TEST REPORT

Applicant:	OnePlus Technology (Shenzhen) Co., Ltd.
Address:	18C02, 18C03, 18C04, and 18C05, Shum Yip Terra Building, Binhe Avenue North, Futian District, Shenzhen, Guangdong, P.R. China
Equipment Type:	Watch
Model Name:	OPWWE234
Brand Name:	ONEPLUS
FCC ID:	2ABZ2-OPWWE234
ISED Number:	12739A-OPWWE234
Test Standard:	47 CFR Part 15 Subpart E RSS-Gen Issue 5 RSS-247 Issue 3 (refer to section 3.1)
Sample Arrival Date:	May 28, 2024
Test Date:	May 28, 2024 - Jun. 07, 2024
Date of Issue:	Jun. 17, 2024

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Si Xiao **Checked by:** Ye Hongji **Approved by:** Liao Jianming (Technical Director)

Revision History

Version	Issue Date	Revisions
Rev. 01	Jun. 17, 2024	Initial Issue

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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	OnePlus Technology (Shenzhen) Co., Ltd.
Address	18C02, 18C03, 18C04, and 18C05, Shum Yip Terra Building, Binhe Avenue North, Futian District, Shenzhen, Guangdong, P.R. China

2.2 Manufacturer Information

Manufacturer	OnePlus Technology (Shenzhen) Co., Ltd.
Address	18C02, 18C03, 18C04, and 18C05, Shum Yip Terra Building, Binhe Avenue North, Futian District, Shenzhen, Guangdong, P.R. China

2.3 General Description for Equipment under Test (EUT)

EUT Name	Watch
Model Name Under Test	OPWWE234
Series Model Name	N/A
Description of Model name differentiation	N/A
Serial Number	H621133000004D75000451
Hardware Version	XK919
Software Version	OPWWE234_11_A.85
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	Bluetooth (BR+EDR+BLE) 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20) 5G WIFI 802.11a, 802.11n(HT20) U-NII-1/2A/2C/3 GPS, GLONASS, Galileo, BDS, NFC

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

Frequency Range	U-NII-1: 5150 MHz to 5250 MHz, U-NII-2A: 5250 MHz to 5350 MHz, U-NII-2C: 5470 MHz to 5725 MHz, U-NII-3: 5725 MHz to 5850 MHz
Product Type	☐ Mobile ☒ Portable ☐ Fix Location Indoor for IC standard
Modulation technology	OFDM
Modulation Type	64QAM, 16QAM, BPSK, QPSK
Transfer Rate (Mbps) (Single RF path)	802.11a: 54/ 48/ 36/ 24/ 18/ 12/ 9/ 6 Mbps 802.11n: up to 150 Mbps
Channel Bandwidth	802.11a: 20 MHz 802.11n: 20 MHz
Maximum Output Power	U-NII-1: 38.55 mW U-NII-2A: 47.97 mW U-NII-2C: 39.90 mW U-NII-3: 39.36 mW
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	LDS Antenna
Antenna Gain	U-NII-1: 5150 MHz to 5250 MHz: -4.0 dBi U-NII-2A: 5250 MHz to 5350 MHz: -4.0 dBi U-NII-2C: 5470 MHz to 5725 MHz: -4.0 dBi U-NII-3: 5725 MHz to 5850 MHz: -4.0 dBi
About the Product	The equipment is Watch, 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	50% to 68%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+20.9℃ to +25.1℃
	LT (Low Temperature)	+0.0℃
	HT (High Temperature)	+35.0℃
Working Voltage of the EUT	NV (Normal Voltage)	3.89 V
	LV (Low Voltage)	3.00 V
	HV (High Voltage)	4.48 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	KEYSIGHT	N9020A	MY50531259	2023.09.05	2024.09.04
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-40	101544	2023.12.27	2024.12.26
Signaling Unit	ROHDE&SCHWARZ	CMW500	171150	2023.06.19	2024.06.18
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	02460	2024.05.16	2027.05.15
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2021.07.02	2024.07.01
Anechoic Chamber	RAINFORD	9m*6m*6m	140	2022.02.19	2024.08.15
Amplifier	COM-MV	LSCX_LNA1-12G-01	7210214	2023.09.05	2024.09.04
Amplifier	COM-MV	XKu_LNA7-18G-01	7210209	2023.09.05	2024.09.04
Amplifier	COM-MV	KA LNA18 40G-01	18050001	2023.12.06	2024.12.05
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2023.09.05	2024.09.04
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9168	9168-01162	2023.08.04	2024.08.03
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2024.01.23	2025.01.22
Amplifier	COM-MV	ZT30-1000M	B2018054558	2023.12.05	2024.12.04
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60*7.35m	130	2021.08.15	2024.08.14
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2023.09.05	2024.09.04
LISN	SCHWARZBECK	NSLK 8127	8127-687	2024.05.08	2025.05.07
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.

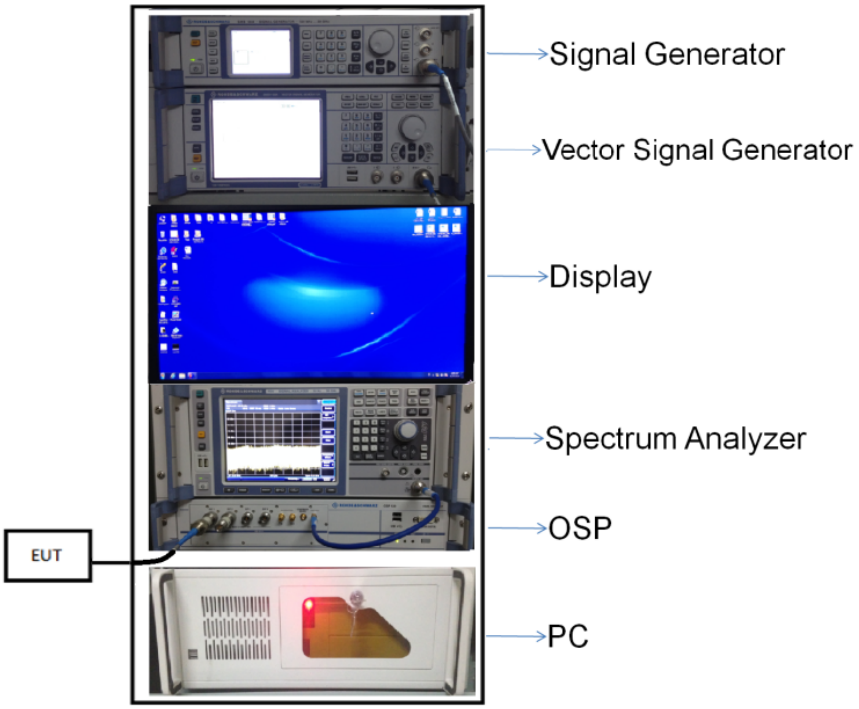
Parameters	Uncertainty
Occupied Channel Bandwidth	2.8%
RF output power, conducted	1.28 dB
Power Spectral Density, conducted	1.30 dB
Unwanted Emissions, conducted	1.84 dB
All emissions, radiated	5.36 dB
Temperature	0.8°C
Humidity	4%

4.5 Description of Test Setup

4.5.1 For Antenna Port Test

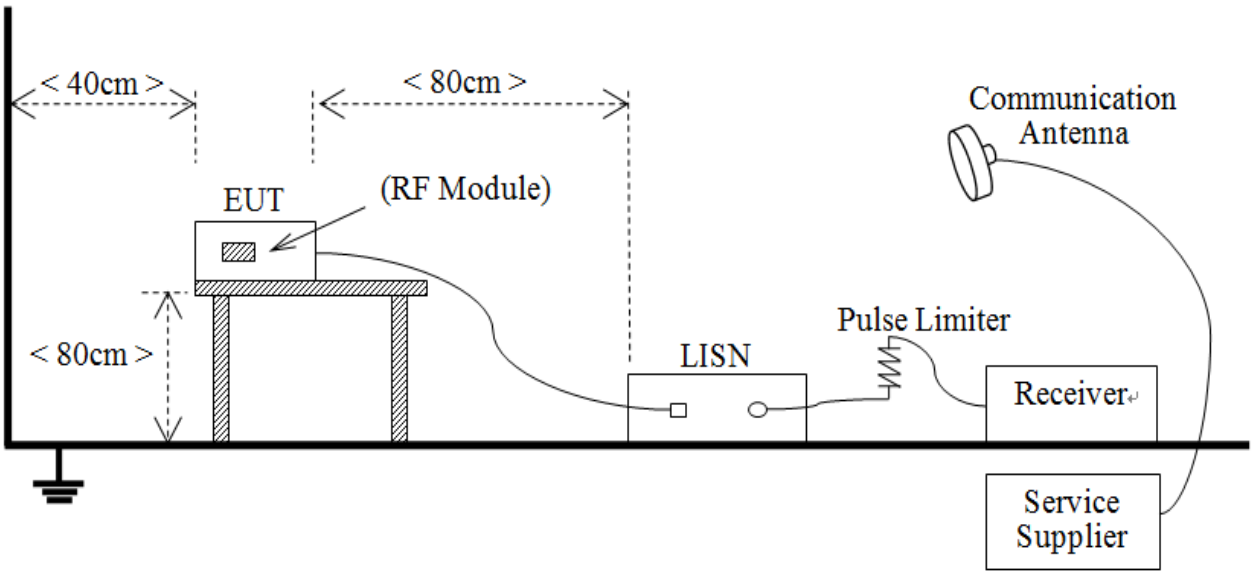
Conducted value (dBm) = Measurement value (dBm) + cable loss (dB)

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



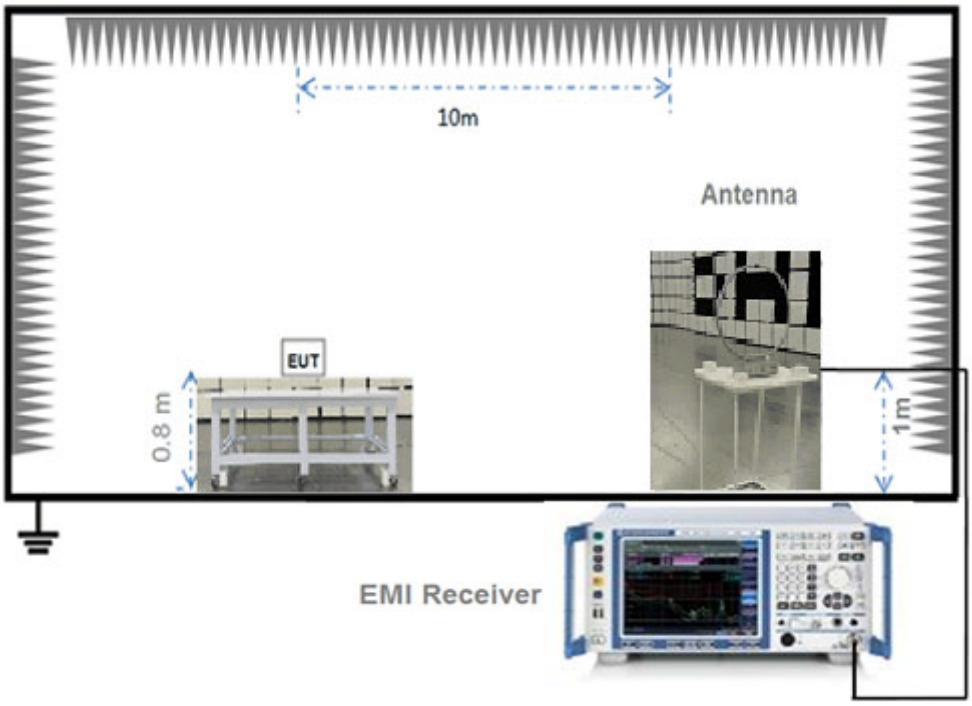
(Diagram 1)

