

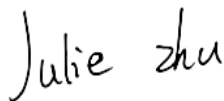
# TEST REPORT

**Applicant:** Mudita Sp. z o.o.  
**Address:** Jana Czeczota 6, 02-607 Warszawa, Poland  
**Equipment Type:** GSM/WCDMA/LTE Mobile Phone  
**Model Name:** Kompakt  
**Brand Name:** Mudita  
**FCC ID:** 2BCWI-KOMPAKT  
**ISED Number:** 31299-KOMPAKT  
**Test Standard:** 47 CFR Part 15 Subpart E  
RSS-Gen Issue 5  
RSS-247 Issue 3  
(refer to section 3.1)  
**Sample Arrival Date:** Nov. 22, 2023  
**Test Date:** Dec. 04, 2023 - Dec. 05, 2023  
**Date of Issue:** Mar. 19, 2024

**ISSUED BY:**

Shenzhen BALUN Technology Co., Ltd.

**Tested by:** Jiu Zhu



**Checked by:** Ye Hongji



**Approved by:** Liao Jianming  
(Technical Director)



<b>Revision History</b>		
Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Mar. 19, 2024</u>	<u>Initial Issue</u>

## TABLE OF CONTENTS

1	GENERAL INFORMATION.....	4
1.1	Test Laboratory .....	4
1.2	Test Location .....	4
2	PRODUCT INFORMATION .....	5
2.1	Applicant Information .....	5
2.2	Manufacturer Information.....	5
2.3	General Description for Equipment under Test (EUT).....	5
2.4	Technical Information .....	6
2.5	Channel List .....	7
3	SUMMARY OF TEST RESULTS .....	10
3.1	Test Standards .....	10
3.2	Test Verdict .....	10
4	GENERAL TEST CONFIGURATIONS .....	11
4.1	Test Environments.....	11
4.2	Test Equipment List.....	11
4.3	Test Software List.....	12
4.4	Measurement Uncertainty.....	12
4.5	Description of Test Setup .....	13
5	TEST ITEMS .....	16
5.1	RF Output Power.....	16
5.2	Emission Bandwidth and 6 dB Bandwidth.....	18
5.3	Power Spectral density (PSD) .....	19
5.4	Conducted Emission.....	20
5.5	Radiated Spurious Emissions and Band Edge (Restricted-band).....	21

---

ANNEX A	TEST RESULT .....	26
A.1	RF Output Power .....	26
A.2	Emission Bandwidth & 99% Bandwidth .....	32
A.3	6 dB Bandwidth .....	36
A.4	Power Spectral Density .....	37
A.5	Conducted Emissions .....	43
A.6	Radiated Spurious Emissions and Band Edge (Restricted-band).....	45
ANNEX B	TEST SETUP PHOTOS .....	156
ANNEX C	EUT EXTERNAL PHOTOS.....	156
ANNEX D	EUT INTERNAL PHOTOS.....	156

# 1 GENERAL INFORMATION

## 1.1 Test Laboratory

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

## 1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	<input checked="" type="checkbox"/> Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	<input type="checkbox"/> 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196. The laboratory has been listed by Industry Canada to perform electromagnetic emission measurements. The recognition numbers of test site are 11524A.

## 2 PRODUCT INFORMATION

### 2.1 Applicant Information

Applicant	Mudita Sp. z o.o.
Address	Jana Czeczota 6, 02-607 Warszawa, Poland

### 2.2 Manufacturer Information

Manufacturer	Mudita Sp. z o.o.
Address	Jana Czeczota 6, 02-607 Warszawa, Poland

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

EUT Name	GSM/WCDMA/LTE Mobile Phone
Model Name Under Test	Kompakt
Series Model Name	/
Description of Model name differentiation	/
Serial Number	/
Hardware Version	V0.3
Software Version	/
Dimensions (Approx.)	/
Weight (Approx.)	/
Note: The product is available in three different appearance colours (black, white and gray), the software and hardware are identical, only the color is different.	

## 2.4 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS 850 MHz 3G Network WCDMA/HSDPA/HSUPA Band 5 4G Network FDD LTE Band 5/7/12/13/18/19/26 TDD LTE Band 38/41 Bluetooth (BR+EDR+BLE) 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20) 5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac (VHT20/40/80) U-NII-1/2A/2C/3, GPS, GLONASS, FM Receiver, NFC, WPT(receiver only)
-----------------------------------	--

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 Indoor for IC standard
Modulation technology	OFDM
Modulation Type	256QAM, 64QAM, 16QAM, BPSK, QPSK
Transfer Rate (Mbps) (Single RF path)	802.11a: 54/ 48/ 36/ 24/ 18/ 12/ 9/ 6 Mbps 802.11n: up to 150 Mbps 802.11ac: up to VHT-MCS9
Channel Bandwidth	802.11a: 20 MHz 802.11n: 20 MHz, 40 MHz 802.11ac: 20 MHz, 40 MHz, 80 MHz
Maximum Output Power	U-NII-1: 12.19 mW U-NII-2A: 14.66 mW U-NII-2C: 16.75 mW U-NII-3: 16.11 mW
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	PIFA Antenna
Antenna Gain	U-NII-1: 5150 MHz to 5250 MHz: 0.21 dBi U-NII-2A: 5250 MHz to 5350 MHz: 0.19 dBi U-NII-2C: 5470 MHz to 5725 MHz: 0.47 dBi U-NII-3: 5725 MHz to 5850 MHz: -0.22 dBi
About the Product	The equipment is GSM/WCDMA/LTE Mobile Phone, intended for used with information technology equipment.

## 2.5 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>138</b>	<b>5690</b>
<b>52</b>	<b>5260</b>	<b>102</b>	<b>5510</b>	<b>155</b>	<b>5775</b>
56	5280	110	5550		
<b>60</b>	<b>5300</b>	<b>151</b>	<b>5755</b>		
<b>64</b>	<b>5320</b>	<b>159</b>	<b>5795</b>		
<b>100</b>	<b>5500</b>				
104	5520				
108	5540				
112	5560				
<b>116</b>	<b>5580</b>				
136	5680				
<b>140</b>	<b>5700</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	149	Low	5745
116	Mid	5580	157	Mid	5785
140	High	5700	165	High	5825

For 802.11n(HT40)/ac(VHT40)

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

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

For 802.11ac(VHT80)

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

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



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

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

### 3 SUMMARY OF TEST RESULTS

#### 3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15 Subpart E	Unlicensed National Information Infrastructure Devices
2	RSS-Gen Issue 5	General Requirements for Compliance of Radio Apparatus
3	RSS-247 Issue 3	Digital Transmission Systems (DTSs), Frequency Hopping Systems(FHSs) and Licence-Exemp Local Area Network (LE-LAN) Devices
4	KDB Publication 789033 D02v02r01	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
5	ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices

#### 3.2 Test Verdict

No.	Description	FCC Part No.	RSS Part No.	Test Result	Verdict
1	Antenna Requirement	15.203	RSS-247, 6.2	--	Pass <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	44% to 59%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+22.6°C to +25.3°C
	LT (Low Temperature)	+0.0°C
	HT (High Temperature)	+50.0°C
Working Voltage of the EUT	NV (Normal Voltage)	3.80 V
	LV (Low Voltage)	3.40 V
	HV (High Voltage)	4.45 V

### 4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	KEYSIGHT	N9020A	MY50330200	2023.05.16	2024.05.15
Power Sensor	KEYSIGHT	U2063XA	MY58000251	2023.07.12	2024.07.11
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-40	101544	2022.12.28	2023.12.27
Spectrum Analyzer	KEYSIGHT	N9020A	MY50531259	2023.09.05	2024.09.04
Signaling Unit	ROHDE&SCHWARZ	CMW500	171150	2023.06.19	2024.06.18
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	02460	2021.05.19	2024.05.08
Test Antenna-Horn	A-INFO	LB- 180400KF	J211060273	2021.07.02	2024.07.01
Anechoic Chamber	RAINFORD	9m*6m*6m	140	2022.02.19	2024.08.15
Amplifier	COM-MV	ZT30- 1000M	07210897	2023.09.05	2024.09.04
Amplifier	COM-MV	LSCX_LNA 1-12G-01	7210214	2023.09.05	2024.09.04
Amplifier	COM-MV	XKu_LNA7- 18G-01	7210209	2023.09.05	2024.09.04
Amplifier	COM-MV	KA LNA18 40G-01	18050001	2022.12.07	2023.12.06
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2023.09.05	2024.09.04
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2021.04.16	2024.04.15
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60 *7.35m	130	2021.08.15	2024.08.14
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9163	9163-624	2021.08.20	2024.08.19
EMI Receiver	KEYSIGHT	N9038A	MY53220118	2023.09.05	2024.09.04
Anechoic Chamber	RAINFORD	9m*6m*6m	101	2023.03.26	2026.03.03
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2023.09.05	2024.09.04

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
LISN	SCHWARZBECK	NSLK 8127	8127-687	2023.05.16	2024.05.15
Shielded Enclosure	YiHeng Electronic Co., Ltd	3.5m*3.1m* 2.8m	112	2022.02.19	2025.02.18

### 4.3 Test Software List

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

### 4.4 Measurement Uncertainty

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

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

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

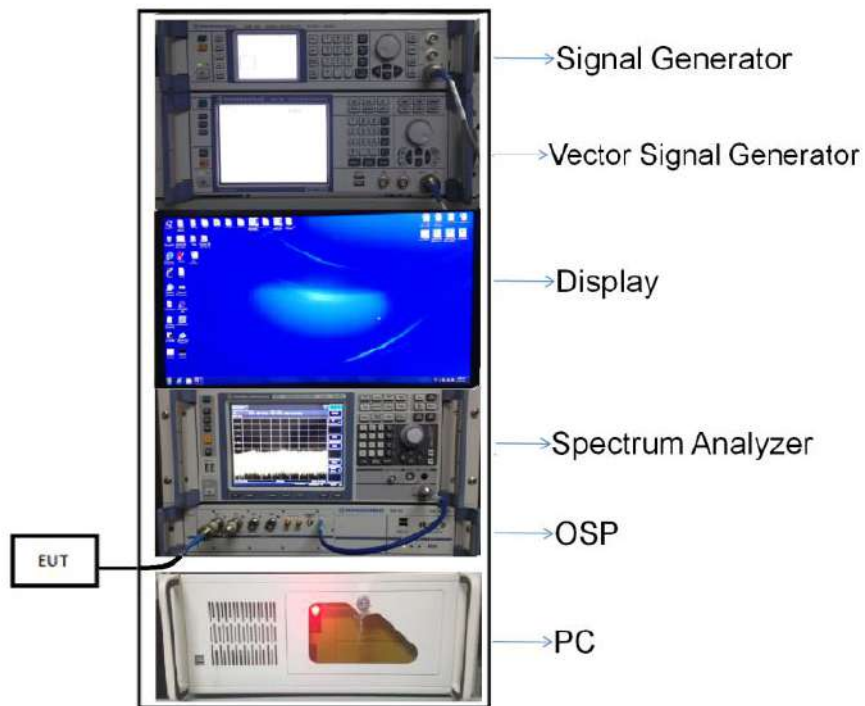
## 4.5 Description of Test Setup

### 4.5.1 For Antenna Port Test

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

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

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



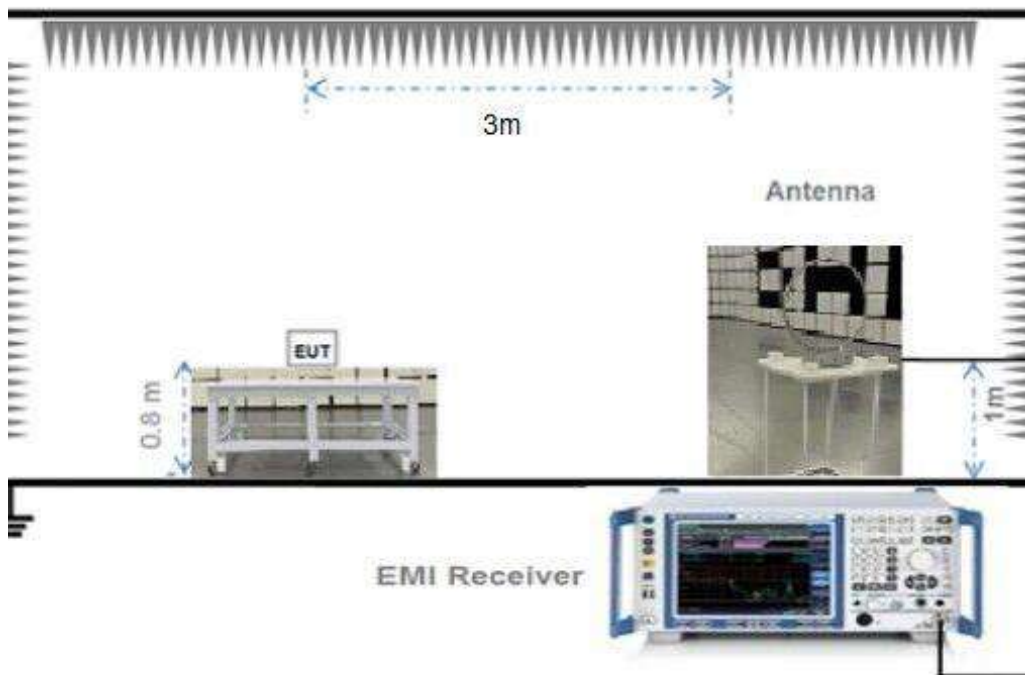
(Diagram 1)

### 4.5.2 For AC Power Supply Port Test



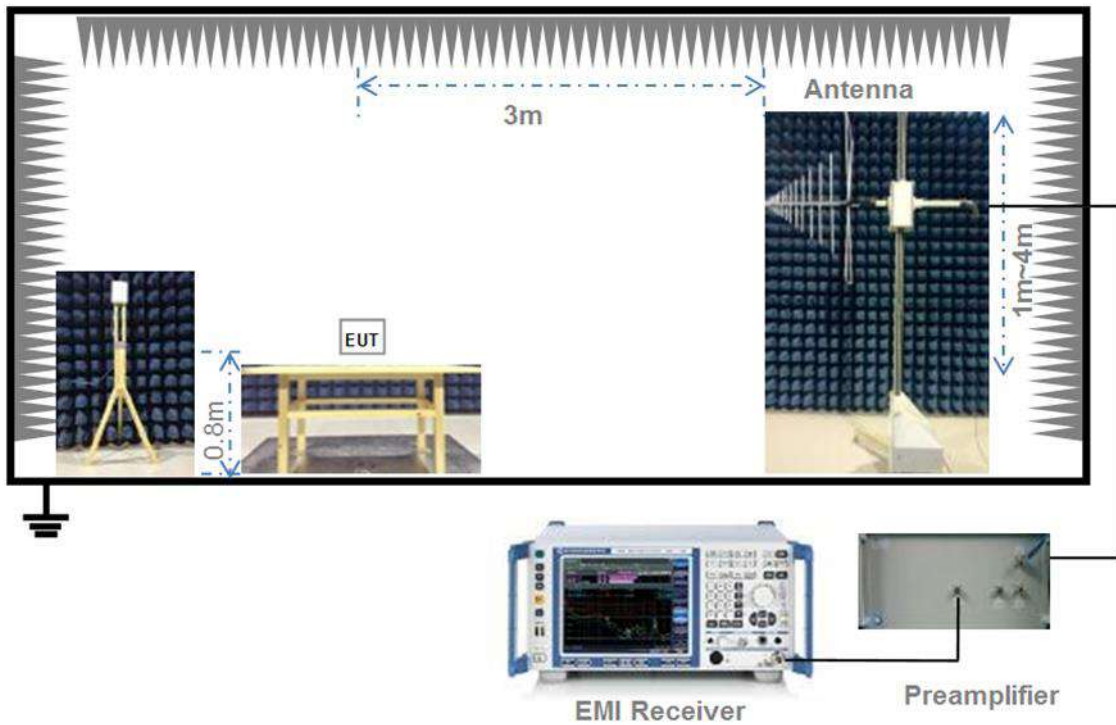
(Diagram 2)

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



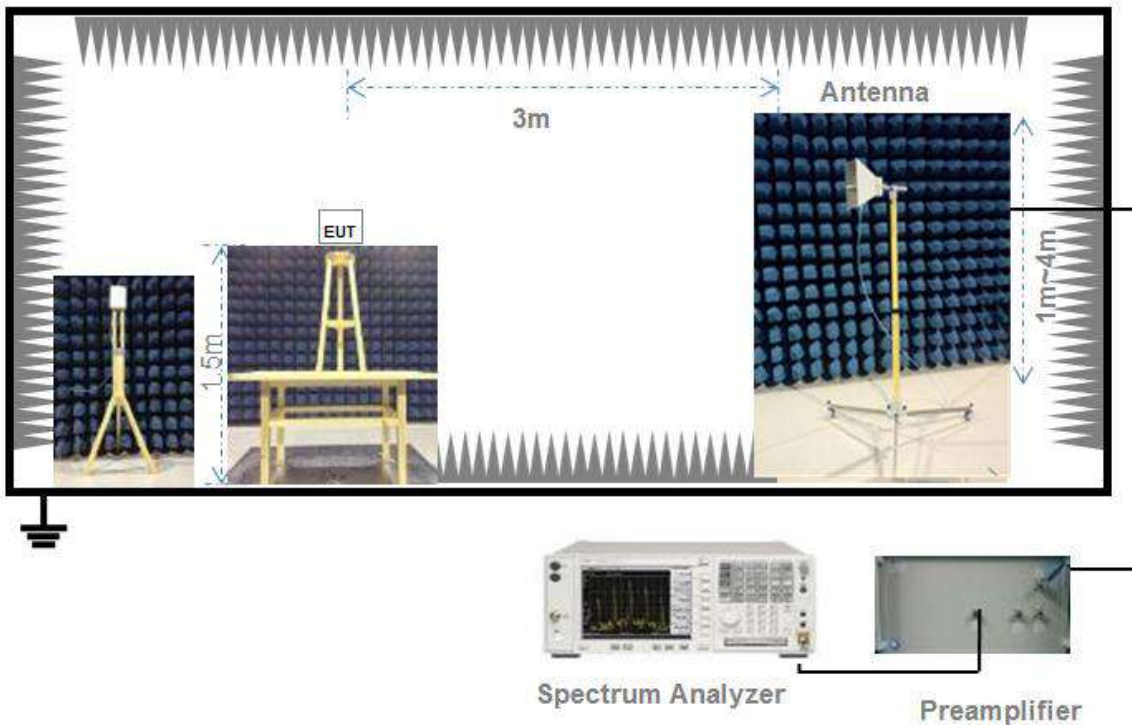
(Diagram 3)

4.5.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.5.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

## 5 TEST ITEMS

### 5.1 RF Output Power

#### 5.1.1 Test Limit

FCC §15.407(a)

The maximum conducted output power should not exceed:

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

RSS-247, 6.2

The maximum conducted output power shall not exceed:

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

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

Frequency Band (MHz)	Limit
5150-5250	200 mW or 10 dBm + 10log B, whichever is less.
5250-5350	1W or 17 dBm + 10log B, whichever is less.
5470-5725	1W or 17 dBm + 10log B, whichever is less.
5725-5850	N/A
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 (µV/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 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).
- c) For devices with multiple antenna-ports, measure the power of each individual chain and sum the EIRP of all chains in linear terms (e.g., Watts, mW).
- d) Convert the resultant EIRP level to an equivalent electric field strength using the following relationship:

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

where:

E = electric field strength in dB $\mu$ V/m,

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

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

### Quasi-Peak measurement procedure

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

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

emission limits using a peak detector.

#### Peak power measurement procedure

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

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

Table 1—RBW as a function of frequency

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

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

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

If continuous transmission of the EUT (i.e., duty cycle  $\geq 98$  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  $\text{span}/(\# \text{ of points in sweep}) \leq (\text{RBW}/2)$ . Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak.
- f) Averaging type = power (i.e., RMS).
  - 1) As an alternative, the detector and averaging type may be set for linear voltage averaging.
  - 2) Some instruments require linear display mode in order to use linear voltage averaging. Log or dB averaging shall not be used.
- g) Sweep time = auto.

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

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

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

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

3) If a specific emission is demonstrated to be continuous ( $\geq 98$  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° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

The power of the EUT transmitting frequency should be ignored.

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

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

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

VBW  $\geq$  RBW

Sweep = auto

Detector function = peak

Trace = max hold

#### 5.5.4 Test Result

Please refer to ANNEX A.6.

## ANNEX A TEST RESULT

### A.1 RF Output Power

Note<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>: The Conducted Power has considered the Duty Factor.

#### Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle	Duty Factor
11a	1.39	1.44	96.87%	0.14
11n (HT20)/11ac (VHT20)	1.31	1.36	96.76%	0.14
11n (HT40)/11ac (VHT40)	0.65	0.70	93.70%	0.28
11ac (VHT80)	0.32	0.37	87.79%	0.57

#### Test Data

##### Conducted Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	10.86	12.19	250	Pass
11a	CH44	10.37	10.89	250	Pass
11a	CH48	10.54	11.32	250	Pass
11n (HT20)	CH36	9.27	8.45	250	Pass
11n (HT20)	CH44	9.87	9.71	250	Pass
11n (HT20)	CH48	10.09	10.21	250	Pass
11n (HT40)	CH38	9.46	8.83	250	Pass
11n (HT40)	CH46	9.44	8.79	250	Pass
11ac (VHT20)	CH36	8.26	6.70	250	Pass
11ac (VHT20)	CH44	8.39	6.90	250	Pass
11ac (VHT20)	CH48	8.45	7.00	250	Pass
11ac (VHT40)	CH38	8.48	7.05	250	Pass
11ac (VHT40)	CH46	8.42	6.95	250	Pass
11ac (VHT80)	CH42	8.57	7.19	250	Pass

U-NII-2A (5250 - 5350 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH52	11.40	13.80	250	208	Pass
11a	CH60	11.66	14.66	250	208	Pass
11a	CH64	11.42	13.87	250	208	Pass
11n (HT20)	CH52	9.70	9.33	250	222	Pass
11n (HT20)	CH60	9.62	9.16	250	222	Pass
11n (HT20)	CH64	10.33	10.79	250	222	Pass
11n (HT40)	CH54	9.92	9.82	250	250	Pass
11n (HT40)	CH62	10.29	10.69	250	250	Pass
11ac (VHT20)	CH52	8.73	7.46	250	222	Pass
11ac (VHT20)	CH60	9.20	8.32	250	222	Pass
11ac (VHT20)	CH64	9.35	8.61	250	222	Pass
11ac (VHT40)	CH54	9.02	7.98	250	250	Pass
11ac (VHT40)	CH62	9.47	8.85	250	250	Pass
11ac (VHT80)	CH58	9.21	8.34	250	250	Pass

U-NII-2C (5470 - 5725 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH100	12.24	16.75	250	208	Pass
11a	CH116	11.68	14.72	250	208	Pass
11a	CH140	12.03	15.96	250	208	Pass
11n (HT20)	CH100	11.19	13.15	250	222	Pass
11n (HT20)	CH116	11.23	13.27	250	222	Pass
11n (HT20)	CH140	10.51	11.25	250	222	Pass
11n (HT40)	CH102	11.22	13.24	250	250	Pass
11n (HT40)	CH118	11.21	13.21	250	250	Pass
11n (HT40)	CH134	10.54	11.32	250	250	Pass
11ac (VHT20)	CH100	9.68	9.29	250	222	Pass
11ac (VHT20)	CH116	9.66	9.25	250	222	Pass
11ac (VHT20)	CH140	9.47	8.85	250	222	Pass
11ac (VHT40)	CH102	10.20	10.47	250	250	Pass
11ac (VHT40)	CH118	10.15	10.35	250	250	Pass
11ac (VHT40)	CH134	10.07	10.16	250	250	Pass
11ac (VHT80)	CH106	9.87	9.71	250	250	Pass
11ac (VHT80)	CH122	10.43	11.04	250	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC/IC Limit (mW)	Verdict
11a	CH149	12.07	16.11	1000	Pass
11a	CH157	11.88	15.42	1000	Pass
11a	CH165	11.85	15.31	1000	Pass
11n (HT20)	CH149	10.90	12.30	1000	Pass
11n (HT20)	CH157	10.74	11.86	1000	Pass
11n (HT20)	CH165	10.94	12.42	1000	Pass
11n (HT40)	CH151	10.86	12.19	1000	Pass
11n (HT40)	CH159	10.42	11.02	1000	Pass
11ac (VHT20)	CH149	9.49	8.89	1000	Pass
11ac (VHT20)	CH157	9.30	8.51	1000	Pass
11ac (VHT20)	CH165	9.51	8.93	1000	Pass
11ac (VHT40)	CH151	9.47	8.85	1000	Pass
11ac (VHT40)	CH159	9.41	8.73	1000	Pass
11ac (VHT80)	CH155	9.37	8.65	1000	Pass

E.I.R.P

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH36	11.06	12.76	165	Pass
11a	CH44	10.57	11.40	165	Pass
11a	CH48	10.74	11.86	165	Pass
11n (HT20)	CH36	9.47	8.85	176	Pass
11n (HT20)	CH44	10.07	10.16	176	Pass
11n (HT20)	CH48	10.29	10.69	176	Pass
11n (HT40)	CH38	9.66	9.25	200	Pass
11n (HT40)	CH46	9.64	9.20	200	Pass
11ac (VHT20)	CH36	8.46	7.01	176	Pass
11ac (VHT20)	CH44	8.59	7.23	176	Pass
11ac (HVT20)	CH48	8.65	7.33	176	Pass
11ac (VHT40)	CH38	8.68	7.38	200	Pass
11ac (VHT40)	CH46	8.62	7.28	200	Pass
11ac (VHT80)	CH42	8.77	7.53	200	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH52	11.60	14.45	827	Pass
11a	CH60	11.86	15.35	828	Pass
11a	CH64	11.62	14.52	828	Pass
11n (HT20)	CH52	9.90	9.77	883	Pass
11n (HT20)	CH60	9.82	9.59	883	Pass
11n (HT20)	CH64	10.53	11.30	882	Pass
11n (HT40)	CH54	10.12	10.28	1000	Pass
11n (HT40)	CH62	10.49	11.19	1000	Pass
11ac (VHT20)	CH52	8.93	7.82	882	Pass
11ac (VHT20)	CH60	9.40	8.71	883	Pass
11ac (HVT20)	CH64	9.55	9.02	883	Pass
11ac (VHT40)	CH54	9.22	8.36	1000	Pass
11ac (VHT40)	CH62	9.67	9.27	1000	Pass
11ac (VHT80)	CH58	9.41	8.73	1000	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH100	12.44	17.54	828	Pass
11a	CH116	11.88	15.42	827	Pass
11a	CH140	12.23	16.71	829	Pass
11n (HT20)	CH100	11.39	13.77	883	Pass
11n (HT20)	CH116	11.43	13.90	883	Pass
11n (HT20)	CH140	10.71	11.78	883	Pass
11n (HT40)	CH102	11.42	13.87	1000	Pass
11n (HT40)	CH118	11.41	13.84	1000	Pass
11n (HT40)	CH134	10.74	11.86	1000	Pass
11ac (VHT20)	CH100	9.88	9.73	882	Pass
11ac (VHT20)	CH116	9.86	9.68	882	Pass
11ac (VHT20)	CH140	9.67	9.27	882	Pass
11ac (VHT40)	CH102	10.40	10.96	1000	Pass
11ac (VHT40)	CH118	10.35	10.84	1000	Pass
11ac (VHT40)	CH134	10.27	10.64	1000	Pass
11ac (VHT80)	CH106	10.07	10.16	1000	Pass
11ac (VHT80)	CH122	10.63	11.56	1000	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH149	12.27	16.87	Pass
11a	CH157	12.08	16.14	Pass
11a	CH165	12.05	16.03	Pass
11n (HT20)	CH149	11.10	12.88	Pass
11n (HT20)	CH157	10.94	12.42	Pass
11n (HT20)	CH165	11.14	13.00	Pass
11n (HT40)	CH151	11.06	12.76	Pass
11n (HT40)	CH159	10.62	11.53	Pass
11ac (VHT20)	CH149	9.69	9.31	Pass
11ac (VHT20)	CH157	9.50	8.91	Pass
11ac (VHT20)	CH165	9.71	9.35	Pass
11ac (VHT40)	CH151	9.67	9.27	Pass
11ac (VHT40)	CH159	9.61	9.14	Pass
11ac (VHT80)	CH155	9.57	9.06	Pass

## A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ23B0377-604 Data Part 1.pdf".

### Test Data

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	20.18	16.52
11a	CH44	20.07	16.53
11a	CH48	20.03	16.51
11n (HT20)	CH36	20.31	17.62
11n (HT20)	CH44	20.38	17.60
11n (HT20)	CH48	20.37	17.60
11n (HT40)	CH38	40.69	35.12
11n (HT40)	CH46	40.78	36.10
11ac (VHT20)	CH36	20.37	17.61
11ac (VHT20)	CH44	20.36	17.62
11ac (VHT20)	CH48	20.42	17.61
11ac (VHT40)	CH38	40.61	36.12
11ac (VHT40)	CH46	40.73	36.16
11ac (VHT80)	CH42	81.16	75.66



U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	20.07	16.50
11a	CH60	20.19	16.51
11a	CH64	20.09	16.51
11n (HT20)	CH52	20.36	17.61
11n (HT20)	CH60	20.39	17.62
11n (HT20)	CH64	20.34	17.60
11n (HT40)	CH54	40.74	36.12
11n (HT40)	CH62	40.90	36.11
11ac (VHT20)	CH52	20.38	17.60
11ac (VHT20)	CH60	20.34	17.62
11ac (VHT20)	CH64	20.38	17.62
11ac (VHT40)	CH54	40.73	36.13
11ac (VHT40)	CH62	40.69	36.15
11ac (VHT80)	CH58	81.23	75.65

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	20.16	16.51
11a	CH116	20.02	16.51
11a	CH140	20.15	16.53
11n (HT20)	CH100	20.39	17.62
11n (HT20)	CH116	20.41	17.62
11n (HT20)	CH140	20.35	17.62
11n (HT40)	CH102	40.63	36.12
11n (HT40)	CH118	40.64	36.12
11n (HT40)	CH134	40.59	36.08
11ac (VHT20)	CH100	20.50	17.60
11ac (VHT20)	CH116	20.44	17.60
11ac (VHT20)	CH140	20.37	17.60
11ac (VHT40)	CH102	40.57	36.10
11ac (VHT40)	CH118	40.46	36.09
11ac (VHT40)	CH134	40.58	36.08
11ac (VHT80)	CH106	81.35	75.53
11ac (VHT80)	CH122	81.30	75.45

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	20.08	16.55
11a	CH157	20.01	16.55
11a	CH165	20.29	16.56
11n (HT20)	CH149	20.37	17.61
11n (HT20)	CH157	20.41	17.63
11n (HT20)	CH165	20.38	17.61
11n (HT40)	CH151	40.87	36.14
11n (HT40)	CH159	40.65	36.16
11ac (VHT20)	CH149	20.23	17.59
11ac (VHT20)	CH157	20.34	17.61
11ac (VHT20)	CH165	20.40	17.63
11ac (VHT40)	CH151	40.85	36.12
11ac (VHT40)	CH159	40.57	36.15
11ac (VHT80)	CH155	81.07	75.62

### A.3 6 dB Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ23B0377-604 Data Part 2.pdf".

#### Test Data

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	15.20	500.00	Pass
11a	CH157	15.20	500.00	Pass
11a	CH165	15.25	500.00	Pass
11n (HT20)	CH149	15.20	500.00	Pass
11n (HT20)	CH157	15.25	500.00	Pass
11n (HT20)	CH165	15.20	500.00	Pass
11n (HT40)	CH151	35.20	500.00	Pass
11n (HT40)	CH159	35.20	500.00	Pass
11ac (VHT20)	CH149	15.20	500.00	Pass
11ac (VHT20)	CH157	15.20	500.00	Pass
11ac (VHT20)	CH165	15.20	500.00	Pass
11ac (VHT40)	CH151	35.20	500.00	Pass
11ac (VHT40)	CH159	35.20	500.00	Pass
11ac (VHT80)	CH155	75.25	500.00	Pass

## A.4 Power Spectral Density

Note<sup>1</sup>: Test plots please refer to the document "Annex No.: BL-SZ23B0377-604 Data Part 3.pdf".

Note<sup>2</sup>: The PSD has considered the Duty Factor

### Test Data

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH36	-0.36	11.00	Pass
11a	CH44	-0.15	11.00	Pass
11a	CH48	0.04	11.00	Pass
11n (HT20)	CH36	-1.54	11.00	Pass
11n (HT20)	CH44	-0.95	11.00	Pass
11n (HT20)	CH48	-1.27	11.00	Pass
11n (HT40)	CH38	-4.52	11.00	Pass
11n (HT40)	CH46	-4.42	11.00	Pass
11ac (VHT20)	CH36	-2.57	11.00	Pass
11ac (VHT20)	CH44	-2.39	11.00	Pass
11ac (VHT20)	CH48	-2.28	11.00	Pass
11ac (VHT40)	CH38	-5.53	11.00	Pass
11ac (VHT40)	CH46	-5.36	11.00	Pass
11ac (VHT80)	CH42	-8.69	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH52	0.56	11.00	Pass
11a	CH60	1.10	11.00	Pass
11a	CH64	0.73	11.00	Pass
11n (HT20)	CH52	-1.26	11.00	Pass
11n (HT20)	CH60	-0.51	11.00	Pass
11n (HT20)	CH64	-0.53	11.00	Pass
11n (HT40)	CH54	-3.87	11.00	Pass
11n (HT40)	CH62	-4.04	11.00	Pass
11ac (VHT20)	CH52	-2.05	11.00	Pass
11ac (VHT20)	CH60	-1.77	11.00	Pass
11ac (VHT20)	CH64	-1.45	11.00	Pass
11ac (VHT40)	CH54	-4.87	11.00	Pass
11ac (VHT40)	CH62	-5.02	11.00	Pass
11ac (VHT80)	CH58	-7.97	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH100	1.77	11.00	Pass
11a	CH116	1.37	11.00	Pass
11a	CH140	1.04	11.00	Pass
11n (HT20)	CH100	0.38	11.00	Pass
11n (HT20)	CH116	0.51	11.00	Pass
11n (HT20)	CH140	-0.36	11.00	Pass
11n (HT40)	CH102	-2.53	11.00	Pass
11n (HT40)	CH118	-2.56	11.00	Pass
11n (HT40)	CH134	-3.29	11.00	Pass
11ac (VHT20)	CH100	-1.16	11.00	Pass
11ac (VHT20)	CH116	-1.04	11.00	Pass
11ac (VHT20)	CH140	-1.42	11.00	Pass
11ac (VHT40)	CH102	-3.41	11.00	Pass
11ac (VHT40)	CH118	-3.37	11.00	Pass
11ac (VHT40)	CH134	-4.25	11.00	Pass
11ac (VHT80)	CH106	-7.36	11.00	Pass
11ac (VHT80)	CH122	-6.80	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	-1.15	30.00	Pass
11a	CH157	-2.12	30.00	Pass
11a	CH165	-1.61	30.00	Pass
11n (HT20)	CH149	-3.16	30.00	Pass
11n (HT20)	CH157	-2.85	30.00	Pass
11n (HT20)	CH165	-2.58	30.00	Pass
11n (HT40)	CH151	-6.22	30.00	Pass
11n (HT40)	CH159	-6.40	30.00	Pass
11ac (VHT20)	CH149	-4.05	30.00	Pass
11ac (VHT20)	CH157	-4.38	30.00	Pass
11ac (VHT20)	CH165	-4.18	30.00	Pass
11ac (VHT40)	CH151	-7.15	30.00	Pass
11ac (VHT40)	CH159	-7.24	30.00	Pass
11ac (VHT80)	CH155	-10.69	30.00	Pass



E.I.R.P PSD

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	E.I.R.P Limit (dBm/MHz)	Verdict
11a	CH36	-0.16	10.00	Pass
11a	CH44	0.05	10.00	Pass
11a	CH48	0.24	10.00	Pass
11n (HT20)	CH36	-1.34	10.00	Pass
11n (HT20)	CH44	-0.75	10.00	Pass
11n (HT20)	CH48	-1.07	10.00	Pass
11n (HT40)	CH38	-4.32	10.00	Pass
11n (HT40)	CH46	-4.22	10.00	Pass
11ac (VHT20)	CH36	-2.37	10.00	Pass
11ac (VHT20)	CH44	-2.19	10.00	Pass
11ac (VHT20)	CH48	-2.08	10.00	Pass
11ac (VHT40)	CH38	-5.33	10.00	Pass
11ac (VHT40)	CH46	-5.16	10.00	Pass
11ac (VHT80)	CH42	-8.49	10.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)		Verdict
11a	CH52	0.76		Pass
11a	CH60	1.30		Pass
11a	CH64	0.93		Pass
11n (HT20)	CH52	-1.06		Pass
11n (HT20)	CH60	-0.31		Pass
11n (HT20)	CH64	-0.33		Pass
11n (HT40)	CH54	-3.67		Pass
11n (HT40)	CH62	-3.84		Pass
11ac (VHT20)	CH52	-1.85		Pass
11ac (VHT20)	CH60	-1.57		Pass
11ac (VHT20)	CH64	-1.25		Pass
11ac (VHT40)	CH54	-4.67		Pass
11ac (VHT40)	CH62	-4.82		Pass
11ac (VHT80)	CH58	-7.77		Pass

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH100	1.97	Pass
11a	CH116	1.57	Pass
11a	CH140	1.24	Pass
11n (HT20)	CH100	0.58	Pass
11n (HT20)	CH116	0.71	Pass
11n (HT20)	CH140	-0.16	Pass
11n (HT40)	CH102	-2.33	Pass
11n (HT40)	CH118	-2.36	Pass
11n (HT40)	CH134	-3.09	Pass
11ac (VHT20)	CH100	-0.96	Pass
11ac (VHT20)	CH116	-0.84	Pass
11ac (VHT20)	CH140	-1.22	Pass
11ac (VHT40)	CH102	-3.21	Pass
11ac (VHT40)	CH118	-3.17	Pass
11ac (VHT40)	CH134	-4.05	Pass
11ac (VHT80)	CH106	-7.16	Pass
11ac (VHT80)	CH122	-6.60	Pass

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH149	-0.95	Pass
11a	CH157	-1.92	Pass
11a	CH165	-1.41	Pass
11n (HT20)	CH149	-2.96	Pass
11n (HT20)	CH157	-2.65	Pass
11n (HT20)	CH165	-2.38	Pass
11n (HT40)	CH151	-6.02	Pass
11n (HT40)	CH159	-6.20	Pass
11ac (VHT20)	CH149	-3.85	Pass
11ac (VHT20)	CH157	-4.18	Pass
11ac (VHT20)	CH165	-3.98	Pass
11ac (VHT40)	CH151	-6.95	Pass
11ac (VHT40)	CH159	-7.04	Pass
11ac (VHT80)	CH155	-10.49	Pass

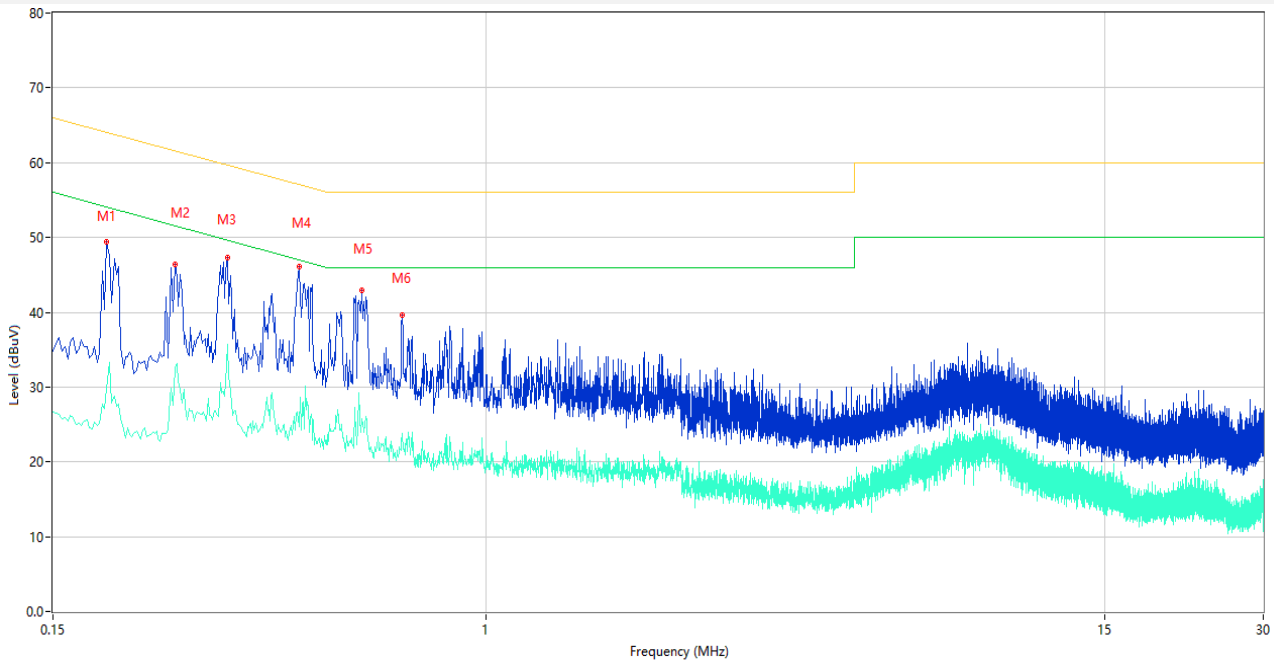
## A.5 Conducted Emissions

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.

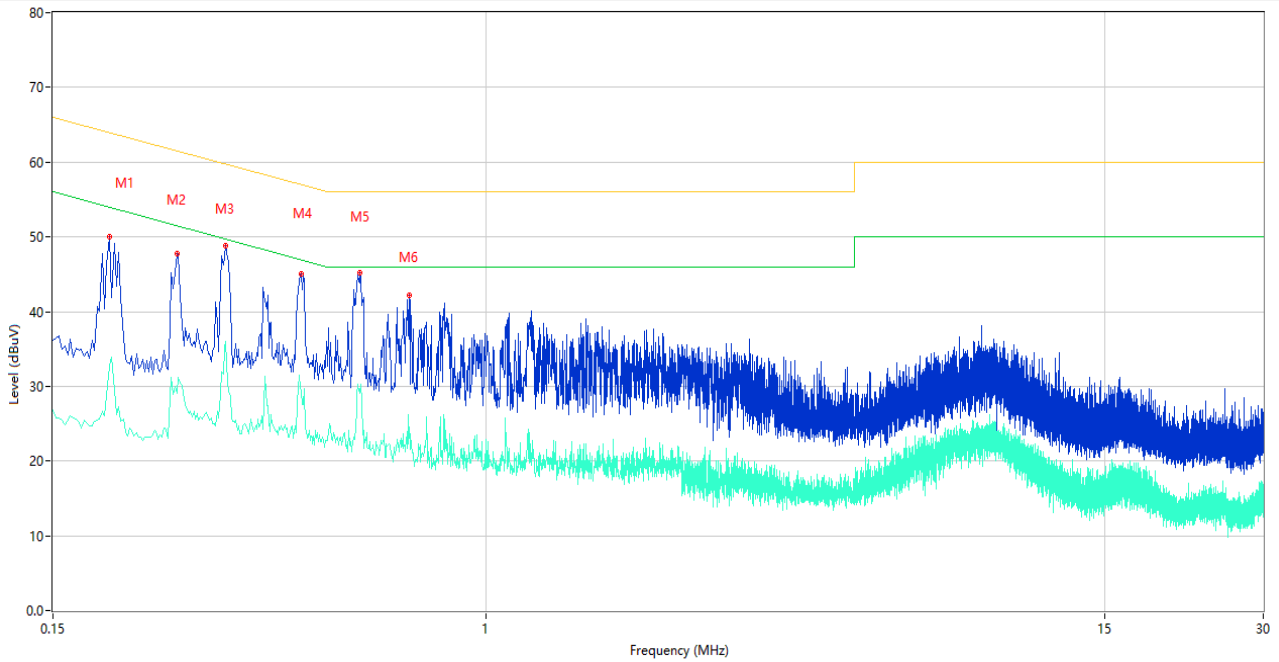
### Test Data and Plots

#### PHASE L



No.	Frequency (MHz)	Results (dBUV)	Factor (dB)	Limit (dBUV)	Margin (dB)	Detector	Line	Verdict
1	0.190	49.37	9.43	64.04	14.67	Peak	L	Pass
1**	0.190	29.77	9.43	54.04	24.27	AV	L	Pass
2	0.256	46.40	9.43	61.56	15.16	Peak	L	Pass
2**	0.256	32.52	9.43	51.56	19.04	AV	L	Pass
3	0.322	47.38	9.39	59.66	12.28	Peak	L	Pass
3**	0.322	35.65	9.39	49.66	14.01	AV	L	Pass
4	0.440	46.06	9.95	57.06	11.00	Peak	L	Pass
4**	0.440	24.65	9.95	47.06	22.41	AV	L	Pass
5	0.580	42.91	9.93	56.00	13.09	Peak	L	Pass
5**	0.580	25.83	9.93	46.00	20.17	AV	L	Pass
6	0.692	39.65	10.02	56.00	16.35	Peak	L	Pass
6**	0.692	23.84	10.02	46.00	22.16	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.192	49.98	9.43	63.95	13.97	Peak	N	Pass
1**	0.192	32.69	9.43	53.95	21.26	AV	N	Pass
2	0.258	47.70	9.43	61.50	13.80	Peak	N	Pass
2**	0.258	29.05	9.43	51.50	22.45	AV	N	Pass
3	0.320	48.85	9.39	59.71	10.86	Peak	N	Pass
3**	0.320	36.04	9.39	49.71	13.67	AV	N	Pass
4	0.444	44.99	9.94	56.99	12.00	Peak	N	Pass
4**	0.444	29.21	9.94	46.99	17.78	AV	N	Pass
5	0.576	45.25	9.92	56.00	10.75	Peak	N	Pass
5**	0.576	29.06	9.92	46.00	16.94	AV	N	Pass
6	0.714	42.25	9.87	56.00	13.75	Peak	N	Pass
6**	0.714	24.62	9.87	46.00	21.38	AV	N	Pass

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

Note <sup>1</sup>: The symbol of "--" in the table which means not application.

