TEST REPORT

Applicant:	REOLINK INNOVATION LIMITED
Address:	FLAT/RM 705 7/F FA YUEN COMMERCIAL BUILDING 75-77 FA YUEN STREET MONG KOK KL HONG KONG
Equipment Type:	WiFi IP Camera
Model Name:	Reolink Lumus (refer to section 2.3)
Brand Name:	Reolink
FCC ID:	2AYHE-2306D
ISED Number:	26839-2306D
Test Standard:	47 CFR Part 15 Subpart E RSS-Gen Issue 5 RSS-247 Issue 3 (refer to section 3.1)
Sample Arrival Date:	Sep. 06, 2023
Test Date:	Sep. 15, 2023 - Oct. 19, 2023
Date of Issue:	Nov. 29, 2023

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Yu YingYuan **Checked by:** Ye Hongji **Approved by:** Liao Jianming (Technical Director)

Revision History

Version	Issue Date	Revisions
Rev. 01	Nov. 20, 2023	Initial Issue
Rev. 02	Nov. 29, 2023	Updated the PSD test plot

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1 GENERAL INFORMATION

1.1 Test Laboratory

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

1.2 Test Location

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

2 PRODUCT INFORMATION

2.1 Applicant Information

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

2.2 Manufacturer Information

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

2.3 General Description for Equipment under Test (EUT)

EUT Name	WiFi IP Camera
Model Name Under Test	Reolink Lumus
Series Model Name	Reolink Lumus(C61), Reolink Lumus(C61C), Lumus Series C61C, Lumus Series C61
Description of Model name differentiation	All models are same with electrical parameters and internal circuit structure, but only differ in model name. (this information provided by the applicant)
Serial Number	850044991952
Hardware Version	N/A
Software Version	N/A
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	2.4G WIFI 802.11b, 802.11g, 802.11n(HT20) 5G WIFI 802.11a, 802.11n(HT20) U-NII-1/2A/2C/3

The requirement for the following technical information of the EUT was tested in this report:

Frequency Range	U-NII-1: 5150 MHz to 5250 MHz, U-NII-2A: 5250 MHz to 5350 MHz, U-NII-2C: 5470 MHz to 5725 MHz, U-NII-3: 5725 MHz to 5850 MHz
Product Type	☒ Mobile ☐ Portable ☐ Fix Location
Modulation technology	OFDM
Modulation Type	64QAM, 16QAM, BPSK, QPSK
Product Type	Indoor for IC standard Mobile for FCC standard
Transfer Rate (Mbps) (Single RF path)	802.11a: 54/ 48/ 36/ 24/ 18/ 12/ 9/ 6 Mbps 802.11n: up to 150 Mbps
Channel Bandwidth	802.11a: 20 MHz 802.11n: 20 MHz
Maximum Output Power	U-NII-1: 30.06 mW U-NII-2A: 30.97 mW U-NII-2C: 30.83 mW U-NII-3: 31.48 mW
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	Copper Tube Antenna
Antenna Gain	U-NII-1: 5150 MHz to 5250 MHz: 6.87 dBi U-NII-2A: 5250 MHz to 5350 MHz: 5.02 dBi U-NII-2C: 5470 MHz to 5725 MHz: 3.06 dBi U-NII-3: 5725 MHz to 5850 MHz: 3.17 dBi
About the Product	The equipment is WiFi IP Camera, 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**
144	5720
149	**5745**
153	5765
157	**5785**
161	5805
165	**5825**

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

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

For 802.11a/n(HT20)

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
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
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
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
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
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

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	47% to 67%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+22.9℃ to +24.2℃
Working Voltage of the EUT	NV (Normal Voltage)	5.0 V
	LV (Low Voltage)	4.5 V
	HV (High Voltage)	5.5 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	KEYSIGHT	N9020A	MY46471071	2023.07.25	2024.07.24
Power Sensor	KEYSIGHT	U2063XA	MY58000251	2023.07.12	2024.07.11
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-40	101544	2022.12.28	2023.12.27
Spectrum Analyzer	KEYSIGHT	N9020A	MY50531259	2023.09.05	2024.09.04
Signaling Unit	ROHDE&SCHWARZ	CMW500	171150	2023.06.19	2024.06.18
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	02460	2021.05.19	2024.05.08
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2021.07.02	2024.07.01
Anechoic Chamber	RAINFORD	9m*6m*6m	140	2022.02.19	2024.08.15
Amplifier	COM-MV	ZT30-1000M	07210897	2023.09.05	2024.09.04
Amplifier	COM-MV	LSCX_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	2022.12.07	2023.12.06
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2023.09.05	2024.09.04
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2021.04.16	2024.04.15
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60*7.35m	130	2021.08.15	2024.08.14
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9163	9163-624	2021.08.20	2024.08.19
EMI Receiver	KEYSIGHT	N9038A	MY53220118	2023.09.05	2024.09.04
Anechoic Chamber	RAINFORD	9m*6m*6m	101	2023.03.26	2026.03.03
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2023.09.05	2024.09.04
LISN	SCHWARZBECK	NSLK 8127	8127-687	2023.05.16	2024.05.15
Shielded Enclosure	YiHeng Electronic Co., Ltd	3.5m*3.1m*2.8m	112	2022.02.19	2025.02.18

4.3 Test Software List

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

4.4 Measurement Uncertainty

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

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

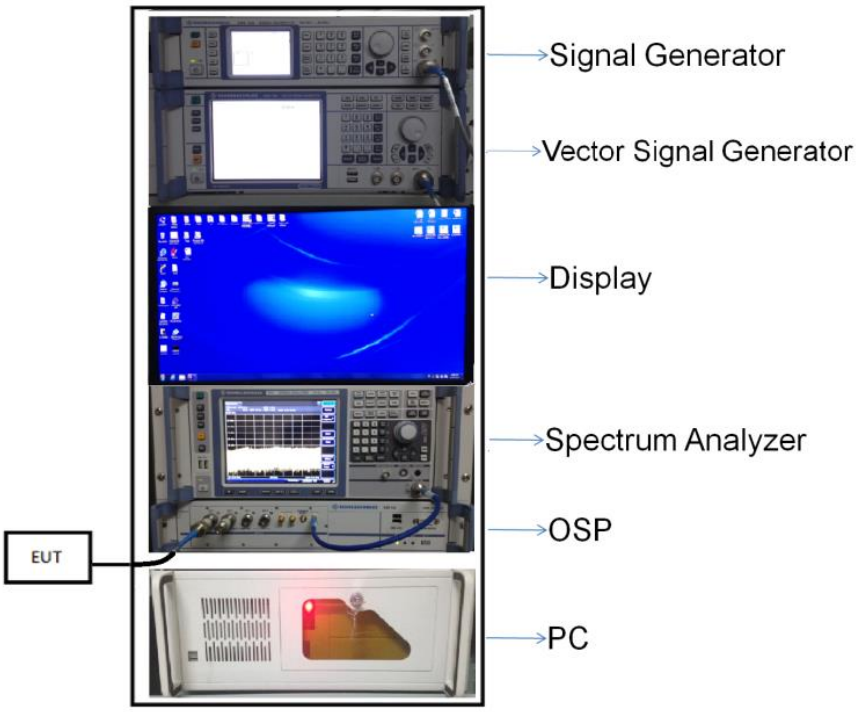
Parameters	Uncertainty
Occupied Channel Bandwidth	2.8%
RF output power, conducted	1.28 dB
Power Spectral Density, conducted	1.30 dB
Unwanted Emissions, conducted	1.84 dB
All emissions, radiated	5.36 dB
Temperature	0.8°C
Humidity	4%

4.5 Description of Test Setup

4.5.1 For Antenna Port Test

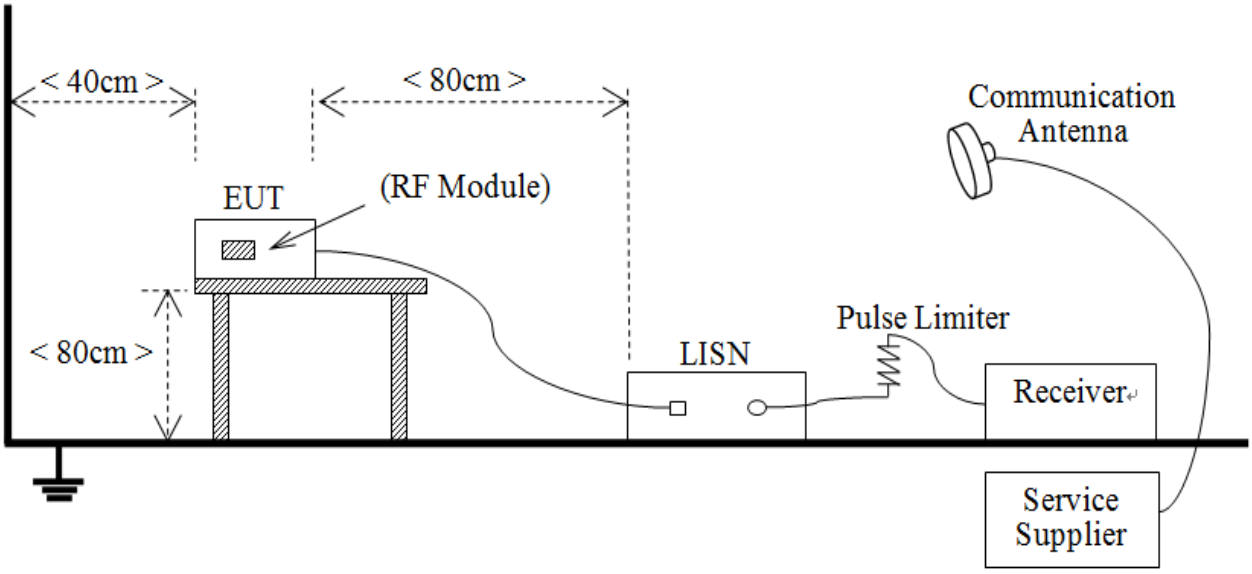
Conducted value (dBm) = Measurement value (dBm) + cable loss (dB)

For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:
Conducted value (dBm) = 10 dBm + 0.5 dB = 10.5 dBm



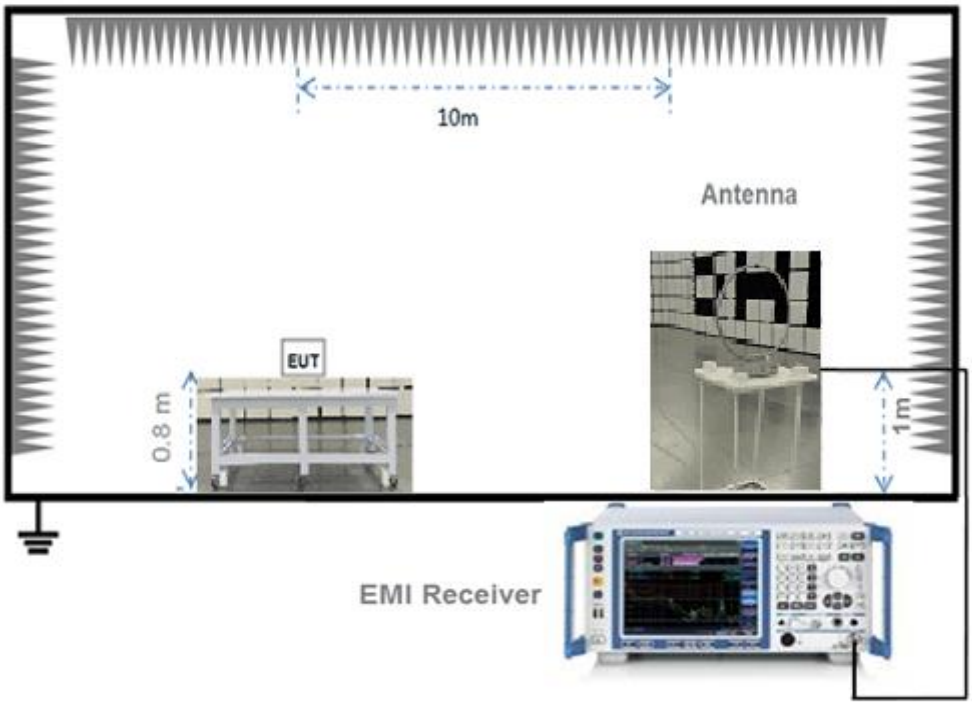
(Diagram 1)

4.5.2 For AC Power Supply Port Test



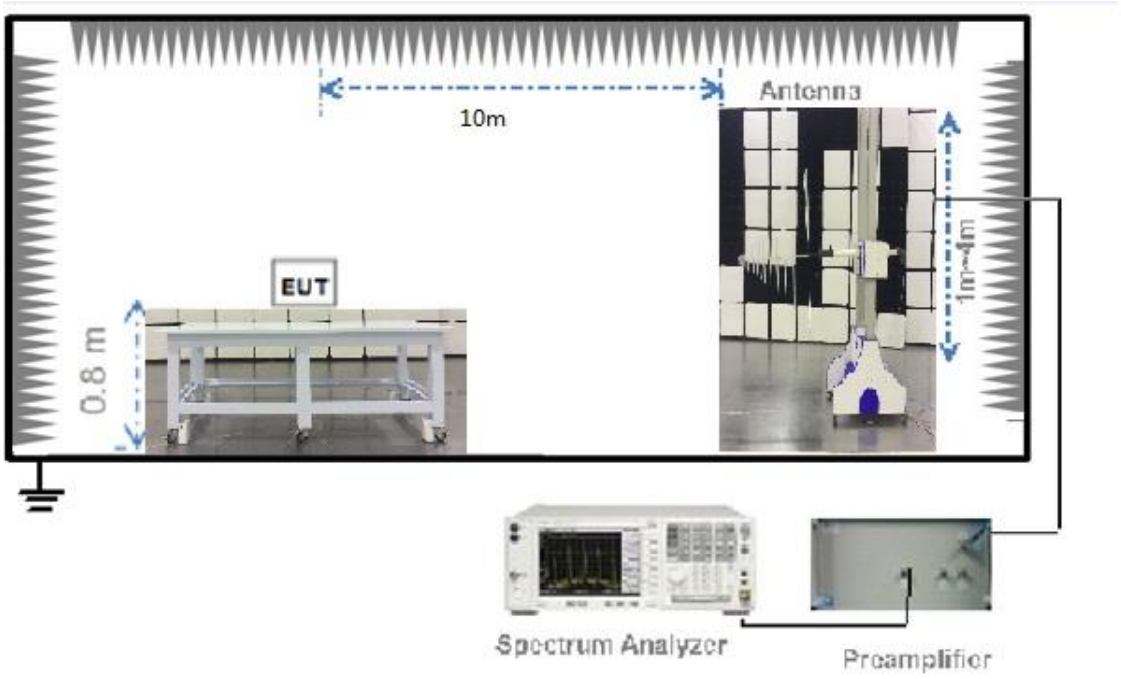
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



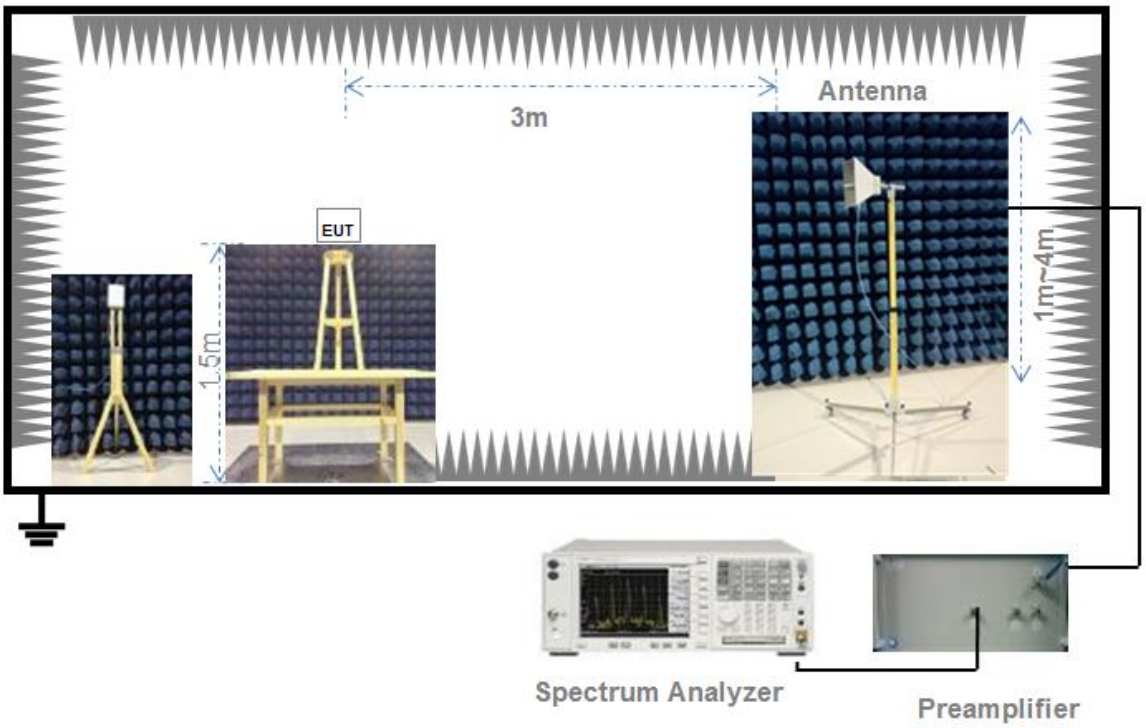
(Diagram 3)

4.5.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.5.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

5 TEST ITEMS

5.1 RF Output Power

5.1.1 Test Limit

FCC §15.407(a)

The maximum conducted output power should not exceed:

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

RSS-247, 6.2

The maximum conducted output power shall not exceed:

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

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

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

5.1.2 Test Setup

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

5.1.3 Test Procedure

The maximum peak conducted output power may be measured using a broadband Average RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the emission bandwidth and utilize a fast-responding diode detector.

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

5.1.4 Test Result

Please refer to ANNEX A.1.

5.2 Emission Bandwidth and 6 dB Bandwidth

5.2.1 Limit

FCC §15.407(a), RSS-247, 6.2

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

5.2.2 Test Setup

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

5.2.3 Test Procedure

Emission bandwidth

1. Set RBW = approximately 1% of the emission bandwidth.

2. Set VBW ≥ 3*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 ≥ 3*RBW, Detector = Peak.

4. Trace mode = Max hold.

5. Use the 99% power bandwidth function of the instrument.

6 dB bandwidth

1. Set RBW = 100 kHz, VBW = 300 kHz.

2. Detector = Peak.Trace mode = Max hold.

3. Allow the trace to stabilize.

4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

5.2.4 Test Result

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

5.3 Power Spectral density (PSD)

5.3.1 Limit

FCC §15.407(a)

The maximum power spectral density should not exceed:

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

RSS-247, 6.2

The maximum power spectral density should not exceed:

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

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

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

5.3.2 Test Setup

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

5.3.3 Test Procedure

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

1. Set RBW = 510 kHz/1 MHz, VBW ≥ 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 50μH/50Ω line impedance stabilization network (LISN).

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

5.4.2 Test Setup

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

5.4.3 Test Procedure

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

5.4.4 Test Result

Please refer to ANNEX A.5.

