

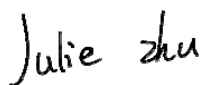
TEST REPORT

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 module
Model Name: WL1NM1001
Brand Name: Reolink
FCC ID: 2AYHE-2402A
ISED Number: 26839-2402A
Test Standard: 47 CFR Part 15 Subpart E
RSS-Gen Issue 5
RSS-247 Issue 3
(refer to section 3.1)
Sample Arrival Date: Apr. 30, 2024
Test Date: May 24, 2024 - Jun. 06, 2024
Date of Issue: Jun. 21, 2024

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.


Tested by: Julie Zhu



Checked by: Ye Hongji



Approved by: Liao Jianming
(Technical Director)



Revision History		
Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Jun. 21, 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	<input checked="" type="checkbox"/> Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	<input type="checkbox"/> 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196. The laboratory has been listed by Industry Canada to perform electromagnetic emission measurements. The recognition numbers of test site are 11524A.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	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 module
Model Name Under Test	WL1NM1001
Series Model Name	N/A
Description of Model name differentiation	N/A
Serial Number	952700Y006OCBLOR
Hardware Version	N/A
Software Version	N/A
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

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

Frequency Range	U-NII-1: 5150 MHz to 5250 MHz, U-NII-2A: 5250 MHz to 5350 MHz, U-NII-2C: 5470 MHz to 5725 MHz, U-NII-3: 5725 MHz to 5850 MHz
Product Type	<input checked="" type="checkbox"/> Mobile <input type="checkbox"/> Portable <input type="checkbox"/> Fix Location Indoor for IC standard
Modulation technology	OFDM
Modulation Type	256QAM, 64QAM, 16QAM, BPSK, QPSK
Transfer Rate (Mbps) (Single RF path)	802.11a: 54/ 48/ 36/ 24/ 18/ 12/ 9/ 6 Mbps 802.11n: up to 150 Mbps 802.11ac: up to VHT-MCS9
Channel Bandwidth	802.11a: 20 MHz 802.11n: 20 MHz 802.11ac: 20 MHz
Maximum Output Power	U-NII-1: 24.15 mW U-NII-2A: 24.38 mW U-NII-2C: 23.93 mW U-NII-3: 23.39 mW
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	FPC Antenna
Antenna Gain	U-NII-1: 5150 MHz to 5250 MHz: 2.1 dBi U-NII-2A: 5250 MHz to 5350 MHz: 2.6 dBi U-NII-2C: 5470 MHz to 5725 MHz: 2.8 dBi U-NII-3: 5725 MHz to 5850 MHz: 2.5 dBi
About the Product	The equipment is WiFi module, intended for used with information technology equipment.

2.5 Channel List

20 MHz	
Channel Number	Frequency (MHz)
36	5180
40	5200
44	5220
48	5240
52	5260
56	5280
60	5300
64	5320
100	5500
104	5520
108	5540
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

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

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
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
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
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
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
	11ac(20 MHz)	6.5		N/A	N/A	N/A	165/157/149
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
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
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
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
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
	11ac(20 MHz)	6.5		48/36	64/52	140/100	165/149

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

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

3.2 Test Verdict

No.	Description	FCC Part No.	RSS Part No.	Test Result	Verdict
1	Antenna Requirement	15.203	RSS-247, 6.2	--	Pass ^{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	50% to 65%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+21.8°C to +24.9°C
	LT (Low Temperature)	-10.0°C
	HT (High Temperature)	+55.0°C
Working Voltage of the EUT	NV (Normal Voltage)	3.3 V
	LV (Low Voltage)	2.8 V
	HV (High Voltage)	3.8 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	KEYSIGHT	N9020A	MY50330200	2024.05.08	2025.05.07
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-40	101544	2023.12.27	2024.12.26
Power Sensor	KEYSIGHT	U2063XA	MY58000251	2023.07.12	2024.07.11
Spectrum Analyzer	KEYSIGHT	N9020A	MY50531259	2023.09.05	2024.09.04
Signaling Unit	ROHDE&SCHWARZ	CMW500	171150	2023.06.19	2024.06.18
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	02460	2024.05.16	2027.05.15
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2021.07.02	2024.07.01
Anechoic Chamber	RAINFORD	9m*6m*6m	140	2022.02.19	2024.08.15
Amplifier	COM-MV	LSCX_LNA1-12G-01	7210214	2023.09.05	2024.09.04
Amplifier	COM-MV	XKu_LNA7-18G-01	7210209	2023.09.05	2024.09.04
Amplifier	COM-MV	KA LNA18 40G-01	18050001	2023.12.06	2024.12.05
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2023.09.05	2024.09.04
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9168	9168-01162	2023.08.04	2024.08.03
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	KEYSIGHT	N9010B	MY57110309	2023.09.05	2024.09.04
LISN	SCHWARZBECK	NSLK 8127	8127-687	2024.05.09	2025.05.08
Shielded Enclosure	YiHeng Electronic Co., Ltd	3.5m*3.1m*2.8m	112	2022.02.19	2025.02.18

4.3 Test Software List

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

4.4 Measurement Uncertainty

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

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

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

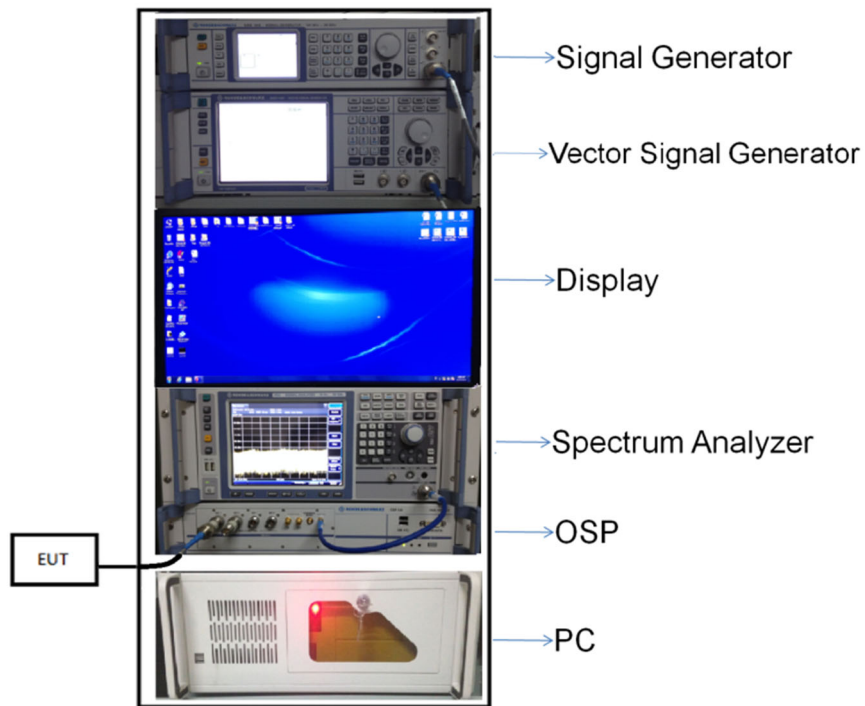
4.5 Description of Test Setup

4.5.1 For Antenna Port Test

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

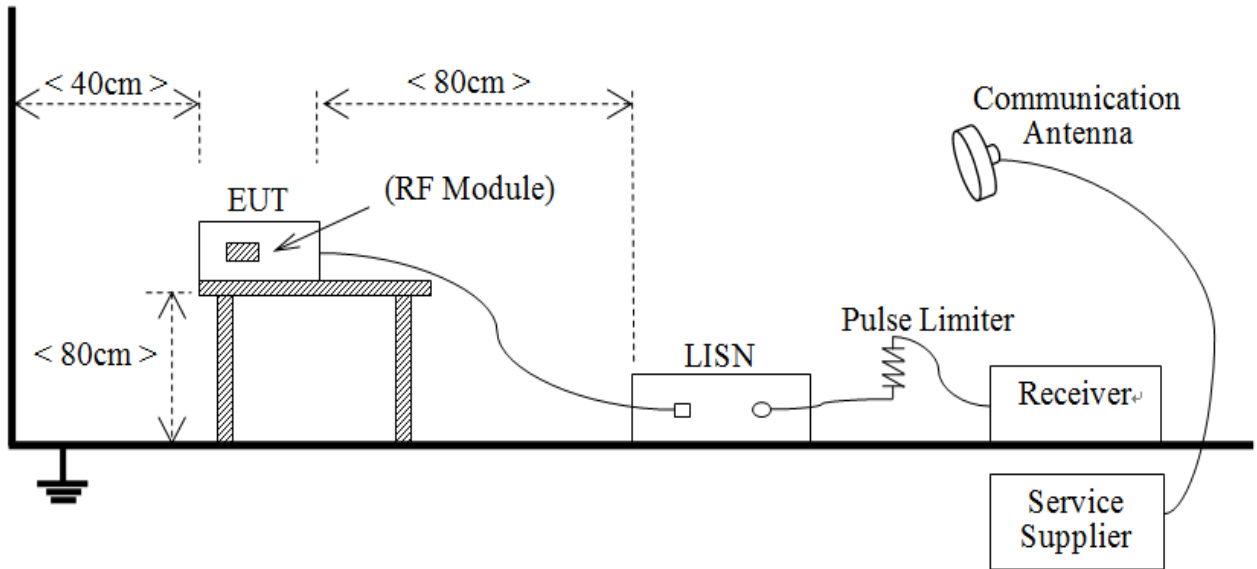
For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

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



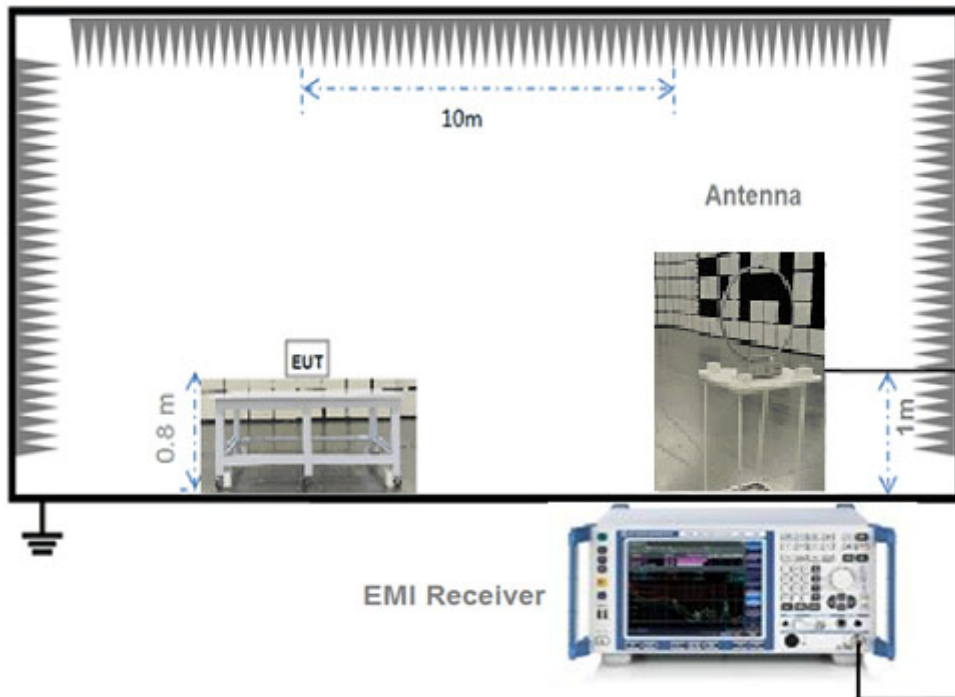
(Diagram 1)

4.5.2 For AC Power Supply Port Test



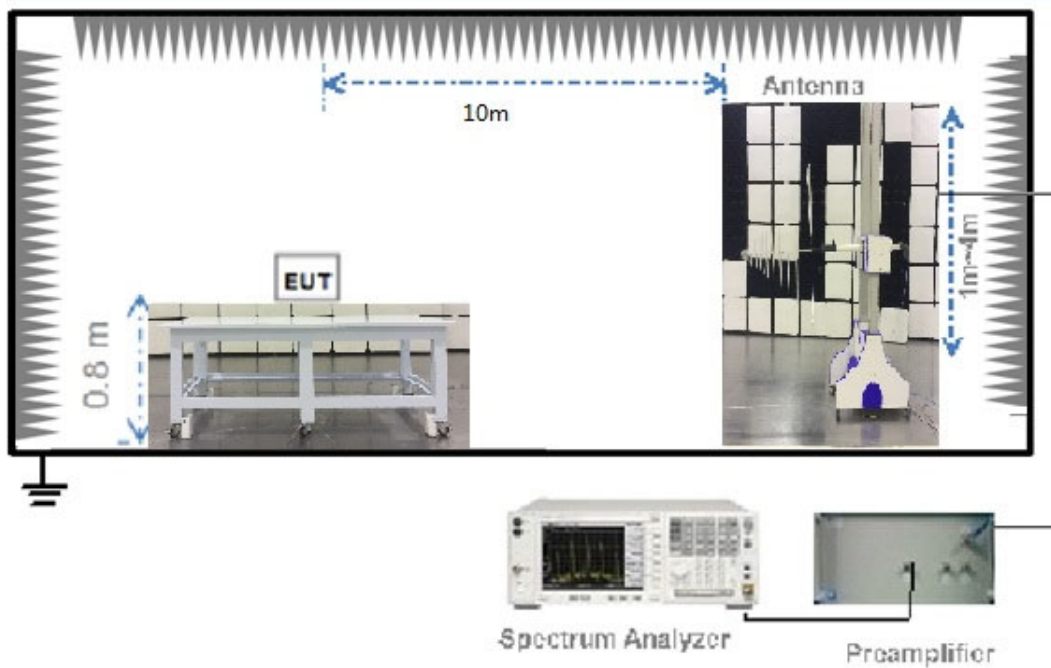
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



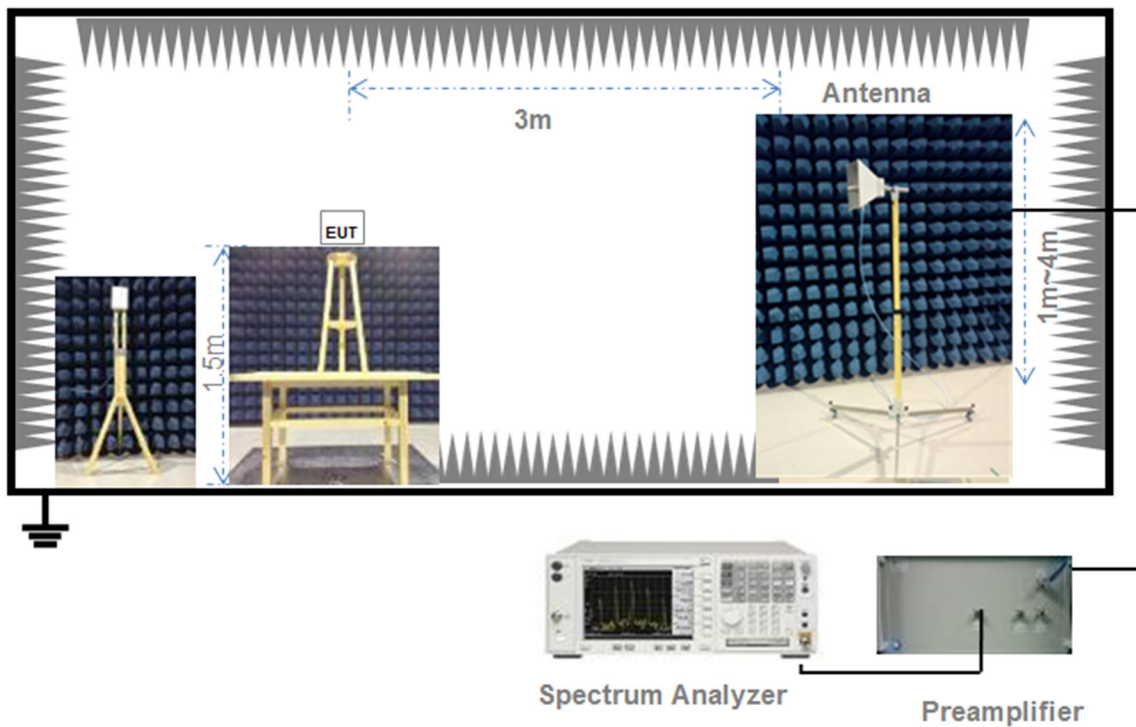
(Diagram 3)

4.5.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.5.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

5 TEST ITEMS

5.1 RF Output Power

5.1.1 Test Limit

FCC §15.407(a)

The maximum conducted output power should not exceed:

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

RSS-247, 6.2

The maximum conducted output power shall not exceed:

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

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

Frequency Band (MHz)	Limit
5150-5250	200 mW or 10 dBm + 10log B, whichever is less.
5250-5350	1W or 17 dBm + 10log B, whichever is less.
5470-5725	1W or 17 dBm + 10log B, whichever is less.
5725-5850	N/A
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*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

Note¹: The Limit for radiated test was performed according to FCC Part 15C

Note²: The tighter limit applies at the band edge.

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

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

5.5.2 Test Setup

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

5.5.3 Test Procedure

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

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

General Procedure for conducted measurements in restricted bands

- a) Measure the conducted output power (in dBm) using the detector specified (see guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).
- b) Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies ≤ 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

Note¹: 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.

Note²: 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	1.39	1.72	81.11%	0.91
11n (HT20)/11ac (VHT20)	1.31	1.64	80.00%	0.97

Test Data

Conducted Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	13.77	23.82	250	Pass
11a	CH44	13.79	23.93	250	Pass
11a	CH48	13.41	21.93	250	Pass
11n (HT20)	CH36	13.66	23.23	250	Pass
11n (HT20)	CH44	13.68	23.33	250	Pass
11n (HT20)	CH48	13.80	23.99	250	Pass
11ac (VHT20)	CH36	13.64	23.12	250	Pass
11ac (VHT20)	CH44	13.68	23.33	250	Pass
11ac (VHT20)	CH48	13.83	24.15	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	13.36	21.68	250	208	Pass
11a	CH60	13.74	23.66	250	208	Pass
11a	CH64	13.43	22.03	250	208	Pass
11n (HT20)	CH52	13.72	23.55	250	221	Pass
11n (HT20)	CH60	13.64	23.12	250	221	Pass
11n (HT20)	CH64	13.87	24.38	250	221	Pass
11ac (VHT20)	CH52	13.82	24.10	250	221	Pass
11ac (VHT20)	CH60	13.65	23.17	250	221	Pass
11ac (VHT20)	CH64	13.84	24.21	250	221	Pass

U-NII-2C (5470 - 5725 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH100	13.79	23.93	250	208	Pass
11a	CH116	13.78	23.88	250	208	Pass
11a	CH140	13.67	23.28	250	208	Pass
11n (HT20)	CH100	13.68	23.33	250	221	Pass
11n (HT20)	CH116	13.67	23.28	250	221	Pass
11n (HT20)	CH140	13.55	22.65	250	221	Pass
11ac (VHT20)	CH100	13.57	22.75	250	221	Pass
11ac (VHT20)	CH116	13.64	23.12	250	221	Pass
11ac (VHT20)	CH140	13.53	22.54	250	221	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC&IC Limit (mW)	Verdict
11a	CH149	13.53	22.54	1000	Pass
11a	CH157	13.69	23.39	1000	Pass
11a	CH165	13.56	22.70	1000	Pass
11n (HT20)	CH149	13.42	21.98	1000	Pass
11n (HT20)	CH157	13.56	22.70	1000	Pass
11n (HT20)	CH165	13.41	21.93	1000	Pass
11ac (VHT20)	CH149	13.43	22.03	1000	Pass
11ac (VHT20)	CH157	13.55	22.65	1000	Pass
11ac (VHT20)	CH165	12.97	19.82	1000	Pass

E.I.R.P

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH36	15.87	38.64	165	Pass
11a	CH44	15.89	38.82	166	Pass
11a	CH48	15.51	35.56	165	Pass
11n (HT20)	CH36	15.76	37.67	176	Pass
11n (HT20)	CH44	15.78	37.84	176	Pass
11n (HT20)	CH48	15.90	38.90	175	Pass
11ac (VHT20)	CH36	15.74	37.50	176	Pass
11ac (VHT20)	CH44	15.78	37.84	176	Pass
11ac (HVT20)	CH48	15.93	39.17	176	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	15.96	39.45	829	Pass
11a	CH60	16.34	43.05	830	Pass
11a	CH64	16.03	40.09	830	Pass
11n (HT20)	CH52	16.32	42.85	880	Pass
11n (HT20)	CH60	16.24	42.07	880	Pass
11n (HT20)	CH64	16.47	44.36	880	Pass
11ac (VHT20)	CH52	16.42	43.85	880	Pass
11ac (VHT20)	CH60	16.25	42.17	880	Pass
11ac (HVT20)	CH64	16.44	44.06	880	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	16.59	45.60	830	Pass
11a	CH116	16.58	45.50	829	Pass
11a	CH140	16.47	44.36	830	Pass
11n (HT20)	CH100	16.48	44.46	880	Pass
11n (HT20)	CH116	16.47	44.36	880	Pass
11n (HT20)	CH140	16.35	43.15	880	Pass
11ac (VHT20)	CH100	16.37	43.35	880	Pass
11ac (VHT20)	CH116	16.44	44.06	880	Pass
11ac (VHT20)	CH140	16.33	42.95	880	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH149	16.03	40.09	Pass
11a	CH157	16.19	41.59	Pass
11a	CH165	16.06	40.36	Pass
11n (HT20)	CH149	15.92	39.08	Pass
11n (HT20)	CH157	16.06	40.36	Pass
11n (HT20)	CH165	15.91	38.99	Pass
11ac (VHT20)	CH149	15.93	39.17	Pass
11ac (VHT20)	CH157	16.05	40.27	Pass
11ac (VHT20)	CH165	15.47	35.24	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ2450314-603 Data Part 1.pdf".

Test Data

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	19.91	16.55
11a	CH44	19.81	16.55
11a	CH48	19.85	16.55
11n (HT20)	CH36	20.12	17.56
11n (HT20)	CH44	20.14	17.58
11n (HT20)	CH48	20.12	17.55
11ac (VHT20)	CH36	20.23	17.57
11ac (VHT20)	CH44	20.23	17.56
11ac (VHT20)	CH48	20.24	17.56

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	19.88	16.55
11a	CH60	19.88	16.56
11a	CH64	19.97	16.56
11n (HT20)	CH52	20.15	17.56
11n (HT20)	CH60	20.12	17.56
11n (HT20)	CH64	20.15	17.56
11ac (VHT20)	CH52	20.14	17.56
11ac (VHT20)	CH60	20.17	17.56
11ac (VHT20)	CH64	20.18	17.56

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	19.77	16.56
11a	CH116	19.87	16.54
11a	CH140	19.90	16.56
11n (HT20)	CH100	20.17	17.56
11n (HT20)	CH116	20.17	17.55
11n (HT20)	CH140	20.17	17.56
11ac (VHT20)	CH100	20.23	17.56
11ac (VHT20)	CH116	20.18	17.56
11ac (VHT20)	CH140	20.14	17.57

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	19.87	16.56
11a	CH157	19.89	16.56
11a	CH165	19.88	16.56
11n (HT20)	CH149	20.15	17.57
11n (HT20)	CH157	20.13	17.57
11n (HT20)	CH165	20.14	17.56
11ac (VHT20)	CH149	20.19	17.56
11ac (VHT20)	CH157	20.17	17.57
11ac (VHT20)	CH165	20.31	17.58

A.3 6 dB Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ2450314-603 Data Part 2.pdf".

Test Data

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	15.40	500.00	Pass
11a	CH157	15.70	500.00	Pass
11a	CH165	15.30	500.00	Pass
11n (HT20)	CH149	15.30	500.00	Pass
11n (HT20)	CH157	15.30	500.00	Pass
11n (HT20)	CH165	15.40	500.00	Pass
11ac (VHT20)	CH149	15.30	500.00	Pass
11ac (VHT20)	CH157	15.30	500.00	Pass
11ac (VHT20)	CH165	15.30	500.00	Pass

A.4 Power Spectral Density

Note: Test plots please refer to the document "Annex No.: BL-SZ2450314-603 Data Part 3.pdf".