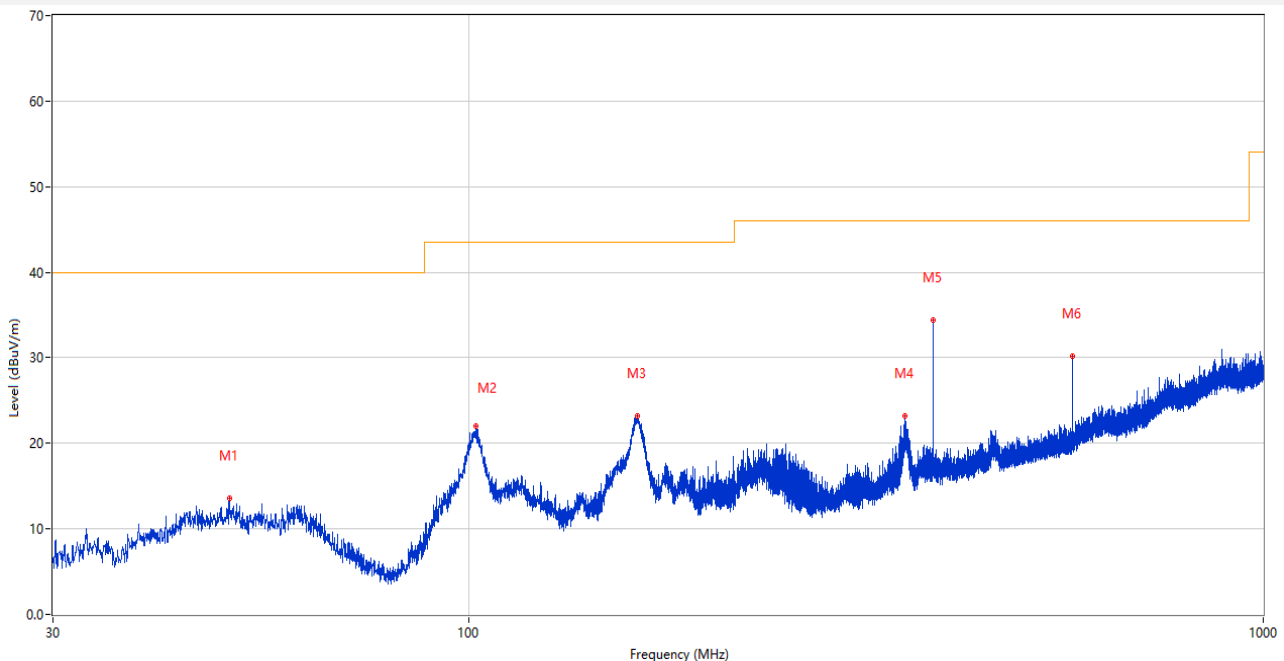
Note <sup>2</sup>: For the test data above 1 GHz, According the ANSI C63.4, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note <sup>3</sup>: 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 <sup>4</sup>: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.

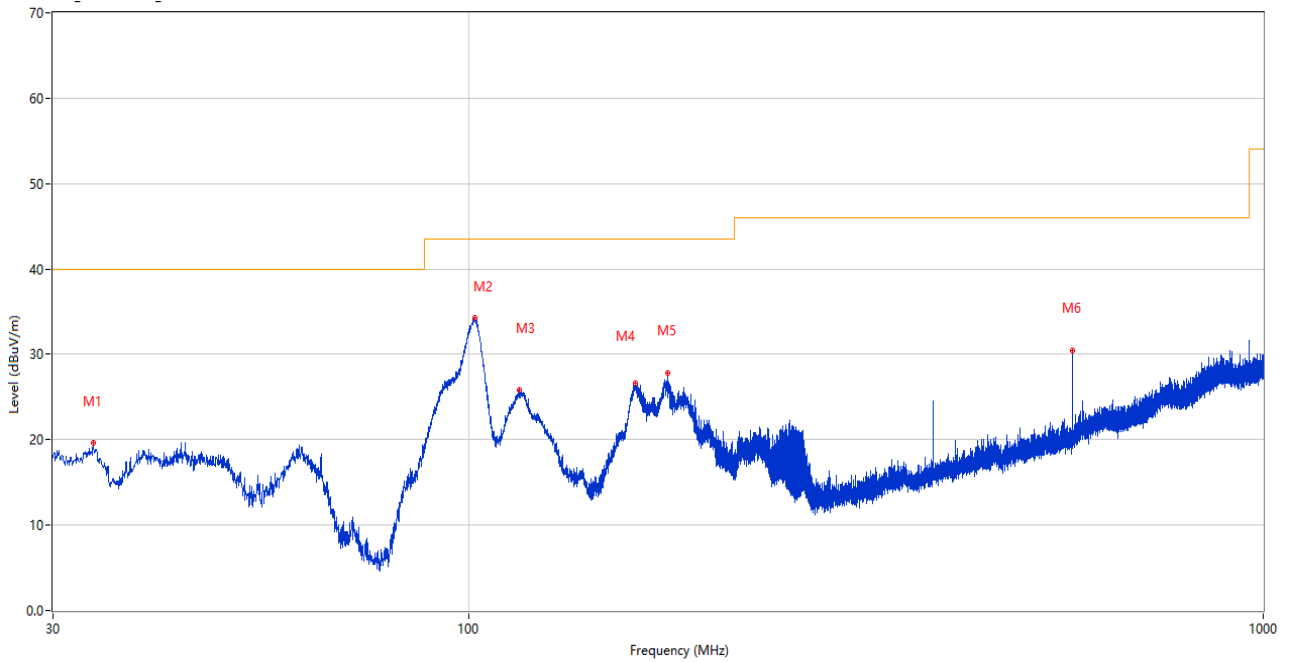
### Test Data and Plots

30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	49.982	13.62	-25.24	40.0	26.38	Peak	123.00	100	Horizontal	Pass
2	102.168	21.99	-26.88	43.5	21.51	Peak	154.00	200	Horizontal	Pass
3	163.181	23.16	-29.38	43.5	20.34	Peak	51.00	200	Horizontal	Pass
4	353.980	23.18	-21.94	46.0	22.82	Peak	234.00	100	Horizontal	Pass
5	384.002	34.36	-21.29	46.0	11.64	Peak	43.00	100	Horizontal	Pass
6	576.013	30.18	-16.94	46.0	15.82	Peak	80.00	200	Horizontal	Pass

30 MHz to 1 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	33.686	19.58	-29.40	40.0	20.42	Peak	19.00	100	Vertical	Pass
2	101.780	34.31	-26.90	43.5	9.19	Peak	99.00	100	Vertical	Pass
3	115.991	25.84	-28.49	43.5	17.66	Peak	290.00	100	Vertical	Pass
4	162.163	26.66	-29.38	43.5	16.84	Peak	25.00	100	Vertical	Pass
5	178.119	27.80	-28.69	43.5	15.70	Peak	320.00	100	Vertical	Pass
6	576.013	30.49	-16.94	46.0	15.51	Peak	67.00	100	Vertical	Pass

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

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1561.500	37.75	-17.59	74.0	36.25	Peak	162.00	100	Horizontal	Pass
1**	1561.500	28.13	-17.59	54.0	25.87	AV	162.00	100	Horizontal	Pass
2	4394.500	47.75	-4.73	74.0	26.25	Peak	360.00	200	Horizontal	Pass
2**	4394.500	37.72	-4.73	54.0	16.28	AV	360.00	200	Horizontal	Pass
3	5181.000	102.70	-2.37	--	--	Peak	168.00	200	Horizontal	N/A
3**	5181.000	95.46	-2.37	--	--	AV	168.00	200	Horizontal	N/A
4	7479.750	53.94	0.88	74.0	20.06	Peak	319.00	400	Horizontal	Pass
4**	7479.750	43.87	0.88	54.0	10.13	AV	319.00	400	Horizontal	Pass
5	11786.700	52.35	-0.16	74.0	21.65	Peak	325.00	200	Horizontal	Pass
5**	11786.700	43.86	-0.16	54.0	10.14	AV	325.00	200	Horizontal	Pass
6	16139.662	53.03	2.07	74.0	20.97	Peak	266.00	300	Horizontal	Pass
6**	16139.662	43.21	2.07	54.0	10.79	AV	266.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1541.500	38.10	-17.25	74.0	35.90	Peak	125.00	100	Vertical	Pass
1**	1541.500	28.51	-17.25	54.0	25.49	AV	125.00	100	Vertical	Pass
2	4235.000	46.94	-5.17	74.0	27.06	Peak	126.00	400	Vertical	Pass
2**	4235.000	38.33	-5.17	54.0	15.67	AV	126.00	400	Vertical	Pass
3	5180.750	100.10	-2.42	--	--	Peak	308.00	150	Vertical	N/A
3**	5180.750	92.37	-2.42	--	--	AV	308.00	150	Vertical	N/A
4	7312.500	53.15	0.79	74.0	20.85	Peak	256.00	300	Vertical	Pass
4**	7312.500	43.88	0.79	54.0	10.12	AV	256.00	300	Vertical	Pass
5	11795.488	52.65	-0.15	74.0	21.35	Peak	188.00	100	Vertical	Pass
5**	11795.488	43.04	-0.15	54.0	10.96	AV	188.00	100	Vertical	Pass
6	16148.588	53.42	2.14	74.0	20.58	Peak	360.00	100	Vertical	Pass
6**	16148.588	44.24	2.14	54.0	9.76	AV	360.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1620.900	38.32	-16.91	74.0	35.68	Peak	157.00	400	Horizontal	Pass
1**	1620.900	28.80	-16.91	54.0	25.20	AV	157.00	400	Horizontal	Pass
2	4387.000	47.61	-4.61	74.0	26.39	Peak	329.00	200	Horizontal	Pass
2**	4387.000	37.68	-4.61	54.0	16.32	AV	329.00	200	Horizontal	Pass
3	5220.000	103.45	-2.96	--	--	Peak	150.00	150	Horizontal	N/A
3**	5220.000	94.28	-2.96	--	--	AV	150.00	150	Horizontal	N/A
4	7347.750	52.61	0.04	74.0	21.39	Peak	307.00	300	Horizontal	Pass
4**	7347.750	43.58	0.04	54.0	10.42	AV	307.00	300	Horizontal	Pass
5	12519.625	52.28	1.33	74.0	21.72	Peak	208.00	200	Horizontal	Pass
5**	12519.625	42.29	1.33	54.0	11.71	AV	208.00	200	Horizontal	Pass
6	16124.701	53.48	1.95	74.0	20.52	Peak	89.00	300	Horizontal	Pass
6**	16124.701	42.59	1.95	54.0	11.41	AV	89.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1574.700	38.08	-16.87	74.0	35.92	Peak	196.00	400	Vertical	Pass
1**	1574.700	28.86	-16.87	54.0	25.14	AV	196.00	400	Vertical	Pass
2	4377.250	47.09	-5.03	74.0	26.91	Peak	123.00	300	Vertical	Pass
2**	4377.250	38.09	-5.03	54.0	15.91	AV	123.00	300	Vertical	Pass
3	5218.000	100.73	-2.80	--	--	Peak	293.00	200	Vertical	N/A
3**	5218.000	93.14	-2.80	--	--	AV	293.00	200	Vertical	N/A
4	7719.500	53.85	1.10	74.0	20.15	Peak	145.00	400	Vertical	Pass
4**	7719.500	43.49	1.10	54.0	10.51	AV	145.00	400	Vertical	Pass
5	12292.100	52.28	0.64	74.0	21.72	Peak	93.00	100	Vertical	Pass
5**	12292.100	43.17	0.64	54.0	10.83	AV	93.00	100	Vertical	Pass
6	16179.562	53.21	1.95	74.0	20.79	Peak	281.00	400	Vertical	Pass
6**	16179.562	44.05	1.95	54.0	9.95	AV	281.00	400	Vertical	Pass



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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1613.900	38.31	-16.70	74.0	35.69	Peak	360.00	300	Horizontal	Pass
1**	1613.900	28.37	-16.70	54.0	25.63	AV	360.00	300	Horizontal	Pass
2	4171.250	47.18	-5.34	74.0	26.82	Peak	360.00	100	Horizontal	Pass
2**	4171.250	37.07	-5.34	54.0	16.93	AV	360.00	100	Horizontal	Pass
3	5238.750	102.42	-2.91	--	--	Peak	149.00	100	Horizontal	N/A
3**	5238.750	94.98	-2.91	--	--	AV	149.00	100	Horizontal	N/A
4	7483.250	52.93	1.17	74.0	21.07	Peak	72.00	300	Horizontal	Pass
4**	7483.250	44.45	1.17	54.0	9.55	AV	72.00	300	Horizontal	Pass
5	11779.100	52.03	-0.17	74.0	21.97	Peak	180.00	200	Horizontal	Pass
5**	11779.100	42.52	-0.17	54.0	11.48	AV	180.00	200	Horizontal	Pass
6	16152.526	53.72	2.13	74.0	20.28	Peak	200.00	200	Horizontal	Pass
6**	16152.526	44.78	2.13	54.0	9.22	AV	200.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1592.200	38.00	-16.94	74.0	36.00	Peak	169.00	400	Vertical	Pass
1**	1592.200	28.96	-16.94	54.0	25.04	AV	169.00	400	Vertical	Pass
2	4055.250	47.31	-5.36	74.0	26.69	Peak	207.00	100	Vertical	Pass
2**	4055.250	37.69	-5.36	54.0	16.31	AV	207.00	100	Vertical	Pass
3	5238.750	100.64	-2.91	--	--	Peak	319.00	100	Vertical	N/A
3**	5238.750	93.26	-2.91	--	--	AV	319.00	100	Vertical	N/A
4	7742.500	53.48	0.60	74.0	20.52	Peak	65.00	200	Vertical	Pass
4**	7742.500	43.67	0.60	54.0	10.33	AV	65.00	200	Vertical	Pass
5	12277.375	52.14	0.80	74.0	21.86	Peak	191.00	150	Vertical	Pass
5**	12277.375	42.97	0.80	54.0	11.03	AV	191.00	150	Vertical	Pass
6	16149.638	54.94	2.15	74.0	19.06	Peak	220.00	200	Vertical	Pass
6**	16149.638	44.47	2.15	54.0	9.53	AV	220.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1512.300	38.76	-16.41	74.0	35.24	Peak	274.00	400	Horizontal	Pass
1**	1512.300	29.20	-16.41	54.0	24.80	AV	274.00	400	Horizontal	Pass
2	4259.750	46.53	-4.42	74.0	27.47	Peak	0.00	100	Horizontal	Pass
2**	4259.750	37.69	-4.42	54.0	16.31	AV	0.00	100	Horizontal	Pass
3	5181.250	100.66	-2.31	--	--	Peak	157.00	100	Horizontal	N/A
3**	5181.250	93.53	-2.31	--	--	AV	157.00	100	Horizontal	N/A
4	7357.500	53.50	0.68	74.0	20.50	Peak	210.00	300	Horizontal	Pass
4**	7357.500	43.84	0.68	54.0	10.16	AV	210.00	300	Horizontal	Pass
5	11787.650	51.94	-0.16	74.0	22.06	Peak	337.00	150	Horizontal	Pass
5**	11787.650	44.04	-0.16	54.0	9.96	AV	337.00	150	Horizontal	Pass
6	16152.001	53.47	2.14	74.0	20.53	Peak	312.00	400	Horizontal	Pass
6**	16152.001	43.51	2.14	54.0	10.49	AV	312.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1447.800	38.42	-16.73	74.0	35.58	Peak	101.00	300	Vertical	Pass
1**	1447.800	28.01	-16.73	54.0	25.99	AV	101.00	300	Vertical	Pass
2	4246.750	47.37	-4.40	74.0	26.63	Peak	247.00	200	Vertical	Pass
2**	4246.750	38.41	-4.40	54.0	15.59	AV	247.00	200	Vertical	Pass
3	5181.500	98.56	-2.37	--	--	Peak	331.00	150	Vertical	N/A
3**	5181.500	91.86	-2.37	--	--	AV	331.00	150	Vertical	N/A
4	7614.000	54.07	0.40	74.0	19.93	Peak	360.00	100	Vertical	Pass
4**	7614.000	42.88	0.40	54.0	11.12	AV	360.00	100	Vertical	Pass
5	11771.263	52.48	-0.17	74.0	21.52	Peak	327.00	200	Vertical	Pass
5**	11771.263	43.30	-0.17	54.0	10.70	AV	327.00	200	Vertical	Pass
6	16167.750	53.28	2.03	74.0	20.72	Peak	265.00	200	Vertical	Pass
6**	16167.750	45.38	2.03	54.0	8.62	AV	265.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1494.200	38.28	-17.16	74.0	35.72	Peak	43.00	300	Horizontal	Pass
1**	1494.200	28.13	-17.16	54.0	25.87	AV	43.00	300	Horizontal	Pass
2	4273.000	47.36	-5.23	74.0	26.64	Peak	360.00	300	Horizontal	Pass
2**	4273.000	36.80	-5.23	54.0	17.20	AV	360.00	300	Horizontal	Pass
3	5218.250	100.88	-2.79	--	--	Peak	160.00	150	Horizontal	N/A
3**	5218.250	93.06	-2.79	--	--	AV	160.00	150	Horizontal	N/A
4	7359.750	53.39	0.94	74.0	20.61	Peak	67.00	200	Horizontal	Pass
4**	7359.750	44.95	0.94	54.0	9.05	AV	67.00	200	Horizontal	Pass
5	11800.950	51.99	-0.16	74.0	22.01	Peak	275.00	150	Horizontal	Pass
5**	11800.950	43.19	-0.16	54.0	10.81	AV	275.00	150	Horizontal	Pass
6	16170.900	53.22	2.01	74.0	20.78	Peak	315.00	200	Horizontal	Pass
6**	16170.900	44.47	2.01	54.0	9.53	AV	315.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1458.100	38.37	-17.00	74.0	35.63	Peak	280.00	300	Vertical	Pass
1**	1458.100	28.48	-17.00	54.0	25.52	AV	280.00	300	Vertical	Pass
2	4129.500	46.64	-5.59	74.0	27.36	Peak	125.00	100	Vertical	Pass
2**	4129.500	37.27	-5.59	54.0	16.73	AV	125.00	100	Vertical	Pass
3	5222.250	98.80	-2.99	--	--	Peak	327.00	150	Vertical	N/A
3**	5222.250	90.96	-2.99	--	--	AV	327.00	150	Vertical	N/A
4	7646.000	53.30	0.89	74.0	20.70	Peak	251.00	300	Vertical	Pass
4**	7646.000	43.70	0.89	54.0	10.30	AV	251.00	300	Vertical	Pass
5	11786.937	52.32	-0.16	74.0	21.68	Peak	0.00	200	Vertical	Pass
5**	11786.937	43.56	-0.16	54.0	10.44	AV	0.00	200	Vertical	Pass
6	16157.250	53.22	2.10	74.0	20.78	Peak	220.00	300	Vertical	Pass
6**	16157.250	44.56	2.10	54.0	9.44	AV	220.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1523.000	38.25	-17.26	74.0	35.75	Peak	70.00	200	Horizontal	Pass
1**	1523.000	28.06	-17.26	54.0	25.94	AV	70.00	200	Horizontal	Pass
2	4330.500	46.77	-4.92	74.0	27.23	Peak	298.00	100	Horizontal	Pass
2**	4330.500	37.68	-4.92	54.0	16.32	AV	298.00	100	Horizontal	Pass
3	5238.250	100.89	-3.16	--	--	Peak	167.00	150	Horizontal	N/A
3**	5238.250	93.41	-3.16	--	--	AV	167.00	150	Horizontal	N/A
4	7371.500	53.95	0.83	74.0	20.05	Peak	360.00	100	Horizontal	Pass
4**	7371.500	43.56	0.83	54.0	10.44	AV	360.00	100	Horizontal	Pass
5	12276.901	52.66	0.81	74.0	21.34	Peak	190.00	150	Horizontal	Pass
5**	12276.901	43.15	0.81	54.0	10.85	AV	190.00	150	Horizontal	Pass
6	16082.175	52.89	1.52	74.0	21.11	Peak	132.00	400	Horizontal	Pass
6**	16082.175	44.43	1.52	54.0	9.57	AV	132.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1576.700	38.59	-16.94	74.0	35.41	Peak	53.00	400	Vertical	Pass
1**	1576.700	29.03	-16.94	54.0	24.97	AV	53.00	400	Vertical	Pass
2	4314.250	46.55	-4.88	74.0	27.45	Peak	197.00	300	Vertical	Pass
2**	4314.250	39.02	-4.88	54.0	14.98	AV	197.00	300	Vertical	Pass
3	5239.750	99.25	-2.75	--	--	Peak	310.00	100	Vertical	N/A
3**	5239.750	91.82	-2.75	--	--	AV	310.00	100	Vertical	N/A
4	7740.250	53.34	0.39	74.0	20.66	Peak	263.00	200	Vertical	Pass
4**	7740.250	43.96	0.39	54.0	10.04	AV	263.00	200	Vertical	Pass
5	12402.775	51.78	1.10	74.0	22.22	Peak	360.00	150	Vertical	Pass
5**	12402.775	42.12	1.10	54.0	11.88	AV	360.00	150	Vertical	Pass
6	16179.826	54.06	1.95	74.0	19.94	Peak	285.00	200	Vertical	Pass
6**	16179.826	44.55	1.95	54.0	9.45	AV	285.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1530.300	38.10	-16.89	74.0	35.90	Peak	145.00	100	Horizontal	Pass
1**	1530.300	29.04	-16.89	54.0	24.96	AV	145.00	100	Horizontal	Pass
2	4386.750	46.91	-5.05	74.0	27.09	Peak	134.00	300	Horizontal	Pass
2**	4386.750	37.36	-5.05	54.0	16.64	AV	134.00	300	Horizontal	Pass
3	5192.000	97.36	-2.71	--	--	Peak	154.00	200	Horizontal	N/A
3**	5192.000	90.34	-2.71	--	--	AV	154.00	200	Horizontal	N/A
4	7658.000	52.86	1.41	74.0	21.14	Peak	329.00	200	Horizontal	Pass
4**	7658.000	43.03	1.41	54.0	10.97	AV	329.00	200	Horizontal	Pass
5	12305.401	52.34	0.59	74.0	21.66	Peak	285.00	100	Horizontal	Pass
5**	12305.401	42.45	0.59	54.0	11.55	AV	285.00	100	Horizontal	Pass
6	16155.150	52.81	2.12	74.0	21.19	Peak	217.00	100	Horizontal	Pass
6**	16155.150	43.72	2.12	54.0	10.28	AV	217.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1441.100	38.59	-16.69	74.0	35.41	Peak	84.00	300	Vertical	Pass
1**	1441.100	28.47	-16.69	54.0	25.53	AV	84.00	300	Vertical	Pass
2	4352.750	47.51	-4.62	74.0	26.49	Peak	186.00	300	Vertical	Pass
2**	4352.750	37.29	-4.62	54.0	16.71	AV	186.00	300	Vertical	Pass
3	5188.250	95.54	-2.60	--	--	Peak	332.00	100	Vertical	N/A
3**	5188.250	88.32	-2.60	--	--	AV	332.00	100	Vertical	N/A
4	7711.750	53.35	2.04	74.0	20.65	Peak	210.00	300	Vertical	Pass
4**	7711.750	43.90	2.04	54.0	10.10	AV	210.00	300	Vertical	Pass
5	11786.700	52.30	-0.16	74.0	21.70	Peak	283.00	100	Vertical	Pass
5**	11786.700	43.25	-0.16	54.0	10.75	AV	283.00	100	Vertical	Pass
6	16181.401	53.42	1.94	74.0	20.58	Peak	261.00	100	Vertical	Pass
6**	16181.401	44.60	1.94	54.0	9.40	AV	261.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1443.000	38.69	-16.88	74.0	35.31	Peak	58.00	400	Horizontal	Pass
1**	1443.000	29.02	-16.88	54.0	24.98	AV	58.00	400	Horizontal	Pass
2	4258.750	47.43	-4.36	74.0	26.57	Peak	236.00	100	Horizontal	Pass
2**	4258.750	38.25	-4.36	54.0	15.75	AV	236.00	100	Horizontal	Pass
3	5232.000	98.52	-3.10	--	--	Peak	169.00	150	Horizontal	N/A
3**	5232.000	90.99	-3.10	--	--	AV	169.00	150	Horizontal	N/A
4	7746.000	52.81	0.18	74.0	21.19	Peak	103.00	300	Horizontal	Pass
4**	7746.000	43.72	0.18	54.0	10.28	AV	103.00	300	Horizontal	Pass
5	11772.925	52.61	-0.17	74.0	21.39	Peak	164.00	150	Horizontal	Pass
5**	11772.925	43.44	-0.17	54.0	10.56	AV	164.00	150	Horizontal	Pass
6	16165.387	52.94	2.05	74.0	21.06	Peak	217.00	200	Horizontal	Pass
6**	16165.387	45.51	2.05	54.0	8.49	AV	217.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1611.700	38.82	-16.87	74.0	35.18	Peak	103.00	200	Vertical	Pass
1**	1611.700	28.60	-16.87	54.0	25.40	AV	103.00	200	Vertical	Pass
2	4343.500	46.63	-4.97	74.0	27.37	Peak	336.00	200	Vertical	Pass
2**	4343.500	37.44	-4.97	54.0	16.56	AV	336.00	200	Vertical	Pass
3	5232.750	96.22	-3.05	--	--	Peak	336.00	100	Vertical	N/A
3**	5232.750	88.87	-3.05	--	--	AV	336.00	100	Vertical	N/A
4	7307.000	52.66	0.45	74.0	21.34	Peak	46.00	100	Vertical	Pass
4**	7307.000	43.20	0.45	54.0	10.80	AV	46.00	100	Vertical	Pass
5	12195.438	52.46	0.36	74.0	21.54	Peak	55.00	150	Vertical	Pass
5**	12195.438	42.71	0.36	54.0	11.29	AV	55.00	150	Vertical	Pass
6	16157.513	53.09	2.10	74.0	20.91	Peak	71.00	300	Vertical	Pass
6**	16157.513	44.40	2.10	54.0	9.60	AV	71.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1613.300	38.37	-16.72	74.0	35.63	Peak	184.00	400	Horizontal	Pass
1**	1613.300	28.91	-16.72	54.0	25.09	AV	184.00	400	Horizontal	Pass
2	4348.750	47.11	-4.53	74.0	26.89	Peak	0.00	200	Horizontal	Pass
2**	4348.750	37.94	-4.53	54.0	16.06	AV	0.00	200	Horizontal	Pass
3	5178.750	99.77	-2.72	--	--	Peak	176.00	150	Horizontal	N/A
3**	5178.750	92.27	-2.72	--	--	AV	176.00	150	Horizontal	N/A
4	7734.250	53.48	0.17	74.0	20.52	Peak	309.00	400	Horizontal	Pass
4**	7734.250	43.04	0.17	54.0	10.96	AV	309.00	400	Horizontal	Pass
5	12295.425	52.87	0.61	74.0	21.13	Peak	62.00	200	Horizontal	Pass
5**	12295.425	42.72	0.61	54.0	11.28	AV	62.00	200	Horizontal	Pass
6	16169.326	53.24	2.02	74.0	20.76	Peak	4.00	200	Horizontal	Pass
6**	16169.326	44.77	2.02	54.0	9.23	AV	4.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1573.000	38.57	-17.05	74.0	35.43	Peak	238.00	400	Vertical	Pass
1**	1573.000	29.51	-17.05	54.0	24.49	AV	238.00	400	Vertical	Pass
2	4257.750	47.42	-4.46	74.0	26.58	Peak	212.00	300	Vertical	Pass
2**	4257.750	37.27	-4.46	54.0	16.73	AV	212.00	300	Vertical	Pass
3	5181.000	97.25	-2.37	--	--	Peak	319.00	150	Vertical	N/A
3**	5181.000	89.36	-2.37	--	--	AV	319.00	150	Vertical	N/A
4	7646.250	52.86	0.71	74.0	21.14	Peak	190.00	100	Vertical	Pass
4**	7646.250	44.10	0.71	54.0	9.90	AV	190.00	100	Vertical	Pass
5	11783.375	52.66	-0.16	74.0	21.34	Peak	128.00	150	Vertical	Pass
5**	11783.375	42.95	-0.16	54.0	11.05	AV	128.00	150	Vertical	Pass
6	16173.787	53.46	1.99	74.0	20.54	Peak	215.00	300	Vertical	Pass
6**	16173.787	44.40	1.99	54.0	9.60	AV	215.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1497.600	38.17	-16.89	74.0	35.83	Peak	252.00	200	Horizontal	Pass
1**	1497.600	28.27	-16.89	54.0	25.73	AV	252.00	200	Horizontal	Pass
2	4126.500	47.15	-5.62	74.0	26.85	Peak	115.00	200	Horizontal	Pass
2**	4126.500	36.93	-5.62	54.0	17.07	AV	115.00	200	Horizontal	Pass
3	5222.000	100.75	-2.99	--	--	Peak	164.00	100	Horizontal	N/A
3**	5222.000	92.30	-2.99	--	--	AV	164.00	100	Horizontal	N/A
4	7475.500	53.49	0.72	74.0	20.51	Peak	360.00	200	Horizontal	Pass
4**	7475.500	44.37	0.72	54.0	9.63	AV	360.00	200	Horizontal	Pass
5	12525.325	52.49	1.29	74.0	21.51	Peak	360.00	200	Horizontal	Pass
5**	12525.325	42.90	1.29	54.0	11.10	AV	360.00	200	Horizontal	Pass
6	16176.412	53.33	1.97	74.0	20.67	Peak	108.00	300	Horizontal	Pass
6**	16176.412	45.47	1.97	54.0	8.53	AV	108.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1483.800	38.87	-17.13	74.0	35.13	Peak	235.00	200	Vertical	Pass
1**	1483.800	28.76	-17.13	54.0	25.24	AV	235.00	200	Vertical	Pass
2	4324.000	46.82	-4.89	74.0	27.18	Peak	161.00	400	Vertical	Pass
2**	4324.000	37.81	-4.89	54.0	16.19	AV	161.00	400	Vertical	Pass
3	5218.500	98.01	-2.88	--	--	Peak	326.00	100	Vertical	N/A
3**	5218.500	90.96	-2.88	--	--	AV	326.00	100	Vertical	N/A
4	7602.500	53.45	0.65	74.0	20.55	Peak	297.00	200	Vertical	Pass
4**	7602.500	43.04	0.65	54.0	10.96	AV	297.00	200	Vertical	Pass
5	11672.700	52.06	-0.97	74.0	21.94	Peak	113.00	200	Vertical	Pass
5**	11672.700	41.54	-0.97	54.0	12.46	AV	113.00	200	Vertical	Pass
6	16181.401	52.77	1.94	74.0	21.23	Peak	137.00	400	Vertical	Pass
6**	16181.401	45.33	1.94	54.0	8.67	AV	137.00	400	Vertical	Pass



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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1560.300	38.05	-17.26	74.0	35.95	Peak	19.00	300	Horizontal	Pass
1**	1560.300	28.06	-17.26	54.0	25.94	AV	19.00	300	Horizontal	Pass
2	4347.500	47.28	-4.70	74.0	26.72	Peak	229.00	300	Horizontal	Pass
2**	4347.500	37.61	-4.70	54.0	16.39	AV	229.00	300	Horizontal	Pass
3	5241.750	99.96	-3.09	--	--	Peak	164.00	150	Horizontal	N/A
3**	5241.750	92.93	-3.09	--	--	AV	164.00	150	Horizontal	N/A
4	7353.750	53.63	0.49	74.0	20.37	Peak	333.00	100	Horizontal	Pass
4**	7353.750	43.65	0.49	54.0	10.35	AV	333.00	100	Horizontal	Pass
5	12296.375	52.28	0.59	74.0	21.72	Peak	50.00	150	Horizontal	Pass
5**	12296.375	42.45	0.59	54.0	11.55	AV	50.00	150	Horizontal	Pass
6	16177.463	52.78	1.97	74.0	21.22	Peak	0.00	300	Horizontal	Pass
6**	16177.463	44.25	1.97	54.0	9.75	AV	0.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1599.400	37.72	-17.10	74.0	36.28	Peak	261.00	300	Vertical	Pass
1**	1599.400	28.27	-17.10	54.0	25.73	AV	261.00	300	Vertical	Pass
2	4321.750	46.81	-5.13	74.0	27.19	Peak	217.00	400	Vertical	Pass
2**	4321.750	37.08	-5.13	54.0	16.92	AV	217.00	400	Vertical	Pass
3	5241.750	98.33	-3.09	--	--	Peak	304.00	100	Vertical	N/A
3**	5241.750	90.60	-3.09	--	--	AV	304.00	100	Vertical	N/A
4	7368.000	52.61	0.88	74.0	21.39	Peak	159.00	300	Vertical	Pass
4**	7368.000	44.46	0.88	54.0	9.54	AV	159.00	300	Vertical	Pass
5	11792.638	52.54	-0.15	74.0	21.46	Peak	360.00	200	Vertical	Pass
5**	11792.638	43.93	-0.15	54.0	10.07	AV	360.00	200	Vertical	Pass
6	16162.237	53.63	2.07	74.0	20.37	Peak	273.00	400	Vertical	Pass
6**	16162.237	44.00	2.07	54.0	10.00	AV	273.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1623.600	38.33	-16.92	74.0	35.67	Peak	122.00	400	Horizontal	Pass
1**	1623.600	29.11	-16.92	54.0	24.89	AV	122.00	400	Horizontal	Pass
2	4373.750	47.07	-5.04	74.0	26.93	Peak	45.00	400	Horizontal	Pass
2**	4373.750	37.94	-5.04	54.0	16.06	AV	45.00	400	Horizontal	Pass
3	5192.750	97.14	-2.55	--	--	Peak	171.00	200	Horizontal	N/A
3**	5192.750	89.24	-2.55	--	--	AV	171.00	200	Horizontal	N/A
4	7727.500	53.03	0.41	74.0	20.97	Peak	145.00	200	Horizontal	Pass
4**	7727.500	43.37	0.41	54.0	10.63	AV	145.00	200	Horizontal	Pass
5	11788.838	52.43	-0.16	74.0	21.57	Peak	38.00	200	Horizontal	Pass
5**	11788.838	43.33	-0.16	54.0	10.67	AV	38.00	200	Horizontal	Pass
6	16154.100	53.43	2.12	74.0	20.57	Peak	336.00	300	Horizontal	Pass
6**	16154.100	44.74	2.12	54.0	9.26	AV	336.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1452.100	38.08	-16.91	74.0	35.92	Peak	360.00	200	Vertical	Pass
1**	1452.100	28.79	-16.91	54.0	25.21	AV	360.00	200	Vertical	Pass
2	4112.000	47.17	-5.64	74.0	26.83	Peak	41.00	100	Vertical	Pass
2**	4112.000	37.29	-5.64	54.0	16.71	AV	41.00	100	Vertical	Pass
3	5193.000	95.14	-2.64	--	--	Peak	320.00	200	Vertical	N/A
3**	5193.000	87.17	-2.64	--	--	AV	320.00	200	Vertical	N/A
4	7715.750	53.61	1.48	74.0	20.39	Peak	227.00	200	Vertical	Pass
4**	7715.750	43.98	1.48	54.0	10.02	AV	227.00	200	Vertical	Pass
5	11790.975	51.94	-0.15	74.0	22.06	Peak	315.00	100	Vertical	Pass
5**	11790.975	43.17	-0.15	54.0	10.83	AV	315.00	100	Vertical	Pass
6	16165.650	54.33	2.05	74.0	19.67	Peak	134.00	400	Vertical	Pass
6**	16165.650	44.29	2.05	54.0	9.71	AV	134.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1573.100	38.23	-17.09	74.0	35.77	Peak	137.00	300	Horizontal	Pass
1**	1573.100	29.33	-17.09	54.0	24.67	AV	137.00	300	Horizontal	Pass
2	4236.500	47.08	-5.20	74.0	26.92	Peak	210.00	400	Horizontal	Pass
2**	4236.500	37.25	-5.20	54.0	16.75	AV	210.00	400	Horizontal	Pass
3	5231.750	98.16	-3.11	--	--	Peak	167.00	150	Horizontal	N/A
3**	5231.750	90.71	-3.11	--	--	AV	167.00	150	Horizontal	N/A
4	7747.750	52.90	0.31	74.0	21.10	Peak	359.00	300	Horizontal	Pass
4**	7747.750	43.98	0.31	54.0	10.02	AV	359.00	300	Horizontal	Pass
5	12303.500	52.15	0.58	74.0	21.85	Peak	30.00	150	Horizontal	Pass
5**	12303.500	42.54	0.58	54.0	11.46	AV	30.00	150	Horizontal	Pass
6	16020.487	53.15	1.19	74.0	20.85	Peak	320.00	300	Horizontal	Pass
6**	16020.487	43.86	1.19	54.0	10.14	AV	320.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1451.600	37.91	-17.08	74.0	36.09	Peak	135.00	200	Vertical	Pass
1**	1451.600	28.00	-17.08	54.0	26.00	AV	135.00	200	Vertical	Pass
2	4207.750	46.77	-4.90	74.0	27.23	Peak	23.00	300	Vertical	Pass
2**	4207.750	38.10	-4.90	54.0	15.90	AV	23.00	300	Vertical	Pass
3	5231.750	96.59	-3.11	--	--	Peak	324.00	150	Vertical	N/A
3**	5231.750	88.60	-3.11	--	--	AV	324.00	150	Vertical	N/A
4	7745.750	52.73	0.15	74.0	21.27	Peak	23.00	300	Vertical	Pass
4**	7745.750	44.28	0.15	54.0	9.72	AV	23.00	300	Vertical	Pass
5	11788.363	52.39	-0.16	74.0	21.61	Peak	55.00	200	Vertical	Pass
5**	11788.363	43.30	-0.16	54.0	10.70	AV	55.00	200	Vertical	Pass
6	16080.075	53.25	1.49	74.0	20.75	Peak	117.00	300	Vertical	Pass
6**	16080.075	43.56	1.49	54.0	10.44	AV	117.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1500.100	37.98	-16.88	74.0	36.02	Peak	354.00	100	Horizontal	Pass
1**	1500.100	29.21	-16.88	54.0	24.79	AV	354.00	100	Horizontal	Pass
2	4184.500	46.94	-5.25	74.0	27.06	Peak	94.00	200	Horizontal	Pass
2**	4184.500	37.08	-5.25	54.0	16.92	AV	94.00	200	Horizontal	Pass
3	5223.500	93.89	-3.13	--	--	Peak	169.00	150	Horizontal	N/A
3**	5223.500	85.43	-3.13	--	--	AV	169.00	150	Horizontal	N/A
4	7718.000	53.02	1.18	74.0	20.98	Peak	219.00	200	Horizontal	Pass
4**	7718.000	43.01	1.18	54.0	10.99	AV	219.00	200	Horizontal	Pass
5	11799.050	52.28	-0.15	74.0	21.72	Peak	143.00	150	Horizontal	Pass
5**	11799.050	43.04	-0.15	54.0	10.96	AV	143.00	150	Horizontal	Pass
6	16157.776	53.22	2.10	74.0	20.78	Peak	101.00	100	Horizontal	Pass
6**	16157.776	44.22	2.10	54.0	9.78	AV	101.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1479.700	38.37	-17.01	74.0	35.63	Peak	167.00	300	Vertical	Pass
1**	1479.700	28.80	-17.01	54.0	25.20	AV	167.00	300	Vertical	Pass
2	4380.250	46.99	-4.90	74.0	27.01	Peak	324.00	100	Vertical	Pass
2**	4380.250	38.07	-4.90	54.0	15.93	AV	324.00	100	Vertical	Pass
3	5216.250	92.84	-2.68	--	--	Peak	324.00	150	Vertical	N/A
3**	5216.250	84.81	-2.68	--	--	AV	324.00	150	Vertical	N/A
4	7357.250	53.14	0.91	74.0	20.86	Peak	249.00	200	Vertical	Pass
4**	7357.250	44.43	0.91	54.0	9.57	AV	249.00	200	Vertical	Pass
5	12334.850	52.08	0.76	74.0	21.92	Peak	82.00	100	Vertical	Pass
5**	12334.850	42.59	0.76	54.0	11.41	AV	82.00	100	Vertical	Pass
6	16084.537	53.32	1.55	74.0	20.68	Peak	207.00	100	Vertical	Pass
6**	16084.537	43.40	1.55	54.0	10.60	AV	207.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1487.900	38.41	-16.95	74.0	35.59	Peak	0.00	400	Horizontal	Pass
1**	1487.900	29.90	-16.95	54.0	24.10	AV	0.00	400	Horizontal	Pass
2	4249.000	47.14	-4.30	74.0	26.86	Peak	244.00	400	Horizontal	Pass
2**	4249.000	38.34	-4.30	54.0	15.66	AV	244.00	400	Horizontal	Pass
3	5262.000	101.81	-3.06	--	--	Peak	169.00	150	Horizontal	N/A
3**	5262.000	94.55	-3.06	--	--	AV	169.00	150	Horizontal	N/A
4	7584.500	52.86	0.89	74.0	21.14	Peak	344.00	100	Horizontal	Pass
4**	7584.500	43.36	0.89	54.0	10.64	AV	344.00	100	Horizontal	Pass
5	11792.874	52.21	-0.15	74.0	21.79	Peak	213.00	100	Horizontal	Pass
5**	11792.874	44.00	-0.15	54.0	10.00	AV	213.00	100	Horizontal	Pass
6	16171.688	53.27	2.00	74.0	20.73	Peak	360.00	400	Horizontal	Pass
6**	16171.688	44.23	2.00	54.0	9.77	AV	360.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1559.500	37.88	-17.23	74.0	36.12	Peak	21.00	100	Vertical	Pass
1**	1559.500	28.53	-17.23	54.0	25.47	AV	21.00	100	Vertical	Pass
2	4269.000	47.25	-5.07	74.0	26.75	Peak	0.00	400	Vertical	Pass
2**	4269.000	37.30	-5.07	54.0	16.70	AV	0.00	400	Vertical	Pass
3	5257.750	100.72	-3.07	--	--	Peak	322.00	100	Vertical	N/A
3**	5257.750	93.29	-3.07	--	--	AV	322.00	100	Vertical	N/A
4	7490.250	53.09	1.43	74.0	20.91	Peak	71.00	200	Vertical	Pass
4**	7490.250	43.82	1.43	54.0	10.18	AV	71.00	200	Vertical	Pass
5	11807.838	52.01	-0.24	74.0	21.99	Peak	123.00	100	Vertical	Pass
5**	11807.838	43.49	-0.24	54.0	10.51	AV	123.00	100	Vertical	Pass
6	16095.037	53.08	1.69	74.0	20.92	Peak	40.00	400	Vertical	Pass
6**	16095.037	43.59	1.69	54.0	10.41	AV	40.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1556.500	38.17	-17.53	74.0	35.83	Peak	77.00	300	Horizontal	Pass
1**	1556.500	29.40	-17.53	54.0	24.60	AV	77.00	300	Horizontal	Pass
2	4220.250	46.94	-5.17	74.0	27.06	Peak	285.00	200	Horizontal	Pass
2**	4220.250	36.90	-5.17	54.0	17.10	AV	285.00	200	Horizontal	Pass
3	5298.000	102.04	-2.75	--	--	Peak	181.00	100	Horizontal	N/A
3**	5298.000	94.95	-2.75	--	--	AV	181.00	100	Horizontal	N/A
4	7359.500	52.59	0.87	74.0	21.41	Peak	128.00	200	Horizontal	Pass
4**	7359.500	44.45	0.87	54.0	9.55	AV	128.00	200	Horizontal	Pass
5	11780.287	52.06	-0.17	74.0	21.94	Peak	0.00	200	Horizontal	Pass
5**	11780.287	43.41	-0.17	54.0	10.59	AV	0.00	200	Horizontal	Pass
6	16195.838	53.04	1.84	74.0	20.96	Peak	360.00	100	Horizontal	Pass
6**	16195.838	43.67	1.84	54.0	10.33	AV	360.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1577.100	38.47	-17.03	74.0	35.53	Peak	98.00	300	Vertical	Pass
1**	1577.100	28.73	-17.03	54.0	25.27	AV	98.00	300	Vertical	Pass
2	4302.500	46.89	-5.07	74.0	27.11	Peak	273.00	200	Vertical	Pass
2**	4302.500	36.95	-5.07	54.0	17.05	AV	273.00	200	Vertical	Pass
3	5298.750	100.17	-2.76	--	--	Peak	324.00	100	Vertical	N/A
3**	5298.750	92.77	-2.76	--	--	AV	324.00	100	Vertical	N/A
4	7349.250	53.57	0.19	74.0	20.43	Peak	195.00	200	Vertical	Pass
4**	7349.250	42.94	0.19	54.0	11.06	AV	195.00	200	Vertical	Pass
5	11788.125	51.68	-0.16	74.0	22.32	Peak	278.00	150	Vertical	Pass
5**	11788.125	43.15	-0.16	54.0	10.85	AV	278.00	150	Vertical	Pass
6	16171.425	53.12	2.01	74.0	20.88	Peak	159.00	100	Vertical	Pass
6**	16171.425	44.74	2.01	54.0	9.26	AV	159.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1446.900	38.33	-16.96	74.0	35.67	Peak	240.00	100	Horizontal	Pass
1**	1446.900	29.10	-16.96	54.0	24.90	AV	240.00	100	Horizontal	Pass
2	4251.000	46.59	-4.04	74.0	27.41	Peak	360.00	300	Horizontal	Pass
2**	4251.000	37.78	-4.04	54.0	16.22	AV	360.00	300	Horizontal	Pass
3	5322.000	102.47	-2.96	--	--	Peak	161.00	150	Horizontal	N/A
3**	5322.000	95.23	-2.96	--	--	AV	161.00	150	Horizontal	N/A
4	7739.750	52.67	0.29	74.0	21.33	Peak	23.00	400	Horizontal	Pass
4**	7739.750	43.50	0.29	54.0	10.50	AV	23.00	400	Horizontal	Pass
5	11784.800	52.96	-0.16	74.0	21.04	Peak	259.00	100	Horizontal	Pass
5**	11784.800	43.65	-0.16	54.0	10.35	AV	259.00	100	Horizontal	Pass
6	16171.950	53.17	2.00	74.0	20.83	Peak	360.00	100	Horizontal	Pass
6**	16171.950	44.37	2.00	54.0	9.63	AV	360.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1451.100	38.67	-17.02	74.0	35.33	Peak	354.00	300	Vertical	Pass
1**	1451.100	29.47	-17.02	54.0	24.53	AV	354.00	300	Vertical	Pass
2	4337.000	46.76	-4.74	74.0	27.24	Peak	232.00	300	Vertical	Pass
2**	4337.000	38.24	-4.74	54.0	15.76	AV	232.00	300	Vertical	Pass
3	5321.000	100.98	-3.04	--	--	Peak	319.00	100	Vertical	N/A
3**	5321.000	93.47	-3.04	--	--	AV	319.00	100	Vertical	N/A
4	7353.750	53.27	0.49	74.0	20.73	Peak	360.00	100	Vertical	Pass
4**	7353.750	43.67	0.49	54.0	10.33	AV	360.00	100	Vertical	Pass
5	11786.225	52.03	-0.16	74.0	21.97	Peak	111.00	150	Vertical	Pass
5**	11786.225	42.92	-0.16	54.0	11.08	AV	111.00	150	Vertical	Pass
6	16156.987	53.23	2.10	74.0	20.77	Peak	316.00	100	Vertical	Pass
6**	16156.987	43.69	2.10	54.0	10.31	AV	316.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1602.800	38.20	-16.89	74.0	35.80	Peak	360.00	400	Horizontal	Pass
1**	1602.800	28.63	-16.89	54.0	25.37	AV	360.00	400	Horizontal	Pass
2	4338.250	47.60	-4.89	74.0	26.40	Peak	23.00	200	Horizontal	Pass
2**	4338.250	38.10	-4.89	54.0	15.90	AV	23.00	200	Horizontal	Pass
3	5262.000	100.51	-3.06	--	--	Peak	164.00	150	Horizontal	N/A
3**	5262.000	92.98	-3.06	--	--	AV	164.00	150	Horizontal	N/A
4	7726.500	53.14	0.63	74.0	20.86	Peak	360.00	300	Horizontal	Pass
4**	7726.500	43.44	0.63	54.0	10.56	AV	360.00	300	Horizontal	Pass
5	12350.763	52.15	0.85	74.0	21.85	Peak	257.00	200	Horizontal	Pass
5**	12350.763	41.91	0.85	54.0	12.09	AV	257.00	200	Horizontal	Pass
6	16179.037	52.83	1.96	74.0	21.17	Peak	130.00	200	Horizontal	Pass
6**	16179.037	44.08	1.96	54.0	9.92	AV	130.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1474.000	38.08	-17.07	74.0	35.92	Peak	352.00	300	Vertical	Pass
1**	1474.000	28.72	-17.07	54.0	25.28	AV	352.00	300	Vertical	Pass
2	4356.750	47.27	-4.42	74.0	26.73	Peak	248.00	400	Vertical	Pass
2**	4356.750	37.53	-4.42	54.0	16.47	AV	248.00	400	Vertical	Pass
3	5261.000	99.09	-3.04	--	--	Peak	319.00	150	Vertical	N/A
3**	5261.000	91.51	-3.04	--	--	AV	319.00	150	Vertical	N/A
4	7358.000	52.80	0.60	74.0	21.20	Peak	360.00	300	Vertical	Pass
4**	7358.000	43.92	0.60	54.0	10.08	AV	360.00	300	Vertical	Pass
5	12190.451	51.79	0.32	74.0	22.21	Peak	152.00	150	Vertical	Pass
5**	12190.451	40.85	0.32	54.0	13.15	AV	152.00	150	Vertical	Pass
6	16151.213	53.28	2.14	74.0	20.72	Peak	195.00	400	Vertical	Pass
6**	16151.213	44.24	2.14	54.0	9.76	AV	195.00	400	Vertical	Pass



