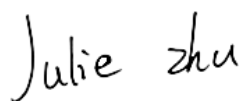


TEST REPORT

Applicant: REOLINK INNOVATION LIMITED
Address: FLAT/RM 705 7/F FA YUEN COMMERCIAL
BUILDING 75-77 FA YUEN STREET MONG KOK
KL HONG KONG
Equipment Type: WiFi IP Camera
Model Name: E1 Outdoor (refer to section 2.3)
Brand Name: Reolink
FCC ID: 2AYHE-2401B
ISED Number: 26839-2401B
Test Standard: 47 CFR Part 15 Subpart E
RSS-Gen Issue 5
RSS-247 Issue 3
(refer to section 3.1)
Sample Arrival Date: Feb. 26, 2024
Test Date: Mar. 03, 2024 - May 29, 2024
Date of Issue: Jun. 14, 2024

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Zhu Julie**Checked by:** Ye Hongji**Approved by:** Liao Jianming
(Technical Director)

Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Jun. 14, 2024</u>	<u>Initial Issue</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

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

1.2 Test Location

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

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	REOLINK INNOVATION LIMITED
Address	FLAT/RM 705 7/F FA YUEN COMMERCIAL BUILDING 75-77 FA YUEN STREET MONG KOK KL HONG KONG

2.2 Manufacturer Information

Manufacturer	REOLINK INNOVATION LIMITED
Address	FLAT/RM 705 7/F FA YUEN COMMERCIAL BUILDING 75-77 FA YUEN STREET MONG KOK KL HONG KONG

2.3 General Description for Equipment under Test (EUT)

EUT Name	WiFi IP Camera
Model Name Under Test	E1 Outdoor
Series Model Name	E Series E540, T1 Outdoor
Description of Model name differentiation	All models are same with electrical parameters and internal circuit structure, but only differ in model name. (this information provided by the applicant)
Serial Number	952700Y006FK1ME9
Hardware Version	N/A
Software Version	N/A
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	2.4G WIFI 802.11b, 802.11g and 802.11n(HT20/40) 5G WIFI 802.11a, 802.11n(HT20/40) and 802.11ac(VHT20/40/80) U-NII-1/2A/2C/3
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The requirement for the following technical information of the EUT was tested in this report:

Frequency Range	U-NII-1: 5150 MHz to 5250 MHz, U-NII-2A: 5250 MHz to 5350 MHz, U-NII-2C: 5470 MHz to 5725 MHz, U-NII-3: 5725 MHz to 5850 MHz	
Product Type	☒ Mobile ☐ Portable ☐ 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: 19.82 mW U-NII-2A: 19.82 mW U-NII-2C: 19.77 mW U-NII-3: 19.68 mW	
Antenna System (eg., MIMO, Smart Antenna)	Cyclic Delay Diversity (CDD) for 802.11a Multi Input Multi Output (MIMO) for 802.11n/ac	
Categorization as Correlated or Completely Uncorrelated	Categorization as Correlated for 802.11a Categorization as Uncorrelated for 802.11n/ac	
Antenna Type	SISO- Antenna A SISO- Antenna B	FPC Antenna
Antenna Gain	SISO- Antenna A SISO- Antenna B	U-NII-1: 5150 MHz to 5250 MHz: 3.5 dBi U-NII-2A: 5250 MHz to 5350 MHz: 3.3 dBi U-NII-2C: 5470 MHz to 5725 MHz: 3.2 dBi U-NII-3: 5725 MHz to 5850 MHz: 3.7 dBi
Total directional gain	For power spectral density (PSD) measur	Correlated: U-NII-1: 5150 MHz to 5250 MHz: 6.51 dBi U-NII-2A: 5250 MHz to 5350 MHz: 6.31 dBi U-NII-2C: 5470 MHz to 5725 MHz: 6.21 dBi U-NII-3: 5725 MHz to 5850 MHz: 6.71 dBi

	ents	Formulas: Directional gain = $GANT + 10 \log(NANT)$ dBi Uncorrelated: U-NII-1: 5150 MHz to 5250 MHz: 5.81 dBi U-NII-2A: 5250 MHz to 5350 MHz: 5.81 dBi U-NII-2C: 5470 MHz to 5725 MHz: 5.81 dBi U-NII-3: 5725 MHz to 5850 MHz: 5.81 dBi Formulas: Directional gain = $GANT$
	For power measurements	Correlated: U-NII-1: 5150 MHz to 5250 MHz: 6.51 dBi U-NII-2A: 5250 MHz to 5350 MHz: 6.31 dBi U-NII-2C: 5470 MHz to 5725 MHz: 6.21 dBi U-NII-3: 5725 MHz to 5850 MHz: 6.71 dBi Formulas: Directional gain = $GANT + 10 \log(NANT)$ dBi Uncorrelated: U-NII-1: 5150 MHz to 5250 MHz: 5.81 dBi U-NII-2A: 5250 MHz to 5350 MHz: 5.81 dBi U-NII-2C: 5470 MHz to 5725 MHz: 5.81 dBi U-NII-3: 5725 MHz to 5850 MHz: 5.81 dBi Formulas: Directional gain = $GANT$
About the Product		The equipment is WiFi IP Camera, intended for used with information technology equipment.

Mode	Antenna		
	SISO-Antenna A	SISO-Antenna B	MIMO
802.11a	√	√	√
802.11n20	√	√	√
802.11n40	√	√	√
802.11ac20	√	√	√
802.11ac40	√	√	√
802.11ac80	√	√	√
Note: All the configurations were tested, but only the worst data was shown in this report.			

2.5 Channel List

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

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

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

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

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
110	Mid	5550	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	134/110/102	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	134/110/102	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	134/110/102	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	134/110/102	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	134/110/102	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	134/110/102	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	134/110/102	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	134/110/102	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	KDB Publication 662911 D01v02r01	Emissions Testing of Transmitters with Multiple Outputs in the Same Band (e.g., MIMO, Smart Antenna, etc)
6	ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices

3.2 Test Verdict

No.	Description	FCC Part No.	RSS Part No.	Test Result	Verdict
1	Antenna Requirement	15.203	RSS-247, 6.2	--	Pass ^{Note1}
2	RF Output Power	15.407(a)	RSS-247, 6.2	ANNEX A.1	Pass
3	Emission Bandwidth & 99% Occupied Bandwidth	15.407(a)	RSS-247, 6.2	ANNEX A.2	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 ^{Note2}

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

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

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

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

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

Relative Humidity	54% to 68%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+19.0°C to +25.0°C
	LT (Low Temperature)	-10.0°C
	HT (High Temperature)	+55.0°C
Working Voltage of the EUT	NV (Normal Voltage)	12.0 V
	LV (Low Voltage)	10.8 V
	HV (High Voltage)	13.2 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
				2024.05.08	2025.05.07
Power Sensor	KEYSIGHT	U2063XA	MY58000251	2023.07.12	2024.07.11
Spectrum Analyzer	KEYSIGHT	N9020A	MY52510065	2023.09.05	2024.09.04
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	01631	2022.02.23	2025.02.22
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2021.07.02	2024.07.01
Anechoic Chamber	RAINFORD	9m*6m*6m	144	2022.02.19	2024.09.03
Amplifier	COM-MV	LSCX_LNA1-12G-01	180602	2023.09.05	2024.09.04
Amplifier	COM-MV	XKu_LNA7-18G-01	180601	2023.09.05	2024.09.04
Amplifier	COM-MV	KA LNA18 40G-01	18050001	2023.12.06	2024.12.05
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2023.09.05	2024.09.04
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2024.01.23	2025.01.22
Amplifier	COM-MV	ZT30-1000M	B2018054558	2023.12.05	2024.12.04
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60*7.35m	130	2021.08.15	2024.08.14
EMI Receiver	Agilent	N9038A	MY55330120	2023.09.05	2024.09.04
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9168	9168-00867	2022.04.12	2025.04.11
Amplifier	COM-MV	ZT30-1000M	B2017119081	2023.12.05	2024.12.04
Anechoic Chamber	YiHeng	9m*6m*6m	142	2021.08.19	2024.08.18
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2023.09.05	2024.09.04
LISN	SCHWARZBECK	NSLK 8127	8127-687	2023.05.16	2024.05.15
				2024.05.08	2025.05.07
Shielded Enclosure	YiHeng Electronic	3.5m*3.1m*2.8	112	2022.02.19	2025.02.18

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
	Co., Ltd	m			

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℃
Humidity	4%

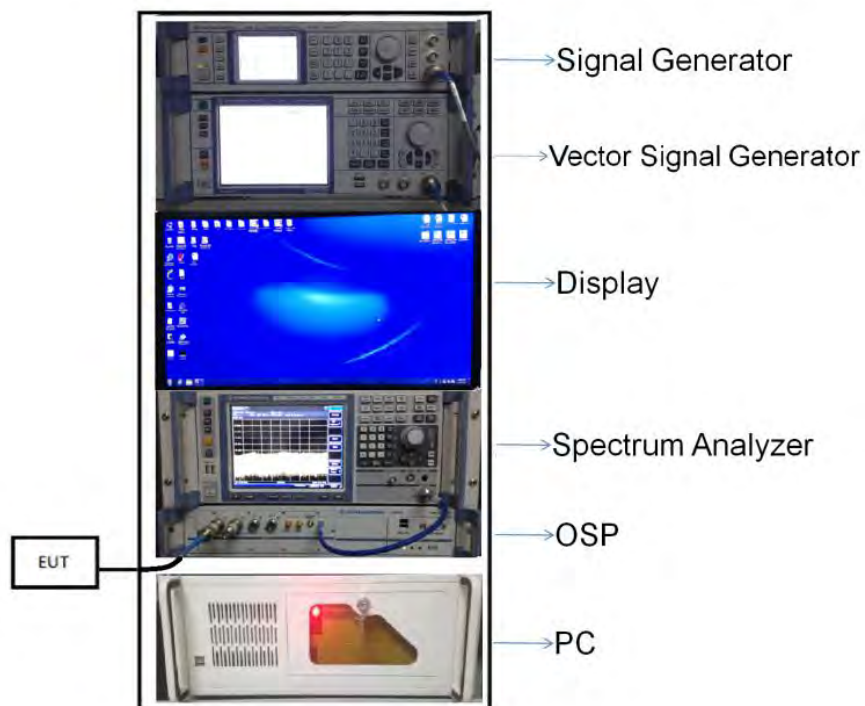
4.5 Description of Test Setup

4.5.1 For Antenna Port Test

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

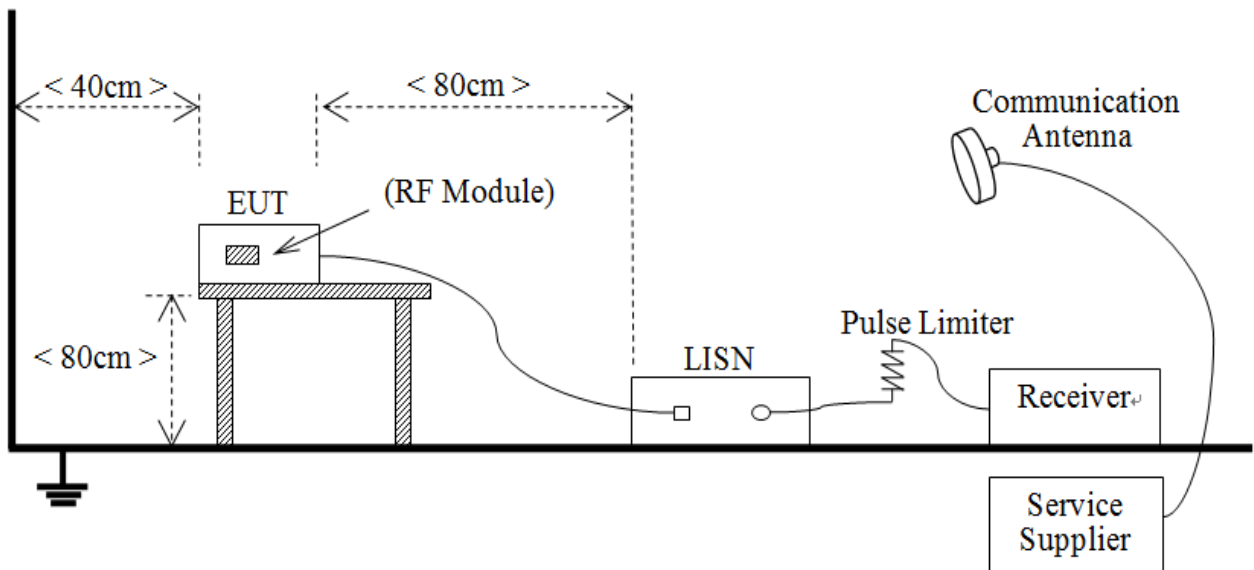
For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

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



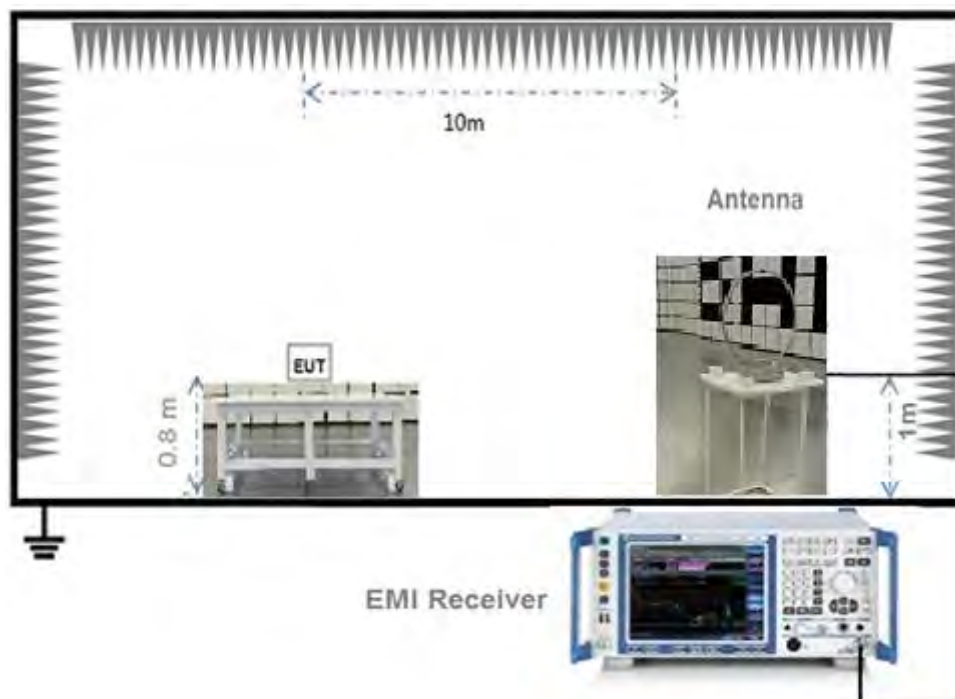
(Diagram 1)

4.5.2 For AC Power Supply Port Test



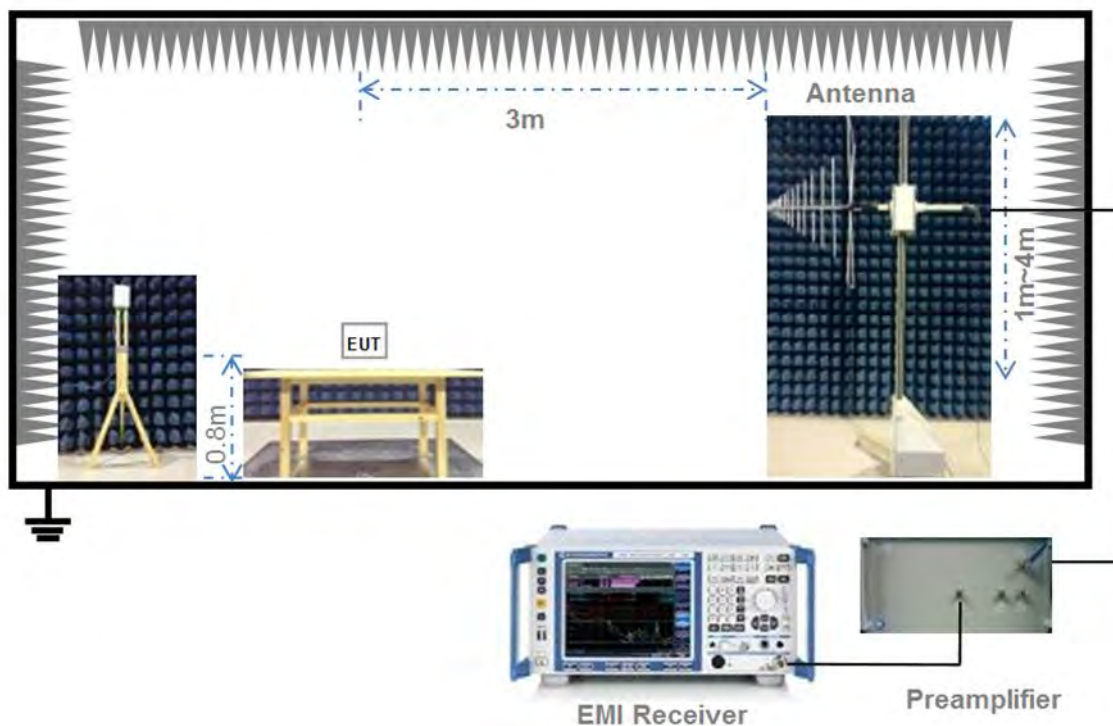
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



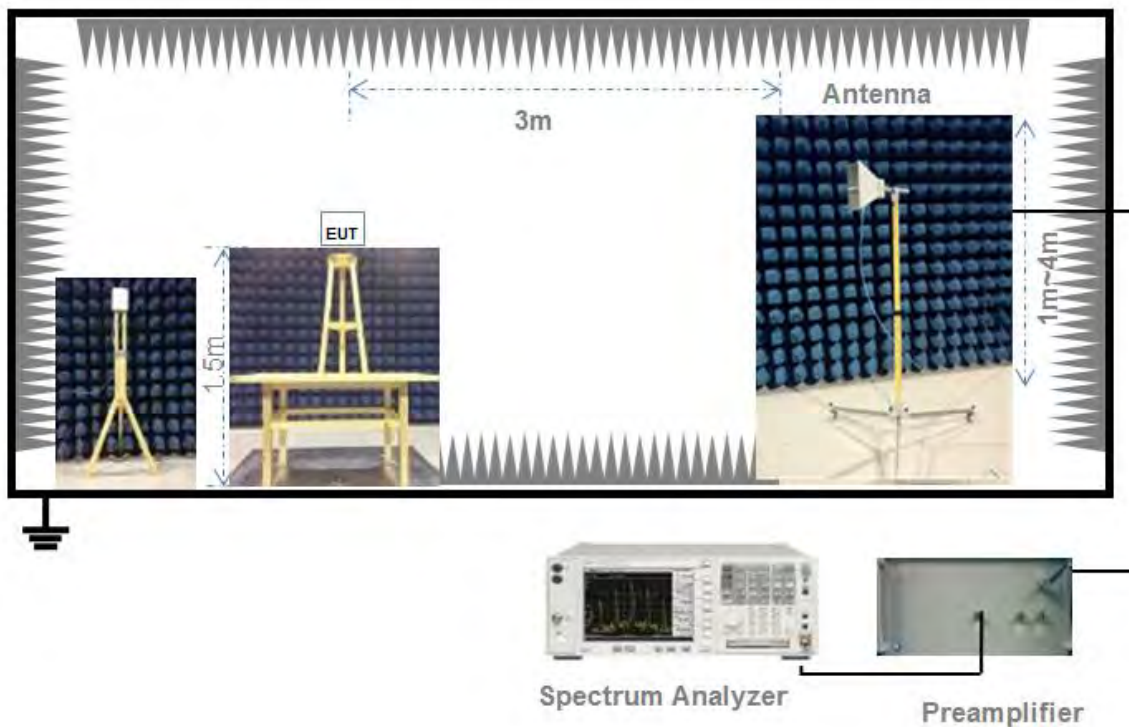
(Diagram 3)

4.5.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.5.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

5 TEST ITEMS

5.1 RF Output Power

5.1.1 Test Limit

FCC §15.407(a)

The maximum conducted output power should not exceed:

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

RSS-247, 6.2

The maximum conducted output power shall not exceed:

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

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

Frequency Band (MHz)	Limit
5150-5250	200 mW or 10 dBm + 10log B, whichever is less.
5250-5350	1W or 17 dBm + 10log B, whichever is less.
5470-5725	1W or 17 dBm + 10log B, whichever is less.
5725-5850	N/A
Note1: Where “B” is the 99% emissions bandwidth in MHz.	
Note2: EIRP= maximum conducted output power+ Antenna Gain.	

5.1.2 Test Setup

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

5.1.3 Test Procedure

Maximum conducted (average) output power

a) Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the conditions listed below are satisfied.

- 1) The EUT is configured to transmit continuously or to transmit with a constant duty cycle.
- 2) At all times when the EUT is transmitting, it shall be transmitting at its maximum power control level.
- 3) The integration period of the power meter exceeds the repetition period of the transmitted signal by

at least a factor of five.

b) If the transmitter does not transmit continuously, measure the duty cycle (x) of the transmitter output signal.

c) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.

d) Adjust the measurement in dBm by adding $10 \log (1/x)$ where x is the duty cycle.

Measurements of duty cycle

The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the on and off times of the transmitted signal.

Set the center frequency of the instrument to the center frequency of the transmission.

Set $RBW \geq OBW$ if possible; otherwise, set RBW to the largest available value.

Set $VBW \geq RBW$. Set detector = peak or average.

The zero-span measurement method shall not be used unless both RBW and VBW are $> 50/T$ and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring duty cycle shall not be used if $T \leq 16.7$ microseconds.)

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

5.1.4 Test Result

Please refer to ANNEX A.1.

5.2 Emission Bandwidth and 6 dB Bandwidth

5.2.1 Limit

FCC §15.407(a), RSS-247, 6.2

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

5.2.2 Test Setup

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

5.2.3 Test Procedure

Emission bandwidth

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

Occupied Bandwidth

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

6 dB bandwidth

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

5.2.4 Test Result

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

5.3 Power Spectral density (PSD)

5.3.1 Limit

FCC §15.407(a)

The maximum power spectral density should not exceed:

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

RSS-247, 6.2

The maximum power spectral density should not exceed:

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

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

Frequency Band (MHz)	Limit
5150-5250	10 dBm/MHz
5250-5350	N/A
5470-5725	N/A
5725-5850	N/A
e.i.r.p. spectral density= maximum power spectral density+ Antenna Gain.	

5.3.2 Test Setup

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

5.3.3 Test Procedure

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

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

5.3.4 Test Result

Please refer to ANNEX A.4.

5.4 Conducted Emission

5.4.1 Limit

FCC §15.207, RSS-GEN, 8.8

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

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

5.4.2 Test Setup

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

5.4.3 Test Procedure

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

5.4.4 Test Result

Please refer to ANNEX A.5.

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

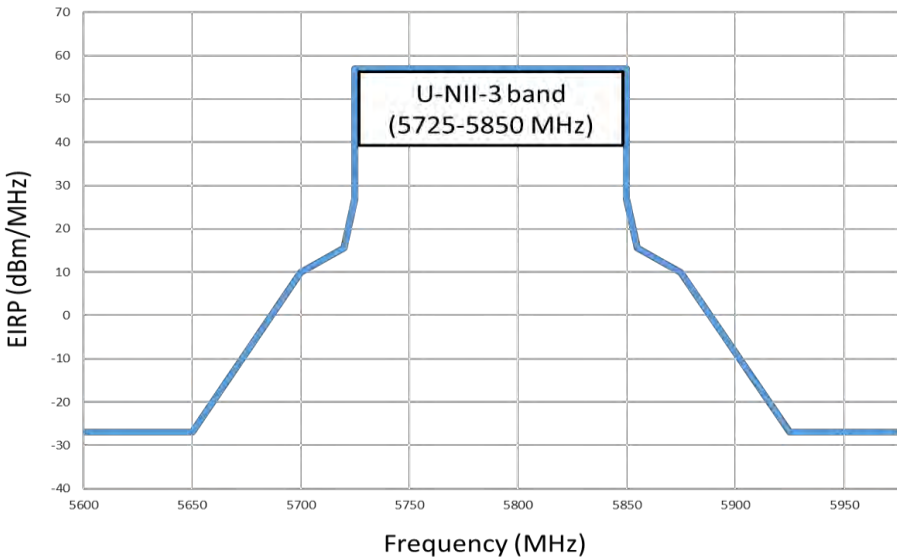
5.5.1 Limit

FCC §15.209 & 15.407(b), RSS-247, 6.2

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

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

Note ²: The tighter limit applies at the band edge.

Un-restricted band emissions	
Out Operating Band (MHz)	Limit
5150 - 5250	e.i.r.p. -27 dBm (68.2 dBuV/m@3m)
5250 - 5350	e.i.r.p. -27 dBm (68.2 dBuV/m@3m)
5470 - 5725	e.i.r.p. -27 dBm (68.2 dBuV/m@3m)
5725 - 5850	All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge. 

Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength.

5.5.2 Test Setup

The section 4.5.3-4.5.5 (Diagram 3 - Diagram 5) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.5.3 Test Procedure

Since the emission limits are specified in terms of radiated field strength levels, measurements performed to demonstrate compliance have traditionally relied on a radiated test configuration. Radiated measurements remain the principal method for demonstrating compliance to the specified limits; however antenna-port conducted measurements are also now acceptable to demonstrate compliance (see below for details). When radiated measurements are utilized, test site requirements and procedures for maximizing and measuring radiated emissions that are described in ANSI C63.10 shall be followed.

Antenna-port conducted measurements may also be used as an alternative to radiated measurements for demonstrating compliance in the restricted frequency bands. If conducted measurements are performed, then proper impedance matching must be ensured and an additional radiated test for cabinet/case spurious emissions is required.

General Procedure for conducted measurements in restricted bands

- a) Measure the conducted output power (in dBm) using the detector specified (see guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).
- b) Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies ≤ 30 MHz, 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive and 0 dB for frequencies > 1000 MHz).
- c) For devices with multiple antenna-ports, measure the power of each individual chain and sum the EIRP of all chains in linear terms (e.g., Watts, mW).
- d) Convert the resultant EIRP level to an equivalent electric field strength using the following relationship:

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

where:

E = electric field strength in dB μ V/m,

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

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

Quasi-Peak measurement procedure

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

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

emission limits using a peak detector.

Peak power measurement procedure

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

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

Table 1—RBW as a function of frequency

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

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

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

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

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

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

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

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

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

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

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

Determining the applicable transmit antenna gain

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

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

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

Radiated spurious emission test

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

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

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

The power of the EUT transmitting frequency should be ignored.

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

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

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

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

5.5.4 Test Result

Please refer to ANNEX A.6.

ANNEX A TEST RESULT

A.1 RF Output Power

Note ¹: For FCC standard, if transmitting antennas of directional gain greater than 6 dBi are used, all band maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

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

Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle	Duty Factor
11a	2.02	2.25	89.78%	0.47
11n (HT20)/11ac (VHT20)	1.89	2.12	89.13%	0.50
11n (HT40)/11ac (VHT40)	0.93	1.16	80.17%	0.96
11ac (VHT80)	0.93	1.16	80.17%	0.96

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U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	12.69	18.58	250	Pass
11a	CH44	12.54	17.95	250	Pass
11a	CH48	12.86	19.32	250	Pass
11n (HT20)	CH36	12.48	17.70	250	Pass
11n (HT20)	CH44	12.57	18.07	250	Pass
11n (HT20)	CH48	12.60	18.20	250	Pass
11n (HT40)	CH38	12.47	17.66	250	Pass
11n (HT40)	CH46	12.97	19.82	250	Pass
11ac (VHT20)	CH36	12.45	17.58	250	Pass
11ac (VHT20)	CH44	12.74	18.79	250	Pass
11ac (VHT20)	CH48	12.64	18.37	250	Pass
11ac (VHT40)	CH38	12.88	19.41	250	Pass
11ac (VHT40)	CH46	12.55	17.99	250	Pass
11ac (VHT80)	CH42	12.61	18.24	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	12.85	19.28	232	205	Pass
11a	CH60	12.48	17.70	232	205	Pass
11a	CH64	12.89	19.45	233	205	Pass
11n (HT20)	CH52	12.94	19.68	232	205	Pass
11n (HT20)	CH60	12.97	19.82	232	205	Pass
11n (HT20)	CH64	12.87	19.36	232	205	Pass
11n (HT40)	CH54	12.74	18.79	250	250	Pass
11n (HT40)	CH62	12.76	18.88	250	250	Pass
11ac (VHT20)	CH52	12.84	19.23	245	220	Pass
11ac (VHT20)	CH60	12.89	19.45	245	220	Pass
11ac (VHT20)	CH64	12.77	18.92	245	220	Pass
11ac (VHT40)	CH54	12.76	18.88	250	250	Pass
11ac (VHT40)	CH62	12.82	19.14	250	250	Pass
11ac (VHT80)	CH58	12.95	19.72	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	12.76	18.88	232	205	Pass
11a	CH116	12.78	18.97	232	205	Pass
11a	CH140	12.84	19.23	233	205	Pass
11n (HT20)	CH100	12.83	19.19	232	205	Pass
11n (HT20)	CH116	12.78	18.97	232	205	Pass
11n (HT20)	CH140	12.75	18.84	233	205	Pass
11n (HT40)	CH102	12.96	19.77	250	250	Pass
11n (HT40)	CH110	12.77	18.92	250	250	Pass
11n (HT40)	CH134	12.85	19.28	250	250	Pass
11ac (VHT20)	CH100	12.67	18.49	245	220	Pass
11ac (VHT20)	CH116	12.63	18.32	245	220	Pass
11ac (VHT20)	CH140	12.52	17.86	245	220	Pass
11ac (VHT40)	CH102	12.76	18.88	250	250	Pass
11ac (VHT40)	CH110	12.85	19.28	250	250	Pass
11ac (VHT40)	CH134	12.79	19.01	250	250	Pass
11ac (VHT80)	CH106	12.85	19.28	250	250	Pass
11ac (VHT80)	CH122	12.84	19.23	250	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC/IC Limit (mW)	Verdict
11a	CH149	12.76	18.88	1000	Pass
11a	CH157	12.78	18.97	1000	Pass
11a	CH165	12.71	18.66	1000	Pass
11n (HT20)	CH149	12.64	18.37	1000	Pass
11n (HT20)	CH157	12.55	17.99	1000	Pass
11n (HT20)	CH165	12.57	18.07	1000	Pass
11n (HT40)	CH151	12.64	18.37	1000	Pass
11n (HT40)	CH159	12.85	19.28	1000	Pass
11ac (VHT20)	CH149	12.87	19.36	1000	Pass
11ac (VHT20)	CH157	12.71	18.66	1000	Pass
11ac (VHT20)	CH165	12.64	18.37	1000	Pass
11ac (VHT40)	CH151	12.73	18.75	1000	Pass
11ac (VHT40)	CH159	12.59	18.16	1000	Pass
11ac (VHT80)	CH155	12.94	19.68	1000	Pass

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U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	12.38	17.30	250	Pass
11a	CH44	12.46	17.62	250	Pass
11a	CH48	12.48	17.70	250	Pass
11n (HT20)	CH36	12.25	16.79	250	Pass
11n (HT20)	CH44	12.42	17.46	250	Pass
11n (HT20)	CH48	12.39	17.34	250	Pass
11n (HT40)	CH38	12.10	16.22	250	Pass
11n (HT40)	CH46	12.61	18.24	250	Pass
11ac (VHT20)	CH36	12.09	16.18	250	Pass
11ac (VHT20)	CH44	12.23	16.71	250	Pass
11ac (VHT20)	CH48	12.21	16.63	250	Pass
11ac (VHT40)	CH38	12.47	17.66	250	Pass
11ac (VHT40)	CH46	12.17	16.48	250	Pass
11ac (VHT80)	CH42	12.24	16.75	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	12.57	18.07	232	205	Pass
11a	CH60	12.24	16.75	232	205	Pass
11a	CH64	12.42	17.46	233	205	Pass
11n (HT20)	CH52	12.67	18.49	232	205	Pass
11n (HT20)	CH60	12.47	17.66	232	205	Pass
11n (HT20)	CH64	12.68	18.54	232	205	Pass
11n (HT40)	CH54	12.57	18.07	250	250	Pass
11n (HT40)	CH62	12.48	17.70	250	250	Pass
11ac (VHT20)	CH52	12.22	16.67	245	220	Pass
11ac (VHT20)	CH60	12.49	17.74	245	220	Pass
11ac (VHT20)	CH64	12.37	17.26	245	220	Pass
11ac (VHT40)	CH54	12.39	17.34	250	250	Pass
11ac (VHT40)	CH62	12.28	16.90	250	250	Pass
11ac (VHT80)	CH58	12.56	18.03	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	12.46	17.62	232	205	Pass
11a	CH116	12.24	16.75	232	205	Pass
11a	CH140	12.38	17.30	233	205	Pass
11n (HT20)	CH100	12.63	18.32	232	205	Pass
11n (HT20)	CH116	12.31	17.02	232	205	Pass
11n (HT20)	CH140	12.39	17.34	233	205	Pass
11n (HT40)	CH102	12.51	17.82	250	250	Pass
11n (HT40)	CH110	12.35	17.18	250	250	Pass
11n (HT40)	CH134	12.32	17.06	250	250	Pass
11ac (VHT20)	CH100	12.16	16.44	245	220	Pass
11ac (VHT20)	CH116	12.21	16.63	245	220	Pass
11ac (VHT20)	CH140	12.26	16.83	245	220	Pass
11ac (VHT40)	CH102	12.26	16.83	250	250	Pass
11ac (VHT40)	CH110	12.45	17.58	250	250	Pass
11ac (VHT40)	CH134	12.29	16.94	250	250	Pass
11ac (VHT80)	CH106	12.46	17.62	250	250	Pass
11ac (VHT80)	CH122	12.24	16.75	250	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC/IC Limit (mW)	Verdict
11a	CH149	12.49	17.74	1000	Pass
11a	CH157	12.48	17.70	1000	Pass
11a	CH165	12.55	17.99	1000	Pass
11n (HT20)	CH149	12.36	17.22	1000	Pass
11n (HT20)	CH157	12.37	17.26	1000	Pass
11n (HT20)	CH165	12.28	16.90	1000	Pass
11n (HT40)	CH151	12.35	17.18	1000	Pass
11n (HT40)	CH159	12.39	17.34	1000	Pass
11ac (VHT20)	CH149	12.36	17.22	1000	Pass
11ac (VHT20)	CH157	12.27	16.87	1000	Pass
11ac (VHT20)	CH165	12.34	17.14	1000	Pass
11ac (VHT40)	CH151	12.25	16.79	1000	Pass
11ac (VHT40)	CH159	12.37	17.26	1000	Pass
11ac (VHT80)	CH155	12.30	16.98	1000	Pass

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U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	9.17	8.26	222.33	Pass
11a	CH44	9.69	9.31	222.33	Pass
11a	CH48	9.46	8.83	222.33	Pass
11n (HT20)	CH36	9.23	8.38	250	Pass
11n (HT20)	CH44	9.39	8.69	250	Pass
11n (HT20)	CH48	9.52	8.95	250	Pass
11n (HT40)	CH38	9.61	9.14	250	Pass
11n (HT40)	CH46	9.43	8.77	250	Pass
11ac (VHT20)	CH36	9.36	8.63	250	Pass
11ac (VHT20)	CH44	9.48	8.87	250	Pass
11ac (VHT20)	CH48	9.62	9.16	250	Pass
11ac (VHT40)	CH38	9.38	8.67	250	Pass
11ac (VHT40)	CH46	9.42	8.75	250	Pass
11ac (VHT80)	CH42	9.37	8.65	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	9.37	8.65	216.27	205	Pass
11a	CH60	9.46	8.83	216.27	205	Pass
11a	CH64	9.53	8.97	216.27	205	Pass
11n (HT20)	CH52	9.39	8.69	232	205	Pass
11n (HT20)	CH60	9.47	8.85	232	205	Pass
11n (HT20)	CH64	9.53	8.97	232	205	Pass
11n (HT40)	CH54	9.65	9.23	250	250	Pass
11n (HT40)	CH62	9.45	8.81	250	250	Pass
11ac (VHT20)	CH52	9.44	8.79	245	220	Pass
11ac (VHT20)	CH60	9.58	9.08	245	220	Pass
11ac (VHT20)	CH64	9.65	9.23	245	220	Pass
11ac (VHT40)	CH54	9.56	9.04	250	250	Pass
11ac (VHT40)	CH62	9.65	9.23	250	250	Pass
11ac (VHT80)	CH58	9.56	9.04	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	9.24	8.39	221.31	205	Pass
11a	CH116	9.35	8.61	221.31	205	Pass
11a	CH140	9.24	8.39	221.31	205	Pass
11n (HT20)	CH100	9.21	8.34	232	205	Pass
11n (HT20)	CH116	9.65	9.23	232	205	Pass
11n (HT20)	CH140	9.79	9.53	233	205	Pass
11n (HT40)	CH102	9.48	8.87	250	250	Pass
11n (HT40)	CH110	9.52	8.95	250	250	Pass
11n (HT40)	CH134	9.45	8.81	250	250	Pass
11ac (VHT20)	CH100	9.44	8.79	245	220	Pass
11ac (VHT20)	CH116	9.36	8.63	245	220	Pass
11ac (VHT20)	CH140	9.59	9.10	245	220	Pass
11ac (VHT40)	CH102	9.42	8.75	250	250	Pass
11ac (VHT40)	CH110	9.43	8.77	250	250	Pass
11ac (VHT40)	CH134	9.34	8.59	250	250	Pass
11ac (VHT80)	CH106	9.52	8.95	250	250	Pass
11ac (VHT80)	CH122	9.35	8.61	250	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC/IC Limit (mW)	Verdict
11a	CH149	9.62	9.16	849.18	Pass
11a	CH157	9.49	8.89	849.18	Pass
11a	CH165	9.35	8.61	849.18	Pass
11n (HT20)	CH149	9.64	9.20	1000	Pass
11n (HT20)	CH157	9.43	8.77	1000	Pass
11n (HT20)	CH165	9.65	9.23	1000	Pass
11n (HT40)	CH151	9.65	9.23	1000	Pass
11n (HT40)	CH159	9.53	8.97	1000	Pass
11ac (VHT20)	CH149	9.58	9.08	1000	Pass
11ac (VHT20)	CH157	9.63	9.18	1000	Pass
11ac (VHT20)	CH165	9.51	8.93	1000	Pass
11ac (VHT40)	CH151	9.61	9.14	1000	Pass
11ac (VHT40)	CH159	9.55	9.02	1000	Pass
11ac (VHT80)	CH155	9.51	8.93	1000	Pass

MIMO-Antenna B

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	9.41	8.73	222.33	Pass
11a	CH44	9.76	9.46	222.33	Pass
11a	CH48	9.82	9.59	222.33	Pass
11n (HT20)	CH36	9.77	9.48	250	Pass
11n (HT20)	CH44	9.53	8.97	250	Pass
11n (HT20)	CH48	9.42	8.75	250	Pass
11n (HT40)	CH38	9.38	8.67	250	Pass
11n (HT40)	CH46	9.65	9.23	250	Pass
11ac (VHT20)	CH36	9.47	8.85	250	Pass
11ac (VHT20)	CH44	9.74	9.42	250	Pass
11ac (VHT20)	CH48	9.77	9.48	250	Pass
11ac (VHT40)	CH38	9.58	9.08	250	Pass
11ac (VHT40)	CH46	9.49	8.89	250	Pass
11ac (VHT80)	CH42	9.38	8.67	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	9.47	8.85	216.27	205	Pass
11a	CH60	9.67	9.27	216.27	205	Pass
11a	CH64	9.73	9.40	216.27	205	Pass
11n (HT20)	CH52	9.57	9.06	232	205	Pass
11n (HT20)	CH60	9.49	8.89	232	205	Pass
11n (HT20)	CH64	9.67	9.27	232	205	Pass
11n (HT40)	CH54	9.75	9.44	250	250	Pass
11n (HT40)	CH62	9.54	8.99	250	250	Pass
11ac (VHT20)	CH52	9.42	8.75	245	220	Pass
11ac (VHT20)	CH60	9.81	9.57	245	220	Pass
11ac (VHT20)	CH64	9.57	9.06	245	220	Pass
11ac (VHT40)	CH54	9.69	9.31	250	250	Pass
11ac (VHT40)	CH62	9.49	8.89	250	250	Pass
11ac (VHT80)	CH58	9.41	8.73	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	9.35	8.61	221.31	205	Pass
11a	CH116	9.42	8.75	221.31	205	Pass
11a	CH140	9.46	8.83	221.31	205	Pass
11n (HT20)	CH100	9.55	9.02	232	205	Pass
11n (HT20)	CH116	9.76	9.46	232	205	Pass
11n (HT20)	CH140	9.47	8.85	233	205	Pass
11n (HT40)	CH102	9.35	8.61	250	250	Pass
11n (HT40)	CH110	9.45	8.81	250	250	Pass
11n (HT40)	CH134	9.31	8.53	250	250	Pass
11ac (VHT20)	CH100	9.71	9.35	245	220	Pass
11ac (VHT20)	CH116	9.42	8.75	245	220	Pass
11ac (VHT20)	CH140	9.54	8.99	245	220	Pass
11ac (VHT40)	CH102	9.46	8.83	250	250	Pass
11ac (VHT40)	CH110	9.41	8.73	250	250	Pass
11ac (VHT40)	CH134	9.27	8.45	250	250	Pass
11ac (VHT80)	CH106	9.79	9.53	250	250	Pass
11ac (VHT80)	CH122	9.34	8.59	250	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC/IC Limit (mW)	Verdict
11a	CH149	9.39	8.69	849.18	Pass
11a	CH157	9.68	9.29	849.18	Pass
11a	CH165	9.56	9.04	849.18	Pass
11n (HT20)	CH149	9.39	8.69	1000	Pass
11n (HT20)	CH157	9.34	8.59	1000	Pass
11n (HT20)	CH165	9.63	9.18	1000	Pass
11n (HT40)	CH151	9.35	8.61	1000	Pass
11n (HT40)	CH159	9.51	8.93	1000	Pass
11ac (VHT20)	CH149	9.69	9.31	1000	Pass
11ac (VHT20)	CH157	9.77	9.48	1000	Pass
11ac (VHT20)	CH165	9.72	9.38	1000	Pass
11ac (VHT40)	CH151	9.52	8.95	1000	Pass
11ac (VHT40)	CH159	9.69	9.31	1000	Pass
11ac (VHT80)	CH155	9.45	8.81	1000	Pass

