

# RF

# TEST REPORT

ISSUED BY  
Shenzhen BALUN Technology Co., Ltd.



FOR  
**Notebook Computer**

ISSUED TO  
Lenovo (Shanghai) Electronics Technology Co., Ltd.

Section 304-305, Building No. 4, # 222, Meiyue Road, China (Shanghai)  
Pilot Free Trade Zone, 200131, CHINA



Tested by: Yu Ying Yuan  
Yu Yingyuan  
Date Feb. 17, 2022

Approved by: Liao Jianming  
Liao Jianming  
(Technical Director)  
Date Feb. 17, 2022

Report No.: BL-SZ21C0792-604  
EUT Name: Notebook Computer  
Model Name: IP Duet 3 Chrome 11Q727  
(refer section 2.3)  
Brand Name: Lenovo  
Test Standard: 47 CFR Part 15 Subpart E  
RSS-Gen Issue 5  
RSS-247 Issue 2  
(refer section 3.1)  
FCC ID: O57DUET3CB7C  
ISED Number: 10407A-DUET3CB7C  
Test Conclusion: Pass  
Test Date: Jan. 01, 2022 ~ Jan. 12, 2022  
Date of Issue: Feb. 17, 2022

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### Revision History

<u>Version</u>	<u>Issue Date</u>	<u>Revisions Content</u>
<u>Rev. 01</u>	<u>Feb. 17, 2022</u>	<u>Initial Issue</u>

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# 1 ADMINISTRATIVE DATA (GENERAL INFORMATION)

## 1.1 Identification of the Testing Laboratory

Company Name	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1st FL, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. 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, 1st FL, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	The laboratory has been listed by Industry Canada to perform electromagnetic emission measurements. The recognition numbers of test site are 11524A-1. 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, FL 1, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China 518055

## 1.3 Laboratory Condition

Ambient Temperature	20°C to 25°C
Ambient Relative Humidity	45% to 55%
Ambient Pressure	100 kPa to 102 kPa

## 1.4 Announce

- (1) The test report reference to the report template version v4.6.
- (2) The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.
- (3) The test report is invalid if there is any evidence and/or falsification.
- (4) The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.
- (5) This document may not be altered or revised in any way unless done so by BALUN and all revisions are duly noted in the revisions section.
- (6) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
- (7) The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.

## 2 PRODUCT INFORMATION

### 2.1 Applicant Information

Applicant	Lenovo (Shanghai) Electronics Technology Co., Ltd.
Address	Section 304-305, Building No. 4, # 222, Meiyue Road, China (Shanghai) Pilot Free Trade Zone, 200131, CHINA

### 2.2 Manufacturer Information

Manufacturer	Lenovo PC HK Limited
Address	23/F, Lincoln House, Taikoo Place 979 King's Road, Quarry Bay, Hong Kong, P.R. China

### 2.3 General Description for Equipment under Test (EUT)

EUT Name	Notebook Computer
Model Name Under Test	IP Duet 3 Chrome 11Q727
Series Model Name	IP Duet 3 Chrome 11***** (* can be 0-9, a-z, A-Z, any symbol, blank or nothing)
Description of Model name differentiation	Only differences are model names for trading purpose.
Serial Number	YX03EWG5
Hardware Version	V5
Software Version	R97-14324.31.0 (dev channel)
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

#### Antenna Information:

Antenna Port	Model Name	Antenna Manufacturer	Antenna Type	Antenna Gain (dBi)			
				2.4 GHz	5.15-5.35 GHz	5.47-5.725 GHz	5.725-5.85 GHz
Main Antenna	2.00005205	ZhongTianXun	PIFA	1.92	<b>2.77</b>	<b>2.71</b>	<b>2.39</b>
Auxiliary Antenna	2.00005206		PIFA	1.85	<b>2.71</b>	<b>2.89</b>	<b>2.54</b>
Main Antenna	N12-8055-R0A	South Star	PIFA	1.55	2.05	2.23	0.52
Auxiliary Antenna	N12-8056-R0A		PIFA	1.18	2.05	1.93	1.46

Note: The report only shown the antenna which matches the antenna with the highest antenna gain.

## 2.4 Technical Information

Network and Wireless connectivity	Bluetooth (BR+EDR+BLE) 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20/40) 5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80) 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	<input type="checkbox"/> Mobile <input checked="" type="checkbox"/> Portable <input type="checkbox"/> Fix Location	
Modulation technology	OFDM	
Modulation Type	256QAM, 64QAM, 16QAM, BPSK, QPSK	
Product Type	Indoor for IC standard 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: 13.86 dBm U-NII-2A: 13.78 dBm U-NII-2C: 13.72 dBm U-NII-3: 13.84 dBm	
Antenna System (eg., MIMO, Smart Antenna)	Cyclic Delay Diversity (CDD)	
Categorization as Correlated or Completely Uncorrelated	Correlated	
Antenna Type	Main Antenna Aux. Antenna	PIFA Antenna
Antenna Gain	Main Antenna	U-NII-1: 5150 MHz to 5250 MHz: 2.77 dBi U-NII-2A: 5250 MHz to 5350 MHz: 2.77 dBi U-NII-2C: 5470 MHz to 5725 MHz: 2.71 dBi U-NII-3: 5725 MHz to 5850 MHz: 2.39 dBi (In test items related to antenna gain, the final results reflect this figure. This value is provided by the applicant.)
Antenna Gain	Aux. Antenna	U-NII-1: 5150 MHz to 5250 MHz: 2.71 dBi U-NII-2A: 5250 MHz to 5350 MHz: 2.71 dBi U-NII-2C: 5470 MHz to 5725 MHz: 2.89 dBi U-NII-3: 5725 MHz to 5850 MHz: 2.54 dBi (In test items related to antenna gain, the final results reflect this figure. This value is provided by the applicant.)

Total directional gain	For power spectral density(PSD) measurements	<p>U-NII-1: 5150 MHz to 5250 MHz: 5.77 dBi            U-NII-2A: 5250 MHz to 5350 MHz: 5.77 dBi            U-NII-2C: 5470 MHz to 5725 MHz: 5.89 dBi            U-NII-3: 5725 MHz to 5850 MHz: 5.54 dBi            Formulas: Directional gain = GANT + Array Gain, <i>Array Gain</i> = <math>10 \log(NANT/NSS)</math> dB. <i>NSS</i> =2, GANT set equal to the gain of the antenna having the highest gain.</p>
	For power measurements	<p>U-NII-1: 5150 MHz to 5250 MHz: 2.77 dBi            U-NII-2A: 5250 MHz to 5350 MHz: 2.77 dBi            U-NII-2C: 5470 MHz to 5725 MHz: 2.89 dBi            U-NII-3: 5725 MHz to 5850 MHz: 2.54 dBi            Formulas: Directional gain = GANT + Array Gain, <i>Array Gain</i> = 0.</p>
About the Product		The equipment is Tablet PC, intended for used with information technology equipment.

## 2.5 Additional Instructions

EUT Software Settings:

Mode	<input checked="" type="checkbox"/> 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	QRCT4		
Support Units (Software installation media)	Description	Manufacturer	Model
	Notebook	HP	N/A

U-NII-1 (5150 - 5250 MHz) Power level setup in software				
Mode	Channel	Frequency (MHz)	Soft Set	
			Main Antenna	Aux. Antenna
11a	CH36	5180	10.5	10.0
11a	CH44	5220	11.5	10.0
11a	CH48	5240	11.0	10.0
11n (HT20)	CH36	5180	11.0	10.0
11n (HT20)	CH44	5220	11.5	10.0
11n (HT20)	CH48	5240	11.5	10.0
11n (HT40)	CH38	5190	10.5	9.5
11n (HT40)	CH46	5230	11.0	9.5
11ac (VHT20)	CH36	5180	11.0	10.0
11ac (VHT20)	CH44	5220	11.5	10.0
11ac (VHT20)	CH48	5240	11.5	10.0
11ac (VHT40)	CH38	5190	10.5	9.5
11ac (VHT40)	CH46	5230	11.0	9.5
11ac (VHT80)	CH42	5210	11.0	10.0



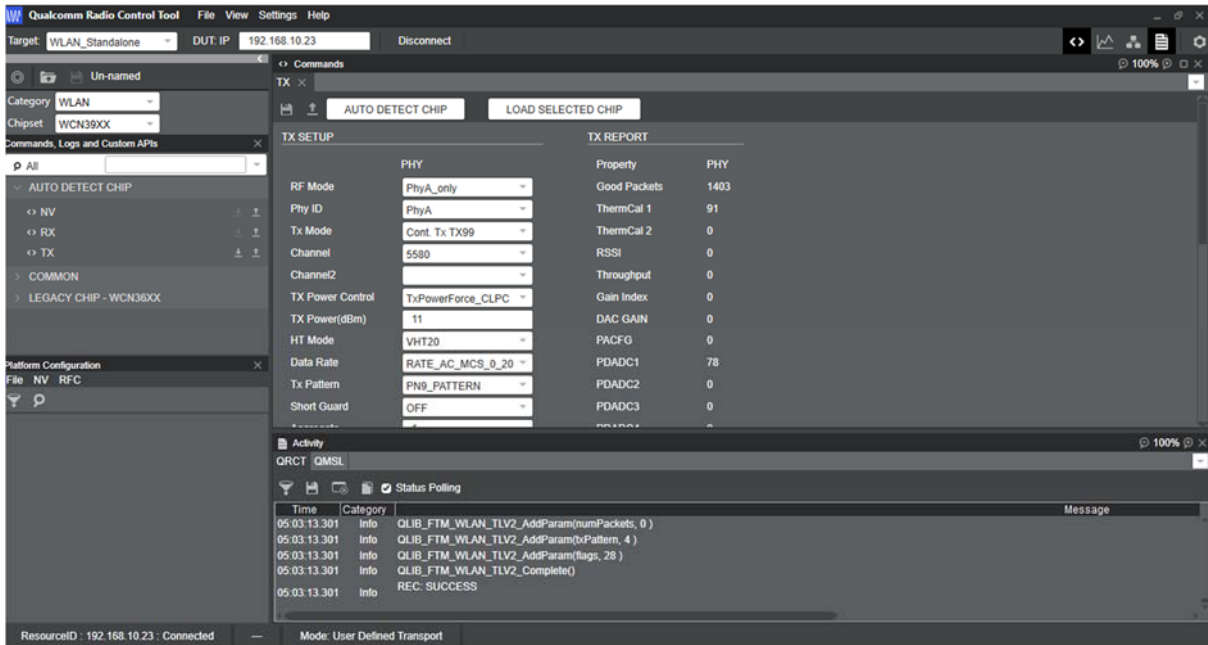
U-NII-2A (5250 - 5350 MHz) Power level setup in software				
Mode	Channel	Frequency (MHz)	Soft Set	
			Main Antenna	Aux. Antenna
11a	CH52	5260	11.0	9.5
11a	CH60	5300	11.0	10.0
11a	CH64	5320	11.0	10.0
11n (HT20)	CH52	5260	11.0	10.0
11n (HT20)	CH60	5300	11.5	10.0
11n (HT20)	CH64	5320	11.0	10.0
11n (HT40)	CH54	5270	11.0	9.5
11n (HT40)	CH62	5310	11.0	9.5
11ac (VHT20)	CH52	5260	11.0	9.5
11ac (VHT20)	CH60	5300	11.5	10.0
11ac (VHT20)	CH64	5320	11.5	10.0
11ac (VHT40)	CH54	5270	11.0	9.5
11ac (VHT40)	CH62	5310	11.0	9.5
11ac (VHT80)	CH58	5290	11.0	10.0

U-NII-2C (5470 - 5725 MHz) Power level setup in software				
Mode	Channel	Frequency (MHz)	Soft Set	
			Main Antenna	Aux. Antenna
11a	CH100	5500	9.5	8.5
11a	CH116	5580	9.5	9.5
11a	CH140	5700	9.5	11.0
11n (HT20)	CH100	5500	9.5	8.5
11n (HT20)	CH116	5580	10.0	9.5
11n (HT20)	CH140	5700	9.5	11.0
11n (HT40)	CH102	5510	9.5	9.0
11n (HT40)	CH118	5590	9.5	9.5
11n (HT40)	CH134	5670	9.0	10.0
11ac (VHT20)	CH100	5500	8.0	9.5
11ac (VHT20)	CH116	5580	9.5	9.0
11ac (VHT20)	CH140	5700	10.0	11.0
11ac (VHT40)	CH102	5510	9.0	9.0
11ac (VHT40)	CH118	5590	9.5	9.5
11ac (VHT40)	CH134	5670	9.0	10.0
11ac (VHT80)	CH106	5530	9.0	9.5
11ac (VHT80)	CH122	5610	9.5	10.0

U-NII-3 (5725 - 5850 MHz) Power level setup in software				
Mode	Channel	Frequency (MHz)	Soft Set	
			Main Antenna	Aux. Antenna
11a	CH149	5745	10.0	11.5
11a	CH157	5785	10.0	12.0
11a	CH165	5825	11.0	12.0
11n (HT20)	CH149	5745	10.0	12.0
11n (HT20)	CH157	5785	10.5	12.5
11n (HT20)	CH165	5825	11.0	12.5
11n (HT40)	CH151	5755	9.5	11.5
11n (HT40)	CH159	5795	9.5	12.0
11ac (VHT20)	CH149	5745	10.0	12.0
11ac (VHT20)	CH157	5785	10.5	12.5
11ac (VHT20)	CH165	5825	11.0	12.5
11ac (VHT40)	CH151	5755	9.5	11.5
11ac (VHT40)	CH159	5795	10.5	12.0
11ac (VHT80)	CH155	5775	10.5	12.0

U-NII-2C (5470 - 5725 MHz) & U-NII-3 (5725 - 5850 MHz) Power level setup in software				
Mode	Channel	Frequency (MHz)	Soft Set	
			Main Antenna	Aux. Antenna
11a	CH144	5720	10.0	11.5
11n (HT20)	CH144	5720	10.0	11.5
11n (HT40)	CH142	5710	9.5	11.0
11ac (VHT20)	CH144	5720	10.0	11.5
11ac (VHT40)	CH142	5710	9.5	11.0
11ac (VHT80)	CH138	5690	9.5	11.0

Run Software:



## 2.6 Channel List

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

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

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

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

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

U-NII-2C (5470 - 5725 MHz)			U-NII-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
100	Low	5500	144	--	5720
116	Mid	5580	149	Low	5745
140	High	5700	157	Mid	5785
144	--	5720	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	142	--	5710
118	Mid	5590	151	Low	5755
134	High	5670	159	High	5795
142	--	5710			

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	138	--	5690
122	High	5610	155	Mid	5775
138	--	5690			

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	144/140/116/100	165/157/149/144
	11n(20 MHz)	6.5		48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11n(40 MHz)	13.5		46/38	62/54	142/134/118/102	159/151/142
	11ac(20 MHz)	6.5		48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11ac(40 MHz)	13.5		46/38	62/54	142/134/118/102	159/151/142
	11ac(80 MHz)	29.3		42	58	138/122/106	155/138
Emission Bandwidth & 99% Occupied Bandwidth	11a	6	BPSK	48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11n(20 MHz)	6.5		48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11n(40 MHz)	13.5		46/38	62/54	142/134/118/102	159/151/142
	11ac(20 MHz)	6.5		48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11ac(40 MHz)	13.5		46/38	62/54	142/134/118/102	159/151/142
	11ac(80 MHz)	29.3		42	58	138/122/106	155/138
6 dB bandwidth	11a	6	BPSK	N/A	N/A	N/A	165/157/149/144
	11n(20 MHz)	6.5		N/A	N/A	N/A	165/157/149/144
	11n(40 MHz)	13.5		N/A	N/A	N/A	159/151/142
	11ac(20 MHz)	6.5		N/A	N/A	N/A	165/157/149/144
	11ac(40 MHz)	13.5		N/A	N/A	N/A	159/151/142
	11ac(80 MHz)	29.3		N/A	N/A	N/A	155/138
Power Spectral Density	11a	6	BPSK	48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11n(20 MHz)	6.5		48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11n(40 MHz)	13.5		46/38	62/54	142/134/118/102	159/151/142
	11ac(20 MHz)	6.5		48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11ac(40 MHz)	13.5		46/38	62/54	142/134/118/102	159/151/142
	11ac(80 MHz)	29.3		42	58	138/122/106	155/138
Radiated Spurious Emissions	11a	6	BPSK	48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11n(20 MHz)	6.5		48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11n(40 MHz)	13.5		46/38	62/54	142/134/118/102	159/151/142
	11ac(20 MHz)	6.5		48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11ac(40 MHz)	13.5		46/38	62/54	142/134/118/102	159/151/142
	11ac(80 MHz)	29.3		42	58	138/122/106	155/138
Band Edge (Restricted-band)	11a	6	BPSK	48/36	64/52	144/140/100	165/149/144
	11n(20 MHz)	6.5		48/36	64/52	144/140/100	165/149/144
	11n(40 MHz)	13.5		46/38	62/54	142/134/102	159/151/142
	11ac(20 MHz)	6.5		48/36	64/52	144/140/100	165/149/144
	11ac(40 MHz)	13.5		46/38	62/54	142/134/102	159/151/142
	11ac(80 MHz)	29.3		42	58	138/122/106	155/138

### 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	KDB Publication 662911 D01v02r01	Emissions Testing of Transmitters with Multiple Outputs in the Same Band (e.g., MIMO, Smart Antenna, etc)
4	RSS-Gen Issue 5	General Requirements for Compliance of Radio Apparatus
5	RSS-247 Issue 2	Digital Transmission Systems (DTSS), Frequency Hopping Systems(FHSS) and Licence-Exemp Local Area Network (LE-LAN) Devices
6	ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices

#### 3.2 Verdict

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

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

Note <sup>2</sup>: 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 <sup>3</sup>: 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)	+5°C
	HT (High Temperature)	+35°C
Working Voltage of the EUT	NV (Normal Voltage)	7.70 V
	LV (Low Voltage)	6.93 V
	HV (High Voltage)	8.47 V

### 4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-40	101544	2021.04.01	2022.03.31
Bluetooth Signaling Unit	ROHDE&SCHWARZ	CMW500	142028	2021.06.01	2022.05.31
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-30	103118	2021.06.01	2022.05.31
Vector Signal Generator	ROHDE&SCHWARZ	SMBV100A	260592	2021.01.27	2022.01.26
Signal Generator	ROHDE&SCHWARZ	SMB100A	177746	2021.06.01	2022.05.31
Switch Unit with OSP-B157	ROHDE&SCHWARZ	OSP120	101270	2021.06.01	2022.05.31
Power Sensor	KEYSIGHT	U2063XA	MY58000247	2021.05.08	2022.05.07
EMI Receiver	KEYSIGHT	N9038A	MY53220118	2021.06.01	2022.05.31
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2021.06.01	2022.05.31
LISN	SCHWARZBECK	NSLK 8127	8127-687	2021.06.01	2022.05.31
Test Antenna-Loop(9 kHz-30 MHz)	SCHWARZBECK	FMZB 1519	1519-037	2021.04.16	2024.04.15
Test Antenna-Bi-Log(30 MHz-3 GHz)	SCHWARZBECK	VULB 9163	9163-624	2021.08.20	2024.08.19
Test Antenna-Horn(1-18 GHz)	SCHWARZBECK	BBHA 9120D	9120D-1917	2019.07.02	2022.07.01
Test Antenna-Horn (18-40 GHz)	A-INFO	LB-180400KF	J211060273	2021.07.02	2023.07.01
Anechoic Chamber	RAINFORD	9m*6m*6m	N/A	2017.02.21	2022.02.20
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60*7.35m	N/A	2019.08.08	2022.08.07
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

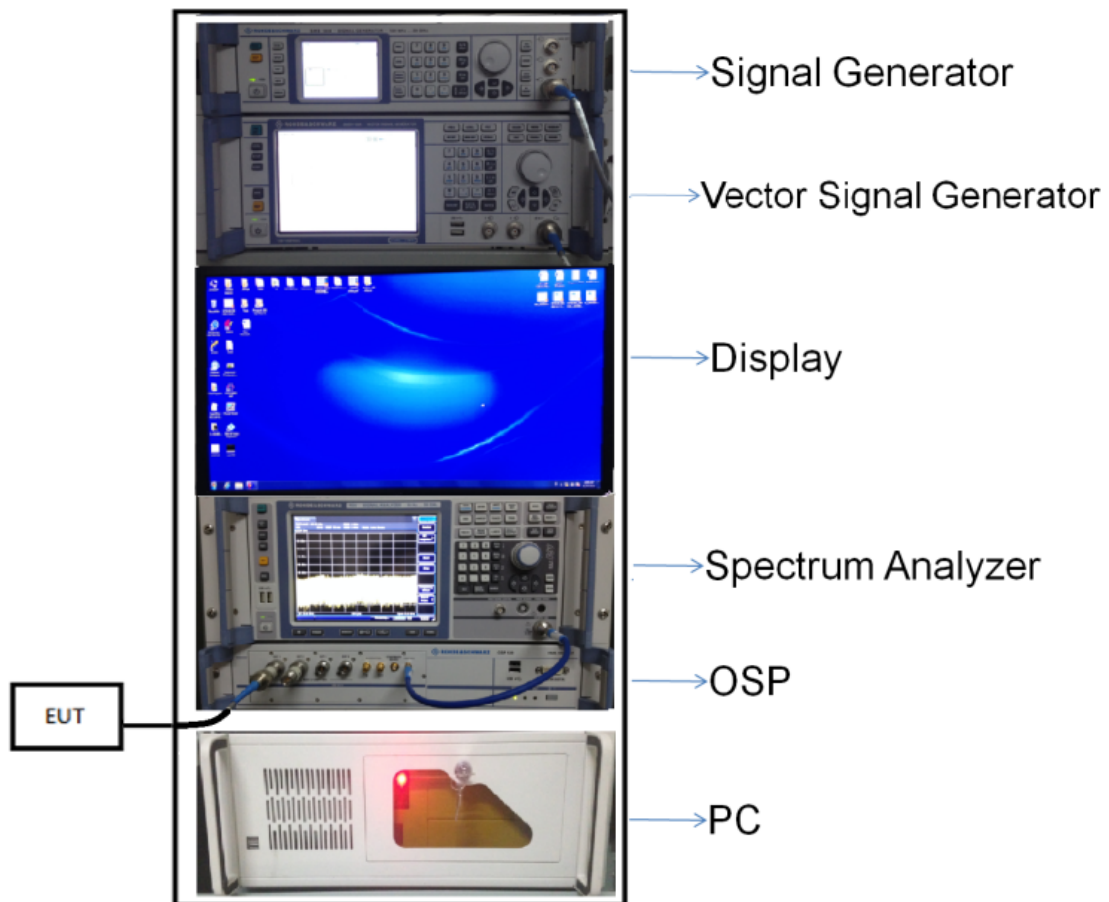
The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2.

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

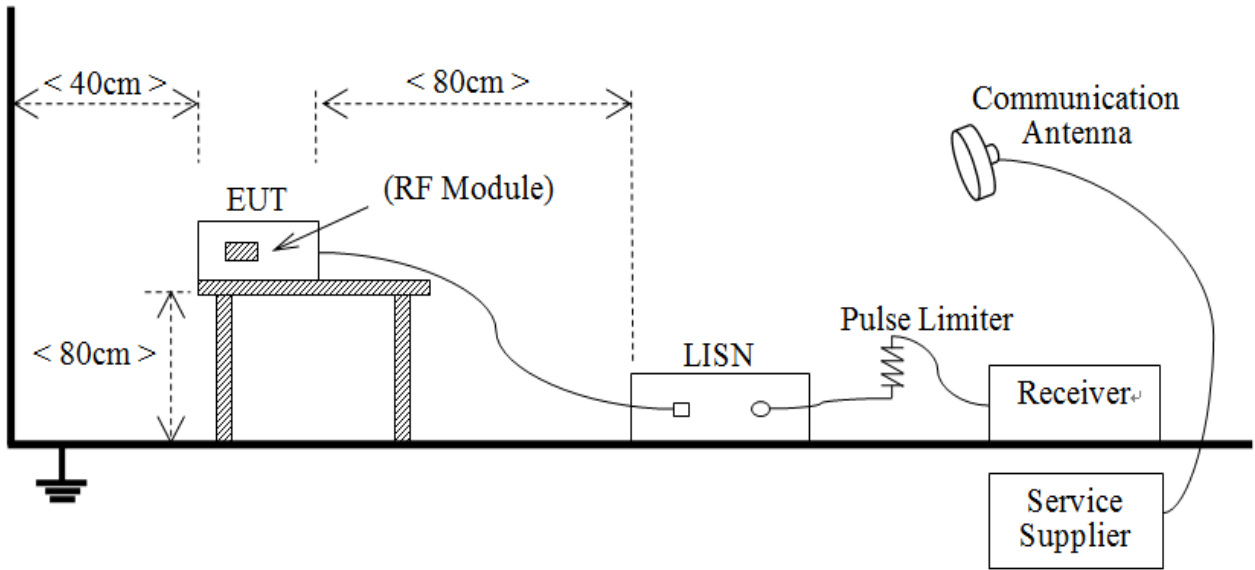
### 4.5.1 For Antenna Port Test



(Diagram 1)

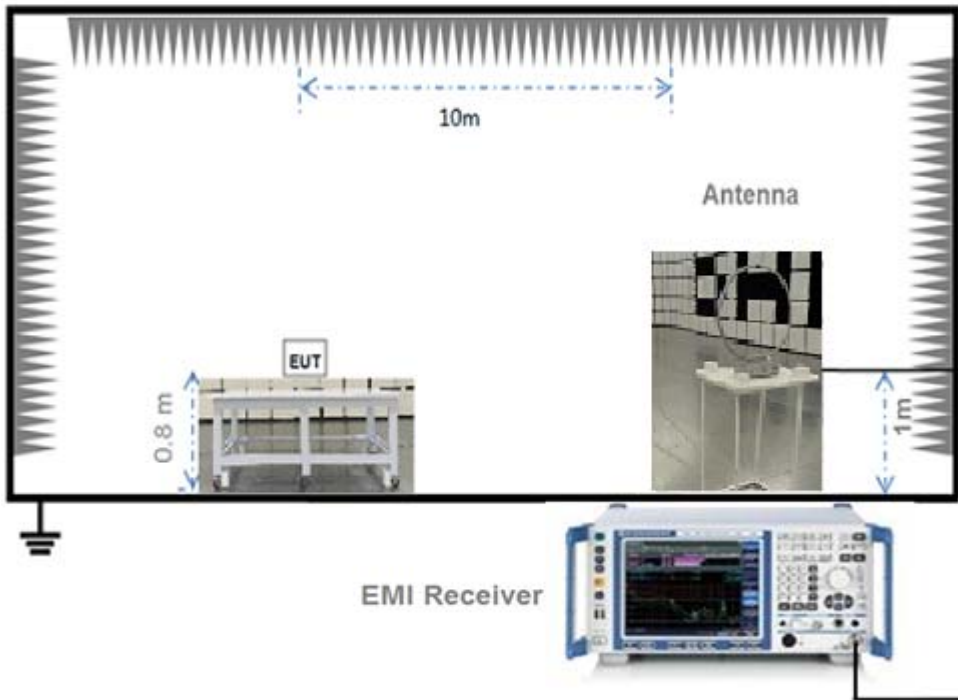


### 4.5.2 For AC Power Supply Port Test



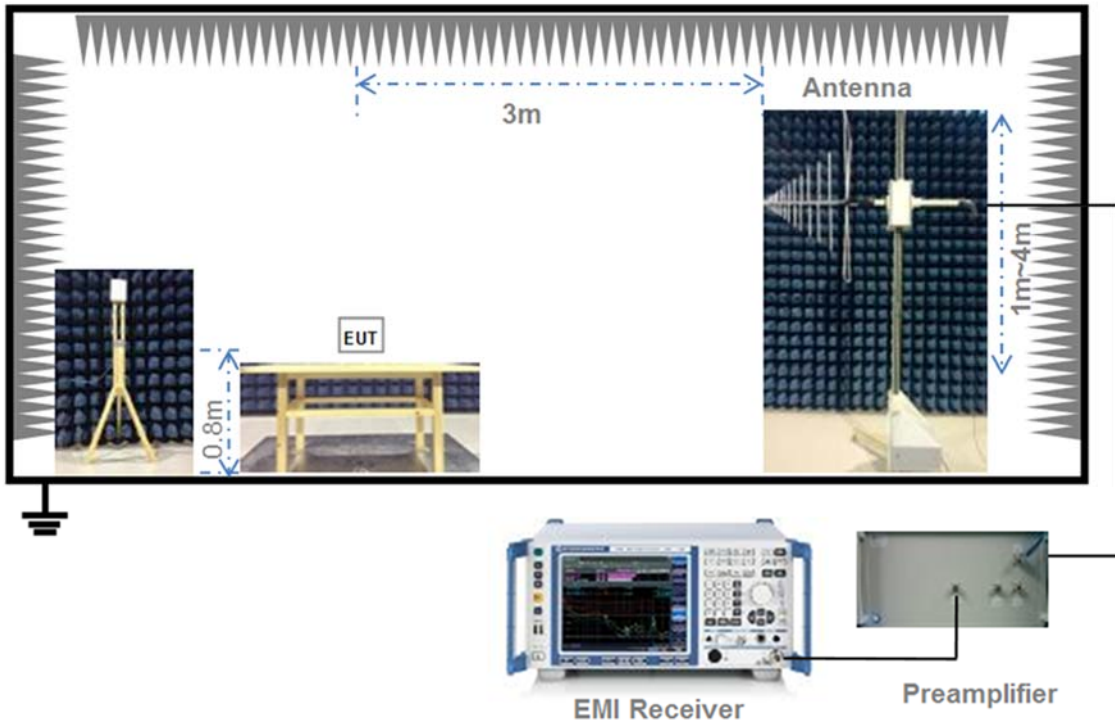
(Diagram 2)

### 4.5.3 For Radiated Test (Below 30 MHz)



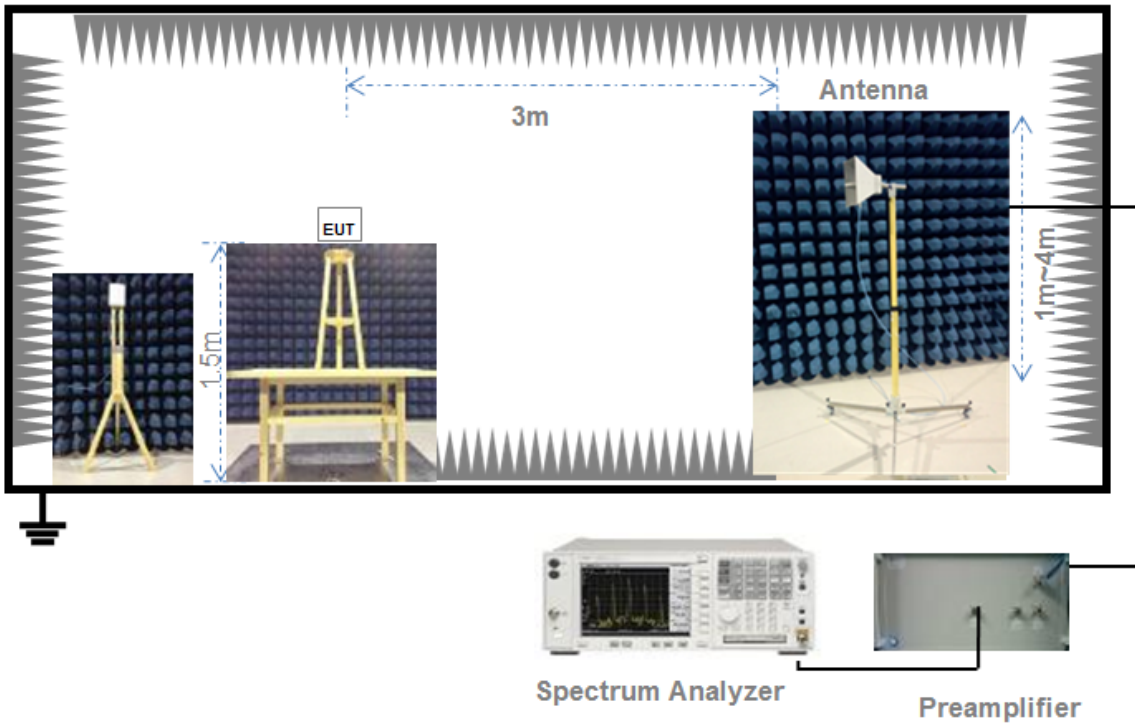
(Diagram 3)

4.5.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.5.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

## 5 TEST ITEMS

### 5.1 RF Output Power

#### 5.1.1 Test Limit

FCC §15.407(a)

The maximum conducted output power should not exceed:

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

RSS-247, 6.2

The maximum conducted output power shall not exceed:

Frequency Band (MHz)	Limit
5150-5250	N/A
5250-5350	250 mW or 11 dBm + 10log B, whichever is less.
5470-5725	250 mW or 11 dBm + 10log B, whichever is less.
5725-5850	1 W
Note: Where "B" is the 99% emissions bandwidth in MHz.	

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

Frequency Band (MHz)	Limit
5150-5250	200 mW or 10 dBm + 10log B, whichever is less.
5250-5350	1W or 17 dBm + 10log B, whichever is less.
5470-5725	1W or 17 dBm + 10log B, whichever is less.
5725-5850	N/A
Note: Where "B" is the 99% 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), RSS-247, 6.2

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

### 5.2.2 Test Setup

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

### 5.2.3 Test Procedure

#### Emission bandwidth

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

#### Occupied Bandwidth

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

#### 6 dB bandwidth

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

### 5.2.4 Test Result

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

### 5.3 Power Spectral density (PSD)

#### 5.3.1 Limit

FCC §15.407(a)

The maximum power spectral density should not exceed:

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

RSS-247, 6.2

The maximum power spectral density should not exceed:

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

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

Frequency Band (MHz)	Limit
5150-5250	10 dBm/MHz
5250-5350	N/A
5470-5725	N/A
5725-5850	N/A

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

#### 5.3.4 Test Result

Please refer to ANNEX A.4.

## 5.4 Conducted Emission

### 5.4.1 Limit

FCC §15.207, RSS-GEN, 8.8

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

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

### 5.4.2 Test Setup

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

### 5.4.3 Test Procedure

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

### 5.4.4 Test Result

Please refer to ANNEX A.5.

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

### 5.5.1 Limit

FCC §15.209 & 15.407(b), RSS-247, 6.2

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

Note<sup>1</sup>: The Limit for radiated test was performed according to FCC Part 15C

Note<sup>2</sup>: 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	<p>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.</p>

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  $\leq 30$  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 $\mu$ 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  $\geq 98$  percent) cannot be achieved and the duty cycle is constant (i.e., duty cycle variations are less than  $\pm 2$  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 span/(# of points in sweep)  $\leq$  (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 ( $\geq 98$  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  $0^\circ$  to  $360^\circ$ , 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<sup>1</sup>: For FCC standard, if transmitting antennas of directional gain greater than 6 dBi are used, all band maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

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

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

#### Test Data

#### Conducted Power

#### Main Antenna

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	10.53	11.30	250	Pass
11a	CH44	10.82	12.08	250	Pass
11a	CH48	10.57	11.40	250	Pass
11n (HT20)	CH36	10.83	12.11	250	Pass
11n (HT20)	CH44	10.74	11.86	250	Pass
11n (HT20)	CH48	10.93	12.39	250	Pass
11n (HT40)	CH38	10.51	11.25	250	Pass
11n (HT40)	CH46	10.69	11.72	250	Pass
11ac (VHT20)	CH36	10.82	12.08	250	Pass
11ac (VHT20)	CH44	10.76	11.91	250	Pass
11ac (HVT20)	CH48	10.93	12.39	250	Pass
11ac (VHT40)	CH38	10.58	11.43	250	Pass
11ac (VHT40)	CH46	10.76	11.91	250	Pass
11ac (VHT80)	CH42	10.56	11.38	250	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH52	10.76	11.91	250	Pass
11a	CH60	10.54	11.32	250	Pass
11a	CH64	10.62	11.53	250	Pass
11n (HT20)	CH52	10.59	11.46	250	Pass
11n (HT20)	CH60	10.75	11.89	250	Pass
11n (HT20)	CH64	10.45	11.09	250	Pass
11n (HT40)	CH54	10.86	12.19	250	Pass
11n (HT40)	CH62	10.76	11.91	250	Pass
11ac (VHT20)	CH52	10.51	11.25	250	Pass
11ac (VHT20)	CH60	10.79	11.99	250	Pass
11ac (HVT20)	CH64	10.85	12.16	250	Pass
11ac (VHT40)	CH54	10.86	12.19	250	Pass
11ac (VHT40)	CH62	10.71	11.78	250	Pass
11ac (VHT80)	CH58	10.54	11.32	250	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH100	10.65	11.61	250	Pass
11a	CH116	10.23	10.54	250	Pass
11a	CH140	10.35	10.84	250	Pass
11n (HT20)	CH100	10.61	11.51	250	Pass
11n (HT20)	CH116	10.93	12.39	250	Pass
11n (HT20)	CH140	10.32	10.76	250	Pass
11n (HT40)	CH102	10.41	10.99	250	Pass
11n (HT40)	CH118	10.38	10.91	250	Pass
11n (HT40)	CH134	10.58	11.43	250	Pass
11ac (VHT20)	CH100	10.43	11.04	250	Pass
11ac (VHT20)	CH116	10.51	11.25	250	Pass
11ac (VHT20)	CH140	10.93	12.39	250	Pass
11ac (VHT40)	CH102	10.57	11.40	250	Pass
11ac (VHT40)	CH118	10.38	10.91	250	Pass
11ac (VHT40)	CH134	10.58	11.43	250	Pass
11ac (VHT80)	CH106	10.65	11.61	250	Pass
11ac (VHT80)	CH122	10.05	10.12	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	10.89	12.27	1000	Pass
11a	CH157	10.48	11.17	1000	Pass
11a	CH165	10.85	12.16	1000	Pass
11n (HT20)	CH149	10.67	11.67	1000	Pass
11n (HT20)	CH157	10.67	11.67	1000	Pass
11n (HT20)	CH165	10.58	11.43	1000	Pass
11n (HT40)	CH151	10.12	10.28	1000	Pass
11n (HT40)	CH159	10.28	10.67	1000	Pass
11ac (VHT20)	CH149	10.72	11.80	1000	Pass
11ac (VHT20)	CH157	10.65	11.61	1000	Pass
11ac (VHT20)	CH165	10.56	11.38	1000	Pass
11ac (VHT40)	CH151	10.29	10.69	1000	Pass
11ac (VHT40)	CH159	10.84	12.13	1000	Pass
11ac (VHT80)	CH155	10.83	12.11	1000	Pass

U-NII-2C straddle channel					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH144	10.63	11.56	209	Pass
11n (HT20)	CH144	10.51	11.25	213	Pass
11n (HT40)	CH142	10.27	10.64	250	Pass
11ac (VHT20)	CH144	10.65	11.61	215	Pass
11ac (VHT40)	CH142	10.29	10.69	250	Pass
11ac (VHT80)	CH138	10.24	10.57	250	Pass

U-NII-3 straddle channel					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH144	10.63	11.56	1000	Pass
11n (HT20)	CH144	10.51	11.25	1000	Pass
11n (HT40)	CH142	10.27	10.64	1000	Pass
11ac (VHT20)	CH144	10.65	11.61	1000	Pass
11ac (VHT40)	CH142	10.29	10.69	1000	Pass
11ac (VHT80)	CH138	10.24	10.57	1000	Pass

Aux. Antenna

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	10.82	12.08	250	Pass
11a	CH44	10.61	11.51	250	Pass
11a	CH48	10.92	12.36	250	Pass
11n (HT20)	CH36	10.66	11.64	250	Pass
11n (HT20)	CH44	10.43	11.04	250	Pass
11n (HT20)	CH48	10.71	11.78	250	Pass
11n (HT40)	CH38	10.29	10.69	250	Pass
11n (HT40)	CH46	10.19	10.45	250	Pass
11ac (VHT20)	CH36	10.72	11.80	250	Pass
11ac (VHT20)	CH44	10.56	11.38	250	Pass
11ac (HVT20)	CH48	10.76	11.91	250	Pass
11ac (VHT40)	CH38	10.21	10.50	250	Pass
11ac (VHT40)	CH46	10.07	10.16	250	Pass
11ac (VHT80)	CH42	10.81	12.05	250	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH52	10.05	10.12	250	Pass
11a	CH60	10.73	11.83	250	Pass
11a	CH64	10.83	12.11	250	Pass
11n (HT20)	CH52	10.94	12.42	250	Pass
11n (HT20)	CH60	10.51	11.25	250	Pass
11n (HT20)	CH64	10.68	11.69	250	Pass
11n (HT40)	CH54	10.36	10.86	250	Pass
11n (HT40)	CH62	10.13	10.30	250	Pass
11ac (VHT20)	CH52	10.76	11.91	250	Pass
11ac (VHT20)	CH60	10.61	11.51	250	Pass
11ac (HVT20)	CH64	10.63	11.56	250	Pass
11ac (VHT40)	CH54	10.29	10.69	250	Pass
11ac (VHT40)	CH62	10.19	10.45	250	Pass
11ac (VHT80)	CH58	10.87	12.22	250	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH100	10.44	11.07	250	Pass
11a	CH116	10.24	10.57	250	Pass
11a	CH140	10.66	11.64	250	Pass
11n (HT20)	CH100	10.45	11.09	250	Pass
11n (HT20)	CH116	10.15	10.35	250	Pass
11n (HT20)	CH140	10.48	11.17	250	Pass
11n (HT40)	CH102	10.86	12.19	250	Pass
11n (HT40)	CH118	10.48	11.17	250	Pass
11n (HT40)	CH134	10.65	11.61	250	Pass
11ac (VHT20)	CH100	10.74	11.86	250	Pass
11ac (VHT20)	CH116	10.42	11.02	250	Pass
11ac (VHT20)	CH140	10.48	11.17	250	Pass
11ac (VHT40)	CH102	10.72	11.80	250	Pass
11ac (VHT40)	CH118	10.57	11.40	250	Pass
11ac (VHT40)	CH134	10.61	11.51	250	Pass
11ac (VHT80)	CH106	10.77	11.94	250	Pass
11ac (VHT80)	CH122	10.79	11.99	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	10.63	11.56	1000	Pass
11a	CH157	10.45	11.09	1000	Pass
11a	CH165	10.54	11.32	1000	Pass
11n (HT20)	CH149	10.78	11.97	1000	Pass
11n (HT20)	CH157	10.89	12.27	1000	Pass
11n (HT20)	CH165	10.79	11.99	1000	Pass
11n (HT40)	CH151	10.94	12.42	1000	Pass
11n (HT40)	CH159	10.59	11.46	1000	Pass
11ac (VHT20)	CH149	10.85	12.16	1000	Pass
11ac (VHT20)	CH157	10.96	12.47	1000	Pass
11ac (VHT20)	CH165	10.85	12.16	1000	Pass
11ac (VHT40)	CH151	10.91	12.33	1000	Pass
11ac (VHT40)	CH159	10.43	11.04	1000	Pass
11ac (VHT80)	CH155	10.83	12.11	1000	Pass



U-NII-2C straddle channel					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH144	10.74	11.86	195	Pass
11n (HT20)	CH144	10.52	11.27	196	Pass
11n (HT40)	CH142	10.65	11.61	250	Pass
11ac (VHT20)	CH144	10.58	11.43	195	Pass
11ac (VHT40)	CH142	10.79	11.99	250	Pass
11ac (VHT80)	CH138	10.94	12.42	250	Pass

U-NII-3 straddle channel					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH144	10.74	11.86	1000	Pass
11n (HT20)	CH144	10.52	11.27	1000	Pass
11n (HT40)	CH142	10.65	11.61	1000	Pass
11ac (VHT20)	CH144	10.58	11.43	1000	Pass
11ac (VHT40)	CH142	10.79	11.99	1000	Pass
11ac (VHT80)	CH138	10.94	12.42	1000	Pass

## MIMO

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	13.69	23.38	250	Pass
11a	CH44	13.73	23.59	250	Pass
11a	CH48	13.76	23.76	250	Pass
11n (HT20)	CH36	13.76	23.75	250	Pass
11n (HT20)	CH44	13.60	22.90	250	Pass
11n (HT20)	CH48	13.83	24.16	250	Pass
11n (HT40)	CH38	13.41	21.94	250	Pass
11n (HT40)	CH46	13.46	22.17	250	Pass
11ac (VHT20)	CH36	13.78	23.88	250	Pass
11ac (VHT20)	CH44	13.67	23.29	250	Pass
11ac (HVT20)	CH48	13.86	24.30	250	Pass
11ac (VHT40)	CH38	13.41	21.92	250	Pass
11ac (VHT40)	CH46	13.44	22.07	250	Pass
11ac (VHT80)	CH42	13.70	23.43	250	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH52	13.43	22.03	250	Pass
11a	CH60	13.65	23.15	250	Pass
11a	CH64	13.74	23.64	250	Pass
11n (HT20)	CH52	13.78	23.87	250	Pass
11n (HT20)	CH60	13.64	23.13	250	Pass
11n (HT20)	CH64	13.58	22.79	250	Pass
11n (HT40)	CH54	13.63	23.05	250	Pass
11n (HT40)	CH62	13.47	22.22	250	Pass
11ac (VHT20)	CH52	13.65	23.16	250	Pass
11ac (VHT20)	CH60	13.71	23.50	250	Pass
11ac (HVT20)	CH64	13.75	23.72	250	Pass
11ac (VHT40)	CH54	13.59	22.88	250	Pass
11ac (VHT40)	CH62	13.47	22.22	250	Pass
11ac (VHT80)	CH58	13.72	23.54	250	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH100	13.56	22.68	250	Pass
11a	CH116	13.25	21.11	250	Pass
11a	CH140	13.52	22.48	250	Pass
11n (HT20)	CH100	13.54	22.60	250	Pass
11n (HT20)	CH116	13.57	22.74	250	Pass
11n (HT20)	CH140	13.41	21.93	250	Pass
11n (HT40)	CH102	13.65	23.18	250	Pass
11n (HT40)	CH118	13.44	22.08	250	Pass
11n (HT40)	CH134	13.63	23.04	250	Pass
11ac (VHT20)	CH100	13.60	22.90	250	Pass
11ac (VHT20)	CH116	13.48	22.26	250	Pass
11ac (VHT20)	CH140	13.72	23.56	250	Pass
11ac (VHT40)	CH102	13.66	23.21	250	Pass
11ac (VHT40)	CH118	13.49	22.32	250	Pass
11ac (VHT40)	CH134	13.61	22.94	250	Pass
11ac (VHT80)	CH106	13.72	23.55	250	Pass
11ac (VHT80)	CH122	13.45	22.11	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	13.77	23.84	1000	Pass
11a	CH157	13.48	22.26	1000	Pass
11a	CH165	13.71	23.49	1000	Pass
11n (HT20)	CH149	13.74	23.64	1000	Pass
11n (HT20)	CH157	13.79	23.94	1000	Pass
11n (HT20)	CH165	13.70	23.42	1000	Pass
11n (HT40)	CH151	13.56	22.70	1000	Pass
11n (HT40)	CH159	13.45	22.12	1000	Pass
11ac (VHT20)	CH149	13.80	23.97	1000	Pass
11ac (VHT20)	CH157	13.82	24.09	1000	Pass
11ac (VHT20)	CH165	13.72	23.54	1000	Pass
11ac (VHT40)	CH151	13.62	23.02	1000	Pass
11ac (VHT40)	CH159	13.65	23.17	1000	Pass
11ac (VHT80)	CH155	13.84	24.21	1000	Pass

U-NII-2C straddle channel					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH144	13.70	23.42	195	Pass
11n (HT20)	CH144	13.53	22.52	196	Pass
11n (HT40)	CH142	13.47	22.26	250	Pass
11ac (VHT20)	CH144	13.63	23.04	195	Pass
11ac (VHT40)	CH142	13.56	22.69	250	Pass
11ac (VHT80)	CH138	13.61	22.98	250	Pass

U-NII-3 straddle channel					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH144	13.70	23.42	1000	Pass
11n (HT20)	CH144	13.53	22.52	1000	Pass
11n (HT40)	CH142	13.47	22.26	1000	Pass
11ac (VHT20)	CH144	13.63	23.04	1000	Pass
11ac (VHT40)	CH142	13.56	22.69	1000	Pass
11ac (VHT80)	CH138	13.61	22.98	1000	Pass

EIRP Power  
Main Antenna

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	EIRP Power (dBm)	EIRP Power (mW)	EIRP Limit (mW)	Verdict
11a	CH36	13.30	21.38	166	Pass
11a	CH44	13.59	22.86	166	Pass
11a	CH48	13.34	21.58	166	Pass
11n (HT20)	CH36	13.60	22.91	177	Pass
11n (HT20)	CH44	13.51	22.44	178	Pass
11n (HT20)	CH48	13.70	23.44	178	Pass
11n (HT40)	CH38	13.28	21.28	200	Pass
11n (HT40)	CH46	13.46	22.18	200	Pass
11ac (VHT20)	CH36	13.59	22.86	178	Pass
11ac (VHT20)	CH44	13.53	22.54	178	Pass
11ac (HVT20)	CH48	13.70	23.44	178	Pass
11ac (VHT40)	CH38	13.35	21.63	200	Pass
11ac (VHT40)	CH46	13.53	22.54	200	Pass
11ac (VHT80)	CH42	13.33	21.53	200	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	EIRP Power (dBm)	EIRP Power (mW)	EIRP Limit (mW)	Verdict
11a	CH52	13.53	22.54	832	Pass
11a	CH60	13.31	21.43	833	Pass
11a	CH64	13.39	21.83	833	Pass
11n (HT20)	CH52	13.36	21.68	890	Pass
11n (HT20)	CH60	13.52	22.49	890	Pass
11n (HT20)	CH64	13.22	20.99	890	Pass
11n (HT40)	CH54	13.63	23.07	1000	Pass
11n (HT40)	CH62	13.53	22.54	1000	Pass
11ac (VHT20)	CH52	13.28	21.28	890	Pass
11ac (VHT20)	CH60	13.56	22.70	890	Pass
11ac (HVT20)	CH64	13.62	23.01	891	Pass
11ac (VHT40)	CH54	13.63	23.07	1000	Pass
11ac (VHT40)	CH62	13.48	22.28	1000	Pass
11ac (VHT80)	CH58	13.31	21.43	1000	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	EIRP Power (dBm)	EIRP Power (mW)	EIRP Limit (mW)	Verdict
11a	CH100	13.36	21.68	831	Pass
11a	CH116	12.94	19.68	833	Pass
11a	CH140	13.06	20.23	833	Pass
11n (HT20)	CH100	13.32	21.48	889	Pass
11n (HT20)	CH116	13.64	23.12	890	Pass
11n (HT20)	CH140	13.03	20.09	890	Pass
11n (HT40)	CH102	13.12	20.51	1000	Pass
11n (HT40)	CH118	13.09	20.37	1000	Pass
11n (HT40)	CH134	13.29	21.33	1000	Pass
11ac (VHT20)	CH100	13.14	20.61	890	Pass
11ac (VHT20)	CH116	13.22	20.99	891	Pass
11ac (VHT20)	CH140	13.64	23.12	890	Pass
11ac (VHT40)	CH102	13.28	21.28	1000	Pass
11ac (VHT40)	CH118	13.09	20.37	1000	Pass
11ac (VHT40)	CH134	13.29	21.33	1000	Pass
11ac (VHT80)	CH106	13.36	21.68	1000	Pass
11ac (VHT80)	CH122	12.76	18.88	1000	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	EIRP Power (dBm)	EIRP Power (mW)	Verdict
11a	CH149	13.28	21.28	Pass
11a	CH157	12.87	19.36	Pass
11a	CH165	13.24	21.09	Pass
11n (HT20)	CH149	13.06	20.23	Pass
11n (HT20)	CH157	13.06	20.23	Pass
11n (HT20)	CH165	12.97	19.82	Pass
11n (HT40)	CH151	12.51	17.82	Pass
11n (HT40)	CH159	12.67	18.49	Pass
11ac (VHT20)	CH149	13.11	20.46	Pass
11ac (VHT20)	CH157	13.04	20.14	Pass
11ac (VHT20)	CH165	12.95	19.72	Pass
11ac (VHT40)	CH151	12.68	18.54	Pass
11ac (VHT40)	CH159	13.23	21.04	Pass
11ac (VHT80)	CH155	13.22	20.99	Pass

U-NII-2C straddle channel					
Mode	Channel	EIRP Power (dBm)	EIRP Power (mW)	EIRP Limit (mW)	Verdict
11a	CH144	13.34	21.58	667	Pass
11n (HT20)	CH144	13.22	20.99	697	Pass
11n (HT40)	CH142	12.98	19.86	1000	Pass
11ac (VHT20)	CH144	13.36	21.68	697	Pass
11ac (VHT40)	CH142	13.00	19.95	1000	Pass
11ac (VHT80)	CH138	12.95	19.72	1000	Pass

U-NII-3 straddle channel				
Mode	Channel	EIRP Power (dBm)	EIRP Power (mW)	Verdict
11a	CH144	13.02	20.04	Pass
11n (HT20)	CH144	12.90	19.50	Pass
11n (HT40)	CH142	12.66	18.45	Pass
11ac (VHT20)	CH144	13.04	20.14	Pass
11ac (VHT40)	CH142	12.68	18.54	Pass
11ac (VHT80)	CH138	12.63	18.32	Pass

## Aux. Antenna

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	EIRP Power (dBm)	EIRP Power (mW)	EIRP Limit (mW)	Verdict
11a	CH36	13.53	22.54	166	Pass
11a	CH44	13.32	21.48	166	Pass
11a	CH48	13.63	23.07	166	Pass
11n (HT20)	CH36	13.37	21.73	177	Pass
11n (HT20)	CH44	13.14	20.61	177	Pass
11n (HT20)	CH48	13.42	21.98	177	Pass
11n (HT40)	CH38	13.00	19.95	200	Pass
11n (HT40)	CH46	12.90	19.50	200	Pass
11ac (VHT20)	CH36	13.43	22.03	177	Pass
11ac (VHT20)	CH44	13.27	21.23	177	Pass
11ac (HVT20)	CH48	13.47	22.23	177	Pass
11ac (VHT40)	CH38	12.92	19.59	200	Pass
11ac (VHT40)	CH46	12.78	18.97	200	Pass
11ac (VHT80)	CH42	13.52	22.49	200	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	EIRP Power (dBm)	EIRP Power (mW)	EIRP Limit (mW)	Verdict
11a	CH52	12.76	18.88	831	Pass
11a	CH60	13.44	22.08	831	Pass
11a	CH64	13.54	22.59	830	Pass
11n (HT20)	CH52	13.65	23.17	886	Pass
11n (HT20)	CH60	13.22	20.99	886	Pass
11n (HT20)	CH64	13.39	21.83	886	Pass
11n (HT40)	CH54	13.07	20.28	1000	Pass
11n (HT40)	CH62	12.84	19.23	1000	Pass
11ac (VHT20)	CH52	13.47	22.23	886	Pass
11ac (VHT20)	CH60	13.32	21.48	885	Pass
11ac (HVT20)	CH64	13.34	21.58	886	Pass
11ac (VHT40)	CH54	13.00	19.95	1000	Pass
11ac (VHT40)	CH62	12.90	19.50	1000	Pass
11ac (VHT80)	CH58	13.58	22.80	1000	Pass



U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	EIRP Power (dBm)	EIRP Power (mW)	EIRP Limit (mW)	Verdict
11a	CH100	13.33	21.53	830	Pass
11a	CH116	13.13	20.56	830	Pass
11a	CH140	13.55	22.65	831	Pass
11n (HT20)	CH100	13.34	21.58	886	Pass
11n (HT20)	CH116	13.04	20.14	886	Pass
11n (HT20)	CH140	13.37	21.73	886	Pass
11n (HT40)	CH102	13.75	23.71	1000	Pass
11n (HT40)	CH118	13.37	21.73	1000	Pass
11n (HT40)	CH134	13.54	22.59	1000	Pass
11ac (VHT20)	CH100	13.63	23.07	887	Pass
11ac (VHT20)	CH116	13.31	21.43	886	Pass
11ac (VHT20)	CH140	13.37	21.73	886	Pass
11ac (VHT40)	CH102	13.61	22.96	1000	Pass
11ac (VHT40)	CH118	13.46	22.18	1000	Pass
11ac (VHT40)	CH134	13.50	22.39	1000	Pass
11ac (VHT80)	CH106	13.66	23.23	1000	Pass
11ac (VHT80)	CH122	13.68	23.33	1000	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	EIRP Power (dBm)	EIRP Power (mW)	Verdict
11a	CH149	13.17	20.75	Pass
11a	CH157	12.99	19.91	Pass
11a	CH165	13.08	20.32	Pass
11n (HT20)	CH149	13.32	21.48	Pass
11n (HT20)	CH157	13.43	22.03	Pass
11n (HT20)	CH165	13.33	21.53	Pass
11n (HT40)	CH151	13.48	22.28	Pass
11n (HT40)	CH159	13.13	20.56	Pass
11ac (VHT20)	CH149	13.39	21.83	Pass
11ac (VHT20)	CH157	13.50	22.39	Pass
11ac (VHT20)	CH165	13.39	21.83	Pass
11ac (VHT40)	CH151	13.45	22.13	Pass
11ac (VHT40)	CH159	12.97	19.82	Pass
11ac (VHT80)	CH155	13.37	21.73	Pass

U-NII-2C straddle channel					
Mode	Channel	EIRP Power (dBm)	EIRP Power (mW)	EIRP Limit (mW)	Verdict
11a	CH144	13.63	23.07	667	Pass
11n (HT20)	CH144	13.41	21.93	692	Pass
11n (HT40)	CH142	13.54	22.59	1000	Pass
11ac (VHT20)	CH144	13.47	22.23	692	Pass
11ac (VHT40)	CH142	13.68	23.33	1000	Pass
11ac (VHT80)	CH138	13.83	24.15	1000	Pass

U-NII-3 straddle channel				
Mode	Channel	EIRP Power (dBm)	EIRP Power (mW)	Verdict
11a	CH144	13.28	21.28	Pass
11n (HT20)	CH144	13.06	20.23	Pass
11n (HT40)	CH142	13.19	20.84	Pass
11ac (VHT20)	CH144	13.12	20.51	Pass
11ac (VHT40)	CH142	13.33	21.53	Pass
11ac (VHT80)	CH138	13.48	22.28	Pass

## MIMO

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	EIRP Power (dBm)	EIRP Power (mW)	EIRP Limit (mW)	Verdict
11a	CH36	16.43	43.92	166	Pass
11a	CH44	16.47	44.33	166	Pass
11a	CH48	16.50	44.64	166	Pass
11n (HT20)	CH36	16.50	44.64	177	Pass
11n (HT20)	CH44	16.34	43.05	177	Pass
11n (HT20)	CH48	16.57	45.42	177	Pass
11n (HT40)	CH38	16.15	41.23	200	Pass
11n (HT40)	CH46	16.20	41.68	200	Pass
11ac (VHT20)	CH36	16.52	44.89	177	Pass
11ac (VHT20)	CH44	16.41	43.77	177	Pass
11ac (HVT20)	CH48	16.60	45.68	177	Pass
11ac (VHT40)	CH38	16.15	41.22	200	Pass
11ac (VHT40)	CH46	16.18	41.51	200	Pass
11ac (VHT80)	CH42	16.44	44.02	200	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	EIRP Power (dBm)	EIRP Power (mW)	EIRP Limit (mW)	Verdict
11a	CH52	16.17	41.42	831	Pass
11a	CH60	16.39	43.51	831	Pass
11a	CH64	16.48	44.42	830	Pass
11n (HT20)	CH52	16.52	44.85	886	Pass
11n (HT20)	CH60	16.38	43.48	886	Pass
11n (HT20)	CH64	16.32	42.82	886	Pass
11n (HT40)	CH54	16.37	43.34	1000	Pass
11n (HT40)	CH62	16.21	41.77	1000	Pass
11ac (VHT20)	CH52	16.39	43.51	886	Pass
11ac (VHT20)	CH60	16.45	44.18	885	Pass
11ac (HVT20)	CH64	16.49	44.59	886	Pass
11ac (VHT40)	CH54	16.34	43.02	1000	Pass
11ac (VHT40)	CH62	16.21	41.78	1000	Pass
11ac (VHT80)	CH58	16.46	44.23	1000	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	EIRP Power (dBm)	EIRP Power (mW)	EIRP Limit (mW)	Verdict
11a	CH100	16.36	43.20	830	Pass
11a	CH116	16.05	40.24	830	Pass
11a	CH140	16.32	42.88	831	Pass
11n (HT20)	CH100	16.34	43.06	886	Pass
11n (HT20)	CH116	16.36	43.26	886	Pass
11n (HT20)	CH140	16.21	41.82	886	Pass
11n (HT40)	CH102	16.46	44.23	1000	Pass
11n (HT40)	CH118	16.24	42.10	1000	Pass
11n (HT40)	CH134	16.43	43.92	1000	Pass
11ac (VHT20)	CH100	16.40	43.67	887	Pass
11ac (VHT20)	CH116	16.28	42.42	886	Pass
11ac (VHT20)	CH140	16.52	44.85	886	Pass
11ac (VHT40)	CH102	16.46	44.24	1000	Pass
11ac (VHT40)	CH118	16.29	42.55	1000	Pass
11ac (VHT40)	CH134	16.41	43.72	1000	Pass
11ac (VHT80)	CH106	16.52	44.90	1000	Pass
11ac (VHT80)	CH122	16.25	42.21	1000	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	EIRP Power (dBm)	EIRP Power (mW)	Verdict
11a	CH149	16.24	42.03	Pass
11a	CH157	15.94	39.27	Pass
11a	CH165	16.17	41.41	Pass
11n (HT20)	CH149	16.20	41.71	Pass
11n (HT20)	CH157	16.26	42.26	Pass
11n (HT20)	CH165	16.16	41.34	Pass
11n (HT40)	CH151	16.03	40.11	Pass
11n (HT40)	CH159	15.92	39.05	Pass
11ac (VHT20)	CH149	16.26	42.29	Pass
11ac (VHT20)	CH157	16.29	42.52	Pass
11ac (VHT20)	CH165	16.19	41.55	Pass
11ac (VHT40)	CH151	16.09	40.67	Pass
11ac (VHT40)	CH159	16.11	40.85	Pass
11ac (VHT80)	CH155	16.31	42.72	Pass

U-NII-2C straddle channel					
Mode	Channel	EIRP Power (dBm)	EIRP Power (mW)	EIRP Limit (mW)	Verdict
11a	CH144	16.50	44.64	667	Pass
11n (HT20)	CH144	16.33	42.92	692	Pass
11n (HT40)	CH142	16.28	42.46	1000	Pass
11ac (VHT20)	CH144	16.43	43.91	692	Pass
11ac (VHT40)	CH142	16.36	43.29	1000	Pass
11ac (VHT80)	CH138	16.42	43.88	1000	Pass

U-NII-3 straddle channel				
Mode	Channel	EIRP Power (dBm)	EIRP Power (mW)	Verdict
11a	CH144	16.16	41.33	Pass
11n (HT20)	CH144	15.99	39.73	Pass
11n (HT40)	CH142	15.94	39.30	Pass
11ac (VHT20)	CH144	16.09	40.65	Pass
11ac (VHT40)	CH142	16.03	40.06	Pass
11ac (VHT80)	CH138	16.09	40.61	Pass

## A.2 Emission Bandwidth & 99% Bandwidth

Note<sup>1</sup>: Test plots please refer to the document "Annex No.: BL-SZ21C0792-604 Data Part 1.pdf".