4.5.2For AC Power Supply Port Test



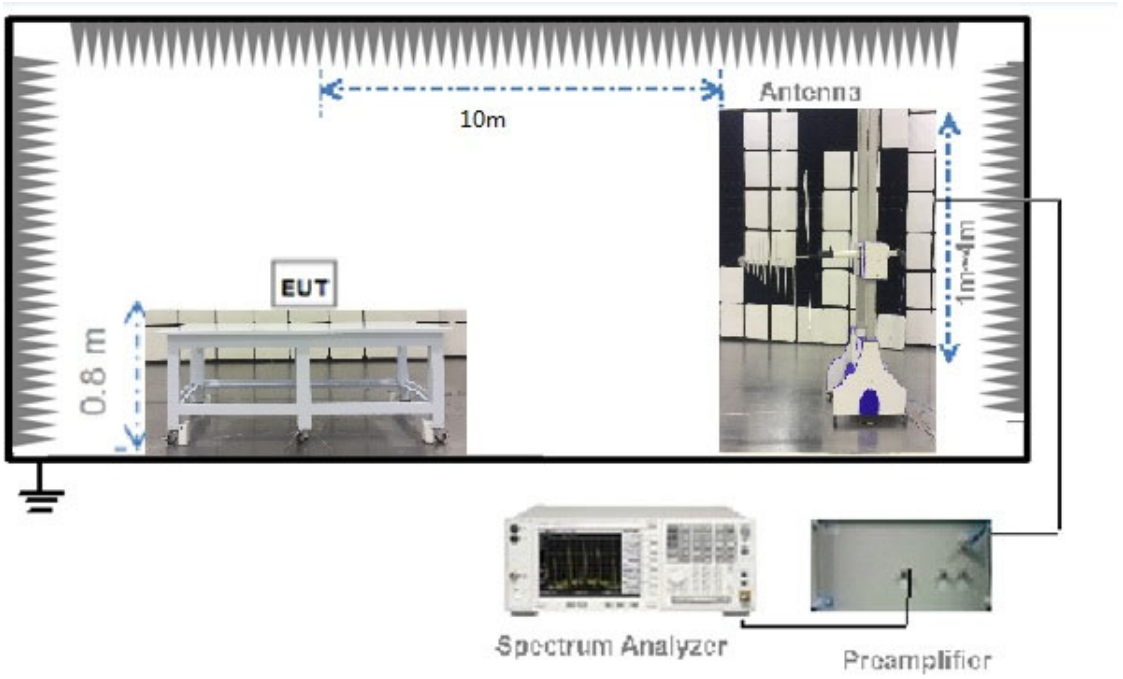
(Diagram 2)

4.5.3For Radiated Test (Below 30 MHz)



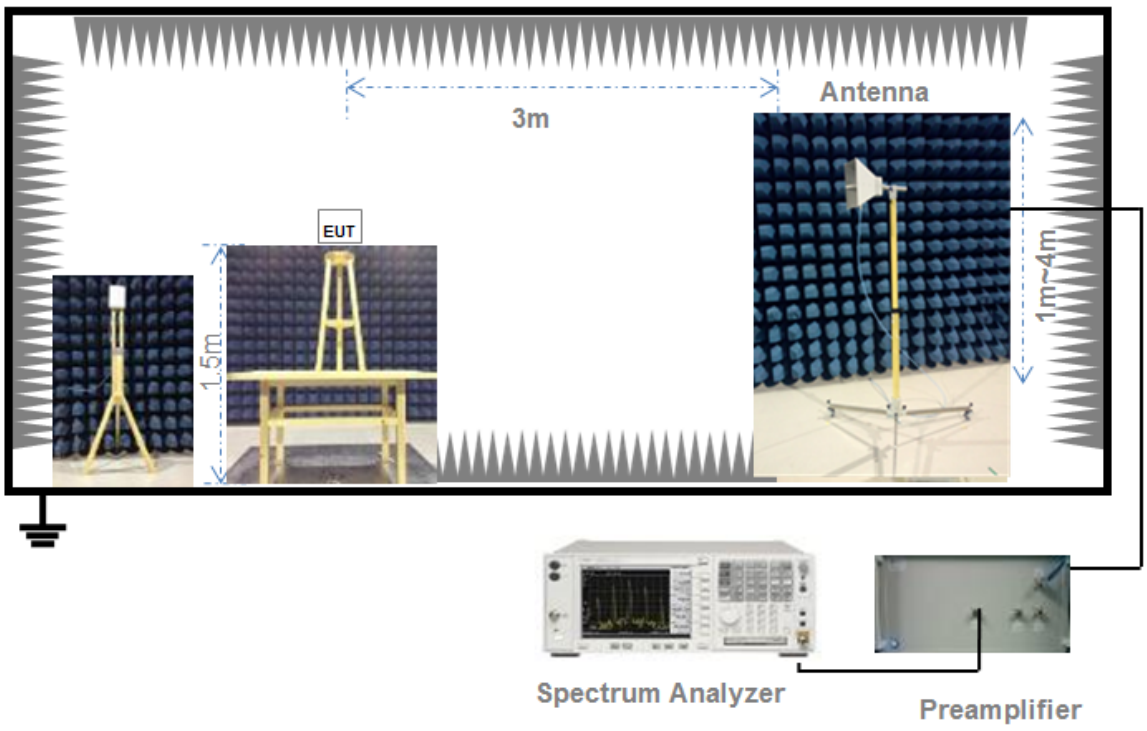
(Diagram 3)

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)

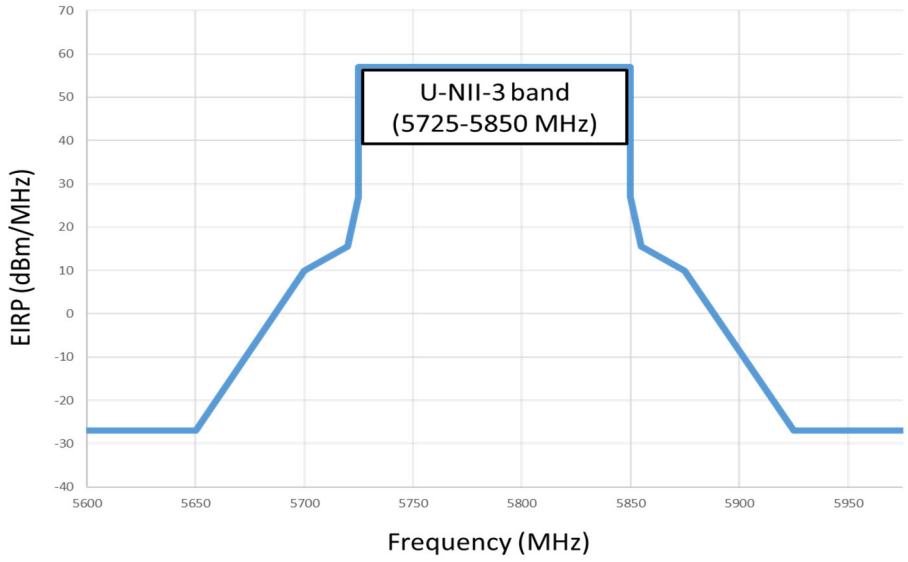
5.5.1 Limit

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 – 20log 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	Duty Factor
11a	1.43	1.53	93.02%	0.31
11n (HT20)	1.34	1.44	92.52%	0.34

Test Data

Conducted Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	15.86	38.55	250	Pass
11a	CH44	15.67	36.90	250	Pass
11a	CH48	15.55	35.89	250	Pass
11n (HT20)	CH36	15.79	37.93	250	Pass
11n (HT20)	CH44	15.62	36.48	250	Pass
11n (HT20)	CH48	15.38	34.51	250	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH52	16.81	47.97	250	Pass
11a	CH60	16.64	46.13	250	Pass
11a	CH64	16.59	45.60	250	Pass
11n (HT20)	CH52	16.58	45.50	250	Pass
11n (HT20)	CH60	16.43	43.95	250	Pass
11n (HT20)	CH64	16.54	45.08	250	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH100	16.01	39.90	250	Pass
11a	CH116	15.92	39.08	250	Pass
11a	CH140	15.67	36.90	250	Pass
11n (HT20)	CH100	15.96	39.45	250	Pass
11n (HT20)	CH116	15.69	37.07	250	Pass
11n (HT20)	CH140	15.52	35.65	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	15.93	39.17	1000	Pass
11a	CH157	15.95	39.36	1000	Pass
11a	CH165	15.83	38.28	1000	Pass
11n (HT20)	CH149	15.94	39.26	1000	Pass
11n (HT20)	CH157	15.78	37.84	1000	Pass
11n (HT20)	CH165	15.84	38.37	1000	Pass

E.I.R.P

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH36	11.86	15.35	168	Pass
11a	CH44	11.67	14.69	168	Pass
11a	CH48	11.55	14.29	168	Pass
11n (HT20)	CH36	11.79	15.10	179	Pass
11n (HT20)	CH44	11.62	14.52	179	Pass
11n (HT20)	CH48	11.38	13.74	179	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH52	12.81	19.10	842	Pass
11a	CH60	12.64	18.37	842	Pass
11a	CH64	12.59	18.16	842	Pass
11n (HT20)	CH52	12.58	18.11	900	Pass
11n (HT20)	CH60	12.43	17.50	901	Pass
11n (HT20)	CH64	12.54	17.95	901	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH100	12.01	15.89	842	Pass
11a	CH116	11.92	15.56	842	Pass
11a	CH140	11.67	14.69	843	Pass
11n (HT20)	CH100	11.96	15.70	900	Pass
11n (HT20)	CH116	11.69	14.76	900	Pass
11n (HT20)	CH140	11.52	14.19	901	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH149	11.93	15.60	Pass
11a	CH157	11.95	15.67	Pass
11a	CH165	11.83	15.24	Pass
11n (HT20)	CH149	11.94	15.63	Pass
11n (HT20)	CH157	11.78	15.07	Pass
11n (HT20)	CH165	11.84	15.28	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ2450087-604 Data Part 1.pdf”.

Test Data

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	21.18	16.78
11a	CH44	21.38	16.78
11a	CH48	21.19	16.79
11n (HT20)	CH36	21.73	17.95
11n (HT20)	CH44	21.77	17.93
11n (HT20)	CH48	21.95	17.94

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	21.20	16.80
11a	CH60	21.22	16.81
11a	CH64	21.19	16.80
11n (HT20)	CH52	21.67	17.95
11n (HT20)	CH60	21.97	17.97
11n (HT20)	CH64	22.02	17.98

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	21.21	16.80
11a	CH116	21.26	16.80
11a	CH140	21.23	16.82
11n (HT20)	CH100	21.85	17.96
11n (HT20)	CH116	21.92	17.96
11n (HT20)	CH140	21.79	17.97

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	21.26	16.84
11a	CH157	21.27	16.85
11a	CH165	21.26	16.84
11n (HT20)	CH149	21.88	17.98
11n (HT20)	CH157	21.88	18.00
11n (HT20)	CH165	21.86	18.07

A.3 6 dB Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ2450087-604 Data Part 2.pdf”.

Test Data

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	16.50	500.00	Pass
11a	CH157	16.50	500.00	Pass
11a	CH165	16.50	500.00	Pass
11n (HT20)	CH149	17.80	500.00	Pass
11n (HT20)	CH157	17.70	500.00	Pass
11n (HT20)	CH165	17.80	500.00	Pass

A.4 Power Spectral Density

Note : Test plots please refer to the document “Annex No.: BL-SZ2450087-604 Data Part 3.pdf”.

Test Data

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH36	3.35	11.00	Pass
11a	CH44	3.33	11.00	Pass
11a	CH48	2.96	11.00	Pass
11n (HT20)	CH36	2.87	11.00	Pass
11n (HT20)	CH44	2.89	11.00	Pass
11n (HT20)	CH48	2.84	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH52	4.18	11.00	Pass
11a	CH60	4.17	11.00	Pass
11a	CH64	3.96	11.00	Pass
11n (HT20)	CH52	3.90	11.00	Pass
11n (HT20)	CH60	3.76	11.00	Pass
11n (HT20)	CH64	3.84	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH100	4.03	11.00	Pass
11a	CH116	3.81	11.00	Pass
11a	CH140	3.47	11.00	Pass
11n (HT20)	CH100	3.82	11.00	Pass
11n (HT20)	CH116	3.55	11.00	Pass
11n (HT20)	CH140	3.37	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	0.96	30.00	Pass
11a	CH157	0.96	30.00	Pass
11a	CH165	0.94	30.00	Pass
11n (HT20)	CH149	0.85	30.00	Pass
11n (HT20)	CH157	0.20	30.00	Pass
11n (HT20)	CH165	0.44	30.00	Pass

E.I.R.P PSD

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	E.I.R.P Limit (dBm/MHz)	Verdict
11a	CH36	-0.65	10.00	Pass
11a	CH44	-0.67	10.00	Pass
11a	CH48	-1.05	10.00	Pass
11n (HT20)	CH36	-1.13	10.00	Pass
11n (HT20)	CH44	-1.11	10.00	Pass
11n (HT20)	CH48	-1.16	10.00	Pass

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH52	0.18	Pass
11a	CH60	0.17	Pass
11a	CH64	-0.04	Pass
11n (HT20)	CH52	-0.11	Pass
11n (HT20)	CH60	-0.24	Pass
11n (HT20)	CH64	-0.16	Pass

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH100	0.03	Pass
11a	CH116	-0.19	Pass
11a	CH140	-0.53	Pass
11n (HT20)	CH100	-0.19	Pass
11n (HT20)	CH116	-0.45	Pass
11n (HT20)	CH140	-0.63	Pass

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH149	-3.04	Pass
11a	CH157	-3.04	Pass
11a	CH165	-3.06	Pass
11n (HT20)	CH149	-3.15	Pass
11n (HT20)	CH157	-3.80	Pass
11n (HT20)	CH165	-3.56	Pass