Test Data

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH36	2.18	11.00	Pass
11a	CH44	2.15	11.00	Pass
11a	CH48	1.87	11.00	Pass
11n (HT20)	CH36	1.82	11.00	Pass
11n (HT20)	CH44	1.97	11.00	Pass
11n (HT20)	CH48	2.26	11.00	Pass
11ac (VHT20)	CH36	1.86	11.00	Pass
11ac (VHT20)	CH44	1.94	11.00	Pass
11ac (VHT20)	CH48	2.14	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	FCC/IC Limit (dBm/MHz)	Verdict
11a	CH52	1.81	11.00	Pass
11a	CH60	2.29	11.00	Pass
11a	CH64	1.93	11.00	Pass
11n (HT20)	CH52	1.99	11.00	Pass
11n (HT20)	CH60	2.02	11.00	Pass
11n (HT20)	CH64	2.26	11.00	Pass
11ac (VHT20)	CH52	1.98	11.00	Pass
11ac (VHT20)	CH60	1.87	11.00	Pass
11ac (VHT20)	CH64	2.06	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	FCC/IC Limit (dBm/MHz)	Verdict
11a	CH100	2.33	11.00	Pass
11a	CH116	2.49	11.00	Pass
11a	CH140	2.14	11.00	Pass
11n (HT20)	CH100	2.20	11.00	Pass
11n (HT20)	CH116	2.08	11.00	Pass
11n (HT20)	CH140	1.95	11.00	Pass
11ac (VHT20)	CH100	1.91	11.00	Pass
11ac (VHT20)	CH116	1.97	11.00	Pass
11ac (VHT20)	CH140	1.69	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	FCC/IC Limit (dBm/500kHz)	Verdict
11a	CH149	-0.69	30.00	Pass
11a	CH157	-0.75	30.00	Pass
11a	CH165	-0.50	30.00	Pass
11n (HT20)	CH149	-0.86	30.00	Pass
11n (HT20)	CH157	-1.10	30.00	Pass
11n (HT20)	CH165	-1.11	30.00	Pass
11ac (VHT20)	CH149	-0.83	30.00	Pass
11ac (VHT20)	CH157	-1.13	30.00	Pass
11ac (VHT20)	CH165	-1.07	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	4.28	10.00	Pass
11a	CH44	4.25	10.00	Pass
11a	CH48	3.97	10.00	Pass
11n (HT20)	CH36	3.92	10.00	Pass
11n (HT20)	CH44	4.07	10.00	Pass
11n (HT20)	CH48	4.36	10.00	Pass
11ac (VHT20)	CH36	3.96	10.00	Pass
11ac (VHT20)	CH44	4.04	10.00	Pass
11ac (VHT20)	CH48	4.24	10.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	Verdict	
11a	CH52	4.41	Pass	
11a	CH60	4.89	Pass	
11a	CH64	4.53	Pass	
11n (HT20)	CH52	4.59	Pass	
11n (HT20)	CH60	4.62	Pass	
11n (HT20)	CH64	4.86	Pass	
11ac (VHT20)	CH52	4.58	Pass	
11ac (VHT20)	CH60	4.47	Pass	
11ac (VHT20)	CH64	4.66	Pass	

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	Verdict	
11a	CH100	5.13	Pass	
11a	CH116	5.29	Pass	
11a	CH140	4.94	Pass	
11n (HT20)	CH100	5.00	Pass	
11n (HT20)	CH116	4.88	Pass	
11n (HT20)	CH140	4.75	Pass	
11ac (VHT20)	CH100	4.71	Pass	
11ac (VHT20)	CH116	4.77	Pass	
11ac (VHT20)	CH140	4.49	Pass	

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	PSD (dBm/500kHz)	Verdict
11a	CH149	1.81	Pass
11a	CH157	1.75	Pass
11a	CH165	2.00	Pass
11n (HT20)	CH149	1.64	Pass
11n (HT20)	CH157	1.40	Pass
11n (HT20)	CH165	1.39	Pass
11ac (VHT20)	CH149	1.67	Pass
11ac (VHT20)	CH157	1.37	Pass
11ac (VHT20)	CH165	1.43	Pass

A.5 Conducted Emissions

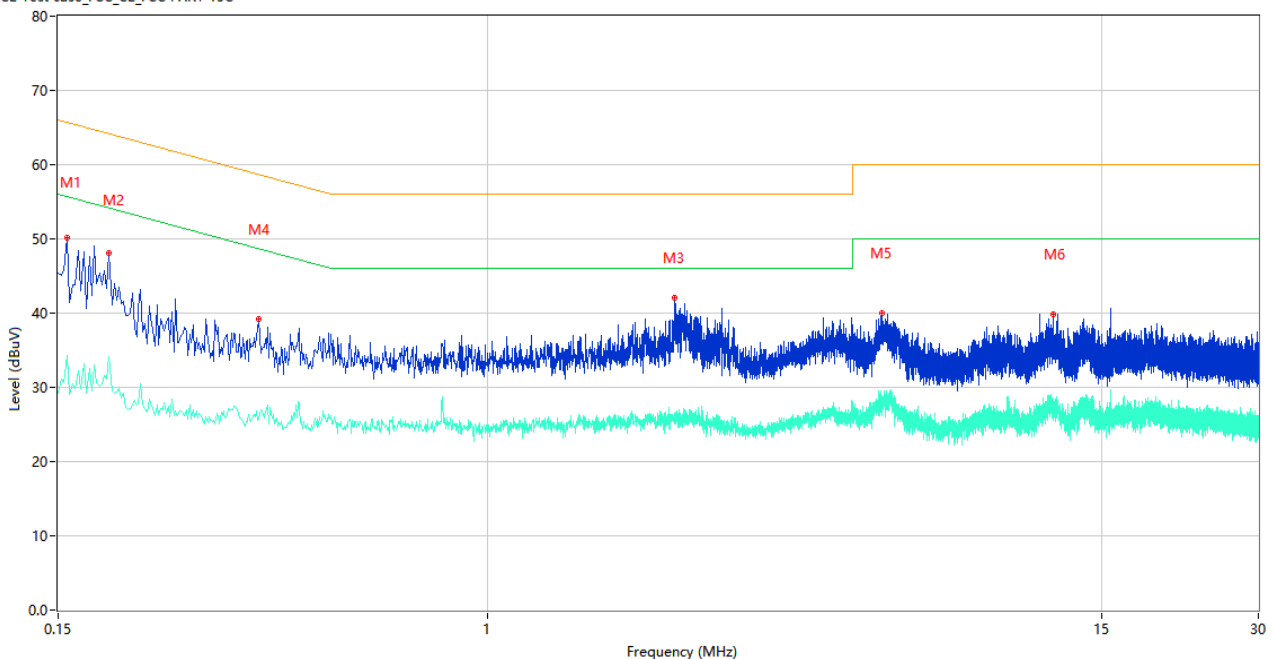
Note¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

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

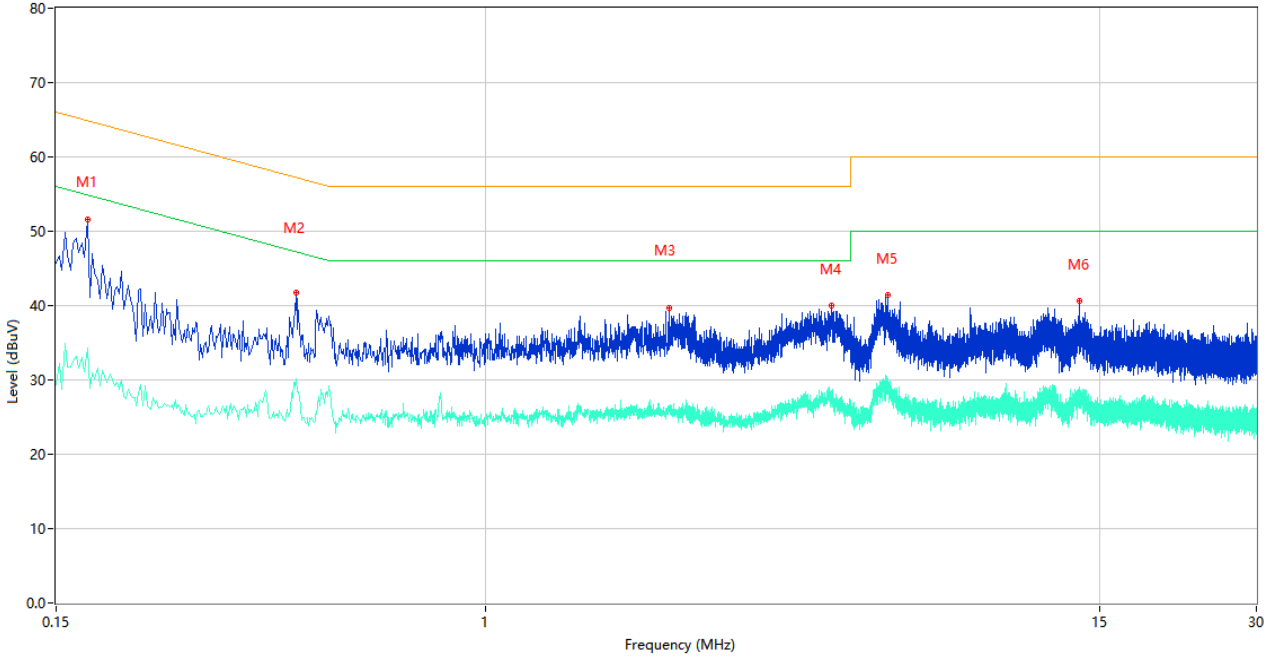
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.156	50.20	9.78	65.67	15.47	Peak	L	Pass
1**	0.156	34.26	9.78	55.67	21.41	AV	L	Pass
2	0.188	48.10	9.78	64.12	16.02	Peak	L	Pass
2**	0.188	34.12	9.78	54.12	20.00	AV	L	Pass
3	2.282	42.00	10.26	56.00	14.00	Peak	L	Pass
3**	2.282	26.43	10.26	46.00	19.57	AV	L	Pass
4	0.364	39.19	10.70	58.64	19.45	Peak	L	Pass
4**	0.364	25.69	10.70	48.64	22.95	AV	L	Pass
5	5.704	40.00	10.23	60.00	20.00	Peak	L	Pass
5**	5.704	28.86	10.23	50.00	21.14	AV	L	Pass
6	12.118	39.90	10.43	60.00	20.10	Peak	L	Pass
6**	12.118	28.42	10.43	50.00	21.58	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	0.172	51.64	9.78	64.86	13.22	Peak	N	Pass
1**	0.172	34.30	9.78	54.86	20.56	AV	N	Pass
2	0.432	41.67	10.22	57.21	15.54	Peak	N	Pass
2**	0.432	30.12	10.22	47.21	17.09	AV	N	Pass
3	2.250	39.62	10.10	56.00	16.38	Peak	N	Pass
3**	2.250	26.37	10.10	46.00	19.63	AV	N	Pass
4	4.602	39.95	10.52	56.00	16.05	Peak	N	Pass
4**	4.602	27.82	10.52	46.00	18.18	AV	N	Pass
5	5.898	41.37	10.45	60.00	18.63	Peak	N	Pass
5**	5.898	28.69	10.45	50.00	21.31	AV	N	Pass
6	13.730	40.58	10.40	60.00	19.42	Peak	N	Pass
6**	13.730	27.67	10.40	50.00	22.33	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.

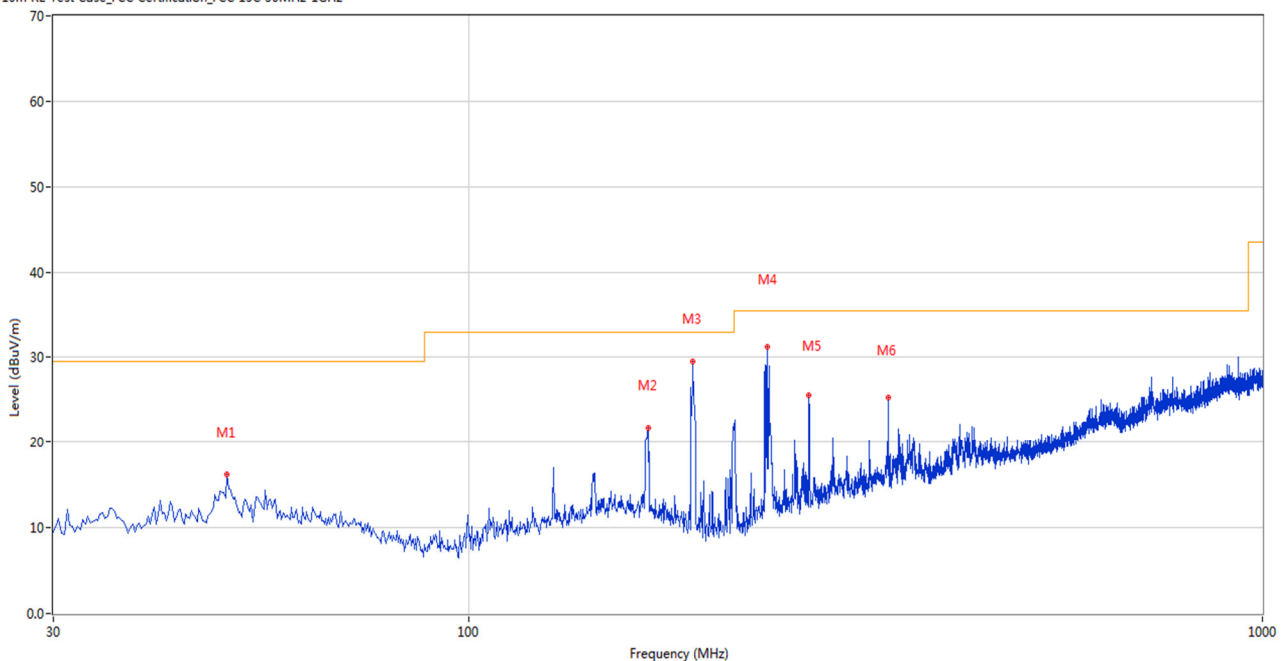
Note³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

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

Test Data and Plots

30 MHz to 1 GHz, ANT H

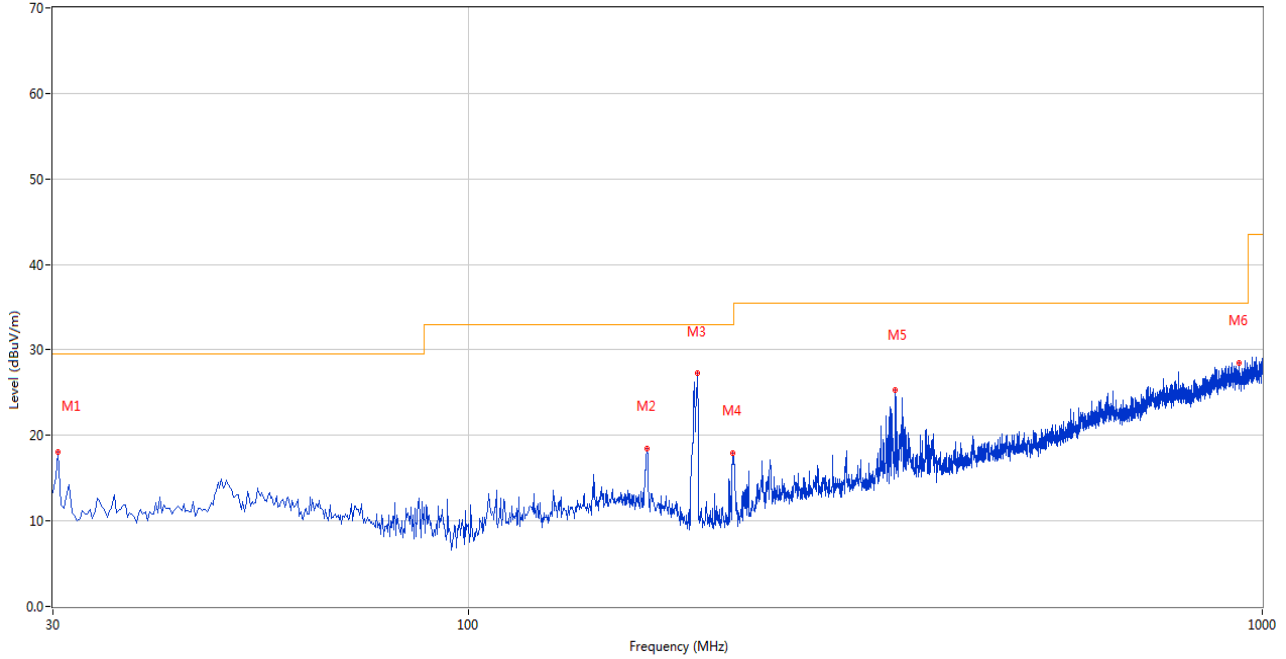
10m RE Test Case_FCC Certification_FCC 15C 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	49.638	16.16	-26.01	29.5	13.34	Peak	15.00	200	Horizontal	Pass
2	168.433	21.73	-26.04	33.0	11.27	Peak	184.00	200	Horizontal	Pass
3	191.707	29.56	-28.59	33.0	3.44	Peak	243.00	100	Horizontal	Pass
4	238.013	31.24	-27.32	35.5	4.26	Peak	24.00	100	Horizontal	Pass
5	268.560	25.56	-25.93	35.5	9.94	Peak	184.00	200	Horizontal	Pass
6	338.140	25.35	-23.65	35.5	10.15	Peak	200.00	200	Horizontal	Pass

30 MHz to 1 GHz, ANT V

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



No.	Frequency (MHz)	Results (dBUV/m)	Factor (dB)	Limit (dBUV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	30.485	18.01	-27.76	29.5	11.49	Peak	128.00	100	Vertical	Pass
2	168.190	18.50	-26.02	33.0	14.50	Peak	139.00	100	Vertical	Pass
3	194.374	27.22	-28.54	33.0	5.78	Peak	199.00	100	Vertical	Pass
4	215.224	17.93	-28.94	33.0	15.07	Peak	134.00	100	Vertical	Pass
5	345.171	25.32	-23.76	35.5	10.18	Peak	0.00	200	Vertical	Pass
6	935.754	28.46	-10.89	35.5	7.04	Peak	0.00	200	Vertical	Pass