Note<sup>2</sup>: All the configurations were tested, but only the worst data was shown in this report.

### Test Data

#### Main Antenna

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	22.76	16.61
11a	CH44	22.71	16.61
11a	CH48	23.05	16.62
11n (HT20)	CH36	23.66	17.75
11n (HT20)	CH44	23.85	17.76
11n (HT20)	CH48	23.82	17.76
11n (HT40)	CH38	41.86	36.28
11n (HT40)	CH46	41.84	36.24
11ac (VHT20)	CH36	23.78	17.76
11ac (VHT20)	CH44	23.77	17.77
11ac (VHT20)	CH48	23.83	17.77
11ac (VHT40)	CH38	41.94	36.25
11ac (VHT40)	CH46	41.94	36.24
11ac (VHT80)	CH42	83.87	75.69

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	23.22	16.61
11a	CH60	23.10	16.62
11a	CH64	22.99	16.61
11n (HT20)	CH52	23.87	17.76
11n (HT20)	CH60	23.84	17.76
11n (HT20)	CH64	23.87	17.75
11n (HT40)	CH54	41.95	36.26
11n (HT40)	CH62	41.93	36.26
11ac (VHT20)	CH52	23.54	17.76
11ac (VHT20)	CH60	23.60	17.75
11ac (VHT20)	CH64	23.72	17.77
11ac (VHT40)	CH54	41.94	36.26
11ac (VHT40)	CH62	41.75	36.25
11ac (VHT80)	CH58	84.20	75.82

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	22.72	16.59
11a	CH116	23.14	16.63
11a	CH140	23.09	16.62
11n (HT20)	CH100	23.79	17.74
11n (HT20)	CH116	24.10	17.76
11n (HT20)	CH140	23.56	17.75
11n (HT40)	CH102	42.00	36.26
11n (HT40)	CH118	41.83	36.22
11n (HT40)	CH134	41.81	36.24
11ac (VHT20)	CH100	23.75	17.75
11ac (VHT20)	CH116	23.94	17.78
11ac (VHT20)	CH140	23.82	17.76
11ac (VHT40)	CH102	42.12	36.26
11ac (VHT40)	CH118	41.83	36.23
11ac (VHT40)	CH134	41.64	36.24
11ac (VHT80)	CH106	83.85	75.74
11ac (VHT80)	CH122	84.42	75.76

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	23.04	16.63
11a	CH157	23.26	16.62
11a	CH165	23.22	16.63
11n (HT20)	CH149	23.59	17.77
11n (HT20)	CH157	23.84	17.77
11n (HT20)	CH165	23.81	17.77
11n (HT40)	CH151	41.88	36.24
11n (HT40)	CH159	41.93	36.27
11ac (VHT20)	CH149	23.80	17.79
11ac (VHT20)	CH157	23.81	17.77
11ac (VHT20)	CH165	23.59	17.77
11ac (VHT40)	CH151	41.96	36.23
11ac (VHT40)	CH159	41.71	36.25
11ac (VHT80)	CH155	83.70	75.76

U-NII-2C straddle channel			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH144	16.60	13.30
11n (HT20)	CH144	16.90	13.90
11n (HT40)	CH142	36.10	33.10
11ac (VHT20)	CH144	17.10	13.90
11ac (VHT40)	CH142	36.00	33.10
11ac (VHT80)	CH138	76.90	72.90

U-NII-3 straddle channel			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH144	6.40	3.30
11n (HT20)	CH144	6.80	3.90
11n (HT40)	CH142	5.90	3.10
11ac (VHT20)	CH144	6.90	3.90
11ac (VHT40)	CH142	5.90	3.10
11ac (VHT80)	CH138	7.10	2.90



## Aux. Antenna

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	20.91	16.56
11a	CH44	20.80	16.56
11a	CH48	20.83	16.58
11n (HT20)	CH36	21.16	17.68
11n (HT20)	CH44	21.09	17.65
11n (HT20)	CH48	21.21	17.68
11n (HT40)	CH38	41.98	36.26
11n (HT40)	CH46	41.95	36.22
11ac (VHT20)	CH36	21.05	17.67
11ac (VHT20)	CH44	20.97	17.67
11ac (VHT20)	CH48	21.07	17.69
11ac (VHT40)	CH38	41.90	36.25
11ac (VHT40)	CH46	41.64	36.23
11ac (VHT80)	CH42	84.17	75.68

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	20.86	16.58
11a	CH60	20.89	16.58
11a	CH64	20.89	16.56
11n (HT20)	CH52	21.09	17.67
11n (HT20)	CH60	21.12	17.67
11n (HT20)	CH64	21.13	17.68
11n (HT40)	CH54	42.14	36.26
11n (HT40)	CH62	42.08	36.23
11ac (VHT20)	CH52	21.04	17.68
11ac (VHT20)	CH60	21.05	17.67
11ac (VHT20)	CH64	20.97	17.68
11ac (VHT40)	CH54	41.88	36.27
11ac (VHT40)	CH62	41.53	36.23
11ac (VHT80)	CH58	83.94	75.79

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	20.86	16.56
11a	CH116	20.85	16.57
11a	CH140	20.99	16.58
11n (HT20)	CH100	21.16	17.68
11n (HT20)	CH116	21.19	17.68
11n (HT20)	CH140	21.16	17.68
11n (HT40)	CH102	41.93	36.22
11n (HT40)	CH118	42.03	36.24
11n (HT40)	CH134	41.83	36.23
11ac (VHT20)	CH100	21.07	17.70
11ac (VHT20)	CH116	21.15	17.68
11ac (VHT20)	CH140	21.08	17.68
11ac (VHT40)	CH102	41.62	36.22
11ac (VHT40)	CH118	41.69	36.24
11ac (VHT40)	CH134	41.76	36.25
11ac (VHT80)	CH106	84.52	75.72
11ac (VHT80)	CH122	83.80	75.80

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	20.82	16.56
11a	CH157	20.79	16.57
11a	CH165	20.83	16.57
11n (HT20)	CH149	21.08	17.67
11n (HT20)	CH157	21.18	17.66
11n (HT20)	CH165	21.13	17.67
11n (HT40)	CH151	41.67	36.20
11n (HT40)	CH159	42.03	36.25
11ac (VHT20)	CH149	21.14	17.68
11ac (VHT20)	CH157	21.08	17.66
11ac (VHT20)	CH165	21.03	17.67
11ac (VHT40)	CH151	41.62	36.22
11ac (VHT40)	CH159	41.67	36.27
11ac (VHT80)	CH155	84.32	75.78

U-NII-2C straddle channel			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH144	15.50	13.30
11n (HT20)	CH144	15.60	13.80
11n (HT40)	CH142	36.00	33.10
11ac (VHT20)	CH144	15.50	13.80
11ac (VHT40)	CH142	35.90	33.10
11ac (VHT80)	CH138	77.10	72.90

U-NII-3 straddle channel			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH144	5.40	3.30
11n (HT20)	CH144	5.50	3.80
11n (HT40)	CH142	6.10	3.10
11ac (VHT20)	CH144	5.60	3.80
11ac (VHT40)	CH142	5.80	3.10
11ac (VHT80)	CH138	7.10	2.90

### A.3 6 dB Bandwidth

Note 1: Test plots please refer to the document "Annex No.: BL-SZ21C0792-604 Data Part 2.pdf".

Note 2: All the configurations were tested, but only the worst data was shown in this report.

#### Test Data

##### Main Antenna

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	15.40	500.00	Pass
11a	CH157	16.05	500.00	Pass
11a	CH165	15.20	500.00	Pass
11n (HT20)	CH149	15.20	500.00	Pass
11n (HT20)	CH157	15.40	500.00	Pass
11n (HT20)	CH165	15.20	500.00	Pass
11n (HT40)	CH151	35.55	500.00	Pass
11n (HT40)	CH159	35.40	500.00	Pass
11ac (VHT20)	CH149	15.20	500.00	Pass
11ac (VHT20)	CH157	15.80	500.00	Pass
11ac (VHT20)	CH165	15.80	500.00	Pass
11ac (VHT40)	CH151	35.45	500.00	Pass
11ac (VHT40)	CH159	35.75	500.00	Pass
11ac (VHT80)	CH155	75.20	500.00	Pass

U-NII-3 straddle channel				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH144	2.60	500.00	Pass
11n (HT20)	CH144	2.90	500.00	Pass
11n (HT40)	CH142	2.95	500.00	Pass
11ac (VHT20)	CH144	3.20	500.00	Pass
11ac (VHT40)	CH142	3.20	500.00	Pass
11ac (VHT80)	CH138	2.60	500.00	Pass

## Aux. Antenna

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	15.75	500.00	Pass
11a	CH157	15.25	500.00	Pass
11a	CH165	16.40	500.00	Pass
11n (HT20)	CH149	15.25	500.00	Pass
11n (HT20)	CH157	15.25	500.00	Pass
11n (HT20)	CH165	15.20	500.00	Pass
11n (HT40)	CH151	35.80	500.00	Pass
11n (HT40)	CH159	36.15	500.00	Pass
11ac (VHT20)	CH149	17.00	500.00	Pass
11ac (VHT20)	CH157	17.05	500.00	Pass
11ac (VHT20)	CH165	15.25	500.00	Pass
11ac (VHT40)	CH151	35.75	500.00	Pass
11ac (VHT40)	CH159	35.70	500.00	Pass
11ac (VHT80)	CH155	75.25	500.00	Pass

U-NII-3 straddle channel				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH144	2.65	500.00	Pass
11n (HT20)	CH144	2.65	500.00	Pass
11n (HT40)	CH142	2.85	500.00	Pass
11ac (VHT20)	CH144	3.45	500.00	Pass
11ac (VHT40)	CH142	3.20	500.00	Pass
11ac (VHT80)	CH138	2.60	500.00	Pass

## A.4 Power Spectral Density

Note<sup>1</sup>: Test plots please refer to the document “Annex No.: BL-SZ21C0792-604 Data Part 3.pdf”.

Note<sup>2</sup>: The RBW used in U-NII-3 is 1 MHz, and the PSD factor is:  $10 \cdot \log(500 \text{ kHz/RBW}) = -3 \text{ dBm}$ .

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

### Test Data

#### Main Antenna

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH36	-0.53	11.00	Pass
11a	CH44	-0.36	11.00	Pass
11a	CH48	-0.26	11.00	Pass
11n (HT20)	CH36	-0.60	11.00	Pass
11n (HT20)	CH44	-0.51	11.00	Pass
11n (HT20)	CH48	-0.77	11.00	Pass
11n (HT40)	CH38	-3.76	11.00	Pass
11n (HT40)	CH46	-3.68	11.00	Pass
11ac (VHT20)	CH36	-0.54	11.00	Pass
11ac (VHT20)	CH44	-0.40	11.00	Pass
11ac (VHT20)	CH48	-0.71	11.00	Pass
11ac (VHT40)	CH38	-3.72	11.00	Pass
11ac (VHT40)	CH46	-3.61	11.00	Pass
11ac (VHT80)	CH42	-6.43	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH52	-0.45	11.00	Pass
11a	CH60	-0.40	11.00	Pass
11a	CH64	-0.28	11.00	Pass
11n (HT20)	CH52	-0.53	11.00	Pass
11n (HT20)	CH60	-0.45	11.00	Pass
11n (HT20)	CH64	-0.72	11.00	Pass
11n (HT40)	CH54	-3.43	11.00	Pass
11n (HT40)	CH62	-3.44	11.00	Pass
11ac (VHT20)	CH52	-0.44	11.00	Pass
11ac (VHT20)	CH60	-0.52	11.00	Pass
11ac (VHT20)	CH64	-0.79	11.00	Pass
11ac (VHT40)	CH54	-3.51	11.00	Pass
11ac (VHT40)	CH62	-3.47	11.00	Pass
11ac (VHT80)	CH58	-6.94	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH100	-1.40	11.00	Pass
11a	CH116	-0.42	11.00	Pass
11a	CH140	-0.55	11.00	Pass
11n (HT20)	CH100	-0.21	11.00	Pass
11n (HT20)	CH116	-0.30	11.00	Pass
11n (HT20)	CH140	-0.38	11.00	Pass
11n (HT40)	CH102	-4.42	11.00	Pass
11n (HT40)	CH118	-3.47	11.00	Pass
11n (HT40)	CH134	-3.47	11.00	Pass
11ac (VHT20)	CH100	-0.74	11.00	Pass
11ac (VHT20)	CH116	-0.25	11.00	Pass
11ac (VHT20)	CH140	-0.32	11.00	Pass
11ac (VHT40)	CH102	-4.52	11.00	Pass
11ac (VHT40)	CH118	-3.42	11.00	Pass
11ac (VHT40)	CH134	-3.52	11.00	Pass
11ac (VHT80)	CH106	-6.43	11.00	Pass
11ac (VHT80)	CH122	-6.59	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	-3.30	30.00	Pass
11a	CH157	-3.02	30.00	Pass
11a	CH165	-3.30	30.00	Pass
11n (HT20)	CH149	-3.21	30.00	Pass
11n (HT20)	CH157	-3.48	30.00	Pass
11n (HT20)	CH165	-3.16	30.00	Pass
11n (HT40)	CH151	-6.06	30.00	Pass
11n (HT40)	CH159	-6.08	30.00	Pass
11ac (VHT20)	CH149	-3.28	30.00	Pass
11ac (VHT20)	CH157	-3.40	30.00	Pass
11ac (VHT20)	CH165	-3.28	30.00	Pass
11ac (VHT40)	CH151	-6.08	30.00	Pass
11ac (VHT40)	CH159	-6.14	30.00	Pass
11ac (VHT80)	CH155	-9.47	30.00	Pass

U-NII-2C straddle channel				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH144	-0.50	11.00	Pass
11n (HT20)	CH144	-0.42	11.00	Pass
11n (HT40)	CH142	-3.53	11.00	Pass
11ac (VHT20)	CH144	-0.38	11.00	Pass
11ac (VHT40)	CH142	-3.45	11.00	Pass
11ac (VHT80)	CH138	-6.47	11.00	Pass

U-NII-3 straddle channel				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH144	-3.24	30.00	Pass
11n (HT20)	CH144	-3.09	30.00	Pass
11n (HT40)	CH142	-6.19	30.00	Pass
11ac (VHT20)	CH144	-3.09	30.00	Pass
11ac (VHT40)	CH142	-6.22	30.00	Pass
11ac (VHT80)	CH138	-9.35	30.00	Pass



## Aux. Antenna

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH36	-0.29	11.00	Pass
11a	CH44	-0.41	11.00	Pass
11a	CH48	-0.55	11.00	Pass
11n (HT20)	CH36	-0.74	11.00	Pass
11n (HT20)	CH44	-0.23	11.00	Pass
11n (HT20)	CH48	-0.60	11.00	Pass
11n (HT40)	CH38	-3.52	11.00	Pass
11n (HT40)	CH46	-3.37	11.00	Pass
11ac (VHT20)	CH36	-0.65	11.00	Pass
11ac (VHT20)	CH44	-0.25	11.00	Pass
11ac (VHT20)	CH48	-0.55	11.00	Pass
11ac (VHT40)	CH38	-3.55	11.00	Pass
11ac (VHT40)	CH46	-3.32	11.00	Pass
11ac (VHT80)	CH42	-6.84	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH52	-0.01	11.00	Pass
11a	CH60	-0.02	11.00	Pass
11a	CH64	-0.12	11.00	Pass
11n (HT20)	CH52	-0.49	11.00	Pass
11n (HT20)	CH60	-0.48	11.00	Pass
11n (HT20)	CH64	-0.67	11.00	Pass
11n (HT40)	CH54	-3.56	11.00	Pass
11n (HT40)	CH62	-3.37	11.00	Pass
11ac (VHT20)	CH52	-0.49	11.00	Pass
11ac (VHT20)	CH60	-0.41	11.00	Pass
11ac (VHT20)	CH64	-0.54	11.00	Pass
11ac (VHT40)	CH54	-3.37	11.00	Pass
11ac (VHT40)	CH62	-3.15	11.00	Pass
11ac (VHT80)	CH58	-6.84	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH100	-0.48	11.00	Pass
11a	CH116	-0.03	11.00	Pass
11a	CH140	-0.08	11.00	Pass
11n (HT20)	CH100	-1.09	11.00	Pass
11n (HT20)	CH116	-0.42	11.00	Pass
11n (HT20)	CH140	-0.39	11.00	Pass
11n (HT40)	CH102	-3.66	11.00	Pass
11n (HT40)	CH118	-3.11	11.00	Pass
11n (HT40)	CH134	-3.24	11.00	Pass
11ac (VHT20)	CH100	-1.08	11.00	Pass
11ac (VHT20)	CH116	-0.40	11.00	Pass
11ac (VHT20)	CH140	-0.40	11.00	Pass
11ac (VHT40)	CH102	-3.66	11.00	Pass
11ac (VHT40)	CH118	-3.21	11.00	Pass
11ac (VHT40)	CH134	-3.26	11.00	Pass
11ac (VHT80)	CH106	-7.31	11.00	Pass
11ac (VHT80)	CH122	-6.32	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	-3.03	30.00	Pass
11a	CH157	-2.76	30.00	Pass
11a	CH165	-3.05	30.00	Pass
11n (HT20)	CH149	-3.39	30.00	Pass
11n (HT20)	CH157	-3.05	30.00	Pass
11n (HT20)	CH165	-3.46	30.00	Pass
11n (HT40)	CH151	-6.04	30.00	Pass
11n (HT40)	CH159	-6.38	30.00	Pass
11ac (VHT20)	CH149	-3.34	30.00	Pass
11ac (VHT20)	CH157	-3.17	30.00	Pass
11ac (VHT20)	CH165	-3.47	30.00	Pass
11ac (VHT40)	CH151	-6.04	30.00	Pass
11ac (VHT40)	CH159	-6.34	30.00	Pass
11ac (VHT80)	CH155	-9.21	30.00	Pass

U-NII-2C straddle channel				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH144	-0.30	11.00	Pass
11n (HT20)	CH144	-0.17	11.00	Pass
11n (HT40)	CH142	-3.37	11.00	Pass
11ac (VHT20)	CH144	-0.28	11.00	Pass
11ac (VHT40)	CH142	-3.42	11.00	Pass
11ac (VHT80)	CH138	-6.54	11.00	Pass

U-NII-3 straddle channel				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH144	-2.90	30.00	Pass
11n (HT20)	CH144	-3.38	30.00	Pass
11n (HT40)	CH142	-6.06	30.00	Pass
11ac (VHT20)	CH144	-2.89	30.00	Pass
11ac (VHT40)	CH142	-6.16	30.00	Pass
11ac (VHT80)	CH138	-9.32	30.00	Pass

## MIMO

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH36	2.60	11.00	Pass
11a	CH44	2.62	11.00	Pass
11a	CH48	2.60	11.00	Pass
11n (HT20)	CH36	2.35	11.00	Pass
11n (HT20)	CH44	2.64	11.00	Pass
11n (HT20)	CH48	2.33	11.00	Pass
11n (HT40)	CH38	-0.63	11.00	Pass
11n (HT40)	CH46	-0.52	11.00	Pass
11ac (VHT20)	CH36	2.42	11.00	Pass
11ac (VHT20)	CH44	2.68	11.00	Pass
11ac (VHT20)	CH48	2.38	11.00	Pass
11ac (VHT40)	CH38	-0.62	11.00	Pass
11ac (VHT40)	CH46	-0.45	11.00	Pass
11ac (VHT80)	CH42	-3.62	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH52	2.78	11.00	Pass
11a	CH60	2.81	11.00	Pass
11a	CH64	2.81	11.00	Pass
11n (HT20)	CH52	2.50	11.00	Pass
11n (HT20)	CH60	2.55	11.00	Pass
11n (HT20)	CH64	2.31	11.00	Pass
11n (HT40)	CH54	-0.49	11.00	Pass
11n (HT40)	CH62	-0.39	11.00	Pass
11ac (VHT20)	CH52	2.55	11.00	Pass
11ac (VHT20)	CH60	2.55	11.00	Pass
11ac (VHT20)	CH64	2.34	11.00	Pass
11ac (VHT40)	CH54	-0.43	11.00	Pass
11ac (VHT40)	CH62	-0.30	11.00	Pass
11ac (VHT80)	CH58	-3.88	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH100	2.09	11.00	Pass
11a	CH116	2.79	11.00	Pass
11a	CH140	2.70	11.00	Pass
11n (HT20)	CH100	2.38	11.00	Pass
11n (HT20)	CH116	2.65	11.00	Pass
11n (HT20)	CH140	2.63	11.00	Pass
11n (HT40)	CH102	-1.01	11.00	Pass
11n (HT40)	CH118	-0.28	11.00	Pass
11n (HT40)	CH134	-0.34	11.00	Pass
11ac (VHT20)	CH100	2.10	11.00	Pass
11ac (VHT20)	CH116	2.69	11.00	Pass
11ac (VHT20)	CH140	2.65	11.00	Pass
11ac (VHT40)	CH102	-1.06	11.00	Pass
11ac (VHT40)	CH118	-0.30	11.00	Pass
11ac (VHT40)	CH134	-0.38	11.00	Pass
11ac (VHT80)	CH106	-3.84	11.00	Pass
11ac (VHT80)	CH122	-3.44	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	-0.15	30.00	Pass
11a	CH157	0.12	30.00	Pass
11a	CH165	-0.16	30.00	Pass
11n (HT20)	CH149	-0.28	30.00	Pass
11n (HT20)	CH157	-0.25	30.00	Pass
11n (HT20)	CH165	-0.30	30.00	Pass
11n (HT40)	CH151	-3.04	30.00	Pass
11n (HT40)	CH159	-3.21	30.00	Pass
11ac (VHT20)	CH149	-0.30	30.00	Pass
11ac (VHT20)	CH157	-0.27	30.00	Pass
11ac (VHT20)	CH165	-0.36	30.00	Pass
11ac (VHT40)	CH151	-3.05	30.00	Pass
11ac (VHT40)	CH159	-3.23	30.00	Pass
11ac (VHT80)	CH155	-6.33	30.00	Pass

U-NII-2C straddle channel				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH144	2.61	11.00	Pass
11n (HT20)	CH144	2.72	11.00	Pass
11n (HT40)	CH142	-0.44	11.00	Pass
11ac (VHT20)	CH144	2.68	11.00	Pass
11ac (VHT40)	CH142	-0.43	11.00	Pass
11ac (VHT80)	CH138	-3.50	11.00	Pass

U-NII-3 straddle channel				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH144	-0.05	30.00	Pass
11n (HT20)	CH144	-0.23	30.00	Pass
11n (HT40)	CH142	-3.11	30.00	Pass
11ac (VHT20)	CH144	0.02	30.00	Pass
11ac (VHT40)	CH142	-3.18	30.00	Pass
11ac (VHT80)	CH138	-6.33	30.00	Pass

## EIRP PSD

## Main Antenna

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	EIRP Limit (dBm/MHz)	Verdict
11a	CH36	2.24	10.00	Pass
11a	CH44	2.41	10.00	Pass
11a	CH48	2.51	10.00	Pass
11n (HT20)	CH36	2.17	10.00	Pass
11n (HT20)	CH44	2.26	10.00	Pass
11n (HT20)	CH48	2.00	10.00	Pass
11n (HT40)	CH38	-0.99	10.00	Pass
11n (HT40)	CH46	-0.91	10.00	Pass
11ac (VHT20)	CH36	2.23	10.00	Pass
11ac (VHT20)	CH44	2.37	10.00	Pass
11ac (VHT20)	CH48	2.06	10.00	Pass
11ac (VHT40)	CH38	-0.95	10.00	Pass
11ac (VHT40)	CH46	-0.84	10.00	Pass
11ac (VHT80)	CH42	-3.66	10.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	EIRP Limit (dBm/MHz)	Verdict
11a	CH52	2.32	10.00	Pass
11a	CH60	2.37	10.00	Pass
11a	CH64	2.49	10.00	Pass
11n (HT20)	CH52	2.24	10.00	Pass
11n (HT20)	CH60	2.32	10.00	Pass
11n (HT20)	CH64	2.05	10.00	Pass
11n (HT40)	CH54	-0.66	10.00	Pass
11n (HT40)	CH62	-0.67	10.00	Pass
11ac (VHT20)	CH52	2.33	10.00	Pass
11ac (VHT20)	CH60	2.25	10.00	Pass
11ac (VHT20)	CH64	1.98	10.00	Pass
11ac (VHT40)	CH54	-0.74	10.00	Pass
11ac (VHT40)	CH62	-0.70	10.00	Pass
11ac (VHT80)	CH58	-4.17	10.00	Pass

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH100	1.31	Pass
11a	CH116	2.29	Pass
11a	CH140	2.16	Pass
11n (HT20)	CH100	2.50	Pass
11n (HT20)	CH116	2.41	Pass
11n (HT20)	CH140	2.33	Pass
11n (HT40)	CH102	-1.71	Pass
11n (HT40)	CH118	-0.76	Pass
11n (HT40)	CH134	-0.76	Pass
11ac (VHT20)	CH100	1.97	Pass
11ac (VHT20)	CH116	2.46	Pass
11ac (VHT20)	CH140	2.39	Pass
11ac (VHT40)	CH102	-1.81	Pass
11ac (VHT40)	CH118	-0.71	Pass
11ac (VHT40)	CH134	-0.81	Pass
11ac (VHT80)	CH106	-3.72	Pass
11ac (VHT80)	CH122	-3.88	Pass

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH149	-0.91	Pass
11a	CH157	-0.63	Pass
11a	CH165	-0.91	Pass
11n (HT20)	CH149	-0.82	Pass
11n (HT20)	CH157	-1.09	Pass
11n (HT20)	CH165	-0.77	Pass
11n (HT40)	CH151	-3.67	Pass
11n (HT40)	CH159	-3.69	Pass
11ac (VHT20)	CH149	-0.89	Pass
11ac (VHT20)	CH157	-1.01	Pass
11ac (VHT20)	CH165	-0.89	Pass
11ac (VHT40)	CH151	-3.69	Pass
11ac (VHT40)	CH159	-3.75	Pass
11ac (VHT80)	CH155	-7.08	Pass



U-NII-2C straddle channel			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH144	2.21	Pass
11n (HT20)	CH144	2.29	Pass
11n (HT40)	CH142	-0.82	Pass
11ac (VHT20)	CH144	2.33	Pass
11ac (VHT40)	CH142	-0.74	Pass
11ac (VHT80)	CH138	-3.76	Pass

U-NII-3 straddle channel			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH144	-0.85	Pass
11n (HT20)	CH144	-0.70	Pass
11n (HT40)	CH142	-3.80	Pass
11ac (VHT20)	CH144	-0.70	Pass
11ac (VHT40)	CH142	-3.83	Pass
11ac (VHT80)	CH138	-6.96	Pass

## Aux. Antenna

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	EIRP Limit (dBm/MHz)	Verdict
11a	CH36	2.42	10.00	Pass
11a	CH44	2.30	10.00	Pass
11a	CH48	2.16	10.00	Pass
11n (HT20)	CH36	1.97	10.00	Pass
11n (HT20)	CH44	2.48	10.00	Pass
11n (HT20)	CH48	2.11	10.00	Pass
11n (HT40)	CH38	-0.81	10.00	Pass
11n (HT40)	CH46	-0.66	10.00	Pass
11ac (VHT20)	CH36	2.06	10.00	Pass
11ac (VHT20)	CH44	2.46	10.00	Pass
11ac (VHT20)	CH48	2.16	10.00	Pass
11ac (VHT40)	CH38	-0.84	10.00	Pass
11ac (VHT40)	CH46	-0.61	10.00	Pass
11ac (VHT80)	CH42	-4.13	10.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	EIRP Limit (dBm/MHz)	Verdict
11a	CH52	2.70	10.00	Pass
11a	CH60	2.69	10.00	Pass
11a	CH64	2.59	10.00	Pass
11n (HT20)	CH52	2.22	10.00	Pass
11n (HT20)	CH60	2.23	10.00	Pass
11n (HT20)	CH64	2.04	10.00	Pass
11n (HT40)	CH54	-0.85	10.00	Pass
11n (HT40)	CH62	-0.66	10.00	Pass
11ac (VHT20)	CH52	2.22	10.00	Pass
11ac (VHT20)	CH60	2.30	10.00	Pass
11ac (VHT20)	CH64	2.17	10.00	Pass
11ac (VHT40)	CH54	-0.66	10.00	Pass
11ac (VHT40)	CH62	-0.44	10.00	Pass
11ac (VHT80)	CH58	-4.13	10.00	Pass

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH100	2.41	Pass
11a	CH116	2.86	Pass
11a	CH140	2.81	Pass
11n (HT20)	CH100	1.80	Pass
11n (HT20)	CH116	2.47	Pass
11n (HT20)	CH140	2.50	Pass
11n (HT40)	CH102	-0.77	Pass
11n (HT40)	CH118	-0.22	Pass
11n (HT40)	CH134	-0.35	Pass
11ac (VHT20)	CH100	1.81	Pass
11ac (VHT20)	CH116	2.49	Pass
11ac (VHT20)	CH140	2.49	Pass
11ac (VHT40)	CH102	-0.77	Pass
11ac (VHT40)	CH118	-0.32	Pass
11ac (VHT40)	CH134	-0.37	Pass
11ac (VHT80)	CH106	-4.42	Pass
11ac (VHT80)	CH122	-3.43	Pass

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH149	-0.49	Pass
11a	CH157	-0.22	Pass
11a	CH165	-0.51	Pass
11n (HT20)	CH149	-0.85	Pass
11n (HT20)	CH157	-0.51	Pass
11n (HT20)	CH165	-0.92	Pass
11n (HT40)	CH151	-3.50	Pass
11n (HT40)	CH159	-3.84	Pass
11ac (VHT20)	CH149	-0.80	Pass
11ac (VHT20)	CH157	-0.63	Pass
11ac (VHT20)	CH165	-0.93	Pass
11ac (VHT40)	CH151	-3.50	Pass
11ac (VHT40)	CH159	-3.80	Pass
11ac (VHT80)	CH155	-6.67	Pass

U-NII-2C straddle channel			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH144	2.59	Pass
11n (HT20)	CH144	2.72	Pass
11n (HT40)	CH142	-0.48	Pass
11ac (VHT20)	CH144	2.61	Pass
11ac (VHT40)	CH142	-0.53	Pass
11ac (VHT80)	CH138	-3.65	Pass

U-NII-3 straddle channel			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH144	-0.36	Pass
11n (HT20)	CH144	-0.84	Pass
11n (HT40)	CH142	-3.52	Pass
11ac (VHT20)	CH144	-0.35	Pass
11ac (VHT40)	CH142	-3.62	Pass
11ac (VHT80)	CH138	-6.78	Pass

## MIMO

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	EIRP Limit (dBm/MHz)	Verdict
11a	CH36	5.34	10.00	Pass
11a	CH44	5.37	10.00	Pass
11a	CH48	5.35	10.00	Pass
11n (HT20)	CH36	5.08	10.00	Pass
11n (HT20)	CH44	5.38	10.00	Pass
11n (HT20)	CH48	5.07	10.00	Pass
11n (HT40)	CH38	2.11	10.00	Pass
11n (HT40)	CH46	2.23	10.00	Pass
11ac (VHT20)	CH36	5.16	10.00	Pass
11ac (VHT20)	CH44	5.43	10.00	Pass
11ac (VHT20)	CH48	5.12	10.00	Pass
11ac (VHT40)	CH38	2.12	10.00	Pass
11ac (VHT40)	CH46	2.29	10.00	Pass
11ac (VHT80)	CH42	-0.88	10.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	EIRP Limit (dBm/MHz)	Verdict
11a	CH52	5.52	10.00	Pass
11a	CH60	5.54	10.00	Pass
11a	CH64	5.55	10.00	Pass
11n (HT20)	CH52	5.24	10.00	Pass
11n (HT20)	CH60	5.29	10.00	Pass
11n (HT20)	CH64	5.06	10.00	Pass
11n (HT40)	CH54	2.26	10.00	Pass
11n (HT40)	CH62	2.35	10.00	Pass
11ac (VHT20)	CH52	5.29	10.00	Pass
11ac (VHT20)	CH60	5.29	10.00	Pass
11ac (VHT20)	CH64	5.09	10.00	Pass
11ac (VHT40)	CH54	2.31	10.00	Pass
11ac (VHT40)	CH62	2.44	10.00	Pass
11ac (VHT80)	CH58	-1.14	10.00	Pass

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH100	4.91	Pass
11a	CH116	5.59	Pass
11a	CH140	5.51	Pass
11n (HT20)	CH100	5.17	Pass
11n (HT20)	CH116	5.45	Pass
11n (HT20)	CH140	5.43	Pass
11n (HT40)	CH102	1.80	Pass
11n (HT40)	CH118	2.53	Pass
11n (HT40)	CH134	2.46	Pass
11ac (VHT20)	CH100	4.90	Pass
11ac (VHT20)	CH116	5.49	Pass
11ac (VHT20)	CH140	5.45	Pass
11ac (VHT40)	CH102	1.75	Pass
11ac (VHT40)	CH118	2.50	Pass
11ac (VHT40)	CH134	2.43	Pass
11ac (VHT80)	CH106	-1.05	Pass
11ac (VHT80)	CH122	-0.64	Pass

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH149	2.32	Pass
11a	CH157	2.59	Pass
11a	CH165	2.30	Pass
11n (HT20)	CH149	2.18	Pass
11n (HT20)	CH157	2.22	Pass
11n (HT20)	CH165	2.17	Pass
11n (HT40)	CH151	-0.57	Pass
11n (HT40)	CH159	-0.75	Pass
11ac (VHT20)	CH149	2.17	Pass
11ac (VHT20)	CH157	2.19	Pass
11ac (VHT20)	CH165	2.10	Pass
11ac (VHT40)	CH151	-0.58	Pass
11ac (VHT40)	CH159	-0.76	Pass
11ac (VHT80)	CH155	-3.86	Pass

U-NII-2C straddle channel			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH144	5.41	Pass
11n (HT20)	CH144	5.52	Pass
11n (HT40)	CH142	2.36	Pass
11ac (VHT20)	CH144	5.48	Pass
11ac (VHT40)	CH142	2.38	Pass
11ac (VHT80)	CH138	-0.69	Pass

U-NII-3 straddle channel			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH144	2.41	Pass
11n (HT20)	CH144	2.24	Pass
11n (HT40)	CH142	-0.65	Pass
11ac (VHT20)	CH144	2.49	Pass
11ac (VHT40)	CH142	-0.71	Pass
11ac (VHT80)	CH138	-3.86	Pass

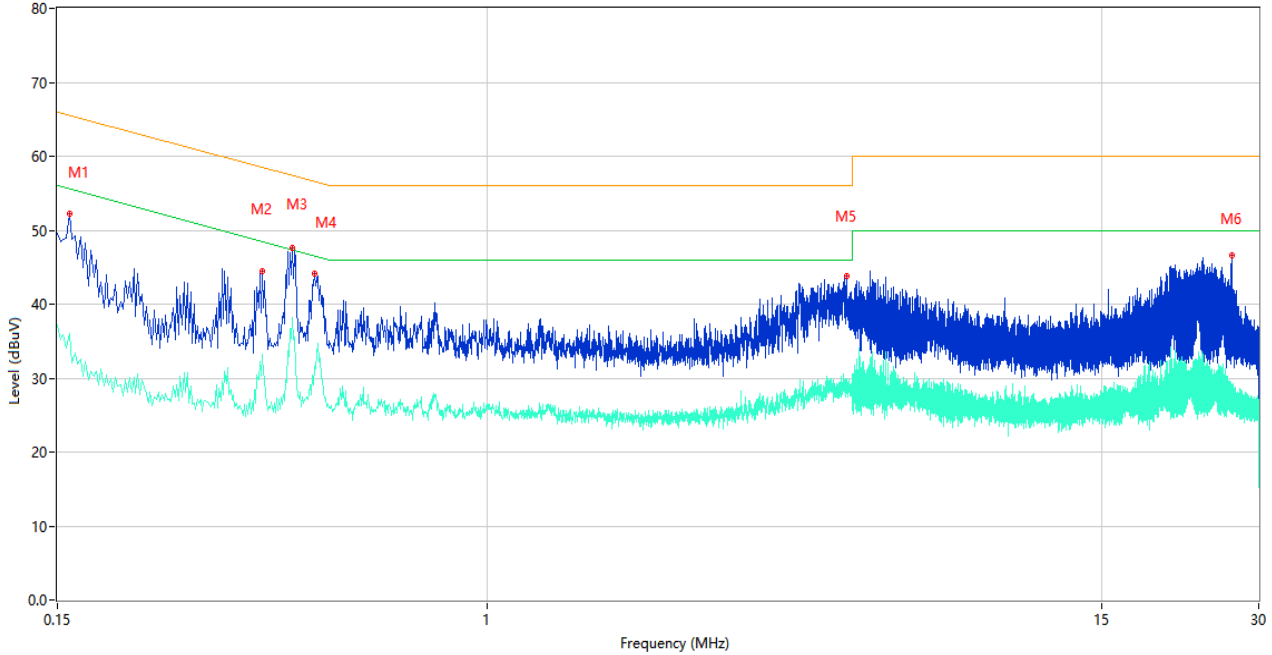
## A.5 Conducted Emissions

Note<sup>1</sup>: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.  
 Note<sup>2</sup>: 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

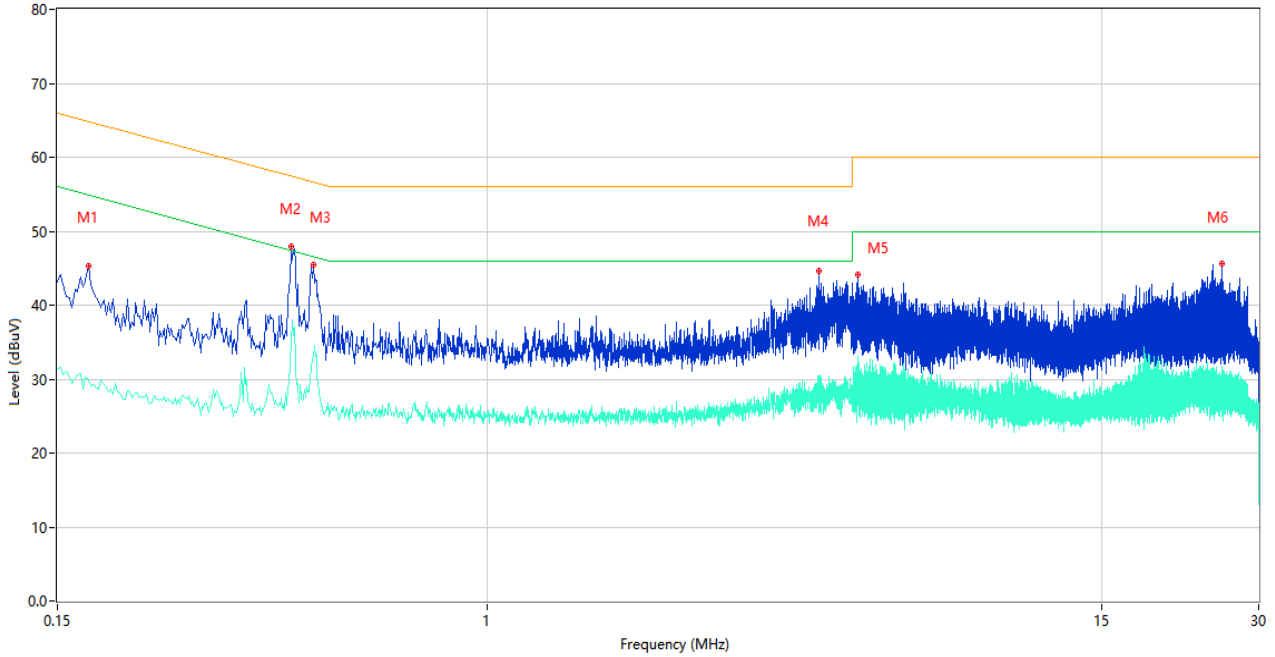


No.	Frequency (MHz)	Results (dBUV)	Factor (dB)	Limit (dBUV)	Over Limit (dB)	Detector	Line	Verdict
1	0.158	52.24	10.99	65.57	-13.33	Peak	L	Pass
1**	0.158	35.97	10.99	55.57	-19.60	AV	L	Pass
2	0.370	44.43	10.89	58.50	-14.07	Peak	L	Pass
2**	0.370	33.26	10.89	48.50	-15.24	AV	L	Pass
3	0.422	47.55	10.91	57.41	-9.86	Peak	L	Pass
3**	0.422	38.19	10.91	47.41	-9.22	AV	L	Pass
4	0.466	44.15	10.91	56.58	-12.43	Peak	L	Pass
4**	0.466	31.50	10.91	46.58	-15.08	AV	L	Pass
5	4.874	43.73	10.69	56.00	-12.27	Peak	L	Pass
5**	4.874	29.89	10.69	46.00	-16.11	AV	L	Pass
6	26.656	46.58	10.54	60.00	-13.42	Peak	L	Pass
6**	26.656	29.02	10.54	50.00	-20.98	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	0.172	45.35	10.98	64.86	-19.51	Peak	N	Pass
1**	0.172	29.89	10.98	54.86	-24.97	AV	N	Pass
2	0.420	48.00	10.90	57.45	-9.45	Peak	N	Pass
2**	0.420	35.25	10.90	47.45	-12.20	AV	N	Pass
3	0.464	45.40	10.91	56.62	-11.22	Peak	N	Pass
3**	0.464	33.01	10.91	46.62	-13.61	AV	N	Pass
4	4.304	44.62	10.71	56.00	-11.38	Peak	N	Pass
4**	4.304	29.24	10.71	46.00	-16.76	AV	N	Pass
5	5.112	44.07	10.68	60.00	-15.93	Peak	N	Pass
5**	5.112	27.39	10.68	50.00	-22.61	AV	N	Pass
6	25.498	45.60	10.51	60.00	-14.40	Peak	N	Pass
6**	25.498	30.17	10.51	50.00	-19.83	AV	N	Pass

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

### Test Data

Note 1: The symbol of “--” in the table which means not application.

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

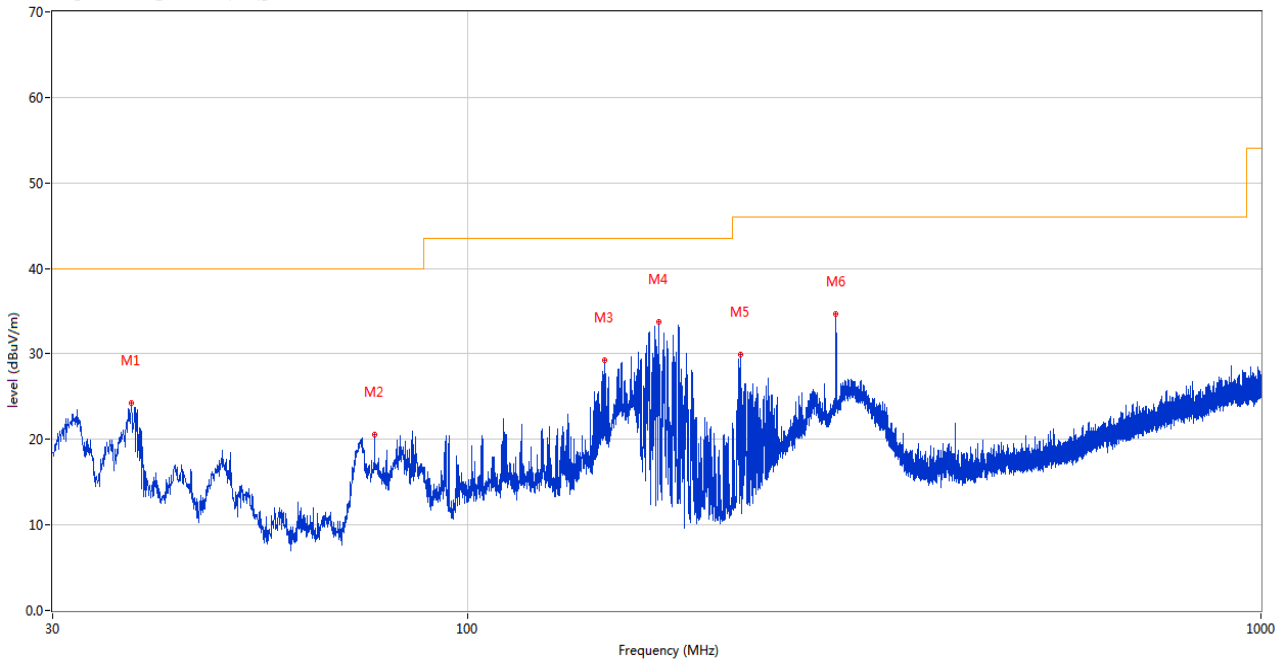
Note 3: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

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

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

### 30 MHz to 1 GHz, ANT H

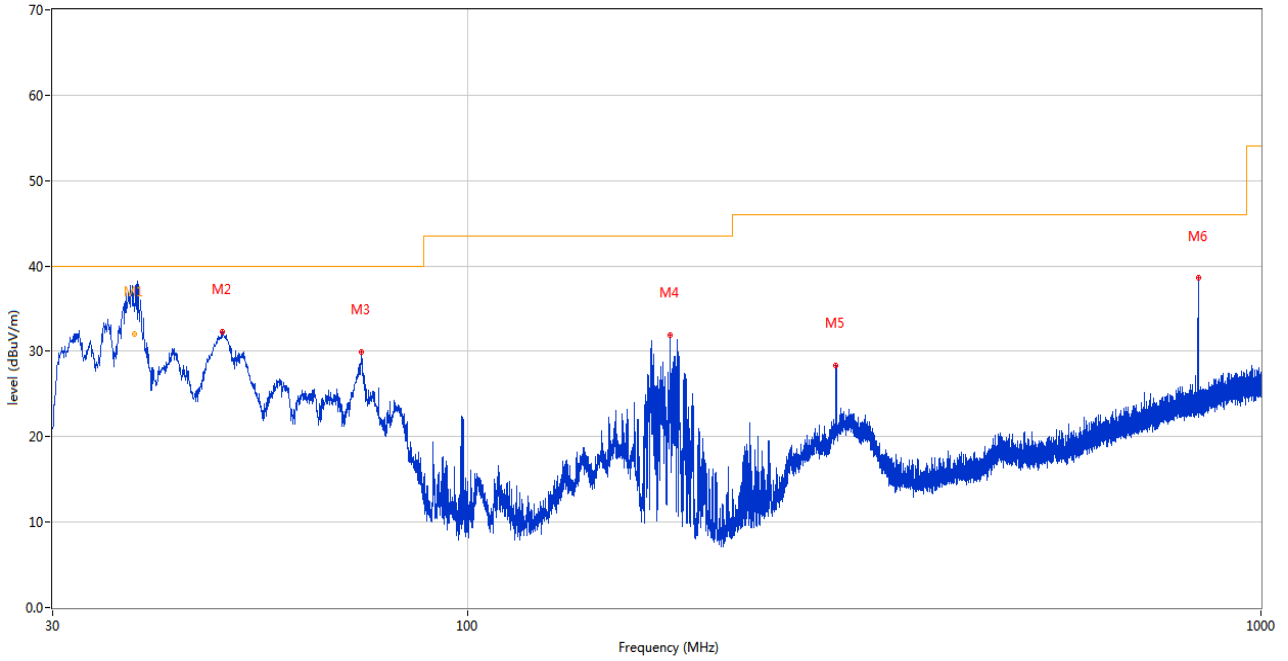
RE Test case\_FCC Part 15C\_FCC 15.247(2.4G)\_30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	37.663	24.27	-26.43	40.0	-15.73	Peak	321.00	100	Horizontal	Pass
2	76.414	20.56	-29.96	40.0	-19.44	Peak	0.00	200	Horizontal	Pass
3	149.019	29.30	-25.17	43.5	-14.20	Peak	324.00	200	Horizontal	Pass
4	174.433	33.75	-26.25	43.5	-9.75	Peak	109.00	200	Horizontal	Pass
5	220.848	29.89	-27.55	46.0	-16.11	Peak	81.00	100	Horizontal	Pass
6	291.512	34.71	-24.55	46.0	-11.29	Peak	81.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

RE Test case\_FCC Part 15C\_FCC 15.247(2.4G)\_30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	38.033	39.20	-26.37	40.0	-0.80	Peak	293.00	100	Vertical	N/A
1*	38.033	32.02	-26.37	40.0	-7.98	QP	293.00	100	Vertical	Pass
2	49.109	32.27	-26.63	40.0	-7.73	Peak	267.00	100	Vertical	Pass
3	73.553	29.88	-29.51	40.0	-10.12	Peak	15.00	100	Vertical	Pass
4	180.156	31.87	-26.99	43.5	-11.63	Peak	250.00	100	Vertical	Pass
5	291.512	28.30	-24.55	46.0	-17.70	Peak	181.00	200	Vertical	Pass
6	833.548	38.56	-12.90	46.0	-7.44	Peak	111.00	200	Vertical	Pass