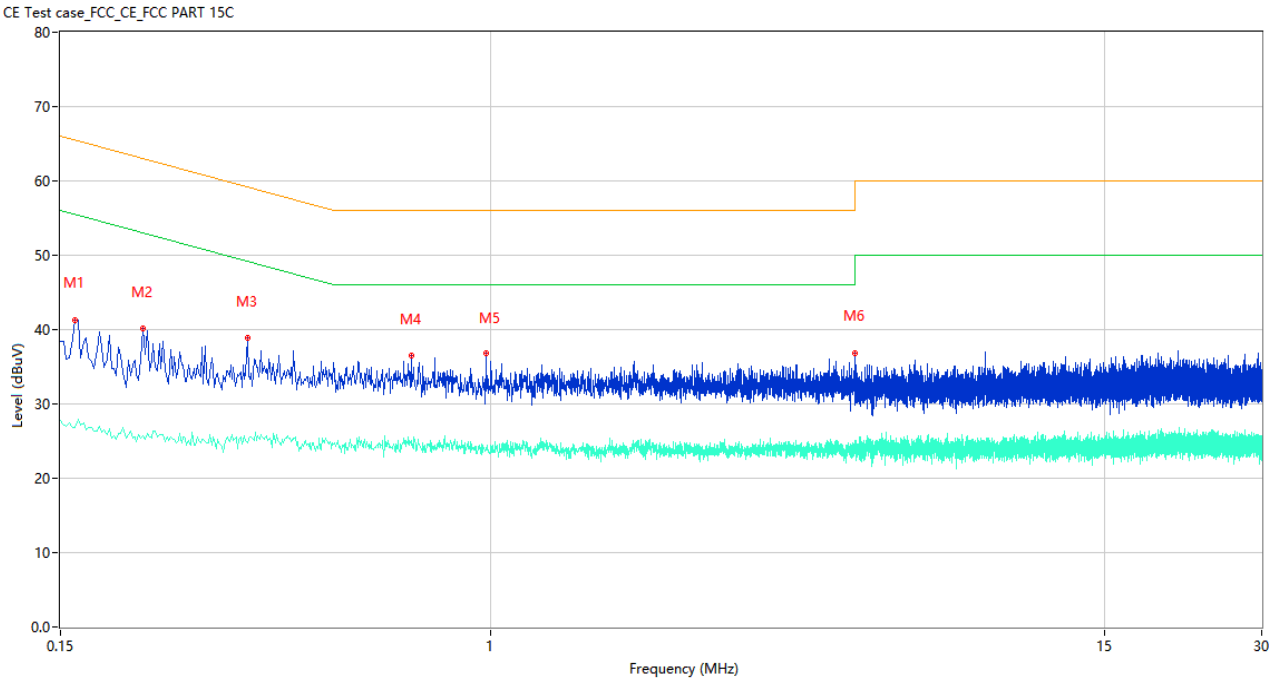
A.5 Conducted Emissions

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.

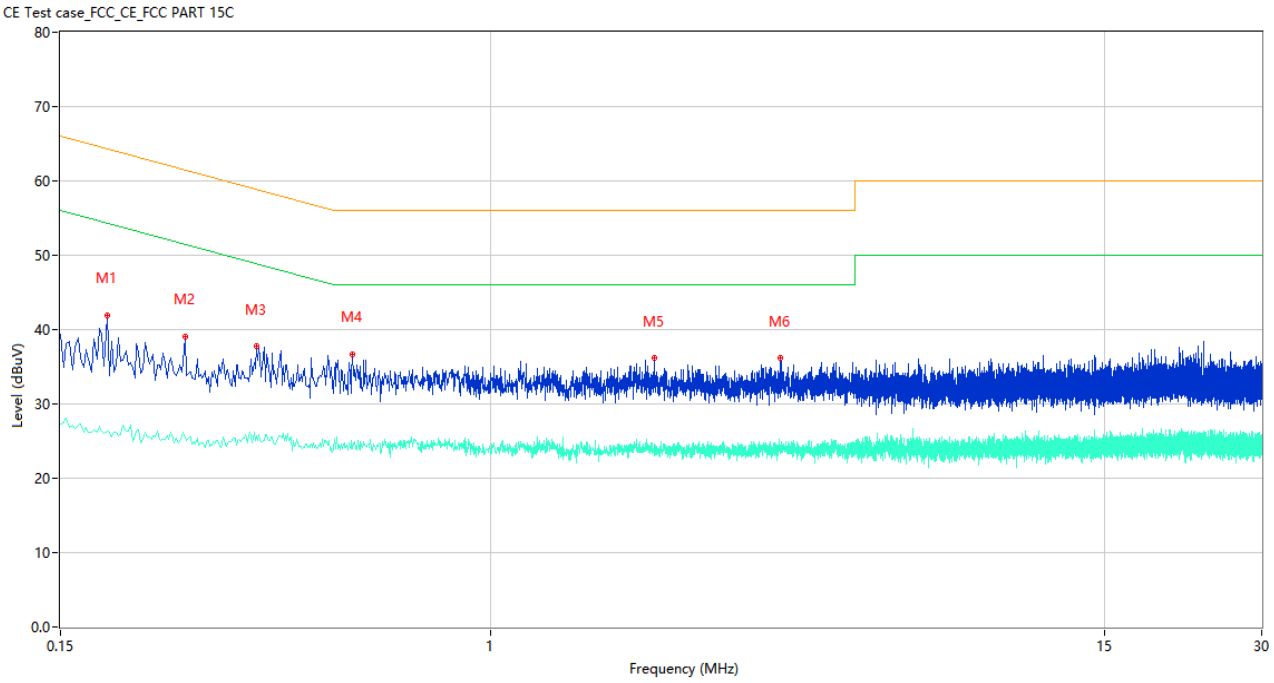
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.160	41.31	9.78	65.46	24.15	Peak	L	Pass
1**	0.160	26.82	9.78	55.46	28.64	AV	L	Pass
2	0.216	40.11	9.77	62.97	22.86	Peak	L	Pass
2**	0.216	25.78	9.77	52.97	27.19	AV	L	Pass
3	0.342	38.88	10.60	59.15	20.27	Peak	L	Pass
3**	0.342	24.80	10.60	49.15	24.35	AV	L	Pass
4	0.704	36.48	10.61	56.00	19.52	Peak	L	Pass
4**	0.704	25.01	10.61	46.00	20.99	AV	L	Pass
5	0.980	36.76	10.00	56.00	19.24	Peak	L	Pass
5**	0.980	24.00	10.00	46.00	22.00	AV	L	Pass
6	4.990	36.85	10.40	56.00	19.15	Peak	L	Pass
6**	4.990	24.68	10.40	46.00	21.32	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.184	41.97	9.78	64.30	22.33	Peak	N	Pass
1**	0.184	26.38	9.78	54.30	27.92	AV	N	Pass
2	0.260	39.11	9.76	61.43	22.32	Peak	N	Pass
2**	0.260	25.56	9.76	51.43	25.87	AV	N	Pass
3	0.356	37.73	10.73	58.82	21.09	Peak	N	Pass
3**	0.356	25.71	10.73	48.82	23.11	AV	N	Pass
4	0.544	36.67	10.02	56.00	19.33	Peak	N	Pass
4**	0.544	24.04	10.02	46.00	21.96	AV	N	Pass
5	2.056	36.12	10.39	56.00	19.88	Peak	N	Pass
5**	2.056	24.54	10.39	46.00	21.46	AV	N	Pass
6	3.594	36.12	10.35	56.00	19.88	Peak	N	Pass
6**	3.594	24.43	10.35	46.00	21.57	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.

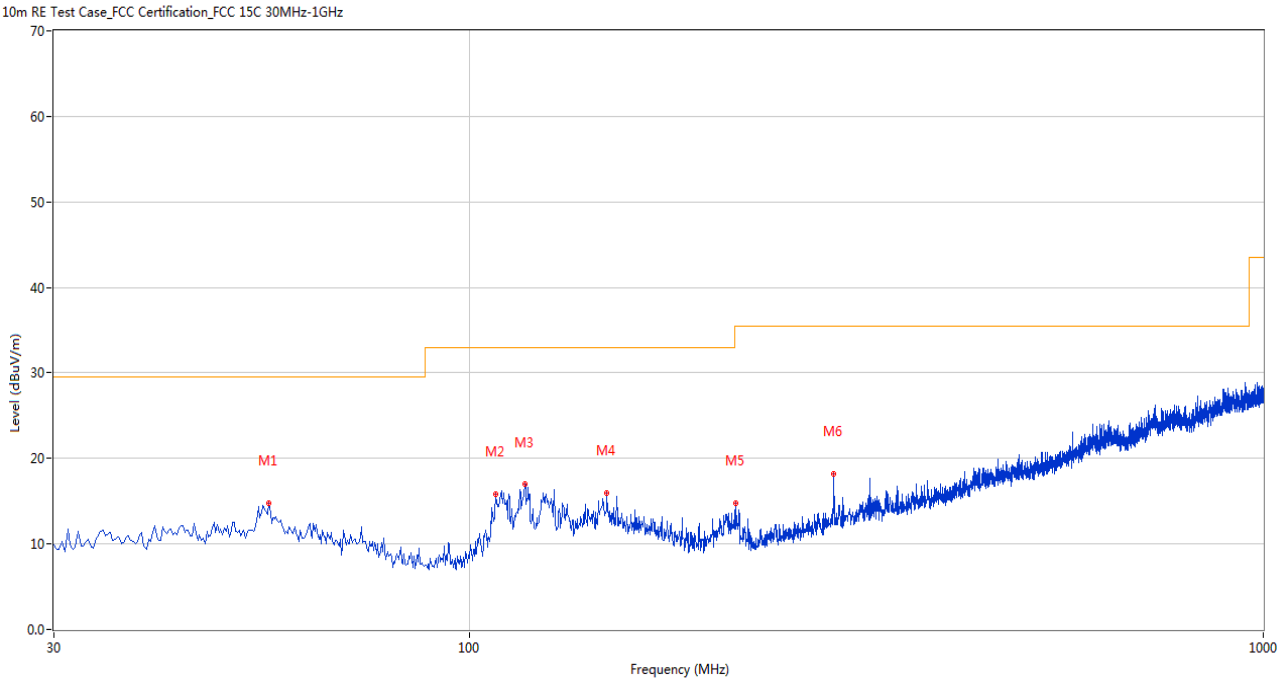
Note [2]: For the test data above 1 GHz，According the ANSI C63.4, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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.

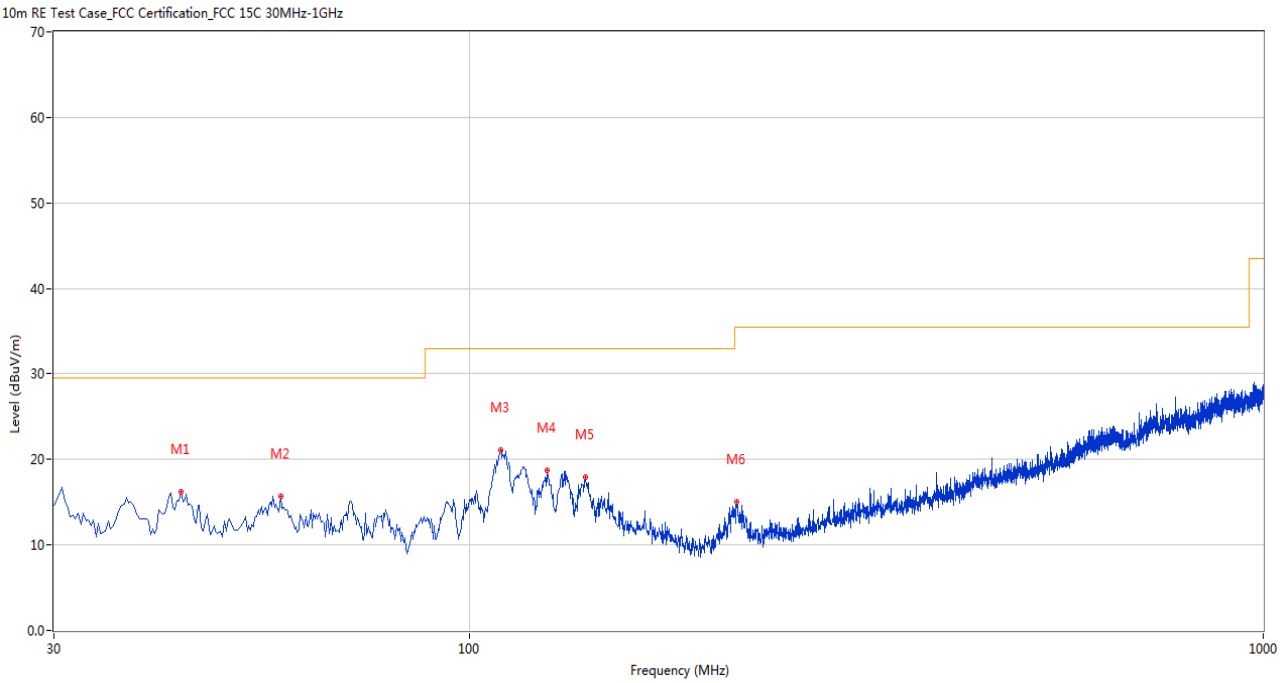
Test Data and Plots

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	55.941	14.83	-26.20	29.5	14.67	Peak	275.00	200	Horizontal	Pass
2	108.065	15.78	-29.16	33.0	17.22	Peak	205.00	200	Horizontal	Pass
3	117.521	16.94	-28.33	33.0	16.06	Peak	188.00	200	Horizontal	Pass
4	149.038	16.01	-25.75	33.0	16.99	Peak	210.00	200	Horizontal	Pass
5	216.921	14.79	-28.81	35.5	20.71	Peak	360.00	200	Horizontal	Pass
6	287.956	18.20	-25.18	35.5	17.30	Peak	26.00	200	Horizontal	Pass