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

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1582.000	38.34	-16.74	74.0	35.66	Peak	54.00	100	Horizontal	Pass
1**	1582.000	29.20	-16.74	54.0	24.80	AV	54.00	100	Horizontal	Pass
2	4256.250	47.61	-4.17	74.0	26.39	Peak	222.00	300	Horizontal	Pass
2**	4256.250	38.10	-4.17	54.0	15.90	AV	222.00	300	Horizontal	Pass
3	5181.250	96.80	-2.31	--	--	Peak	322.00	150	Horizontal	N/A
3**	5181.250	89.61	-2.31	--	--	AV	322.00	150	Horizontal	N/A
4	7709.250	54.27	1.90	74.0	19.73	Peak	16.00	100	Horizontal	Pass
4**	7709.250	44.57	1.90	54.0	9.43	AV	16.00	100	Horizontal	Pass
5	12507.037	52.72	1.40	74.0	21.28	Peak	161.00	100	Horizontal	Pass
5**	12507.037	43.18	1.40	54.0	10.82	AV	161.00	100	Horizontal	Pass
6	15660.599	55.26	2.03	74.0	18.74	Peak	63.00	400	Horizontal	Pass
6**	15660.599	45.49	2.03	54.0	8.51	AV	63.00	400	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	1603.700	39.33	-16.83	74.0	34.67	Peak	162.00	400	Vertical	Pass
1**	1603.700	29.94	-16.83	54.0	24.06	AV	162.00	400	Vertical	Pass
2	4290.750	46.61	-4.57	74.0	27.39	Peak	117.00	300	Vertical	Pass
2**	4290.750	37.37	-4.57	54.0	16.63	AV	117.00	300	Vertical	Pass
3	5178.500	90.87	-2.63	--	--	Peak	157.00	200	Vertical	N/A
3**	5178.500	83.04	-2.63	--	--	AV	157.00	200	Vertical	N/A
4	7708.250	53.68	1.90	74.0	20.32	Peak	302.00	200	Vertical	Pass
4**	7708.250	45.10	1.90	54.0	8.90	AV	302.00	200	Vertical	Pass
5	11805.700	52.67	-0.21	74.0	21.33	Peak	360.00	150	Vertical	Pass
5**	11805.700	43.80	-0.21	54.0	10.20	AV	360.00	150	Vertical	Pass
6	16101.338	54.81	1.76	74.0	19.19	Peak	317.00	300	Vertical	Pass
6**	16101.338	45.64	1.76	54.0	8.36	AV	317.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1621.400	38.64	-16.85	74.0	35.36	Peak	156.00	400	Horizontal	Pass
1**	1621.400	28.99	-16.85	54.0	25.01	AV	156.00	400	Horizontal	Pass
2	4373.500	47.38	-5.10	74.0	26.62	Peak	218.00	400	Horizontal	Pass
2**	4373.500	37.69	-5.10	54.0	16.31	AV	218.00	400	Horizontal	Pass
3	5222.000	97.35	-2.99	--	--	Peak	319.00	100	Horizontal	N/A
3**	5222.000	89.84	-2.99	--	--	AV	319.00	100	Horizontal	N/A
4	7370.000	53.37	1.11	74.0	20.63	Peak	118.00	300	Horizontal	Pass
4**	7370.000	43.27	1.11	54.0	10.73	AV	118.00	300	Horizontal	Pass
5	12252.912	53.09	1.07	74.0	20.91	Peak	30.00	150	Horizontal	Pass
5**	12252.912	43.06	1.07	54.0	10.94	AV	30.00	150	Horizontal	Pass
6	15920.474	54.39	1.67	74.0	19.61	Peak	4.00	100	Horizontal	Pass
6**	15920.474	44.87	1.67	54.0	9.13	AV	4.00	100	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	1619.100	38.28	-16.86	74.0	35.72	Peak	82.00	200	Vertical	Pass
1**	1619.100	29.06	-16.86	54.0	24.94	AV	82.00	200	Vertical	Pass
2	4275.750	47.34	-5.03	74.0	26.66	Peak	360.00	200	Vertical	Pass
2**	4275.750	38.21	-5.03	54.0	15.79	AV	360.00	200	Vertical	Pass
3	5218.500	91.20	-2.88	--	--	Peak	161.00	200	Vertical	N/A
3**	5218.500	83.84	-2.88	--	--	AV	161.00	200	Vertical	N/A
4	7675.750	53.65	0.76	74.0	20.35	Peak	360.00	400	Vertical	Pass
4**	7675.750	43.72	0.76	54.0	10.28	AV	360.00	400	Vertical	Pass
5	11728.275	52.65	-0.34	74.0	21.35	Peak	67.00	100	Vertical	Pass
5**	11728.275	43.81	-0.34	54.0	10.19	AV	67.00	100	Vertical	Pass
6	16122.075	54.73	1.93	74.0	19.27	Peak	178.00	300	Vertical	Pass
6**	16122.075	45.81	1.93	54.0	8.19	AV	178.00	300	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	1453.500	39.19	-16.95	74.0	34.81	Peak	273.00	400	Horizontal	Pass
1**	1453.500	29.70	-16.95	54.0	24.30	AV	273.00	400	Horizontal	Pass
2	4269.000	47.11	-5.07	74.0	26.89	Peak	77.00	300	Horizontal	Pass
2**	4269.000	37.31	-5.07	54.0	16.69	AV	77.00	300	Horizontal	Pass
3	5241.500	97.89	-3.10	--	--	Peak	319.00	200	Horizontal	N/A
3**	5241.500	90.14	-3.10	--	--	AV	319.00	200	Horizontal	N/A
4	7660.750	53.46	0.91	74.0	20.54	Peak	319.00	100	Horizontal	Pass
4**	7660.750	43.25	0.91	54.0	10.75	AV	319.00	100	Horizontal	Pass
5	12497.299	52.67	1.42	74.0	21.33	Peak	334.00	200	Horizontal	Pass
5**	12497.299	43.60	1.42	54.0	10.40	AV	334.00	200	Horizontal	Pass
6	15635.662	54.76	1.79	74.0	19.24	Peak	300.00	100	Horizontal	Pass
6**	15635.662	45.26	1.79	54.0	8.74	AV	300.00	100	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	1584.000	38.49	-17.10	74.0	35.51	Peak	165.00	300	Vertical	Pass
1**	1584.000	30.74	-17.10	54.0	23.26	AV	165.00	300	Vertical	Pass
2	4242.500	47.31	-4.59	74.0	26.69	Peak	300.00	400	Vertical	Pass
2**	4242.500	38.08	-4.59	54.0	15.92	AV	300.00	400	Vertical	Pass
3	5239.000	91.43	-2.94	--	--	Peak	159.00	200	Vertical	N/A
3**	5239.000	84.50	-2.94	--	--	AV	159.00	200	Vertical	N/A
4	7408.500	53.80	0.47	74.0	20.20	Peak	341.00	300	Vertical	Pass
4**	7408.500	43.85	0.47	54.0	10.15	AV	341.00	300	Vertical	Pass
5	12458.112	52.43	1.10	74.0	21.57	Peak	95.00	200	Vertical	Pass
5**	12458.112	43.87	1.10	54.0	10.13	AV	95.00	200	Vertical	Pass
6	15897.900	54.62	2.01	74.0	19.38	Peak	241.00	300	Vertical	Pass
6**	15897.900	45.09	2.01	54.0	8.91	AV	241.00	300	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	1573.300	38.05	-17.09	74.0	35.95	Peak	229.00	300	Horizontal	Pass
1**	1573.300	28.63	-17.09	54.0	25.37	AV	229.00	300	Horizontal	Pass
2	4256.250	48.44	-4.17	74.0	25.56	Peak	135.00	200	Horizontal	Pass
2**	4256.250	37.94	-4.17	54.0	16.06	AV	135.00	200	Horizontal	Pass
3	5181.250	96.51	-2.31	--	--	Peak	319.00	150	Horizontal	N/A
3**	5181.250	89.39	-2.31	--	--	AV	319.00	150	Horizontal	N/A
4	7435.750	53.66	0.78	74.0	20.34	Peak	135.00	200	Horizontal	Pass
4**	7435.750	43.21	0.78	54.0	10.79	AV	135.00	200	Horizontal	Pass
5	12233.201	52.67	0.87	74.0	21.33	Peak	57.00	100	Horizontal	Pass
5**	12233.201	43.68	0.87	54.0	10.32	AV	57.00	100	Horizontal	Pass
6	16123.912	54.49	1.94	74.0	19.51	Peak	18.00	400	Horizontal	Pass
6**	16123.912	45.44	1.94	54.0	8.56	AV	18.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1542.400	38.35	-17.27	74.0	35.65	Peak	4.00	200	Vertical	Pass
1**	1542.400	29.37	-17.27	54.0	24.63	AV	4.00	200	Vertical	Pass
2	4393.250	47.03	-5.59	74.0	26.97	Peak	303.00	100	Vertical	Pass
2**	4393.250	37.08	-5.59	54.0	16.92	AV	303.00	100	Vertical	Pass
3	5182.500	91.95	-2.34	--	--	Peak	137.00	200	Vertical	N/A
3**	5182.500	84.10	-2.34	--	--	AV	137.00	200	Vertical	N/A
4	7708.750	53.64	1.82	74.0	20.36	Peak	344.00	300	Vertical	Pass
4**	7708.750	45.15	1.82	54.0	8.85	AV	344.00	300	Vertical	Pass
5	12178.575	53.09	0.22	74.0	20.91	Peak	129.00	100	Vertical	Pass
5**	12178.575	43.33	0.22	54.0	10.67	AV	129.00	100	Vertical	Pass
6	16107.900	54.91	1.81	74.0	19.09	Peak	203.00	200	Vertical	Pass
6**	16107.900	45.71	1.81	54.0	8.29	AV	203.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1524.400	38.52	-16.99	74.0	35.48	Peak	156.00	200	Horizontal	Pass
1**	1524.400	29.58	-16.99	54.0	24.42	AV	156.00	200	Horizontal	Pass
2	4119.250	46.79	-5.54	74.0	27.21	Peak	239.00	300	Horizontal	Pass
2**	4119.250	37.57	-5.54	54.0	16.43	AV	239.00	300	Horizontal	Pass
3	5221.750	97.33	-3.08	--	--	Peak	320.00	100	Horizontal	N/A
3**	5221.750	90.62	-3.08	--	--	AV	320.00	100	Horizontal	N/A
4	7704.250	53.37	1.69	74.0	20.63	Peak	360.00	300	Horizontal	Pass
4**	7704.250	45.03	1.69	54.0	8.97	AV	360.00	300	Horizontal	Pass
5	12510.363	52.72	1.38	74.0	21.28	Peak	329.00	100	Horizontal	Pass
5**	12510.363	43.58	1.38	54.0	10.42	AV	329.00	100	Horizontal	Pass
6	16110.262	54.75	1.83	74.0	19.25	Peak	105.00	400	Horizontal	Pass
6**	16110.262	46.00	1.83	54.0	8.00	AV	105.00	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	1493.300	39.86	-17.16	74.0	34.14	Peak	94.00	100	Vertical	Pass
1**	1493.300	29.24	-17.16	54.0	24.76	AV	94.00	100	Vertical	Pass
2	4311.250	47.44	-5.45	74.0	26.56	Peak	98.00	400	Vertical	Pass
2**	4311.250	37.93	-5.45	54.0	16.07	AV	98.00	400	Vertical	Pass
3	5218.750	91.08	-2.94	--	--	Peak	157.00	200	Vertical	N/A
3**	5218.750	84.32	-2.94	--	--	AV	157.00	200	Vertical	N/A
4	7346.750	53.64	-0.15	74.0	20.36	Peak	139.00	400	Vertical	Pass
4**	7346.750	44.52	-0.15	54.0	9.48	AV	139.00	400	Vertical	Pass
5	12214.674	52.92	0.61	74.0	21.08	Peak	42.00	100	Vertical	Pass
5**	12214.674	43.24	0.61	54.0	10.76	AV	42.00	100	Vertical	Pass
6	15762.713	54.56	1.19	74.0	19.44	Peak	111.00	300	Vertical	Pass
6**	15762.713	43.86	1.19	54.0	10.14	AV	111.00	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	1617.500	38.73	-16.97	74.0	35.27	Peak	356.00	400	Horizontal	Pass
1**	1617.500	29.11	-16.97	54.0	24.89	AV	356.00	400	Horizontal	Pass
2	4276.250	47.01	-4.93	74.0	26.99	Peak	360.00	100	Horizontal	Pass
2**	4276.250	38.03	-4.93	54.0	15.97	AV	360.00	100	Horizontal	Pass
3	5241.000	97.51	-3.09	--	--	Peak	319.00	200	Horizontal	N/A
3**	5241.000	89.93	-3.09	--	--	AV	319.00	200	Horizontal	N/A
4	7716.500	54.53	1.23	74.0	19.47	Peak	116.00	300	Horizontal	Pass
4**	7716.500	43.93	1.23	54.0	10.07	AV	116.00	300	Horizontal	Pass
5	12515.350	52.90	1.35	74.0	21.10	Peak	261.00	150	Horizontal	Pass
5**	12515.350	43.32	1.35	54.0	10.68	AV	261.00	150	Horizontal	Pass
6	15897.375	54.43	2.01	74.0	19.57	Peak	147.00	300	Horizontal	Pass
6**	15897.375	45.40	2.01	54.0	8.60	AV	147.00	300	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	1611.800	38.58	-16.84	74.0	35.42	Peak	186.00	300	Vertical	Pass
1**	1611.800	28.96	-16.84	54.0	25.04	AV	186.00	300	Vertical	Pass
2	4241.750	46.90	-4.72	74.0	27.10	Peak	341.00	300	Vertical	Pass
2**	4241.750	37.32	-4.72	54.0	16.68	AV	341.00	300	Vertical	Pass
3	5238.750	91.61	-2.91	--	--	Peak	157.00	150	Vertical	N/A
3**	5238.750	83.90	-2.91	--	--	AV	157.00	150	Vertical	N/A
4	7708.750	53.07	1.82	74.0	20.93	Peak	360.00	300	Vertical	Pass
4**	7708.750	44.66	1.82	54.0	9.34	AV	360.00	300	Vertical	Pass
5	12494.451	52.81	1.39	74.0	21.19	Peak	63.00	150	Vertical	Pass
5**	12494.451	43.10	1.39	54.0	10.90	AV	63.00	150	Vertical	Pass
6	16135.200	54.51	2.03	74.0	19.49	Peak	186.00	100	Vertical	Pass
6**	16135.200	45.78	2.03	54.0	8.22	AV	186.00	100	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	1561.900	38.17	-17.34	74.0	35.83	Peak	116.00	200	Horizontal	Pass
1**	1561.900	28.99	-17.34	54.0	25.01	AV	116.00	200	Horizontal	Pass
2	4386.750	47.36	-5.05	74.0	26.64	Peak	346.00	300	Horizontal	Pass
2**	4386.750	38.39	-5.05	54.0	15.61	AV	346.00	300	Horizontal	Pass
3	5181.500	96.82	-2.37	--	--	Peak	325.00	200	Horizontal	N/A
3**	5181.500	88.62	-2.37	--	--	AV	325.00	200	Horizontal	N/A
4	7423.000	53.32	1.54	74.0	20.68	Peak	305.00	200	Horizontal	Pass
4**	7423.000	46.10	1.54	54.0	7.90	AV	305.00	200	Horizontal	Pass
5	11812.350	53.31	-0.29	74.0	20.69	Peak	35.00	150	Horizontal	Pass
5**	11812.350	43.51	-0.29	54.0	10.49	AV	35.00	150	Horizontal	Pass
6	16102.651	54.70	1.77	74.0	19.30	Peak	256.00	100	Horizontal	Pass
6**	16102.651	45.21	1.77	54.0	8.79	AV	256.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1573.000	39.12	-17.05	74.0	34.88	Peak	80.00	100	Vertical	Pass
1**	1573.000	28.90	-17.05	54.0	25.10	AV	80.00	100	Vertical	Pass
2	4239.250	46.61	-4.89	74.0	27.39	Peak	302.00	400	Vertical	Pass
2**	4239.250	37.68	-4.89	54.0	16.32	AV	302.00	400	Vertical	Pass
3	5178.500	90.45	-2.63	--	--	Peak	161.00	150	Vertical	N/A
3**	5178.500	83.03	-2.63	--	--	AV	161.00	150	Vertical	N/A
4	7714.000	54.00	1.69	74.0	20.00	Peak	57.00	200	Vertical	Pass
4**	7714.000	44.42	1.69	54.0	9.58	AV	57.00	200	Vertical	Pass
5	12452.412	52.86	1.06	74.0	21.14	Peak	268.00	200	Vertical	Pass
5**	12452.412	43.02	1.06	54.0	10.98	AV	268.00	200	Vertical	Pass
6	16064.326	54.64	1.28	74.0	19.36	Peak	317.00	200	Vertical	Pass
6**	16064.326	45.86	1.28	54.0	8.14	AV	317.00	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	1613.400	38.70	-16.78	74.0	35.30	Peak	203.00	400	Horizontal	Pass
1**	1613.400	29.55	-16.78	54.0	24.45	AV	203.00	400	Horizontal	Pass
2	4258.000	47.22	-4.28	74.0	26.78	Peak	360.00	200	Horizontal	Pass
2**	4258.000	37.61	-4.28	54.0	16.39	AV	360.00	200	Horizontal	Pass
3	5218.750	97.03	-2.94	--	--	Peak	322.00	100	Horizontal	N/A
3**	5218.750	89.44	-2.94	--	--	AV	322.00	100	Horizontal	N/A
4	7738.500	53.45	0.20	74.0	20.55	Peak	139.00	200	Horizontal	Pass
4**	7738.500	43.39	0.20	54.0	10.61	AV	139.00	200	Horizontal	Pass
5	12542.188	53.14	1.20	74.0	20.86	Peak	320.00	200	Horizontal	Pass
5**	12542.188	43.46	1.20	54.0	10.54	AV	320.00	200	Horizontal	Pass
6	15906.825	54.79	1.91	74.0	19.21	Peak	215.00	400	Horizontal	Pass
6**	15906.825	46.17	1.91	54.0	7.83	AV	215.00	400	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	1612.300	38.11	-16.85	74.0	35.89	Peak	229.00	100	Vertical	Pass
1**	1612.300	29.18	-16.85	54.0	24.82	AV	229.00	100	Vertical	Pass
2	3981.750	47.31	-5.54	74.0	26.69	Peak	198.00	100	Vertical	Pass
2**	3981.750	37.88	-5.54	54.0	16.12	AV	198.00	100	Vertical	Pass
3	5218.750	91.75	-2.94	--	--	Peak	157.00	150	Vertical	N/A
3**	5218.750	84.25	-2.94	--	--	AV	157.00	150	Vertical	N/A
4	7704.750	53.80	2.00	74.0	20.20	Peak	37.00	400	Vertical	Pass
4**	7704.750	44.62	2.00	54.0	9.38	AV	37.00	400	Vertical	Pass
5	12513.925	52.90	1.36	74.0	21.10	Peak	224.00	200	Vertical	Pass
5**	12513.925	43.23	1.36	54.0	10.77	AV	224.00	200	Vertical	Pass
6	16144.125	54.98	2.10	74.0	19.02	Peak	317.00	200	Vertical	Pass
6**	16144.125	46.21	2.10	54.0	7.79	AV	317.00	200	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	1604.600	38.28	-16.79	74.0	35.72	Peak	202.00	400	Horizontal	Pass
1**	1604.600	28.83	-16.79	54.0	25.17	AV	202.00	400	Horizontal	Pass
2	4382.750	47.37	-5.66	74.0	26.63	Peak	298.00	300	Horizontal	Pass
2**	4382.750	36.95	-5.66	54.0	17.05	AV	298.00	300	Horizontal	Pass
3	5241.500	97.44	-3.10	--	--	Peak	319.00	150	Horizontal	N/A
3**	5241.500	90.61	-3.10	--	--	AV	319.00	150	Horizontal	N/A
4	7731.000	53.45	0.38	74.0	20.55	Peak	76.00	100	Horizontal	Pass
4**	7731.000	43.73	0.38	54.0	10.27	AV	76.00	100	Horizontal	Pass
5	12495.400	52.92	1.40	74.0	21.08	Peak	180.00	150	Horizontal	Pass
5**	12495.400	44.27	1.40	54.0	9.73	AV	180.00	150	Horizontal	Pass
6	16164.862	55.15	2.05	74.0	18.85	Peak	346.00	400	Horizontal	Pass
6**	16164.862	45.00	2.05	54.0	9.00	AV	346.00	400	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	1532.200	38.35	-16.90	74.0	35.65	Peak	327.00	400	Vertical	Pass
1**	1532.200	28.56	-16.90	54.0	25.44	AV	327.00	400	Vertical	Pass
2	4332.000	47.21	-4.62	74.0	26.79	Peak	36.00	400	Vertical	Pass
2**	4332.000	38.23	-4.62	54.0	15.77	AV	36.00	400	Vertical	Pass
3	5242.000	92.02	-3.15	--	--	Peak	157.00	150	Vertical	N/A
3**	5242.000	83.80	-3.15	--	--	AV	157.00	150	Vertical	N/A
4	7707.000	53.36	1.71	74.0	20.64	Peak	198.00	200	Vertical	Pass
4**	7707.000	44.41	1.71	54.0	9.59	AV	198.00	200	Vertical	Pass
5	12262.412	52.95	0.97	74.0	21.05	Peak	154.00	150	Vertical	Pass
5**	12262.412	43.28	0.97	54.0	10.72	AV	154.00	150	Vertical	Pass
6	15912.337	54.95	1.81	74.0	19.05	Peak	303.00	200	Vertical	Pass
6**	15912.337	45.13	1.81	54.0	8.87	AV	303.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1605.900	38.38	-17.06	74.0	35.62	Peak	31.00	400	Horizontal	Pass
1**	1605.900	29.26	-17.06	54.0	24.74	AV	31.00	400	Horizontal	Pass
2	4261.750	46.82	-4.54	74.0	27.18	Peak	38.00	400	Horizontal	Pass
2**	4261.750	37.55	-4.54	54.0	16.45	AV	38.00	400	Horizontal	Pass
3	5258.500	95.80	-3.19	--	--	Peak	334.00	200	Horizontal	N/A
3**	5258.500	88.06	-3.19	--	--	AV	334.00	200	Horizontal	N/A
4	7409.500	53.44	0.66	74.0	20.56	Peak	229.00	200	Horizontal	Pass
4**	7409.500	44.46	0.66	54.0	9.54	AV	229.00	200	Horizontal	Pass
5	12445.050	52.62	1.04	74.0	21.38	Peak	3.00	150	Horizontal	Pass
5**	12445.050	43.09	1.04	54.0	10.91	AV	3.00	150	Horizontal	Pass
6	16128.638	55.28	1.98	74.0	18.72	Peak	82.00	200	Horizontal	Pass
6**	16128.638	45.80	1.98	54.0	8.20	AV	82.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1494.400	39.04	-17.29	74.0	34.96	Peak	104.00	400	Vertical	Pass
1**	1494.400	28.62	-17.29	54.0	25.38	AV	104.00	400	Vertical	Pass
2	4332.250	47.33	-4.70	74.0	26.67	Peak	360.00	100	Vertical	Pass
2**	4332.250	38.78	-4.70	54.0	15.22	AV	360.00	100	Vertical	Pass
3	5261.250	89.02	-3.06	--	--	Peak	137.00	100	Vertical	N/A
3**	5261.250	81.92	-3.06	--	--	AV	137.00	100	Vertical	N/A
4	7711.250	53.54	1.79	74.0	20.46	Peak	320.00	300	Vertical	Pass
4**	7711.250	44.37	1.79	54.0	9.63	AV	320.00	300	Vertical	Pass
5	12517.012	53.89	1.34	74.0	20.11	Peak	325.00	150	Vertical	Pass
5**	12517.012	44.65	1.34	54.0	9.35	AV	325.00	150	Vertical	Pass
6	15914.174	54.60	1.78	74.0	19.40	Peak	149.00	100	Vertical	Pass
6**	15914.174	45.70	1.78	54.0	8.30	AV	149.00	100	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	1443.600	38.27	-16.86	74.0	35.73	Peak	0.00	400	Horizontal	Pass
1**	1443.600	29.22	-16.86	54.0	24.78	AV	0.00	400	Horizontal	Pass
2	4056.750	47.08	-5.29	74.0	26.92	Peak	107.00	400	Horizontal	Pass
2**	4056.750	36.62	-5.29	54.0	17.38	AV	107.00	400	Horizontal	Pass
3	5301.250	99.37	-2.86	--	--	Peak	266.00	150	Horizontal	N/A
3**	5301.250	92.16	-2.86	--	--	AV	266.00	150	Horizontal	N/A
4	7717.000	53.46	1.14	74.0	20.54	Peak	58.00	200	Horizontal	Pass
4**	7717.000	43.88	1.14	54.0	10.12	AV	58.00	200	Horizontal	Pass
5	12402.537	52.59	1.10	74.0	21.41	Peak	199.00	100	Horizontal	Pass
5**	12402.537	42.77	1.10	54.0	11.23	AV	199.00	100	Horizontal	Pass
6	16117.349	54.81	1.89	74.0	19.19	Peak	219.00	300	Horizontal	Pass
6**	16117.349	46.33	1.89	54.0	7.67	AV	219.00	300	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	1551.100	38.95	-17.17	74.0	35.05	Peak	152.00	300	Vertical	Pass
1**	1551.100	28.77	-17.17	54.0	25.23	AV	152.00	300	Vertical	Pass
2	4163.750	47.12	-5.52	74.0	26.88	Peak	238.00	100	Vertical	Pass
2**	4163.750	37.27	-5.52	54.0	16.73	AV	238.00	100	Vertical	Pass
3	5301.500	89.38	-2.76	--	--	Peak	130.00	150	Vertical	N/A
3**	5301.500	82.39	-2.76	--	--	AV	130.00	150	Vertical	N/A
4	7420.250	53.89	1.47	74.0	20.11	Peak	344.00	100	Vertical	Pass
4**	7420.250	44.46	1.47	54.0	9.54	AV	344.00	100	Vertical	Pass
5	12221.325	52.69	0.70	74.0	21.31	Peak	268.00	100	Vertical	Pass
5**	12221.325	44.04	0.70	54.0	9.96	AV	268.00	100	Vertical	Pass
6	16133.888	54.88	2.02	74.0	19.12	Peak	16.00	200	Vertical	Pass
6**	16133.888	45.35	2.02	54.0	8.65	AV	16.00	200	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	1476.400	37.99	-17.06	74.0	36.01	Peak	239.00	300	Horizontal	Pass
1**	1476.400	29.00	-17.06	54.0	25.00	AV	239.00	300	Horizontal	Pass
2	4289.750	47.12	-4.70	74.0	26.88	Peak	106.00	100	Horizontal	Pass
2**	4289.750	37.66	-4.70	54.0	16.34	AV	106.00	100	Horizontal	Pass
3	5321.250	101.27	-2.95	--	--	Peak	285.00	200	Horizontal	N/A
3**	5321.250	94.03	-2.95	--	--	AV	285.00	200	Horizontal	N/A
4	7712.000	53.36	1.91	74.0	20.64	Peak	0.00	200	Horizontal	Pass
4**	7712.000	44.56	1.91	54.0	9.44	AV	0.00	200	Horizontal	Pass
5	11768.412	52.50	-0.18	74.0	21.50	Peak	9.00	200	Horizontal	Pass
5**	11768.412	42.74	-0.18	54.0	11.26	AV	9.00	200	Horizontal	Pass
6	16148.850	54.40	2.14	74.0	19.60	Peak	246.00	300	Horizontal	Pass
6**	16148.850	45.57	2.14	54.0	8.43	AV	246.00	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	1469.400	38.89	-17.20	74.0	35.11	Peak	84.00	200	Vertical	Pass
1**	1469.400	28.39	-17.20	54.0	25.61	AV	84.00	200	Vertical	Pass
2	4286.250	46.83	-4.67	74.0	27.17	Peak	360.00	400	Vertical	Pass
2**	4286.250	36.85	-4.67	54.0	17.15	AV	360.00	400	Vertical	Pass
3	5321.250	91.85	-2.95	--	--	Peak	118.00	200	Vertical	N/A
3**	5321.250	84.31	-2.95	--	--	AV	118.00	200	Vertical	N/A
4	7623.750	53.65	0.26	74.0	20.35	Peak	245.00	200	Vertical	Pass
4**	7623.750	43.63	0.26	54.0	10.37	AV	245.00	200	Vertical	Pass
5	11786.225	52.77	-0.16	74.0	21.23	Peak	260.00	200	Vertical	Pass
5**	11786.225	43.51	-0.16	54.0	10.49	AV	260.00	200	Vertical	Pass
6	16107.638	54.72	1.81	74.0	19.28	Peak	199.00	200	Vertical	Pass
6**	16107.638	45.96	1.81	54.0	8.04	AV	199.00	200	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	1622.900	38.54	-16.95	74.0	35.46	Peak	266.00	300	Horizontal	Pass
1**	1622.900	29.30	-16.95	54.0	24.70	AV	266.00	300	Horizontal	Pass
2	4379.250	46.79	-5.27	74.0	27.21	Peak	140.00	100	Horizontal	Pass
2**	4379.250	37.70	-5.27	54.0	16.30	AV	140.00	100	Horizontal	Pass
3	5261.250	95.79	-3.06	--	--	Peak	324.00	100	Horizontal	N/A
3**	5261.250	88.56	-3.06	--	--	AV	324.00	100	Horizontal	N/A
4	7688.250	53.21	1.05	74.0	20.79	Peak	360.00	200	Horizontal	Pass
4**	7688.250	44.95	1.05	54.0	9.05	AV	360.00	200	Horizontal	Pass
5	12511.075	52.64	1.37	74.0	21.36	Peak	152.00	150	Horizontal	Pass
5**	12511.075	43.90	1.37	54.0	10.10	AV	152.00	150	Horizontal	Pass
6	16058.812	55.21	1.21	74.0	18.79	Peak	314.00	300	Horizontal	Pass
6**	16058.812	45.11	1.21	54.0	8.89	AV	314.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1497.500	38.75	-16.89	74.0	35.25	Peak	86.00	400	Vertical	Pass
1**	1497.500	30.01	-16.89	54.0	23.99	AV	86.00	400	Vertical	Pass
2	4275.250	47.22	-5.25	74.0	26.78	Peak	57.00	200	Vertical	Pass
2**	4275.250	37.60	-5.25	54.0	16.40	AV	57.00	200	Vertical	Pass
3	5262.250	89.41	-3.08	--	--	Peak	157.00	100	Vertical	N/A
3**	5262.250	81.74	-3.08	--	--	AV	157.00	100	Vertical	N/A
4	7686.250	53.33	1.35	74.0	20.67	Peak	37.00	200	Vertical	Pass
4**	7686.250	44.23	1.35	54.0	9.77	AV	37.00	200	Vertical	Pass
5	12241.037	52.95	0.98	74.0	21.05	Peak	125.00	150	Vertical	Pass
5**	12241.037	43.00	0.98	54.0	11.00	AV	125.00	150	Vertical	Pass
6	16083.488	54.94	1.53	74.0	19.06	Peak	319.00	400	Vertical	Pass
6**	16083.488	45.88	1.53	54.0	8.12	AV	319.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1494.100	38.55	-17.12	74.0	35.45	Peak	335.00	300	Horizontal	Pass
1**	1494.100	28.49	-17.12	54.0	25.51	AV	335.00	300	Horizontal	Pass
2	4367.750	47.35	-4.61	74.0	26.65	Peak	196.00	400	Horizontal	Pass
2**	4367.750	37.10	-4.61	54.0	16.90	AV	196.00	400	Horizontal	Pass
3	5299.000	99.51	-2.59	--	--	Peak	270.00	200	Horizontal	N/A
3**	5299.000	92.64	-2.59	--	--	AV	270.00	200	Horizontal	N/A
4	7719.500	53.44	1.10	74.0	20.56	Peak	0.00	400	Horizontal	Pass
4**	7719.500	43.52	1.10	54.0	10.48	AV	0.00	400	Horizontal	Pass
5	11760.099	53.00	-0.19	74.0	21.00	Peak	272.00	200	Horizontal	Pass
5**	11760.099	43.40	-0.19	54.0	10.60	AV	272.00	200	Horizontal	Pass
6	16110.788	54.72	1.84	74.0	19.28	Peak	275.00	100	Horizontal	Pass
6**	16110.788	45.62	1.84	54.0	8.38	AV	275.00	100	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	1534.500	38.26	-16.98	74.0	35.74	Peak	184.00	200	Vertical	Pass
1**	1534.500	28.70	-16.98	54.0	25.30	AV	184.00	200	Vertical	Pass
2	4346.750	47.15	-4.81	74.0	26.85	Peak	185.00	300	Vertical	Pass
2**	4346.750	37.22	-4.81	54.0	16.78	AV	185.00	300	Vertical	Pass
3	5300.750	89.62	-2.77	--	--	Peak	145.00	200	Vertical	N/A
3**	5300.750	81.73	-2.77	--	--	AV	145.00	200	Vertical	N/A
4	7409.000	53.74	0.59	74.0	20.26	Peak	206.00	400	Vertical	Pass
4**	7409.000	43.83	0.59	54.0	10.17	AV	206.00	400	Vertical	Pass
5	12515.826	52.79	1.35	74.0	21.21	Peak	214.00	150	Vertical	Pass
5**	12515.826	42.87	1.35	54.0	11.13	AV	214.00	150	Vertical	Pass
6	16198.725	55.16	1.82	74.0	18.84	Peak	221.00	400	Vertical	Pass
6**	16198.725	44.93	1.82	54.0	9.07	AV	221.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1527.300	38.09	-17.10	74.0	35.91	Peak	216.00	400	Horizontal	Pass
1**	1527.300	28.42	-17.10	54.0	25.58	AV	216.00	400	Horizontal	Pass
2	4280.750	47.70	-4.71	74.0	26.30	Peak	326.00	100	Horizontal	Pass
2**	4280.750	37.70	-4.71	54.0	16.30	AV	326.00	100	Horizontal	Pass
3	5322.500	102.76	-3.06	--	--	Peak	285.00	150	Horizontal	N/A
3**	5322.500	93.11	-3.06	--	--	AV	285.00	150	Horizontal	N/A
4	7707.000	53.86	1.71	74.0	20.14	Peak	344.00	300	Horizontal	Pass
4**	7707.000	45.26	1.71	54.0	8.74	AV	344.00	300	Horizontal	Pass
5	12212.062	52.47	0.57	74.0	21.53	Peak	116.00	100	Horizontal	Pass
5**	12212.062	44.12	0.57	54.0	9.88	AV	116.00	100	Horizontal	Pass
6	16105.012	54.17	1.79	74.0	19.83	Peak	334.00	100	Horizontal	Pass
6**	16105.012	45.90	1.79	54.0	8.10	AV	334.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1511.800	38.58	-16.65	74.0	35.42	Peak	0.00	100	Vertical	Pass
1**	1511.800	28.22	-16.65	54.0	25.78	AV	0.00	100	Vertical	Pass
2	4027.000	47.22	-6.27	74.0	26.78	Peak	285.00	200	Vertical	Pass
2**	4027.000	36.82	-6.27	54.0	17.18	AV	285.00	200	Vertical	Pass
3	5317.250	91.76	-2.75	--	--	Peak	114.00	150	Vertical	N/A
3**	5317.250	84.56	-2.75	--	--	AV	114.00	150	Vertical	N/A
4	7716.750	53.27	1.08	74.0	20.73	Peak	180.00	200	Vertical	Pass
4**	7716.750	43.44	1.08	54.0	10.56	AV	180.00	200	Vertical	Pass
5	12487.326	52.88	1.34	74.0	21.12	Peak	92.00	150	Vertical	Pass
5**	12487.326	42.45	1.34	54.0	11.55	AV	92.00	150	Vertical	Pass
6	16099.763	54.71	1.75	74.0	19.29	Peak	63.00	200	Vertical	Pass
6**	16099.763	45.67	1.75	54.0	8.33	AV	63.00	200	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	1620.700	38.40	-16.97	74.0	35.60	Peak	329.00	300	Horizontal	Pass
1**	1620.700	28.70	-16.97	54.0	25.30	AV	329.00	300	Horizontal	Pass
2	4266.250	46.93	-4.89	74.0	27.07	Peak	37.00	200	Horizontal	Pass
2**	4266.250	37.24	-4.89	54.0	16.76	AV	37.00	200	Horizontal	Pass
3	5261.250	95.70	-3.06	--	--	Peak	325.00	150	Horizontal	N/A
3**	5261.250	88.38	-3.06	--	--	AV	325.00	150	Horizontal	N/A
4	7686.250	53.77	1.35	74.0	20.23	Peak	360.00	100	Horizontal	Pass
4**	7686.250	44.64	1.35	54.0	9.36	AV	360.00	100	Horizontal	Pass
5	12518.912	52.65	1.33	74.0	21.35	Peak	246.00	150	Horizontal	Pass
5**	12518.912	43.35	1.33	54.0	10.65	AV	246.00	150	Horizontal	Pass
6	16038.338	54.61	1.13	74.0	19.39	Peak	268.00	100	Horizontal	Pass
6**	16038.338	44.30	1.13	54.0	9.70	AV	268.00	100	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	1497.200	38.36	-16.74	74.0	35.64	Peak	274.00	300	Vertical	Pass
1**	1497.200	29.16	-16.74	54.0	24.84	AV	274.00	300	Vertical	Pass
2	4096.500	46.99	-5.75	74.0	27.01	Peak	37.00	300	Vertical	Pass
2**	4096.500	36.81	-5.75	54.0	17.19	AV	37.00	300	Vertical	Pass
3	5258.750	89.27	-3.08	--	--	Peak	137.00	150	Vertical	N/A
3**	5258.750	82.57	-3.08	--	--	AV	137.00	150	Vertical	N/A
4	7736.250	53.67	0.44	74.0	20.33	Peak	220.00	300	Vertical	Pass
4**	7736.250	43.83	0.44	54.0	10.17	AV	220.00	300	Vertical	Pass
5	11792.400	53.01	-0.15	74.0	20.99	Peak	341.00	200	Vertical	Pass
5**	11792.400	43.24	-0.15	54.0	10.76	AV	341.00	200	Vertical	Pass
6	16106.588	54.65	1.80	74.0	19.35	Peak	64.00	200	Vertical	Pass
6**	16106.588	47.22	1.80	54.0	6.78	AV	64.00	200	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	1532.000	38.69	-16.93	74.0	35.31	Peak	40.00	400	Horizontal	Pass
1**	1532.000	29.51	-16.93	54.0	24.49	AV	40.00	400	Horizontal	Pass
2	4324.000	47.56	-4.89	74.0	26.44	Peak	89.00	100	Horizontal	Pass
2**	4324.000	38.13	-4.89	54.0	15.87	AV	89.00	100	Horizontal	Pass
3	5301.500	99.49	-2.76	--	--	Peak	258.00	200	Horizontal	N/A
3**	5301.500	92.04	-2.76	--	--	AV	258.00	200	Horizontal	N/A
4	7442.250	53.60	0.67	74.0	20.40	Peak	89.00	200	Horizontal	Pass
4**	7442.250	43.64	0.67	54.0	10.36	AV	89.00	200	Horizontal	Pass
5	12257.188	53.39	1.03	74.0	20.61	Peak	257.00	150	Horizontal	Pass
5**	12257.188	44.61	1.03	54.0	9.39	AV	257.00	150	Horizontal	Pass
6	16115.775	54.69	1.88	74.0	19.31	Peak	231.00	100	Horizontal	Pass
6**	16115.775	45.30	1.88	54.0	8.70	AV	231.00	100	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	1619.900	38.66	-16.86	74.0	35.34	Peak	0.00	200	Vertical	Pass
1**	1619.900	28.98	-16.86	54.0	25.02	AV	0.00	200	Vertical	Pass
2	4324.000	47.40	-4.89	74.0	26.60	Peak	344.00	100	Vertical	Pass
2**	4324.000	37.96	-4.89	54.0	16.04	AV	344.00	100	Vertical	Pass
3	5299.000	89.96	-2.59	--	--	Peak	145.00	100	Vertical	N/A
3**	5299.000	82.64	-2.59	--	--	AV	145.00	100	Vertical	N/A
4	7487.750	53.49	1.49	74.0	20.51	Peak	287.00	200	Vertical	Pass
4**	7487.750	44.34	1.49	54.0	9.66	AV	287.00	200	Vertical	Pass
5	12469.987	52.79	1.20	74.0	21.21	Peak	39.00	100	Vertical	Pass
5**	12469.987	43.38	1.20	54.0	10.62	AV	39.00	100	Vertical	Pass
6	16109.475	54.52	1.83	74.0	19.48	Peak	267.00	100	Vertical	Pass
6**	16109.475	45.63	1.83	54.0	8.37	AV	267.00	100	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	1619.900	38.09	-16.86	74.0	35.91	Peak	288.00	300	Horizontal	Pass
1**	1619.900	28.32	-16.86	54.0	25.68	AV	288.00	300	Horizontal	Pass
2	4291.500	47.06	-4.71	74.0	26.94	Peak	245.00	400	Horizontal	Pass
2**	4291.500	37.69	-4.71	54.0	16.31	AV	245.00	400	Horizontal	Pass
3	5321.750	101.47	-2.80	--	--	Peak	285.00	100	Horizontal	N/A
3**	5321.750	93.90	-2.80	--	--	AV	285.00	100	Horizontal	N/A
4	7418.500	53.29	1.01	74.0	20.71	Peak	265.00	100	Horizontal	Pass
4**	7418.500	43.95	1.01	54.0	10.05	AV	265.00	100	Horizontal	Pass
5	12237.475	53.14	0.93	74.0	20.86	Peak	33.00	150	Horizontal	Pass
5**	12237.475	42.80	0.93	54.0	11.20	AV	33.00	150	Horizontal	Pass
6	16091.099	55.15	1.63	74.0	18.85	Peak	360.00	200	Horizontal	Pass
6**	16091.099	45.81	1.63	54.0	8.19	AV	360.00	200	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	1512.800	38.18	-16.97	74.0	35.82	Peak	0.00	100	Vertical	Pass
1**	1512.800	28.67	-16.97	54.0	25.33	AV	0.00	100	Vertical	Pass
2	4258.250	46.84	-4.07	74.0	27.16	Peak	341.00	400	Vertical	Pass
2**	4258.250	38.39	-4.07	54.0	15.61	AV	341.00	400	Vertical	Pass
3	5317.250	91.98	-2.75	--	--	Peak	139.00	150	Vertical	N/A