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

Note 2: All antenna were tested, but only the worst case has been reported in this 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	1577.000	45.53	-15.19	68.2	-28.47	Peak	317.00	150	Horizontal	Pass
1**	1577.000	34.91	-15.19	54.0	-19.09	AV	317.00	150	Horizontal	Pass
2	4015.200	46.74	-4.08	68.2	-21.46	Peak	136.00	150	Horizontal	Pass
2**	4015.200	36.07	-4.08	54.0	-17.93	AV	136.00	150	Horizontal	Pass
3	4997.200	50.91	-0.89	68.2	-23.09	Peak	254.00	150	Horizontal	Pass
3**	4997.200	46.92	-0.89	54.0	-7.08	AV	254.00	150	Horizontal	Pass
4	5181.200	99.48	-0.58	--	--	Peak	37.00	150	Horizontal	N/A
4**	5181.200	94.47	-0.58	--	--	AV	37.00	150	Horizontal	N/A
5	11616.099	48.70	20.22	68.2	-19.50	Peak	284.00	150	Horizontal	Pass
5**	11616.099	37.13	20.22	54.0	-16.87	AV	284.00	150	Horizontal	Pass
6	15662.963	54.87	23.48	68.2	-13.33	Peak	204.00	150	Horizontal	Pass
6**	15662.963	42.52	23.48	54.0	-11.48	AV	204.00	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	1493.800	40.35	-15.10	68.2	-33.65	Peak	283.00	150	Vertical	Pass
1**	1493.800	30.24	-15.10	54.0	-23.76	AV	283.00	150	Vertical	Pass
2	3999.200	46.48	-4.51	68.2	-27.52	Peak	167.00	150	Vertical	Pass
2**	3999.200	34.93	-4.51	54.0	-19.07	AV	167.00	150	Vertical	Pass
3	4985.600	52.20	-1.23	68.2	-21.80	Peak	254.00	150	Vertical	Pass
3**	4985.600	38.08	-1.23	54.0	-15.92	AV	254.00	150	Vertical	Pass
4	5186.000	89.64	-0.68	--	--	Peak	276.00	150	Vertical	N/A
4**	5186.000	82.37	-0.68	--	--	AV	276.00	150	Vertical	N/A
5	11661.813	48.45	20.25	68.2	-25.55	Peak	128.00	150	Vertical	Pass
5**	11661.813	36.99	20.25	54.0	-17.01	AV	128.00	150	Vertical	Pass
6	15541.687	53.84	23.69	68.2	-20.16	Peak	144.00	150	Vertical	Pass
6**	15541.687	44.09	23.69	54.0	-9.91	AV	144.00	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	1571.900	44.93	-15.32	68.2	-23.27	Peak	304.00	150	Horizontal	Pass
1**	1571.900	35.64	-15.32	54.0	-18.36	AV	304.00	150	Horizontal	Pass
2	4042.400	47.21	-3.92	68.2	-20.99	Peak	293.00	150	Horizontal	Pass
2**	4042.400	37.32	-3.92	54.0	-16.68	AV	293.00	150	Horizontal	Pass
3	4992.200	55.37	-1.01	68.2	-12.83	Peak	265.00	150	Horizontal	Pass
3**	4992.200	42.19	-1.01	54.0	-11.81	AV	265.00	150	Horizontal	Pass
4	5216.600	101.59	-0.30	--	--	Peak	34.00	150	Horizontal	N/A
4**	5216.600	94.16	-0.30	--	--	AV	34.00	150	Horizontal	N/A
5	11616.099	49.03	20.22	68.2	-19.17	Peak	44.00	150	Horizontal	Pass
5**	11616.099	38.45	20.22	54.0	-15.55	AV	44.00	150	Horizontal	Pass
6	15640.125	56.54	23.56	68.2	-11.66	Peak	328.00	150	Horizontal	Pass
6**	15640.125	42.94	23.56	54.0	-11.06	AV	328.00	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	1564.500	39.86	-15.10	68.2	-34.14	Peak	285.00	150	Vertical	Pass
1**	1564.500	33.12	-15.10	54.0	-20.88	AV	285.00	150	Vertical	Pass
2	3978.600	46.31	-4.07	68.2	-21.89	Peak	334.00	150	Vertical	Pass
2**	3978.600	34.89	-4.07	54.0	-19.11	AV	334.00	150	Vertical	Pass
3	4997.800	52.94	-0.85	68.2	-15.26	Peak	87.00	150	Vertical	Pass
3**	4997.800	40.00	-0.85	54.0	-14.00	AV	87.00	150	Vertical	Pass
4	5219.200	91.79	-0.21	--	--	Peak	115.00	150	Vertical	N/A
4**	5219.200	84.98	-0.21	--	--	AV	115.00	150	Vertical	N/A
5	11334.925	49.31	18.14	68.2	-18.89	Peak	95.00	150	Vertical	Pass
5**	11334.925	36.19	18.14	54.0	-17.81	AV	95.00	150	Vertical	Pass
6	15690.000	53.82	23.58	68.2	-14.38	Peak	360.00	150	Vertical	Pass
6**	15690.000	43.08	23.58	54.0	-10.92	AV	360.00	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	1558.600	45.35	-15.06	68.2	-28.65	Peak	313.00	150	Horizontal	Pass
1**	1558.600	34.82	-15.06	54.0	-19.18	AV	313.00	150	Horizontal	Pass
2	3756.800	47.59	-4.35	68.2	-26.41	Peak	6.00	150	Horizontal	Pass
2**	3756.800	37.48	-4.35	54.0	-16.52	AV	6.00	150	Horizontal	Pass
3	4992.400	50.83	-1.01	68.2	-23.17	Peak	33.00	150	Horizontal	Pass
3**	4992.400	46.60	-1.01	54.0	-7.40	AV	33.00	150	Horizontal	Pass
4	5240.600	101.36	-0.96	--	--	Peak	33.00	150	Horizontal	N/A
4**	5240.600	94.91	-0.96	--	--	AV	33.00	150	Horizontal	N/A
5	11623.000	49.37	20.26	68.2	-24.63	Peak	322.00	150	Horizontal	Pass
5**	11623.000	36.95	20.26	54.0	-17.05	AV	322.00	150	Horizontal	Pass
6	15609.938	54.46	23.50	68.2	-13.74	Peak	63.00	150	Horizontal	Pass
6**	15609.938	42.97	23.50	54.0	-11.03	AV	63.00	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	1508.100	39.97	-15.05	68.2	-34.03	Peak	287.00	150	Vertical	Pass
1**	1508.100	31.95	-15.05	54.0	-22.05	AV	287.00	150	Vertical	Pass
2	4253.800	51.82	-3.10	68.2	-16.38	Peak	275.00	150	Vertical	Pass
2**	4253.800	41.47	-3.10	54.0	-12.53	AV	275.00	150	Vertical	Pass
3	4994.000	51.75	-1.06	68.2	-22.25	Peak	91.00	150	Vertical	Pass
3**	4994.000	38.73	-1.06	54.0	-15.27	AV	91.00	150	Vertical	Pass
4	5240.600	92.76	-0.96	--	--	Peak	275.00	150	Vertical	N/A
4**	5240.600	86.54	-0.96	--	--	AV	275.00	150	Vertical	N/A
5	11834.313	48.80	18.26	68.2	-25.20	Peak	301.00	150	Vertical	Pass
5**	11834.313	37.78	18.26	54.0	-16.22	AV	301.00	150	Vertical	Pass
6	15662.701	54.02	23.48	68.2	-19.98	Peak	29.00	150	Vertical	Pass
6**	15662.701	43.18	23.48	54.0	-10.82	AV	29.00	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	1510.600	45.18	-15.02	68.2	-28.82	Peak	240.00	150	Horizontal	Pass
1**	1510.600	35.20	-15.02	54.0	-18.80	AV	240.00	150	Horizontal	Pass
2	3994.600	46.38	-4.49	68.2	-27.62	Peak	321.00	150	Horizontal	Pass
2**	3994.600	35.36	-4.49	54.0	-18.64	AV	321.00	150	Horizontal	Pass
3	4991.800	54.35	-0.99	68.2	-19.65	Peak	17.00	150	Horizontal	Pass
3**	4991.800	47.17	-0.99	54.0	-6.83	AV	17.00	150	Horizontal	Pass
4	5181.400	99.24	-0.58	--	--	Peak	17.00	150	Horizontal	N/A
4**	5181.400	93.68	-0.58	--	--	AV	17.00	150	Horizontal	N/A
5	11643.125	49.27	20.37	68.2	-24.73	Peak	83.00	150	Horizontal	Pass
5**	11643.125	36.92	20.37	54.0	-17.08	AV	83.00	150	Horizontal	Pass
6	15941.213	54.70	23.91	68.2	-13.50	Peak	0.00	150	Horizontal	Pass
6**	15941.213	43.23	23.91	54.0	-10.77	AV	0.00	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	1508.600	43.76	-15.03	68.2	-30.24	Peak	274.00	150	Vertical	Pass
1**	1508.600	32.58	-15.03	54.0	-21.42	AV	274.00	150	Vertical	Pass
2	3781.200	47.39	-5.18	68.2	-26.61	Peak	360.00	150	Vertical	Pass
2**	3781.200	37.27	-5.18	54.0	-16.73	AV	360.00	150	Vertical	Pass
3	4980.800	52.07	-1.16	68.2	-21.93	Peak	129.00	150	Vertical	Pass
3**	4980.800	46.29	-1.16	54.0	-7.71	AV	129.00	150	Vertical	Pass
4	5182.800	90.91	-0.57	--	--	Peak	148.00	150	Vertical	N/A
4**	5182.800	84.59	-0.57	--	--	AV	148.00	150	Vertical	N/A
5	11544.225	48.64	19.65	68.2	-25.36	Peak	360.00	150	Vertical	Pass
5**	11544.225	37.52	19.65	54.0	-16.48	AV	360.00	150	Vertical	Pass
6	15943.312	54.72	23.92	68.2	-13.48	Peak	0.00	150	Vertical	Pass
6**	15943.312	42.77	23.92	54.0	-11.23	AV	0.00	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	1529.500	45.32	-15.12	68.2	-28.68	Peak	333.00	150	Horizontal	Pass
1**	1529.500	35.19	-15.12	54.0	-18.81	AV	333.00	150	Horizontal	Pass
2	3974.000	47.38	-4.16	68.2	-26.62	Peak	360.00	150	Horizontal	Pass
2**	3974.000	35.40	-4.16	54.0	-18.60	AV	360.00	150	Horizontal	Pass
3	4991.400	49.96	-1.01	68.2	-24.04	Peak	192.00	150	Horizontal	Pass
3**	4991.400	45.59	-1.01	54.0	-8.41	AV	192.00	150	Horizontal	Pass
4	5220.800	101.44	-0.34	--	--	Peak	16.00	150	Horizontal	N/A
4**	5220.800	95.65	-0.34	--	--	AV	16.00	150	Horizontal	N/A
5	11602.300	48.50	20.14	68.2	-25.50	Peak	137.00	150	Horizontal	Pass
5**	11602.300	37.61	20.14	54.0	-16.39	AV	137.00	150	Horizontal	Pass
6	15499.688	55.00	23.96	68.2	-13.20	Peak	47.00	150	Horizontal	Pass
6**	15499.688	43.91	23.96	54.0	-10.09	AV	47.00	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	1523.700	42.28	-14.95	68.2	-25.92	Peak	266.00	150	Vertical	Pass
1**	1523.700	33.67	-14.95	54.0	-20.33	AV	266.00	150	Vertical	Pass
2	3739.600	48.75	-5.30	68.2	-19.45	Peak	27.00	150	Vertical	Pass
2**	3739.600	38.39	-5.30	54.0	-15.61	AV	27.00	150	Vertical	Pass
3	4994.000	55.12	-1.06	68.2	-13.08	Peak	136.00	150	Vertical	Pass
3**	4994.000	45.93	-1.06	54.0	-8.07	AV	136.00	150	Vertical	Pass
4	5219.000	91.57	-0.20	--	--	Peak	107.00	150	Vertical	N/A
4**	5219.000	86.17	-0.20	--	--	AV	107.00	150	Vertical	N/A
5	11676.763	48.77	20.10	68.2	-19.43	Peak	291.00	150	Vertical	Pass
5**	11676.763	36.72	20.10	54.0	-17.28	AV	291.00	150	Vertical	Pass
6	16001.063	54.56	24.02	68.2	-13.64	Peak	102.00	150	Vertical	Pass
6**	16001.063	42.51	24.02	54.0	-11.49	AV	102.00	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	1513.500	45.39	-14.81	68.2	-28.61	Peak	333.00	150	Horizontal	Pass
1**	1513.500	35.41	-14.81	54.0	-18.59	AV	333.00	150	Horizontal	Pass
2	3993.600	46.75	-4.54	68.2	-27.25	Peak	353.00	150	Horizontal	Pass
2**	3993.600	35.88	-4.54	54.0	-18.12	AV	353.00	150	Horizontal	Pass
3	4992.000	50.66	-1.00	68.2	-23.34	Peak	303.00	150	Horizontal	Pass
3**	4992.000	44.97	-1.00	54.0	-9.03	AV	303.00	150	Horizontal	Pass
4	5237.800	101.30	-0.90	--	--	Peak	14.00	150	Horizontal	N/A
4**	5237.800	93.55	-0.90	--	--	AV	14.00	150	Horizontal	N/A
5	11796.938	49.53	18.57	68.2	-24.47	Peak	170.00	150	Horizontal	Pass
5**	11796.938	36.80	18.57	54.0	-17.20	AV	170.00	150	Horizontal	Pass
6	15641.700	54.65	23.56	68.2	-13.55	Peak	244.00	150	Horizontal	Pass
6**	15641.700	42.49	23.56	54.0	-11.51	AV	244.00	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	1527.600	42.70	-14.96	68.2	-31.30	Peak	259.00	150	Vertical	Pass
1**	1527.600	32.61	-14.96	54.0	-21.39	AV	259.00	150	Vertical	Pass
2	3974.200	47.41	-4.15	68.2	-20.79	Peak	96.00	150	Vertical	Pass
2**	3974.200	36.10	-4.15	54.0	-17.90	AV	96.00	150	Vertical	Pass
3	4989.800	53.63	-1.09	68.2	-20.37	Peak	125.00	150	Vertical	Pass
3**	4989.800	46.27	-1.09	54.0	-7.73	AV	125.00	150	Vertical	Pass
4	5241.200	90.21	-0.94	--	--	Peak	105.00	150	Vertical	N/A
4**	5241.200	84.82	-0.94	--	--	AV	105.00	150	Vertical	N/A
5	11626.450	49.42	20.28	68.2	-24.58	Peak	116.00	150	Vertical	Pass
5**	11626.450	36.71	20.28	54.0	-17.29	AV	116.00	150	Vertical	Pass
6	15951.188	54.85	23.95	68.2	-13.35	Peak	101.00	150	Vertical	Pass
6**	15951.188	42.82	23.95	54.0	-11.18	AV	101.00	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	1572.100	44.80	-15.33	68.2	-29.20	Peak	327.00	150	Horizontal	Pass
1**	1572.100	35.84	-15.33	54.0	-18.16	AV	327.00	150	Horizontal	Pass
2	3979.800	46.50	-4.04	68.2	-27.50	Peak	0.00	150	Horizontal	Pass
2**	3979.800	34.75	-4.04	54.0	-19.25	AV	0.00	150	Horizontal	Pass
3	4978.200	49.53	-1.33	68.2	-24.47	Peak	195.00	150	Horizontal	Pass
3**	4978.200	44.60	-1.33	54.0	-9.40	AV	195.00	150	Horizontal	Pass
4	5192.400	95.99	-0.66	--	--	Peak	25.00	150	Horizontal	N/A
4**	5192.400	90.33	-0.66	--	--	AV	25.00	150	Horizontal	N/A
5	11497.075	48.61	19.14	68.2	-25.39	Peak	74.00	150	Horizontal	Pass
5**	11497.075	36.06	19.14	54.0	-17.94	AV	74.00	150	Horizontal	Pass
6	15595.763	53.56	23.56	68.2	-14.64	Peak	78.00	150	Horizontal	Pass
6**	15595.763	43.86	23.56	54.0	-10.14	AV	78.00	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	1494.900	42.44	-15.04	68.2	-31.56	Peak	263.00	150	Vertical	Pass
1**	1494.900	33.04	-15.04	54.0	-20.96	AV	263.00	150	Vertical	Pass
2	3986.000	47.45	-4.33	68.2	-26.55	Peak	67.00	150	Vertical	Pass
2**	3986.000	36.53	-4.33	54.0	-17.47	AV	67.00	150	Vertical	Pass
3	4994.000	52.29	-1.06	68.2	-21.71	Peak	136.00	150	Vertical	Pass
3**	4994.000	45.58	-1.06	54.0	-8.42	AV	136.00	150	Vertical	Pass
4	5191.800	86.62	-0.69	--	--	Peak	148.00	150	Vertical	N/A
4**	5191.800	78.89	-0.69	--	--	AV	148.00	150	Vertical	N/A
5	11571.537	48.93	19.84	68.2	-19.27	Peak	236.00	150	Vertical	Pass
5**	11571.537	37.06	19.84	54.0	-16.94	AV	236.00	150	Vertical	Pass
6	15679.500	54.22	23.59	68.2	-13.98	Peak	114.00	150	Vertical	Pass
6**	15679.500	42.58	23.59	54.0	-11.42	AV	114.00	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	1550.200	45.17	-15.18	68.2	-23.03	Peak	327.00	150	Horizontal	Pass
1**	1550.200	36.38	-15.18	54.0	-17.62	AV	327.00	150	Horizontal	Pass
2	3776.400	46.32	-5.00	68.2	-21.88	Peak	209.00	150	Horizontal	Pass
2**	3776.400	35.80	-5.00	54.0	-18.20	AV	209.00	150	Horizontal	Pass
3	4996.600	53.67	-0.93	68.2	-14.53	Peak	9.00	150	Horizontal	Pass
3**	4996.600	41.69	-0.93	54.0	-12.31	AV	9.00	150	Horizontal	Pass
4	5233.200	98.47	-0.65	--	--	Peak	30.00	150	Horizontal	N/A
4**	5233.200	92.55	-0.65	--	--	AV	30.00	150	Horizontal	N/A
5	11768.188	49.00	18.79	68.2	-19.20	Peak	0.00	150	Horizontal	Pass
5**	11768.188	36.72	18.79	54.0	-17.28	AV	0.00	150	Horizontal	Pass
6	15622.013	54.21	23.46	68.2	-13.99	Peak	157.00	150	Horizontal	Pass
6**	15622.013	42.83	23.46	54.0	-11.17	AV	157.00	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	1504.600	43.59	-15.07	68.2	-24.61	Peak	262.00	150	Vertical	Pass
1**	1504.600	34.13	-15.07	54.0	-19.87	AV	262.00	150	Vertical	Pass
2	3873.400	46.86	-5.26	68.2	-21.34	Peak	41.00	150	Vertical	Pass
2**	3873.400	37.38	-5.26	54.0	-16.62	AV	41.00	150	Vertical	Pass
3	4999.000	53.37	-0.88	68.2	-14.83	Peak	360.00	150	Vertical	Pass
3**	4999.000	41.91	-0.88	54.0	-12.09	AV	360.00	150	Vertical	Pass
4	5228.800	87.66	-0.49	--	--	Peak	104.00	150	Vertical	N/A
4**	5228.800	79.87	-0.49	--	--	AV	104.00	150	Vertical	N/A
5	11558.313	48.84	19.76	68.2	-19.36	Peak	283.00	150	Vertical	Pass
5**	11558.313	37.44	19.76	54.0	-16.56	AV	283.00	150	Vertical	Pass
6	15542.475	54.87	23.68	68.2	-13.33	Peak	307.00	150	Vertical	Pass
6**	15542.475	42.71	23.68	54.0	-11.29	AV	307.00	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	1521.300	45.99	-14.92	68.2	-28.01	Peak	329.00	150	Horizontal	Pass
1**	1521.300	34.92	-14.92	54.0	-19.08	AV	329.00	150	Horizontal	Pass
2	4021.600	46.79	-4.04	68.2	-27.21	Peak	289.00	150	Horizontal	Pass
2**	4021.600	35.20	-4.04	54.0	-18.80	AV	289.00	150	Horizontal	Pass
3	4994.400	50.10	-1.04	68.2	-23.90	Peak	329.00	150	Horizontal	Pass
3**	4994.400	43.99	-1.04	54.0	-10.01	AV	329.00	150	Horizontal	Pass
4	5181.400	100.14	-0.58	--	--	Peak	19.00	150	Horizontal	N/A
4**	5181.400	94.29	-0.58	--	--	AV	19.00	150	Horizontal	N/A
5	11497.362	48.61	19.14	68.2	-19.59	Peak	351.00	150	Horizontal	Pass
5**	11497.362	35.99	19.14	54.0	-18.01	AV	351.00	150	Horizontal	Pass
6	15925.987	54.77	23.72	68.2	-13.43	Peak	360.00	150	Horizontal	Pass
6**	15925.987	41.82	23.72	54.0	-12.18	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	1510.800	42.70	-15.02	68.2	-31.30	Peak	306.00	150	Vertical	Pass
1**	1510.800	35.20	-15.02	54.0	-18.80	AV	306.00	150	Vertical	Pass
2	3764.800	48.01	-4.45	68.2	-20.19	Peak	245.00	150	Vertical	Pass
2**	3764.800	38.65	-4.45	54.0	-15.35	AV	245.00	150	Vertical	Pass
3	4980.800	50.12	-1.16	68.2	-23.88	Peak	350.00	150	Vertical	Pass
3**	4980.800	45.55	-1.16	54.0	-8.45	AV	350.00	150	Vertical	Pass
4	5184.200	90.45	-0.63	--	--	Peak	149.00	150	Vertical	N/A
4**	5184.200	82.67	-0.63	--	--	AV	149.00	150	Vertical	N/A
5	11016.088	48.44	18.95	68.2	-25.56	Peak	38.00	150	Vertical	Pass
5**	11016.088	36.96	18.95	54.0	-17.04	AV	38.00	150	Vertical	Pass
6	15625.687	53.83	23.48	68.2	-20.17	Peak	0.00	150	Vertical	Pass
6**	15625.687	42.86	23.48	54.0	-11.14	AV	0.00	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	1517.800	45.03	-15.00	68.2	-28.97	Peak	332.00	150	Horizontal	Pass
1**	1517.800	35.85	-15.00	54.0	-18.15	AV	332.00	150	Horizontal	Pass
2	4001.400	46.56	-4.56	68.2	-27.44	Peak	360.00	150	Horizontal	Pass
2**	4001.400	36.39	-4.56	54.0	-17.61	AV	360.00	150	Horizontal	Pass
3	4994.400	51.40	-1.04	68.2	-22.60	Peak	193.00	150	Horizontal	Pass
3**	4994.400	45.32	-1.04	54.0	-8.68	AV	193.00	150	Horizontal	Pass
4	5221.000	101.39	-0.36	--	--	Peak	20.00	150	Horizontal	N/A
4**	5221.000	95.62	-0.36	--	--	AV	20.00	150	Horizontal	N/A
5	11606.038	49.08	20.16	68.2	-19.12	Peak	68.00	150	Horizontal	Pass
5**	11606.038	37.03	20.16	54.0	-16.97	AV	68.00	150	Horizontal	Pass
6	15824.400	53.68	23.31	68.2	-14.52	Peak	27.00	150	Horizontal	Pass
6**	15824.400	43.44	23.31	54.0	-10.56	AV	27.00	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	1495.900	42.65	-14.98	68.2	-31.35	Peak	253.00	150	Vertical	Pass
1**	1495.900	33.98	-14.98	54.0	-20.02	AV	253.00	150	Vertical	Pass
2	4267.200	50.04	-3.28	68.2	-18.16	Peak	247.00	150	Vertical	Pass
2**	4267.200	35.87	-3.28	54.0	-18.13	AV	247.00	150	Vertical	Pass
3	4995.800	54.15	-0.98	68.2	-14.05	Peak	286.00	150	Vertical	Pass
3**	4995.800	42.75	-0.98	54.0	-11.25	AV	286.00	150	Vertical	Pass
4	5221.200	92.82	-0.37	--	--	Peak	149.00	150	Vertical	N/A
4**	5221.200	85.63	-0.37	--	--	AV	149.00	150	Vertical	N/A
5	12150.563	49.21	19.92	68.2	-18.99	Peak	37.00	150	Vertical	Pass
5**	12150.563	39.03	19.92	54.0	-14.97	AV	37.00	150	Vertical	Pass
6	15635.662	54.39	23.54	68.2	-13.81	Peak	145.00	150	Vertical	Pass
6**	15635.662	42.27	23.54	54.0	-11.73	AV	145.00	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	1497.600	45.17	-15.10	68.2	-28.83	Peak	74.00	150	Horizontal	Pass
1**	1497.600	35.56	-15.10	54.0	-18.44	AV	74.00	150	Horizontal	Pass
2	3731.400	46.52	-5.66	68.2	-27.48	Peak	201.00	150	Horizontal	Pass
2**	3731.400	35.01	-5.66	54.0	-18.99	AV	201.00	150	Horizontal	Pass
3	4998.400	50.65	-0.84	68.2	-23.35	Peak	267.00	150	Horizontal	Pass
3**	4998.400	44.72	-0.84	54.0	-9.28	AV	267.00	150	Horizontal	Pass
4	5241.400	101.72	-0.94	--	--	Peak	26.00	150	Horizontal	N/A
4**	5241.400	96.54	-0.94	--	--	AV	26.00	150	Horizontal	N/A
5	11618.975	48.28	20.23	68.2	-19.92	Peak	113.00	150	Horizontal	Pass
5**	11618.975	37.31	20.23	54.0	-16.69	AV	113.00	150	Horizontal	Pass
6	15551.925	54.57	23.60	68.2	-13.63	Peak	256.00	150	Horizontal	Pass
6**	15551.925	42.81	23.60	54.0	-11.19	AV	256.00	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	1507.400	42.74	-15.09	68.2	-31.26	Peak	300.00	150	Vertical	Pass
1**	1507.400	32.26	-15.09	54.0	-21.74	AV	300.00	150	Vertical	Pass
2	3825.800	47.78	-5.29	68.2	-20.42	Peak	19.00	150	Vertical	Pass
2**	3825.800	37.76	-5.29	54.0	-16.24	AV	19.00	150	Vertical	Pass
3	4993.800	51.47	-1.06	68.2	-22.53	Peak	130.00	150	Vertical	Pass
3**	4993.800	46.43	-1.06	54.0	-7.57	AV	130.00	150	Vertical	Pass
4	5241.400	91.69	-0.94	--	--	Peak	100.00	150	Vertical	N/A
4**	5241.400	84.17	-0.94	--	--	AV	100.00	150	Vertical	N/A
5	11639.963	49.25	20.36	68.2	-24.75	Peak	282.00	150	Vertical	Pass
5**	11639.963	37.30	20.36	54.0	-16.70	AV	282.00	150	Vertical	Pass
6	15626.738	53.89	23.49	68.2	-14.31	Peak	348.00	150	Vertical	Pass
6**	15626.738	43.03	23.49	54.0	-10.97	AV	348.00	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	1569.800	48.49	-15.29	68.2	-25.51	Peak	330.00	150	Horizontal	Pass
1**	1569.800	36.51	-15.29	54.0	-17.49	AV	330.00	150	Horizontal	Pass
2	4058.400	46.49	-3.97	68.2	-27.51	Peak	0.00	150	Horizontal	Pass
2**	4058.400	35.46	-3.97	54.0	-18.54	AV	0.00	150	Horizontal	Pass
3	4990.600	51.16	-1.05	68.2	-22.84	Peak	17.00	150	Horizontal	Pass
3**	4990.600	45.43	-1.05	54.0	-8.57	AV	17.00	150	Horizontal	Pass
4	5184.800	96.65	-0.65	--	--	Peak	28.00	150	Horizontal	N/A
4**	5184.800	89.95	-0.65	--	--	AV	28.00	150	Horizontal	N/A
5	11631.625	49.14	20.31	68.2	-24.86	Peak	41.00	150	Horizontal	Pass
5**	11631.625	36.41	20.31	54.0	-17.59	AV	41.00	150	Horizontal	Pass
6	15837.525	55.13	23.42	68.2	-13.07	Peak	0.00	150	Horizontal	Pass
6**	15837.525	41.71	23.42	54.0	-12.29	AV	0.00	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	1511.900	42.56	-14.91	68.2	-31.44	Peak	293.00	150	Vertical	Pass
1**	1511.900	33.42	-14.91	54.0	-20.58	AV	293.00	150	Vertical	Pass
2	3768.400	47.89	-4.47	68.2	-26.11	Peak	0.00	150	Vertical	Pass
2**	3768.400	37.88	-4.47	54.0	-16.12	AV	0.00	150	Vertical	Pass
3	4994.600	53.25	-1.03	68.2	-20.75	Peak	0.00	150	Vertical	Pass
3**	4994.600	45.29	-1.03	54.0	-8.71	AV	0.00	150	Vertical	Pass
4	5185.400	87.54	-0.67	--	--	Peak	140.00	150	Vertical	N/A
4**	5185.400	79.93	-0.67	--	--	AV	140.00	150	Vertical	N/A
5	11688.549	48.16	19.96	68.2	-20.04	Peak	98.00	150	Vertical	Pass
5**	11688.549	37.79	19.96	54.0	-16.21	AV	98.00	150	Vertical	Pass
6	15631.462	53.78	23.51	68.2	-14.42	Peak	55.00	150	Vertical	Pass
6**	15631.462	42.74	23.51	54.0	-11.26	AV	55.00	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	1497.400	45.02	-15.08	68.2	-28.98	Peak	71.00	150	Horizontal	Pass
1**	1497.400	35.60	-15.08	54.0	-18.40	AV	71.00	150	Horizontal	Pass
2	4008.400	47.00	-4.50	68.2	-27.00	Peak	251.00	150	Horizontal	Pass
2**	4008.400	35.40	-4.50	54.0	-18.60	AV	251.00	150	Horizontal	Pass
3	4993.800	53.98	-1.06	68.2	-14.22	Peak	195.00	150	Horizontal	Pass
3**	4993.800	42.00	-1.06	54.0	-12.00	AV	195.00	150	Horizontal	Pass
4	5231.600	99.15	-0.51	--	--	Peak	23.00	150	Horizontal	N/A
4**	5231.600	92.60	-0.51	--	--	AV	23.00	150	Horizontal	N/A
5	11647.725	48.43	20.39	68.2	-19.77	Peak	73.00	150	Horizontal	Pass
5**	11647.725	37.02	20.39	54.0	-16.98	AV	73.00	150	Horizontal	Pass
6	15656.138	54.67	23.48	68.2	-13.53	Peak	270.00	150	Horizontal	Pass
6**	15656.138	42.43	23.48	54.0	-11.57	AV	270.00	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	1498.200	43.47	-15.15	68.2	-30.53	Peak	259.00	150	Vertical	Pass
1**	1498.200	34.10	-15.15	54.0	-19.90	AV	259.00	150	Vertical	Pass
2	3763.800	48.07	-4.47	68.2	-20.13	Peak	360.00	150	Vertical	Pass
2**	3763.800	37.86	-4.47	54.0	-16.14	AV	360.00	150	Vertical	Pass
3	4979.600	52.02	-1.27	68.2	-21.98	Peak	214.00	150	Vertical	Pass
3**	4979.600	45.76	-1.27	54.0	-8.24	AV	214.00	150	Vertical	Pass
4	5218.000	88.36	-0.25	--	--	Peak	149.00	150	Vertical	N/A
4**	5218.000	81.57	-0.25	--	--	AV	149.00	150	Vertical	N/A
5	11761.863	48.95	18.83	68.2	-25.05	Peak	238.00	150	Vertical	Pass
5**	11761.863	38.48	18.83	54.0	-15.52	AV	238.00	150	Vertical	Pass
6	15601.275	53.88	23.54	68.2	-14.32	Peak	188.00	150	Vertical	Pass
6**	15601.275	43.31	23.54	54.0	-10.69	AV	188.00	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	1514.400	45.43	-14.90	68.2	-22.77	Peak	336.00	150	Horizontal	Pass
1**	1514.400	35.05	-14.90	54.0	-18.95	AV	336.00	150	Horizontal	Pass
2	3969.600	46.36	-4.17	68.2	-21.84	Peak	360.00	150	Horizontal	Pass
2**	3969.600	35.61	-4.17	54.0	-18.39	AV	360.00	150	Horizontal	Pass
3	4997.800	54.69	-0.85	68.2	-13.51	Peak	189.00	150	Horizontal	Pass
3**	4997.800	44.52	-0.85	54.0	-9.48	AV	189.00	150	Horizontal	Pass
4	5211.800	96.07	-0.49	--	--	Peak	26.00	150	Horizontal	N/A
4**	5211.800	88.47	-0.49	--	--	AV	26.00	150	Horizontal	N/A
5	11838.338	49.02	18.22	68.2	-19.18	Peak	298.00	150	Horizontal	Pass
5**	11838.338	37.40	18.22	54.0	-16.60	AV	298.00	150	Horizontal	Pass
6	15605.474	54.18	23.52	68.2	-14.02	Peak	81.00	150	Horizontal	Pass
6**	15605.474	43.48	23.52	54.0	-10.52	AV	81.00	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	1491.300	40.62	-15.13	68.2	-33.38	Peak	255.00	150	Vertical	Pass
1**	1491.300	31.93	-15.13	54.0	-22.07	AV	255.00	150	Vertical	Pass
2	4254.000	51.74	-3.09	68.2	-22.26	Peak	248.00	150	Vertical	Pass
2**	4254.000	35.45	-3.09	54.0	-18.55	AV	248.00	150	Vertical	Pass
3	4994.600	51.49	-1.03	68.2	-22.51	Peak	210.00	150	Vertical	Pass
3**	4994.600	46.08	-1.03	54.0	-7.92	AV	210.00	150	Vertical	Pass
4	5213.000	85.86	-0.47	--	--	Peak	141.00	150	Vertical	N/A
4**	5213.000	78.23	-0.47	--	--	AV	141.00	150	Vertical	N/A
5	11158.974	48.32	18.57	68.2	-25.68	Peak	121.00	150	Vertical	Pass
5**	11158.974	36.97	18.57	54.0	-17.03	AV	121.00	150	Vertical	Pass
6	15521.738	54.94	23.77	68.2	-13.26	Peak	86.00	150	Vertical	Pass
6**	15521.738	42.32	23.77	54.0	-11.68	AV	86.00	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	1481.200	45.29	-15.17	68.2	-22.91	Peak	333.00	150	Horizontal	Pass
1**	1481.200	35.94	-15.17	54.0	-18.06	AV	333.00	150	Horizontal	Pass
2	4008.200	46.50	-4.49	68.2	-21.70	Peak	233.00	150	Horizontal	Pass
2**	4008.200	34.93	-4.49	54.0	-19.07	AV	233.00	150	Horizontal	Pass
3	4991.200	50.08	-1.02	68.2	-18.12	Peak	252.00	150	Horizontal	Pass
3**	4991.200	46.21	-1.02	54.0	-7.79	AV	252.00	150	Horizontal	Pass
4	5261.200	100.44	-1.05	--	--	Peak	21.00	150	Horizontal	N/A
4**	5261.200	94.11	-1.05	--	--	AV	21.00	150	Horizontal	N/A
5	11621.850	49.05	20.25	68.2	-19.15	Peak	55.00	150	Horizontal	Pass
5**	11621.850	37.03	20.25	54.0	-16.97	AV	55.00	150	Horizontal	Pass
6	15504.675	54.30	23.92	68.2	-13.90	Peak	349.00	150	Horizontal	Pass
6**	15504.675	43.23	23.92	54.0	-10.77	AV	349.00	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	1533.100	42.02	-15.00	68.2	-26.18	Peak	266.00	150	Vertical	Pass
1**	1533.100	32.30	-15.00	54.0	-21.70	AV	266.00	150	Vertical	Pass
2	4245.000	52.45	-3.27	68.2	-15.75	Peak	250.00	150	Vertical	Pass
2**	4245.000	39.88	-3.27	54.0	-14.12	AV	250.00	150	Vertical	Pass
3	4997.600	54.41	-0.86	68.2	-13.79	Peak	135.00	150	Vertical	Pass
3**	4997.600	44.62	-0.86	54.0	-9.38	AV	135.00	150	Vertical	Pass
4	5265.400	90.71	-0.74	--	--	Peak	148.00	150	Vertical	N/A
4**	5265.400	83.67	-0.74	--	--	AV	148.00	150	Vertical	N/A
5	11823.388	48.84	18.36	68.2	-19.36	Peak	299.00	150	Vertical	Pass
5**	11823.388	37.96	18.36	54.0	-16.04	AV	299.00	150	Vertical	Pass
6	15497.588	54.80	23.93	68.2	-13.40	Peak	25.00	150	Vertical	Pass
6**	15497.588	42.65	23.93	54.0	-11.35	AV	25.00	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	1533.000	44.39	-15.01	68.2	-29.61	Peak	330.00	150	Horizontal	Pass
1**	1533.000	34.31	-15.01	54.0	-19.69	AV	330.00	150	Horizontal	Pass
2	4007.200	46.35	-4.52	68.2	-27.65	Peak	105.00	150	Horizontal	Pass
2**	4007.200	35.07	-4.52	54.0	-18.93	AV	105.00	150	Horizontal	Pass
3	4996.200	54.26	-0.96	68.2	-13.94	Peak	189.00	150	Horizontal	Pass
3**	4996.200	43.25	-0.96	54.0	-10.75	AV	189.00	150	Horizontal	Pass
4	5295.400	102.26	0.15	--	--	Peak	18.00	150	Horizontal	N/A
4**	5295.400	94.20	0.15	--	--	AV	18.00	150	Horizontal	N/A
5	11639.963	48.46	20.36	68.2	-19.74	Peak	321.00	150	Horizontal	Pass
5**	11639.963	37.80	20.36	54.0	-16.20	AV	321.00	150	Horizontal	Pass
6	15939.900	55.11	23.90	68.2	-13.09	Peak	11.00	150	Horizontal	Pass
6**	15939.900	42.93	23.90	54.0	-11.07	AV	11.00	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	1497.200	41.89	-15.07	68.2	-26.31	Peak	361.00	150	Vertical	Pass
1**	1497.200	33.84	-15.07	54.0	-20.16	AV	361.00	150	Vertical	Pass
2	3950.000	47.31	-4.68	68.2	-20.89	Peak	251.00	150	Vertical	Pass
2**	3950.000	36.05	-4.68	54.0	-17.95	AV	251.00	150	Vertical	Pass
3	4991.000	54.39	-1.03	68.2	-13.81	Peak	136.00	150	Vertical	Pass
3**	4991.000	43.57	-1.03	54.0	-10.43	AV	136.00	150	Vertical	Pass
4	5295.200	92.19	0.13	--	--	Peak	105.00	150	Vertical	N/A
4**	5295.200	88.48	0.13	--	--	AV	105.00	150	Vertical	N/A
5	11633.350	49.27	20.32	68.2	-18.93	Peak	230.00	150	Vertical	Pass
5**	11633.350	38.70	20.32	54.0	-15.30	AV	230.00	150	Vertical	Pass
6	15947.775	55.22	23.94	68.2	-12.98	Peak	287.00	150	Vertical	Pass
6**	15947.775	42.91	23.94	54.0	-11.09	AV	287.00	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	1579.400	46.70	-15.26	68.2	-21.50	Peak	329.00	150	Horizontal	Pass
1**	1579.400	37.17	-15.26	54.0	-16.83	AV	329.00	150	Horizontal	Pass
2	3868.400	47.10	-5.25	68.2	-21.10	Peak	270.00	150	Horizontal	Pass
2**	3868.400	33.62	-5.25	54.0	-20.38	AV	270.00	150	Horizontal	Pass
3	4993.200	54.16	-1.04	68.2	-14.04	Peak	186.00	150	Horizontal	Pass
3**	4993.200	40.67	-1.04	54.0	-13.33	AV	186.00	150	Horizontal	Pass
4	5319.000	102.56	0.15	--	--	Peak	17.00	150	Horizontal	N/A
4**	5319.000	95.53	0.15	--	--	AV	17.00	150	Horizontal	N/A
5	11689.125	49.35	19.96	68.2	-18.85	Peak	327.00	150	Horizontal	Pass
5**	11689.125	37.31	19.96	54.0	-16.69	AV	327.00	150	Horizontal	Pass
6	15508.350	54.44	23.89	68.2	-13.76	Peak	113.00	150	Horizontal	Pass
6**	15508.350	42.75	23.89	54.0	-11.25	AV	113.00	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	1498.900	42.08	-15.17	68.2	-31.92	Peak	259.00	150	Vertical	Pass
1**	1498.900	34.43	-15.17	54.0	-19.57	AV	259.00	150	Vertical	Pass
2	3766.800	48.11	-4.42	68.2	-25.89	Peak	356.00	150	Vertical	Pass
2**	3766.800	37.32	-4.42	54.0	-16.68	AV	356.00	150	Vertical	Pass
3	4978.600	50.02	-1.32	68.2	-23.98	Peak	0.00	150	Vertical	Pass
3**	4978.600	45.82	-1.32	54.0	-8.18	AV	0.00	150	Vertical	Pass
4	5315.600	91.88	0.02	--	--	Peak	104.00	150	Vertical	N/A
4**	5315.600	84.76	0.02	--	--	AV	104.00	150	Vertical	N/A
5	11572.688	49.26	19.85	68.2	-24.74	Peak	10.00	150	Vertical	Pass
5**	11572.688	36.49	19.85	54.0	-17.51	AV	10.00	150	Vertical	Pass
6	15618.862	54.39	23.45	68.2	-19.61	Peak	225.00	150	Vertical	Pass
6**	15618.862	42.61	23.45	54.0	-11.39	AV	225.00	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	1523.100	45.13	-14.94	68.2	-23.07	Peak	331.00	150	Horizontal	Pass
1**	1523.100	35.22	-14.94	54.0	-18.78	AV	331.00	150	Horizontal	Pass
2	3978.000	46.49	-4.08	68.2	-21.71	Peak	97.00	150	Horizontal	Pass
2**	3978.000	34.84	-4.08	54.0	-19.16	AV	97.00	150	Horizontal	Pass
3	4990.400	53.98	-1.06	68.2	-14.22	Peak	191.00	150	Horizontal	Pass
3**	4990.400	40.70	-1.06	54.0	-13.30	AV	191.00	150	Horizontal	Pass
4	5260.800	100.89	-1.05	--	--	Peak	24.00	150	Horizontal	N/A
4**	5260.800	94.00	-1.05	--	--	AV	24.00	150	Horizontal	N/A
5	11350.737	48.27	18.23	68.2	-19.93	Peak	282.00	150	Horizontal	Pass
5**	11350.737	35.84	18.23	54.0	-18.16	AV	282.00	150	Horizontal	Pass
6	15883.987	54.06	23.33	68.2	-14.14	Peak	17.00	150	Horizontal	Pass
6**	15883.987	43.00	23.33	54.0	-11.00	AV	17.00	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	1515.900	42.29	-14.99	68.2	-31.71	Peak	298.00	150	Vertical	Pass
1**	1515.900	32.38	-14.99	54.0	-21.62	AV	298.00	150	Vertical	Pass
2	3762.200	48.35	-4.53	68.2	-25.65	Peak	269.00	150	Vertical	Pass
2**	3762.200	37.66	-4.53	54.0	-16.34	AV	269.00	150	Vertical	Pass
3	4998.600	52.07	-0.85	68.2	-21.93	Peak	217.00	150	Vertical	Pass
3**	4998.600	45.71	-0.85	54.0	-8.29	AV	217.00	150	Vertical	Pass
4	5260.800	91.85	-1.05	--	--	Peak	144.00	150	Vertical	N/A
4**	5260.800	85.05	-1.05	--	--	AV	144.00	150	Vertical	N/A
5	11559.175	48.71	19.77	68.2	-25.29	Peak	332.00	150	Vertical	Pass
5**	11559.175	36.49	19.77	54.0	-17.51	AV	332.00	150	Vertical	Pass
6	15719.400	53.87	23.46	68.2	-14.33	Peak	29.00	150	Vertical	Pass
6**	15719.400	42.18	23.46	54.0	-11.82	AV	29.00	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	1537.500	44.95	-14.87	68.2	-29.05	Peak	330.00	150	Horizontal	Pass
1**	1537.500	36.60	-14.87	54.0	-17.40	AV	330.00	150	Horizontal	Pass
2	3968.200	46.48	-4.16	68.2	-27.52	Peak	169.00	150	Horizontal	Pass
2**	3968.200	34.81	-4.16	54.0	-19.19	AV	169.00	150	Horizontal	Pass
3	4996.000	49.96	-0.97	68.2	-24.04	Peak	189.00	150	Horizontal	Pass
3**	4996.000	46.22	-0.97	54.0	-7.78	AV	189.00	150	Horizontal	Pass
4	5300.800	103.12	0.28	--	--	Peak	18.00	150	Horizontal	N/A
4**	5300.800	96.97	0.28	--	--	AV	18.00	150	Horizontal	N/A
5	11922.000	49.05	18.13	68.2	-24.95	Peak	79.00	150	Horizontal	Pass
5**	11922.000	37.22	18.13	54.0	-16.78	AV	79.00	150	Horizontal	Pass
6	15624.901	54.27	23.48	68.2	-13.93	Peak	96.00	150	Horizontal	Pass
6**	15624.901	42.64	23.48	54.0	-11.36	AV	96.00	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	1510.000	41.99	-15.02	68.2	-32.01	Peak	254.00	150	Vertical	Pass
1**	1510.000	32.74	-15.02	54.0	-21.26	AV	254.00	150	Vertical	Pass
2	4241.400	50.31	-3.36	68.2	-23.69	Peak	224.00	150	Vertical	Pass
2**	4241.400	37.05	-3.36	54.0	-16.95	AV	224.00	150	Vertical	Pass
3	4997.400	52.24	-0.88	68.2	-21.76	Peak	212.00	150	Vertical	Pass
3**	4997.400	46.47	-0.88	54.0	-7.53	AV	212.00	150	Vertical	Pass
4	5301.200	92.98	0.28	--	--	Peak	103.00	150	Vertical	N/A
4**	5301.200	87.06	0.28	--	--	AV	103.00	150	Vertical	N/A
5	11800.963	48.94	18.54	68.2	-19.26	Peak	9.00	150	Vertical	Pass
5**	11800.963	37.00	18.54	54.0	-17.00	AV	9.00	150	Vertical	Pass
6	15669.526	53.69	23.52	68.2	-14.51	Peak	73.00	150	Vertical	Pass
6**	15669.526	41.95	23.52	54.0	-12.05	AV	73.00	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	1566.700	47.08	-15.18	68.2	-26.92	Peak	340.00	150	Horizontal	Pass
1**	1566.700	38.26	-15.18	54.0	-15.74	AV	340.00	150	Horizontal	Pass
2	4016.600	47.19	-4.09	68.2	-26.81	Peak	27.00	150	Horizontal	Pass
2**	4016.600	38.81	-4.09	54.0	-15.19	AV	27.00	150	Horizontal	Pass
3	4996.600	51.89	-0.93	68.2	-22.11	Peak	200.00	150	Horizontal	Pass
3**	4996.600	46.99	-0.93	54.0	-7.01	AV	200.00	150	Horizontal	Pass
4	5320.800	102.33	-0.08	--	--	Peak	17.00	150	Horizontal	N/A
4**	5320.800	96.10	-0.08	--	--	AV	17.00	150	Horizontal	N/A
5	11657.500	47.94	20.30	68.2	-20.26	Peak	360.00	150	Horizontal	Pass
5**	11657.500	37.28	20.30	54.0	-16.72	AV	360.00	150	Horizontal	Pass
6	15614.401	53.64	23.48	68.2	-14.56	Peak	193.00	150	Horizontal	Pass
6**	15614.401	42.87	23.48	54.0	-11.13	AV	193.00	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	1497.400	43.44	-15.08	68.2	-30.56	Peak	247.00	150	Vertical	Pass
1**	1497.400	33.68	-15.08	54.0	-20.32	AV	247.00	150	Vertical	Pass
2	4264.400	52.57	-3.22	68.2	-21.43	Peak	232.00	150	Vertical	Pass
2**	4264.400	36.67	-3.22	54.0	-17.33	AV	232.00	150	Vertical	Pass
3	4978.400	51.00	-1.33	68.2	-23.00	Peak	0.00	150	Vertical	Pass
3**	4978.400	45.62	-1.33	54.0	-8.38	AV	0.00	150	Vertical	Pass
4	5321.000	92.15	-0.11	--	--	Peak	108.00	150	Vertical	N/A
4**	5321.000	85.85	-0.11	--	--	AV	108.00	150	Vertical	N/A
5	11529.850	48.58	19.53	68.2	-19.62	Peak	223.00	150	Vertical	Pass
5**	11529.850	37.29	19.53	54.0	-16.71	AV	223.00	150	Vertical	Pass
6	15640.651	54.59	23.56	68.2	-13.61	Peak	321.00	150	Vertical	Pass
6**	15640.651	43.42	23.56	54.0	-10.58	AV	321.00	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	1574.900	46.51	-15.30	68.2	-27.49	Peak	326.00	150	Horizontal	Pass
1**	1574.900	37.86	-15.30	54.0	-16.14	AV	326.00	150	Horizontal	Pass
2	3986.000	47.75	-4.33	68.2	-26.25	Peak	355.00	150	Horizontal	Pass
2**	3986.000	35.53	-4.33	54.0	-18.47	AV	355.00	150	Horizontal	Pass
3	4994.200	49.85	-1.05	68.2	-24.15	Peak	344.00	150	Horizontal	Pass
3**	4994.200	45.29	-1.05	54.0	-8.71	AV	344.00	150	Horizontal	Pass
4	5271.600	99.06	-0.65	--	--	Peak	20.00	150	Horizontal	N/A
4**	5271.600	91.40	-0.65	--	--	AV	20.00	150	Horizontal	N/A
5	11900.724	48.99	18.03	68.2	-25.01	Peak	247.00	150	Horizontal	Pass
5**	11900.724	37.87	18.03	54.0	-16.13	AV	247.00	150	Horizontal	Pass
6	15949.350	55.09	23.95	68.2	-18.91	Peak	113.00	150	Horizontal	Pass
6**	15949.350	42.63	23.95	54.0	-11.37	AV	113.00	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	1487.900	42.02	-15.20	68.2	-26.18	Peak	258.00	150	Vertical	Pass
1**	1487.900	34.59	-15.20	54.0	-19.41	AV	258.00	150	Vertical	Pass
2	3979.400	47.15	-4.05	68.2	-21.05	Peak	241.00	150	Vertical	Pass
2**	3979.400	37.24	-4.05	54.0	-16.76	AV	241.00	150	Vertical	Pass
3	4994.000	51.28	-1.06	68.2	-16.92	Peak	330.00	150	Vertical	Pass
3**	4994.000	46.29	-1.06	54.0	-7.71	AV	330.00	150	Vertical	Pass
4	5271.400	88.43	-0.63	--	--	Peak	107.00	150	Vertical	N/A
4**	5271.400	81.70	-0.63	--	--	AV	107.00	150	Vertical	N/A
5	11751.224	49.23	18.93	68.2	-18.97	Peak	147.00	150	Vertical	Pass
5**	11751.224	36.87	18.93	54.0	-17.13	AV	147.00	150	Vertical	Pass
6	15604.163	54.45	23.53	68.2	-13.75	Peak	320.00	150	Vertical	Pass
6**	15604.163	42.66	23.53	54.0	-11.34	AV	320.00	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	1557.900	45.21	-15.04	68.2	-22.99	Peak	332.00	150	Horizontal	Pass
1**	1557.900	34.03	-15.04	54.0	-19.97	AV	332.00	150	Horizontal	Pass
2	4025.400	46.75	-3.88	68.2	-21.45	Peak	241.00	150	Horizontal	Pass
2**	4025.400	35.32	-3.88	54.0	-18.68	AV	241.00	150	Horizontal	Pass
3	4995.800	53.19	-0.98	68.2	-15.01	Peak	198.00	150	Horizontal	Pass
3**	4995.800	41.64	-0.98	54.0	-12.36	AV	198.00	150	Horizontal	Pass
4	5304.800	99.50	0.31	--	--	Peak	18.00	150	Horizontal	N/A
4**	5304.800	93.19	0.31	--	--	AV	18.00	150	Horizontal	N/A
5	11645.138	48.40	20.38	68.2	-19.80	Peak	33.00	150	Horizontal	Pass
5**	11645.138	37.36	20.38	54.0	-16.64	AV	33.00	150	Horizontal	Pass
6	15607.576	53.99	23.51	68.2	-14.21	Peak	333.00	150	Horizontal	Pass
6**	15607.576	43.61	23.51	54.0	-10.39	AV	333.00	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	1501.500	40.62	-15.09	68.2	-33.38	Peak	259.00	150	Vertical	Pass
1**	1501.500	31.57	-15.09	54.0	-22.43	AV	259.00	150	Vertical	Pass
2	3972.200	46.87	-4.20	68.2	-21.33	Peak	0.00	150	Vertical	Pass
2**	3972.200	36.08	-4.20	54.0	-17.92	AV	0.00	150	Vertical	Pass
3	4990.200	54.77	-1.07	68.2	-13.43	Peak	136.00	150	Vertical	Pass
3**	4990.200	43.95	-1.07	54.0	-10.05	AV	136.00	150	Vertical	Pass
4	5317.400	88.97	-0.01	--	--	Peak	105.00	150	Vertical	N/A
4**	5317.400	82.29	-0.01	--	--	AV	105.00	150	Vertical	N/A
5	11632.775	49.20	20.32	68.2	-19.00	Peak	0.00	150	Vertical	Pass
5**	11632.775	36.84	20.32	54.0	-17.16	AV	0.00	150	Vertical	Pass
6	15497.326	54.78	23.93	68.2	-13.42	Peak	95.00	150	Vertical	Pass
6**	15497.326	43.10	23.93	54.0	-10.90	AV	95.00	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	1537.200	45.57	-14.86	68.2	-28.43	Peak	334.00	150	Horizontal	Pass
1**	1537.200	36.10	-14.86	54.0	-17.90	AV	334.00	150	Horizontal	Pass
2	3955.200	46.53	-4.60	68.2	-27.47	Peak	360.00	150	Horizontal	Pass
2**	3955.200	35.81	-4.60	54.0	-18.19	AV	360.00	150	Horizontal	Pass
3	4996.800	53.44	-0.92	68.2	-20.56	Peak	194.00	150	Horizontal	Pass
3**	4996.800	41.50	-0.92	54.0	-12.50	AV	194.00	150	Horizontal	Pass
4	5262.200	100.77	-1.00	--	--	Peak	25.00	150	Horizontal	N/A
4**	5262.200	93.47	-1.00	--	--	AV	25.00	150	Horizontal	N/A
5	11154.950	47.93	18.60	68.2	-20.27	Peak	208.00	150	Horizontal	Pass
5**	11154.950	36.89	18.60	54.0	-17.11	AV	208.00	150	Horizontal	Pass
6	15680.287	53.66	23.59	68.2	-14.54	Peak	360.00	150	Horizontal	Pass
6**	15680.287	42.86	23.59	54.0	-11.14	AV	360.00	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	1511.700	39.83	-14.93	68.2	-34.17	Peak	356.00	150	Vertical	Pass
1**	1511.700	32.33	-14.93	54.0	-21.67	AV	356.00	150	Vertical	Pass
2	3770.600	48.17	-4.74	68.2	-25.83	Peak	360.00	150	Vertical	Pass
2**	3770.600	37.28	-4.74	54.0	-16.72	AV	360.00	150	Vertical	Pass
3	4993.200	51.51	-1.04	68.2	-22.49	Peak	138.00	150	Vertical	Pass
3**	4993.200	45.95	-1.04	54.0	-8.05	AV	138.00	150	Vertical	Pass
4	5259.200	90.59	-1.05	--	--	Peak	104.00	150	Vertical	N/A
4**	5259.200	83.33	-1.05	--	--	AV	104.00	150	Vertical	N/A
5	11409.388	48.59	18.49	68.2	-19.61	Peak	360.00	150	Vertical	Pass
5**	11409.388	35.48	18.49	54.0	-18.52	AV	360.00	150	Vertical	Pass
6	15627.525	53.95	23.49	68.2	-14.25	Peak	360.00	150	Vertical	Pass
6**	15627.525	42.88	23.49	54.0	-11.12	AV	360.00	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	1527.100	45.23	-14.97	68.2	-28.77	Peak	330.00	150	Horizontal	Pass
1**	1527.100	36.53	-14.97	54.0	-17.47	AV	330.00	150	Horizontal	Pass
2	4009.800	46.81	-4.58	68.2	-27.19	Peak	273.00	150	Horizontal	Pass
2**	4009.800	34.24	-4.58	54.0	-19.76	AV	273.00	150	Horizontal	Pass
3	4996.000	51.35	-0.97	68.2	-22.65	Peak	20.00	150	Horizontal	Pass
3**	4996.000	46.12	-0.97	54.0	-7.88	AV	20.00	150	Horizontal	Pass
4	5299.200	102.83	0.27	--	--	Peak	20.00	150	Horizontal	N/A
4**	5299.200	95.89	0.27	--	--	AV	20.00	150	Horizontal	N/A
5	11544.225	48.37	19.65	68.2	-19.83	Peak	360.00	150	Horizontal	Pass
5**	11544.225	36.21	19.65	54.0	-17.79	AV	360.00	150	Horizontal	Pass
6	15635.138	54.08	23.54	68.2	-14.12	Peak	0.00	150	Horizontal	Pass
6**	15635.138	44.26	23.54	54.0	-9.74	AV	0.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1498.500	41.35	-15.16	68.2	-32.65	Peak	284.00	150	Vertical	Pass
1**	1498.500	33.33	-15.16	54.0	-20.67	AV	284.00	150	Vertical	Pass
2	3783.000	47.77	-5.33	68.2	-26.23	Peak	277.00	150	Vertical	Pass
2**	3783.000	36.67	-5.33	54.0	-17.33	AV	277.00	150	Vertical	Pass
3	4984.400	54.16	-1.30	68.2	-19.84	Peak	131.00	150	Vertical	Pass
3**	4984.400	42.90	-1.30	54.0	-11.10	AV	131.00	150	Vertical	Pass
4	5301.000	93.00	0.28	--	--	Peak	108.00	150	Vertical	N/A
4**	5301.000	85.48	0.28	--	--	AV	108.00	150	Vertical	N/A
5	11816.487	49.17	18.42	68.2	-24.83	Peak	28.00	150	Vertical	Pass
5**	11816.487	37.48	18.42	54.0	-16.52	AV	28.00	150	Vertical	Pass
6	15613.612	53.85	23.48	68.2	-14.35	Peak	360.00	150	Vertical	Pass
6**	15613.612	42.64	23.48	54.0	-11.36	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	1545.300	44.30	-14.91	68.2	-23.90	Peak	333.00	150	Horizontal	Pass
1**	1545.300	35.00	-14.91	54.0	-19.00	AV	333.00	150	Horizontal	Pass
2	3869.200	46.81	-5.25	68.2	-21.39	Peak	284.00	150	Horizontal	Pass
2**	3869.200	33.97	-5.25	54.0	-20.03	AV	284.00	150	Horizontal	Pass
3	4992.800	54.15	-1.03	68.2	-14.05	Peak	193.00	150	Horizontal	Pass
3**	4992.800	42.67	-1.03	54.0	-11.33	AV	193.00	150	Horizontal	Pass
4	5322.000	102.28	-0.07	--	--	Peak	24.00	150	Horizontal	N/A
4**	5322.000	96.12	-0.07	--	--	AV	24.00	150	Horizontal	N/A
5	11615.813	49.51	20.22	68.2	-18.69	Peak	121.00	150	Horizontal	Pass
5**	11615.813	37.33	20.22	54.0	-16.67	AV	121.00	150	Horizontal	Pass
6	15667.951	54.45	23.51	68.2	-13.75	Peak	116.00	150	Horizontal	Pass
6**	15667.951	42.51	23.51	54.0	-11.49	AV	116.00	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	1493.200	41.79	-15.11	68.2	-32.21	Peak	255.00	150	Vertical	Pass
1**	1493.200	33.29	-15.11	54.0	-20.71	AV	255.00	150	Vertical	Pass
2	4028.200	47.31	-3.93	68.2	-20.89	Peak	62.00	150	Vertical	Pass
2**	4028.200	36.93	-3.93	54.0	-17.07	AV	62.00	150	Vertical	Pass
3	4990.000	54.37	-1.08	68.2	-13.83	Peak	207.00	150	Vertical	Pass
3**	4990.000	42.43	-1.08	54.0	-11.57	AV	207.00	150	Vertical	Pass
4	5319.000	93.38	0.15	--	--	Peak	107.00	150	Vertical	N/A
4**	5319.000	86.35	0.15	--	--	AV	107.00	150	Vertical	N/A
5	11633.063	48.62	20.32	68.2	-19.58	Peak	271.00	150	Vertical	Pass
5**	11633.063	37.48	20.32	54.0	-16.52	AV	271.00	150	Vertical	Pass
6	15616.500	54.04	23.47	68.2	-14.16	Peak	166.00	150	Vertical	Pass
6**	15616.500	42.78	23.47	54.0	-11.22	AV	166.00	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	1569.300	45.53	-15.31	68.2	-28.47	Peak	326.00	150	Horizontal	Pass
1**	1569.300	38.02	-15.31	54.0	-15.98	AV	326.00	150	Horizontal	Pass
2	3796.600	46.40	-5.52	68.2	-27.60	Peak	288.00	150	Horizontal	Pass
2**	3796.600	33.88	-5.52	54.0	-20.12	AV	288.00	150	Horizontal	Pass
3	4996.800	48.57	-0.92	68.2	-25.43	Peak	181.00	150	Horizontal	Pass
3**	4996.800	47.65	-0.92	54.0	-6.35	AV	181.00	150	Horizontal	Pass
4	5272.200	98.74	-0.71	--	--	Peak	22.00	150	Horizontal	N/A
4**	5272.200	92.92	-0.71	--	--	AV	22.00	150	Horizontal	N/A
5	12152.001	49.21	19.94	68.2	-18.99	Peak	115.00	150	Horizontal	Pass
5**	12152.001	38.23	19.94	54.0	-15.77	AV	115.00	150	Horizontal	Pass
6	15547.725	54.90	23.63	68.2	-13.30	Peak	360.00	150	Horizontal	Pass
6**	15547.725	42.36	23.63	54.0	-11.64	AV	360.00	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	1575.000	41.66	-15.30	68.2	-32.34	Peak	265.00	150	Vertical	Pass
1**	1575.000	30.52	-15.30	54.0	-23.48	AV	265.00	150	Vertical	Pass
2	3984.800	47.20	-4.30	68.2	-26.80	Peak	86.00	150	Vertical	Pass
2**	3984.800	36.02	-4.30	54.0	-17.98	AV	86.00	150	Vertical	Pass
3	4993.200	53.30	-1.04	68.2	-20.70	Peak	131.00	150	Vertical	Pass
3**	4993.200	45.01	-1.04	54.0	-8.99	AV	131.00	150	Vertical	Pass
4	5272.400	88.28	-0.70	--	--	Peak	144.00	150	Vertical	N/A
4**	5272.400	82.64	-0.70	--	--	AV	144.00	150	Vertical	N/A
5	11625.875	48.37	20.27	68.2	-19.83	Peak	114.00	150	Vertical	Pass
5**	11625.875	37.08	20.27	54.0	-16.92	AV	114.00	150	Vertical	Pass
6	15479.213	54.28	23.65	68.2	-13.92	Peak	253.00	150	Vertical	Pass
6**	15479.213	41.92	23.65	54.0	-12.08	AV	253.00	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	1493.200	44.51	-15.11	68.2	-23.69	Peak	343.00	150	Horizontal	Pass
1**	1493.200	34.68	-15.11	54.0	-19.32	AV	343.00	150	Horizontal	Pass
2	3969.400	47.35	-4.16	68.2	-20.85	Peak	121.00	150	Horizontal	Pass
2**	3969.400	36.32	-4.16	54.0	-17.68	AV	121.00	150	Horizontal	Pass
3	4990.200	53.18	-1.07	68.2	-15.02	Peak	195.00	150	Horizontal	Pass
3**	4990.200	40.11	-1.07	54.0	-13.89	AV	195.00	150	Horizontal	Pass
4	5305.000	99.66	0.30	--	--	Peak	25.00	150	Horizontal	N/A
4**	5305.000	94.35	0.30	--	--	AV	25.00	150	Horizontal	N/A
5	11819.362	49.07	18.40	68.2	-19.13	Peak	14.00	150	Horizontal	Pass
5**	11819.362	37.46	18.40	54.0	-16.54	AV	14.00	150	Horizontal	Pass
6	15607.838	54.47	23.51	68.2	-13.73	Peak	280.00	150	Horizontal	Pass
6**	15607.838	43.42	23.51	54.0	-10.58	AV	280.00	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	1529.200	41.65	-15.09	68.2	-26.55	Peak	307.00	150	Vertical	Pass
1**	1529.200	31.70	-15.09	54.0	-22.30	AV	307.00	150	Vertical	Pass
2	3966.600	46.85	-4.23	68.2	-21.35	Peak	159.00	150	Vertical	Pass
2**	3966.600	36.17	-4.23	54.0	-17.83	AV	159.00	150	Vertical	Pass
3	4999.400	54.37	-0.90	68.2	-13.83	Peak	135.00	150	Vertical	Pass
3**	4999.400	41.20	-0.90	54.0	-12.80	AV	135.00	150	Vertical	Pass
4	5301.600	88.94	0.29	--	--	Peak	97.00	150	Vertical	N/A
4**	5301.600	81.55	0.29	--	--	AV	97.00	150	Vertical	N/A
5	11548.826	48.04	19.69	68.2	-20.16	Peak	214.00	150	Vertical	Pass
5**	11548.826	36.81	19.69	54.0	-17.19	AV	214.00	150	Vertical	Pass
6	15552.187	54.61	23.60	68.2	-13.59	Peak	48.00	150	Vertical	Pass
6**	15552.187	42.44	23.60	54.0	-11.56	AV	48.00	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	1512.500	44.85	-14.84	68.2	-23.35	Peak	337.00	150	Horizontal	Pass
1**	1512.500	36.81	-14.84	54.0	-17.19	AV	337.00	150	Horizontal	Pass
2	3965.000	46.85	-4.40	68.2	-21.35	Peak	291.00	150	Horizontal	Pass
2**	3965.000	34.47	-4.40	54.0	-19.53	AV	291.00	150	Horizontal	Pass
3	4998.000	53.64	-0.84	68.2	-14.56	Peak	185.00	150	Horizontal	Pass
3**	4998.000	40.53	-0.84	54.0	-13.47	AV	185.00	150	Horizontal	Pass
4	5295.600	96.58	0.18	--	--	Peak	29.00	150	Horizontal	N/A
4**	5295.600	90.06	0.18	--	--	AV	29.00	150	Horizontal	N/A
5	11687.687	48.24	19.97	68.2	-19.96	Peak	64.00	150	Horizontal	Pass
5**	11687.687	36.41	19.97	54.0	-17.59	AV	64.00	150	Horizontal	Pass
6	15854.325	54.58	23.43	68.2	-13.62	Peak	130.00	150	Horizontal	Pass
6**	15854.325	42.08	23.43	54.0	-11.92	AV	130.00	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	1518.500	41.44	-14.99	68.2	-26.76	Peak	289.00	150	Vertical	Pass
1**	1518.500	32.81	-14.99	54.0	-21.19	AV	289.00	150	Vertical	Pass
2	3980.200	47.32	-4.03	68.2	-20.88	Peak	241.00	150	Vertical	Pass
2**	3980.200	36.31	-4.03	54.0	-17.69	AV	241.00	150	Vertical	Pass
3	4996.000	54.00	-0.97	68.2	-14.20	Peak	290.00	150	Vertical	Pass
3**	4996.000	43.74	-0.97	54.0	-10.26	AV	290.00	150	Vertical	Pass
4	5291.800	86.56	-0.05	--	--	Peak	102.00	150	Vertical	N/A
4**	5291.800	81.03	-0.05	--	--	AV	102.00	150	Vertical	N/A
5	11802.112	49.27	18.53	68.2	-18.93	Peak	360.00	150	Vertical	Pass
5**	11802.112	37.83	18.53	54.0	-16.17	AV	360.00	150	Vertical	Pass
6	15593.138	54.08	23.56	68.2	-14.12	Peak	286.00	150	Vertical	Pass
6**	15593.138	43.63	23.56	54.0	-10.37	AV	286.00	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	1523.600	44.63	-14.95	68.2	-23.57	Peak	331.00	150	Horizontal	Pass
1**	1523.600	36.89	-14.95	54.0	-17.11	AV	331.00	150	Horizontal	Pass
2	3976.200	46.45	-4.11	68.2	-21.75	Peak	230.00	150	Horizontal	Pass
2**	3976.200	38.32	-4.11	54.0	-15.68	AV	230.00	150	Horizontal	Pass
3	4996.200	52.55	-0.96	68.2	-15.65	Peak	195.00	150	Horizontal	Pass
3**	4996.200	41.81	-0.96	54.0	-12.19	AV	195.00	150	Horizontal	Pass
4	5496.600	100.39	0.62	--	--	Peak	24.00	150	Horizontal	N/A
4**	5496.600	92.02	0.62	--	--	AV	24.00	150	Horizontal	N/A
5	11878.013	50.01	18.06	68.2	-18.19	Peak	345.00	150	Horizontal	Pass
5**	11878.013	36.85	18.06	54.0	-17.15	AV	345.00	150	Horizontal	Pass
6	15644.849	54.26	23.54	68.2	-13.94	Peak	328.00	150	Horizontal	Pass
6**	15644.849	42.87	23.54	54.0	-11.13	AV	328.00	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	1496.600	43.04	-15.02	68.2	-25.16	Peak	254.00	150	Vertical	Pass
1**	1496.600	33.44	-15.02	54.0	-20.56	AV	254.00	150	Vertical	Pass
2	3916.600	47.51	-4.60	68.2	-20.69	Peak	277.00	150	Vertical	Pass
2**	3916.600	36.97	-4.60	54.0	-17.03	AV	277.00	150	Vertical	Pass
3	4994.000	53.94	-1.06	68.2	-14.26	Peak	142.00	150	Vertical	Pass
3**	4994.000	44.81	-1.06	54.0	-9.19	AV	142.00	150	Vertical	Pass
4	5504.800	91.13	0.45	--	--	Peak	106.00	150	Vertical	N/A
4**	5504.800	84.61	0.45	--	--	AV	106.00	150	Vertical	N/A
5	11662.963	49.18	20.24	68.2	-19.02	Peak	208.00	150	Vertical	Pass
5**	11662.963	38.15	20.24	54.0	-15.85	AV	208.00	150	Vertical	Pass
6	15635.925	53.85	23.54	68.2	-14.35	Peak	188.00	150	Vertical	Pass
6**	15635.925	43.36	23.54	54.0	-10.64	AV	188.00	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	1596.500	48.08	-15.12	68.2	-25.92	Peak	270.00	150	Horizontal	Pass
1**	1596.500	37.59	-15.12	54.0	-16.41	AV	270.00	150	Horizontal	Pass
2	4063.000	47.19	-3.86	68.2	-26.81	Peak	78.00	150	Horizontal	Pass
2**	4063.000	35.03	-3.86	54.0	-18.97	AV	78.00	150	Horizontal	Pass
3	4993.200	53.28	-1.04	68.2	-20.72	Peak	185.00	150	Horizontal	Pass
3**	4993.200	42.87	-1.04	54.0	-11.13	AV	185.00	150	Horizontal	Pass
4	5579.000	99.83	0.82	--	--	Peak	11.00	150	Horizontal	N/A
4**	5579.000	92.96	0.82	--	--	AV	11.00	150	Horizontal	N/A
5	11808.151	49.13	18.48	68.2	-19.07	Peak	308.00	150	Horizontal	Pass
5**	11808.151	37.46	18.48	54.0	-16.54	AV	308.00	150	Horizontal	Pass