30 MHz to 1 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	43.334	16.28	-26.30	29.5	13.22	Peak	345.00	100	Vertical	Pass
2	57.881	15.71	-26.39	29.5	13.79	Peak	360.00	200	Vertical	Pass
3	109.520	21.09	-29.08	33.0	11.91	Peak	188.00	100	Vertical	Pass
4	125.279	18.68	-27.80	33.0	14.32	Peak	123.00	100	Vertical	Pass
5	140.310	17.98	-26.13	33.0	15.02	Peak	80.00	100	Vertical	Pass
6	217.406	15.07	-28.81	35.5	20.43	Peak	118.00	200	Vertical	Pass

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

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1596.500	37.99	-17.12	74.0	36.01	Peak	97.00	200	Horizontal	Pass
1**	1596.500	28.63	-17.12	54.0	25.37	AV	97.00	200	Horizontal	Pass
2	4245.000	47.01	-4.25	74.0	26.99	Peak	74.00	200	Horizontal	Pass
2**	4245.000	37.98	-4.25	54.0	16.02	AV	74.00	200	Horizontal	Pass
3	5182.750	95.39	-2.41	--	--	Peak	0.00	100	Horizontal	N/A
3**	5182.750	87.81	-2.41	--	--	AV	0.00	100	Horizontal	N/A
4	7509.250	53.85	0.21	74.0	20.15	Peak	304.00	200	Horizontal	Pass
4**	7509.250	43.07	0.21	54.0	10.93	AV	304.00	200	Horizontal	Pass
5	12230.587	52.63	0.83	74.0	21.37	Peak	168.00	100	Horizontal	Pass
5**	12230.587	43.01	0.83	54.0	10.99	AV	168.00	100	Horizontal	Pass
6	15880.050	54.79	1.87	74.0	19.21	Peak	89.00	100	Horizontal	Pass
6**	15880.050	45.65	1.87	54.0	8.35	AV	89.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1592.300	38.05	-16.82	74.0	35.95	Peak	327.00	300	Vertical	Pass
1**	1592.300	28.89	-16.82	54.0	25.11	AV	327.00	300	Vertical	Pass
2	4331.750	46.78	-4.61	74.0	27.22	Peak	283.00	100	Vertical	Pass
2**	4331.750	37.74	-4.61	54.0	16.26	AV	283.00	100	Vertical	Pass
3	5181.500	101.44	-2.37	--	--	Peak	262.00	200	Vertical	N/A
3**	5181.500	93.69	-2.37	--	--	AV	262.00	200	Vertical	N/A
4	7425.500	53.45	1.31	74.0	20.55	Peak	344.00	300	Vertical	Pass
4**	7425.500	45.12	1.31	54.0	8.88	AV	344.00	300	Vertical	Pass
5	12355.750	52.63	0.88	74.0	21.37	Peak	0.00	100	Vertical	Pass
5**	12355.750	42.70	0.88	54.0	11.30	AV	0.00	100	Vertical	Pass
6	16149.638	54.50	2.15	74.0	19.50	Peak	135.00	200	Vertical	Pass
6**	16149.638	45.19	2.15	54.0	8.81	AV	135.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1443.700	38.45	-16.88	74.0	35.55	Peak	197.00	300	Horizontal	Pass
1**	1443.700	28.78	-16.88	54.0	25.22	AV	197.00	300	Horizontal	Pass
2	4303.750	46.94	-5.28	74.0	27.06	Peak	235.00	100	Horizontal	Pass
2**	4303.750	37.36	-5.28	54.0	16.64	AV	235.00	100	Horizontal	Pass
3	5213.250	95.80	-2.60	--	--	Peak	352.00	200	Horizontal	N/A
3**	5213.250	87.68	-2.60	--	--	AV	352.00	200	Horizontal	N/A
4	7714.500	53.58	1.63	74.0	20.42	Peak	282.00	100	Horizontal	Pass
4**	7714.500	43.88	1.63	54.0	10.12	AV	282.00	100	Horizontal	Pass
5	12545.037	53.26	1.18	74.0	20.74	Peak	178.00	100	Horizontal	Pass
5**	12545.037	43.02	1.18	54.0	10.98	AV	178.00	100	Horizontal	Pass
6	16088.475	54.90	1.60	74.0	19.10	Peak	172.00	400	Horizontal	Pass
6**	16088.475	45.69	1.60	54.0	8.31	AV	172.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1535.800	37.85	-17.00	74.0	36.15	Peak	188.00	300	Vertical	Pass
1**	1535.800	28.40	-17.00	54.0	25.60	AV	188.00	300	Vertical	Pass
2	4262.500	47.23	-4.38	74.0	26.77	Peak	221.00	100	Vertical	Pass
2**	4262.500	38.63	-4.38	54.0	15.37	AV	221.00	100	Vertical	Pass
3	5222.250	101.12	-2.99	--	--	Peak	264.00	200	Vertical	N/A
3**	5222.250	92.74	-2.99	--	--	AV	264.00	200	Vertical	N/A
4	7713.750	53.32	1.83	74.0	20.68	Peak	286.00	300	Vertical	Pass
4**	7713.750	43.82	1.83	54.0	10.18	AV	286.00	300	Vertical	Pass
5	11773.162	52.69	-0.17	74.0	21.31	Peak	224.00	150	Vertical	Pass
5**	11773.162	42.50	-0.17	54.0	11.50	AV	224.00	150	Vertical	Pass
6	15888.451	55.06	1.94	74.0	18.94	Peak	149.00	100	Vertical	Pass
6**	15888.451	45.52	1.94	54.0	8.48	AV	149.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1517.500	38.48	-17.11	74.0	35.52	Peak	172.00	300	Horizontal	Pass
1**	1517.500	28.22	-17.11	54.0	25.78	AV	172.00	300	Horizontal	Pass
2	4292.250	47.80	-4.60	74.0	26.20	Peak	219.00	100	Horizontal	Pass
2**	4292.250	37.86	-4.60	54.0	16.14	AV	219.00	100	Horizontal	Pass
3	5244.000	96.05	-3.31	--	--	Peak	360.00	100	Horizontal	N/A
3**	5244.000	88.31	-3.31	--	--	AV	360.00	100	Horizontal	N/A
4	7441.000	53.02	0.73	74.0	20.98	Peak	360.00	100	Horizontal	Pass
4**	7441.000	43.34	0.73	54.0	10.66	AV	360.00	100	Horizontal	Pass
5	11757.725	53.70	-0.19	74.0	20.30	Peak	360.00	150	Horizontal	Pass
5**	11757.725	43.77	-0.19	54.0	10.23	AV	360.00	150	Horizontal	Pass
6	15904.987	55.38	1.94	74.0	18.62	Peak	208.00	100	Horizontal	Pass
6**	15904.987	45.62	1.94	54.0	8.38	AV	208.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1485.900	38.25	-16.89	74.0	35.75	Peak	0.00	300	Vertical	Pass
1**	1485.900	28.71	-16.89	54.0	25.29	AV	0.00	300	Vertical	Pass
2	4394.250	46.79	-5.05	74.0	27.21	Peak	16.00	200	Vertical	Pass
2**	4394.250	37.62	-5.05	54.0	16.38	AV	16.00	200	Vertical	Pass
3	5234.000	101.28	-3.00	--	--	Peak	263.00	150	Vertical	N/A
3**	5234.000	93.11	-3.00	--	--	AV	263.00	150	Vertical	N/A
4	7713.500	53.26	1.71	74.0	20.74	Peak	36.00	300	Vertical	Pass
4**	7713.500	44.69	1.71	54.0	9.31	AV	36.00	300	Vertical	Pass
5	12553.825	52.87	1.08	74.0	21.13	Peak	104.00	150	Vertical	Pass
5**	12553.825	42.93	1.08	54.0	11.07	AV	104.00	150	Vertical	Pass
6	15886.088	54.93	1.92	74.0	19.07	Peak	206.00	200	Vertical	Pass
6**	15886.088	45.18	1.92	54.0	8.82	AV	206.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1481.000	37.90	-16.75	74.0	36.10	Peak	237.00	100	Horizontal	Pass
1**	1481.000	28.90	-16.75	54.0	25.10	AV	237.00	100	Horizontal	Pass
2	4106.750	46.61	-5.89	74.0	27.39	Peak	75.00	200	Horizontal	Pass
2**	4106.750	37.37	-5.89	54.0	16.63	AV	75.00	200	Horizontal	Pass
3	5183.500	95.36	-2.18	--	--	Peak	0.00	150	Horizontal	N/A
3**	5183.500	87.73	-2.18	--	--	AV	0.00	150	Horizontal	N/A
4	7453.500	53.11	0.37	74.0	20.89	Peak	55.00	400	Horizontal	Pass
4**	7453.500	43.53	0.37	54.0	10.47	AV	55.00	400	Horizontal	Pass
5	12256.238	52.62	1.04	74.0	21.38	Peak	192.00	200	Horizontal	Pass
5**	12256.238	42.90	1.04	54.0	11.10	AV	192.00	200	Horizontal	Pass
6	16106.588	54.40	1.80	74.0	19.60	Peak	250.00	400	Horizontal	Pass
6**	16106.588	46.35	1.80	54.0	7.65	AV	250.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1511.200	37.67	-16.81	74.0	36.33	Peak	0.00	100	Vertical	Pass
1**	1511.200	28.52	-16.81	54.0	25.48	AV	0.00	100	Vertical	Pass
2	4346.250	46.88	-4.98	74.0	27.12	Peak	140.00	300	Vertical	Pass
2**	4346.250	37.14	-4.98	54.0	16.86	AV	140.00	300	Vertical	Pass
3	5185.000	101.02	-2.34	--	--	Peak	262.00	100	Vertical	N/A
3**	5185.000	93.78	-2.34	--	--	AV	262.00	100	Vertical	N/A
4	7698.500	53.49	1.28	74.0	20.51	Peak	98.00	200	Vertical	Pass
4**	7698.500	44.12	1.28	54.0	9.88	AV	98.00	200	Vertical	Pass
5	12403.724	52.98	1.10	74.0	21.02	Peak	166.00	200	Vertical	Pass
5**	12403.724	44.20	1.10	54.0	9.80	AV	166.00	200	Vertical	Pass
6	16094.250	54.76	1.67	74.0	19.24	Peak	36.00	400	Vertical	Pass
6**	16094.250	46.43	1.67	54.0	7.57	AV	36.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1532.300	38.57	-16.88	74.0	35.43	Peak	91.00	200	Horizontal	Pass
1**	1532.300	29.96	-16.88	54.0	24.04	AV	91.00	200	Horizontal	Pass
2	4191.250	46.77	-5.59	74.0	27.23	Peak	192.00	200	Horizontal	Pass
2**	4191.250	37.53	-5.59	54.0	16.47	AV	192.00	200	Horizontal	Pass
3	5223.750	95.89	-3.11	--	--	Peak	360.00	150	Horizontal	N/A
3**	5223.750	88.75	-3.11	--	--	AV	360.00	150	Horizontal	N/A
4	7690.000	54.29	1.28	74.0	19.71	Peak	148.00	100	Horizontal	Pass
4**	7690.000	44.30	1.28	54.0	9.70	AV	148.00	100	Horizontal	Pass
5	12202.087	53.33	0.43	74.0	20.67	Peak	309.00	150	Horizontal	Pass
5**	12202.087	42.89	0.43	54.0	11.11	AV	309.00	150	Horizontal	Pass
6	16103.175	55.13	1.78	74.0	18.87	Peak	22.00	300	Horizontal	Pass
6**	16103.175	45.63	1.78	54.0	8.37	AV	22.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1442.900	38.40	-16.91	74.0	35.60	Peak	102.00	100	Vertical	Pass
1**	1442.900	29.35	-16.91	54.0	24.65	AV	102.00	100	Vertical	Pass
2	4324.250	47.29	-4.89	74.0	26.71	Peak	19.00	100	Vertical	Pass
2**	4324.250	38.27	-4.89	54.0	15.73	AV	19.00	100	Vertical	Pass
3	5221.500	102.17	-3.10	--	--	Peak	264.00	200	Vertical	N/A
3**	5221.500	93.32	-3.10	--	--	AV	264.00	200	Vertical	N/A
4	7710.250	53.73	1.90	74.0	20.27	Peak	337.00	400	Vertical	Pass
4**	7710.250	44.54	1.90	54.0	9.46	AV	337.00	400	Vertical	Pass
5	12208.026	53.08	0.52	74.0	20.92	Peak	310.00	150	Vertical	Pass
5**	12208.026	43.36	0.52	54.0	10.64	AV	310.00	150	Vertical	Pass
6	16114.463	54.35	1.87	74.0	19.65	Peak	257.00	100	Vertical	Pass
6**	16114.463	45.80	1.87	54.0	8.20	AV	257.00	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)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1532.200	38.65	-16.90	74.0	35.35	Peak	319.00	300	Horizontal	Pass
1**	1532.200	29.34	-16.90	54.0	24.66	AV	319.00	300	Horizontal	Pass
2	4254.000	47.58	-4.29	74.0	26.42	Peak	318.00	200	Horizontal	Pass
2**	4254.000	38.78	-4.29	54.0	15.22	AV	318.00	200	Horizontal	Pass
3	5245.750	96.12	-3.01	--	--	Peak	358.00	200	Horizontal	N/A
3**	5245.750	88.80	-3.01	--	--	AV	358.00	200	Horizontal	N/A
4	7736.250	53.21	0.44	74.0	20.79	Peak	297.00	200	Horizontal	Pass
4**	7736.250	44.02	0.44	54.0	9.98	AV	297.00	200	Horizontal	Pass
5	11762.237	52.49	-0.18	74.0	21.51	Peak	55.00	150	Horizontal	Pass
5**	11762.237	43.08	-0.18	54.0	10.92	AV	55.00	150	Horizontal	Pass
6	15901.050	54.32	2.01	74.0	19.68	Peak	140.00	400	Horizontal	Pass
6**	15901.050	45.52	2.01	54.0	8.48	AV	140.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1466.700	38.48	-17.34	74.0	35.52	Peak	104.00	100	Vertical	Pass
1**	1466.700	28.08	-17.34	54.0	25.92	AV	104.00	100	Vertical	Pass
2	4336.250	48.04	-4.87	74.0	25.96	Peak	269.00	100	Vertical	Pass
2**	4336.250	37.31	-4.87	54.0	16.69	AV	269.00	100	Vertical	Pass