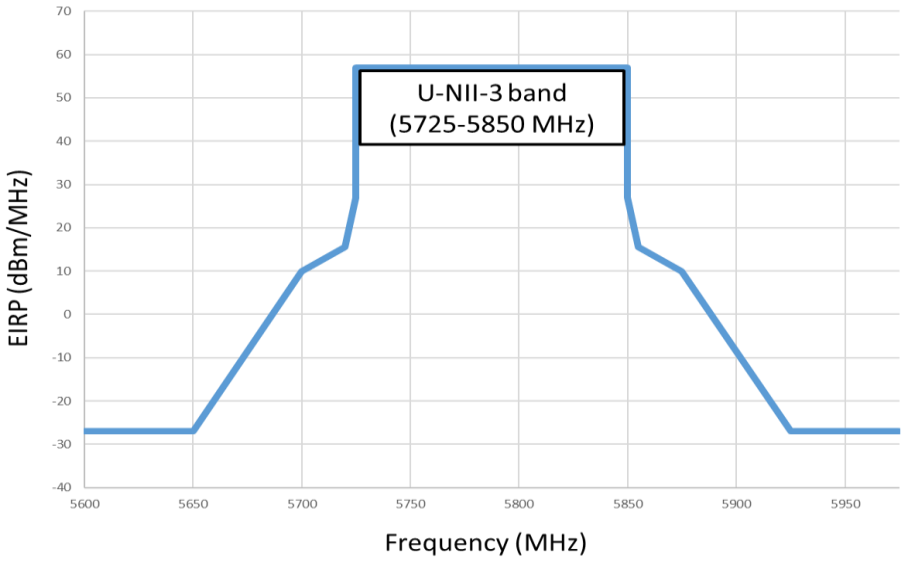
5.5 Radiated Spurious Emissions and Band Edge (Restricted-band)

5.5.1 Limit

FCC §15.209 & 15.407(b), RSS-247, 6.2

Frequency (MHz)	Field Strength (μV/m)	Measurement Distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

Note [1]: The Limit for radiated test was performed according to FCC Part 15C
Note [2]: The tighter limit applies at the band edge.

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

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

5.5.2 Test Setup

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

5.5.3 Test Procedure

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

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

General Procedure for conducted measurements in restricted bands

a) Measure the conducted output power (in dBm) using the detector specified (see guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).

b) Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies ≤ 30 MHz, 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive and 0 dB for frequencies > 1000 MHz).

c) For devices with multiple antenna-ports, measure the power of each individual chain and sum the EIRP of all chains in linear terms (e.g., Watts, mW).

d) Convert the resultant EIRP level to an equivalent electric field strength using the following relationship:

$E = EIRP – 20\log D + 104.8$

where:

E = electric field strength in dBμV/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 ≥ 3 x 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 ≥ 3 x RBW.

e) Detector = RMS, if span/(# of points in sweep) ≤ (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 ≥ 1 GHz, 100 kHz for f < 1 GHz
VBW ≥ RBW
Sweep = auto
Detector function = peak
Trace = max hold

5.5.4 Test Result

Please refer to ANNEX A.6.

ANNEX A TEST RESULT

A.1 RF Output Power

Note [1]: For FCC standard, if transmitting antennas of directional gain greater than 6 dBi are used, all band maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
Note [2]: For IC standard, the U-NII-3 (5725 - 5850 MHz) maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle
11a	1.360	1.409	96.52%
11n (HT20)	1.271	1.326	95.85%

Test Data

Conducted Power

U-NII-1 (5150 - 5250 MHz)					
Note [1]: Transmitting antennas of directional gain in U-NII-1(5150 MHz to 5250 MHz) is 6.87 dBi Formulas: Directional gain = GANT + Array Gain, *Array Gain* = 0. Note [2]: FCC Limit=24 dBm (250 mW)-(6.87-6) dbi=23.13 dBm (205.59 mW) .					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	12.14	16.37	205.59	Pass
11a	CH44	12.34	17.14	205.59	Pass
11a	CH48	12.86	19.32	205.59	Pass
11n (HT20)	CH36	13.61	22.96	205.59	Pass
11n (HT20)	CH44	13.86	24.32	205.59	Pass
11n (HT20)	CH48	13.75	23.71	205.59	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH52	14.91	30.97	241	Pass
11a	CH60	14.63	29.04	240	Pass
11a	CH64	14.81	30.27	240	Pass
11n (HT20)	CH52	13.62	23.01	250	Pass
11n (HT20)	CH60	13.85	24.27	250	Pass
11n (HT20)	CH64	13.61	22.96	250	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH100	14.89	30.83	241	Pass
11a	CH116	14.70	29.51	241	Pass
11a	CH140	14.65	29.17	245	Pass
11n (HT20)	CH100	13.74	23.66	250	Pass
11n (HT20)	CH116	13.84	24.21	250	Pass
11n (HT20)	CH140	13.66	23.23	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	14.84	30.48	1000	Pass
11a	CH157	14.67	29.31	1000	Pass
11a	CH165	14.98	31.48	1000	Pass
11n (HT20)	CH149	13.75	23.71	1000	Pass
11n (HT20)	CH157	13.65	23.17	1000	Pass
11n (HT20)	CH165	13.64	23.12	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	19.01	79.62	162	Pass
11a	CH44	19.21	83.37	162	Pass
11a	CH48	19.73	93.97	162	Pass
11n (HT20)	CH36	20.48	111.69	173	Pass
11n (HT20)	CH44	20.73	118.30	173	Pass
11n (HT20)	CH48	20.62	115.35	173	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	19.93	98.40	813	Pass
11a	CH60	19.65	92.26	812	Pass
11a	CH64	19.83	96.16	812	Pass
11n (HT20)	CH52	18.64	73.11	869	Pass
11n (HT20)	CH60	18.87	77.09	869	Pass
11n (HT20)	CH64	18.63	72.95	869	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	17.95	62.37	813	Pass
11a	CH116	17.76	59.70	813	Pass
11a	CH140	17.71	59.02	816	Pass
11n (HT20)	CH100	16.80	47.86	868	Pass
11n (HT20)	CH116	16.90	48.98	869	Pass
11n (HT20)	CH140	16.72	46.99	871	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH149	18.01	63.24	Pass
11a	CH157	17.84	60.81	Pass
11a	CH165	18.15	65.31	Pass
11n (HT20)	CH149	16.92	49.20	Pass
11n (HT20)	CH157	16.82	48.08	Pass
11n (HT20)	CH165	16.81	47.97	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ2390527-602 Data Part 1.pdf”.

Test Data

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	19.08	16.21
11a	CH44	19.11	16.22
11a	CH48	19.10	16.21
11n (HT20)	CH36	20.06	17.33
11n (HT20)	CH44	20.04	17.33
11n (HT20)	CH48	20.05	17.33

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	19.14	16.21
11a	CH60	19.09	16.21
11a	CH64	19.04	16.20
11n (HT20)	CH52	20.06	17.33
11n (HT20)	CH60	20.07	17.34
11n (HT20)	CH64	20.07	17.34

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	19.13	16.21
11a	CH116	19.18	16.22
11a	CH140	19.49	16.28
11n (HT20)	CH100	20.04	17.32
11n (HT20)	CH116	20.04	17.33
11n (HT20)	CH140	20.19	17.38

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	19.52	16.28
11a	CH157	19.68	16.29
11a	CH165	19.82	16.32
11n (HT20)	CH149	20.19	17.37
11n (HT20)	CH157	20.16	17.38
11n (HT20)	CH165	20.19	17.39

A.3 6 dB Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ2390527-602 Data Part 2.pdf”.

Test Data

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	15.15	500.00	Pass
11a	CH157	15.15	500.00	Pass
11a	CH165	15.15	500.00	Pass
11n (HT20)	CH149	15.15	500.00	Pass
11n (HT20)	CH157	15.15	500.00	Pass
11n (HT20)	CH165	15.15	500.00	Pass

A.4 Power Spectral Density

Note [1]: Test plots please refer to the document “Annex No.: BL-SZ2390527-602 Data Part 3.pdf”.
Note [2]: For FCC standard, if transmitting antennas of directional gain greater than 6 dBi are used, all band of the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. For IC standard, if transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density of U-NII-3 (5725 - 5850 MHz) shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Test Data

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH36	1.69	10.13	Pass
11a	CH44	2.07	10.13	Pass
11a	CH48	2.25	10.13	Pass
11n (HT20)	CH36	1.89	10.13	Pass
11n (HT20)	CH44	2.06	10.13	Pass
11n (HT20)	CH48	1.96	10.13	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH52	4.57	11.00	Pass
11a	CH60	3.74	11.00	Pass
11a	CH64	4.29	11.00	Pass
11n (HT20)	CH52	2.04	11.00	Pass
11n (HT20)	CH60	2.76	11.00	Pass
11n (HT20)	CH64	2.56	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH100	4.60	11.00	Pass
11a	CH116	4.14	11.00	Pass
11a	CH140	3.95	11.00	Pass
11n (HT20)	CH100	3.06	11.00	Pass
11n (HT20)	CH116	2.31	11.00	Pass
11n (HT20)	CH140	2.56	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	1.46	30.00	Pass
11a	CH157	1.45	30.00	Pass
11a	CH165	2.22	30.00	Pass
11n (HT20)	CH149	-0.37	30.00	Pass
11n (HT20)	CH157	0.01	30.00	Pass
11n (HT20)	CH165	0.32	30.00	Pass

E.I.R.P PSD

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	E.I.R.P Limit (dBm/MHz)	Verdict
11a	CH36	8.56	9.13	Pass
11a	CH44	8.94	9.13	Pass
11a	CH48	9.12	9.13	Pass
11n (HT20)	CH36	8.76	9.13	Pass
11n (HT20)	CH44	8.93	9.13	Pass
11n (HT20)	CH48	8.83	9.13	Pass

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH52	9.59	Pass
11a	CH60	8.76	Pass
11a	CH64	9.31	Pass
11n (HT20)	CH52	7.06	Pass
11n (HT20)	CH60	7.78	Pass
11n (HT20)	CH64	7.58	Pass

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH100	7.66	Pass
11a	CH116	7.20	Pass
11a	CH140	7.01	Pass
11n (HT20)	CH100	6.12	Pass
11n (HT20)	CH116	5.37	Pass
11n (HT20)	CH140	5.62	Pass

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH149	4.63	Pass
11a	CH157	4.62	Pass
11a	CH165	5.39	Pass
11n (HT20)	CH149	2.80	Pass
11n (HT20)	CH157	3.18	Pass
11n (HT20)	CH165	3.49	Pass

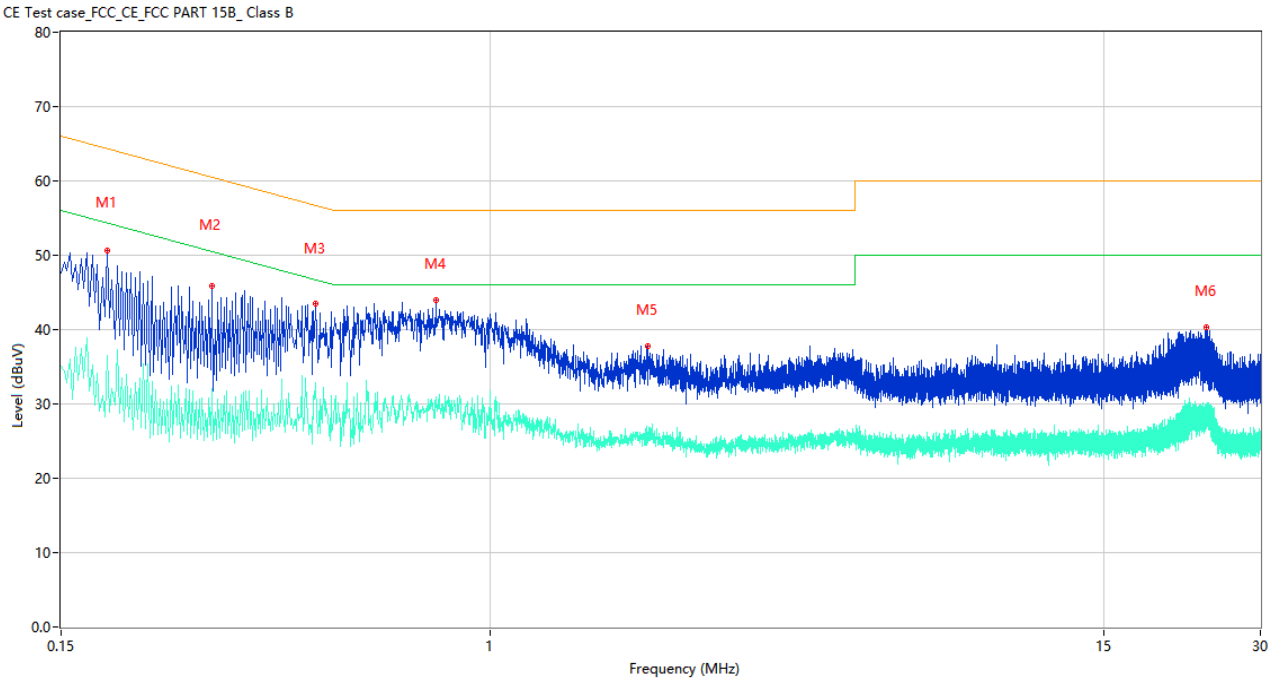
A.5 Conducted Emissions

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

Note [2]: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

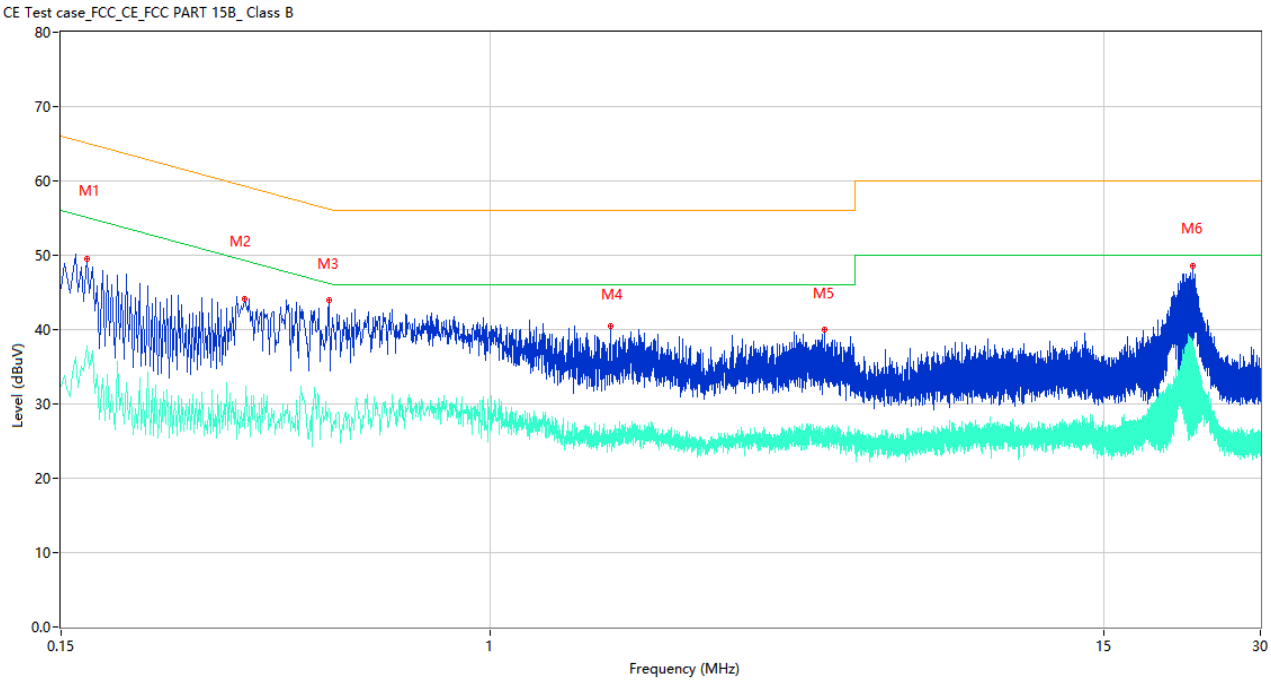
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.184	50.56	9.78	64.30	13.74	Peak	L	Pass
1**	0.184	36.56	9.78	54.30	17.74	AV	L	Pass
2	0.292	45.85	9.76	60.47	14.62	Peak	L	Pass
2**	0.292	31.99	9.76	50.47	18.48	AV	L	Pass
3	0.462	43.49	10.02	56.66	13.17	Peak	L	Pass
3**	0.462	32.90	10.02	46.66	13.76	AV	L	Pass
4	0.786	43.96	10.43	56.00	12.04	Peak	L	Pass
4**	0.786	30.97	10.43	46.00	15.03	AV	L	Pass
5	2.004	37.73	10.25	56.00	18.27	Peak	L	Pass
5**	2.004	25.41	10.25	46.00	20.59	AV	L	Pass
6	23.584	40.27	10.87	60.00	19.73	Peak	L	Pass
6**	23.584	29.29	10.87	50.00	20.71	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.168	49.48	9.78	65.06	15.58	Peak	N	Pass
1**	0.168	37.71	9.78	55.06	17.35	AV	N	Pass
2	0.338	44.06	10.52	59.25	15.19	Peak	N	Pass
2**	0.338	26.65	10.52	49.25	22.60	AV	N	Pass
3	0.490	43.96	9.99	56.17	12.21	Peak	N	Pass
3**	0.490	29.29	9.99	46.17	16.88	AV	N	Pass
4	1.702	40.53	10.19	56.00	15.47	Peak	N	Pass
4**	1.702	26.56	10.19	46.00	19.44	AV	N	Pass
5	4.370	39.95	10.21	56.00	16.05	Peak	N	Pass
5**	4.370	25.69	10.21	46.00	20.31	AV	N	Pass
6	22.220	48.57	11.09	60.00	11.43	Peak	N	Pass
6**	22.220	38.45	11.09	50.00	11.55	AV	N	Pass

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

Note [1]: The symbol of "--" in the table which means not application.