6	15651.412	53.60	23.51	68.2	-14.60	Peak	85.00	150	Horizontal	Pass
6**	15651.412	42.60	23.51	54.0	-11.40	AV	85.00	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	1511.900	42.46	-14.91	68.2	-25.74	Peak	258.00	150	Vertical	Pass
1**	1511.900	34.04	-14.91	54.0	-19.96	AV	258.00	150	Vertical	Pass
2	4061.600	46.90	-3.97	68.2	-21.30	Peak	28.00	150	Vertical	Pass
2**	4061.600	35.26	-3.97	54.0	-18.74	AV	28.00	150	Vertical	Pass
3	4991.600	55.67	-1.00	68.2	-12.53	Peak	267.00	150	Vertical	Pass
3**	4991.600	45.01	-1.00	54.0	-8.99	AV	267.00	150	Vertical	Pass
4	5582.000	90.87	0.84	--	--	Peak	111.00	150	Vertical	N/A
4**	5582.000	84.02	0.84	--	--	AV	111.00	150	Vertical	N/A
5	11715.287	49.08	19.54	68.2	-19.12	Peak	244.00	150	Vertical	Pass
5**	11715.287	36.39	19.54	54.0	-17.61	AV	244.00	150	Vertical	Pass
6	15646.950	54.49	23.53	68.2	-13.71	Peak	104.00	150	Vertical	Pass
6**	15646.950	42.41	23.53	54.0	-11.59	AV	104.00	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	1520.000	44.66	-14.96	68.2	-23.54	Peak	337.00	150	Horizontal	Pass
1**	1520.000	36.13	-14.96	54.0	-17.87	AV	337.00	150	Horizontal	Pass
2	3981.800	47.39	-4.19	68.2	-20.81	Peak	28.00	150	Horizontal	Pass
2**	3981.800	35.13	-4.19	54.0	-18.87	AV	28.00	150	Horizontal	Pass
3	4991.200	53.96	-1.02	68.2	-14.24	Peak	188.00	150	Horizontal	Pass
3**	4991.200	40.50	-1.02	54.0	-13.50	AV	188.00	150	Horizontal	Pass
4	5702.400	102.01	-0.74	--	--	Peak	4.00	150	Horizontal	N/A
4**	5702.400	94.98	-0.74	--	--	AV	4.00	150	Horizontal	N/A
5	11695.450	48.48	19.88	68.2	-19.72	Peak	360.00	150	Horizontal	Pass
5**	11695.450	37.19	19.88	54.0	-16.81	AV	360.00	150	Horizontal	Pass
6	15616.500	53.68	23.47	68.2	-14.52	Peak	86.00	150	Horizontal	Pass
6**	15616.500	44.21	23.47	54.0	-9.79	AV	86.00	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	1497.900	42.17	-15.13	68.2	-31.83	Peak	255.00	150	Vertical	Pass
1**	1497.900	32.92	-15.13	54.0	-21.08	AV	255.00	150	Vertical	Pass
2	3768.000	47.91	-4.42	68.2	-26.09	Peak	0.00	150	Vertical	Pass
2**	3768.000	38.37	-4.42	54.0	-15.63	AV	0.00	150	Vertical	Pass
3	4992.200	53.29	-1.01	68.2	-20.71	Peak	182.00	150	Vertical	Pass
3**	4992.200	46.61	-1.01	54.0	-7.39	AV	182.00	150	Vertical	Pass
4	5696.800	94.38	-0.68	--	--	Peak	117.00	150	Vertical	N/A
4**	5696.800	87.67	-0.68	--	--	AV	117.00	150	Vertical	N/A
5	11613.225	48.41	20.20	68.2	-19.79	Peak	314.00	150	Vertical	Pass
5**	11613.225	36.55	20.20	54.0	-17.45	AV	314.00	150	Vertical	Pass
6	15562.687	54.64	23.58	68.2	-13.56	Peak	328.00	150	Vertical	Pass
6**	15562.687	42.65	23.58	54.0	-11.35	AV	328.00	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	1499.200	45.44	-15.18	68.2	-22.76	Peak	337.00	150	Horizontal	Pass
1**	1499.200	36.01	-15.18	54.0	-17.99	AV	337.00	150	Horizontal	Pass
2	3988.800	46.57	-4.32	68.2	-21.63	Peak	245.00	150	Horizontal	Pass
2**	3988.800	35.26	-4.32	54.0	-18.74	AV	245.00	150	Horizontal	Pass
3	4992.800	54.96	-1.03	68.2	-13.24	Peak	190.00	150	Horizontal	Pass
3**	4992.800	42.00	-1.03	54.0	-12.00	AV	190.00	150	Horizontal	Pass
4	5504.000	99.63	0.49	--	--	Peak	11.00	150	Horizontal	N/A
4**	5504.000	92.72	0.49	--	--	AV	11.00	150	Horizontal	N/A
5	11879.162	48.98	18.06	68.2	-19.22	Peak	139.00	150	Horizontal	Pass
5**	11879.162	38.57	18.06	54.0	-15.43	AV	139.00	150	Horizontal	Pass
6	15606.000	53.59	23.52	68.2	-14.61	Peak	0.00	150	Horizontal	Pass
6**	15606.000	42.90	23.52	54.0	-11.10	AV	0.00	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	1496.100	42.24	-14.97	68.2	-31.76	Peak	263.00	150	Vertical	Pass
1**	1496.100	33.23	-14.97	54.0	-20.77	AV	263.00	150	Vertical	Pass
2	3765.600	47.47	-4.44	68.2	-26.53	Peak	259.00	150	Vertical	Pass
2**	3765.600	36.66	-4.44	54.0	-17.34	AV	259.00	150	Vertical	Pass
3	4991.400	54.70	-1.01	68.2	-19.30	Peak	216.00	150	Vertical	Pass
3**	4991.400	43.70	-1.01	54.0	-10.30	AV	216.00	150	Vertical	Pass
4	5498.400	92.02	0.54	--	--	Peak	96.00	150	Vertical	N/A
4**	5498.400	85.30	0.54	--	--	AV	96.00	150	Vertical	N/A
5	11613.225	48.58	20.20	68.2	-19.62	Peak	291.00	150	Vertical	Pass
5**	11613.225	37.90	20.20	54.0	-16.10	AV	291.00	150	Vertical	Pass
6	15659.550	54.32	23.46	68.2	-13.88	Peak	329.00	150	Vertical	Pass
6**	15659.550	42.26	23.46	54.0	-11.74	AV	329.00	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	1513.300	44.85	-14.79	68.2	-29.15	Peak	67.00	150	Horizontal	Pass
1**	1513.300	35.46	-14.79	54.0	-18.54	AV	67.00	150	Horizontal	Pass
2	3997.400	47.40	-4.56	68.2	-26.60	Peak	354.00	150	Horizontal	Pass
2**	3997.400	37.04	-4.56	54.0	-16.96	AV	354.00	150	Horizontal	Pass
3	4995.200	50.22	-1.00	68.2	-23.78	Peak	343.00	150	Horizontal	Pass
3**	4995.200	46.46	-1.00	54.0	-7.54	AV	343.00	150	Horizontal	Pass
4	5581.000	99.91	0.89	--	--	Peak	0.00	150	Horizontal	N/A
4**	5581.000	92.98	0.89	--	--	AV	0.00	150	Horizontal	N/A
5	11681.075	48.66	20.05	68.2	-19.54	Peak	103.00	150	Horizontal	Pass
5**	11681.075	38.25	20.05	54.0	-15.75	AV	103.00	150	Horizontal	Pass
6	15519.638	53.57	23.78	68.2	-14.63	Peak	360.00	150	Horizontal	Pass
6**	15519.638	42.96	23.78	54.0	-11.04	AV	360.00	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	1509.100	42.84	-15.02	68.2	-31.16	Peak	255.00	150	Vertical	Pass
1**	1509.100	31.95	-15.02	54.0	-22.05	AV	255.00	150	Vertical	Pass
2	4267.400	50.32	-3.30	68.2	-23.68	Peak	281.00	150	Vertical	Pass
2**	4267.400	42.49	-3.30	54.0	-11.51	AV	281.00	150	Vertical	Pass
3	4998.600	53.88	-0.85	68.2	-20.12	Peak	138.00	150	Vertical	Pass
3**	4998.600	46.44	-0.85	54.0	-7.56	AV	138.00	150	Vertical	Pass
4	5578.800	92.33	0.80	--	--	Peak	103.00	150	Vertical	N/A
4**	5578.800	85.40	0.80	--	--	AV	103.00	150	Vertical	N/A
5	11784.287	49.89	18.68	68.2	-18.31	Peak	154.00	150	Vertical	Pass
5**	11784.287	36.75	18.68	54.0	-17.25	AV	154.00	150	Vertical	Pass
6	15618.862	54.17	23.45	68.2	-14.03	Peak	173.00	150	Vertical	Pass
6**	15618.862	43.50	23.45	54.0	-10.50	AV	173.00	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	1529.400	45.12	-15.11	68.2	-23.08	Peak	360.00	150	Horizontal	Pass
1**	1529.400	34.77	-15.11	54.0	-19.23	AV	360.00	150	Horizontal	Pass
2	4001.000	46.99	-4.55	68.2	-21.21	Peak	360.00	150	Horizontal	Pass
2**	4001.000	35.73	-4.55	54.0	-18.27	AV	360.00	150	Horizontal	Pass
3	4992.800	50.35	-1.03	68.2	-17.85	Peak	181.00	150	Horizontal	Pass
3**	4992.800	47.35	-1.03	54.0	-6.65	AV	181.00	150	Horizontal	Pass
4	5698.600	100.86	-0.80	--	--	Peak	317.00	150	Horizontal	N/A
4**	5698.600	94.57	-0.80	--	--	AV	317.00	150	Horizontal	N/A
5	11626.450	48.59	20.28	68.2	-19.61	Peak	26.00	150	Horizontal	Pass
5**	11626.450	37.71	20.28	54.0	-16.29	AV	26.00	150	Horizontal	Pass
6	15627.263	54.02	23.49	68.2	-14.18	Peak	163.00	150	Horizontal	Pass
6**	15627.263	42.67	23.49	54.0	-11.33	AV	163.00	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	1520.800	41.78	-14.94	68.2	-26.42	Peak	299.00	150	Vertical	Pass
1**	1520.800	33.35	-14.94	54.0	-20.65	AV	299.00	150	Vertical	Pass
2	3994.200	47.10	-4.51	68.2	-21.10	Peak	0.00	150	Vertical	Pass
2**	3994.200	36.43	-4.51	54.0	-17.57	AV	0.00	150	Vertical	Pass
3	4992.600	54.29	-1.02	68.2	-13.91	Peak	137.00	150	Vertical	Pass
3**	4992.600	42.58	-1.02	54.0	-11.42	AV	137.00	150	Vertical	Pass
4	5705.000	92.78	-0.63	--	--	Peak	111.00	150	Vertical	N/A
4**	5705.000	85.75	-0.63	--	--	AV	111.00	150	Vertical	N/A
5	11085.088	48.74	18.90	68.2	-19.46	Peak	248.00	150	Vertical	Pass
5**	11085.088	36.23	18.90	54.0	-17.77	AV	248.00	150	Vertical	Pass
6	15671.099	55.23	23.53	68.2	-12.97	Peak	97.00	150	Vertical	Pass
6**	15671.099	42.18	23.53	54.0	-11.82	AV	97.00	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	1542.700	45.04	-14.81	68.2	-23.16	Peak	334.00	150	Horizontal	Pass
1**	1542.700	36.33	-14.81	54.0	-17.67	AV	334.00	150	Horizontal	Pass
2	4080.600	46.37	-4.25	68.2	-21.83	Peak	325.00	150	Horizontal	Pass
2**	4080.600	34.64	-4.25	54.0	-19.36	AV	325.00	150	Horizontal	Pass
3	4992.400	54.55	-1.01	68.2	-13.65	Peak	189.00	150	Horizontal	Pass
3**	4992.400	40.73	-1.01	54.0	-13.27	AV	189.00	150	Horizontal	Pass
4	5512.000	96.91	0.21	--	--	Peak	37.00	150	Horizontal	N/A
4**	5512.000	89.47	0.21	--	--	AV	37.00	150	Horizontal	N/A
5	11692.575	49.15	19.91	68.2	-19.05	Peak	264.00	150	Horizontal	Pass
5**	11692.575	38.30	19.91	54.0	-15.70	AV	264.00	150	Horizontal	Pass
6	15581.325	54.40	23.57	68.2	-13.80	Peak	14.00	150	Horizontal	Pass
6**	15581.325	42.64	23.57	54.0	-11.36	AV	14.00	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	1499.500	42.49	-15.18	68.2	-31.51	Peak	249.00	150	Vertical	Pass
1**	1499.500	32.04	-15.18	54.0	-21.96	AV	249.00	150	Vertical	Pass
2	3975.600	47.59	-4.12	68.2	-26.41	Peak	41.00	150	Vertical	Pass
2**	3975.600	36.19	-4.12	54.0	-17.81	AV	41.00	150	Vertical	Pass
3	4999.400	51.10	-0.90	68.2	-22.90	Peak	127.00	150	Vertical	Pass
3**	4999.400	46.23	-0.90	54.0	-7.77	AV	127.00	150	Vertical	Pass
4	5507.800	88.23	0.21	--	--	Peak	100.00	150	Vertical	N/A
4**	5507.800	81.94	0.21	--	--	AV	100.00	150	Vertical	N/A
5	11282.025	48.59	17.97	68.2	-19.61	Peak	360.00	150	Vertical	Pass
5**	11282.025	36.93	17.97	54.0	-17.07	AV	360.00	150	Vertical	Pass
6	15823.875	54.53	23.31	68.2	-13.67	Peak	331.00	150	Vertical	Pass
6**	15823.875	42.83	23.31	54.0	-11.17	AV	331.00	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	1585.900	46.61	-15.25	68.2	-27.39	Peak	345.00	150	Horizontal	Pass
1**	1585.900	36.06	-15.25	54.0	-17.94	AV	345.00	150	Horizontal	Pass
2	4014.600	46.25	-4.08	68.2	-27.75	Peak	241.00	150	Horizontal	Pass
2**	4014.600	35.79	-4.08	54.0	-18.21	AV	241.00	150	Horizontal	Pass
3	4980.200	52.45	-1.21	68.2	-21.55	Peak	186.00	150	Horizontal	Pass
3**	4980.200	46.33	-1.21	54.0	-7.67	AV	186.00	150	Horizontal	Pass
4	5591.200	94.72	0.61	--	--	Peak	5.00	150	Horizontal	N/A
4**	5591.200	88.09	0.61	--	--	AV	5.00	150	Horizontal	N/A
5	11629.901	48.63	20.30	68.2	-19.57	Peak	262.00	150	Horizontal	Pass
5**	11629.901	38.07	20.30	54.0	-15.93	AV	262.00	150	Horizontal	Pass
6	15673.201	53.95	23.55	68.2	-14.25	Peak	84.00	150	Horizontal	Pass
6**	15673.201	42.55	23.55	54.0	-11.45	AV	84.00	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	1497.900	42.10	-15.13	68.2	-26.10	Peak	247.00	150	Vertical	Pass
1**	1497.900	33.34	-15.13	54.0	-20.66	AV	247.00	150	Vertical	Pass
2	3919.400	47.47	-4.66	68.2	-20.73	Peak	88.00	150	Vertical	Pass
2**	3919.400	36.49	-4.66	54.0	-17.51	AV	88.00	150	Vertical	Pass
3	4990.400	55.38	-1.06	68.2	-12.82	Peak	132.00	150	Vertical	Pass
3**	4990.400	41.92	-1.06	54.0	-12.08	AV	132.00	150	Vertical	Pass
4	5588.800	86.82	0.69	--	--	Peak	102.00	150	Vertical	N/A
4**	5588.800	79.84	0.69	--	--	AV	102.00	150	Vertical	N/A
5	11632.201	48.33	20.31	68.2	-19.87	Peak	328.00	150	Vertical	Pass
5**	11632.201	37.52	20.31	54.0	-16.48	AV	328.00	150	Vertical	Pass
6	15913.650	54.81	23.53	68.2	-13.39	Peak	280.00	150	Vertical	Pass
6**	15913.650	42.04	23.53	54.0	-11.96	AV	280.00	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	1564.100	44.46	-15.09	68.2	-29.54	Peak	318.00	150	Horizontal	Pass
1**	1564.100	35.59	-15.09	54.0	-18.41	AV	318.00	150	Horizontal	Pass
2	4021.600	47.01	-4.04	68.2	-26.99	Peak	20.00	150	Horizontal	Pass
2**	4021.600	35.66	-4.04	54.0	-18.34	AV	20.00	150	Horizontal	Pass
3	4993.600	54.22	-1.05	68.2	-19.78	Peak	177.00	150	Horizontal	Pass
3**	4993.600	39.73	-1.05	54.0	-14.27	AV	177.00	150	Horizontal	Pass
4	5673.800	98.78	-0.07	--	--	Peak	6.00	150	Horizontal	N/A
4**	5673.800	92.13	-0.07	--	--	AV	6.00	150	Horizontal	N/A
5	11531.288	49.01	19.54	68.2	-19.19	Peak	177.00	150	Horizontal	Pass
5**	11531.288	38.23	19.54	54.0	-15.77	AV	177.00	150	Horizontal	Pass
6	15570.037	55.61	23.58	68.2	-12.59	Peak	0.00	150	Horizontal	Pass
6**	15570.037	42.95	23.58	54.0	-11.05	AV	0.00	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	1535.400	41.74	-14.86	68.2	-32.26	Peak	33.00	150	Vertical	Pass
1**	1535.400	32.90	-14.86	54.0	-21.10	AV	33.00	150	Vertical	Pass
2	3961.400	47.73	-4.51	68.2	-20.47	Peak	106.00	150	Vertical	Pass
2**	3961.400	35.90	-4.51	54.0	-18.10	AV	106.00	150	Vertical	Pass
3	4995.600	54.16	-0.99	68.2	-14.04	Peak	0.00	150	Vertical	Pass
3**	4995.600	43.62	-0.99	54.0	-10.38	AV	0.00	150	Vertical	Pass
4	5668.800	90.94	0.01	--	--	Peak	269.00	150	Vertical	N/A
4**	5668.800	83.93	0.01	--	--	AV	269.00	150	Vertical	N/A
5	11553.713	49.05	19.73	68.2	-19.15	Peak	111.00	150	Vertical	Pass
5**	11553.713	36.98	19.73	54.0	-17.02	AV	111.00	150	Vertical	Pass
6	15667.162	53.50	23.51	68.2	-14.70	Peak	182.00	150	Vertical	Pass
6**	15667.162	43.72	23.51	54.0	-10.28	AV	182.00	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	1497.600	46.70	-15.10	68.2	-27.30	Peak	354.00	150	Horizontal	Pass
1**	1497.600	36.22	-15.10	54.0	-17.78	AV	354.00	150	Horizontal	Pass
2	3922.400	46.92	-4.57	68.2	-27.08	Peak	218.00	150	Horizontal	Pass
2**	3922.400	34.35	-4.57	54.0	-19.65	AV	218.00	150	Horizontal	Pass
3	4988.600	53.04	-1.15	68.2	-20.96	Peak	189.00	150	Horizontal	Pass
3**	4988.600	43.89	-1.15	54.0	-10.11	AV	189.00	150	Horizontal	Pass
4	5503.600	99.26	0.49	--	--	Peak	26.00	150	Horizontal	N/A
4**	5503.600	92.55	0.49	--	--	AV	26.00	150	Horizontal	N/A
5	11801.250	49.81	18.54	68.2	-24.19	Peak	337.00	150	Horizontal	Pass
5**	11801.250	37.26	18.54	54.0	-16.74	AV	337.00	150	Horizontal	Pass
6	15662.963	54.44	23.48	68.2	-13.76	Peak	175.00	150	Horizontal	Pass
6**	15662.963	43.50	23.48	54.0	-10.50	AV	175.00	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	1503.700	41.85	-15.04	68.2	-32.15	Peak	201.00	150	Vertical	Pass
1**	1503.700	33.24	-15.04	54.0	-20.76	AV	201.00	150	Vertical	Pass
2	4001.600	47.49	-4.57	68.2	-26.51	Peak	18.00	150	Vertical	Pass
2**	4001.600	35.41	-4.57	54.0	-18.59	AV	18.00	150	Vertical	Pass
3	4997.200	54.88	-0.89	68.2	-19.12	Peak	129.00	150	Vertical	Pass
3**	4997.200	43.13	-0.89	54.0	-10.87	AV	129.00	150	Vertical	Pass
4	5500.800	92.23	0.48	--	--	Peak	99.00	150	Vertical	N/A
4**	5500.800	86.89	0.48	--	--	AV	99.00	150	Vertical	N/A
5	11537.325	48.27	19.59	68.2	-19.93	Peak	47.00	150	Vertical	Pass
5**	11537.325	36.35	19.59	54.0	-17.65	AV	47.00	150	Vertical	Pass
6	15636.712	54.02	23.54	68.2	-14.18	Peak	221.00	150	Vertical	Pass
6**	15636.712	43.14	23.54	54.0	-10.86	AV	221.00	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	1512.100	45.99	-14.88	68.2	-28.01	Peak	253.00	150	Horizontal	Pass
1**	1512.100	36.27	-14.88	54.0	-17.73	AV	253.00	150	Horizontal	Pass
2	3779.800	46.67	-5.12	68.2	-27.33	Peak	202.00	150	Horizontal	Pass
2**	3779.800	34.92	-5.12	54.0	-19.08	AV	202.00	150	Horizontal	Pass
3	4992.600	53.56	-1.02	68.2	-20.44	Peak	187.00	150	Horizontal	Pass
3**	4992.600	44.27	-1.02	54.0	-9.73	AV	187.00	150	Horizontal	Pass
4	5580.800	98.57	0.90	--	--	Peak	40.00	150	Horizontal	N/A
4**	5580.800	92.53	0.90	--	--	AV	40.00	150	Horizontal	N/A
5	11501.100	48.70	19.18	68.2	-25.30	Peak	323.00	150	Horizontal	Pass
5**	11501.100	37.03	19.18	54.0	-16.97	AV	323.00	150	Horizontal	Pass
6	15680.812	54.12	23.59	68.2	-14.08	Peak	300.00	150	Horizontal	Pass
6**	15680.812	43.48	23.59	54.0	-10.52	AV	300.00	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	1497.700	42.15	-15.11	68.2	-31.85	Peak	360.00	150	Vertical	Pass
1**	1497.700	32.42	-15.11	54.0	-21.58	AV	360.00	150	Vertical	Pass
2	4041.200	47.82	-3.95	68.2	-26.18	Peak	65.00	150	Vertical	Pass
2**	4041.200	35.32	-3.95	54.0	-18.68	AV	65.00	150	Vertical	Pass
3	4991.000	54.02	-1.03	68.2	-19.98	Peak	217.00	150	Vertical	Pass
3**	4991.000	43.81	-1.03	54.0	-10.19	AV	217.00	150	Vertical	Pass
4	5579.000	91.18	0.82	--	--	Peak	111.00	150	Vertical	N/A
4**	5579.000	84.71	0.82	--	--	AV	111.00	150	Vertical	N/A
5	11789.175	49.22	18.63	68.2	-18.98	Peak	50.00	150	Vertical	Pass
5**	11789.175	37.13	18.63	54.0	-16.87	AV	50.00	150	Vertical	Pass
6	15821.250	54.57	23.29	68.2	-13.63	Peak	186.00	150	Vertical	Pass
6**	15821.250	42.42	23.29	54.0	-11.58	AV	186.00	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	1589.700	46.77	-15.01	68.2	-21.43	Peak	322.00	150	Horizontal	Pass
1**	1589.700	37.84	-15.01	54.0	-16.16	AV	322.00	150	Horizontal	Pass
2	3900.800	46.94	-5.14	68.2	-21.26	Peak	59.00	150	Horizontal	Pass
2**	3900.800	34.52	-5.14	54.0	-19.48	AV	59.00	150	Horizontal	Pass
3	4992.000	54.51	-1.00	68.2	-13.69	Peak	10.00	150	Horizontal	Pass
3**	4992.000	45.50	-1.00	54.0	-8.50	AV	10.00	150	Horizontal	Pass
4	5698.600	101.12	-0.80	--	--	Peak	315.00	150	Horizontal	N/A
4**	5698.600	94.31	-0.80	--	--	AV	315.00	150	Horizontal	N/A
5	11822.525	49.72	18.37	68.2	-18.48	Peak	346.00	150	Horizontal	Pass
5**	11822.525	38.03	18.37	54.0	-15.97	AV	346.00	150	Horizontal	Pass
6	15973.238	54.16	24.00	68.2	-14.04	Peak	43.00	150	Horizontal	Pass
6**	15973.238	43.81	24.00	54.0	-10.19	AV	43.00	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	1495.000	43.03	-15.03	68.2	-30.97	Peak	259.00	150	Vertical	Pass
1**	1495.000	33.12	-15.03	54.0	-20.88	AV	259.00	150	Vertical	Pass
2	3772.600	49.22	-4.92	68.2	-24.78	Peak	360.00	150	Vertical	Pass
2**	3772.600	38.11	-4.92	54.0	-15.89	AV	360.00	150	Vertical	Pass
3	4989.800	55.11	-1.09	68.2	-18.89	Peak	201.00	150	Vertical	Pass
3**	4989.800	44.57	-1.09	54.0	-9.43	AV	201.00	150	Vertical	Pass
4	5705.600	93.17	-0.61	--	--	Peak	105.00	150	Vertical	N/A
4**	5705.600	86.30	-0.61	--	--	AV	105.00	150	Vertical	N/A
5	11779.401	49.27	18.71	68.2	-18.93	Peak	73.00	150	Vertical	Pass
5**	11779.401	36.89	18.71	54.0	-17.11	AV	73.00	150	Vertical	Pass
6	15640.912	54.38	23.56	68.2	-13.82	Peak	311.00	150	Vertical	Pass
6**	15640.912	43.17	23.56	54.0	-10.83	AV	311.00	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	1579.700	45.84	-15.25	68.2	-28.16	Peak	349.00	150	Horizontal	Pass
1**	1579.700	36.48	-15.25	54.0	-17.52	AV	349.00	150	Horizontal	Pass
2	3996.800	46.40	-4.54	68.2	-27.60	Peak	0.00	150	Horizontal	Pass
2**	3996.800	34.95	-4.54	54.0	-19.05	AV	0.00	150	Horizontal	Pass
3	4989.800	53.62	-1.09	68.2	-20.38	Peak	187.00	150	Horizontal	Pass
3**	4989.800	40.34	-1.09	54.0	-13.66	AV	187.00	150	Horizontal	Pass
4	5519.400	96.76	0.26	--	--	Peak	346.00	150	Horizontal	Pass
4**	5519.400	88.80	0.26	--	--	AV	346.00	150	Horizontal	N/A
5	11818.787	49.90	18.40	68.2	-18.30	Peak	268.20	150	Horizontal	Pass
5**	11818.787	37.03	18.40	54.0	-16.97	AV	268.20	150	Horizontal	Pass
6	15842.775	54.90	23.46	68.2	-13.30	Peak	35.00	150	Horizontal	Pass
6**	15842.775	42.91	23.46	54.0	-11.09	AV	35.00	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	1503.900	42.42	-15.04	68.2	-25.78	Peak	260.00	150	Vertical	Pass
1**	1503.900	32.27	-15.04	54.0	-21.73	AV	260.00	150	Vertical	Pass
2	3909.200	47.62	-4.89	68.2	-20.58	Peak	71.00	150	Vertical	Pass
2**	3909.200	36.44	-4.89	54.0	-17.56	AV	71.00	150	Vertical	Pass
3	4983.000	54.07	-1.34	68.2	-14.13	Peak	215.00	150	Vertical	Pass
3**	4983.000	41.85	-1.34	54.0	-12.15	AV	215.00	150	Vertical	Pass
4	5508.400	88.42	0.18	--	--	Peak	103.00	150	Vertical	N/A
4**	5508.400	81.63	0.18	--	--	AV	103.00	150	Vertical	N/A
5	11829.137	50.07	18.31	68.2	-18.13	Peak	113.00	150	Vertical	Pass
5**	11829.137	37.74	18.31	54.0	-16.26	AV	113.00	150	Vertical	Pass
6	15655.088	54.91	23.49	68.2	-13.29	Peak	313.00	150	Vertical	Pass
6**	15655.088	43.05	23.49	54.0	-10.95	AV	313.00	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	1560.000	45.00	-15.11	68.2	-23.20	Peak	340.00	150	Horizontal	Pass
1**	1560.000	36.32	-15.11	54.0	-17.68	AV	340.00	150	Horizontal	Pass
2	3969.800	46.48	-4.18	68.2	-21.72	Peak	0.00	150	Horizontal	Pass
2**	3969.800	34.78	-4.18	54.0	-19.22	AV	0.00	150	Horizontal	Pass
3	4995.600	54.73	-0.99	68.2	-13.47	Peak	189.00	150	Horizontal	Pass
3**	4995.600	42.76	-0.99	54.0	-11.24	AV	189.00	150	Horizontal	Pass
4	5591.400	94.64	0.59	--	--	Peak	9.00	150	Horizontal	N/A
4**	5591.400	87.90	0.59	--	--	AV	9.00	150	Horizontal	N/A
5	11765.313	49.77	18.81	68.2	-18.43	Peak	189.00	150	Horizontal	Pass
5**	11765.313	38.05	18.81	54.0	-15.95	AV	189.00	150	Horizontal	Pass
6	15972.712	54.52	24.00	68.2	-13.68	Peak	32.00	150	Horizontal	Pass
6**	15972.712	42.63	24.00	54.0	-11.37	AV	32.00	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	1499.500	41.97	-15.18	68.2	-26.23	Peak	247.00	150	Vertical	Pass
1**	1499.500	33.82	-15.18	54.0	-20.18	AV	247.00	150	Vertical	Pass
2	3975.000	48.18	-4.14	68.2	-20.02	Peak	18.00	150	Vertical	Pass
2**	3975.000	37.33	-4.14	54.0	-16.67	AV	18.00	150	Vertical	Pass
3	4982.600	54.29	-1.29	68.2	-13.91	Peak	204.00	150	Vertical	Pass
3**	4982.600	42.33	-1.29	54.0	-11.67	AV	204.00	150	Vertical	Pass
4	5588.400	86.45	0.71	--	--	Peak	103.00	150	Vertical	N/A
4**	5588.400	78.97	0.71	--	--	AV	103.00	150	Vertical	N/A
5	11731.963	48.95	19.24	68.2	-19.25	Peak	48.00	150	Vertical	Pass
5**	11731.963	37.27	19.24	54.0	-16.73	AV	48.00	150	Vertical	Pass
6	15828.600	54.38	23.35	68.2	-13.82	Peak	106.00	150	Vertical	Pass
6**	15828.600	42.39	23.35	54.0	-11.61	AV	106.00	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	1524.100	44.49	-14.96	68.2	-23.71	Peak	341.00	150	Horizontal	Pass
1**	1524.100	36.31	-14.96	54.0	-17.69	AV	341.00	150	Horizontal	Pass
2	4054.000	47.51	-3.78	68.2	-20.69	Peak	280.00	150	Horizontal	Pass
2**	4054.000	34.95	-3.78	54.0	-19.05	AV	280.00	150	Horizontal	Pass
3	4992.000	54.51	-1.00	68.2	-13.69	Peak	190.00	150	Horizontal	Pass
3**	4992.000	43.08	-1.00	54.0	-10.92	AV	190.00	150	Horizontal	Pass
4	5667.000	98.14	0.14	--	--	Peak	0.00	150	Horizontal	N/A
4**	5667.000	92.24	0.14	--	--	AV	0.00	150	Horizontal	N/A
5	11378.912	48.82	18.36	68.2	-19.38	Peak	0.00	150	Horizontal	Pass
5**	11378.912	36.37	18.36	54.0	-17.63	AV	0.00	150	Horizontal	Pass
6	15639.338	54.51	23.56	68.2	-13.69	Peak	347.00	150	Horizontal	Pass
6**	15639.338	43.24	23.56	54.0	-10.76	AV	347.00	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	1496.100	43.12	-14.97	68.2	-30.88	Peak	277.00	150	Vertical	Pass
1**	1496.100	34.68	-14.97	54.0	-19.32	AV	277.00	150	Vertical	Pass
2	3863.200	47.78	-5.11	68.2	-26.22	Peak	70.00	150	Vertical	Pass
2**	3863.200	35.25	-5.11	54.0	-18.75	AV	70.00	150	Vertical	Pass
3	4998.200	53.45	-0.83	68.2	-14.75	Peak	203.00	150	Vertical	Pass
3**	4998.200	43.27	-0.83	54.0	-10.73	AV	203.00	150	Vertical	Pass
4	5667.400	91.80	0.16	--	--	Peak	102.00	150	Vertical	N/A
4**	5667.400	85.24	0.16	--	--	AV	102.00	150	Vertical	N/A
5	11804.412	48.93	18.51	68.2	-19.27	Peak	100.00	150	Vertical	Pass
5**	11804.412	37.39	18.51	54.0	-16.61	AV	100.00	150	Vertical	Pass
6	15679.762	53.78	23.59	68.2	-14.42	Peak	16.00	150	Vertical	Pass
6**	15679.762	43.37	23.59	54.0	-10.63	AV	16.00	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	1524.700	44.91	-14.97	68.2	-29.09	Peak	236.00	150	Horizontal	Pass
1**	1524.700	36.18	-14.97	54.0	-17.82	AV	236.00	150	Horizontal	Pass
2	3805.800	47.46	-5.38	68.2	-26.54	Peak	305.00	150	Horizontal	Pass
2**	3805.800	35.86	-5.38	54.0	-18.14	AV	305.00	150	Horizontal	Pass
3	4997.600	56.56	-0.86	68.2	-17.44	Peak	296.00	150	Horizontal	Pass
3**	4997.600	44.91	-0.86	54.0	-9.09	AV	296.00	150	Horizontal	Pass
4	5519.600	91.69	0.23	--	--	Peak	13.00	150	Horizontal	N/A
4**	5519.600	83.30	0.23	--	--	AV	13.00	150	Horizontal	N/A
5	11522.375	49.41	19.46	68.2	-24.59	Peak	86.00	150	Horizontal	Pass
5**	11522.375	37.61	19.46	54.0	-16.39	AV	86.00	150	Horizontal	Pass
6	15610.463	55.57	23.50	68.2	-18.43	Peak	106.00	150	Horizontal	Pass
6**	15610.463	43.59	23.50	54.0	-10.41	AV	106.00	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	1546.500	42.59	-15.02	68.2	-31.41	Peak	229.00	150	Vertical	Pass
1**	1546.500	33.78	-15.02	54.0	-20.22	AV	229.00	150	Vertical	Pass
2	3971.800	46.24	-4.21	68.2	-21.96	Peak	111.00	150	Vertical	Pass
2**	3971.800	35.65	-4.21	54.0	-18.35	AV	111.00	150	Vertical	Pass
3	4977.800	51.84	-1.33	68.2	-16.36	Peak	127.00	150	Vertical	Pass
3**	4977.800	38.02	-1.33	54.0	-15.98	AV	127.00	150	Vertical	Pass
4	5528.800	84.25	0.29	--	--	Peak	111.00	150	Vertical	N/A
4**	5528.800	76.98	0.29	--	--	AV	111.00	150	Vertical	N/A
5	11637.950	48.98	20.35	68.2	-19.22	Peak	359.00	150	Vertical	Pass
5**	11637.950	37.44	20.35	54.0	-16.56	AV	359.00	150	Vertical	Pass
6	15625.687	54.69	23.48	68.2	-13.51	Peak	133.00	150	Vertical	Pass
6**	15625.687	42.83	23.48	54.0	-11.17	AV	133.00	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	1484.800	43.63	-15.16	68.2	-24.57	Peak	243.00	150	Horizontal	Pass
1**	1484.800	34.19	-15.16	54.0	-19.81	AV	243.00	150	Horizontal	Pass
2	3994.600	47.27	-4.49	68.2	-26.73	Peak	202.00	150	Horizontal	Pass
2**	3994.600	35.89	-4.49	54.0	-18.11	AV	202.00	150	Horizontal	Pass
3	4996.200	53.65	-0.96	68.2	-20.35	Peak	298.00	150	Horizontal	Pass
3**	4996.200	43.29	-0.96	54.0	-10.71	AV	298.00	150	Horizontal	Pass
4	5617.000	94.60	-0.22	--	--	Peak	8.00	150	Horizontal	N/A
4**	5617.000	86.57	-0.22	--	--	AV	8.00	150	Horizontal	N/A
5	11763.588	49.19	18.82	68.2	-19.01	Peak	119.00	150	Horizontal	Pass
5**	11763.588	37.64	18.82	54.0	-16.36	AV	119.00	150	Horizontal	Pass
6	15896.325	55.96	23.28	68.2	-12.24	Peak	293.00	150	Horizontal	Pass
6**	15896.325	42.94	23.28	54.0	-11.06	AV	293.00	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	1533.300	41.83	-14.99	68.2	-32.17	Peak	231.00	150	Vertical	Pass
1**	1533.300	32.17	-14.99	54.0	-21.83	AV	231.00	150	Vertical	Pass
2	4014.000	46.32	-4.15	68.2	-27.68	Peak	0.00	150	Vertical	Pass
2**	4014.000	34.95	-4.15	54.0	-19.05	AV	0.00	150	Vertical	Pass
3	4994.400	51.74	-1.04	68.2	-16.46	Peak	142.00	150	Vertical	Pass
3**	4994.400	42.26	-1.04	54.0	-11.74	AV	142.00	150	Vertical	Pass
4	5588.600	86.38	0.70	--	--	Peak	268.00	150	Vertical	N/A
4**	5588.600	79.53	0.70	--	--	AV	268.00	150	Vertical	N/A
5	11626.450	49.21	20.28	68.2	-24.79	Peak	20.00	150	Vertical	Pass
5**	11626.450	38.46	20.28	54.0	-15.54	AV	20.00	150	Vertical	Pass
6	15974.813	54.96	24.00	68.2	-13.24	Peak	11.00	150	Vertical	Pass
6**	15974.813	43.06	24.00	54.0	-10.94	AV	11.00	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	1527.500	46.19	-14.96	68.2	-27.81	Peak	241.00	150	Horizontal	Pass
1**	1527.500	36.54	-14.96	54.0	-17.46	AV	241.00	150	Horizontal	Pass
2	4098.800	46.82	-4.37	68.2	-27.18	Peak	334.00	150	Horizontal	Pass
2**	4098.800	35.17	-4.37	54.0	-18.83	AV	334.00	150	Horizontal	Pass
3	4997.800	50.40	-0.85	68.2	-23.60	Peak	287.00	150	Horizontal	Pass
3**	4997.800	46.91	-0.85	54.0	-7.09	AV	287.00	150	Horizontal	Pass
4	5745.800	102.77	0.38	--	--	Peak	11.00	150	Horizontal	N/A
4**	5745.800	95.95	0.38	--	--	AV	11.00	150	Horizontal	N/A
5	11535.600	49.14	19.58	68.2	-19.06	Peak	0.00	150	Horizontal	Pass
5**	11535.600	37.16	19.58	54.0	-16.84	AV	0.00	150	Horizontal	Pass
6	15973.500	54.69	24.00	68.2	-13.51	Peak	0.00	150	Horizontal	Pass
6**	15973.500	43.23	24.00	54.0	-10.77	AV	0.00	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	1533.600	44.79	-14.96	68.2	-29.21	Peak	235.00	150	Vertical	Pass
1**	1533.600	35.03	-14.96	54.0	-18.97	AV	235.00	150	Vertical	Pass
2	4115.400	46.26	-4.08	68.2	-27.74	Peak	265.00	150	Vertical	Pass
2**	4115.400	34.08	-4.08	54.0	-19.92	AV	265.00	150	Vertical	Pass
3	4986.800	51.14	-1.22	68.2	-22.86	Peak	117.00	150	Vertical	Pass
3**	4986.800	38.40	-1.22	54.0	-15.60	AV	117.00	150	Vertical	Pass
4	5744.000	95.25	0.16	--	--	Peak	117.00	150	Vertical	N/A
4**	5744.000	88.14	0.16	--	--	AV	117.00	150	Vertical	N/A
5	11690.849	49.53	19.93	68.2	-18.67	Peak	265.00	150	Vertical	Pass
5**	11690.849	37.39	19.93	54.0	-16.61	AV	265.00	150	Vertical	Pass
6	15672.150	54.35	23.54	68.2	-13.85	Peak	129.00	150	Vertical	Pass
6**	15672.150	42.80	23.54	54.0	-11.20	AV	129.00	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	1550.600	46.20	-15.13	68.2	-27.80	Peak	317.00	150	Horizontal	Pass
1**	1550.600	35.78	-15.13	54.0	-18.22	AV	317.00	150	Horizontal	Pass
2	3744.400	47.60	-4.93	68.2	-26.40	Peak	308.00	150	Horizontal	Pass
2**	3744.400	36.60	-4.93	54.0	-17.40	AV	308.00	150	Horizontal	Pass
3	4998.200	55.08	-0.83	68.2	-18.92	Peak	297.00	150	Horizontal	Pass
3**	4998.200	42.57	-0.83	54.0	-11.43	AV	297.00	150	Horizontal	Pass
4	5789.400	101.28	0.98	--	--	Peak	7.00	150	Horizontal	N/A
4**	5789.400	93.72	0.98	--	--	AV	7.00	150	Horizontal	N/A
5	11499.088	48.83	19.16	68.2	-19.37	Peak	243.00	150	Horizontal	Pass
5**	11499.088	37.22	19.16	54.0	-16.78	AV	243.00	150	Horizontal	Pass
6	15935.700	54.59	23.85	68.2	-13.61	Peak	20.00	150	Horizontal	Pass
6**	15935.700	42.59	23.85	54.0	-11.41	AV	20.00	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	1498.100	44.30	-15.15	68.2	-29.70	Peak	232.00	150	Vertical	Pass
1**	1498.100	33.42	-15.15	54.0	-20.58	AV	232.00	150	Vertical	Pass
2	3971.800	46.64	-4.21	68.2	-27.36	Peak	326.00	150	Vertical	Pass
2**	3971.800	35.47	-4.21	54.0	-18.53	AV	326.00	150	Vertical	Pass
3	4992.600	50.49	-1.02	68.2	-23.51	Peak	34.00	150	Vertical	Pass
3**	4992.600	39.41	-1.02	54.0	-14.59	AV	34.00	150	Vertical	Pass
4	5783.400	94.95	0.88	--	--	Peak	115.00	150	Vertical	N/A
4**	5783.400	88.38	0.88	--	--	AV	115.00	150	Vertical	N/A
5	11564.063	49.10	19.80	68.2	-24.90	Peak	350.00	150	Vertical	Pass
5**	11564.063	37.80	19.80	54.0	-16.20	AV	350.00	150	Vertical	Pass
6	15638.813	55.04	23.56	68.2	-13.16	Peak	217.00	150	Vertical	Pass
6**	15638.813	43.33	23.56	54.0	-10.67	AV	217.00	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	1495.400	44.96	-15.01	68.2	-23.24	Peak	240.00	150	Horizontal	Pass
1**	1495.400	36.35	-15.01	54.0	-17.65	AV	240.00	150	Horizontal	Pass
2	4004.400	46.91	-4.69	68.2	-21.29	Peak	316.00	150	Horizontal	Pass
2**	4004.400	34.67	-4.69	54.0	-19.33	AV	316.00	150	Horizontal	Pass
3	4995.600	54.76	-0.99	68.2	-13.44	Peak	297.00	150	Horizontal	Pass
3**	4995.600	43.86	-0.99	54.0	-10.14	AV	297.00	150	Horizontal	Pass
4	5824.200	100.74	0.81	--	--	Peak	3.00	150	Horizontal	N/A
4**	5824.200	93.58	0.81	--	--	AV	3.00	150	Horizontal	N/A
5	11676.763	49.34	20.10	68.2	-18.86	Peak	360.00	150	Horizontal	Pass
5**	11676.763	37.97	20.10	54.0	-16.03	AV	360.00	150	Horizontal	Pass
6	15996.862	54.36	24.02	68.2	-13.84	Peak	310.00	150	Horizontal	Pass
6**	15996.862	42.75	24.02	54.0	-11.25	AV	310.00	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	1538.600	44.10	-14.92	68.2	-24.10	Peak	231.00	150	Vertical	Pass
1**	1538.600	35.18	-14.92	54.0	-18.82	AV	231.00	150	Vertical	Pass
2	4044.600	47.17	-3.91	68.2	-21.03	Peak	122.00	150	Vertical	Pass
2**	4044.600	34.65	-3.91	54.0	-19.35	AV	122.00	150	Vertical	Pass
3	4995.000	51.18	-1.01	68.2	-17.02	Peak	122.00	150	Vertical	Pass
3**	4995.000	40.62	-1.01	54.0	-13.38	AV	122.00	150	Vertical	Pass
4	5824.400	95.06	0.80	--	--	Peak	102.00	150	Vertical	N/A
4**	5824.400	89.10	0.80	--	--	AV	102.00	150	Vertical	N/A
5	11799.238	49.18	18.55	68.2	-19.02	Peak	77.00	150	Vertical	Pass
5**	11799.238	39.65	18.55	54.0	-14.35	AV	77.00	150	Vertical	Pass
6	15641.962	55.47	23.56	68.2	-12.73	Peak	138.00	150	Vertical	Pass
6**	15641.962	44.36	23.56	54.0	-9.64	AV	138.00	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	1494.200	44.74	-15.08	68.2	-29.26	Peak	317.00	150	Horizontal	Pass
1**	1494.200	33.96	-15.08	54.0	-20.04	AV	317.00	150	Horizontal	Pass
2	3966.800	47.84	-4.20	68.2	-26.16	Peak	165.00	150	Horizontal	Pass
2**	3966.800	35.41	-4.20	54.0	-18.59	AV	165.00	150	Horizontal	Pass
3	4991.400	53.95	-1.01	68.2	-20.05	Peak	176.00	150	Horizontal	Pass
3**	4991.400	44.13	-1.01	54.0	-9.87	AV	176.00	150	Horizontal	Pass
4	5747.000	102.61	0.35	--	--	Peak	6.00	150	Horizontal	N/A
4**	5747.000	95.16	0.35	--	--	AV	6.00	150	Horizontal	N/A
5	11616.099	49.20	20.22	68.2	-24.80	Peak	111.00	150	Horizontal	Pass
5**	11616.099	40.49	20.22	54.0	-13.51	AV	111.00	150	Horizontal	Pass
6	15639.862	54.77	23.56	68.2	-13.43	Peak	233.00	150	Horizontal	Pass
6**	15639.862	42.98	23.56	54.0	-11.02	AV	233.00	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	1540.600	43.56	-14.99	68.2	-30.44	Peak	228.00	150	Vertical	Pass
1**	1540.600	36.08	-14.99	54.0	-17.92	AV	228.00	150	Vertical	Pass
2	3977.400	46.01	-4.09	68.2	-27.99	Peak	191.00	150	Vertical	Pass
2**	3977.400	35.11	-4.09	54.0	-18.89	AV	191.00	150	Vertical	Pass
3	4998.200	52.41	-0.83	68.2	-21.59	Peak	149.00	150	Vertical	Pass
3**	4998.200	40.28	-0.83	54.0	-13.72	AV	149.00	150	Vertical	Pass
4	5744.000	94.89	0.16	--	--	Peak	115.00	150	Vertical	N/A
4**	5744.000	87.97	0.16	--	--	AV	115.00	150	Vertical	N/A
5	11629.038	48.93	20.29	68.2	-25.07	Peak	258.00	150	Vertical	Pass
5**	11629.038	37.55	20.29	54.0	-16.45	AV	258.00	150	Vertical	Pass
6	15817.838	54.01	23.26	68.2	-14.19	Peak	127.00	150	Vertical	Pass
6**	15817.838	43.56	23.26	54.0	-10.44	AV	127.00	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	1519.900	44.49	-14.96	68.2	-23.71	Peak	322.00	150	Horizontal	Pass
1**	1519.900	36.71	-14.96	54.0	-17.29	AV	322.00	150	Horizontal	Pass
2	3987.200	46.32	-4.34	68.2	-21.88	Peak	303.00	150	Horizontal	Pass
2**	3987.200	35.48	-4.34	54.0	-18.52	AV	303.00	150	Horizontal	Pass
3	4992.000	55.93	-1.00	68.2	-12.27	Peak	293.00	150	Horizontal	Pass
3**	4992.000	44.21	-1.00	54.0	-9.79	AV	293.00	150	Horizontal	Pass
4	5786.400	100.69	0.77	--	--	Peak	0.00	150	Horizontal	N/A
4**	5786.400	93.64	0.77	--	--	AV	0.00	150	Horizontal	N/A
5	11548.826	49.41	19.69	68.2	-18.79	Peak	258.00	150	Horizontal	Pass
5**	11548.826	37.21	19.69	54.0	-16.79	AV	258.00	150	Horizontal	Pass
6	15980.325	54.72	24.00	68.2	-13.48	Peak	302.00	150	Horizontal	Pass
6**	15980.325	43.61	24.00	54.0	-10.39	AV	302.00	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	1517.100	43.96	-15.01	68.2	-30.04	Peak	233.00	150	Vertical	Pass
1**	1517.100	34.12	-15.01	54.0	-19.88	AV	233.00	150	Vertical	Pass
2	4022.600	46.26	-4.05	68.2	-27.74	Peak	331.00	150	Vertical	Pass
2**	4022.600	34.61	-4.05	54.0	-19.39	AV	331.00	150	Vertical	Pass
3	4981.600	51.42	-1.18	68.2	-22.58	Peak	171.00	150	Vertical	Pass
3**	4981.600	37.87	-1.18	54.0	-16.13	AV	171.00	150	Vertical	Pass
4	5788.800	94.89	1.01	--	--	Peak	118.00	150	Vertical	N/A
4**	5788.800	87.68	1.01	--	--	AV	118.00	150	Vertical	N/A
5	11499.088	49.23	19.16	68.2	-24.77	Peak	188.00	150	Vertical	Pass
5**	11499.088	37.40	19.16	54.0	-16.60	AV	188.00	150	Vertical	Pass
6	15648.525	54.86	23.53	68.2	-13.34	Peak	209.00	150	Vertical	Pass
6**	15648.525	43.73	23.53	54.0	-10.27	AV	209.00	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	1542.900	45.52	-14.80	68.2	-28.48	Peak	312.00	150	Horizontal	Pass
1**	1542.900	36.08	-14.80	54.0	-17.92	AV	312.00	150	Horizontal	Pass
2	3975.200	47.55	-4.13	68.2	-26.45	Peak	53.00	150	Horizontal	Pass
2**	3975.200	36.85	-4.13	54.0	-17.15	AV	53.00	150	Horizontal	Pass
3	4999.000	54.68	-0.88	68.2	-19.32	Peak	296.00	150	Horizontal	Pass
3**	4999.000	41.59	-0.88	54.0	-12.41	AV	296.00	150	Horizontal	Pass
4	5827.400	102.03	0.84	--	--	Peak	9.00	150	Horizontal	N/A
4**	5827.400	96.09	0.84	--	--	AV	9.00	150	Horizontal	N/A
5	11780.263	49.35	18.71	68.2	-24.65	Peak	268.00	150	Horizontal	Pass
5**	11780.263	38.17	18.71	54.0	-15.83	AV	268.00	150	Horizontal	Pass
6	15676.875	54.57	23.57	68.2	-13.63	Peak	76.00	150	Horizontal	Pass
6**	15676.875	43.02	23.57	54.0	-10.98	AV	76.00	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	1538.700	44.07	-14.92	68.2	-29.93	Peak	235.00	150	Vertical	Pass
1**	1538.700	35.38	-14.92	54.0	-18.62	AV	235.00	150	Vertical	Pass
2	3967.800	46.20	-4.12	68.2	-27.80	Peak	150.00	150	Vertical	Pass
2**	3967.800	35.62	-4.12	54.0	-18.38	AV	150.00	150	Vertical	Pass
3	4991.600	51.02	-1.00	68.2	-22.98	Peak	139.00	150	Vertical	Pass
3**	4991.600	38.93	-1.00	54.0	-15.07	AV	139.00	150	Vertical	Pass
4	5824.000	95.25	0.82	--	--	Peak	114.00	150	Vertical	N/A
4**	5824.000	88.51	0.82	--	--	AV	114.00	150	Vertical	N/A
5	11780.550	48.73	18.71	68.2	-25.27	Peak	296.00	150	Vertical	Pass
5**	11780.550	38.10	18.71	54.0	-15.90	AV	296.00	150	Vertical	Pass
6	15608.362	54.95	23.51	68.2	-19.05	Peak	189.00	150	Vertical	Pass
6**	15608.362	42.69	23.51	54.0	-11.31	AV	189.00	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	1556.300	45.73	-15.08	68.2	-28.27	Peak	320.00	150	Horizontal	Pass
1**	1556.300	36.72	-15.08	54.0	-17.28	AV	320.00	150	Horizontal	Pass
2	4024.400	47.00	-3.93	68.2	-27.00	Peak	23.00	150	Horizontal	Pass
2**	4024.400	35.93	-3.93	54.0	-18.07	AV	23.00	150	Horizontal	Pass
3	4993.800	52.42	-1.06	68.2	-21.58	Peak	289.00	150	Horizontal	Pass
3**	4993.800	47.16	-1.06	54.0	-6.84	AV	289.00	150	Horizontal	Pass
4	5746.400	99.63	0.39	--	--	Peak	2.00	150	Horizontal	N/A
4**	5746.400	91.74	0.39	--	--	AV	2.00	150	Horizontal	N/A
5	11896.412	49.43	18.03	68.2	-24.57	Peak	251.00	150	Horizontal	Pass
5**	11896.412	37.75	18.03	54.0	-16.25	AV	251.00	150	Horizontal	Pass
6	15945.675	54.40	23.93	68.2	-13.80	Peak	232.00	150	Horizontal	Pass
6**	15945.675	42.99	23.93	54.0	-11.01	AV	232.00	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	1537.500	43.52	-14.87	68.2	-30.48	Peak	229.00	150	Vertical	Pass
1**	1537.500	35.33	-14.87	54.0	-18.67	AV	229.00	150	Vertical	Pass
2	4042.800	46.91	-3.91	68.2	-27.09	Peak	171.00	150	Vertical	Pass
2**	4042.800	35.35	-3.91	54.0	-18.65	AV	171.00	150	Vertical	Pass
3	4995.600	51.63	-0.99	68.2	-22.37	Peak	147.00	150	Vertical	Pass
3**	4995.600	39.09	-0.99	54.0	-14.91	AV	147.00	150	Vertical	Pass
4	5760.600	91.89	0.66	--	--	Peak	110.00	150	Vertical	N/A
4**	5760.600	85.54	0.66	--	--	AV	110.00	150	Vertical	N/A
5	11619.262	49.87	20.23	68.2	-24.13	Peak	309.00	150	Vertical	Pass
5**	11619.262	37.61	20.23	54.0	-16.39	AV	309.00	150	Vertical	Pass
6	15968.775	55.70	24.00	68.2	-12.50	Peak	231.00	150	Vertical	Pass
6**	15968.775	42.42	24.00	54.0	-11.58	AV	231.00	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	1553.100	44.98	-15.05	68.2	-29.02	Peak	316.00	150	Horizontal	Pass
1**	1553.100	36.10	-15.05	54.0	-17.90	AV	316.00	150	Horizontal	Pass
2	3774.400	47.69	-4.94	68.2	-26.31	Peak	115.00	150	Horizontal	Pass
2**	3774.400	35.53	-4.94	54.0	-18.47	AV	115.00	150	Horizontal	Pass
3	4991.800	54.92	-0.99	68.2	-19.08	Peak	295.00	150	Horizontal	Pass
3**	4991.800	43.02	-0.99	54.0	-10.98	AV	295.00	150	Horizontal	Pass
4	5792.400	98.53	1.04	--	--	Peak	0.00	150	Horizontal	N/A
4**	5792.400	91.40	1.04	--	--	AV	0.00	150	Horizontal	N/A
5	12206.625	49.70	20.44	68.2	-24.30	Peak	306.00	150	Horizontal	Pass
5**	12206.625	37.40	20.44	54.0	-16.60	AV	306.00	150	Horizontal	Pass
6	15552.451	54.69	23.60	68.2	-13.51	Peak	10.00	150	Horizontal	Pass
6**	15552.451	43.76	23.60	54.0	-10.24	AV	10.00	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	1511.200	43.97	-14.99	68.2	-30.03	Peak	231.00	150	Vertical	Pass
1**	1511.200	35.17	-14.99	54.0	-18.83	AV	231.00	150	Vertical	Pass
2	3997.000	46.61	-4.55	68.2	-27.39	Peak	165.00	150	Vertical	Pass
2**	3997.000	34.61	-4.55	54.0	-19.39	AV	165.00	150	Vertical	Pass
3	4993.400	51.20	-1.05	68.2	-22.80	Peak	145.00	150	Vertical	Pass
3**	4993.400	39.28	-1.05	54.0	-14.72	AV	145.00	150	Vertical	Pass
4	5793.600	93.42	0.99	--	--	Peak	110.00	150	Vertical	N/A
4**	5793.600	86.07	0.99	--	--	AV	110.00	150	Vertical	N/A
5	11605.750	49.24	20.16	68.2	-24.76	Peak	31.00	150	Vertical	Pass
5**	11605.750	37.11	20.16	54.0	-16.89	AV	31.00	150	Vertical	Pass
6	15824.925	54.83	23.32	68.2	-13.37	Peak	65.00	150	Vertical	Pass
6**	15824.925	42.35	23.32	54.0	-11.65	AV	65.00	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	1567.200	45.04	-15.23	68.2	-23.16	Peak	321.00	150	Horizontal	Pass
1**	1567.200	35.52	-15.23	54.0	-18.48	AV	321.00	150	Horizontal	Pass
2	4015.200	46.09	-4.08	68.2	-22.11	Peak	182.00	150	Horizontal	Pass
2**	4015.200	35.39	-4.08	54.0	-18.61	AV	182.00	150	Horizontal	Pass
3	4997.400	53.87	-0.88	68.2	-14.33	Peak	292.00	150	Horizontal	Pass
3**	4997.400	43.22	-0.88	54.0	-10.78	AV	292.00	150	Horizontal	Pass
4	5745.800	103.14	0.38	--	--	Peak	12.00	150	Horizontal	N/A
4**	5745.800	97.53	0.38	--	--	AV	12.00	150	Horizontal	N/A
5	11631.912	49.54	20.31	68.2	-18.66	Peak	360.00	150	Horizontal	Pass
5**	11631.912	38.26	20.31	54.0	-15.74	AV	360.00	150	Horizontal	Pass
6	15682.388	54.53	23.59	68.2	-13.67	Peak	337.00	150	Horizontal	Pass
6**	15682.388	44.71	23.59	54.0	-9.29	AV	337.00	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	1512.600	43.08	-14.82	68.2	-30.92	Peak	229.00	150	Vertical	Pass
1**	1512.600	36.01	-14.82	54.0	-17.99	AV	229.00	150	Vertical	Pass
2	4030.600	46.93	-3.94	68.2	-27.07	Peak	136.00	150	Vertical	Pass
2**	4030.600	35.12	-3.94	54.0	-18.88	AV	136.00	150	Vertical	Pass
3	4997.200	51.79	-0.89	68.2	-22.21	Peak	144.00	150	Vertical	Pass
3**	4997.200	39.41	-0.89	54.0	-14.59	AV	144.00	150	Vertical	Pass
4	5744.200	95.11	0.19	--	--	Peak	101.00	150	Vertical	N/A
4**	5744.200	88.38	0.19	--	--	AV	101.00	150	Vertical	N/A
5	11618.975	49.02	20.23	68.2	-24.98	Peak	250.00	150	Vertical	Pass
5**	11618.975	37.44	20.23	54.0	-16.56	AV	250.00	150	Vertical	Pass
6	15895.276	54.97	23.29	68.2	-19.03	Peak	62.00	150	Vertical	Pass
6**	15895.276	42.63	23.29	54.0	-11.37	AV	62.00	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	1556.400	44.86	-15.08	68.2	-29.14	Peak	320.00	150	Horizontal	Pass
1**	1556.400	37.21	-15.08	54.0	-16.79	AV	320.00	150	Horizontal	Pass
2	3963.600	46.68	-4.44	68.2	-27.32	Peak	184.00	150	Horizontal	Pass
2**	3963.600	35.20	-4.44	54.0	-18.80	AV	184.00	150	Horizontal	Pass
3	4998.800	55.86	-0.87	68.2	-18.14	Peak	301.00	150	Horizontal	Pass
3**	4998.800	43.14	-0.87	54.0	-10.86	AV	301.00	150	Horizontal	Pass
4	5785.600	102.35	0.77	--	--	Peak	9.00	150	Horizontal	N/A
4**	5785.600	95.54	0.77	--	--	AV	9.00	150	Horizontal	N/A
5	11605.750	49.30	20.16	68.2	-18.90	Peak	227.00	150	Horizontal	Pass
5**	11605.750	37.34	20.16	54.0	-16.66	AV	227.00	150	Horizontal	Pass
6	15622.013	54.81	23.46	68.2	-13.39	Peak	333.00	150	Horizontal	Pass
6**	15622.013	43.54	23.46	54.0	-10.46	AV	333.00	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	1547.200	43.67	-15.09	68.2	-30.33	Peak	231.00	150	Vertical	Pass
1**	1547.200	35.63	-15.09	54.0	-18.37	AV	231.00	150	Vertical	Pass
2	3979.000	46.12	-4.06	68.2	-27.88	Peak	285.00	150	Vertical	Pass
2**	3979.000	36.35	-4.06	54.0	-17.65	AV	285.00	150	Vertical	Pass
3	4998.600	51.94	-0.85	68.2	-22.06	Peak	24.00	150	Vertical	Pass
3**	4998.600	39.41	-0.85	54.0	-14.59	AV	24.00	150	Vertical	Pass
4	5784.200	95.19	0.77	--	--	Peak	108.00	150	Vertical	N/A
4**	5784.200	88.24	0.77	--	--	AV	108.00	150	Vertical	N/A
5	11565.500	49.60	19.81	68.2	-24.40	Peak	81.00	150	Vertical	Pass
5**	11565.500	37.90	19.81	54.0	-16.10	AV	81.00	150	Vertical	Pass
6	15636.450	54.77	23.54	68.2	-13.43	Peak	199.00	150	Vertical	Pass
6**	15636.450	43.57	23.54	54.0	-10.43	AV	199.00	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	1594.500	46.89	-15.14	68.2	-27.11	Peak	325.00	150	Horizontal	Pass
1**	1594.500	35.79	-15.14	54.0	-18.21	AV	325.00	150	Horizontal	Pass
2	3959.800	46.18	-4.48	68.2	-27.82	Peak	0.00	150	Horizontal	Pass
2**	3959.800	36.48	-4.48	54.0	-17.52	AV	0.00	150	Horizontal	Pass
3	4995.200	54.74	-1.00	68.2	-19.26	Peak	295.00	150	Horizontal	Pass
3**	4995.200	44.51	-1.00	54.0	-9.49	AV	295.00	150	Horizontal	Pass
4	5826.000	102.18	0.80	--	--	Peak	7.00	150	Horizontal	N/A
4**	5826.000	96.92	0.80	--	--	AV	7.00	150	Horizontal	N/A
5	11553.138	49.11	19.73	68.2	-24.89	Peak	213.00	150	Horizontal	Pass
5**	11553.138	36.94	19.73	54.0	-17.06	AV	213.00	150	Horizontal	Pass
6	15589.987	55.46	23.56	68.2	-12.74	Peak	350.00	150	Horizontal	Pass
6**	15589.987	43.63	23.56	54.0	-10.37	AV	350.00	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	1516.200	42.96	-14.99	68.2	-25.24	Peak	235.00	150	Vertical	Pass
1**	1516.200	34.01	-14.99	54.0	-19.99	AV	235.00	150	Vertical	Pass
2	3999.600	47.64	-4.51	68.2	-20.56	Peak	35.00	150	Vertical	Pass
2**	3999.600	36.17	-4.51	54.0	-17.83	AV	35.00	150	Vertical	Pass
3	4999.000	51.82	-0.88	68.2	-16.38	Peak	129.00	150	Vertical	Pass
3**	4999.000	40.25	-0.88	54.0	-13.75	AV	129.00	150	Vertical	Pass
4	5820.600	95.04	0.92	--	--	Peak	109.00	150	Vertical	N/A
4**	5820.600	87.07	0.92	--	--	AV	109.00	150	Vertical	N/A
5	11563.775	49.29	19.80	68.2	-18.91	Peak	308.00	150	Vertical	Pass
5**	11563.775	37.72	19.80	54.0	-16.28	AV	308.00	150	Vertical	Pass
6	15519.638	54.71	23.78	68.2	-13.49	Peak	138.00	150	Vertical	Pass
6**	15519.638	42.63	23.78	54.0	-11.37	AV	138.00	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	1538.400	44.75	-14.91	68.2	-29.25	Peak	327.00	150	Horizontal	Pass
1**	1538.400	34.88	-14.91	54.0	-19.12	AV	327.00	150	Horizontal	Pass
2	3767.600	47.86	-4.40	68.2	-26.14	Peak	102.00	150	Horizontal	Pass
2**	3767.600	36.51	-4.40	54.0	-17.49	AV	102.00	150	Horizontal	Pass
3	4991.400	50.65	-1.01	68.2	-23.35	Peak	298.00	150	Horizontal	Pass
3**	4991.400	46.85	-1.01	54.0	-7.15	AV	298.00	150	Horizontal	Pass
4	5744.000	99.30	0.16	--	--	Peak	5.00	150	Horizontal	N/A
4**	5744.000	91.85	0.16	--	--	AV	5.00	150	Horizontal	N/A
5	11707.813	48.95	19.68	68.2	-25.05	Peak	87.00	150	Horizontal	Pass
5**	11707.813	36.77	19.68	54.0	-17.23	AV	87.00	150	Horizontal	Pass
6	15977.700	55.25	24.00	68.2	-18.75	Peak	350.00	150	Horizontal	Pass
6**	15977.700	44.31	24.00	54.0	-9.69	AV	350.00	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	1538.400	43.36	-14.91	68.2	-30.64	Peak	227.00	150	Vertical	Pass
1**	1538.400	34.12	-14.91	54.0	-19.88	AV	227.00	150	Vertical	Pass
2	3970.400	46.60	-4.19	68.2	-27.40	Peak	16.00	150	Vertical	Pass
2**	3970.400	35.46	-4.19	54.0	-18.54	AV	16.00	150	Vertical	Pass
3	4989.800	51.95	-1.09	68.2	-22.05	Peak	117.00	150	Vertical	Pass
3**	4989.800	40.73	-1.09	54.0	-13.27	AV	117.00	150	Vertical	Pass
4	5758.200	92.46	0.63	--	--	Peak	117.00	150	Vertical	N/A
4**	5758.200	85.61	0.63	--	--	AV	117.00	150	Vertical	N/A
5	11364.825	49.09	18.29	68.2	-24.91	Peak	156.00	150	Vertical	Pass
5**	11364.825	36.54	18.29	54.0	-17.46	AV	156.00	150	Vertical	Pass
6	15632.250	55.03	23.52	68.2	-18.97	Peak	360.00	150	Vertical	Pass
6**	15632.250	43.86	23.52	54.0	-10.14	AV	360.00	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	1577.000	45.75	-15.19	68.2	-28.25	Peak	324.00	150	Horizontal	Pass
1**	1577.000	35.61	-15.19	54.0	-18.39	AV	324.00	150	Horizontal	Pass
2	3951.200	46.76	-4.69	68.2	-27.24	Peak	277.00	150	Horizontal	Pass
2**	3951.200	34.50	-4.69	54.0	-19.50	AV	277.00	150	Horizontal	Pass
3	4995.200	54.30	-1.00	68.2	-19.70	Peak	295.00	150	Horizontal	Pass
3**	4995.200	42.62	-1.00	54.0	-11.38	AV	295.00	150	Horizontal	Pass
4	5796.200	99.09	0.81	--	--	Peak	2.00	150	Horizontal	N/A
4**	5796.200	92.04	0.81	--	--	AV	2.00	150	Horizontal	N/A
5	12186.500	49.77	20.32	68.2	-24.23	Peak	265.00	150	Horizontal	Pass
5**	12186.500	37.52	20.32	54.0	-16.48	AV	265.00	150	Horizontal	Pass
6	15612.826	54.89	23.48	68.2	-19.11	Peak	223.00	150	Horizontal	Pass
6**	15612.826	43.20	23.48	54.0	-10.80	AV	223.00	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	1497.200	44.57	-15.07	68.2	-29.43	Peak	242.00	150	Vertical	Pass
1**	1497.200	34.08	-15.07	54.0	-19.92	AV	242.00	150	Vertical	Pass
2	4052.000	46.63	-3.70	68.2	-27.37	Peak	85.00	150	Vertical	Pass
2**	4052.000	34.16	-3.70	54.0	-19.84	AV	85.00	150	Vertical	Pass
3	4996.000	51.36	-0.97	68.2	-22.64	Peak	231.00	150	Vertical	Pass
3**	4996.000	39.18	-0.97	54.0	-14.82	AV	231.00	150	Vertical	Pass
4	5792.400	92.79	1.04	--	--	Peak	106.00	150	Vertical	N/A
4**	5792.400	86.35	1.04	--	--	AV	106.00	150	Vertical	N/A
5	11632.775	49.00	20.32	68.2	-19.20	Peak	247.00	150	Vertical	Pass
5**	11632.775	37.32	20.32	54.0	-16.68	AV	247.00	150	Vertical	Pass
6	15969.037	54.79	24.00	68.2	-13.41	Peak	63.00	150	Vertical	Pass
6**	15969.037	43.94	24.00	54.0	-10.06	AV	63.00	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	1559.600	45.32	-15.09	68.2	-28.68	Peak	328.00	150	Horizontal	Pass
1**	1559.600	34.42	-15.09	54.0	-19.58	AV	328.00	150	Horizontal	Pass
2	3867.600	46.52	-5.24	68.2	-27.48	Peak	290.00	150	Horizontal	Pass
2**	3867.600	34.68	-5.24	54.0	-19.32	AV	290.00	150	Horizontal	Pass
3	4990.400	54.04	-1.06	68.2	-19.96	Peak	299.00	150	Horizontal	Pass
3**	4990.400	43.28	-1.06	54.0	-10.72	AV	299.00	150	Horizontal	Pass
4	5756.800	96.25	0.62	--	--	Peak	9.00	150	Horizontal	N/A
4**	5756.800	87.73	0.62	--	--	AV	9.00	150	Horizontal	N/A
5	12195.700	49.61	20.40	68.2	-24.39	Peak	8.00	150	Horizontal	Pass
5**	12195.700	38.23	20.40	54.0	-15.77	AV	8.00	150	Horizontal	Pass
6	15630.412	55.01	23.51	68.2	-18.99	Peak	360.00	150	Horizontal	Pass
6**	15630.412	42.50	23.51	54.0	-11.50	AV	360.00	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	1537.500	42.95	-14.87	68.2	-31.05	Peak	234.00	150	Vertical	Pass
1**	1537.500	34.21	-14.87	54.0	-19.79	AV	234.00	150	Vertical	Pass
2	3984.800	46.47	-4.30	68.2	-27.53	Peak	242.00	150	Vertical	Pass
2**	3984.800	35.05	-4.30	54.0	-18.95	AV	242.00	150	Vertical	Pass
3	4982.000	51.83	-1.23	68.2	-16.37	Peak	138.00	150	Vertical	Pass
3**	4982.000	37.83	-1.23	54.0	-16.17	AV	138.00	150	Vertical	Pass
4	5755.400	89.33	0.52	--	--	Peak	110.00	150	Vertical	N/A
4**	5755.400	82.95	0.52	--	--	AV	110.00	150	Vertical	N/A
5	11769.050	48.58	18.78	68.2	-25.42	Peak	21.00	150	Vertical	Pass
5**	11769.050	37.57	18.78	54.0	-16.43	AV	21.00	150	Vertical	Pass
6	15639.599	55.54	23.56	68.2	-18.46	Peak	217.00	150	Vertical	Pass
6**	15639.599	44.59	23.56	54.0	-9.41	AV	217.00	150	Vertical	Pass