3	5233.500	101.24	-2.89	--	--	Peak	269.00	100	Vertical	N/A
3**	5233.500	93.51	-2.89	--	--	AV	269.00	100	Vertical	N/A
4	7690.000	52.93	1.28	74.0	21.07	Peak	84.00	200	Vertical	Pass
4**	7690.000	44.41	1.28	54.0	9.59	AV	84.00	200	Vertical	Pass
5	12519.625	53.57	1.33	74.0	20.43	Peak	162.00	100	Vertical	Pass
5**	12519.625	43.73	1.33	54.0	10.27	AV	162.00	100	Vertical	Pass
6	16124.174	54.47	1.94	74.0	19.53	Peak	46.00	400	Vertical	Pass
6**	16124.174	45.66	1.94	54.0	8.34	AV	46.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1455.700	38.27	-17.25	74.0	35.73	Peak	274.00	200	Horizontal	Pass
1**	1455.700	28.12	-17.25	54.0	25.88	AV	274.00	200	Horizontal	Pass
2	4335.000	47.51	-5.20	74.0	26.49	Peak	297.00	300	Horizontal	Pass
2**	4335.000	37.28	-5.20	54.0	16.72	AV	297.00	300	Horizontal	Pass
3	5263.500	96.59	-2.98	--	--	Peak	357.00	150	Horizontal	N/A
3**	5263.500	88.31	-2.98	--	--	AV	357.00	150	Horizontal	N/A
4	7709.750	53.38	1.76	74.0	20.62	Peak	360.00	300	Horizontal	Pass
4**	7709.750	44.62	1.76	54.0	9.38	AV	360.00	300	Horizontal	Pass
5	11765.325	52.83	-0.18	74.0	21.17	Peak	87.00	200	Horizontal	Pass
5**	11765.325	43.68	-0.18	54.0	10.32	AV	87.00	200	Horizontal	Pass
6	15893.701	55.38	1.98	74.0	18.62	Peak	140.00	100	Horizontal	Pass
6**	15893.701	45.43	1.98	54.0	8.57	AV	140.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.400	38.26	-17.01	74.0	35.74	Peak	224.00	100	Vertical	Pass
1**	1440.400	28.89	-17.01	54.0	25.11	AV	224.00	100	Vertical	Pass
2	4399.000	47.00	-4.83	74.0	27.00	Peak	167.00	300	Vertical	Pass
2**	4399.000	37.48	-4.83	54.0	16.52	AV	167.00	300	Vertical	Pass
3	5262.500	101.63	-3.10	--	--	Peak	255.00	150	Vertical	N/A
3**	5262.500	93.84	-3.10	--	--	AV	255.00	150	Vertical	N/A
4	7719.500	53.80	1.10	74.0	20.20	Peak	211.00	100	Vertical	Pass
4**	7719.500	43.56	1.10	54.0	10.44	AV	211.00	100	Vertical	Pass
5	12497.776	52.81	1.42	74.0	21.19	Peak	292.00	150	Vertical	Pass
5**	12497.776	42.78	1.42	54.0	11.22	AV	292.00	150	Vertical	Pass
6	15927.037	55.19	1.56	74.0	18.81	Peak	230.00	300	Vertical	Pass
6**	15927.037	44.79	1.56	54.0	9.21	AV	230.00	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)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1578.300	38.24	-17.06	74.0	35.76	Peak	360.00	400	Horizontal	Pass
1**	1578.300	28.80	-17.06	54.0	25.20	AV	360.00	400	Horizontal	Pass
2	4320.750	47.07	-4.72	74.0	26.93	Peak	360.00	100	Horizontal	Pass
2**	4320.750	37.79	-4.72	54.0	16.21	AV	360.00	100	Horizontal	Pass
3	5301.500	96.86	-2.76	--	--	Peak	360.00	150	Horizontal	N/A
3**	5301.500	89.31	-2.76	--	--	AV	360.00	150	Horizontal	N/A
4	7422.750	53.54	1.46	74.0	20.46	Peak	130.00	100	Horizontal	Pass
4**	7422.750	44.33	1.46	54.0	9.67	AV	130.00	100	Horizontal	Pass
5	12229.162	52.69	0.81	74.0	21.31	Peak	331.00	200	Horizontal	Pass
5**	12229.162	42.25	0.81	54.0	11.75	AV	331.00	200	Horizontal	Pass
6	16076.401	54.54	1.44	74.0	19.46	Peak	163.00	200	Horizontal	Pass
6**	16076.401	45.56	1.44	54.0	8.44	AV	163.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1513.300	38.49	-16.71	74.0	35.51	Peak	204.00	400	Vertical	Pass
1**	1513.300	30.11	-16.71	54.0	23.89	AV	204.00	400	Vertical	Pass
2	4273.250	47.41	-5.01	74.0	26.59	Peak	243.00	200	Vertical	Pass
2**	4273.250	37.35	-5.01	54.0	16.65	AV	243.00	200	Vertical	Pass
3	5301.250	101.91	-2.86	--	--	Peak	243.00	150	Vertical	N/A
3**	5301.250	94.38	-2.86	--	--	AV	243.00	150	Vertical	N/A
4	7717.000	53.23	1.14	74.0	20.77	Peak	119.00	100	Vertical	Pass
4**	7717.000	43.34	1.14	54.0	10.66	AV	119.00	100	Vertical	Pass
5	11800.475	52.88	-0.15	74.0	21.12	Peak	360.00	150	Vertical	Pass
5**	11800.475	43.32	-0.15	54.0	10.68	AV	360.00	150	Vertical	Pass
6	15908.138	54.79	1.89	74.0	19.21	Peak	64.00	300	Vertical	Pass
6**	15908.138	45.11	1.89	54.0	8.89	AV	64.00	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)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1483.600	38.77	-17.01	74.0	35.23	Peak	7.00	300	Horizontal	Pass
1**	1483.600	28.55	-17.01	54.0	25.45	AV	7.00	300	Horizontal	Pass
2	4311.000	47.52	-5.50	74.0	26.48	Peak	332.00	200	Horizontal	Pass
2**	4311.000	38.01	-5.50	54.0	15.99	AV	332.00	200	Horizontal	Pass
3	5317.750	96.82	-3.18	--	--	Peak	356.00	200	Horizontal	N/A
3**	5317.750	88.49	-3.18	--	--	AV	356.00	200	Horizontal	N/A
4	7410.500	53.48	0.67	74.0	20.52	Peak	360.00	100	Horizontal	Pass
4**	7410.500	44.48	0.67	54.0	9.52	AV	360.00	100	Horizontal	Pass
5	12486.375	52.76	1.33	74.0	21.24	Peak	123.00	200	Horizontal	Pass
5**	12486.375	43.83	1.33	54.0	10.17	AV	123.00	200	Horizontal	Pass
6	16104.750	54.85	1.79	74.0	19.15	Peak	305.00	200	Horizontal	Pass
6**	16104.750	46.33	1.79	54.0	7.67	AV	305.00	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)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1623.700	38.35	-16.85	74.0	35.65	Peak	41.00	200	Vertical	Pass
1**	1623.700	29.86	-16.85	54.0	24.14	AV	41.00	200	Vertical	Pass
2	4052.500	46.74	-5.50	74.0	27.26	Peak	358.00	100	Vertical	Pass
2**	4052.500	36.78	-5.50	54.0	17.22	AV	358.00	100	Vertical	Pass
3	5325.500	102.69	-3.07	--	--	Peak	263.00	100	Vertical	N/A
3**	5325.500	95.61	-3.07	--	--	AV	263.00	100	Vertical	N/A
4	7334.000	53.57	0.18	74.0	20.43	Peak	46.00	400	Vertical	Pass
4**	7334.000	43.95	0.18	54.0	10.05	AV	46.00	400	Vertical	Pass
5	12243.888	52.57	1.02	74.0	21.43	Peak	63.00	200	Vertical	Pass
5**	12243.888	43.30	1.02	54.0	10.70	AV	63.00	200	Vertical	Pass
6	16143.863	55.00	2.10	74.0	19.00	Peak	19.00	400	Vertical	Pass
6**	16143.863	45.38	2.10	54.0	8.62	AV	19.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1611.200	38.41	-16.99	74.0	35.59	Peak	309.00	100	Horizontal	Pass
1**	1611.200	29.13	-16.99	54.0	24.87	AV	309.00	100	Horizontal	Pass
2	4302.750	47.10	-5.03	74.0	26.90	Peak	131.00	300	Horizontal	Pass
2**	4302.750	37.90	-5.03	54.0	16.10	AV	131.00	300	Horizontal	Pass
3	5265.000	96.82	-2.76	--	--	Peak	352.00	200	Horizontal	N/A
3**	5265.000	88.91	-2.76	--	--	AV	352.00	200	Horizontal	N/A
4	7719.250	53.34	1.15	74.0	20.66	Peak	131.00	200	Horizontal	Pass
4**	7719.250	43.62	1.15	54.0	10.38	AV	131.00	200	Horizontal	Pass
5	12379.500	52.82	1.00	74.0	21.18	Peak	284.00	150	Horizontal	Pass
5**	12379.500	42.58	1.00	54.0	11.42	AV	284.00	150	Horizontal	Pass
6	15686.587	54.98	1.75	74.0	19.02	Peak	179.00	200	Horizontal	Pass
6**	15686.587	44.57	1.75	54.0	9.43	AV	179.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1511.800	37.85	-16.65	74.0	36.15	Peak	45.00	100	Vertical	Pass
1**	1511.800	28.72	-16.65	54.0	25.28	AV	45.00	100	Vertical	Pass
2	4361.750	47.23	-4.96	74.0	26.77	Peak	297.00	300	Vertical	Pass
2**	4361.750	37.20	-4.96	54.0	16.80	AV	297.00	300	Vertical	Pass
3	5254.000	101.78	-2.78	--	--	Peak	255.00	150	Vertical	N/A
3**	5254.000	94.15	-2.78	--	--	AV	255.00	150	Vertical	N/A
4	7708.250	52.90	1.90	74.0	21.10	Peak	39.00	200	Vertical	Pass
4**	7708.250	45.20	1.90	54.0	8.80	AV	39.00	200	Vertical	Pass
5	12261.701	53.00	0.98	74.0	21.00	Peak	341.00	200	Vertical	Pass
5**	12261.701	43.05	0.98	54.0	10.95	AV	341.00	200	Vertical	Pass
6	15677.138	54.35	1.85	74.0	19.65	Peak	338.00	200	Vertical	Pass
6**	15677.138	44.93	1.85	54.0	9.07	AV	338.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1496.900	38.79	-16.77	74.0	35.21	Peak	102.00	100	Horizontal	Pass
1**	1496.900	28.19	-16.77	54.0	25.81	AV	102.00	100	Horizontal	Pass
2	4255.250	47.72	-4.03	74.0	26.28	Peak	213.00	400	Horizontal	Pass
2**	4255.250	38.26	-4.03	54.0	15.74	AV	213.00	400	Horizontal	Pass
3	5298.000	96.72	-2.75	--	--	Peak	0.00	150	Horizontal	N/A
3**	5298.000	89.31	-2.75	--	--	AV	0.00	150	Horizontal	N/A
4	7436.250	53.14	0.81	74.0	20.86	Peak	260.00	200	Horizontal	Pass
4**	7436.250	44.19	0.81	54.0	9.81	AV	260.00	200	Horizontal	Pass
5	12503.474	52.71	1.42	74.0	21.29	Peak	314.00	150	Horizontal	Pass
5**	12503.474	43.37	1.42	54.0	10.63	AV	314.00	150	Horizontal	Pass
6	15903.150	54.99	1.97	74.0	19.01	Peak	192.00	400	Horizontal	Pass
6**	15903.150	44.95	1.97	54.0	9.05	AV	192.00	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)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1614.000	38.51	-16.70	74.0	35.49	Peak	144.00	300	Vertical	Pass
1**	1614.000	28.82	-16.70	54.0	25.18	AV	144.00	300	Vertical	Pass
2	4135.000	46.83	-5.35	74.0	27.17	Peak	0.00	200	Vertical	Pass
2**	4135.000	37.42	-5.35	54.0	16.58	AV	0.00	200	Vertical	Pass
3	5304.750	101.82	-2.92	--	--	Peak	262.00	100	Vertical	N/A
3**	5304.750	94.41	-2.92	--	--	AV	262.00	100	Vertical	N/A
4	7705.000	52.77	2.03	74.0	21.23	Peak	94.00	300	Vertical	Pass
4**	7705.000	45.08	2.03	54.0	8.92	AV	94.00	300	Vertical	Pass
5	11800.237	53.02	-0.15	74.0	20.98	Peak	265.00	150	Vertical	Pass
5**	11800.237	43.30	-0.15	54.0	10.70	AV	265.00	150	Vertical	Pass
6	16091.888	54.84	1.64	74.0	19.16	Peak	214.00	100	Vertical	Pass
6**	16091.888	45.77	1.64	54.0	8.23	AV	214.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1471.300	39.47	-17.03	74.0	34.53	Peak	135.00	200	Horizontal	Pass
1**	1471.300	29.43	-17.03	54.0	24.57	AV	135.00	200	Horizontal	Pass
2	4240.250	46.84	-5.06	74.0	27.16	Peak	45.00	100	Horizontal	Pass
2**	4240.250	37.33	-5.06	54.0	16.67	AV	45.00	100	Horizontal	Pass
3	5316.750	96.34	-2.94	--	--	Peak	342.00	150	Horizontal	N/A
3**	5316.750	88.59	-2.94	--	--	AV	342.00	150	Horizontal	N/A
4	7422.500	52.94	1.35	74.0	21.06	Peak	19.00	100	Horizontal	Pass
4**	7422.500	44.21	1.35	54.0	9.79	AV	19.00	100	Horizontal	Pass
5	12377.362	52.46	0.99	74.0	21.54	Peak	315.00	150	Horizontal	Pass
5**	12377.362	43.06	0.99	54.0	10.94	AV	315.00	150	Horizontal	Pass
6	16127.325	54.73	1.97	74.0	19.27	Peak	176.00	200	Horizontal	Pass
6**	16127.325	45.77	1.97	54.0	8.23	AV	176.00	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)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1503.500	38.75	-17.12	74.0	35.25	Peak	346.00	400	Vertical	Pass