3**	5317.250	84.42	-2.75	--	--	AV	139.00	150	Vertical	N/A
4	7698.500	54.24	1.28	74.0	19.76	Peak	0.00	200	Vertical	Pass
4**	7698.500	43.72	1.28	54.0	10.28	AV	0.00	200	Vertical	Pass
5	12238.188	52.42	0.94	74.0	21.58	Peak	30.00	150	Vertical	Pass
5**	12238.188	43.73	0.94	54.0	10.27	AV	30.00	150	Vertical	Pass
6	16127.325	54.03	1.97	74.0	19.97	Peak	7.00	300	Vertical	Pass
6**	16127.325	44.95	1.97	54.0	9.05	AV	7.00	300	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	1512.000	38.39	-16.53	74.0	35.61	Peak	35.00	100	Horizontal	Pass
1**	1512.000	29.04	-16.53	54.0	24.96	AV	35.00	100	Horizontal	Pass
2	4242.750	47.22	-4.69	74.0	26.78	Peak	44.00	400	Horizontal	Pass
2**	4242.750	38.07	-4.69	54.0	15.93	AV	44.00	400	Horizontal	Pass
3	5498.750	103.01	-2.54	--	--	Peak	271.00	150	Horizontal	N/A
3**	5498.750	95.69	-2.54	--	--	AV	271.00	150	Horizontal	N/A
4	7311.250	53.29	0.55	74.0	20.71	Peak	319.00	300	Horizontal	Pass
4**	7311.250	44.66	0.55	54.0	9.34	AV	319.00	300	Horizontal	Pass
5	12506.800	53.05	1.40	74.0	20.95	Peak	12.00	200	Horizontal	Pass
5**	12506.800	43.01	1.40	54.0	10.99	AV	12.00	200	Horizontal	Pass
6	16105.800	55.29	1.80	74.0	18.71	Peak	109.00	400	Horizontal	Pass
6**	16105.800	45.34	1.80	54.0	8.66	AV	109.00	400	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	1613.600	38.89	-16.85	74.0	35.11	Peak	45.00	200	Vertical	Pass
1**	1613.600	28.98	-16.85	54.0	25.02	AV	45.00	200	Vertical	Pass
2	4241.500	47.81	-4.69	74.0	26.19	Peak	0.00	100	Vertical	Pass
2**	4241.500	38.06	-4.69	54.0	15.94	AV	0.00	100	Vertical	Pass
3	5498.750	94.18	-2.54	--	--	Peak	150.00	100	Vertical	N/A
3**	5498.750	87.27	-2.54	--	--	AV	150.00	100	Vertical	N/A
4	7709.500	53.43	1.88	74.0	20.57	Peak	243.00	100	Vertical	Pass
4**	7709.500	44.39	1.88	54.0	9.61	AV	243.00	100	Vertical	Pass
5	12263.125	53.05	0.96	74.0	20.95	Peak	197.00	200	Vertical	Pass
5**	12263.125	44.23	0.96	54.0	9.77	AV	197.00	200	Vertical	Pass
6	16053.562	54.44	1.14	74.0	19.56	Peak	302.00	400	Vertical	Pass
6**	16053.562	45.76	1.14	54.0	8.24	AV	302.00	400	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	1452.900	37.92	-16.97	74.0	36.08	Peak	33.00	400	Horizontal	Pass
1**	1452.900	29.34	-16.97	54.0	24.66	AV	33.00	400	Horizontal	Pass
2	4320.750	47.01	-4.72	74.0	26.99	Peak	20.00	300	Horizontal	Pass
2**	4320.750	38.24	-4.72	54.0	15.76	AV	20.00	300	Horizontal	Pass
3	5578.000	103.01	-2.09	--	--	Peak	264.00	100	Horizontal	N/A
3**	5578.000	95.47	-2.09	--	--	AV	264.00	100	Horizontal	N/A
4	7420.000	53.16	1.50	74.0	20.84	Peak	203.00	100	Horizontal	Pass
4**	7420.000	43.97	1.50	54.0	10.03	AV	203.00	100	Horizontal	Pass
5	12224.175	53.03	0.74	74.0	20.97	Peak	113.00	200	Horizontal	Pass
5**	12224.175	44.69	0.74	54.0	9.31	AV	113.00	200	Horizontal	Pass
6	16116.037	55.26	1.88	74.0	18.74	Peak	149.00	300	Horizontal	Pass
6**	16116.037	45.43	1.88	54.0	8.57	AV	149.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1613.900	38.12	-16.70	74.0	35.88	Peak	194.00	400	Vertical	Pass
1**	1613.900	29.04	-16.70	54.0	24.96	AV	194.00	400	Vertical	Pass
2	4320.500	47.50	-5.01	74.0	26.50	Peak	343.00	400	Vertical	Pass
2**	4320.500	38.51	-5.01	54.0	15.49	AV	343.00	400	Vertical	Pass
3	5578.500	95.57	-2.10	--	--	Peak	129.00	200	Vertical	N/A
3**	5578.500	87.64	-2.10	--	--	AV	129.00	200	Vertical	N/A
4	7704.750	53.17	2.00	74.0	20.83	Peak	104.00	200	Vertical	Pass
4**	7704.750	45.17	2.00	54.0	8.83	AV	104.00	200	Vertical	Pass
5	11758.913	53.03	-0.19	74.0	20.97	Peak	34.00	100	Vertical	Pass
5**	11758.913	43.44	-0.19	54.0	10.56	AV	34.00	100	Vertical	Pass
6	16110.262	54.40	1.83	74.0	19.60	Peak	331.00	100	Vertical	Pass
6**	16110.262	45.45	1.83	54.0	8.55	AV	331.00	100	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	1448.600	38.11	-17.06	74.0	35.89	Peak	282.00	400	Horizontal	Pass
1**	1448.600	28.06	-17.06	54.0	25.94	AV	282.00	400	Horizontal	Pass
2	4388.250	47.01	-4.99	74.0	26.99	Peak	224.00	400	Horizontal	Pass
2**	4388.250	38.36	-4.99	54.0	15.64	AV	224.00	400	Horizontal	Pass
3	5699.000	100.74	-2.24	--	--	Peak	270.00	150	Horizontal	N/A
3**	5699.000	93.48	-2.24	--	--	AV	270.00	150	Horizontal	N/A
4	7705.000	53.49	2.03	74.0	20.51	Peak	0.00	100	Horizontal	Pass
4**	7705.000	45.04	2.03	54.0	8.96	AV	0.00	100	Horizontal	Pass
5	11801.187	53.10	-0.16	74.0	20.90	Peak	28.00	100	Horizontal	Pass
5**	11801.187	43.53	-0.16	54.0	10.47	AV	28.00	100	Horizontal	Pass
6	16178.513	54.81	1.96	74.0	19.19	Peak	68.00	200	Horizontal	Pass
6**	16178.513	44.77	1.96	54.0	9.23	AV	68.00	200	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	1464.500	37.85	-17.08	74.0	36.15	Peak	110.00	400	Vertical	Pass
1**	1464.500	29.09	-17.08	54.0	24.91	AV	110.00	400	Vertical	Pass
2	4257.000	47.43	-4.04	74.0	26.57	Peak	97.00	100	Vertical	Pass
2**	4257.000	38.73	-4.04	54.0	15.27	AV	97.00	100	Vertical	Pass
3	5703.000	93.95	-2.40	--	--	Peak	124.00	200	Vertical	N/A
3**	5703.000	85.96	-2.40	--	--	AV	124.00	200	Vertical	N/A
4	7713.750	52.91	1.83	74.0	21.09	Peak	146.00	300	Vertical	Pass
4**	7713.750	44.15	1.83	54.0	9.85	AV	146.00	300	Vertical	Pass
5	12439.825	52.54	1.05	74.0	21.46	Peak	96.00	200	Vertical	Pass
5**	12439.825	44.38	1.05	54.0	9.62	AV	96.00	200	Vertical	Pass
6	16143.337	54.68	2.10	74.0	19.32	Peak	322.00	100	Vertical	Pass
6**	16143.337	45.69	2.10	54.0	8.31	AV	322.00	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	1605.000	38.91	-16.61	74.0	35.09	Peak	232.00	300	Horizontal	Pass
1**	1605.000	29.47	-16.61	54.0	24.53	AV	232.00	300	Horizontal	Pass
2	4323.000	47.79	-4.83	74.0	26.21	Peak	98.00	200	Horizontal	Pass
2**	4323.000	38.75	-4.83	54.0	15.25	AV	98.00	200	Horizontal	Pass
3	5498.000	102.68	-2.51	--	--	Peak	259.00	100	Horizontal	N/A
3**	5498.000	95.48	-2.51	--	--	AV	259.00	100	Horizontal	N/A
4	7407.750	53.60	0.54	74.0	20.40	Peak	159.00	200	Horizontal	Pass
4**	7407.750	43.60	0.54	54.0	10.40	AV	159.00	200	Horizontal	Pass
5	12298.988	52.77	0.57	74.0	21.23	Peak	227.00	150	Horizontal	Pass
5**	12298.988	42.88	0.57	54.0	11.12	AV	227.00	150	Horizontal	Pass
6	15915.487	54.72	1.76	74.0	19.28	Peak	117.00	100	Horizontal	Pass
6**	15915.487	45.17	1.76	54.0	8.83	AV	117.00	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	1511.300	38.45	-16.81	74.0	35.55	Peak	35.00	200	Vertical	Pass
1**	1511.300	29.46	-16.81	54.0	24.54	AV	35.00	200	Vertical	Pass
2	4208.250	47.10	-4.99	74.0	26.90	Peak	234.00	300	Vertical	Pass
2**	4208.250	38.08	-4.99	54.0	15.92	AV	234.00	300	Vertical	Pass
3	5499.000	93.99	-2.62	--	--	Peak	127.00	200	Vertical	N/A
3**	5499.000	87.61	-2.62	--	--	AV	127.00	200	Vertical	N/A
4	7688.500	53.58	1.01	74.0	20.42	Peak	171.00	300	Vertical	Pass
4**	7688.500	43.90	1.01	54.0	10.10	AV	171.00	300	Vertical	Pass
5	11765.562	52.44	-0.18	74.0	21.56	Peak	33.00	200	Vertical	Pass
5**	11765.562	43.57	-0.18	54.0	10.43	AV	33.00	200	Vertical	Pass
6	16192.950	54.47	1.86	74.0	19.53	Peak	187.00	200	Vertical	Pass
6**	16192.950	44.41	1.86	54.0	9.59	AV	187.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1613.000	38.71	-16.60	74.0	35.29	Peak	295.00	100	Horizontal	Pass
1**	1613.000	30.08	-16.60	54.0	23.92	AV	295.00	100	Horizontal	Pass
2	4292.000	47.03	-4.60	74.0	26.97	Peak	229.00	300	Horizontal	Pass
2**	4292.000	37.59	-4.60	54.0	16.41	AV	229.00	300	Horizontal	Pass
3	5578.500	102.95	-2.10	--	--	Peak	275.00	100	Horizontal	N/A
3**	5578.500	95.46	-2.10	--	--	AV	275.00	100	Horizontal	N/A
4	7427.500	52.99	1.29	74.0	21.01	Peak	178.00	300	Horizontal	Pass
4**	7427.500	43.79	1.29	54.0	10.21	AV	178.00	300	Horizontal	Pass
5	11788.125	52.70	-0.16	74.0	21.30	Peak	160.00	200	Horizontal	Pass
5**	11788.125	43.92	-0.16	54.0	10.08	AV	160.00	200	Horizontal	Pass
6	16092.675	55.37	1.65	74.0	18.63	Peak	41.00	400	Horizontal	Pass
6**	16092.675	45.79	1.65	54.0	8.21	AV	41.00	400	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	1602.400	38.61	-17.01	74.0	35.39	Peak	216.00	100	Vertical	Pass
1**	1602.400	29.47	-17.01	54.0	24.53	AV	216.00	100	Vertical	Pass
2	4215.250	46.88	-5.03	74.0	27.12	Peak	0.00	300	Vertical	Pass
2**	4215.250	38.51	-5.03	54.0	15.49	AV	0.00	300	Vertical	Pass
3	5578.500	95.02	-2.10	--	--	Peak	124.00	200	Vertical	N/A
3**	5578.500	88.02	-2.10	--	--	AV	124.00	200	Vertical	N/A
4	7417.250	53.64	0.71	74.0	20.36	Peak	361.00	100	Vertical	Pass
4**	7417.250	44.20	0.71	54.0	9.80	AV	361.00	100	Vertical	Pass
5	11273.224	52.71	-1.40	74.0	21.29	Peak	292.00	200	Vertical	Pass
5**	11273.224	42.25	-1.40	54.0	11.75	AV	292.00	200	Vertical	Pass
6	15927.562	55.25	1.55	74.0	18.75	Peak	9.00	100	Vertical	Pass
6**	15927.562	45.30	1.55	54.0	8.70	AV	9.00	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	1545.100	37.96	-17.18	74.0	36.04	Peak	58.00	400	Horizontal	Pass
1**	1545.100	28.81	-17.18	54.0	25.19	AV	58.00	400	Horizontal	Pass
2	4205.500	46.91	-5.21	74.0	27.09	Peak	324.00	100	Horizontal	Pass
2**	4205.500	38.04	-5.21	54.0	15.96	AV	324.00	100	Horizontal	Pass
3	5698.500	100.85	-2.31	--	--	Peak	285.00	100	Horizontal	N/A
3**	5698.500	92.91	-2.31	--	--	AV	285.00	100	Horizontal	N/A
4	7421.250	53.33	1.15	74.0	20.67	Peak	0.00	400	Horizontal	Pass
4**	7421.250	44.04	1.15	54.0	9.96	AV	0.00	400	Horizontal	Pass
5	11763.900	53.34	-0.18	74.0	20.66	Peak	31.00	150	Horizontal	Pass
5**	11763.900	43.41	-0.18	54.0	10.59	AV	31.00	150	Horizontal	Pass
6	16163.550	54.70	2.06	74.0	19.30	Peak	193.00	300	Horizontal	Pass
6**	16163.550	44.47	2.06	54.0	9.53	AV	193.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1612.800	39.20	-16.67	74.0	34.80	Peak	130.00	400	Vertical	Pass
1**	1612.800	29.61	-16.67	54.0	24.39	AV	130.00	400	Vertical	Pass
2	4313.750	48.40	-5.13	74.0	25.60	Peak	270.00	200	Vertical	Pass
2**	4313.750	37.64	-5.13	54.0	16.36	AV	270.00	200	Vertical	Pass
3	5695.250	93.84	-2.17	--	--	Peak	129.00	200	Vertical	N/A
3**	5695.250	86.76	-2.17	--	--	AV	129.00	200	Vertical	N/A
4	7490.750	53.29	1.51	74.0	20.71	Peak	270.00	300	Vertical	Pass
4**	7490.750	43.53	1.51	54.0	10.47	AV	270.00	300	Vertical	Pass
5	12403.488	53.16	1.10	74.0	20.84	Peak	34.00	200	Vertical	Pass
5**	12403.488	42.80	1.10	54.0	11.20	AV	34.00	200	Vertical	Pass
6	16132.575	54.85	2.01	74.0	19.15	Peak	324.00	400	Vertical	Pass
6**	16132.575	45.10	2.01	54.0	8.90	AV	324.00	400	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	1545.000	38.26	-17.06	74.0	35.74	Peak	310.00	200	Horizontal	Pass
1**	1545.000	28.96	-17.06	54.0	25.04	AV	310.00	200	Horizontal	Pass
2	4263.750	47.13	-4.69	74.0	26.87	Peak	169.00	300	Horizontal	Pass
2**	4263.750	37.69	-4.69	54.0	16.31	AV	169.00	300	Horizontal	Pass
3	5498.750	102.80	-2.54	--	--	Peak	278.00	150	Horizontal	N/A
3**	5498.750	95.50	-2.54	--	--	AV	278.00	150	Horizontal	N/A
4	7706.250	52.85	1.54	74.0	21.15	Peak	125.00	200	Horizontal	Pass
4**	7706.250	44.05	1.54	54.0	9.95	AV	125.00	200	Horizontal	Pass
5	11791.213	52.34	-0.15	74.0	21.66	Peak	126.00	150	Horizontal	Pass
5**	11791.213	43.52	-0.15	54.0	10.48	AV	126.00	150	Horizontal	Pass
6	16123.388	54.80	1.94	74.0	19.20	Peak	360.00	200	Horizontal	Pass
6**	16123.388	46.23	1.94	54.0	7.77	AV	360.00	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	1489.600	38.29	-17.12	74.0	35.71	Peak	200.00	100	Vertical	Pass
1**	1489.600	28.16	-17.12	54.0	25.84	AV	200.00	100	Vertical	Pass
2	4292.000	47.61	-4.60	74.0	26.39	Peak	236.00	400	Vertical	Pass
2**	4292.000	38.13	-4.60	54.0	15.87	AV	236.00	400	Vertical	Pass
3	5499.000	94.54	-2.62	--	--	Peak	134.00	200	Vertical	N/A
3**	5499.000	87.01	-2.62	--	--	AV	134.00	200	Vertical	N/A
4	7686.500	53.76	1.12	74.0	20.24	Peak	134.00	300	Vertical	Pass
4**	7686.500	44.03	1.12	54.0	9.97	AV	134.00	300	Vertical	Pass
5	11764.138	53.32	-0.18	74.0	20.68	Peak	92.00	150	Vertical	Pass
5**	11764.138	43.54	-0.18	54.0	10.46	AV	92.00	150	Vertical	Pass
6	15920.737	55.16	1.67	74.0	18.84	Peak	194.00	300	Vertical	Pass
6**	15920.737	44.57	1.67	54.0	9.43	AV	194.00	300	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	1612.000	38.37	-16.84	74.0	35.63	Peak	0.00	400	Horizontal	Pass
1**	1612.000	29.98	-16.84	54.0	24.02	AV	0.00	400	Horizontal	Pass
2	3990.750	47.28	-5.85	74.0	26.72	Peak	95.00	100	Horizontal	Pass
2**	3990.750	36.94	-5.85	54.0	17.06	AV	95.00	100	Horizontal	Pass
3	5578.500	103.16	-2.10	--	--	Peak	271.00	100	Horizontal	N/A
3**	5578.500	95.67	-2.10	--	--	AV	271.00	100	Horizontal	N/A
4	7709.250	53.23	1.90	74.0	20.77	Peak	22.00	300	Horizontal	Pass
4**	7709.250	45.17	1.90	54.0	8.83	AV	22.00	300	Horizontal	Pass
5	12001.162	52.89	0.45	74.0	21.11	Peak	294.00	100	Horizontal	Pass
5**	12001.162	44.04	0.45	54.0	9.96	AV	294.00	100	Horizontal	Pass
6	15872.437	54.80	1.82	74.0	19.20	Peak	347.00	100	Horizontal	Pass
6**	15872.437	45.09	1.82	54.0	8.91	AV	347.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1624.700	38.07	-16.98	74.0	35.93	Peak	172.00	400	Vertical	Pass
1**	1624.700	28.23	-16.98	54.0	25.77	AV	172.00	400	Vertical	Pass
2	4324.500	47.18	-4.97	74.0	26.82	Peak	131.00	400	Vertical	Pass
2**	4324.500	37.30	-4.97	54.0	16.70	AV	131.00	400	Vertical	Pass
3	5581.250	95.48	-1.94	--	--	Peak	131.00	100	Vertical	N/A
3**	5581.250	87.76	-1.94	--	--	AV	131.00	100	Vertical	N/A
4	7488.000	53.79	1.53	74.0	20.21	Peak	360.00	200	Vertical	Pass
4**	7488.000	44.72	1.53	54.0	9.28	AV	360.00	200	Vertical	Pass
5	11794.775	52.76	-0.15	74.0	21.24	Peak	296.00	200	Vertical	Pass
5**	11794.775	43.60	-0.15	54.0	10.40	AV	296.00	200	Vertical	Pass
6	16085.850	54.53	1.56	74.0	19.47	Peak	309.00	100	Vertical	Pass
6**	16085.850	45.55	1.56	54.0	8.45	AV	309.00	100	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	1464.700	38.18	-17.07	74.0	35.82	Peak	47.00	200	Horizontal	Pass
1**	1464.700	28.59	-17.07	54.0	25.41	AV	47.00	200	Horizontal	Pass
2	4221.250	46.74	-5.26	74.0	27.26	Peak	264.00	100	Horizontal	Pass
2**	4221.250	36.87	-5.26	54.0	17.13	AV	264.00	100	Horizontal	Pass
3	5701.000	100.67	-2.25	--	--	Peak	264.00	200	Horizontal	N/A
3**	5701.000	93.08	-2.25	--	--	AV	264.00	200	Horizontal	N/A
4	7473.500	53.13	0.27	74.0	20.87	Peak	64.00	100	Horizontal	Pass
4**	7473.500	43.63	0.27	54.0	10.37	AV	64.00	100	Horizontal	Pass
5	12455.262	53.05	1.08	74.0	20.95	Peak	196.00	200	Horizontal	Pass
5**	12455.262	44.14	1.08	54.0	9.86	AV	196.00	200	Horizontal	Pass
6	15652.200	54.95	2.12	74.0	19.05	Peak	197.00	400	Horizontal	Pass
6**	15652.200	44.71	2.12	54.0	9.29	AV	197.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1612.500	38.54	-16.78	74.0	35.46	Peak	57.00	300	Vertical	Pass
1**	1612.500	29.40	-16.78	54.0	24.60	AV	57.00	300	Vertical	Pass
2	4249.500	47.03	-4.35	74.0	26.97	Peak	163.00	300	Vertical	Pass
2**	4249.500	38.11	-4.35	54.0	15.89	AV	163.00	300	Vertical	Pass
3	5695.250	94.89	-2.17	--	--	Peak	122.00	100	Vertical	N/A
3**	5695.250	86.69	-2.17	--	--	AV	122.00	100	Vertical	N/A
4	7686.500	53.84	1.12	74.0	20.16	Peak	325.00	300	Vertical	Pass
4**	7686.500	43.92	1.12	54.0	10.08	AV	325.00	300	Vertical	Pass
5	12174.537	52.95	0.18	74.0	21.05	Peak	301.00	150	Vertical	Pass
5**	12174.537	42.74	0.18	54.0	11.26	AV	301.00	150	Vertical	Pass
6	16127.849	55.47	1.97	74.0	18.53	Peak	83.00	400	Vertical	Pass
6**	16127.849	45.50	1.97	54.0	8.50	AV	83.00	400	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	1613.300	39.05	-16.72	74.0	34.95	Peak	194.00	300	Horizontal	Pass
1**	1613.300	30.16	-16.72	54.0	23.84	AV	194.00	300	Horizontal	Pass
2	4194.000	47.13	-5.27	74.0	26.87	Peak	72.00	400	Horizontal	Pass
2**	4194.000	37.72	-5.27	54.0	16.28	AV	72.00	400	Horizontal	Pass
3	5743.250	102.25	-2.09	--	--	Peak	265.00	150	Horizontal	N/A
3**	5743.250	95.12	-2.09	--	--	AV	265.00	150	Horizontal	N/A
4	7702.250	53.36	1.52	74.0	20.64	Peak	265.00	200	Horizontal	Pass
4**	7702.250	44.84	1.52	54.0	9.16	AV	265.00	200	Horizontal	Pass
5	12207.075	52.95	0.50	74.0	21.05	Peak	86.00	150	Horizontal	Pass
5**	12207.075	43.46	0.50	54.0	10.54	AV	86.00	150	Horizontal	Pass
6	16101.862	54.86	1.77	74.0	19.14	Peak	217.00	300	Horizontal	Pass
6**	16101.862	45.05	1.77	54.0	8.95	AV	217.00	300	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	1574.700	37.89	-16.87	74.0	36.11	Peak	0.00	200	Vertical	Pass
1**	1574.700	28.09	-16.87	54.0	25.91	AV	0.00	200	Vertical	Pass
2	4007.000	47.13	-5.93	74.0	26.87	Peak	145.00	100	Vertical	Pass
2**	4007.000	38.10	-5.93	54.0	15.90	AV	145.00	100	Vertical	Pass
3	5747.000	96.27	-2.01	--	--	Peak	120.00	100	Vertical	N/A
3**	5747.000	88.52	-2.01	--	--	AV	120.00	100	Vertical	N/A
4	7713.750	53.39	1.83	74.0	20.61	Peak	0.00	100	Vertical	Pass
4**	7713.750	44.17	1.83	54.0	9.83	AV	0.00	100	Vertical	Pass
5	11751.312	53.15	-0.19	74.0	20.85	Peak	28.00	200	Vertical	Pass
5**	11751.312	43.31	-0.19	54.0	10.69	AV	28.00	200	Vertical	Pass
6	15898.951	56.01	2.02	74.0	17.99	Peak	196.00	100	Vertical	Pass
6**	15898.951	45.58	2.02	54.0	8.42	AV	196.00	100	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	1592.800	38.30	-16.59	74.0	35.70	Peak	332.00	300	Horizontal	Pass
1**	1592.800	28.72	-16.59	54.0	25.28	AV	332.00	300	Horizontal	Pass
2	4249.750	48.11	-4.27	74.0	25.89	Peak	288.00	300	Horizontal	Pass
2**	4249.750	38.04	-4.27	54.0	15.96	AV	288.00	300	Horizontal	Pass
3	5786.750	101.70	-2.38	--	--	Peak	288.00	200	Horizontal	N/A
3**	5786.750	93.61	-2.38	--	--	AV	288.00	200	Horizontal	N/A
4	7420.250	53.42	1.47	74.0	20.58	Peak	339.00	100	Horizontal	Pass
4**	7420.250	44.35	1.47	54.0	9.65	AV	339.00	100	Horizontal	Pass
5	11767.224	52.83	-0.18	74.0	21.17	Peak	181.00	150	Horizontal	Pass
5**	11767.224	43.87	-0.18	54.0	10.13	AV	181.00	150	Horizontal	Pass
6	15907.350	54.80	1.90	74.0	19.20	Peak	268.00	400	Horizontal	Pass
6**	15907.350	45.97	1.90	54.0	8.03	AV	268.00	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	1613.900	38.51	-16.70	74.0	35.49	Peak	329.00	200	Vertical	Pass
1**	1613.900	28.92	-16.70	54.0	25.08	AV	329.00	200	Vertical	Pass
2	4319.250	47.56	-5.02	74.0	26.44	Peak	13.00	400	Vertical	Pass
2**	4319.250	38.50	-5.02	54.0	15.50	AV	13.00	400	Vertical	Pass
3	5786.250	97.29	-2.30	--	--	Peak	129.00	200	Vertical	N/A
3**	5786.250	89.19	-2.30	--	--	AV	129.00	200	Vertical	N/A
4	7516.500	53.09	0.16	74.0	20.91	Peak	81.00	300	Vertical	Pass
4**	7516.500	42.97	0.16	54.0	11.03	AV	81.00	300	Vertical	Pass
5	12515.112	52.79	1.35	74.0	21.21	Peak	86.00	100	Vertical	Pass
5**	12515.112	43.12	1.35	54.0	10.88	AV	86.00	100	Vertical	Pass
6	15664.538	55.09	1.99	74.0	18.91	Peak	197.00	200	Vertical	Pass
6**	15664.538	44.49	1.99	54.0	9.51	AV	197.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1609.500	38.77	-16.96	74.0	35.23	Peak	178.00	400	Horizontal	Pass
1**	1609.500	29.01	-16.96	54.0	24.99	AV	178.00	400	Horizontal	Pass
2	4382.250	47.39	-5.24	74.0	26.61	Peak	36.00	400	Horizontal	Pass
2**	4382.250	38.20	-5.24	54.0	15.80	AV	36.00	400	Horizontal	Pass
3	5823.500	97.11	-2.77	--	--	Peak	302.00	150	Horizontal	N/A
3**	5823.500	89.07	-2.77	--	--	AV	302.00	150	Horizontal	N/A
4	7716.500	54.25	1.23	74.0	19.75	Peak	360.00	100	Horizontal	Pass
4**	7716.500	43.95	1.23	54.0	10.05	AV	360.00	100	Horizontal	Pass
5	12393.513	53.08	1.07	74.0	20.92	Peak	279.00	150	Horizontal	Pass
5**	12393.513	43.18	1.07	54.0	10.82	AV	279.00	150	Horizontal	Pass
6	16113.937	54.84	1.86	74.0	19.16	Peak	4.00	100	Horizontal	Pass
6**	16113.937	45.07	1.86	54.0	8.93	AV	4.00	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	1456.300	38.52	-17.01	74.0	35.48	Peak	41.00	100	Vertical	Pass
1**	1456.300	29.87	-17.01	54.0	24.13	AV	41.00	100	Vertical	Pass
2	4280.250	47.37	-4.62	74.0	26.63	Peak	37.00	400	Vertical	Pass
2**	4280.250	37.98	-4.62	54.0	16.02	AV	37.00	400	Vertical	Pass
3	5823.750	96.69	-2.78	--	--	Peak	159.00	200	Vertical	N/A
3**	5823.750	89.36	-2.78	--	--	AV	159.00	200	Vertical	N/A
4	7509.500	53.43	0.24	74.0	20.57	Peak	360.00	300	Vertical	Pass
4**	7509.500	43.49	0.24	54.0	10.51	AV	360.00	300	Vertical	Pass
5	12504.188	53.44	1.41	74.0	20.56	Peak	143.00	150	Vertical	Pass
5**	12504.188	44.08	1.41	54.0	9.92	AV	143.00	150	Vertical	Pass
6	16035.974	54.17	1.14	74.0	19.83	Peak	108.00	300	Vertical	Pass
6**	16035.974	44.98	1.14	54.0	9.02	AV	108.00	300	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	1530.800	38.81	-16.97	74.0	35.19	Peak	104.00	100	Horizontal	Pass
1**	1530.800	28.52	-16.97	54.0	25.48	AV	104.00	100	Horizontal	Pass
2	4376.500	47.66	-5.30	74.0	26.34	Peak	0.00	300	Horizontal	Pass
2**	4376.500	38.01	-5.30	54.0	15.99	AV	0.00	300	Horizontal	Pass
3	5746.750	102.33	-2.01	--	--	Peak	276.00	100	Horizontal	N/A
3**	5746.750	94.73	-2.01	--	--	AV	276.00	100	Horizontal	N/A
4	7676.250	53.19	0.76	74.0	20.81	Peak	0.00	300	Horizontal	Pass
4**	7676.250	43.50	0.76	54.0	10.50	AV	0.00	300	Horizontal	Pass
5	12251.250	52.65	1.09	74.0	21.35	Peak	67.00	200	Horizontal	Pass
5**	12251.250	43.56	1.09	54.0	10.44	AV	67.00	200	Horizontal	Pass
6	16057.238	55.08	1.19	74.0	18.92	Peak	293.00	200	Horizontal	Pass
6**	16057.238	45.06	1.19	54.0	8.94	AV	293.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1438.000	38.31	-17.26	74.0	35.69	Peak	287.00	200	Vertical	Pass
1**	1438.000	28.92	-17.26	54.0	25.08	AV	287.00	200	Vertical	Pass
2	4177.750	47.12	-5.32	74.0	26.88	Peak	360.00	300	Vertical	Pass
2**	4177.750	37.39	-5.32	54.0	16.61	AV	360.00	300	Vertical	Pass
3	5747.250	97.06	-2.05	--	--	Peak	128.00	200	Vertical	N/A
3**	5747.250	89.13	-2.05	--	--	AV	128.00	200	Vertical	N/A
4	7707.250	53.01	1.56	74.0	20.99	Peak	319.00	200	Vertical	Pass
4**	7707.250	44.11	1.56	54.0	9.89	AV	319.00	200	Vertical	Pass
5	12113.025	52.95	-0.15	74.0	21.05	Peak	2.00	200	Vertical	Pass
5**	12113.025	41.99	-0.15	54.0	12.01	AV	2.00	200	Vertical	Pass
6	15933.075	54.99	1.45	74.0	19.01	Peak	111.00	200	Vertical	Pass
6**	15933.075	44.92	1.45	54.0	9.08	AV	111.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1617.900	37.94	-16.93	74.0	36.06	Peak	64.00	400	Horizontal	Pass
1**	1617.900	28.91	-16.93	54.0	25.09	AV	64.00	400	Horizontal	Pass
2	4194.250	47.14	-5.33	74.0	26.86	Peak	16.00	100	Horizontal	Pass
2**	4194.250	37.55	-5.33	54.0	16.45	AV	16.00	100	Horizontal	Pass
3	5786.000	101.00	-2.41	--	--	Peak	281.00	100	Horizontal	N/A
3**	5786.000	93.92	-2.41	--	--	AV	281.00	100	Horizontal	N/A
4	7708.750	53.74	1.82	74.0	20.26	Peak	237.00	200	Horizontal	Pass
4**	7708.750	44.82	1.82	54.0	9.18	AV	237.00	200	Horizontal	Pass
5	12257.662	52.80	1.02	74.0	21.20	Peak	358.00	200	Horizontal	Pass
5**	12257.662	43.46	1.02	54.0	10.54	AV	358.00	200	Horizontal	Pass
6	16106.849	54.88	1.81	74.0	19.12	Peak	91.00	400	Horizontal	Pass
6**	16106.849	46.36	1.81	54.0	7.64	AV	91.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1511.700	38.78	-16.71	74.0	35.22	Peak	360.00	400	Vertical	Pass
1**	1511.700	30.28	-16.71	54.0	23.72	AV	360.00	400	Vertical	Pass
2	4260.500	48.05	-4.43	74.0	25.95	Peak	103.00	200	Vertical	Pass
2**	4260.500	38.54	-4.43	54.0	15.46	AV	103.00	200	Vertical	Pass
3	5783.750	96.77	-2.79	--	--	Peak	125.00	100	Vertical	N/A
3**	5783.750	89.14	-2.79	--	--	AV	125.00	100	Vertical	N/A
4	7490.000	53.40	1.37	74.0	20.60	Peak	0.00	100	Vertical	Pass
4**	7490.000	43.32	1.37	54.0	10.68	AV	0.00	100	Vertical	Pass
5	12262.175	53.51	0.97	74.0	20.49	Peak	42.00	200	Vertical	Pass
5**	12262.175	44.29	0.97	54.0	9.71	AV	42.00	200	Vertical	Pass
6	16128.375	54.72	1.98	74.0	19.28	Peak	139.00	200	Vertical	Pass
6**	16128.375	45.99	1.98	54.0	8.01	AV	139.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1575.000	38.65	-16.83	74.0	35.35	Peak	279.00	100	Horizontal	Pass
1**	1575.000	28.23	-16.83	54.0	25.77	AV	279.00	100	Horizontal	Pass
2	4264.250	47.00	-4.83	74.0	27.00	Peak	76.00	100	Horizontal	Pass
2**	4264.250	37.58	-4.83	54.0	16.42	AV	76.00	100	Horizontal	Pass
3	5822.250	100.59	-2.34	--	--	Peak	295.00	200	Horizontal	N/A
3**	5822.250	92.55	-2.34	--	--	AV	295.00	200	Horizontal	N/A
4	7683.000	53.74	0.66	74.0	20.26	Peak	360.00	300	Horizontal	Pass
4**	7683.000	43.88	0.66	54.0	10.12	AV	360.00	300	Horizontal	Pass
5	11805.463	53.17	-0.21	74.0	20.83	Peak	169.00	200	Horizontal	Pass
5**	11805.463	43.60	-0.21	54.0	10.40	AV	169.00	200	Horizontal	Pass
6	15892.388	54.34	1.97	74.0	19.66	Peak	28.00	300	Horizontal	Pass
6**	15892.388	44.98	1.97	54.0	9.02	AV	28.00	300	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	1616.100	38.72	-16.75	74.0	35.28	Peak	274.00	300	Vertical	Pass
1**	1616.100	29.42	-16.75	54.0	24.58	AV	274.00	300	Vertical	Pass
2	4255.500	47.40	-3.95	74.0	26.60	Peak	0.00	300	Vertical	Pass
2**	4255.500	37.80	-3.95	54.0	16.20	AV	0.00	300	Vertical	Pass
3	5826.750	96.11	-2.49	--	--	Peak	164.00	200	Vertical	N/A
3**	5826.750	87.98	-2.49	--	--	AV	164.00	200	Vertical	N/A
4	7708.500	54.06	1.84	74.0	19.94	Peak	43.00	100	Vertical	Pass
4**	7708.500	44.76	1.84	54.0	9.24	AV	43.00	100	Vertical	Pass
5	11652.275	53.00	-1.31	74.0	21.00	Peak	45.00	150	Vertical	Pass
5**	11652.275	43.63	-1.31	54.0	10.37	AV	45.00	150	Vertical	Pass
6	16101.599	55.65	1.76	74.0	18.35	Peak	283.00	200	Vertical	Pass
6**	16101.599	45.80	1.76	54.0	8.20	AV	283.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1612.500	38.11	-16.78	74.0	35.89	Peak	18.00	100	Horizontal	Pass
1**	1612.500	29.31	-16.78	54.0	24.69	AV	18.00	100	Horizontal	Pass
2	4286.750	47.14	-4.57	74.0	26.86	Peak	342.00	300	Horizontal	Pass
2**	4286.750	37.82	-4.57	54.0	16.18	AV	342.00	300	Horizontal	Pass
3	5746.750	102.27	-2.01	--	--	Peak	248.00	200	Horizontal	N/A
3**	5746.750	94.76	-2.01	--	--	AV	248.00	200	Horizontal	N/A
4	7704.000	53.15	1.37	74.0	20.85	Peak	90.00	200	Horizontal	Pass
4**	7704.000	43.88	1.37	54.0	10.12	AV	90.00	200	Horizontal	Pass
5	12440.063	53.27	1.05	74.0	20.73	Peak	165.00	150	Horizontal	Pass
5**	12440.063	43.29	1.05	54.0	10.71	AV	165.00	150	Horizontal	Pass
6	15422.513	54.47	2.51	74.0	19.53	Peak	205.00	200	Horizontal	Pass
6**	15422.513	44.12	2.51	54.0	9.88	AV	205.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1454.500	38.39	-17.02	74.0	35.61	Peak	234.00	300	Vertical	Pass
1**	1454.500	29.44	-17.02	54.0	24.56	AV	234.00	300	Vertical	Pass
2	4348.500	47.10	-4.65	74.0	26.90	Peak	0.00	200	Vertical	Pass
2**	4348.500	38.09	-4.65	54.0	15.91	AV	0.00	200	Vertical	Pass
3	5746.750	97.11	-2.01	--	--	Peak	135.00	150	Vertical	N/A
3**	5746.750	88.84	-2.01	--	--	AV	135.00	150	Vertical	N/A
4	7709.750	53.20	1.76	74.0	20.80	Peak	0.00	200	Vertical	Pass
4**	7709.750	44.75	1.76	54.0	9.25	AV	0.00	200	Vertical	Pass
5	11801.425	52.87	-0.16	74.0	21.13	Peak	164.00	100	Vertical	Pass
5**	11801.425	43.56	-0.16	54.0	10.44	AV	164.00	100	Vertical	Pass
6	16124.438	54.76	1.95	74.0	19.24	Peak	122.00	300	Vertical	Pass
6**	16124.438	46.18	1.95	54.0	7.82	AV	122.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1600.700	38.58	-16.99	74.0	35.42	Peak	283.00	400	Horizontal	Pass
1**	1600.700	29.41	-16.99	54.0	24.59	AV	283.00	400	Horizontal	Pass
2	4279.750	47.40	-4.66	74.0	26.60	Peak	192.00	300	Horizontal	Pass
2**	4279.750	37.90	-4.66	54.0	16.10	AV	192.00	300	Horizontal	Pass
3	5786.500	101.17	-2.25	--	--	Peak	282.00	100	Horizontal	N/A
3**	5786.500	94.26	-2.25	--	--	AV	282.00	100	Horizontal	N/A
4	7685.250	53.60	0.86	74.0	20.40	Peak	238.00	100	Horizontal	Pass
4**	7685.250	43.76	0.86	54.0	10.24	AV	238.00	100	Horizontal	Pass
5	12202.563	52.93	0.44	74.0	21.07	Peak	56.00	100	Horizontal	Pass
5**	12202.563	43.99	0.44	54.0	10.01	AV	56.00	100	Horizontal	Pass
6	15407.025	54.64	2.82	74.0	19.36	Peak	21.00	200	Horizontal	Pass
6**	15407.025	44.66	2.82	54.0	9.34	AV	21.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1478.600	38.49	-16.97	74.0	35.51	Peak	124.00	200	Vertical	Pass
1**	1478.600	28.00	-16.97	54.0	26.00	AV	124.00	200	Vertical	Pass
2	4245.250	47.48	-4.33	74.0	26.52	Peak	127.00	400	Vertical	Pass
2**	4245.250	37.63	-4.33	54.0	16.37	AV	127.00	400	Vertical	Pass
3	5784.250	96.84	-2.76	--	--	Peak	127.00	200	Vertical	N/A
3**	5784.250	89.28	-2.76	--	--	AV	127.00	200	Vertical	N/A
4	7714.750	53.04	1.62	74.0	20.96	Peak	34.00	200	Vertical	Pass
4**	7714.750	44.48	1.62	54.0	9.52	AV	34.00	200	Vertical	Pass
5	12009.713	52.57	0.34	74.0	21.43	Peak	323.00	200	Vertical	Pass
5**	12009.713	42.82	0.34	54.0	11.18	AV	323.00	200	Vertical	Pass
6	16136.776	54.46	2.05	74.0	19.54	Peak	339.00	100	Vertical	Pass
6**	16136.776	46.74	2.05	54.0	7.26	AV	339.00	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	1571.500	38.76	-17.03	74.0	35.24	Peak	1.00	400	Horizontal	Pass
1**	1571.500	29.88	-17.03	54.0	24.12	AV	1.00	400	Horizontal	Pass
2	4314.000	46.68	-4.99	74.0	27.32	Peak	106.00	400	Horizontal	Pass
2**	4314.000	37.97	-4.99	54.0	16.03	AV	106.00	400	Horizontal	Pass
3	5823.000	99.99	-2.53	--	--	Peak	286.00	100	Horizontal	N/A
3**	5823.000	92.78	-2.53	--	--	AV	286.00	100	Horizontal	N/A
4	7599.500	54.21	1.09	74.0	19.79	Peak	332.00	200	Horizontal	Pass
4**	7599.500	43.82	1.09	54.0	10.18	AV	332.00	200	Horizontal	Pass
5	11653.224	54.15	-1.29	74.0	19.85	Peak	327.00	150	Horizontal	Pass
5**	11653.224	44.53	-1.29	54.0	9.47	AV	327.00	150	Horizontal	Pass
6	15902.625	54.51	1.98	74.0	19.49	Peak	227.00	200	Horizontal	Pass
6**	15902.625	46.02	1.98	54.0	7.98	AV	227.00	200	Horizontal	Pass