MIMO

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	12.30	16.99	222.33	Pass
11a	CH44	12.74	18.77	222.33	Pass
11a	CH48	12.65	18.42	222.33	Pass
11n (HT20)	CH36	12.52	17.86	250	Pass
11n (HT20)	CH44	12.47	17.66	250	Pass
11n (HT20)	CH48	12.48	17.70	250	Pass
11n (HT40)	CH38	12.51	17.81	250	Pass
11n (HT40)	CH46	12.55	18.00	250	Pass
11ac (VHT20)	CH36	12.43	17.48	250	Pass
11ac (VHT20)	CH44	12.62	18.29	250	Pass
11ac (VHT20)	CH48	12.71	18.65	250	Pass
11ac (VHT40)	CH38	12.49	17.75	250	Pass
11ac (VHT40)	CH46	12.47	17.64	250	Pass
11ac (VHT80)	CH42	12.39	17.32	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	12.43	17.50	216.27	205	Pass
11a	CH60	12.58	18.10	216.27	205	Pass
11a	CH64	12.64	18.37	216.27	205	Pass
11n (HT20)	CH52	12.49	17.75	232	205	Pass
11n (HT20)	CH60	12.49	17.74	232	205	Pass
11n (HT20)	CH64	12.61	18.24	232	205	Pass
11n (HT40)	CH54	12.71	18.67	250	250	Pass
11n (HT40)	CH62	12.51	17.81	250	250	Pass
11ac (VHT20)	CH52	12.44	17.54	245	220	Pass
11ac (VHT20)	CH60	12.71	18.65	245	220	Pass
11ac (VHT20)	CH64	12.62	18.28	245	220	Pass
11ac (VHT40)	CH54	12.64	18.35	250	250	Pass
11ac (VHT40)	CH62	12.58	18.12	250	250	Pass
11ac (VHT80)	CH58	12.50	17.77	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	12.31	17.00	221.31	205	Pass
11a	CH116	12.40	17.36	221.31	205	Pass
11a	CH140	12.36	17.23	221.31	205	Pass
11n (HT20)	CH100	12.39	17.35	232	205	Pass
11n (HT20)	CH116	12.72	18.69	232	205	Pass
11n (HT20)	CH140	12.64	18.38	233	205	Pass
11n (HT40)	CH102	12.43	17.48	250	250	Pass
11n (HT40)	CH110	12.50	17.76	250	250	Pass
11n (HT40)	CH134	12.39	17.34	250	250	Pass
11ac (VHT20)	CH100	12.59	18.14	245	220	Pass
11ac (VHT20)	CH116	12.40	17.38	245	220	Pass
11ac (VHT20)	CH140	12.58	18.09	245	220	Pass
11ac (VHT40)	CH102	12.45	17.58	250	250	Pass
11ac (VHT40)	CH110	12.43	17.50	250	250	Pass
11ac (VHT40)	CH134	12.32	17.04	250	250	Pass
11ac (VHT80)	CH106	12.67	18.48	250	250	Pass
11ac (VHT80)	CH122	12.36	17.20	250	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC/IC Limit (mW)	Verdict
11a	CH149	12.52	17.85	849.18	Pass
11a	CH157	12.60	18.18	849.18	Pass
11a	CH165	12.47	17.65	849.18	Pass
11n (HT20)	CH149	12.53	17.89	1000	Pass
11n (HT20)	CH157	12.40	17.36	1000	Pass
11n (HT20)	CH165	12.65	18.41	1000	Pass
11n (HT40)	CH151	12.51	17.84	1000	Pass
11n (HT40)	CH159	12.53	17.91	1000	Pass
11ac (VHT20)	CH149	12.65	18.39	1000	Pass
11ac (VHT20)	CH157	12.71	18.67	1000	Pass
11ac (VHT20)	CH165	12.63	18.31	1000	Pass
11ac (VHT40)	CH151	12.58	18.09	1000	Pass
11ac (VHT40)	CH159	12.63	18.33	1000	Pass
11ac (VHT80)	CH155	12.49	17.74	1000	Pass

E.I.R.PSISO-Antenna A

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	16.19	41.59	163	Pass
11a	CH44	16.04	40.18	163	Pass
11a	CH48	16.36	43.25	163	Pass
11n (HT20)	CH36	15.98	39.63	163	Pass
11n (HT20)	CH44	16.07	40.46	163	Pass
11n (HT20)	CH48	16.10	40.74	163	Pass
11n (HT40)	CH38	15.97	39.54	200	Pass
11n (HT40)	CH46	16.47	44.36	200	Pass
11ac (VHT20)	CH36	15.95	39.36	175	Pass
11ac (VHT20)	CH44	16.24	42.07	175	Pass
11ac (VHT20)	CH48	16.14	41.11	175	Pass
11ac (VHT40)	CH38	16.38	43.45	200	Pass
11ac (VHT40)	CH46	16.05	40.27	200	Pass
11ac (VHT80)	CH42	16.11	40.83	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	16.15	41.21	817	Pass
11a	CH60	15.78	37.84	817	Pass
11a	CH64	16.19	41.59	817	Pass
11n (HT20)	CH52	16.24	42.07	817	Pass
11n (HT20)	CH60	16.27	42.36	817	Pass
11n (HT20)	CH64	16.17	41.40	817	Pass
11n (HT40)	CH54	16.04	40.18	1000	Pass
11n (HT40)	CH62	16.06	40.36	1000	Pass
11ac (VHT20)	CH52	16.14	41.11	877	Pass
11ac (VHT20)	CH60	16.19	41.59	877	Pass
11ac (VHT20)	CH64	16.07	40.46	877	Pass
11ac (VHT40)	CH54	16.06	40.36	1000	Pass
11ac (VHT40)	CH62	16.12	40.93	1000	Pass
11ac (VHT80)	CH58	16.25	42.17	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	15.96	39.45	818	Pass
11a	CH116	15.98	39.63	818	Pass
11a	CH140	16.04	40.18	818	Pass
11n (HT20)	CH100	16.03	40.09	818	Pass
11n (HT20)	CH116	15.98	39.63	818	Pass
11n (HT20)	CH140	15.95	39.36	818	Pass
11n (HT40)	CH102	16.16	41.30	1000	Pass
11n (HT40)	CH110	15.97	39.54	1000	Pass
11n (HT40)	CH134	16.05	40.27	1000	Pass
11ac (VHT20)	CH100	15.87	38.64	877	Pass
11ac (VHT20)	CH116	15.83	38.28	878	Pass
11ac (VHT20)	CH140	15.72	37.33	878	Pass
11ac (VHT40)	CH102	15.96	39.45	1000	Pass
11ac (VHT40)	CH110	16.05	40.27	1000	Pass
11ac (VHT40)	CH134	15.99	39.72	1000	Pass
11ac (VHT80)	CH106	16.05	40.27	1000	Pass
11ac (VHT80)	CH122	16.04	40.18	1000	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH149	16.46	44.26	Pass
11a	CH157	16.48	44.46	Pass
11a	CH165	16.41	43.75	Pass
11n (HT20)	CH149	16.34	43.05	Pass
11n (HT20)	CH157	16.25	42.17	Pass
11n (HT20)	CH165	16.27	42.36	Pass
11n (HT40)	CH151	16.34	43.05	Pass
11n (HT40)	CH159	16.55	45.19	Pass
11ac (VHT20)	CH149	16.57	45.39	Pass
11ac (VHT20)	CH157	16.41	43.75	Pass
11ac (VHT20)	CH165	16.34	43.05	Pass
11ac (VHT40)	CH151	16.43	43.95	Pass
11ac (VHT40)	CH159	16.29	42.56	Pass
11ac (VHT80)	CH155	16.64	46.13	Pass

SISO-Antenna B

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	15.88	38.73	163	Pass
11a	CH44	15.96	39.45	163	Pass
11a	CH48	15.98	39.63	163	Pass
11n (HT20)	CH36	15.75	37.58	163	Pass
11n (HT20)	CH44	15.92	39.08	163	Pass
11n (HT20)	CH48	15.89	38.82	163	Pass
11n (HT40)	CH38	15.60	36.31	200	Pass
11n (HT40)	CH46	16.11	40.83	200	Pass
11ac (VHT20)	CH36	15.59	36.22	175	Pass
11ac (VHT20)	CH44	15.73	37.41	175	Pass
11ac (VHT20)	CH48	15.71	37.24	175	Pass
11ac (VHT40)	CH38	15.97	39.54	200	Pass
11ac (VHT40)	CH46	15.67	36.90	200	Pass
11ac (VHT80)	CH42	15.74	37.50	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	15.87	38.64	817	Pass
11a	CH60	15.54	35.81	817	Pass
11a	CH64	15.72	37.33	817	Pass
11n (HT20)	CH52	15.97	39.54	817	Pass
11n (HT20)	CH60	15.77	37.76	817	Pass
11n (HT20)	CH64	15.98	39.63	817	Pass
11n (HT40)	CH54	15.87	38.64	1000	Pass
11n (HT40)	CH62	15.78	37.84	1000	Pass
11ac (VHT20)	CH52	15.52	35.65	877	Pass
11ac (VHT20)	CH60	15.79	37.93	877	Pass
11ac (VHT20)	CH64	15.67	36.90	877	Pass
11ac (VHT40)	CH54	15.69	37.07	1000	Pass
11ac (VHT40)	CH62	15.58	36.14	1000	Pass
11ac (VHT80)	CH58	15.86	38.55	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	15.66	36.81	818	Pass
11a	CH116	15.44	34.99	818	Pass
11a	CH140	15.58	36.14	818	Pass
11n (HT20)	CH100	15.83	38.28	818	Pass
11n (HT20)	CH116	15.51	35.56	818	Pass
11n (HT20)	CH140	15.59	36.22	818	Pass
11n (HT40)	CH102	15.71	37.24	1000	Pass
11n (HT40)	CH110	15.55	35.89	1000	Pass
11n (HT40)	CH134	15.52	35.65	1000	Pass
11ac (VHT20)	CH100	15.36	34.36	877	Pass
11ac (VHT20)	CH116	15.41	34.75	878	Pass
11ac (VHT20)	CH140	15.46	35.16	878	Pass
11ac (VHT40)	CH102	15.46	35.16	1000	Pass
11ac (VHT40)	CH110	15.65	36.73	1000	Pass
11ac (VHT40)	CH134	15.49	35.40	1000	Pass
11ac (VHT80)	CH106	15.66	36.81	1000	Pass
11ac (VHT80)	CH122	15.44	34.99	1000	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH149	16.19	41.59	Pass
11a	CH157	16.18	41.50	Pass
11a	CH165	16.25	42.17	Pass
11n (HT20)	CH149	16.06	40.36	Pass
11n (HT20)	CH157	16.07	40.46	Pass
11n (HT20)	CH165	15.98	39.63	Pass
11n (HT40)	CH151	16.05	40.27	Pass
11n (HT40)	CH159	16.09	40.64	Pass
11ac (VHT20)	CH149	16.06	40.36	Pass
11ac (VHT20)	CH157	15.97	39.54	Pass
11ac (VHT20)	CH165	16.04	40.18	Pass
11ac (VHT40)	CH151	15.95	39.36	Pass
11ac (VHT40)	CH159	16.07	40.46	Pass
11ac (VHT80)	CH155	16.00	39.81	Pass

MIMO-Antenna A

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	12.67	18.49	163	Pass
11a	CH44	13.19	20.84	163	Pass
11a	CH48	12.96	19.77	163	Pass
11n (HT20)	CH36	12.73	18.75	163	Pass
11n (HT20)	CH44	12.89	19.45	163	Pass
11n (HT20)	CH48	13.02	20.04	163	Pass
11n (HT40)	CH38	13.11	20.46	200	Pass
11n (HT40)	CH46	12.93	19.63	200	Pass
11ac (VHT20)	CH36	12.86	19.32	175	Pass
11ac (VHT20)	CH44	12.98	19.86	175	Pass
11ac (VHT20)	CH48	13.12	20.51	175	Pass
11ac (VHT40)	CH38	12.88	19.41	200	Pass
11ac (VHT40)	CH46	12.92	19.59	200	Pass
11ac (VHT80)	CH42	12.87	19.36	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	12.67	18.49	817	Pass
11a	CH60	12.76	18.88	817	Pass
11a	CH64	12.83	19.19	817	Pass
11n (HT20)	CH52	12.69	18.58	817	Pass
11n (HT20)	CH60	12.77	18.92	817	Pass
11n (HT20)	CH64	12.83	19.19	817	Pass
11n (HT40)	CH54	12.95	19.72	1000	Pass
11n (HT40)	CH62	12.75	18.84	1000	Pass
11ac (VHT20)	CH52	12.74	18.79	877	Pass
11ac (VHT20)	CH60	12.88	19.41	877	Pass
11ac (VHT20)	CH64	12.95	19.72	877	Pass
11ac (VHT40)	CH54	12.86	19.32	1000	Pass
11ac (VHT40)	CH62	12.95	19.72	1000	Pass
11ac (VHT80)	CH58	12.86	19.32	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	818	Pass
11a	CH116	12.55	17.99	818	Pass
11a	CH140	12.44	17.54	818	Pass
11n (HT20)	CH100	12.41	17.42	818	Pass
11n (HT20)	CH116	12.85	19.28	818	Pass
11n (HT20)	CH140	12.99	19.91	818	Pass
11n (HT40)	CH102	12.68	18.54	1000	Pass
11n (HT40)	CH110	12.72	18.71	1000	Pass
11n (HT40)	CH134	12.65	18.41	1000	Pass
11ac (VHT20)	CH100	12.64	18.37	877	Pass
11ac (VHT20)	CH116	12.56	18.03	878	Pass
11ac (VHT20)	CH140	12.79	19.01	878	Pass
11ac (VHT40)	CH102	12.62	18.28	1000	Pass
11ac (VHT40)	CH110	12.63	18.32	1000	Pass
11ac (VHT40)	CH134	12.54	17.95	1000	Pass
11ac (VHT80)	CH106	12.72	18.71	1000	Pass
11ac (VHT80)	CH122	12.55	17.99	1000	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH149	13.32	21.48	Pass
11a	CH157	13.19	20.84	Pass
11a	CH165	13.05	20.18	Pass
11n (HT20)	CH149	13.34	21.58	Pass
11n (HT20)	CH157	13.13	20.56	Pass
11n (HT20)	CH165	13.35	21.63	Pass
11n (HT40)	CH151	13.35	21.63	Pass
11n (HT40)	CH159	13.23	21.04	Pass
11ac (VHT20)	CH149	13.28	21.28	Pass
11ac (VHT20)	CH157	13.33	21.53	Pass
11ac (VHT20)	CH165	13.21	20.94	Pass
11ac (VHT40)	CH151	13.31	21.43	Pass
11ac (VHT40)	CH159	13.25	21.13	Pass
11ac (VHT80)	CH155	13.21	20.94	Pass

MIMO-Antenna B

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	12.91	19.54	163	Pass
11a	CH44	13.26	21.18	163	Pass
11a	CH48	13.32	21.48	163	Pass
11n (HT20)	CH36	13.27	21.23	163	Pass
11n (HT20)	CH44	13.03	20.09	163	Pass
11n (HT20)	CH48	12.92	19.59	163	Pass
11n (HT40)	CH38	12.88	19.41	200	Pass
11n (HT40)	CH46	13.15	20.65	200	Pass
11ac (VHT20)	CH36	12.97	19.82	175	Pass
11ac (VHT20)	CH44	13.24	21.09	175	Pass
11ac (VHT20)	CH48	13.27	21.23	175	Pass
11ac (VHT40)	CH38	13.08	20.32	200	Pass
11ac (VHT40)	CH46	12.99	19.91	200	Pass
11ac (VHT80)	CH42	12.88	19.41	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	12.77	18.92	817	Pass
11a	CH60	12.97	19.82	817	Pass
11a	CH64	13.03	20.09	817	Pass
11n (HT20)	CH52	12.87	19.36	817	Pass
11n (HT20)	CH60	12.79	19.01	817	Pass
11n (HT20)	CH64	12.97	19.82	817	Pass
11n (HT40)	CH54	13.05	20.18	1000	Pass
11n (HT40)	CH62	12.84	19.23	1000	Pass
11ac (VHT20)	CH52	12.72	18.71	877	Pass
11ac (VHT20)	CH60	13.11	20.46	877	Pass
11ac (VHT20)	CH64	12.87	19.36	877	Pass
11ac (VHT40)	CH54	12.99	19.91	1000	Pass
11ac (VHT40)	CH62	12.79	19.01	1000	Pass
11ac (VHT80)	CH58	12.71	18.66	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	12.55	17.99	818	Pass
11a	CH116	12.62	18.28	818	Pass
11a	CH140	12.66	18.45	818	Pass
11n (HT20)	CH100	12.75	18.84	818	Pass
11n (HT20)	CH116	12.96	19.77	818	Pass
11n (HT20)	CH140	12.67	18.49	818	Pass
11n (HT40)	CH102	12.55	17.99	1000	Pass
11n (HT40)	CH110	12.65	18.41	1000	Pass
11n (HT40)	CH134	12.51	17.82	1000	Pass
11ac (VHT20)	CH100	12.91	19.54	877	Pass
11ac (VHT20)	CH116	12.62	18.28	878	Pass
11ac (VHT20)	CH140	12.74	18.79	878	Pass
11ac (VHT40)	CH102	12.66	18.45	1000	Pass
11ac (VHT40)	CH110	12.61	18.24	1000	Pass
11ac (VHT40)	CH134	12.47	17.66	1000	Pass
11ac (VHT80)	CH106	12.99	19.91	1000	Pass
11ac (VHT80)	CH122	12.54	17.95	1000	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH149	13.09	20.37	Pass
11a	CH157	13.38	21.78	Pass
11a	CH165	13.26	21.18	Pass
11n (HT20)	CH149	13.09	20.37	Pass
11n (HT20)	CH157	13.04	20.14	Pass
11n (HT20)	CH165	13.33	21.53	Pass
11n (HT40)	CH151	13.05	20.18	Pass
11n (HT40)	CH159	13.21	20.94	Pass
11ac (VHT20)	CH149	13.39	21.83	Pass
11ac (VHT20)	CH157	13.47	22.23	Pass
11ac (VHT20)	CH165	13.42	21.98	Pass
11ac (VHT40)	CH151	13.22	20.99	Pass
11ac (VHT40)	CH159	13.39	21.83	Pass
11ac (VHT80)	CH155	13.15	20.65	Pass

MIMO

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	15.80	38.04	163	Pass
11a	CH44	16.24	42.03	163	Pass
11a	CH48	16.15	41.25	163	Pass
11n (HT20)	CH36	16.02	39.98	163	Pass
11n (HT20)	CH44	15.97	39.54	163	Pass
11n (HT20)	CH48	15.98	39.63	163	Pass
11n (HT40)	CH38	16.01	39.87	200	Pass
11n (HT40)	CH46	16.05	40.29	200	Pass
11ac (VHT20)	CH36	15.93	39.13	175	Pass
11ac (VHT20)	CH44	16.12	40.95	175	Pass
11ac (VHT20)	CH48	16.21	41.74	175	Pass
11ac (VHT40)	CH38	15.99	39.73	200	Pass
11ac (VHT40)	CH46	15.97	39.50	200	Pass
11ac (VHT80)	CH42	15.89	38.77	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	15.73	37.42	817	Pass
11a	CH60	15.88	38.70	817	Pass
11a	CH64	15.94	39.28	817	Pass
11n (HT20)	CH52	15.79	37.94	817	Pass
11n (HT20)	CH60	15.79	37.93	817	Pass
11n (HT20)	CH64	15.91	39.00	817	Pass
11n (HT40)	CH54	16.01	39.91	1000	Pass
11n (HT40)	CH62	15.81	38.07	1000	Pass
11ac (VHT20)	CH52	15.74	37.50	877	Pass
11ac (VHT20)	CH60	16.01	39.87	877	Pass
11ac (VHT20)	CH64	15.92	39.09	877	Pass
11ac (VHT40)	CH54	15.94	39.23	1000	Pass
11ac (VHT40)	CH62	15.88	38.74	1000	Pass
11ac (VHT80)	CH58	15.80	37.98	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	15.51	35.53	818	Pass
11a	CH116	15.60	36.27	818	Pass
11a	CH140	15.56	35.99	818	Pass
11n (HT20)	CH100	15.59	36.25	818	Pass
11n (HT20)	CH116	15.92	39.04	818	Pass
11n (HT20)	CH140	15.84	38.40	818	Pass
11n (HT40)	CH102	15.63	36.52	1000	Pass
11n (HT40)	CH110	15.70	37.11	1000	Pass
11n (HT40)	CH134	15.59	36.23	1000	Pass
11ac (VHT20)	CH100	15.79	37.91	877	Pass
11ac (VHT20)	CH116	15.60	36.31	878	Pass
11ac (VHT20)	CH140	15.78	37.80	878	Pass
11ac (VHT40)	CH102	15.65	36.73	1000	Pass
11ac (VHT40)	CH110	15.63	36.56	1000	Pass
11ac (VHT40)	CH134	15.52	35.61	1000	Pass
11ac (VHT80)	CH106	15.87	38.61	1000	Pass
11ac (VHT80)	CH122	15.56	35.94	1000	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH149	16.22	41.85	Pass
11a	CH157	16.30	42.62	Pass
11a	CH165	16.17	41.37	Pass
11n (HT20)	CH149	16.23	41.95	Pass
11n (HT20)	CH157	16.10	40.70	Pass
11n (HT20)	CH165	16.35	43.16	Pass
11n (HT40)	CH151	16.21	41.81	Pass
11n (HT40)	CH159	16.23	41.98	Pass
11ac (VHT20)	CH149	16.35	43.11	Pass
11ac (VHT20)	CH157	16.41	43.76	Pass
11ac (VHT20)	CH165	16.33	42.92	Pass
11ac (VHT40)	CH151	16.28	42.42	Pass
11ac (VHT40)	CH159	16.33	42.96	Pass
11ac (VHT80)	CH155	16.19	41.59	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ2411001-602 Data Part 1.pdf”.

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

Test Data

SISO-Antenna A

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	18.45	16.31
11a	CH44	18.47	16.32
11a	CH48	18.48	16.31
11n (HT20)	CH36	18.45	16.31
11n (HT20)	CH44	18.46	16.31
11n (HT20)	CH48	18.46	16.31
11n (HT40)	CH38	41.38	36.29
11n (HT40)	CH46	41.39	36.29
11ac (VHT20)	CH36	19.44	17.50
11ac (VHT20)	CH44	19.44	17.50
11ac (VHT20)	CH48	19.42	17.50
11ac (VHT40)	CH38	41.38	36.30
11ac (VHT40)	CH46	41.33	36.30
11ac (VHT80)	CH42	83.53	75.18

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	18.45	16.31
11a	CH60	18.46	16.31
11a	CH64	18.47	16.31
11n (HT20)	CH52	18.46	16.31
11n (HT20)	CH60	18.46	16.31
11n (HT20)	CH64	18.46	16.31
11n (HT40)	CH54	41.38	36.29
11n (HT40)	CH62	41.37	36.27
11ac (VHT20)	CH52	19.44	17.50
11ac (VHT20)	CH60	19.44	17.50
11ac (VHT20)	CH64	19.43	17.50
11ac (VHT40)	CH54	41.37	36.29
11ac (VHT40)	CH62	41.34	36.29
11ac (VHT80)	CH58	83.39	75.17

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	18.42	16.32
11a	CH116	18.46	16.32
11a	CH140	18.47	16.32
11n (HT20)	CH100	18.45	16.31
11n (HT20)	CH116	18.45	16.32
11n (HT20)	CH140	18.47	16.32
11n (HT40)	CH102	41.30	36.28
11n (HT40)	CH118	41.39	36.31
11n (HT40)	CH134	41.35	36.32
11ac (VHT20)	CH100	19.43	17.51
11ac (VHT20)	CH116	19.47	17.51
11ac (VHT20)	CH140	19.49	17.51
11ac (VHT40)	CH102	41.30	36.30
11ac (VHT40)	CH118	41.40	36.32
11ac (VHT40)	CH134	41.34	36.31
11ac (VHT80)	CH106	83.35	75.18
11ac (VHT80)	CH122	83.43	75.26

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	18.50	16.32
11a	CH157	18.49	16.33
11a	CH165	18.50	16.33
11n (HT20)	CH149	18.51	16.32
11n (HT20)	CH157	18.55	16.33
11n (HT20)	CH165	18.54	16.32
11n (HT40)	CH151	41.31	36.36
11n (HT40)	CH159	41.52	36.34
11ac (VHT20)	CH149	19.47	17.51
11ac (VHT20)	CH157	19.49	17.52
11ac (VHT20)	CH165	19.49	17.52
11ac (VHT40)	CH151	41.39	36.36
11ac (VHT40)	CH159	41.53	36.35
11ac (VHT80)	CH155	98.17	75.52

A.3 6 dB Bandwidth

Note ¹: Test plots please refer to the document “Annex No.: BL-SZ2411001-602 Data Part 2.pdf”.

Note ²: All antenna were tested, but only the worst case has been reported in this report.

Test Data

SISO-Antenna A

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	16.60	500.00	Pass
11a	CH157	16.50	500.00	Pass
11a	CH165	16.50	500.00	Pass
11n (HT20)	CH149	16.50	500.00	Pass
11n (HT20)	CH157	16.50	500.00	Pass
11n (HT20)	CH165	16.50	500.00	Pass
11n (HT40)	CH151	35.40	500.00	Pass
11n (HT40)	CH159	35.40	500.00	Pass
11ac (VHT20)	CH149	17.50	500.00	Pass
11ac (VHT20)	CH157	17.50	500.00	Pass
11ac (VHT20)	CH165	17.60	500.00	Pass
11ac (VHT40)	CH151	35.40	500.00	Pass
11ac (VHT40)	CH159	35.40	500.00	Pass
11ac (VHT80)	CH155	74.00	500.00	Pass

A.4 Power Spectral Density

Note¹: Test plots please refer to the document “Annex No.: BL-SZ2411001-602 Data Part 3.pdf”.

Note²: All antenna were tested, but only the worst case has been reported in this report.

Test Data

SISO-Antenna A

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH36	0.05	11.00	Pass
11a	CH44	-0.29	11.00	Pass
11a	CH48	-0.11	11.00	Pass
11n (HT20)	CH36	-0.16	11.00	Pass
11n (HT20)	CH44	-0.09	11.00	Pass
11n (HT20)	CH48	-0.11	11.00	Pass
11n (HT40)	CH38	-2.15	11.00	Pass
11n (HT40)	CH46	-2.38	11.00	Pass
11ac (VHT20)	CH36	-0.76	11.00	Pass
11ac (VHT20)	CH44	-0.51	11.00	Pass
11ac (VHT20)	CH48	-0.14	11.00	Pass
11ac (VHT40)	CH38	-2.60	11.00	Pass
11ac (VHT40)	CH46	-2.73	11.00	Pass
11ac (VHT80)	CH42	-5.95	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	FCC/IC Limit (dBm/MHz)	Verdict
11a	CH52	0.60	11.00	Pass
11a	CH60	0.58	11.00	Pass
11a	CH64	0.49	11.00	Pass
11n (HT20)	CH52	0.47	11.00	Pass
11n (HT20)	CH60	0.52	11.00	Pass
11n (HT20)	CH64	0.66	11.00	Pass
11n (HT40)	CH54	-2.44	11.00	Pass
11n (HT40)	CH62	-2.13	11.00	Pass
11ac (VHT20)	CH52	0.26	11.00	Pass
11ac (VHT20)	CH60	0.58	11.00	Pass
11ac (VHT20)	CH64	0.30	11.00	Pass
11ac (VHT40)	CH54	-2.54	11.00	Pass
11ac (VHT40)	CH62	-2.04	11.00	Pass
11ac (VHT80)	CH58	-5.49	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	FCC/IC Limit (dBm/MHz)	Verdict
11a	CH100	-0.07	11.00	Pass
11a	CH116	-0.39	11.00	Pass
11a	CH140	-0.49	11.00	Pass
11n (HT20)	CH100	0.14	11.00	Pass
11n (HT20)	CH116	-0.20	11.00	Pass
11n (HT20)	CH140	-0.30	11.00	Pass
11n (HT40)	CH102	-2.15	11.00	Pass
11n (HT40)	CH118	-3.29	11.00	Pass
11n (HT40)	CH134	-4.05	11.00	Pass
11ac (VHT20)	CH100	-0.59	11.00	Pass
11ac (VHT20)	CH116	-1.18	11.00	Pass
11ac (VHT20)	CH140	-1.74	11.00	Pass
11ac (VHT40)	CH102	-2.67	11.00	Pass
11ac (VHT40)	CH118	-3.39	11.00	Pass
11ac (VHT40)	CH134	-3.19	11.00	Pass
11ac (VHT80)	CH106	-5.58	11.00	Pass
11ac (VHT80)	CH122	-6.14	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	FCC/IC Limit (dBm/500kHz)	Verdict
11a	CH149	-2.11	30.00	Pass
11a	CH157	-2.13	30.00	Pass
11a	CH165	-1.17	30.00	Pass
11n (HT20)	CH149	-1.99	30.00	Pass
11n (HT20)	CH157	-1.67	30.00	Pass
11n (HT20)	CH165	-1.34	30.00	Pass
11n (HT40)	CH151	-4.79	30.00	Pass
11n (HT40)	CH159	-4.38	30.00	Pass
11ac (VHT20)	CH149	-2.06	30.00	Pass
11ac (VHT20)	CH157	-1.94	30.00	Pass
11ac (VHT20)	CH165	-1.42	30.00	Pass
11ac (VHT40)	CH151	-4.38	30.00	Pass
11ac (VHT40)	CH159	-4.50	30.00	Pass
11ac (VHT80)	CH155	-7.96	30.00	Pass

E.I.R.P

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	E.I.R.P Limit (dBm/MHz)	Verdict
11a	CH36	3.55	10.00	Pass
11a	CH44	3.21	10.00	Pass
11a	CH48	3.39	10.00	Pass
11n (HT20)	CH36	3.34	10.00	Pass
11n (HT20)	CH44	3.42	10.00	Pass
11n (HT20)	CH48	3.40	10.00	Pass
11n (HT40)	CH38	1.36	10.00	Pass
11n (HT40)	CH46	1.13	10.00	Pass
11ac (VHT20)	CH36	2.74	10.00	Pass
11ac (VHT20)	CH44	2.99	10.00	Pass
11ac (VHT20)	CH48	3.36	10.00	Pass
11ac (VHT40)	CH38	0.90	10.00	Pass
11ac (VHT40)	CH46	0.77	10.00	Pass
11ac (VHT80)	CH42	-2.45	10.00	Pass

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH52	3.90	Pass
11a	CH60	3.88	Pass
11a	CH64	3.79	Pass
11n (HT20)	CH52	3.77	Pass
11n (HT20)	CH60	3.82	Pass
11n (HT20)	CH64	3.96	Pass
11n (HT40)	CH54	0.86	Pass
11n (HT40)	CH62	1.17	Pass
11ac (VHT20)	CH52	3.56	Pass
11ac (VHT20)	CH60	3.88	Pass
11ac (VHT20)	CH64	3.60	Pass
11ac (VHT40)	CH54	0.76	Pass
11ac (VHT40)	CH62	1.26	Pass
11ac (VHT80)	CH58	-2.19	Pass

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH100	3.14	Pass
11a	CH116	2.81	Pass
11a	CH140	2.72	Pass
11n (HT20)	CH100	3.34	Pass
11n (HT20)	CH116	3.01	Pass
11n (HT20)	CH140	2.90	Pass
11n (HT40)	CH102	1.06	Pass
11n (HT40)	CH118	-0.09	Pass
11n (HT40)	CH134	-0.85	Pass
11ac (VHT20)	CH100	2.62	Pass
11ac (VHT20)	CH116	2.02	Pass
11ac (VHT20)	CH140	1.46	Pass
11ac (VHT40)	CH102	0.53	Pass
11ac (VHT40)	CH118	-0.19	Pass
11ac (VHT40)	CH134	0.01	Pass
11ac (VHT80)	CH106	-2.38	Pass
11ac (VHT80)	CH122	-2.94	Pass

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH149	1.59	Pass
11a	CH157	1.57	Pass
11a	CH165	2.53	Pass
11n (HT20)	CH149	1.71	Pass
11n (HT20)	CH157	2.03	Pass
11n (HT20)	CH165	2.36	Pass
11n (HT40)	CH151	-1.09	Pass
11n (HT40)	CH159	-0.68	Pass
11ac (VHT20)	CH149	1.64	Pass
11ac (VHT20)	CH157	1.76	Pass
11ac (VHT20)	CH165	2.28	Pass
11ac (VHT40)	CH151	-0.68	Pass
11ac (VHT40)	CH159	-0.80	Pass
11ac (VHT80)	CH155	-4.26	Pass

A.5 Conducted Emissions

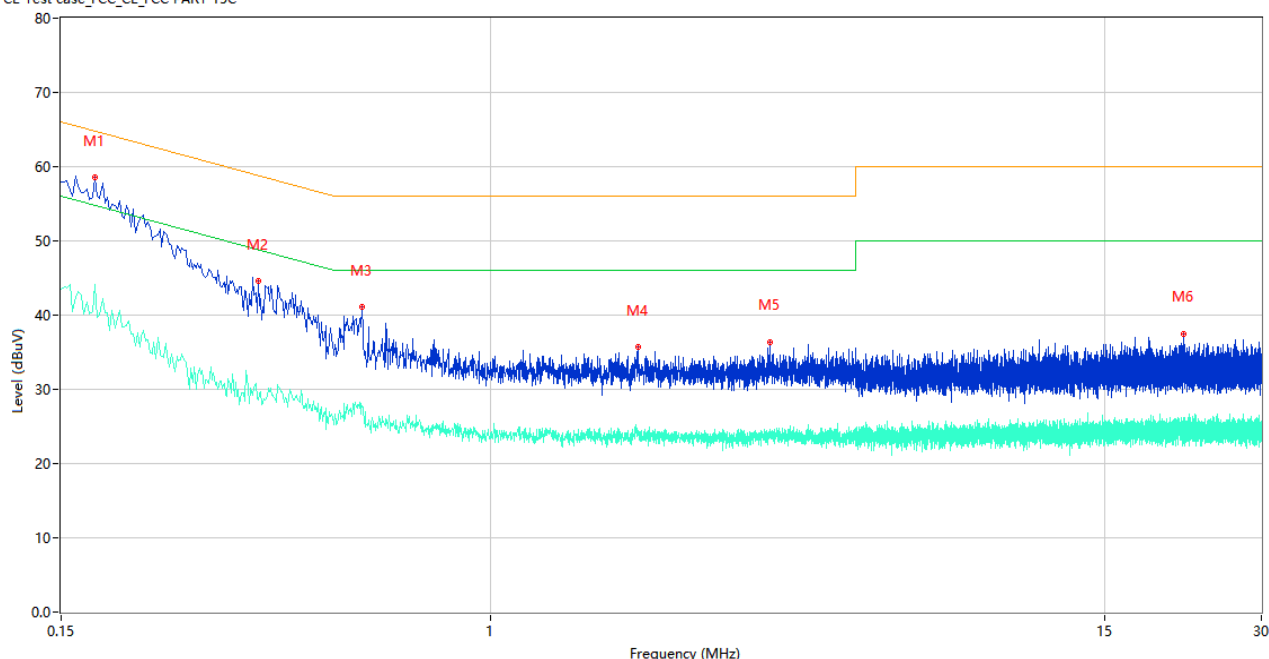
Note¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

Note²: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

Test Data and Plots

PHASE L

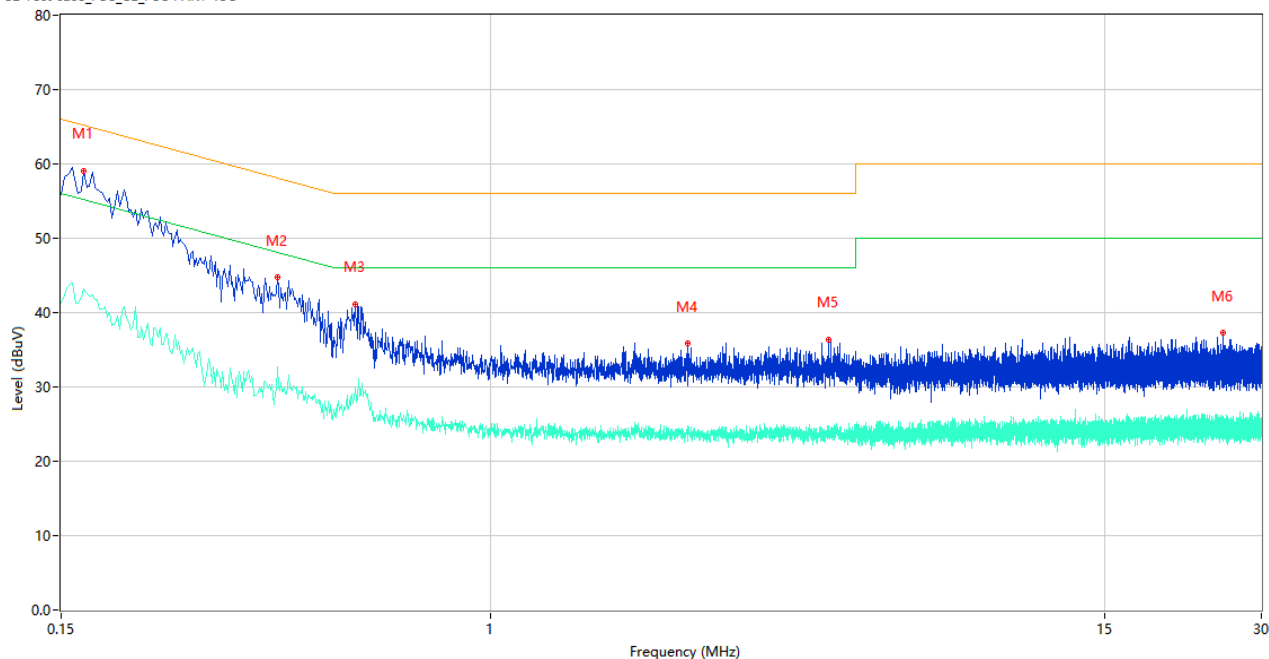
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.174	58.50	9.78	64.77	6.27	Peak	L	Pass
1**	0.174	44.15	9.78	54.77	10.62	AV	L	Pass
2	0.358	44.53	10.73	58.77	14.24	Peak	L	Pass
2**	0.358	28.59	10.73	48.77	20.18	AV	L	Pass
3	0.566	41.05	10.07	56.00	14.95	Peak	L	Pass
3**	0.566	27.69	10.07	46.00	18.31	AV	L	Pass
4	1.912	35.67	10.59	56.00	20.33	Peak	L	Pass
4**	1.912	24.38	10.59	46.00	21.62	AV	L	Pass
5	3.430	36.38	10.28	56.00	19.62	Peak	L	Pass
5**	3.430	23.63	10.28	46.00	22.37	AV	L	Pass
6	21.286	37.52	11.14	60.00	22.48	Peak	L	Pass
6**	21.286	25.58	11.14	50.00	24.42	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.166	59.08	9.78	65.16	6.08	Peak	N	Pass
1**	0.166	43.24	9.78	55.16	11.92	AV	N	Pass
2	0.390	44.70	10.59	58.06	13.36	Peak	N	Pass
2**	0.390	32.70	10.59	48.06	15.36	AV	N	Pass
3	0.550	41.15	10.03	56.00	14.85	Peak	N	Pass
3**	0.550	29.97	10.03	46.00	16.03	AV	N	Pass
4	2.390	35.87	10.26	56.00	20.13	Peak	N	Pass
4**	2.390	24.69	10.26	46.00	21.31	AV	N	Pass
5	4.434	36.36	10.13	56.00	19.64	Peak	N	Pass
5**	4.434	23.32	10.13	46.00	22.68	AV	N	Pass
6	25.372	37.25	10.87	60.00	22.75	Peak	N	Pass
6**	25.372	24.77	10.87	50.00	25.23	AV	N	Pass

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

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

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

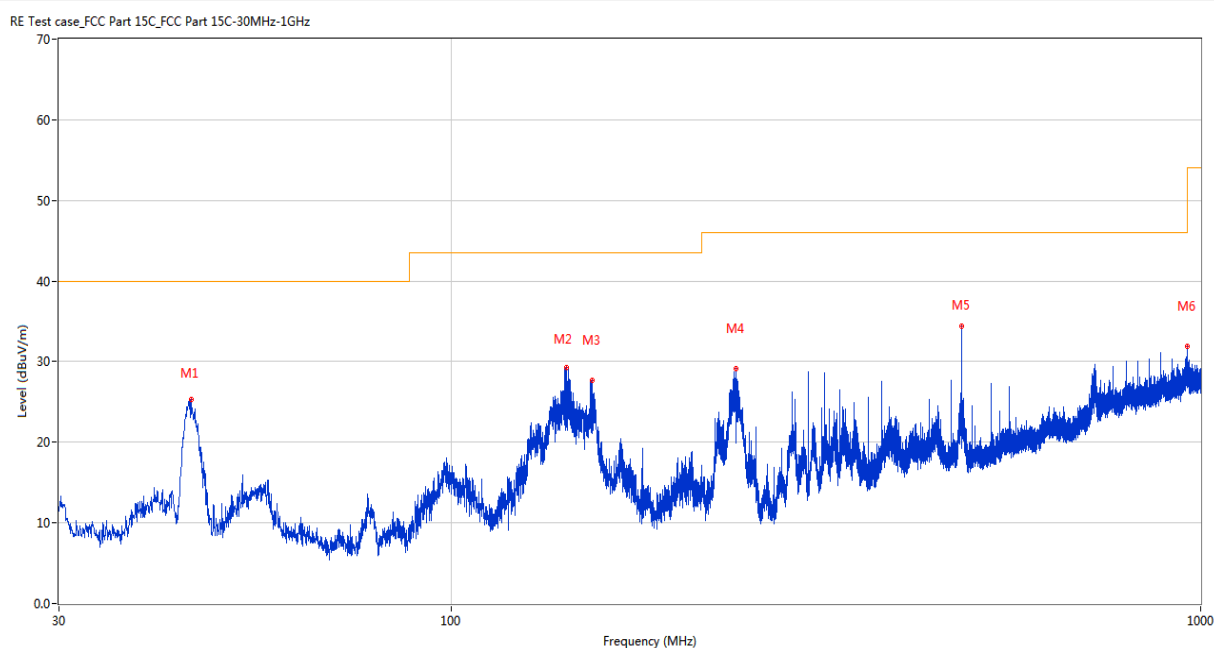
Note³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

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

Note⁵: For Multiple transmitter output, the quantity $10 \log (NANT)$ dB is added to each spectrum value before comparing to the emission limit. When testing out-of-band and spurious emissions against relative emission limits, tests may be performed on each output individually without summing or adding $10 \log (NANT)$ if the measurements are made relative to the in-band emissions on the individual outputs.