## 11a, U-NII-2C&amp;U-NII-3, 1 GHz to 18 GHz, 144 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	1514.100	44.57	-14.87	68.2	-29.43	Peak	323.00	150	Horizontal	Pass
1**	1514.100	34.96	-14.87	54.0	-19.04	AV	323.00	150	Horizontal	Pass
2	3959.200	47.35	-4.46	68.2	-26.65	Peak	26.00	150	Horizontal	Pass
2**	3959.200	37.15	-4.46	54.0	-16.85	AV	26.00	150	Horizontal	Pass
3	4990.200	54.55	-1.07	68.2	-19.45	Peak	298.00	150	Horizontal	Pass
3**	4990.200	45.07	-1.07	54.0	-8.93	AV	298.00	150	Horizontal	Pass
4	5719.200	103.08	-0.56	--	--	Peak	17.00	150	Horizontal	N/A
4**	5719.200	96.09	-0.56	--	--	AV	17.00	150	Horizontal	N/A
5	11094.862	48.83	18.92	68.2	-25.17	Peak	0.00	150	Horizontal	Pass
5**	11094.862	37.74	18.92	54.0	-16.26	AV	0.00	150	Horizontal	Pass
6	15624.901	54.69	23.48	68.2	-13.51	Peak	160.00	150	Horizontal	Pass
6**	15624.901	43.24	23.48	54.0	-10.76	AV	160.00	150	Horizontal	Pass

## 11a, U-NII-2C&amp;U-NII-3, 1 GHz to 18 GHz, 144 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	1510.900	43.94	-15.02	68.2	-30.06	Peak	229.00	150	Vertical	Pass
1**	1510.900	35.28	-15.02	54.0	-18.72	AV	229.00	150	Vertical	Pass
2	4268.800	49.64	-3.47	68.2	-24.36	Peak	243.00	150	Vertical	Pass
2**	4268.800	44.05	-3.47	54.0	-9.95	AV	243.00	150	Vertical	Pass
3	4990.400	51.29	-1.06	68.2	-22.71	Peak	131.00	150	Vertical	Pass
3**	4990.400	42.75	-1.06	54.0	-11.25	AV	131.00	150	Vertical	Pass
4	5721.800	95.44	-0.54	--	--	Peak	111.00	150	Vertical	N/A
4**	5721.800	89.47	-0.54	--	--	AV	111.00	150	Vertical	N/A
5	12168.674	49.56	20.14	68.2	-18.64	Peak	61.00	150	Vertical	Pass
5**	12168.674	38.53	20.14	54.0	-15.47	AV	61.00	150	Vertical	Pass
6	15933.600	54.59	23.82	68.2	-13.61	Peak	106.00	150	Vertical	Pass
6**	15933.600	42.90	23.82	54.0	-11.10	AV	106.00	150	Vertical	Pass

## 11n20, U-NII-2C&amp;U-NII-3, 1 GHz to 18 GHz, 144 Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1505.100	44.88	-15.08	68.2	-29.12	Peak	329.00	150	Horizontal	Pass
1**	1505.100	33.97	-15.08	54.0	-20.03	AV	329.00	150	Horizontal	Pass
2	3980.200	47.28	-4.03	68.2	-26.72	Peak	248.00	150	Horizontal	Pass
2**	3980.200	35.67	-4.03	54.0	-18.33	AV	248.00	150	Horizontal	Pass
3	4994.200	55.48	-1.05	68.2	-18.52	Peak	295.00	150	Horizontal	Pass
3**	4994.200	44.23	-1.05	54.0	-9.77	AV	295.00	150	Horizontal	Pass
4	5715.400	101.52	-0.56	--	--	Peak	16.00	150	Horizontal	N/A
4**	5715.400	94.02	-0.56	--	--	AV	16.00	150	Horizontal	N/A
5	11662.675	48.93	20.24	68.2	-19.27	Peak	212.00	150	Horizontal	Pass
5**	11662.675	37.85	20.24	54.0	-16.15	AV	212.00	150	Horizontal	Pass
6	15989.512	54.88	24.01	68.2	-13.32	Peak	350.00	150	Horizontal	Pass
6**	15989.512	42.52	24.01	54.0	-11.48	AV	350.00	150	Horizontal	Pass

## 11n20, U-NII-2C&amp;U-NII-3, 1 GHz to 18 GHz, 144 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	1549.000	43.01	-15.30	68.2	-25.19	Peak	234.00	150	Vertical	Pass
1**	1549.000	33.60	-15.30	54.0	-20.40	AV	234.00	150	Vertical	Pass
2	3967.600	47.41	-4.11	68.2	-20.79	Peak	120.00	150	Vertical	Pass
2**	3967.600	36.33	-4.11	54.0	-17.67	AV	120.00	150	Vertical	Pass
3	4995.000	51.56	-1.01	68.2	-16.64	Peak	148.00	150	Vertical	Pass
3**	4995.000	41.85	-1.01	54.0	-12.15	AV	148.00	150	Vertical	Pass
4	5721.600	94.76	-0.54	--	--	Peak	110.00	150	Vertical	N/A
4**	5721.600	86.38	-0.54	--	--	AV	110.00	150	Vertical	N/A
5	11532.724	49.09	19.55	68.2	-19.11	Peak	360.00	150	Vertical	Pass
5**	11532.724	36.63	19.55	54.0	-17.37	AV	360.00	150	Vertical	Pass
6	15688.162	55.09	23.58	68.2	-13.11	Peak	295.00	150	Vertical	Pass
6**	15688.162	42.73	23.58	54.0	-11.27	AV	295.00	150	Vertical	Pass



## 11n40, U-NII-2C&amp;U-NII-3, 1 GHz to 18 GHz, 142 Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1498.300	45.05	-15.16	68.2	-23.15	Peak	332.00	150	Horizontal	Pass
1**	1498.300	34.38	-15.16	54.0	-19.62	AV	332.00	150	Horizontal	Pass
2	3947.800	46.77	-4.77	68.2	-21.43	Peak	222.00	150	Horizontal	Pass
2**	3947.800	35.04	-4.77	54.0	-18.96	AV	222.00	150	Horizontal	Pass
3	4992.800	55.18	-1.03	68.2	-13.02	Peak	297.00	150	Horizontal	Pass
3**	4992.800	44.47	-1.03	54.0	-9.53	AV	297.00	150	Horizontal	Pass
4	5718.000	99.71	-0.56	--	--	Peak	5.00	150	Horizontal	N/A
4**	5718.000	92.45	-0.56	--	--	AV	5.00	150	Horizontal	N/A
5	11617.537	49.51	20.22	68.2	-18.69	Peak	360.00	150	Horizontal	Pass
5**	11617.537	38.16	20.22	54.0	-15.84	AV	360.00	150	Horizontal	Pass
6	15927.037	54.80	23.74	68.2	-13.40	Peak	350.00	150	Horizontal	Pass
6**	15927.037	43.05	23.74	54.0	-10.95	AV	350.00	150	Horizontal	Pass

## 11n40, U-NII-2C&amp;U-NII-3, 1 GHz to 18 GHz, 142 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	1495.500	44.43	-15.00	68.2	-23.77	Peak	232.00	150	Vertical	Pass
1**	1495.500	33.84	-15.00	54.0	-20.16	AV	232.00	150	Vertical	Pass
2	4259.200	49.53	-3.40	68.2	-18.67	Peak	265.00	150	Vertical	Pass
2**	4259.200	43.93	-3.40	54.0	-10.07	AV	265.00	150	Vertical	Pass
3	4998.800	50.99	-0.87	68.2	-17.21	Peak	147.00	150	Vertical	Pass
3**	4998.800	40.21	-0.87	54.0	-13.79	AV	147.00	150	Vertical	Pass
4	5713.800	91.93	-0.54	--	--	Peak	119.00	150	Vertical	N/A
4**	5713.800	84.31	-0.54	--	--	AV	119.00	150	Vertical	N/A
5	11756.975	49.21	18.88	68.2	-18.99	Peak	191.00	150	Vertical	Pass
5**	11756.975	37.74	18.88	54.0	-16.26	AV	191.00	150	Vertical	Pass
6	15941.737	54.78	23.91	68.2	-13.42	Peak	54.00	150	Vertical	Pass
6**	15941.737	43.85	23.91	54.0	-10.15	AV	54.00	150	Vertical	Pass

## 11ac20, U-NII-2C&amp;U-NII-3, 1 GHz to 18 GHz, 144 Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1543.200	44.47	-14.81	68.2	-29.53	Peak	324.00	150	Horizontal	Pass
1**	1543.200	34.62	-14.81	54.0	-19.38	AV	324.00	150	Horizontal	Pass
2	3980.600	47.11	-4.06	68.2	-26.89	Peak	318.00	150	Horizontal	Pass
2**	3980.600	37.48	-4.06	54.0	-16.52	AV	318.00	150	Horizontal	Pass
3	4992.400	55.84	-1.01	68.2	-18.16	Peak	298.00	150	Horizontal	Pass
3**	4992.400	45.24	-1.01	54.0	-8.76	AV	298.00	150	Horizontal	Pass
4	5715.200	101.98	-0.56	--	--	Peak	13.00	150	Horizontal	N/A
4**	5715.200	94.77	-0.56	--	--	AV	13.00	150	Horizontal	N/A
5	11782.850	49.80	18.69	68.2	-18.40	Peak	287.00	150	Horizontal	Pass
5**	11782.850	38.13	18.69	54.0	-15.87	AV	287.00	150	Horizontal	Pass
6	16003.951	54.72	24.01	68.2	-13.48	Peak	350.00	150	Horizontal	Pass
6**	16003.951	42.77	24.01	54.0	-11.23	AV	350.00	150	Horizontal	Pass

## 11ac20, U-NII-2C&amp;U-NII-3, 1 GHz to 18 GHz, 144 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	1540.100	43.34	-14.97	68.2	-30.66	Peak	239.00	150	Vertical	Pass
1**	1540.100	33.96	-14.97	54.0	-20.04	AV	239.00	150	Vertical	Pass
2	4027.200	46.31	-3.84	68.2	-27.69	Peak	281.00	150	Vertical	Pass
2**	4027.200	35.66	-3.84	54.0	-18.34	AV	281.00	150	Vertical	Pass
3	4989.600	51.11	-1.10	68.2	-22.89	Peak	345.00	150	Vertical	Pass
3**	4989.600	39.28	-1.10	54.0	-14.72	AV	345.00	150	Vertical	Pass
4	5722.400	94.79	-0.52	--	--	Peak	110.00	150	Vertical	N/A
4**	5722.400	88.44	-0.52	--	--	AV	110.00	150	Vertical	N/A
5	11087.963	49.72	18.90	68.2	-18.48	Peak	153.00	150	Vertical	Pass
5**	11087.963	38.61	18.90	54.0	-15.39	AV	153.00	150	Vertical	Pass
6	16006.838	55.05	24.00	68.2	-13.15	Peak	87.00	150	Vertical	Pass
6**	16006.838	43.58	24.00	54.0	-10.42	AV	87.00	150	Vertical	Pass

## 11ac40, U-NII-2C&amp;U-NII-3, 1 GHz to 18 GHz, 142 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	1569.100	45.00	-15.31	68.2	-23.20	Peak	324.00	150	Horizontal	Pass
1**	1569.100	34.42	-15.31	54.0	-19.58	AV	324.00	150	Horizontal	Pass
2	3979.800	46.42	-4.04	68.2	-21.78	Peak	307.00	150	Horizontal	Pass
2**	3979.800	36.25	-4.04	54.0	-17.75	AV	307.00	150	Horizontal	Pass
3	4991.600	54.30	-1.00	68.2	-13.90	Peak	288.00	150	Horizontal	Pass
3**	4991.600	44.96	-1.00	54.0	-9.04	AV	288.00	150	Horizontal	Pass
4	5705.400	99.94	-0.62	--	--	Peak	14.00	150	Horizontal	N/A
4**	5705.400	92.76	-0.62	--	--	AV	14.00	150	Horizontal	N/A
5	11681.651	49.99	20.05	68.2	-18.21	Peak	216.00	150	Horizontal	Pass
5**	11681.651	37.91	20.05	54.0	-16.09	AV	216.00	150	Horizontal	Pass
6	15647.737	55.24	23.53	68.2	-12.96	Peak	282.00	150	Horizontal	Pass
6**	15647.737	44.15	23.53	54.0	-9.85	AV	282.00	150	Horizontal	Pass

## 11ac40, U-NII-2C&amp;U-NII-3, 1 GHz to 18 GHz, 142 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	1497.900	43.41	-15.13	68.2	-30.59	Peak	238.00	150	Vertical	Pass
1**	1497.900	35.60	-15.13	54.0	-18.40	AV	238.00	150	Vertical	Pass
2	4007.600	46.58	-4.49	68.2	-27.42	Peak	277.00	150	Vertical	Pass
2**	4007.600	35.65	-4.49	54.0	-18.35	AV	277.00	150	Vertical	Pass
3	4982.000	51.68	-1.23	68.2	-16.52	Peak	143.00	150	Vertical	Pass
3**	4982.000	38.07	-1.23	54.0	-15.93	AV	143.00	150	Vertical	Pass
4	5713.600	91.74	-0.52	--	--	Peak	114.00	150	Vertical	N/A
4**	5713.600	84.36	-0.52	--	--	AV	114.00	150	Vertical	N/A
5	11553.424	48.70	19.73	68.2	-25.30	Peak	98.00	150	Vertical	Pass
5**	11553.424	36.92	19.73	54.0	-17.08	AV	98.00	150	Vertical	Pass
6	15624.901	55.00	23.48	68.2	-13.20	Peak	193.00	150	Vertical	Pass
6**	15624.901	43.31	23.48	54.0	-10.69	AV	193.00	150	Vertical	Pass

## 11ac80, U-NII-2C&amp;U-NII-3, 1 GHz to 18 GHz, 138 Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1532.300	44.73	-15.07	68.2	-23.47	Peak	332.00	150	Horizontal	Pass
1**	1532.300	36.32	-15.07	54.0	-17.68	AV	332.00	150	Horizontal	Pass
2	3978.200	46.71	-4.08	68.2	-21.49	Peak	180.00	150	Horizontal	Pass
2**	3978.200	35.23	-4.08	54.0	-18.77	AV	180.00	150	Horizontal	Pass
3	4991.800	55.20	-0.99	68.2	-13.00	Peak	297.00	150	Horizontal	Pass
3**	4991.800	44.61	-0.99	54.0	-9.39	AV	297.00	150	Horizontal	Pass
4	5671.800	96.72	-0.12	--	--	Peak	5.00	150	Horizontal	N/A
4**	5671.800	88.99	-0.12	--	--	AV	5.00	150	Horizontal	N/A
5	11586.201	49.44	19.96	68.2	-18.76	Peak	0.00	150	Horizontal	Pass
5**	11586.201	36.67	19.96	54.0	-17.33	AV	0.00	150	Horizontal	Pass
6	15504.675	54.78	23.92	68.2	-13.42	Peak	237.00	150	Horizontal	Pass
6**	15504.675	42.78	23.92	54.0	-11.22	AV	237.00	150	Horizontal	Pass

## 11ac80, U-NII-2C&amp;U-NII-3, 1 GHz to 18 GHz, 138 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	1479.400	43.53	-15.02	68.2	-24.67	Peak	221.00	150	Vertical	Pass
1**	1479.400	35.39	-15.02	54.0	-18.61	AV	221.00	150	Vertical	Pass
2	4264.800	49.09	-3.21	68.2	-19.11	Peak	250.00	150	Vertical	Pass
2**	4264.800	35.51	-3.21	54.0	-18.49	AV	250.00	150	Vertical	Pass
3	4999.200	51.67	-0.89	68.2	-16.53	Peak	329.00	150	Vertical	Pass
3**	4999.200	40.31	-0.89	54.0	-13.69	AV	329.00	150	Vertical	Pass
4	5668.800	88.10	0.01	--	--	Peak	110.00	150	Vertical	N/A
4**	5668.800	80.06	0.01	--	--	AV	110.00	150	Vertical	N/A
5	11263.050	48.74	18.03	68.2	-19.46	Peak	200.00	150	Vertical	Pass
5**	11263.050	36.21	18.03	54.0	-17.79	AV	200.00	150	Vertical	Pass
6	15598.913	55.21	23.55	68.2	-12.99	Peak	30.00	150	Vertical	Pass
6**	15598.913	43.45	23.55	54.0	-10.55	AV	30.00	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
802.11ac(VHT40)	Low	Pass	
	High	Pass	
802.11ac(VHT80)	Middle	Pass	
U-NII-2A	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
802.11ac(VHT40)	Low	Pass	
	High	Pass	
802.11ac(VHT80)	Middle	Pass	
U-NII-2C	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
802.11ac(VHT40)	Low	Pass	
	High	Pass	
802.11ac(VHT80)	Low	Pass	
	High	Pass	
U-NII-3	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
802.11ac(VHT40)	Low	Pass	
	High	Pass	

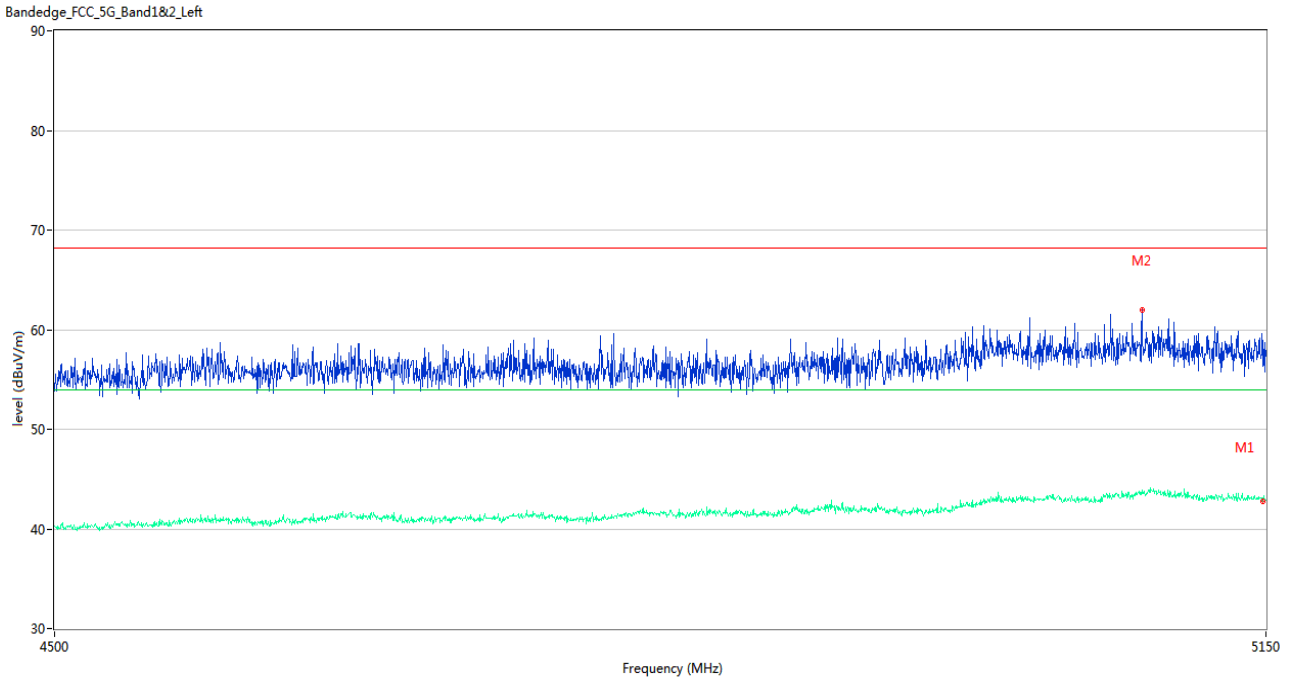
	802.11ac(VHT80)	Middle	Pass
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Test Band	Mode	Channel	Verdict
U-NII-2C & U-NII-3	802.11a	144	Pass
	802.11n(HT20)	144	Pass
	802.11n(HT40)	142	Pass
	802.11ac(VHT20)	144	Pass
	802.11ac(VHT40)	142	Pass
	802.11ac(VHT80)	138	Pass

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

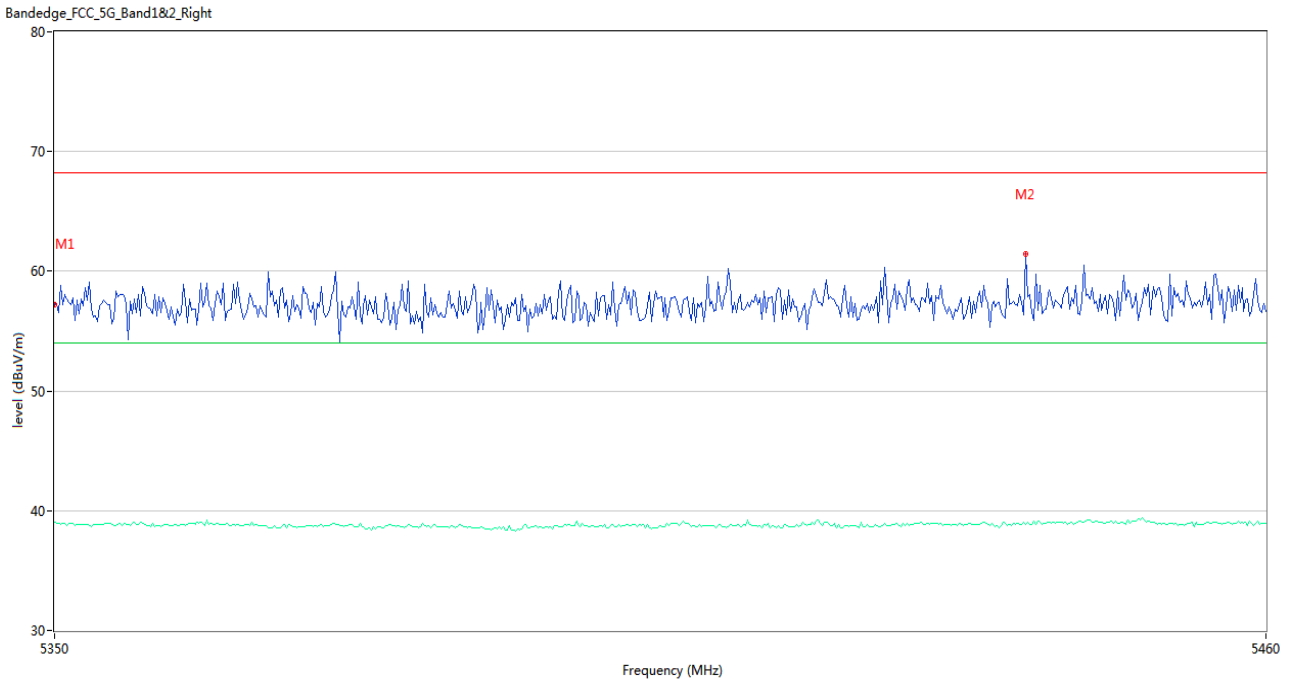
Test Data and Plots

U-NII-1 11a CH36



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	57.36	5.16	68.2	-10.84	Peak	87.00	150	Horizontal	Pass
1**	5150.000	42.89	5.16	54.0	-11.11	AV	87.00	150	Horizontal	Pass
2	5079.475	61.99	5.89	68.2	-6.21	Peak	54.00	150	Horizontal	Pass
2**	5079.475	43.94	5.89	54.0	-10.06	AV	54.00	150	Horizontal	Pass

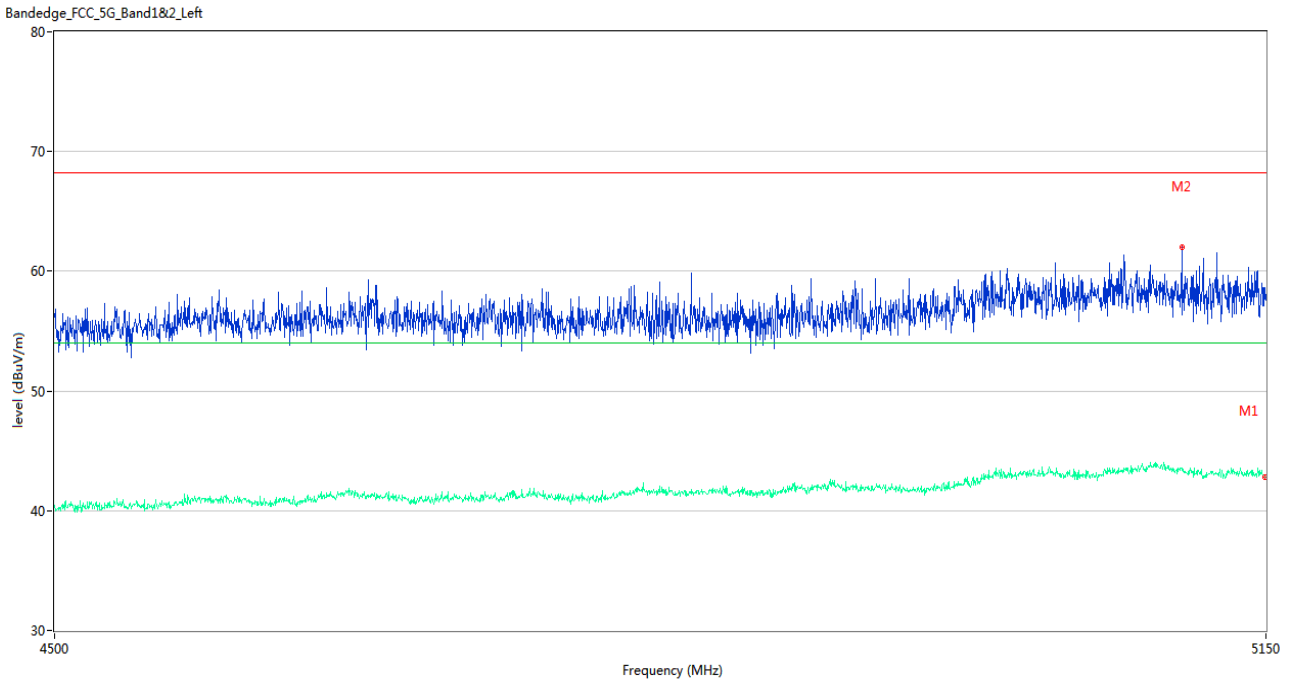
U-NII-1 11a CH48



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	57.25	5.95	68.2	-10.95	Peak	360.00	150	Horizontal	Pass
1**	5350.000	39.00	5.95	54.0	-15.00	AV	360.00	150	Horizontal	Pass
2	5438.000	61.41	5.65	68.2	-6.79	Peak	256.00	150	Horizontal	Pass
2**	5438.000	38.85	5.65	54.0	-15.15	AV	256.00	150	Horizontal	Pass

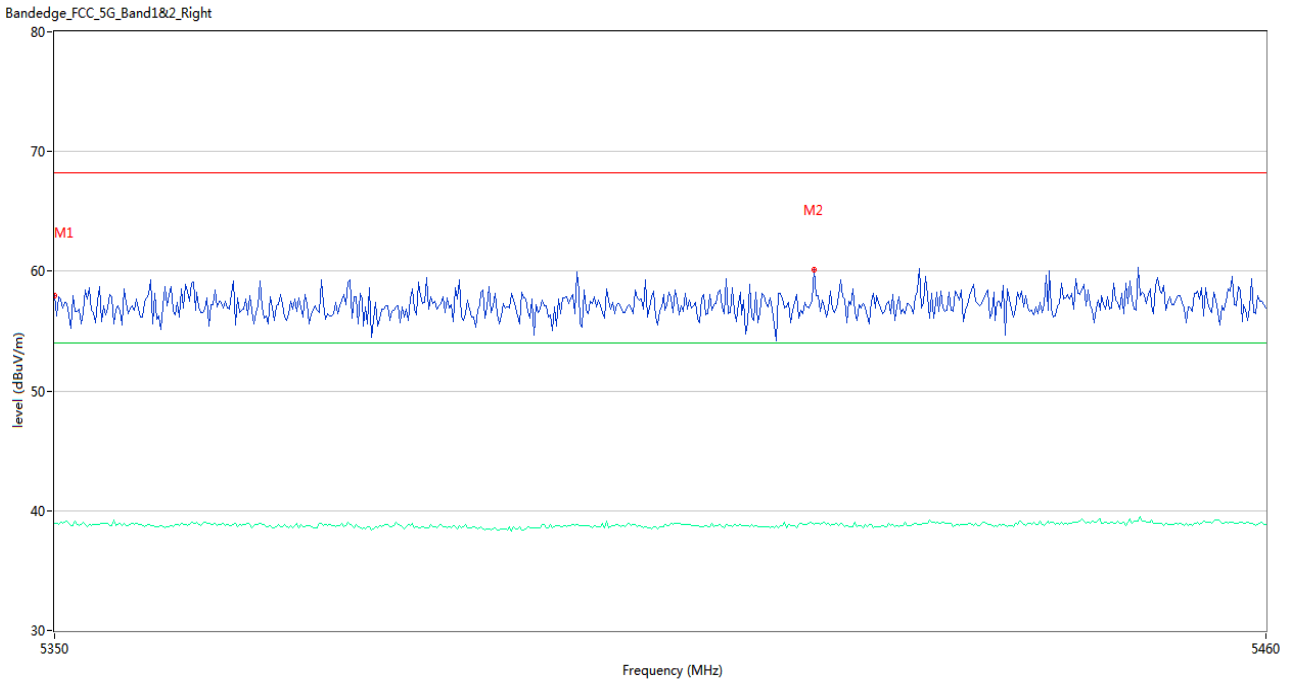


U-NII-1 11n20 CH36



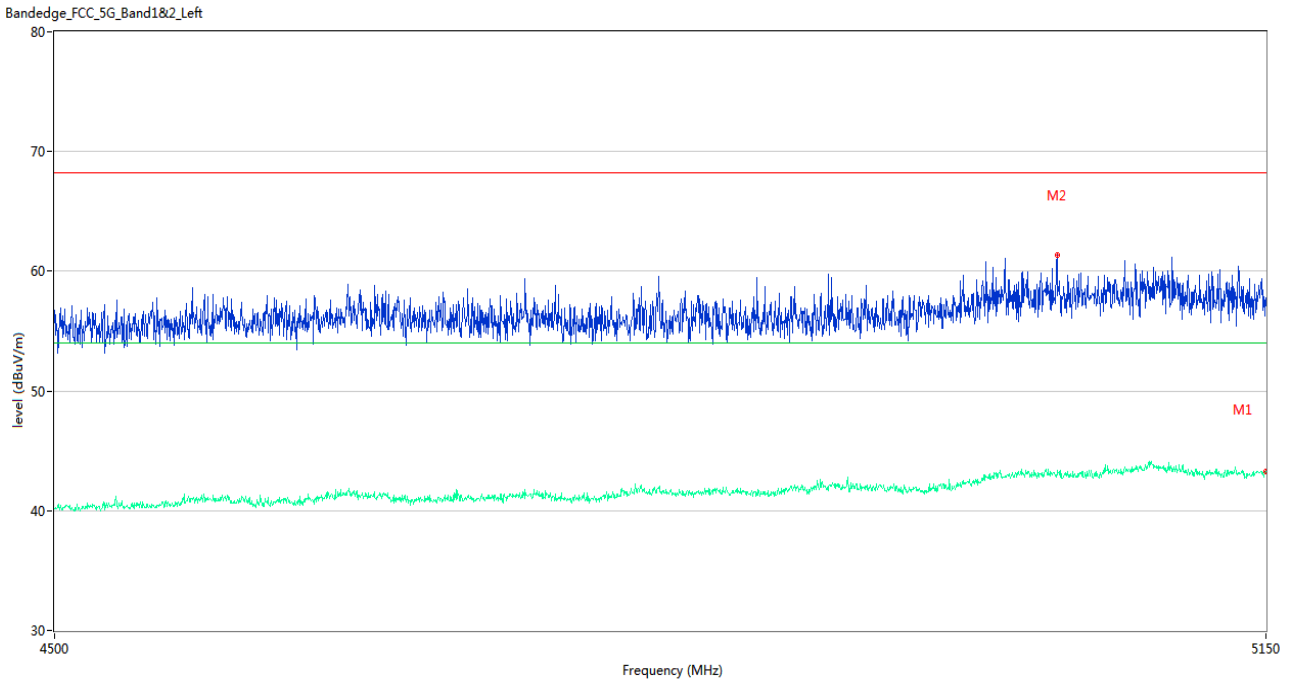
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	57.61	5.16	68.2	-10.59	Peak	24.00	150	Horizontal	Pass
1**	5150.000	42.99	5.16	54.0	-11.01	AV	24.00	150	Horizontal	Pass
2	5101.900	62.02	5.93	68.2	-6.18	Peak	334.00	150	Horizontal	Pass
2**	5101.900	43.60	5.93	54.0	-10.40	AV	334.00	150	Horizontal	Pass

U-NII-1 11n20 CH48



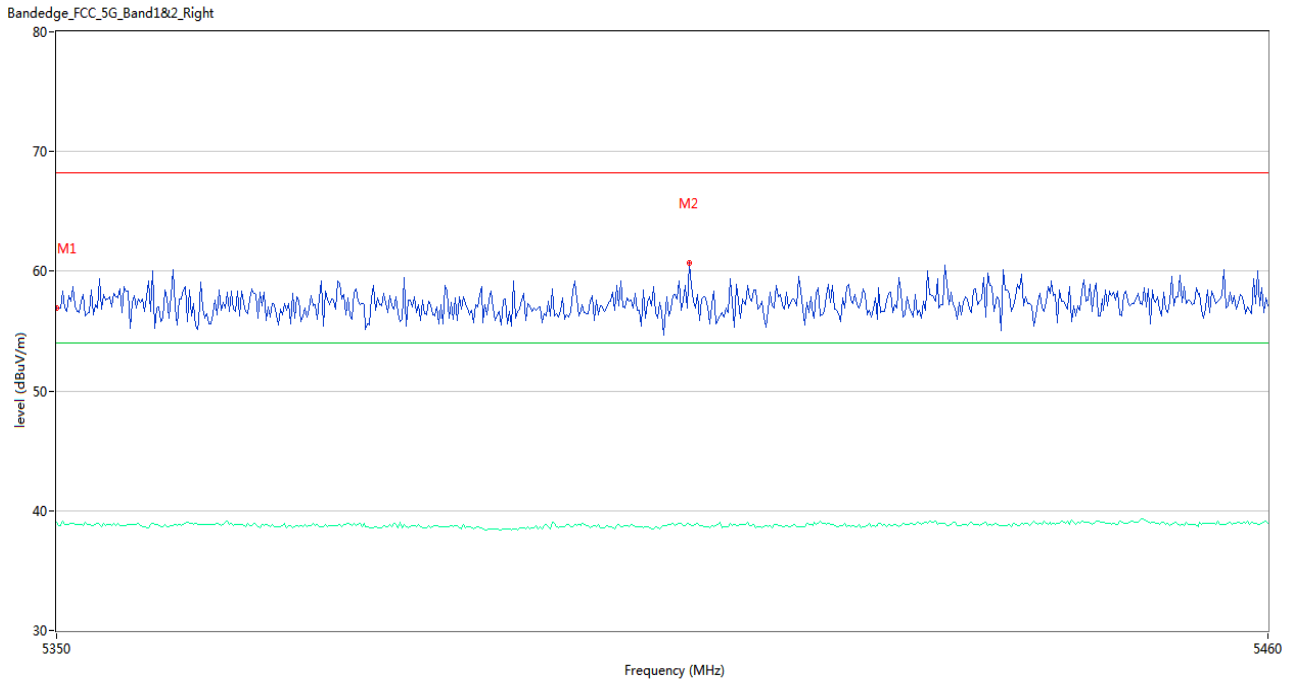
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	57.96	5.95	68.2	-10.24	Peak	268.00	150	Horizontal	Pass
1**	5350.000	38.99	5.95	54.0	-15.01	AV	268.00	150	Horizontal	Pass
2	5418.750	60.15	5.78	68.2	-8.05	Peak	8.00	150	Horizontal	Pass
2**	5418.750	38.90	5.78	54.0	-15.10	AV	8.00	150	Horizontal	Pass

U-NII-1 11n40 CH38



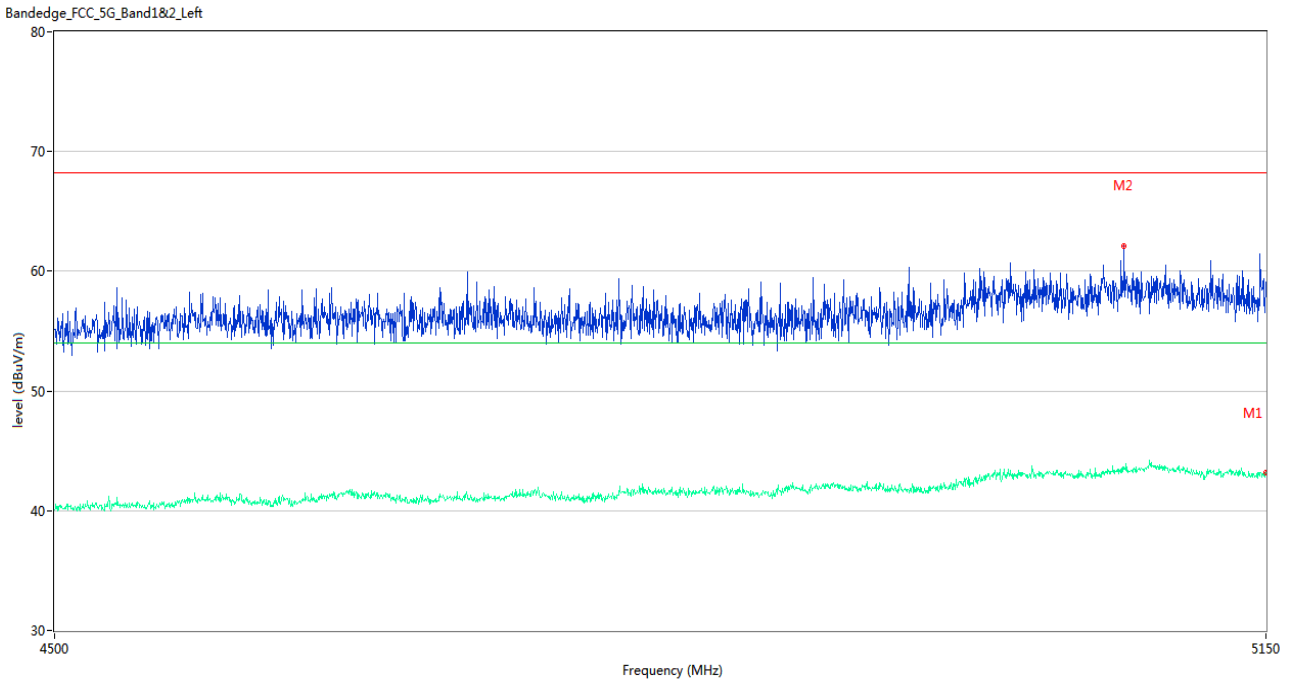
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	57.82	5.16	68.2	-10.38	Peak	52.00	150	Horizontal	Pass
1**	5150.000	43.23	5.16	54.0	-10.77	AV	52.00	150	Horizontal	Pass
2	5031.700	61.31	5.40	68.2	-6.89	Peak	313.00	150	Horizontal	Pass
2**	5031.700	43.03	5.40	54.0	-10.97	AV	313.00	150	Horizontal	Pass