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

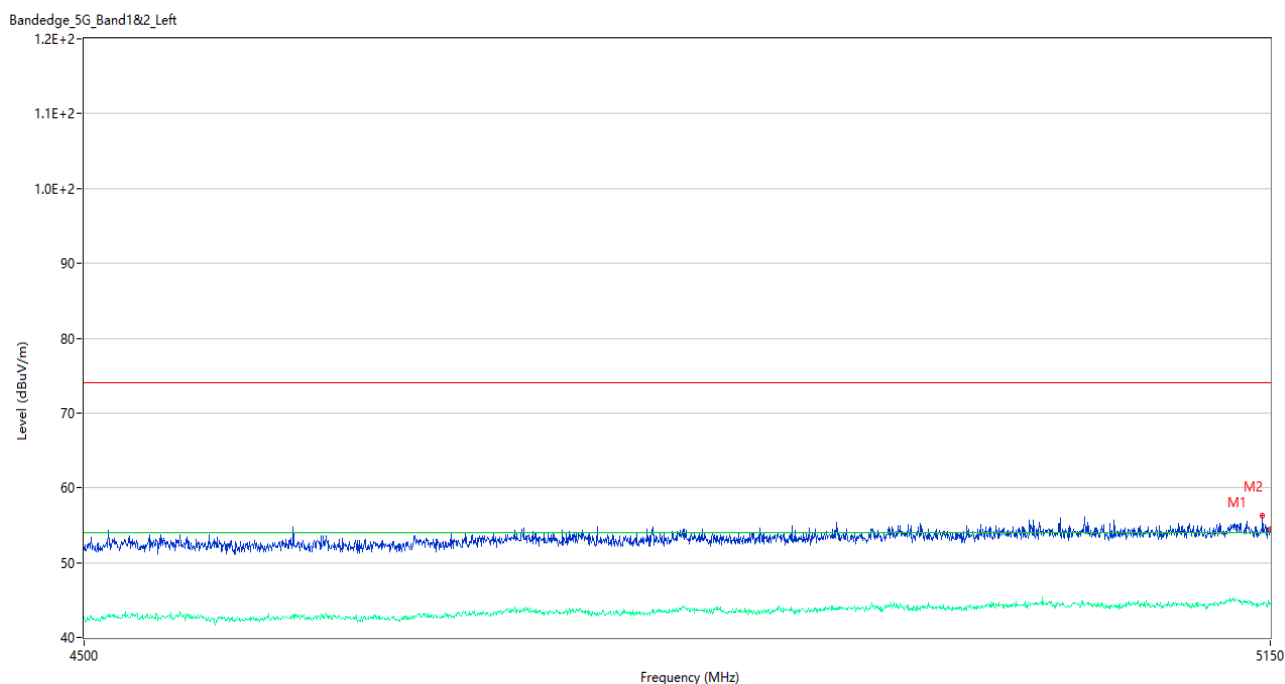
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1619.000	38.33	-16.86	74.0	35.67	Peak	254.00	200	Vertical	Pass
1**	1619.000	29.69	-16.86	54.0	24.31	AV	254.00	200	Vertical	Pass
2	4257.000	46.98	-4.04	74.0	27.02	Peak	280.00	100	Vertical	Pass
2**	4257.000	38.04	-4.04	54.0	15.96	AV	280.00	100	Vertical	Pass
3	5827.000	95.66	-2.45	--	--	Peak	154.00	200	Vertical	N/A
3**	5827.000	88.04	-2.45	--	--	AV	154.00	200	Vertical	N/A
4	7425.250	53.40	1.41	74.0	20.60	Peak	154.00	300	Vertical	Pass
4**	7425.250	44.23	1.41	54.0	9.77	AV	154.00	300	Vertical	Pass
5	11648.000	53.44	-1.32	74.0	20.56	Peak	20.00	150	Vertical	Pass
5**	11648.000	44.15	-1.32	54.0	9.85	AV	20.00	150	Vertical	Pass
6	16123.388	55.61	1.94	74.0	18.39	Peak	252.00	200	Vertical	Pass
6**	16123.388	45.45	1.94	54.0	8.55	AV	252.00	200	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
	802.11ac(VHT20)	Low	Pass
		High	Pass
U-NII-2A	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	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
	802.11ac(VHT20)	Low	Pass
		High	Pass
U-NII-3	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass

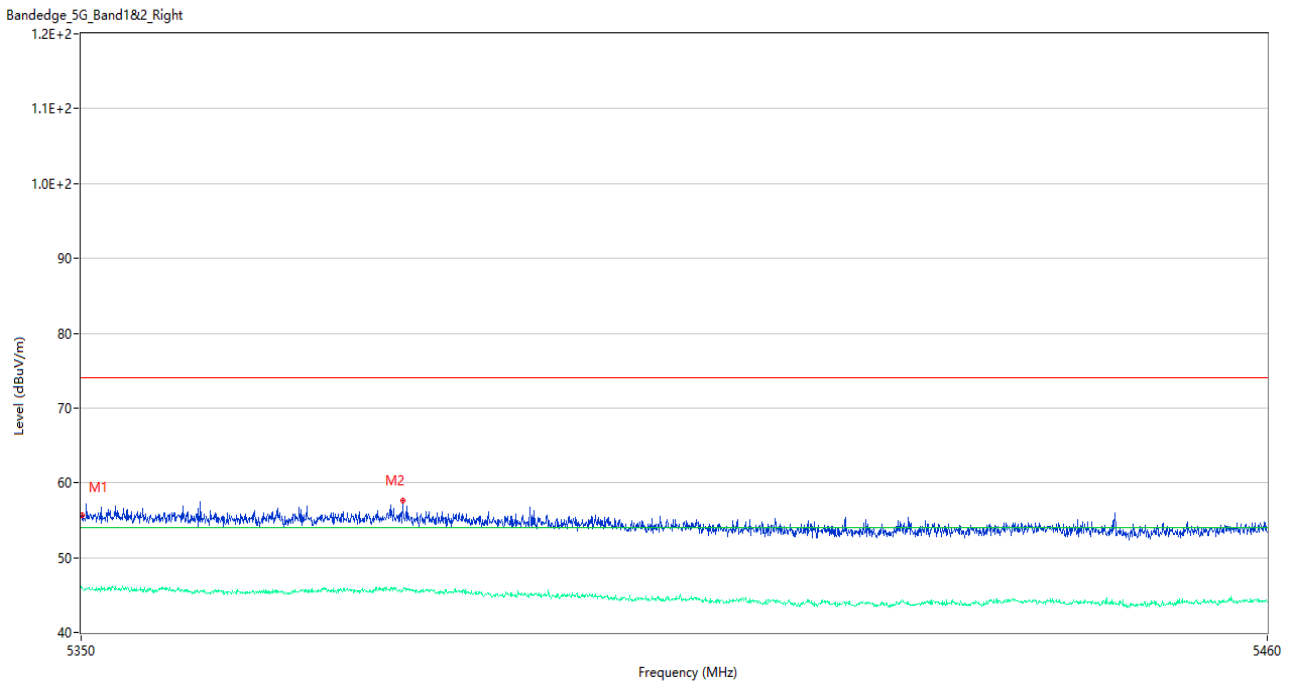
Test Data and Plots

U-NII-1 11a Low Channel



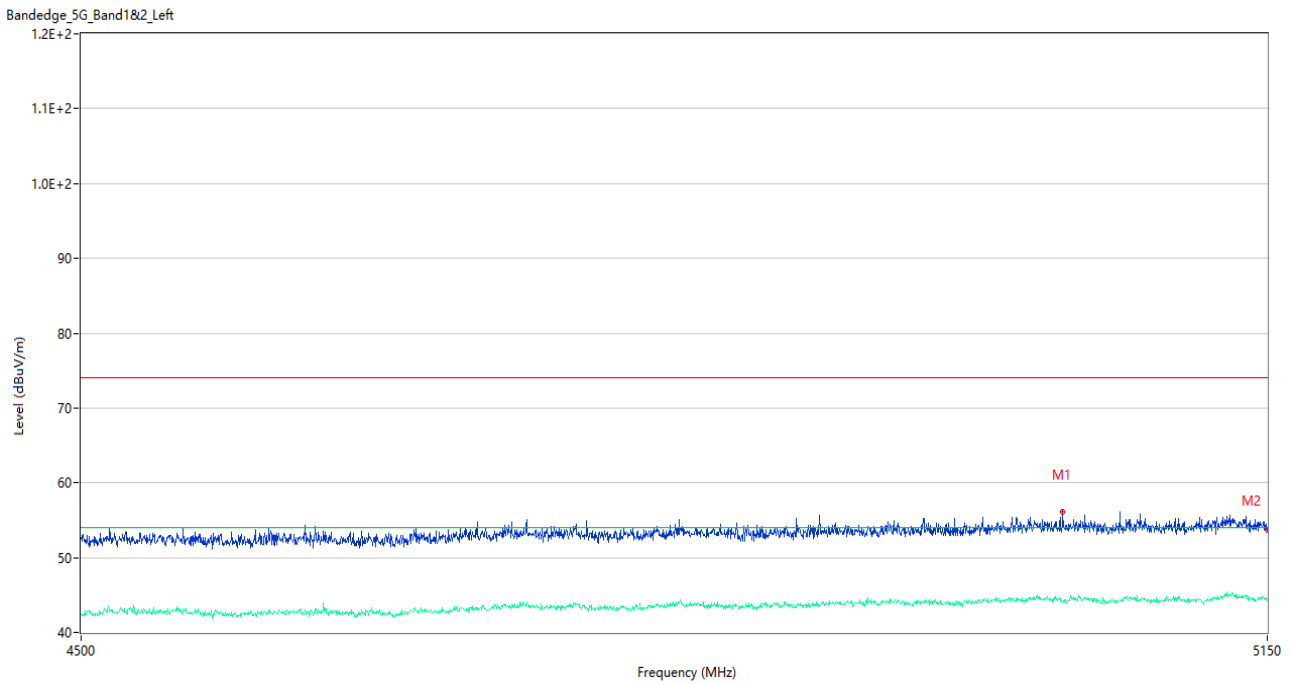
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5145.450	56.31	3.01	74.0	17.69	Peak	295.00	150	Horizontal	Pass
1**	5145.450	44.48	3.01	54.0	9.52	AV	295.00	150	Horizontal	Pass
2	5150.000	54.43	2.86	74.0	19.57	Peak	239.00	100	Horizontal	Pass
2**	5150.000	44.52	2.86	54.0	9.48	AV	239.00	100	Horizontal	Pass

U-NII-1 11a High Channel



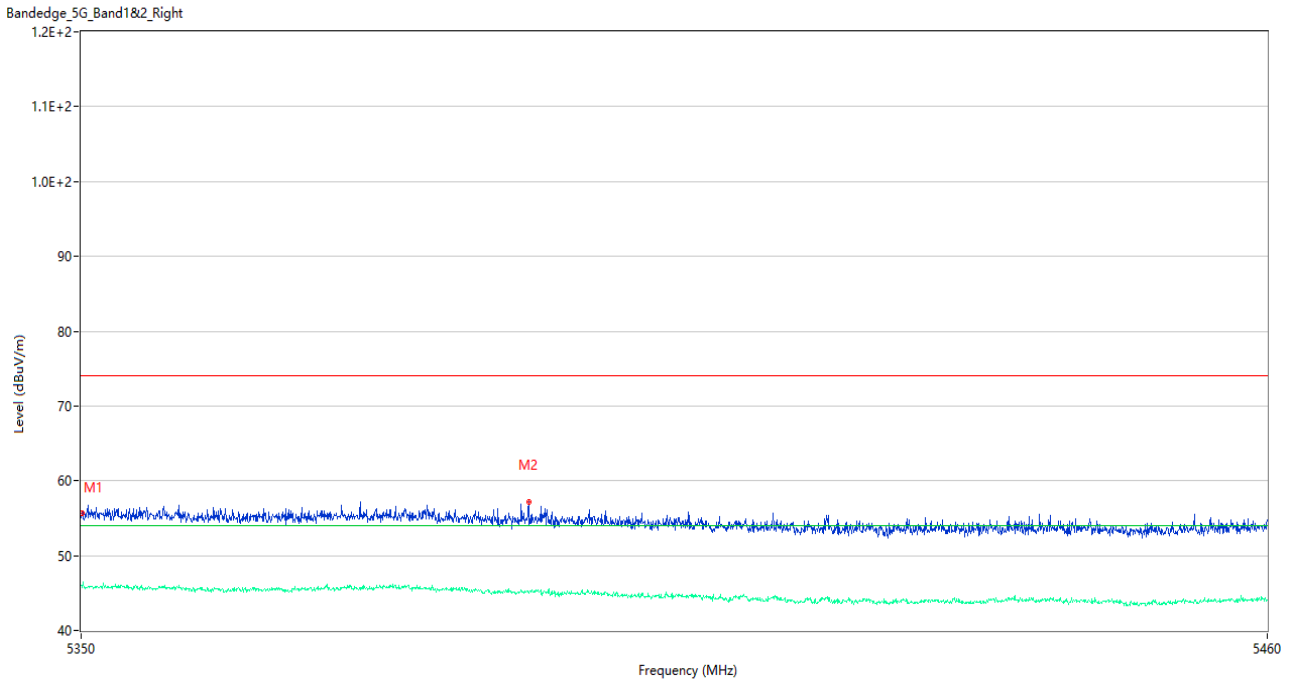
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	55.69	3.30	74.0	18.31	Peak	127.00	200	Horizontal	Pass
1**	5350.055	45.85	3.30	54.0	8.15	AV	127.00	200	Horizontal	Pass
2	5379.590	57.61	3.14	74.0	16.39	Peak	150.00	200	Horizontal	Pass
2**	5379.590	45.60	3.14	54.0	8.40	AV	150.00	200	Horizontal	Pass

U-NII-1 11n20 Low Channel



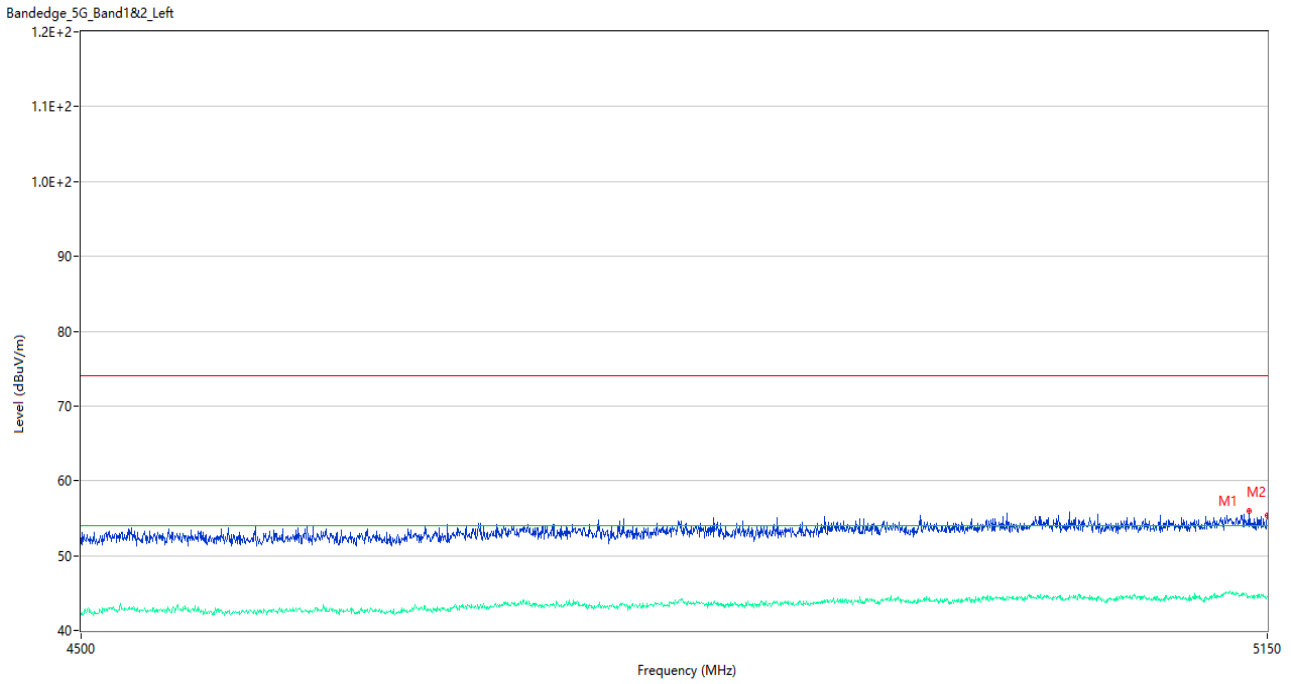
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5031.700	56.16	2.47	74.0	17.84	Peak	119.00	100	Horizontal	Pass
1**	5031.700	44.06	2.47	54.0	9.94	AV	119.00	100	Horizontal	Pass
2	5150.000	53.78	2.86	74.0	20.22	Peak	69.00	150	Horizontal	Pass
2**	5150.000	44.27	2.86	54.0	9.73	AV	69.00	150	Horizontal	Pass

U-NII-1 11n20 High Channel



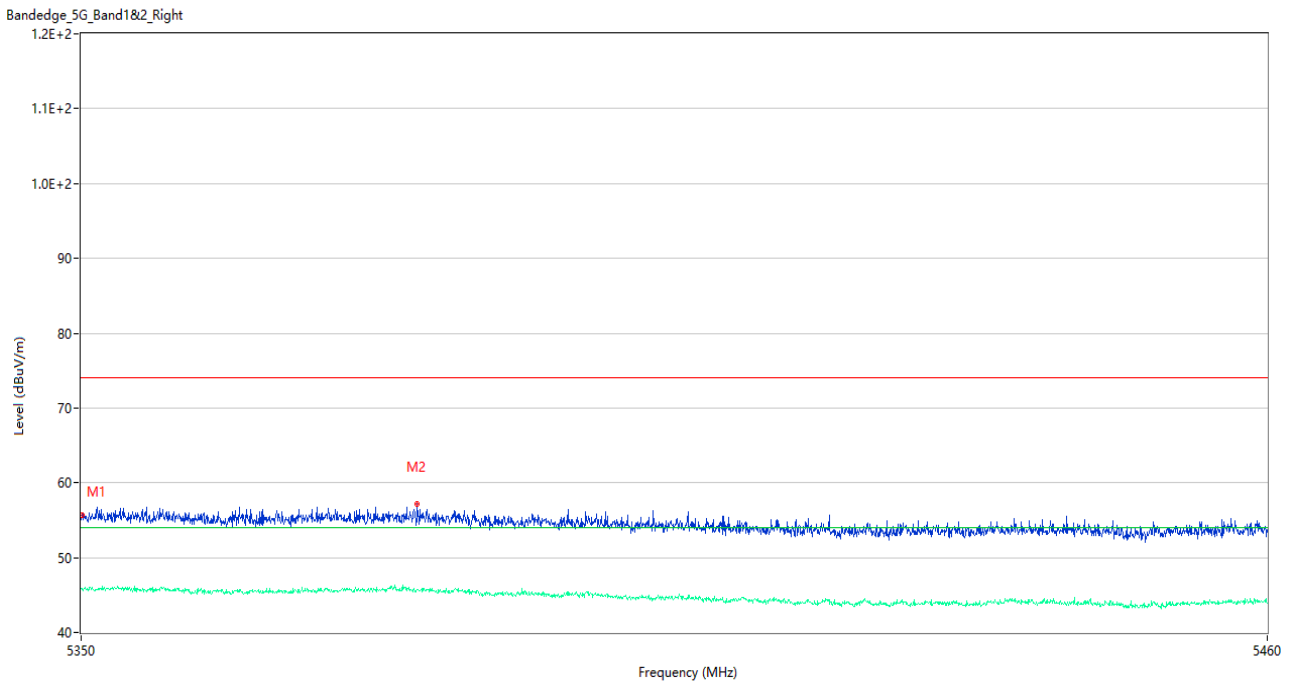
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	55.69	3.30	74.0	18.31	Peak	246.00	150	Horizontal	Pass
1**	5350.055	45.81	3.30	54.0	8.19	AV	246.00	150	Horizontal	Pass
2	5391.250	57.19	2.89	74.0	16.81	Peak	8.00	200	Horizontal	Pass
2**	5391.250	44.99	2.89	54.0	9.01	AV	8.00	200	Horizontal	Pass

U-NII-1 11ac20 Low Channel



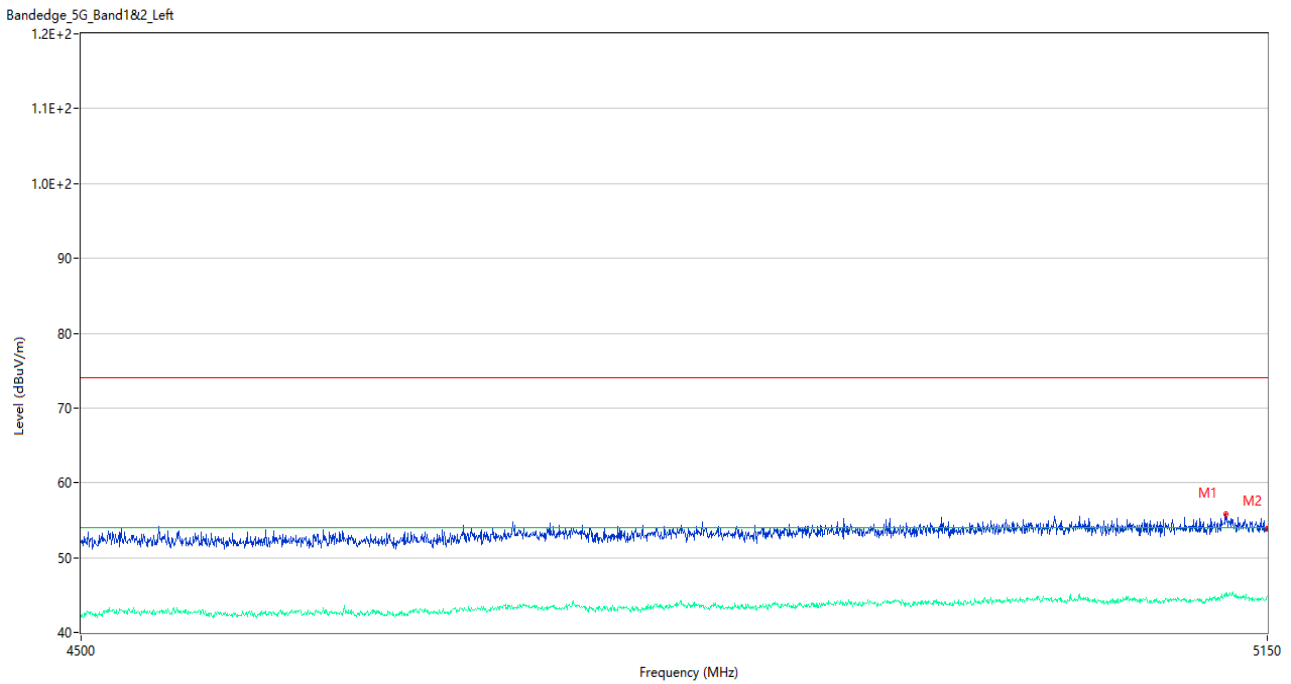
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5139.600	55.98	2.71	74.0	18.02	Peak	60.00	150	Horizontal	Pass
1**	5139.600	44.51	2.71	54.0	9.49	AV	60.00	150	Horizontal	Pass
2	5150.000	55.41	2.86	74.0	18.59	Peak	253.00	150	Horizontal	Pass
2**	5150.000	44.47	2.86	54.0	9.53	AV	253.00	150	Horizontal	Pass

U-NII-1 11ac20 High Channel



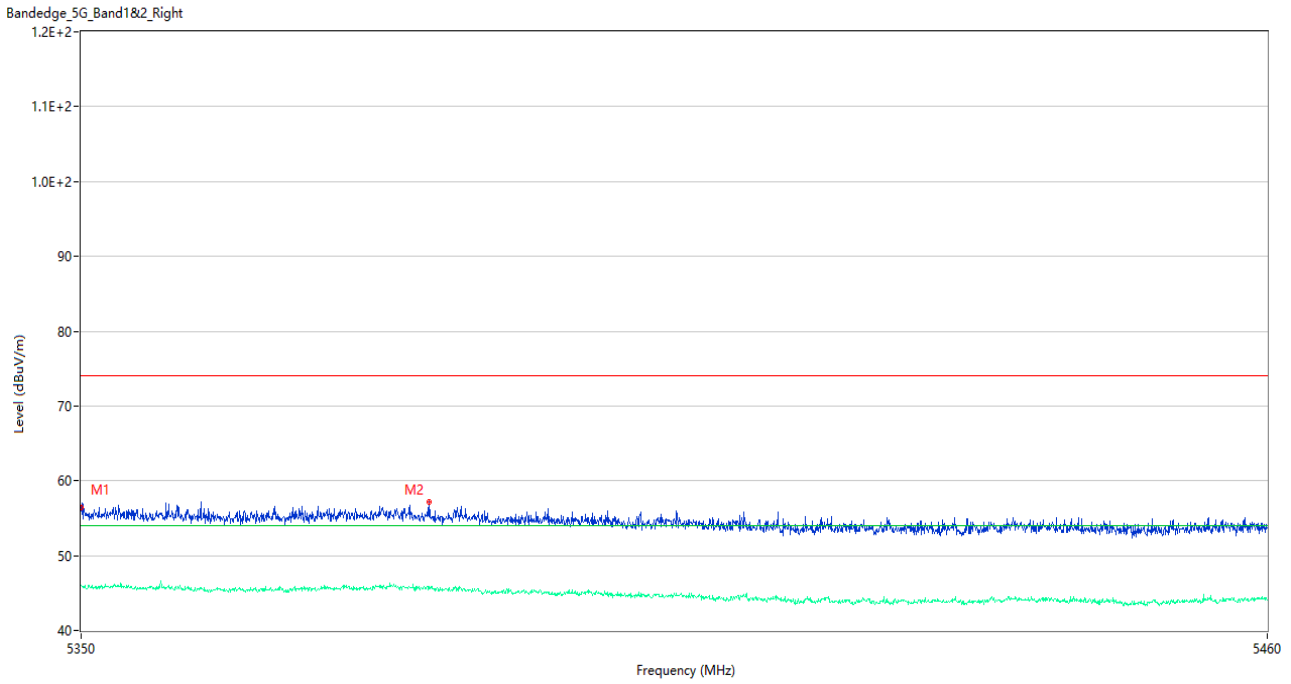
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	55.60	3.30	74.0	18.40	Peak	289.00	200	Horizontal	Pass
1**	5350.055	45.77	3.30	54.0	8.23	AV	289.00	200	Horizontal	Pass
2	5380.965	57.11	3.06	74.0	16.89	Peak	293.00	100	Horizontal	Pass
2**	5380.965	45.70	3.06	54.0	8.30	AV	293.00	100	Horizontal	Pass