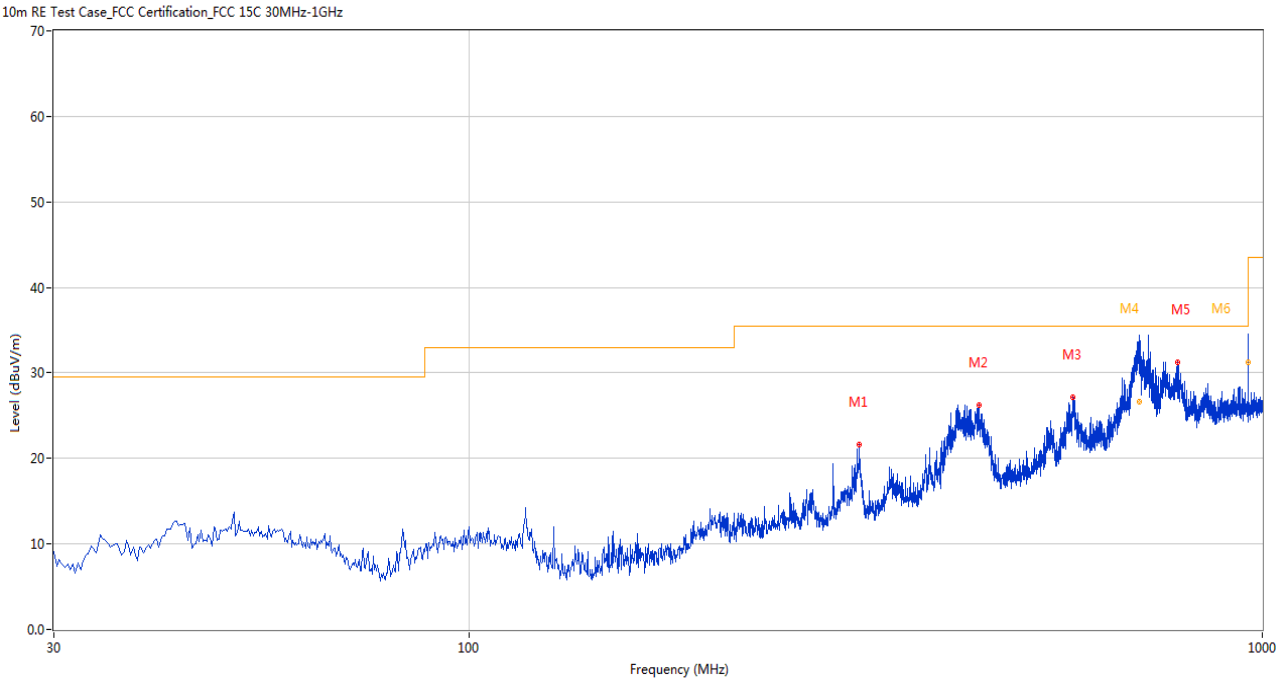
Note [2]: For the test data above 1 GHz，According the ANSI C63.4, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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

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

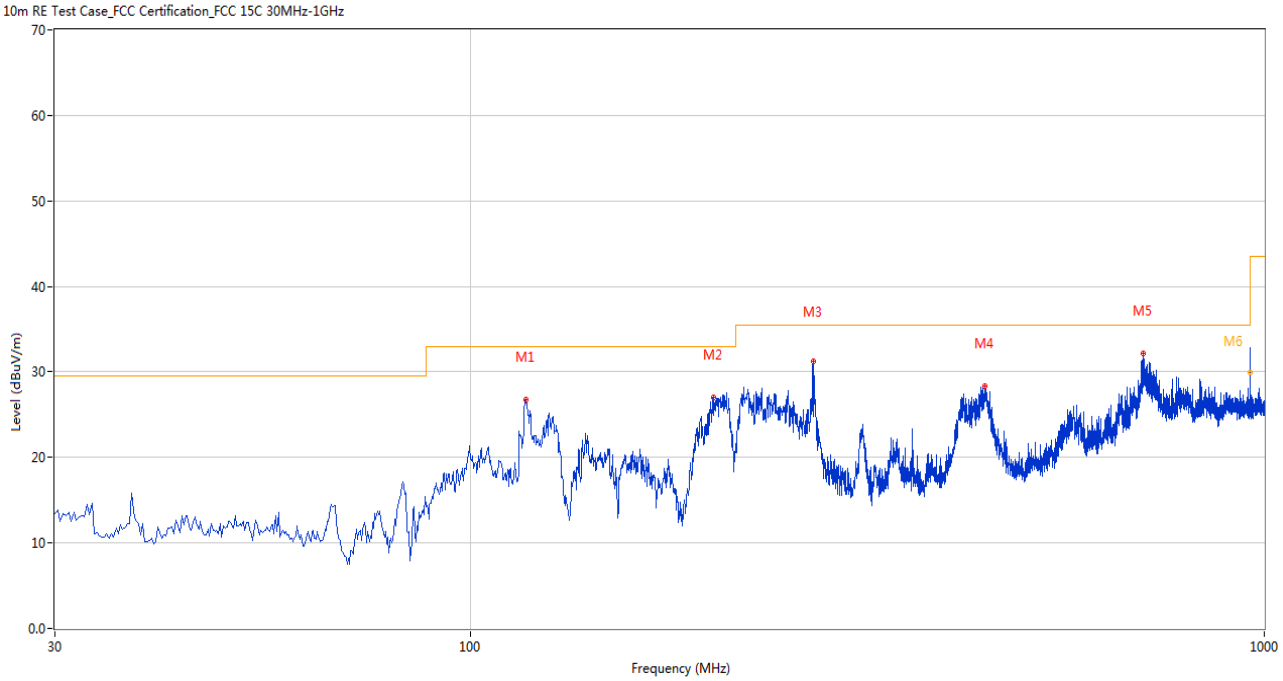
Test Data and Plots

30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	310.502	21.57	-24.64	35.5	13.93	Peak	128.00	200	Horizontal	Pass
2	439.238	26.23	-21.70	35.5	9.27	Peak	143.00	200	Horizontal	Pass
3	576.701	27.12	-18.72	35.5	8.38	Peak	360.00	200	Horizontal	Pass
4	699.308	34.25	-16.39	35.5	1.25	Peak	130.00	126	Horizontal	N/A
4*	699.308	26.58	-16.39	35.5	8.92	QP	130.00	126	Horizontal	Pass
5	783.017	31.29	-14.70	35.5	4.21	Peak	273.00	100	Horizontal	Pass
6	960.012	33.29	-12.02	35.5	2.21	Peak	140.00	190	Horizontal	N/A
6*	960.012	31.26	-12.02	35.5	4.24	QP	140.00	190	Horizontal	Pass

30 MHz to 1 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	117.521	26.77	-29.36	33.0	6.23	Peak	100.00	100	Vertical	Pass
2	202.617	27.08	-27.68	33.0	5.92	Peak	214.00	100	Vertical	Pass
3	270.257	31.27	-26.02	35.5	4.23	Peak	288.00	100	Vertical	Pass
4	445.299	28.38	-21.88	35.5	7.12	Peak	233.00	100	Vertical	Pass
5	704.224	32.11	-16.12	35.5	3.39	Peak	146.00	100	Vertical	Pass
6	960.012	32.11	-12.02	35.5	3.39	Peak	183.00	197	Vertical	Pass
6*	960.012	29.96	-12.02	35.5	5.54	QP	183.00	197	Vertical	Pass