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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1478.000	37.84	-17.26	74.0	36.16	Peak	195.00	100	Horizontal	Pass
1**	1478.000	28.24	-17.26	54.0	25.76	AV	195.00	100	Horizontal	Pass
2	4292.500	47.27	-4.64	74.0	26.73	Peak	159.00	100	Horizontal	Pass
2**	4292.500	38.23	-4.64	54.0	15.77	AV	159.00	100	Horizontal	Pass
3	5298.000	101.43	-2.75	--	--	Peak	159.00	200	Horizontal	N/A
3**	5298.000	93.25	-2.75	--	--	AV	159.00	200	Horizontal	N/A
4	7371.750	52.95	0.72	74.0	21.05	Peak	353.00	300	Horizontal	Pass
4**	7371.750	43.33	0.72	54.0	10.67	AV	353.00	300	Horizontal	Pass
5	11786.700	52.34	-0.16	74.0	21.66	Peak	48.00	200	Horizontal	Pass
5**	11786.700	43.14	-0.16	54.0	10.86	AV	48.00	200	Horizontal	Pass
6	16168.275	52.91	2.03	74.0	21.09	Peak	4.00	300	Horizontal	Pass
6**	16168.275	44.64	2.03	54.0	9.36	AV	4.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1443.100	37.81	-16.86	74.0	36.19	Peak	183.00	400	Vertical	Pass
1**	1443.100	29.15	-16.86	54.0	24.85	AV	183.00	400	Vertical	Pass
2	4273.750	46.73	-4.74	74.0	27.27	Peak	360.00	300	Vertical	Pass
2**	4273.750	37.56	-4.74	54.0	16.44	AV	360.00	300	Vertical	Pass
3	5298.500	99.52	-2.84	--	--	Peak	326.00	200	Vertical	N/A
3**	5298.500	92.37	-2.84	--	--	AV	326.00	200	Vertical	N/A
4	7486.750	53.09	1.46	74.0	20.91	Peak	93.00	100	Vertical	Pass
4**	7486.750	44.74	1.46	54.0	9.26	AV	93.00	100	Vertical	Pass
5	12031.799	52.17	0.04	74.0	21.83	Peak	123.00	200	Vertical	Pass
5**	12031.799	42.89	0.04	54.0	11.11	AV	123.00	200	Vertical	Pass
6	16171.688	53.78	2.00	74.0	20.22	Peak	254.00	400	Vertical	Pass
6**	16171.688	45.42	2.00	54.0	8.58	AV	254.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1495.300	37.97	-17.09	74.0	36.03	Peak	164.00	400	Horizontal	Pass
1**	1495.300	28.35	-17.09	54.0	25.65	AV	164.00	400	Horizontal	Pass
2	4380.000	46.74	-4.98	74.0	27.26	Peak	52.00	300	Horizontal	Pass
2**	4380.000	37.93	-4.98	54.0	16.07	AV	52.00	300	Horizontal	Pass
3	5321.500	101.15	-2.68	--	--	Peak	161.00	200	Horizontal	N/A
3**	5321.500	94.08	-2.68	--	--	AV	161.00	200	Horizontal	N/A
4	7494.750	52.77	1.09	74.0	21.23	Peak	360.00	200	Horizontal	Pass
4**	7494.750	45.09	1.09	54.0	8.91	AV	360.00	200	Horizontal	Pass
5	11788.838	51.80	-0.16	74.0	22.20	Peak	356.00	150	Horizontal	Pass
5**	11788.838	42.77	-0.16	54.0	11.23	AV	356.00	150	Horizontal	Pass
6	16160.400	53.10	2.08	74.0	20.90	Peak	149.00	300	Horizontal	Pass
6**	16160.400	44.61	2.08	54.0	9.39	AV	149.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1618.700	38.04	-16.98	74.0	35.96	Peak	0.00	400	Vertical	Pass
1**	1618.700	28.63	-16.98	54.0	25.37	AV	0.00	400	Vertical	Pass
2	4259.500	46.76	-4.55	74.0	27.24	Peak	50.00	100	Vertical	Pass
2**	4259.500	38.00	-4.55	54.0	16.00	AV	50.00	100	Vertical	Pass
3	5321.750	100.10	-2.80	--	--	Peak	307.00	200	Vertical	N/A
3**	5321.750	92.62	-2.80	--	--	AV	307.00	200	Vertical	N/A
4	7713.750	53.30	1.83	74.0	20.70	Peak	277.00	200	Vertical	Pass
4**	7713.750	43.85	1.83	54.0	10.15	AV	277.00	200	Vertical	Pass
5	11780.525	53.17	-0.16	74.0	20.83	Peak	251.00	200	Vertical	Pass
5**	11780.525	43.93	-0.16	54.0	10.07	AV	251.00	200	Vertical	Pass
6	16078.238	52.89	1.46	74.0	21.11	Peak	64.00	200	Vertical	Pass
6**	16078.238	43.36	1.46	54.0	10.64	AV	64.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1612.800	37.84	-16.67	74.0	36.16	Peak	19.00	400	Horizontal	Pass
1**	1612.800	29.02	-16.67	54.0	24.98	AV	19.00	400	Horizontal	Pass
2	4273.250	47.27	-5.01	74.0	26.73	Peak	0.00	300	Horizontal	Pass
2**	4273.250	37.92	-5.01	54.0	16.08	AV	0.00	300	Horizontal	Pass
3	5272.500	97.82	-2.69	--	--	Peak	176.00	100	Horizontal	N/A
3**	5272.500	90.15	-2.69	--	--	AV	176.00	100	Horizontal	N/A
4	7711.750	52.90	2.04	74.0	21.10	Peak	360.00	100	Horizontal	Pass
4**	7711.750	44.24	2.04	54.0	9.76	AV	360.00	100	Horizontal	Pass
5	12049.849	51.76	-0.21	74.0	22.24	Peak	53.00	150	Horizontal	Pass
5**	12049.849	42.28	-0.21	54.0	11.72	AV	53.00	150	Horizontal	Pass
6	16082.437	52.69	1.52	74.0	21.31	Peak	287.00	200	Horizontal	Pass
6**	16082.437	43.71	1.52	54.0	10.29	AV	287.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1575.800	38.38	-16.80	74.0	35.62	Peak	356.00	100	Vertical	Pass
1**	1575.800	30.10	-16.80	54.0	23.90	AV	356.00	100	Vertical	Pass
2	4262.500	47.25	-4.38	74.0	26.75	Peak	18.00	300	Vertical	Pass
2**	4262.500	38.14	-4.38	54.0	15.86	AV	18.00	300	Vertical	Pass
3	5268.250	96.28	-2.77	--	--	Peak	314.00	150	Vertical	N/A
3**	5268.250	89.39	-2.77	--	--	AV	314.00	150	Vertical	N/A
4	7377.250	52.53	0.19	74.0	21.47	Peak	336.00	300	Vertical	Pass
4**	7377.250	43.23	0.19	54.0	10.77	AV	336.00	300	Vertical	Pass
5	12549.313	52.37	1.15	74.0	21.63	Peak	360.00	200	Vertical	Pass
5**	12549.313	42.79	1.15	54.0	11.21	AV	360.00	200	Vertical	Pass
6	16094.775	53.68	1.68	74.0	20.32	Peak	142.00	200	Vertical	Pass
6**	16094.775	43.16	1.68	54.0	10.84	AV	142.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1435.200	38.26	-17.03	74.0	35.74	Peak	360.00	300	Horizontal	Pass
1**	1435.200	28.88	-17.03	54.0	25.12	AV	360.00	300	Horizontal	Pass
2	4079.750	46.80	-5.34	74.0	27.20	Peak	358.00	400	Horizontal	Pass
2**	4079.750	37.49	-5.34	54.0	16.51	AV	358.00	400	Horizontal	Pass
3	5311.750	98.39	-3.20	--	--	Peak	168.00	150	Horizontal	N/A
3**	5311.750	90.53	-3.20	--	--	AV	168.00	150	Horizontal	N/A
4	7717.250	53.18	1.18	74.0	20.82	Peak	18.00	400	Horizontal	Pass
4**	7717.250	43.82	1.18	54.0	10.18	AV	18.00	400	Horizontal	Pass
5	11784.563	52.16	-0.16	74.0	21.84	Peak	0.00	100	Horizontal	Pass
5**	11784.563	43.04	-0.16	54.0	10.96	AV	0.00	100	Horizontal	Pass
6	16166.438	53.03	2.04	74.0	20.97	Peak	275.00	100	Horizontal	Pass
6**	16166.438	44.22	2.04	54.0	9.78	AV	275.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1587.100	37.99	-17.00	74.0	36.01	Peak	64.00	200	Vertical	Pass
1**	1587.100	28.36	-17.00	54.0	25.64	AV	64.00	200	Vertical	Pass
2	4397.000	47.37	-5.14	74.0	26.63	Peak	77.00	100	Vertical	Pass
2**	4397.000	37.11	-5.14	54.0	16.89	AV	77.00	100	Vertical	Pass
3	5315.500	96.45	-3.04	--	--	Peak	341.00	100	Vertical	N/A
3**	5315.500	88.92	-3.04	--	--	AV	341.00	100	Vertical	N/A
4	7711.750	54.05	2.04	74.0	19.95	Peak	224.00	200	Vertical	Pass
4**	7711.750	44.20	2.04	54.0	9.80	AV	224.00	200	Vertical	Pass
5	12548.600	51.92	1.16	74.0	22.08	Peak	127.00	100	Vertical	Pass
5**	12548.600	43.91	1.16	54.0	10.09	AV	127.00	100	Vertical	Pass
6	16163.287	52.83	2.06	74.0	21.17	Peak	176.00	400	Vertical	Pass
6**	16163.287	44.78	2.06	54.0	9.22	AV	176.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1594.900	38.04	-17.02	74.0	35.96	Peak	176.00	300	Horizontal	Pass
1**	1594.900	28.14	-17.02	54.0	25.86	AV	176.00	300	Horizontal	Pass
2	4255.750	47.46	-3.94	74.0	26.54	Peak	355.00	200	Horizontal	Pass
2**	4255.750	38.55	-3.94	54.0	15.45	AV	355.00	200	Horizontal	Pass
3	5261.500	99.63	-3.06	--	--	Peak	168.00	200	Horizontal	N/A
3**	5261.500	92.48	-3.06	--	--	AV	168.00	200	Horizontal	N/A
4	7360.750	52.53	0.78	74.0	21.47	Peak	271.00	100	Horizontal	Pass
4**	7360.750	43.93	0.78	54.0	10.07	AV	271.00	100	Horizontal	Pass
5	12536.724	52.00	1.23	74.0	22.00	Peak	127.00	150	Horizontal	Pass
5**	12536.724	42.57	1.23	54.0	11.43	AV	127.00	150	Horizontal	Pass
6	16151.213	53.88	2.14	74.0	20.12	Peak	290.00	300	Horizontal	Pass
6**	16151.213	43.53	2.14	54.0	10.47	AV	290.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1529.800	38.12	-16.74	74.0	35.88	Peak	176.00	100	Vertical	Pass
1**	1529.800	28.61	-16.74	54.0	25.39	AV	176.00	100	Vertical	Pass
2	4342.000	46.67	-4.68	74.0	27.33	Peak	234.00	400	Vertical	Pass
2**	4342.000	37.72	-4.68	54.0	16.28	AV	234.00	400	Vertical	Pass
3	5261.000	97.59	-3.04	--	--	Peak	307.00	100	Vertical	N/A
3**	5261.000	90.58	-3.04	--	--	AV	307.00	100	Vertical	N/A
4	7361.250	53.68	0.64	74.0	20.32	Peak	360.00	100	Vertical	Pass
4**	7361.250	43.58	0.64	54.0	10.42	AV	360.00	100	Vertical	Pass
5	12102.575	51.39	-0.19	74.0	22.61	Peak	303.00	150	Vertical	Pass
5**	12102.575	41.30	-0.19	54.0	12.70	AV	303.00	150	Vertical	Pass
6	16153.050	53.21	2.13	74.0	20.79	Peak	344.00	400	Vertical	Pass
6**	16153.050	44.70	2.13	54.0	9.30	AV	344.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1601.700	38.62	-16.83	74.0	35.38	Peak	176.00	200	Horizontal	Pass
1**	1601.700	28.66	-16.83	54.0	25.34	AV	176.00	200	Horizontal	Pass
2	4253.250	47.05	-4.31	74.0	26.95	Peak	144.00	200	Horizontal	Pass
2**	4253.250	37.90	-4.31	54.0	16.10	AV	144.00	200	Horizontal	Pass
3	5301.500	100.04	-2.76	--	--	Peak	168.00	100	Horizontal	N/A
3**	5301.500	93.10	-2.76	--	--	AV	168.00	100	Horizontal	N/A
4	7713.750	53.76	1.83	74.0	20.24	Peak	120.00	100	Horizontal	Pass
4**	7713.750	44.14	1.83	54.0	9.86	AV	120.00	100	Horizontal	Pass
5	11800.475	51.97	-0.15	74.0	22.03	Peak	253.00	100	Horizontal	Pass
5**	11800.475	43.16	-0.15	54.0	10.84	AV	253.00	100	Horizontal	Pass
6	16085.850	53.21	1.56	74.0	20.79	Peak	54.00	400	Horizontal	Pass
6**	16085.850	42.99	1.56	54.0	11.01	AV	54.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1484.700	38.41	-16.94	74.0	35.59	Peak	1.00	100	Vertical	Pass
1**	1484.700	28.92	-16.94	54.0	25.08	AV	1.00	100	Vertical	Pass
2	4257.250	47.35	-4.22	74.0	26.65	Peak	186.00	400	Vertical	Pass
2**	4257.250	38.12	-4.22	54.0	15.88	AV	186.00	400	Vertical	Pass
3	5301.250	98.75	-2.86	--	--	Peak	334.00	150	Vertical	N/A
3**	5301.250	91.04	-2.86	--	--	AV	334.00	150	Vertical	N/A
4	7479.750	52.60	0.88	74.0	21.40	Peak	123.00	300	Vertical	Pass
4**	7479.750	43.76	0.88	54.0	10.24	AV	123.00	300	Vertical	Pass
5	11777.438	52.22	-0.17	74.0	21.78	Peak	174.00	100	Vertical	Pass
5**	11777.438	43.66	-0.17	54.0	10.34	AV	174.00	100	Vertical	Pass
6	16066.950	52.67	1.31	74.0	21.33	Peak	47.00	200	Vertical	Pass
6**	16066.950	43.72	1.31	54.0	10.28	AV	47.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.800	38.11	-16.78	74.0	35.89	Peak	0.00	400	Horizontal	Pass
1**	1440.800	30.02	-16.78	54.0	23.98	AV	0.00	400	Horizontal	Pass
2	4363.500	46.77	-4.91	74.0	27.23	Peak	58.00	300	Horizontal	Pass
2**	4363.500	37.25	-4.91	54.0	16.75	AV	58.00	300	Horizontal	Pass
3	5321.750	100.31	-2.80	--	--	Peak	164.00	200	Horizontal	N/A
3**	5321.750	93.07	-2.80	--	--	AV	164.00	200	Horizontal	N/A
4	7466.000	53.55	0.17	74.0	20.45	Peak	58.00	200	Horizontal	Pass
4**	7466.000	43.44	0.17	54.0	10.56	AV	58.00	200	Horizontal	Pass
5	11693.125	51.94	-0.63	74.0	22.06	Peak	212.00	200	Horizontal	Pass
5**	11693.125	42.61	-0.63	54.0	11.39	AV	212.00	200	Horizontal	Pass
6	16174.050	53.60	1.99	74.0	20.40	Peak	246.00	400	Horizontal	Pass
6**	16174.050	44.32	1.99	54.0	9.68	AV	246.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1456.300	38.10	-17.01	74.0	35.90	Peak	198.00	300	Vertical	Pass
1**	1456.300	28.65	-17.01	54.0	25.35	AV	198.00	300	Vertical	Pass
2	4367.250	46.59	-4.78	74.0	27.41	Peak	38.00	200	Vertical	Pass
2**	4367.250	37.59	-4.78	54.0	16.41	AV	38.00	200	Vertical	Pass
3	5320.750	98.59	-2.93	--	--	Peak	344.00	150	Vertical	N/A
3**	5320.750	91.62	-2.93	--	--	AV	344.00	150	Vertical	N/A
4	7645.500	52.66	1.05	74.0	21.34	Peak	152.00	200	Vertical	Pass
4**	7645.500	43.38	1.05	54.0	10.62	AV	152.00	200	Vertical	Pass
5	12350.050	52.28	0.85	74.0	21.72	Peak	161.00	200	Vertical	Pass
5**	12350.050	42.65	0.85	54.0	11.35	AV	161.00	200	Vertical	Pass
6	16152.787	53.88	2.13	74.0	20.12	Peak	316.00	100	Vertical	Pass
6**	16152.787	44.73	2.13	54.0	9.27	AV	316.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1557.600	38.15	-17.33	74.0	35.85	Peak	281.00	400	Horizontal	Pass
1**	1557.600	29.15	-17.33	54.0	24.85	AV	281.00	400	Horizontal	Pass
2	4236.750	46.79	-5.12	74.0	27.21	Peak	353.00	200	Horizontal	Pass
2**	4236.750	37.73	-5.12	54.0	16.27	AV	353.00	200	Horizontal	Pass
3	5267.750	97.81	-2.81	--	--	Peak	157.00	200	Horizontal	N/A
3**	5267.750	90.23	-2.81	--	--	AV	157.00	200	Horizontal	N/A
4	7358.000	52.66	0.60	74.0	21.34	Peak	69.00	100	Horizontal	Pass
4**	7358.000	44.02	0.60	54.0	9.98	AV	69.00	100	Horizontal	Pass
5	11795.250	52.54	-0.15	74.0	21.46	Peak	0.00	200	Horizontal	Pass
5**	11795.250	42.74	-0.15	54.0	11.26	AV	0.00	200	Horizontal	Pass
6	15847.763	53.87	1.62	74.0	20.13	Peak	64.00	400	Horizontal	Pass
6**	15847.763	43.72	1.62	54.0	10.28	AV	64.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1491.700	38.17	-17.06	74.0	35.83	Peak	75.00	400	Vertical	Pass
1**	1491.700	28.62	-17.06	54.0	25.38	AV	75.00	400	Vertical	Pass
2	4234.500	46.78	-4.91	74.0	27.22	Peak	360.00	400	Vertical	Pass
2**	4234.500	38.29	-4.91	54.0	15.71	AV	360.00	400	Vertical	Pass
3	5268.000	95.97	-2.68	--	--	Peak	320.00	150	Vertical	N/A
3**	5268.000	87.45	-2.68	--	--	AV	320.00	150	Vertical	N/A
4	7645.000	52.97	1.04	74.0	21.03	Peak	99.00	200	Vertical	Pass
4**	7645.000	43.80	1.04	54.0	10.20	AV	99.00	200	Vertical	Pass
5	12572.349	52.12	0.76	74.0	21.88	Peak	150.00	200	Vertical	Pass
5**	12572.349	43.22	0.76	54.0	10.78	AV	150.00	200	Vertical	Pass
6	16164.076	53.28	2.06	74.0	20.72	Peak	166.00	400	Vertical	Pass
6**	16164.076	43.77	2.06	54.0	10.23	AV	166.00	400	Vertical	Pass



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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1442.600	37.94	-16.90	74.0	36.06	Peak	199.00	100	Horizontal	Pass
1**	1442.600	28.43	-16.90	54.0	25.57	AV	199.00	100	Horizontal	Pass
2	4388.000	46.82	-5.00	74.0	27.18	Peak	23.00	100	Horizontal	Pass
2**	4388.000	37.39	-5.00	54.0	16.61	AV	23.00	100	Horizontal	Pass
3	5306.000	97.91	-2.75	--	70.09	Peak	168.00	150	Horizontal	N/A
3**	5306.000	89.63	-2.75	--	-89.63	AV	168.00	150	Horizontal	N/A
4	7489.250	52.69	1.40	74.0	21.31	Peak	285.00	400	Horizontal	Pass
4**	7489.250	44.43	1.40	54.0	9.57	AV	285.00	400	Horizontal	Pass
5	11806.888	52.27	-0.22	74.0	21.73	Peak	208.00	100	Horizontal	Pass
5**	11806.888	42.41	-0.22	54.0	11.59	AV	208.00	100	Horizontal	Pass
6	16071.675	53.23	1.38	74.0	20.77	Peak	290.00	400	Horizontal	Pass
6**	16071.675	43.13	1.38	54.0	10.87	AV	290.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1620.100	37.82	-16.87	74.0	36.18	Peak	193.00	300	Vertical	Pass
1**	1620.100	28.89	-16.87	54.0	25.11	AV	193.00	300	Vertical	Pass
2	4256.250	47.14	-4.17	74.0	26.86	Peak	65.00	200	Vertical	Pass
2**	4256.250	37.93	-4.17	54.0	16.07	AV	65.00	200	Vertical	Pass
3	5305.250	95.45	-2.77	--	236.55	Peak	332.00	200	Vertical	N/A
3**	5305.250	87.64	-2.77	--	-87.64	AV	332.00	200	Vertical	N/A
4	7351.500	52.92	0.12	74.0	21.08	Peak	312.00	100	Vertical	Pass
4**	7351.500	43.78	0.12	54.0	10.22	AV	312.00	100	Vertical	Pass
5	12560.713	51.87	0.96	74.0	22.13	Peak	208.00	100	Vertical	Pass
5**	12560.713	42.22	0.96	54.0	11.78	AV	208.00	100	Vertical	Pass
6	16141.237	52.93	2.08	74.0	21.07	Peak	4.00	100	Vertical	Pass
6**	16141.237	43.79	2.08	54.0	10.21	AV	4.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1458.100	38.42	-17.00	74.0	35.58	Peak	288.00	200	Horizontal	Pass
1**	1458.100	28.22	-17.00	54.0	25.78	AV	288.00	200	Horizontal	Pass
2	4358.500	46.45	-4.66	74.0	27.55	Peak	171.00	200	Horizontal	Pass
2**	4358.500	37.70	-4.66	54.0	16.30	AV	171.00	200	Horizontal	Pass
3	5283.500	94.15	-3.04	--	--	Peak	171.00	100	Horizontal	N/A
3**	5283.500	86.27	-3.04	--	--	AV	171.00	100	Horizontal	N/A
4	7493.250	52.78	1.01	74.0	21.22	Peak	283.00	100	Horizontal	Pass
4**	7493.250	44.07	1.01	54.0	9.93	AV	283.00	100	Horizontal	Pass
5	12517.724	51.70	1.34	74.0	22.30	Peak	26.00	200	Horizontal	Pass
5**	12517.724	42.53	1.34	54.0	11.47	AV	26.00	200	Horizontal	Pass
6	16169.326	53.10	2.02	74.0	20.90	Peak	123.00	400	Horizontal	Pass
6**	16169.326	44.61	2.02	54.0	9.39	AV	123.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1565.700	38.20	-17.26	74.0	35.80	Peak	225.00	300	Vertical	Pass
1**	1565.700	28.66	-17.26	54.0	25.34	AV	225.00	300	Vertical	Pass
2	4114.250	47.00	-5.90	74.0	27.00	Peak	59.00	200	Vertical	Pass
2**	4114.250	36.45	-5.90	54.0	17.55	AV	59.00	200	Vertical	Pass
3	5296.500	92.90	-2.81	--	--	Peak	329.00	100	Vertical	N/A
3**	5296.500	85.40	-2.81	--	--	AV	329.00	100	Vertical	N/A
4	7744.750	52.67	0.06	74.0	21.33	Peak	329.00	300	Vertical	Pass
4**	7744.750	43.72	0.06	54.0	10.28	AV	329.00	300	Vertical	Pass
5	11801.900	51.66	-0.17	74.0	22.34	Peak	215.00	100	Vertical	Pass
5**	11801.900	43.01	-0.17	54.0	10.99	AV	215.00	100	Vertical	Pass
6	16166.963	53.17	2.04	74.0	20.83	Peak	183.00	400	Vertical	Pass
6**	16166.963	44.00	2.04	54.0	10.00	AV	183.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1472.700	37.85	-17.14	74.0	36.15	Peak	133.00	100	Horizontal	Pass
1**	1472.700	28.50	-17.14	54.0	25.50	AV	133.00	100	Horizontal	Pass
2	4273.000	46.56	-5.23	74.0	27.44	Peak	314.00	200	Horizontal	Pass
2**	4273.000	38.03	-5.23	54.0	15.97	AV	314.00	200	Horizontal	Pass
3	5498.750	101.95	-2.54	--	--	Peak	147.00	150	Horizontal	N/A
3**	5498.750	94.92	-2.54	--	--	AV	147.00	150	Horizontal	N/A
4	7568.000	52.85	0.73	74.0	21.15	Peak	354.00	300	Horizontal	Pass
4**	7568.000	43.72	0.73	54.0	10.28	AV	354.00	300	Horizontal	Pass
5	11804.276	51.71	-0.19	74.0	22.29	Peak	220.00	100	Horizontal	Pass
5**	11804.276	43.03	-0.19	54.0	10.97	AV	220.00	100	Horizontal	Pass
6	16175.100	52.98	1.98	74.0	21.02	Peak	161.00	300	Horizontal	Pass
6**	16175.100	44.31	1.98	54.0	9.69	AV	161.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1437.400	38.46	-17.12	74.0	35.54	Peak	87.00	200	Vertical	Pass
1**	1437.400	28.45	-17.12	54.0	25.55	AV	87.00	200	Vertical	Pass
2	4253.750	46.68	-4.20	74.0	27.32	Peak	16.00	400	Vertical	Pass
2**	4253.750	37.79	-4.20	54.0	16.21	AV	16.00	400	Vertical	Pass
3	5498.250	100.06	-2.67	--	--	Peak	305.00	100	Vertical	N/A
3**	5498.250	92.19	-2.67	--	--	AV	305.00	100	Vertical	N/A
4	7374.000	53.09	0.75	74.0	20.91	Peak	242.00	300	Vertical	Pass
4**	7374.000	44.42	0.75	54.0	9.58	AV	242.00	300	Vertical	Pass
5	12523.662	52.32	1.30	74.0	21.68	Peak	38.00	200	Vertical	Pass
5**	12523.662	42.79	1.30	54.0	11.21	AV	38.00	200	Vertical	Pass
6	16172.213	53.80	2.00	74.0	20.20	Peak	232.00	300	Vertical	Pass
6**	16172.213	44.21	2.00	54.0	9.79	AV	232.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1603.100	37.75	-16.88	74.0	36.25	Peak	308.00	100	Horizontal	Pass
1**	1603.100	28.46	-16.88	54.0	25.54	AV	308.00	100	Horizontal	Pass
2	4258.750	46.92	-4.36	74.0	27.08	Peak	164.00	100	Horizontal	Pass
2**	4258.750	37.44	-4.36	54.0	16.56	AV	164.00	100	Horizontal	Pass
3	5577.000	102.47	-1.99	--	--	Peak	164.00	200	Horizontal	N/A
3**	5577.000	94.69	-1.99	--	--	AV	164.00	200	Horizontal	N/A
4	7485.500	52.99	1.35	74.0	21.01	Peak	205.00	400	Horizontal	Pass
4**	7485.500	44.03	1.35	54.0	9.97	AV	205.00	400	Horizontal	Pass
5	11788.838	51.89	-0.16	74.0	22.11	Peak	360.00	100	Horizontal	Pass
5**	11788.838	42.99	-0.16	54.0	11.01	AV	360.00	100	Horizontal	Pass
6	16155.150	53.62	2.12	74.0	20.38	Peak	280.00	300	Horizontal	Pass
6**	16155.150	44.51	2.12	54.0	9.49	AV	280.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1466.400	38.65	-17.30	74.0	35.35	Peak	169.00	300	Vertical	Pass
1**	1466.400	28.26	-17.30	54.0	25.74	AV	169.00	300	Vertical	Pass
2	4225.250	46.79	-5.12	74.0	27.21	Peak	266.00	400	Vertical	Pass
2**	4225.250	37.91	-5.12	54.0	16.09	AV	266.00	400	Vertical	Pass
3	5578.750	100.62	-2.08	--	--	Peak	307.00	100	Vertical	N/A
3**	5578.750	93.38	-2.08	--	--	AV	307.00	100	Vertical	N/A
4	7359.000	52.39	0.93	74.0	21.61	Peak	99.00	400	Vertical	Pass
4**	7359.000	44.00	0.93	54.0	10.00	AV	99.00	400	Vertical	Pass
5	11791.450	52.14	-0.15	74.0	21.86	Peak	122.00	200	Vertical	Pass
5**	11791.450	43.63	-0.15	54.0	10.37	AV	122.00	200	Vertical	Pass
6	16155.675	52.96	2.11	74.0	21.04	Peak	161.00	400	Vertical	Pass
6**	16155.675	44.04	2.11	54.0	9.96	AV	161.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1501.200	38.20	-16.94	74.0	35.80	Peak	1.00	400	Horizontal	Pass
1**	1501.200	28.85	-16.94	54.0	25.15	AV	1.00	400	Horizontal	Pass
2	4319.500	47.49	-5.05	74.0	26.51	Peak	120.00	200	Horizontal	Pass
2**	4319.500	37.26	-5.05	54.0	16.74	AV	120.00	200	Horizontal	Pass
3	5697.750	101.54	-2.47	--	--	Peak	162.00	100	Horizontal	N/A
3**	5697.750	94.39	-2.47	--	--	AV	162.00	100	Horizontal	N/A
4	7746.750	53.48	0.22	74.0	20.52	Peak	286.00	100	Horizontal	Pass
4**	7746.750	43.72	0.22	54.0	10.28	AV	286.00	100	Horizontal	Pass
5	11789.075	52.09	-0.16	74.0	21.91	Peak	271.00	100	Horizontal	Pass
5**	11789.075	43.70	-0.16	54.0	10.30	AV	271.00	100	Horizontal	Pass
6	16187.963	53.23	1.89	74.0	20.77	Peak	149.00	300	Horizontal	Pass
6**	16187.963	43.32	1.89	54.0	10.68	AV	149.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1625.100	38.34	-17.00	74.0	35.66	Peak	257.00	400	Vertical	Pass
1**	1625.100	28.92	-17.00	54.0	25.08	AV	257.00	400	Vertical	Pass
2	4256.500	47.16	-4.25	74.0	26.84	Peak	157.00	100	Vertical	Pass
2**	4256.500	37.79	-4.25	54.0	16.21	AV	157.00	100	Vertical	Pass
3	5701.500	99.40	-2.41	--	--	Peak	276.00	100	Vertical	N/A
3**	5701.500	92.28	-2.41	--	--	AV	276.00	100	Vertical	N/A
4	7328.000	53.60	-0.09	74.0	20.40	Peak	321.00	300	Vertical	Pass
4**	7328.000	43.13	-0.09	54.0	10.87	AV	321.00	300	Vertical	Pass
5	12066.950	52.33	-0.21	74.0	21.67	Peak	324.00	150	Vertical	Pass
5**	12066.950	42.72	-0.21	54.0	11.28	AV	324.00	150	Vertical	Pass
6	16131.262	53.18	2.00	74.0	20.82	Peak	201.00	400	Vertical	Pass
6**	16131.262	43.37	2.00	54.0	10.63	AV	201.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1514.800	38.69	-16.97	74.0	35.31	Peak	221.00	200	Horizontal	Pass
1**	1514.800	28.90	-16.97	54.0	25.10	AV	221.00	200	Horizontal	Pass
2	4245.500	47.54	-4.46	74.0	26.46	Peak	147.00	300	Horizontal	Pass
2**	4245.500	37.76	-4.46	54.0	16.24	AV	147.00	300	Horizontal	Pass
3	5498.500	100.79	-2.65	--	--	Peak	173.00	100	Horizontal	N/A
3**	5498.500	93.00	-2.65	--	--	AV	173.00	100	Horizontal	N/A
4	7642.500	53.14	0.81	74.0	20.86	Peak	300.00	300	Horizontal	Pass
4**	7642.500	43.25	0.81	54.0	10.75	AV	300.00	300	Horizontal	Pass
5	11801.425	53.00	-0.16	74.0	21.00	Peak	137.00	150	Horizontal	Pass
5**	11801.425	43.17	-0.16	54.0	10.83	AV	137.00	150	Horizontal	Pass
6	15829.913	53.58	1.40	74.0	20.42	Peak	157.00	200	Horizontal	Pass
6**	15829.913	43.54	1.40	54.0	10.46	AV	157.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1508.300	37.82	-17.03	74.0	36.18	Peak	84.00	300	Vertical	Pass
1**	1508.300	28.13	-17.03	54.0	25.87	AV	84.00	300	Vertical	Pass
2	4218.000	47.21	-5.40	74.0	26.79	Peak	21.00	200	Vertical	Pass
2**	4218.000	37.14	-5.40	54.0	16.86	AV	21.00	200	Vertical	Pass
3	5498.500	98.52	-2.65	--	--	Peak	302.00	200	Vertical	N/A
3**	5498.500	91.29	-2.65	--	--	AV	302.00	200	Vertical	N/A
4	7363.250	53.08	0.63	74.0	20.92	Peak	123.00	300	Vertical	Pass
4**	7363.250	43.19	0.63	54.0	10.81	AV	123.00	300	Vertical	Pass
5	12517.012	52.16	1.34	74.0	21.84	Peak	0.00	150	Vertical	Pass
5**	12517.012	42.35	1.34	54.0	11.65	AV	0.00	150	Vertical	Pass
6	16162.763	53.17	2.07	74.0	20.83	Peak	125.00	200	Vertical	Pass
6**	16162.763	44.02	2.07	54.0	9.98	AV	125.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1556.000	38.43	-17.31	74.0	35.57	Peak	82.00	300	Horizontal	Pass
1**	1556.000	28.14	-17.31	54.0	25.86	AV	82.00	300	Horizontal	Pass
2	4349.750	46.67	-4.66	74.0	27.33	Peak	271.00	300	Horizontal	Pass
2**	4349.750	38.06	-4.66	54.0	15.94	AV	271.00	300	Horizontal	Pass
3	5581.250	101.31	-1.94	--	--	Peak	135.00	150	Horizontal	N/A
3**	5581.250	93.85	-1.94	--	--	AV	135.00	150	Horizontal	N/A
4	7567.500	53.25	0.52	74.0	20.75	Peak	162.00	100	Horizontal	Pass
4**	7567.500	43.96	0.52	54.0	10.04	AV	162.00	100	Horizontal	Pass
5	12552.162	52.29	1.11	74.0	21.71	Peak	171.00	100	Horizontal	Pass
5**	12552.162	42.64	1.11	54.0	11.36	AV	171.00	100	Horizontal	Pass
6	16153.050	52.71	2.13	74.0	21.29	Peak	234.00	100	Horizontal	Pass
6**	16153.050	44.08	2.13	54.0	9.92	AV	234.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1441.200	38.14	-16.74	74.0	35.86	Peak	203.00	100	Vertical	Pass
1**	1441.200	29.03	-16.74	54.0	24.97	AV	203.00	100	Vertical	Pass
2	4321.000	46.75	-4.84	74.0	27.25	Peak	225.00	300	Vertical	Pass
2**	4321.000	37.91	-4.84	54.0	16.09	AV	225.00	300	Vertical	Pass
3	5581.000	99.19	-1.98	--	--	Peak	288.00	100	Vertical	N/A
3**	5581.000	92.72	-1.98	--	--	AV	288.00	100	Vertical	N/A
4	7727.250	52.70	0.40	74.0	21.30	Peak	0.00	100	Vertical	Pass
4**	7727.250	43.15	0.40	54.0	10.85	AV	0.00	100	Vertical	Pass
5	12288.062	52.05	0.69	74.0	21.95	Peak	40.00	150	Vertical	Pass
5**	12288.062	42.37	0.69	54.0	11.63	AV	40.00	150	Vertical	Pass
6	16162.500	53.38	2.07	74.0	20.62	Peak	52.00	100	Vertical	Pass
6**	16162.500	44.31	2.07	54.0	9.69	AV	52.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1480.100	38.07	-16.99	74.0	35.93	Peak	150.00	200	Horizontal	Pass
1**	1480.100	29.14	-16.99	54.0	24.86	AV	150.00	200	Horizontal	Pass
2	4302.750	46.72	-5.03	74.0	27.28	Peak	353.00	400	Horizontal	Pass
2**	4302.750	37.59	-5.03	54.0	16.41	AV	353.00	400	Horizontal	Pass
3	5699.000	100.95	-2.24	--	--	Peak	162.00	200	Horizontal	N/A
3**	5699.000	93.40	-2.24	--	--	AV	162.00	200	Horizontal	N/A
4	7373.250	53.45	0.78	74.0	20.55	Peak	288.00	400	Horizontal	Pass
4**	7373.250	43.49	0.78	54.0	10.51	AV	288.00	400	Horizontal	Pass
5	11803.325	52.16	-0.18	74.0	21.84	Peak	181.00	150	Horizontal	Pass
5**	11803.325	43.32	-0.18	54.0	10.68	AV	181.00	150	Horizontal	Pass
6	16165.913	53.50	2.04	74.0	20.50	Peak	69.00	300	Horizontal	Pass
6**	16165.913	43.92	2.04	54.0	10.08	AV	69.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1481.000	38.69	-16.75	74.0	35.31	Peak	233.00	200	Vertical	Pass
1**	1481.000	28.94	-16.75	54.0	25.06	AV	233.00	200	Vertical	Pass
2	4272.000	46.25	-5.09	74.0	27.75	Peak	79.00	400	Vertical	Pass
2**	4272.000	37.40	-5.09	54.0	16.60	AV	79.00	400	Vertical	Pass
3	5698.750	99.25	-2.24	--	--	Peak	288.00	150	Vertical	N/A
3**	5698.750	91.73	-2.24	--	--	AV	288.00	150	Vertical	N/A
4	7370.250	52.43	0.97	74.0	21.57	Peak	225.00	400	Vertical	Pass
4**	7370.250	43.59	0.97	54.0	10.41	AV	225.00	400	Vertical	Pass
5	11793.588	52.25	-0.15	74.0	21.75	Peak	303.00	150	Vertical	Pass
5**	11793.588	42.91	-0.15	54.0	11.09	AV	303.00	150	Vertical	Pass
6	16149.900	53.33	2.15	74.0	20.67	Peak	321.00	200	Vertical	Pass
6**	16149.900	43.88	2.15	54.0	10.12	AV	321.00	200	Vertical	Pass