U-NII-2A 11a Low Channel



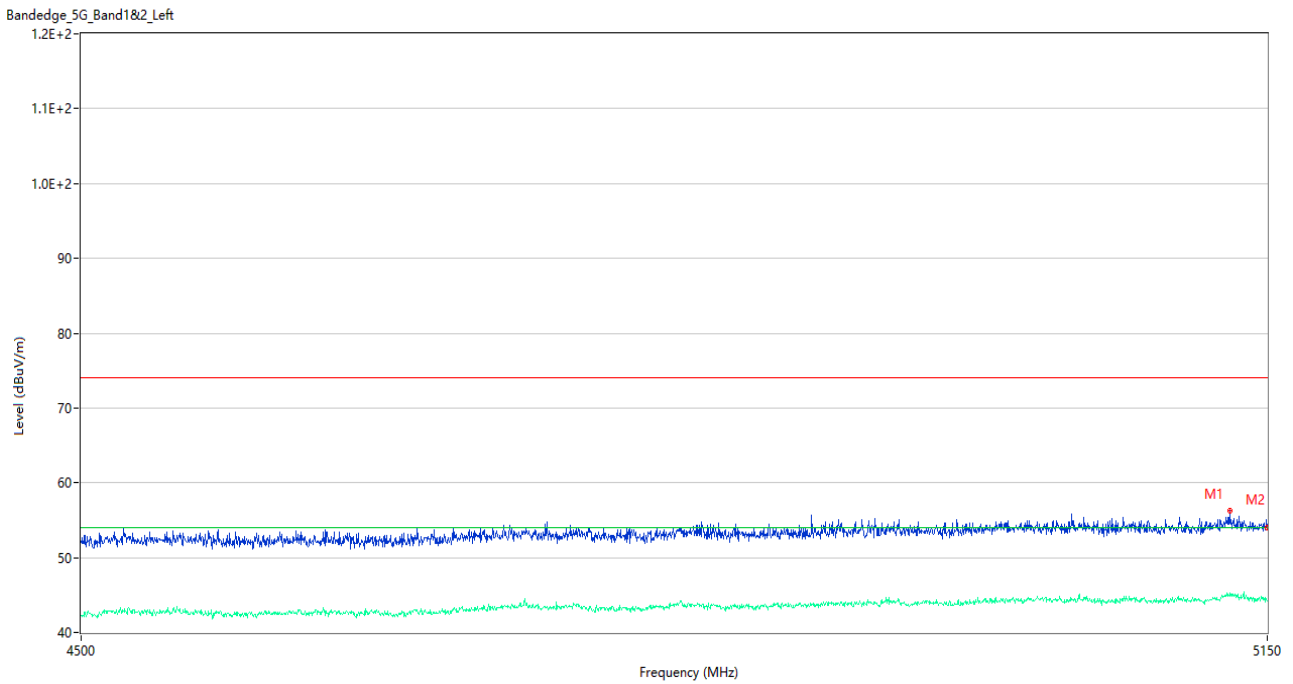
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5125.950	55.79	3.15	74.0	18.21	Peak	251.00	100	Horizontal	Pass
1**	5125.950	45.10	3.15	54.0	8.90	AV	251.00	100	Horizontal	Pass
2	5150.000	53.90	2.86	74.0	20.10	Peak	49.00	200	Horizontal	Pass
2**	5150.000	44.82	2.86	54.0	9.18	AV	49.00	200	Horizontal	Pass

U-NII-2A 11a High Channel



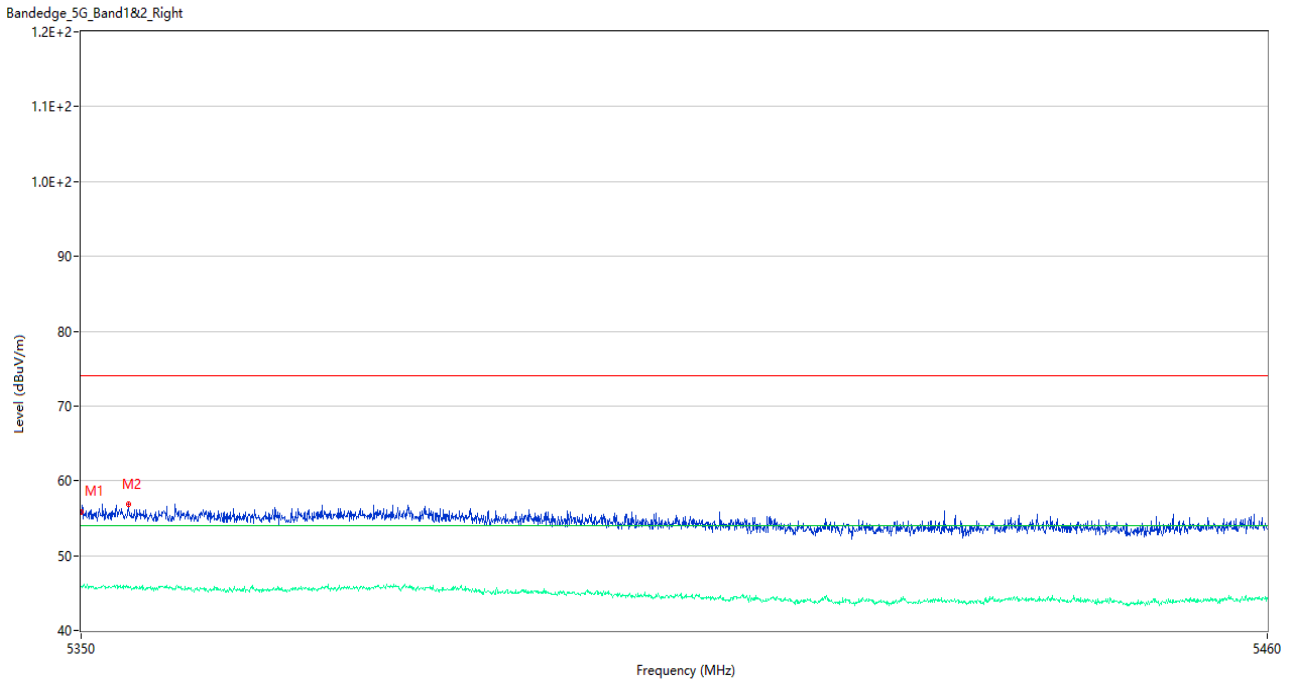
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.42	3.32	74.0	17.58	Peak	200.00	100	Horizontal	Pass
1**	5350.000	46.07	3.32	54.0	7.93	AV	200.00	100	Horizontal	Pass
2	5382.065	57.20	3.18	74.0	16.80	Peak	329.00	200	Horizontal	Pass
2**	5382.065	45.89	3.18	54.0	8.11	AV	329.00	200	Horizontal	Pass

U-NII-2A 11n20 Low Channel



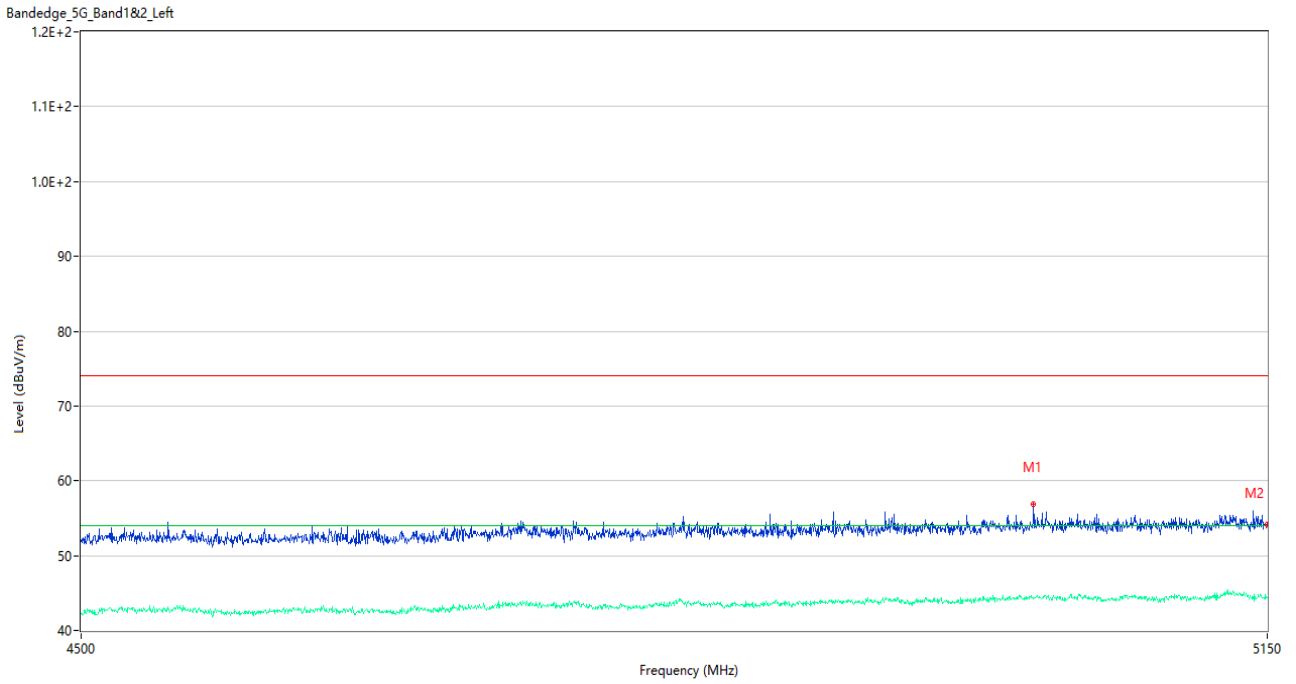
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5127.900	56.34	3.40	74.0	17.66	Peak	283.00	200	Horizontal	Pass
1**	5127.900	44.80	3.40	54.0	9.20	AV	283.00	200	Horizontal	Pass
2	5150.000	54.00	2.86	74.0	20.00	Peak	122.00	200	Horizontal	Pass
2**	5150.000	44.22	2.86	54.0	9.78	AV	122.00	200	Horizontal	Pass

U-NII-2A 11n20 High Channel



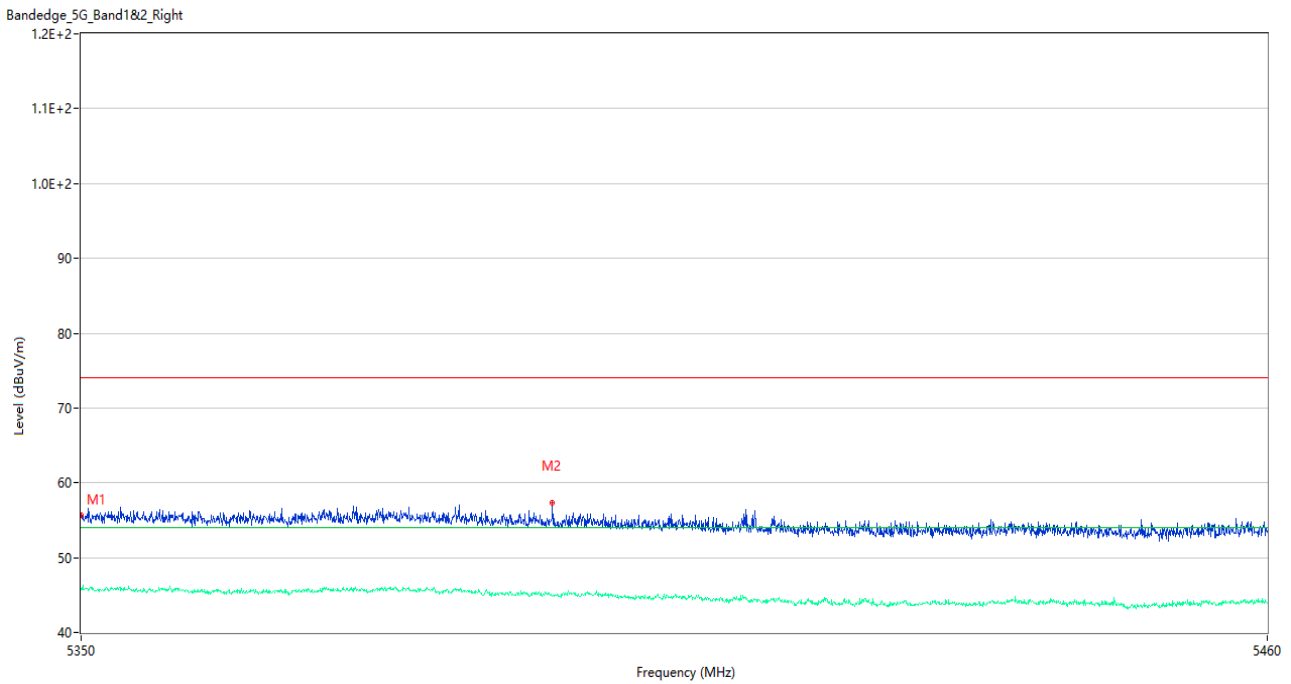
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.78	3.32	74.0	18.22	Peak	51.00	100	Horizontal	Pass
1**	5350.000	45.87	3.32	54.0	8.13	AV	51.00	100	Horizontal	Pass
2	5354.345	56.91	3.08	74.0	17.09	Peak	102.00	200	Horizontal	Pass
2**	5354.345	45.71	3.08	54.0	8.29	AV	102.00	200	Horizontal	Pass

U-NII-2A 11ac20 Low Channel



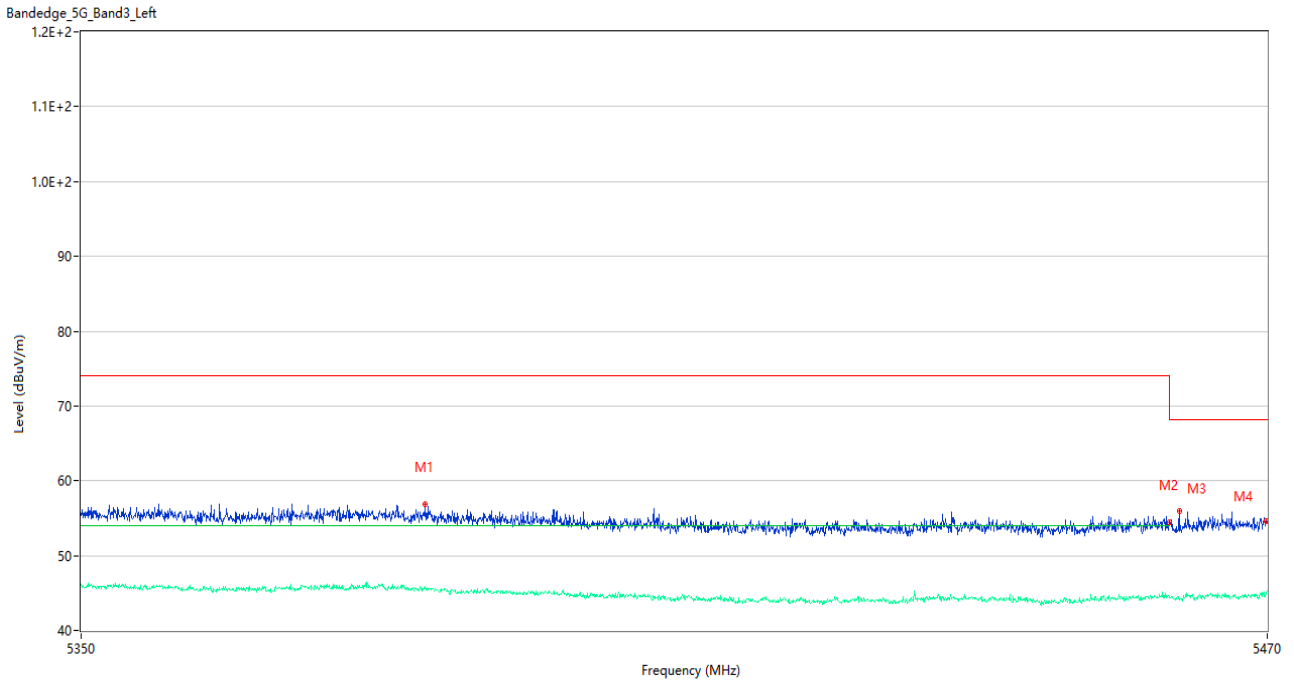
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5014.800	56.88	2.83	74.0	17.12	Peak	360.00	150	Horizontal	Pass
1**	5014.800	44.36	2.83	54.0	9.64	AV	360.00	150	Horizontal	Pass
2	5150.000	54.10	2.86	74.0	19.90	Peak	296.00	200	Horizontal	Pass
2**	5150.000	44.32	2.86	54.0	9.68	AV	296.00	200	Horizontal	Pass

U-NII-2A 11ac20 High Channel



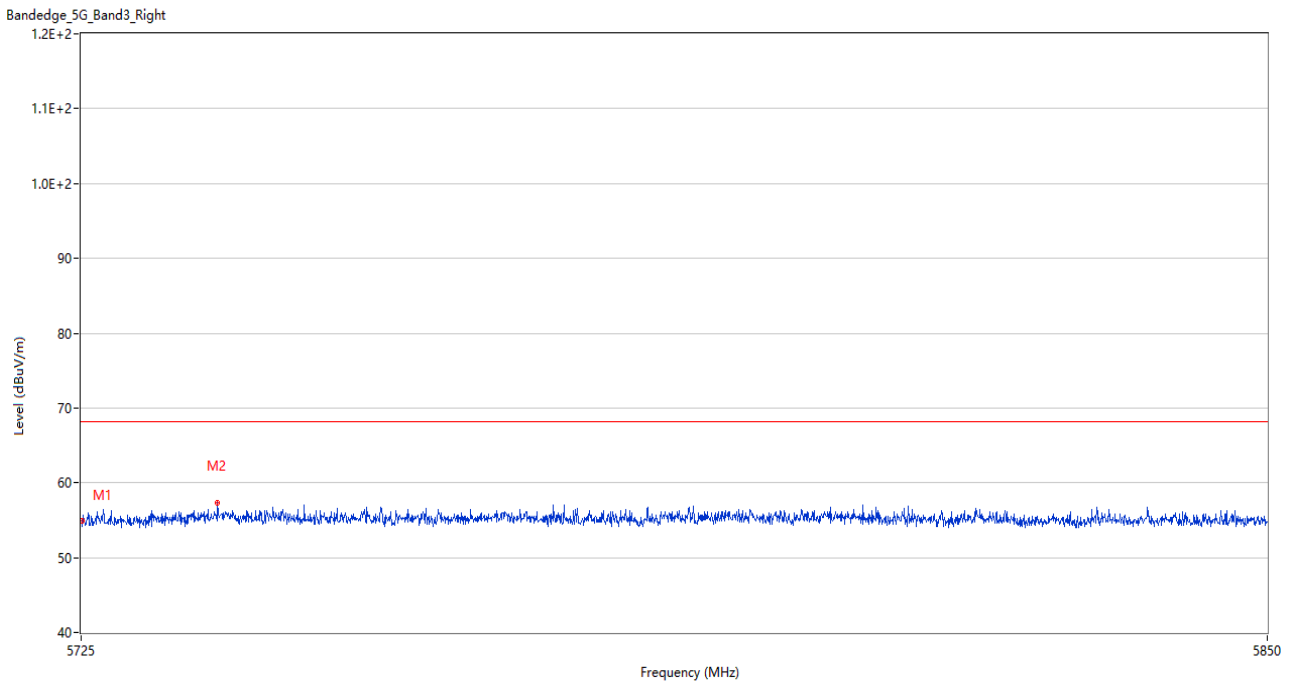
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.71	3.32	74.0	18.29	Peak	0.00	100	Horizontal	Pass
1**	5350.000	45.80	3.32	54.0	8.20	AV	0.00	100	Horizontal	Pass
2	5393.450	57.29	2.91	74.0	16.71	Peak	4.00	200	Horizontal	Pass
2**	5393.450	44.89	2.91	54.0	9.11	AV	4.00	200	Horizontal	Pass

U-NII-2C 11a Low Channel



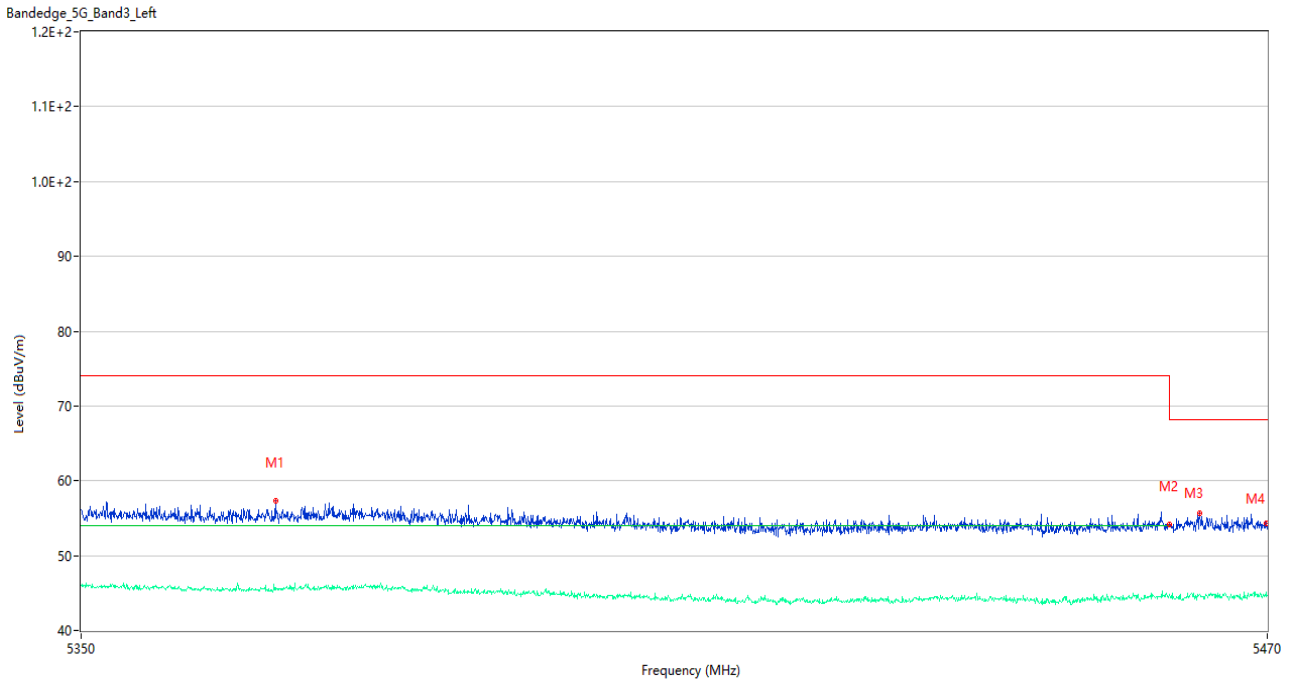
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5384.560	56.91	3.17	74.0	17.09	Peak	325.00	150	Horizontal	Pass
1**	5384.560	45.56	3.17	54.0	8.44	AV	325.00	150	Horizontal	Pass
2	5459.980	54.43	3.49	74.0	19.57	Peak	341.00	150	Horizontal	Pass
2**	5459.980	44.50	3.49	54.0	9.50	AV	341.00	150	Horizontal	Pass
3	5461.000	55.92	3.18	68.2	12.28	Peak	319.00	200	Horizontal	Pass
3**	5461.000	44.27	3.18	--	--	AV	319.00	200	Horizontal	N/A
4	5469.940	54.65	3.29	68.2	13.55	Peak	307.00	150	Horizontal	Pass
4**	5469.940	44.92	3.29	--	--	AV	307.00	150	Horizontal	N/A

U-NII-2C 11a High Channel



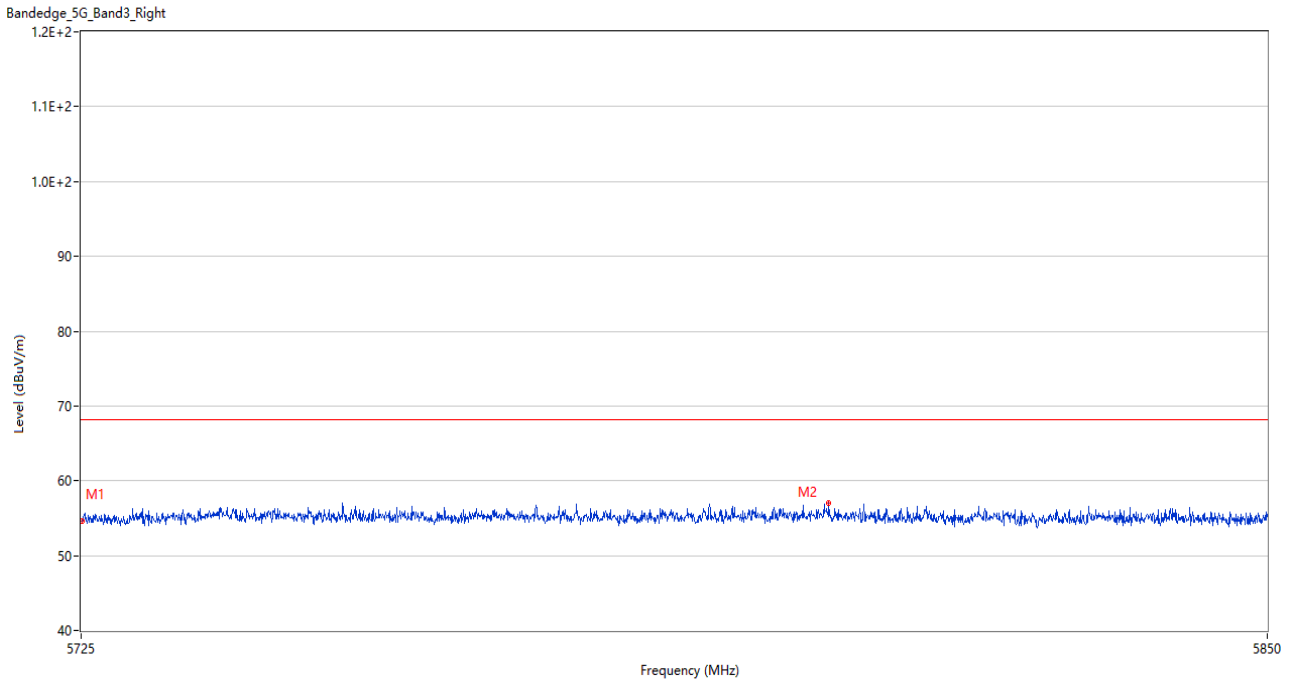
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.063	54.95	3.44	68.2	13.25	Peak	99.00	200	Horizontal	Pass
2	5739.250	57.29	3.97	68.2	10.91	Peak	316.00	150	Horizontal	Pass