Test Data and Plots

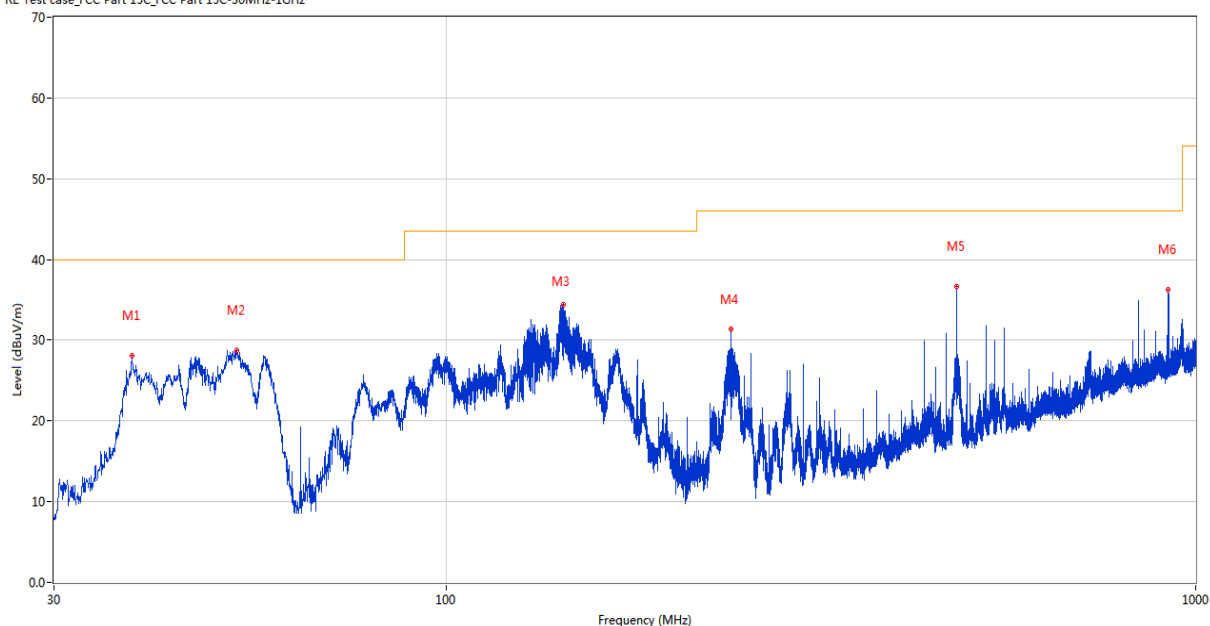
30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	45.035	25.36	-26.48	40.0	14.64	Peak	229.00	100	Horizontal	Pass
2	142.666	29.21	-26.38	43.5	14.29	Peak	300.00	200	Horizontal	Pass
3	154.111	27.64	-25.66	43.5	15.86	Peak	302.00	200	Horizontal	Pass
4	240.005	29.12	-27.22	46.0	16.88	Peak	300.00	100	Horizontal	Pass
5	479.983	34.35	-19.45	46.0	11.65	Peak	98.00	100	Horizontal	Pass
6	960.036	31.88	-10.29	54.0	22.12	Peak	187.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	38.099	28.14	-26.78	40.0	11.86	Peak	360.00	100	Vertical	Pass
2	52.553	28.77	-26.72	40.0	11.23	Peak	118.00	100	Vertical	Pass
3	143.442	34.46	-26.31	43.5	9.04	Peak	172.00	100	Vertical	Pass
4	240.005	31.37	-27.22	46.0	14.63	Peak	44.00	100	Vertical	Pass
5	479.983	36.69	-19.45	46.0	9.31	Peak	150.00	100	Vertical	Pass
6	920.023	36.20	-10.43	46.0	9.80	Peak	114.00	200	Vertical	Pass

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

Note 2: All antenna were tested, but only the worst case has been reported in this report.