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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1464.900	37.92	-17.07	74.0	36.08	Peak	271.00	200	Horizontal	Pass
1**	1464.900	28.66	-17.07	54.0	25.34	AV	271.00	200	Horizontal	Pass
2	4247.000	46.70	-4.43	74.0	27.30	Peak	246.00	200	Horizontal	Pass
2**	4247.000	38.64	-4.43	54.0	15.36	AV	246.00	200	Horizontal	Pass
3	5512.750	97.58	-3.14	--	--	Peak	162.00	150	Horizontal	N/A
3**	5512.750	90.16	-3.14	--	--	AV	162.00	150	Horizontal	N/A
4	7359.500	52.93	0.87	74.0	21.07	Peak	120.00	400	Horizontal	Pass
4**	7359.500	44.54	0.87	54.0	9.46	AV	120.00	400	Horizontal	Pass
5	12282.362	51.81	0.75	74.0	22.19	Peak	196.00	150	Horizontal	Pass
5**	12282.362	42.18	0.75	54.0	11.82	AV	196.00	150	Horizontal	Pass
6	16179.562	53.68	1.95	74.0	20.32	Peak	45.00	200	Horizontal	Pass
6**	16179.562	44.58	1.95	54.0	9.42	AV	45.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1475.700	38.14	-17.19	74.0	35.86	Peak	150.00	300	Vertical	Pass
1**	1475.700	28.69	-17.19	54.0	25.31	AV	150.00	300	Vertical	Pass
2	4290.750	47.34	-4.57	74.0	26.66	Peak	360.00	200	Vertical	Pass
2**	4290.750	37.71	-4.57	54.0	16.29	AV	360.00	200	Vertical	Pass
3	5512.000	95.72	-3.05	--	--	Peak	307.00	150	Vertical	N/A
3**	5512.000	88.83	-3.05	--	--	AV	307.00	150	Vertical	N/A
4	7495.750	53.08	1.29	74.0	20.92	Peak	0.00	300	Vertical	Pass
4**	7495.750	44.83	1.29	54.0	9.17	AV	0.00	300	Vertical	Pass
5	11795.250	52.24	-0.15	74.0	21.76	Peak	198.00	200	Vertical	Pass
5**	11795.250	42.99	-0.15	54.0	11.01	AV	198.00	200	Vertical	Pass
6	16181.662	53.49	1.94	74.0	20.51	Peak	360.00	400	Vertical	Pass
6**	16181.662	44.20	1.94	54.0	9.80	AV	360.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1565.800	38.18	-17.30	74.0	35.82	Peak	246.00	400	Horizontal	Pass
1**	1565.800	28.11	-17.30	54.0	25.89	AV	246.00	400	Horizontal	Pass
2	4325.250	46.70	-4.82	74.0	27.30	Peak	360.00	200	Horizontal	Pass
2**	4325.250	37.78	-4.82	54.0	16.22	AV	360.00	200	Horizontal	Pass
3	5587.750	98.14	-2.24	--	--	Peak	140.00	150	Horizontal	N/A
3**	5587.750	90.63	-2.24	--	--	AV	140.00	150	Horizontal	N/A
4	7314.750	52.90	0.71	74.0	21.10	Peak	183.00	200	Horizontal	Pass
4**	7314.750	44.19	0.71	54.0	9.81	AV	183.00	200	Horizontal	Pass
5	12538.625	52.19	1.22	74.0	21.81	Peak	62.00	150	Horizontal	Pass
5**	12538.625	42.41	1.22	54.0	11.59	AV	62.00	150	Horizontal	Pass
6	16088.212	52.86	1.60	74.0	21.14	Peak	137.00	100	Horizontal	Pass
6**	16088.212	43.39	1.60	54.0	10.61	AV	137.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1512.400	38.29	-16.38	74.0	35.71	Peak	135.00	200	Vertical	Pass
1**	1512.400	29.45	-16.38	54.0	24.55	AV	135.00	200	Vertical	Pass
2	4249.750	47.03	-4.27	74.0	26.97	Peak	273.00	400	Vertical	Pass
2**	4249.750	37.36	-4.27	54.0	16.64	AV	273.00	400	Vertical	Pass
3	5592.000	95.80	-2.21	--	--	Peak	315.00	200	Vertical	N/A
3**	5592.000	89.70	-2.21	--	--	AV	315.00	200	Vertical	N/A
4	7742.000	52.78	0.45	74.0	21.22	Peak	356.00	100	Vertical	Pass
4**	7742.000	43.24	0.45	54.0	10.76	AV	356.00	100	Vertical	Pass
5	11771.025	51.95	-0.17	74.0	22.05	Peak	47.00	200	Vertical	Pass
5**	11771.025	42.53	-0.17	54.0	11.47	AV	47.00	200	Vertical	Pass
6	16154.888	53.62	2.12	74.0	20.38	Peak	287.00	100	Vertical	Pass
6**	16154.888	45.13	2.12	54.0	8.87	AV	287.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1561.800	38.44	-17.42	74.0	35.56	Peak	80.00	200	Horizontal	Pass
1**	1561.800	28.72	-17.42	54.0	25.28	AV	80.00	200	Horizontal	Pass
2	4141.250	46.99	-5.66	74.0	27.01	Peak	329.00	400	Horizontal	Pass
2**	4141.250	36.95	-5.66	54.0	17.05	AV	329.00	400	Horizontal	Pass
3	5667.500	98.14	-2.51	--	--	Peak	162.00	100	Horizontal	N/A
3**	5667.500	90.27	-2.51	--	--	AV	162.00	100	Horizontal	N/A
4	7359.500	53.10	0.87	74.0	20.90	Peak	36.00	100	Horizontal	Pass
4**	7359.500	44.07	0.87	54.0	9.93	AV	36.00	100	Horizontal	Pass
5	11601.212	52.32	-0.63	74.0	21.68	Peak	220.00	200	Horizontal	Pass
5**	11601.212	41.39	-0.63	54.0	12.61	AV	220.00	200	Horizontal	Pass
6	16169.850	53.11	2.02	74.0	20.89	Peak	60.00	200	Horizontal	Pass
6**	16169.850	44.58	2.02	54.0	9.42	AV	60.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1484.900	38.18	-17.09	74.0	35.82	Peak	325.00	400	Vertical	Pass
1**	1484.900	28.95	-17.09	54.0	25.05	AV	325.00	400	Vertical	Pass
2	4120.750	46.63	-5.43	74.0	27.37	Peak	183.00	300	Vertical	Pass
2**	4120.750	37.75	-5.43	54.0	16.25	AV	183.00	300	Vertical	Pass
3	5672.250	96.34	-2.74	--	--	Peak	288.00	200	Vertical	N/A
3**	5672.250	88.76	-2.74	--	--	AV	288.00	200	Vertical	N/A
4	7742.000	53.62	0.45	74.0	20.38	Peak	288.00	200	Vertical	Pass
4**	7742.000	44.00	0.45	54.0	10.00	AV	288.00	200	Vertical	Pass
5	11801.662	52.17	-0.16	74.0	21.83	Peak	57.00	100	Vertical	Pass
5**	11801.662	42.76	-0.16	54.0	11.24	AV	57.00	100	Vertical	Pass
6	16174.050	53.19	1.99	74.0	20.81	Peak	169.00	300	Vertical	Pass
6**	16174.050	43.26	1.99	54.0	10.74	AV	169.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1576.300	38.00	-16.84	74.0	36.00	Peak	198.00	100	Horizontal	Pass
1**	1576.300	28.95	-16.84	54.0	25.05	AV	198.00	100	Horizontal	Pass
2	4365.250	46.59	-4.63	74.0	27.41	Peak	356.00	100	Horizontal	Pass
2**	4365.250	37.92	-4.63	54.0	16.08	AV	356.00	100	Horizontal	Pass
3	5501.500	99.58	-2.83	--	--	Peak	166.00	200	Horizontal	N/A
3**	5501.500	91.95	-2.83	--	--	AV	166.00	200	Horizontal	N/A
4	7712.750	53.00	1.76	74.0	21.00	Peak	356.00	300	Horizontal	Pass
4**	7712.750	43.69	1.76	54.0	10.31	AV	356.00	300	Horizontal	Pass
5	11772.687	52.09	-0.17	74.0	21.91	Peak	227.00	200	Horizontal	Pass
5**	11772.687	42.54	-0.17	54.0	11.46	AV	227.00	200	Horizontal	Pass
6	16164.338	53.40	2.05	74.0	20.60	Peak	294.00	100	Horizontal	Pass
6**	16164.338	44.03	2.05	54.0	9.97	AV	294.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1531.300	38.27	-16.73	74.0	35.73	Peak	344.00	300	Vertical	Pass
1**	1531.300	29.17	-16.73	54.0	24.83	AV	344.00	300	Vertical	Pass
2	4009.750	46.65	-5.98	74.0	27.35	Peak	359.00	100	Vertical	Pass
2**	4009.750	37.26	-5.98	54.0	16.74	AV	359.00	100	Vertical	Pass
3	5497.000	96.94	-2.77	--	--	Peak	297.00	200	Vertical	N/A
3**	5497.000	89.46	-2.77	--	--	AV	297.00	200	Vertical	N/A
4	7310.750	53.74	0.54	74.0	20.26	Peak	317.00	300	Vertical	Pass
4**	7310.750	43.84	0.54	54.0	10.16	AV	317.00	300	Vertical	Pass
5	12034.650	52.15	-0.00	74.0	21.85	Peak	125.00	100	Vertical	Pass
5**	12034.650	42.47	-0.00	54.0	11.53	AV	125.00	100	Vertical	Pass
6	16149.638	53.47	2.15	74.0	20.53	Peak	263.00	100	Vertical	Pass
6**	16149.638	44.14	2.15	54.0	9.86	AV	263.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1482.600	38.11	-17.09	74.0	35.89	Peak	336.00	100	Horizontal	Pass
1**	1482.600	28.78	-17.09	54.0	25.22	AV	336.00	100	Horizontal	Pass
2	4221.750	47.00	-4.98	74.0	27.00	Peak	270.00	300	Horizontal	Pass
2**	4221.750	37.18	-4.98	54.0	16.82	AV	270.00	300	Horizontal	Pass
3	5578.250	100.23	-2.14	--	--	Peak	144.00	150	Horizontal	N/A
3**	5578.250	92.17	-2.14	--	--	AV	144.00	150	Horizontal	N/A
4	7486.500	52.61	1.41	74.0	21.39	Peak	270.00	200	Horizontal	Pass
4**	7486.500	44.17	1.41	54.0	9.83	AV	270.00	200	Horizontal	Pass
5	11797.151	51.70	-0.15	74.0	22.30	Peak	360.00	100	Horizontal	Pass
5**	11797.151	42.31	-0.15	54.0	11.69	AV	360.00	100	Horizontal	Pass
6	16178.250	52.89	1.96	74.0	21.11	Peak	280.00	100	Horizontal	Pass
6**	16178.250	44.96	1.96	54.0	9.04	AV	280.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1616.800	37.98	-17.01	74.0	36.02	Peak	184.00	300	Vertical	Pass
1**	1616.800	28.47	-17.01	54.0	25.53	AV	184.00	300	Vertical	Pass
2	4208.500	46.74	-4.87	74.0	27.26	Peak	142.00	400	Vertical	Pass
2**	4208.500	37.32	-4.87	54.0	16.68	AV	142.00	400	Vertical	Pass
3	5575.750	97.55	-2.14	--	--	Peak	288.00	100	Vertical	N/A
3**	5575.750	89.19	-2.14	--	--	AV	288.00	100	Vertical	N/A
4	7357.500	53.09	0.68	74.0	20.91	Peak	18.00	100	Vertical	Pass
4**	7357.500	43.74	0.68	54.0	10.26	AV	18.00	100	Vertical	Pass
5	12045.575	51.83	-0.15	74.0	22.17	Peak	308.00	200	Vertical	Pass
5**	12045.575	42.05	-0.15	54.0	11.95	AV	308.00	200	Vertical	Pass
6	16173.000	54.22	2.00	74.0	19.78	Peak	360.00	400	Vertical	Pass
6**	16173.000	44.96	2.00	54.0	9.04	AV	360.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1511.200	37.71	-16.81	74.0	36.29	Peak	307.00	400	Horizontal	Pass
1**	1511.200	28.59	-16.81	54.0	25.41	AV	307.00	400	Horizontal	Pass
2	4252.000	46.58	-4.23	74.0	27.42	Peak	341.00	200	Horizontal	Pass
2**	4252.000	38.49	-4.23	54.0	15.51	AV	341.00	200	Horizontal	Pass
3	5697.000	98.81	-2.28	--	--	Peak	171.00	150	Horizontal	N/A
3**	5697.000	91.08	-2.28	--	--	AV	171.00	150	Horizontal	N/A
4	7485.500	53.34	1.35	74.0	20.66	Peak	236.00	200	Horizontal	Pass
4**	7485.500	44.89	1.35	54.0	9.11	AV	236.00	200	Horizontal	Pass
5	11789.075	52.01	-0.16	74.0	21.99	Peak	93.00	200	Horizontal	Pass
5**	11789.075	43.41	-0.16	54.0	10.59	AV	93.00	200	Horizontal	Pass
6	16177.724	53.16	1.96	74.0	20.84	Peak	351.00	400	Horizontal	Pass
6**	16177.724	44.24	1.96	54.0	9.76	AV	351.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1581.200	37.95	-17.00	74.0	36.05	Peak	354.00	200	Vertical	Pass
1**	1581.200	29.14	-17.00	54.0	24.86	AV	354.00	200	Vertical	Pass
2	4103.250	47.32	-5.80	74.0	26.68	Peak	101.00	200	Vertical	Pass
2**	4103.250	37.61	-5.80	54.0	16.39	AV	101.00	200	Vertical	Pass
3	5701.000	97.02	-2.25	--	--	Peak	288.00	100	Vertical	N/A
3**	5701.000	90.21	-2.25	--	--	AV	288.00	100	Vertical	N/A
4	7487.750	53.01	1.49	74.0	20.99	Peak	16.00	200	Vertical	Pass
4**	7487.750	44.21	1.49	54.0	9.79	AV	16.00	200	Vertical	Pass
5	12524.375	51.77	1.30	74.0	22.23	Peak	249.00	200	Vertical	Pass
5**	12524.375	42.71	1.30	54.0	11.29	AV	249.00	200	Vertical	Pass
6	16159.612	53.33	2.09	74.0	20.67	Peak	116.00	300	Vertical	Pass
6**	16159.612	43.97	2.09	54.0	10.03	AV	116.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1621.000	37.98	-16.86	74.0	36.02	Peak	300.00	300	Horizontal	Pass
1**	1621.000	28.79	-16.86	54.0	25.21	AV	300.00	300	Horizontal	Pass
2	4389.250	46.71	-5.33	74.0	27.29	Peak	360.00	100	Horizontal	Pass
2**	4389.250	37.14	-5.33	54.0	16.86	AV	360.00	100	Horizontal	Pass
3	5508.000	96.73	-3.04	--	--	Peak	183.00	200	Horizontal	N/A
3**	5508.000	89.07	-3.04	--	--	AV	183.00	200	Horizontal	N/A
4	7479.750	53.39	0.88	74.0	20.61	Peak	280.00	300	Horizontal	Pass
4**	7479.750	43.96	0.88	54.0	10.04	AV	280.00	300	Horizontal	Pass
5	11802.138	51.93	-0.17	74.0	22.07	Peak	55.00	100	Horizontal	Pass
5**	11802.138	42.53	-0.17	54.0	11.47	AV	55.00	100	Horizontal	Pass
6	16123.125	52.73	1.94	74.0	21.27	Peak	0.00	300	Horizontal	Pass
6**	16123.125	43.13	1.94	54.0	10.87	AV	0.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1467.600	38.17	-17.23	74.0	35.83	Peak	360.00	200	Vertical	Pass
1**	1467.600	28.43	-17.23	54.0	25.57	AV	360.00	200	Vertical	Pass
2	4362.000	47.49	-4.76	74.0	26.51	Peak	53.00	100	Vertical	Pass
2**	4362.000	37.65	-4.76	54.0	16.35	AV	53.00	100	Vertical	Pass
3	5512.250	94.68	-3.11	--	--	Peak	303.00	200	Vertical	N/A
3**	5512.250	87.98	-3.11	--	--	AV	303.00	200	Vertical	N/A
4	7740.250	52.77	0.39	74.0	21.23	Peak	79.00	200	Vertical	Pass
4**	7740.250	43.97	0.39	54.0	10.03	AV	79.00	200	Vertical	Pass
5	12545.275	52.40	1.18	74.0	21.60	Peak	242.00	200	Vertical	Pass
5**	12545.275	42.19	1.18	54.0	11.81	AV	242.00	200	Vertical	Pass
6	16168.013	53.22	2.03	74.0	20.78	Peak	81.00	300	Vertical	Pass
6**	16168.013	44.82	2.03	54.0	9.18	AV	81.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1488.900	38.37	-16.99	74.0	35.63	Peak	198.00	100	Horizontal	Pass
1**	1488.900	28.28	-16.99	54.0	25.72	AV	198.00	100	Horizontal	Pass
2	4294.250	47.10	-4.64	74.0	26.90	Peak	273.00	400	Horizontal	Pass
2**	4294.250	37.03	-4.64	54.0	16.97	AV	273.00	400	Horizontal	Pass
3	5585.750	96.50	-2.07	--	--	Peak	125.00	100	Horizontal	N/A
3**	5585.750	88.82	-2.07	--	--	AV	125.00	100	Horizontal	N/A
4	7713.750	53.15	1.83	74.0	20.85	Peak	151.00	300	Horizontal	Pass
4**	7713.750	44.28	1.83	54.0	9.72	AV	151.00	300	Horizontal	Pass
5	12391.612	51.94	1.06	74.0	22.06	Peak	303.00	200	Horizontal	Pass
5**	12391.612	42.83	1.06	54.0	11.17	AV	303.00	200	Horizontal	Pass
6	16172.474	53.82	2.00	74.0	20.18	Peak	360.00	300	Horizontal	Pass
6**	16172.474	44.04	2.00	54.0	9.96	AV	360.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1443.800	38.16	-16.89	74.0	35.84	Peak	213.00	400	Vertical	Pass
1**	1443.800	29.35	-16.89	54.0	24.65	AV	213.00	400	Vertical	Pass
2	4394.750	46.35	-4.64	74.0	27.65	Peak	161.00	100	Vertical	Pass
2**	4394.750	37.69	-4.64	54.0	16.31	AV	161.00	100	Vertical	Pass
3	5591.750	95.00	-2.11	--	--	Peak	322.00	200	Vertical	N/A
3**	5591.750	88.01	-2.11	--	--	AV	322.00	200	Vertical	N/A
4	7657.250	52.76	1.36	74.0	21.24	Peak	186.00	400	Vertical	Pass
4**	7657.250	43.06	1.36	54.0	10.94	AV	186.00	400	Vertical	Pass
5	11798.100	51.97	-0.15	74.0	22.03	Peak	88.00	150	Vertical	Pass
5**	11798.100	42.75	-0.15	54.0	11.25	AV	88.00	150	Vertical	Pass
6	16169.326	53.14	2.02	74.0	20.86	Peak	65.00	200	Vertical	Pass
6**	16169.326	44.39	2.02	54.0	9.61	AV	65.00	200	Vertical	Pass



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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1622.100	37.92	-17.08	74.0	36.08	Peak	278.00	300	Horizontal	Pass
1**	1622.100	28.22	-17.08	54.0	25.78	AV	278.00	300	Horizontal	Pass
2	4246.250	46.63	-4.29	74.0	27.37	Peak	18.00	100	Horizontal	Pass
2**	4246.250	37.57	-4.29	54.0	16.43	AV	18.00	100	Horizontal	Pass
3	5665.250	97.03	-2.36	--	--	Peak	186.00	200	Horizontal	N/A
3**	5665.250	89.68	-2.36	--	--	AV	186.00	200	Horizontal	N/A
4	7592.750	53.55	1.09	74.0	20.45	Peak	0.00	300	Horizontal	Pass
4**	7592.750	43.38	1.09	54.0	10.62	AV	0.00	300	Horizontal	Pass
5	12345.300	52.34	0.82	74.0	21.66	Peak	329.00	200	Horizontal	Pass
5**	12345.300	42.13	0.82	54.0	11.87	AV	329.00	200	Horizontal	Pass
6	16176.938	53.08	1.97	74.0	20.92	Peak	360.00	400	Horizontal	Pass
6**	16176.938	43.81	1.97	54.0	10.19	AV	360.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1534.900	38.69	-17.41	74.0	35.31	Peak	213.00	100	Vertical	Pass
1**	1534.900	27.97	-17.41	54.0	26.03	AV	213.00	100	Vertical	Pass
2	4309.500	47.47	-5.05	74.0	26.53	Peak	287.00	200	Vertical	Pass
2**	4309.500	38.10	-5.05	54.0	15.90	AV	287.00	200	Vertical	Pass
3	5671.750	95.20	-2.34	--	--	Peak	310.00	200	Vertical	N/A
3**	5671.750	88.12	-2.34	--	--	AV	310.00	200	Vertical	N/A
4	7583.750	53.05	1.16	74.0	20.95	Peak	166.00	200	Vertical	Pass
4**	7583.750	44.32	1.16	54.0	9.68	AV	166.00	200	Vertical	Pass
5	11779.812	51.85	-0.17	74.0	22.15	Peak	360.00	150	Vertical	Pass
5**	11779.812	43.04	-0.17	54.0	10.96	AV	360.00	150	Vertical	Pass
6	16063.275	53.31	1.27	74.0	20.69	Peak	212.00	400	Vertical	Pass
6**	16063.275	42.91	1.27	54.0	11.09	AV	212.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1605.200	38.47	-16.66	74.0	35.53	Peak	325.00	200	Horizontal	Pass
1**	1605.200	29.52	-16.66	54.0	24.48	AV	325.00	200	Horizontal	Pass
2	4292.250	47.04	-4.60	74.0	26.96	Peak	332.00	200	Horizontal	Pass
2**	4292.250	37.16	-4.60	54.0	16.84	AV	332.00	200	Horizontal	Pass
3	5531.500	93.96	-2.48	--	--	Peak	164.00	100	Horizontal	N/A
3**	5531.500	86.53	-2.48	--	--	AV	164.00	100	Horizontal	N/A
4	7308.000	52.65	0.45	74.0	21.35	Peak	360.00	400	Horizontal	Pass
4**	7308.000	43.83	0.45	54.0	10.17	AV	360.00	400	Horizontal	Pass
5	12520.337	52.45	1.32	74.0	21.55	Peak	360.00	150	Horizontal	Pass
5**	12520.337	42.08	1.32	54.0	11.92	AV	360.00	150	Horizontal	Pass
6	16154.625	53.46	2.12	74.0	20.54	Peak	214.00	400	Horizontal	Pass
6**	16154.625	43.66	2.12	54.0	10.34	AV	214.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1625.300	38.23	-16.85	74.0	35.77	Peak	183.00	100	Vertical	Pass
1**	1625.300	28.99	-16.85	54.0	25.01	AV	183.00	100	Vertical	Pass
2	4274.250	46.81	-5.06	74.0	27.19	Peak	227.00	200	Vertical	Pass
2**	4274.250	37.21	-5.06	54.0	16.79	AV	227.00	200	Vertical	Pass
3	5523.000	92.17	-2.62	--	--	Peak	269.00	150	Vertical	N/A
3**	5523.000	84.41	-2.62	--	--	AV	269.00	150	Vertical	N/A
4	7355.500	52.91	0.42	74.0	21.09	Peak	113.00	400	Vertical	Pass
4**	7355.500	44.19	0.42	54.0	9.81	AV	113.00	400	Vertical	Pass
5	12537.201	52.10	1.22	74.0	21.90	Peak	57.00	150	Vertical	Pass
5**	12537.201	42.77	1.22	54.0	11.23	AV	57.00	150	Vertical	Pass
6	16163.025	53.06	2.06	74.0	20.94	Peak	212.00	400	Vertical	Pass
6**	16163.025	44.74	2.06	54.0	9.26	AV	212.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1570.500	38.20	-17.16	74.0	35.80	Peak	184.00	100	Horizontal	Pass
1**	1570.500	29.07	-17.16	54.0	24.93	AV	184.00	100	Horizontal	Pass
2	4117.750	46.85	-5.61	74.0	27.15	Peak	310.00	100	Horizontal	Pass
2**	4117.750	37.17	-5.61	54.0	16.83	AV	310.00	100	Horizontal	Pass
3	5603.500	94.46	-2.20	--	--	Peak	163.00	100	Horizontal	N/A
3**	5603.500	86.28	-2.20	--	--	AV	163.00	100	Horizontal	N/A
4	7359.250	52.98	0.85	74.0	21.02	Peak	100.00	100	Horizontal	Pass
4**	7359.250	44.10	0.85	54.0	9.90	AV	100.00	100	Horizontal	Pass
5	12329.150	51.71	0.72	74.0	22.29	Peak	155.00	150	Horizontal	Pass
5**	12329.150	43.34	0.72	54.0	10.66	AV	155.00	150	Horizontal	Pass
6	16167.750	52.87	2.03	74.0	21.13	Peak	222.00	200	Horizontal	Pass
6**	16167.750	44.22	2.03	54.0	9.78	AV	222.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1500.500	37.97	-16.82	74.0	36.03	Peak	59.00	100	Vertical	Pass
1**	1500.500	28.44	-16.82	54.0	25.56	AV	59.00	100	Vertical	Pass
2	4262.500	46.50	-4.38	74.0	27.50	Peak	144.00	200	Vertical	Pass
2**	4262.500	38.22	-4.38	54.0	15.78	AV	144.00	200	Vertical	Pass
3	5605.500	92.29	-2.46	--	--	Peak	171.00	200	Vertical	N/A
3**	5605.500	84.01	-2.46	--	--	AV	171.00	200	Vertical	N/A
4	7353.750	53.56	0.49	74.0	20.44	Peak	309.00	100	Vertical	Pass
4**	7353.750	43.75	0.49	54.0	10.25	AV	309.00	100	Vertical	Pass
5	11796.675	51.93	-0.15	74.0	22.07	Peak	261.00	150	Vertical	Pass
5**	11796.675	42.28	-0.15	54.0	11.72	AV	261.00	150	Vertical	Pass
6	16076.925	53.05	1.45	74.0	20.95	Peak	283.00	100	Vertical	Pass
6**	16076.925	43.38	1.45	54.0	10.62	AV	283.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.800	38.40	-16.78	74.0	35.60	Peak	177.00	100	Horizontal	Pass
1**	1440.800	30.07	-16.78	54.0	23.93	AV	177.00	100	Horizontal	Pass
2	4270.250	46.78	-5.34	74.0	27.22	Peak	272.00	200	Horizontal	Pass
2**	4270.250	37.07	-5.34	54.0	16.93	AV	272.00	200	Horizontal	Pass
3	5745.750	102.26	-2.08	--	--	Peak	186.00	200	Horizontal	N/A
3**	5745.750	94.87	-2.08	--	--	AV	186.00	200	Horizontal	N/A
4	7363.750	52.95	0.74	74.0	21.05	Peak	272.00	200	Horizontal	Pass
4**	7363.750	44.13	0.74	54.0	9.87	AV	272.00	200	Horizontal	Pass
5	11783.375	52.45	-0.16	74.0	21.55	Peak	135.00	150	Horizontal	Pass
5**	11783.375	43.33	-0.16	54.0	10.67	AV	135.00	150	Horizontal	Pass
6	16185.075	53.46	1.91	74.0	20.54	Peak	119.00	400	Horizontal	Pass
6**	16185.075	43.37	1.91	54.0	10.63	AV	119.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1487.100	37.84	-16.99	74.0	36.16	Peak	191.00	200	Vertical	Pass
1**	1487.100	29.24	-16.99	54.0	24.76	AV	191.00	200	Vertical	Pass
2	4209.250	47.18	-5.14	74.0	26.82	Peak	310.00	400	Vertical	Pass
2**	4209.250	37.04	-5.14	54.0	16.96	AV	310.00	400	Vertical	Pass
3	5747.000	101.41	-2.01	--	--	Peak	289.00	100	Vertical	N/A
3**	5747.000	93.27	-2.01	--	--	AV	289.00	100	Vertical	N/A
4	7476.250	52.84	0.62	74.0	21.16	Peak	38.00	200	Vertical	Pass
4**	7476.250	43.94	0.62	54.0	10.06	AV	38.00	200	Vertical	Pass
5	11775.300	52.36	-0.17	74.0	21.64	Peak	0.00	200	Vertical	Pass
5**	11775.300	43.38	-0.17	54.0	10.62	AV	0.00	200	Vertical	Pass
6	16165.125	52.97	2.05	74.0	21.03	Peak	299.00	200	Vertical	Pass
6**	16165.125	44.64	2.05	54.0	9.36	AV	299.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1484.700	37.78	-16.94	74.0	36.22	Peak	122.00	400	Horizontal	Pass
1**	1484.700	28.41	-16.94	54.0	25.59	AV	122.00	400	Horizontal	Pass
2	4074.250	47.35	-5.51	74.0	26.65	Peak	141.00	300	Horizontal	Pass
2**	4074.250	36.92	-5.51	54.0	17.08	AV	141.00	300	Horizontal	Pass
3	5782.000	101.39	-2.92	--	--	Peak	169.00	150	Horizontal	N/A
3**	5782.000	92.68	-2.92	--	--	AV	169.00	150	Horizontal	N/A
4	7741.250	53.02	0.11	74.0	20.98	Peak	2.00	300	Horizontal	Pass
4**	7741.250	43.47	0.11	54.0	10.53	AV	2.00	300	Horizontal	Pass
5	11782.901	53.89	-0.16	74.0	20.11	Peak	124.00	200	Horizontal	Pass
5**	11782.901	42.93	-0.16	54.0	11.07	AV	124.00	200	Horizontal	Pass
6	15834.375	54.30	1.46	74.0	19.70	Peak	162.00	100	Horizontal	Pass
6**	15834.375	42.76	1.46	54.0	11.24	AV	162.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1445.500	38.25	-17.12	74.0	35.75	Peak	349.00	400	Vertical	Pass
1**	1445.500	28.67	-17.12	54.0	25.33	AV	349.00	400	Vertical	Pass
2	4258.750	47.16	-4.36	74.0	26.84	Peak	233.00	200	Vertical	Pass
2**	4258.750	37.86	-4.36	54.0	16.14	AV	233.00	200	Vertical	Pass
3	5786.000	100.83	-2.41	--	--	Peak	297.00	150	Vertical	N/A
3**	5786.000	94.06	-2.41	--	--	AV	297.00	150	Vertical	N/A
4	7492.000	52.95	1.24	74.0	21.05	Peak	360.00	200	Vertical	Pass
4**	7492.000	44.12	1.24	54.0	9.88	AV	360.00	200	Vertical	Pass
5	11787.650	52.28	-0.16	74.0	21.72	Peak	219.00	150	Vertical	Pass
5**	11787.650	43.74	-0.16	54.0	10.26	AV	219.00	150	Vertical	Pass
6	16170.112	53.77	2.02	74.0	20.23	Peak	128.00	200	Vertical	Pass
6**	16170.112	43.84	2.02	54.0	10.16	AV	128.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1614.300	38.90	-16.99	74.0	35.10	Peak	0.00	200	Horizontal	Pass
1**	1614.300	28.24	-16.99	54.0	25.76	AV	0.00	200	Horizontal	Pass
2	4229.000	47.32	-5.31	74.0	26.68	Peak	25.00	300	Horizontal	Pass
2**	4229.000	37.11	-5.31	54.0	16.89	AV	25.00	300	Horizontal	Pass
3	5826.250	101.13	-2.69	--	--	Peak	179.00	100	Horizontal	N/A
3**	5826.250	94.65	-2.69	--	--	AV	179.00	100	Horizontal	N/A
4	7720.000	53.54	1.00	74.0	20.46	Peak	360.00	100	Horizontal	Pass
4**	7720.000	43.15	1.00	54.0	10.85	AV	360.00	100	Horizontal	Pass
5	12329.862	52.18	0.73	74.0	21.82	Peak	202.00	100	Horizontal	Pass
5**	12329.862	42.42	0.73	54.0	11.58	AV	202.00	100	Horizontal	Pass
6	16098.450	52.56	1.73	74.0	21.44	Peak	24.00	400	Horizontal	Pass
6**	16098.450	41.98	1.73	54.0	12.02	AV	24.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1613.900	37.78	-16.70	74.0	36.22	Peak	352.00	300	Vertical	Pass
1**	1613.900	29.00	-16.70	54.0	25.00	AV	352.00	300	Vertical	Pass
2	4114.250	46.66	-5.90	74.0	27.34	Peak	184.00	200	Vertical	Pass
2**	4114.250	38.02	-5.90	54.0	15.98	AV	184.00	200	Vertical	Pass
3	5823.750	100.91	-2.78	--	--	Peak	308.00	200	Vertical	N/A
3**	5823.750	93.50	-2.78	--	--	AV	308.00	200	Vertical	N/A
4	7359.750	52.60	0.94	74.0	21.40	Peak	247.00	400	Vertical	Pass
4**	7359.750	44.87	0.94	54.0	9.13	AV	247.00	400	Vertical	Pass
5	11800.001	52.00	-0.15	74.0	22.00	Peak	322.00	100	Vertical	Pass
5**	11800.001	44.02	-0.15	54.0	9.98	AV	322.00	100	Vertical	Pass
6	16181.662	53.64	1.94	74.0	20.36	Peak	330.00	100	Vertical	Pass
6**	16181.662	45.56	1.94	54.0	8.44	AV	330.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1581.100	38.39	-17.04	74.0	35.61	Peak	276.00	300	Horizontal	Pass
1**	1581.100	28.50	-17.04	54.0	25.50	AV	276.00	300	Horizontal	Pass
2	4257.000	46.91	-4.04	74.0	27.09	Peak	150.00	100	Horizontal	Pass
2**	4257.000	37.91	-4.04	54.0	16.09	AV	150.00	100	Horizontal	Pass
3	5743.250	100.39	-2.09	--	--	Peak	174.00	100	Horizontal	N/A
3**	5743.250	92.69	-2.09	--	--	AV	174.00	100	Horizontal	N/A
4	7363.250	53.44	0.63	74.0	20.56	Peak	346.00	200	Horizontal	Pass
4**	7363.250	44.02	0.63	54.0	9.98	AV	346.00	200	Horizontal	Pass
5	12288.775	52.19	0.68	74.0	21.81	Peak	151.00	200	Horizontal	Pass
5**	12288.775	43.48	0.68	54.0	10.52	AV	151.00	200	Horizontal	Pass
6	16162.237	53.59	2.07	74.0	20.41	Peak	360.00	200	Horizontal	Pass
6**	16162.237	43.87	2.07	54.0	10.13	AV	360.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1494.400	38.22	-17.29	74.0	35.78	Peak	69.00	200	Vertical	Pass
1**	1494.400	28.34	-17.29	54.0	25.66	AV	69.00	200	Vertical	Pass
2	4364.250	47.24	-4.83	74.0	26.76	Peak	209.00	200	Vertical	Pass
2**	4364.250	38.49	-4.83	54.0	15.51	AV	209.00	200	Vertical	Pass
3	5746.750	99.21	-2.01	--	--	Peak	308.00	100	Vertical	N/A
3**	5746.750	91.65	-2.01	--	--	AV	308.00	100	Vertical	N/A
4	7737.500	53.35	0.16	74.0	20.65	Peak	259.00	300	Vertical	Pass
4**	7737.500	43.61	0.16	54.0	10.39	AV	259.00	300	Vertical	Pass
5	11781.000	51.98	-0.16	74.0	22.02	Peak	275.00	200	Vertical	Pass
5**	11781.000	43.72	-0.16	54.0	10.28	AV	275.00	200	Vertical	Pass
6	15534.075	52.29	1.22	74.0	21.71	Peak	21.00	200	Vertical	Pass
6**	15534.075	43.50	1.22	54.0	10.50	AV	21.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1481.400	38.55	-17.08	74.0	35.45	Peak	334.00	400	Horizontal	Pass
1**	1481.400	28.60	-17.08	54.0	25.40	AV	334.00	400	Horizontal	Pass
2	4281.000	47.12	-4.59	74.0	26.88	Peak	96.00	200	Horizontal	Pass
2**	4281.000	37.45	-4.59	54.0	16.55	AV	96.00	200	Horizontal	Pass
3	5786.000	100.23	-2.41	--	--	Peak	169.00	100	Horizontal	N/A
3**	5786.000	93.11	-2.41	--	--	AV	169.00	100	Horizontal	N/A
4	7596.250	53.72	0.79	74.0	20.28	Peak	216.00	200	Horizontal	Pass
4**	7596.250	42.73	0.79	54.0	11.27	AV	216.00	200	Horizontal	Pass
5	12284.975	52.30	0.72	74.0	21.70	Peak	310.00	100	Horizontal	Pass
5**	12284.975	42.44	0.72	54.0	11.56	AV	310.00	100	Horizontal	Pass
6	16175.362	52.94	1.98	74.0	21.06	Peak	67.00	200	Horizontal	Pass
6**	16175.362	44.10	1.98	54.0	9.90	AV	67.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1546.600	38.38	-17.20	74.0	35.62	Peak	360.00	300	Vertical	Pass
1**	1546.600	28.49	-17.20	54.0	25.51	AV	360.00	300	Vertical	Pass
2	4354.750	47.47	-4.83	74.0	26.53	Peak	23.00	200	Vertical	Pass
2**	4354.750	38.81	-4.83	54.0	15.19	AV	23.00	200	Vertical	Pass
3	5786.000	99.55	-2.41	--	--	Peak	291.00	200	Vertical	N/A
3**	5786.000	91.95	-2.41	--	--	AV	291.00	200	Vertical	N/A
4	7733.250	53.12	0.60	74.0	20.88	Peak	119.00	300	Vertical	Pass
4**	7733.250	44.26	0.60	54.0	9.74	AV	119.00	300	Vertical	Pass
5	12273.100	52.69	0.85	74.0	21.31	Peak	327.00	200	Vertical	Pass
5**	12273.100	42.78	0.85	54.0	11.22	AV	327.00	200	Vertical	Pass
6	16167.224	53.18	2.04	74.0	20.82	Peak	272.00	200	Vertical	Pass
6**	16167.224	44.78	2.04	54.0	9.22	AV	272.00	200	Vertical	Pass