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

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1529.300	38.35	-17.11	74.0	35.65	Peak	360.00	400	Horizontal	Pass
1**	1529.300	28.66	-17.11	54.0	25.34	AV	360.00	400	Horizontal	Pass
2	4397.250	46.72	-5.15	74.0	27.28	Peak	234.00	100	Horizontal	Pass
2**	4397.250	36.83	-5.15	54.0	17.17	AV	234.00	100	Horizontal	Pass
3	5182.500	106.18	-2.34	--	--	Peak	256.00	200	Horizontal	N/A
3**	5182.500	98.81	-2.34	--	--	AV	256.00	200	Horizontal	N/A
4	7349.250	52.93	0.19	74.0	21.07	Peak	8.00	200	Horizontal	Pass
4**	7349.250	44.13	0.19	54.0	9.87	AV	8.00	200	Horizontal	Pass
5	12265.026	52.69	0.94	74.0	21.31	Peak	259.00	100	Horizontal	Pass
5**	12265.026	42.58	0.94	54.0	11.42	AV	259.00	100	Horizontal	Pass
6	16168.537	53.88	2.03	74.0	20.12	Peak	57.00	300	Horizontal	Pass
6**	16168.537	45.22	2.03	54.0	8.78	AV	57.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1447.100	38.55	-16.90	74.0	35.45	Peak	144.00	200	Vertical	Pass
1**	1447.100	28.99	-16.90	54.0	25.01	AV	144.00	200	Vertical	Pass
2	4253.000	47.08	-4.43	74.0	26.92	Peak	70.00	200	Vertical	Pass
2**	4253.000	37.43	-4.43	54.0	16.57	AV	70.00	200	Vertical	Pass
3	5181.500	101.27	-2.37	--	--	Peak	70.00	200	Vertical	N/A
3**	5181.500	93.92	-2.37	--	--	AV	70.00	200	Vertical	N/A
4	7747.500	52.75	0.22	74.0	21.25	Peak	266.00	100	Vertical	Pass
4**	7747.500	43.24	0.22	54.0	10.76	AV	266.00	100	Vertical	Pass
5	12172.875	52.40	0.17	74.0	21.60	Peak	6.00	200	Vertical	Pass
5**	12172.875	43.32	0.17	54.0	10.68	AV	6.00	200	Vertical	Pass
6	15538.537	54.73	1.20	74.0	19.27	Peak	22.00	100	Vertical	Pass
6**	15538.537	45.20	1.20	54.0	8.80	AV	22.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1512.000	38.58	-16.53	74.0	35.42	Peak	93.00	100	Horizontal	Pass
1**	1512.000	29.89	-16.53	54.0	24.11	AV	93.00	100	Horizontal	Pass
2	4266.250	47.01	-4.89	74.0	26.99	Peak	238.00	100	Horizontal	Pass
2**	4266.250	37.74	-4.89	54.0	16.26	AV	238.00	100	Horizontal	Pass
3	5218.750	105.84	-2.94	--	--	Peak	288.00	100	Horizontal	N/A
3**	5218.750	97.34	-2.94	--	--	AV	288.00	100	Horizontal	N/A
4	7575.000	53.23	0.17	74.0	20.77	Peak	360.00	100	Horizontal	Pass
4**	7575.000	42.52	0.17	54.0	11.48	AV	360.00	100	Horizontal	Pass
5	12426.762	52.37	1.07	74.0	21.63	Peak	248.00	200	Horizontal	Pass
5**	12426.762	42.78	1.07	54.0	11.22	AV	248.00	200	Horizontal	Pass
6	16153.312	54.26	2.13	74.0	19.74	Peak	138.00	100	Horizontal	Pass
6**	16153.312	44.47	2.13	54.0	9.53	AV	138.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1481.700	38.91	-17.14	74.0	35.09	Peak	83.00	400	Vertical	Pass
1**	1481.700	28.19	-17.14	54.0	25.81	AV	83.00	400	Vertical	Pass
2	3989.500	47.39	-5.87	74.0	26.61	Peak	171.00	400	Vertical	Pass
2**	3989.500	36.76	-5.87	54.0	17.24	AV	171.00	400	Vertical	Pass
3	5218.750	98.87	-2.94	--	--	Peak	271.00	200	Vertical	N/A
3**	5218.750	92.57	-2.94	--	--	AV	271.00	200	Vertical	N/A
4	7657.000	52.41	1.34	74.0	21.59	Peak	221.00	200	Vertical	Pass
4**	7657.000	43.61	1.34	54.0	10.39	AV	221.00	200	Vertical	Pass
5	11778.625	53.66	-0.17	74.0	20.34	Peak	323.00	100	Vertical	Pass
5**	11778.625	42.45	-0.17	54.0	11.55	AV	323.00	100	Vertical	Pass
6	16185.862	53.39	1.91	74.0	20.61	Peak	242.00	300	Vertical	Pass
6**	16185.862	43.91	1.91	54.0	10.09	AV	242.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1555.400	38.04	-17.43	74.0	35.96	Peak	273.00	100	Horizontal	Pass
1**	1555.400	28.15	-17.43	54.0	25.85	AV	273.00	100	Horizontal	Pass
2	4282.500	46.86	-4.91	74.0	27.14	Peak	116.00	400	Horizontal	Pass
2**	4282.500	37.68	-4.91	54.0	16.32	AV	116.00	400	Horizontal	Pass
3	5242.500	103.77	-2.92	--	--	Peak	284.00	150	Horizontal	N/A
3**	5242.500	96.18	-2.92	--	--	AV	284.00	150	Horizontal	N/A
4	7358.500	53.96	0.90	74.0	20.04	Peak	163.00	200	Horizontal	Pass
4**	7358.500	44.45	0.90	54.0	9.55	AV	163.00	200	Horizontal	Pass
5	11799.050	52.18	-0.15	74.0	21.82	Peak	21.00	100	Horizontal	Pass
5**	11799.050	43.12	-0.15	54.0	10.88	AV	21.00	100	Horizontal	Pass
6	16139.662	54.26	2.07	74.0	19.74	Peak	92.00	100	Horizontal	Pass
6**	16139.662	44.05	2.07	54.0	9.95	AV	92.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1494.500	41.66	-17.35	74.0	32.34	Peak	130.00	100	Vertical	Pass
1**	1494.500	28.38	-17.35	54.0	25.62	AV	130.00	100	Vertical	Pass
2	4319.000	46.66	-4.99	74.0	27.34	Peak	169.00	200	Vertical	Pass
2**	4319.000	37.51	-4.99	54.0	16.49	AV	169.00	200	Vertical	Pass
3	5238.500	98.36	-3.00	--	--	Peak	265.00	150	Vertical	N/A
3**	5238.500	90.58	-3.00	--	--	AV	265.00	150	Vertical	N/A
4	7496.250	53.02	0.84	74.0	20.98	Peak	143.00	100	Vertical	Pass
4**	7496.250	43.42	0.84	54.0	10.58	AV	143.00	100	Vertical	Pass
5	11802.613	52.34	-0.18	74.0	21.66	Peak	219.00	100	Vertical	Pass
5**	11802.613	43.61	-0.18	54.0	10.39	AV	219.00	100	Vertical	Pass
6	16155.675	53.99	2.11	74.0	20.01	Peak	257.00	300	Vertical	Pass
6**	16155.675	45.19	2.11	54.0	8.81	AV	257.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1581.800	38.16	-16.74	74.0	35.84	Peak	0.00	200	Horizontal	Pass
1**	1581.800	29.47	-16.74	54.0	24.53	AV	0.00	200	Horizontal	Pass
2	4253.500	47.23	-4.17	74.0	26.77	Peak	221.00	200	Horizontal	Pass
2**	4253.500	37.94	-4.17	54.0	16.06	AV	221.00	200	Horizontal	Pass
3	5178.000	105.44	-2.54	--	--	Peak	244.00	150	Horizontal	N/A
3**	5178.000	98.49	-2.54	--	--	AV	244.00	150	Horizontal	N/A
4	7473.000	52.81	0.38	74.0	21.19	Peak	244.00	100	Horizontal	Pass
4**	7473.000	43.49	0.38	54.0	10.51	AV	244.00	100	Horizontal	Pass
5	12433.887	52.65	1.06	74.0	21.35	Peak	342.00	200	Horizontal	Pass
5**	12433.887	42.83	1.06	54.0	11.17	AV	342.00	200	Horizontal	Pass
6	16159.350	53.82	2.09	74.0	20.18	Peak	131.00	300	Horizontal	Pass
6**	16159.350	44.63	2.09	54.0	9.37	AV	131.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1614.200	38.92	-16.89	74.0	35.08	Peak	89.00	100	Vertical	Pass
1**	1614.200	28.78	-16.89	54.0	25.22	AV	89.00	100	Vertical	Pass
2	4340.750	47.12	-4.79	74.0	26.88	Peak	293.00	400	Vertical	Pass
2**	4340.750	38.78	-4.79	54.0	15.22	AV	293.00	400	Vertical	Pass
3	5181.500	99.31	-2.37	--	--	Peak	102.00	200	Vertical	N/A
3**	5181.500	92.47	-2.37	--	--	AV	102.00	200	Vertical	N/A
4	7645.500	52.92	1.05	74.0	21.08	Peak	54.00	300	Vertical	Pass
4**	7645.500	44.24	1.05	54.0	9.76	AV	54.00	300	Vertical	Pass
5	12345.775	52.01	0.82	74.0	21.99	Peak	350.00	100	Vertical	Pass
5**	12345.775	43.37	0.82	54.0	10.63	AV	350.00	100	Vertical	Pass
6	16166.700	53.73	2.04	74.0	20.27	Peak	2.00	300	Vertical	Pass
6**	16166.700	45.62	2.04	54.0	8.38	AV	2.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1591.900	38.81	-17.33	74.0	35.19	Peak	360.00	400	Horizontal	Pass
1**	1591.900	29.20	-17.33	54.0	24.80	AV	360.00	400	Horizontal	Pass
2	4255.750	47.81	-3.94	74.0	26.19	Peak	143.00	400	Horizontal	Pass
2**	4255.750	38.48	-3.94	54.0	15.52	AV	143.00	400	Horizontal	Pass
3	5219.000	103.87	-2.84	--	--	Peak	271.00	200	Horizontal	N/A
3**	5219.000	96.93	-2.84	--	--	AV	271.00	200	Horizontal	N/A
4	7365.000	53.25	0.89	74.0	20.75	Peak	245.00	100	Horizontal	Pass
4**	7365.000	43.22	0.89	54.0	10.78	AV	245.00	100	Horizontal	Pass
5	12409.425	52.33	1.09	74.0	21.67	Peak	336.00	150	Horizontal	Pass
5**	12409.425	42.93	1.09	54.0	11.07	AV	336.00	150	Horizontal	Pass
6	16160.663	53.54	2.08	74.0	20.46	Peak	360.00	100	Horizontal	Pass
6**	16160.663	44.80	2.08	54.0	9.20	AV	360.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1443.800	38.40	-16.89	74.0	35.60	Peak	0.00	400	Vertical	Pass
1**	1443.800	29.31	-16.89	54.0	24.69	AV	0.00	400	Vertical	Pass
2	4192.750	46.95	-5.30	74.0	27.05	Peak	94.00	400	Vertical	Pass
2**	4192.750	37.82	-5.30	54.0	16.18	AV	94.00	400	Vertical	Pass
3	5220.750	97.68	-2.93	--	--	Peak	191.00	100	Vertical	N/A
3**	5220.750	90.97	-2.93	--	--	AV	191.00	100	Vertical	N/A
4	7488.250	53.53	1.51	74.0	20.47	Peak	45.00	300	Vertical	Pass
4**	7488.250	44.10	1.51	54.0	9.90	AV	45.00	300	Vertical	Pass
5	11801.662	52.93	-0.16	74.0	21.07	Peak	80.00	200	Vertical	Pass
5**	11801.662	42.73	-0.16	54.0	11.27	AV	80.00	200	Vertical	Pass
6	16173.525	53.94	1.99	74.0	20.06	Peak	179.00	100	Vertical	Pass
6**	16173.525	44.05	1.99	54.0	9.95	AV	179.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1547.000	38.18	-17.25	74.0	35.82	Peak	183.00	300	Horizontal	Pass
1**	1547.000	28.23	-17.25	54.0	25.77	AV	183.00	300	Horizontal	Pass
2	4296.500	46.66	-5.02	74.0	27.34	Peak	92.00	300	Horizontal	Pass
2**	4296.500	37.47	-5.02	54.0	16.53	AV	92.00	300	Horizontal	Pass
3	5238.750	102.76	-2.91	--	--	Peak	238.00	150	Horizontal	N/A
3**	5238.750	95.93	-2.91	--	--	AV	238.00	150	Horizontal	N/A
4	7372.250	52.73	0.63	74.0	21.27	Peak	360.00	400	Horizontal	Pass
4**	7372.250	43.39	0.63	54.0	10.61	AV	360.00	400	Horizontal	Pass
5	11788.363	52.57	-0.16	74.0	21.43	Peak	137.00	200	Horizontal	Pass
5**	11788.363	44.02	-0.16	54.0	9.98	AV	137.00	200	Horizontal	Pass
6	16017.075	53.50	1.20	74.0	20.50	Peak	94.00	300	Horizontal	Pass
6**	16017.075	43.25	1.20	54.0	10.75	AV	94.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1493.500	39.39	-17.16	74.0	34.61	Peak	125.00	200	Vertical	Pass
1**	1493.500	30.86	-17.16	54.0	23.14	AV	125.00	200	Vertical	Pass
2	4336.500	47.08	-4.89	74.0	26.92	Peak	164.00	400	Vertical	Pass
2**	4336.500	37.59	-4.89	54.0	16.41	AV	164.00	400	Vertical	Pass
3	5241.000	96.87	-3.09	--	--	Peak	116.00	100	Vertical	N/A
3**	5241.000	90.62	-3.09	--	--	AV	116.00	100	Vertical	N/A
4	7491.250	53.32	1.20	74.0	20.68	Peak	284.00	200	Vertical	Pass
4**	7491.250	44.14	1.20	54.0	9.86	AV	284.00	200	Vertical	Pass
5	11328.088	52.29	-2.35	74.0	21.71	Peak	304.00	100	Vertical	Pass
5**	11328.088	41.01	-2.35	54.0	12.99	AV	304.00	100	Vertical	Pass
6	16155.938	53.81	2.11	74.0	20.19	Peak	269.00	100	Vertical	Pass
6**	16155.938	44.50	2.11	54.0	9.50	AV	269.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1486.400	38.58	-17.04	74.0	35.42	Peak	82.00	200	Horizontal	Pass
1**	1486.400	29.14	-17.04	54.0	24.86	AV	82.00	200	Horizontal	Pass
2	4276.500	46.74	-4.96	74.0	27.26	Peak	314.00	100	Horizontal	Pass
2**	4276.500	37.51	-4.96	54.0	16.49	AV	314.00	100	Horizontal	Pass
3	5258.000	103.55	-3.19	--	--	Peak	219.00	100	Horizontal	N/A
3**	5258.000	95.17	-3.19	--	--	AV	219.00	100	Horizontal	N/A
4	7487.750	53.37	1.49	74.0	20.63	Peak	192.00	100	Horizontal	Pass
4**	7487.750	44.61	1.49	54.0	9.39	AV	192.00	100	Horizontal	Pass
5	11793.588	52.45	-0.15	74.0	21.55	Peak	8.00	100	Horizontal	Pass
5**	11793.588	43.14	-0.15	54.0	10.86	AV	8.00	100	Horizontal	Pass
6	16160.663	53.63	2.08	74.0	20.37	Peak	32.00	100	Horizontal	Pass
6**	16160.663	44.94	2.08	54.0	9.06	AV	32.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1496.100	39.50	-16.91	74.0	34.50	Peak	113.00	300	Vertical	Pass
1**	1496.100	30.48	-16.91	54.0	23.52	AV	113.00	300	Vertical	Pass
2	4303.750	47.03	-5.28	74.0	26.97	Peak	341.00	400	Vertical	Pass
2**	4303.750	37.38	-5.28	54.0	16.62	AV	341.00	400	Vertical	Pass
3	5261.000	99.30	-3.04	--	--	Peak	75.00	200	Vertical	N/A
3**	5261.000	91.62	-3.04	--	--	AV	75.00	200	Vertical	N/A
4	7364.000	52.54	0.77	74.0	21.46	Peak	341.00	400	Vertical	Pass
4**	7364.000	43.40	0.77	54.0	10.60	AV	341.00	400	Vertical	Pass
5	11784.563	52.10	-0.16	74.0	21.90	Peak	199.00	100	Vertical	Pass
5**	11784.563	44.28	-0.16	54.0	9.72	AV	199.00	100	Vertical	Pass
6	16157.776	53.29	2.10	74.0	20.71	Peak	292.00	300	Vertical	Pass
6**	16157.776	44.98	2.10	54.0	9.02	AV	292.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1513.900	39.04	-16.95	74.0	34.96	Peak	169.00	200	Horizontal	Pass
1**	1513.900	28.80	-16.95	54.0	25.20	AV	169.00	200	Horizontal	Pass
2	4345.750	47.09	-4.80	74.0	26.91	Peak	0.00	400	Horizontal	Pass
2**	4345.750	38.09	-4.80	54.0	15.91	AV	0.00	400	Horizontal	Pass
3	5299.250	101.11	-2.76	--	--	Peak	258.00	100	Horizontal	N/A
3**	5299.250	94.86	-2.76	--	--	AV	258.00	100	Horizontal	N/A
4	7488.750	53.20	1.29	74.0	20.80	Peak	235.00	200	Horizontal	Pass
4**	7488.750	44.76	1.29	54.0	9.24	AV	235.00	200	Horizontal	Pass
5	11792.162	52.27	-0.15	74.0	21.73	Peak	202.00	200	Horizontal	Pass
5**	11792.162	43.32	-0.15	54.0	10.68	AV	202.00	200	Horizontal	Pass
6	16015.762	53.70	1.21	74.0	20.30	Peak	249.00	100	Horizontal	Pass
6**	16015.762	42.97	1.21	54.0	11.03	AV	249.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1581.100	38.38	-17.04	74.0	35.62	Peak	360.00	300	Vertical	Pass
1**	1581.100	28.43	-17.04	54.0	25.57	AV	360.00	300	Vertical	Pass
2	4218.750	46.76	-5.11	74.0	27.24	Peak	352.00	100	Vertical	Pass
2**	4218.750	37.11	-5.11	54.0	16.89	AV	352.00	100	Vertical	Pass
3	5298.250	98.22	-2.76	--	--	Peak	91.00	150	Vertical	N/A
3**	5298.250	91.53	-2.76	--	--	AV	91.00	150	Vertical	N/A
4	7491.000	52.80	1.29	74.0	21.20	Peak	235.00	100	Vertical	Pass
4**	7491.000	44.06	1.29	54.0	9.94	AV	235.00	100	Vertical	Pass
5	12396.363	52.56	1.09	74.0	21.44	Peak	90.00	100	Vertical	Pass
5**	12396.363	42.97	1.09	54.0	11.03	AV	90.00	100	Vertical	Pass
6	16164.076	54.28	2.06	74.0	19.72	Peak	45.00	300	Vertical	Pass
6**	16164.076	44.92	2.06	54.0	9.08	AV	45.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1600.000	38.21	-16.73	74.0	35.79	Peak	298.00	200	Horizontal	Pass
1**	1600.000	29.01	-16.73	54.0	24.99	AV	298.00	200	Horizontal	Pass
2	4072.500	46.71	-5.61	74.0	27.29	Peak	0.00	300	Horizontal	Pass
2**	4072.500	37.22	-5.61	54.0	16.78	AV	0.00	300	Horizontal	Pass
3	5321.250	101.65	-2.95	--	--	Peak	247.00	150	Horizontal	N/A
3**	5321.250	94.55	-2.95	--	--	AV	247.00	150	Horizontal	N/A
4	7350.500	53.57	0.12	74.0	20.43	Peak	59.00	400	Horizontal	Pass
4**	7350.500	44.25	0.12	54.0	9.75	AV	59.00	400	Horizontal	Pass
5	12284.262	52.81	0.73	74.0	21.19	Peak	360.00	100	Horizontal	Pass
5**	12284.262	43.09	0.73	54.0	10.91	AV	360.00	100	Horizontal	Pass
6	16161.713	54.21	2.07	74.0	19.79	Peak	23.00	200	Horizontal	Pass
6**	16161.713	44.30	2.07	54.0	9.70	AV	23.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1495.100	39.24	-17.10	74.0	34.76	Peak	117.00	200	Vertical	Pass
1**	1495.100	29.13	-17.10	54.0	24.87	AV	117.00	200	Vertical	Pass
2	4288.250	46.74	-4.75	74.0	27.26	Peak	167.00	200	Vertical	Pass
2**	4288.250	37.32	-4.75	54.0	16.68	AV	167.00	200	Vertical	Pass
3	5318.000	99.68	-3.10	--	--	Peak	103.00	200	Vertical	N/A
3**	5318.000	92.23	-3.10	--	--	AV	103.00	200	Vertical	N/A
4	7721.000	52.56	0.98	74.0	21.44	Peak	60.00	200	Vertical	Pass
4**	7721.000	44.25	0.98	54.0	9.75	AV	60.00	200	Vertical	Pass
5	11780.763	52.95	-0.16	74.0	21.05	Peak	34.00	200	Vertical	Pass
5**	11780.763	42.88	-0.16	54.0	11.12	AV	34.00	200	Vertical	Pass
6	16176.938	53.96	1.97	74.0	20.04	Peak	220.00	200	Vertical	Pass
6**	16176.938	44.49	1.97	54.0	9.51	AV	220.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1499.500	38.75	-16.95	74.0	35.25	Peak	288.00	400	Horizontal	Pass
1**	1499.500	29.64	-16.95	54.0	24.36	AV	288.00	400	Horizontal	Pass
2	4292.000	47.26	-4.60	74.0	26.74	Peak	0.00	100	Horizontal	Pass
2**	4292.000	37.90	-4.60	54.0	16.10	AV	0.00	100	Horizontal	Pass
3	5258.750	103.64	-3.08	--	--	Peak	246.00	150	Horizontal	N/A
3**	5258.750	95.44	-3.08	--	--	AV	246.00	150	Horizontal	N/A
4	7352.000	52.93	0.35	74.0	21.07	Peak	360.00	100	Horizontal	Pass
4**	7352.000	44.00	0.35	54.0	10.00	AV	360.00	100	Horizontal	Pass
5	11797.862	52.61	-0.15	74.0	21.39	Peak	207.00	200	Horizontal	Pass
5**	11797.862	43.87	-0.15	54.0	10.13	AV	207.00	200	Horizontal	Pass
6	16148.850	54.37	2.14	74.0	19.63	Peak	225.00	200	Horizontal	Pass
6**	16148.850	44.98	2.14	54.0	9.02	AV	225.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1495.300	40.55	-17.09	74.0	33.45	Peak	241.00	300	Vertical	Pass
1**	1495.300	29.29	-17.09	54.0	24.71	AV	241.00	300	Vertical	Pass
2	4314.250	46.89	-4.88	74.0	27.11	Peak	38.00	400	Vertical	Pass
2**	4314.250	37.73	-4.88	54.0	16.27	AV	38.00	400	Vertical	Pass
3	5258.250	98.58	-3.30	--	--	Peak	186.00	150	Vertical	N/A
3**	5258.250	91.25	-3.30	--	--	AV	186.00	150	Vertical	N/A
4	7310.000	52.89	0.68	74.0	21.11	Peak	101.00	400	Vertical	Pass
4**	7310.000	43.73	0.68	54.0	10.27	AV	101.00	400	Vertical	Pass
5	12311.812	52.34	0.62	74.0	21.66	Peak	266.00	100	Vertical	Pass
5**	12311.812	42.30	0.62	54.0	11.70	AV	266.00	100	Vertical	Pass
6	16149.112	53.90	2.14	74.0	20.10	Peak	247.00	200	Vertical	Pass
6**	16149.112	45.36	2.14	54.0	8.64	AV	247.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1572.800	38.21	-16.97	74.0	35.79	Peak	360.00	300	Horizontal	Pass
1**	1572.800	29.13	-16.97	54.0	24.87	AV	360.00	300	Horizontal	Pass
2	4072.000	46.82	-5.59	74.0	27.18	Peak	60.00	400	Horizontal	Pass
2**	4072.000	36.79	-5.59	54.0	17.21	AV	60.00	400	Horizontal	Pass
3	5301.750	99.72	-2.75	--	--	Peak	247.00	200	Horizontal	N/A
3**	5301.750	93.23	-2.75	--	--	AV	247.00	200	Horizontal	N/A
4	7373.250	52.96	0.78	74.0	21.04	Peak	289.00	200	Horizontal	Pass
4**	7373.250	43.27	0.78	54.0	10.73	AV	289.00	200	Horizontal	Pass
5	12401.112	52.43	1.11	74.0	21.57	Peak	302.00	150	Horizontal	Pass
5**	12401.112	43.94	1.11	54.0	10.06	AV	302.00	150	Horizontal	Pass
6	16159.875	54.42	2.09	74.0	19.58	Peak	332.00	400	Horizontal	Pass
6**	16159.875	45.52	2.09	54.0	8.48	AV	332.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1499.100	39.58	-16.90	74.0	34.42	Peak	254.00	300	Vertical	Pass
1**	1499.100	29.30	-16.90	54.0	24.70	AV	254.00	300	Vertical	Pass
2	4204.500	47.14	-5.22	74.0	26.86	Peak	311.00	100	Vertical	Pass
2**	4204.500	37.66	-5.22	54.0	16.34	AV	311.00	100	Vertical	Pass
3	5300.750	97.84	-2.77	--	--	Peak	102.00	200	Vertical	N/A
3**	5300.750	90.80	-2.77	--	--	AV	102.00	200	Vertical	N/A
4	7361.000	52.76	0.77	74.0	21.24	Peak	60.00	200	Vertical	Pass
4**	7361.000	43.28	0.77	54.0	10.72	AV	60.00	200	Vertical	Pass
5	11690.750	52.71	-0.67	74.0	21.29	Peak	161.00	150	Vertical	Pass
5**	11690.750	42.34	-0.67	54.0	11.66	AV	161.00	150	Vertical	Pass
6	16159.875	53.90	2.09	74.0	20.10	Peak	184.00	200	Vertical	Pass
6**	16159.875	44.99	2.09	54.0	9.01	AV	184.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1510.400	38.50	-17.10	74.0	35.50	Peak	168.00	200	Horizontal	Pass
1**	1510.400	29.52	-17.10	54.0	24.48	AV	168.00	200	Horizontal	Pass
2	4351.500	47.05	-4.51	74.0	26.95	Peak	271.00	100	Horizontal	Pass
2**	4351.500	37.85	-4.51	54.0	16.15	AV	271.00	100	Horizontal	Pass
3	5321.250	100.63	-2.95	--	--	Peak	250.00	150	Horizontal	N/A
3**	5321.250	92.77	-2.95	--	--	AV	250.00	150	Horizontal	N/A
4	7326.000	53.42	0.05	74.0	20.58	Peak	250.00	400	Horizontal	Pass
4**	7326.000	42.60	0.05	54.0	11.40	AV	250.00	400	Horizontal	Pass
5	12412.037	51.86	1.09	74.0	22.14	Peak	19.00	100	Horizontal	Pass
5**	12412.037	42.96	1.09	54.0	11.04	AV	19.00	100	Horizontal	Pass
6	16169.850	53.61	2.02	74.0	20.39	Peak	184.00	200	Horizontal	Pass
6**	16169.850	45.15	2.02	54.0	8.85	AV	184.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1496.900	41.29	-16.77	74.0	32.71	Peak	125.00	200	Vertical	Pass
1**	1496.900	29.34	-16.77	54.0	24.66	AV	125.00	200	Vertical	Pass
2	4293.250	47.21	-4.91	74.0	26.79	Peak	191.00	300	Vertical	Pass
2**	4293.250	37.40	-4.91	54.0	16.60	AV	191.00	300	Vertical	Pass
3	5318.500	98.82	-3.13	--	--	Peak	104.00	100	Vertical	N/A