1**	1503.500	28.75	-17.12	54.0	25.25	AV	346.00	400	Vertical	Pass
2	4273.750	47.26	-4.74	74.0	26.74	Peak	171.00	200	Vertical	Pass
2**	4273.750	37.51	-4.74	54.0	16.49	AV	171.00	200	Vertical	Pass
3	5323.000	102.92	-3.04	--	--	Peak	244.00	200	Vertical	N/A
3**	5323.000	94.23	-3.04	--	--	AV	244.00	200	Vertical	N/A
4	7448.750	53.29	0.22	74.0	20.71	Peak	198.00	300	Vertical	Pass
4**	7448.750	43.66	0.22	54.0	10.34	AV	198.00	300	Vertical	Pass
5	12261.224	53.47	0.98	74.0	20.53	Peak	358.00	200	Vertical	Pass
5**	12261.224	44.08	0.98	54.0	9.92	AV	358.00	200	Vertical	Pass
6	16110.788	55.09	1.84	74.0	18.91	Peak	257.00	100	Vertical	Pass
6**	16110.788	45.25	1.84	54.0	8.75	AV	257.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.800	38.25	-16.78	74.0	35.75	Peak	221.00	400	Horizontal	Pass
1**	1440.800	28.82	-16.78	54.0	25.18	AV	221.00	400	Horizontal	Pass
2	4326.000	46.65	-5.04	74.0	27.35	Peak	182.00	100	Horizontal	Pass
2**	4326.000	37.54	-5.04	54.0	16.46	AV	182.00	100	Horizontal	Pass
3	5492.500	98.30	-2.30	--	--	Peak	360.00	100	Horizontal	N/A
3**	5492.500	90.96	-2.30	--	--	AV	360.00	100	Horizontal	N/A
4	7680.000	53.97	0.84	74.0	20.03	Peak	352.00	100	Horizontal	Pass
4**	7680.000	44.04	0.84	54.0	9.96	AV	352.00	100	Horizontal	Pass
5	12240.088	52.47	0.97	74.0	21.53	Peak	87.00	200	Horizontal	Pass
5**	12240.088	43.08	0.97	54.0	10.92	AV	87.00	200	Horizontal	Pass
6	15627.263	55.02	1.58	74.0	18.98	Peak	243.00	400	Horizontal	Pass
6**	15627.263	44.02	1.58	54.0	9.98	AV	243.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1520.600	38.34	-17.31	74.0	35.66	Peak	300.00	100	Vertical	Pass
1**	1520.600	29.37	-17.31	54.0	24.63	AV	300.00	100	Vertical	Pass
2	4138.000	47.67	-5.51	74.0	26.33	Peak	159.00	400	Vertical	Pass
2**	4138.000	36.81	-5.51	54.0	17.19	AV	159.00	400	Vertical	Pass
3	5494.500	102.85	-2.43	--	--	Peak	262.00	100	Vertical	N/A
3**	5494.500	95.73	-2.43	--	--	AV	262.00	100	Vertical	N/A
4	7701.500	53.27	1.29	74.0	20.73	Peak	201.00	300	Vertical	Pass
4**	7701.500	44.13	1.29	54.0	9.87	AV	201.00	300	Vertical	Pass
5	11724.713	52.84	-0.36	74.0	21.16	Peak	197.00	100	Vertical	Pass
5**	11724.713	42.67	-0.36	54.0	11.33	AV	197.00	100	Vertical	Pass
6	15438.525	54.40	2.18	74.0	19.60	Peak	360.00	200	Vertical	Pass
6**	15438.525	44.61	2.18	54.0	9.39	AV	360.00	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)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1612.600	38.37	-16.75	74.0	35.63	Peak	0.00	400	Horizontal	Pass
1**	1612.600	29.58	-16.75	54.0	24.42	AV	0.00	400	Horizontal	Pass
2	4246.750	47.18	-4.40	74.0	26.82	Peak	178.00	400	Horizontal	Pass
2**	4246.750	39.23	-4.40	54.0	14.77	AV	178.00	400	Horizontal	Pass
3	5581.750	98.60	-1.98	--	--	Peak	0.00	150	Horizontal	N/A
3**	5581.750	90.20	-1.98	--	--	AV	0.00	150	Horizontal	N/A
4	7704.750	53.48	2.00	74.0	20.52	Peak	53.00	200	Horizontal	Pass
4**	7704.750	44.38	2.00	54.0	9.62	AV	53.00	200	Horizontal	Pass
5	12495.638	52.72	1.40	74.0	21.28	Peak	186.00	200	Horizontal	Pass
5**	12495.638	43.05	1.40	54.0	10.95	AV	186.00	200	Horizontal	Pass
6	16172.738	54.36	2.00	74.0	19.64	Peak	173.00	100	Horizontal	Pass
6**	16172.738	44.58	2.00	54.0	9.42	AV	173.00	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)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1581.600	38.44	-16.77	74.0	35.56	Peak	307.00	100	Vertical	Pass
1**	1581.600	29.30	-16.77	54.0	24.70	AV	307.00	100	Vertical	Pass
2	3979.500	47.05	-5.44	74.0	26.95	Peak	143.00	400	Vertical	Pass
2**	3979.500	37.69	-5.44	54.0	16.31	AV	143.00	400	Vertical	Pass
3	5572.250	103.15	-2.45	--	--	Peak	187.00	200	Vertical	N/A
3**	5572.250	96.65	-2.45	--	--	AV	187.00	200	Vertical	N/A
4	7445.250	53.37	0.41	74.0	20.63	Peak	209.00	400	Vertical	Pass
4**	7445.250	43.00	0.41	54.0	11.00	AV	209.00	400	Vertical	Pass
5	11729.225	52.70	-0.33	74.0	21.30	Peak	105.00	200	Vertical	Pass
5**	11729.225	43.12	-0.33	54.0	10.88	AV	105.00	200	Vertical	Pass
6	16097.138	54.53	1.71	74.0	19.47	Peak	328.00	100	Vertical	Pass
6**	16097.138	45.68	1.71	54.0	8.32	AV	328.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1589.900	38.46	-17.23	74.0	35.54	Peak	67.00	200	Horizontal	Pass
1**	1589.900	28.23	-17.23	54.0	25.77	AV	67.00	200	Horizontal	Pass
2	4340.750	47.16	-4.79	74.0	26.84	Peak	6.00	400	Horizontal	Pass
2**	4340.750	37.89	-4.79	54.0	16.11	AV	6.00	400	Horizontal	Pass
3	5707.250	97.96	-2.37	--	--	Peak	341.00	150	Horizontal	N/A
3**	5707.250	91.28	-2.37	--	--	AV	341.00	150	Horizontal	N/A
4	7705.000	54.00	2.03	74.0	20.00	Peak	217.00	200	Horizontal	Pass
4**	7705.000	44.73	2.03	54.0	9.27	AV	217.00	200	Horizontal	Pass
5	12254.576	52.55	1.05	74.0	21.45	Peak	114.00	100	Horizontal	Pass
5**	12254.576	43.75	1.05	54.0	10.25	AV	114.00	100	Horizontal	Pass
6	16110.525	55.19	1.84	74.0	18.81	Peak	348.00	400	Horizontal	Pass
6**	16110.525	45.69	1.84	54.0	8.31	AV	348.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1602.700	38.28	-16.93	74.0	35.72	Peak	342.00	300	Vertical	Pass
1**	1602.700	29.44	-16.93	54.0	24.56	AV	342.00	300	Vertical	Pass
2	4376.750	46.82	-4.92	74.0	27.18	Peak	321.00	200	Vertical	Pass
2**	4376.750	37.53	-4.92	54.0	16.47	AV	321.00	200	Vertical	Pass
3	5694.000	103.14	-2.34	--	--	Peak	168.00	150	Vertical	N/A
3**	5694.000	95.16	-2.34	--	--	AV	168.00	150	Vertical	N/A
4	7705.250	53.25	2.03	74.0	20.75	Peak	7.00	200	Vertical	Pass
4**	7705.250	45.11	2.03	54.0	8.89	AV	7.00	200	Vertical	Pass
5	12442.675	52.40	1.05	74.0	21.60	Peak	338.00	200	Vertical	Pass
5**	12442.675	43.29	1.05	54.0	10.71	AV	338.00	200	Vertical	Pass
6	16127.588	54.71	1.97	74.0	19.29	Peak	36.00	300	Vertical	Pass
6**	16127.588	45.05	1.97	54.0	8.95	AV	36.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1500.300	38.48	-16.84	74.0	35.52	Peak	360.00	300	Horizontal	Pass
1**	1500.300	28.67	-16.84	54.0	25.33	AV	360.00	300	Horizontal	Pass
2	4387.000	47.35	-4.61	74.0	26.65	Peak	107.00	100	Horizontal	Pass
2**	4387.000	38.19	-4.61	54.0	15.81	AV	107.00	100	Horizontal	Pass
3	5493.000	97.90	-2.29	--	--	Peak	360.00	200	Horizontal	N/A
3**	5493.000	90.73	-2.29	--	--	AV	360.00	200	Horizontal	N/A
4	7687.000	53.41	1.20	74.0	20.59	Peak	263.00	100	Horizontal	Pass
4**	7687.000	44.74	1.20	54.0	9.26	AV	263.00	100	Horizontal	Pass
5	12274.050	52.91	0.84	74.0	21.09	Peak	75.00	150	Horizontal	Pass
5**	12274.050	43.18	0.84	54.0	10.82	AV	75.00	150	Horizontal	Pass
6	16098.713	54.99	1.73	74.0	19.01	Peak	0.00	400	Horizontal	Pass
6**	16098.713	44.68	1.73	54.0	9.32	AV	0.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1602.700	38.75	-16.93	74.0	35.25	Peak	242.00	200	Vertical	Pass
1**	1602.700	28.72	-16.93	54.0	25.28	AV	242.00	200	Vertical	Pass
2	4320.000	47.48	-5.19	74.0	26.52	Peak	324.00	300	Vertical	Pass
2**	4320.000	37.47	-5.19	54.0	16.53	AV	324.00	300	Vertical	Pass
3	5493.250	103.20	-2.20	--	--	Peak	269.00	200	Vertical	N/A
3**	5493.250	96.28	-2.20	--	--	AV	269.00	200	Vertical	N/A
4	7485.750	53.60	1.39	74.0	20.40	Peak	360.00	100	Vertical	Pass
4**	7485.750	44.59	1.39	54.0	9.41	AV	360.00	100	Vertical	Pass
5	11798.813	53.03	-0.15	74.0	20.97	Peak	125.00	100	Vertical	Pass
5**	11798.813	43.75	-0.15	54.0	10.25	AV	125.00	100	Vertical	Pass
6	16095.825	55.43	1.70	74.0	18.57	Peak	359.00	100	Vertical	Pass
6**	16095.825	45.58	1.70	54.0	8.42	AV	359.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1548.300	38.17	-17.33	74.0	35.83	Peak	216.00	200	Horizontal	Pass
1**	1548.300	28.40	-17.33	54.0	25.60	AV	216.00	200	Horizontal	Pass
2	4194.000	47.07	-5.27	74.0	26.93	Peak	102.00	200	Horizontal	Pass
2**	4194.000	37.86	-5.27	54.0	16.14	AV	102.00	200	Horizontal	Pass
3	5577.000	99.15	-1.99	--	--	Peak	339.00	150	Horizontal	N/A
3**	5577.000	92.68	-1.99	--	--	AV	339.00	150	Horizontal	N/A
4	7352.000	53.45	0.35	74.0	20.55	Peak	189.00	100	Horizontal	Pass
4**	7352.000	43.67	0.35	54.0	10.33	AV	189.00	100	Horizontal	Pass
5	12509.887	52.61	1.38	74.0	21.39	Peak	65.00	200	Horizontal	Pass
5**	12509.887	43.04	1.38	54.0	10.96	AV	65.00	200	Horizontal	Pass
6	16087.162	55.41	1.58	74.0	18.59	Peak	161.00	300	Horizontal	Pass
6**	16087.162	45.71	1.58	54.0	8.29	AV	161.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1581.600	38.44	-16.77	74.0	35.56	Peak	307.00	100	Vertical	Pass
1**	1581.600	29.30	-16.77	54.0	24.70	AV	307.00	100	Vertical	Pass
2	3979.500	47.05	-5.44	74.0	26.95	Peak	143.00	400	Vertical	Pass
2**	3979.500	37.69	-5.44	54.0	16.31	AV	143.00	400	Vertical	Pass
3	5572.250	103.15	-2.45	--	--	Peak	187.00	200	Vertical	N/A
3**	5572.250	96.65	-2.45	--	--	AV	187.00	200	Vertical	N/A
4	7445.250	53.37	0.41	74.0	20.63	Peak	209.00	400	Vertical	Pass
4**	7445.250	43.00	0.41	54.0	11.00	AV	209.00	400	Vertical	Pass
5	11729.225	52.70	-0.33	74.0	21.30	Peak	105.00	200	Vertical	Pass
5**	11729.225	43.12	-0.33	54.0	10.88	AV	105.00	200	Vertical	Pass
6	16097.138	54.53	1.71	74.0	19.47	Peak	328.00	100	Vertical	Pass
6**	16097.138	45.68	1.71	54.0	8.32	AV	328.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1511.900	38.61	-16.59	74.0	35.39	Peak	342.00	100	Horizontal	Pass
1**	1511.900	28.94	-16.59	54.0	25.06	AV	342.00	100	Horizontal	Pass
2	4245.250	47.06	-4.33	74.0	26.94	Peak	138.00	100	Horizontal	Pass
2**	4245.250	38.06	-4.33	54.0	15.94	AV	138.00	100	Horizontal	Pass
3	5706.500	98.42	-2.35	--	--	Peak	341.00	100	Horizontal	N/A
3**	5706.500	90.08	-2.35	--	--	AV	341.00	100	Horizontal	N/A
4	7423.250	53.27	1.41	74.0	20.73	Peak	165.00	100	Horizontal	Pass
4**	7423.250	44.36	1.41	54.0	9.64	AV	165.00	100	Horizontal	Pass
5	11451.112	53.02	-1.42	74.0	20.98	Peak	284.00	200	Horizontal	Pass
5**	11451.112	42.22	-1.42	54.0	11.78	AV	284.00	200	Horizontal	Pass
6	16112.362	54.78	1.85	74.0	19.22	Peak	205.00	200	Horizontal	Pass