U-NII-1 11n40 CH46



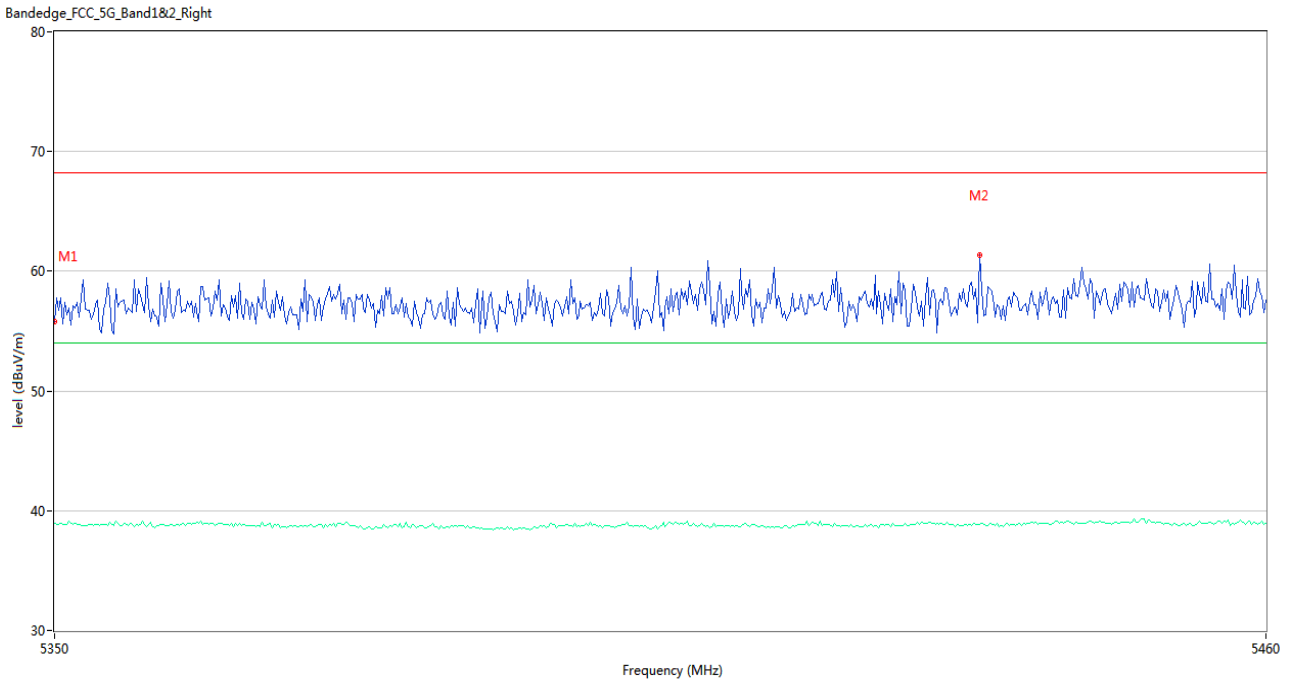
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.90	5.95	68.2	-11.30	Peak	103.00	150	Horizontal	Pass
1**	5350.000	39.06	5.95	54.0	-14.94	AV	103.00	150	Horizontal	Pass
2	5407.200	60.70	5.74	68.2	-7.50	Peak	225.00	150	Horizontal	Pass
2**	5407.200	38.83	5.74	54.0	-15.17	AV	225.00	150	Horizontal	Pass

U-NII-1 11ac20 CH36



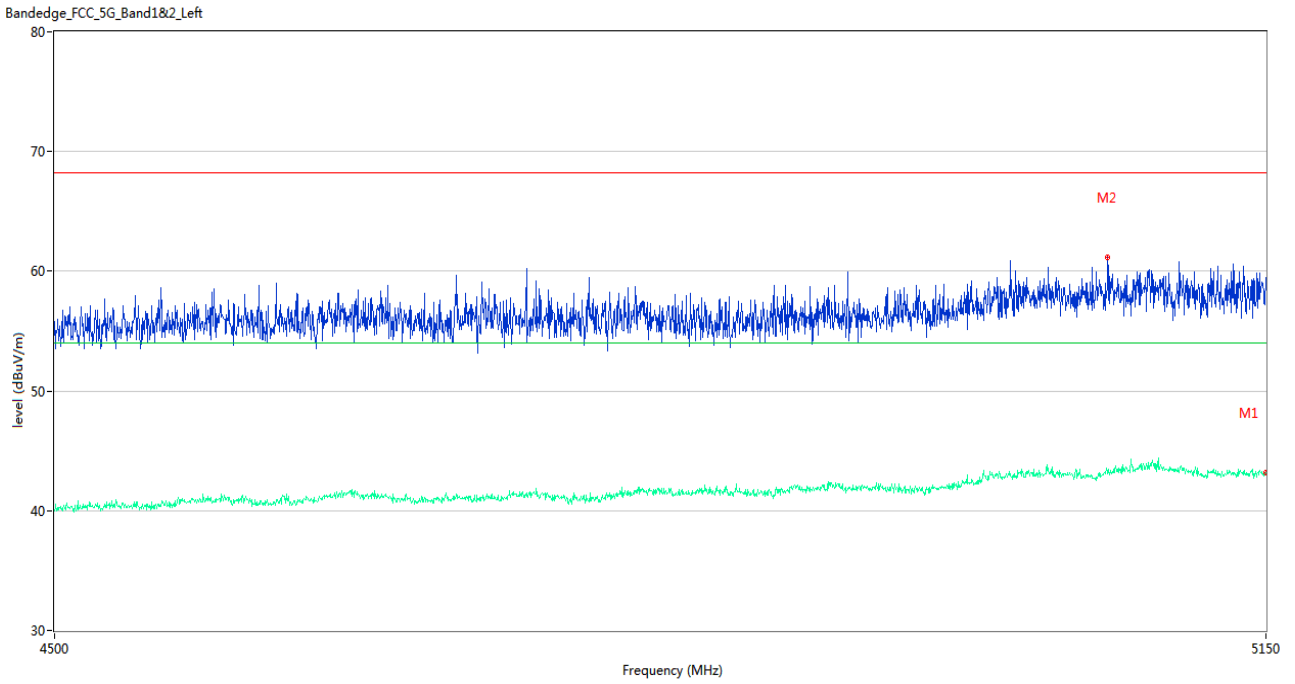
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	59.08	5.16	68.2	-9.12	Peak	135.00	150	Horizontal	Pass
1**	5150.000	43.17	5.16	54.0	-10.83	AV	135.00	150	Horizontal	Pass
2	5069.400	62.15	5.65	68.2	-6.05	Peak	304.00	150	Horizontal	Pass
2**	5069.400	43.62	5.65	54.0	-10.38	AV	304.00	150	Horizontal	Pass

U-NII-1 11ac20 CH48



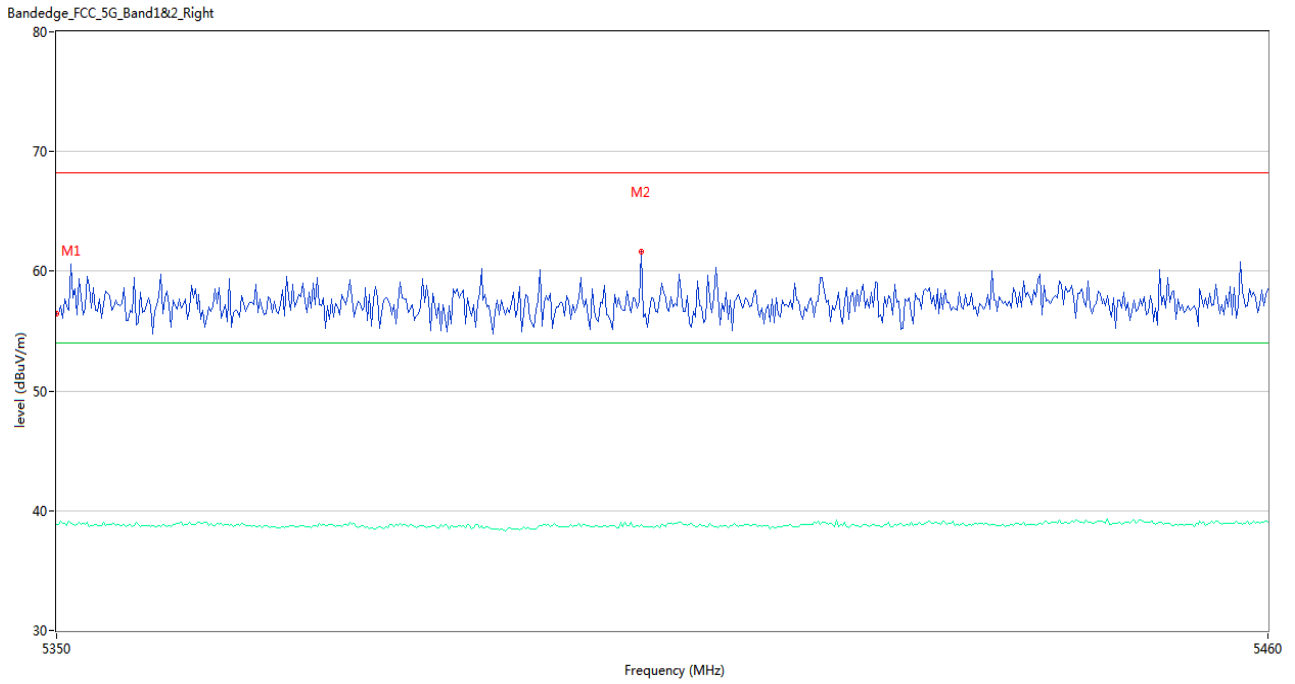
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.78	5.95	68.2	-12.42	Peak	19.00	150	Horizontal	Pass
1**	5350.000	38.93	5.95	54.0	-15.07	AV	19.00	150	Horizontal	Pass
2	5433.783	61.34	5.67	68.2	-6.86	Peak	239.00	150	Horizontal	Pass
2**	5433.783	38.88	5.67	54.0	-15.12	AV	239.00	150	Horizontal	Pass

U-NII-1 11ac40 CH38



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	59.47	5.16	68.2	-8.73	Peak	104.00	150	Horizontal	Pass
1**	5150.000	43.17	5.16	54.0	-10.83	AV	104.00	150	Horizontal	Pass
2	5059.975	61.19	5.50	68.2	-7.01	Peak	307.00	150	Horizontal	Pass
2**	5059.975	43.06	5.50	54.0	-10.94	AV	307.00	150	Horizontal	Pass

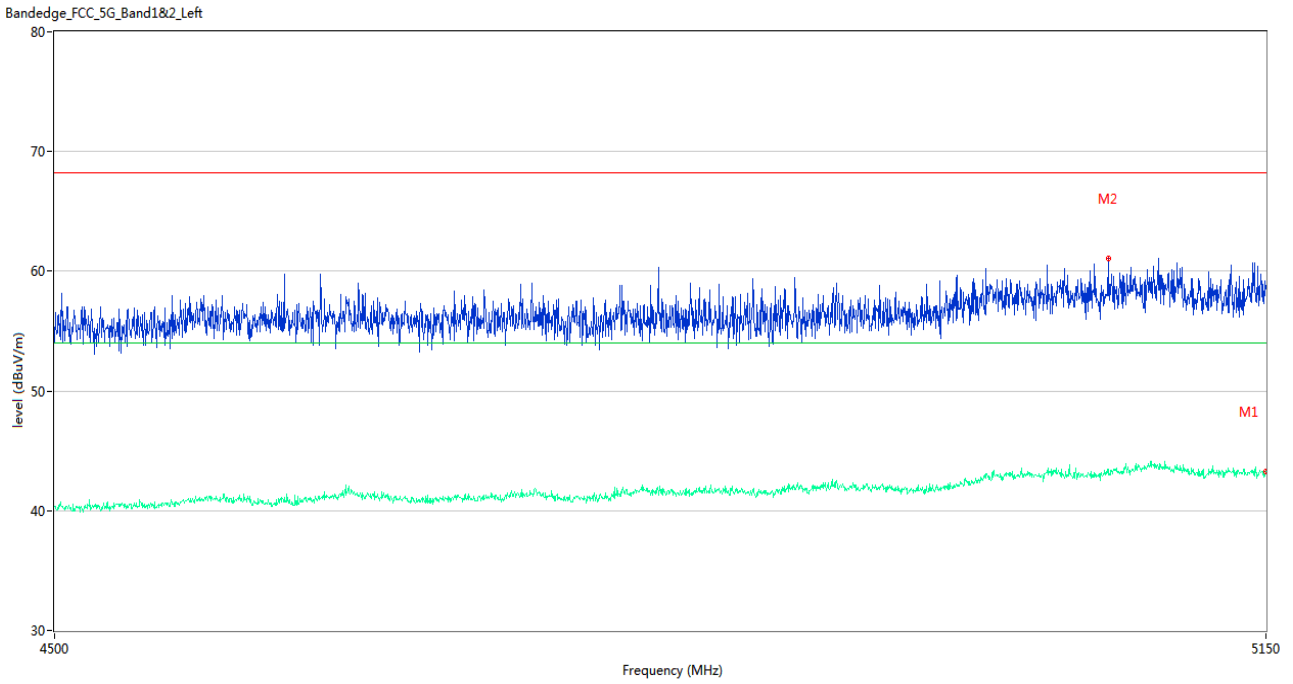
U-NII-1 11ac40 CH46



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.44	5.95	68.2	-11.76	Peak	353.00	150	Horizontal	Pass
1**	5350.000	38.88	5.95	54.0	-15.12	AV	353.00	150	Horizontal	Pass
2	5402.800	61.65	5.62	68.2	-6.55	Peak	353.00	150	Horizontal	Pass
2**	5402.800	38.85	5.62	54.0	-15.15	AV	353.00	150	Horizontal	Pass

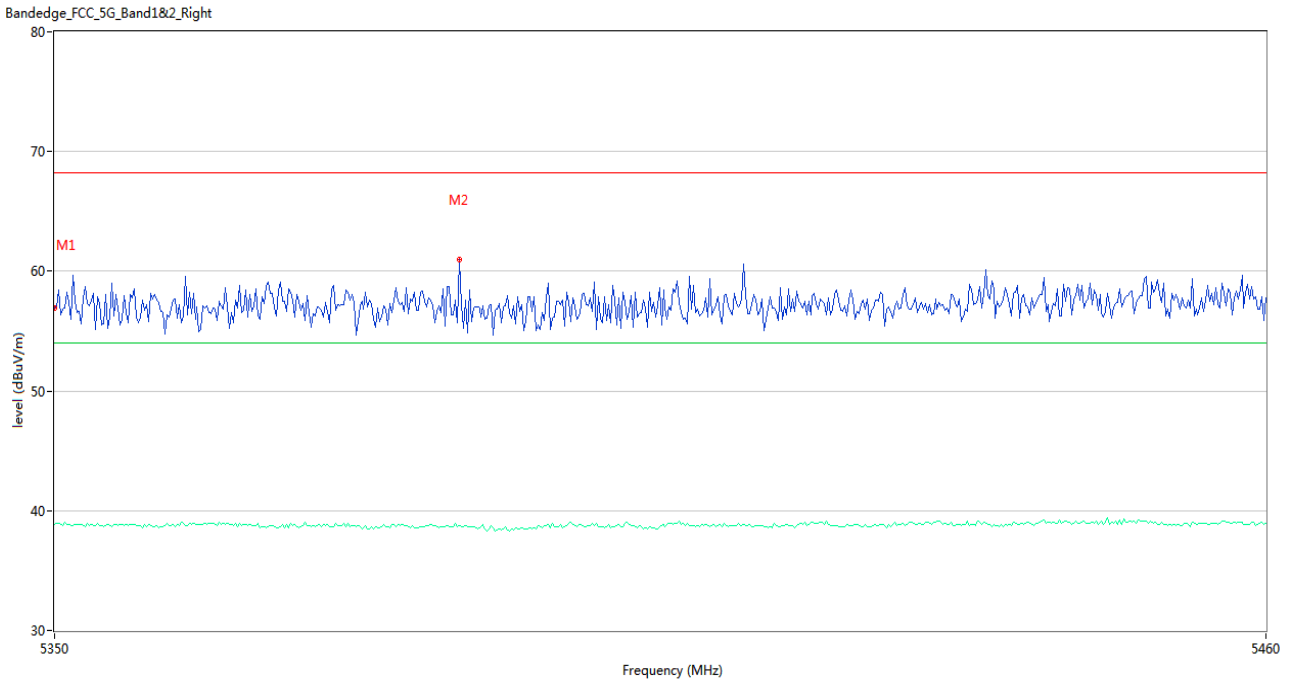


U-NII-1 11ac80 CH42



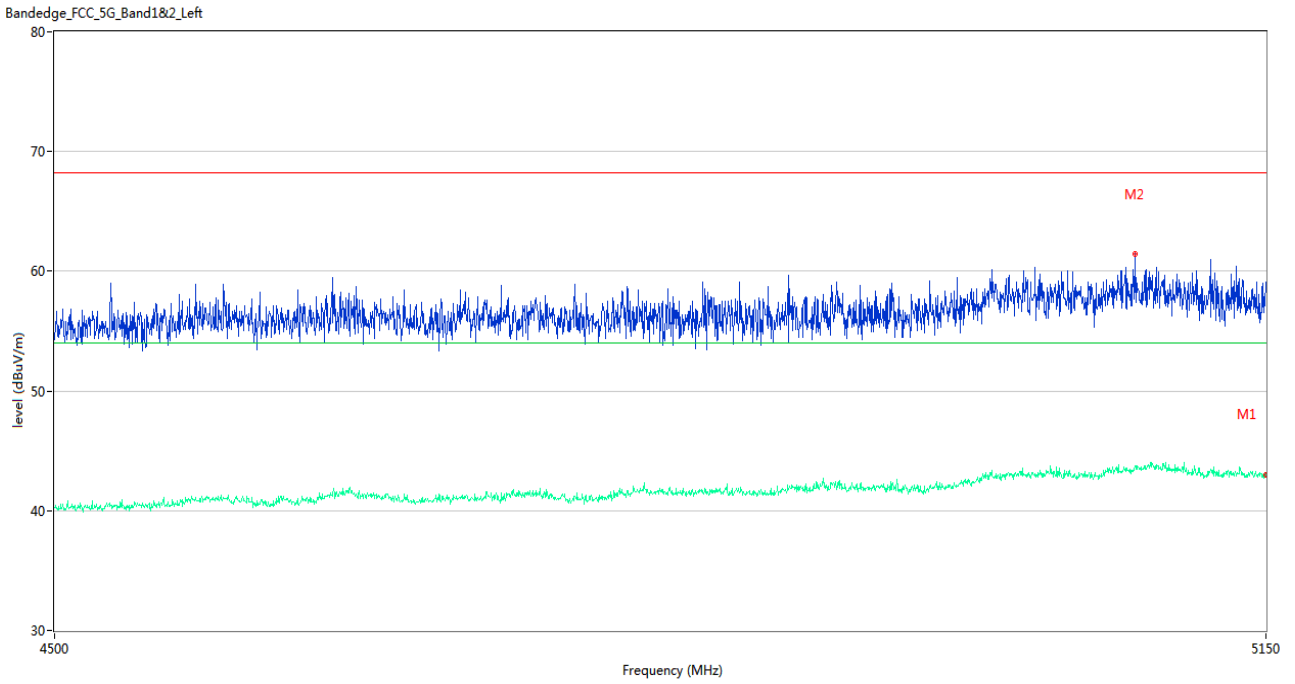
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	58.55	5.16	68.2	-9.65	Peak	211.00	150	Horizontal	Pass
1**	5150.000	43.30	5.16	54.0	-10.70	AV	211.00	150	Horizontal	Pass
2	5060.300	61.11	5.48	68.2	-7.09	Peak	350.00	150	Horizontal	Pass
2**	5060.300	43.49	5.48	54.0	-10.51	AV	350.00	150	Horizontal	Pass

U-NII-1 11ac80 CH42



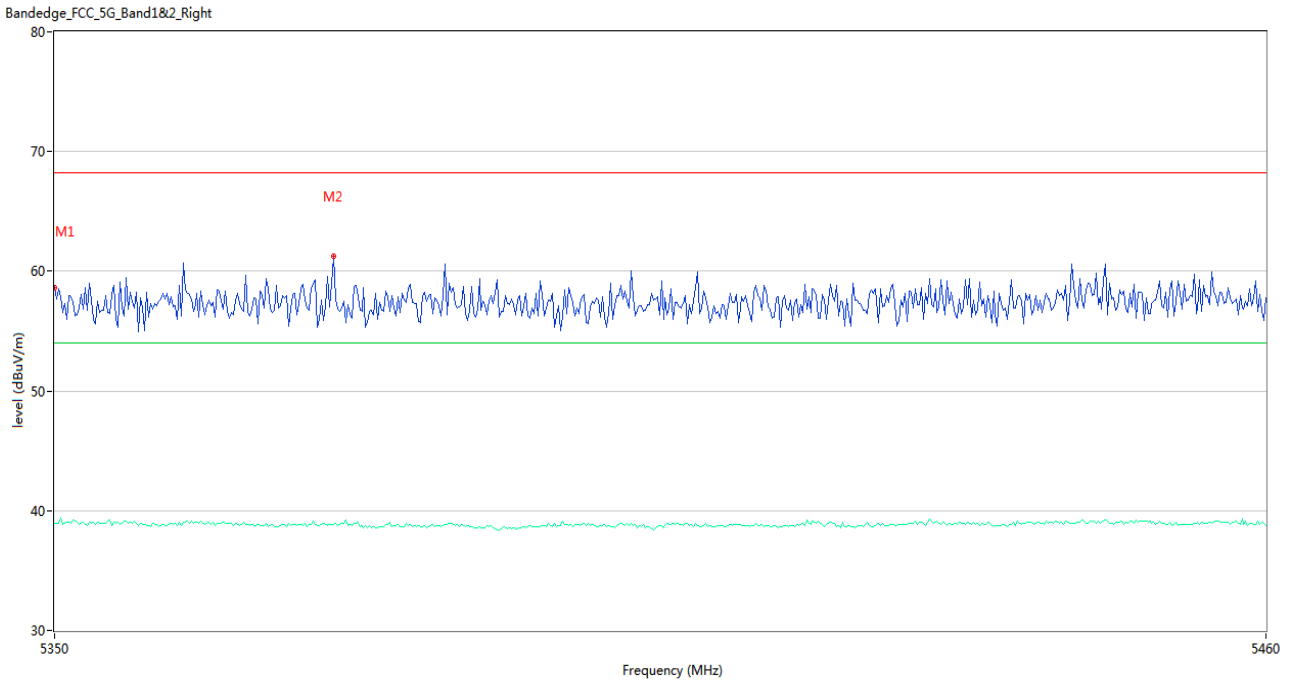
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.95	5.95	68.2	-11.25	Peak	352.00	150	Horizontal	Pass
1**	5350.000	38.87	5.95	54.0	-15.13	AV	352.00	150	Horizontal	Pass
2	5386.483	60.99	5.61	68.2	-7.21	Peak	102.00	150	Horizontal	Pass
2**	5386.483	38.79	5.61	54.0	-15.21	AV	102.00	150	Horizontal	Pass

U-NII-2A 11a CH52



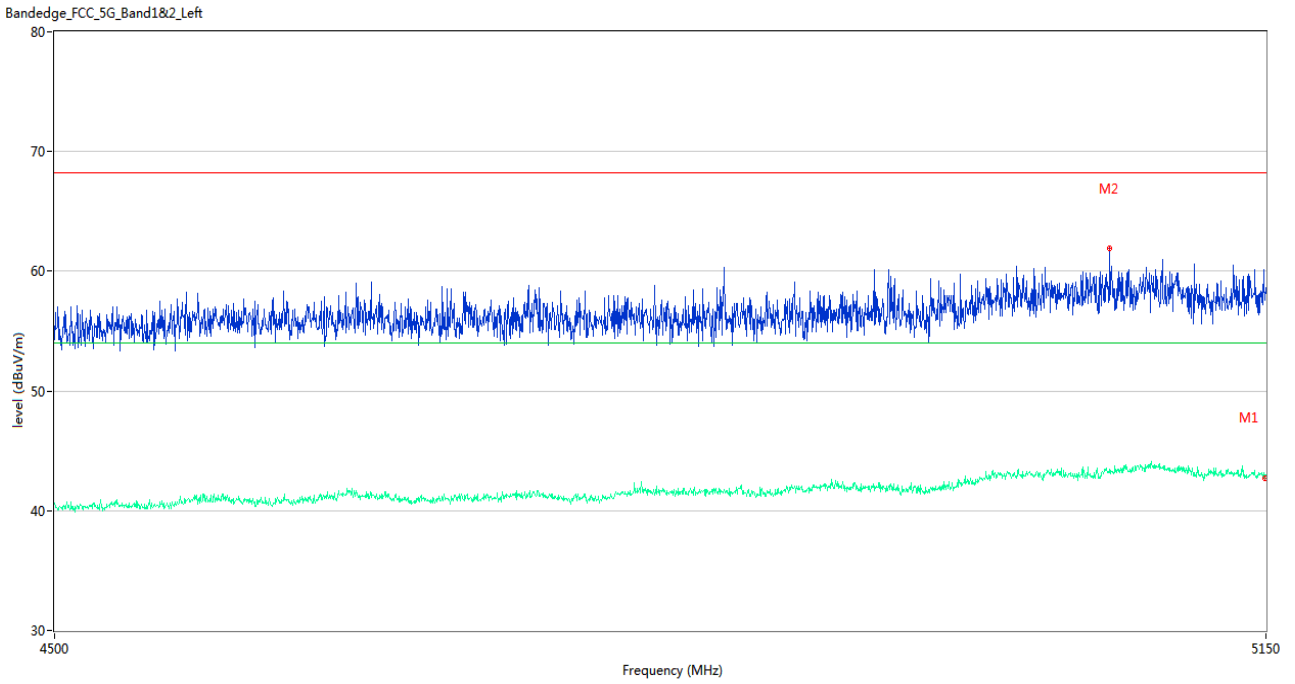
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	59.06	5.16	68.2	-9.14	Peak	0.00	150	Horizontal	Pass
1**	5150.000	42.98	5.16	54.0	-11.02	AV	0.00	150	Horizontal	Pass
2	5075.250	61.42	5.74	68.2	-6.78	Peak	190.00	150	Horizontal	Pass
2**	5075.250	43.76	5.74	54.0	-10.24	AV	190.00	150	Horizontal	Pass

U-NII-2A 11a CH64



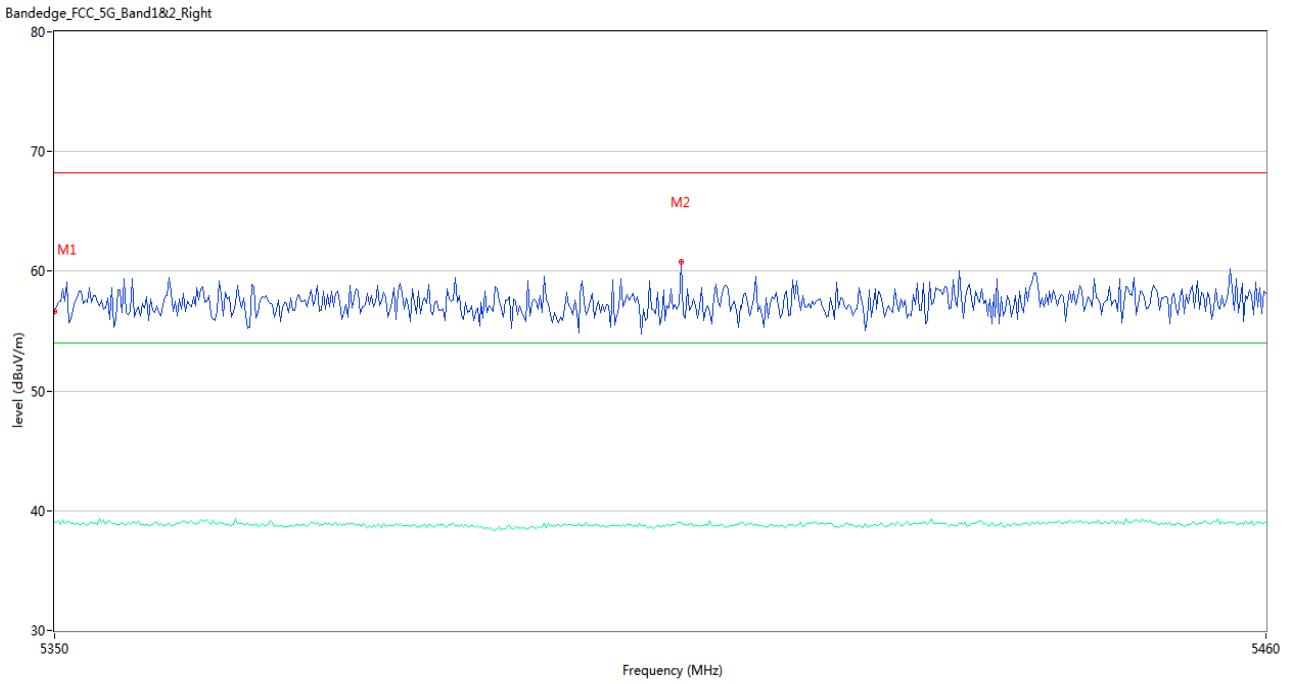
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	58.58	5.95	68.2	-9.62	Peak	230.00	150	Horizontal	Pass
1**	5350.000	38.94	5.95	54.0	-15.06	AV	230.00	150	Horizontal	Pass
2	5375.117	61.25	5.71	68.2	-6.95	Peak	281.00	150	Horizontal	Pass
2**	5375.117	38.81	5.71	54.0	-15.19	AV	281.00	150	Horizontal	Pass

U-NII-2A 11n20 CH52



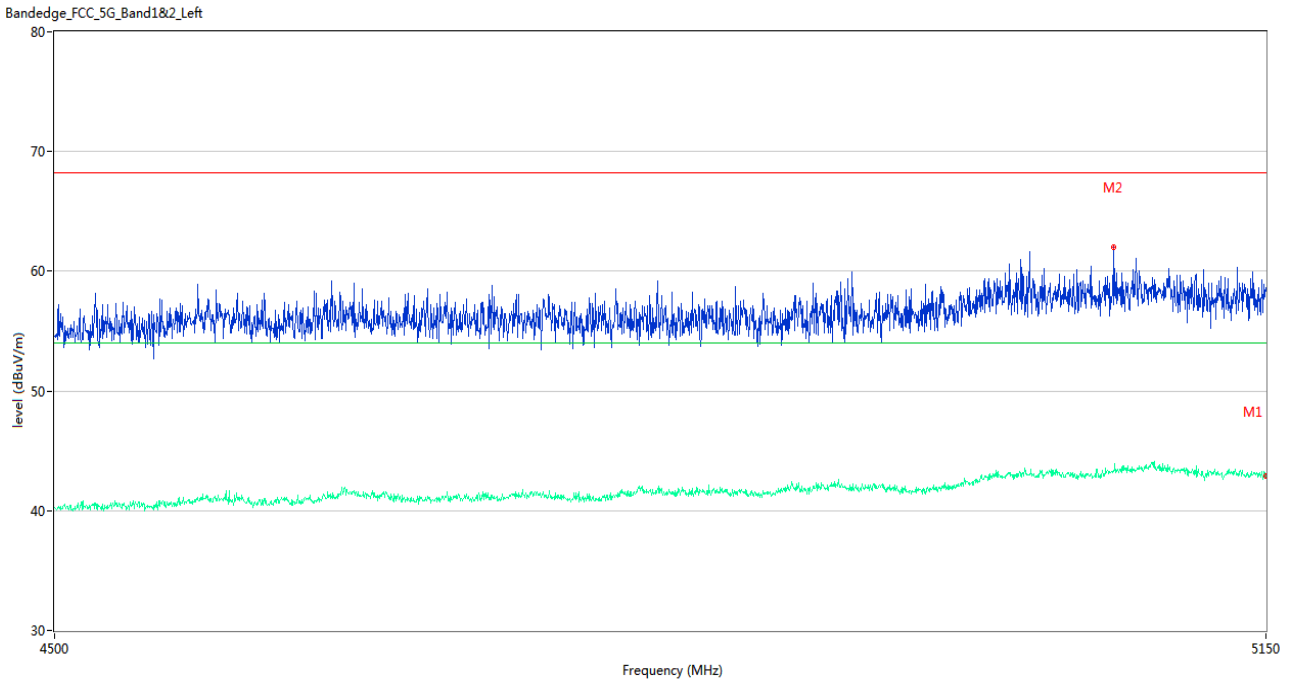
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	58.59	5.16	68.2	-9.61	Peak	181.00	150	Horizontal	Pass
1**	5150.000	43.00	5.16	54.0	-11.00	AV	181.00	150	Horizontal	Pass
2	5061.275	61.95	5.44	68.2	-6.25	Peak	349.00	150	Horizontal	Pass
2**	5061.275	43.19	5.44	54.0	-10.81	AV	349.00	150	Horizontal	Pass

U-NII-2A 11n20 CH64



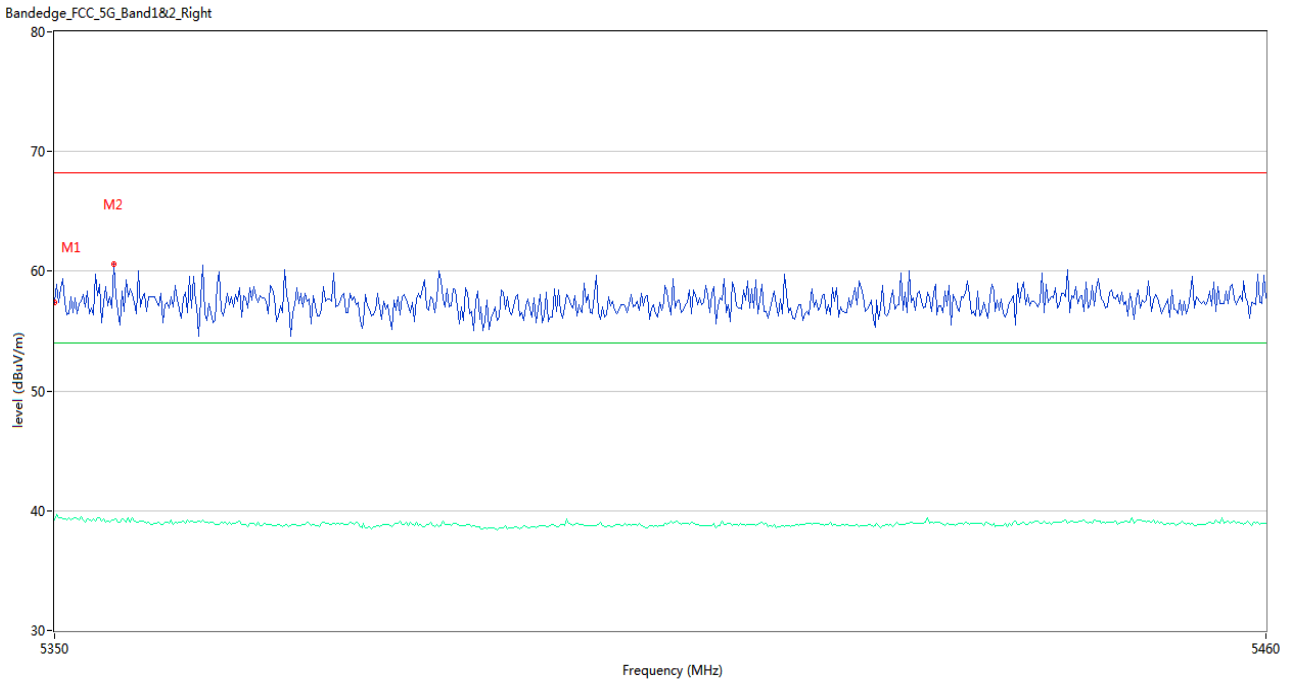
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.60	5.95	68.2	-11.60	Peak	188.00	150	Horizontal	Pass
1**	5350.000	39.02	5.95	54.0	-14.98	AV	188.00	150	Horizontal	Pass
2	5406.650	60.80	5.80	68.2	-7.40	Peak	188.00	150	Horizontal	Pass
2**	5406.650	38.95	5.80	54.0	-15.05	AV	188.00	150	Horizontal	Pass

U-NII-2A 11n40 CH54



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	58.58	5.16	68.2	-9.62	Peak	280.00	150	Horizontal	Pass
1**	5150.000	42.90	5.16	54.0	-11.10	AV	280.00	150	Horizontal	Pass
2	5063.550	61.99	5.53	68.2	-6.21	Peak	280.00	150	Horizontal	Pass
2**	5063.550	43.34	5.53	54.0	-10.66	AV	280.00	150	Horizontal	Pass

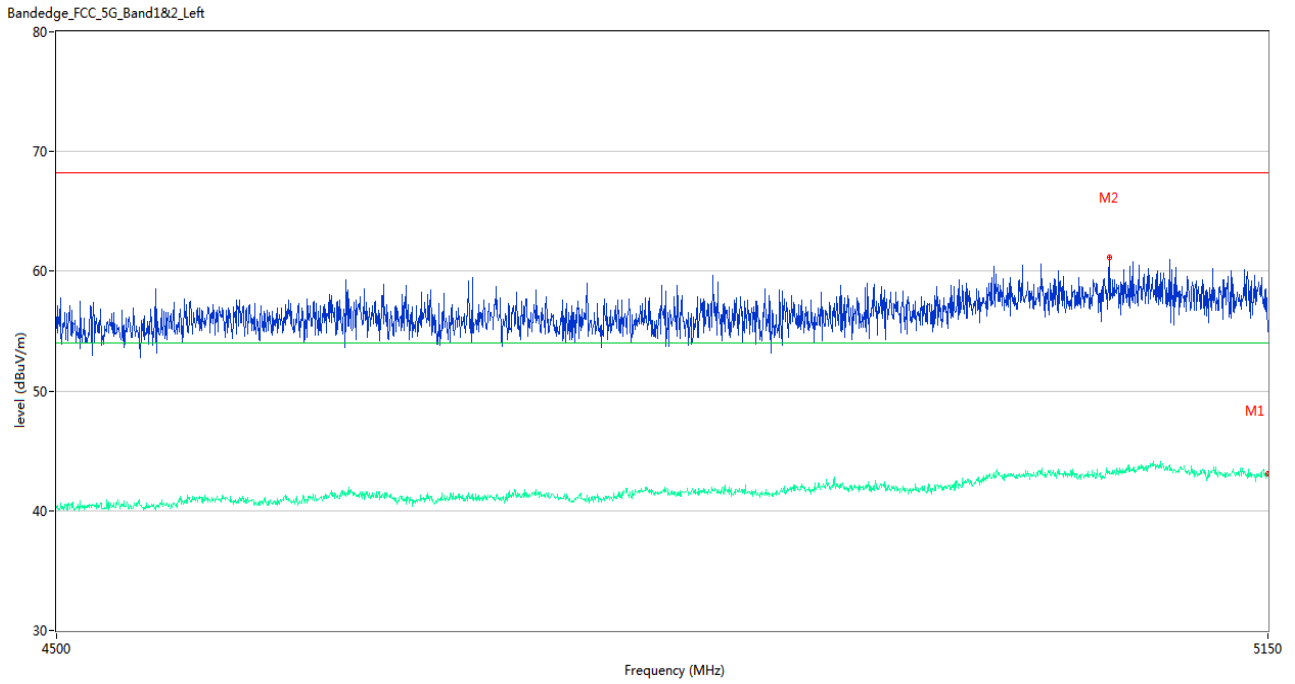
U-NII-2A 11n40 CH62



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	57.43	5.95	68.2	-10.77	Peak	154.00	150	Horizontal	Pass
1**	5350.000	39.24	5.95	54.0	-14.76	AV	154.00	150	Horizontal	Pass
2	5355.317	60.63	5.87	68.2	-7.57	Peak	0.00	150	Horizontal	Pass
2**	5355.317	39.26	5.87	54.0	-14.74	AV	0.00	150	Horizontal	Pass

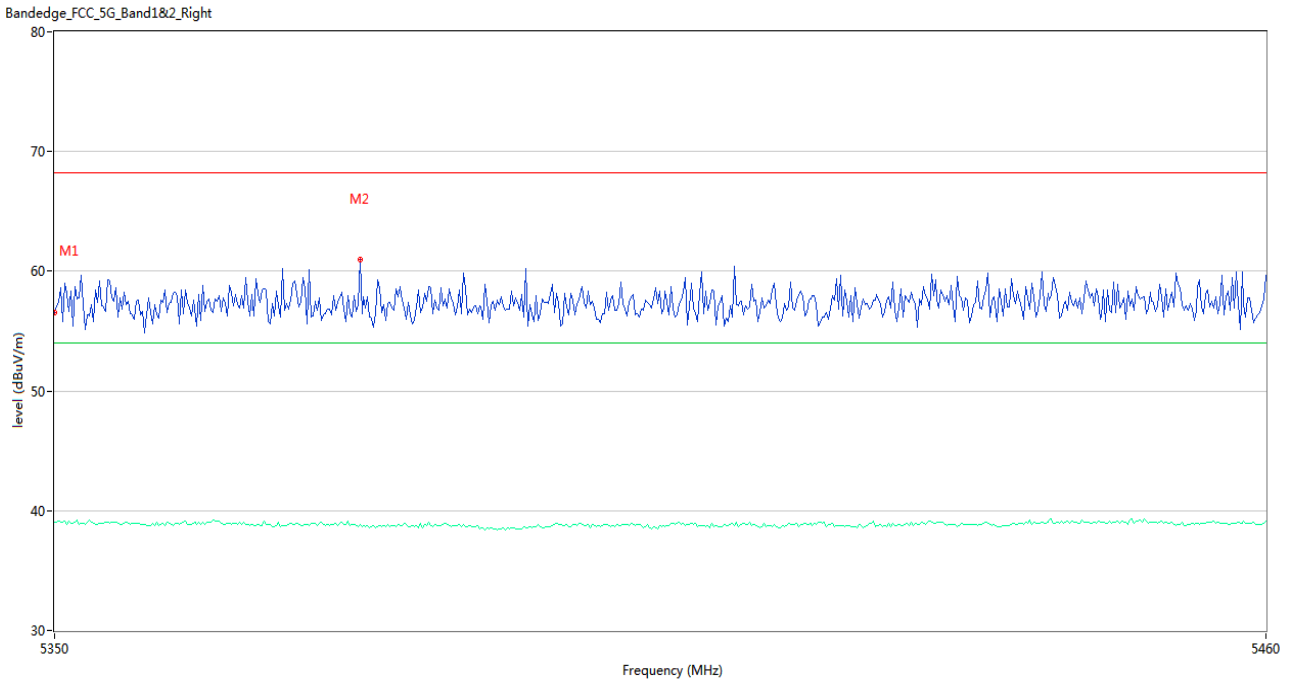


U-NII-2A 11ac20 CH52



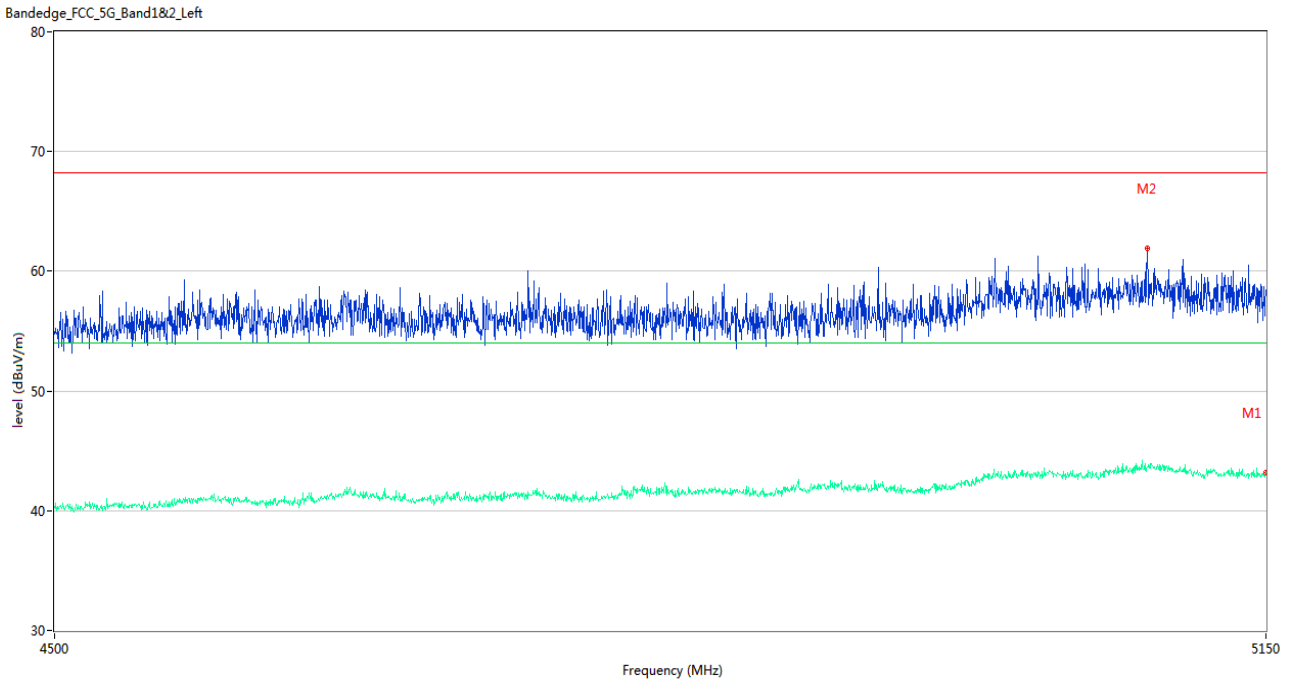
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	54.98	5.16	68.2	-13.22	Peak	133.00	150	Horizontal	Pass
1**	5150.000	43.05	5.16	54.0	-10.95	AV	133.00	150	Horizontal	Pass
2	5059.650	61.20	5.50	68.2	-7.00	Peak	258.00	150	Horizontal	Pass
2**	5059.650	43.08	5.50	54.0	-10.92	AV	258.00	150	Horizontal	Pass

U-NII-2A 11ac20 CH64



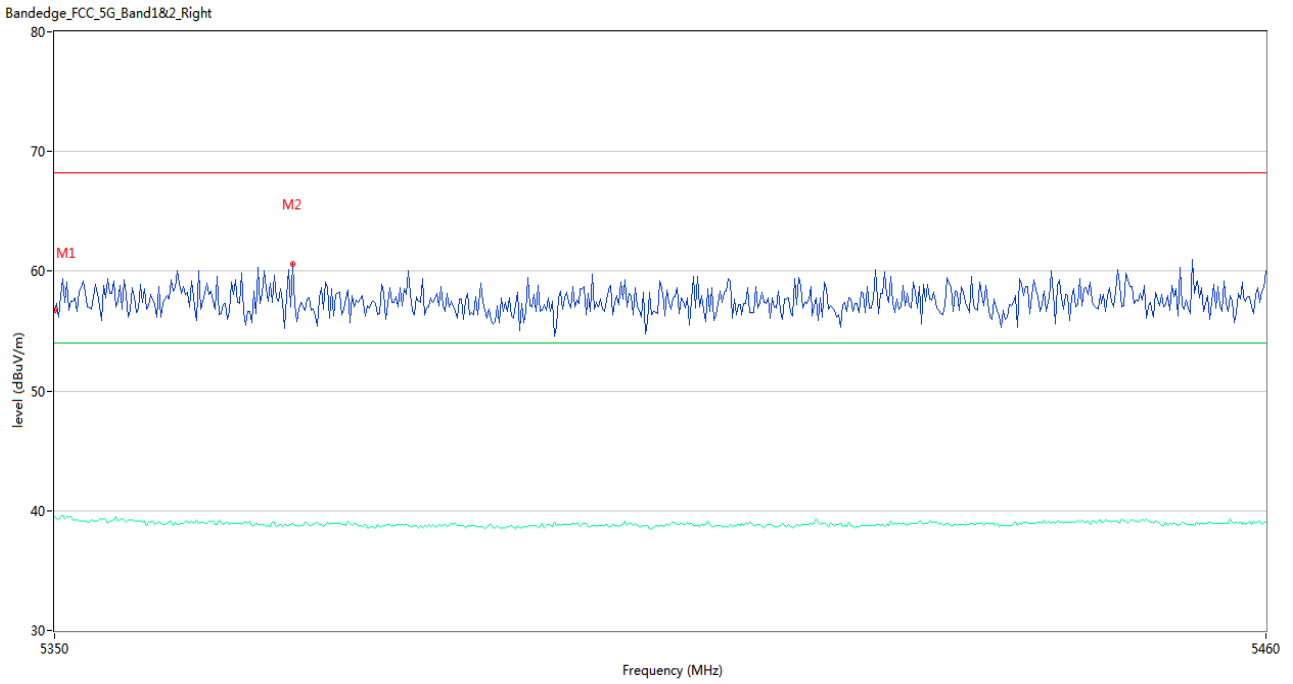
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.60	5.95	68.2	-11.60	Peak	353.00	150	Horizontal	Pass
1**	5350.000	39.03	5.95	54.0	-14.97	AV	353.00	150	Horizontal	Pass
2	5377.500	61.02	5.59	68.2	-7.18	Peak	255.00	150	Horizontal	Pass
2**	5377.500	38.87	5.59	54.0	-15.13	AV	255.00	150	Horizontal	Pass

U-NII-2A 11ac40 CH54



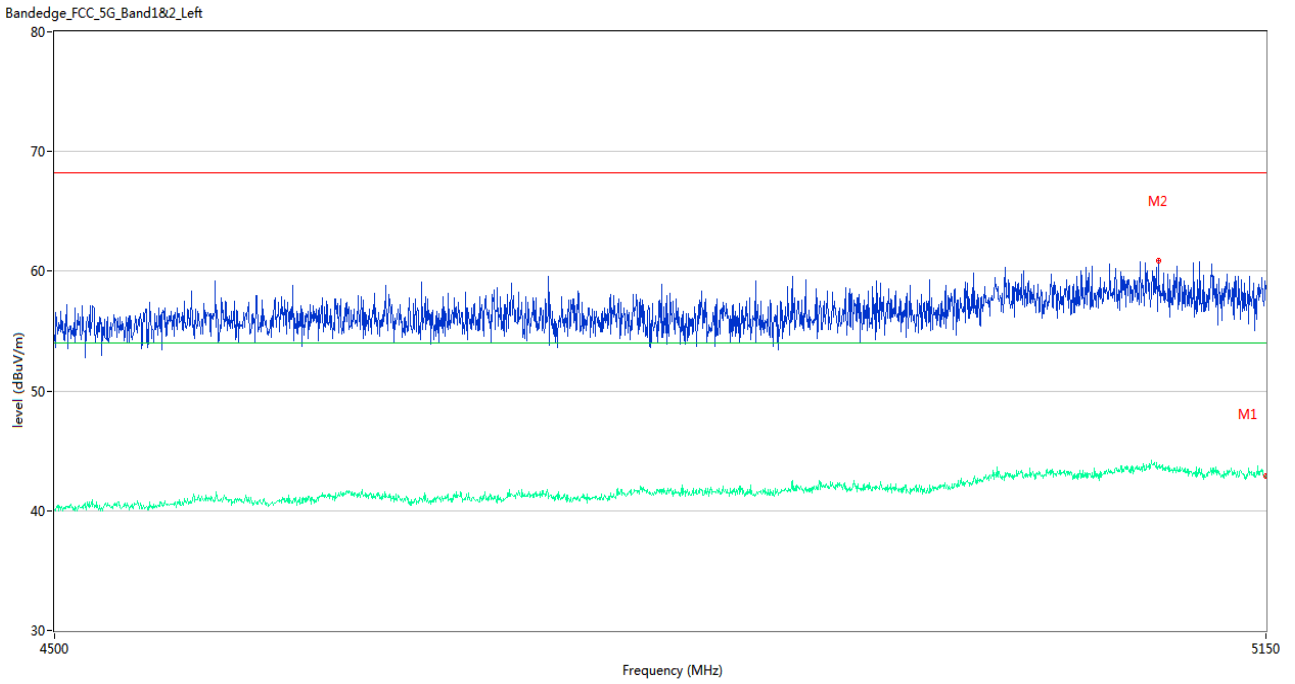
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	58.40	5.16	68.2	-9.80	Peak	335.00	150	Horizontal	Pass
1**	5150.000	43.15	5.16	54.0	-10.85	AV	335.00	150	Horizontal	Pass
2	5082.400	61.91	6.00	68.2	-6.29	Peak	245.00	150	Horizontal	Pass
2**	5082.400	43.68	6.00	54.0	-10.32	AV	245.00	150	Horizontal	Pass

U-NII-2A 11ac40 CH62



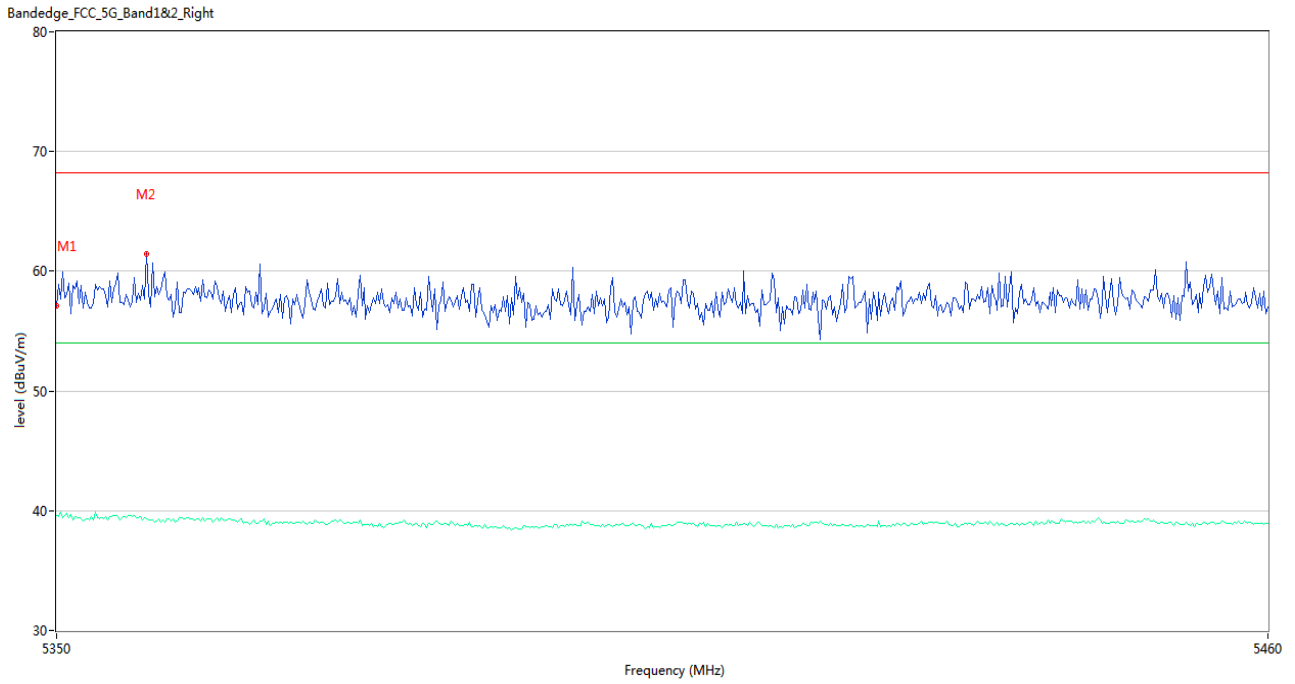
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.76	5.95	68.2	-11.44	Peak	308.00	150	Horizontal	Pass
1**	5350.000	39.47	5.95	54.0	-14.53	AV	308.00	150	Horizontal	Pass
2	5371.450	60.57	5.63	68.2	-7.63	Peak	308.00	150	Horizontal	Pass
2**	5371.450	38.98	5.63	54.0	-15.02	AV	308.00	150	Horizontal	Pass

U-NII-2A 11ac80 CH58



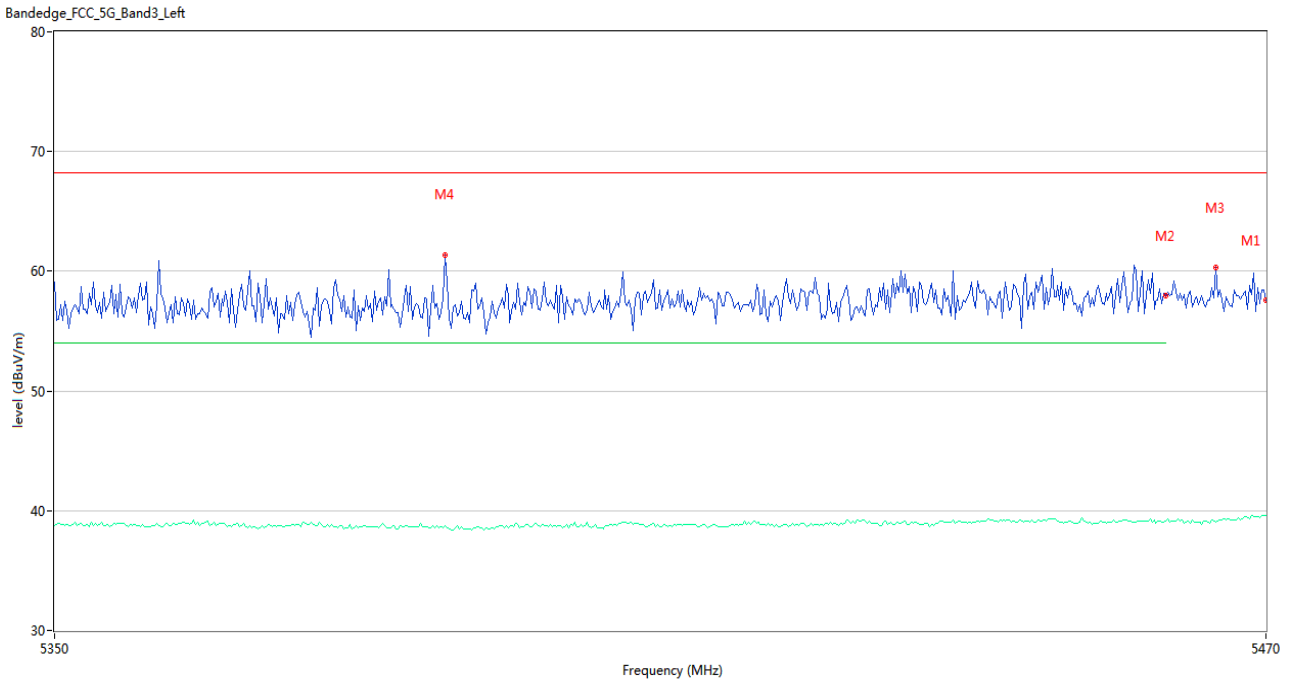
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	58.53	5.16	68.2	-9.67	Peak	186.00	150	Horizontal	Pass
1**	5150.000	42.92	5.16	54.0	-11.08	AV	186.00	150	Horizontal	Pass
2	5088.575	60.85	6.04	68.2	-7.35	Peak	360.00	150	Horizontal	Pass
2**	5088.575	43.76	6.04	54.0	-10.24	AV	360.00	150	Horizontal	Pass