3**	5318.500	91.03	-3.13	--	--	AV	104.00	100	Vertical	N/A
4	7494.500	53.01	1.15	74.0	20.99	Peak	169.00	300	Vertical	Pass
4**	7494.500	43.61	1.15	54.0	10.39	AV	169.00	300	Vertical	Pass
5	11790.262	52.55	-0.15	74.0	21.45	Peak	360.00	200	Vertical	Pass
5**	11790.262	42.73	-0.15	54.0	11.27	AV	360.00	200	Vertical	Pass
6	16175.100	54.18	1.98	74.0	19.82	Peak	262.00	400	Vertical	Pass
6**	16175.100	44.99	1.98	54.0	9.01	AV	262.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1438.700	38.67	-16.96	74.0	35.33	Peak	48.00	400	Horizontal	Pass
1**	1438.700	29.09	-16.96	54.0	24.91	AV	48.00	400	Horizontal	Pass
2	4320.750	46.85	-4.72	74.0	27.15	Peak	188.00	200	Horizontal	Pass
2**	4320.750	37.86	-4.72	54.0	16.14	AV	188.00	200	Horizontal	Pass
3	5498.500	99.27	-2.65	--	--	Peak	271.00	100	Horizontal	N/A
3**	5498.500	90.78	-2.65	--	--	AV	271.00	100	Horizontal	N/A
4	7627.000	52.91	0.36	74.0	21.09	Peak	188.00	200	Horizontal	Pass
4**	7627.000	43.76	0.36	54.0	10.24	AV	188.00	200	Horizontal	Pass
5	11799.050	52.93	-0.15	74.0	21.07	Peak	2.00	150	Horizontal	Pass
5**	11799.050	43.00	-0.15	54.0	11.00	AV	2.00	150	Horizontal	Pass
6	16158.037	54.06	2.10	74.0	19.94	Peak	0.00	200	Horizontal	Pass
6**	16158.037	44.83	2.10	54.0	9.17	AV	0.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1497.700	39.58	-16.88	74.0	34.42	Peak	244.00	400	Vertical	Pass
1**	1497.700	29.06	-16.88	54.0	24.94	AV	244.00	400	Vertical	Pass
2	4262.500	47.37	-4.38	74.0	26.63	Peak	115.00	300	Vertical	Pass
2**	4262.500	37.87	-4.38	54.0	16.13	AV	115.00	300	Vertical	Pass
3	5500.750	98.87	-2.81	--	--	Peak	186.00	200	Vertical	N/A
3**	5500.750	91.54	-2.81	--	--	AV	186.00	200	Vertical	N/A
4	7490.750	53.09	1.51	74.0	20.91	Peak	305.00	100	Vertical	Pass
4**	7490.750	44.24	1.51	54.0	9.76	AV	305.00	100	Vertical	Pass
5	11786.937	52.86	-0.16	74.0	21.14	Peak	100.00	150	Vertical	Pass
5**	11786.937	43.57	-0.16	54.0	10.43	AV	100.00	150	Vertical	Pass
6	16179.037	54.04	1.96	74.0	19.96	Peak	84.00	200	Vertical	Pass
6**	16179.037	45.20	1.96	54.0	8.80	AV	84.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1533.200	38.27	-17.07	74.0	35.73	Peak	0.00	100	Horizontal	Pass
1**	1533.200	28.26	-17.07	54.0	25.74	AV	0.00	100	Horizontal	Pass
2	4251.750	47.00	-4.28	74.0	27.00	Peak	114.00	100	Horizontal	Pass
2**	4251.750	37.04	-4.28	54.0	16.96	AV	114.00	100	Horizontal	Pass
3	5578.750	100.37	-2.08	--	--	Peak	256.00	200	Horizontal	N/A
3**	5578.750	92.94	-2.08	--	--	AV	256.00	200	Horizontal	N/A
4	7731.750	53.19	0.39	74.0	20.81	Peak	161.00	300	Horizontal	Pass
4**	7731.750	43.09	0.39	54.0	10.91	AV	161.00	300	Horizontal	Pass
5	11159.224	54.27	-1.75	74.0	19.73	Peak	65.00	150	Horizontal	Pass
5**	11159.224	45.78	-1.75	54.0	8.22	AV	65.00	150	Horizontal	Pass
6	16168.013	53.87	2.03	74.0	20.13	Peak	239.00	100	Horizontal	Pass
6**	16168.013	44.66	2.03	54.0	9.34	AV	239.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1497.500	41.16	-16.89	74.0	32.84	Peak	257.00	100	Vertical	Pass
1**	1497.500	29.91	-16.89	54.0	24.09	AV	257.00	100	Vertical	Pass
2	4332.000	47.70	-4.62	74.0	26.30	Peak	0.00	400	Vertical	Pass
2**	4332.000	37.84	-4.62	54.0	16.16	AV	0.00	400	Vertical	Pass
3	5578.000	102.11	-2.09	--	--	Peak	160.00	100	Vertical	N/A
3**	5578.000	93.34	-2.09	--	--	AV	160.00	100	Vertical	N/A
4	7362.250	52.94	0.76	74.0	21.06	Peak	137.00	300	Vertical	Pass
4**	7362.250	44.43	0.76	54.0	9.57	AV	137.00	300	Vertical	Pass
5	11163.025	53.68	-1.86	74.0	20.32	Peak	31.00	200	Vertical	Pass
5**	11163.025	44.44	-1.86	54.0	9.56	AV	31.00	200	Vertical	Pass
6	16151.474	53.66	2.14	74.0	20.34	Peak	0.00	100	Vertical	Pass
6**	16151.474	44.96	2.14	54.0	9.04	AV	0.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1571.800	38.89	-17.11	74.0	35.11	Peak	325.00	200	Horizontal	Pass
1**	1571.800	28.84	-17.11	54.0	25.16	AV	325.00	200	Horizontal	Pass
2	4209.250	46.98	-5.14	74.0	27.02	Peak	151.00	400	Horizontal	Pass
2**	4209.250	37.58	-5.14	54.0	16.42	AV	151.00	400	Horizontal	Pass
3	5701.000	97.44	-2.25	--	--	Peak	173.00	200	Horizontal	N/A
3**	5701.000	90.82	-2.25	--	--	AV	173.00	200	Horizontal	N/A
4	7496.500	53.19	0.73	74.0	20.81	Peak	173.00	300	Horizontal	Pass
4**	7496.500	43.74	0.73	54.0	10.26	AV	173.00	300	Horizontal	Pass
5	11393.162	55.15	-1.82	74.0	18.85	Peak	52.00	200	Horizontal	Pass
5**	11393.162	42.48	-1.82	54.0	11.52	AV	52.00	200	Horizontal	Pass
6	16196.888	53.34	1.83	74.0	20.66	Peak	0.00	400	Horizontal	Pass
6**	16196.888	43.54	1.83	54.0	10.46	AV	0.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1538.500	38.42	-17.49	74.0	35.58	Peak	162.00	300	Vertical	Pass
1**	1538.500	29.15	-17.49	54.0	24.85	AV	162.00	300	Vertical	Pass
2	4255.750	47.00	-3.94	74.0	27.00	Peak	315.00	100	Vertical	Pass
2**	4255.750	38.87	-3.94	54.0	15.13	AV	315.00	100	Vertical	Pass
3	5698.500	101.91	-2.31	--	--	Peak	151.00	200	Vertical	N/A
3**	5698.500	94.18	-2.31	--	--	AV	151.00	200	Vertical	N/A
4	7740.500	52.91	0.65	74.0	21.09	Peak	10.00	100	Vertical	Pass
4**	7740.500	43.98	0.65	54.0	10.02	AV	10.00	100	Vertical	Pass
5	11397.437	52.60	-1.77	74.0	21.40	Peak	43.00	150	Vertical	Pass
5**	11397.437	43.67	-1.77	54.0	10.33	AV	43.00	150	Vertical	Pass
6	16145.963	53.95	2.12	74.0	20.05	Peak	10.00	200	Vertical	Pass
6**	16145.963	44.60	2.12	54.0	9.40	AV	10.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1619.100	38.56	-16.86	74.0	35.44	Peak	291.00	400	Horizontal	Pass
1**	1619.100	29.23	-16.86	54.0	24.77	AV	291.00	400	Horizontal	Pass
2	4366.750	47.01	-4.85	74.0	26.99	Peak	17.00	300	Horizontal	Pass
2**	4366.750	37.97	-4.85	54.0	16.03	AV	17.00	300	Horizontal	Pass
3	5498.750	97.67	-2.54	--	--	Peak	274.00	100	Horizontal	N/A
3**	5498.750	90.07	-2.54	--	--	AV	274.00	100	Horizontal	N/A
4	7484.500	53.25	1.16	74.0	20.75	Peak	358.00	400	Horizontal	Pass
4**	7484.500	43.86	1.16	54.0	10.14	AV	358.00	400	Horizontal	Pass
5	12443.150	52.64	1.05	74.0	21.36	Peak	285.00	100	Horizontal	Pass
5**	12443.150	42.22	1.05	54.0	11.78	AV	285.00	100	Horizontal	Pass
6	16172.474	54.02	2.00	74.0	19.98	Peak	282.00	200	Horizontal	Pass
6**	16172.474	45.07	2.00	54.0	8.93	AV	282.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1498.100	38.79	-16.87	74.0	35.21	Peak	122.00	200	Vertical	Pass
1**	1498.100	29.30	-16.87	54.0	24.70	AV	122.00	200	Vertical	Pass
2	4263.750	47.14	-4.69	74.0	26.86	Peak	176.00	100	Vertical	Pass
2**	4263.750	37.43	-4.69	54.0	16.57	AV	176.00	100	Vertical	Pass
3	5499.000	99.08	-2.62	--	--	Peak	176.00	150	Vertical	N/A
3**	5499.000	92.11	-2.62	--	--	AV	176.00	150	Vertical	N/A
4	7357.000	53.32	0.81	74.0	20.68	Peak	225.00	300	Vertical	Pass
4**	7357.000	44.28	0.81	54.0	9.72	AV	225.00	300	Vertical	Pass
5	11791.213	52.28	-0.15	74.0	21.72	Peak	349.00	150	Vertical	Pass
5**	11791.213	43.69	-0.15	54.0	10.31	AV	349.00	150	Vertical	Pass
6	16149.112	54.66	2.14	74.0	19.34	Peak	94.00	400	Vertical	Pass
6**	16149.112	44.06	2.14	54.0	9.94	AV	94.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1626.400	38.47	-16.70	74.0	35.53	Peak	242.00	400	Horizontal	Pass
1**	1626.400	29.02	-16.70	54.0	24.98	AV	242.00	400	Horizontal	Pass
2	4038.500	46.70	-5.46	74.0	27.30	Peak	276.00	300	Horizontal	Pass
2**	4038.500	37.02	-5.46	54.0	16.98	AV	276.00	300	Horizontal	Pass
3	5579.000	98.95	-2.09	--	--	Peak	103.00	200	Horizontal	N/A
3**	5579.000	90.74	-2.09	--	--	AV	103.00	200	Horizontal	N/A
4	7360.000	52.63	0.78	74.0	21.37	Peak	297.00	200	Horizontal	Pass
4**	7360.000	43.66	0.78	54.0	10.34	AV	297.00	200	Horizontal	Pass
5	11776.250	51.74	-0.17	74.0	22.26	Peak	196.00	100	Horizontal	Pass
5**	11776.250	43.03	-0.17	54.0	10.97	AV	196.00	100	Horizontal	Pass
6	16161.188	53.68	2.08	74.0	20.32	Peak	41.00	100	Horizontal	Pass
6**	16161.188	45.33	2.08	54.0	8.67	AV	41.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1493.500	39.31	-17.16	74.0	34.69	Peak	323.00	300	Vertical	Pass
1**	1493.500	28.69	-17.16	54.0	25.31	AV	323.00	300	Vertical	Pass
2	4228.250	46.95	-5.38	74.0	27.05	Peak	321.00	200	Vertical	Pass
2**	4228.250	36.60	-5.38	54.0	17.40	AV	321.00	200	Vertical	Pass
3	5581.000	100.36	-1.98	--	--	Peak	167.00	200	Vertical	N/A
3**	5581.000	94.44	-1.98	--	--	AV	167.00	200	Vertical	N/A
4	7479.000	52.46	0.59	74.0	21.54	Peak	342.00	200	Vertical	Pass
4**	7479.000	43.73	0.59	54.0	10.27	AV	342.00	200	Vertical	Pass
5	11155.662	53.34	-1.63	74.0	20.66	Peak	36.00	100	Vertical	Pass
5**	11155.662	43.55	-1.63	54.0	10.45	AV	36.00	100	Vertical	Pass
6	16176.675	53.94	1.97	74.0	20.06	Peak	248.00	400	Vertical	Pass
6**	16176.675	44.87	1.97	54.0	9.13	AV	248.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1560.000	38.70	-17.04	74.0	35.30	Peak	233.00	200	Horizontal	Pass
1**	1560.000	29.85	-17.04	54.0	24.15	AV	233.00	200	Horizontal	Pass
2	4049.750	47.05	-5.36	74.0	26.95	Peak	75.00	100	Horizontal	Pass
2**	4049.750	36.93	-5.36	54.0	17.07	AV	75.00	100	Horizontal	Pass
3	5701.500	98.62	-2.41	--	--	Peak	117.00	100	Horizontal	N/A
3**	5701.500	92.69	-2.41	--	--	AV	117.00	100	Horizontal	N/A
4	7297.250	53.16	-0.51	74.0	20.84	Peak	324.00	100	Horizontal	Pass
4**	7297.250	43.12	-0.51	54.0	10.88	AV	324.00	100	Horizontal	Pass
5	11798.813	52.66	-0.15	74.0	21.34	Peak	115.00	150	Horizontal	Pass
5**	11798.813	43.70	-0.15	54.0	10.30	AV	115.00	150	Horizontal	Pass
6	16172.474	53.06	2.00	74.0	20.94	Peak	143.00	400	Horizontal	Pass
6**	16172.474	45.71	2.00	54.0	8.29	AV	143.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1499.000	39.10	-16.94	74.0	34.90	Peak	246.00	400	Vertical	Pass
1**	1499.000	30.04	-16.94	54.0	23.96	AV	246.00	400	Vertical	Pass
2	3992.000	46.56	-5.82	74.0	27.44	Peak	112.00	100	Vertical	Pass
2**	3992.000	37.08	-5.82	54.0	16.92	AV	112.00	100	Vertical	Pass
3	5701.750	100.79	-2.44	--	--	Peak	154.00	150	Vertical	N/A
3**	5701.750	92.82	-2.44	--	--	AV	154.00	150	Vertical	N/A
4	7602.500	53.64	0.65	74.0	20.36	Peak	344.00	400	Vertical	Pass
4**	7602.500	42.44	0.65	54.0	11.56	AV	344.00	400	Vertical	Pass
5	11804.512	53.49	-0.20	74.0	20.51	Peak	298.00	100	Vertical	Pass
5**	11804.512	42.92	-0.20	54.0	11.08	AV	298.00	100	Vertical	Pass
6	16160.400	54.24	2.08	74.0	19.76	Peak	271.00	400	Vertical	Pass
6**	16160.400	44.30	2.08	54.0	9.70	AV	271.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1582.300	38.30	-16.82	74.0	35.70	Peak	23.00	300	Horizontal	Pass
1**	1582.300	28.96	-16.82	54.0	25.04	AV	23.00	300	Horizontal	Pass
2	4208.500	46.72	-4.87	74.0	27.28	Peak	0.00	100	Horizontal	Pass
2**	4208.500	37.32	-4.87	54.0	16.68	AV	0.00	100	Horizontal	Pass
3	5746.250	99.33	-1.99	--	--	Peak	178.00	200	Horizontal	N/A
3**	5746.250	92.92	-1.99	--	--	AV	178.00	200	Horizontal	N/A
4	7728.500	52.42	0.30	74.0	21.58	Peak	324.00	100	Horizontal	Pass
4**	7728.500	42.85	0.30	54.0	11.15	AV	324.00	100	Horizontal	Pass
5	12168.125	52.20	0.13	74.0	21.80	Peak	60.00	100	Horizontal	Pass
5**	12168.125	42.45	0.13	54.0	11.55	AV	60.00	100	Horizontal	Pass
6	16175.887	53.62	1.98	74.0	20.38	Peak	189.00	300	Horizontal	Pass
6**	16175.887	44.79	1.98	54.0	9.21	AV	189.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1559.000	38.23	-17.14	74.0	35.77	Peak	360.00	200	Vertical	Pass
1**	1559.000	29.50	-17.14	54.0	24.50	AV	360.00	200	Vertical	Pass
2	4280.000	46.54	-4.57	74.0	27.46	Peak	322.00	200	Vertical	Pass
2**	4280.000	38.51	-4.57	54.0	15.49	AV	322.00	200	Vertical	Pass
3	5744.500	103.67	-1.87	--	--	Peak	133.00	100	Vertical	N/A
3**	5744.500	97.14	-1.87	--	--	AV	133.00	100	Vertical	N/A
4	7659.500	52.89	1.11	74.0	21.11	Peak	239.00	100	Vertical	Pass
4**	7659.500	43.90	1.11	54.0	10.10	AV	239.00	100	Vertical	Pass
5	11487.213	52.48	-0.81	74.0	21.52	Peak	70.00	100	Vertical	Pass
5**	11487.213	43.26	-0.81	54.0	10.74	AV	70.00	100	Vertical	Pass
6	16176.151	53.68	1.97	74.0	20.32	Peak	248.00	400	Vertical	Pass
6**	16176.151	44.40	1.97	54.0	9.60	AV	248.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1575.000	38.20	-16.83	74.0	35.80	Peak	239.00	100	Horizontal	Pass
1**	1575.000	29.64	-16.83	54.0	24.36	AV	239.00	100	Horizontal	Pass
2	4209.500	47.17	-5.10	74.0	26.83	Peak	92.00	100	Horizontal	Pass
2**	4209.500	38.02	-5.10	54.0	15.98	AV	92.00	100	Horizontal	Pass
3	5784.000	100.54	-2.66	--	--	Peak	360.00	150	Horizontal	N/A
3**	5784.000	93.04	-2.66	--	--	AV	360.00	150	Horizontal	N/A
4	7713.000	52.86	1.75	74.0	21.14	Peak	92.00	200	Horizontal	Pass
4**	7713.000	44.49	1.75	54.0	9.51	AV	92.00	200	Horizontal	Pass
5	12434.600	52.57	1.06	74.0	21.43	Peak	339.00	100	Horizontal	Pass
5**	12434.600	42.45	1.06	54.0	11.55	AV	339.00	100	Horizontal	Pass
6	16163.287	53.65	2.06	74.0	20.35	Peak	56.00	400	Horizontal	Pass
6**	16163.287	45.00	2.06	54.0	9.00	AV	56.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1498.300	39.26	-16.91	74.0	34.74	Peak	112.00	300	Vertical	Pass
1**	1498.300	28.94	-16.91	54.0	25.06	AV	112.00	300	Vertical	Pass
2	4332.250	47.09	-4.70	74.0	26.91	Peak	360.00	400	Vertical	Pass
2**	4332.250	38.02	-4.70	54.0	15.98	AV	360.00	400	Vertical	Pass
3	5786.250	102.33	-2.30	--	--	Peak	170.00	200	Vertical	N/A
3**	5786.250	95.85	-2.30	--	--	AV	170.00	200	Vertical	N/A
4	7713.500	53.34	1.71	74.0	20.66	Peak	246.00	400	Vertical	Pass
4**	7713.500	47.35	1.71	54.0	6.65	AV	246.00	400	Vertical	Pass
5	11569.150	54.34	-1.00	74.0	19.66	Peak	53.00	150	Vertical	Pass
5**	11569.150	43.13	-1.00	54.0	10.87	AV	53.00	150	Vertical	Pass
6	16168.537	53.63	2.03	74.0	20.37	Peak	246.00	300	Vertical	Pass
6**	16168.537	44.59	2.03	54.0	9.41	AV	246.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1612.900	37.94	-16.63	74.0	36.06	Peak	58.00	300	Horizontal	Pass
1**	1612.900	30.29	-16.63	54.0	23.71	AV	58.00	300	Horizontal	Pass
2	4349.000	46.57	-4.63	74.0	27.43	Peak	329.00	300	Horizontal	Pass
2**	4349.000	37.35	-4.63	54.0	16.65	AV	329.00	300	Horizontal	Pass
3	5823.500	100.09	-2.77	--	--	Peak	353.00	150	Horizontal	N/A
3**	5823.500	93.66	-2.77	--	--	AV	353.00	150	Horizontal	N/A
4	7740.500	52.82	0.65	74.0	21.18	Peak	280.00	400	Horizontal	Pass
4**	7740.500	43.90	0.65	54.0	10.10	AV	280.00	400	Horizontal	Pass
5	12420.112	52.05	1.08	74.0	21.95	Peak	341.00	100	Horizontal	Pass
5**	12420.112	42.34	1.08	54.0	11.66	AV	341.00	100	Horizontal	Pass
6	16150.950	53.52	2.15	74.0	20.48	Peak	223.00	300	Horizontal	Pass
6**	16150.950	44.10	2.15	54.0	9.90	AV	223.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1456.400	38.28	-17.05	74.0	35.72	Peak	360.00	200	Vertical	Pass
1**	1456.400	28.44	-17.05	54.0	25.56	AV	360.00	200	Vertical	Pass
2	4349.500	47.33	-4.48	74.0	26.67	Peak	182.00	200	Vertical	Pass
2**	4349.500	38.01	-4.48	54.0	15.99	AV	182.00	200	Vertical	Pass
3	5823.750	103.00	-2.78	--	--	Peak	160.00	200	Vertical	N/A
3**	5823.750	95.62	-2.78	--	--	AV	160.00	200	Vertical	N/A
4	7489.250	52.52	1.40	74.0	21.48	Peak	345.00	200	Vertical	Pass
4**	7489.250	43.28	1.40	54.0	10.72	AV	345.00	200	Vertical	Pass
5	11793.825	52.38	-0.15	74.0	21.62	Peak	75.00	200	Vertical	Pass
5**	11793.825	42.74	-0.15	54.0	11.26	AV	75.00	200	Vertical	Pass
6	16101.338	53.26	1.76	74.0	20.74	Peak	353.00	100	Vertical	Pass
6**	16101.338	43.06	1.76	54.0	10.94	AV	353.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1496.400	38.32	-16.84	74.0	35.68	Peak	91.00	100	Horizontal	Pass
1**	1496.400	28.43	-16.84	54.0	25.57	AV	91.00	100	Horizontal	Pass
2	4356.250	46.93	-4.80	74.0	27.07	Peak	196.00	400	Horizontal	Pass
2**	4356.250	38.05	-4.80	54.0	15.95	AV	196.00	400	Horizontal	Pass
3	5746.000	98.16	-2.00	--	--	Peak	258.00	100	Horizontal	N/A
3**	5746.000	92.08	-2.00	--	--	AV	258.00	100	Horizontal	N/A
4	7660.500	52.31	0.97	74.0	21.69	Peak	196.00	400	Horizontal	Pass
4**	7660.500	44.56	0.97	54.0	9.44	AV	196.00	400	Horizontal	Pass
5	11795.250	52.11	-0.15	74.0	21.89	Peak	67.00	150	Horizontal	Pass
5**	11795.250	43.05	-0.15	54.0	10.95	AV	67.00	150	Horizontal	Pass
6	16159.612	53.92	2.09	74.0	20.08	Peak	89.00	100	Horizontal	Pass
6**	16159.612	45.59	2.09	54.0	8.41	AV	89.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1494.300	38.60	-17.22	74.0	35.40	Peak	114.00	100	Vertical	Pass
1**	1494.300	28.84	-17.22	54.0	25.16	AV	114.00	100	Vertical	Pass
2	4309.250	47.48	-4.93	74.0	26.52	Peak	0.00	300	Vertical	Pass
2**	4309.250	37.02	-4.93	54.0	16.98	AV	0.00	300	Vertical	Pass
3	5744.250	101.64	-1.96	--	--	Peak	128.00	150	Vertical	N/A
3**	5744.250	94.12	-1.96	--	--	AV	128.00	150	Vertical	N/A
4	7479.000	53.03	0.59	74.0	20.97	Peak	199.00	400	Vertical	Pass
4**	7479.000	43.34	0.59	54.0	10.66	AV	199.00	400	Vertical	Pass
5	12185.224	52.23	0.28	74.0	21.77	Peak	360.00	100	Vertical	Pass
5**	12185.224	41.86	0.28	54.0	12.14	AV	360.00	100	Vertical	Pass
6	16155.675	53.72	2.11	74.0	20.28	Peak	158.00	100	Vertical	Pass
6**	16155.675	45.15	2.11	54.0	8.85	AV	158.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1485.600	37.98	-17.00	74.0	36.02	Peak	335.00	100	Horizontal	Pass
1**	1485.600	29.06	-17.00	54.0	24.94	AV	335.00	100	Horizontal	Pass
2	4352.750	47.16	-4.62	74.0	26.84	Peak	184.00	100	Horizontal	Pass
2**	4352.750	37.96	-4.62	54.0	16.04	AV	184.00	100	Horizontal	Pass
3	5786.000	99.14	-2.41	--	--	Peak	355.00	200	Horizontal	N/A
3**	5786.000	91.48	-2.41	--	--	AV	355.00	200	Horizontal	N/A
4	7713.250	52.86	1.67	74.0	21.14	Peak	360.00	100	Horizontal	Pass
4**	7713.250	45.22	1.67	54.0	8.78	AV	360.00	100	Horizontal	Pass
5	11576.513	53.29	-0.91	74.0	20.71	Peak	24.00	100	Horizontal	Pass
5**	11576.513	43.45	-0.91	54.0	10.55	AV	24.00	100	Horizontal	Pass
6	16179.299	53.28	1.95	74.0	20.72	Peak	30.00	200	Horizontal	Pass
6**	16179.299	44.63	1.95	54.0	9.37	AV	30.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1551.000	38.15	-17.20	74.0	35.85	Peak	112.00	300	Vertical	Pass
1**	1551.000	28.01	-17.20	54.0	25.99	AV	112.00	300	Vertical	Pass
2	4246.500	46.63	-4.30	74.0	27.37	Peak	297.00	100	Vertical	Pass
2**	4246.500	38.15	-4.30	54.0	15.85	AV	297.00	100	Vertical	Pass
3	5786.250	101.83	-2.30	--	--	Peak	160.00	100	Vertical	N/A
3**	5786.250	93.97	-2.30	--	--	AV	160.00	100	Vertical	N/A
4	7713.250	53.76	1.67	74.0	20.24	Peak	252.00	300	Vertical	Pass
4**	7713.250	46.71	1.67	54.0	7.29	AV	252.00	300	Vertical	Pass
5	11797.387	51.70	-0.15	74.0	22.30	Peak	298.00	150	Vertical	Pass
5**	11797.387	43.31	-0.15	54.0	10.69	AV	298.00	150	Vertical	Pass
6	16166.175	53.82	2.04	74.0	20.18	Peak	312.00	200	Vertical	Pass
6**	16166.175	44.38	2.04	54.0	9.62	AV	312.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1511.300	38.19	-16.81	74.0	35.81	Peak	336.00	100	Horizontal	Pass
1**	1511.300	28.48	-16.81	54.0	25.52	AV	336.00	100	Horizontal	Pass
2	4264.500	46.32	-5.00	74.0	27.68	Peak	17.00	300	Horizontal	Pass
2**	4264.500	37.68	-5.00	54.0	16.32	AV	17.00	300	Horizontal	Pass
3	5825.750	99.36	-2.64	--	--	Peak	348.00	100	Horizontal	N/A
3**	5825.750	91.98	-2.64	--	--	AV	348.00	100	Horizontal	N/A
4	7496.000	52.84	1.05	74.0	21.16	Peak	68.00	300	Horizontal	Pass
4**	7496.000	43.65	1.05	54.0	10.35	AV	68.00	300	Horizontal	Pass
5	12435.313	51.94	1.06	74.0	22.06	Peak	177.00	150	Horizontal	Pass
5**	12435.313	42.37	1.06	54.0	11.63	AV	177.00	150	Horizontal	Pass
6	16165.125	54.33	2.05	74.0	19.67	Peak	280.00	200	Horizontal	Pass
6**	16165.125	44.94	2.05	54.0	9.06	AV	280.00	200	Horizontal	Pass