SISO-Antenna A

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	1488.200	38.63	-19.56	74.0	35.37	Peak	301.00	400	Horizontal	Pass
1**	1488.200	32.15	-19.56	54.0	21.85	AV	301.00	400	Horizontal	Pass
2	2726.100	43.27	-11.64	74.0	30.73	Peak	143.00	400	Horizontal	Pass
2**	2726.100	34.71	-11.64	54.0	19.29	AV	143.00	400	Horizontal	Pass
3	4342.250	47.09	-6.29	74.0	26.91	Peak	49.00	200	Horizontal	Pass
3**	4342.250	38.93	-6.29	54.0	15.07	AV	49.00	200	Horizontal	Pass
4	5175.750	98.48	-4.92	--	--	Peak	41.00	100	Horizontal	N/A
4**	5175.750	90.61	-4.92	--	--	AV	41.00	100	Horizontal	N/A
5	7516.250	54.43	-1.24	74.0	19.57	Peak	291.00	150	Horizontal	Pass
5**	7516.250	44.99	-1.24	54.0	9.01	AV	291.00	150	Horizontal	Pass
6	12327.487	53.02	0.70	74.0	20.98	Peak	74.00	100	Horizontal	Pass
6**	12327.487	43.83	0.70	54.0	10.17	AV	74.00	100	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	1440.400	37.90	-19.77	74.0	36.10	Peak	2.00	100	Vertical	Pass
1**	1440.400	30.41	-19.77	54.0	23.59	AV	2.00	100	Vertical	Pass
2	2725.500	43.52	-11.67	74.0	30.48	Peak	253.00	200	Vertical	Pass
2**	2725.500	34.05	-11.67	54.0	19.95	AV	253.00	200	Vertical	Pass
3	4344.250	47.44	-6.33	74.0	26.56	Peak	358.00	200	Vertical	Pass
3**	4344.250	38.50	-6.33	54.0	15.50	AV	358.00	200	Vertical	Pass
4	5178.500	98.21	-4.83	--	--	Peak	31.00	300	Vertical	N/A
4**	5178.500	90.82	-4.83	--	--	AV	31.00	300	Vertical	N/A
5	7496.000	54.42	-0.49	74.0	19.58	Peak	83.00	200	Vertical	Pass
5**	7496.000	45.76	-0.49	54.0	8.24	AV	83.00	200	Vertical	Pass
6	12365.487	52.92	0.60	74.0	21.08	Peak	316.00	200	Vertical	Pass
6**	12365.487	43.32	0.60	54.0	10.68	AV	316.00	200	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	1487.700	38.54	-19.58	74.0	35.46	Peak	310.00	100	Horizontal	Pass
1**	1487.700	32.24	-19.58	54.0	21.76	AV	310.00	100	Horizontal	Pass
2	2872.300	44.30	-12.43	74.0	29.70	Peak	197.00	300	Horizontal	Pass
2**	2872.300	33.96	-12.43	54.0	20.04	AV	197.00	300	Horizontal	Pass
3	4325.000	48.16	-5.94	74.0	25.84	Peak	166.00	100	Horizontal	Pass
3**	4325.000	39.18	-5.94	54.0	14.82	AV	166.00	100	Horizontal	Pass
4	5221.250	96.64	-4.79	--	--	Peak	45.00	200	Horizontal	N/A
4**	5221.250	89.23	-4.79	--	--	AV	45.00	200	Horizontal	N/A
5	7495.000	54.96	-0.41	74.0	19.04	Peak	360.00	150	Horizontal	Pass
5**	7495.000	46.96	-0.41	54.0	7.04	AV	360.00	150	Horizontal	Pass
6	12339.838	53.77	0.72	74.0	20.23	Peak	67.00	200	Horizontal	Pass
6**	12339.838	42.77	0.72	54.0	11.23	AV	67.00	200	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	1440.500	38.03	-19.77	74.0	35.97	Peak	360.00	400	Vertical	Pass
1**	1440.500	30.10	-19.77	54.0	23.90	AV	360.00	400	Vertical	Pass
2	2728.600	43.98	-11.47	74.0	30.02	Peak	360.00	400	Vertical	Pass
2**	2728.600	34.10	-11.47	54.0	19.90	AV	360.00	400	Vertical	Pass
3	4211.750	47.21	-7.62	74.0	26.79	Peak	16.00	100	Vertical	Pass
3**	4211.750	38.16	-7.62	54.0	15.84	AV	16.00	100	Vertical	Pass
4	5213.250	98.03	-4.70	--	--	Peak	26.00	400	Vertical	N/A
4**	5213.250	90.44	-4.70	--	--	AV	26.00	400	Vertical	N/A
5	7605.500	53.96	-0.70	74.0	20.04	Peak	360.00	100	Vertical	Pass
5**	7605.500	45.11	-0.70	54.0	8.89	AV	360.00	100	Vertical	Pass
6	12524.137	52.72	1.04	74.0	21.28	Peak	249.00	100	Vertical	Pass
6**	12524.137	43.61	1.04	54.0	10.39	AV	249.00	100	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	1536.000	38.36	-19.77	74.0	35.64	Peak	307.00	100	Horizontal	Pass
1**	1536.000	34.19	-19.77	54.0	19.81	AV	307.00	100	Horizontal	Pass
2	2722.900	43.92	-11.84	74.0	30.08	Peak	222.00	100	Horizontal	Pass
2**	2722.900	33.90	-11.84	54.0	20.10	AV	222.00	100	Horizontal	Pass
3	4303.500	48.01	-6.52	74.0	25.99	Peak	360.00	200	Horizontal	Pass
3**	4303.500	38.73	-6.52	54.0	15.27	AV	360.00	200	Horizontal	Pass
4	5241.750	97.07	-5.21	--	--	Peak	128.00	400	Horizontal	N/A
4**	5241.750	89.44	-5.21	--	--	AV	128.00	400	Horizontal	N/A
5	7593.000	55.51	-0.59	74.0	18.49	Peak	284.00	100	Horizontal	Pass
5**	7593.000	46.13	-0.59	54.0	7.87	AV	284.00	100	Horizontal	Pass
6	12299.938	53.12	0.65	74.0	20.88	Peak	32.00	300	Horizontal	Pass
6**	12299.938	44.00	0.65	54.0	10.00	AV	32.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.200	39.43	-19.77	74.0	34.57	Peak	360.00	200	Vertical	Pass
1**	1440.200	30.48	-19.77	54.0	23.52	AV	360.00	200	Vertical	Pass
2	2788.900	43.87	-12.68	74.0	30.13	Peak	154.00	200	Vertical	Pass
2**	2788.900	34.77	-12.68	54.0	19.23	AV	154.00	200	Vertical	Pass
3	4355.250	47.38	-6.62	74.0	26.62	Peak	307.00	200	Vertical	Pass
3**	4355.250	38.85	-6.62	54.0	15.15	AV	307.00	200	Vertical	Pass
4	5237.750	97.67	-5.18	--	--	Peak	26.00	300	Vertical	N/A
4**	5237.750	90.14	-5.18	--	--	AV	26.00	300	Vertical	N/A
5	7529.750	54.26	-0.72	74.0	19.74	Peak	192.00	200	Vertical	Pass
5**	7529.750	45.30	-0.72	54.0	8.70	AV	192.00	200	Vertical	Pass
6	12568.313	53.94	1.44	74.0	20.06	Peak	255.00	100	Vertical	Pass
6**	12568.313	42.90	1.44	54.0	11.10	AV	255.00	100	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	1440.300	41.12	-19.77	74.0	32.88	Peak	290.00	300	Horizontal	Pass
1**	1440.300	29.65	-19.77	54.0	24.35	AV	290.00	300	Horizontal	Pass
2	2724.600	43.33	-11.71	74.0	30.67	Peak	126.00	300	Horizontal	Pass
2**	2724.600	34.72	-11.71	54.0	19.28	AV	126.00	300	Horizontal	Pass
3	4341.250	47.19	-6.32	74.0	26.81	Peak	0.00	100	Horizontal	Pass
3**	4341.250	38.09	-6.32	54.0	15.91	AV	0.00	100	Horizontal	Pass
4	5176.250	99.29	-4.91	--	--	Peak	41.00	200	Horizontal	N/A
4**	5176.250	91.30	-4.91	--	--	AV	41.00	200	Horizontal	N/A
5	7506.250	54.55	-1.10	74.0	19.45	Peak	301.00	150	Horizontal	Pass
5**	7506.250	44.37	-1.10	54.0	9.63	AV	301.00	150	Horizontal	Pass
6	12339.599	52.66	0.72	74.0	21.34	Peak	25.00	300	Horizontal	Pass
6**	12339.599	42.85	0.72	54.0	11.15	AV	25.00	300	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	1199.100	42.66	-20.20	74.0	31.34	Peak	278.00	150	Vertical	Pass
1**	1199.100	29.71	-20.20	54.0	24.29	AV	278.00	150	Vertical	Pass
2	2881.300	43.41	-12.24	74.0	30.59	Peak	353.00	400	Vertical	Pass
2**	2881.300	33.84	-12.24	54.0	20.16	AV	353.00	400	Vertical	Pass
3	4340.500	47.25	-6.28	74.0	26.75	Peak	91.00	150	Vertical	Pass
3**	4340.500	38.15	-6.28	54.0	15.85	AV	91.00	150	Vertical	Pass
4	5175.500	97.97	-4.92	--	--	Peak	39.00	300	Vertical	N/A
4**	5175.500	90.38	-4.92	--	--	AV	39.00	300	Vertical	N/A
5	7487.750	54.63	-0.35	74.0	19.37	Peak	48.00	100	Vertical	Pass
5**	7487.750	45.84	-0.35	54.0	8.16	AV	48.00	100	Vertical	Pass
6	12537.675	52.54	1.34	74.0	21.46	Peak	360.00	400	Vertical	Pass
6**	12537.675	44.81	1.34	54.0	9.19	AV	360.00	400	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	1199.000	40.68	-20.20	74.0	33.32	Peak	126.00	150	Horizontal	Pass
1**	1199.000	27.03	-20.20	54.0	26.97	AV	126.00	150	Horizontal	Pass
2	2886.200	43.92	-12.20	74.0	30.08	Peak	224.00	200	Horizontal	Pass
2**	2886.200	34.91	-12.20	54.0	19.09	AV	224.00	200	Horizontal	Pass
3	4331.500	47.98	-6.03	74.0	26.02	Peak	143.00	150	Horizontal	Pass
3**	4331.500	38.47	-6.03	54.0	15.53	AV	143.00	150	Horizontal	Pass
4	5216.250	96.85	-4.70	--	--	Peak	44.00	400	Horizontal	N/A
4**	5216.250	89.08	-4.70	--	--	AV	44.00	400	Horizontal	N/A
5	7501.250	54.26	-0.81	74.0	19.74	Peak	197.00	200	Horizontal	Pass
5**	7501.250	45.71	-0.81	54.0	8.29	AV	197.00	200	Horizontal	Pass
6	12350.050	52.60	0.74	74.0	21.40	Peak	290.00	400	Horizontal	Pass
6**	12350.050	43.35	0.74	54.0	10.65	AV	290.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1198.000	40.47	-20.23	74.0	33.53	Peak	268.00	150	Vertical	Pass
1**	1198.000	28.11	-20.23	54.0	25.89	AV	268.00	150	Vertical	Pass
2	2791.100	43.41	-12.58	74.0	30.59	Peak	6.00	400	Vertical	Pass
2**	2791.100	34.07	-12.58	54.0	19.93	AV	6.00	400	Vertical	Pass
3	4289.750	47.93	-6.74	74.0	26.07	Peak	284.00	100	Vertical	Pass
3**	4289.750	37.55	-6.74	54.0	16.45	AV	284.00	100	Vertical	Pass
4	5223.000	97.78	-4.75	--	--	Peak	26.00	400	Vertical	N/A
4**	5223.000	90.04	-4.75	--	--	AV	26.00	400	Vertical	N/A
5	7498.750	54.97	-0.68	74.0	19.03	Peak	140.00	100	Vertical	Pass
5**	7498.750	45.89	-0.68	54.0	8.11	AV	140.00	100	Vertical	Pass
6	12318.224	52.45	0.68	74.0	21.55	Peak	109.00	300	Vertical	Pass
6**	12318.224	43.37	0.68	54.0	10.63	AV	109.00	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	1440.100	40.41	-19.77	74.0	33.59	Peak	56.00	300	Horizontal	Pass
1**	1440.100	31.03	-19.77	54.0	22.97	AV	56.00	300	Horizontal	Pass
2	2786.500	43.97	-12.78	74.0	30.03	Peak	339.00	100	Horizontal	Pass
2**	2786.500	33.87	-12.78	54.0	20.13	AV	339.00	100	Horizontal	Pass
3	4293.750	48.06	-6.78	74.0	25.94	Peak	141.00	200	Horizontal	Pass
3**	4293.750	36.81	-6.78	54.0	17.19	AV	141.00	200	Horizontal	Pass
4	5237.750	97.25	-5.18	--	--	Peak	42.00	200	Horizontal	N/A
4**	5237.750	89.95	-5.18	--	--	AV	42.00	200	Horizontal	N/A
5	7538.500	54.43	-0.23	74.0	19.57	Peak	360.00	100	Horizontal	Pass
5**	7538.500	45.42	-0.23	54.0	8.58	AV	360.00	100	Horizontal	Pass
6	12359.312	52.43	0.66	74.0	21.57	Peak	155.00	200	Horizontal	Pass
6**	12359.312	43.99	0.66	54.0	10.01	AV	155.00	200	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	1200.700	44.25	-20.18	74.0	29.75	Peak	264.00	150	Vertical	Pass
1**	1200.700	28.21	-20.18	54.0	25.79	AV	264.00	150	Vertical	Pass
2	2872.100	43.73	-12.43	74.0	30.27	Peak	291.00	300	Vertical	Pass
2**	2872.100	34.91	-12.43	54.0	19.09	AV	291.00	300	Vertical	Pass
3	4325.500	47.25	-5.94	74.0	26.75	Peak	313.00	100	Vertical	Pass
3**	4325.500	38.56	-5.94	54.0	15.44	AV	313.00	100	Vertical	Pass
4	5238.250	97.94	-5.20	--	--	Peak	24.00	400	Vertical	N/A
4**	5238.250	90.10	-5.20	--	--	AV	24.00	400	Vertical	N/A
5	7531.750	54.98	-0.59	74.0	19.02	Peak	133.00	100	Vertical	Pass
5**	7531.750	44.83	-0.59	54.0	9.17	AV	133.00	100	Vertical	Pass
6	12351.950	52.86	0.72	74.0	21.14	Peak	57.00	400	Vertical	Pass
6**	12351.950	43.98	0.72	54.0	10.02	AV	57.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1512.300	37.94	-19.64	74.0	36.06	Peak	301.00	400	Horizontal	Pass
1**	1512.300	33.14	-19.64	54.0	20.86	AV	301.00	400	Horizontal	Pass
2	2728.900	43.41	-11.48	74.0	30.59	Peak	0.00	400	Horizontal	Pass
2**	2728.900	34.50	-11.48	54.0	19.50	AV	0.00	400	Horizontal	Pass
3	4362.750	47.94	-6.67	74.0	26.06	Peak	216.00	200	Horizontal	Pass
3**	4362.750	38.21	-6.67	54.0	15.79	AV	216.00	200	Horizontal	Pass
4	5194.000	96.35	-4.38	--	--	Peak	34.00	200	Horizontal	N/A
4**	5194.000	88.95	-4.38	--	--	AV	34.00	200	Horizontal	N/A
5	7496.000	54.84	-0.49	74.0	19.16	Peak	242.00	200	Horizontal	Pass
5**	7496.000	46.31	-0.49	54.0	7.69	AV	242.00	200	Horizontal	Pass
6	12355.276	52.97	0.69	74.0	21.03	Peak	67.00	400	Horizontal	Pass
6**	12355.276	44.35	0.69	54.0	9.65	AV	67.00	400	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	1200.500	41.06	-20.18	74.0	32.94	Peak	287.00	150	Vertical	Pass
1**	1200.500	27.65	-20.18	54.0	26.35	AV	287.00	150	Vertical	Pass
2	2730.100	44.16	-11.54	74.0	29.84	Peak	241.00	100	Vertical	Pass
2**	2730.100	34.26	-11.54	54.0	19.74	AV	241.00	100	Vertical	Pass
3	4342.500	48.04	-6.28	74.0	25.96	Peak	14.00	100	Vertical	Pass
3**	4342.500	38.32	-6.28	54.0	15.68	AV	14.00	100	Vertical	Pass
4	5194.250	95.77	-4.38	--	--	Peak	249.00	400	Vertical	N/A
4**	5194.250	87.83	-4.38	--	--	AV	249.00	400	Vertical	N/A
5	7524.750	54.48	-0.95	74.0	19.52	Peak	0.00	150	Vertical	Pass
5**	7524.750	45.20	-0.95	54.0	8.80	AV	0.00	150	Vertical	Pass
6	12355.512	52.54	0.69	74.0	21.46	Peak	10.00	300	Vertical	Pass
6**	12355.512	43.12	0.69	54.0	10.88	AV	10.00	300	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	1440.400	39.66	-19.77	74.0	34.34	Peak	229.00	300	Horizontal	Pass
1**	1440.400	31.18	-19.77	54.0	22.82	AV	229.00	300	Horizontal	Pass
2	2722.800	43.78	-11.85	74.0	30.22	Peak	2.00	400	Horizontal	Pass
2**	2722.800	34.28	-11.85	54.0	19.72	AV	2.00	400	Horizontal	Pass
3	4318.000	47.69	-5.94	74.0	26.31	Peak	67.00	200	Horizontal	Pass
3**	4318.000	38.65	-5.94	54.0	15.35	AV	67.00	200	Horizontal	Pass
4	5235.750	95.02	-5.09	--	--	Peak	49.00	200	Horizontal	N/A
4**	5235.750	88.37	-5.09	--	--	AV	49.00	200	Horizontal	N/A
5	7497.500	55.05	-0.60	74.0	18.95	Peak	257.00	100	Horizontal	Pass
5**	7497.500	45.48	-0.60	54.0	8.52	AV	257.00	100	Horizontal	Pass
6	12538.863	52.81	1.36	74.0	21.19	Peak	0.00	300	Horizontal	Pass
6**	12538.863	43.27	1.36	54.0	10.73	AV	0.00	300	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	1488.100	39.16	-19.57	74.0	34.84	Peak	261.00	300	Vertical	Pass
1**	1488.100	30.35	-19.57	54.0	23.65	AV	261.00	300	Vertical	Pass
2	2889.800	43.87	-12.16	74.0	30.13	Peak	6.00	200	Vertical	Pass
2**	2889.800	34.68	-12.16	54.0	19.32	AV	6.00	200	Vertical	Pass
3	4313.000	47.65	-6.05	74.0	26.35	Peak	155.00	100	Vertical	Pass
3**	4313.000	38.66	-6.05	54.0	15.34	AV	155.00	100	Vertical	Pass
4	5238.000	95.39	-5.20	--	--	Peak	26.00	100	Vertical	N/A
4**	5238.000	87.06	-5.20	--	--	AV	26.00	100	Vertical	N/A
5	7501.500	55.41	-0.82	74.0	18.59	Peak	175.00	150	Vertical	Pass
5**	7501.500	45.57	-0.82	54.0	8.43	AV	175.00	150	Vertical	Pass
6	12346.013	52.78	0.73	74.0	21.22	Peak	195.00	200	Vertical	Pass
6**	12346.013	43.65	0.73	54.0	10.35	AV	195.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.000	39.98	-19.77	74.0	34.02	Peak	284.00	150	Horizontal	Pass
1**	1440.000	34.02	-19.77	54.0	19.98	AV	284.00	150	Horizontal	Pass
2	2852.200	43.67	-12.17	74.0	30.33	Peak	51.00	150	Horizontal	Pass
2**	2852.200	34.19	-12.17	54.0	19.81	AV	51.00	150	Horizontal	Pass
3	4166.250	47.61	-6.92	74.0	26.39	Peak	323.00	150	Horizontal	Pass
3**	4166.250	36.91	-6.92	54.0	17.09	AV	323.00	150	Horizontal	Pass
4	5174.750	100.94	-4.94	--	--	Peak	130.00	150	Horizontal	N/A
4**	5174.750	92.92	-4.94	--	--	AV	130.00	150	Horizontal	N/A
5	7495.750	54.19	-0.47	74.0	19.81	Peak	34.00	150	Horizontal	Pass
5**	7495.750	46.28	-0.47	54.0	7.72	AV	34.00	150	Horizontal	Pass
6	12349.338	52.69	0.73	74.0	21.31	Peak	36.00	150	Horizontal	Pass
6**	12349.338	43.79	0.73	54.0	10.21	AV	36.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.500	37.59	-19.77	74.0	36.41	Peak	18.00	100	Vertical	Pass
1**	1439.500	28.27	-19.77	54.0	25.73	AV	18.00	100	Vertical	Pass
2	2845.300	43.57	-12.29	74.0	30.43	Peak	271.00	100	Vertical	Pass
2**	2845.300	33.91	-12.29	54.0	20.09	AV	271.00	100	Vertical	Pass
3	4346.000	47.57	-6.48	74.0	26.43	Peak	303.00	100	Vertical	Pass
3**	4346.000	39.68	-6.48	54.0	14.32	AV	303.00	100	Vertical	Pass
4	5177.750	101.11	-4.86	--	--	Peak	14.00	100	Vertical	N/A
4**	5177.750	94.47	-4.86	--	--	AV	14.00	100	Vertical	N/A
5	7600.250	53.74	-0.37	74.0	20.26	Peak	102.00	200	Vertical	Pass
5**	7600.250	44.75	-0.37	54.0	9.25	AV	102.00	200	Vertical	Pass
6	12360.974	52.72	0.64	74.0	21.28	Peak	360.00	200	Vertical	Pass
6**	12360.974	43.61	0.64	54.0	10.39	AV	360.00	200	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	1439.700	38.57	-19.77	74.0	35.43	Peak	157.00	100	Horizontal	Pass
1**	1439.700	28.27	-19.77	54.0	25.73	AV	157.00	100	Horizontal	Pass
2	2886.100	43.55	-12.20	74.0	30.45	Peak	330.00	200	Horizontal	Pass
2**	2886.100	34.10	-12.20	54.0	19.90	AV	330.00	200	Horizontal	Pass
3	4335.500	47.50	-6.13	74.0	26.50	Peak	320.00	150	Horizontal	Pass
3**	4335.500	38.22	-6.13	54.0	15.78	AV	320.00	150	Horizontal	Pass
4	5218.000	100.64	-4.76	--	--	Peak	120.00	400	Horizontal	N/A
4**	5218.000	92.90	-4.76	--	--	AV	120.00	400	Horizontal	N/A
5	7616.750	54.09	-1.28	74.0	19.91	Peak	65.00	150	Horizontal	Pass
5**	7616.750	44.59	-1.28	54.0	9.41	AV	65.00	150	Horizontal	Pass
6	12346.250	53.63	0.73	74.0	20.37	Peak	128.00	100	Horizontal	Pass
6**	12346.250	43.54	0.73	54.0	10.46	AV	128.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1441.500	36.98	-19.76	74.0	37.02	Peak	16.00	400	Vertical	Pass
1**	1441.500	27.42	-19.76	54.0	26.58	AV	16.00	400	Vertical	Pass
2	2881.800	43.22	-12.24	74.0	30.78	Peak	40.00	200	Vertical	Pass
2**	2881.800	34.31	-12.24	54.0	19.69	AV	40.00	200	Vertical	Pass
3	4317.250	46.89	-5.97	74.0	27.11	Peak	345.00	200	Vertical	Pass
3**	4317.250	38.10	-5.97	54.0	15.90	AV	345.00	200	Vertical	Pass
4	5216.750	100.54	-4.70	--	--	Peak	2.00	300	Vertical	N/A
4**	5216.750	92.70	-4.70	--	--	AV	2.00	300	Vertical	N/A
5	7500.000	54.47	-0.74	74.0	19.53	Peak	20.00	200	Vertical	Pass
5**	7500.000	45.65	-0.74	54.0	8.35	AV	20.00	200	Vertical	Pass
6	12343.162	52.25	0.72	74.0	21.75	Peak	137.00	400	Vertical	Pass
6**	12343.162	43.80	0.72	54.0	10.20	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	1440.200	40.80	-19.77	74.0	33.20	Peak	119.00	100	Horizontal	Pass
1**	1440.200	28.97	-19.77	54.0	25.03	AV	119.00	100	Horizontal	Pass
2	2793.000	43.54	-12.55	74.0	30.46	Peak	82.00	200	Horizontal	Pass
2**	2793.000	33.17	-12.55	54.0	20.83	AV	82.00	200	Horizontal	Pass
3	4114.250	47.23	-7.23	74.0	26.77	Peak	23.00	100	Horizontal	Pass
3**	4114.250	37.28	-7.23	54.0	16.72	AV	23.00	100	Horizontal	Pass
4	5235.500	101.90	-5.10	--	--	Peak	118.00	100	Horizontal	N/A
4**	5235.500	95.79	-5.10	--	--	AV	118.00	100	Horizontal	N/A
5	7600.500	54.42	-0.39	74.0	19.58	Peak	199.00	150	Horizontal	Pass
5**	7600.500	45.65	-0.39	54.0	8.35	AV	199.00	150	Horizontal	Pass
6	12336.037	53.22	0.71	74.0	20.78	Peak	9.00	300	Horizontal	Pass
6**	12336.037	43.44	0.71	54.0	10.56	AV	9.00	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	1465.700	40.01	-19.81	74.0	33.99	Peak	170.00	200	Vertical	Pass
1**	1465.700	27.35	-19.81	54.0	26.65	AV	170.00	200	Vertical	Pass
2	2788.300	43.26	-12.72	74.0	30.74	Peak	322.00	400	Vertical	Pass
2**	2788.300	33.89	-12.72	54.0	20.11	AV	322.00	400	Vertical	Pass
3	4349.500	47.33	-6.59	74.0	26.67	Peak	268.00	200	Vertical	Pass
3**	4349.500	37.75	-6.59	54.0	16.25	AV	268.00	200	Vertical	Pass
4	5244.000	100.35	-5.27	--	--	Peak	9.00	300	Vertical	N/A
4**	5244.000	93.22	-5.27	--	--	AV	9.00	300	Vertical	N/A
5	7510.250	53.82	-1.30	74.0	20.18	Peak	303.00	100	Vertical	Pass
5**	7510.250	44.48	-1.30	54.0	9.52	AV	303.00	100	Vertical	Pass
6	12323.925	53.09	0.69	74.0	20.91	Peak	228.00	200	Vertical	Pass
6**	12323.925	43.75	0.69	54.0	10.25	AV	228.00	200	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	1547.000	36.61	-19.78	74.0	37.39	Peak	360.00	300	Horizontal	Pass
1**	1547.000	28.42	-19.78	54.0	25.58	AV	360.00	300	Horizontal	Pass
2	2733.800	43.23	-11.73	74.0	30.77	Peak	36.00	200	Horizontal	Pass
2**	2733.800	33.76	-11.73	54.0	20.24	AV	36.00	200	Horizontal	Pass
3	4327.250	47.47	-5.94	74.0	26.53	Peak	321.00	100	Horizontal	Pass
3**	4327.250	38.20	-5.94	54.0	15.80	AV	321.00	100	Horizontal	Pass
4	5191.750	95.24	-4.39	--	--	Peak	111.00	100	Horizontal	N/A
4**	5191.750	87.47	-4.39	--	--	AV	111.00	100	Horizontal	N/A
5	7494.250	53.75	-0.41	74.0	20.25	Peak	50.00	200	Horizontal	Pass
5**	7494.250	45.34	-0.41	54.0	8.66	AV	50.00	200	Horizontal	Pass
6	12641.225	53.42	0.80	74.0	20.58	Peak	137.00	100	Horizontal	Pass
6**	12641.225	42.30	0.80	54.0	11.70	AV	137.00	100	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	1490.800	37.30	-19.48	74.0	36.70	Peak	338.00	200	Vertical	Pass
1**	1490.800	27.80	-19.48	54.0	26.20	AV	338.00	200	Vertical	Pass
2	2787.900	43.52	-12.74	74.0	30.48	Peak	120.00	200	Vertical	Pass
2**	2787.900	33.59	-12.74	54.0	20.41	AV	120.00	200	Vertical	Pass
3	4346.000	46.84	-6.48	74.0	27.16	Peak	251.00	100	Vertical	Pass
3**	4346.000	38.01	-6.48	54.0	15.99	AV	251.00	100	Vertical	Pass
4	5188.250	93.39	-4.41	--	--	Peak	6.00	200	Vertical	N/A
4**	5188.250	85.63	-4.41	--	--	AV	6.00	200	Vertical	N/A
5	7580.750	54.53	-1.42	74.0	19.47	Peak	0.00	150	Vertical	Pass
5**	7580.750	44.78	-1.42	54.0	9.22	AV	0.00	150	Vertical	Pass
6	12321.549	53.08	0.69	74.0	20.92	Peak	104.00	200	Vertical	Pass
6**	12321.549	43.31	0.69	54.0	10.69	AV	104.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.700	38.95	-19.77	74.0	35.05	Peak	288.00	200	Horizontal	Pass
1**	1439.700	33.89	-19.77	54.0	20.11	AV	288.00	200	Horizontal	Pass
2	2881.100	43.39	-12.25	74.0	30.61	Peak	336.00	400	Horizontal	Pass
2**	2881.100	33.47	-12.25	54.0	20.53	AV	336.00	400	Horizontal	Pass
3	4341.750	47.87	-6.31	74.0	26.13	Peak	84.00	150	Horizontal	Pass
3**	4341.750	38.07	-6.31	54.0	15.93	AV	84.00	150	Horizontal	Pass
4	5237.750	93.84	-5.18	--	--	Peak	123.00	100	Horizontal	N/A
4**	5237.750	85.87	-5.18	--	--	AV	123.00	100	Horizontal	N/A
5	7689.000	54.04	-1.45	74.0	19.96	Peak	171.00	100	Horizontal	Pass
5**	7689.000	44.59	-1.45	54.0	9.41	AV	171.00	100	Horizontal	Pass
6	12352.187	52.64	0.72	74.0	21.36	Peak	149.00	300	Horizontal	Pass
6**	12352.187	44.65	0.72	54.0	9.35	AV	149.00	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	1440.300	41.95	-19.77	74.0	32.05	Peak	295.00	300	Vertical	Pass
1**	1440.300	29.96	-19.77	54.0	24.04	AV	295.00	300	Vertical	Pass
2	2873.000	43.21	-12.45	74.0	30.79	Peak	95.00	300	Vertical	Pass
2**	2873.000	34.11	-12.45	54.0	19.89	AV	95.00	300	Vertical	Pass
3	4312.250	46.93	-6.10	74.0	27.07	Peak	187.00	150	Vertical	Pass
3**	4312.250	37.70	-6.10	54.0	16.30	AV	187.00	150	Vertical	Pass
4	5236.000	93.09	-5.09	--	--	Peak	360.00	300	Vertical	N/A
4**	5236.000	85.28	-5.09	--	--	AV	360.00	300	Vertical	N/A
5	7500.000	54.28	-0.74	74.0	19.72	Peak	224.00	200	Vertical	Pass
5**	7500.000	45.68	-0.74	54.0	8.32	AV	224.00	200	Vertical	Pass
6	12357.175	53.66	0.67	74.0	20.34	Peak	290.00	300	Vertical	Pass
6**	12357.175	44.88	0.67	54.0	9.12	AV	290.00	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	1439.900	39.22	-19.77	74.0	34.78	Peak	73.00	300	Horizontal	Pass
1**	1439.900	31.58	-19.77	54.0	22.42	AV	73.00	300	Horizontal	Pass
2	2700.200	43.21	-12.54	74.0	30.79	Peak	38.00	100	Horizontal	Pass
2**	2700.200	36.94	-12.54	54.0	17.06	AV	38.00	100	Horizontal	Pass
3	4348.000	47.60	-6.51	74.0	26.40	Peak	209.00	200	Horizontal	Pass
3**	4348.000	37.92	-6.51	54.0	16.08	AV	209.00	200	Horizontal	Pass
4	5194.250	94.07	-4.38	--	--	Peak	112.00	400	Horizontal	N/A
4**	5194.250	85.86	-4.38	--	--	AV	112.00	400	Horizontal	N/A
5	7518.250	53.84	-1.21	74.0	20.16	Peak	11.00	150	Horizontal	Pass
5**	7518.250	45.06	-1.21	54.0	8.94	AV	11.00	150	Horizontal	Pass
6	12359.788	52.63	0.65	74.0	21.37	Peak	67.00	400	Horizontal	Pass
6**	12359.788	44.35	0.65	54.0	9.65	AV	67.00	400	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	1546.700	37.23	-19.78	74.0	36.77	Peak	346.00	400	Vertical	Pass
1**	1546.700	27.25	-19.78	54.0	26.75	AV	346.00	400	Vertical	Pass
2	2736.700	43.23	-11.94	74.0	30.77	Peak	3.00	100	Vertical	Pass
2**	2736.700	33.85	-11.94	54.0	20.15	AV	3.00	100	Vertical	Pass
3	4347.250	47.97	-6.49	74.0	26.03	Peak	285.00	100	Vertical	Pass
3**	4347.250	38.30	-6.49	54.0	15.70	AV	285.00	100	Vertical	Pass
4	5215.500	92.98	-4.70	--	--	Peak	6.00	100	Vertical	N/A
4**	5215.500	85.43	-4.70	--	--	AV	6.00	100	Vertical	N/A
5	7323.500	54.02	-2.12	74.0	19.98	Peak	57.00	150	Vertical	Pass
5**	7323.500	43.88	-2.12	54.0	10.12	AV	57.00	150	Vertical	Pass
6	12344.112	52.61	0.73	74.0	21.39	Peak	79.00	300	Vertical	Pass
6**	12344.112	43.49	0.73	54.0	10.51	AV	79.00	300	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	1536.000	39.04	-19.77	74.0	34.96	Peak	302.00	400	Horizontal	Pass
1**	1536.000	33.33	-19.77	54.0	20.67	AV	302.00	400	Horizontal	Pass
2	2800.200	43.71	-12.82	74.0	30.29	Peak	296.00	100	Horizontal	Pass
2**	2800.200	33.57	-12.82	54.0	20.43	AV	296.00	100	Horizontal	Pass
3	4303.000	47.50	-6.54	74.0	26.50	Peak	22.00	100	Horizontal	Pass
3**	4303.000	38.52	-6.54	54.0	15.48	AV	22.00	100	Horizontal	Pass
4	5260.000	98.31	-5.26	--	--	Peak	49.00	100	Horizontal	N/A
4**	5260.000	90.19	-5.26	--	--	AV	49.00	100	Horizontal	N/A
5	7489.500	54.64	-0.33	74.0	19.36	Peak	49.00	200	Horizontal	Pass
5**	7489.500	45.46	-0.33	54.0	8.54	AV	49.00	200	Horizontal	Pass
6	12350.050	52.45	0.74	74.0	21.55	Peak	328.00	100	Horizontal	Pass
6**	12350.050	43.73	0.74	54.0	10.27	AV	328.00	100	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	1199.800	41.33	-20.19	74.0	32.67	Peak	138.00	150	Vertical	Pass
1**	1199.800	29.75	-20.19	54.0	24.25	AV	138.00	150	Vertical	Pass
2	2728.200	44.62	-11.49	74.0	29.38	Peak	292.00	400	Vertical	Pass
2**	2728.200	34.52	-11.49	54.0	19.48	AV	292.00	400	Vertical	Pass
3	4331.250	47.11	-6.01	74.0	26.89	Peak	83.00	200	Vertical	Pass
3**	4331.250	38.78	-6.01	54.0	15.22	AV	83.00	200	Vertical	Pass
4	5256.500	99.25	-5.24	--	--	Peak	31.00	300	Vertical	N/A
4**	5256.500	91.41	-5.24	--	--	AV	31.00	300	Vertical	N/A
5	7580.250	54.10	-1.43	74.0	19.90	Peak	31.00	200	Vertical	Pass
5**	7580.250	44.36	-1.43	54.0	9.64	AV	31.00	200	Vertical	Pass
6	12358.838	52.52	0.66	74.0	21.48	Peak	305.00	200	Vertical	Pass
6**	12358.838	43.80	0.66	54.0	10.20	AV	305.00	200	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	1535.700	38.06	-19.76	74.0	35.94	Peak	92.00	400	Horizontal	Pass
1**	1535.700	30.88	-19.76	54.0	23.12	AV	92.00	400	Horizontal	Pass
2	2872.000	43.63	-12.43	74.0	30.37	Peak	119.00	100	Horizontal	Pass
2**	2872.000	34.11	-12.43	54.0	19.89	AV	119.00	100	Horizontal	Pass
3	4339.500	47.32	-6.24	74.0	26.68	Peak	145.00	100	Horizontal	Pass
3**	4339.500	38.50	-6.24	54.0	15.50	AV	145.00	100	Horizontal	Pass
4	5302.500	97.85	-5.63	--	--	Peak	49.00	300	Horizontal	N/A
4**	5302.500	90.72	-5.63	--	--	AV	49.00	300	Horizontal	N/A
5	7533.000	54.74	-0.49	74.0	19.26	Peak	224.00	150	Horizontal	Pass
5**	7533.000	44.91	-0.49	54.0	9.09	AV	224.00	150	Horizontal	Pass
6	12327.725	52.93	0.70	74.0	21.07	Peak	40.00	100	Horizontal	Pass
6**	12327.725	43.33	0.70	54.0	10.67	AV	40.00	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	1199.100	41.19	-20.20	74.0	32.81	Peak	272.00	150	Vertical	Pass
1**	1199.100	28.07	-20.20	54.0	25.93	AV	272.00	150	Vertical	Pass
2	2706.600	43.60	-12.84	74.0	30.40	Peak	215.00	400	Vertical	Pass
2**	2706.600	34.73	-12.84	54.0	19.27	AV	215.00	400	Vertical	Pass
3	4324.000	48.00	-5.93	74.0	26.00	Peak	185.00	200	Vertical	Pass
3**	4324.000	38.31	-5.93	54.0	15.69	AV	185.00	200	Vertical	Pass
4	5298.750	99.90	-5.58	--	--	Peak	25.00	300	Vertical	N/A
4**	5298.750	91.41	-5.58	--	--	AV	25.00	300	Vertical	N/A
5	7517.250	54.02	-1.23	74.0	19.98	Peak	16.00	200	Vertical	Pass
5**	7517.250	44.39	-1.23	54.0	9.61	AV	16.00	200	Vertical	Pass
6	12358.838	52.84	0.66	74.0	21.16	Peak	133.00	400	Vertical	Pass
6**	12358.838	44.08	0.66	54.0	9.92	AV	133.00	400	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	1439.600	42.05	-19.77	74.0	31.95	Peak	301.00	200	Horizontal	Pass
1**	1439.600	33.93	-19.77	54.0	20.07	AV	301.00	200	Horizontal	Pass
2	2870.200	43.59	-12.41	74.0	30.41	Peak	256.00	200	Horizontal	Pass
2**	2870.200	33.77	-12.41	54.0	20.23	AV	256.00	200	Horizontal	Pass
3	4304.750	48.35	-6.46	74.0	25.65	Peak	360.00	100	Horizontal	Pass
3**	4304.750	37.92	-6.46	54.0	16.08	AV	360.00	100	Horizontal	Pass
4	5323.750	97.62	-5.60	--	--	Peak	6.00	300	Horizontal	N/A
4**	5323.750	90.25	-5.60	--	--	AV	6.00	300	Horizontal	N/A
5	7495.250	54.82	-0.43	74.0	19.18	Peak	314.00	100	Horizontal	Pass
5**	7495.250	45.66	-0.43	54.0	8.34	AV	314.00	100	Horizontal	Pass
6	12330.812	52.41	0.70	74.0	21.59	Peak	81.00	300	Horizontal	Pass
6**	12330.812	43.96	0.70	54.0	10.04	AV	81.00	300	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	1200.200	40.55	-20.18	74.0	33.45	Peak	274.00	150	Vertical	Pass
1**	1200.200	29.44	-20.18	54.0	24.56	AV	274.00	150	Vertical	Pass
2	2786.600	43.40	-12.77	74.0	30.60	Peak	340.00	400	Vertical	Pass
2**	2786.600	33.91	-12.77	54.0	20.09	AV	340.00	400	Vertical	Pass
3	4307.250	47.73	-6.32	74.0	26.27	Peak	120.00	100	Vertical	Pass
3**	4307.250	38.04	-6.32	54.0	15.96	AV	120.00	100	Vertical	Pass
4	5315.250	100.52	-5.72	--	--	Peak	31.00	100	Vertical	N/A
4**	5315.250	92.47	-5.72	--	--	AV	31.00	100	Vertical	N/A
5	7493.000	54.19	-0.42	74.0	19.81	Peak	322.00	200	Vertical	Pass
5**	7493.000	45.34	-0.42	54.0	8.66	AV	322.00	200	Vertical	Pass
6	12359.550	52.59	0.65	74.0	21.41	Peak	269.00	150	Vertical	Pass
6**	12359.550	44.22	0.65	54.0	9.78	AV	269.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.300	39.51	-19.77	74.0	34.49	Peak	313.00	200	Horizontal	Pass
1**	1439.300	28.11	-19.77	54.0	25.89	AV	313.00	200	Horizontal	Pass
2	2883.600	43.86	-12.29	74.0	30.14	Peak	95.00	100	Horizontal	Pass
2**	2883.600	34.23	-12.29	54.0	19.77	AV	95.00	100	Horizontal	Pass
3	4348.750	47.90	-6.55	74.0	26.10	Peak	24.00	150	Horizontal	Pass
3**	4348.750	39.58	-6.55	54.0	14.42	AV	24.00	150	Horizontal	Pass
4	5263.250	97.99	-5.19	--	--	Peak	50.00	400	Horizontal	N/A
4**	5263.250	90.27	-5.19	--	--	AV	50.00	400	Horizontal	N/A
5	7496.500	54.43	-0.53	74.0	19.57	Peak	67.00	200	Horizontal	Pass
5**	7496.500	46.16	-0.53	54.0	7.84	AV	67.00	200	Horizontal	Pass
6	12350.287	53.34	0.73	74.0	20.66	Peak	272.00	200	Horizontal	Pass
6**	12350.287	44.35	0.73	54.0	9.65	AV	272.00	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	1201.400	42.46	-20.19	74.0	31.54	Peak	262.00	150	Vertical	Pass
1**	1201.400	27.37	-20.19	54.0	26.63	AV	262.00	150	Vertical	Pass
2	2819.500	43.36	-12.84	74.0	30.64	Peak	73.00	400	Vertical	Pass
2**	2819.500	33.79	-12.84	54.0	20.21	AV	73.00	400	Vertical	Pass
3	4362.000	47.53	-6.68	74.0	26.47	Peak	92.00	150	Vertical	Pass
3**	4362.000	38.75	-6.68	54.0	15.25	AV	92.00	150	Vertical	Pass
4	5261.250	97.93	-5.22	--	--	Peak	23.00	400	Vertical	N/A
4**	5261.250	90.16	-5.22	--	--	AV	23.00	400	Vertical	N/A
5	7599.750	54.55	-0.36	74.0	19.45	Peak	66.00	100	Vertical	Pass
5**	7599.750	45.60	-0.36	54.0	8.40	AV	66.00	100	Vertical	Pass
6	12343.162	52.48	0.72	74.0	21.52	Peak	199.00	200	Vertical	Pass
6**	12343.162	43.93	0.72	54.0	10.07	AV	199.00	200	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	1440.000	42.21	-19.77	74.0	31.79	Peak	289.00	200	Horizontal	Pass
1**	1440.000	31.70	-19.77	54.0	22.30	AV	289.00	200	Horizontal	Pass
2	2888.500	43.08	-12.13	74.0	30.92	Peak	208.00	100	Horizontal	Pass
2**	2888.500	34.30	-12.13	54.0	19.70	AV	208.00	100	Horizontal	Pass
3	4337.750	47.62	-6.12	74.0	26.38	Peak	178.00	100	Horizontal	Pass
3**	4337.750	38.49	-6.12	54.0	15.51	AV	178.00	100	Horizontal	Pass
4	5297.750	98.31	-5.52	--	--	Peak	40.00	400	Horizontal	N/A
4**	5297.750	91.19	-5.52	--	--	AV	40.00	400	Horizontal	N/A
5	7491.500	54.15	-0.36	74.0	19.85	Peak	83.00	200	Horizontal	Pass
5**	7491.500	45.37	-0.36	54.0	8.63	AV	83.00	200	Horizontal	Pass
6	12550.974	52.98	1.60	74.0	21.02	Peak	222.00	300	Horizontal	Pass
6**	12550.974	43.27	1.60	54.0	10.73	AV	222.00	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	1200.100	39.81	-20.18	74.0	34.19	Peak	176.00	150	Vertical	Pass
1**	1200.100	29.60	-20.18	54.0	24.40	AV	176.00	150	Vertical	Pass
2	2757.200	43.95	-12.95	74.0	30.05	Peak	60.00	400	Vertical	Pass
2**	2757.200	33.74	-12.95	54.0	20.26	AV	60.00	400	Vertical	Pass
3	4303.750	47.07	-6.51	74.0	26.93	Peak	262.00	150	Vertical	Pass
3**	4303.750	38.69	-6.51	54.0	15.31	AV	262.00	150	Vertical	Pass
4	5298.500	98.90	-5.56	--	--	Peak	31.00	300	Vertical	N/A
4**	5298.500	92.27	-5.56	--	--	AV	31.00	300	Vertical	N/A
5	7494.000	54.14	-0.41	74.0	19.86	Peak	209.00	200	Vertical	Pass
5**	7494.000	45.49	-0.41	54.0	8.51	AV	209.00	200	Vertical	Pass
6	12356.463	53.23	0.68	74.0	20.77	Peak	195.00	200	Vertical	Pass
6**	12356.463	44.01	0.68	54.0	9.99	AV	195.00	200	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	1199.400	40.78	-20.19	74.0	33.22	Peak	294.00	150	Horizontal	Pass
1**	1199.400	27.87	-20.19	54.0	26.13	AV	294.00	150	Horizontal	Pass
2	2886.800	44.25	-12.17	74.0	29.75	Peak	242.00	400	Horizontal	Pass
2**	2886.800	34.28	-12.17	54.0	19.72	AV	242.00	400	Horizontal	Pass
3	4336.750	47.55	-6.09	74.0	26.45	Peak	295.00	100	Horizontal	Pass
3**	4336.750	39.02	-6.09	54.0	14.98	AV	295.00	100	Horizontal	Pass
4	5326.000	96.77	-5.56	--	--	Peak	44.00	100	Horizontal	N/A
4**	5326.000	89.46	-5.56	--	--	AV	44.00	100	Horizontal	N/A
5	7494.750	55.11	-0.40	74.0	18.89	Peak	260.00	200	Horizontal	Pass
5**	7494.750	45.34	-0.40	54.0	8.66	AV	260.00	200	Horizontal	Pass
6	12530.312	52.66	1.18	74.0	21.34	Peak	7.00	300	Horizontal	Pass
6**	12530.312	42.88	1.18	54.0	11.12	AV	7.00	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	1199.500	44.39	-20.19	74.0	29.61	Peak	271.00	150	Vertical	Pass
1**	1199.500	27.79	-20.19	54.0	26.21	AV	271.00	150	Vertical	Pass
2	2741.200	43.67	-12.45	74.0	30.33	Peak	191.00	200	Vertical	Pass
2**	2741.200	33.61	-12.45	54.0	20.39	AV	191.00	200	Vertical	Pass
3	4315.750	48.14	-6.01	74.0	25.86	Peak	338.00	200	Vertical	Pass
3**	4315.750	38.16	-6.01	54.0	15.84	AV	338.00	200	Vertical	Pass
4	5323.000	99.35	-5.60	--	--	Peak	32.00	300	Vertical	N/A
4**	5323.000	91.36	-5.60	--	--	AV	32.00	300	Vertical	N/A
5	7589.000	54.42	-0.87	74.0	19.58	Peak	180.00	200	Vertical	Pass
5**	7589.000	45.48	-0.87	54.0	8.52	AV	180.00	200	Vertical	Pass
6	12358.838	53.75	0.66	74.0	20.25	Peak	80.00	300	Vertical	Pass
6**	12358.838	44.79	0.66	54.0	9.21	AV	80.00	300	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	1535.600	38.69	-19.75	74.0	35.31	Peak	304.00	200	Horizontal	Pass
1**	1535.600	31.57	-19.75	54.0	22.43	AV	304.00	200	Horizontal	Pass
2	2812.500	44.08	-13.01	74.0	29.92	Peak	188.00	100	Horizontal	Pass
2**	2812.500	33.10	-13.01	54.0	20.90	AV	188.00	100	Horizontal	Pass
3	4284.000	47.55	-6.87	74.0	26.45	Peak	197.00	150	Horizontal	Pass
3**	4284.000	38.33	-6.87	54.0	15.67	AV	197.00	150	Horizontal	Pass
4	5267.500	96.17	-5.12	--	--	Peak	40.00	300	Horizontal	N/A
4**	5267.500	88.23	-5.12	--	--	AV	40.00	300	Horizontal	N/A
5	7531.250	54.42	-0.63	74.0	19.58	Peak	355.00	150	Horizontal	Pass
5**	7531.250	45.21	-0.63	54.0	8.79	AV	355.00	150	Horizontal	Pass
6	12358.362	52.67	0.66	74.0	21.33	Peak	293.00	400	Horizontal	Pass
6**	12358.362	43.99	0.66	54.0	10.01	AV	293.00	400	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	1200.600	41.19	-20.18	74.0	32.81	Peak	25.00	150	Vertical	Pass
1**	1200.600	28.26	-20.18	54.0	25.74	AV	25.00	150	Vertical	Pass
2	2719.200	44.07	-12.23	74.0	29.93	Peak	73.00	100	Vertical	Pass
2**	2719.200	33.62	-12.23	54.0	20.38	AV	73.00	100	Vertical	Pass
3	4335.250	48.16	-6.14	74.0	25.84	Peak	68.00	150	Vertical	Pass
3**	4335.250	38.22	-6.14	54.0	15.78	AV	68.00	150	Vertical	Pass
4	5276.000	96.94	-4.96	--	--	Peak	25.00	100	Vertical	N/A
4**	5276.000	89.24	-4.96	--	--	AV	25.00	100	Vertical	N/A
5	7486.750	54.24	-0.37	74.0	19.76	Peak	185.00	100	Vertical	Pass
5**	7486.750	45.64	-0.37	54.0	8.36	AV	185.00	100	Vertical	Pass
6	12360.738	52.73	0.64	74.0	21.27	Peak	315.00	100	Vertical	Pass
6**	12360.738	43.64	0.64	54.0	10.36	AV	315.00	100	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	1511.900	38.00	-19.63	74.0	36.00	Peak	315.00	300	Horizontal	Pass
1**	1511.900	32.99	-19.63	54.0	21.01	AV	315.00	300	Horizontal	Pass
2	2799.200	43.54	-12.77	74.0	30.46	Peak	115.00	300	Horizontal	Pass
2**	2799.200	34.33	-12.77	54.0	19.67	AV	115.00	300	Horizontal	Pass
3	4320.000	47.32	-5.99	74.0	26.68	Peak	174.00	100	Horizontal	Pass
3**	4320.000	38.60	-5.99	54.0	15.40	AV	174.00	100	Horizontal	Pass
4	5302.250	95.77	-5.64	--	--	Peak	50.00	100	Horizontal	N/A
4**	5302.250	88.70	-5.64	--	--	AV	50.00	100	Horizontal	N/A
5	7491.000	54.49	-0.34	74.0	19.51	Peak	192.00	100	Horizontal	Pass
5**	7491.000	45.00	-0.34	54.0	9.00	AV	192.00	100	Horizontal	Pass
6	12684.925	52.90	0.58	74.0	21.10	Peak	316.00	100	Horizontal	Pass
6**	12684.925	42.59	0.58	54.0	11.41	AV	316.00	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	1203.800	39.25	-20.16	74.0	34.75	Peak	231.00	150	Vertical	Pass
1**	1203.800	28.35	-20.16	54.0	25.65	AV	231.00	150	Vertical	Pass
2	2856.000	43.44	-12.34	74.0	30.56	Peak	256.00	300	Vertical	Pass
2**	2856.000	34.79	-12.34	54.0	19.21	AV	256.00	300	Vertical	Pass
3	4341.500	47.77	-6.32	74.0	26.23	Peak	360.00	200	Vertical	Pass
3**	4341.500	38.15	-6.32	54.0	15.85	AV	360.00	200	Vertical	Pass
4	5301.750	96.57	-5.66	--	--	Peak	29.00	200	Vertical	N/A
4**	5301.750	88.87	-5.66	--	--	AV	29.00	200	Vertical	N/A
5	7598.250	54.81	-0.38	74.0	19.19	Peak	211.00	100	Vertical	Pass
5**	7598.250	45.49	-0.38	54.0	8.51	AV	211.00	100	Vertical	Pass
6	12307.537	52.91	0.67	74.0	21.09	Peak	351.00	400	Vertical	Pass
6**	12307.537	44.25	0.67	54.0	9.75	AV	351.00	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	1503.300	36.89	-19.55	74.0	37.11	Peak	24.00	300	Horizontal	Pass
1**	1503.300	27.48	-19.55	54.0	26.52	AV	24.00	300	Horizontal	Pass
2	2885.100	43.70	-12.24	74.0	30.30	Peak	223.00	400	Horizontal	Pass
2**	2885.100	33.99	-12.24	54.0	20.01	AV	223.00	400	Horizontal	Pass
3	4366.500	47.68	-6.79	74.0	26.32	Peak	132.00	200	Horizontal	Pass
3**	4366.500	38.07	-6.79	54.0	15.93	AV	132.00	200	Horizontal	Pass
4	5263.250	101.84	-5.19	--	--	Peak	124.00	200	Horizontal	N/A
4**	5263.250	93.73	-5.19	--	--	AV	124.00	200	Horizontal	N/A
5	7576.500	54.27	-1.53	74.0	19.73	Peak	330.00	100	Horizontal	Pass
5**	7576.500	44.31	-1.53	54.0	9.69	AV	330.00	100	Horizontal	Pass
6	12350.050	52.84	0.74	74.0	21.16	Peak	168.00	400	Horizontal	Pass
6**	12350.050	44.17	0.74	54.0	9.83	AV	168.00	400	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	1454.400	39.43	-19.73	74.0	34.57	Peak	259.00	200	Vertical	Pass
1**	1454.400	27.62	-19.73	54.0	26.38	AV	259.00	200	Vertical	Pass
2	2725.800	43.29	-11.66	74.0	30.71	Peak	108.00	300	Vertical	Pass
2**	2725.800	33.59	-11.66	54.0	20.41	AV	108.00	300	Vertical	Pass
3	4336.000	47.64	-6.11	74.0	26.36	Peak	360.00	200	Vertical	Pass
3**	4336.000	37.67	-6.11	54.0	16.33	AV	360.00	200	Vertical	Pass
4	5266.000	100.42	-5.10	--	--	Peak	5.00	300	Vertical	N/A
4**	5266.000	92.66	-5.10	--	--	AV	5.00	300	Vertical	N/A
5	7511.000	54.62	-1.31	74.0	19.38	Peak	347.00	150	Vertical	Pass
5**	7511.000	45.62	-1.31	54.0	8.38	AV	347.00	150	Vertical	Pass
6	12334.375	53.40	0.71	74.0	20.60	Peak	9.00	400	Vertical	Pass
6**	12334.375	44.02	0.71	54.0	9.98	AV	9.00	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	1440.200	40.62	-19.77	74.0	33.38	Peak	287.00	200	Horizontal	Pass
1**	1440.200	30.55	-19.77	54.0	23.45	AV	287.00	200	Horizontal	Pass
2	2745.800	43.87	-12.84	74.0	30.13	Peak	124.00	100	Horizontal	Pass
2**	2745.800	33.71	-12.84	54.0	20.29	AV	124.00	100	Horizontal	Pass
3	4325.000	46.77	-5.94	74.0	27.23	Peak	168.00	150	Horizontal	Pass
3**	4325.000	38.67	-5.94	54.0	15.33	AV	168.00	150	Horizontal	Pass
4	5304.250	102.19	-5.58	--	--	Peak	114.00	400	Horizontal	N/A
4**	5304.250	95.02	-5.58	--	--	AV	114.00	400	Horizontal	N/A
5	7509.750	53.78	-1.29	74.0	20.22	Peak	211.00	150	Horizontal	Pass
5**	7509.750	44.52	-1.29	54.0	9.48	AV	211.00	150	Horizontal	Pass
6	12505.138	52.93	0.62	74.0	21.07	Peak	225.00	300	Horizontal	Pass
6**	12505.138	42.20	0.62	54.0	11.80	AV	225.00	300	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	1477.500	38.34	-19.73	74.0	35.66	Peak	35.00	400	Vertical	Pass
1**	1477.500	26.93	-19.73	54.0	27.07	AV	35.00	400	Vertical	Pass
2	2737.200	43.57	-11.98	74.0	30.43	Peak	289.00	100	Vertical	Pass
2**	2737.200	33.57	-11.98	54.0	20.43	AV	289.00	100	Vertical	Pass
3	4307.000	46.99	-6.33	74.0	27.01	Peak	240.00	100	Vertical	Pass
3**	4307.000	38.26	-6.33	54.0	15.74	AV	240.00	100	Vertical	Pass
4	5296.500	101.71	-5.51	--	--	Peak	360.00	400	Vertical	N/A
4**	5296.500	94.66	-5.51	--	--	AV	360.00	400	Vertical	N/A
5	7499.250	54.21	-0.71	74.0	19.79	Peak	284.00	100	Vertical	Pass
5**	7499.250	45.53	-0.71	54.0	8.47	AV	284.00	100	Vertical	Pass
6	12644.076	52.51	0.77	74.0	21.49	Peak	307.00	200	Vertical	Pass
6**	12644.076	43.06	0.77	54.0	10.94	AV	307.00	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	1454.800	36.97	-19.72	74.0	37.03	Peak	186.00	400	Horizontal	Pass
1**	1454.800	27.64	-19.72	54.0	26.36	AV	186.00	400	Horizontal	Pass
2	2754.400	43.34	-12.99	74.0	30.66	Peak	294.00	200	Horizontal	Pass
2**	2754.400	33.00	-12.99	54.0	21.00	AV	294.00	200	Horizontal	Pass
3	4335.250	47.05	-6.14	74.0	26.95	Peak	306.00	150	Horizontal	Pass
3**	4335.250	38.41	-6.14	54.0	15.59	AV	306.00	150	Horizontal	Pass
4	5316.000	102.20	-5.71	--	--	Peak	112.00	300	Horizontal	N/A
4**	5316.000	94.71	-5.71	--	--	AV	112.00	300	Horizontal	N/A
5	7498.500	54.43	-0.67	74.0	19.57	Peak	217.00	200	Horizontal	Pass
5**	7498.500	45.11	-0.67	54.0	8.89	AV	217.00	200	Horizontal	Pass
6	12327.963	52.78	0.70	74.0	21.22	Peak	31.00	300	Horizontal	Pass
6**	12327.963	43.11	0.70	54.0	10.89	AV	31.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1438.000	37.11	-19.75	74.0	36.89	Peak	302.00	400	Vertical	Pass
1**	1438.000	27.52	-19.75	54.0	26.48	AV	302.00	400	Vertical	Pass
2	2771.400	43.09	-12.87	74.0	30.91	Peak	276.00	100	Vertical	Pass
2**	2771.400	33.57	-12.87	54.0	20.43	AV	276.00	100	Vertical	Pass
3	4347.500	47.83	-6.50	74.0	26.17	Peak	338.00	100	Vertical	Pass
3**	4347.500	38.28	-6.50	54.0	15.72	AV	338.00	100	Vertical	Pass
4	5323.000	101.76	-5.60	--	--	Peak	360.00	200	Vertical	N/A
4**	5323.000	94.80	-5.60	--	--	AV	360.00	200	Vertical	N/A
5	7608.750	54.18	-0.94	74.0	19.82	Peak	207.00	100	Vertical	Pass
5**	7608.750	44.32	-0.94	54.0	9.68	AV	207.00	100	Vertical	Pass
6	12317.750	53.56	0.68	74.0	20.44	Peak	93.00	300	Vertical	Pass
6**	12317.750	42.70	0.68	54.0	11.30	AV	93.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1483.000	38.18	-19.61	74.0	35.82	Peak	188.00	300	Horizontal	Pass
1**	1483.000	28.11	-19.61	54.0	25.89	AV	188.00	300	Horizontal	Pass
2	2889.500	42.73	-12.15	74.0	31.27	Peak	279.00	300	Horizontal	Pass
2**	2889.500	33.64	-12.15	54.0	20.36	AV	279.00	300	Horizontal	Pass
3	4322.750	46.90	-5.92	74.0	27.10	Peak	360.00	150	Horizontal	Pass
3**	4322.750	38.49	-5.92	54.0	15.51	AV	360.00	150	Horizontal	Pass
4	5274.500	96.62	-4.96	--	--	Peak	129.00	200	Horizontal	N/A
4**	5274.500	88.89	-4.96	--	--	AV	129.00	200	Horizontal	N/A
5	7493.750	53.82	-0.42	74.0	20.18	Peak	34.00	150	Horizontal	Pass
5**	7493.750	45.31	-0.42	54.0	8.69	AV	34.00	150	Horizontal	Pass
6	12353.375	52.18	0.71	74.0	21.82	Peak	231.00	400	Horizontal	Pass
6**	12353.375	43.97	0.71	54.0	10.03	AV	231.00	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	1512.100	38.10	-19.64	74.0	35.90	Peak	321.00	100	Vertical	Pass
1**	1512.100	30.65	-19.64	54.0	23.35	AV	321.00	100	Vertical	Pass
2	2731.300	42.86	-11.58	74.0	31.14	Peak	222.00	200	Vertical	Pass
2**	2731.300	34.22	-11.58	54.0	19.78	AV	222.00	200	Vertical	Pass
3	4341.750	47.11	-6.31	74.0	26.89	Peak	0.00	150	Vertical	Pass
3**	4341.750	37.74	-6.31	54.0	16.26	AV	0.00	150	Vertical	Pass
4	5278.250	97.38	-4.98	--	--	Peak	32.00	300	Vertical	N/A
4**	5278.250	89.48	-4.98	--	--	AV	32.00	300	Vertical	N/A
5	7591.500	54.61	-0.70	74.0	19.39	Peak	171.00	150	Vertical	Pass
5**	7591.500	45.50	-0.70	54.0	8.50	AV	171.00	150	Vertical	Pass
6	12357.650	52.39	0.67	74.0	21.61	Peak	351.00	200	Vertical	Pass
6**	12357.650	43.67	0.67	54.0	10.33	AV	351.00	200	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	1560.100	38.13	-19.93	74.0	35.87	Peak	323.00	400	Horizontal	Pass
1**	1560.100	32.72	-19.93	54.0	21.28	AV	323.00	400	Horizontal	Pass
2	2723.000	43.13	-11.83	74.0	30.87	Peak	275.00	400	Horizontal	Pass
2**	2723.000	33.99	-11.83	54.0	20.01	AV	275.00	400	Horizontal	Pass
3	4355.000	46.82	-6.62	74.0	27.18	Peak	5.00	100	Horizontal	Pass
3**	4355.000	38.32	-6.62	54.0	15.68	AV	5.00	100	Horizontal	Pass
4	5316.500	96.63	-5.71	--	--	Peak	128.00	300	Horizontal	N/A
4**	5316.500	89.61	-5.71	--	--	AV	128.00	300	Horizontal	N/A
5	7608.500	53.97	-0.92	74.0	20.03	Peak	5.00	150	Horizontal	Pass
5**	7608.500	44.64	-0.92	54.0	9.36	AV	5.00	150	Horizontal	Pass
6	12324.400	52.73	0.69	74.0	21.27	Peak	248.00	300	Horizontal	Pass
6**	12324.400	43.19	0.69	54.0	10.81	AV	248.00	300	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	1201.200	40.04	-20.19	74.0	33.96	Peak	7.00	150	Vertical	Pass
1**	1201.200	26.97	-20.19	54.0	27.03	AV	7.00	150	Vertical	Pass
2	2845.300	42.77	-12.29	74.0	31.23	Peak	307.00	400	Vertical	Pass
2**	2845.300	33.18	-12.29	54.0	20.82	AV	307.00	400	Vertical	Pass
3	4335.500	47.42	-6.13	74.0	26.58	Peak	0.00	200	Vertical	Pass
3**	4335.500	39.19	-6.13	54.0	14.81	AV	0.00	200	Vertical	Pass
4	5316.000	97.87	-5.71	--	--	Peak	360.00	400	Vertical	N/A
4**	5316.000	90.81	-5.71	--	--	AV	360.00	400	Vertical	N/A
5	7501.250	54.09	-0.81	74.0	19.91	Peak	147.00	100	Vertical	Pass
5**	7501.250	45.20	-0.81	54.0	8.80	AV	147.00	100	Vertical	Pass
6	12355.037	52.98	0.69	74.0	21.02	Peak	83.00	200	Vertical	Pass
6**	12355.037	43.93	0.69	54.0	10.07	AV	83.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.600	38.32	-19.77	74.0	35.68	Peak	32.00	200	Horizontal	Pass
1**	1439.600	29.33	-19.77	54.0	24.67	AV	32.00	200	Horizontal	Pass
2	2873.400	43.00	-12.43	74.0	31.00	Peak	261.00	200	Horizontal	Pass
2**	2873.400	34.09	-12.43	54.0	19.91	AV	261.00	200	Horizontal	Pass
3	4378.000	47.06	-7.24	74.0	26.94	Peak	108.00	100	Horizontal	Pass
3**	4378.000	37.94	-7.24	54.0	16.06	AV	108.00	100	Horizontal	Pass
4	5279.000	94.20	-5.00	--	--	Peak	117.00	300	Horizontal	N/A
4**	5279.000	87.01	-5.00	--	--	AV	117.00	300	Horizontal	N/A
5	7500.750	53.90	-0.78	74.0	20.10	Peak	360.00	200	Horizontal	Pass
5**	7500.750	45.91	-0.78	54.0	8.09	AV	360.00	200	Horizontal	Pass
6	12316.562	52.42	0.68	74.0	21.58	Peak	337.00	300	Horizontal	Pass
6**	12316.562	43.06	0.68	54.0	10.94	AV	337.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1201.100	41.04	-20.18	74.0	32.96	Peak	16.00	150	Vertical	Pass
1**	1201.100	27.87	-20.18	54.0	26.13	AV	16.00	150	Vertical	Pass
2	2874.800	43.32	-12.36	74.0	30.68	Peak	321.00	300	Vertical	Pass
2**	2874.800	34.14	-12.36	54.0	19.86	AV	321.00	300	Vertical	Pass
3	4366.750	47.70	-6.80	74.0	26.30	Peak	222.00	150	Vertical	Pass
3**	4366.750	38.26	-6.80	54.0	15.74	AV	222.00	150	Vertical	Pass
4	5283.500	94.88	-5.14	--	--	Peak	9.00	400	Vertical	N/A
4**	5283.500	87.28	-5.14	--	--	AV	9.00	400	Vertical	N/A
5	7590.500	53.73	-0.79	74.0	20.27	Peak	109.00	200	Vertical	Pass
5**	7590.500	45.14	-0.79	54.0	8.86	AV	109.00	200	Vertical	Pass
6	12353.849	52.73	0.70	74.0	21.27	Peak	252.00	400	Vertical	Pass
6**	12353.849	43.79	0.70	54.0	10.21	AV	252.00	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	1440.000	43.80	-19.77	74.0	30.20	Peak	298.00	100	Horizontal	Pass
1**	1440.000	34.66	-19.77	54.0	19.34	AV	298.00	100	Horizontal	Pass
2	2843.000	43.48	-12.42	74.0	30.52	Peak	167.00	200	Horizontal	Pass
2**	2843.000	33.77	-12.42	54.0	20.23	AV	167.00	200	Horizontal	Pass
3	4366.750	47.30	-6.80	74.0	26.70	Peak	97.00	200	Horizontal	Pass
3**	4366.750	38.08	-6.80	54.0	15.92	AV	97.00	200	Horizontal	Pass
4	5506.250	99.10	-4.97	--	--	Peak	135.00	200	Horizontal	N/A
4**	5506.250	92.79	-4.97	--	--	AV	135.00	200	Horizontal	N/A
5	7490.000	55.07	-0.32	74.0	18.93	Peak	360.00	150	Horizontal	Pass
5**	7490.000	45.72	-0.32	54.0	8.28	AV	360.00	150	Horizontal	Pass
6	12348.625	52.68	0.73	74.0	21.32	Peak	350.00	100	Horizontal	Pass
6**	12348.625	42.94	0.73	54.0	11.06	AV	350.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.000	42.15	-19.77	74.0	31.85	Peak	327.00	200	Vertical	Pass
1**	1440.000	29.43	-19.77	54.0	24.57	AV	327.00	200	Vertical	Pass
2	2724.700	43.29	-11.71	74.0	30.71	Peak	75.00	200	Vertical	Pass
2**	2724.700	34.06	-11.71	54.0	19.94	AV	75.00	200	Vertical	Pass
3	4322.750	47.93	-5.92	74.0	26.07	Peak	83.00	150	Vertical	Pass
3**	4322.750	38.46	-5.92	54.0	15.54	AV	83.00	150	Vertical	Pass
4	5506.750	103.31	-5.00	--	--	Peak	7.00	300	Vertical	N/A
4**	5506.750	95.74	-5.00	--	--	AV	7.00	300	Vertical	N/A
5	7492.500	54.84	-0.41	74.0	19.16	Peak	42.00	200	Vertical	Pass
5**	7492.500	45.76	-0.41	54.0	8.24	AV	42.00	200	Vertical	Pass
6	12363.112	52.23	0.62	74.0	21.77	Peak	224.00	300	Vertical	Pass
6**	12363.112	43.68	0.62	54.0	10.32	AV	224.00	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	1440.700	39.34	-19.77	74.0	34.66	Peak	314.00	100	Horizontal	Pass
1**	1440.700	28.24	-19.77	54.0	25.76	AV	314.00	100	Horizontal	Pass
2	2738.300	43.54	-12.09	74.0	30.46	Peak	0.00	200	Horizontal	Pass
2**	2738.300	34.52	-12.09	54.0	19.48	AV	0.00	200	Horizontal	Pass
3	4332.250	47.54	-6.06	74.0	26.46	Peak	210.00	150	Horizontal	Pass
3**	4332.250	39.66	-6.06	54.0	14.34	AV	210.00	150	Horizontal	Pass
4	5582.000	99.19	-5.21	--	--	Peak	91.00	200	Horizontal	N/A
4**	5582.000	92.11	-5.21	--	--	AV	91.00	200	Horizontal	N/A
5	7498.000	54.53	-0.63	74.0	19.47	Peak	154.00	200	Horizontal	Pass
5**	7498.000	45.16	-0.63	54.0	8.84	AV	154.00	200	Horizontal	Pass
6	12559.287	53.05	1.52	74.0	20.95	Peak	199.00	400	Horizontal	Pass
6**	12559.287	42.73	1.52	54.0	11.27	AV	199.00	400	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	1440.000	41.68	-19.77	74.0	32.32	Peak	2.00	100	Vertical	Pass