6**	16112.362	45.92	1.85	54.0	8.08	AV	205.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1454.300	38.34	-17.16	74.0	35.66	Peak	155.00	400	Vertical	Pass
1**	1454.300	28.37	-17.16	54.0	25.63	AV	155.00	400	Vertical	Pass
2	4324.500	46.78	-4.97	74.0	27.22	Peak	136.00	400	Vertical	Pass
2**	4324.500	38.16	-4.97	54.0	15.84	AV	136.00	400	Vertical	Pass
3	5692.500	102.65	-2.34	--	--	Peak	162.00	100	Vertical	N/A
3**	5692.500	95.84	-2.34	--	--	AV	162.00	100	Vertical	N/A
4	7713.250	53.65	1.67	74.0	20.35	Peak	11.00	300	Vertical	Pass
4**	7713.250	44.41	1.67	54.0	9.59	AV	11.00	300	Vertical	Pass
5	12265.737	52.62	0.93	74.0	21.38	Peak	103.00	100	Vertical	Pass
5**	12265.737	43.55	0.93	54.0	10.45	AV	103.00	100	Vertical	Pass
6	16118.925	54.62	1.90	74.0	19.38	Peak	107.00	400	Vertical	Pass
6**	16118.925	45.43	1.90	54.0	8.57	AV	107.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1468.600	38.94	-17.17	74.0	35.06	Peak	308.00	300	Horizontal	Pass
1**	1468.600	29.22	-17.17	54.0	24.78	AV	308.00	300	Horizontal	Pass
2	4025.750	46.58	-6.04	74.0	27.42	Peak	44.00	300	Horizontal	Pass
2**	4025.750	37.77	-6.04	54.0	16.23	AV	44.00	300	Horizontal	Pass
3	5738.750	99.15	-1.99	--	--	Peak	344.00	150	Horizontal	N/A
3**	5738.750	92.10	-1.99	--	--	AV	344.00	150	Horizontal	N/A
4	7483.000	52.79	0.95	74.0	21.21	Peak	68.00	400	Horizontal	Pass
4**	7483.000	43.28	0.95	54.0	10.72	AV	68.00	400	Horizontal	Pass
5	12305.637	52.75	0.59	74.0	21.25	Peak	213.00	200	Horizontal	Pass
5**	12305.637	42.23	0.59	54.0	11.77	AV	213.00	200	Horizontal	Pass
6	16156.200	55.56	2.11	74.0	18.44	Peak	190.00	300	Horizontal	Pass
6**	16156.200	45.81	2.11	54.0	8.19	AV	190.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1441.600	38.03	-16.94	74.0	35.97	Peak	28.00	300	Vertical	Pass
1**	1441.600	28.73	-16.94	54.0	25.27	AV	28.00	300	Vertical	Pass
2	4112.250	46.78	-5.71	74.0	27.22	Peak	278.00	100	Vertical	Pass
2**	4112.250	37.39	-5.71	54.0	16.61	AV	278.00	100	Vertical	Pass
3	5740.250	103.44	-1.96	--	--	Peak	171.00	100	Vertical	N/A
3**	5740.250	95.43	-1.96	--	--	AV	171.00	100	Vertical	N/A
4	7621.750	52.80	0.15	74.0	21.20	Peak	85.00	200	Vertical	Pass
4**	7621.750	43.08	0.15	54.0	10.92	AV	85.00	200	Vertical	Pass
5	12411.800	52.92	1.09	74.0	21.08	Peak	131.00	100	Vertical	Pass
5**	12411.800	43.17	1.09	54.0	10.83	AV	131.00	100	Vertical	Pass
6	16138.613	54.53	2.06	74.0	19.47	Peak	107.00	300	Vertical	Pass
6**	16138.613	45.95	2.06	54.0	8.05	AV	107.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1612.700	38.69	-16.72	74.0	35.31	Peak	304.00	300	Horizontal	Pass
1**	1612.700	29.69	-16.72	54.0	24.31	AV	304.00	300	Horizontal	Pass
2	4316.250	46.86	-5.30	74.0	27.14	Peak	190.00	200	Horizontal	Pass
2**	4316.250	37.48	-5.30	54.0	16.52	AV	190.00	200	Horizontal	Pass
3	5778.000	98.23	-2.48	--	--	Peak	341.00	150	Horizontal	N/A
3**	5778.000	90.88	-2.48	--	--	AV	341.00	150	Horizontal	N/A
4	7705.250	52.93	2.03	74.0	21.07	Peak	139.00	300	Horizontal	Pass
4**	7705.250	44.35	2.03	54.0	9.65	AV	139.00	300	Horizontal	Pass
5	12440.063	53.29	1.05	74.0	20.71	Peak	97.00	150	Horizontal	Pass
5**	12440.063	42.92	1.05	54.0	11.08	AV	97.00	150	Horizontal	Pass
6	16098.713	54.55	1.73	74.0	19.45	Peak	180.00	200	Horizontal	Pass
6**	16098.713	45.95	1.73	54.0	8.05	AV	180.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1574.200	38.40	-17.14	74.0	35.60	Peak	360.00	300	Vertical	Pass
1**	1574.200	28.72	-17.14	54.0	25.28	AV	360.00	300	Vertical	Pass
2	4233.000	47.31	-5.15	74.0	26.69	Peak	315.00	300	Vertical	Pass
2**	4233.000	37.03	-5.15	54.0	16.97	AV	315.00	300	Vertical	Pass
3	5788.250	102.67	-2.33	--	--	Peak	168.00	200	Vertical	N/A
3**	5788.250	95.66	-2.33	--	--	AV	168.00	200	Vertical	N/A
4	7708.500	53.52	1.84	74.0	20.48	Peak	0.00	200	Vertical	Pass
4**	7708.500	44.73	1.84	54.0	9.27	AV	0.00	200	Vertical	Pass
5	12011.375	52.72	0.31	74.0	21.28	Peak	106.00	150	Vertical	Pass
5**	12011.375	42.60	0.31	54.0	11.40	AV	106.00	150	Vertical	Pass
6	15918.638	54.34	1.70	74.0	19.66	Peak	90.00	200	Vertical	Pass
6**	15918.638	45.12	1.70	54.0	8.88	AV	90.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1605.000	38.50	-16.61	74.0	35.50	Peak	10.00	300	Horizontal	Pass
1**	1605.000	28.97	-16.61	54.0	25.03	AV	10.00	300	Horizontal	Pass
2	4313.750	47.04	-5.13	74.0	26.96	Peak	166.00	200	Horizontal	Pass
2**	4313.750	38.28	-5.13	54.0	15.72	AV	166.00	200	Horizontal	Pass
3	5831.750	97.66	-2.28	--	--	Peak	337.00	100	Horizontal	N/A
3**	5831.750	90.36	-2.28	--	--	AV	337.00	100	Horizontal	N/A
4	7719.250	54.07	1.15	74.0	19.93	Peak	241.00	200	Horizontal	Pass
4**	7719.250	44.23	1.15	54.0	9.77	AV	241.00	200	Horizontal	Pass
5	11790.975	52.87	-0.15	74.0	21.13	Peak	293.00	200	Horizontal	Pass
5**	11790.975	43.28	-0.15	54.0	10.72	AV	293.00	200	Horizontal	Pass
6	15903.938	54.50	1.96	74.0	19.50	Peak	61.00	300	Horizontal	Pass
6**	15903.938	44.98	1.96	54.0	9.02	AV	61.00	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)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1593.100	38.17	-16.97	74.0	35.83	Peak	303.00	400	Vertical	Pass
1**	1593.100	28.97	-16.97	54.0	25.03	AV	303.00	400	Vertical	Pass
2	4275.250	47.29	-5.25	74.0	26.71	Peak	183.00	100	Vertical	Pass
2**	4275.250	37.40	-5.25	54.0	16.60	AV	183.00	100	Vertical	Pass
3	5820.500	101.41	-2.30	--	--	Peak	161.00	150	Vertical	N/A
3**	5820.500	93.99	-2.30	--	--	AV	161.00	150	Vertical	N/A
4	7698.750	53.21	0.94	74.0	20.79	Peak	0.00	300	Vertical	Pass
4**	7698.750	44.59	0.94	54.0	9.41	AV	0.00	300	Vertical	Pass
5	12506.800	52.58	1.40	74.0	21.42	Peak	268.00	150	Vertical	Pass
5**	12506.800	43.54	1.40	54.0	10.46	AV	268.00	150	Vertical	Pass
6	16152.787	55.13	2.13	74.0	18.87	Peak	183.00	100	Vertical	Pass
6**	16152.787	45.50	2.13	54.0	8.50	AV	183.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1527.300	38.48	-17.10	74.0	35.52	Peak	45.00	300	Horizontal	Pass
1**	1527.300	29.36	-17.10	54.0	24.64	AV	45.00	300	Horizontal	Pass
2	4335.750	47.26	-4.73	74.0	26.74	Peak	72.00	200	Horizontal	Pass
2**	4335.750	38.26	-4.73	54.0	15.74	AV	72.00	200	Horizontal	Pass
3	5738.000	99.55	-2.01	--	--	Peak	339.00	100	Horizontal	N/A
3**	5738.000	91.59	-2.01	--	--	AV	339.00	100	Horizontal	N/A
4	7709.250	53.30	1.90	74.0	20.70	Peak	360.00	100	Horizontal	Pass
4**	7709.250	45.19	1.90	54.0	8.81	AV	360.00	100	Horizontal	Pass
5	12534.350	53.02	1.24	74.0	20.98	Peak	92.00	150	Horizontal	Pass
5**	12534.350	43.89	1.24	54.0	10.11	AV	92.00	150	Horizontal	Pass
6	15917.325	54.93	1.73	74.0	19.07	Peak	292.00	400	Horizontal	Pass
6**	15917.325	44.65	1.73	54.0	9.35	AV	292.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1552.000	38.19	-17.20	74.0	35.81	Peak	245.00	200	Vertical	Pass
1**	1552.000	28.77	-17.20	54.0	25.23	AV	245.00	200	Vertical	Pass
2	4249.250	46.70	-4.39	74.0	27.30	Peak	290.00	300	Vertical	Pass
2**	4249.250	37.75	-4.39	54.0	16.25	AV	290.00	300	Vertical	Pass
3	5737.750	103.14	-2.17	--	--	Peak	167.00	150	Vertical	N/A
3**	5737.750	95.62	-2.17	--	--	AV	167.00	150	Vertical	N/A
4	7418.500	53.40	1.01	74.0	20.60	Peak	141.00	100	Vertical	Pass
4**	7418.500	44.49	1.01	54.0	9.51	AV	141.00	100	Vertical	Pass
5	12339.125	52.84	0.78	74.0	21.16	Peak	292.00	100	Vertical	Pass
5**	12339.125	42.38	0.78	54.0	11.62	AV	292.00	100	Vertical	Pass
6	16100.813	54.99	1.76	74.0	19.01	Peak	43.00	300	Vertical	Pass
6**	16100.813	45.82	1.76	54.0	8.18	AV	43.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1499.700	38.76	-16.98	74.0	35.24	Peak	359.00	400	Horizontal	Pass
1**	1499.700	29.29	-16.98	54.0	24.71	AV	359.00	400	Horizontal	Pass
2	4247.250	47.01	-4.49	74.0	26.99	Peak	339.00	100	Horizontal	Pass
2**	4247.250	37.72	-4.49	54.0	16.28	AV	339.00	100	Horizontal	Pass
3	5786.000	98.01	-2.41	--	--	Peak	339.00	100	Horizontal	N/A
3**	5786.000	90.13	-2.41	--	--	AV	339.00	100	Horizontal	N/A
4	7705.000	53.34	2.03	74.0	20.66	Peak	36.00	100	Horizontal	Pass
4**	7705.000	44.50	2.03	54.0	9.50	AV	36.00	100	Horizontal	Pass
5	11754.875	52.53	-0.19	74.0	21.47	Peak	231.00	200	Horizontal	Pass
5**	11754.875	43.11	-0.19	54.0	10.89	AV	231.00	200	Horizontal	Pass
6	16104.750	55.08	1.79	74.0	18.92	Peak	126.00	200	Horizontal	Pass
6**	16104.750	45.21	1.79	54.0	8.79	AV	126.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1464.700	38.68	-17.07	74.0	35.32	Peak	16.00	400	Vertical	Pass
1**	1464.700	29.65	-17.07	54.0	24.35	AV	16.00	400	Vertical	Pass
2	4294.000	47.72	-4.73	74.0	26.28	Peak	112.00	400	Vertical	Pass
2**	4294.000	38.81	-4.73	54.0	15.19	AV	112.00	400	Vertical	Pass
3	5791.750	102.62	-2.40	--	--	Peak	161.00	100	Vertical	N/A
3**	5791.750	95.45	-2.40	--	--	AV	161.00	100	Vertical	N/A
4	7707.750	53.47	1.53	74.0	20.53	Peak	112.00	100	Vertical	Pass
4**	7707.750	44.88	1.53	54.0	9.12	AV	112.00	100	Vertical	Pass
5	11771.737	52.90	-0.17	74.0	21.10	Peak	351.00	150	Vertical	Pass
5**	11771.737	44.34	-0.17	54.0	9.66	AV	351.00	150	Vertical	Pass
6	16107.900	54.17	1.81	74.0	19.83	Peak	327.00	100	Vertical	Pass
6**	16107.900	46.24	1.81	54.0	7.76	AV	327.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1493.500	38.52	-17.16	74.0	35.48	Peak	349.00	100	Horizontal	Pass
1**	1493.500	29.23	-17.16	54.0	24.77	AV	349.00	100	Horizontal	Pass
2	4322.000	47.92	-4.94	74.0	26.08	Peak	280.00	300	Horizontal	Pass
2**	4322.000	37.51	-4.94	54.0	16.49	AV	280.00	300	Horizontal	Pass
3	5832.250	97.21	-2.32	--	--	Peak	339.00	200	Horizontal	N/A
3**	5832.250	89.94	-2.32	--	--	AV	339.00	200	Horizontal	N/A
4	7711.000	53.53	1.81	74.0	20.47	Peak	51.00	300	Horizontal	Pass
4**	7711.000	43.91	1.81	54.0	10.09	AV	51.00	300	Horizontal	Pass
5	12227.974	53.01	0.80	74.0	20.99	Peak	187.00	150	Horizontal	Pass
5**	12227.974	44.18	0.80	54.0	9.82	AV	187.00	150	Horizontal	Pass
6	16063.537	54.40	1.27	74.0	19.60	Peak	326.00	300	Horizontal	Pass
6**	16063.537	45.44	1.27	54.0	8.56	AV	326.00	300	Horizontal	Pass