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

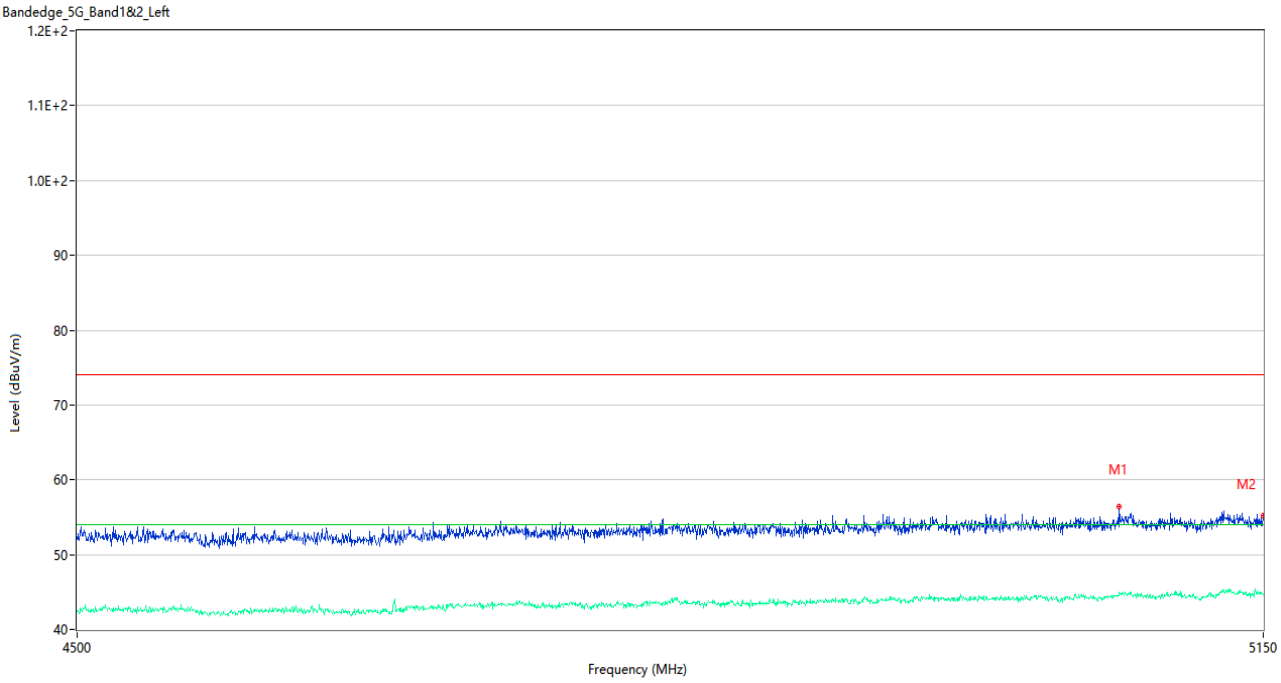
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1580.400	38.28	-17.17	74.0	35.72	Peak	324.00	400	Vertical	Pass
1**	1580.400	28.17	-17.17	54.0	25.83	AV	324.00	400	Vertical	Pass
2	4378.000	46.33	-5.37	74.0	27.67	Peak	360.00	100	Vertical	Pass
2**	4378.000	37.19	-5.37	54.0	16.81	AV	360.00	100	Vertical	Pass
3	5824.250	100.92	-2.60	--	--	Peak	159.00	100	Vertical	N/A
3**	5824.250	93.93	-2.60	--	--	AV	159.00	100	Vertical	N/A
4	7499.750	52.96	0.32	74.0	21.04	Peak	350.00	200	Vertical	Pass
4**	7499.750	43.23	0.32	54.0	10.77	AV	350.00	200	Vertical	Pass
5	12419.401	52.14	1.08	74.0	21.86	Peak	53.00	200	Vertical	Pass
5**	12419.401	42.89	1.08	54.0	11.11	AV	53.00	200	Vertical	Pass
6	16156.724	53.25	2.11	74.0	20.75	Peak	125.00	200	Vertical	Pass
6**	16156.724	44.96	2.11	54.0	9.04	AV	125.00	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
U-NII-2A	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
U-NII-2C	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
		High	Pass
U-NII-3	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass

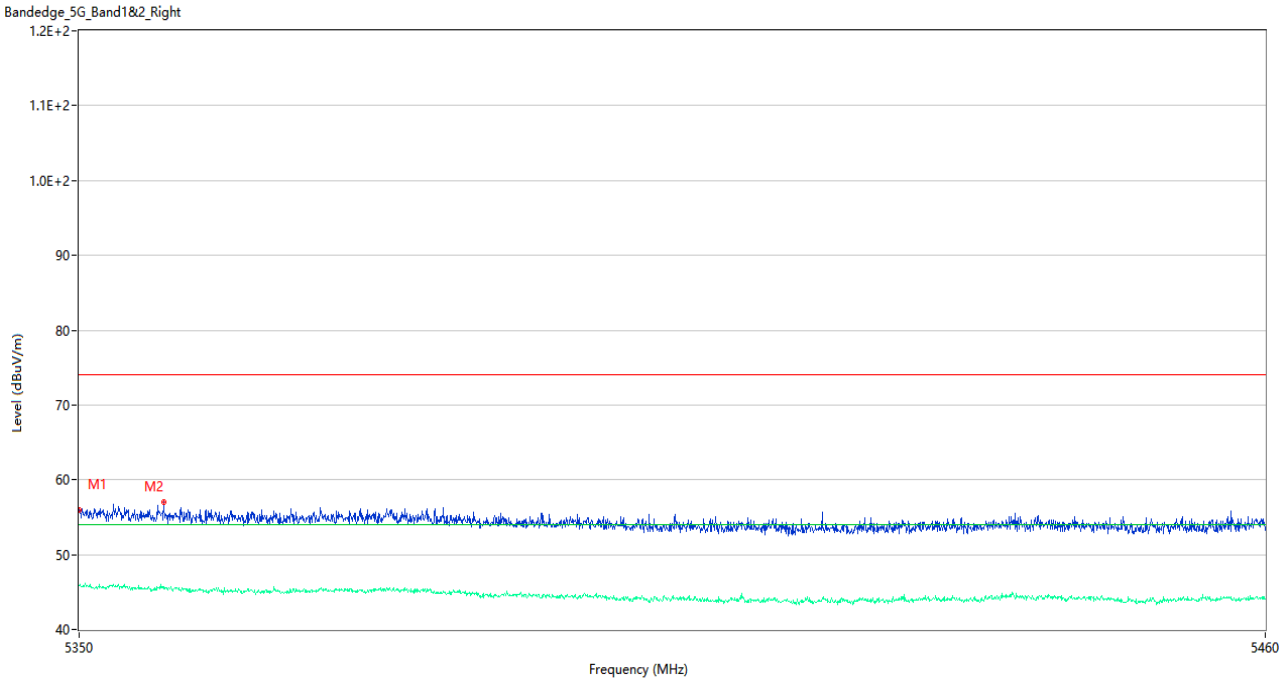
Test Data and Plots

U-NII-1 11a Low Channel



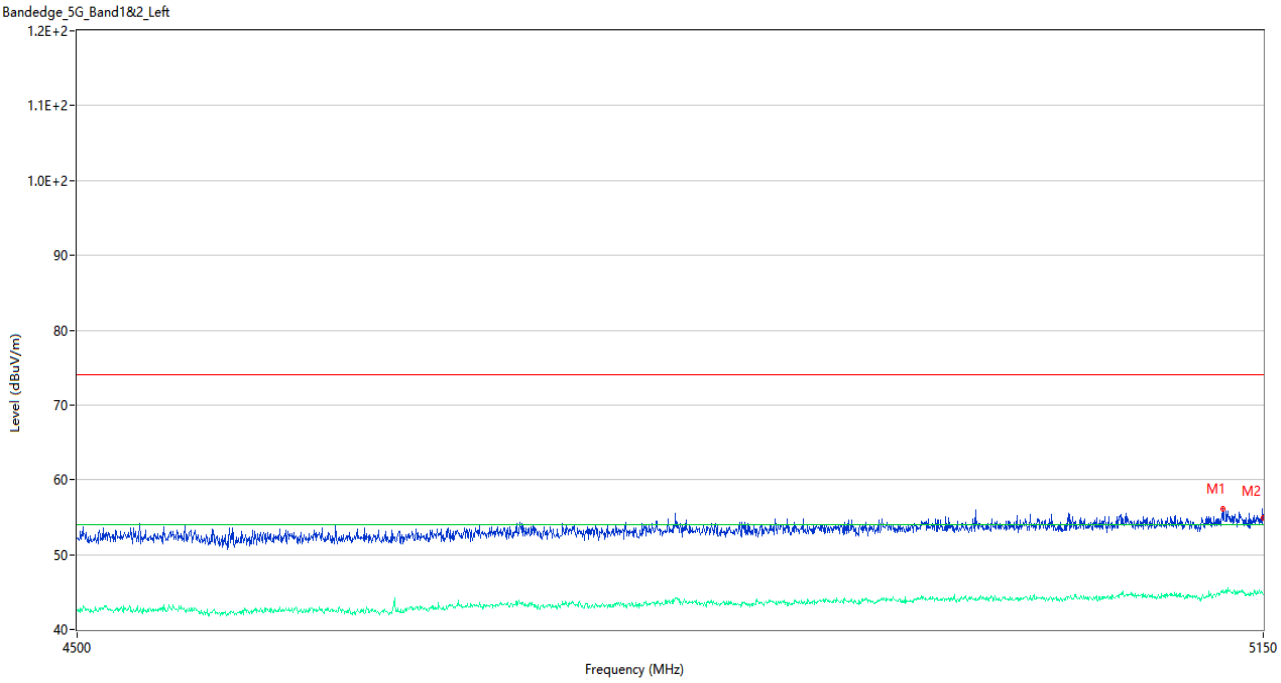
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5066.475	56.35	3.16	74.0	17.65	Peak	0.00	200	Horizontal	Pass
1**	5066.475	45.02	3.16	54.0	8.98	AV	0.00	200	Horizontal	Pass
2	5150.000	55.21	2.86	74.0	18.79	Peak	247.00	100	Horizontal	Pass
2**	5150.000	44.67	2.86	54.0	9.33	AV	247.00	100	Horizontal	Pass

U-NII-1 11a High Channel



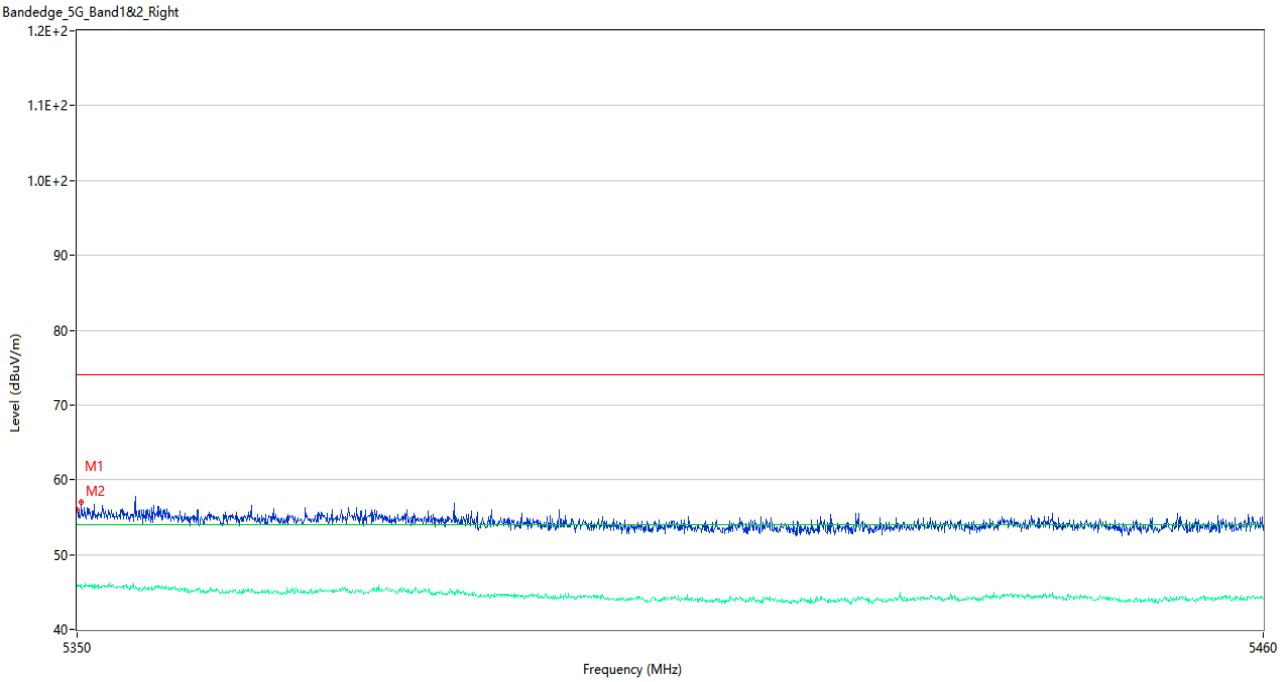
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.93	3.32	74.0	18.07	Peak	313.00	150	Horizontal	Pass
1**	5350.000	45.81	3.32	54.0	8.19	AV	313.00	150	Horizontal	Pass
2	5357.755	57.04	3.04	74.0	16.96	Peak	36.00	200	Horizontal	Pass
2**	5357.755	45.46	3.04	54.0	8.54	AV	36.00	200	Horizontal	Pass