1**	1440.000	29.36	-19.77	54.0	24.64	AV	2.00	100	Vertical	Pass
2	2857.400	43.65	-12.34	74.0	30.35	Peak	360.00	200	Vertical	Pass
2**	2857.400	34.23	-12.34	54.0	19.77	AV	360.00	200	Vertical	Pass
3	4328.250	47.43	-5.94	74.0	26.57	Peak	0.00	100	Vertical	Pass
3**	4328.250	38.56	-5.94	54.0	15.44	AV	0.00	100	Vertical	Pass
4	5583.750	103.97	-5.21	--	--	Peak	17.00	400	Vertical	N/A
4**	5583.750	96.42	-5.21	--	--	AV	17.00	400	Vertical	N/A
5	7487.750	54.58	-0.35	74.0	19.42	Peak	332.00	200	Vertical	Pass
5**	7487.750	45.32	-0.35	54.0	8.68	AV	332.00	200	Vertical	Pass
6	12351.475	52.50	0.72	74.0	21.50	Peak	335.00	400	Vertical	Pass
6**	12351.475	43.49	0.72	54.0	10.51	AV	335.00	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	1500.000	39.58	-19.48	74.0	34.42	Peak	303.00	200	Horizontal	Pass
1**	1500.000	30.70	-19.48	54.0	23.30	AV	303.00	200	Horizontal	Pass
2	2736.900	43.54	-11.95	74.0	30.46	Peak	109.00	100	Horizontal	Pass
2**	2736.900	33.89	-11.95	54.0	20.11	AV	109.00	100	Horizontal	Pass
3	4317.500	47.59	-5.96	74.0	26.41	Peak	180.00	200	Horizontal	Pass
3**	4317.500	39.26	-5.96	54.0	14.74	AV	180.00	200	Horizontal	Pass
4	5702.750	98.75	-5.26	--	--	Peak	116.00	200	Horizontal	N/A
4**	5702.750	91.29	-5.26	--	--	AV	116.00	200	Horizontal	N/A
5	7526.000	55.25	-0.91	74.0	18.75	Peak	280.00	150	Horizontal	Pass
5**	7526.000	45.02	-0.91	54.0	8.98	AV	280.00	150	Horizontal	Pass
6	12351.713	53.04	0.72	74.0	20.96	Peak	145.00	400	Horizontal	Pass
6**	12351.713	43.94	0.72	54.0	10.06	AV	145.00	400	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	1440.000	39.41	-19.77	74.0	34.59	Peak	319.00	300	Vertical	Pass
1**	1440.000	31.99	-19.77	54.0	22.01	AV	319.00	300	Vertical	Pass
2	2723.000	44.56	-11.83	74.0	29.44	Peak	12.00	200	Vertical	Pass
2**	2723.000	34.62	-11.83	54.0	19.38	AV	12.00	200	Vertical	Pass
3	4358.500	47.35	-6.59	74.0	26.65	Peak	360.00	150	Vertical	Pass
3**	4358.500	38.25	-6.59	54.0	15.75	AV	360.00	150	Vertical	Pass
4	5703.000	104.29	-5.27	--	--	Peak	0.00	400	Vertical	N/A
4**	5703.000	96.92	-5.27	--	--	AV	0.00	400	Vertical	N/A
5	7539.500	54.27	-0.21	74.0	19.73	Peak	343.00	100	Vertical	Pass
5**	7539.500	45.50	-0.21	54.0	8.50	AV	343.00	100	Vertical	Pass
6	12353.138	52.41	0.71	74.0	21.59	Peak	0.00	100	Vertical	Pass
6**	12353.138	43.35	0.71	54.0	10.65	AV	0.00	100	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	1199.900	41.83	-20.19	74.0	32.17	Peak	294.00	150	Horizontal	Pass
1**	1199.900	29.54	-20.19	54.0	24.46	AV	294.00	150	Horizontal	Pass
2	2730.600	43.58	-11.56	74.0	30.42	Peak	299.00	300	Horizontal	Pass
2**	2730.600	35.53	-11.56	54.0	18.47	AV	299.00	300	Horizontal	Pass
3	4322.000	47.27	-5.92	74.0	26.73	Peak	161.00	200	Horizontal	Pass
3**	4322.000	39.35	-5.92	54.0	14.65	AV	161.00	200	Horizontal	Pass
4	5503.250	99.02	-4.88	--	--	Peak	134.00	200	Horizontal	N/A
4**	5503.250	90.96	-4.88	--	--	AV	134.00	200	Horizontal	N/A
5	7506.250	54.71	-1.10	74.0	19.29	Peak	262.00	100	Horizontal	Pass
5**	7506.250	44.29	-1.10	54.0	9.71	AV	262.00	100	Horizontal	Pass
6	12326.537	52.80	0.70	74.0	21.20	Peak	351.00	100	Horizontal	Pass
6**	12326.537	43.30	0.70	54.0	10.70	AV	351.00	100	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	1200.300	42.08	-20.18	74.0	31.92	Peak	292.00	150	Vertical	Pass
1**	1200.300	31.37	-20.18	54.0	22.63	AV	292.00	150	Vertical	Pass
2	2733.000	43.73	-11.65	74.0	30.27	Peak	182.00	100	Vertical	Pass
2**	2733.000	33.83	-11.65	54.0	20.17	AV	182.00	100	Vertical	Pass
3	4320.750	47.40	-5.97	74.0	26.60	Peak	113.00	100	Vertical	Pass
3**	4320.750	38.80	-5.97	54.0	15.20	AV	113.00	100	Vertical	Pass
4	5506.000	102.44	-4.96	--	--	Peak	26.00	300	Vertical	N/A
4**	5506.000	95.38	-4.96	--	--	AV	26.00	300	Vertical	N/A
5	7495.250	54.13	-0.43	74.0	19.87	Peak	134.00	150	Vertical	Pass
5**	7495.250	45.00	-0.43	54.0	9.00	AV	134.00	150	Vertical	Pass
6	12669.013	52.57	0.64	74.0	21.43	Peak	360.00	300	Vertical	Pass
6**	12669.013	42.80	0.64	54.0	11.20	AV	360.00	300	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	1199.000	40.32	-20.20	74.0	33.68	Peak	310.00	150	Horizontal	Pass
1**	1199.000	27.69	-20.20	54.0	26.31	AV	310.00	150	Horizontal	Pass
2	2727.700	43.47	-11.53	74.0	30.53	Peak	234.00	300	Horizontal	Pass
2**	2727.700	34.11	-11.53	54.0	19.89	AV	234.00	300	Horizontal	Pass
3	4357.750	47.39	-6.60	74.0	26.61	Peak	142.00	200	Horizontal	Pass
3**	4357.750	39.55	-6.60	54.0	14.45	AV	142.00	200	Horizontal	Pass
4	5575.500	98.87	-5.26	--	--	Peak	42.00	400	Horizontal	N/A
4**	5575.500	92.11	-5.26	--	--	AV	42.00	400	Horizontal	N/A
5	7543.500	54.32	-0.32	74.0	19.68	Peak	215.00	150	Horizontal	Pass
5**	7543.500	44.70	-0.32	54.0	9.30	AV	215.00	150	Horizontal	Pass
6	12357.175	52.69	0.67	74.0	21.31	Peak	187.00	300	Horizontal	Pass
6**	12357.175	44.40	0.67	54.0	9.60	AV	187.00	300	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	1199.600	42.20	-20.19	74.0	31.80	Peak	262.00	150	Vertical	Pass
1**	1199.600	28.62	-20.19	54.0	25.38	AV	262.00	150	Vertical	Pass
2	2886.500	43.53	-12.18	74.0	30.47	Peak	135.00	200	Vertical	Pass
2**	2886.500	34.16	-12.18	54.0	19.84	AV	135.00	200	Vertical	Pass
3	4217.250	47.14	-7.69	74.0	26.86	Peak	69.00	100	Vertical	Pass
3**	4217.250	37.07	-7.69	54.0	16.93	AV	69.00	100	Vertical	Pass
4	5579.000	103.54	-5.25	--	--	Peak	23.00	100	Vertical	N/A
4**	5579.000	95.91	-5.25	--	--	AV	23.00	100	Vertical	N/A
5	7601.250	53.88	-0.42	74.0	20.12	Peak	187.00	200	Vertical	Pass
5**	7601.250	45.23	-0.42	54.0	8.77	AV	187.00	200	Vertical	Pass
6	12348.862	52.72	0.73	74.0	21.28	Peak	99.00	100	Vertical	Pass
6**	12348.862	43.52	0.73	54.0	10.48	AV	99.00	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	1536.000	38.23	-19.77	74.0	35.77	Peak	313.00	300	Horizontal	Pass
1**	1536.000	33.06	-19.77	54.0	20.94	AV	313.00	300	Horizontal	Pass
2	2732.300	43.50	-11.62	74.0	30.50	Peak	22.00	400	Horizontal	Pass
2**	2732.300	34.45	-11.62	54.0	19.55	AV	22.00	400	Horizontal	Pass
3	4329.500	47.84	-5.96	74.0	26.16	Peak	360.00	100	Horizontal	Pass
3**	4329.500	38.04	-5.96	54.0	15.96	AV	360.00	100	Horizontal	Pass
4	5694.750	98.84	-5.09	--	--	Peak	98.00	100	Horizontal	N/A
4**	5694.750	91.72	-5.09	--	--	AV	98.00	100	Horizontal	N/A
5	7500.500	54.89	-0.77	74.0	19.11	Peak	247.00	100	Horizontal	Pass
5**	7500.500	45.36	-0.77	54.0	8.64	AV	247.00	100	Horizontal	Pass
6	12351.950	53.21	0.72	74.0	20.79	Peak	309.00	200	Horizontal	Pass
6**	12351.950	43.93	0.72	54.0	10.07	AV	309.00	200	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	1200.100	42.37	-20.18	74.0	31.63	Peak	291.00	150	Vertical	Pass
1**	1200.100	31.38	-20.18	54.0	22.62	AV	291.00	150	Vertical	Pass
2	2731.200	43.14	-11.58	74.0	30.86	Peak	18.00	100	Vertical	Pass
2**	2731.200	34.54	-11.58	54.0	19.46	AV	18.00	100	Vertical	Pass
3	4337.000	47.72	-6.08	74.0	26.28	Peak	67.00	100	Vertical	Pass
3**	4337.000	38.16	-6.08	54.0	15.84	AV	67.00	100	Vertical	Pass
4	5702.750	103.78	-5.26	--	--	Peak	0.00	400	Vertical	N/A
4**	5702.750	96.24	-5.26	--	--	AV	0.00	400	Vertical	N/A
5	7592.000	54.48	-0.66	74.0	19.52	Peak	314.00	200	Vertical	Pass
5**	7592.000	45.28	-0.66	54.0	8.72	AV	314.00	200	Vertical	Pass
6	12359.075	53.09	0.66	74.0	20.91	Peak	0.00	100	Vertical	Pass
6**	12359.075	44.34	0.66	54.0	9.66	AV	0.00	100	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	1535.800	38.25	-19.76	74.0	35.75	Peak	314.00	400	Horizontal	Pass
1**	1535.800	33.02	-19.76	54.0	20.98	AV	314.00	400	Horizontal	Pass
2	2887.100	43.95	-12.15	74.0	30.05	Peak	106.00	100	Horizontal	Pass
2**	2887.100	33.98	-12.15	54.0	20.02	AV	106.00	100	Horizontal	Pass
3	4348.750	47.97	-6.55	74.0	26.03	Peak	249.00	100	Horizontal	Pass
3**	4348.750	38.29	-6.55	54.0	15.71	AV	249.00	100	Horizontal	Pass
4	5512.000	97.71	-5.23	--	--	Peak	137.00	200	Horizontal	N/A
4**	5512.000	89.81	-5.23	--	--	AV	137.00	200	Horizontal	N/A
5	7546.500	54.29	-0.63	74.0	19.71	Peak	100.00	200	Horizontal	Pass
5**	7546.500	44.84	-0.63	54.0	9.16	AV	100.00	200	Horizontal	Pass
6	12361.213	52.61	0.64	74.0	21.39	Peak	279.00	400	Horizontal	Pass
6**	12361.213	43.42	0.64	54.0	10.58	AV	279.00	400	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	1200.000	41.29	-20.19	74.0	32.71	Peak	236.00	150	Vertical	Pass
1**	1200.000	28.82	-20.19	54.0	25.18	AV	236.00	150	Vertical	Pass
2	2850.400	43.50	-12.17	74.0	30.50	Peak	107.00	400	Vertical	Pass
2**	2850.400	34.78	-12.17	54.0	19.22	AV	107.00	400	Vertical	Pass
3	4353.250	47.62	-6.61	74.0	26.38	Peak	61.00	100	Vertical	Pass
3**	4353.250	38.61	-6.61	54.0	15.39	AV	61.00	100	Vertical	Pass
4	5514.500	101.57	-5.22	--	--	Peak	14.00	100	Vertical	N/A
4**	5514.500	94.11	-5.22	--	--	AV	14.00	100	Vertical	N/A
5	7489.250	54.10	-0.33	74.0	19.90	Peak	192.00	200	Vertical	Pass
5**	7489.250	45.67	-0.33	54.0	8.33	AV	192.00	200	Vertical	Pass
6	12668.300	52.67	0.65	74.0	21.33	Peak	58.00	400	Vertical	Pass
6**	12668.300	43.35	0.65	54.0	10.65	AV	58.00	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	1439.700	41.29	-19.77	74.0	32.71	Peak	306.00	400	Horizontal	Pass
1**	1439.700	30.38	-19.77	54.0	23.62	AV	306.00	400	Horizontal	Pass
2	2834.400	44.34	-12.52	74.0	29.66	Peak	12.00	200	Horizontal	Pass
2**	2834.400	34.16	-12.52	54.0	19.84	AV	12.00	200	Horizontal	Pass
3	4223.750	47.69	-7.61	74.0	26.31	Peak	15.00	150	Horizontal	Pass
3**	4223.750	37.40	-7.61	54.0	16.60	AV	15.00	150	Horizontal	Pass
4	5586.750	97.08	-5.24	--	--	Peak	86.00	400	Horizontal	N/A
4**	5586.750	90.03	-5.24	--	--	AV	86.00	400	Horizontal	N/A
5	7660.500	54.54	-1.96	74.0	19.46	Peak	263.00	200	Horizontal	Pass
5**	7660.500	43.35	-1.96	54.0	10.65	AV	263.00	200	Horizontal	Pass
6	12349.338	52.41	0.73	74.0	21.59	Peak	185.00	400	Horizontal	Pass
6**	12349.338	43.45	0.73	54.0	10.55	AV	185.00	400	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	1064.800	40.88	-20.72	74.0	33.12	Peak	225.00	150	Vertical	Pass
1**	1064.800	27.55	-20.72	54.0	26.45	AV	225.00	150	Vertical	Pass
2	2788.100	43.58	-12.73	74.0	30.42	Peak	71.00	100	Vertical	Pass
2**	2788.100	34.53	-12.73	54.0	19.47	AV	71.00	100	Vertical	Pass
3	4324.000	46.88	-5.93	74.0	27.12	Peak	341.00	150	Vertical	Pass
3**	4324.000	38.75	-5.93	54.0	15.25	AV	341.00	150	Vertical	Pass
4	5586.750	101.53	-5.24	--	--	Peak	15.00	200	Vertical	N/A
4**	5586.750	93.70	-5.24	--	--	AV	15.00	200	Vertical	N/A
5	7524.500	54.50	-0.96	74.0	19.50	Peak	52.00	100	Vertical	Pass
5**	7524.500	44.53	-0.96	54.0	9.47	AV	52.00	100	Vertical	Pass
6	12354.562	53.06	0.70	74.0	20.94	Peak	13.00	100	Vertical	Pass
6**	12354.562	43.73	0.70	54.0	10.27	AV	13.00	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	1560.000	39.83	-19.93	74.0	34.17	Peak	305.00	100	Horizontal	Pass
1**	1560.000	33.16	-19.93	54.0	20.84	AV	305.00	100	Horizontal	Pass
2	2853.400	43.86	-12.25	74.0	30.14	Peak	288.00	400	Horizontal	Pass
2**	2853.400	34.49	-12.25	54.0	19.51	AV	288.00	400	Horizontal	Pass
3	4309.500	47.74	-6.29	74.0	26.26	Peak	236.00	200	Horizontal	Pass
3**	4309.500	38.96	-6.29	54.0	15.04	AV	236.00	200	Horizontal	Pass
4	5671.750	96.00	-5.09	--	--	Peak	110.00	200	Horizontal	N/A
4**	5671.750	88.73	-5.09	--	--	AV	110.00	200	Horizontal	N/A
5	7544.250	54.27	-0.39	74.0	19.73	Peak	188.00	150	Horizontal	Pass
5**	7544.250	44.68	-0.39	54.0	9.32	AV	188.00	150	Horizontal	Pass
6	12336.750	52.48	0.71	74.0	21.52	Peak	282.00	300	Horizontal	Pass
6**	12336.750	43.12	0.71	54.0	10.88	AV	282.00	300	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	1194.800	38.67	-20.24	74.0	35.33	Peak	31.00	150	Vertical	Pass
1**	1194.800	27.96	-20.24	54.0	26.04	AV	31.00	150	Vertical	Pass
2	2725.100	43.54	-11.69	74.0	30.46	Peak	271.00	300	Vertical	Pass
2**	2725.100	35.82	-11.69	54.0	18.18	AV	271.00	300	Vertical	Pass
3	4328.500	48.65	-5.93	74.0	25.35	Peak	310.00	150	Vertical	Pass
3**	4328.500	38.59	-5.93	54.0	15.41	AV	310.00	150	Vertical	Pass
4	5671.500	100.77	-5.08	--	--	Peak	5.00	300	Vertical	N/A
4**	5671.500	93.52	-5.08	--	--	AV	5.00	300	Vertical	N/A
5	7531.000	54.60	-0.65	74.0	19.40	Peak	0.00	100	Vertical	Pass
5**	7531.000	45.06	-0.65	54.0	8.94	AV	0.00	100	Vertical	Pass
6	12356.938	52.80	0.68	74.0	21.20	Peak	25.00	300	Vertical	Pass
6**	12356.938	43.72	0.68	54.0	10.28	AV	25.00	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	1440.200	38.94	-19.77	74.0	35.06	Peak	283.00	200	Horizontal	Pass
1**	1440.200	31.13	-19.77	54.0	22.87	AV	283.00	200	Horizontal	Pass
2	2790.600	43.30	-12.59	74.0	30.70	Peak	79.00	100	Horizontal	Pass
2**	2790.600	33.61	-12.59	54.0	20.39	AV	79.00	100	Horizontal	Pass
3	4357.500	47.24	-6.61	74.0	26.76	Peak	310.00	150	Horizontal	Pass
3**	4357.500	38.10	-6.61	54.0	15.90	AV	310.00	150	Horizontal	Pass
4	5503.250	101.35	-4.88	--	--	Peak	121.00	400	Horizontal	N/A
4**	5503.250	93.69	-4.88	--	--	AV	121.00	400	Horizontal	N/A
5	7538.750	54.92	-0.22	74.0	19.08	Peak	319.00	200	Horizontal	Pass
5**	7538.750	44.43	-0.22	54.0	9.57	AV	319.00	200	Horizontal	Pass
6	12339.599	52.29	0.72	74.0	21.71	Peak	169.00	200	Horizontal	Pass
6**	12339.599	44.30	0.72	54.0	9.70	AV	169.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1459.200	38.92	-19.71	74.0	35.08	Peak	185.00	100	Vertical	Pass
1**	1459.200	27.88	-19.71	54.0	26.12	AV	185.00	100	Vertical	Pass
2	2866.000	43.74	-12.32	74.0	30.26	Peak	161.00	300	Vertical	Pass
2**	2866.000	33.78	-12.32	54.0	20.22	AV	161.00	300	Vertical	Pass
3	4325.250	47.11	-5.94	74.0	26.89	Peak	80.00	150	Vertical	Pass
3**	4325.250	38.13	-5.94	54.0	15.87	AV	80.00	150	Vertical	Pass
4	5506.250	103.11	-4.97	--	--	Peak	353.00	300	Vertical	N/A
4**	5506.250	96.79	-4.97	--	--	AV	353.00	300	Vertical	N/A
5	7492.500	54.04	-0.41	74.0	19.96	Peak	312.00	200	Vertical	Pass
5**	7492.500	44.73	-0.41	54.0	9.27	AV	312.00	200	Vertical	Pass
6	12352.663	52.39	0.71	74.0	21.61	Peak	20.00	100	Vertical	Pass
6**	12352.663	44.39	0.71	54.0	9.61	AV	20.00	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	1504.000	38.43	-19.56	74.0	35.57	Peak	277.00	100	Horizontal	Pass
1**	1504.000	27.92	-19.56	54.0	26.08	AV	277.00	100	Horizontal	Pass
2	2715.600	43.87	-12.56	74.0	30.13	Peak	46.00	400	Horizontal	Pass
2**	2715.600	33.91	-12.56	54.0	20.09	AV	46.00	400	Horizontal	Pass
3	4319.000	47.92	-5.96	74.0	26.08	Peak	49.00	200	Horizontal	Pass
3**	4319.000	38.40	-5.96	54.0	15.60	AV	49.00	200	Horizontal	Pass
4	5576.000	100.65	-5.26	--	--	Peak	121.00	200	Horizontal	N/A
4**	5576.000	93.84	-5.26	--	--	AV	121.00	200	Horizontal	N/A
5	7491.000	54.13	-0.34	74.0	19.87	Peak	138.00	100	Horizontal	Pass
5**	7491.000	46.26	-0.34	54.0	7.74	AV	138.00	100	Horizontal	Pass
6	12665.450	53.48	0.66	74.0	20.52	Peak	160.00	300	Horizontal	Pass
6**	12665.450	42.66	0.66	54.0	11.34	AV	160.00	300	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	1202.400	39.69	-20.21	74.0	34.31	Peak	360.00	150	Vertical	Pass
1**	1202.400	26.90	-20.21	54.0	27.10	AV	360.00	150	Vertical	Pass
2	2832.500	43.53	-12.53	74.0	30.47	Peak	3.00	300	Vertical	Pass
2**	2832.500	33.75	-12.53	54.0	20.25	AV	3.00	300	Vertical	Pass
3	4326.750	46.91	-5.95	74.0	27.09	Peak	213.00	100	Vertical	Pass
3**	4326.750	38.96	-5.95	54.0	15.04	AV	213.00	100	Vertical	Pass
4	5582.500	104.14	-5.20	--	--	Peak	343.00	100	Vertical	N/A
4**	5582.500	97.20	-5.20	--	--	AV	343.00	100	Vertical	N/A
5	7508.500	53.66	-1.24	74.0	20.34	Peak	284.00	100	Vertical	Pass
5**	7508.500	44.89	-1.24	54.0	9.11	AV	284.00	100	Vertical	Pass
6	12572.349	52.69	1.40	74.0	21.31	Peak	133.00	400	Vertical	Pass
6**	12572.349	42.64	1.40	54.0	11.36	AV	133.00	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	1462.000	38.58	-19.74	74.0	35.42	Peak	186.00	200	Horizontal	Pass
1**	1462.000	30.60	-19.74	54.0	23.40	AV	186.00	200	Horizontal	Pass
2	2733.500	43.46	-11.70	74.0	30.54	Peak	0.00	200	Horizontal	Pass
2**	2733.500	34.01	-11.70	54.0	19.99	AV	0.00	200	Horizontal	Pass
3	4332.500	46.88	-6.08	74.0	27.12	Peak	192.00	150	Horizontal	Pass
3**	4332.500	37.87	-6.08	54.0	16.13	AV	192.00	150	Horizontal	Pass
4	5702.000	100.34	-5.25	--	--	Peak	57.00	400	Horizontal	N/A
4**	5702.000	93.31	-5.25	--	--	AV	57.00	400	Horizontal	N/A
5	7348.750	54.14	-1.63	74.0	19.86	Peak	327.00	200	Horizontal	Pass
5**	7348.750	43.99	-1.63	54.0	10.01	AV	327.00	200	Horizontal	Pass
6	12351.713	52.46	0.72	74.0	21.54	Peak	250.00	100	Horizontal	Pass
6**	12351.713	44.00	0.72	54.0	10.00	AV	250.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1448.900	37.84	-19.67	74.0	36.16	Peak	46.00	100	Vertical	Pass
1**	1448.900	27.27	-19.67	54.0	26.73	AV	46.00	100	Vertical	Pass
2	2879.600	43.11	-12.31	74.0	30.89	Peak	297.00	400	Vertical	Pass
2**	2879.600	33.85	-12.31	54.0	20.15	AV	297.00	400	Vertical	Pass
3	4318.500	47.36	-5.95	74.0	26.64	Peak	354.00	200	Vertical	Pass
3**	4318.500	38.12	-5.95	54.0	15.88	AV	354.00	200	Vertical	Pass
4	5703.000	103.14	-5.27	--	--	Peak	354.00	100	Vertical	N/A
4**	5703.000	96.16	-5.27	--	--	AV	354.00	100	Vertical	N/A
5	7543.750	53.95	-0.34	74.0	20.05	Peak	354.00	100	Vertical	Pass
5**	7543.750	44.81	-0.34	54.0	9.19	AV	354.00	100	Vertical	Pass
6	12544.088	52.30	1.48	74.0	21.70	Peak	360.00	100	Vertical	Pass
6**	12544.088	42.79	1.48	54.0	11.21	AV	360.00	100	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	1440.200	39.11	-19.77	74.0	34.89	Peak	146.00	300	Horizontal	Pass
1**	1440.200	31.77	-19.77	54.0	22.23	AV	146.00	300	Horizontal	Pass
2	2721.300	43.51	-12.00	74.0	30.49	Peak	140.00	300	Horizontal	Pass
2**	2721.300	34.31	-12.00	54.0	19.69	AV	140.00	300	Horizontal	Pass
3	4324.000	47.04	-5.93	74.0	26.96	Peak	150.00	100	Horizontal	Pass
3**	4324.000	38.99	-5.93	54.0	15.01	AV	150.00	100	Horizontal	Pass
4	5515.750	99.69	-5.20	--	--	Peak	116.00	200	Horizontal	N/A
4**	5515.750	91.63	-5.20	--	--	AV	116.00	200	Horizontal	N/A
5	7622.500	53.82	-1.54	74.0	20.18	Peak	0.00	100	Horizontal	Pass
5**	7622.500	44.30	-1.54	54.0	9.70	AV	0.00	100	Horizontal	Pass
6	12350.050	52.77	0.74	74.0	21.23	Peak	330.00	300	Horizontal	Pass
6**	12350.050	44.08	0.74	54.0	9.92	AV	330.00	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	1198.200	41.46	-20.22	74.0	32.54	Peak	226.00	150	Vertical	Pass
1**	1198.200	27.21	-20.22	54.0	26.79	AV	226.00	150	Vertical	Pass
2	2792.800	44.22	-12.55	74.0	29.78	Peak	192.00	300	Vertical	Pass
2**	2792.800	33.21	-12.55	54.0	20.79	AV	192.00	300	Vertical	Pass
3	4339.500	47.62	-6.24	74.0	26.38	Peak	155.00	150	Vertical	Pass
3**	4339.500	38.46	-6.24	54.0	15.54	AV	155.00	150	Vertical	Pass
4	5515.250	102.08	-5.21	--	--	Peak	355.00	300	Vertical	N/A
4**	5515.250	94.66	-5.21	--	--	AV	355.00	300	Vertical	N/A
5	7535.000	54.49	-0.44	74.0	19.51	Peak	13.00	150	Vertical	Pass
5**	7535.000	45.69	-0.44	54.0	8.31	AV	13.00	150	Vertical	Pass
6	12351.713	52.48	0.72	74.0	21.52	Peak	279.00	300	Vertical	Pass
6**	12351.713	44.22	0.72	54.0	9.78	AV	279.00	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	1464.100	42.09	-19.77	74.0	31.91	Peak	81.00	200	Horizontal	Pass
1**	1464.100	30.91	-19.77	54.0	23.09	AV	81.00	200	Horizontal	Pass
2	2850.500	43.14	-12.17	74.0	30.86	Peak	295.00	100	Horizontal	Pass
2**	2850.500	34.53	-12.17	54.0	19.47	AV	295.00	100	Horizontal	Pass
3	4344.000	47.61	-6.30	74.0	26.39	Peak	227.00	200	Horizontal	Pass
3**	4344.000	38.91	-6.30	54.0	15.09	AV	227.00	200	Horizontal	Pass
4	5583.000	99.03	-5.21	--	--	Peak	121.00	300	Horizontal	N/A
4**	5583.000	91.40	-5.21	--	--	AV	121.00	300	Horizontal	N/A
5	7484.750	54.45	-0.48	74.0	19.55	Peak	218.00	200	Horizontal	Pass
5**	7484.750	44.66	-0.48	54.0	9.34	AV	218.00	200	Horizontal	Pass
6	12351.713	52.71	0.72	74.0	21.29	Peak	334.00	400	Horizontal	Pass
6**	12351.713	43.39	0.72	54.0	10.61	AV	334.00	400	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	1201.900	39.01	-20.20	74.0	34.99	Peak	360.00	150	Vertical	Pass
1**	1201.900	27.27	-20.20	54.0	26.73	AV	360.00	150	Vertical	Pass
2	2883.500	43.26	-12.28	74.0	30.74	Peak	59.00	400	Vertical	Pass
2**	2883.500	33.53	-12.28	54.0	20.47	AV	59.00	400	Vertical	Pass
3	4322.000	47.74	-5.92	74.0	26.26	Peak	283.00	100	Vertical	Pass
3**	4322.000	37.99	-5.92	54.0	16.01	AV	283.00	100	Vertical	Pass
4	5583.250	102.16	-5.21	--	--	Peak	345.00	300	Vertical	N/A
4**	5583.250	94.47	-5.21	--	--	AV	345.00	300	Vertical	N/A
5	7592.250	53.76	-0.64	74.0	20.24	Peak	86.00	150	Vertical	Pass
5**	7592.250	44.90	-0.64	54.0	9.10	AV	86.00	150	Vertical	Pass
6	12331.525	52.78	0.71	74.0	21.22	Peak	82.00	100	Vertical	Pass
6**	12331.525	43.92	0.71	54.0	10.08	AV	82.00	100	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	1201.300	40.33	-20.19	74.0	33.67	Peak	277.00	150	Horizontal	Pass
1**	1201.300	28.64	-20.19	54.0	25.36	AV	277.00	150	Horizontal	Pass
2	2865.000	43.44	-12.32	74.0	30.56	Peak	334.00	300	Horizontal	Pass
2**	2865.000	33.62	-12.32	54.0	20.38	AV	334.00	300	Horizontal	Pass
3	4324.000	47.17	-5.93	74.0	26.83	Peak	347.00	200	Horizontal	Pass
3**	4324.000	37.97	-5.93	54.0	16.03	AV	347.00	200	Horizontal	Pass
4	5674.250	98.93	-5.07	--	--	Peak	127.00	400	Horizontal	N/A
4**	5674.250	92.03	-5.07	--	--	AV	127.00	400	Horizontal	N/A
5	7596.250	55.34	-0.46	74.0	18.66	Peak	311.00	200	Horizontal	Pass
5**	7596.250	45.01	-0.46	54.0	8.99	AV	311.00	200	Horizontal	Pass
6	12367.388	52.86	0.59	74.0	21.14	Peak	322.00	100	Horizontal	Pass
6**	12367.388	43.88	0.59	54.0	10.12	AV	322.00	100	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	1198.300	40.38	-20.22	74.0	33.62	Peak	16.00	150	Vertical	Pass
1**	1198.300	28.21	-20.22	54.0	25.79	AV	16.00	150	Vertical	Pass
2	2700.300	43.85	-12.54	74.0	30.15	Peak	320.00	400	Vertical	Pass
2**	2700.300	35.32	-12.54	54.0	18.68	AV	320.00	400	Vertical	Pass
3	4306.750	47.43	-6.35	74.0	26.57	Peak	244.00	100	Vertical	Pass
3**	4306.750	37.98	-6.35	54.0	16.02	AV	244.00	100	Vertical	Pass
4	5667.000	101.73	-5.06	--	--	Peak	354.00	400	Vertical	N/A
4**	5667.000	94.30	-5.06	--	--	AV	354.00	400	Vertical	N/A
5	7595.750	53.81	-0.47	74.0	20.19	Peak	78.00	100	Vertical	Pass
5**	7595.750	45.07	-0.47	54.0	8.93	AV	78.00	100	Vertical	Pass
6	12334.137	52.27	0.71	74.0	21.73	Peak	109.00	200	Vertical	Pass
6**	12334.137	43.87	0.71	54.0	10.13	AV	109.00	200	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	1500.400	38.85	-19.48	74.0	35.15	Peak	84.00	100	Horizontal	Pass
1**	1500.400	29.06	-19.48	54.0	24.94	AV	84.00	100	Horizontal	Pass
2	2788.100	43.29	-12.73	74.0	30.71	Peak	342.00	100	Horizontal	Pass
2**	2788.100	33.48	-12.73	54.0	20.52	AV	342.00	100	Horizontal	Pass
3	4331.000	47.28	-6.00	74.0	26.72	Peak	14.00	150	Horizontal	Pass
3**	4331.000	39.09	-6.00	54.0	14.91	AV	14.00	150	Horizontal	Pass
4	5548.500	97.27	-5.39	--	--	Peak	93.00	300	Horizontal	N/A
4**	5548.500	88.96	-5.39	--	--	AV	93.00	300	Horizontal	N/A
5	7492.250	53.96	-0.40	74.0	20.04	Peak	215.00	200	Horizontal	Pass
5**	7492.250	45.97	-0.40	54.0	8.03	AV	215.00	200	Horizontal	Pass
6	12350.763	52.73	0.73	74.0	21.27	Peak	317.00	200	Horizontal	Pass
6**	12350.763	43.85	0.73	54.0	10.15	AV	317.00	200	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	1200.700	41.90	-20.18	74.0	32.10	Peak	15.00	150	Vertical	Pass
1**	1200.700	28.05	-20.18	54.0	25.95	AV	15.00	150	Vertical	Pass
2	2888.800	43.44	-12.14	74.0	30.56	Peak	120.00	300	Vertical	Pass
2**	2888.800	34.26	-12.14	54.0	19.74	AV	120.00	300	Vertical	Pass
3	4356.500	47.74	-6.64	74.0	26.26	Peak	304.00	150	Vertical	Pass
3**	4356.500	38.11	-6.64	54.0	15.89	AV	304.00	150	Vertical	Pass
4	5543.500	99.61	-5.48	--	--	Peak	343.00	400	Vertical	N/A
4**	5543.500	92.57	-5.48	--	--	AV	343.00	400	Vertical	N/A
5	7501.750	54.14	-0.84	74.0	19.86	Peak	46.00	100	Vertical	Pass
5**	7501.750	45.04	-0.84	54.0	8.96	AV	46.00	100	Vertical	Pass
6	12480.201	52.46	0.66	74.0	21.54	Peak	358.00	200	Vertical	Pass
6**	12480.201	43.01	0.66	54.0	10.99	AV	358.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1488.000	39.09	-19.57	74.0	34.91	Peak	317.00	400	Horizontal	Pass
1**	1488.000	32.29	-19.57	54.0	21.71	AV	317.00	400	Horizontal	Pass
2	2729.300	43.49	-11.50	74.0	30.51	Peak	244.00	400	Horizontal	Pass
2**	2729.300	34.36	-11.50	54.0	19.64	AV	244.00	400	Horizontal	Pass
3	4338.000	48.03	-6.14	74.0	25.97	Peak	175.00	200	Horizontal	Pass
3**	4338.000	38.78	-6.14	54.0	15.22	AV	175.00	200	Horizontal	Pass
4	5611.500	96.84	-5.31	--	--	Peak	131.00	200	Horizontal	N/A
4**	5611.500	88.81	-5.31	--	--	AV	131.00	200	Horizontal	N/A
5	7599.250	54.78	-0.35	74.0	19.22	Peak	192.00	100	Horizontal	Pass
5**	7599.250	45.08	-0.35	54.0	8.92	AV	192.00	100	Horizontal	Pass
6	12344.350	52.96	0.73	74.0	21.04	Peak	117.00	200	Horizontal	Pass
6**	12344.350	43.26	0.73	54.0	10.74	AV	117.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1201.700	41.19	-20.19	74.0	32.81	Peak	233.00	150	Vertical	Pass
1**	1201.700	28.64	-20.19	54.0	25.36	AV	233.00	150	Vertical	Pass
2	2886.800	43.72	-12.17	74.0	30.28	Peak	233.00	200	Vertical	Pass
2**	2886.800	33.72	-12.17	54.0	20.28	AV	233.00	200	Vertical	Pass
3	4303.750	47.80	-6.51	74.0	26.20	Peak	117.00	200	Vertical	Pass
3**	4303.750	38.11	-6.51	54.0	15.89	AV	117.00	200	Vertical	Pass
4	5592.500	99.36	-5.27	--	--	Peak	343.00	300	Vertical	N/A
4**	5592.500	92.31	-5.27	--	--	AV	343.00	300	Vertical	N/A
5	7500.750	54.14	-0.78	74.0	19.86	Peak	247.00	200	Vertical	Pass
5**	7500.750	45.92	-0.78	54.0	8.08	AV	247.00	200	Vertical	Pass
6	12629.112	53.77	0.90	74.0	20.23	Peak	274.00	300	Vertical	Pass
6**	12629.112	43.83	0.90	54.0	10.17	AV	274.00	300	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	1536.000	38.12	-19.77	74.0	35.88	Peak	298.00	200	Horizontal	Pass
1**	1536.000	32.98	-19.77	54.0	21.02	AV	298.00	200	Horizontal	Pass
2	2723.000	43.87	-11.83	74.0	30.13	Peak	286.00	300	Horizontal	Pass
2**	2723.000	34.71	-11.83	54.0	19.29	AV	286.00	300	Horizontal	Pass
3	4357.750	47.89	-6.60	74.0	26.11	Peak	179.00	100	Horizontal	Pass
3**	4357.750	38.13	-6.60	54.0	15.87	AV	179.00	100	Horizontal	Pass
4	5746.250	99.13	-5.27	--	--	Peak	95.00	200	Horizontal	N/A
4**	5746.250	91.54	-5.27	--	--	AV	95.00	200	Horizontal	N/A
5	7517.500	54.63	-1.22	74.0	19.37	Peak	123.00	100	Horizontal	Pass
5**	7517.500	44.84	-1.22	54.0	9.16	AV	123.00	100	Horizontal	Pass
6	12346.724	52.77	0.73	74.0	21.23	Peak	188.00	200	Horizontal	Pass
6**	12346.724	43.91	0.73	54.0	10.09	AV	188.00	200	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	1200.900	39.90	-20.18	74.0	34.10	Peak	270.00	150	Vertical	Pass
1**	1200.900	28.25	-20.18	54.0	25.75	AV	270.00	150	Vertical	Pass
2	2734.000	43.42	-11.75	74.0	30.58	Peak	131.00	300	Vertical	Pass
2**	2734.000	34.54	-11.75	54.0	19.46	AV	131.00	300	Vertical	Pass
3	4341.250	47.53	-6.32	74.0	26.47	Peak	116.00	100	Vertical	Pass
3**	4341.250	39.15	-6.32	54.0	14.85	AV	116.00	100	Vertical	Pass
4	5747.500	103.71	-5.28	--	--	Peak	360.00	400	Vertical	N/A
4**	5747.500	96.14	-5.28	--	--	AV	360.00	400	Vertical	N/A
5	7541.000	54.08	-0.23	74.0	19.92	Peak	42.00	150	Vertical	Pass
5**	7541.000	45.61	-0.23	54.0	8.39	AV	42.00	150	Vertical	Pass
6	12337.463	52.35	0.72	74.0	21.65	Peak	0.00	300	Vertical	Pass
6**	12337.463	44.01	0.72	54.0	9.99	AV	0.00	300	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	1559.900	38.18	-19.93	74.0	35.82	Peak	303.00	400	Horizontal	Pass
1**	1559.900	31.57	-19.93	54.0	22.43	AV	303.00	400	Horizontal	Pass
2	2879.300	43.57	-12.32	74.0	30.43	Peak	104.00	100	Horizontal	Pass
2**	2879.300	34.08	-12.32	54.0	19.92	AV	104.00	100	Horizontal	Pass
3	4327.000	47.64	-5.94	74.0	26.36	Peak	229.00	100	Horizontal	Pass
3**	4327.000	37.96	-5.94	54.0	16.04	AV	229.00	100	Horizontal	Pass
4	5791.000	98.14	-4.73	--	--	Peak	92.00	200	Horizontal	N/A
4**	5791.000	90.43	-4.73	--	--	AV	92.00	200	Horizontal	N/A
5	7582.000	54.58	-1.41	74.0	19.42	Peak	110.00	150	Horizontal	Pass
5**	7582.000	46.49	-1.41	54.0	7.51	AV	110.00	150	Horizontal	Pass
6	12341.026	52.93	0.72	74.0	21.07	Peak	309.00	400	Horizontal	Pass
6**	12341.026	42.97	0.72	54.0	11.03	AV	309.00	400	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	1197.100	40.36	-20.26	74.0	33.64	Peak	271.00	150	Vertical	Pass
1**	1197.100	27.33	-20.26	54.0	26.67	AV	271.00	150	Vertical	Pass
2	2839.000	44.20	-12.53	74.0	29.80	Peak	217.00	200	Vertical	Pass
2**	2839.000	33.80	-12.53	54.0	20.20	AV	217.00	200	Vertical	Pass
3	4339.000	47.25	-6.21	74.0	26.75	Peak	34.00	150	Vertical	Pass
3**	4339.000	38.69	-6.21	54.0	15.31	AV	34.00	150	Vertical	Pass
4	5789.250	103.91	-4.74	--	--	Peak	360.00	400	Vertical	N/A
4**	5789.250	96.67	-4.74	--	--	AV	360.00	400	Vertical	N/A
5	7691.000	54.40	-1.45	74.0	19.60	Peak	108.00	150	Vertical	Pass
5**	7691.000	43.92	-1.45	54.0	10.08	AV	108.00	150	Vertical	Pass
6	12536.724	53.03	1.32	74.0	20.97	Peak	189.00	100	Vertical	Pass
6**	12536.724	43.12	1.32	54.0	10.88	AV	189.00	100	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	1559.500	38.42	-19.92	74.0	35.58	Peak	317.00	200	Horizontal	Pass
1**	1559.500	30.23	-19.92	54.0	23.77	AV	317.00	200	Horizontal	Pass
2	2787.800	43.34	-12.74	74.0	30.66	Peak	40.00	400	Horizontal	Pass
2**	2787.800	34.28	-12.74	54.0	19.72	AV	40.00	400	Horizontal	Pass
3	4338.000	47.27	-6.14	74.0	26.73	Peak	292.00	200	Horizontal	Pass
3**	4338.000	38.17	-6.14	54.0	15.83	AV	292.00	200	Horizontal	Pass
4	5817.500	98.51	-4.78	--	--	Peak	89.00	100	Horizontal	N/A
4**	5817.500	91.14	-4.78	--	--	AV	89.00	100	Horizontal	N/A
5	7601.000	54.13	-0.41	74.0	19.87	Peak	336.00	150	Horizontal	Pass
5**	7601.000	45.08	-0.41	54.0	8.92	AV	336.00	150	Horizontal	Pass
6	12334.850	52.81	0.71	74.0	21.19	Peak	326.00	100	Horizontal	Pass
6**	12334.850	43.54	0.71	54.0	10.46	AV	326.00	100	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	1203.300	40.65	-20.18	74.0	33.35	Peak	277.00	150	Vertical	Pass
1**	1203.300	27.92	-20.18	54.0	26.08	AV	277.00	150	Vertical	Pass
2	2860.700	43.72	-12.38	74.0	30.28	Peak	32.00	100	Vertical	Pass
2**	2860.700	35.48	-12.38	54.0	18.52	AV	32.00	100	Vertical	Pass
3	4329.500	47.62	-5.96	74.0	26.38	Peak	360.00	100	Vertical	Pass
3**	4329.500	38.07	-5.96	54.0	15.93	AV	360.00	100	Vertical	Pass
4	5822.500	102.84	-4.69	--	--	Peak	360.00	300	Vertical	N/A
4**	5822.500	95.18	-4.69	--	--	AV	360.00	300	Vertical	N/A
5	7600.000	54.46	-0.36	74.0	19.54	Peak	286.00	200	Vertical	Pass
5**	7600.000	45.89	-0.36	54.0	8.11	AV	286.00	200	Vertical	Pass
6	12354.088	52.72	0.70	74.0	21.28	Peak	281.00	400	Vertical	Pass
6**	12354.088	44.56	0.70	54.0	9.44	AV	281.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1200.200	41.06	-20.18	74.0	32.94	Peak	309.00	150	Horizontal	Pass
1**	1200.200	29.27	-20.18	54.0	24.73	AV	309.00	150	Horizontal	Pass
2	2879.900	43.43	-12.30	74.0	30.57	Peak	316.00	200	Horizontal	Pass
2**	2879.900	34.05	-12.30	54.0	19.95	AV	316.00	200	Horizontal	Pass
3	4325.500	47.31	-5.94	74.0	26.69	Peak	0.00	150	Horizontal	Pass
3**	4325.500	38.81	-5.94	54.0	15.19	AV	0.00	150	Horizontal	Pass
4	5747.000	99.14	-5.28	--	--	Peak	123.00	200	Horizontal	N/A
4**	5747.000	91.27	-5.28	--	--	AV	123.00	200	Horizontal	N/A
5	7546.250	54.53	-0.61	74.0	19.47	Peak	259.00	100	Horizontal	Pass
5**	7546.250	45.42	-0.61	54.0	8.58	AV	259.00	100	Horizontal	Pass
6	12358.362	52.60	0.66	74.0	21.40	Peak	269.00	300	Horizontal	Pass
6**	12358.362	43.81	0.66	54.0	10.19	AV	269.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1200.500	43.05	-20.18	74.0	30.95	Peak	272.00	150	Vertical	Pass
1**	1200.500	28.41	-20.18	54.0	25.59	AV	272.00	150	Vertical	Pass
2	2764.700	43.75	-12.74	74.0	30.25	Peak	74.00	200	Vertical	Pass
2**	2764.700	34.18	-12.74	54.0	19.82	AV	74.00	200	Vertical	Pass
3	4351.750	47.81	-6.62	74.0	26.19	Peak	215.00	100	Vertical	Pass
3**	4351.750	38.25	-6.62	54.0	15.75	AV	215.00	100	Vertical	Pass
4	5747.000	103.53	-5.28	--	--	Peak	360.00	300	Vertical	N/A
4**	5747.000	96.57	-5.28	--	--	AV	360.00	300	Vertical	N/A
5	7592.500	54.20	-0.62	74.0	19.80	Peak	308.00	200	Vertical	Pass
5**	7592.500	45.82	-0.62	54.0	8.18	AV	308.00	200	Vertical	Pass
6	12352.187	52.85	0.72	74.0	21.15	Peak	360.00	400	Vertical	Pass
6**	12352.187	43.86	0.72	54.0	10.14	AV	360.00	400	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	1560.100	37.99	-19.93	74.0	36.01	Peak	301.00	200	Horizontal	Pass
1**	1560.100	32.50	-19.93	54.0	21.50	AV	301.00	200	Horizontal	Pass
2	2792.600	44.25	-12.55	74.0	29.75	Peak	351.00	400	Horizontal	Pass
2**	2792.600	34.52	-12.55	54.0	19.48	AV	351.00	400	Horizontal	Pass
3	4351.750	48.08	-6.62	74.0	25.92	Peak	356.00	150	Horizontal	Pass
3**	4351.750	38.38	-6.62	54.0	15.62	AV	356.00	150	Horizontal	Pass
4	5780.750	98.11	-4.64	--	--	Peak	117.00	200	Horizontal	N/A
4**	5780.750	89.97	-4.64	--	--	AV	117.00	200	Horizontal	N/A
5	7502.000	54.40	-0.86	74.0	19.60	Peak	145.00	100	Horizontal	Pass
5**	7502.000	44.66	-0.86	54.0	9.34	AV	145.00	100	Horizontal	Pass
6	12534.825	52.93	1.28	74.0	21.07	Peak	96.00	200	Horizontal	Pass
6**	12534.825	43.60	1.28	54.0	10.40	AV	96.00	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	1200.500	41.00	-20.18	74.0	33.00	Peak	13.00	150	Vertical	Pass
1**	1200.500	28.17	-20.18	54.0	25.83	AV	13.00	150	Vertical	Pass
2	2738.800	43.94	-12.15	74.0	30.06	Peak	117.00	400	Vertical	Pass
2**	2738.800	34.17	-12.15	54.0	19.83	AV	117.00	400	Vertical	Pass
3	4374.500	47.55	-7.14	74.0	26.45	Peak	327.00	150	Vertical	Pass
3**	4374.500	37.99	-7.14	54.0	16.01	AV	327.00	150	Vertical	Pass
4	5790.750	102.38	-4.73	--	--	Peak	360.00	400	Vertical	N/A
4**	5790.750	94.79	-4.73	--	--	AV	360.00	400	Vertical	N/A
5	7499.500	54.86	-0.72	74.0	19.14	Peak	70.00	150	Vertical	Pass
5**	7499.500	45.29	-0.72	54.0	8.71	AV	70.00	150	Vertical	Pass
6	12343.638	52.60	0.73	74.0	21.40	Peak	48.00	300	Vertical	Pass
6**	12343.638	44.67	0.73	54.0	9.33	AV	48.00	300	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	1680.100	42.61	-19.37	74.0	31.39	Peak	303.00	150	Horizontal	Pass
1**	1680.100	31.10	-19.37	54.0	22.90	AV	303.00	150	Horizontal	Pass
2	2797.000	43.44	-12.71	74.0	30.56	Peak	62.00	100	Horizontal	Pass
2**	2797.000	33.70	-12.71	54.0	20.30	AV	62.00	100	Horizontal	Pass
3	4352.250	48.18	-6.62	74.0	25.82	Peak	152.00	150	Horizontal	Pass
3**	4352.250	38.33	-6.62	54.0	15.67	AV	152.00	150	Horizontal	Pass
4	5823.250	98.26	-4.71	--	--	Peak	86.00	300	Horizontal	N/A
4**	5823.250	91.08	-4.71	--	--	AV	86.00	300	Horizontal	N/A
5	7499.000	54.17	-0.70	74.0	19.83	Peak	0.00	150	Horizontal	Pass
5**	7499.000	45.52	-0.70	54.0	8.48	AV	0.00	150	Horizontal	Pass
6	12300.174	52.79	0.66	74.0	21.21	Peak	151.00	400	Horizontal	Pass
6**	12300.174	42.98	0.66	54.0	11.02	AV	151.00	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	1200.700	42.44	-20.18	74.0	31.56	Peak	252.00	150	Vertical	Pass
1**	1200.700	28.19	-20.18	54.0	25.81	AV	252.00	150	Vertical	Pass
2	2702.200	44.39	-12.65	74.0	29.61	Peak	267.00	400	Vertical	Pass
2**	2702.200	33.85	-12.65	54.0	20.15	AV	267.00	400	Vertical	Pass
3	4371.250	47.39	-7.02	74.0	26.61	Peak	118.00	200	Vertical	Pass
3**	4371.250	38.00	-7.02	54.0	16.00	AV	118.00	200	Vertical	Pass
4	5822.500	102.49	-4.69	--	--	Peak	360.00	100	Vertical	N/A
4**	5822.500	95.53	-4.69	--	--	AV	360.00	100	Vertical	N/A
5	7490.750	54.20	-0.33	74.0	19.80	Peak	80.00	150	Vertical	Pass
5**	7490.750	45.46	-0.33	54.0	8.54	AV	80.00	150	Vertical	Pass
6	12346.963	53.19	0.73	74.0	20.81	Peak	29.00	200	Vertical	Pass
6**	12346.963	43.72	0.73	54.0	10.28	AV	29.00	200	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	1535.900	38.01	-19.77	74.0	35.99	Peak	316.00	200	Horizontal	Pass
1**	1535.900	32.88	-19.77	54.0	21.12	AV	316.00	200	Horizontal	Pass
2	2841.600	43.45	-12.43	74.0	30.55	Peak	106.00	200	Horizontal	Pass
2**	2841.600	33.76	-12.43	54.0	20.24	AV	106.00	200	Horizontal	Pass
3	4324.500	48.75	-5.93	74.0	25.25	Peak	301.00	100	Horizontal	Pass
3**	4324.500	38.27	-5.93	54.0	15.73	AV	301.00	100	Horizontal	Pass
4	5751.250	96.55	-5.25	--	--	Peak	110.00	100	Horizontal	N/A
4**	5751.250	89.48	-5.25	--	--	AV	110.00	100	Horizontal	N/A
5	7492.750	54.63	-0.43	74.0	19.37	Peak	337.00	150	Horizontal	Pass
5**	7492.750	45.52	-0.43	54.0	8.48	AV	337.00	150	Horizontal	Pass
6	12318.224	53.01	0.68	74.0	20.99	Peak	46.00	300	Horizontal	Pass
6**	12318.224	42.76	0.68	54.0	11.24	AV	46.00	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	1199.900	39.69	-20.19	74.0	34.31	Peak	238.00	150	Vertical	Pass
1**	1199.900	29.09	-20.19	54.0	24.91	AV	238.00	150	Vertical	Pass
2	2851.300	43.31	-12.15	74.0	30.69	Peak	337.00	400	Vertical	Pass
2**	2851.300	35.02	-12.15	54.0	18.98	AV	337.00	400	Vertical	Pass
3	4296.250	47.66	-6.71	74.0	26.34	Peak	289.00	150	Vertical	Pass
3**	4296.250	37.33	-6.71	54.0	16.67	AV	289.00	150	Vertical	Pass
4	5751.750	100.91	-5.26	--	--	Peak	6.00	400	Vertical	N/A
4**	5751.750	93.43	-5.26	--	--	AV	6.00	400	Vertical	N/A
5	7580.250	54.21	-1.43	74.0	19.79	Peak	25.00	150	Vertical	Pass
5**	7580.250	44.78	-1.43	54.0	9.22	AV	25.00	150	Vertical	Pass
6	12340.787	53.37	0.72	74.0	20.63	Peak	60.00	300	Vertical	Pass
6**	12340.787	43.81	0.72	54.0	10.19	AV	60.00	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	1440.300	42.22	-19.77	74.0	31.78	Peak	298.00	400	Horizontal	Pass
1**	1440.300	33.32	-19.77	54.0	20.68	AV	298.00	400	Horizontal	Pass
2	2717.500	43.39	-12.39	74.0	30.61	Peak	282.00	400	Horizontal	Pass
2**	2717.500	33.62	-12.39	54.0	20.38	AV	282.00	400	Horizontal	Pass
3	4336.500	47.85	-6.10	74.0	26.15	Peak	124.00	150	Horizontal	Pass
3**	4336.500	38.48	-6.10	54.0	15.52	AV	124.00	150	Horizontal	Pass
4	5797.250	96.16	-4.66	--	--	Peak	85.00	100	Horizontal	N/A
4**	5797.250	89.21	-4.66	--	--	AV	85.00	100	Horizontal	N/A
5	7497.500	54.66	-0.60	74.0	19.34	Peak	45.00	100	Horizontal	Pass
5**	7497.500	45.59	-0.60	54.0	8.41	AV	45.00	100	Horizontal	Pass
6	12350.287	52.66	0.73	74.0	21.34	Peak	210.00	200	Horizontal	Pass
6**	12350.287	44.05	0.73	54.0	9.95	AV	210.00	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	1536.400	39.15	-19.79	74.0	34.85	Peak	165.00	100	Vertical	Pass
1**	1536.400	29.45	-19.79	54.0	24.55	AV	165.00	100	Vertical	Pass
2	2737.600	44.13	-12.02	74.0	29.87	Peak	239.00	400	Vertical	Pass
2**	2737.600	34.49	-12.02	54.0	19.51	AV	239.00	400	Vertical	Pass
3	4321.750	48.09	-5.93	74.0	25.91	Peak	120.00	100	Vertical	Pass
3**	4321.750	38.87	-5.93	54.0	15.13	AV	120.00	100	Vertical	Pass
4	5790.250	100.68	-4.73	--	--	Peak	7.00	400	Vertical	N/A
4**	5790.250	92.77	-4.73	--	--	AV	7.00	400	Vertical	N/A
5	7610.750	54.55	-1.03	74.0	19.45	Peak	223.00	100	Vertical	Pass
5**	7610.750	44.45	-1.03	54.0	9.55	AV	223.00	100	Vertical	Pass
6	12354.562	53.60	0.70	74.0	20.40	Peak	207.00	100	Vertical	Pass
6**	12354.562	43.83	0.70	54.0	10.17	AV	207.00	100	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	1199.300	40.55	-20.20	74.0	33.45	Peak	339.00	150	Horizontal	Pass
1**	1199.300	29.09	-20.20	54.0	24.91	AV	339.00	150	Horizontal	Pass
2	2734.400	44.05	-11.79	74.0	29.95	Peak	132.00	400	Horizontal	Pass
2**	2734.400	34.68	-11.79	54.0	19.32	AV	132.00	400	Horizontal	Pass
3	4353.250	47.59	-6.61	74.0	26.41	Peak	243.00	150	Horizontal	Pass
3**	4353.250	37.78	-6.61	54.0	16.22	AV	243.00	150	Horizontal	Pass
4	5743.750	101.67	-5.35	--	--	Peak	62.00	200	Horizontal	N/A
4**	5743.750	94.76	-5.35	--	--	AV	62.00	200	Horizontal	N/A
5	7492.500	54.97	-0.41	74.0	19.03	Peak	44.00	150	Horizontal	Pass
5**	7492.500	45.39	-0.41	54.0	8.61	AV	44.00	150	Horizontal	Pass
6	12546.938	53.11	1.54	74.0	20.89	Peak	343.00	100	Horizontal	Pass
6**	12546.938	42.71	1.54	54.0	11.29	AV	343.00	100	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	1196.200	40.39	-20.28	74.0	33.61	Peak	243.00	150	Vertical	Pass
1**	1196.200	27.75	-20.28	54.0	26.25	AV	243.00	150	Vertical	Pass
2	2750.100	43.26	-12.89	74.0	30.74	Peak	217.00	150	Vertical	Pass
2**	2750.100	33.62	-12.89	54.0	20.38	AV	217.00	150	Vertical	Pass
3	4357.000	47.01	-6.62	74.0	26.99	Peak	252.00	150	Vertical	Pass
3**	4357.000	39.04	-6.62	54.0	14.96	AV	252.00	150	Vertical	Pass
4	5743.250	103.82	-5.34	--	--	Peak	339.00	100	Vertical	N/A
4**	5743.250	95.83	-5.34	--	--	AV	339.00	100	Vertical	N/A
5	7494.750	54.11	-0.40	74.0	19.89	Peak	43.00	200	Vertical	Pass
5**	7494.750	44.89	-0.40	54.0	9.11	AV	43.00	200	Vertical	Pass
6	12318.701	52.23	0.69	74.0	21.77	Peak	20.00	400	Vertical	Pass
6**	12318.701	43.56	0.69	54.0	10.44	AV	20.00	400	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	1199.800	39.81	-20.19	74.0	34.19	Peak	259.00	150	Horizontal	Pass
1**	1199.800	29.34	-20.19	54.0	24.66	AV	259.00	150	Horizontal	Pass
2	2731.400	43.68	-11.59	74.0	30.32	Peak	124.00	100	Horizontal	Pass
2**	2731.400	34.13	-11.59	54.0	19.87	AV	124.00	100	Horizontal	Pass
3	4180.250	47.10	-7.04	74.0	26.90	Peak	0.00	100	Horizontal	Pass
3**	4180.250	37.36	-7.04	54.0	16.64	AV	0.00	100	Horizontal	Pass
4	5782.500	100.31	-4.71	--	--	Peak	59.00	100	Horizontal	N/A
4**	5782.500	93.32	-4.71	--	--	AV	59.00	100	Horizontal	N/A
5	7493.750	54.22	-0.42	74.0	19.78	Peak	85.00	100	Horizontal	Pass
5**	7493.750	45.72	-0.42	54.0	8.28	AV	85.00	100	Horizontal	Pass
6	12339.838	52.06	0.72	74.0	21.94	Peak	217.00	400	Horizontal	Pass
6**	12339.838	43.17	0.72	54.0	10.83	AV	217.00	400	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	1202.700	39.85	-20.21	74.0	34.15	Peak	244.00	150	Vertical	Pass
1**	1202.700	27.80	-20.21	54.0	26.20	AV	244.00	150	Vertical	Pass
2	2799.200	43.95	-12.77	74.0	30.05	Peak	39.00	400	Vertical	Pass
2**	2799.200	34.79	-12.77	54.0	19.21	AV	39.00	400	Vertical	Pass
3	4342.750	47.59	-6.27	74.0	26.41	Peak	186.00	150	Vertical	Pass
3**	4342.750	38.88	-6.27	54.0	15.12	AV	186.00	150	Vertical	Pass
4	5783.250	102.84	-4.70	--	--	Peak	337.00	400	Vertical	N/A
4**	5783.250	95.58	-4.70	--	--	AV	337.00	400	Vertical	N/A
5	7493.000	54.35	-0.42	74.0	19.65	Peak	63.00	150	Vertical	Pass
5**	7493.000	45.70	-0.42	54.0	8.30	AV	63.00	150	Vertical	Pass
6	12351.713	52.38	0.72	74.0	21.62	Peak	360.00	100	Vertical	Pass
6**	12351.713	44.01	0.72	54.0	9.99	AV	360.00	100	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	1198.900	39.35	-20.20	74.0	34.65	Peak	217.00	150	Horizontal	Pass
1**	1198.900	29.55	-20.20	54.0	24.45	AV	217.00	150	Horizontal	Pass
2	2702.500	43.41	-12.67	74.0	30.59	Peak	70.00	100	Horizontal	Pass
2**	2702.500	34.31	-12.67	54.0	19.69	AV	70.00	100	Horizontal	Pass
3	4331.000	47.70	-6.00	74.0	26.30	Peak	103.00	150	Horizontal	Pass
3**	4331.000	38.14	-6.00	54.0	15.86	AV	103.00	150	Horizontal	Pass
4	5818.250	101.84	-4.78	--	--	Peak	59.00	100	Horizontal	N/A
4**	5818.250	93.68	-4.78	--	--	AV	59.00	100	Horizontal	N/A
5	7535.750	54.36	-0.39	74.0	19.64	Peak	163.00	100	Horizontal	Pass
5**	7535.750	44.98	-0.39	54.0	9.02	AV	163.00	100	Horizontal	Pass
6	12532.213	51.89	1.22	74.0	22.11	Peak	316.00	300	Horizontal	Pass
6**	12532.213	42.24	1.22	54.0	11.76	AV	316.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1200.200	41.55	-20.18	74.0	32.45	Peak	360.00	150	Vertical	Pass
1**	1200.200	29.06	-20.18	54.0	24.94	AV	360.00	150	Vertical	Pass
2	2888.000	43.15	-12.12	74.0	30.85	Peak	44.00	300	Vertical	Pass
2**	2888.000	34.70	-12.12	54.0	19.30	AV	44.00	300	Vertical	Pass
3	4321.250	47.33	-5.95	74.0	26.67	Peak	26.00	200	Vertical	Pass
3**	4321.250	38.41	-5.95	54.0	15.59	AV	26.00	200	Vertical	Pass
4	5820.250	102.87	-4.74	--	--	Peak	335.00	300	Vertical	N/A
4**	5820.250	95.67	-4.74	--	--	AV	335.00	300	Vertical	N/A
5	7590.500	54.30	-0.79	74.0	19.70	Peak	234.00	100	Vertical	Pass
5**	7590.500	44.21	-0.79	54.0	9.79	AV	234.00	100	Vertical	Pass
6	12344.825	52.55	0.73	74.0	21.45	Peak	360.00	200	Vertical	Pass
6**	12344.825	43.69	0.73	54.0	10.31	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	1440.500	40.29	-19.77	74.0	33.71	Peak	81.00	300	Horizontal	Pass
1**	1440.500	32.14	-19.77	54.0	21.86	AV	81.00	300	Horizontal	Pass
2	2868.800	43.36	-12.44	74.0	30.64	Peak	360.00	400	Horizontal	Pass
2**	2868.800	34.23	-12.44	54.0	19.77	AV	360.00	400	Horizontal	Pass
3	4305.250	47.31	-6.44	74.0	26.69	Peak	13.00	200	Horizontal	Pass
3**	4305.250	37.93	-6.44	54.0	16.07	AV	13.00	200	Horizontal	Pass
4	5759.500	98.57	-5.02	--	--	Peak	67.00	400	Horizontal	N/A
4**	5759.500	90.69	-5.02	--	--	AV	67.00	400	Horizontal	N/A
5	7499.500	53.74	-0.72	74.0	20.26	Peak	140.00	200	Horizontal	Pass
5**	7499.500	46.01	-0.72	54.0	7.99	AV	140.00	200	Horizontal	Pass
6	12341.262	52.51	0.72	74.0	21.49	Peak	189.00	300	Horizontal	Pass
6**	12341.262	43.38	0.72	54.0	10.62	AV	189.00	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	1200.900	40.80	-20.18	74.0	33.20	Peak	0.00	150	Vertical	Pass
1**	1200.900	30.25	-20.18	54.0	23.75	AV	0.00	150	Vertical	Pass
2	2885.400	43.24	-12.23	74.0	30.76	Peak	215.00	300	Vertical	Pass
2**	2885.400	34.79	-12.23	54.0	19.21	AV	215.00	300	Vertical	Pass
3	4356.500	47.63	-6.64	74.0	26.37	Peak	236.00	100	Vertical	Pass
3**	4356.500	38.33	-6.64	54.0	15.67	AV	236.00	100	Vertical	Pass
4	5750.250	101.94	-5.24	--	--	Peak	355.00	300	Vertical	N/A
4**	5750.250	94.00	-5.24	--	--	AV	355.00	300	Vertical	N/A
5	7596.750	55.02	-0.45	74.0	18.98	Peak	360.00	200	Vertical	Pass
5**	7596.750	44.32	-0.45	54.0	9.68	AV	360.00	200	Vertical	Pass
6	12327.012	52.59	0.70	74.0	21.41	Peak	286.00	200	Vertical	Pass
6**	12327.012	44.59	0.70	54.0	9.41	AV	286.00	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	1198.600	40.96	-20.21	74.0	33.04	Peak	349.00	150	Horizontal	Pass
1**	1198.600	29.71	-20.21	54.0	24.29	AV	349.00	150	Horizontal	Pass
2	2819.700	43.28	-12.83	74.0	30.72	Peak	219.00	400	Horizontal	Pass
2**	2819.700	33.53	-12.83	54.0	20.47	AV	219.00	400	Horizontal	Pass
3	4345.250	46.96	-6.43	74.0	27.04	Peak	27.00	150	Horizontal	Pass
3**	4345.250	38.22	-6.43	54.0	15.78	AV	27.00	150	Horizontal	Pass
4	5808.750	98.66	-4.78	--	--	Peak	63.00	300	Horizontal	N/A
4**	5808.750	90.47	-4.78	--	--	AV	63.00	300	Horizontal	N/A
5	7496.000	54.70	-0.49	74.0	19.30	Peak	0.00	200	Horizontal	Pass
5**	7496.000	45.40	-0.49	54.0	8.60	AV	0.00	200	Horizontal	Pass
6	12535.063	52.51	1.28	74.0	21.49	Peak	200.00	100	Horizontal	Pass
6**	12535.063	43.01	1.28	54.0	10.99	AV	200.00	100	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	1331.300	39.64	-19.77	74.0	34.36	Peak	181.00	150	Vertical	Pass
1**	1331.300	30.35	-19.77	54.0	23.65	AV	181.00	150	Vertical	Pass
2	2821.500	43.87	-12.78	74.0	30.13	Peak	170.00	100	Vertical	Pass
2**	2821.500	33.72	-12.78	54.0	20.28	AV	170.00	100	Vertical	Pass
3	4337.250	47.29	-6.09	74.0	26.71	Peak	32.00	150	Vertical	Pass
3**	4337.250	38.64	-6.09	54.0	15.36	AV	32.00	150	Vertical	Pass
4	5791.250	99.97	-4.73	--	--	Peak	360.00	100	Vertical	N/A
4**	5791.250	92.57	-4.73	--	--	AV	360.00	100	Vertical	N/A
5	7531.250	54.54	-0.63	74.0	19.46	Peak	240.00	100	Vertical	Pass
5**	7531.250	45.60	-0.63	54.0	8.40	AV	240.00	100	Vertical	Pass
6	12342.925	52.26	0.72	74.0	21.74	Peak	135.00	100	Vertical	Pass
6**	12342.925	43.34	0.72	54.0	10.66	AV	135.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1199.200	40.54	-20.20	74.0	33.46	Peak	349.00	150	Horizontal	Pass
1**	1199.200	28.44	-20.20	54.0	25.56	AV	349.00	150	Horizontal	Pass
2	2889.600	43.62	-12.16	74.0	30.38	Peak	349.00	100	Horizontal	Pass
2**	2889.600	34.89	-12.16	54.0	19.11	AV	349.00	100	Horizontal	Pass
3	4213.500	47.60	-7.61	74.0	26.40	Peak	76.00	100	Horizontal	Pass
3**	4213.500	36.96	-7.61	54.0	17.04	AV	76.00	100	Horizontal	Pass
4	5780.750	95.21	-4.64	--	--	Peak	58.00	400	Horizontal	N/A
4**	5780.750	87.08	-4.64	--	--	AV	58.00	400	Horizontal	N/A
5	7508.500	54.94	-1.24	74.0	19.06	Peak	344.00	100	Horizontal	Pass
5**	7508.500	45.04	-1.24	54.0	8.96	AV	344.00	100	Horizontal	Pass
6	12327.012	52.75	0.70	74.0	21.25	Peak	81.00	100	Horizontal	Pass
6**	12327.012	43.37	0.70	54.0	10.63	AV	81.00	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	1200.600	43.69	-20.18	74.0	30.31	Peak	241.00	150	Vertical	Pass
1**	1200.600	28.23	-20.18	54.0	25.77	AV	241.00	150	Vertical	Pass
2	2864.800	43.31	-12.32	74.0	30.69	Peak	0.00	300	Vertical	Pass
2**	2864.800	33.27	-12.32	54.0	20.73	AV	0.00	300	Vertical	Pass
3	4365.500	46.75	-6.76	74.0	27.25	Peak	45.00	150	Vertical	Pass
3**	4365.500	37.63	-6.76	54.0	16.37	AV	45.00	150	Vertical	Pass
4	5781.750	98.08	-4.69	--	--	Peak	345.00	200	Vertical	N/A
4**	5781.750	90.68	-4.69	--	--	AV	345.00	200	Vertical	N/A
5	7492.750	54.40	-0.43	74.0	19.60	Peak	145.00	200	Vertical	Pass
5**	7492.750	45.02	-0.43	54.0	8.98	AV	145.00	200	Vertical	Pass
6	12355.512	52.61	0.69	74.0	21.39	Peak	34.00	100	Vertical	Pass
6**	12355.512	45.19	0.69	54.0	8.81	AV	34.00	100	Vertical	Pass