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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1435.700	38.53	-17.11	74.0	35.47	Peak	0.00	200	Horizontal	Pass
1**	1435.700	28.26	-17.11	54.0	25.74	AV	0.00	200	Horizontal	Pass
2	4398.750	47.01	-4.86	74.0	26.99	Peak	138.00	300	Horizontal	Pass
2**	4398.750	37.97	-4.86	54.0	16.03	AV	138.00	300	Horizontal	Pass
3	5825.750	99.64	-2.64	--	--	Peak	165.00	100	Horizontal	N/A
3**	5825.750	91.94	-2.64	--	--	AV	165.00	100	Horizontal	N/A
4	7645.000	53.42	1.04	74.0	20.58	Peak	328.00	200	Horizontal	Pass
4**	7645.000	43.95	1.04	54.0	10.05	AV	328.00	200	Horizontal	Pass
5	12294.237	52.14	0.62	74.0	21.86	Peak	0.00	200	Horizontal	Pass
5**	12294.237	43.27	0.62	54.0	10.73	AV	0.00	200	Horizontal	Pass
6	16189.799	53.22	1.88	74.0	20.78	Peak	222.00	400	Horizontal	Pass
6**	16189.799	43.61	1.88	54.0	10.39	AV	222.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1618.800	37.98	-16.94	74.0	36.02	Peak	0.00	300	Vertical	Pass
1**	1618.800	28.81	-16.94	54.0	25.19	AV	0.00	300	Vertical	Pass
2	4251.750	46.83	-4.28	74.0	27.17	Peak	360.00	400	Vertical	Pass
2**	4251.750	36.99	-4.28	54.0	17.01	AV	360.00	400	Vertical	Pass
3	5826.000	99.56	-2.58	--	--	Peak	317.00	200	Vertical	N/A
3**	5826.000	92.11	-2.58	--	--	AV	317.00	200	Vertical	N/A
4	7354.000	54.20	0.47	74.0	19.80	Peak	19.00	200	Vertical	Pass
4**	7354.000	44.08	0.47	54.0	9.92	AV	19.00	200	Vertical	Pass
5	11789.550	52.72	-0.16	74.0	21.28	Peak	277.00	200	Vertical	Pass
5**	11789.550	44.37	-0.16	54.0	9.63	AV	277.00	200	Vertical	Pass
6	16182.187	53.44	1.93	74.0	20.56	Peak	360.00	400	Vertical	Pass
6**	16182.187	44.02	1.93	54.0	9.98	AV	360.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1594.000	38.61	-16.87	74.0	35.39	Peak	157.00	400	Horizontal	Pass
1**	1594.000	29.72	-16.87	54.0	24.28	AV	157.00	400	Horizontal	Pass
2	4253.500	46.93	-4.17	74.0	27.07	Peak	235.00	400	Horizontal	Pass
2**	4253.500	37.78	-4.17	54.0	16.22	AV	235.00	400	Horizontal	Pass
3	5753.000	97.30	-2.15	--	--	Peak	181.00	200	Horizontal	N/A
3**	5753.000	90.31	-2.15	--	--	AV	181.00	200	Horizontal	N/A
4	7730.250	53.17	0.28	74.0	20.83	Peak	261.00	100	Horizontal	Pass
4**	7730.250	43.74	0.28	54.0	10.26	AV	261.00	100	Horizontal	Pass
5	11775.776	52.96	-0.17	74.0	21.04	Peak	3.00	150	Horizontal	Pass
5**	11775.776	43.41	-0.17	54.0	10.59	AV	3.00	150	Horizontal	Pass
6	16172.474	53.44	2.00	74.0	20.56	Peak	217.00	300	Horizontal	Pass
6**	16172.474	44.13	2.00	54.0	9.87	AV	217.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1497.900	37.90	-16.85	74.0	36.10	Peak	76.00	300	Vertical	Pass
1**	1497.900	29.06	-16.85	54.0	24.94	AV	76.00	300	Vertical	Pass
2	4250.250	46.81	-4.21	74.0	27.19	Peak	41.00	200	Vertical	Pass
2**	4250.250	37.45	-4.21	54.0	16.55	AV	41.00	200	Vertical	Pass
3	5758.750	96.32	-2.20	--	--	Peak	295.00	200	Vertical	N/A
3**	5758.750	88.06	-2.20	--	--	AV	295.00	200	Vertical	N/A
4	7722.250	54.39	1.31	74.0	19.61	Peak	0.00	100	Vertical	Pass
4**	7722.250	44.13	1.31	54.0	9.87	AV	0.00	100	Vertical	Pass
5	11790.262	52.41	-0.15	74.0	21.59	Peak	251.00	100	Vertical	Pass
5**	11790.262	43.46	-0.15	54.0	10.54	AV	251.00	100	Vertical	Pass
6	16188.488	52.36	1.89	74.0	21.64	Peak	16.00	300	Vertical	Pass
6**	16188.488	44.81	1.89	54.0	9.19	AV	16.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1618.300	38.06	-16.97	74.0	35.94	Peak	54.00	400	Horizontal	Pass
1**	1618.300	28.01	-16.97	54.0	25.99	AV	54.00	400	Horizontal	Pass
2	4358.000	46.88	-4.58	74.0	27.12	Peak	167.00	300	Horizontal	Pass
2**	4358.000	37.43	-4.58	54.0	16.57	AV	167.00	300	Horizontal	Pass
3	5793.500	97.50	-2.17	--	--	Peak	167.00	200	Horizontal	N/A
3**	5793.500	90.27	-2.17	--	--	AV	167.00	200	Horizontal	N/A
4	7709.000	53.08	1.89	74.0	20.92	Peak	250.00	400	Horizontal	Pass
4**	7709.000	45.02	1.89	54.0	8.98	AV	250.00	400	Horizontal	Pass
5	11768.651	52.65	-0.18	74.0	21.35	Peak	130.00	100	Horizontal	Pass
5**	11768.651	42.69	-0.18	54.0	11.31	AV	130.00	100	Horizontal	Pass
6	16168.013	53.20	2.03	74.0	20.80	Peak	303.00	200	Horizontal	Pass
6**	16168.013	44.68	2.03	54.0	9.32	AV	303.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1600.400	38.59	-17.16	74.0	35.41	Peak	83.00	100	Vertical	Pass
1**	1600.400	28.40	-17.16	54.0	25.60	AV	83.00	100	Vertical	Pass
2	4254.500	46.90	-4.53	74.0	27.10	Peak	255.00	400	Vertical	Pass
2**	4254.500	37.27	-4.53	54.0	16.73	AV	255.00	400	Vertical	Pass
3	5793.500	97.59	-2.17	--	--	Peak	306.00	200	Vertical	N/A
3**	5793.500	90.15	-2.17	--	--	AV	306.00	200	Vertical	N/A
4	7357.250	53.47	0.91	74.0	20.53	Peak	128.00	200	Vertical	Pass
4**	7357.250	44.57	0.91	54.0	9.43	AV	128.00	200	Vertical	Pass
5	12280.463	52.21	0.77	74.0	21.79	Peak	59.00	150	Vertical	Pass
5**	12280.463	42.79	0.77	54.0	11.21	AV	59.00	150	Vertical	Pass
6	16157.513	53.33	2.10	74.0	20.67	Peak	0.00	400	Vertical	Pass
6**	16157.513	44.24	2.10	54.0	9.76	AV	0.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1575.300	38.32	-16.99	74.0	35.68	Peak	86.00	400	Horizontal	Pass
1**	1575.300	29.55	-16.99	54.0	24.45	AV	86.00	400	Horizontal	Pass
2	4399.750	46.70	-4.73	74.0	27.30	Peak	150.00	300	Horizontal	Pass
2**	4399.750	38.82	-4.73	54.0	15.18	AV	150.00	300	Horizontal	Pass
3	5746.500	99.06	-2.01	--	--	Peak	172.00	100	Horizontal	N/A
3**	5746.500	91.98	-2.01	--	--	AV	172.00	100	Horizontal	N/A
4	7640.250	52.91	0.47	74.0	21.09	Peak	360.00	200	Horizontal	Pass
4**	7640.250	43.58	0.47	54.0	10.42	AV	360.00	200	Horizontal	Pass
5	11797.387	52.60	-0.15	74.0	21.40	Peak	122.00	200	Horizontal	Pass
5**	11797.387	43.05	-0.15	54.0	10.95	AV	122.00	200	Horizontal	Pass
6	16169.588	52.62	2.02	74.0	21.38	Peak	19.00	400	Horizontal	Pass
6**	16169.588	44.30	2.02	54.0	9.70	AV	19.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1493.300	38.30	-17.16	74.0	35.70	Peak	237.00	300	Vertical	Pass
1**	1493.300	28.97	-17.16	54.0	25.03	AV	237.00	300	Vertical	Pass
2	4398.500	46.75	-4.97	74.0	27.25	Peak	208.00	400	Vertical	Pass
2**	4398.500	38.00	-4.97	54.0	16.00	AV	208.00	400	Vertical	Pass
3	5745.750	98.55	-2.08	--	--	Peak	284.00	150	Vertical	N/A
3**	5745.750	91.03	-2.08	--	--	AV	284.00	150	Vertical	N/A
4	7710.250	53.41	1.90	74.0	20.59	Peak	126.00	300	Vertical	Pass
4**	7710.250	43.31	1.90	54.0	10.69	AV	126.00	300	Vertical	Pass
5	12524.849	52.73	1.30	74.0	21.27	Peak	320.00	100	Vertical	Pass
5**	12524.849	42.45	1.30	54.0	11.55	AV	320.00	100	Vertical	Pass
6	15827.812	53.68	1.38	74.0	20.32	Peak	50.00	300	Vertical	Pass
6**	15827.812	43.41	1.38	54.0	10.59	AV	50.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1445.900	38.41	-17.09	74.0	35.59	Peak	152.00	200	Horizontal	Pass
1**	1445.900	28.68	-17.09	54.0	25.32	AV	152.00	200	Horizontal	Pass
2	4315.500	47.58	-5.18	74.0	26.42	Peak	162.00	200	Horizontal	Pass
2**	4315.500	37.93	-5.18	54.0	16.07	AV	162.00	200	Horizontal	Pass
3	5788.000	98.84	-2.41	--	--	Peak	162.00	200	Horizontal	N/A
3**	5788.000	92.12	-2.41	--	--	AV	162.00	200	Horizontal	N/A
4	7643.000	52.68	0.82	74.0	21.32	Peak	138.00	100	Horizontal	Pass
4**	7643.000	43.64	0.82	54.0	10.36	AV	138.00	100	Horizontal	Pass
5	11807.600	53.63	-0.23	74.0	20.37	Peak	35.00	150	Horizontal	Pass
5**	11807.600	43.28	-0.23	54.0	10.72	AV	35.00	150	Horizontal	Pass
6	16171.688	53.74	2.00	74.0	20.26	Peak	23.00	200	Horizontal	Pass
6**	16171.688	43.97	2.00	54.0	10.03	AV	23.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1435.800	38.24	-17.13	74.0	35.76	Peak	315.00	100	Vertical	Pass
1**	1435.800	30.09	-17.13	54.0	23.91	AV	315.00	100	Vertical	Pass
2	4112.000	47.51	-5.64	74.0	26.49	Peak	191.00	400	Vertical	Pass
2**	4112.000	37.46	-5.64	54.0	16.54	AV	191.00	400	Vertical	Pass
3	5785.750	98.11	-2.68	--	--	Peak	315.00	150	Vertical	N/A
3**	5785.750	90.24	-2.68	--	--	AV	315.00	150	Vertical	N/A
4	7492.000	53.35	1.24	74.0	20.65	Peak	128.00	300	Vertical	Pass
4**	7492.000	44.07	1.24	54.0	9.93	AV	128.00	300	Vertical	Pass
5	11762.713	52.11	-0.18	74.0	21.89	Peak	354.00	150	Vertical	Pass
5**	11762.713	41.93	-0.18	54.0	12.07	AV	354.00	150	Vertical	Pass
6	16158.562	52.72	2.09	74.0	21.28	Peak	317.00	200	Vertical	Pass
6**	16158.562	43.91	2.09	54.0	10.09	AV	317.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1459.500	38.08	-17.45	74.0	35.92	Peak	254.00	300	Horizontal	Pass
1**	1459.500	28.09	-17.45	54.0	25.91	AV	254.00	300	Horizontal	Pass
2	4254.750	46.97	-4.18	74.0	27.03	Peak	23.00	300	Horizontal	Pass
2**	4254.750	37.75	-4.18	54.0	16.25	AV	23.00	300	Horizontal	Pass
3	5823.750	98.20	-2.78	--	--	Peak	186.00	100	Horizontal	N/A
3**	5823.750	91.05	-2.78	--	--	AV	186.00	100	Horizontal	N/A
4	7347.500	53.11	0.05	74.0	20.89	Peak	140.00	100	Horizontal	Pass
4**	7347.500	43.26	0.05	54.0	10.74	AV	140.00	100	Horizontal	Pass
5	12313.950	52.73	0.64	74.0	21.27	Peak	251.00	100	Horizontal	Pass
5**	12313.950	42.99	0.64	54.0	11.01	AV	251.00	100	Horizontal	Pass
6	16162.237	52.85	2.07	74.0	21.15	Peak	309.00	200	Horizontal	Pass
6**	16162.237	44.41	2.07	54.0	9.59	AV	309.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1531.600	38.44	-16.82	74.0	35.56	Peak	49.00	300	Vertical	Pass
1**	1531.600	29.22	-16.82	54.0	24.78	AV	49.00	300	Vertical	Pass
2	4273.500	47.25	-4.74	74.0	26.75	Peak	104.00	300	Vertical	Pass
2**	4273.500	38.01	-4.74	54.0	15.99	AV	104.00	300	Vertical	Pass
3	5826.250	97.79	-2.69	--	--	Peak	308.00	200	Vertical	N/A
3**	5826.250	91.26	-2.69	--	--	AV	308.00	200	Vertical	N/A
4	7357.250	52.92	0.91	74.0	21.08	Peak	360.00	300	Vertical	Pass
4**	7357.250	44.74	0.91	54.0	9.26	AV	360.00	300	Vertical	Pass
5	12294.475	52.54	0.62	74.0	21.46	Peak	96.00	100	Vertical	Pass
5**	12294.475	42.28	0.62	54.0	11.72	AV	96.00	100	Vertical	Pass
6	16178.775	53.22	1.96	74.0	20.78	Peak	360.00	200	Vertical	Pass
6**	16178.775	44.23	1.96	54.0	9.77	AV	360.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1480.900	37.90	-16.72	74.0	36.10	Peak	94.00	300	Horizontal	Pass
1**	1480.900	29.55	-16.72	54.0	24.45	AV	94.00	300	Horizontal	Pass
2	4130.000	47.44	-5.54	74.0	26.56	Peak	208.00	100	Horizontal	Pass
2**	4130.000	37.65	-5.54	54.0	16.35	AV	208.00	100	Horizontal	Pass
3	5753.000	96.25	-2.15	--	--	Peak	183.00	200	Horizontal	N/A
3**	5753.000	88.81	-2.15	--	--	AV	183.00	200	Horizontal	N/A
4	7739.750	52.97	0.29	74.0	21.03	Peak	134.00	300	Horizontal	Pass
4**	7739.750	43.82	0.29	54.0	10.18	AV	134.00	300	Horizontal	Pass
5	12265.500	52.29	0.93	74.0	21.71	Peak	336.00	100	Horizontal	Pass
5**	12265.500	42.48	0.93	54.0	11.52	AV	336.00	100	Horizontal	Pass
6	16087.162	53.97	1.58	74.0	20.03	Peak	166.00	300	Horizontal	Pass
6**	16087.162	43.84	1.58	54.0	10.16	AV	166.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1441.700	38.35	-16.99	74.0	35.65	Peak	284.00	100	Vertical	Pass
1**	1441.700	28.73	-16.99	54.0	25.27	AV	284.00	100	Vertical	Pass
2	4251.750	47.59	-4.28	74.0	26.41	Peak	177.00	200	Vertical	Pass
2**	4251.750	38.29	-4.28	54.0	15.71	AV	177.00	200	Vertical	Pass
3	5753.000	95.60	-2.15	--	--	Peak	293.00	100	Vertical	N/A
3**	5753.000	87.77	-2.15	--	--	AV	293.00	100	Vertical	N/A
4	7357.000	53.28	0.81	74.0	20.72	Peak	51.00	100	Vertical	Pass
4**	7357.000	44.50	0.81	54.0	9.50	AV	51.00	100	Vertical	Pass
5	11683.625	52.18	-0.79	74.0	21.82	Peak	64.00	200	Vertical	Pass
5**	11683.625	41.63	-0.79	54.0	12.37	AV	64.00	200	Vertical	Pass
6	16170.637	53.26	2.01	74.0	20.74	Peak	246.00	200	Vertical	Pass
6**	16170.637	44.57	2.01	54.0	9.43	AV	246.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1472.600	38.01	-17.16	74.0	35.99	Peak	71.00	100	Horizontal	Pass
1**	1472.600	28.16	-17.16	54.0	25.84	AV	71.00	100	Horizontal	Pass
2	4297.000	47.65	-4.70	74.0	26.35	Peak	324.00	400	Horizontal	Pass
2**	4297.000	38.18	-4.70	54.0	15.82	AV	324.00	400	Horizontal	Pass
3	5797.750	96.74	-2.23	--	--	Peak	169.00	150	Horizontal	N/A
3**	5797.750	88.70	-2.23	--	--	AV	169.00	150	Horizontal	N/A
4	7709.750	53.37	1.76	74.0	20.63	Peak	169.00	200	Horizontal	Pass
4**	7709.750	43.69	1.76	54.0	10.31	AV	169.00	200	Horizontal	Pass
5	11786.225	52.53	-0.16	74.0	21.47	Peak	81.00	200	Horizontal	Pass
5**	11786.225	43.63	-0.16	54.0	10.37	AV	81.00	200	Horizontal	Pass
6	16169.850	53.40	2.02	74.0	20.60	Peak	176.00	300	Horizontal	Pass
6**	16169.850	46.36	2.02	54.0	7.64	AV	176.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1581.400	38.54	-16.89	74.0	35.46	Peak	122.00	400	Vertical	Pass
1**	1581.400	29.32	-16.89	54.0	24.68	AV	122.00	400	Vertical	Pass
2	4308.250	47.34	-5.45	74.0	26.66	Peak	337.00	400	Vertical	Pass
2**	4308.250	38.35	-5.45	54.0	15.65	AV	337.00	400	Vertical	Pass
3	5797.500	95.89	-2.30	--	--	Peak	312.00	100	Vertical	N/A
3**	5797.500	88.50	-2.30	--	--	AV	312.00	100	Vertical	N/A
4	7641.250	53.58	0.44	74.0	20.42	Peak	284.00	200	Vertical	Pass
4**	7641.250	43.55	0.44	54.0	10.45	AV	284.00	200	Vertical	Pass
5	12543.849	52.11	1.19	74.0	21.89	Peak	89.00	200	Vertical	Pass
5**	12543.849	43.34	1.19	54.0	10.66	AV	89.00	200	Vertical	Pass
6	16160.137	54.50	2.08	74.0	19.50	Peak	360.00	400	Vertical	Pass
6**	16160.137	44.41	2.08	54.0	9.59	AV	360.00	400	Vertical	Pass



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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1573.600	38.47	-17.01	74.0	35.53	Peak	360.00	100	Horizontal	Pass
1**	1573.600	28.22	-17.01	54.0	25.78	AV	360.00	100	Horizontal	Pass
2	4351.250	47.14	-4.39	74.0	26.86	Peak	164.00	300	Horizontal	Pass
2**	4351.250	39.08	-4.39	54.0	14.92	AV	164.00	300	Horizontal	Pass
3	5767.750	93.34	-2.36	--	--	Peak	164.00	100	Horizontal	N/A
3**	5767.750	87.00	-2.36	--	--	AV	164.00	100	Horizontal	N/A
4	7461.250	53.19	0.03	74.0	20.81	Peak	164.00	400	Horizontal	Pass
4**	7461.250	42.87	0.03	54.0	11.13	AV	164.00	400	Horizontal	Pass
5	11778.150	52.83	-0.17	74.0	21.17	Peak	0.00	100	Horizontal	Pass
5**	11778.150	43.31	-0.17	54.0	10.69	AV	0.00	100	Horizontal	Pass
6	16186.912	53.65	1.90	74.0	20.35	Peak	152.00	100	Horizontal	Pass
6**	16186.912	43.29	1.90	54.0	10.71	AV	152.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1472.300	38.92	-17.12	74.0	35.08	Peak	281.00	300	Vertical	Pass
1**	1472.300	28.62	-17.12	54.0	25.38	AV	281.00	300	Vertical	Pass
2	4285.750	48.46	-4.37	74.0	25.54	Peak	116.00	400	Vertical	Pass
2**	4285.750	38.82	-4.37	54.0	15.18	AV	116.00	400	Vertical	Pass
3	5768.500	93.26	-2.26	--	--	Peak	301.00	200	Vertical	N/A
3**	5768.500	85.07	-2.26	--	--	AV	301.00	200	Vertical	N/A
4	7307.500	52.97	0.18	74.0	21.03	Peak	223.00	200	Vertical	Pass
4**	7307.500	43.80	0.18	54.0	10.20	AV	223.00	200	Vertical	Pass
5	11758.200	52.12	-0.19	74.0	21.88	Peak	115.00	150	Vertical	Pass
5**	11758.200	42.80	-0.19	54.0	11.20	AV	115.00	150	Vertical	Pass
6	16172.213	52.81	2.00	74.0	21.19	Peak	130.00	300	Vertical	Pass
6**	16172.213	44.07	2.00	54.0	9.93	AV	130.00	300	Vertical	Pass

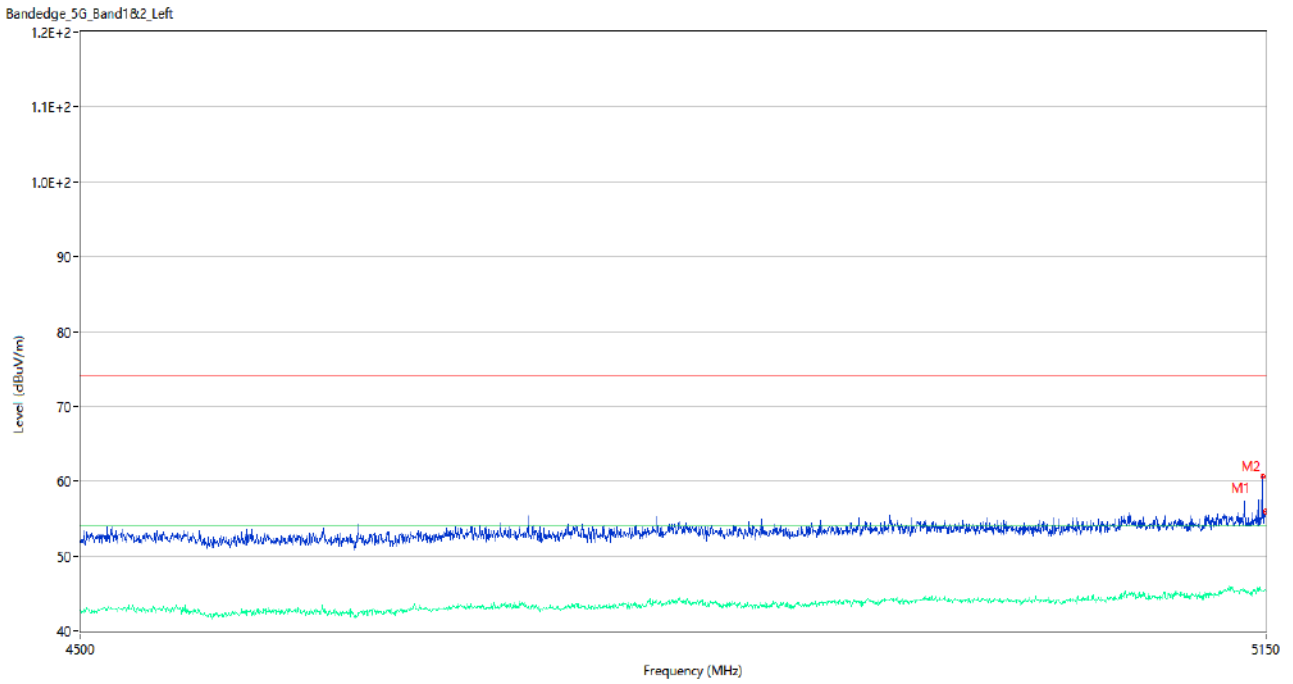
## A.6.2 Band Edge (Restricted-band)

Test Band	Mode	Channel	Verdict
U-NII-1	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass
802.11ac(VHT80)	Middle	Pass	
U-NII-2A	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass
802.11ac(VHT80)	Middle	Pass	
U-NII-2C	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass
802.11ac(VHT80)	Low	Pass	
	High	Pass	
	High	Pass	
U-NII-3	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	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

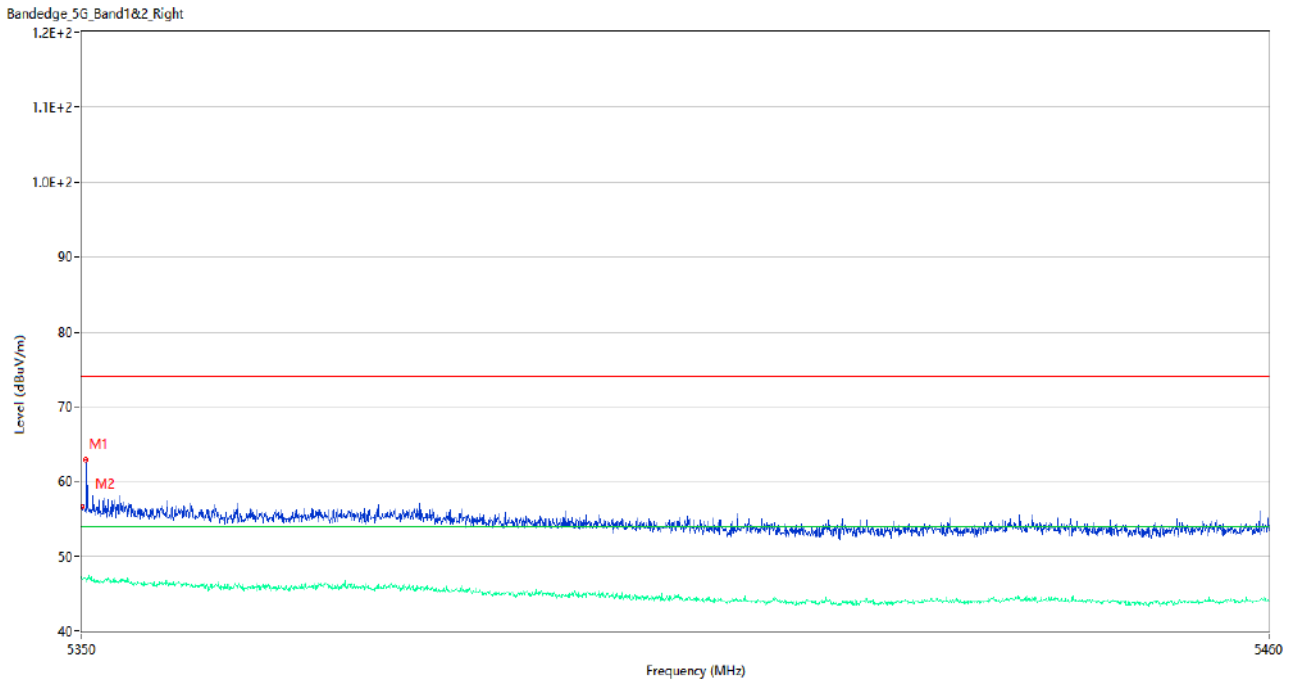
Test Data and Plots

U-NII-1 11a Low Channel



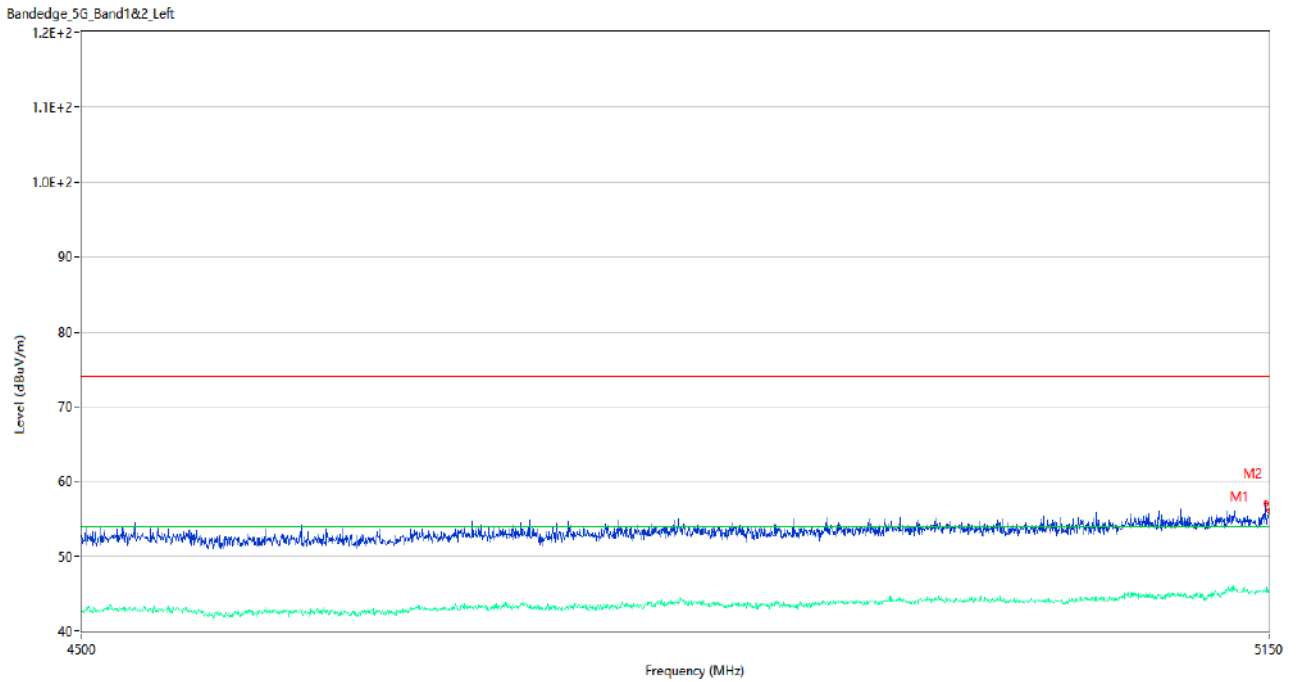
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5148.050	60.65	2.77	74.0	13.35	Peak	149.00	100	Horizontal	Pass
1**	5148.050	45.36	2.77	54.0	8.64	AV	149.00	100	Horizontal	Pass
2	5150.000	56.01	2.86	74.0	17.99	Peak	158.00	200	Horizontal	Pass
2**	5150.000	45.40	2.86	54.0	8.60	AV	158.00	200	Horizontal	Pass

U-NII-1 11a High Channel



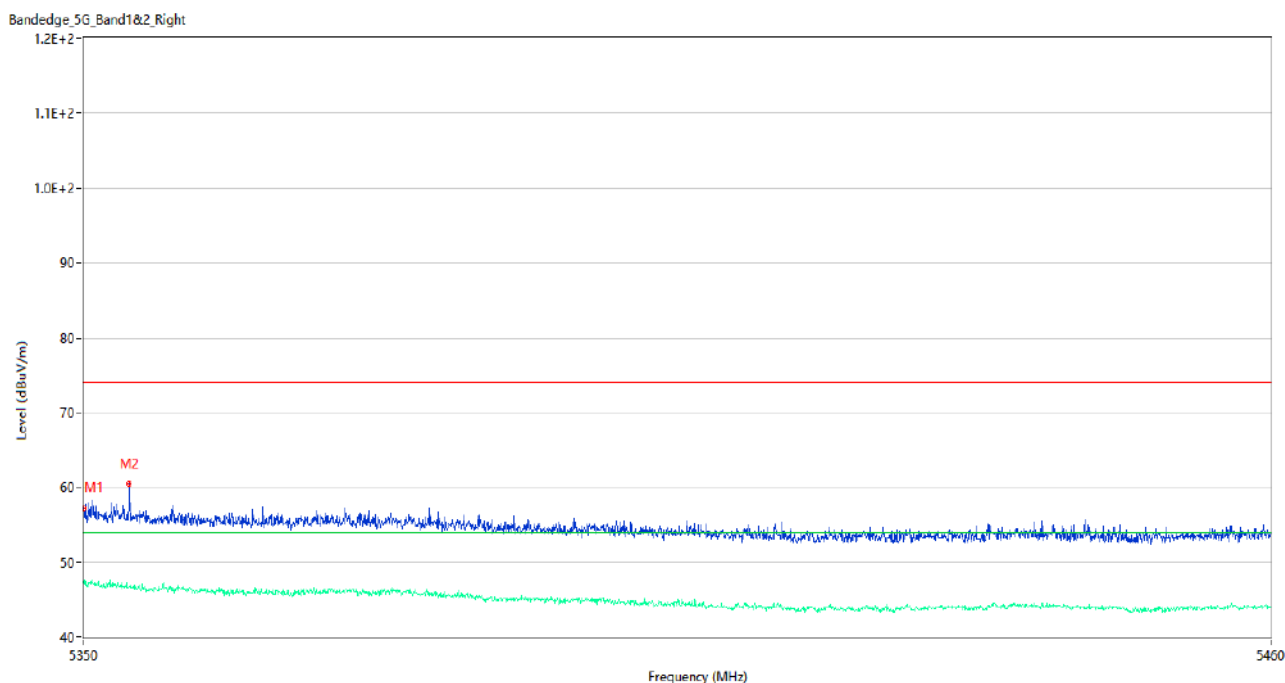
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.56	3.32	74.0	17.44	Peak	188.00	150	Horizontal	Pass
1**	5350.000	47.21	3.32	54.0	6.79	AV	188.00	150	Horizontal	Pass
2	5350.385	62.86	3.15	74.0	11.14	Peak	115.00	150	Horizontal	Pass
2**	5350.385	46.99	3.15	54.0	7.01	AV	115.00	150	Horizontal	Pass

U-NII-1 11n20 Low Channel



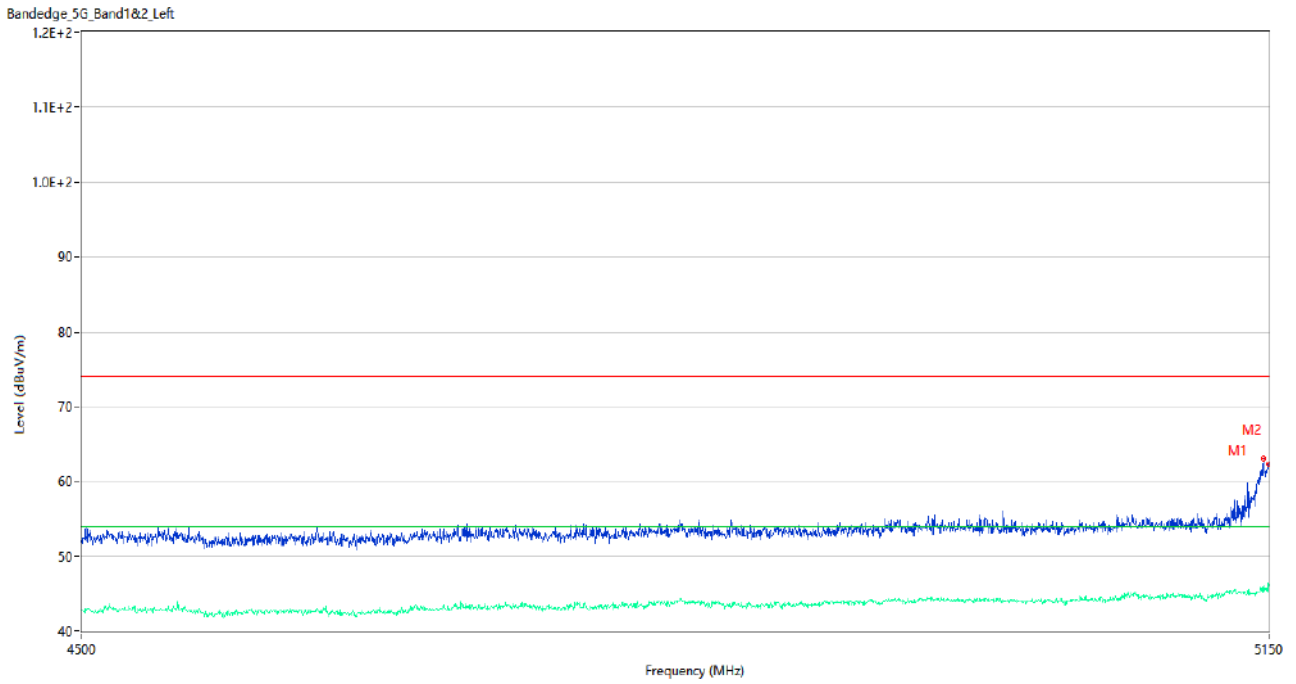
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5148.050	56.96	2.77	74.0	17.04	Peak	139.00	100	Horizontal	Pass
1**	5148.050	45.39	2.77	54.0	8.61	AV	139.00	100	Horizontal	Pass
2	5150.000	56.13	2.86	74.0	17.87	Peak	180.00	100	Horizontal	Pass
2**	5150.000	45.31	2.86	54.0	8.69	AV	180.00	100	Horizontal	Pass

U-NII-1 11n20 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	57.13	3.32	74.0	16.87	Peak	159.00	150	Horizontal	Pass
1**	5350.000	47.28	3.32	54.0	6.72	AV	159.00	150	Horizontal	Pass
2	5354.180	60.48	3.11	74.0	13.52	Peak	159.00	150	Horizontal	Pass
2**	5354.180	46.78	3.11	54.0	7.22	AV	159.00	150	Horizontal	Pass

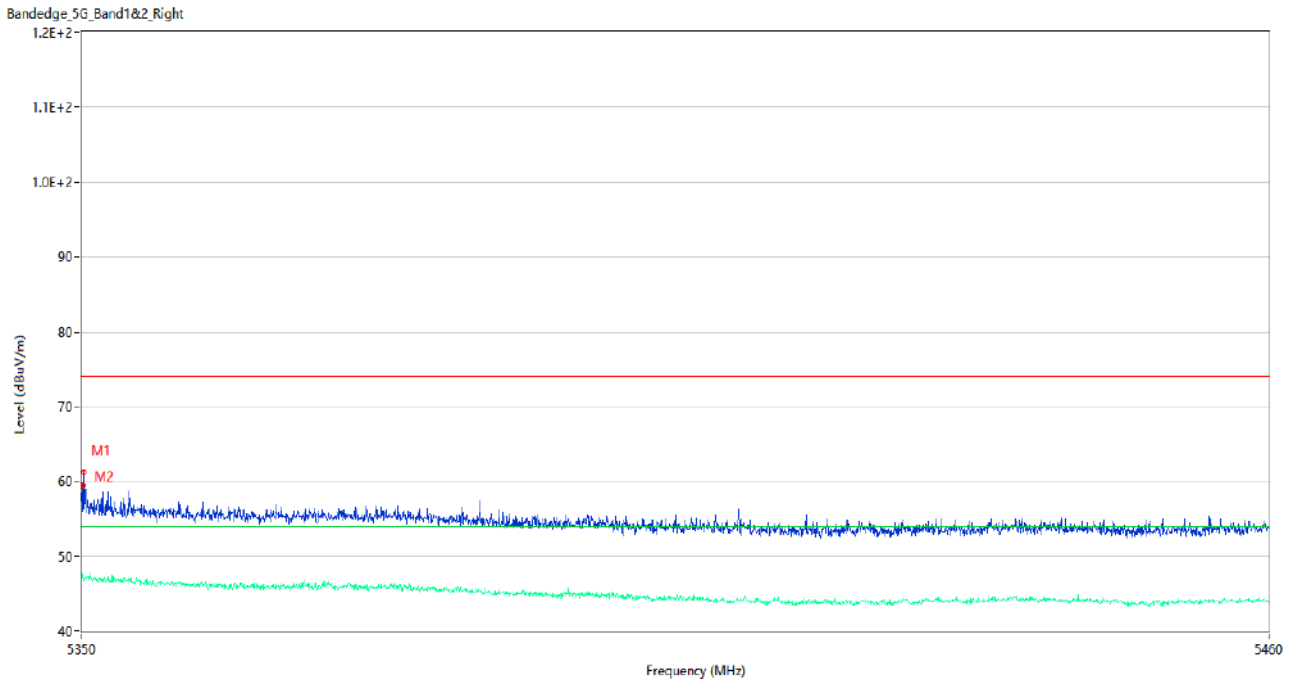
U-NII-1 11n40 Low Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5147.075	62.99	3.00	74.0	11.01	Peak	156.00	100	Horizontal	Pass
1**	5147.075	45.56	3.00	54.0	8.44	AV	156.00	100	Horizontal	Pass
2	5150.000	62.29	2.86	74.0	11.71	Peak	164.00	100	Horizontal	Pass
2**	5150.000	46.03	2.86	54.0	7.97	AV	164.00	100	Horizontal	Pass

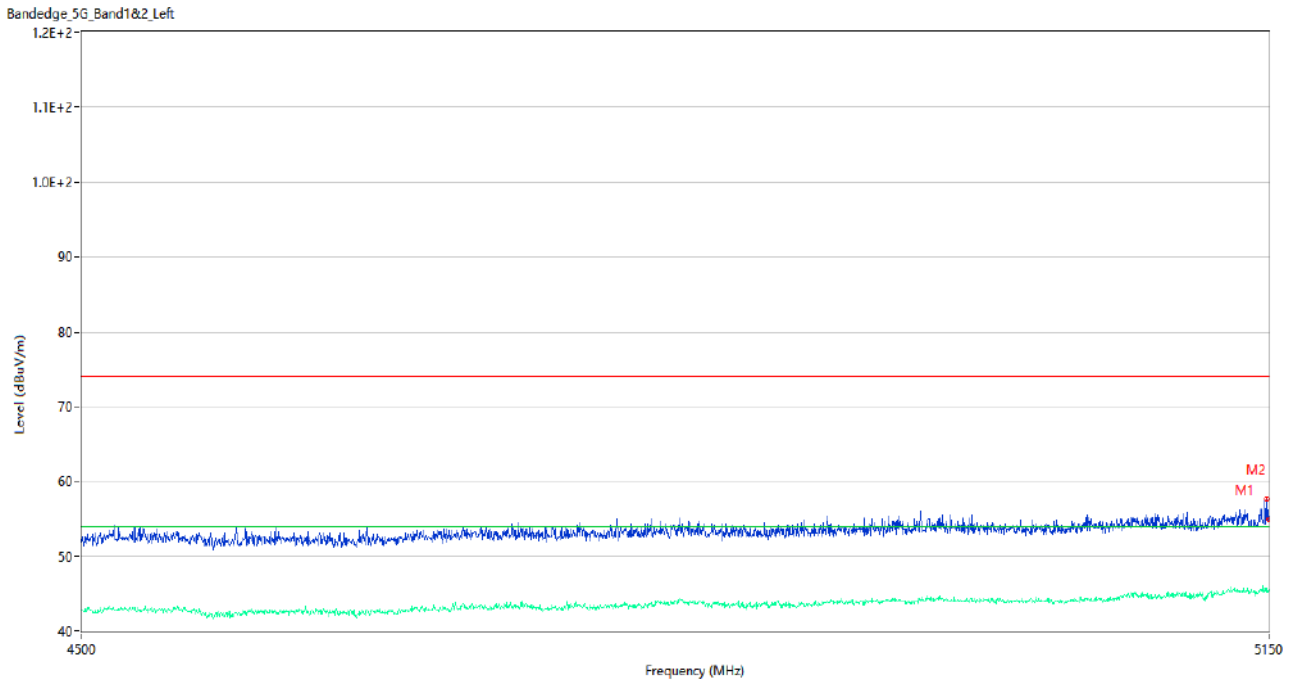


U-NII-1 11n40 High Channel



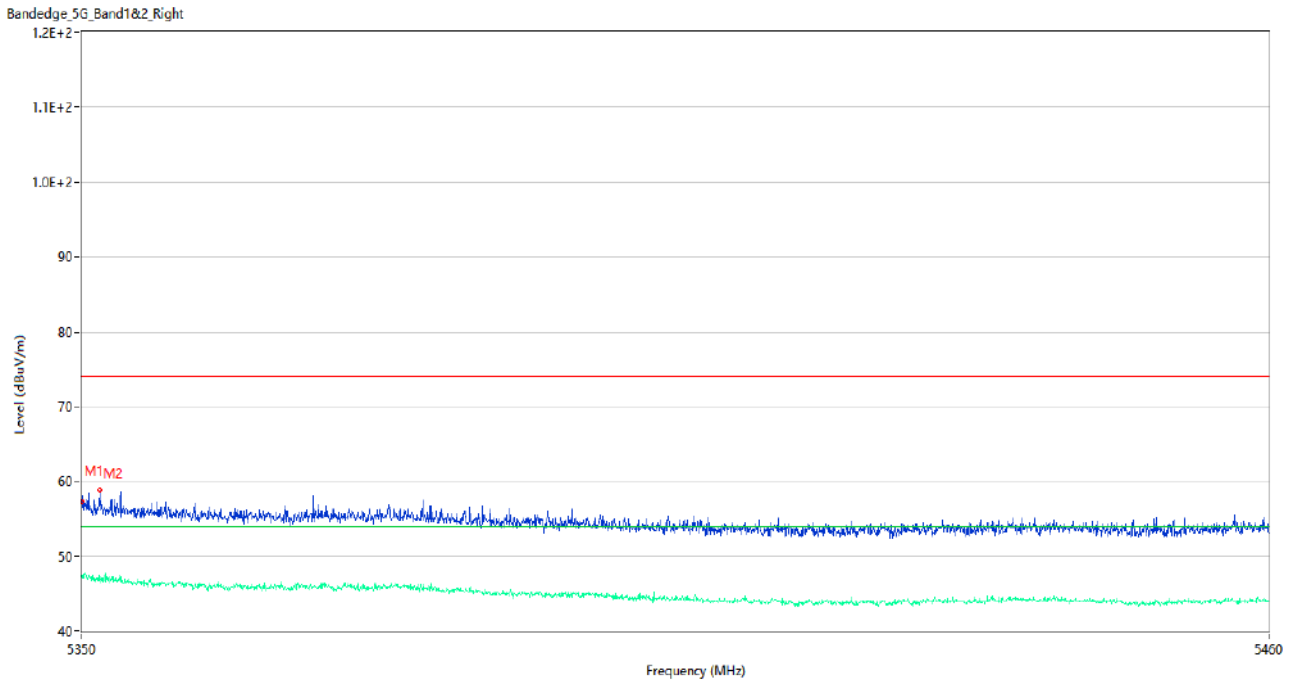
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	59.37	3.30	74.0	14.63	Peak	152.00	150	Horizontal	Pass
1**	5350.055	47.33	3.30	54.0	6.67	AV	152.00	150	Horizontal	Pass
2	5350.220	61.23	3.22	74.0	12.77	Peak	162.00	150	Horizontal	Pass
2**	5350.220	46.99	3.22	54.0	7.01	AV	162.00	150	Horizontal	Pass