U-NII-2C 11n20 Low Channel



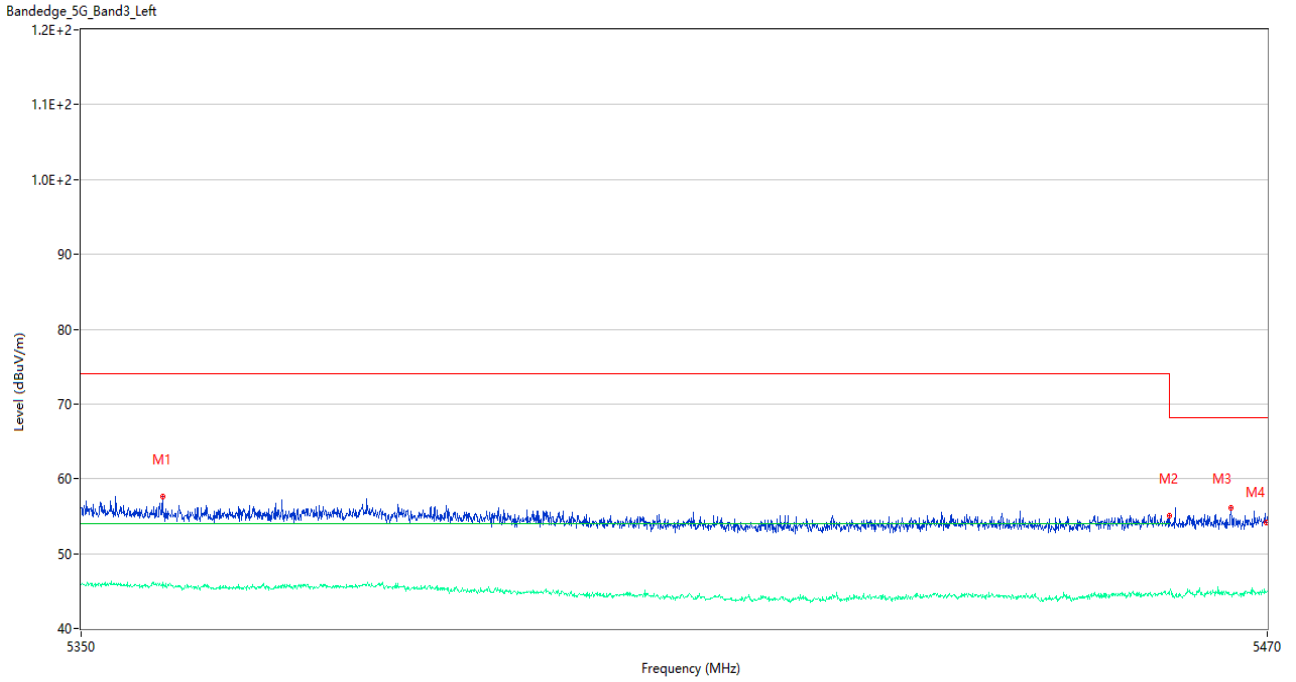
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5369.500	57.39	2.74	74.0	16.61	Peak	338.00	100	Horizontal	Pass
1**	5369.500	45.44	2.74	54.0	8.56	AV	338.00	100	Horizontal	Pass
2	5459.980	54.21	3.49	74.0	19.79	Peak	123.00	100	Horizontal	Pass
2**	5459.980	44.71	3.49	54.0	9.29	AV	123.00	100	Horizontal	Pass
3	5463.100	55.61	3.60	68.2	12.59	Peak	313.00	200	Horizontal	Pass
3**	5463.100	44.75	3.60	--	--	AV	313.00	200	Horizontal	N/A
4	5469.940	54.26	3.29	68.2	13.94	Peak	0.00	200	Horizontal	Pass
4**	5469.940	44.47	3.29	--	--	AV	0.00	200	Horizontal	N/A

U-NII-2C 11n20 High Channel



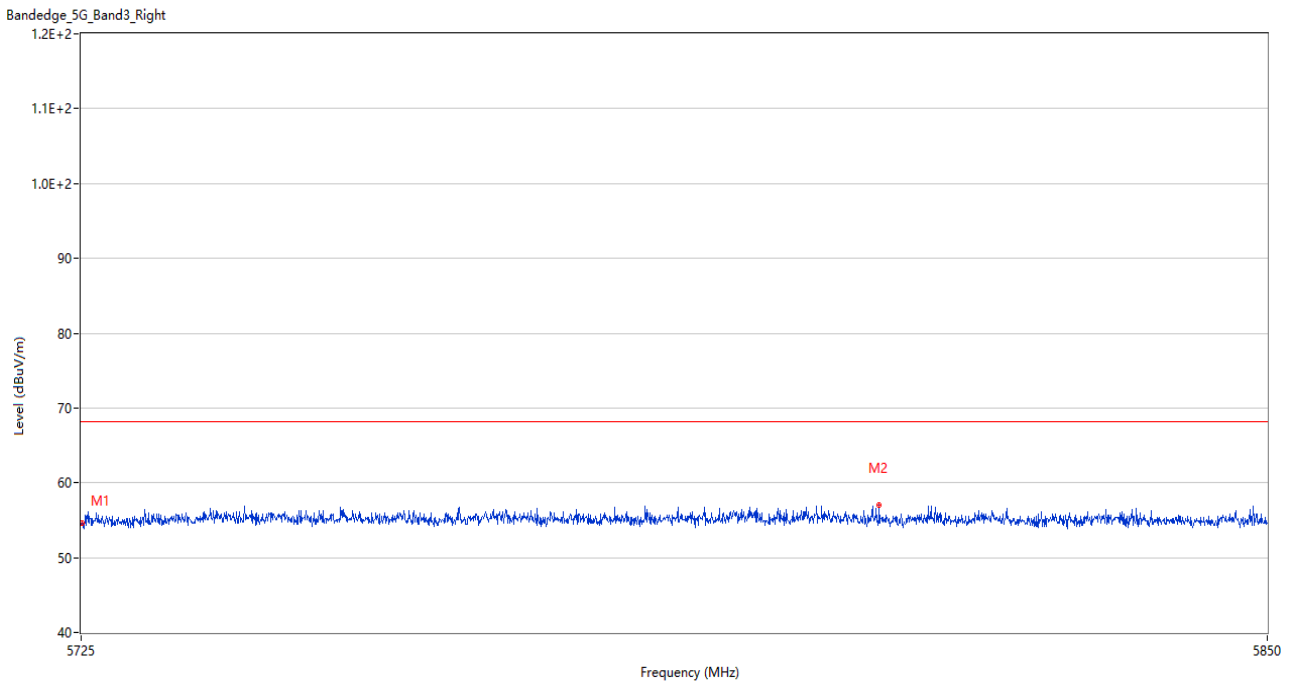
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.063	54.66	3.44	68.2	13.54	Peak	99.00	150	Horizontal	Pass
2	5803.500	57.07	4.00	68.2	11.13	Peak	271.00	150	Horizontal	Pass

U-NII-2C 11ac20 Low Channel



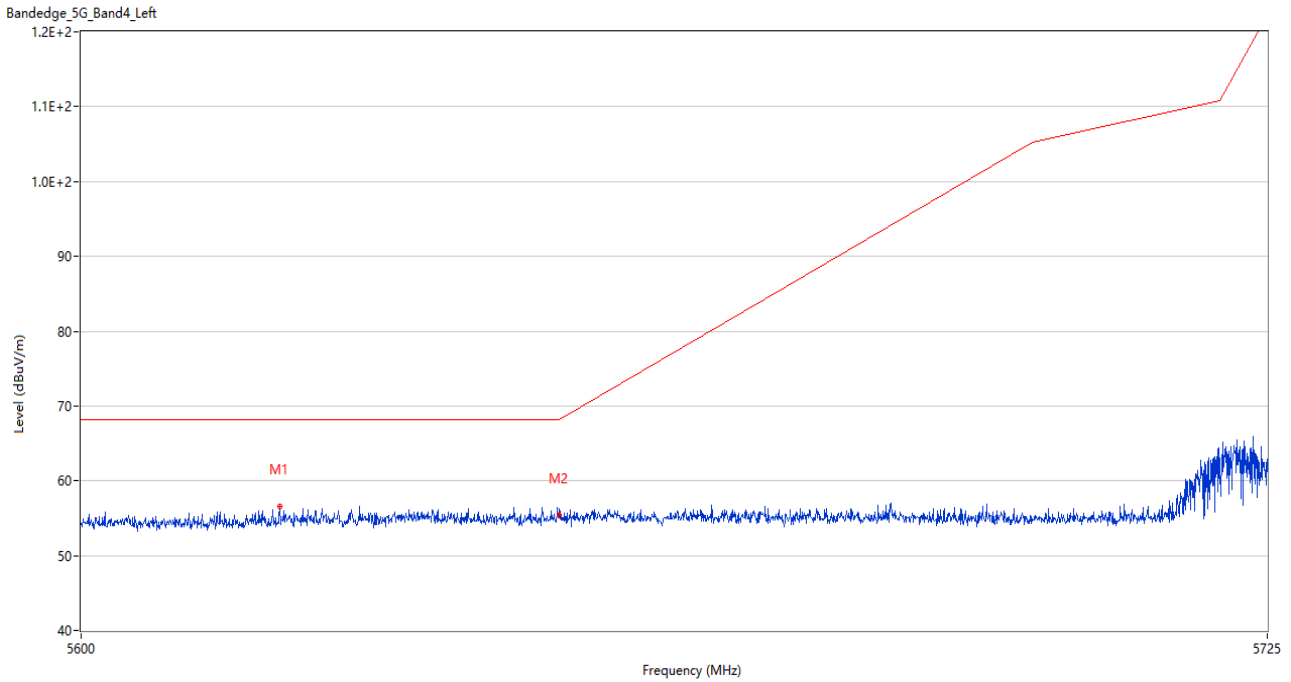
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5358.160	57.62	2.93	74.0	16.38	Peak	268.00	100	Horizontal	Pass
1**	5358.160	46.17	2.93	54.0	7.83	AV	268.00	100	Horizontal	Pass
2	5459.980	55.02	3.49	74.0	18.98	Peak	274.00	200	Horizontal	Pass
2**	5459.980	44.52	3.49	54.0	9.48	AV	274.00	200	Horizontal	Pass
3	5466.280	56.10	3.16	68.2	12.10	Peak	134.00	200	Horizontal	Pass
3**	5466.280	44.59	3.16	--	--	AV	134.00	200	Horizontal	N/A
4	5469.940	54.10	3.29	68.2	14.10	Peak	242.00	200	Horizontal	Pass
4**	5469.940	44.83	3.29	--	--	AV	242.00	200	Horizontal	N/A

U-NII-2C 11ac20 High Channel



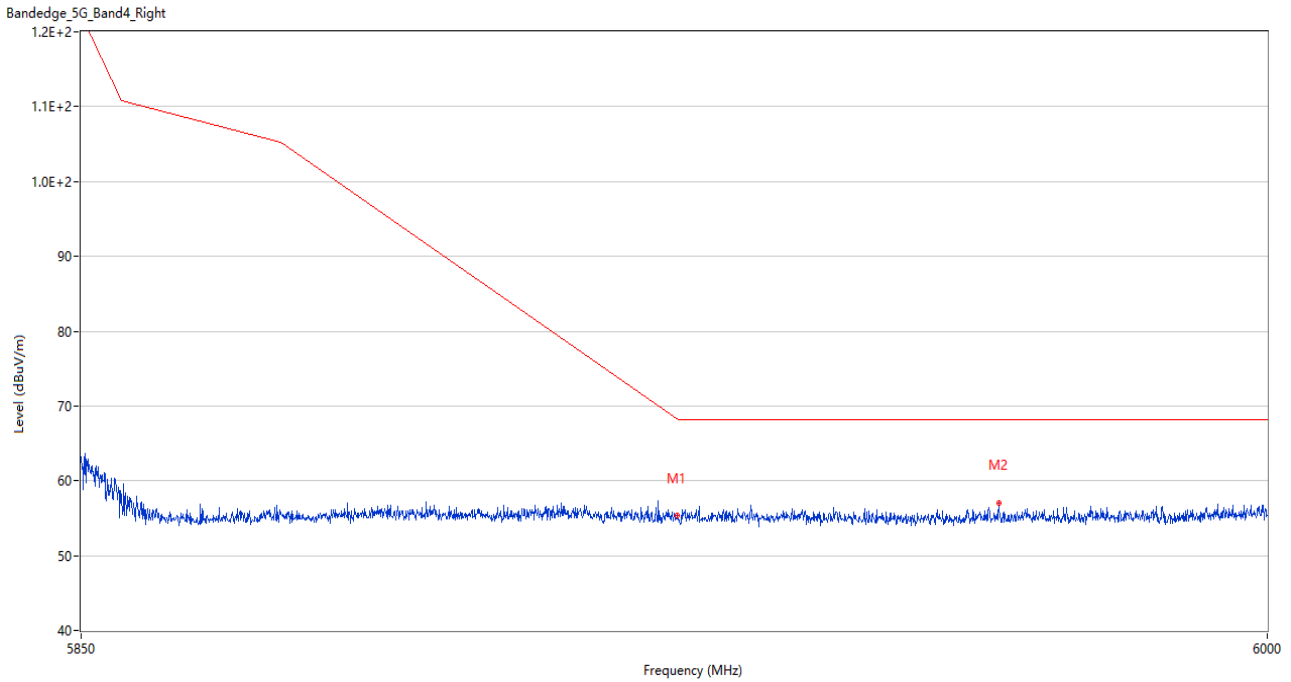
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.063	54.65	3.44	68.2	13.55	Peak	304.00	150	Horizontal	Pass
2	5808.813	56.97	3.41	68.2	11.23	Peak	337.00	100	Horizontal	Pass

U-NII-3 11a Low Channel



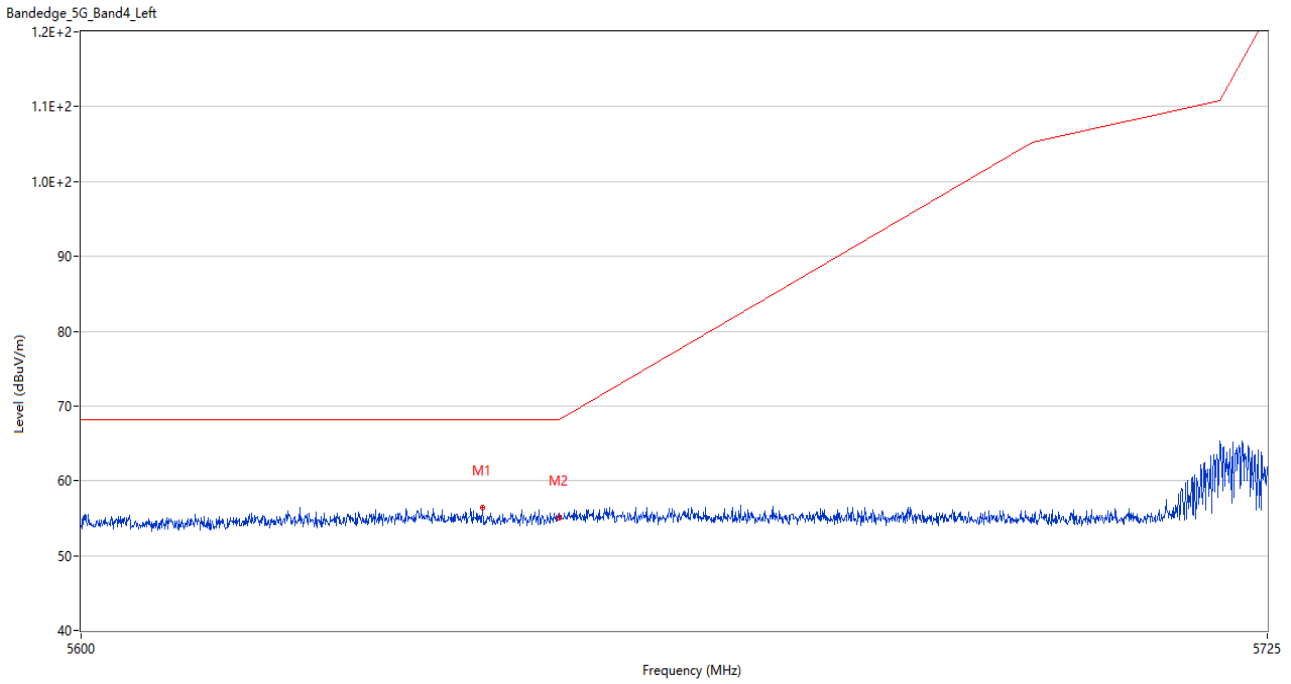
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5620.750	56.60	3.44	68.2	11.60	Peak	6.00	200	Horizontal	Pass
2	5650.000	55.34	3.72	68.2	12.86	Peak	0.00	150	Horizontal	Pass

U-NII-3 11a High Channel



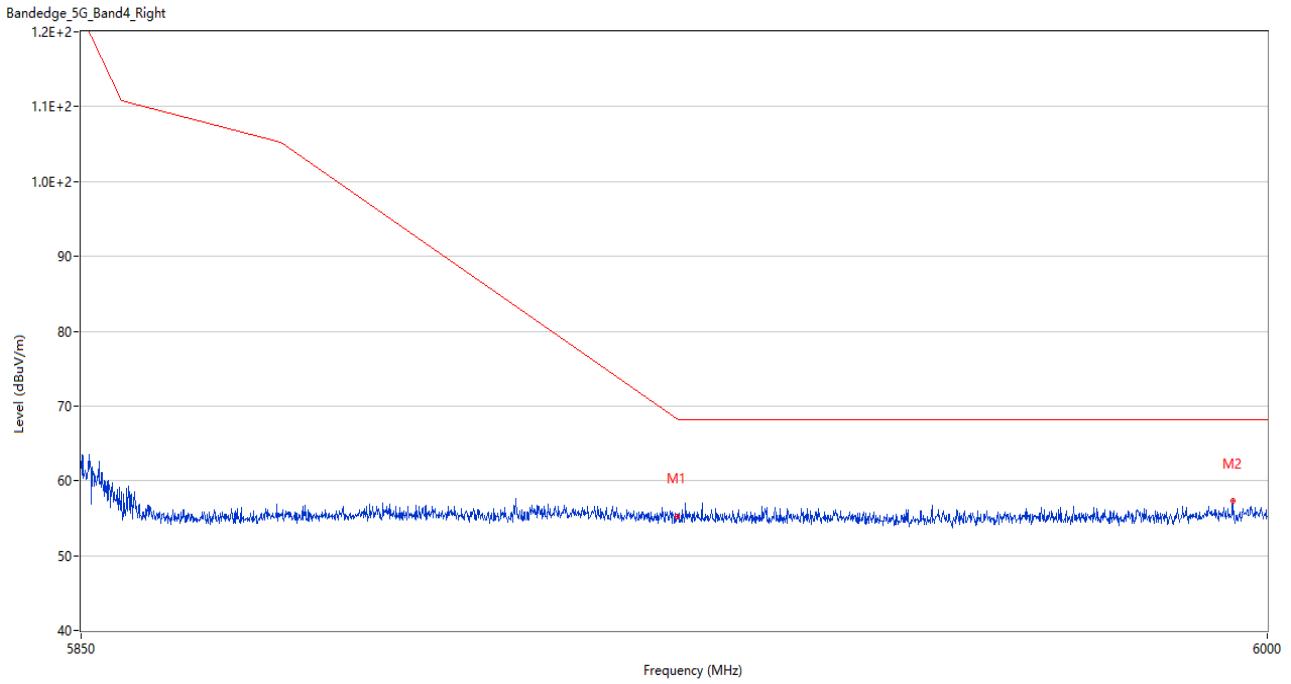
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	55.37	3.42	68.3	12.93	Peak	25.00	150	Horizontal	Pass
2	5965.725	57.09	3.73	68.2	11.11	Peak	325.00	200	Horizontal	Pass

U-NII-3 11n20 Low Channel



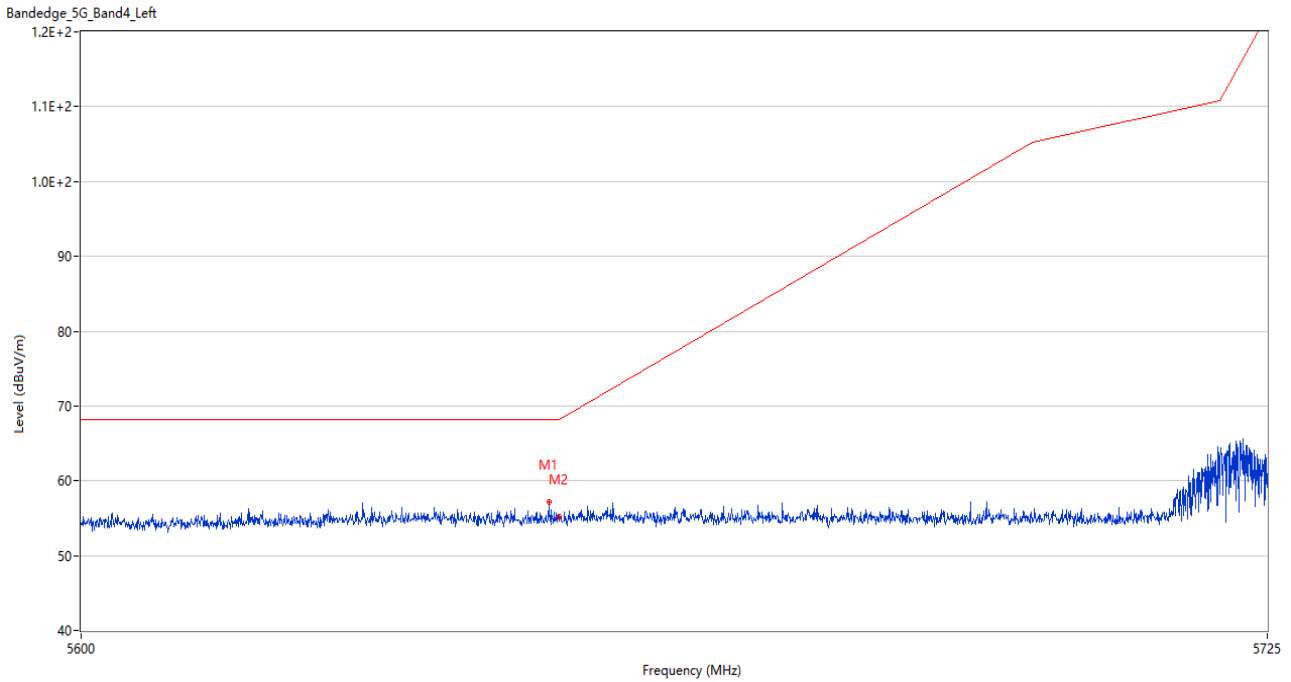
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5642.000	56.44	3.19	68.2	11.76	Peak	301.00	200	Horizontal	Pass
2	5650.000	55.11	3.72	68.2	13.09	Peak	42.00	200	Horizontal	Pass

U-NII-3 11n20 High Channel



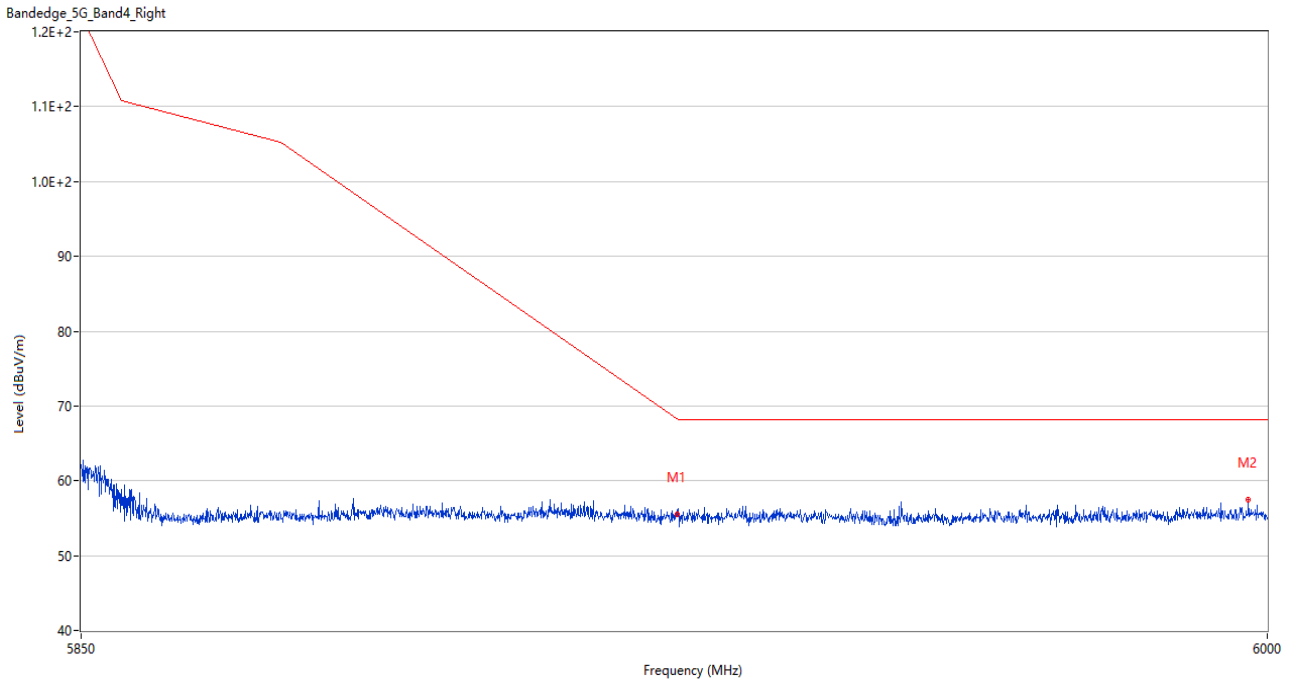
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	55.29	3.42	68.3	13.01	Peak	135.00	150	Horizontal	Pass
2	5995.575	57.26	4.76	68.2	10.94	Peak	247.00	100	Horizontal	Pass

U-NII-3 11ac20 Low Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5648.937	57.17	3.58	68.2	11.03	Peak	278.00	100	Horizontal	Pass
2	5650.000	55.15	3.72	68.2	13.05	Peak	259.00	100	Horizontal	Pass

U-NII-3 11ac20 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	55.56	3.42	68.3	12.74	Peak	8.00	200	Horizontal	Pass
2	5997.600	57.42	5.02	68.2	10.78	Peak	62.00	100	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2450314-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2450314-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2450314-AI.PDF”.

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--END OF REPORT--