U-NII-2A 11ac80 CH58



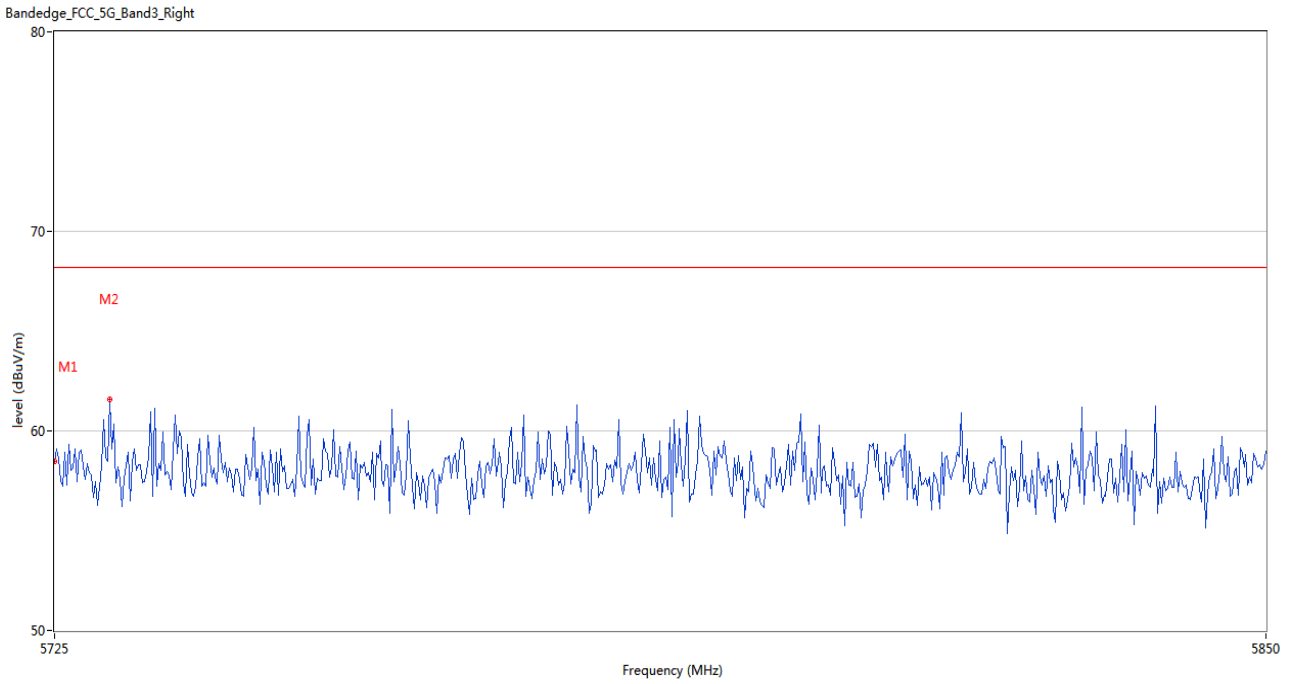
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	57.11	5.95	68.2	-11.09	Peak	151.00	150	Horizontal	Pass
1**	5350.000	39.57	5.95	54.0	-14.43	AV	151.00	150	Horizontal	Pass
2	5358.067	61.41	5.76	68.2	-6.79	Peak	0.00	150	Horizontal	Pass
2**	5358.067	39.34	5.76	54.0	-14.66	AV	0.00	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	57.58	6.19	68.2	-10.62	Peak	118.00	150	Horizontal	Pass
1**	5470.000	39.57	6.19	--	39.57	AV	118.00	150	Horizontal	N/A
2	5460.000	57.94	5.66	68.2	-10.26	Peak	30.00	150	Horizontal	Pass
2**	5460.000	39.14	5.66	54.0	-14.86	AV	30.00	150	Horizontal	Pass
3	5465.000	60.36	5.75	68.2	-7.84	Peak	222.00	150	Horizontal	Pass
3**	5465.000	39.01	5.75	--	39.01	AV	222.00	150	Horizontal	N/A
4	5388.400	61.40	5.47	68.2	-6.80	Peak	62.00	150	Horizontal	Pass
4**	5388.400	38.78	5.47	54.0	-15.22	AV	62.00	150	Horizontal	Pass

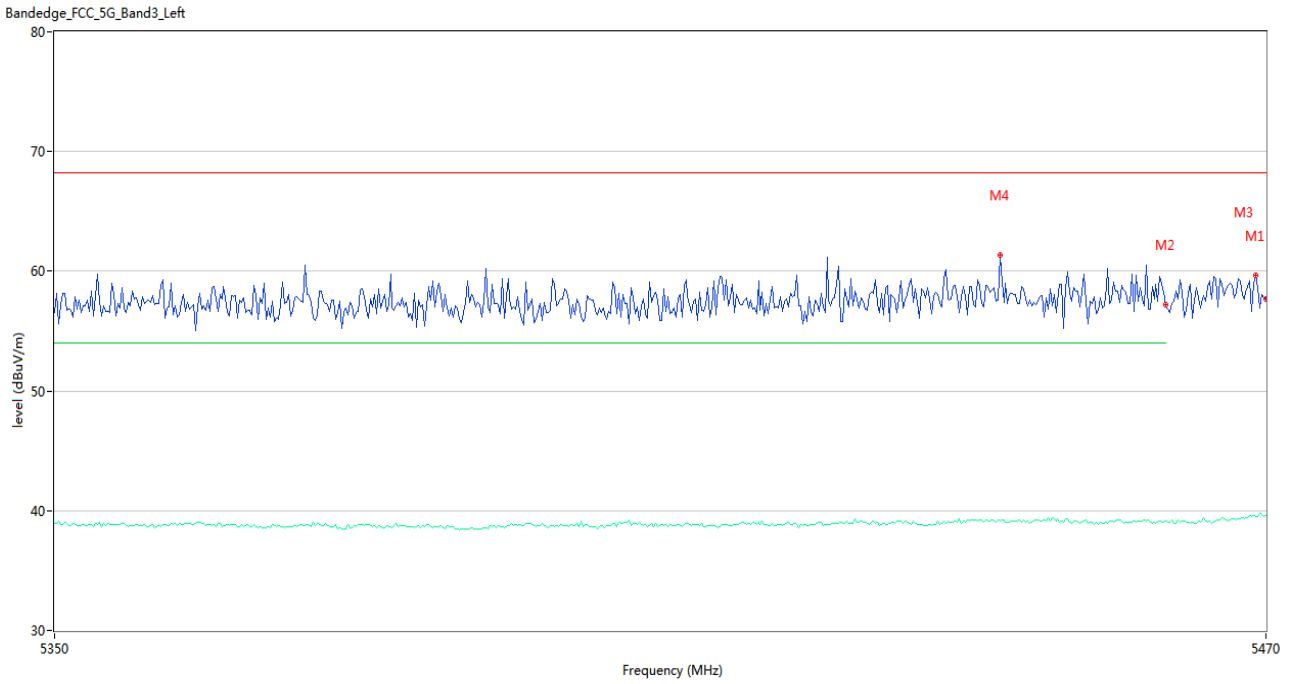
U-NII-2C 11a CH140



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	58.46	5.53	68.2	-9.74	Peak	160.00	150	Horizontal	Pass
2	5730.625	61.60	5.66	68.2	-6.60	Peak	293.00	150	Horizontal	Pass

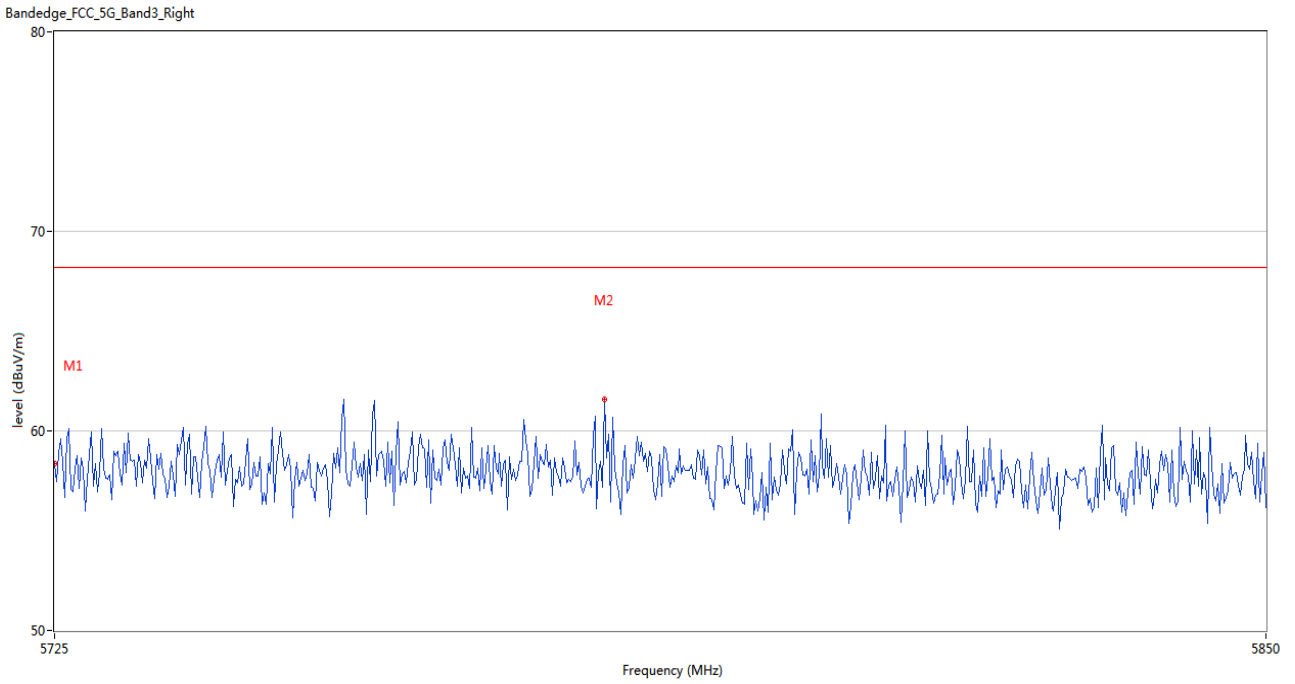


U-NII-2C 11n20 CH100



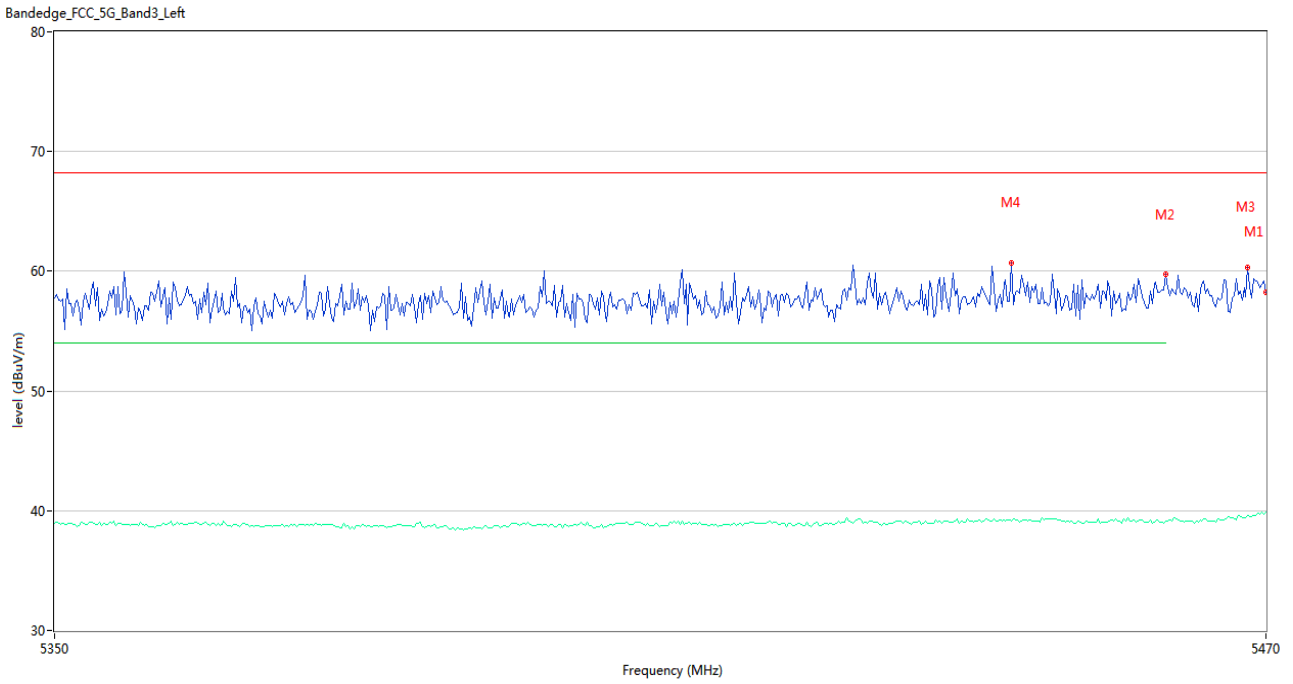
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5470.000	57.72	6.19	68.2	-10.48	Peak	77.00	150	Horizontal	Pass
1**	5470.000	39.59	6.19	--	39.59	AV	77.00	150	Horizontal	N/A
2	5460.000	57.23	5.66	68.2	-10.97	Peak	158.00	150	Horizontal	Pass
2**	5460.000	39.09	5.66	54.0	-14.91	AV	158.00	150	Horizontal	Pass
3	5469.000	59.67	6.10	68.2	-8.53	Peak	147.00	150	Horizontal	Pass
3**	5469.000	39.49	6.10	--	39.49	AV	147.00	150	Horizontal	N/A
4	5443.400	61.31	5.75	68.2	-6.89	Peak	273.00	150	Horizontal	Pass
4**	5443.400	39.16	5.75	54.0	-14.84	AV	273.00	150	Horizontal	Pass

U-NII-2C 11n20 CH140



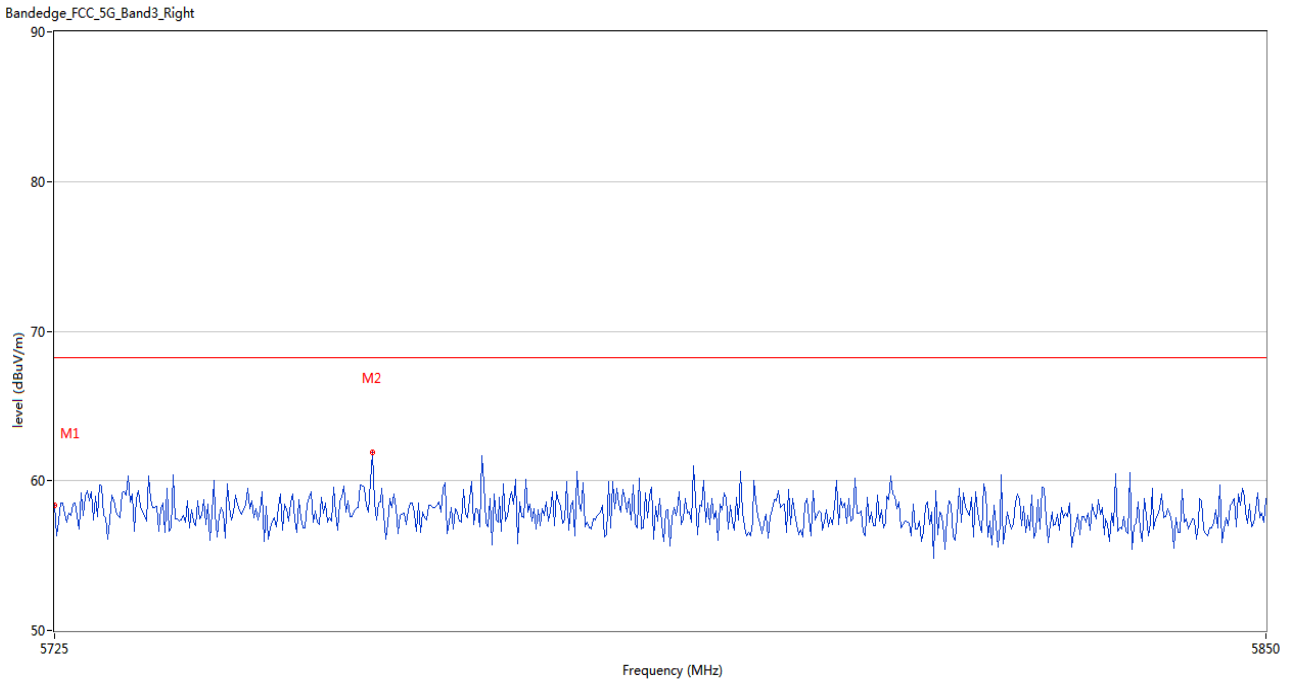
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	58.36	5.53	68.2	-9.84	Peak	3.00	150	Horizontal	Pass
2	5781.458	61.58	7.04	68.2	-6.62	Peak	306.00	150	Horizontal	Pass

U-NII-2C 11n40 CH102



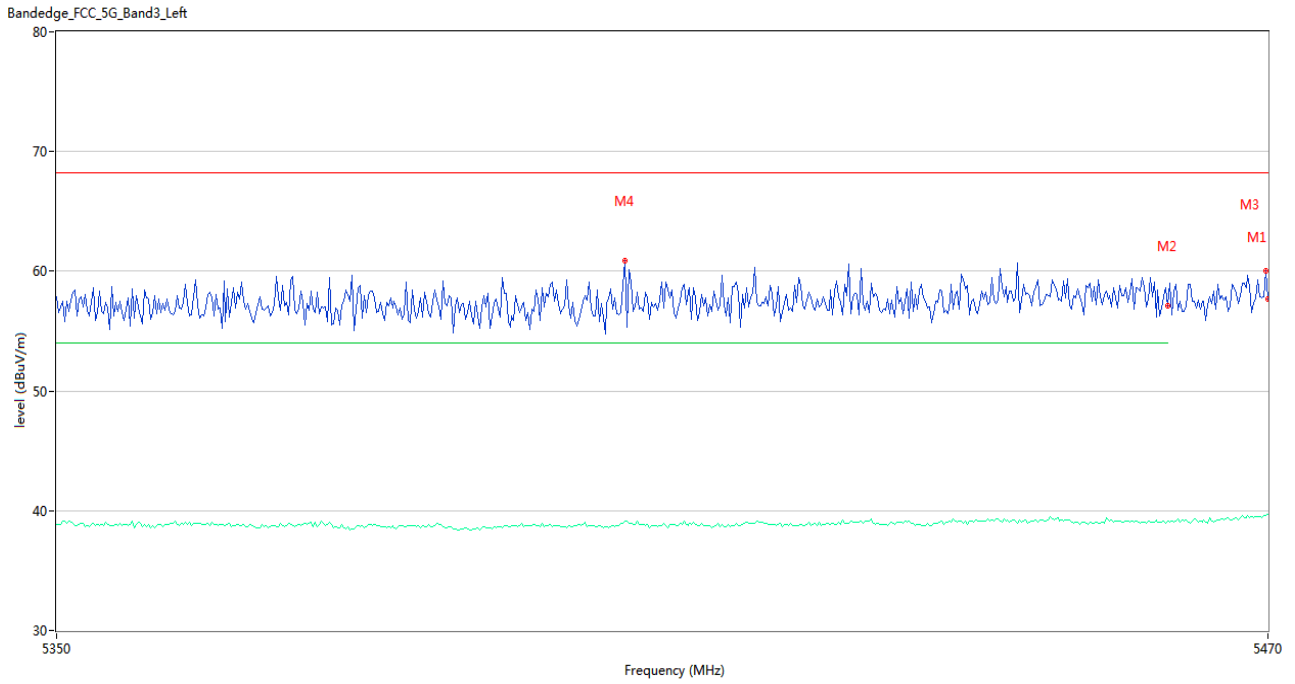
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5470.000	58.26	6.19	68.2	-9.94	Peak	360.00	150	Horizontal	Pass
1**	5470.000	39.89	6.19	--	39.89	AV	360.00	150	Horizontal	N/A
2	5460.000	59.78	5.66	68.2	-8.42	Peak	296.00	150	Horizontal	Pass
2**	5460.000	39.11	5.66	54.0	-14.89	AV	296.00	150	Horizontal	Pass
3	5468.200	60.32	6.01	68.2	-7.88	Peak	118.00	150	Horizontal	Pass
3**	5468.200	39.61	6.01	--	39.61	AV	118.00	150	Horizontal	N/A
4	5444.600	60.74	5.75	68.2	-7.46	Peak	191.00	150	Horizontal	Pass
4**	5444.600	39.15	5.75	54.0	-14.85	AV	191.00	150	Horizontal	Pass

U-NII-2C 11n40 CH134



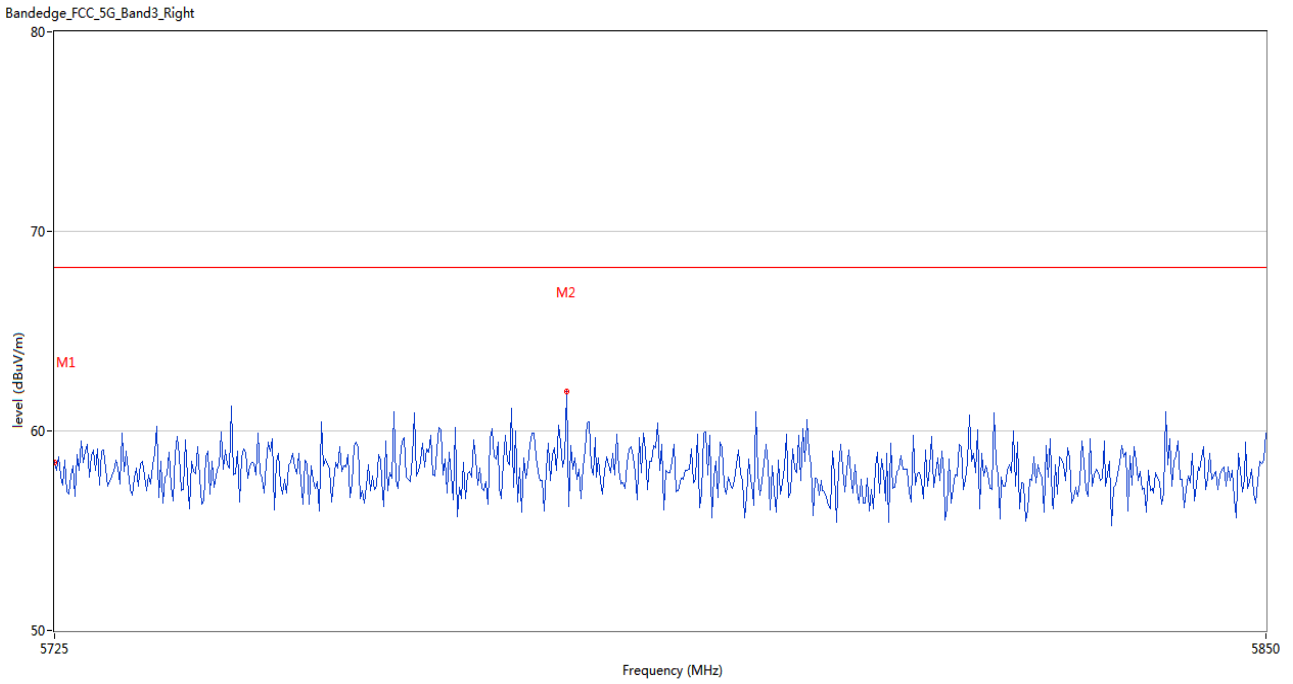
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	58.37	5.53	68.2	-9.83	Peak	0.00	150	Horizontal	Pass
2	5757.500	61.88	6.63	68.2	-6.32	Peak	198.00	150	Horizontal	Pass

U-NII-2C 11ac20 CH100



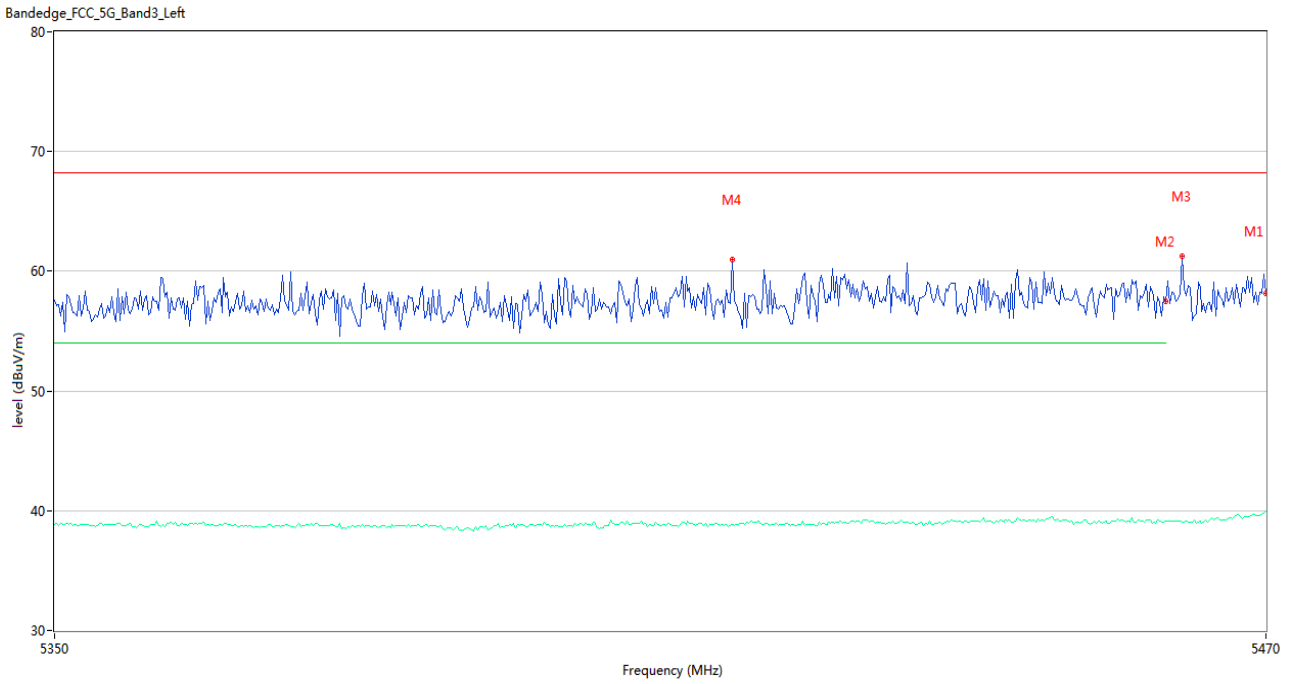
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5470.000	57.66	6.19	68.2	-10.54	Peak	302.00	150	Horizontal	Pass
1**	5470.000	39.70	6.19	--	39.70	AV	302.00	150	Horizontal	N/A
2	5460.000	57.10	5.66	68.2	-11.10	Peak	327.00	150	Horizontal	Pass
2**	5460.000	39.13	5.66	54.0	-14.87	AV	327.00	150	Horizontal	Pass
3	5469.800	60.03	6.19	68.2	-8.17	Peak	67.00	150	Horizontal	Pass
3**	5469.800	39.64	6.19	--	39.64	AV	67.00	150	Horizontal	N/A
4	5406.000	60.91	5.84	68.2	-7.29	Peak	176.00	150	Horizontal	Pass
4**	5406.000	39.11	5.84	54.0	-14.89	AV	176.00	150	Horizontal	Pass

U-NII-2C 11ac20 CH140



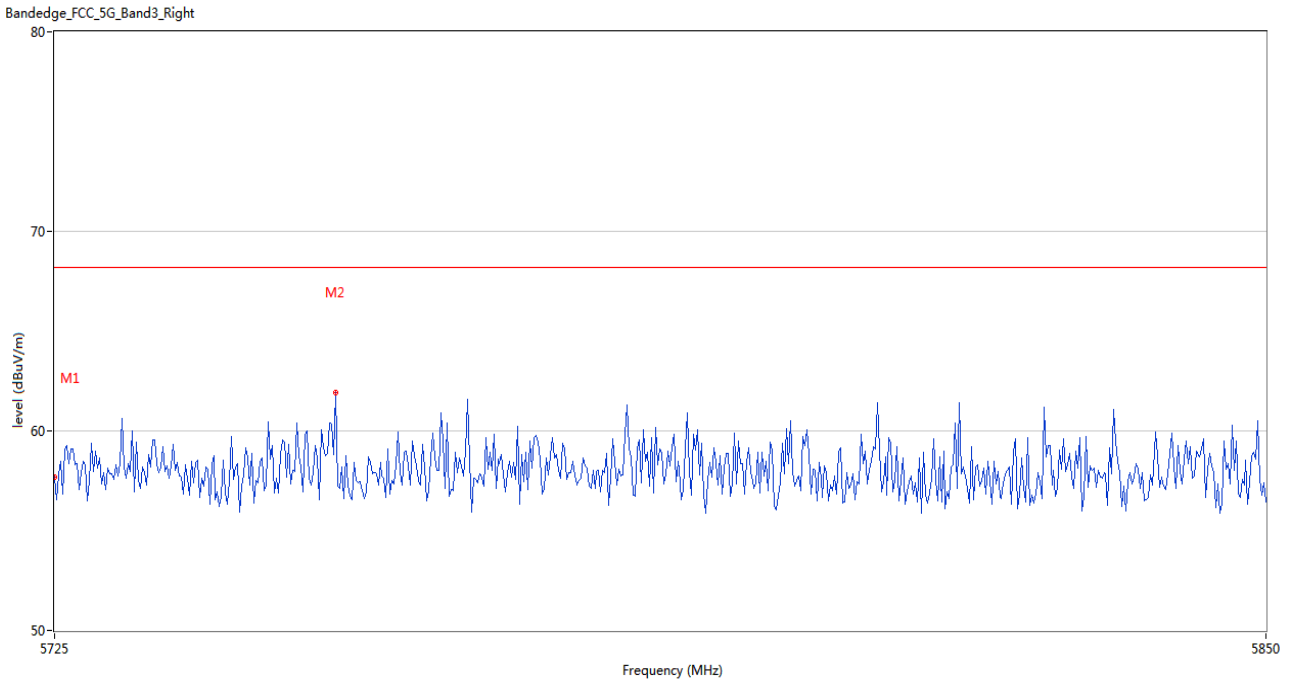
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	58.40	5.53	68.2	-9.80	Peak	21.00	150	Horizontal	Pass
2	5777.500	61.95	6.84	68.2	-6.25	Peak	357.00	150	Horizontal	Pass

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	58.20	6.19	68.2	-10.00	Peak	353.00	150	Horizontal	Pass
1**	5470.000	40.00	6.19	--	40.00	AV	353.00	150	Horizontal	N/A
2	5460.000	57.47	5.66	68.2	-10.73	Peak	232.00	150	Horizontal	Pass
2**	5460.000	39.17	5.66	54.0	-14.83	AV	232.00	150	Horizontal	Pass
3	5461.600	61.28	5.69	68.2	-6.92	Peak	159.00	150	Horizontal	Pass
3**	5461.600	39.07	5.69	--	39.07	AV	159.00	150	Horizontal	N/A
4	5416.800	60.94	5.57	68.2	-7.26	Peak	353.00	150	Horizontal	Pass
4**	5416.800	38.82	5.57	54.0	-15.18	AV	353.00	150	Horizontal	Pass

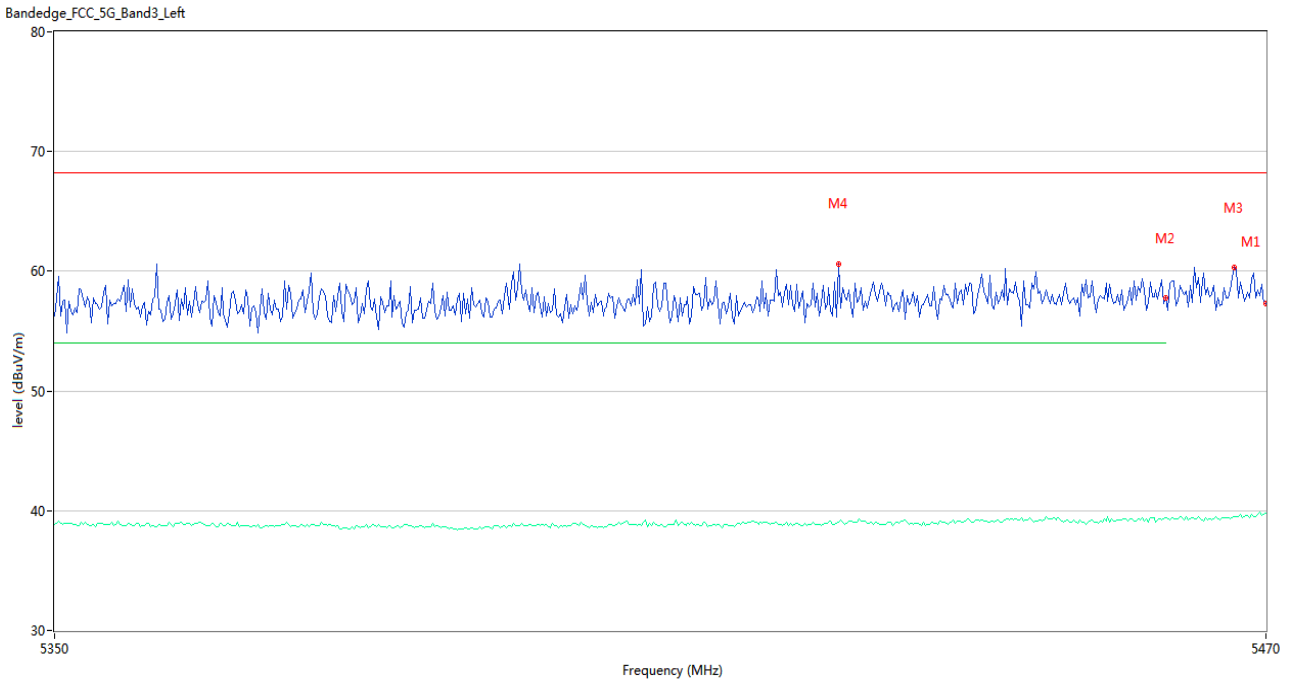
U-NII-2C 11ac40 CH134



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	57.70	5.53	68.2	-10.50	Peak	87.00	150	Horizontal	Pass
2	5753.750	61.94	6.48	68.2	-6.26	Peak	50.00	150	Horizontal	Pass

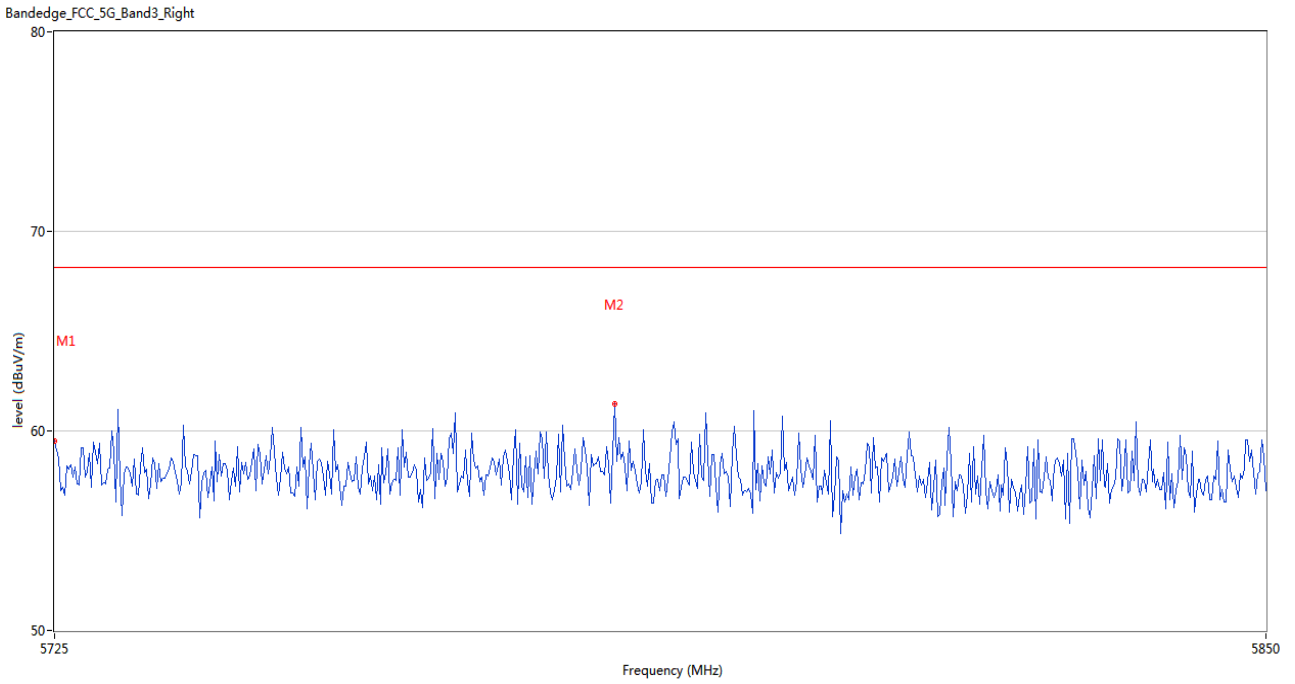


U-NII-2C 11ac80 CH106



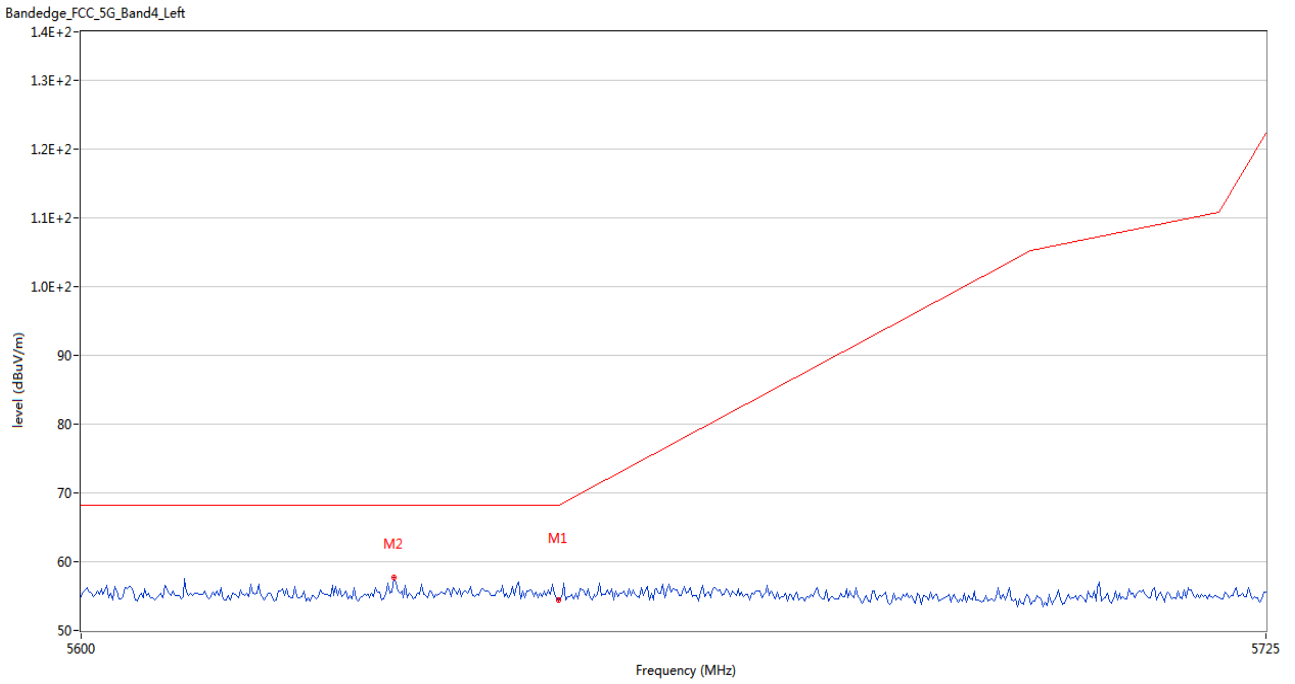
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5470.000	57.33	6.19	68.2	-10.87	Peak	95.00	150	Horizontal	Pass
1**	5470.000	39.81	6.19	--	39.81	AV	95.00	150	Horizontal	N/A
2	5460.000	57.81	5.66	68.2	-10.39	Peak	170.00	150	Horizontal	Pass
2**	5460.000	39.37	5.66	54.0	-14.63	AV	170.00	150	Horizontal	Pass
3	5466.800	60.32	5.89	68.2	-7.88	Peak	133.00	150	Horizontal	Pass
3**	5466.800	39.47	5.89	--	39.47	AV	133.00	150	Horizontal	N/A
4	5427.400	60.65	5.65	68.2	-7.55	Peak	360.00	150	Horizontal	Pass
4**	5427.400	39.03	5.65	54.0	-14.97	AV	360.00	150	Horizontal	Pass

U-NII-2C 11ac80 CH122



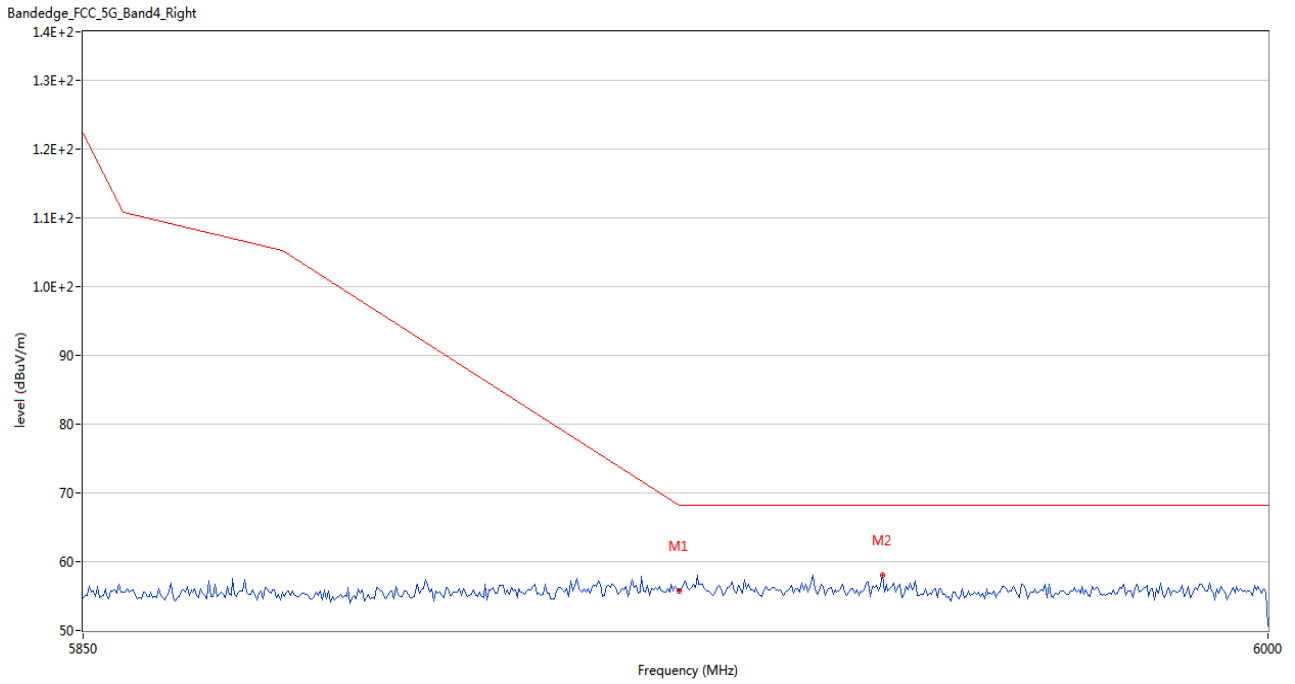
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	59.51	5.53	68.2	-8.69	Peak	75.00	150	Horizontal	Pass
2	5782.500	61.34	7.00	68.2	-6.86	Peak	301.00	150	Horizontal	Pass

U-NII-3 11a CH149



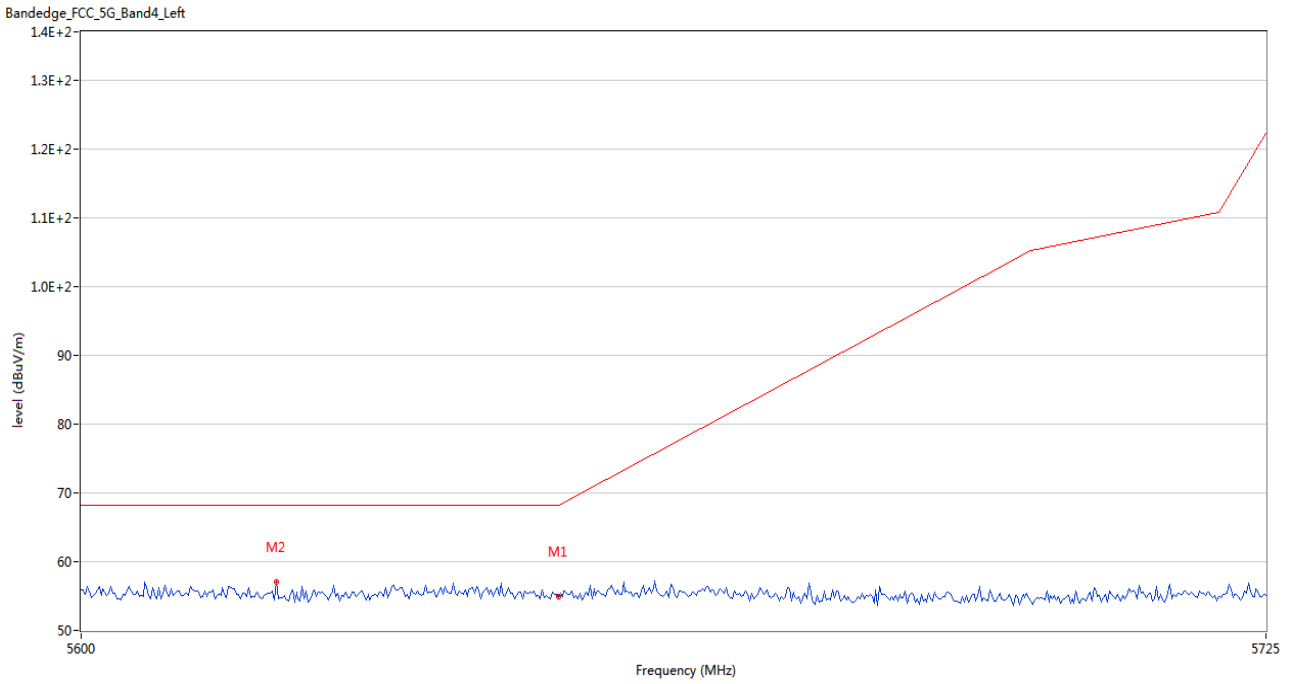
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	54.45	6.10	68.2	-13.75	Peak	360.00	150	Horizontal	Pass
2	5632.709	57.65	6.20	68.2	-10.55	Peak	75.00	150	Horizontal	Pass

U-NII-3 11a CH165



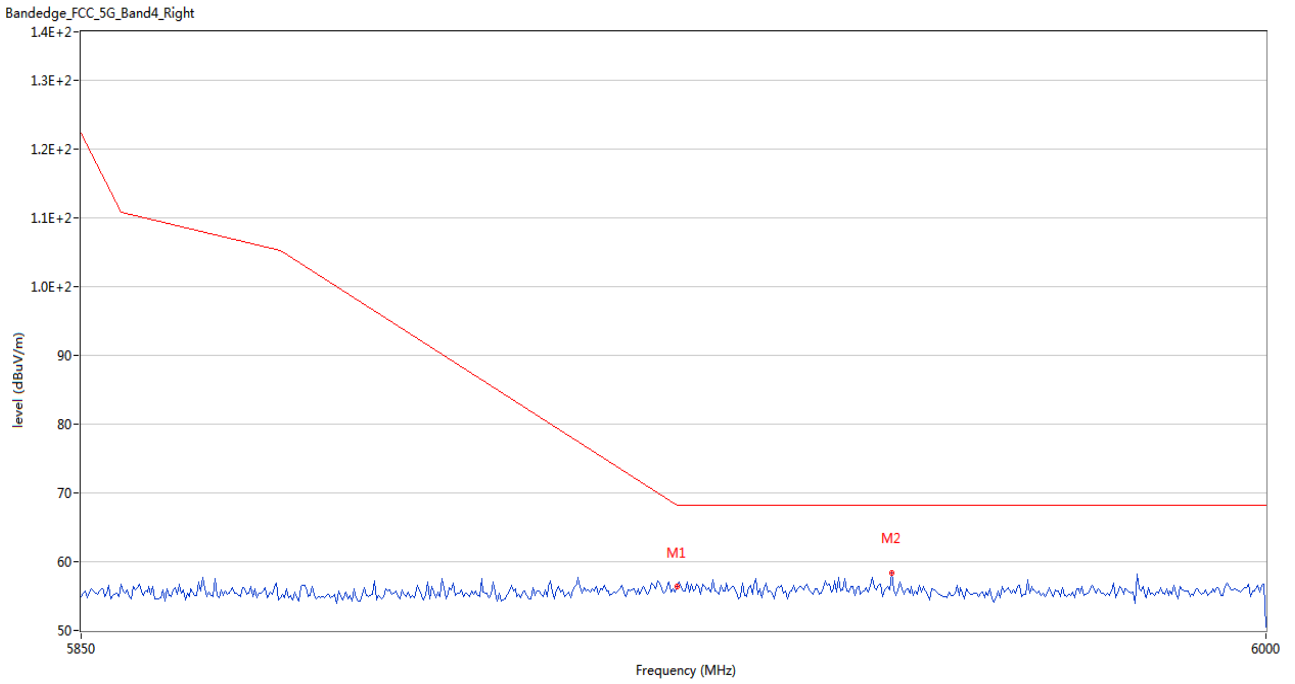
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	55.72	7.77	68.2	-12.48	Peak	360.00	150	Horizontal	Pass
2	5950.750	58.00	8.05	68.2	-10.20	Peak	318.00	150	Horizontal	Pass

U-NII-3 11n20 CH149



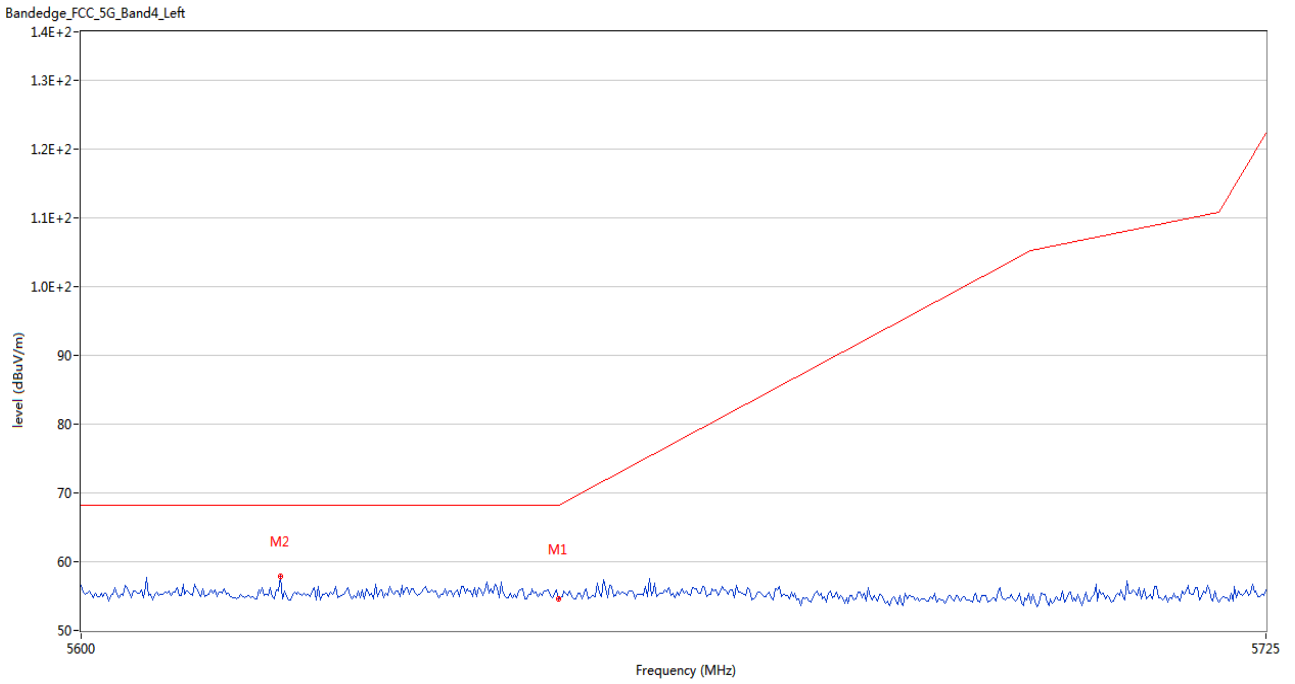
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	54.89	6.10	68.2	-13.31	Peak	140.00	150	Horizontal	Pass
2	5620.417	57.06	5.85	68.2	-11.14	Peak	187.00	150	Horizontal	Pass

U-NII-3 11n20 CH165



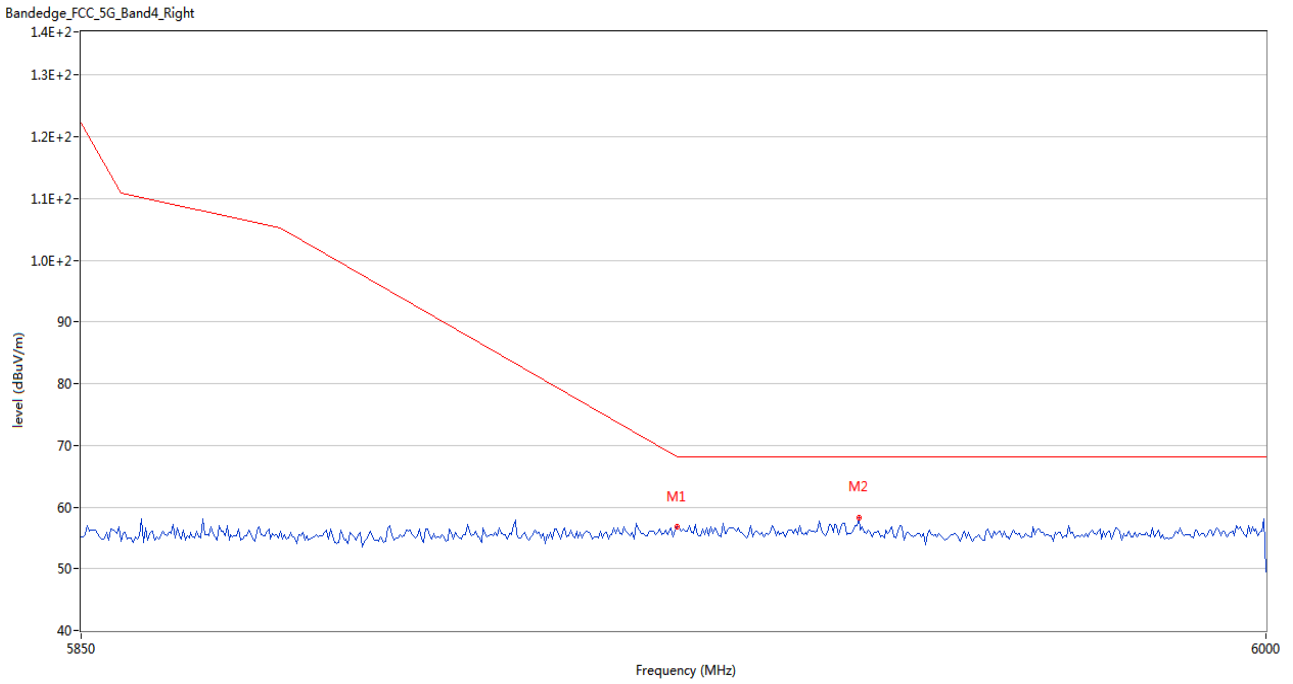
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	56.31	7.77	68.2	-11.89	Peak	94.00	150	Horizontal	Pass
2	5952.250	58.37	8.20	68.2	-9.83	Peak	141.00	150	Horizontal	Pass

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	54.64	6.10	68.2	-13.56	Peak	288.00	150	Horizontal	Pass
2	5620.833	57.91	5.84	68.2	-10.29	Peak	203.00	150	Horizontal	Pass

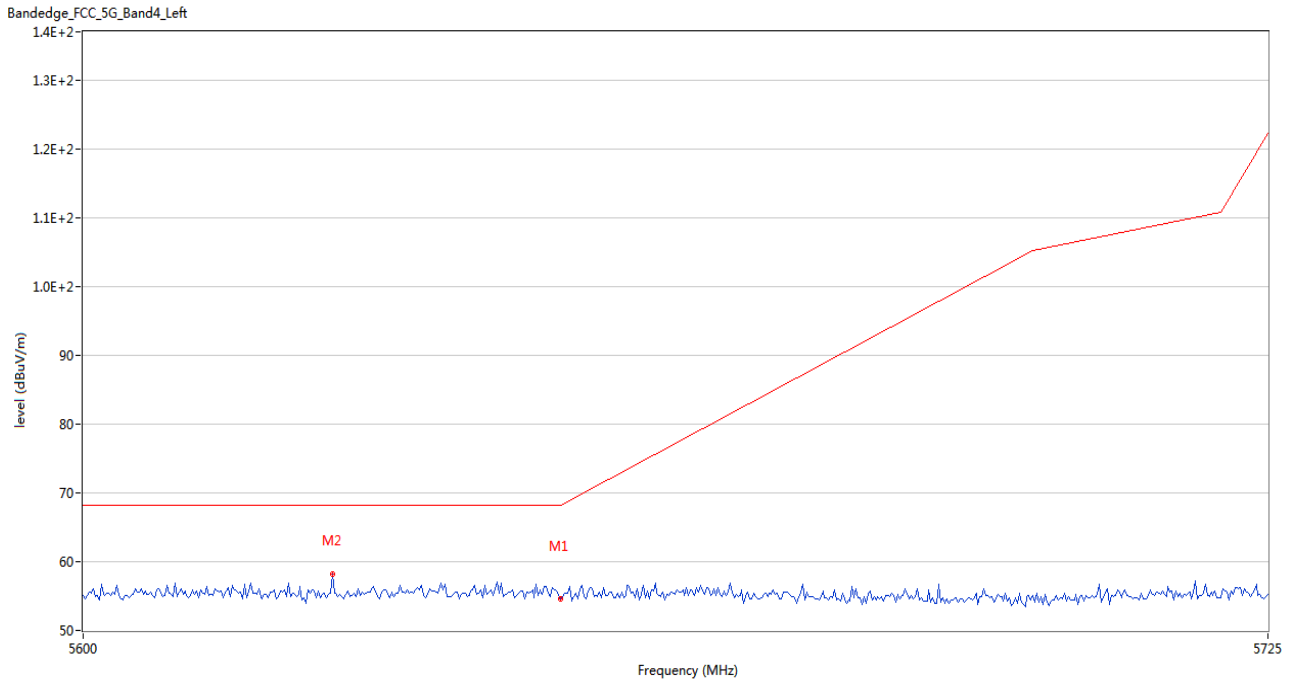
U-NII-3 11n40 CH159



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	56.83	7.77	68.2	-11.37	Peak	330.00	150	Horizontal	Pass
2	5948.000	58.35	7.98	68.2	-9.85	Peak	360.00	150	Horizontal	Pass