U-NII-1 11n20 Low Channel



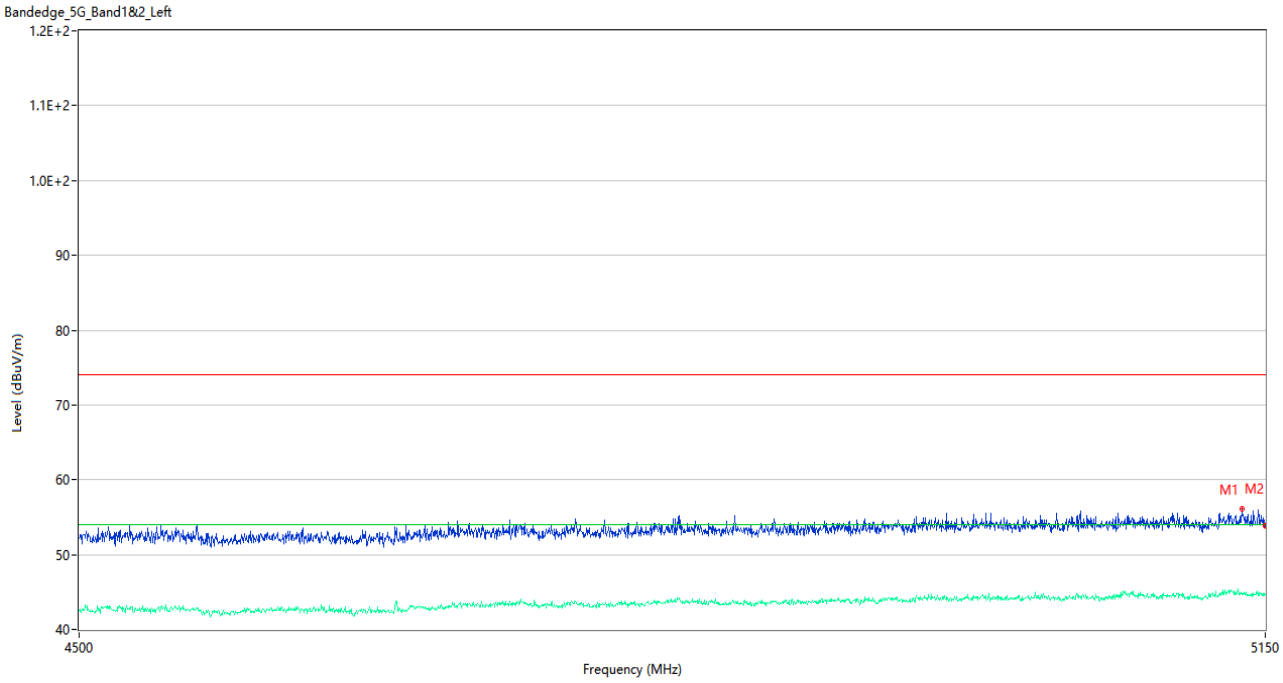
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5126.600	56.15	3.42	74.0	17.85	Peak	0.00	100	Horizontal	Pass
1**	5126.600	45.16	3.42	54.0	8.84	AV	0.00	100	Horizontal	Pass
2	5150.000	54.85	2.86	74.0	19.15	Peak	0.00	100	Horizontal	Pass
2**	5150.000	44.71	2.86	54.0	9.29	AV	0.00	100	Horizontal	Pass

U-NII-1 11n20 High Channel



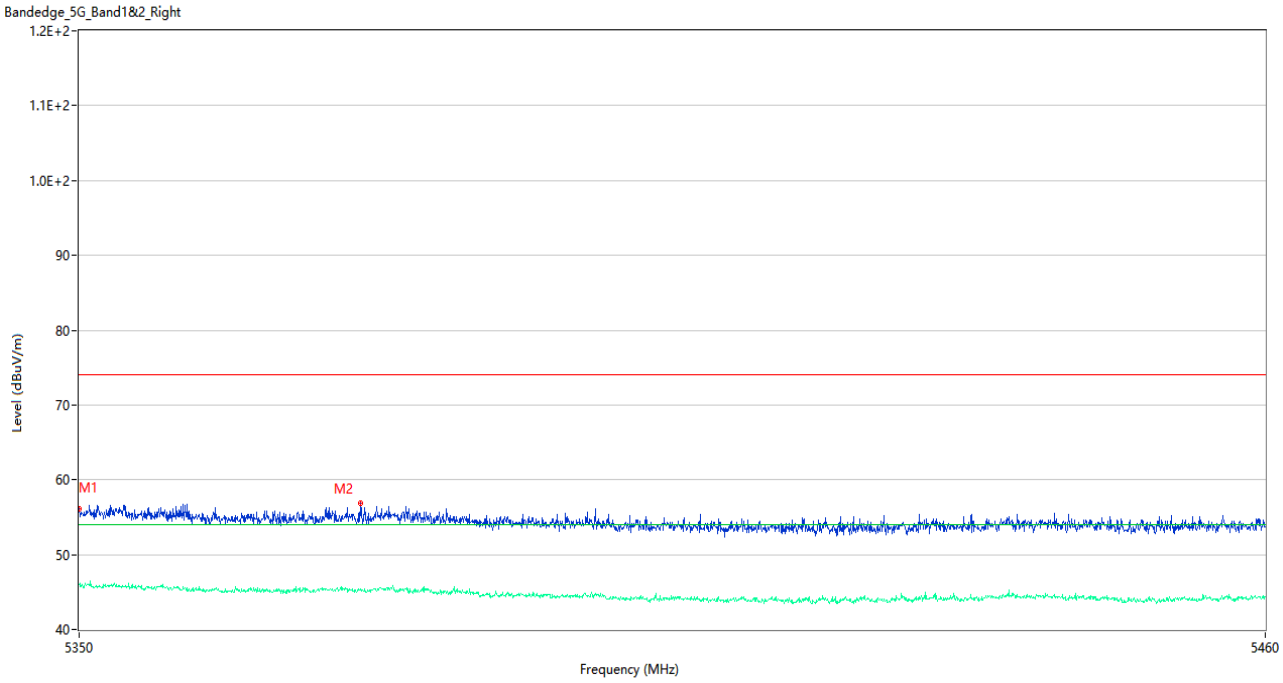
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.79	3.32	74.0	18.21	Peak	148.00	100	Horizontal	Pass
1**	5350.000	45.71	3.32	54.0	8.29	AV	148.00	100	Horizontal	Pass
2	5350.385	56.96	3.15	74.0	17.04	Peak	144.00	200	Horizontal	Pass
2**	5350.385	45.99	3.15	54.0	8.01	AV	144.00	200	Horizontal	Pass

U-NII-2A 11a Low Channel



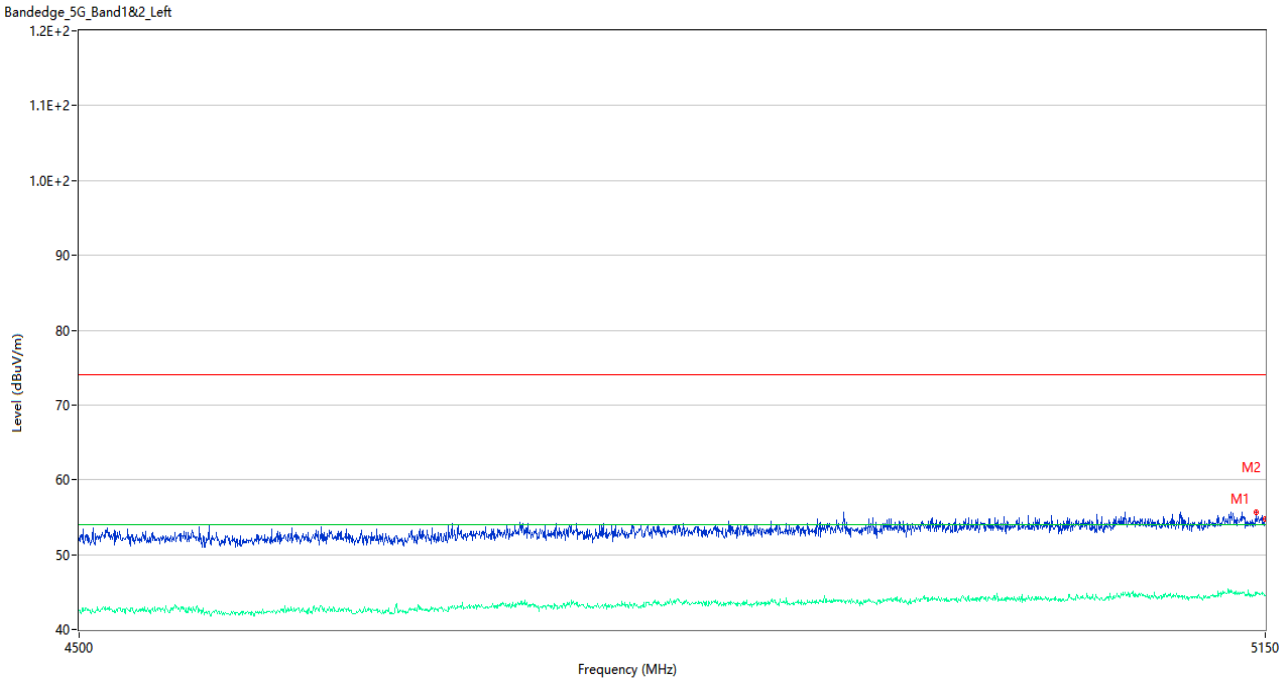
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5136.350	56.08	3.19	74.0	17.92	Peak	203.00	100	Horizontal	Pass
1**	5136.350	44.89	3.19	54.0	9.11	AV	203.00	100	Horizontal	Pass
2	5150.000	53.87	2.86	74.0	20.13	Peak	244.00	200	Horizontal	Pass
2**	5150.000	44.62	2.86	54.0	9.38	AV	244.00	200	Horizontal	Pass

U-NII-2A 11a High Channel



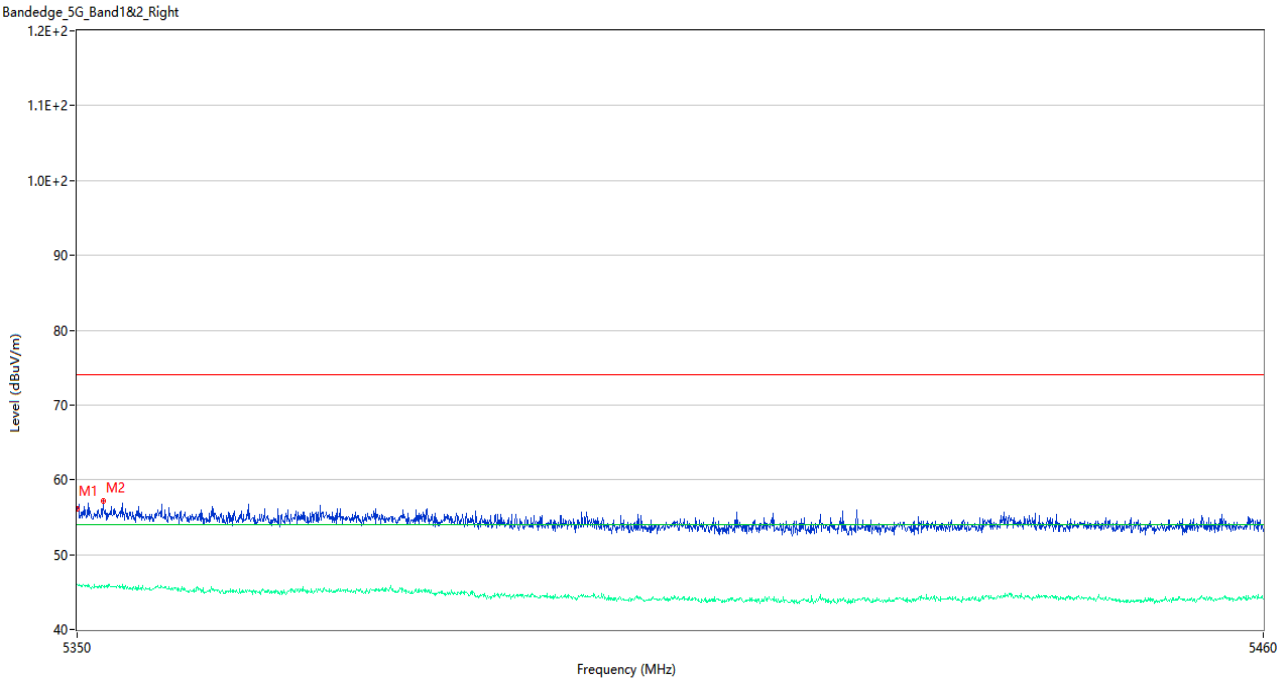
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.10	3.32	74.0	17.90	Peak	181.00	100	Horizontal	Pass
1**	5350.000	46.04	3.32	54.0	7.96	AV	181.00	100	Horizontal	Pass
2	5375.850	56.84	2.97	74.0	17.16	Peak	19.00	100	Horizontal	Pass
2**	5375.850	45.22	2.97	54.0	8.78	AV	19.00	100	Horizontal	Pass

U-NII-2A 11n20 Low Channel



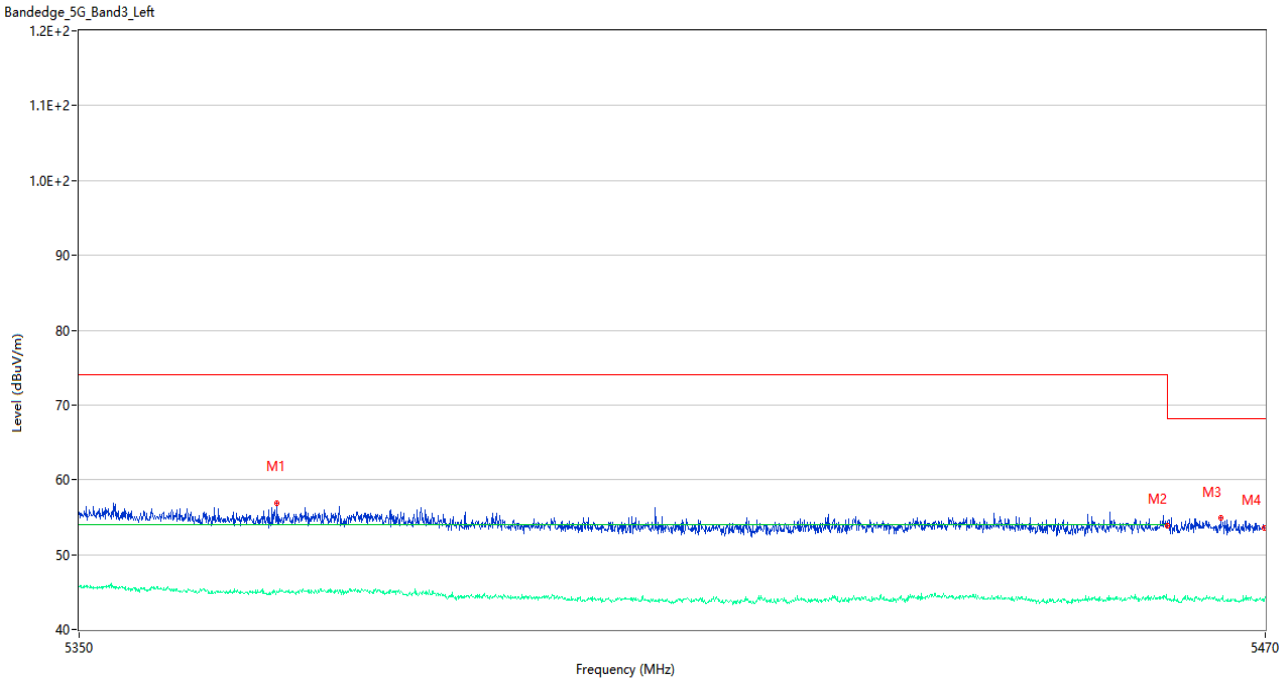
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5144.475	55.69	2.86	74.0	18.31	Peak	186.00	150	Horizontal	Pass
1**	5144.475	44.71	2.86	54.0	9.29	AV	186.00	150	Horizontal	Pass
2	5150.000	54.79	2.86	74.0	19.21	Peak	208.00	150	Horizontal	Pass
2**	5150.000	44.50	2.86	54.0	9.50	AV	208.00	150	Horizontal	Pass

U-NII-2A 11n20 High Channel



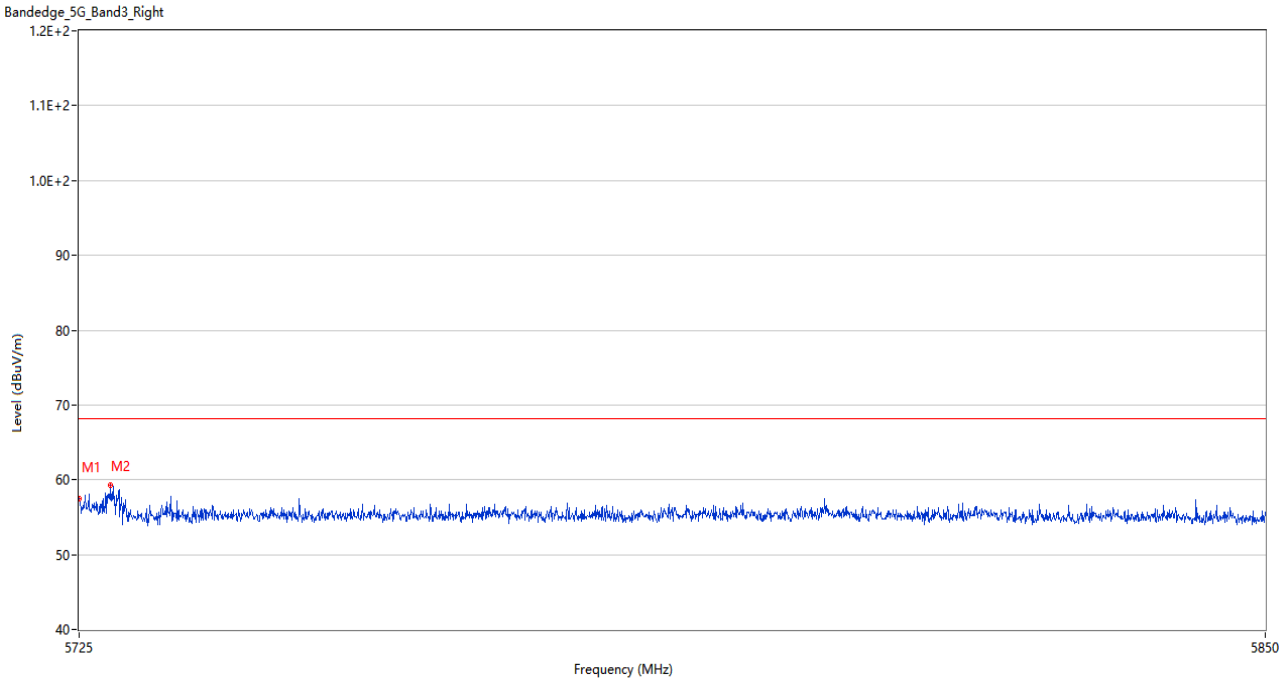
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.14	3.32	74.0	17.86	Peak	360.00	100	Horizontal	Pass
1**	5350.000	46.03	3.32	54.0	7.97	AV	360.00	100	Horizontal	Pass
2	5352.365	57.14	3.10	74.0	16.86	Peak	360.00	150	Horizontal	Pass
2**	5352.365	45.72	3.10	54.0	8.28	AV	360.00	150	Horizontal	Pass