U-NII-1 11ac20 Low Channel



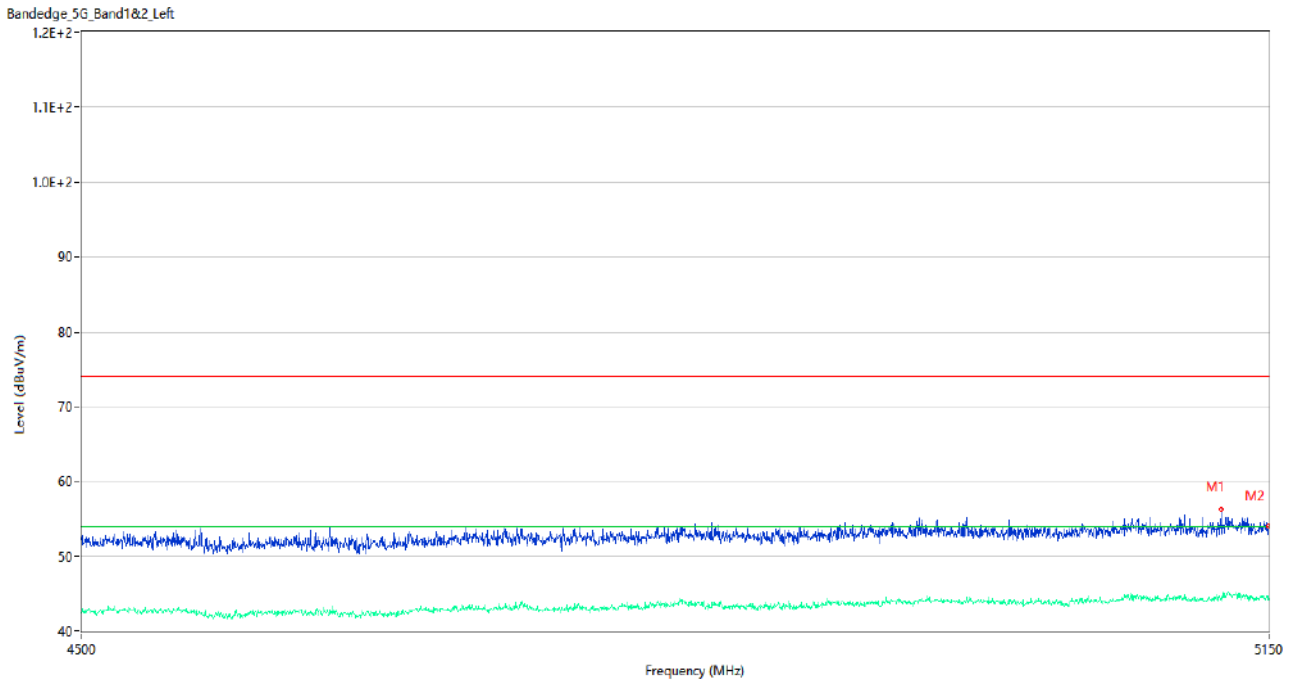
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5148.700	57.60	2.84	74.0	16.40	Peak	159.00	100	Horizontal	Pass
1**	5148.700	45.19	2.84	54.0	8.81	AV	159.00	100	Horizontal	Pass
2	5150.000	54.91	2.86	74.0	19.09	Peak	106.00	200	Horizontal	Pass
2**	5150.000	45.54	2.86	54.0	8.46	AV	106.00	200	Horizontal	Pass

U-NII-1 11ac20 High Channel



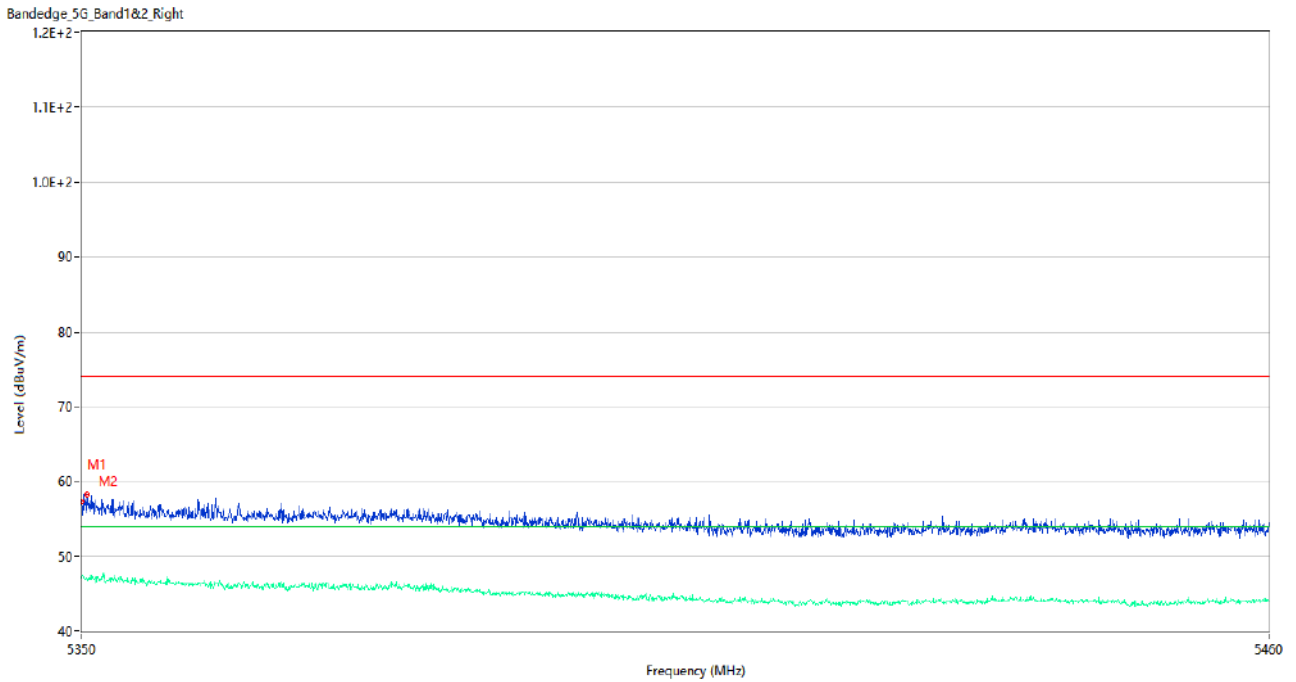
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	57.32	3.32	74.0	16.68	Peak	52.00	150	Horizontal	Pass
1**	5350.000	47.37	3.32	54.0	6.63	AV	52.00	150	Horizontal	Pass
2	5351.650	58.82	3.07	74.0	15.18	Peak	151.00	100	Horizontal	Pass
2**	5351.650	46.48	3.07	54.0	7.52	AV	151.00	100	Horizontal	Pass

U-NII-1 11ac40 Low Channel



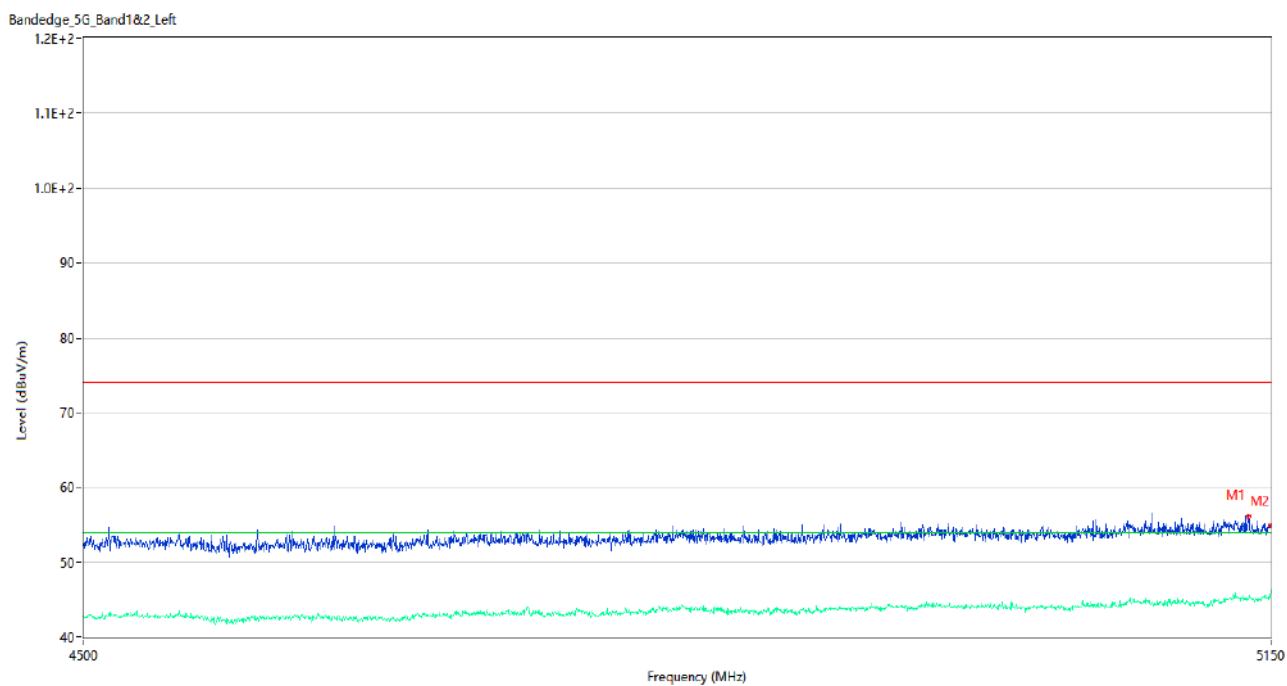
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5122.050	56.30	2.73	74.0	17.70	Peak	300.00	150	Horizontal	Pass
1**	5122.050	44.06	2.73	54.0	9.94	AV	300.00	150	Horizontal	Pass
2	5150.000	54.02	2.86	74.0	19.98	Peak	347.00	200	Horizontal	Pass
2**	5150.000	44.22	2.86	54.0	9.78	AV	347.00	200	Horizontal	Pass

U-NII-1 11ac40 High Channel



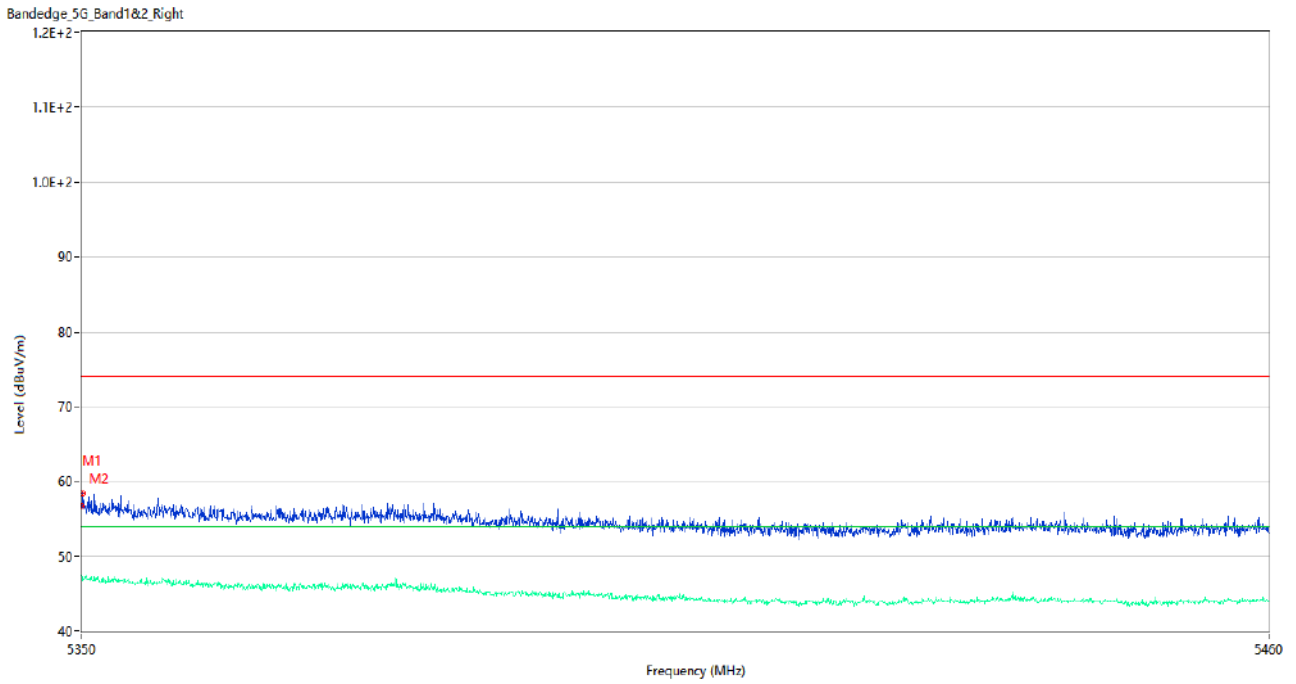
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	57.33	3.32	74.0	16.67	Peak	98.00	100	Horizontal	Pass
1**	5350.000	47.10	3.32	54.0	6.90	AV	98.00	100	Horizontal	Pass
2	5350.440	58.21	3.12	74.0	15.79	Peak	164.00	150	Horizontal	Pass
2**	5350.440	47.08	3.12	54.0	6.92	AV	164.00	150	Horizontal	Pass

U-NII-1 11ac80 Middle Channel



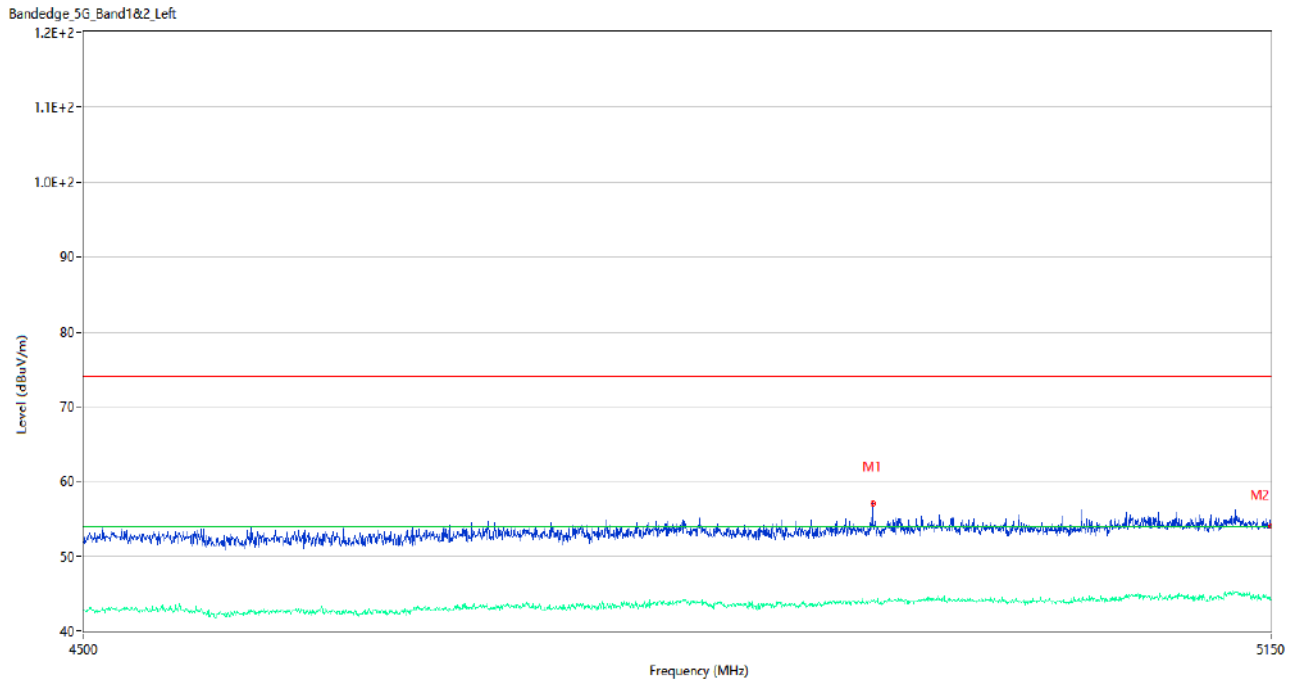
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5137.000	56.19	2.99	74.0	17.81	Peak	109.00	100	Horizontal	Pass
1**	5137.000	45.01	2.99	54.0	8.99	AV	109.00	100	Horizontal	Pass
2	5150.000	54.94	2.86	74.0	19.06	Peak	147.00	150	Horizontal	Pass
2**	5150.000	46.27	2.86	54.0	7.73	AV	147.00	150	Horizontal	Pass

U-NII-1 11ac80 Middle Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.73	3.32	74.0	17.27	Peak	263.00	100	Horizontal	Pass
1**	5350.000	47.31	3.32	54.0	6.69	AV	263.00	100	Horizontal	Pass
2	5350.110	58.39	3.27	74.0	15.61	Peak	154.00	100	Horizontal	Pass
2**	5350.110	46.80	3.27	54.0	7.20	AV	154.00	100	Horizontal	Pass

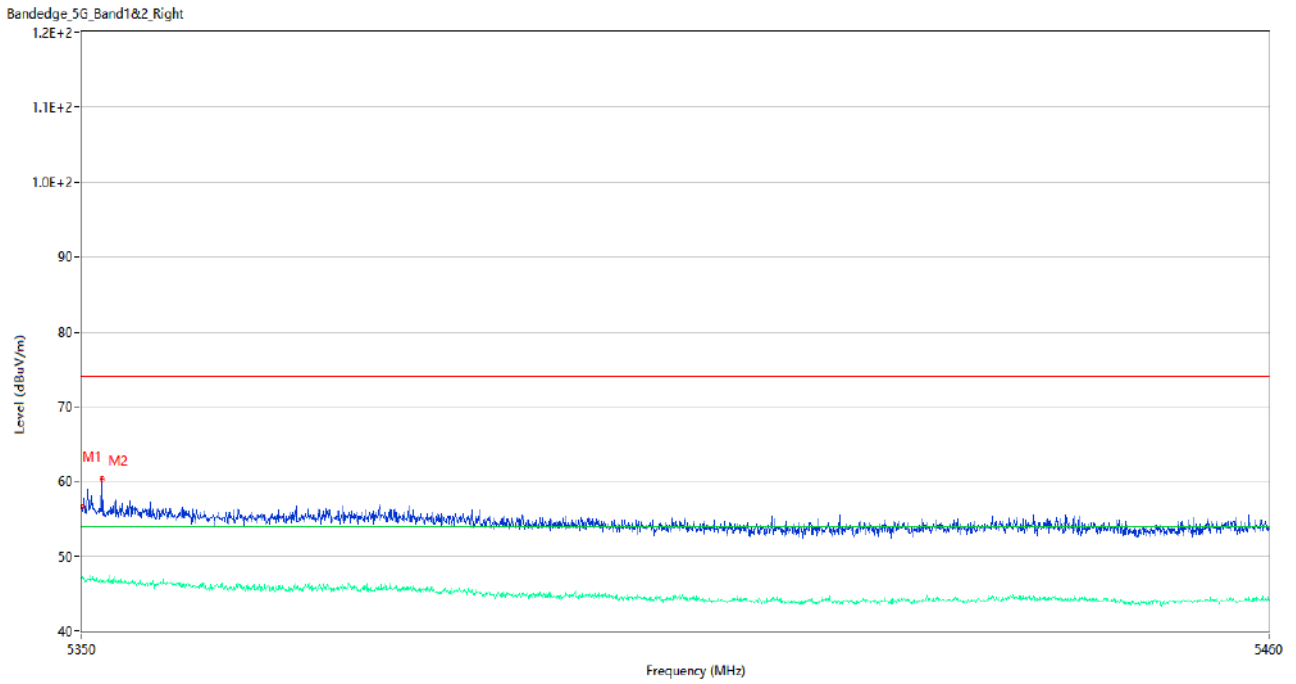
U-NII-2A 11a Low Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	4922.175	56.98	2.41	74.0	17.02	Peak	129.00	200	Horizontal	Pass
1**	4922.175	43.85	2.41	54.0	10.15	AV	129.00	200	Horizontal	Pass
2	5150.000	54.03	2.86	74.0	19.97	Peak	229.00	150	Horizontal	Pass
2**	5150.000	44.23	2.86	54.0	9.77	AV	229.00	150	Horizontal	Pass

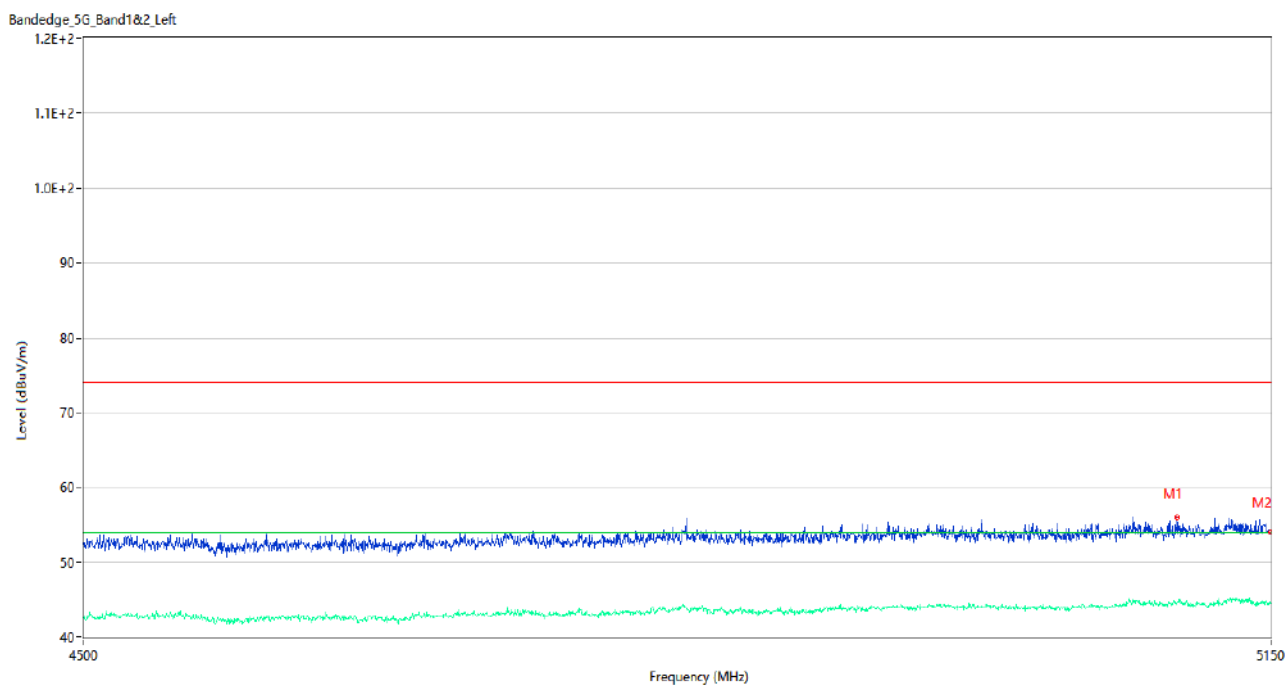


U-NII-2A 11a High Channel



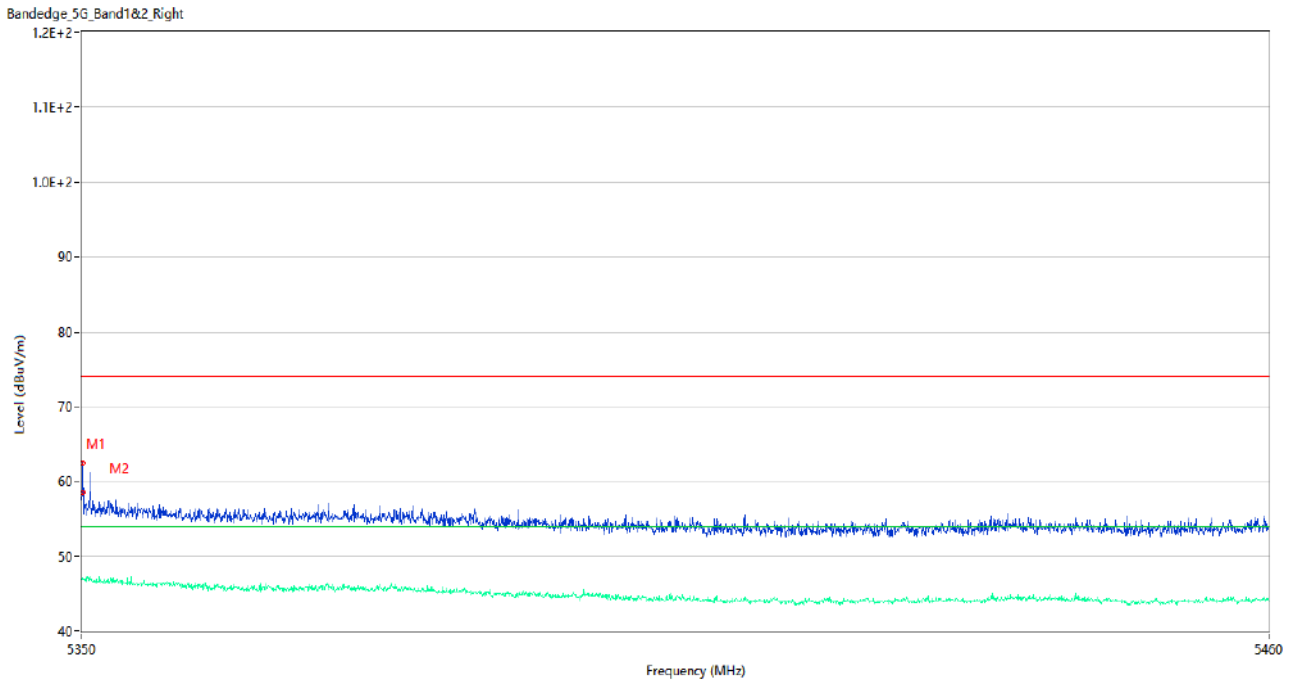
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.62	3.32	74.0	17.38	Peak	23.00	200	Horizontal	Pass
1**	5350.000	47.02	3.32	54.0	6.98	AV	23.00	200	Horizontal	Pass
2	5351.815	60.41	3.07	74.0	13.59	Peak	150.00	200	Horizontal	Pass
2**	5351.815	46.66	3.07	54.0	7.34	AV	150.00	200	Horizontal	Pass

U-NII-2A 11n20 Low Channel



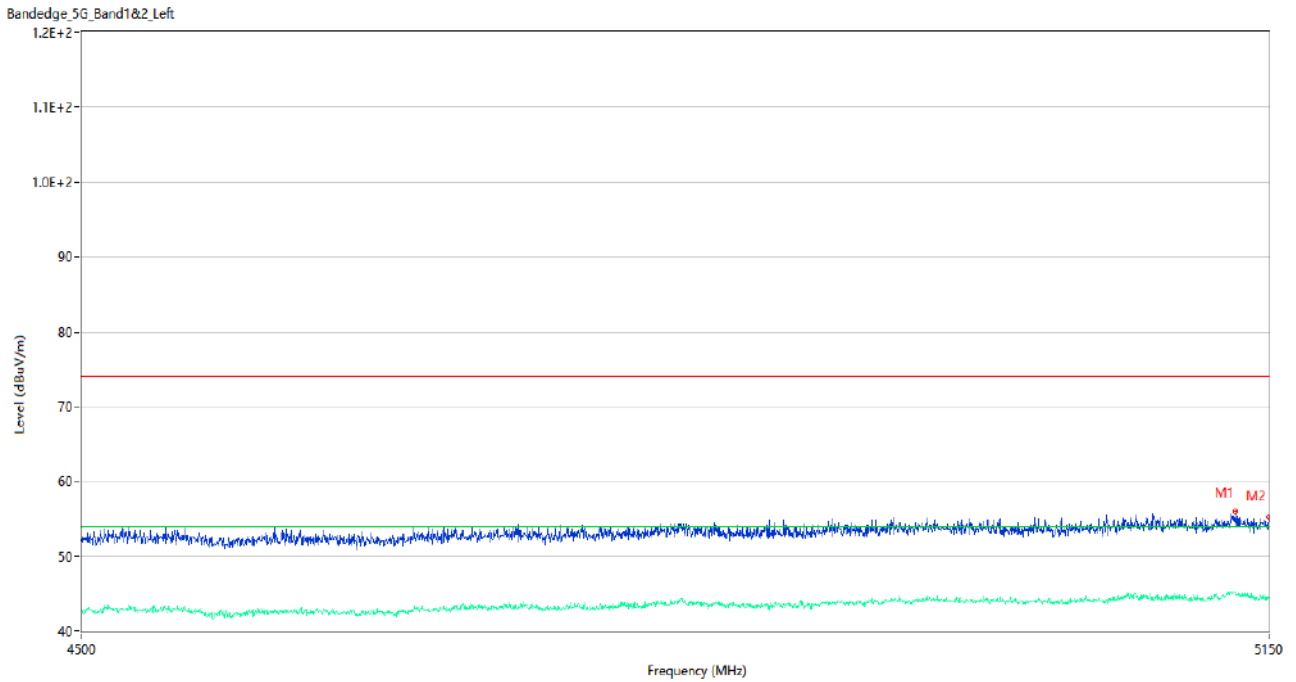
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5095.400	55.99	2.70	74.0	18.01	Peak	360.00	200	Horizontal	Pass
1**	5095.400	44.39	2.70	54.0	9.61	AV	360.00	200	Horizontal	Pass
2	5150.000	54.02	2.86	74.0	19.98	Peak	345.00	100	Horizontal	Pass
2**	5150.000	44.46	2.86	54.0	9.54	AV	345.00	100	Horizontal	Pass

U-NII-2A 11n20 High Channel



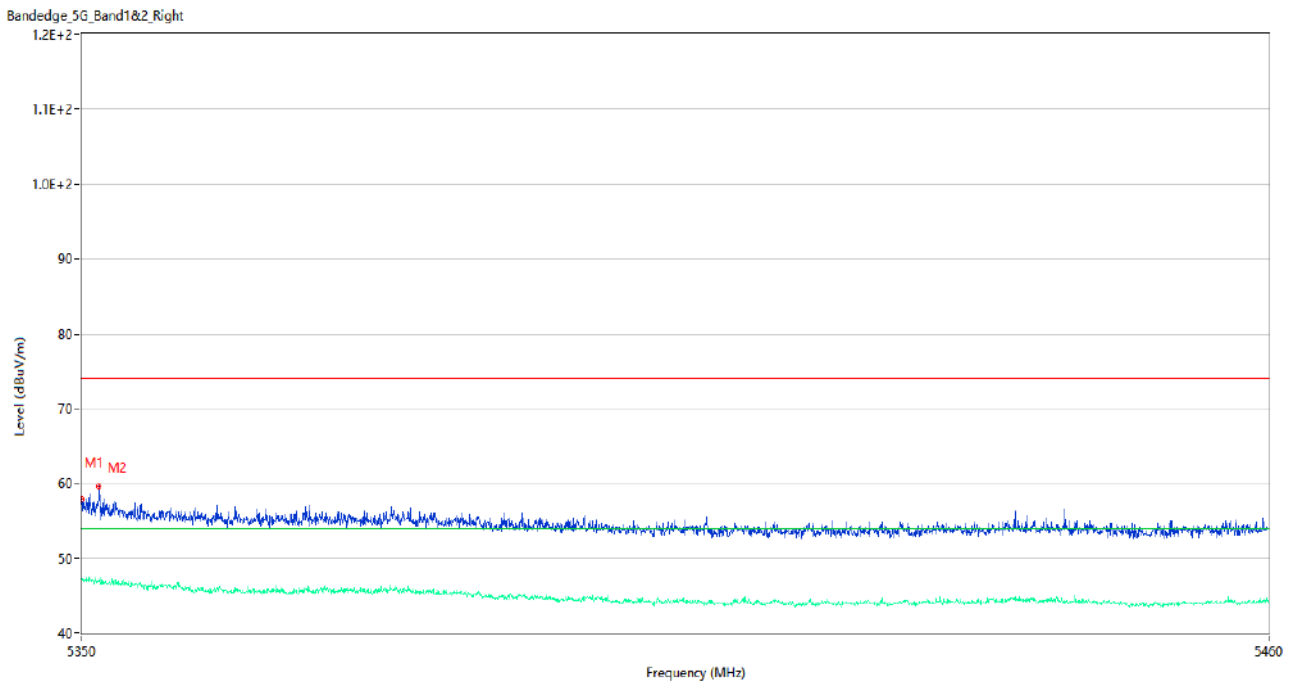
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	58.46	3.30	74.0	15.54	Peak	135.00	200	Horizontal	Pass
1**	5350.055	46.89	3.30	54.0	7.11	AV	135.00	200	Horizontal	Pass
2	5350.110	62.49	3.27	74.0	11.51	Peak	164.00	150	Horizontal	Pass
2**	5350.110	47.15	3.27	54.0	6.85	AV	164.00	150	Horizontal	Pass

U-NII-2A 11n40 Low Channel



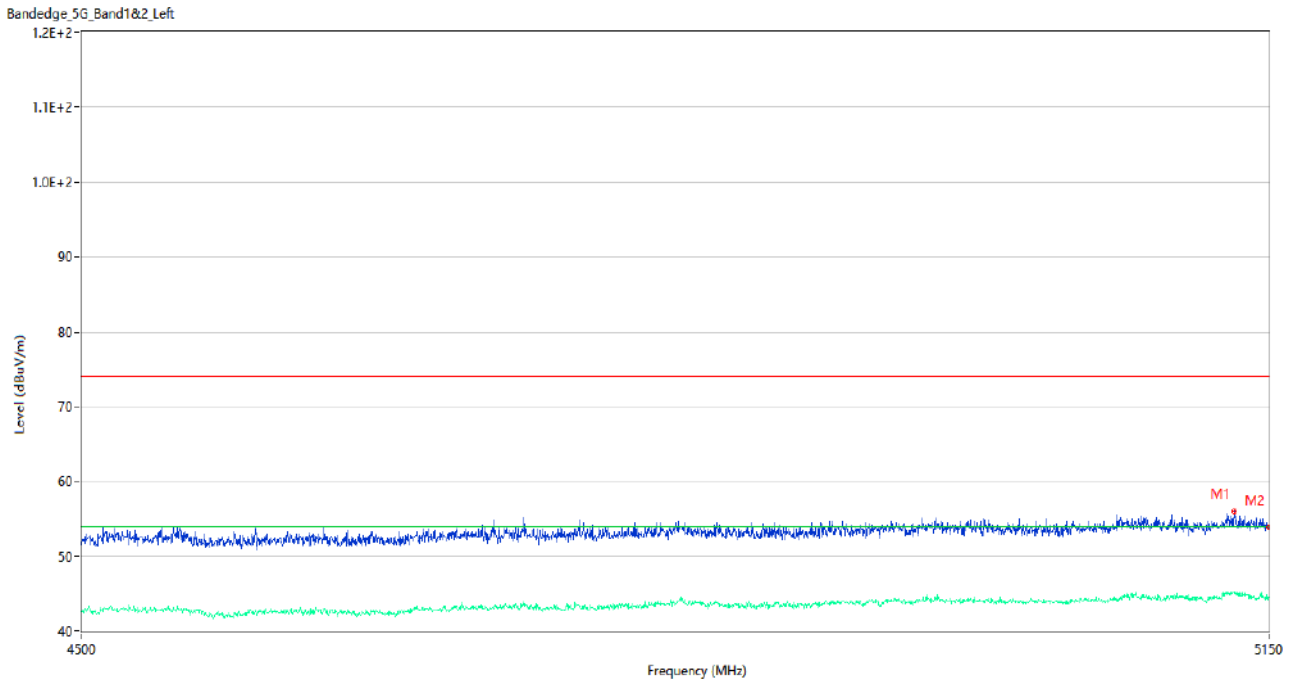
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5130.500	55.91	3.37	74.0	18.09	Peak	84.00	150	Horizontal	Pass
1**	5130.500	45.25	3.37	54.0	8.75	AV	84.00	150	Horizontal	Pass
2	5150.000	55.14	2.86	74.0	18.86	Peak	148.00	200	Horizontal	Pass
2**	5150.000	44.55	2.86	54.0	9.45	AV	148.00	200	Horizontal	Pass

U-NII-2A 11n40 High Channel



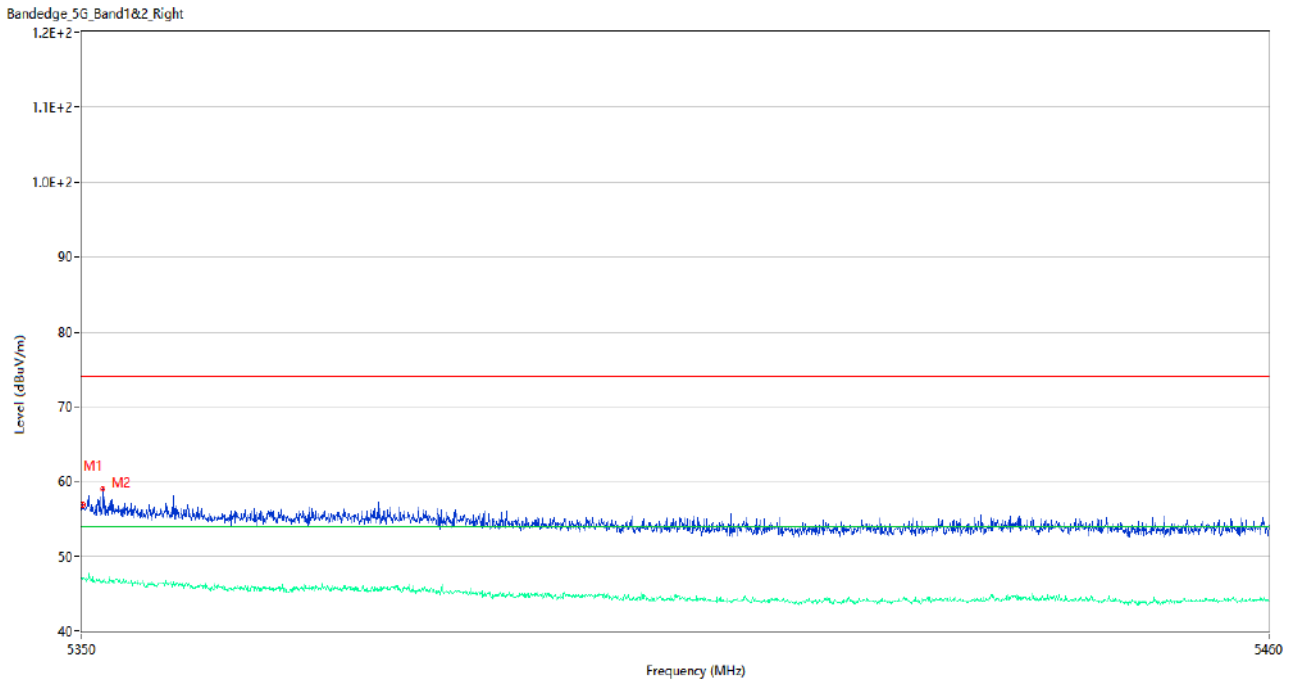
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	57.98	3.32	74.0	16.02	Peak	159.00	200	Horizontal	Pass
1**	5350.000	47.26	3.32	54.0	6.74	AV	159.00	200	Horizontal	Pass
2	5351.595	59.57	3.07	74.0	14.43	Peak	147.00	200	Horizontal	Pass
2**	5351.595	46.97	3.07	54.0	7.03	AV	147.00	200	Horizontal	Pass

U-NII-2A 11ac20 Low Channel



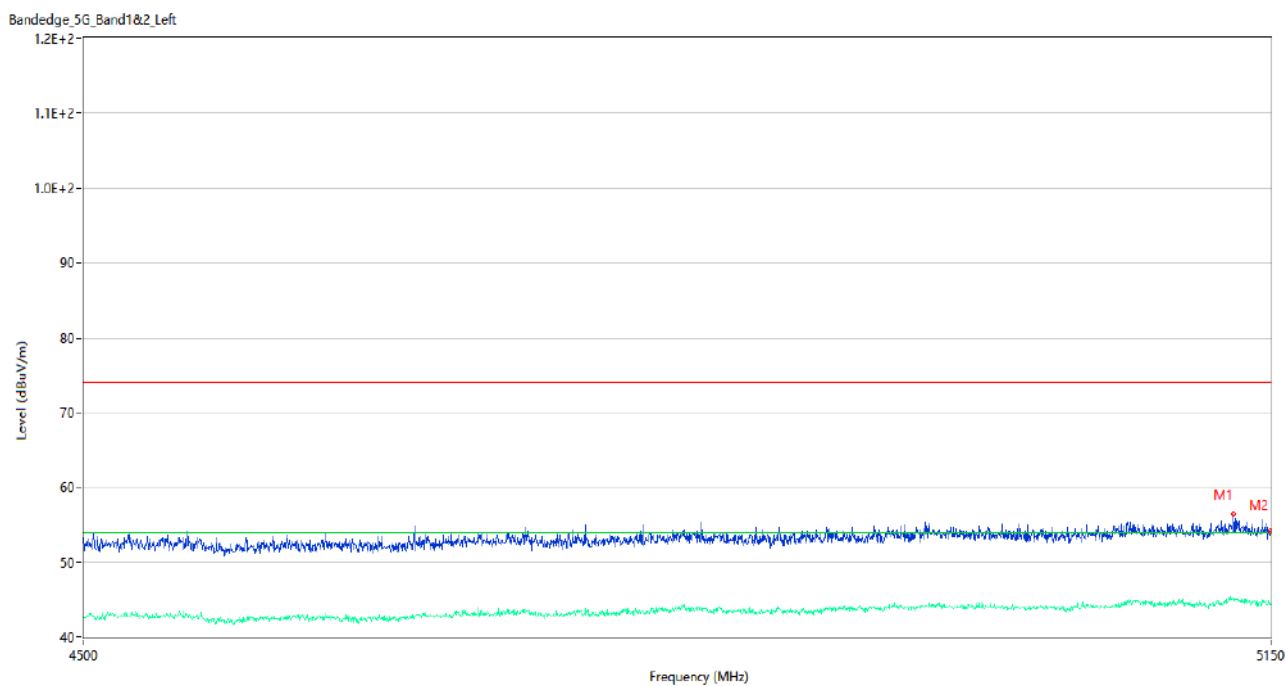
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5129.850	55.94	3.47	74.0	18.06	Peak	241.00	100	Horizontal	Pass
1**	5129.850	45.23	3.47	54.0	8.77	AV	241.00	100	Horizontal	Pass
2	5150.000	53.92	2.86	74.0	20.08	Peak	170.00	150	Horizontal	Pass
2**	5150.000	44.45	2.86	54.0	9.55	AV	170.00	150	Horizontal	Pass

U-NII-2A 11ac20 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	56.88	3.30	74.0	17.12	Peak	157.00	200	Horizontal	Pass
1**	5350.055	46.98	3.30	54.0	7.02	AV	157.00	200	Horizontal	Pass
2	5351.980	59.03	3.08	74.0	14.97	Peak	161.00	100	Horizontal	Pass
2**	5351.980	46.62	3.08	54.0	7.38	AV	161.00	100	Horizontal	Pass