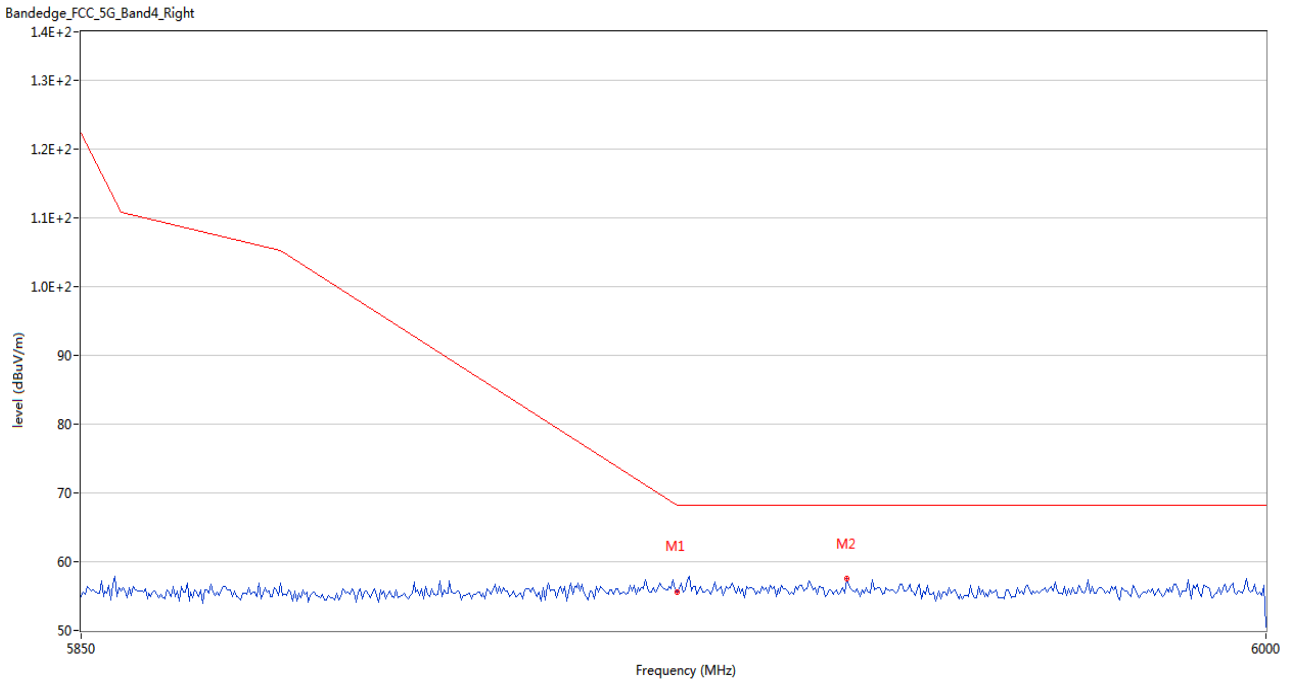


U-NII-3 11ac20 CH149



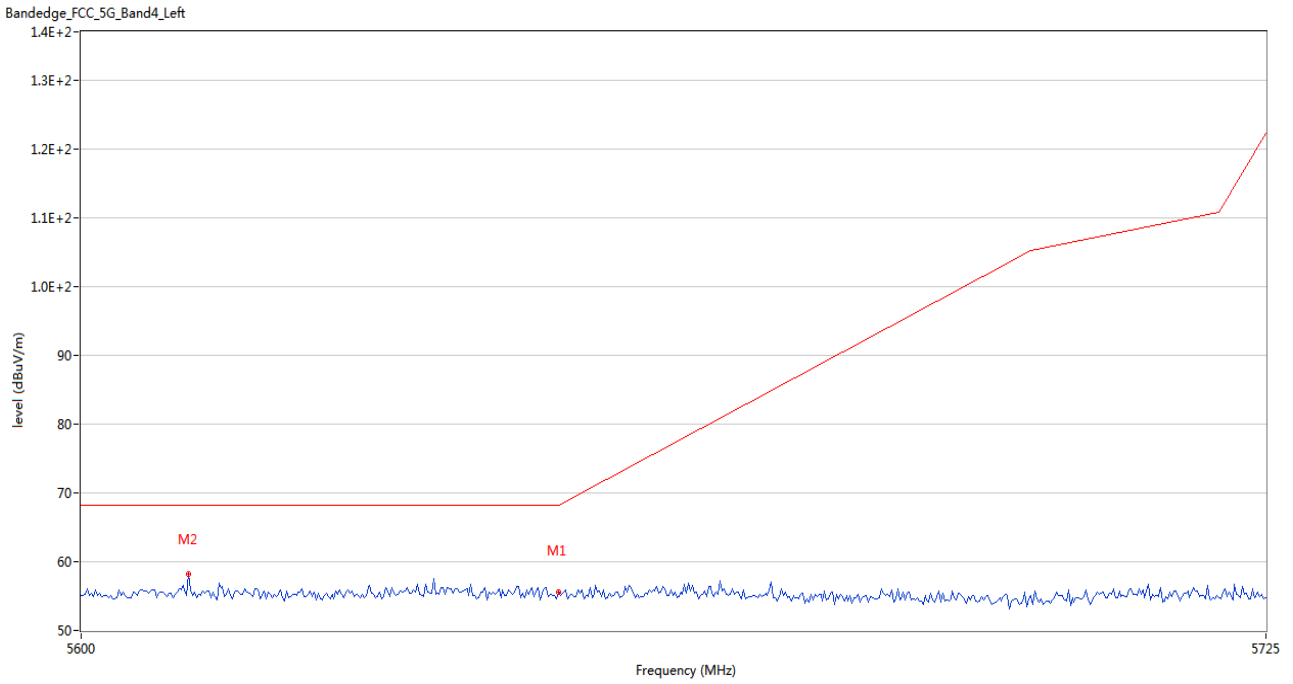
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	54.62	6.10	68.2	-13.58	Peak	292.00	150	Horizontal	Pass
2	5626.041	58.15	6.02	68.2	-10.05	Peak	360.00	150	Horizontal	Pass

U-NII-3 11ac20 CH165



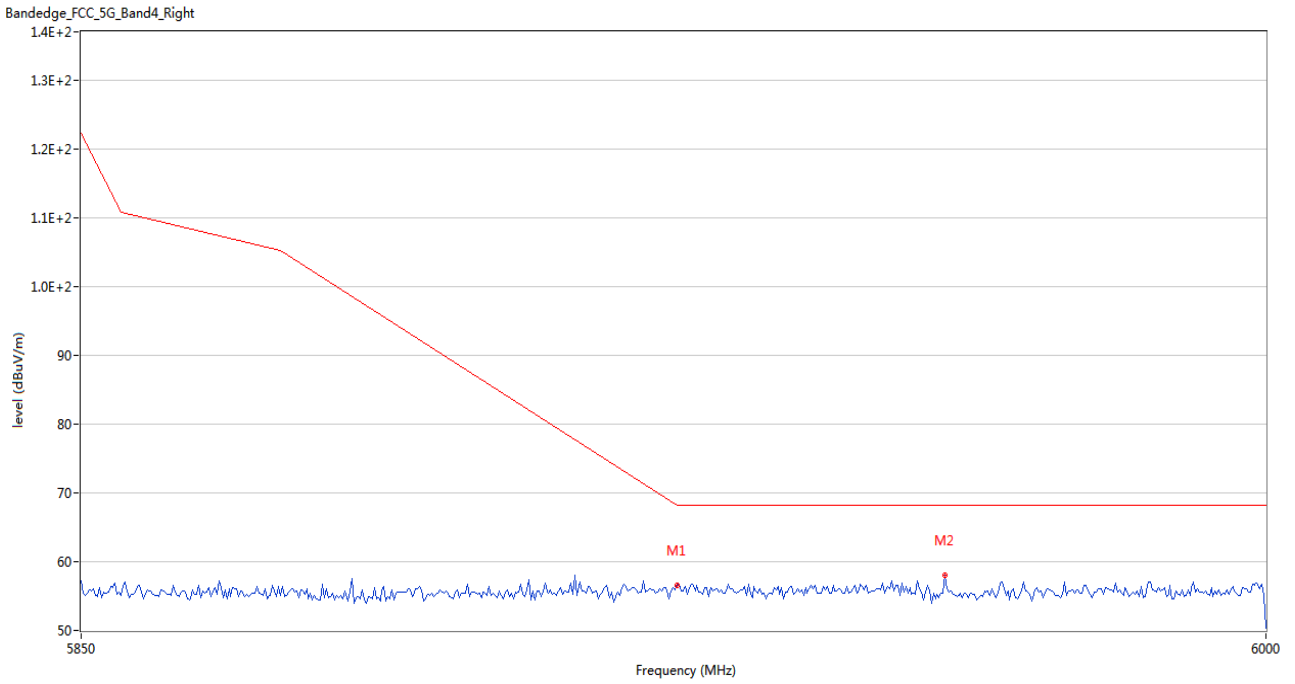
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	55.55	7.77	68.2	-12.65	Peak	0.00	150	Horizontal	Pass
2	5946.500	57.56	8.02	68.2	-10.64	Peak	56.00	150	Horizontal	Pass

U-NII-3 11ac40 CH151



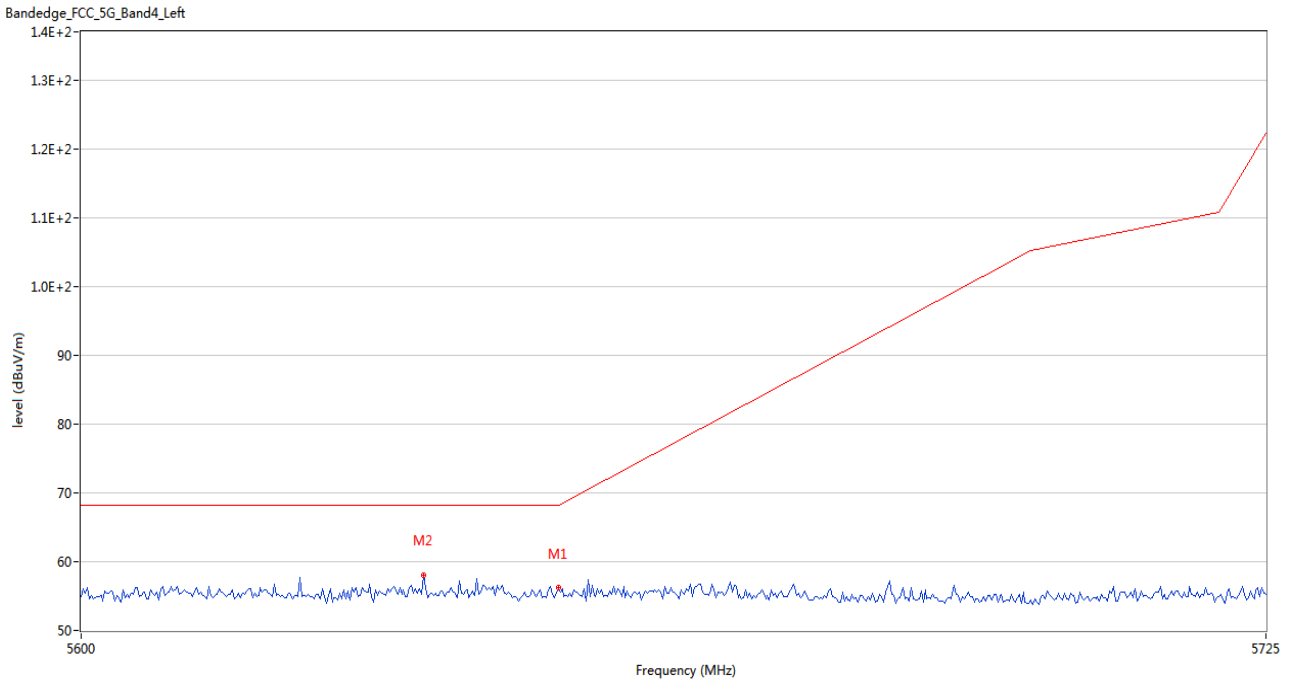
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	55.58	6.10	68.2	-12.62	Peak	87.00	150	Horizontal	Pass
2	5611.250	58.25	5.80	68.2	-9.95	Peak	87.00	150	Horizontal	Pass

U-NII-3 11ac40 CH159



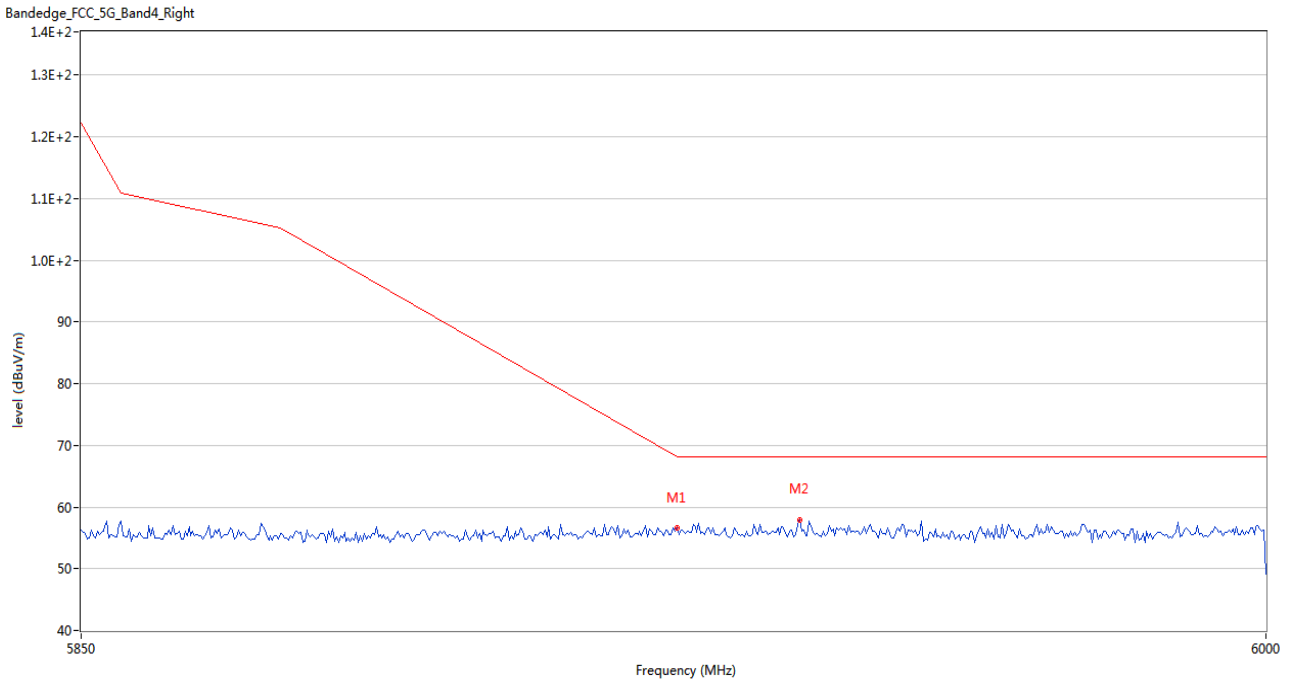
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	56.61	7.77	68.2	-11.59	Peak	125.00	150	Horizontal	Pass
2	5959.000	58.03	7.59	68.2	-10.17	Peak	78.00	150	Horizontal	Pass

U-NII-3 11ac80 CH155



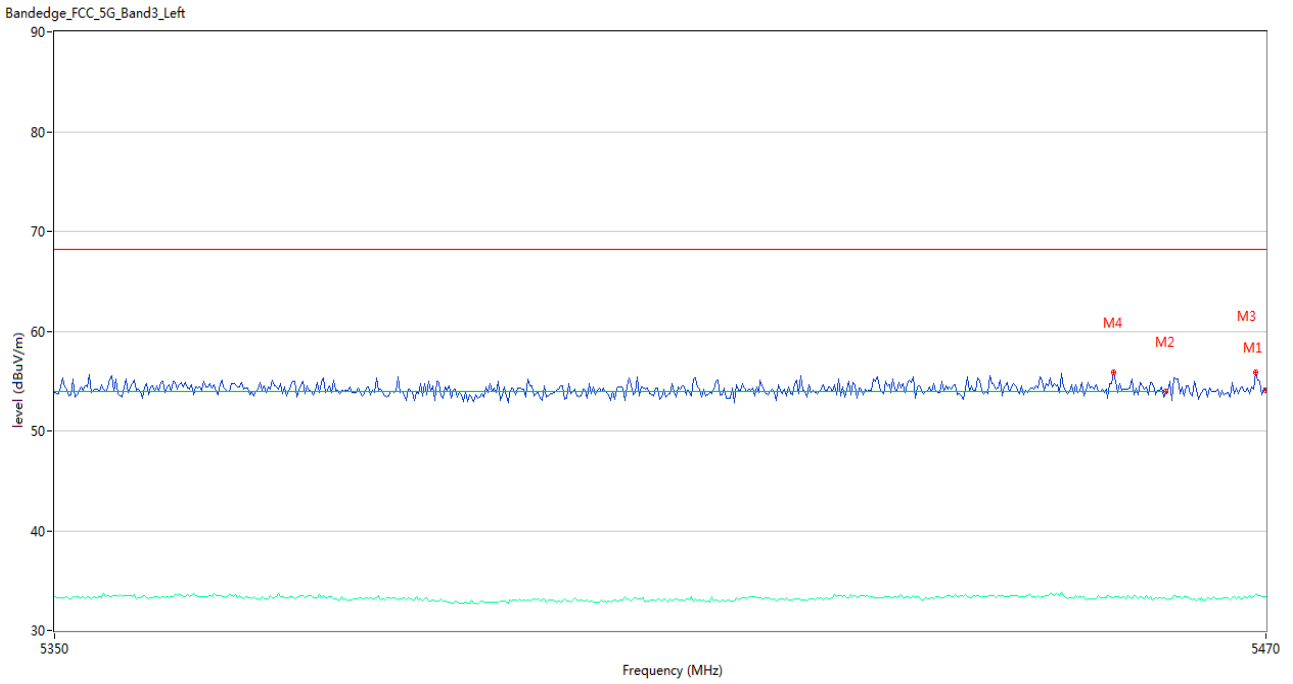
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	56.15	6.10	68.2	-12.05	Peak	120.00	150	Horizontal	Pass
2	5635.833	58.08	6.14	68.2	-10.12	Peak	283.00	150	Horizontal	Pass

U-NII-3 11ac80 CH155



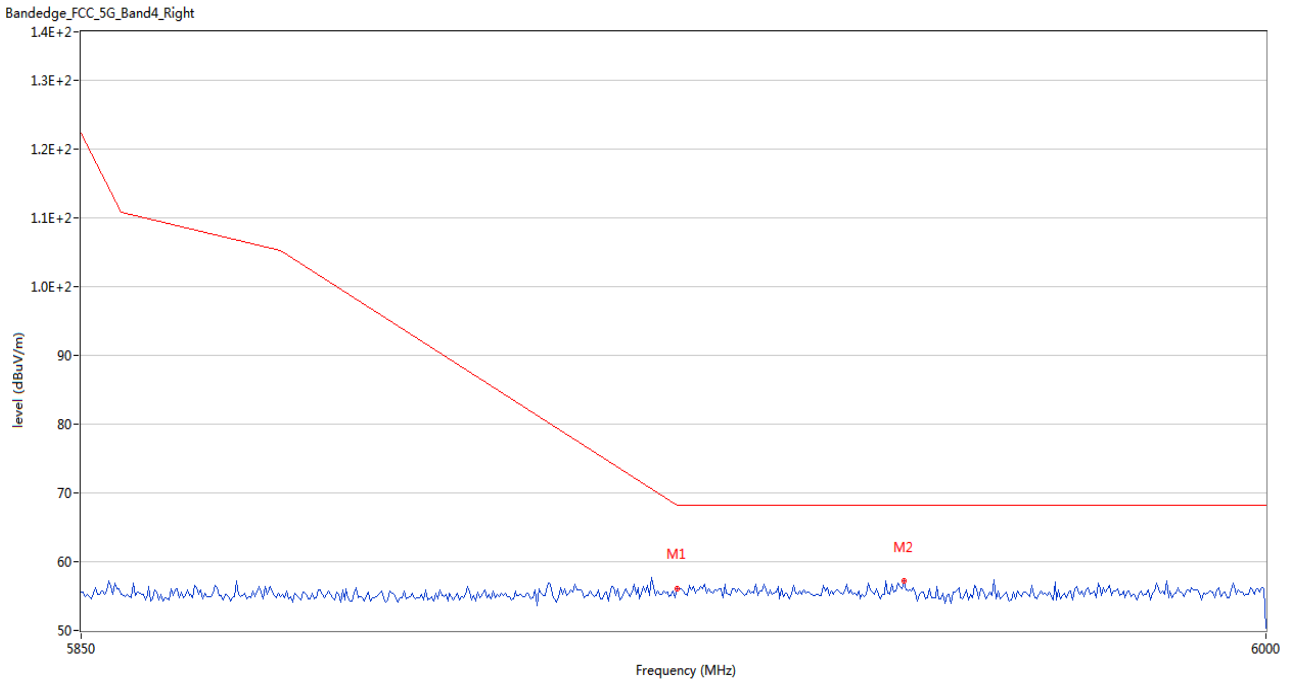
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	56.59	7.77	68.2	-11.61	Peak	47.00	150	Horizontal	Pass
2	5940.500	57.96	7.91	68.2	-10.24	Peak	139.00	150	Horizontal	Pass

U-NII-2C & U-NII-3 11a CH144



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5470.000	54.02	6.19	68.2	-14.18	Peak	100.00	150	Horizontal	Pass
1**	5470.000	33.44	6.19	--	--	AV	100.00	150	Horizontal	N/A
2	5460.000	53.73	5.66	68.2	-14.47	Peak	65.00	150	Horizontal	Pass
2**	5460.000	33.18	5.66	54.0	-20.82	AV	65.00	150	Horizontal	Pass
3	5469.000	55.84	6.10	68.2	-12.36	Peak	360.00	150	Horizontal	Pass
3**	5469.000	33.60	6.10	--	--	AV	360.00	150	Horizontal	N/A
4	5454.800	55.86	5.68	68.2	-12.34	Peak	283.00	150	Horizontal	Pass
4**	5454.800	33.28	5.68	54.0	-20.72	AV	283.00	150	Horizontal	Pass

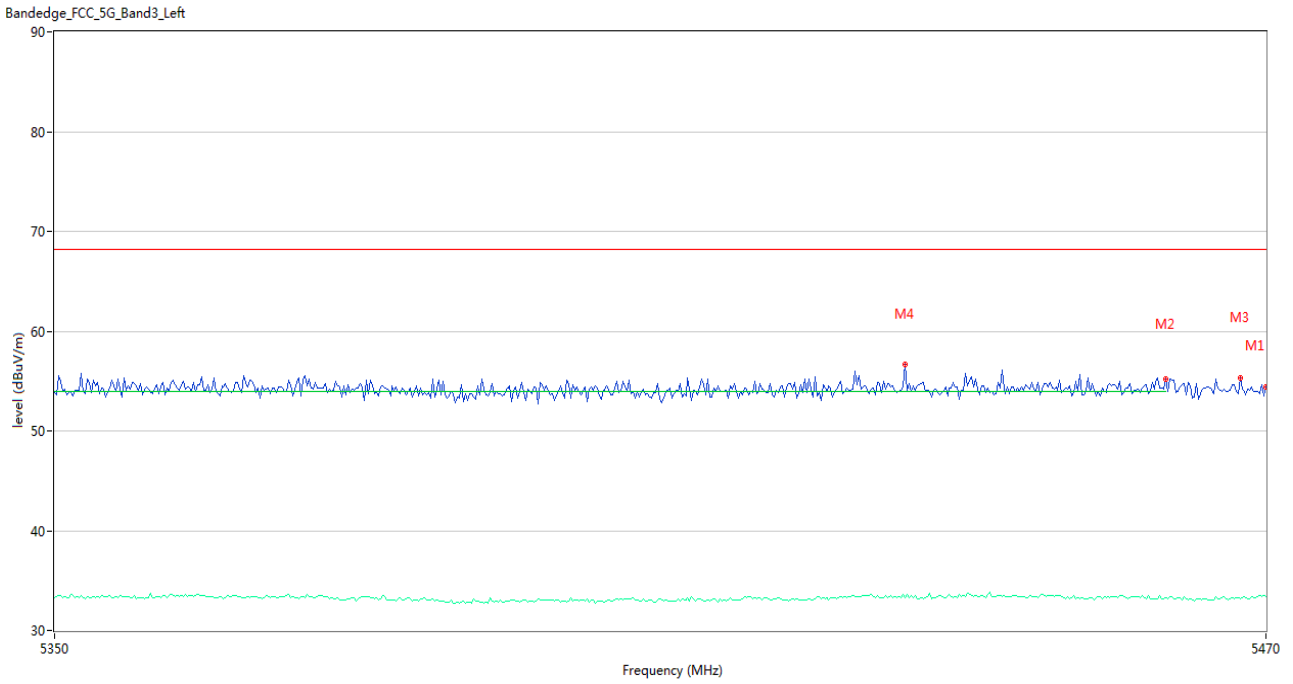
U-NII-2C & U-NII-3 11a CH144



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	56.11	7.77	68.2	-12.09	Peak	79.00	150	Horizontal	Pass
2	5953.750	57.23	8.12	68.2	-10.97	Peak	224.00	150	Horizontal	Pass

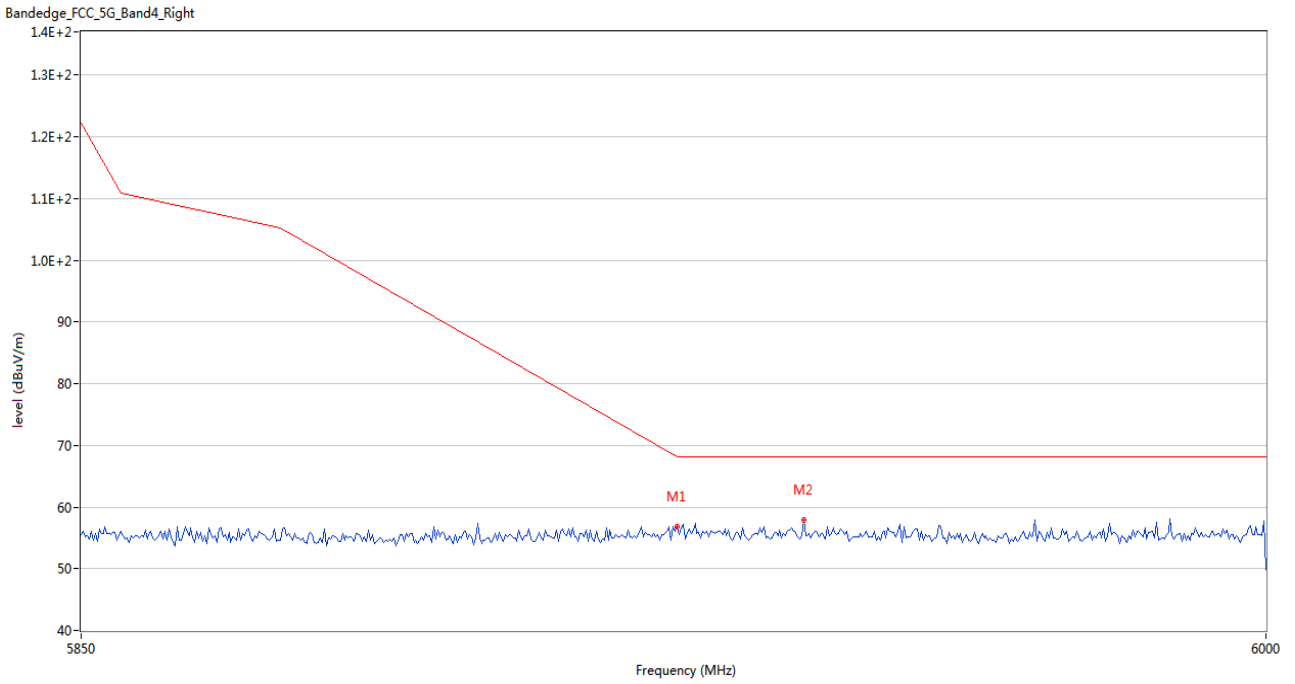


U-NII-2C & U-NII-3 11n20 CH144



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5470.000	54.37	6.19	68.2	-13.83	Peak	314.00	150	Horizontal	Pass
1**	5470.000	33.42	6.19	--	--	AV	314.00	150	Horizontal	N/A
2	5460.000	55.23	5.66	68.2	-12.97	Peak	128.00	150	Horizontal	Pass
2**	5460.000	33.27	5.66	54.0	-20.73	AV	128.00	150	Horizontal	Pass
3	5467.400	55.37	5.93	68.2	-12.83	Peak	284.00	150	Horizontal	Pass
3**	5467.400	33.22	5.93	--	--	AV	284.00	150	Horizontal	N/A
4	5434.000	56.72	5.65	68.2	-11.48	Peak	324.00	150	Horizontal	Pass
4**	5434.000	33.23	5.65	54.0	-20.77	AV	324.00	150	Horizontal	Pass

U-NII-2C & U-NII-3 11n20 CH144



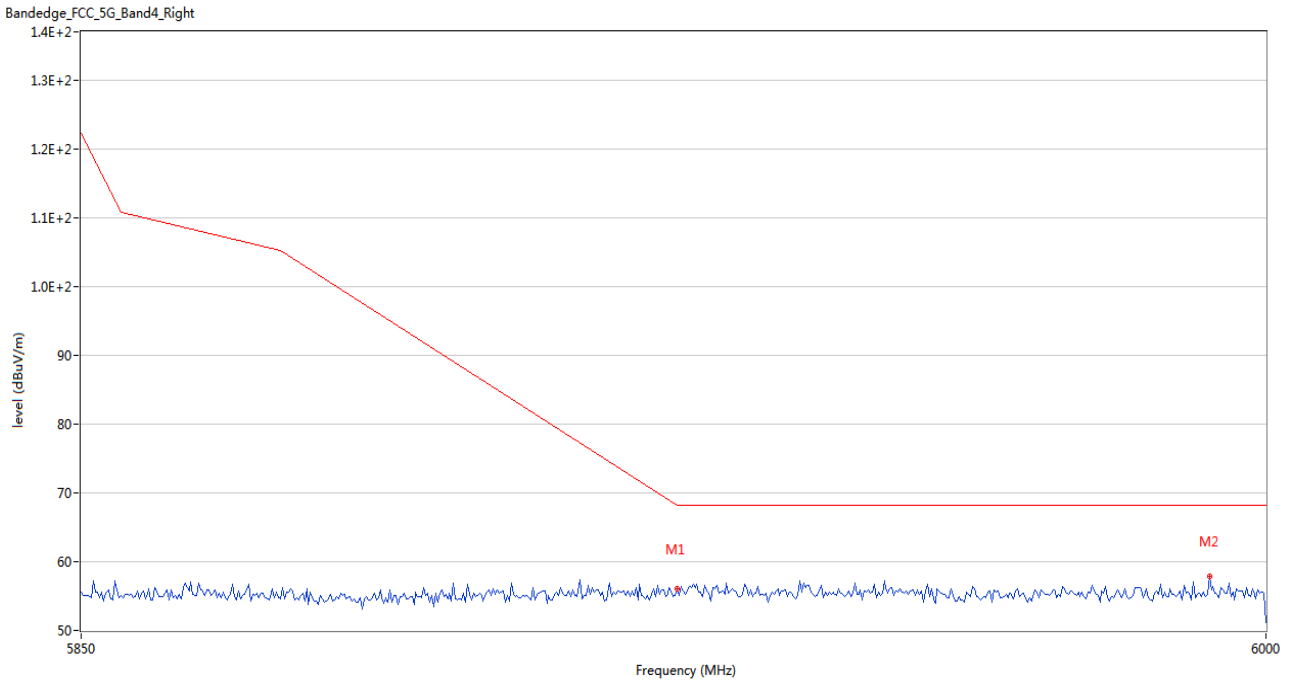
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	56.78	7.77	68.2	-11.42	Peak	49.00	150	Horizontal	Pass
2	5941.000	57.89	7.93	68.2	-10.31	Peak	91.00	150	Horizontal	Pass

U-NII-2C & U-NII-3 11n40 CH142



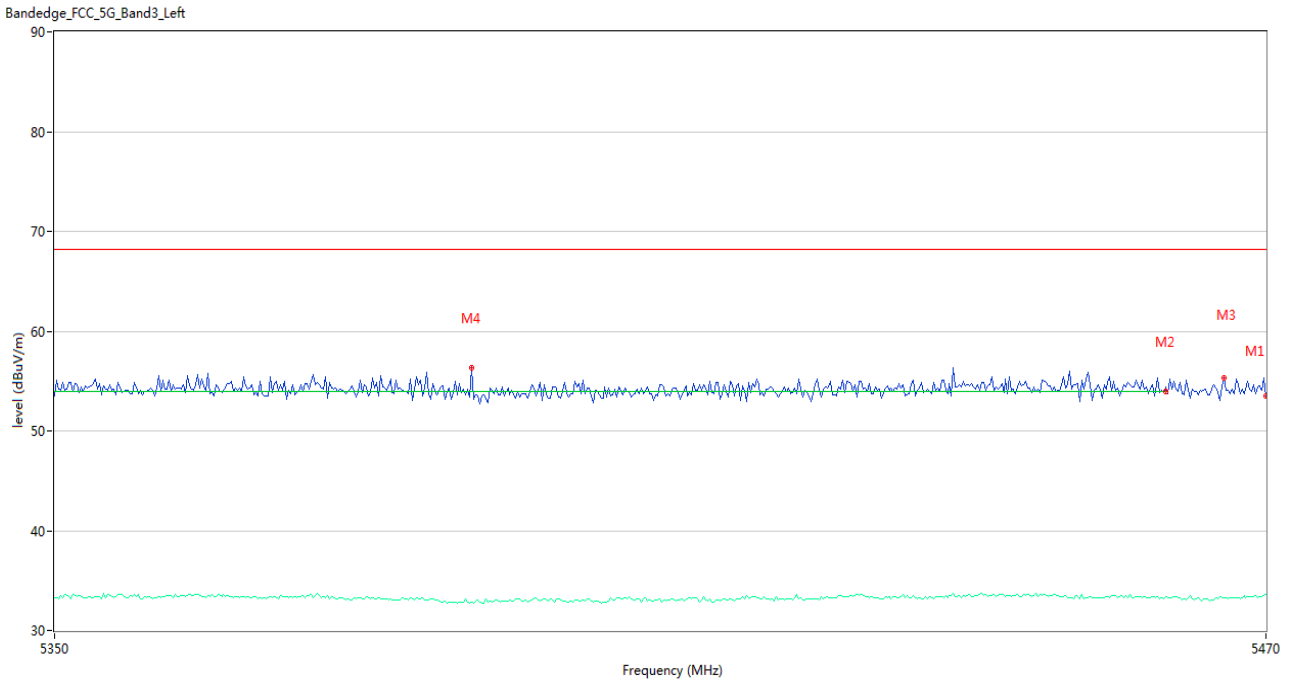
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5470.000	54.87	6.19	68.2	-13.33	Peak	246.00	150	Horizontal	Pass
1**	5470.000	33.37	6.19	--	--	AV	246.00	150	Horizontal	N/A
2	5460.000	55.00	5.66	68.2	-13.20	Peak	105.00	150	Horizontal	Pass
2**	5460.000	33.36	5.66	54.0	-20.64	AV	105.00	150	Horizontal	Pass
3	5461.800	56.59	5.68	68.2	-11.61	Peak	286.00	150	Horizontal	Pass
3**	5461.800	33.37	5.68	--	--	AV	286.00	150	Horizontal	N/A
4	5375.800	56.72	5.74	68.2	-11.48	Peak	300.00	150	Horizontal	Pass
4**	5375.800	33.56	5.74	54.0	-20.44	AV	300.00	150	Horizontal	Pass

U-NII-2C & U-NII-3 11n40 CH142



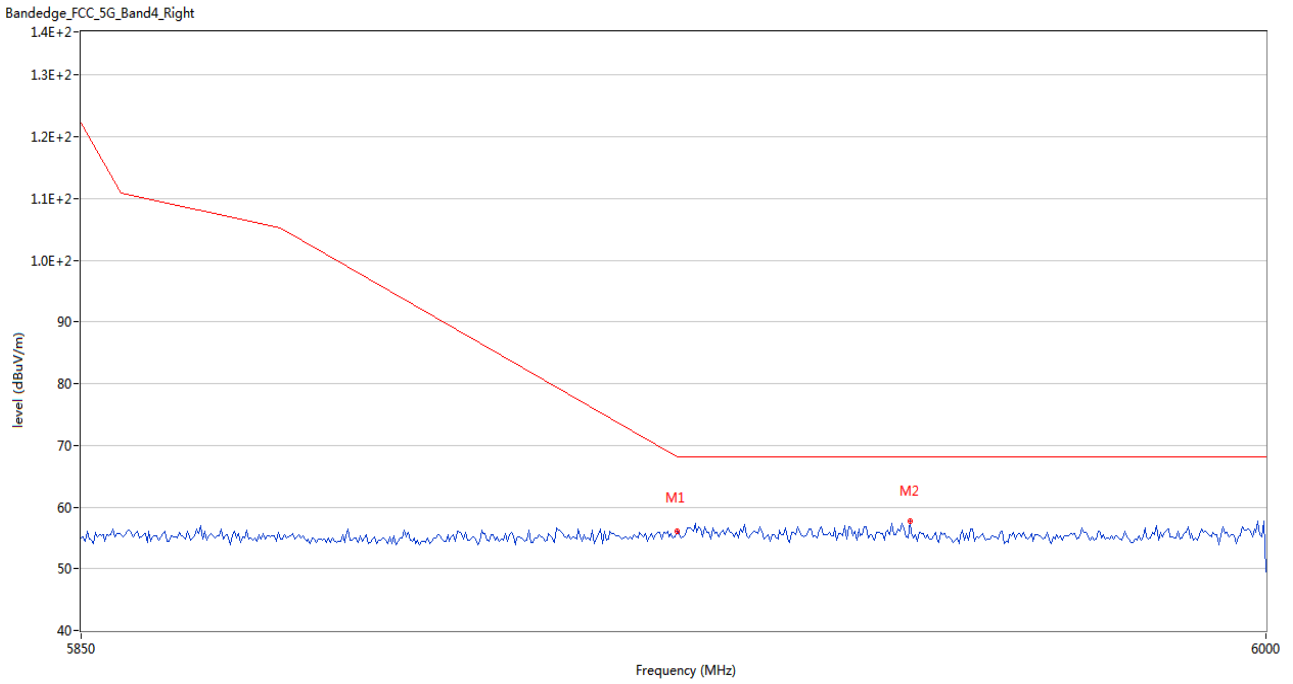
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	55.99	7.77	68.2	-12.21	Peak	336.00	150	Horizontal	Pass
2	5992.750	57.94	8.09	68.2	-10.26	Peak	297.00	150	Horizontal	Pass

U-NII-2C & U-NII-3 11ac20 CH144



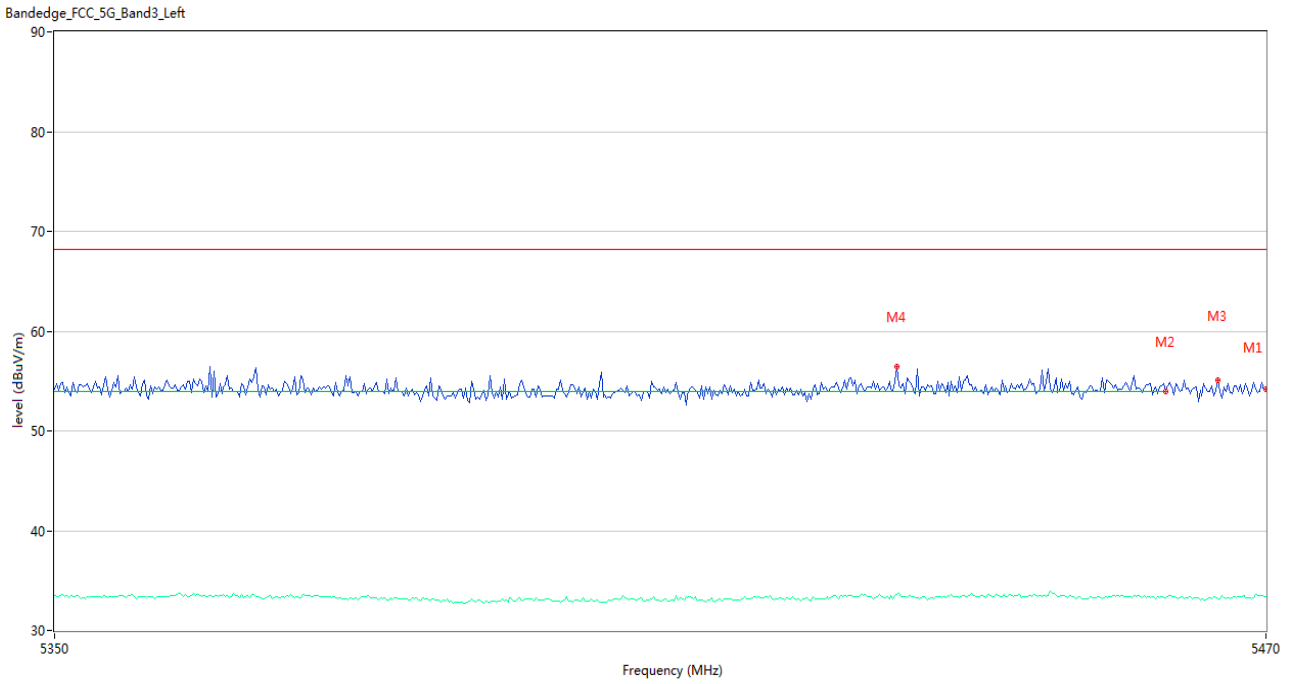
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5470.000	53.49	6.19	68.2	-14.71	Peak	323.00	150	Horizontal	Pass
1**	5470.000	33.64	6.19	--	--	AV	323.00	150	Horizontal	N/A
2	5460.000	54.39	5.66	68.2	-13.81	Peak	70.00	150	Horizontal	Pass
2**	5460.000	33.41	5.66	54.0	-20.59	AV	70.00	150	Horizontal	Pass
3	5465.800	55.26	5.82	68.2	-12.94	Peak	137.00	150	Horizontal	Pass
3**	5465.800	33.28	5.82	--	--	AV	137.00	150	Horizontal	N/A
4	5391.000	56.35	5.40	68.2	-11.85	Peak	114.00	150	Horizontal	Pass
4**	5391.000	32.78	5.40	54.0	-21.22	AV	114.00	150	Horizontal	Pass

U-NII-2C & U-NII-3 11ac20 CH144



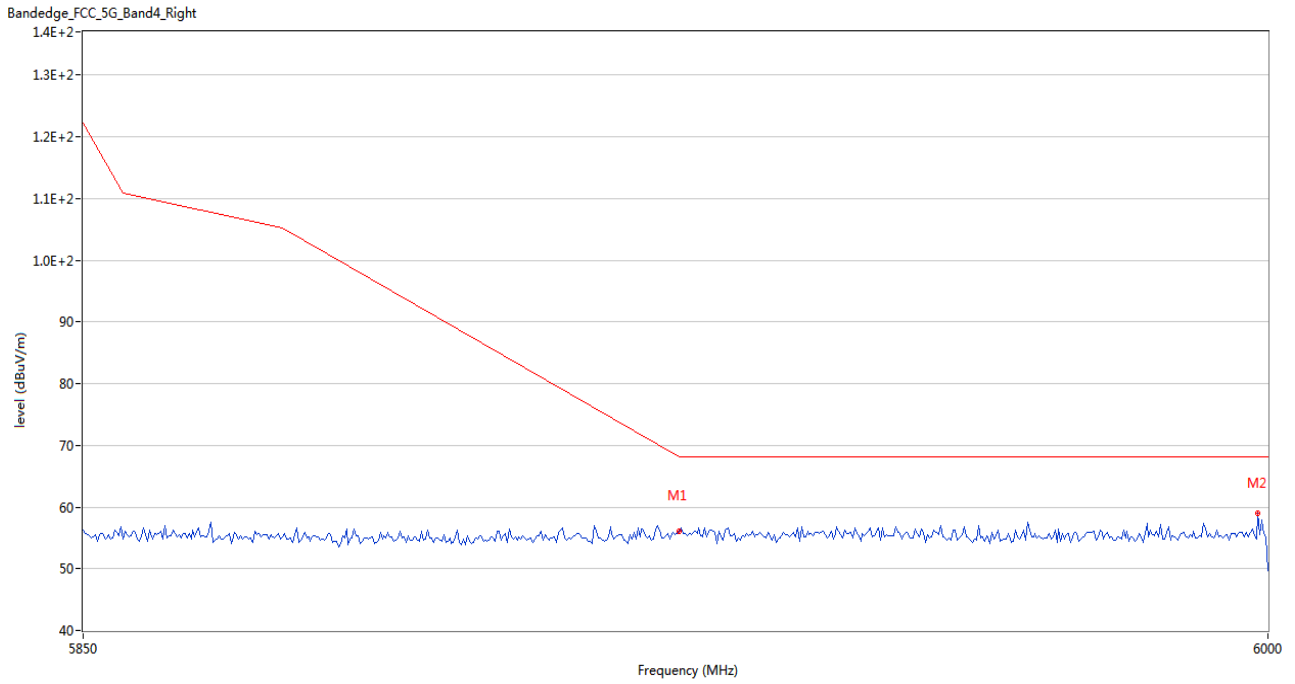
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	56.04	7.77	68.2	-12.16	Peak	309.00	150	Horizontal	Pass
2	5954.500	57.67	8.06	68.2	-10.53	Peak	15.00	150	Horizontal	Pass

U-NII-2C & U-NII-3 11ac40 CH142



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5470.000	54.15	6.19	68.2	-14.05	Peak	205.00	150	Horizontal	Pass
1**	5470.000	33.38	6.19	--	--	AV	205.00	150	Horizontal	N/A
2	5460.000	54.09	5.66	68.2	-14.11	Peak	75.00	150	Horizontal	Pass
2**	5460.000	33.25	5.66	54.0	-20.75	AV	75.00	150	Horizontal	Pass
3	5465.200	55.08	5.77	68.2	-13.12	Peak	51.00	150	Horizontal	Pass
3**	5465.200	33.19	5.77	--	--	AV	51.00	150	Horizontal	N/A
4	5433.200	56.42	5.64	68.2	-11.78	Peak	132.00	150	Horizontal	Pass
4**	5433.200	33.56	5.64	54.0	-20.44	AV	132.00	150	Horizontal	Pass

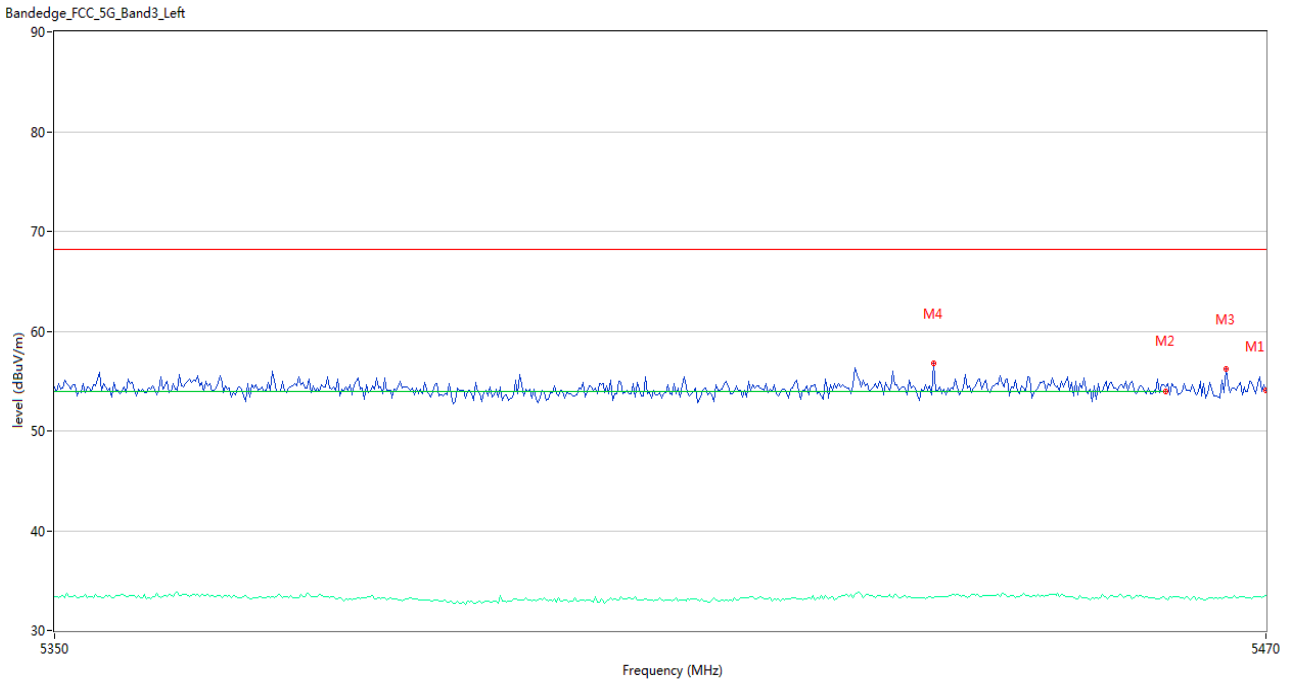
U-NII-2C & U-NII-3 11ac40 CH142



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	56.03	7.77	68.2	-12.17	Peak	43.00	150	Horizontal	Pass
2	5998.750	58.97	8.02	68.2	-9.23	Peak	263.00	150	Horizontal	Pass

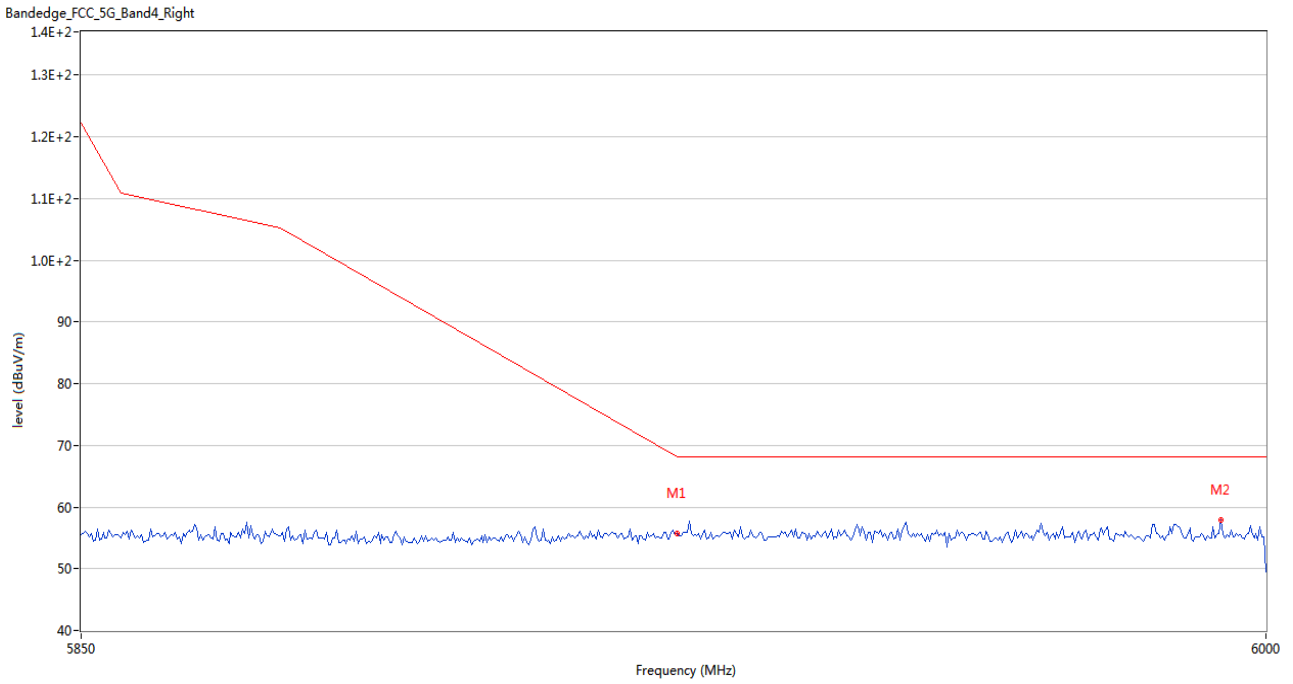


U-NII-2C & U-NII-3 11ac80 CH138



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5470.000	54.03	6.19	68.2	-14.17	Peak	272.00	150	Horizontal	Pass
1**	5470.000	33.46	6.19	--	--	AV	272.00	150	Horizontal	N/A
2	5460.000	54.44	5.66	68.2	-13.76	Peak	133.00	150	Horizontal	Pass
2**	5460.000	33.17	5.66	54.0	-20.83	AV	133.00	150	Horizontal	Pass
3	5466.000	56.16	5.84	68.2	-12.04	Peak	272.00	150	Horizontal	Pass
3**	5466.000	33.42	5.84	--	--	AV	272.00	150	Horizontal	N/A
4	5436.800	56.79	5.55	68.2	-11.41	Peak	360.00	150	Horizontal	Pass
4**	5436.800	33.29	5.55	54.0	-20.71	AV	360.00	150	Horizontal	Pass

U-NII-2C & U-NII-3 11ac80 CH138



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	55.72	7.77	68.2	-12.48	Peak	82.00	150	Horizontal	Pass
2	5994.250	57.84	7.93	68.2	-10.36	Peak	197.00	150	Horizontal	Pass

## ANNEX B TEST SETUP PHOTOS

### 1 Radiated Test Photo

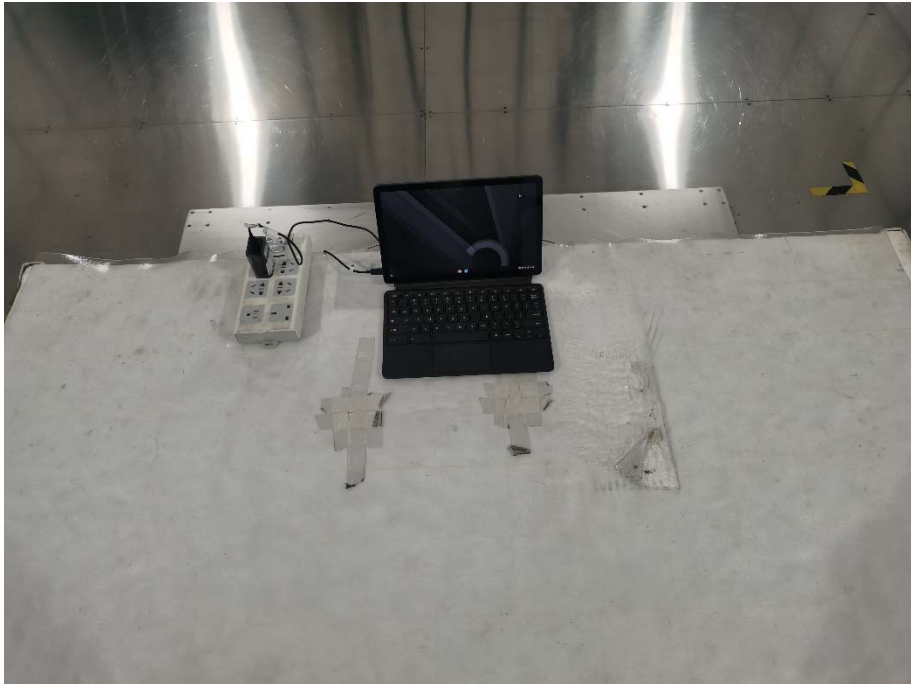
Below 30MHz



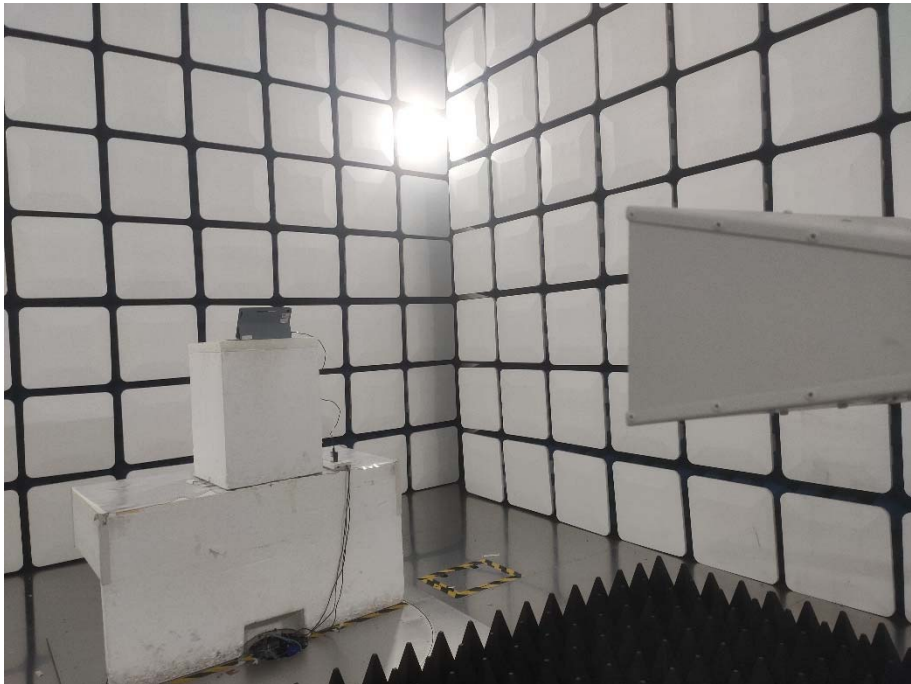
30MHz-1GHz



Close-up



Above 1GHz



Close-up



## 2 Conducted Test Photo

Conducted Test-WIFI





### 3 Conducted Emissions

Test Photo 1



Test Photo 2



--END OF REPORT--