A.6.2 Band Edge (Restricted-band)

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

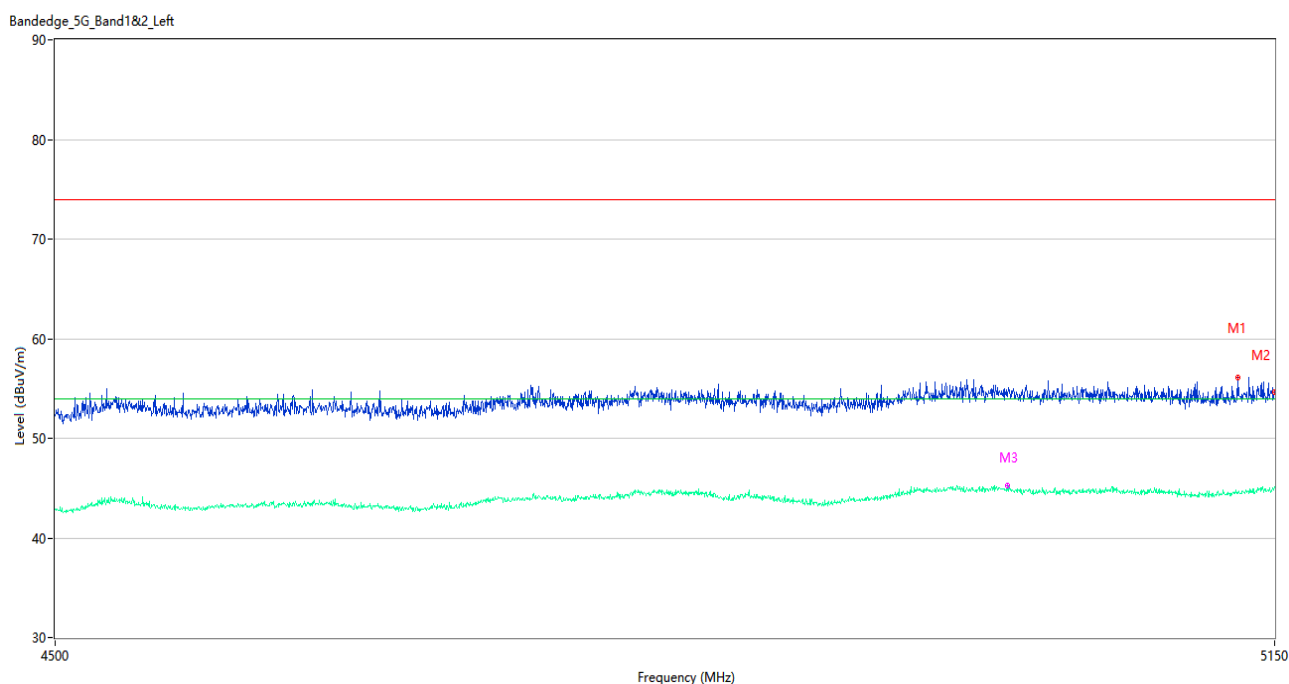
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass
	802.11ac(VHT80)	Middle	Pass

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

Test Data and Plots

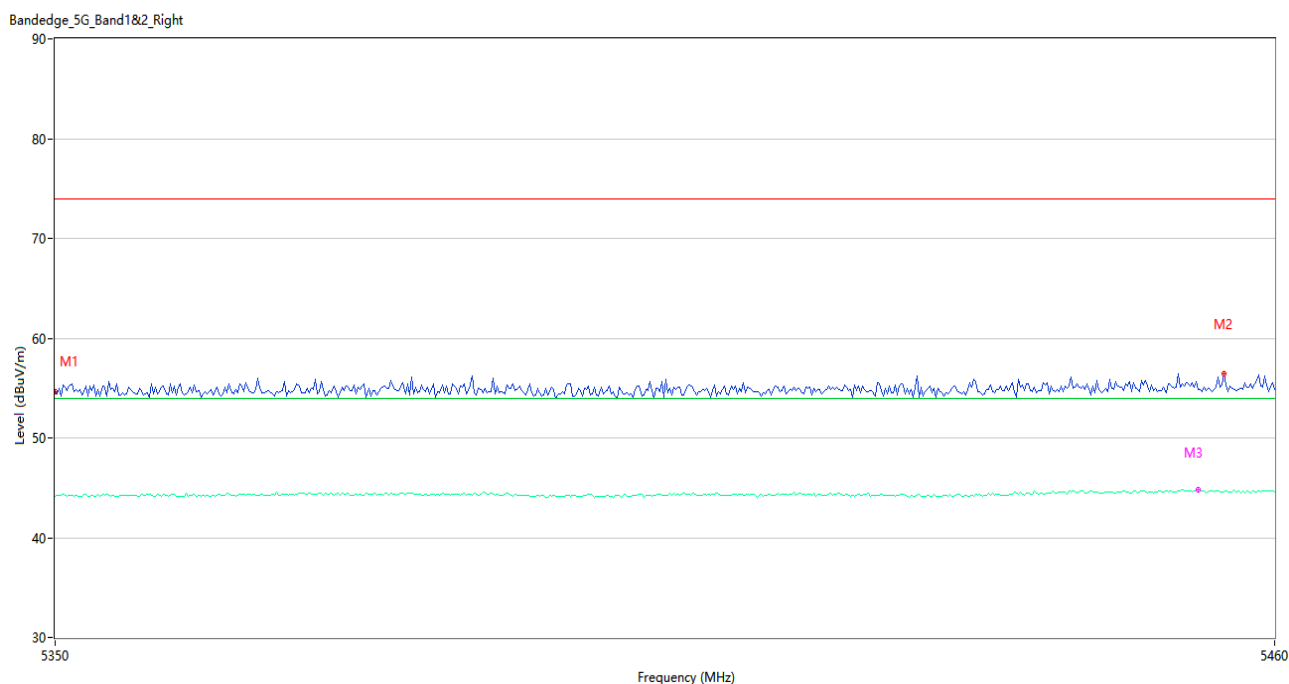
SISO-Antenna A

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	5128.875	56.12	0.62	74.0	17.88	Peak	259.00	100	Horizontal	Pass
1**	5128.875	44.44	0.62	54.0	9.56	AV	259.00	100	Horizontal	Pass
2	5150.000	54.59	0.84	74.0	19.41	Peak	360.00	100	Horizontal	Pass
2**	5150.000	45.09	0.84	54.0	8.91	AV	360.00	100	Horizontal	Pass
3	4999.850	54.17	1.77	74.0	19.83	Peak	297.00	150	Horizontal	Pass
3**	4999.850	45.30	1.77	54.0	8.70	AV	297.00	150	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	54.62	0.85	74.0	19.38	Peak	269.00	200	Horizontal	Pass
1**	5350.000	44.12	0.85	54.0	9.88	AV	269.00	200	Horizontal	Pass
2	5455.416	56.44	1.18	74.0	17.56	Peak	150.00	100	Horizontal	Pass
2**	5455.416	44.62	1.18	54.0	9.38	AV	150.00	100	Horizontal	Pass
3	5453.033	54.87	1.28	74.0	19.13	Peak	246.00	150	Horizontal	Pass
3**	5453.033	44.85	1.28	54.0	9.15	AV	246.00	150	Horizontal	Pass

U-NII-1 11n20 Low Channel



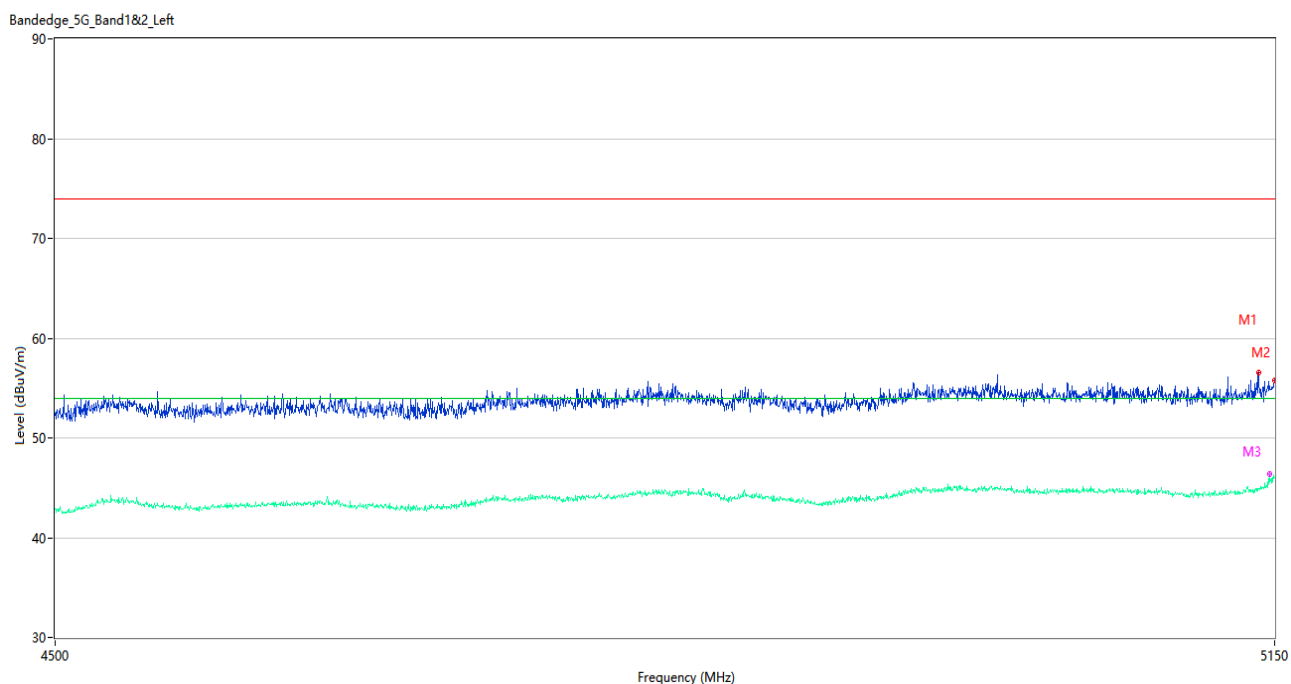
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5054.775	56.62	0.79	74.0	17.38	Peak	132.00	200	Horizontal	Pass
1**	5054.775	44.52	0.79	54.0	9.48	AV	132.00	200	Horizontal	Pass
2	5150.000	54.12	0.84	74.0	19.88	Peak	323.00	200	Horizontal	Pass
2**	5150.000	44.79	0.84	54.0	9.21	AV	323.00	200	Horizontal	Pass
3	4958.575	53.70	2.19	74.0	20.30	Peak	225.00	150	Horizontal	Pass
3**	4958.575	45.46	2.19	54.0	8.54	AV	225.00	150	Horizontal	Pass

U-NII-1 11n20 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	54.75	0.85	74.0	19.25	Peak	199.00	100	Horizontal	Pass
1**	5350.000	44.21	0.85	54.0	9.79	AV	199.00	100	Horizontal	Pass
2	5440.567	56.66	1.28	74.0	17.34	Peak	360.00	150	Horizontal	Pass
2**	5440.567	44.74	1.28	54.0	9.26	AV	360.00	150	Horizontal	Pass
3	5448.633	55.32	1.26	74.0	18.68	Peak	223.00	150	Horizontal	Pass
3**	5448.633	44.90	1.26	54.0	9.10	AV	223.00	150	Horizontal	Pass

U-NII-1 11n40 Low Channel



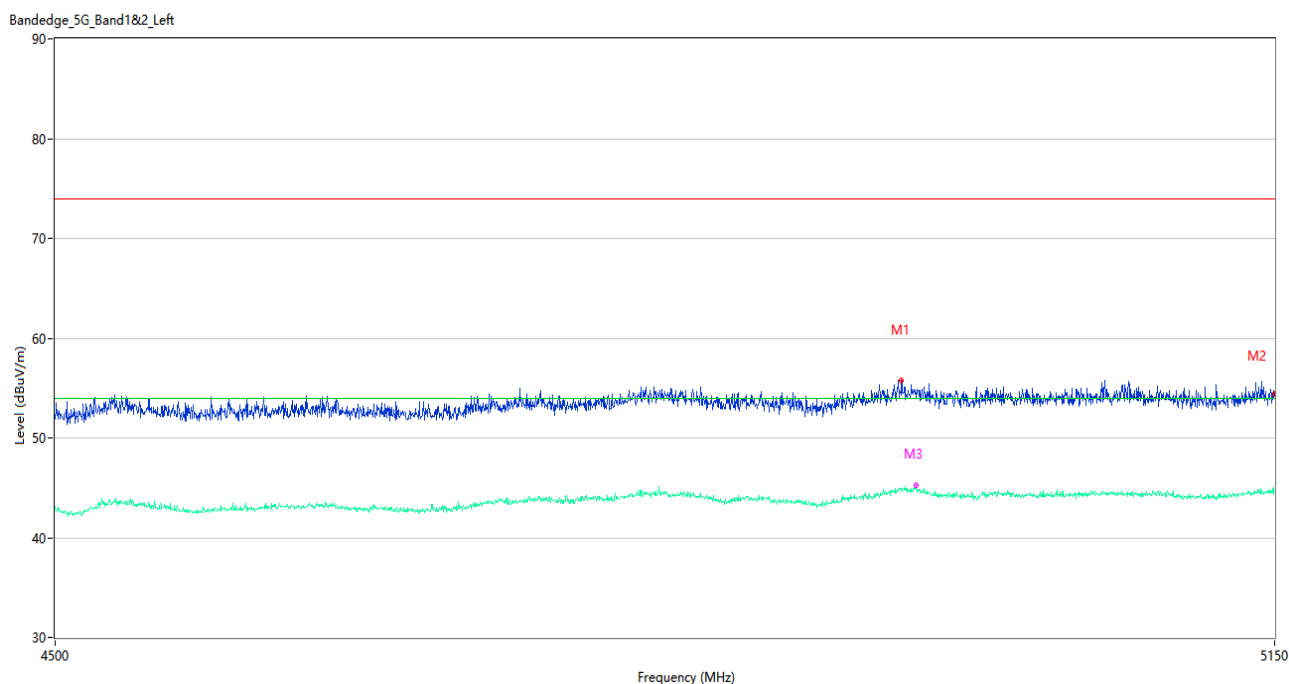
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5140.900	56.50	0.94	74.0	17.50	Peak	34.00	100	Horizontal	Pass
1**	5140.900	44.95	0.94	54.0	9.05	AV	34.00	100	Horizontal	Pass
2	5150.000	55.79	0.84	74.0	18.21	Peak	32.00	100	Horizontal	Pass
2**	5150.000	46.08	0.84	54.0	7.92	AV	32.00	100	Horizontal	Pass
3	5147.075	54.91	0.92	74.0	19.09	Peak	68.00	150	Horizontal	Pass
3**	5147.075	46.36	0.92	54.0	7.64	AV	68.00	150	Horizontal	Pass

U-NII-1 11n40 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	54.93	0.85	74.0	19.07	Peak	259.00	200	Horizontal	Pass
1**	5350.000	44.25	0.85	54.0	9.75	AV	259.00	200	Horizontal	Pass
2	5442.400	56.68	1.30	74.0	17.32	Peak	148.00	150	Horizontal	Pass
2**	5442.400	44.59	1.30	54.0	9.41	AV	148.00	150	Horizontal	Pass
3	5454.317	54.73	1.22	74.0	19.27	Peak	42.00	150	Horizontal	Pass
3**	5454.317	44.91	1.22	54.0	9.09	AV	42.00	150	Horizontal	Pass

U-NII-1 11ac20 Low Channel



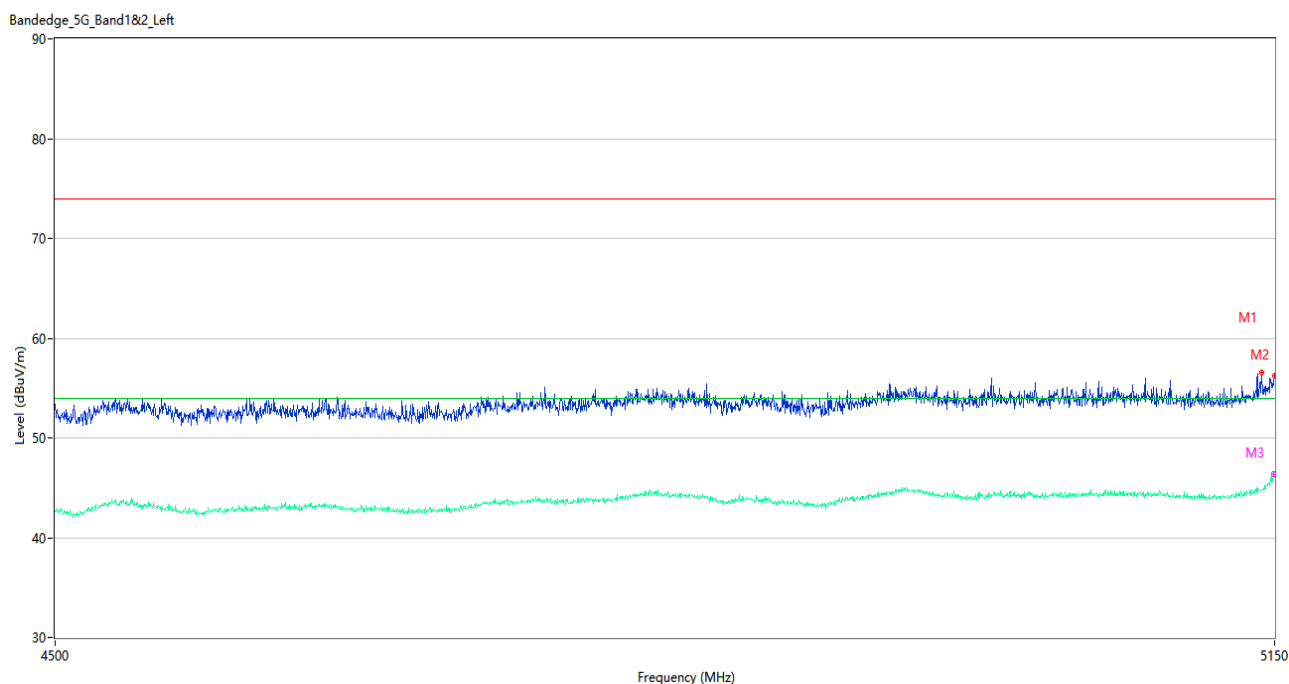
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	4941.675	55.81	2.06	74.0	18.19	Peak	200.00	150	Horizontal	Pass
1**	4941.675	44.73	2.06	54.0	9.27	AV	200.00	150	Horizontal	Pass
2	5150.000	54.41	0.84	74.0	19.59	Peak	11.00	200	Horizontal	Pass
2**	5150.000	44.55	0.84	54.0	9.45	AV	11.00	200	Horizontal	Pass
3	4949.475	54.00	2.49	74.0	20.00	Peak	0.00	150	Horizontal	Pass
3**	4949.475	45.25	2.49	54.0	8.75	AV	0.00	150	Horizontal	Pass

U-NII-1 11ac20 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	54.60	0.85	74.0	19.40	Peak	133.00	150	Horizontal	Pass
1**	5350.000	44.06	0.85	54.0	9.94	AV	133.00	150	Horizontal	Pass
2	5448.267	56.31	1.26	74.0	17.69	Peak	112.00	150	Horizontal	Pass
2**	5448.267	44.38	1.26	54.0	9.62	AV	112.00	150	Horizontal	Pass
3	5452.300	54.80	1.29	74.0	19.20	Peak	270.00	150	Horizontal	Pass
3**	5452.300	44.67	1.29	54.0	9.33	AV	270.00	150	Horizontal	Pass

U-NII-1 11ac40 Low Channel



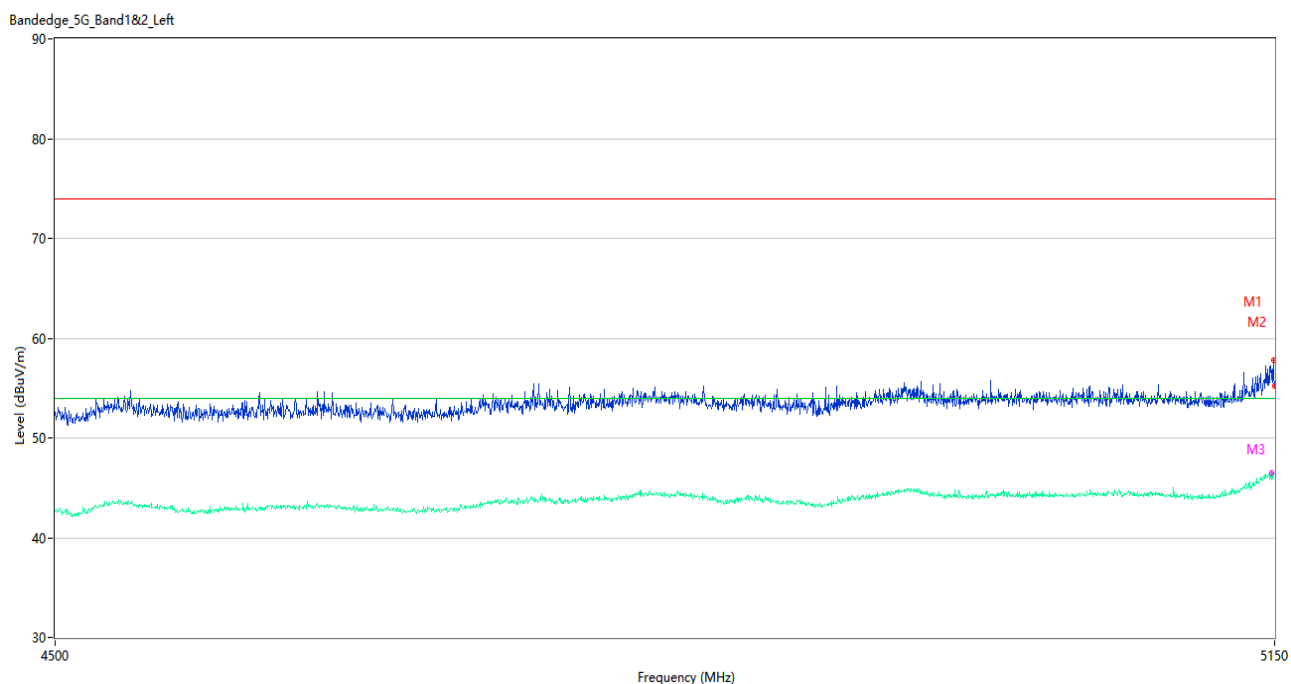
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5142.525	56.52	0.92	74.0	17.48	Peak	30.00	150	Horizontal	Pass
1**	5142.525	44.85	0.92	54.0	9.15	AV	30.00	150	Horizontal	Pass
2	5150.000	56.21	0.84	74.0	17.79	Peak	40.00	100	Horizontal	Pass
2**	5150.000	46.01	0.84	54.0	7.99	AV	40.00	100	Horizontal	Pass
3	5149.675	55.48	0.84	74.0	18.52	Peak	0.00	150	Horizontal	Pass
3**	5149.675	46.38	0.84	54.0	7.62	AV	0.00	150	Horizontal	Pass