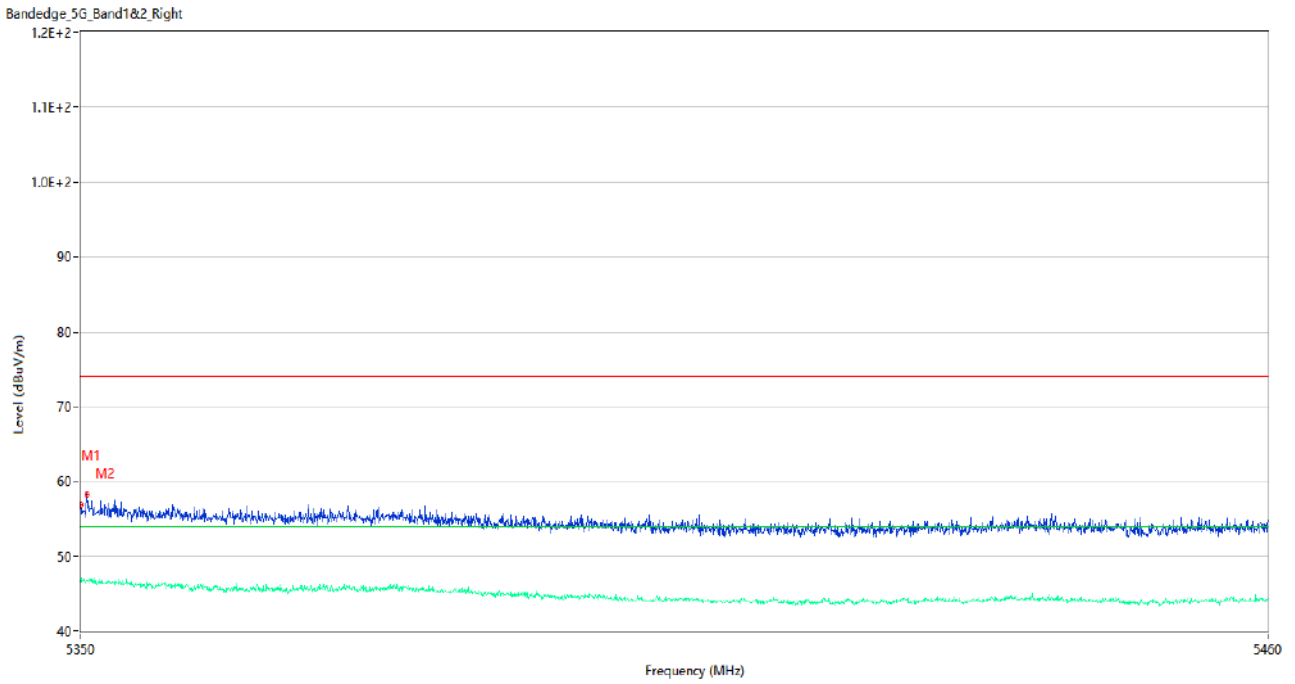
U-NII-2A 11ac40 Low Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5128.225	56.47	3.51	74.0	17.53	Peak	176.00	100	Horizontal	Pass
1**	5128.225	45.17	3.51	54.0	8.83	AV	176.00	100	Horizontal	Pass
2	5150.000	54.22	2.86	74.0	19.78	Peak	113.00	150	Horizontal	Pass
2**	5150.000	44.33	2.86	54.0	9.67	AV	113.00	150	Horizontal	Pass

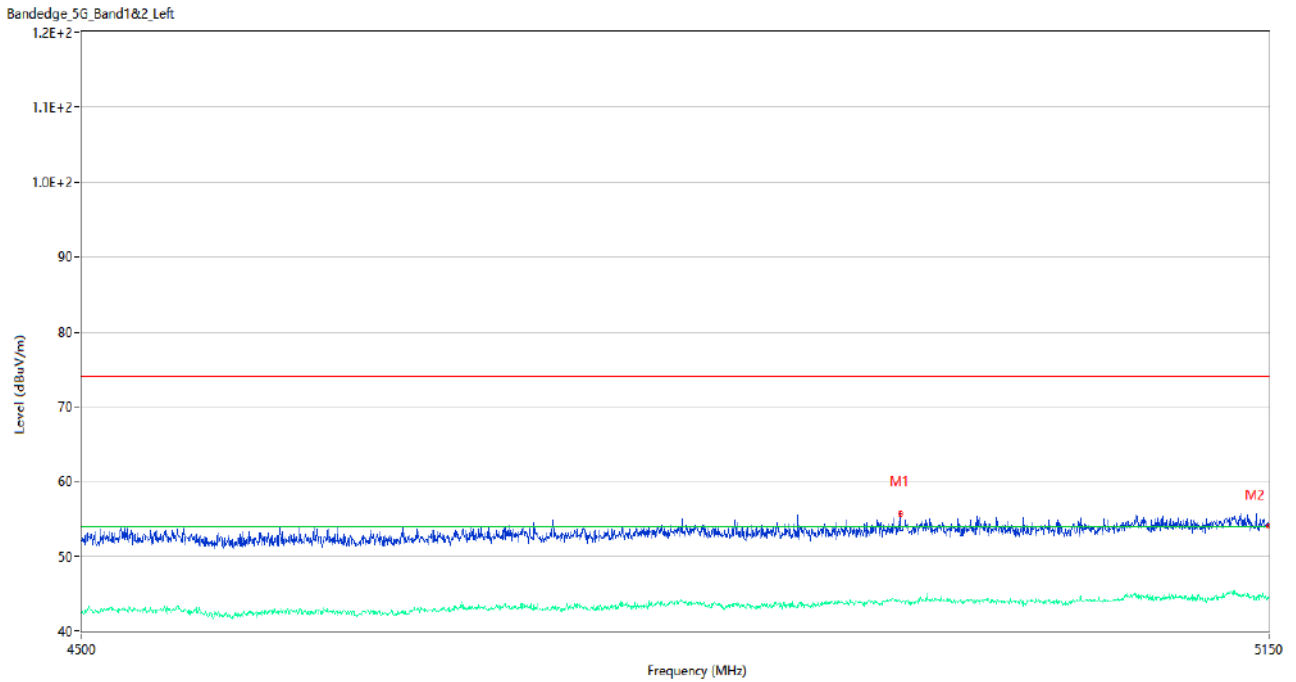


U-NII-2A 11ac40 High Channel



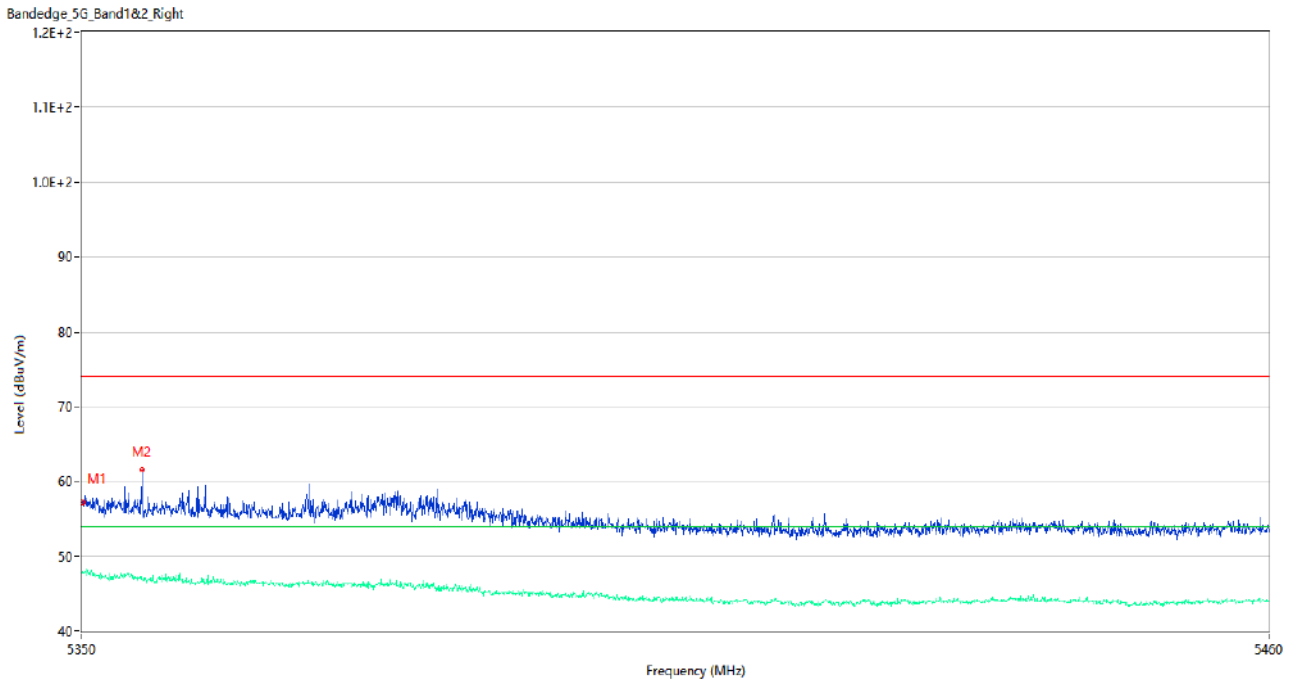
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.93	3.32	74.0	17.07	Peak	184.00	150	Horizontal	Pass
1**	5350.000	46.69	3.32	54.0	7.31	AV	184.00	150	Horizontal	Pass
2	5350.550	58.24	3.16	74.0	15.76	Peak	159.00	150	Horizontal	Pass
2**	5350.550	46.83	3.16	54.0	7.17	AV	159.00	150	Horizontal	Pass

U-NII-2A 11ac80 Middle Channel



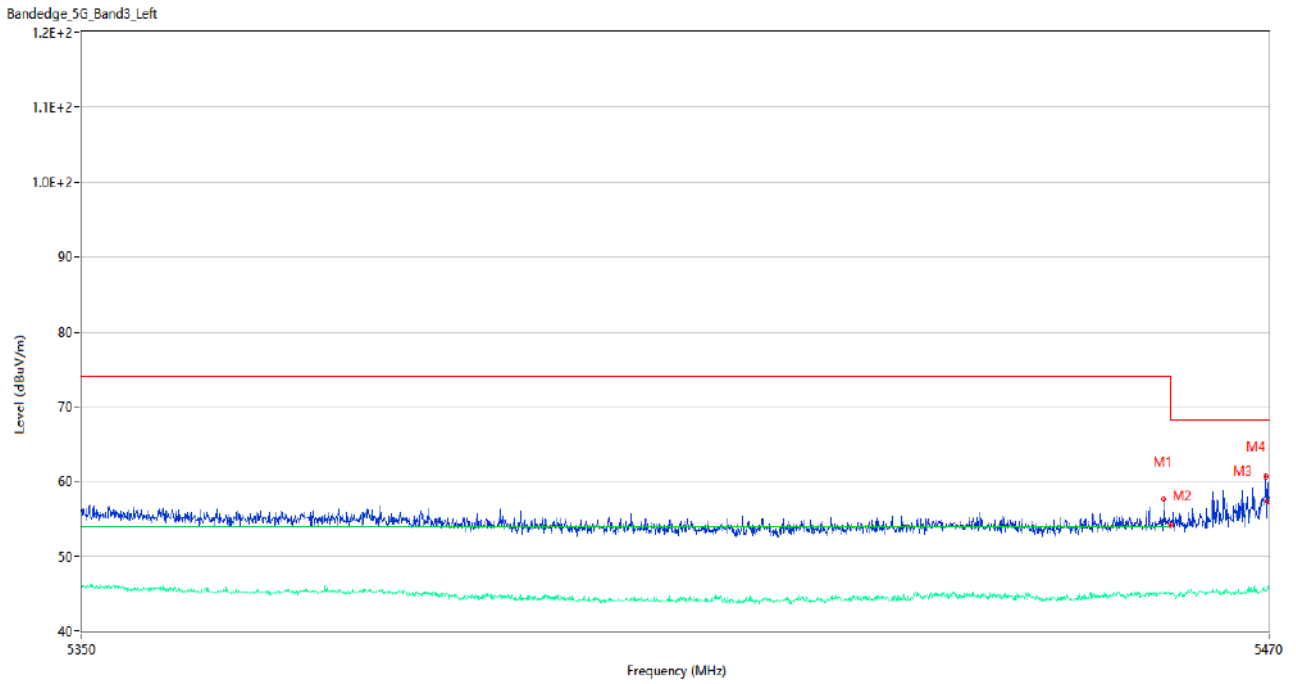
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	4938.750	55.74	2.44	74.0	18.26	Peak	96.00	200	Horizontal	Pass
1**	4938.750	43.99	2.44	54.0	10.01	AV	96.00	200	Horizontal	Pass
2	5150.000	54.04	2.86	74.0	19.96	Peak	296.00	100	Horizontal	Pass
2**	5150.000	44.46	2.86	54.0	9.54	AV	296.00	100	Horizontal	Pass

U-NII-2A 11ac80 Middle Channel



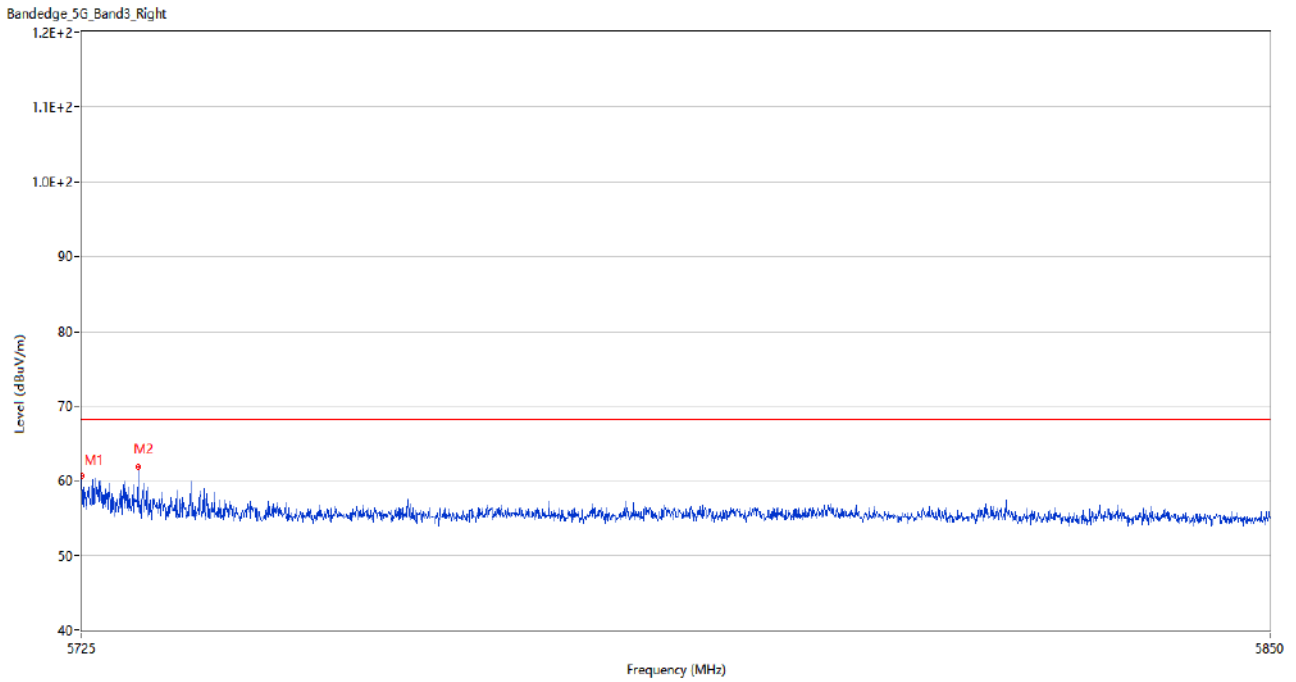
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	57.23	3.30	74.0	16.77	Peak	120.00	100	Horizontal	Pass
1**	5350.055	47.62	3.30	54.0	6.38	AV	120.00	100	Horizontal	Pass
2	5355.555	61.50	2.95	74.0	12.50	Peak	149.00	150	Horizontal	Pass
2**	5355.555	46.79	2.95	54.0	7.21	AV	149.00	150	Horizontal	Pass

U-NII-2C 11a Low Channel



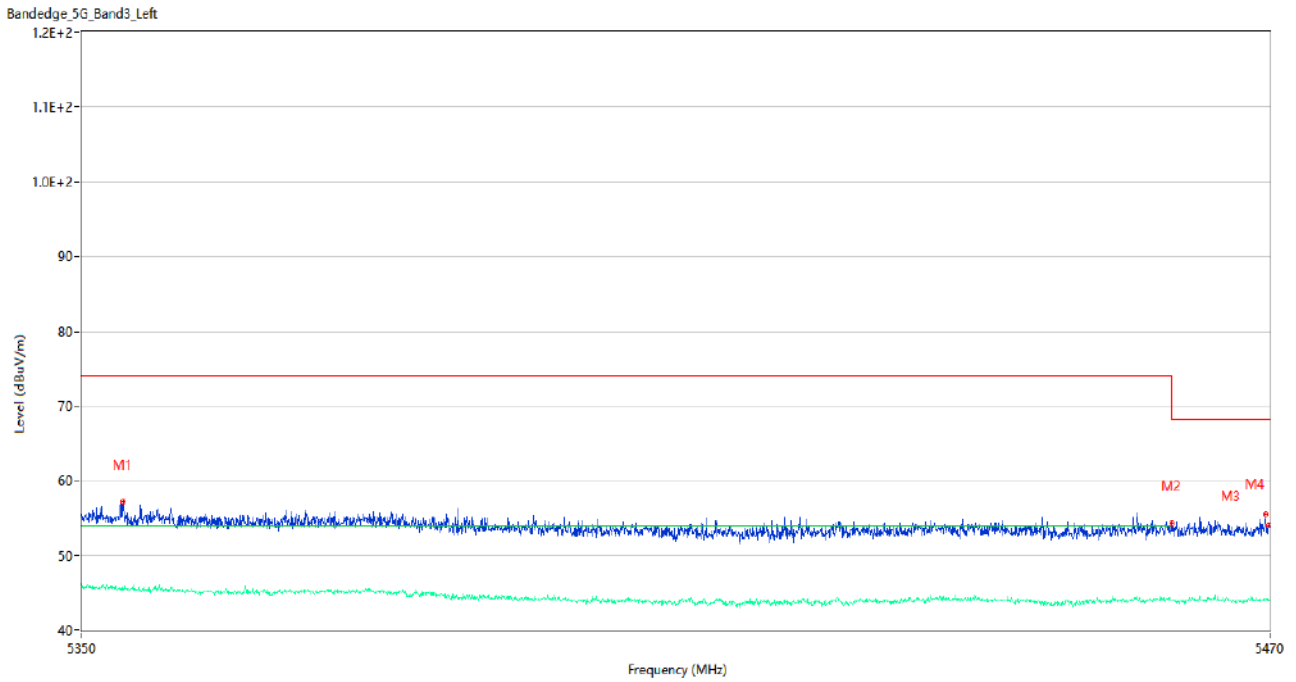
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5459.320	57.67	3.58	74.0	16.33	Peak	154.00	200	Horizontal	Pass
1**	5459.320	44.83	3.58	54.0	9.17	AV	154.00	200	Horizontal	Pass
2	5459.980	54.19	3.49	74.0	19.81	Peak	0.00	200	Horizontal	Pass
2**	5459.980	44.98	3.49	54.0	9.02	AV	0.00	200	Horizontal	Pass
3	5469.700	60.68	3.28	68.2	7.52	Peak	127.00	100	Horizontal	Pass
3**	5469.700	45.42	3.28	--	--	AV	127.00	100	Horizontal	N/A
4	5469.940	57.26	3.29	68.2	10.94	Peak	140.00	150	Horizontal	Pass
4**	5469.940	45.95	3.29	--	--	AV	140.00	150	Horizontal	N/A

U-NII-2C 11a High Channel



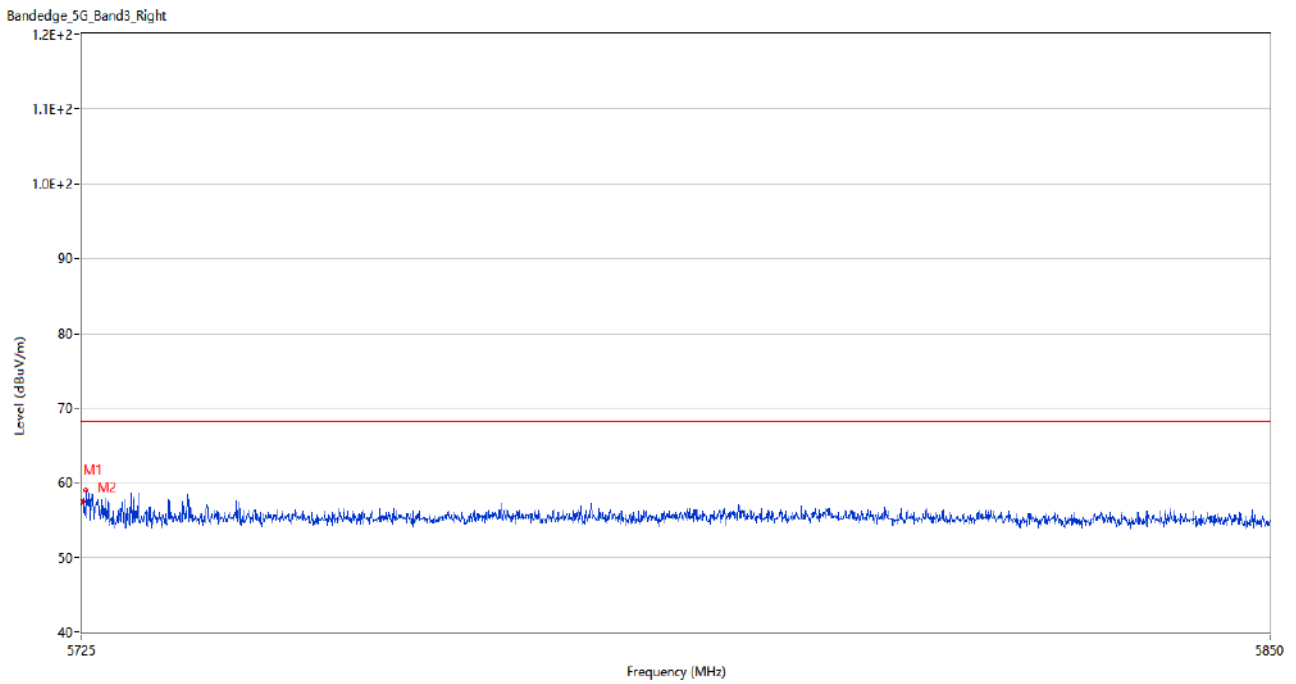
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	60.57	3.51	68.2	7.63	Peak	167.00	150	Horizontal	Pass
2	5730.875	61.88	3.75	68.2	6.32	Peak	137.00	100	Horizontal	Pass

U-NII-2C 11n20 Low Channel



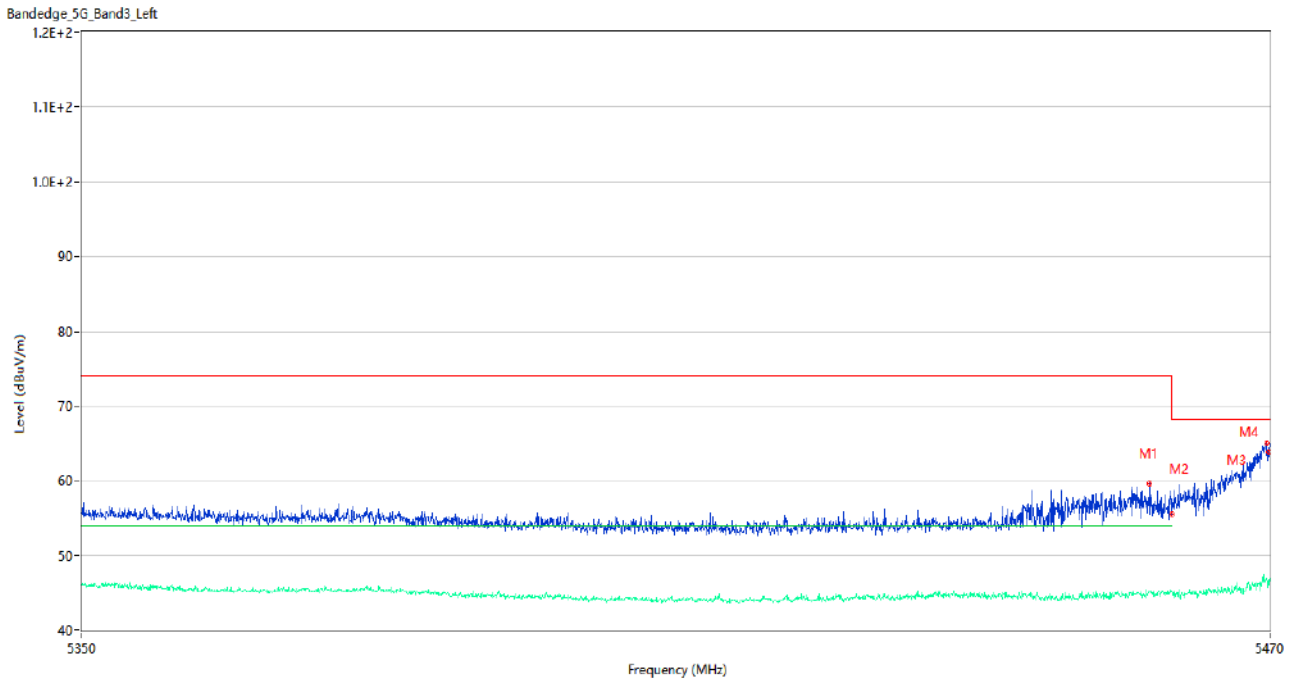
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5354.140	57.18	3.11	74.0	16.82	Peak	49.00	100	Horizontal	Pass
1**	5354.140	45.45	3.11	54.0	8.55	AV	49.00	100	Horizontal	Pass
2	5459.980	54.35	3.49	74.0	19.65	Peak	32.00	150	Horizontal	Pass
2**	5459.980	44.09	3.49	54.0	9.91	AV	32.00	150	Horizontal	Pass
3	5469.580	55.55	3.29	68.2	12.65	Peak	0.00	100	Horizontal	Pass
3**	5469.580	44.27	3.29	--	--	AV	0.00	100	Horizontal	N/A
4	5469.940	54.00	3.29	68.2	14.20	Peak	0.00	200	Horizontal	Pass
4**	5469.940	43.99	3.29	--	--	AV	0.00	200	Horizontal	N/A

U-NII-2C 11n20 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.063	57.43	3.44	68.2	10.77	Peak	147.00	150	Horizontal	Pass
2	5725.437	59.03	3.42	68.2	9.17	Peak	159.00	200	Horizontal	Pass

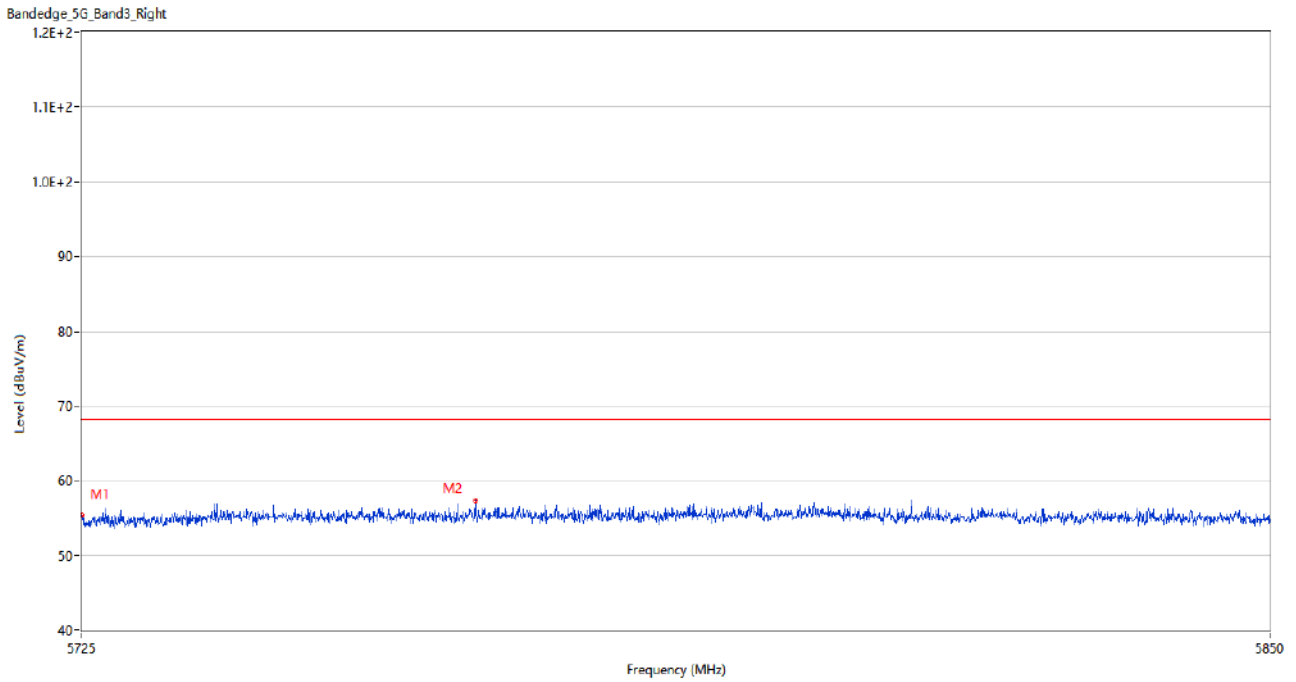
U-NII-2C 11n40 Low Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5457.760	59.55	3.49	74.0	14.45	Peak	147.00	100	Horizontal	Pass
1**	5457.760	45.27	3.49	54.0	8.73	AV	147.00	100	Horizontal	Pass
2	5459.980	55.54	3.49	74.0	18.46	Peak	159.00	150	Horizontal	Pass
2**	5459.980	45.09	3.49	54.0	8.91	AV	159.00	150	Horizontal	Pass
3	5469.640	65.05	3.29	68.2	3.15	Peak	150.00	100	Horizontal	Pass
3**	5469.640	46.74	3.29	--	--	AV	150.00	100	Horizontal	N/A
4	5469.940	63.75	3.29	68.2	4.45	Peak	159.00	100	Horizontal	Pass
4**	5469.940	46.04	3.29	--	--	AV	159.00	100	Horizontal	N/A

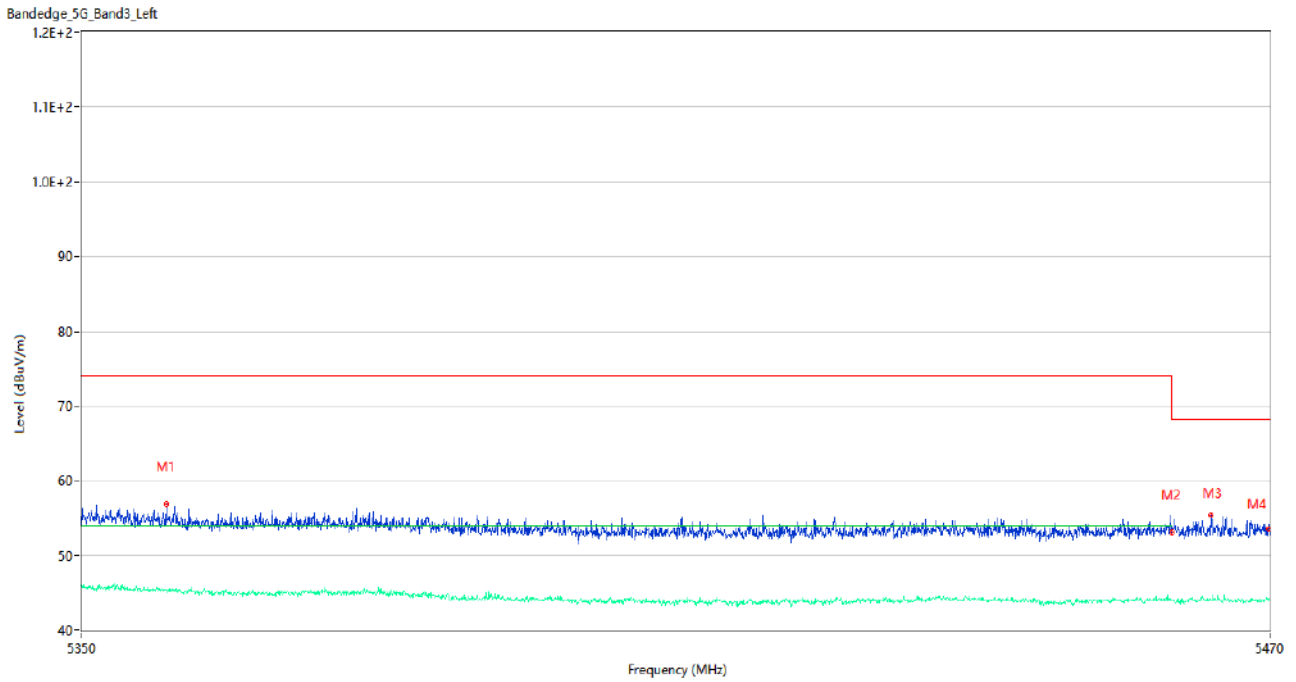


U-NII-2C 11n40 High Channel



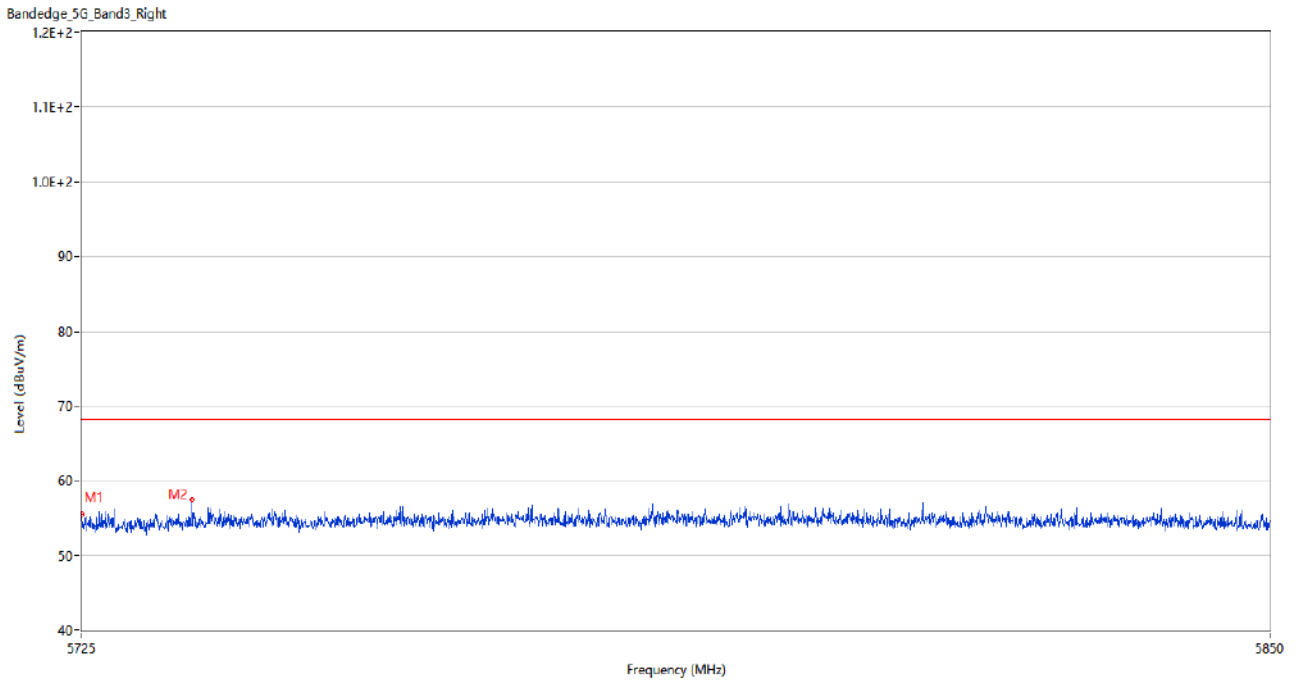
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	55.34	3.51	68.2	12.86	Peak	108.00	150	Horizontal	Pass
2	5766.125	57.35	3.41	68.2	10.85	Peak	13.00	100	Horizontal	Pass

U-NII-2C 11ac20 Low Channel



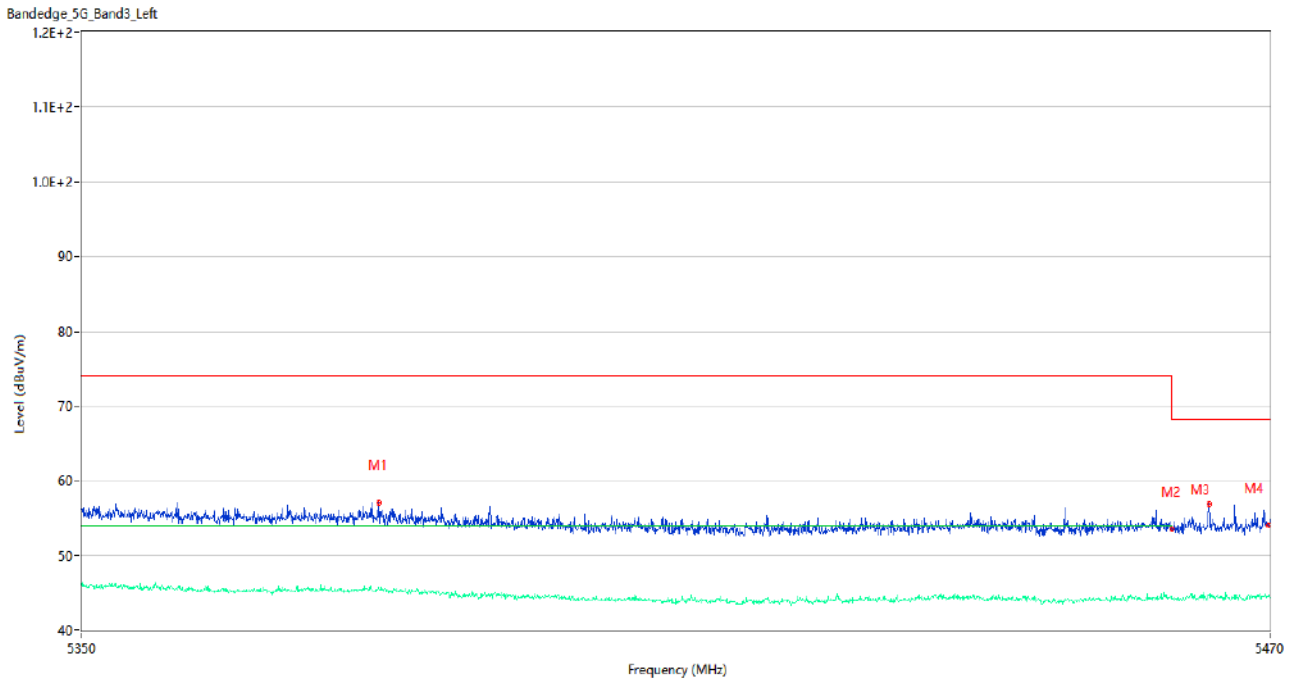
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5358.460	56.91	2.83	74.0	17.09	Peak	0.00	200	Horizontal	Pass
1**	5358.460	45.34	2.83	54.0	8.66	AV	0.00	200	Horizontal	Pass
2	5459.980	53.14	3.49	74.0	20.86	Peak	0.00	100	Horizontal	Pass
2**	5459.980	44.01	3.49	54.0	9.99	AV	0.00	100	Horizontal	Pass
3	5464.000	55.31	3.50	68.2	12.89	Peak	0.00	150	Horizontal	Pass
3**	5464.000	44.10	3.50	--	--	AV	0.00	150	Horizontal	N/A
4	5469.940	53.53	3.29	68.2	14.67	Peak	0.00	100	Horizontal	Pass
4**	5469.940	44.23	3.29	--	--	AV	0.00	100	Horizontal	N/A

U-NII-2C 11ac20 High Channel



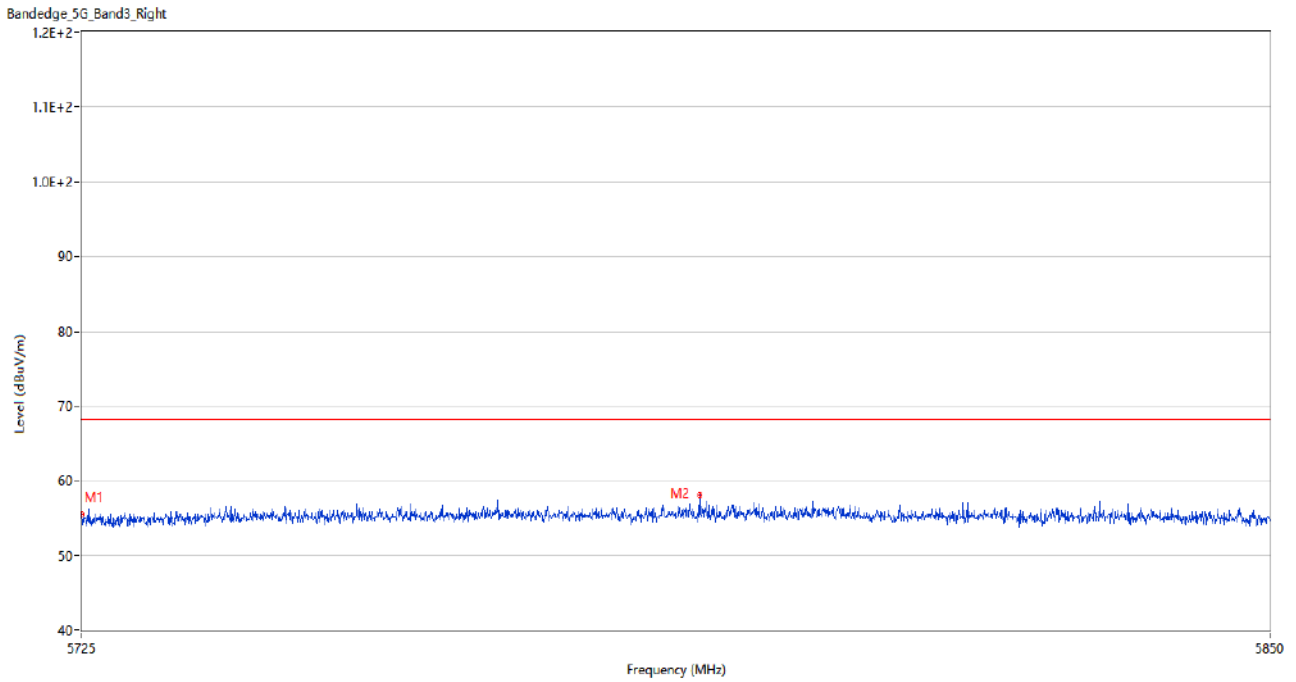
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	55.52	3.51	68.2	12.68	Peak	49.00	100	Horizontal	Pass
2	5736.500	57.46	3.71	68.2	10.74	Peak	0.00	150	Horizontal	Pass

U-NII-2C 11ac40 Low Channel



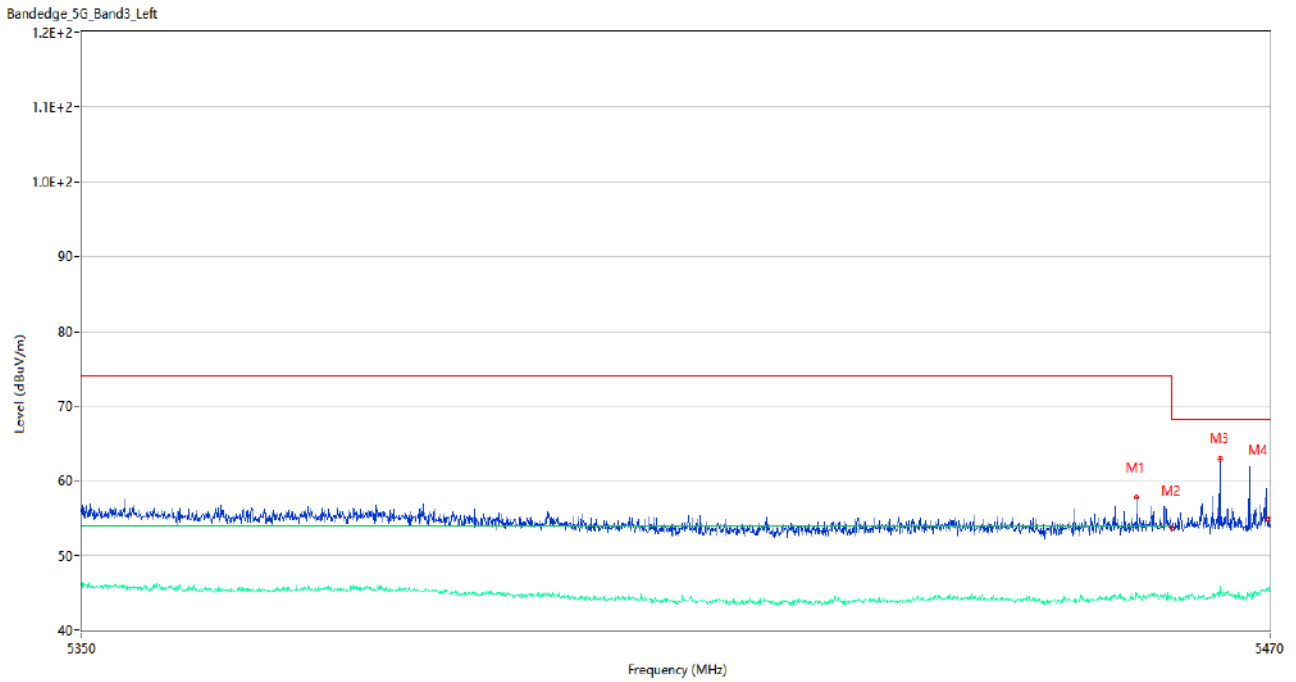
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5379.700	57.08	3.21	74.0	16.92	Peak	124.00	150	Horizontal	Pass
1**	5379.700	45.58	3.21	54.0	8.42	AV	124.00	150	Horizontal	Pass
2	5459.980	53.53	3.49	74.0	20.47	Peak	140.00	150	Horizontal	Pass
2**	5459.980	44.50	3.49	54.0	9.50	AV	140.00	150	Horizontal	Pass
3	5463.820	56.86	3.45	68.2	11.34	Peak	152.00	150	Horizontal	Pass
3**	5463.820	44.74	3.45	--	--	AV	152.00	150	Horizontal	N/A
4	5469.940	53.96	3.29	68.2	14.24	Peak	281.00	200	Horizontal	Pass
4**	5469.940	44.69	3.29	--	--	AV	281.00	200	Horizontal	N/A