U-NII-2C 11a Low Channel



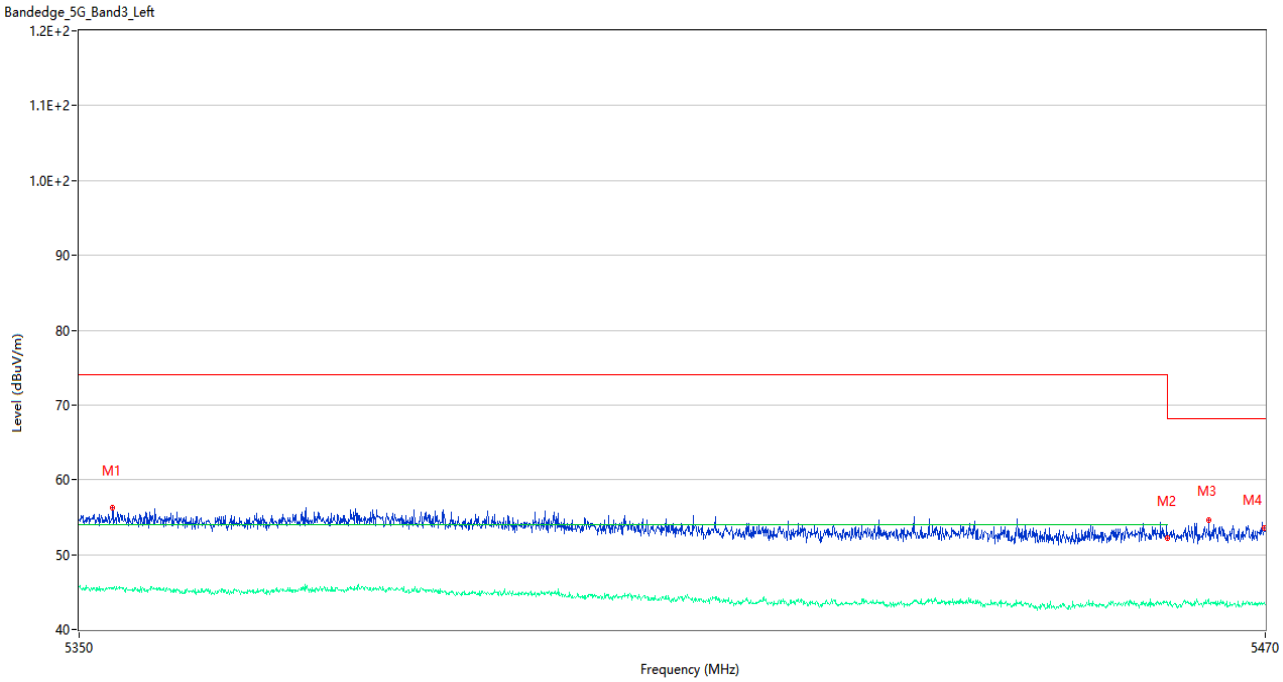
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5369.860	56.88	2.75	74.0	17.12	Peak	129.00	200	Horizontal	Pass
1**	5369.860	44.99	2.75	54.0	9.01	AV	129.00	200	Horizontal	Pass
2	5459.980	53.85	3.49	74.0	20.15	Peak	144.00	100	Horizontal	Pass
2**	5459.980	44.02	3.49	54.0	9.98	AV	144.00	100	Horizontal	Pass
3	5465.440	54.95	3.37	68.2	13.25	Peak	192.00	200	Horizontal	Pass
3**	5465.440	44.04	3.37	--	--	AV	192.00	200	Horizontal	N/A
4	5469.940	53.61	3.29	68.2	14.59	Peak	88.00	100	Horizontal	Pass
4**	5469.940	43.80	3.29	--	--	AV	88.00	100	Horizontal	N/A

U-NII-2C 11a High Channel



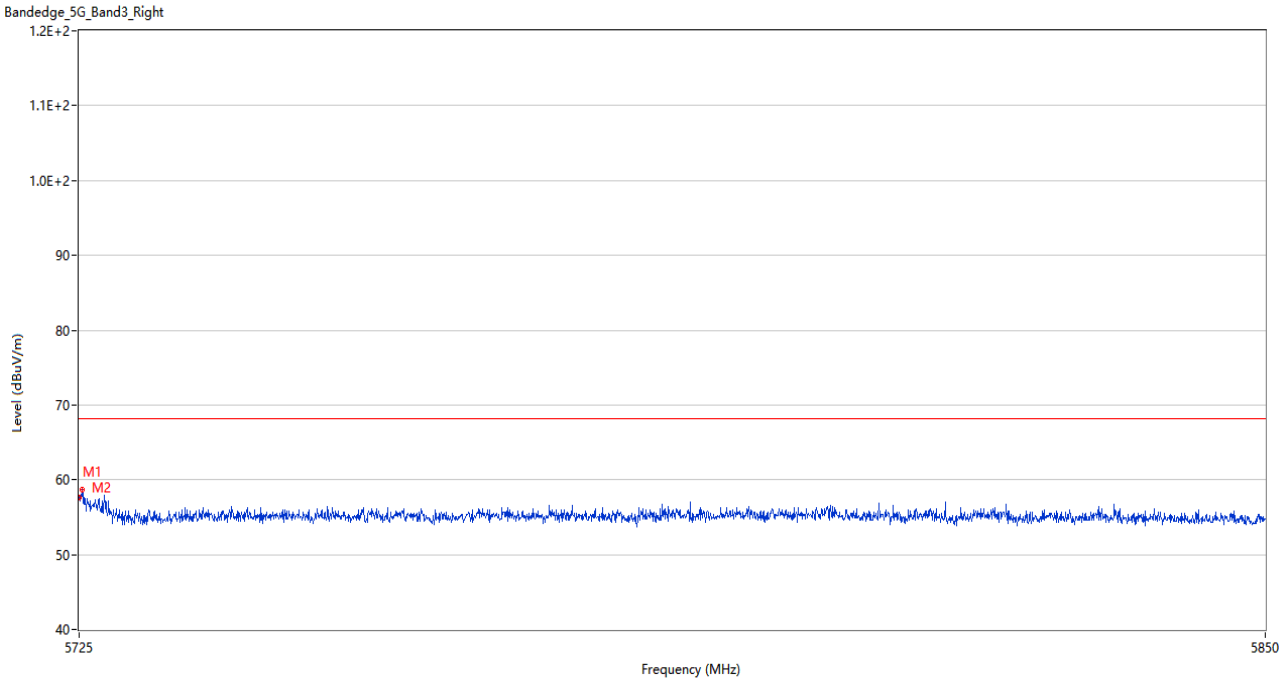
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	57.43	3.51	68.2	10.77	Peak	0.00	200	Horizontal	Pass
2	5728.312	59.29	3.43	68.2	8.91	Peak	125.00	200	Horizontal	Pass

U-NII-2C 11n20 Low Channel



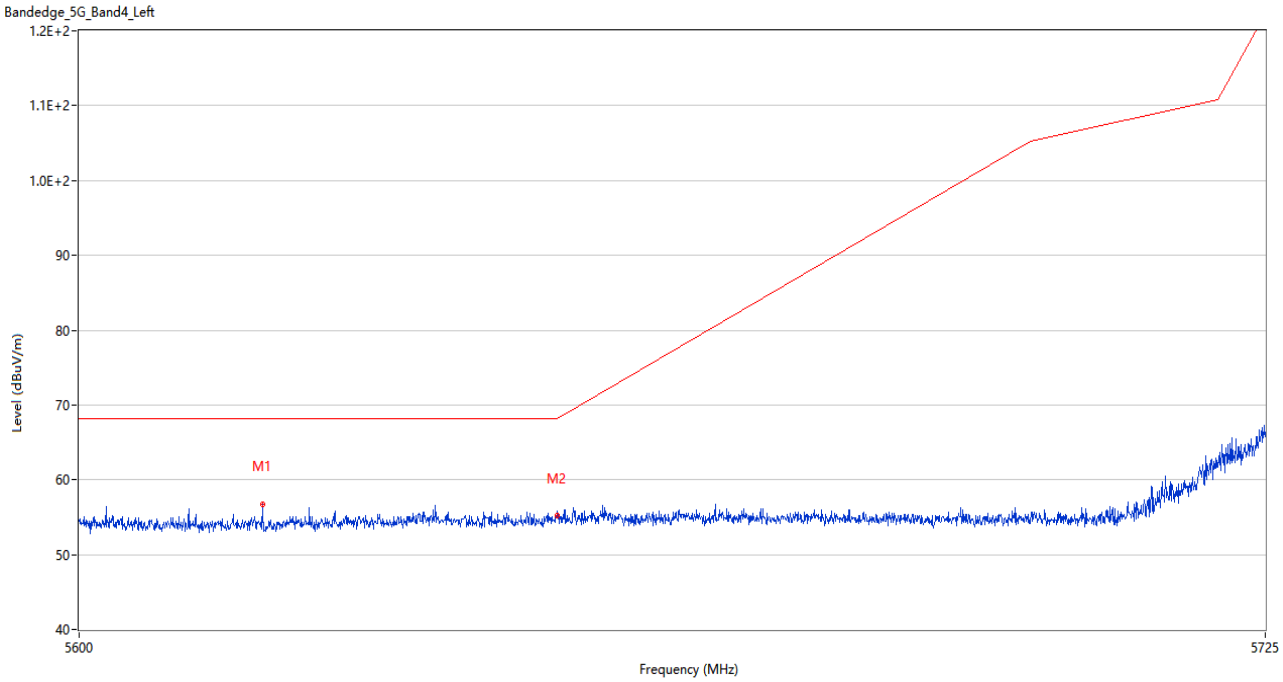
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5353.360	56.24	3.16	74.0	17.76	Peak	360.00	150	Horizontal	Pass
1**	5353.360	45.48	3.16	54.0	8.52	AV	360.00	150	Horizontal	Pass
2	5459.980	52.21	3.49	74.0	21.79	Peak	360.00	200	Horizontal	Pass
2**	5459.980	43.27	3.49	54.0	10.73	AV	360.00	200	Horizontal	Pass
3	5464.240	54.67	3.51	68.2	13.53	Peak	360.00	100	Horizontal	Pass
3**	5464.240	43.48	3.51	--	--	AV	360.00	100	Horizontal	N/A
4	5469.940	53.54	3.29	68.2	14.66	Peak	360.00	150	Horizontal	Pass
4**	5469.940	43.65	3.29	--	--	AV	360.00	150	Horizontal	N/A

U-NII-2C 11n20 High Channel



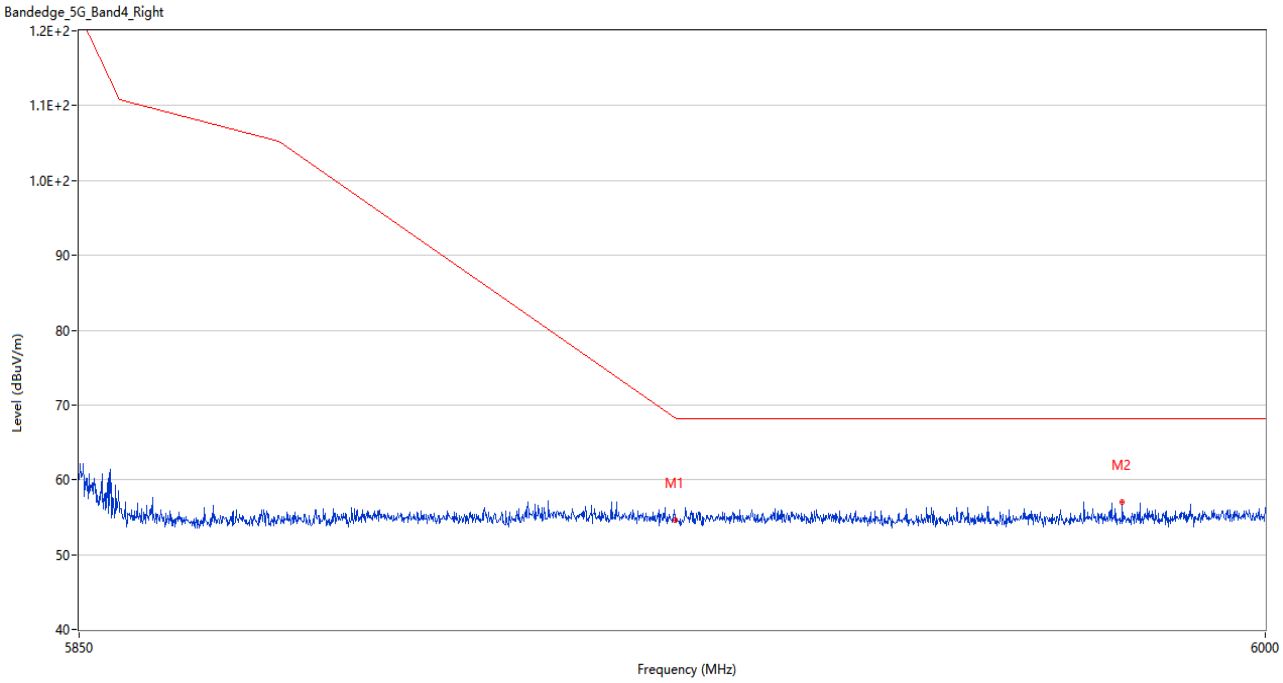
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	57.62	3.51	68.2	10.58	Peak	161.00	200	Horizontal	Pass
2	5725.313	58.62	3.27	68.2	9.58	Peak	158.00	200	Horizontal	Pass

U-NII-3 11a Low Channel



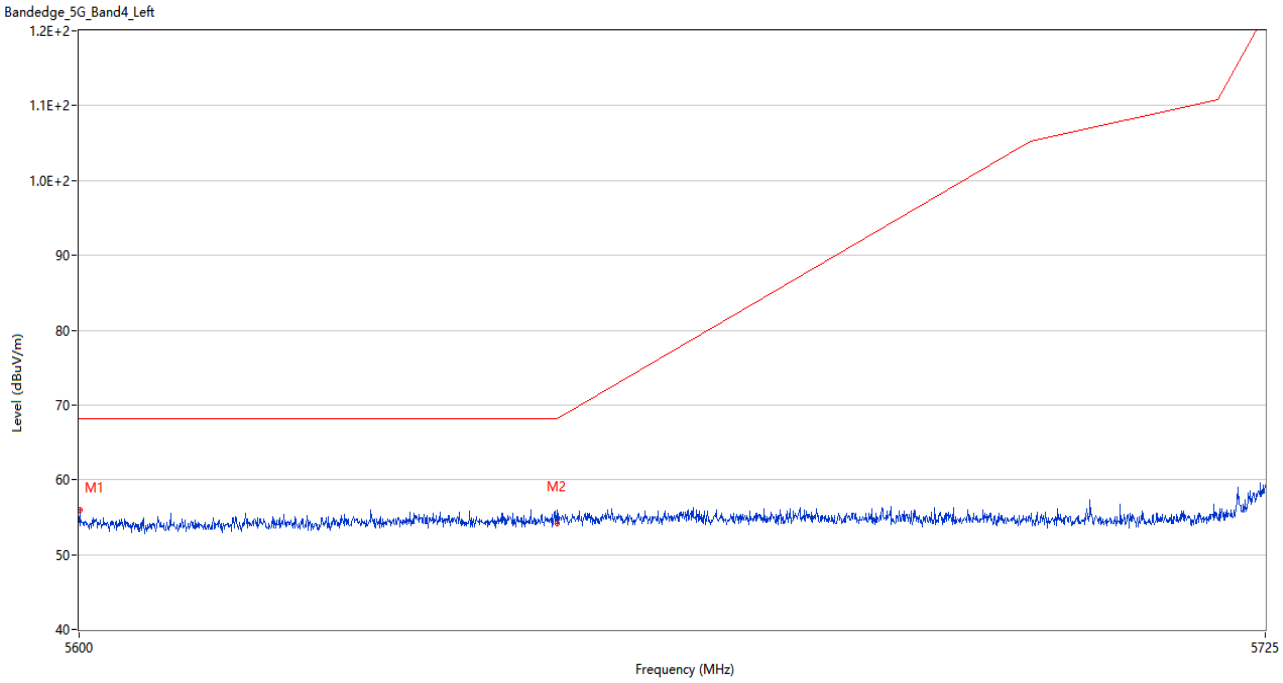
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5619.125	56.78	3.45	68.2	11.42	Peak	15.00	100	Vertical	Pass
2	5650.000	55.17	3.72	68.2	13.03	Peak	16.00	200	Vertical	Pass

U-NII-3 11a High Channel



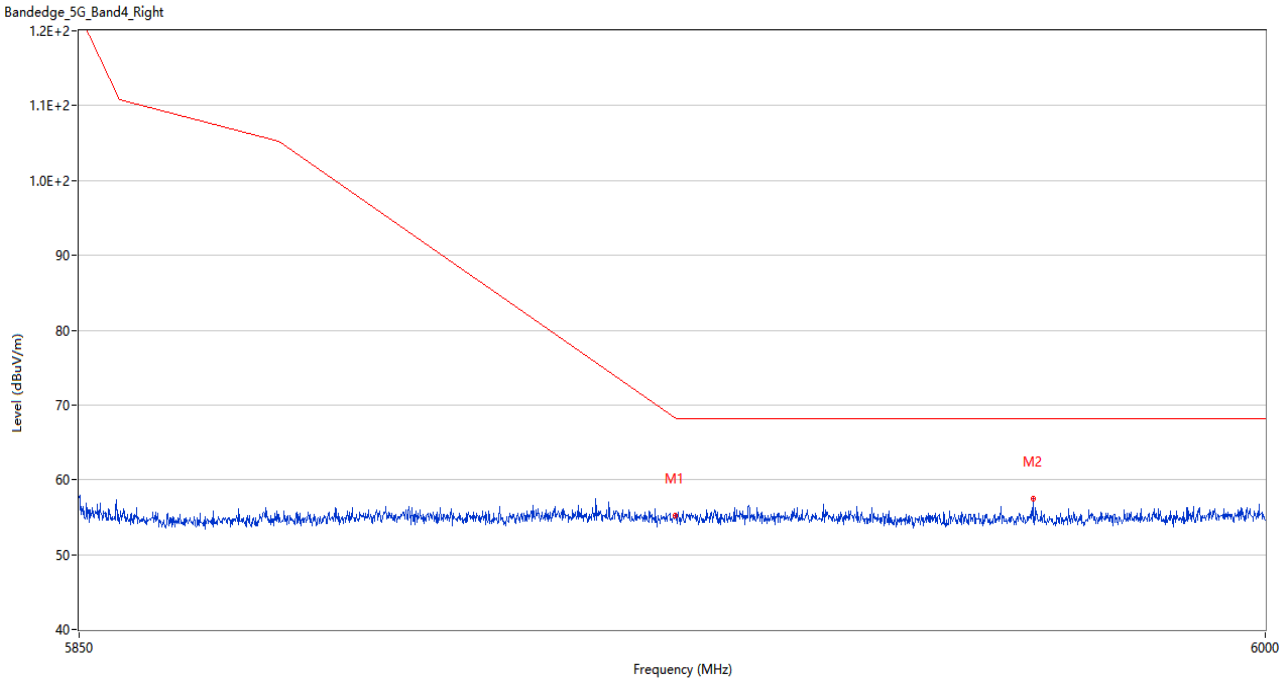
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	54.64	3.42	68.3	13.66	Peak	0.00	150	Vertical	Pass
2	5981.700	57.04	4.03	68.2	11.16	Peak	74.00	150	Vertical	Pass

U-NII-3 11n20 Low Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5600.062	56.02	3.62	68.2	12.18	Peak	344.00	100	Vertical	Pass
2	5650.000	54.16	3.72	68.2	14.04	Peak	179.00	150	Vertical	Pass

U-NII-3 11n20 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	55.19	3.42	68.3	13.11	Peak	300.00	100	Vertical	Pass
2	5970.300	57.41	4.00	68.2	10.79	Peak	111.00	200	Vertical	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2390527-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2390527-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2390527-AI.PDF”.

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2. The report without China inspection body and laboratory Mandatory Approval (CMA) mark has no effect of proving to the society.
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7. Any objection shall be raised to the laboratory within 30 days after receiving the report.

--END OF REPORT--