U-NII-1 11ac40 High Channel



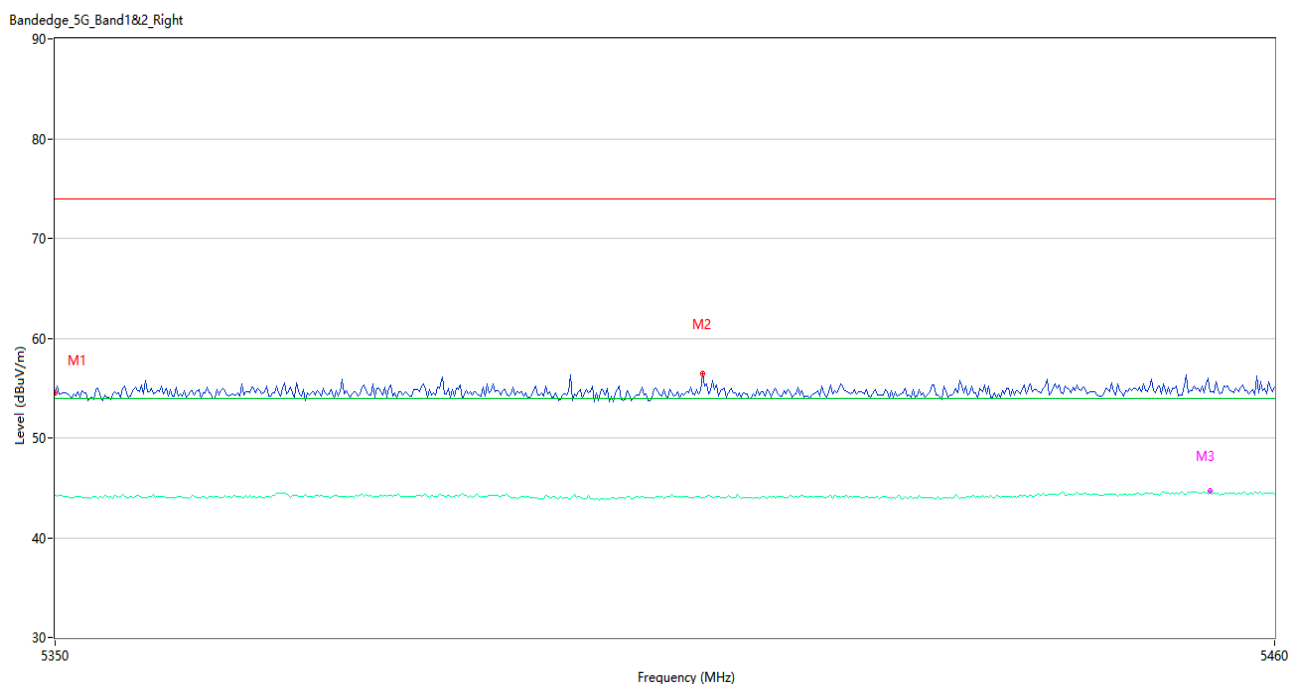
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	53.94	0.85	74.0	20.06	Peak	54.00	200	Horizontal	Pass
1**	5350.000	44.01	0.85	54.0	9.99	AV	54.00	200	Horizontal	Pass
2	5449.000	56.46	1.26	74.0	17.54	Peak	255.00	100	Horizontal	Pass
2**	5449.000	44.47	1.26	54.0	9.53	AV	255.00	100	Horizontal	Pass
3	5447.350	54.46	1.26	74.0	19.54	Peak	45.00	150	Horizontal	Pass
3**	5447.350	44.66	1.26	54.0	9.34	AV	45.00	150	Horizontal	Pass

U-NII-1 11ac80 Middle Channel



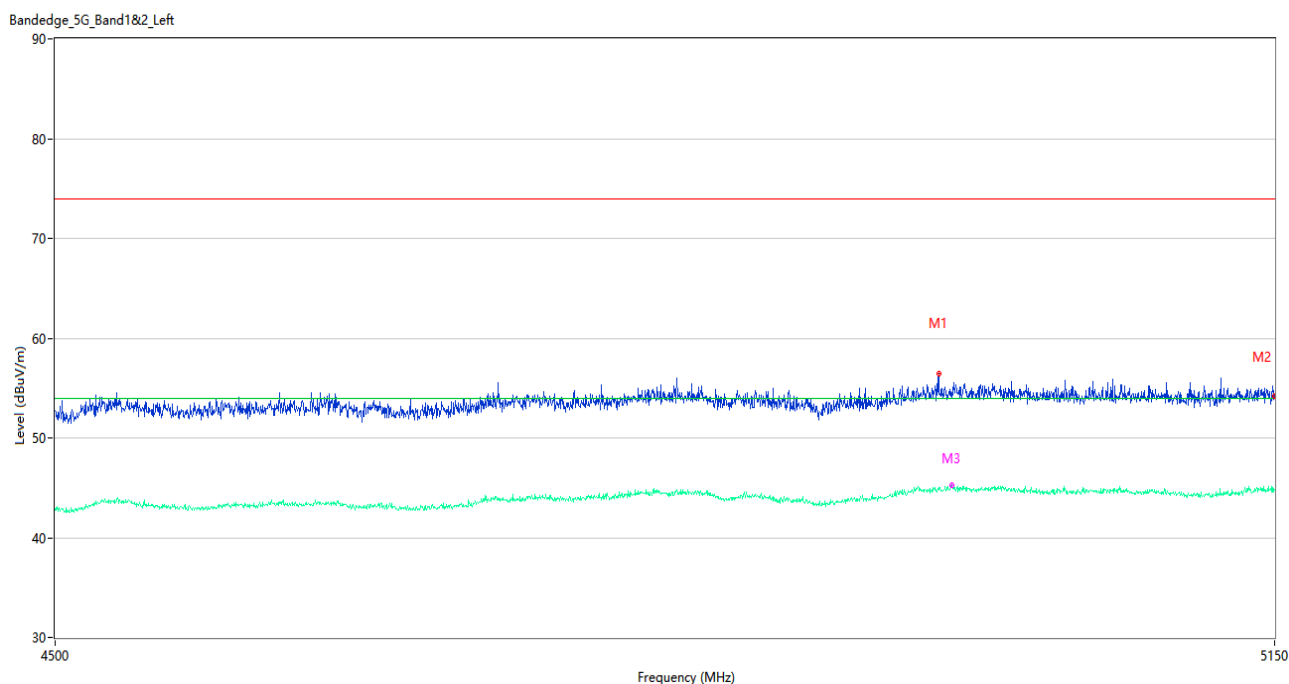
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5149.350	57.82	0.84	74.0	16.18	Peak	119.00	100	Horizontal	Pass
1**	5149.350	46.30	0.84	54.0	7.70	AV	119.00	100	Horizontal	Pass
2	5150.000	55.24	0.84	74.0	18.76	Peak	125.00	200	Horizontal	Pass
2**	5150.000	46.41	0.84	54.0	7.59	AV	125.00	200	Horizontal	Pass
3	5148.050	55.92	0.87	74.0	18.08	Peak	134.00	150	Horizontal	Pass
3**	5148.050	46.48	0.87	54.0	7.52	AV	134.00	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	54.56	0.85	74.0	19.44	Peak	255.00	200	Horizontal	Pass
1**	5350.000	44.19	0.85	54.0	9.81	AV	255.00	200	Horizontal	Pass
2	5408.117	56.43	1.21	74.0	17.57	Peak	274.00	150	Horizontal	Pass
2**	5408.117	44.04	1.21	54.0	9.96	AV	274.00	150	Horizontal	Pass
3	5454.133	54.64	1.22	74.0	19.36	Peak	271.00	150	Horizontal	Pass
3**	5454.133	44.70	1.22	54.0	9.30	AV	271.00	150	Horizontal	Pass

U-NII-2A 11a Low Channel



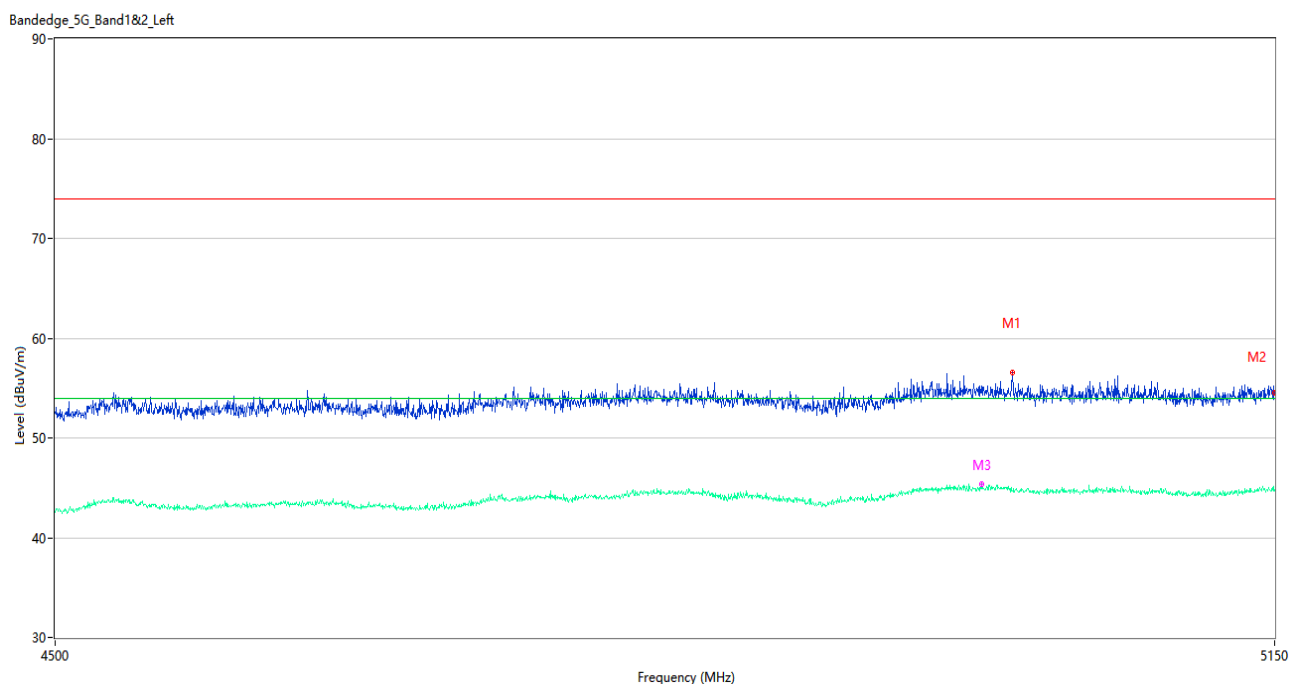
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	4962.150	56.47	2.06	74.0	17.53	Peak	233.00	150	Vertical	Pass
1**	4962.150	44.75	2.06	54.0	9.25	AV	233.00	150	Vertical	Pass
2	5150.000	54.16	0.84	74.0	19.84	Peak	161.00	200	Vertical	Pass
2**	5150.000	44.84	0.84	54.0	9.16	AV	161.00	200	Vertical	Pass
3	4969.300	54.12	2.01	74.0	19.88	Peak	35.00	150	Vertical	Pass
3**	4969.300	45.27	2.01	54.0	8.73	AV	35.00	150	Vertical	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	55.40	0.85	74.0	18.60	Peak	263.00	150	Vertical	Pass
1**	5350.000	44.46	0.85	54.0	9.54	AV	263.00	150	Vertical	Pass
2	5394.366	56.48	0.86	74.0	17.52	Peak	38.00	150	Vertical	Pass
2**	5394.366	44.15	0.86	54.0	9.85	AV	38.00	150	Vertical	Pass

U-NII-2A 11n20 Low Channel



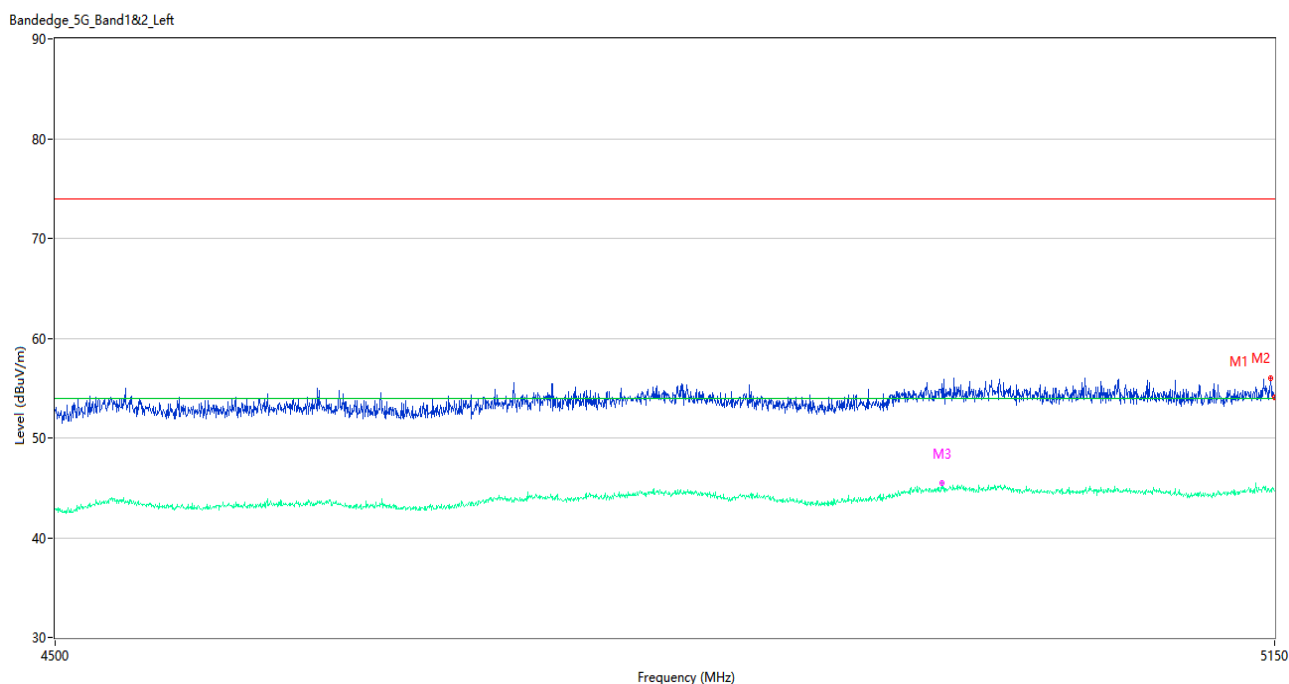
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5002.775	56.52	1.69	74.0	17.48	Peak	40.00	200	Vertical	Pass
1**	5002.775	44.71	1.69	54.0	9.29	AV	40.00	200	Vertical	Pass
2	5150.000	54.57	0.84	74.0	19.43	Peak	330.00	100	Vertical	Pass
2**	5150.000	44.67	0.84	54.0	9.33	AV	330.00	100	Vertical	Pass
3	4985.550	55.16	1.86	74.0	18.84	Peak	346.00	150	Vertical	Pass
3**	4985.550	45.33	1.86	54.0	8.67	AV	346.00	150	Vertical	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	5350.000	54.70	0.85	74.0	19.30	Peak	258.00	150	Vertical	Pass
1**	5350.000	44.58	0.85	54.0	9.42	AV	258.00	150	Vertical	Pass
2	5420.583	56.57	1.27	74.0	17.43	Peak	328.00	100	Vertical	Pass
2**	5420.583	44.30	1.27	54.0	9.70	AV	328.00	100	Vertical	Pass
3	5457.617	54.74	1.18	74.0	19.26	Peak	249.00	150	Vertical	Pass
3**	5457.617	45.02	1.18	54.0	8.98	AV	249.00	150	Vertical	Pass

U-NII-2A 11n40 Low Channel



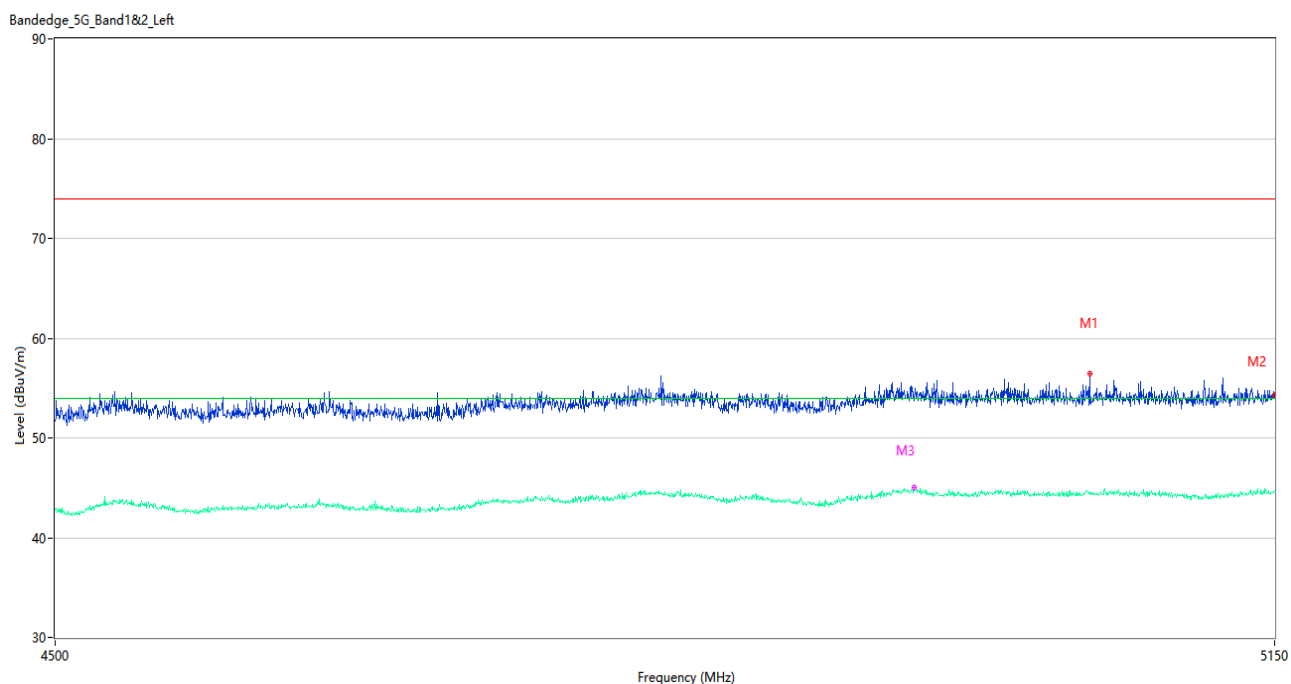
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5147.725	56.00	0.89	74.0	18.00	Peak	234.00	100	Vertical	Pass
1**	5147.725	44.77	0.89	54.0	9.23	AV	234.00	100	Vertical	Pass
2	5150.000	54.06	0.84	74.0	19.94	Peak	66.00	200	Vertical	Pass
2**	5150.000	44.69	0.84	54.0	9.31	AV	66.00	200	Vertical	Pass
3	4964.100	55.37	1.99	74.0	18.63	Peak	207.00	150	Vertical	Pass
3**	4964.100	45.47	1.99	54.0	8.53	AV	207.00	150	Vertical	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	54.93	0.85	74.0	19.07	Peak	37.00	200	Vertical	Pass
1**	5350.000	44.98	0.85	54.0	9.02	AV	37.00	200	Vertical	Pass
2	5364.850	58.73	0.80	74.0	15.27	Peak	28.00	200	Vertical	Pass
2**	5364.850	44.51	0.80	54.0	9.49	AV	28.00	200	Vertical	Pass
3	5350.733	55.24	0.87	74.0	18.76	Peak	360.00	150	Vertical	Pass
3**	5350.733	45.01	0.87	54.0	8.99	AV	360.00	150	Vertical	Pass

U-NII-2A 11ac20 Low Channel



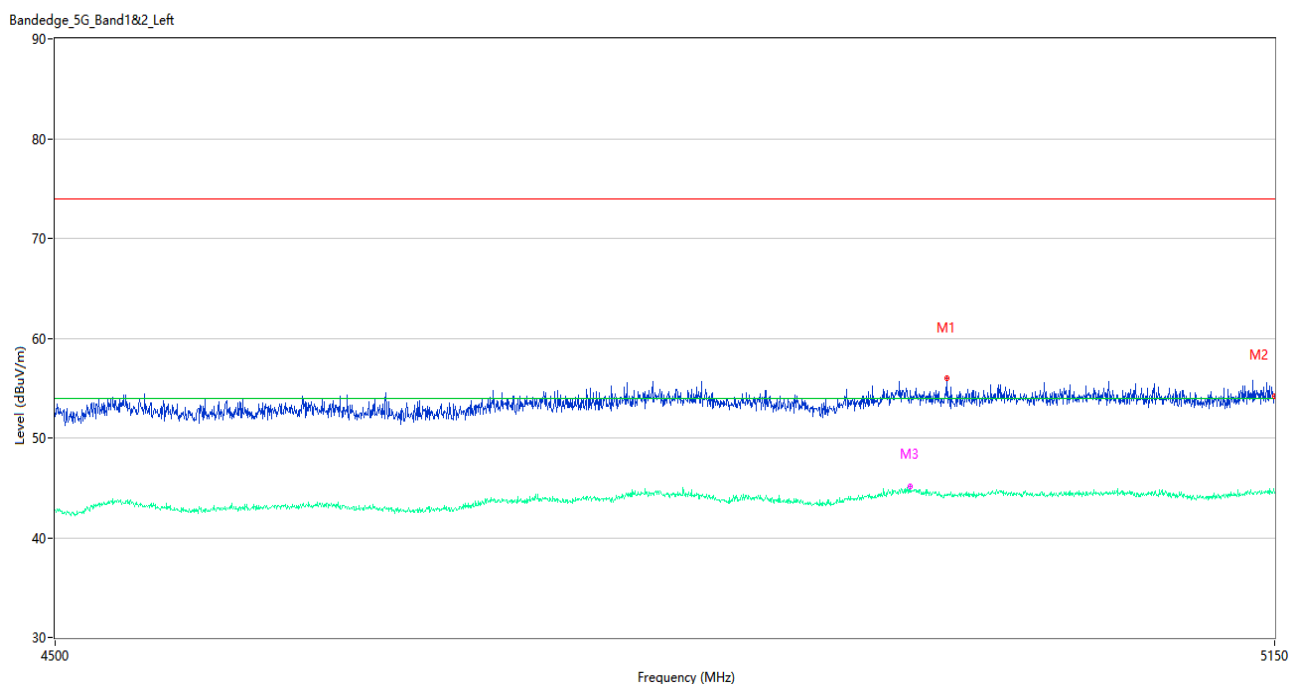
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5045.675	56.49	0.80	74.0	17.51	Peak	277.00	150	Vertical	Pass
1**	5045.675	44.40	0.80	54.0	9.60	AV	277.00	150	Vertical	Pass
2	5150.000	54.32	0.84	74.0	19.68	Peak	255.00	150	Vertical	Pass
2**	5150.000	44.70	0.84	54.0	9.30	AV	255.00	150	Vertical	Pass
3	4948.500	53.75	2.42	74.0	20.25	Peak	182.00	150	Vertical	Pass
3**	4948.500	45.02	2.42	54.0	8.98	AV	182.00	150	Vertical	Pass

U-NII-2A 11ac20 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.25	0.85	74.0	18.75	Peak	285.00	200	Vertical	Pass
1**	5350.000	44.16	0.85	54.0	9.84	AV	285.00	200	Vertical	Pass
2	5457.800	56.84	1.19	74.0	17.16	Peak	334.00	150	Vertical	Pass
2**	5457.800	44.61	1.19	54.0	9.39	AV	334.00	150	Vertical	Pass
3	5400.233	54.03	0.94	74.0	19.97	Peak	0.00	150	Vertical	Pass
3**	5400.233	44.98	0.94	54.0	9.02	AV	0.00	150	Vertical	Pass

U-NII-2A 11ac40 Low Channel



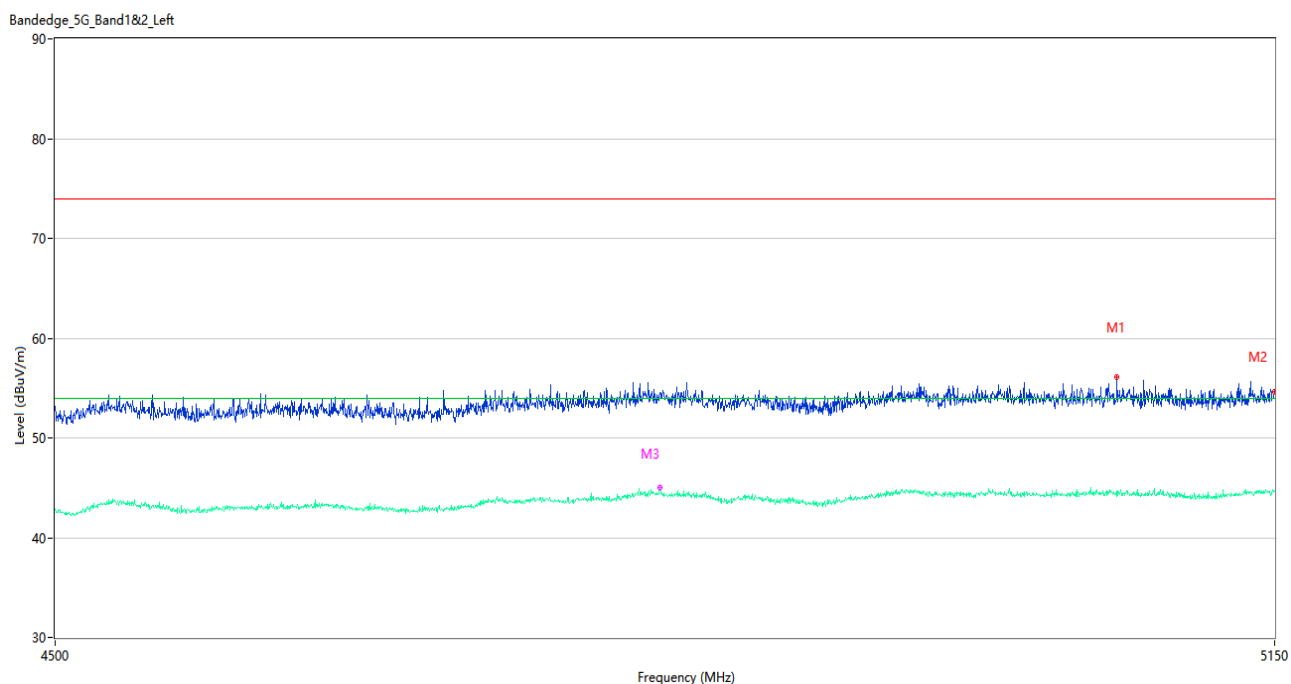
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	4966.375	56.03	2.00	74.0	17.97	Peak	149.00	100	Vertical	Pass
1**	4966.375	44.26	2.00	54.0	9.74	AV	149.00	100	Vertical	Pass
2	5150.000	54.23	0.84	74.0	19.77	Peak	160.00	150	Vertical	Pass
2**	5150.000	44.42	0.84	54.0	9.58	AV	160.00	150	Vertical	Pass
3	4946.225	54.19	2.26	74.0	19.81	Peak	344.00	150	Vertical	Pass
3**	4946.225	45.11	2.26	54.0	8.89	AV	344.00	150	Vertical	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	54.42	0.85	74.0	19.58	Peak	357.00	150	Vertical	Pass
1**	5350.000	44.96	0.85	54.0	9.04	AV	357.00	150	Vertical	Pass
2	5352.200	58.20	0.83	74.0	15.80	Peak	345.00	200	Vertical	Pass
2**	5352.200	44.60	0.83	54.0	9.40	AV	345.00	200	Vertical	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	5060.950	56.10	0.88	74.0	17.90	Peak	350.00	200	Vertical	Pass
1**	5060.950	44.15	0.88	54.0	9.85	AV	350.00	200	Vertical	Pass
2	5150.000	54.68	0.84	74.0	19.32	Peak	186.00	200	Vertical	Pass
2**	5150.000	44.64	0.84	54.0	9.36	AV	186.00	200	Vertical	Pass
3	4811.350	54.47	1.00	74.0	19.53	Peak	309.00	150	Vertical	Pass
3**	4811.350	45.06	1.00	54.0	8.94	AV	309.00	150	Vertical	Pass

U-NII-2A 11ac80 Middle Channel



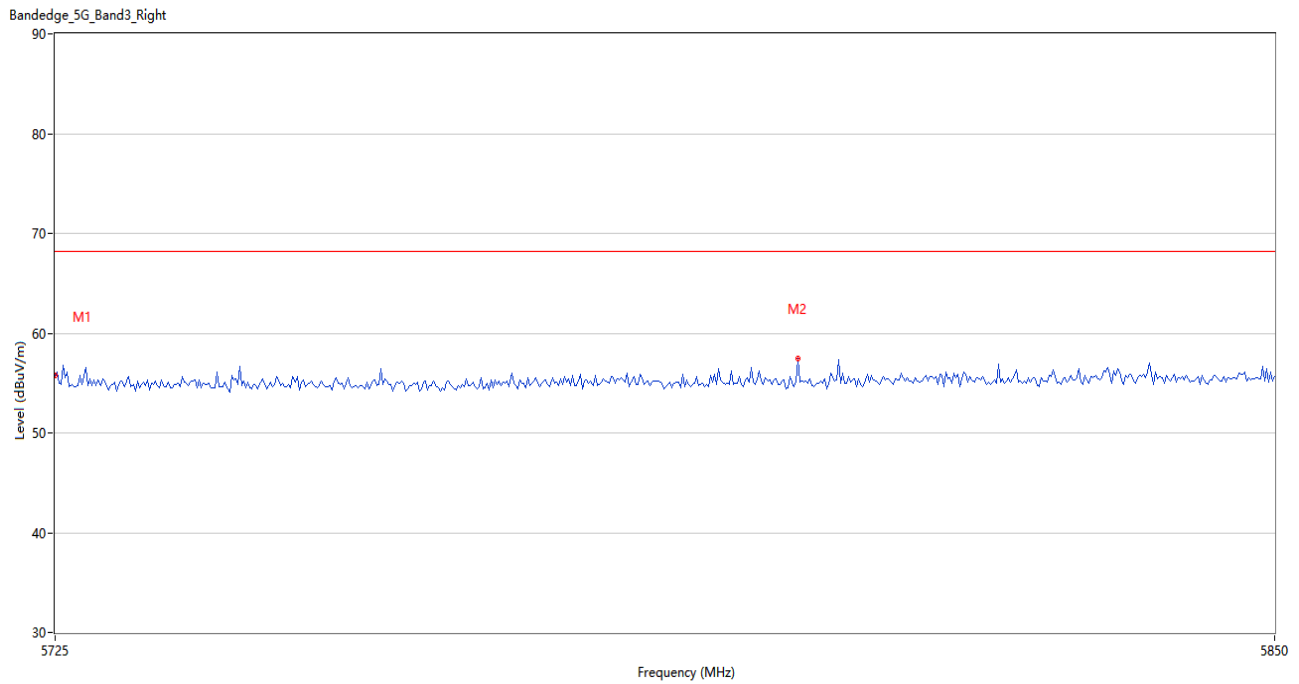
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	58.02	0.85	74.0	15.98	Peak	360.00	100	Vertical	Pass
1**	5350.000	45.26	0.85	54.0	8.74	AV	360.00	100	Vertical	Pass
2	5352.933	60.99	0.81	74.0	13.01	Peak	360.00	150	Vertical	Pass
2**	5352.933	45.12	0.81	54.0	8.88	AV	360.00	150	Vertical	Pass
3	5352.383	59.25	0.82	74.0	14.75	Peak	8.00	150	Vertical	Pass
3**	5352.383	45.49	0.82	54.0	8.51	AV	8.00	150	Vertical	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	5453.600	57.68	1.25	74.0	16.32	Peak	0.00	150	Vertical	Pass
1**	5453.600	44.61	1.25	54.0	9.39	AV	0.00	150	Vertical	Pass
2	5460.000	56.97	1.23	74.0	17.03	Peak	151.00	150	Vertical	Pass
2**	5460.000	44.63	1.23	54.0	9.37	AV	151.00	150	Vertical	Pass
3	5467.200	57.18	1.32	68.2	11.02	Peak	337.00	200	Vertical	Pass
3**	5467.200	45.06	1.32	--	--	AV	337.00	200	Vertical	N/A
4	5470.000	55.17	1.37	68.2	13.03	Peak	107.00	100	Vertical	Pass
4**	5470.000	45.14	1.37	--	--	AV	107.00	100	Vertical	N/A
5	5459.800	55.27	1.23	74.0	18.73	Peak	204.00	150	Vertical	Pass
5**	5459.800	44.96	1.23	54.0	9.04	AV	204.00	150	Vertical	Pass

U-NII-2C 11a High Channel



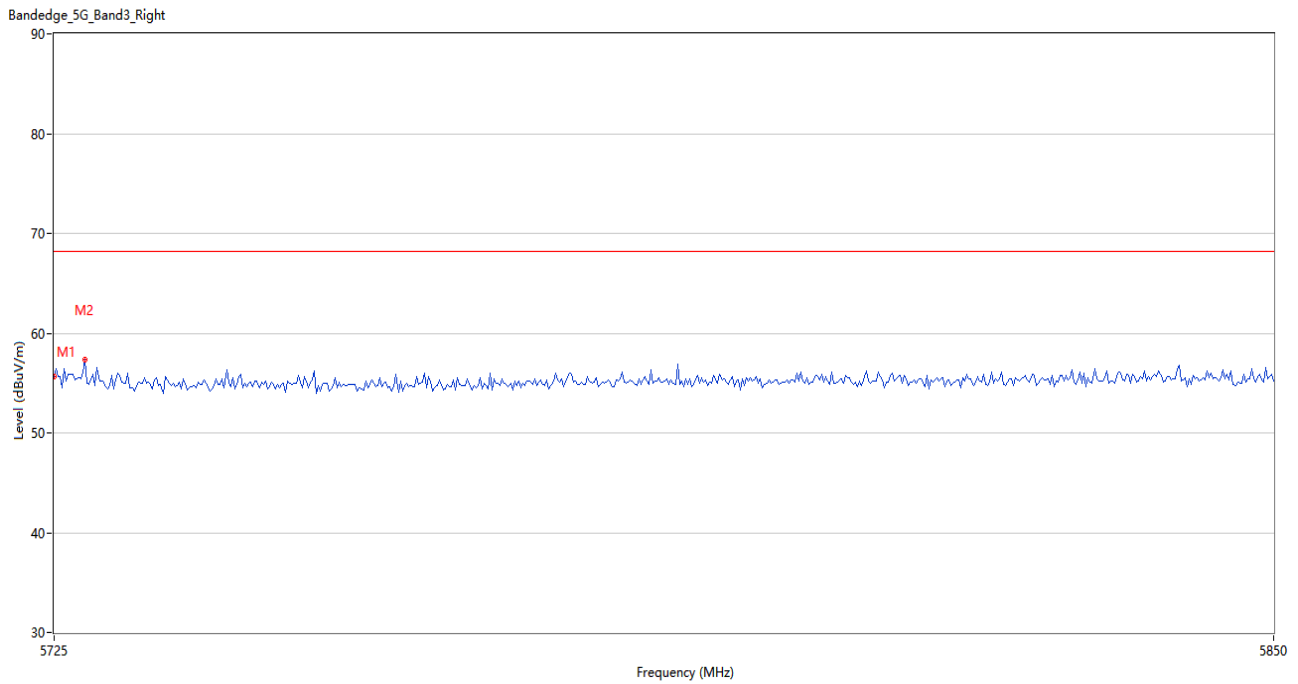
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	55.71	0.63	68.2	12.49	Peak	354.00	100	Vertical	Pass
2	5800.834	57.44	1.23	68.2	10.76	Peak	5.00	100	Vertical	Pass

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	5452.400	56.83	1.29	74.0	17.17	Peak	29.00	200	Vertical	Pass
1**	5452.400	44.87	1.29	54.0	9.13	AV	29.00	200	Vertical	Pass
2	5460.000	55.72	1.23	74.0	18.28	Peak	360.00	100	Vertical	Pass
2**	5460.000	44.67	1.23	54.0	9.33	AV	360.00	100	Vertical	Pass
3	5468.200	56.18	1.34	68.2	12.02	Peak	0.00	150	Vertical	Pass
3**	5468.200	44.98	1.34	--	--	AV	0.00	150	Vertical	N/A
4	5470.000	55.81	1.37	68.2	12.39	Peak	360.00	100	Vertical	Pass
4**	5470.000	45.24	1.37	--	--	AV	360.00	100	Vertical	N/A
5	5454.000	55.44	1.23	74.0	18.56	Peak	128.00	150	Vertical	Pass
5**	5454.000	44.97	1.23	54.0	9.03	AV	128.00	150	Vertical	Pass

U-NII-2C 11n20 High Channel



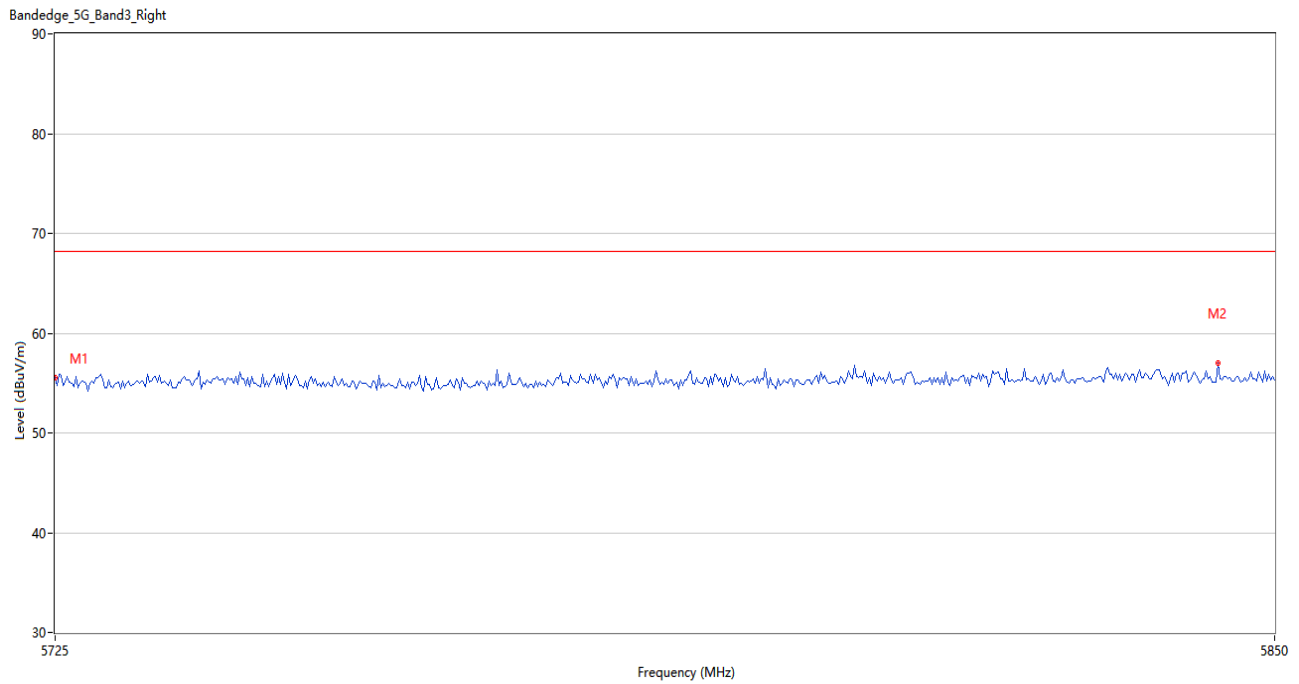
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	55.68	0.63	68.2	12.52	Peak	360.00	150	Vertical	Pass
2	5728.125	57.30	0.62	68.2	10.90	Peak	360.00	200	Vertical	Pass

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	5460.000	58.70	1.23	74.0	15.30	Peak	27.00	150	Vertical	Pass
1**	5460.000	45.38	1.23	54.0	8.62	AV	27.00	150	Vertical	Pass
2	5469.600	62.68	1.37	68.2	5.52	Peak	3.00	200	Vertical	Pass
2**	5469.600	46.95	1.37	--	--	AV	3.00	200	Vertical	N/A
3	5470.000	61.34	1.37	68.2	6.86	Peak	27.00	150	Vertical	Pass
3**	5470.000	47.08	1.37	--	--	AV	27.00	150	Vertical	N/A
4	5459.800	58.00	1.23	74.0	16.00	Peak	359.00	150	Vertical	Pass
4**	5459.800	45.55	1.23	54.0	8.45	AV	359.00	150	Vertical	Pass

U-NII-2C 11n40 High Channel



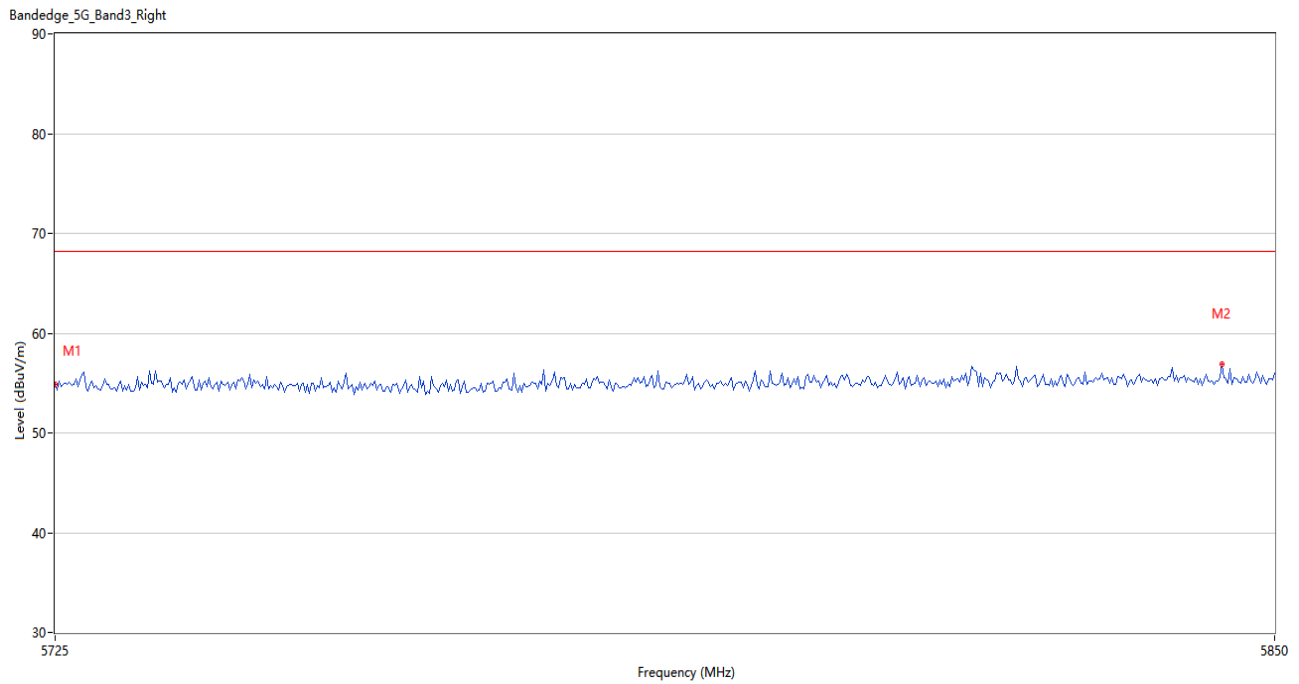
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	55.57	0.63	68.2	12.63	Peak	0.00	200	Vertical	Pass
2	5844.167	56.99	1.24	68.2	11.21	Peak	163.00	150	Vertical	Pass

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	5384.400	56.67	0.88	74.0	17.33	Peak	39.00	150	Vertical	Pass
1**	5384.400	44.15	0.88	54.0	9.85	AV	39.00	150	Vertical	Pass
2	5460.000	55.24	1.23	74.0	18.76	Peak	0.00	100	Vertical	Pass
2**	5460.000	44.51	1.23	54.0	9.49	AV	0.00	100	Vertical	Pass
3	5462.200	56.46	1.23	68.2	11.74	Peak	352.00	100	Vertical	Pass
3**	5462.200	44.49	1.23	--	--	AV	352.00	100	Vertical	N/A
4	5470.000	56.09	1.37	68.2	12.11	Peak	352.00	150	Vertical	Pass
4**	5470.000	45.10	1.37	--	--	AV	352.00	150	Vertical	N/A
5	5457.000	55.54	1.15	74.0	18.46	Peak	331.00	150	Vertical	Pass
5**	5457.000	44.93	1.15	54.0	9.07	AV	331.00	150	Vertical	Pass