U-NII-2C 11ac40 High Channel



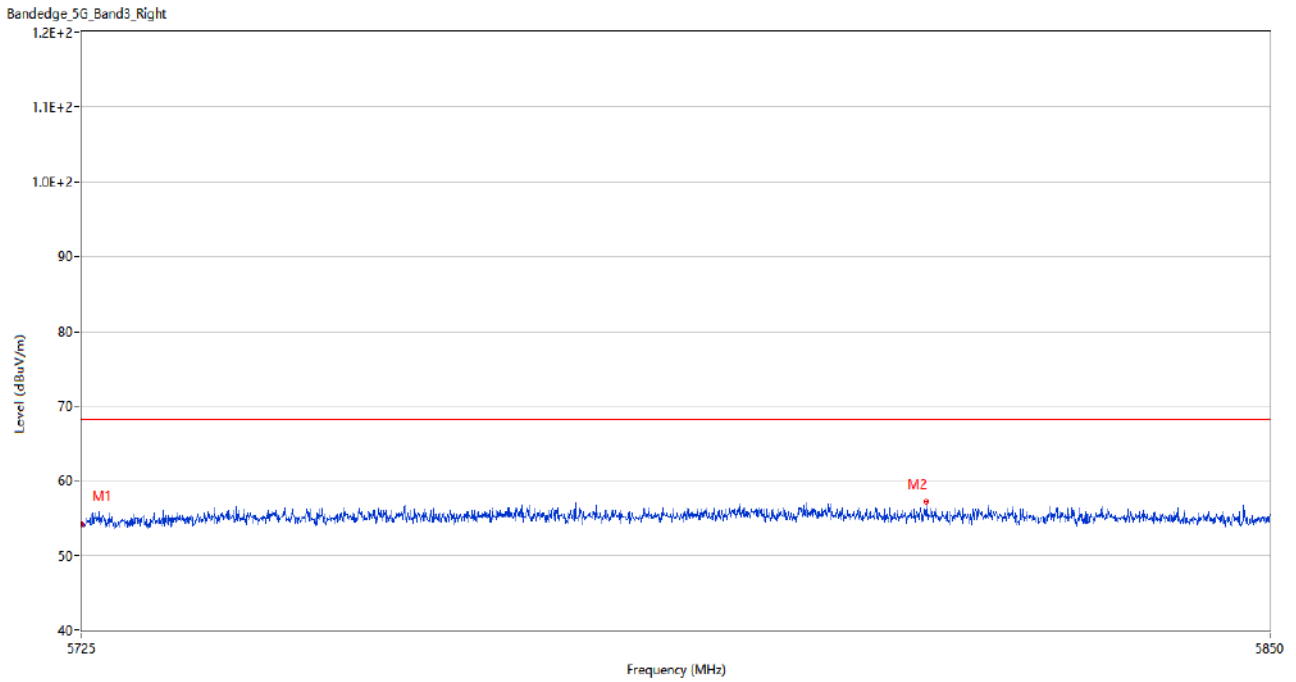
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	55.57	3.51	68.2	12.63	Peak	137.00	200	Horizontal	Pass
2	5789.687	58.15	3.34	68.2	10.05	Peak	29.00	100	Horizontal	Pass

U-NII-2C 11ac80 Low Channel



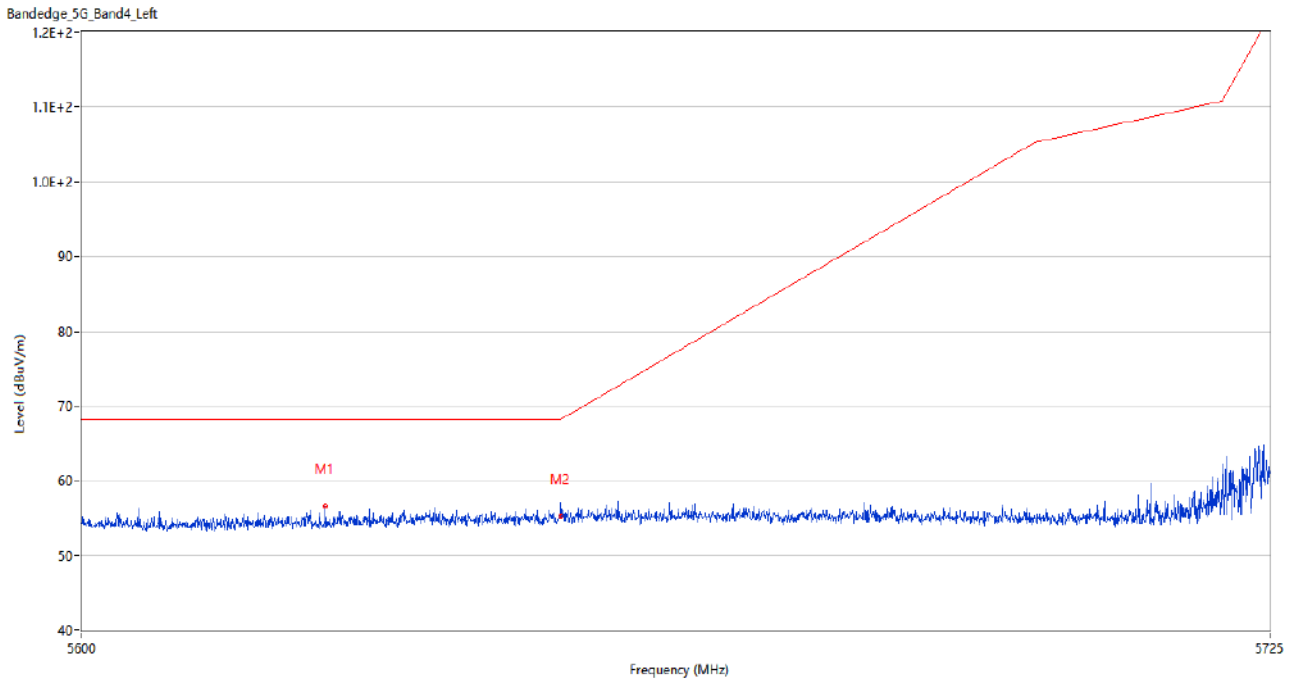
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5456.440	57.82	3.61	74.0	16.18	Peak	147.00	100	Horizontal	Pass
1**	5456.440	44.84	3.61	54.0	9.16	AV	147.00	100	Horizontal	Pass
2	5459.980	53.67	3.49	74.0	20.33	Peak	147.00	200	Horizontal	Pass
2**	5459.980	44.41	3.49	54.0	9.59	AV	147.00	200	Horizontal	Pass
3	5464.900	62.97	3.40	68.2	5.23	Peak	142.00	150	Horizontal	Pass
3**	5464.900	45.81	3.40	--	--	AV	142.00	150	Horizontal	N/A
4	5469.940	54.85	3.29	68.2	13.35	Peak	142.00	150	Horizontal	Pass
4**	5469.940	45.18	3.29	--	--	AV	142.00	150	Horizontal	N/A

U-NII-2C 11ac80 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	54.19	3.51	68.2	14.01	Peak	115.00	100	Horizontal	Pass
2	5813.625	57.23	3.64	68.2	10.97	Peak	218.00	100	Horizontal	Pass

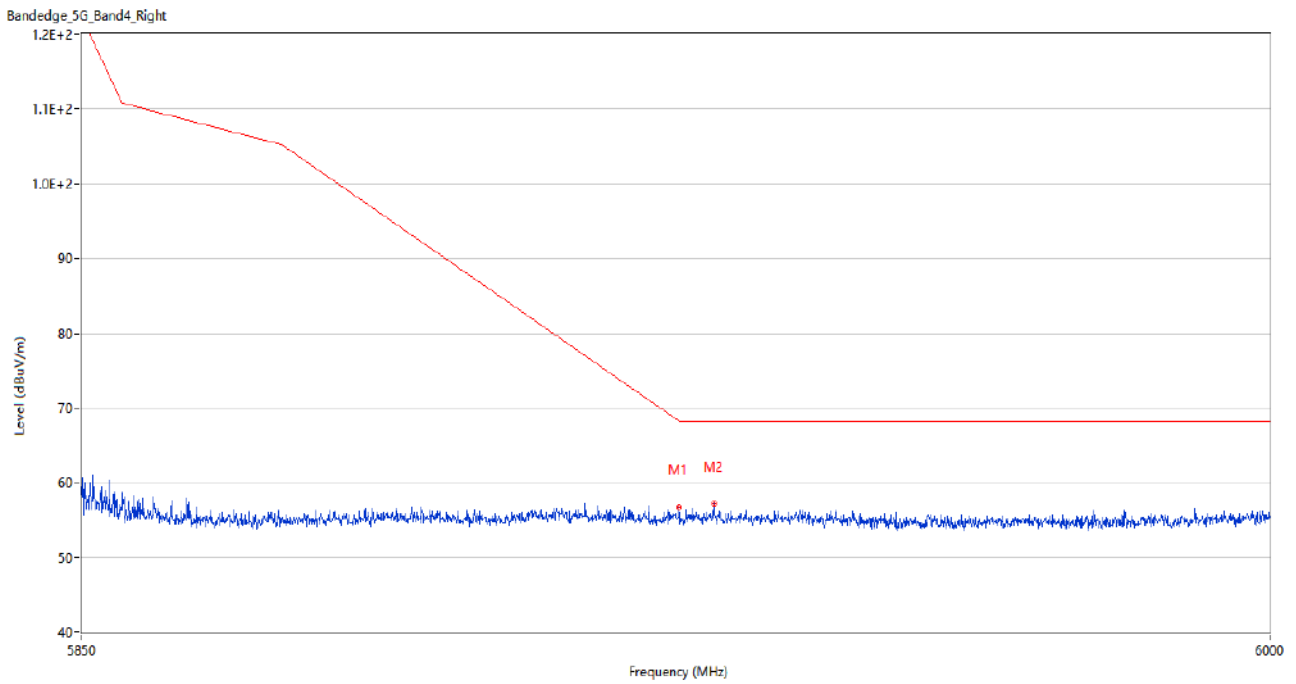
U-NII-3 11a Low Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5625.438	56.57	3.51	68.2	11.63	Peak	162.00	150	Horizontal	Pass
2	5650.000	55.16	3.72	68.2	13.04	Peak	221.00	150	Horizontal	Pass

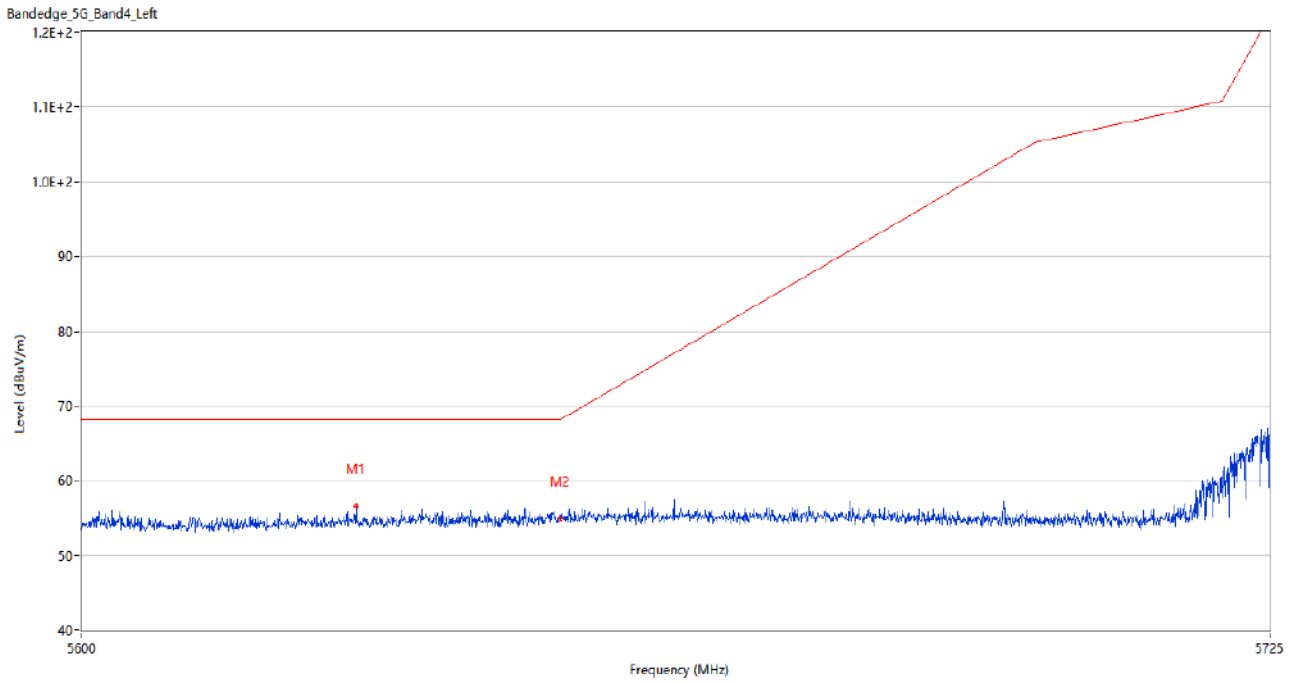


U-NII-3 11a High Channel



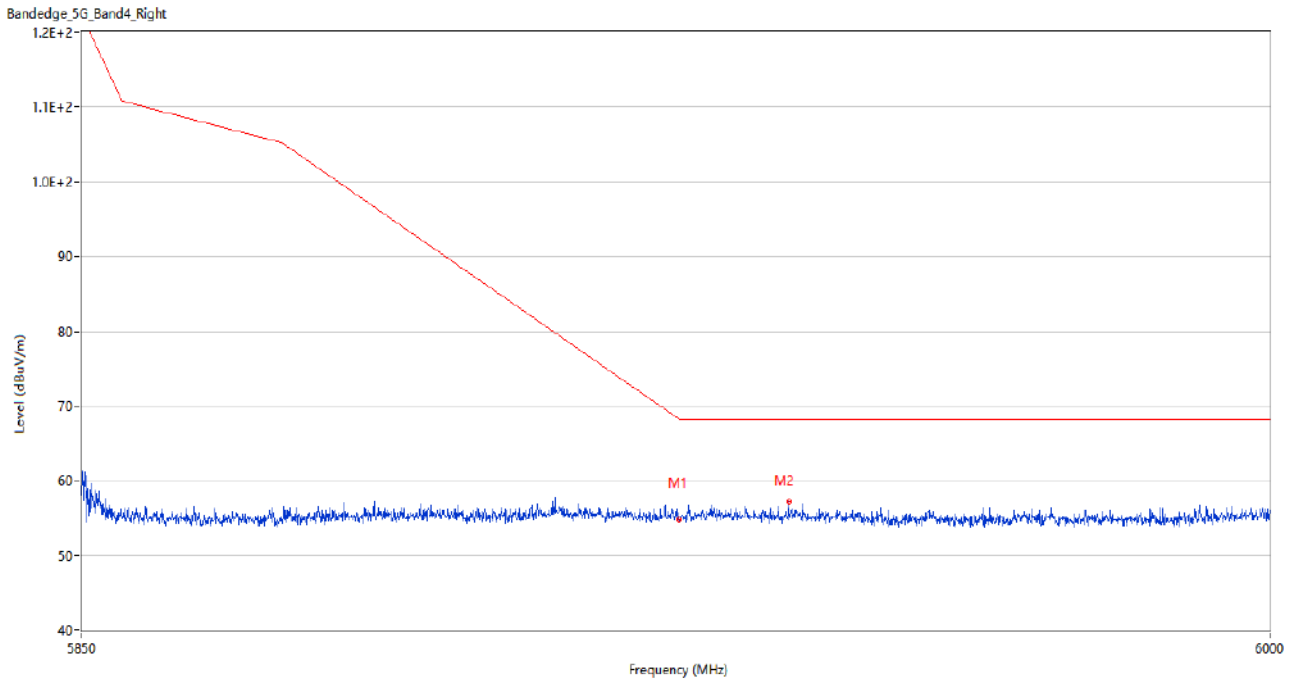
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	56.74	3.42	68.3	11.56	Peak	159.00	100	Horizontal	Pass
2	5929.350	57.13	3.59	68.2	11.07	Peak	296.00	150	Horizontal	Pass

U-NII-3 11n20 Low Channel



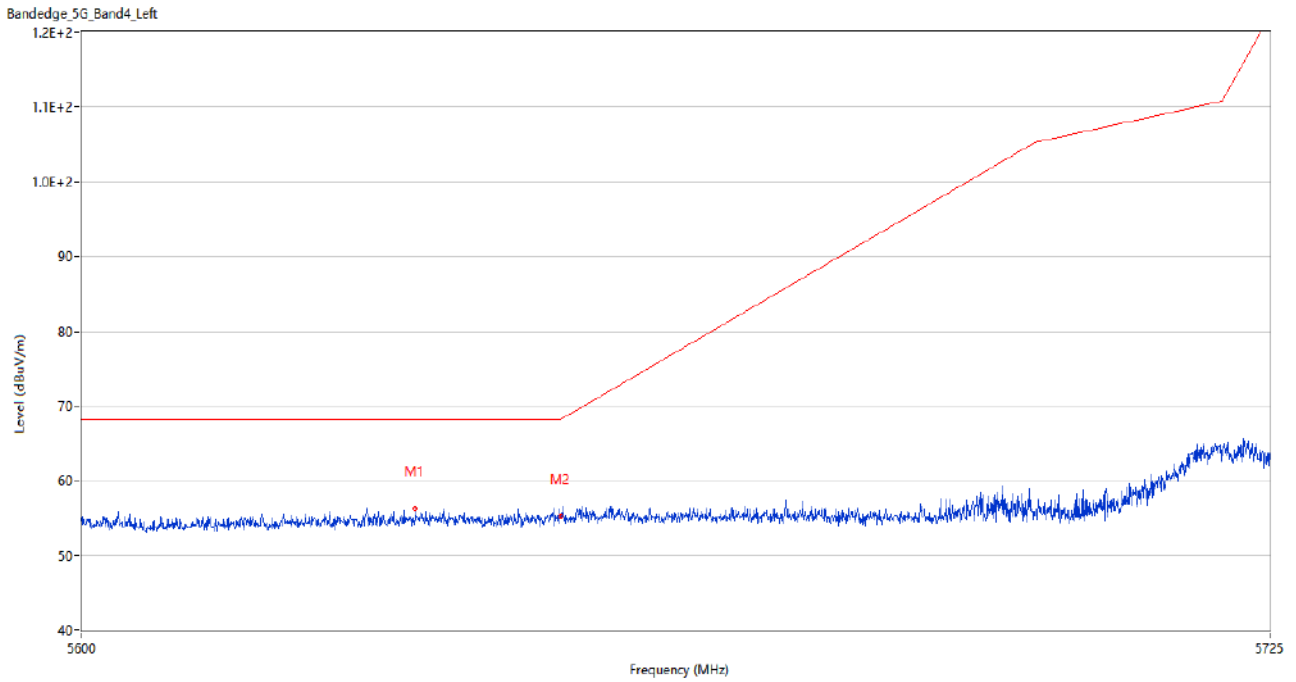
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5628.625	56.53	3.45	68.2	11.67	Peak	123.00	100	Horizontal	Pass
2	5650.000	54.96	3.72	68.2	13.24	Peak	30.00	200	Horizontal	Pass

U-NII-3 11n20 High Channel



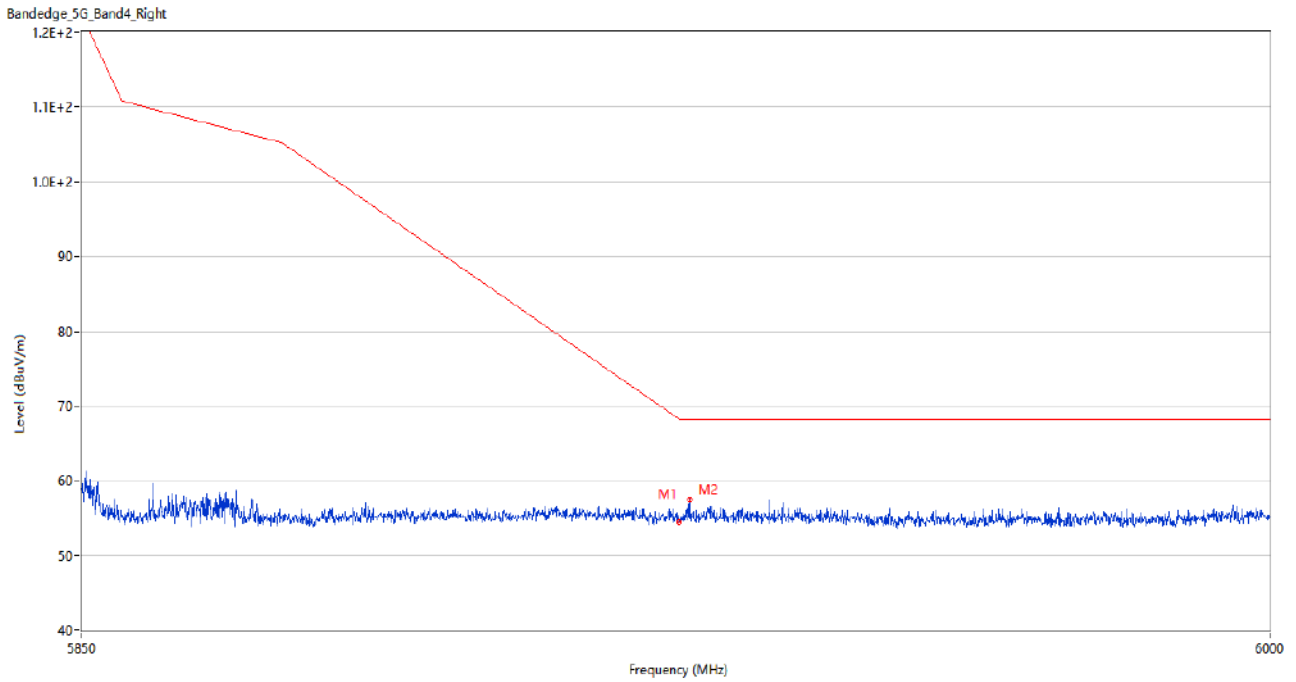
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	54.73	3.42	68.3	13.57	Peak	360.00	150	Horizontal	Pass
2	5938.800	57.22	3.60	68.2	10.98	Peak	173.00	200	Horizontal	Pass

U-NII-3 11n40 Low Channel



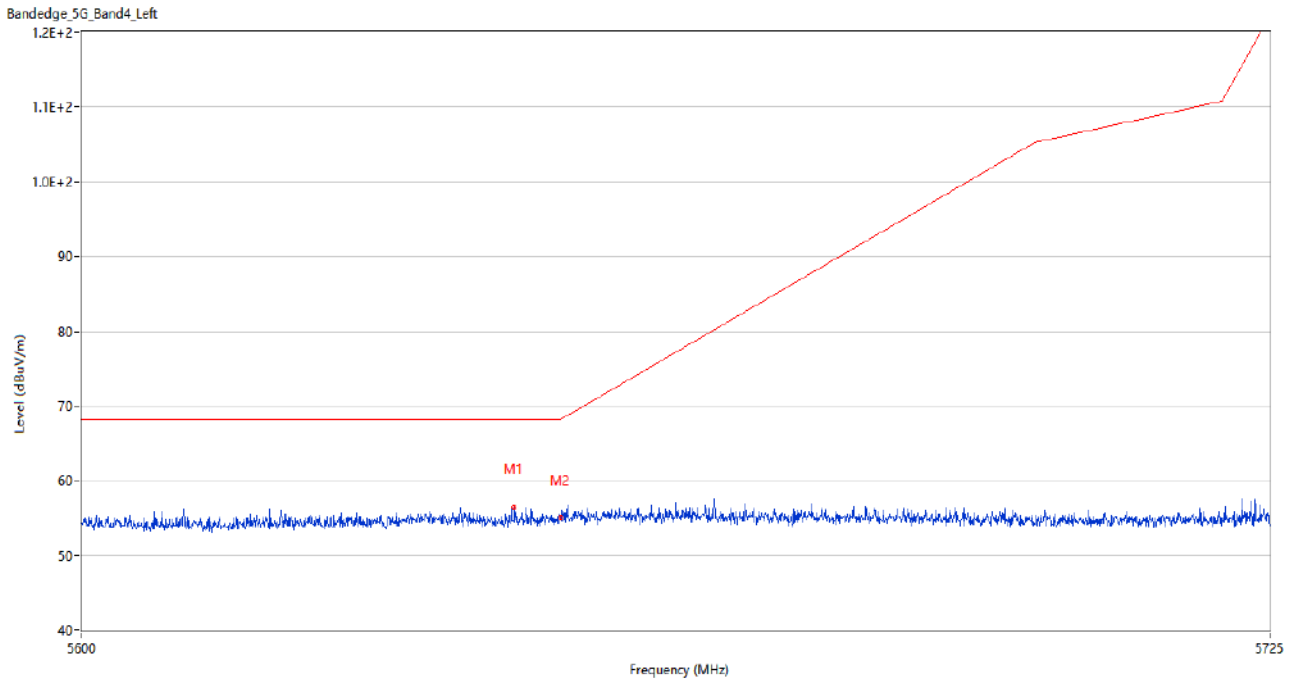
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5634.812	56.27	3.62	68.2	11.93	Peak	195.00	150	Horizontal	Pass
2	5650.000	55.25	3.72	68.2	12.95	Peak	22.00	200	Horizontal	Pass

U-NII-3 11n40 High Channel



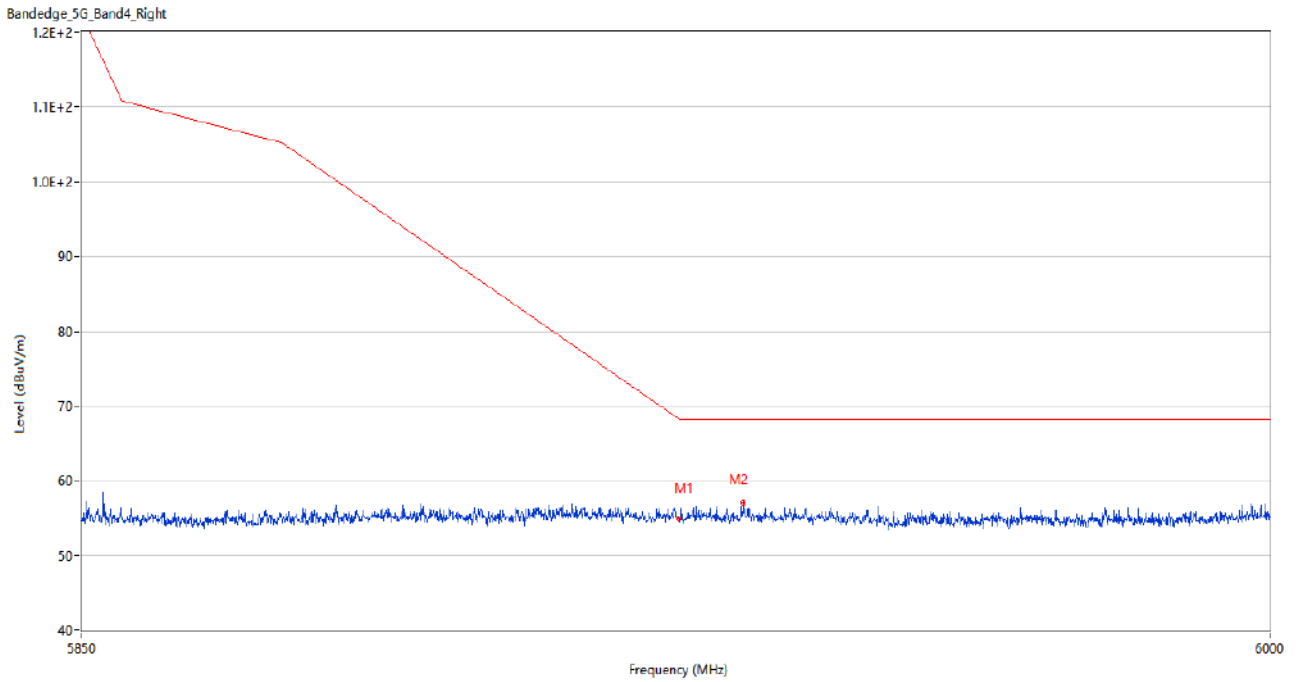
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	54.51	3.42	68.3	13.79	Peak	360.00	150	Horizontal	Pass
2	5926.275	57.52	3.82	68.2	10.68	Peak	13.00	200	Horizontal	Pass

U-NII-3 11ac20 Low Channel



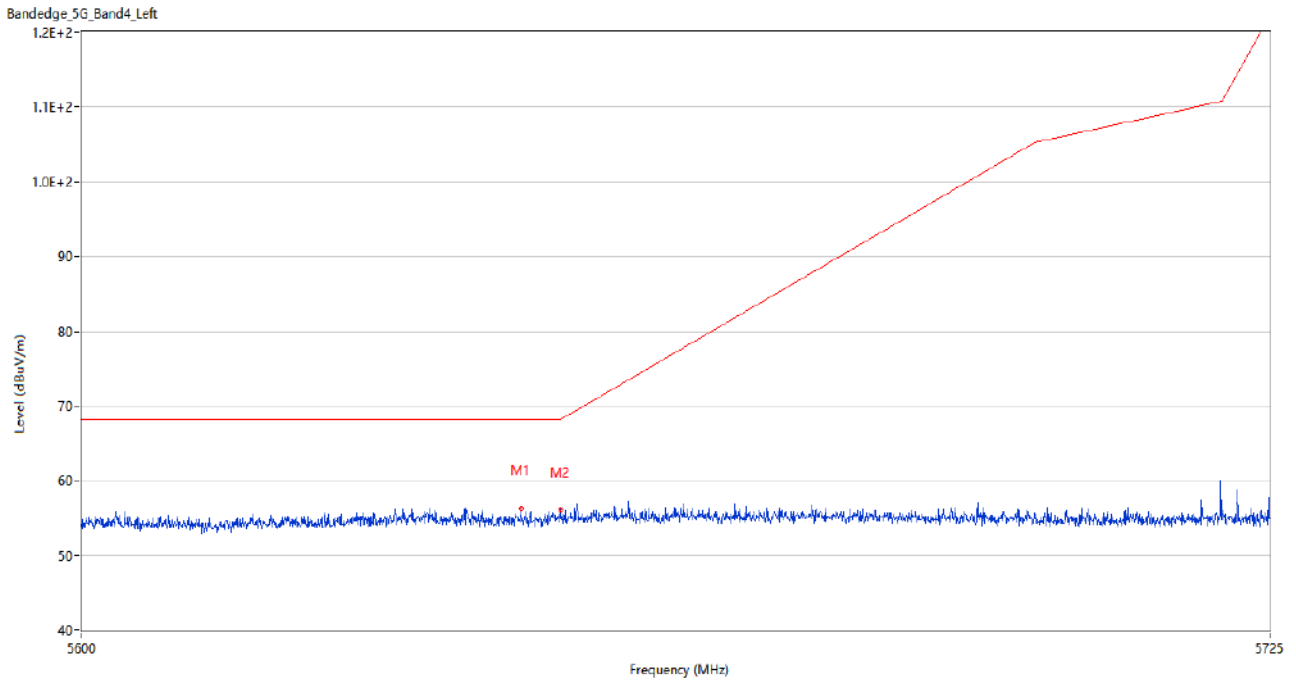
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5645.188	56.49	3.46	68.2	11.71	Peak	297.00	150	Horizontal	Pass
2	5650.000	55.03	3.72	68.2	13.17	Peak	360.00	200	Horizontal	Pass

U-NII-3 11ac20 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	54.93	3.42	68.3	13.37	Peak	90.00	100	Horizontal	Pass
2	5933.100	56.97	3.73	68.2	11.23	Peak	43.00	200	Horizontal	Pass

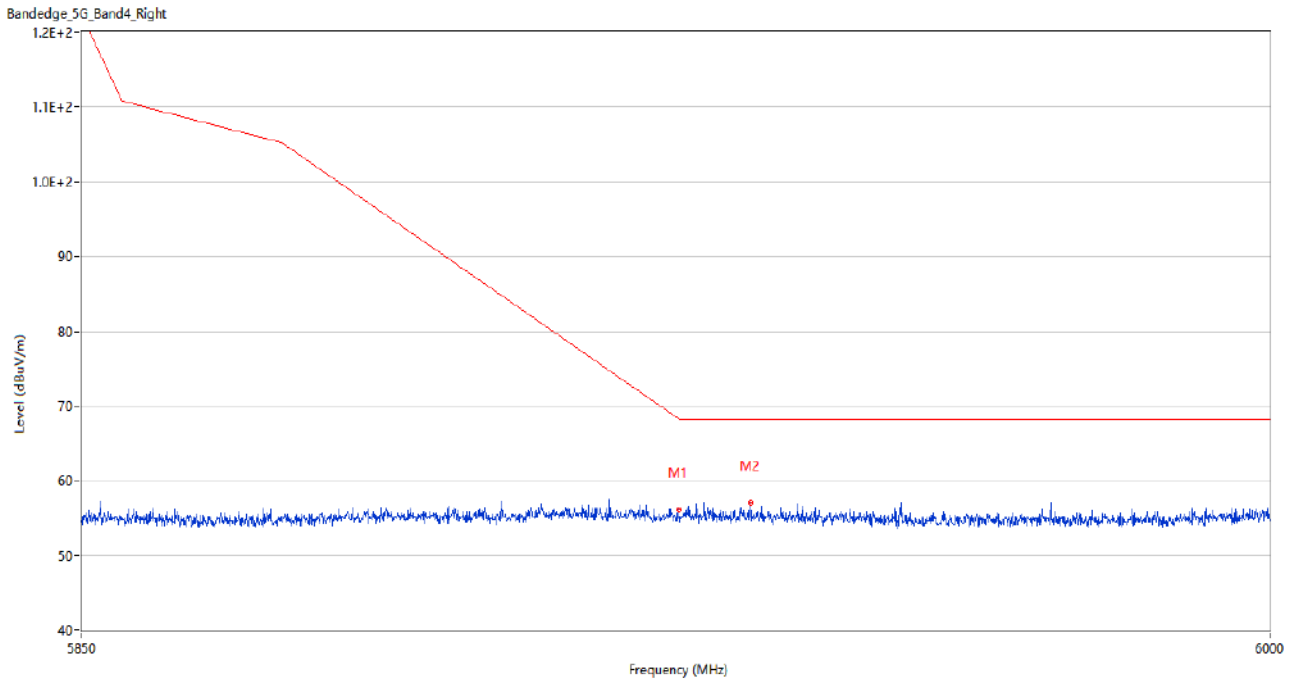
U-NII-3 11ac40 Low Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5645.875	56.34	3.32	68.2	11.86	Peak	144.00	150	Horizontal	Pass
2	5650.000	56.08	3.72	68.2	12.12	Peak	144.00	150	Horizontal	Pass

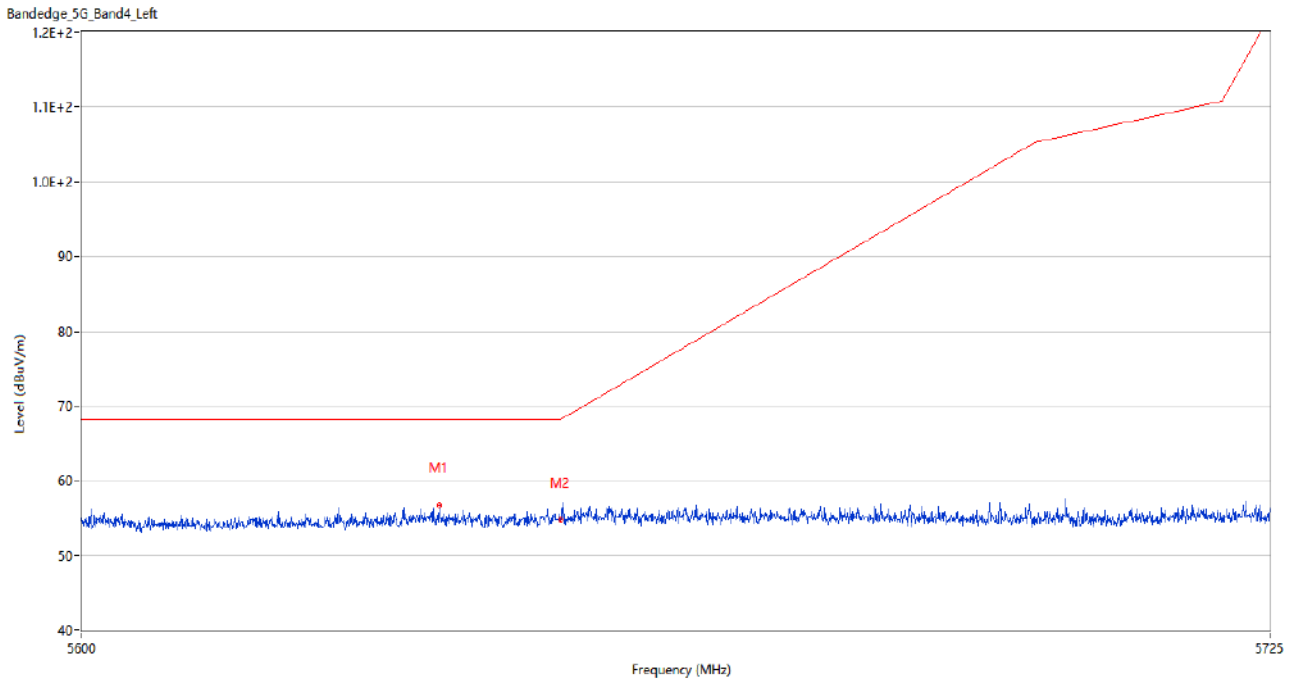


U-NII-3 11ac40 High Channel



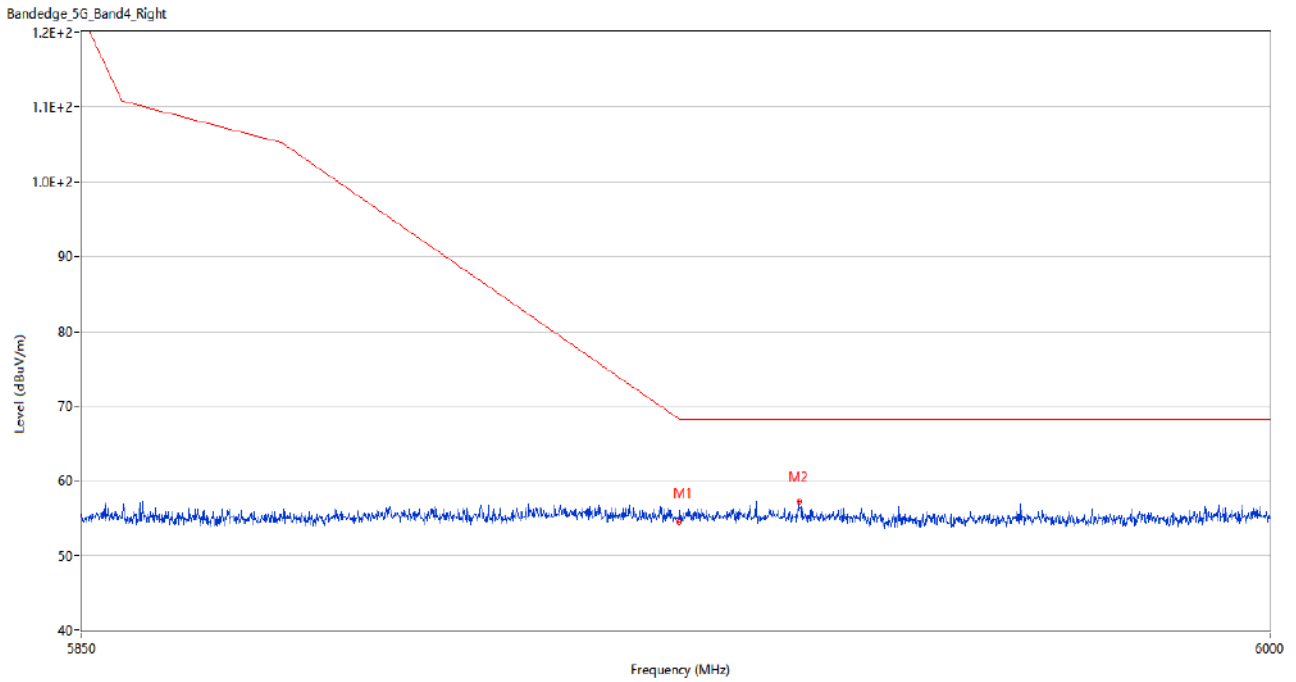
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	56.06	3.42	68.3	12.24	Peak	351.00	200	Horizontal	Pass
2	5934.000	57.02	3.45	68.2	11.18	Peak	224.00	100	Horizontal	Pass

U-NII-3 11ac80 Middle Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5637.313	56.67	3.55	68.2	11.53	Peak	213.00	200	Horizontal	Pass
2	5650.000	54.77	3.72	68.2	13.43	Peak	191.00	200	Horizontal	Pass

U-NII-3 11ac80 Middle Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	54.40	3.42	68.3	13.90	Peak	246.00	200	Horizontal	Pass
2	5940.075	57.16	3.64	68.2	11.04	Peak	290.00	100	Horizontal	Pass

## **ANNEX B TEST SETUP PHOTOS**

Please refer the document “BL-SZ23B0377-AR.PDF”.

## **ANNEX C EUT EXTERNAL PHOTOS**

Please refer the document “BL-SZ23B0377-AW.PDF”.

## **ANNEX D EUT INTERNAL PHOTOS**

Please refer the document “BL-SZ23B0377-AI.PDF”.

## Statement

1. The laboratory guarantees the scientificity, accuracy and impartiality of the test, and is responsible for all the information in the report, except the information provided by the customer. The customer is responsible for the impact of the information provided on the validity of the results.
2. The report without China inspection body and laboratory Mandatory Approval (CMA) mark has no effect of proving to the society.
3. For the report with CNAS mark or A2LA mark, the items marked with "☆" are not within the accredited scope.
4. This report is invalid if it is altered, without the signature of the testing and approval personnel, or without the "inspection and testing dedicated stamp" or test report stamp.
5. The test data and results are only valid for the tested samples provided by the customer.
6. This report shall not be partially reproduced without the written permission of the laboratory.
7. Any objection shall be raised to the laboratory within 30 days after receiving the report.

--END OF REPORT--