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	54.91	0.63	68.2	13.29	Peak	0.00	200	Vertical	Pass
2	5844.583	56.93	1.24	68.2	11.27	Peak	30.00	150	Vertical	Pass

U-NII-2C 11ac40 Low Channel



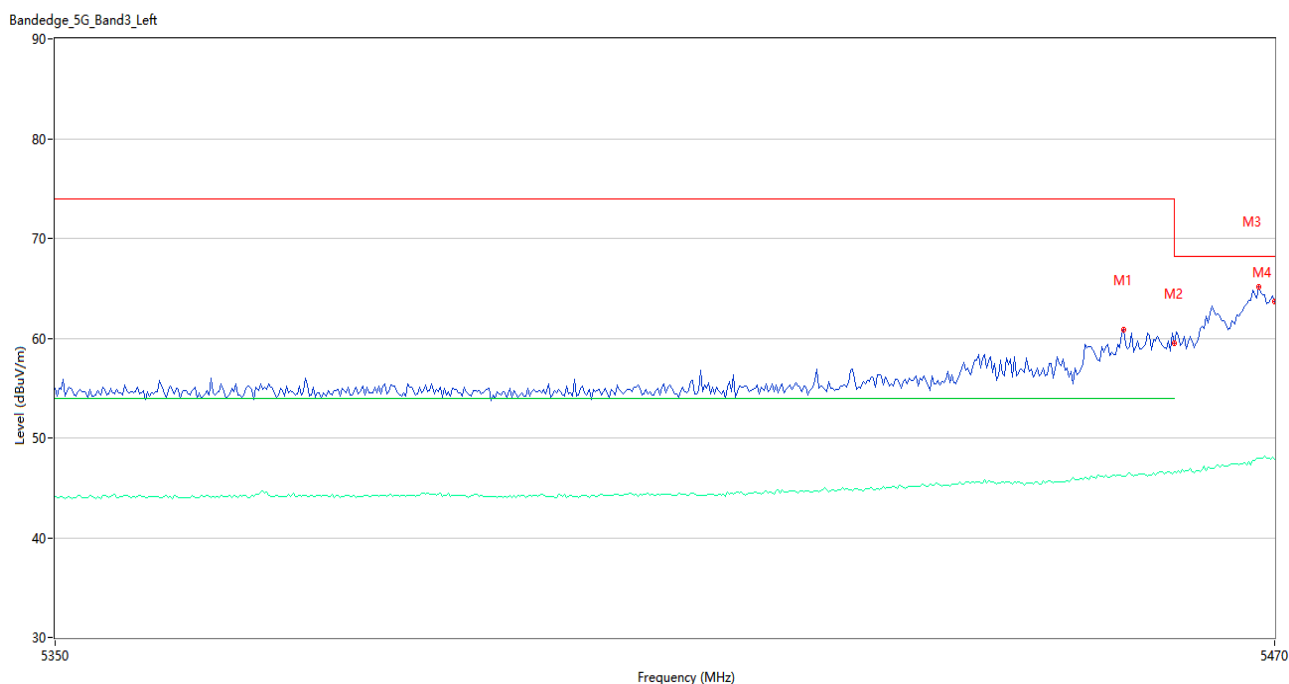
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5455.200	59.88	1.18	74.0	14.12	Peak	0.00	100	Vertical	Pass
1**	5455.200	45.07	1.18	54.0	8.93	AV	0.00	100	Vertical	Pass
2	5460.000	59.02	1.23	74.0	14.98	Peak	8.00	150	Vertical	Pass
2**	5460.000	45.30	1.23	54.0	8.70	AV	8.00	150	Vertical	Pass
3	5469.000	62.81	1.36	68.2	5.39	Peak	347.00	200	Vertical	Pass
3**	5469.000	46.65	1.36	--	--	AV	347.00	200	Vertical	N/A
4	5470.000	61.57	1.37	68.2	6.63	Peak	0.00	150	Vertical	Pass
4**	5470.000	47.06	1.37	--	--	AV	0.00	150	Vertical	N/A
5	5453.600	57.44	1.25	74.0	16.56	Peak	17.00	150	Vertical	Pass
5**	5453.600	45.44	1.25	54.0	8.56	AV	17.00	150	Vertical	Pass

U-NII-2C 11ac40 High Channel



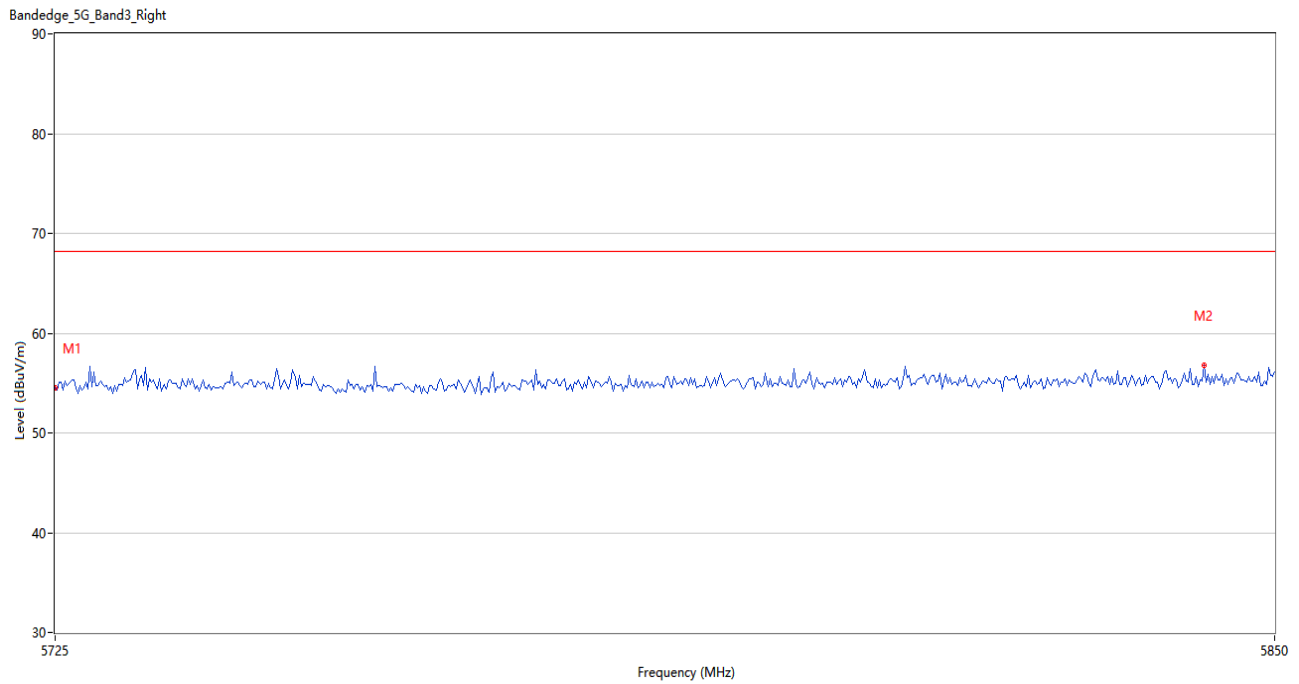
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	55.02	0.63	68.2	13.18	Peak	359.00	150	Vertical	Pass
2	5814.375	57.76	1.18	68.2	10.44	Peak	360.00	150	Vertical	Pass

U-NII-2C 11ac80 Low Channel



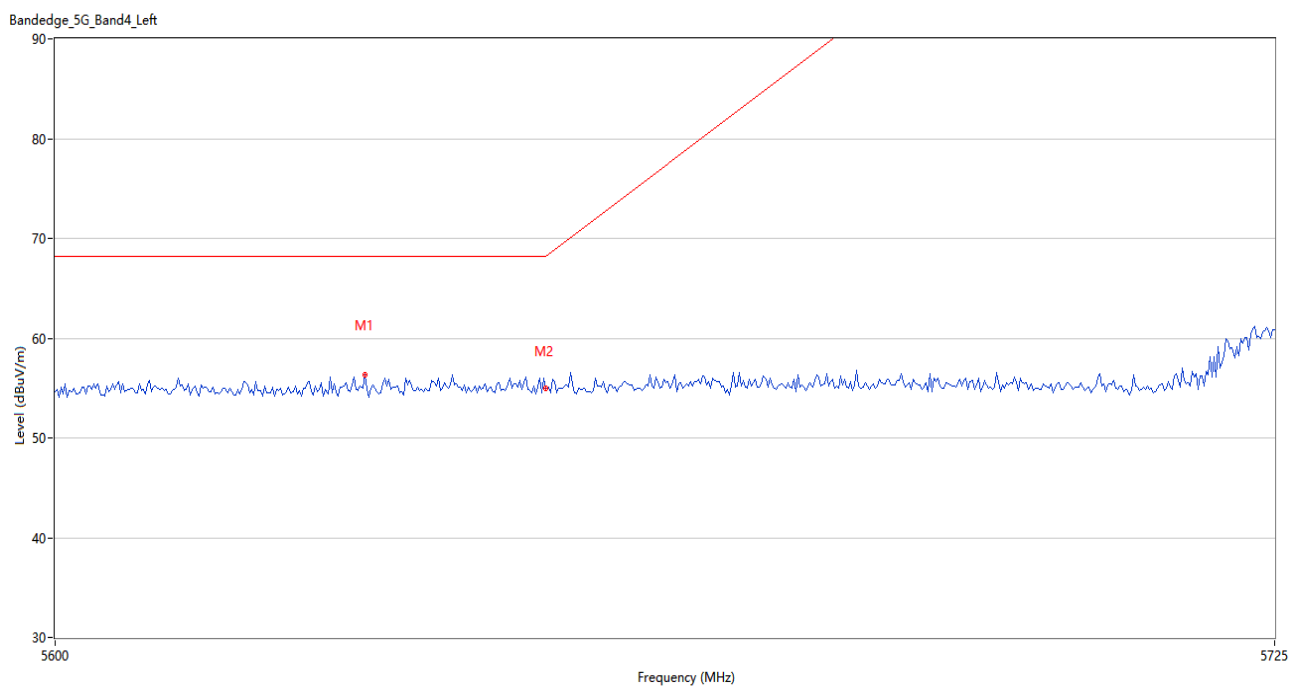
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5455.000	60.80	1.18	74.0	13.20	Peak	0.00	200	Vertical	Pass
1**	5455.000	46.14	1.18	54.0	7.86	AV	0.00	200	Vertical	Pass
2	5460.000	59.51	1.23	74.0	14.49	Peak	358.00	100	Vertical	Pass
2**	5460.000	46.64	1.23	54.0	7.36	AV	358.00	100	Vertical	Pass
3	5468.400	65.09	1.34	68.2	3.11	Peak	360.00	150	Vertical	Pass
3**	5468.400	47.93	1.34	--	--	AV	360.00	150	Vertical	N/A
4	5470.000	63.71	1.37	68.2	4.49	Peak	360.00	100	Vertical	Pass
4**	5470.000	47.91	1.37	--	--	AV	360.00	100	Vertical	N/A

U-NII-2C 11ac80 High Channel



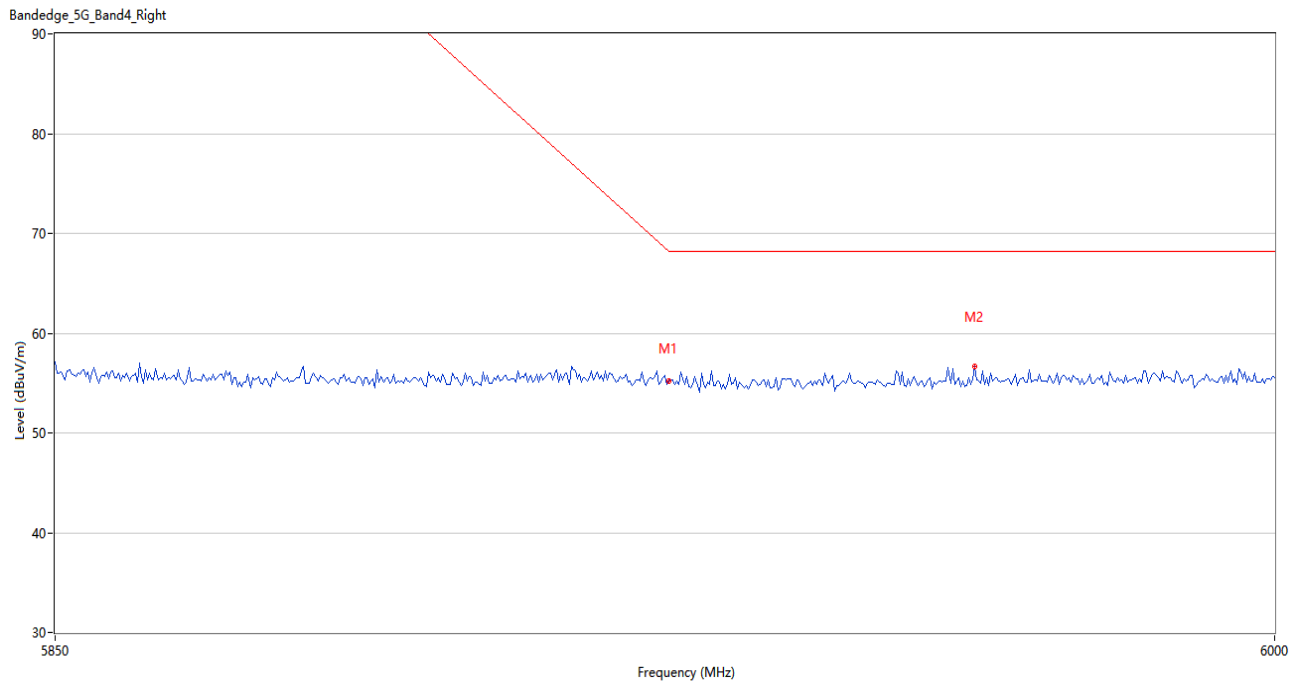
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	54.49	0.63	68.2	13.71	Peak	224.00	200	Vertical	Pass
2	5842.708	56.75	1.21	68.2	11.45	Peak	345.00	100	Vertical	Pass

U-NII-3 11a Low Channel



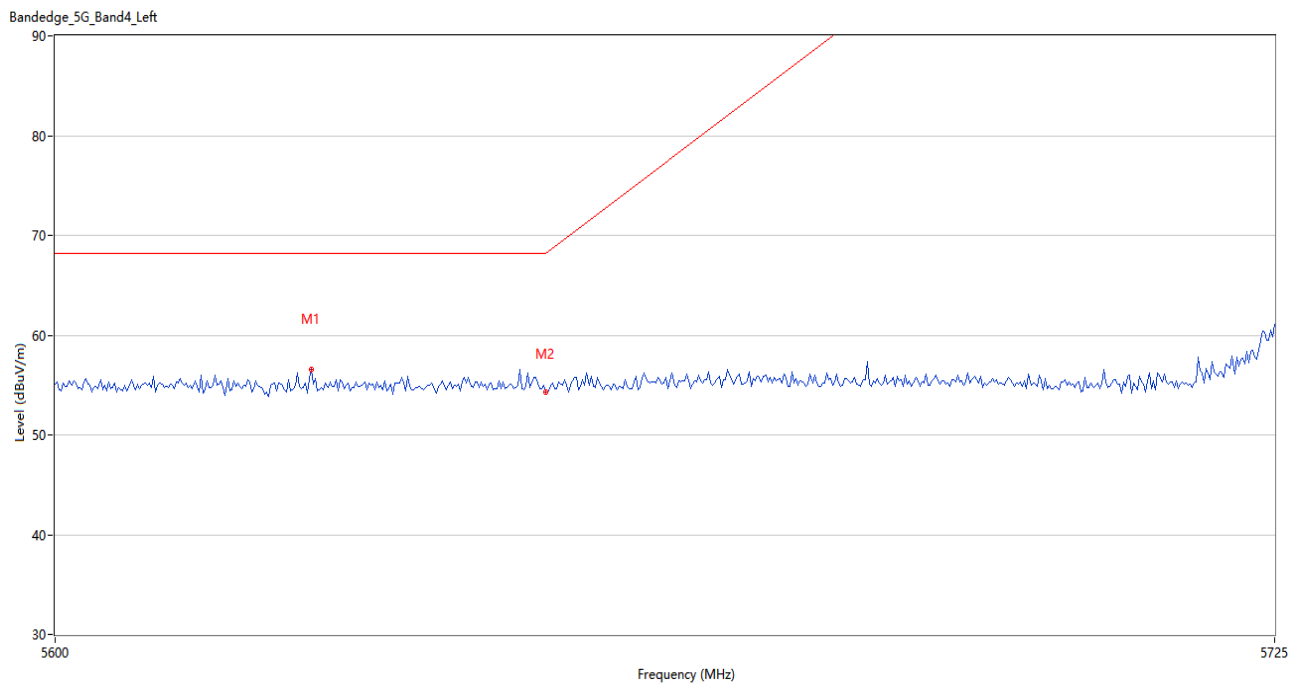
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5631.458	56.35	0.94	68.2	11.85	Peak	240.00	150	Vertical	Pass
2	5650.000	54.97	0.79	68.2	13.23	Peak	303.00	200	Vertical	Pass

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	5925.000	55.22	1.08	68.2	12.98	Peak	35.00	100	Vertical	Pass
2	5962.750	56.65	1.08	68.2	11.55	Peak	217.00	100	Vertical	Pass

U-NII-3 11n20 Low Channel



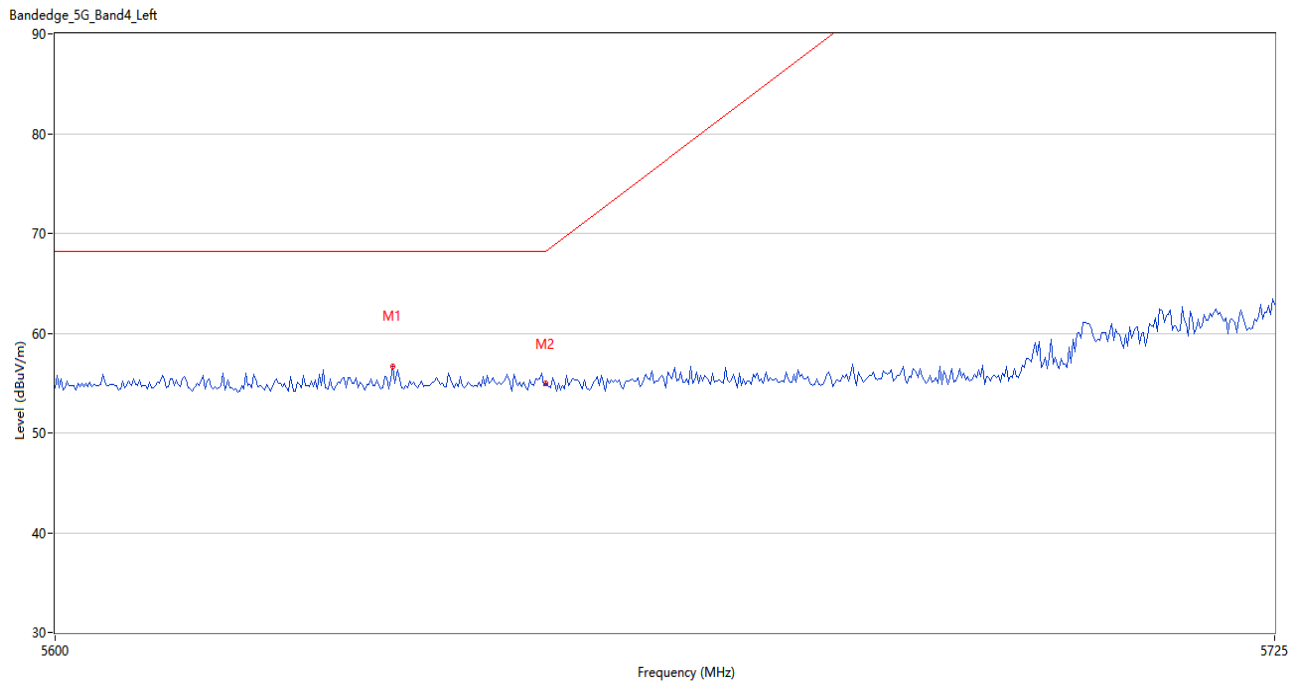
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5626.041	56.58	0.77	68.2	11.62	Peak	360.00	100	Vertical	Pass
2	5650.000	54.32	0.79	68.2	13.88	Peak	22.00	150	Vertical	Pass

U-NII-3 11n20 High Channel



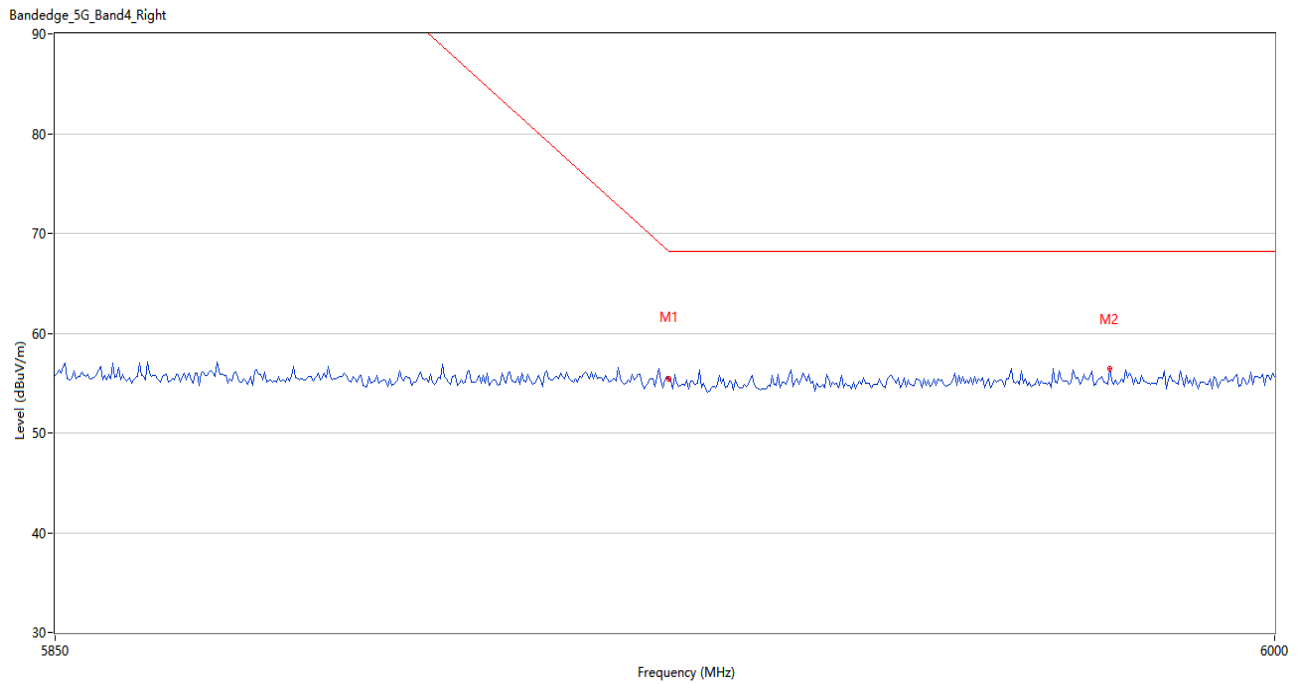
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	55.22	1.08	68.2	12.98	Peak	210.00	150	Vertical	Pass
2	5989.500	57.00	0.93	68.2	11.20	Peak	107.00	200	Vertical	Pass

U-NII-3 11n40 Low Channel



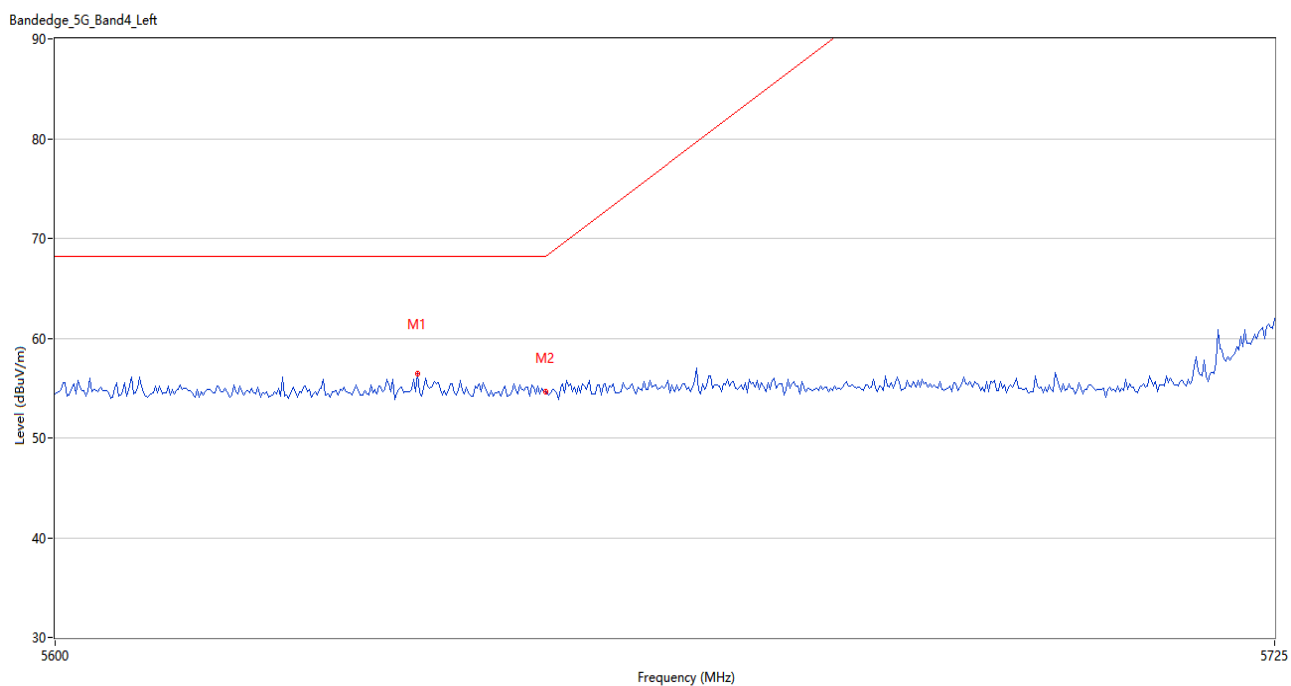
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5634.375	56.70	0.94	68.2	11.50	Peak	0.00	200	Vertical	Pass
2	5650.000	54.96	0.79	68.2	13.24	Peak	11.00	150	Vertical	Pass

U-NII-3 11n40 High Channel



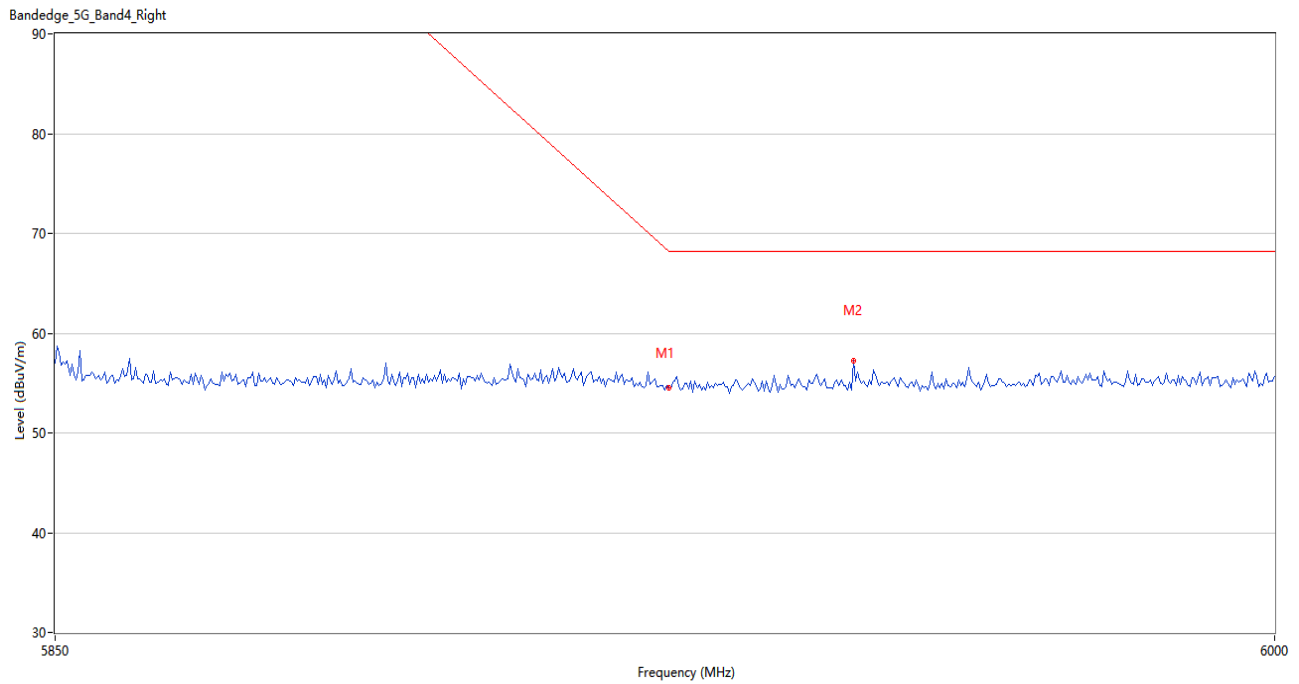
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	55.46	1.08	68.2	12.74	Peak	88.00	200	Vertical	Pass
2	5979.500	56.42	0.98	68.2	11.78	Peak	70.00	200	Vertical	Pass

U-NII-3 11ac20 Low Channel



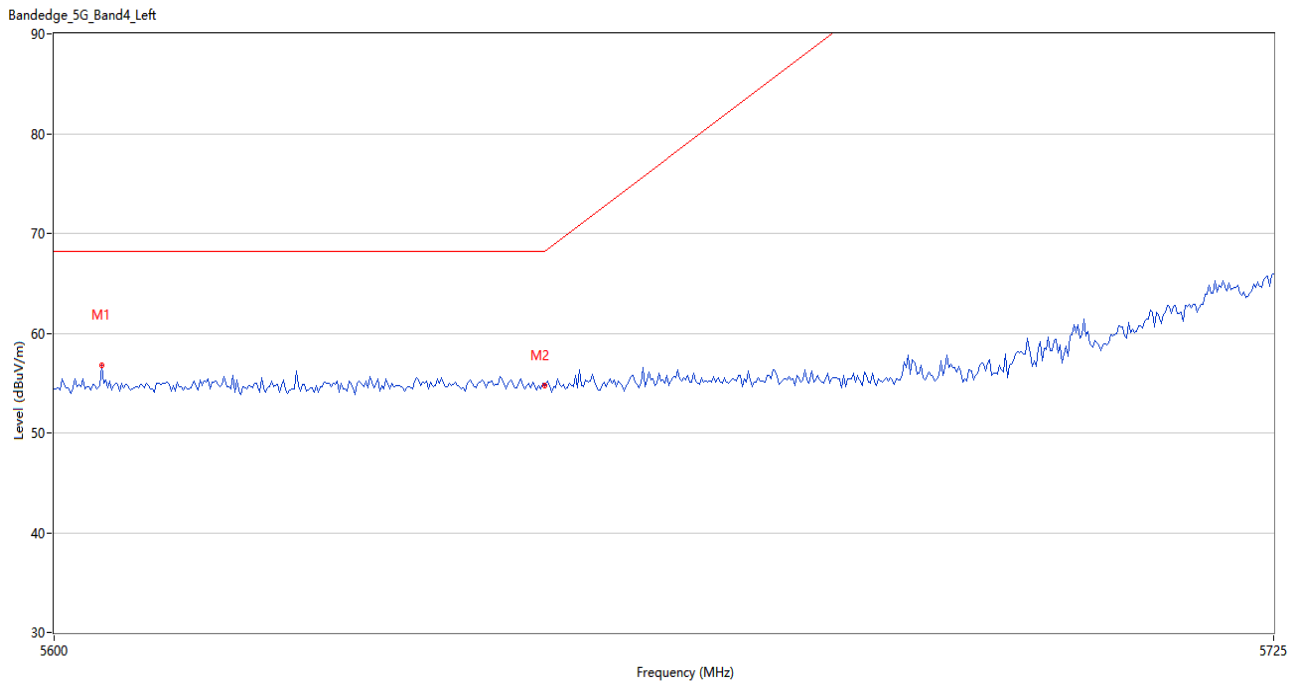
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5636.875	56.40	0.97	68.2	11.80	Peak	6.00	100	Vertical	Pass
2	5650.000	54.65	0.79	68.2	13.55	Peak	306.00	100	Vertical	Pass

U-NII-3 11ac20 High Channel



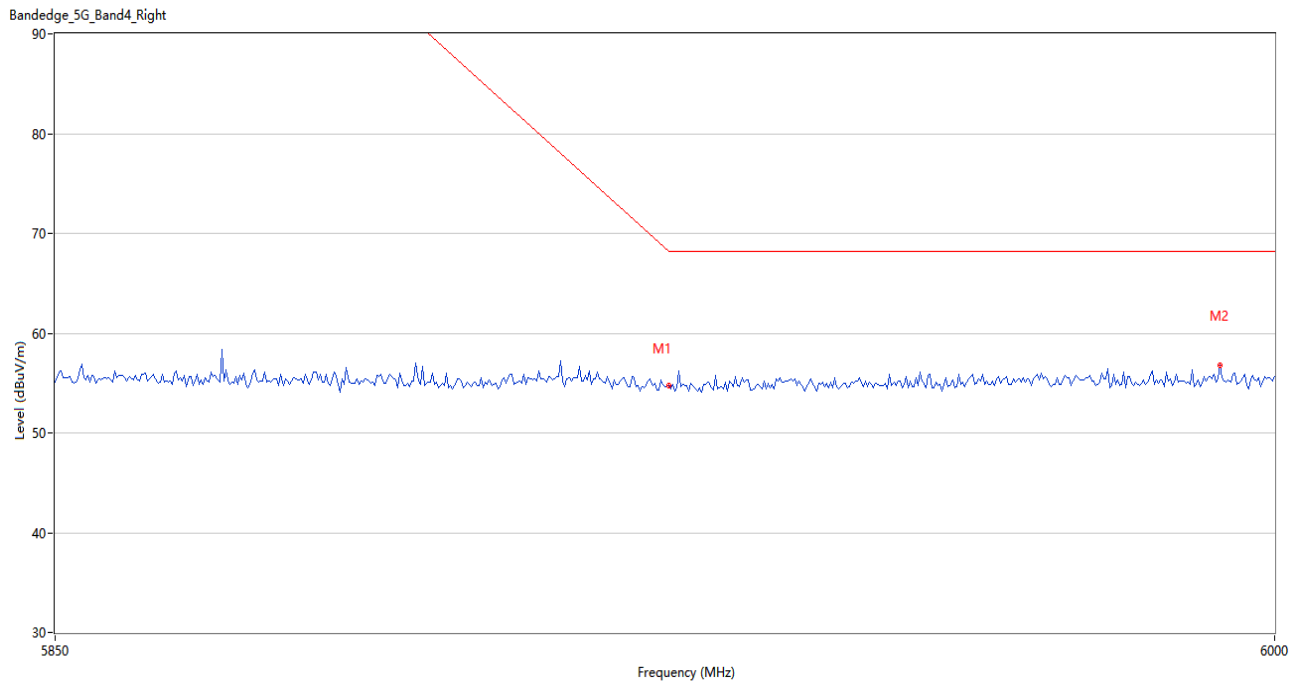
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	54.55	1.08	68.2	13.65	Peak	29.00	100	Vertical	Pass
2	5947.750	57.28	1.03	68.2	10.92	Peak	142.00	200	Vertical	Pass

U-NII-3 11ac40 Low Channel



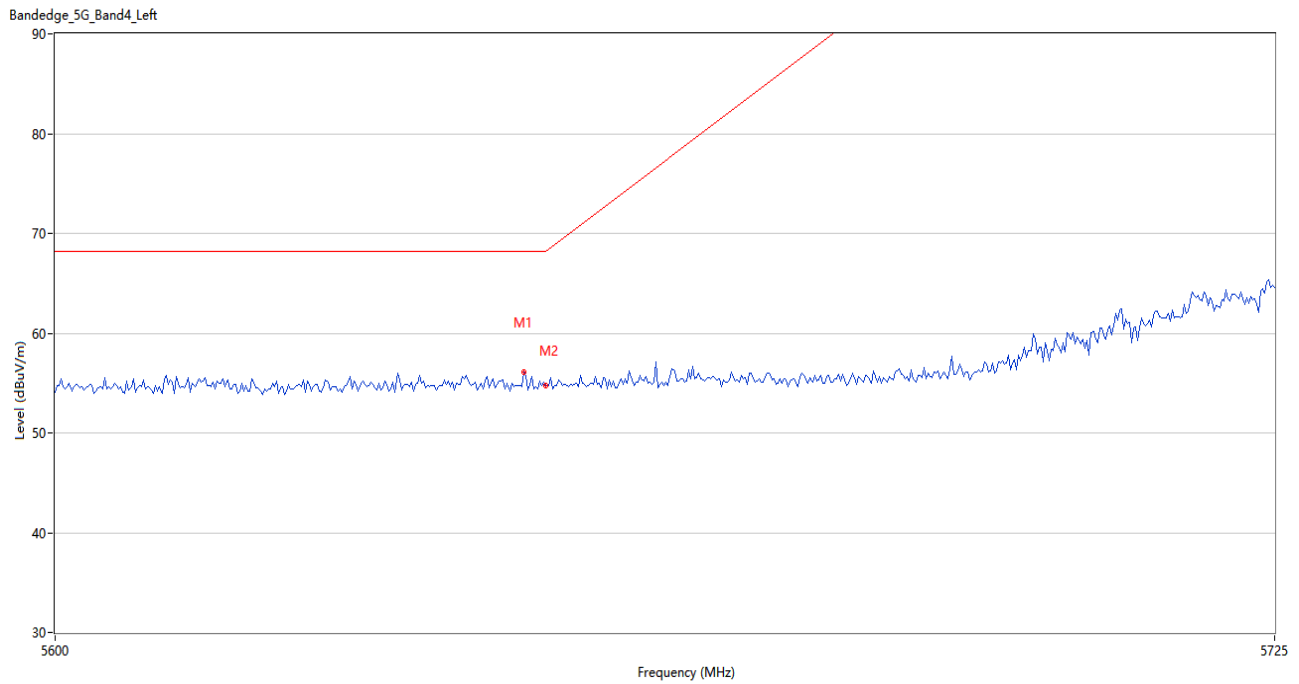
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5604.791	56.83	0.66	68.2	11.37	Peak	360.00	150	Vertical	Pass
2	5650.000	54.73	0.79	68.2	13.47	Peak	8.00	200	Vertical	Pass

U-NII-3 11ac40 High Channel



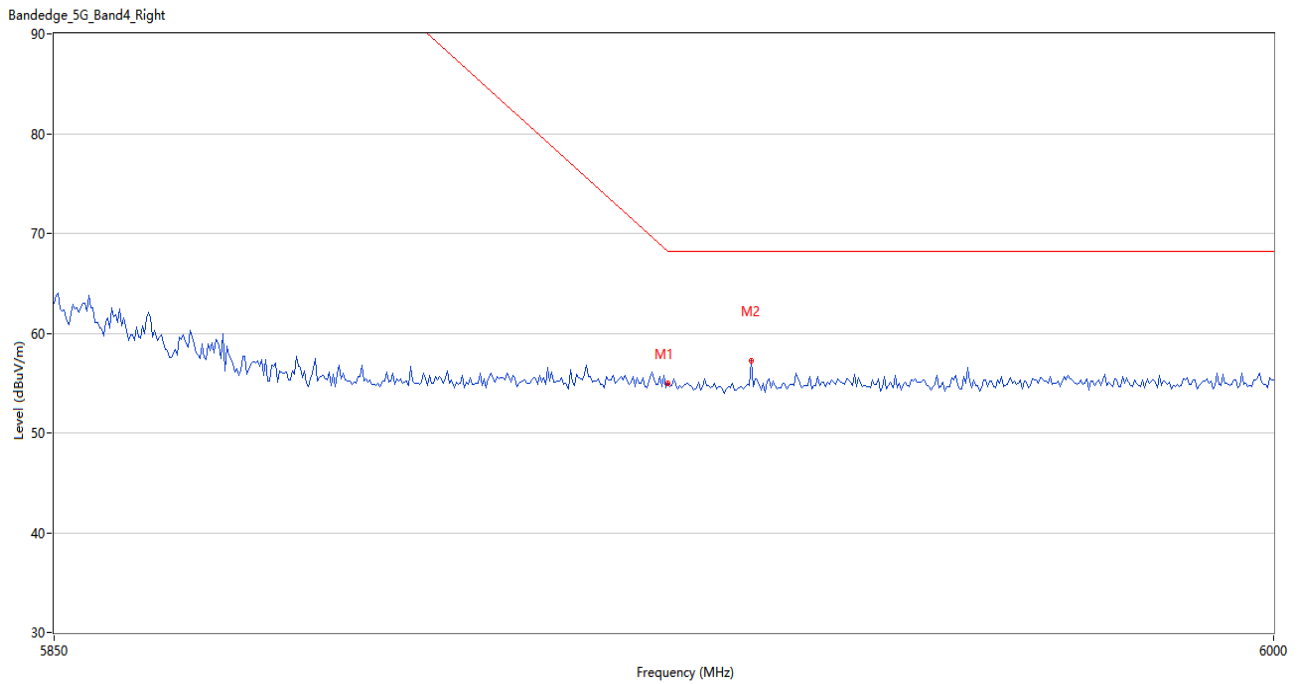
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	54.79	1.08	68.2	13.41	Peak	254.00	100	Vertical	Pass
2	5993.250	56.73	0.94	68.2	11.47	Peak	76.00	150	Vertical	Pass

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	5647.709	56.07	0.79	68.2	12.13	Peak	337.00	100	Vertical	Pass
2	5650.000	54.70	0.79	68.2	13.50	Peak	269.00	100	Vertical	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	5925.000	54.94	1.08	68.2	13.26	Peak	286.00	150	Vertical	Pass
2	5935.250	57.22	0.96	68.2	10.98	Peak	270.00	200	Vertical	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2411001-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2411001-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2411001-AI.PDF”.

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--END OF REPORT--