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

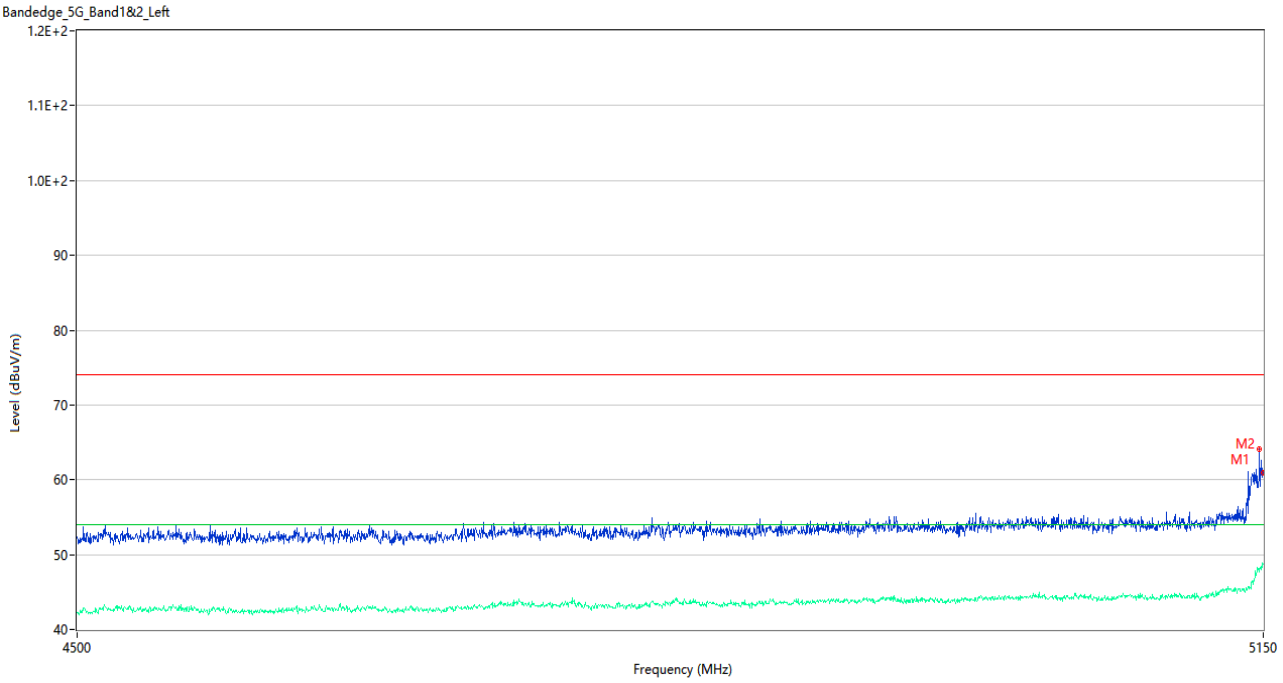
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1605.000	38.94	-16.61	74.0	35.06	Peak	0.00	300	Vertical	Pass
1**	1605.000	29.22	-16.61	54.0	24.78	AV	0.00	300	Vertical	Pass
2	4254.000	48.02	-4.29	74.0	25.98	Peak	283.00	100	Vertical	Pass
2**	4254.000	38.55	-4.29	54.0	15.45	AV	283.00	100	Vertical	Pass
3	5819.250	101.55	-2.34	--	--	Peak	166.00	200	Vertical	N/A
3**	5819.250	93.92	-2.34	--	--	AV	166.00	200	Vertical	N/A
4	7434.750	53.58	0.61	74.0	20.42	Peak	62.00	200	Vertical	Pass
4**	7434.750	42.93	0.61	54.0	11.07	AV	62.00	200	Vertical	Pass
5	12268.588	52.70	0.90	74.0	21.30	Peak	262.00	200	Vertical	Pass
5**	12268.588	43.88	0.90	54.0	10.12	AV	262.00	200	Vertical	Pass
6	16153.312	54.35	2.13	74.0	19.65	Peak	17.00	100	Vertical	Pass
6**	16153.312	45.67	2.13	54.0	8.33	AV	17.00	100	Vertical	Pass

A.6.2 Band Edge (Restricted-band)

Test Band	Mode	Channel	Verdict
U-NII-1	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
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
U-NII-3	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass

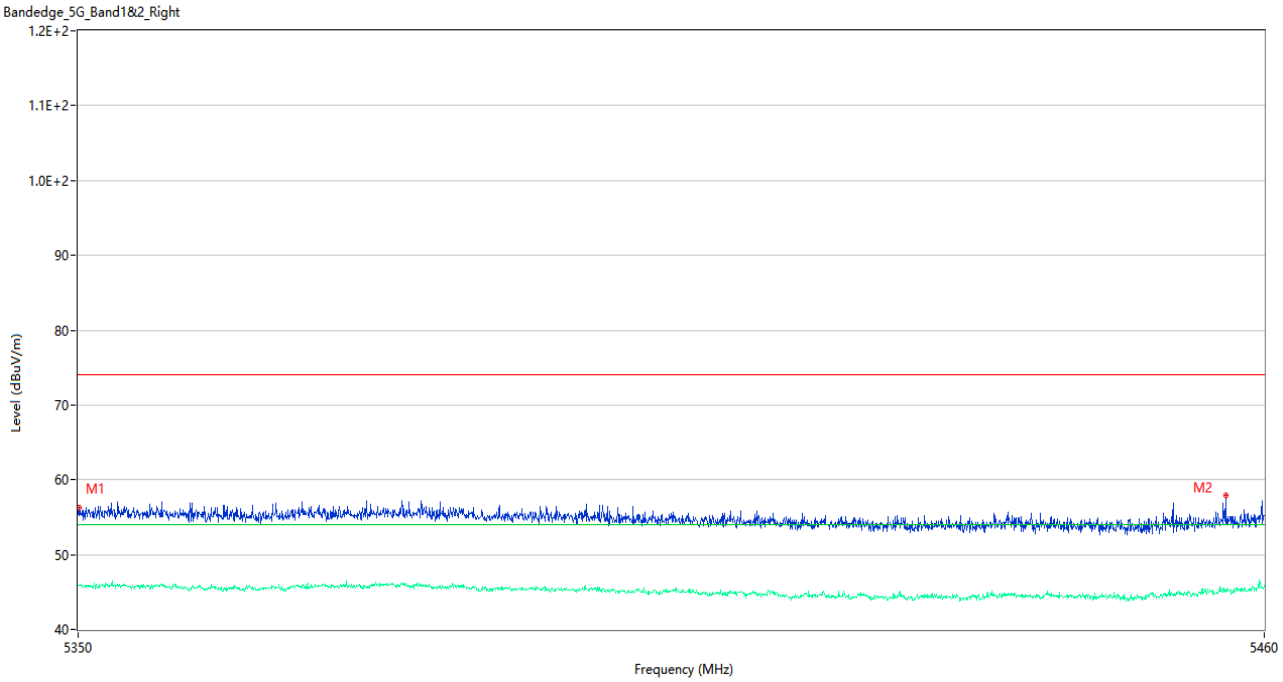
Test Data and Plots

U-NII-1 11a Low Channel



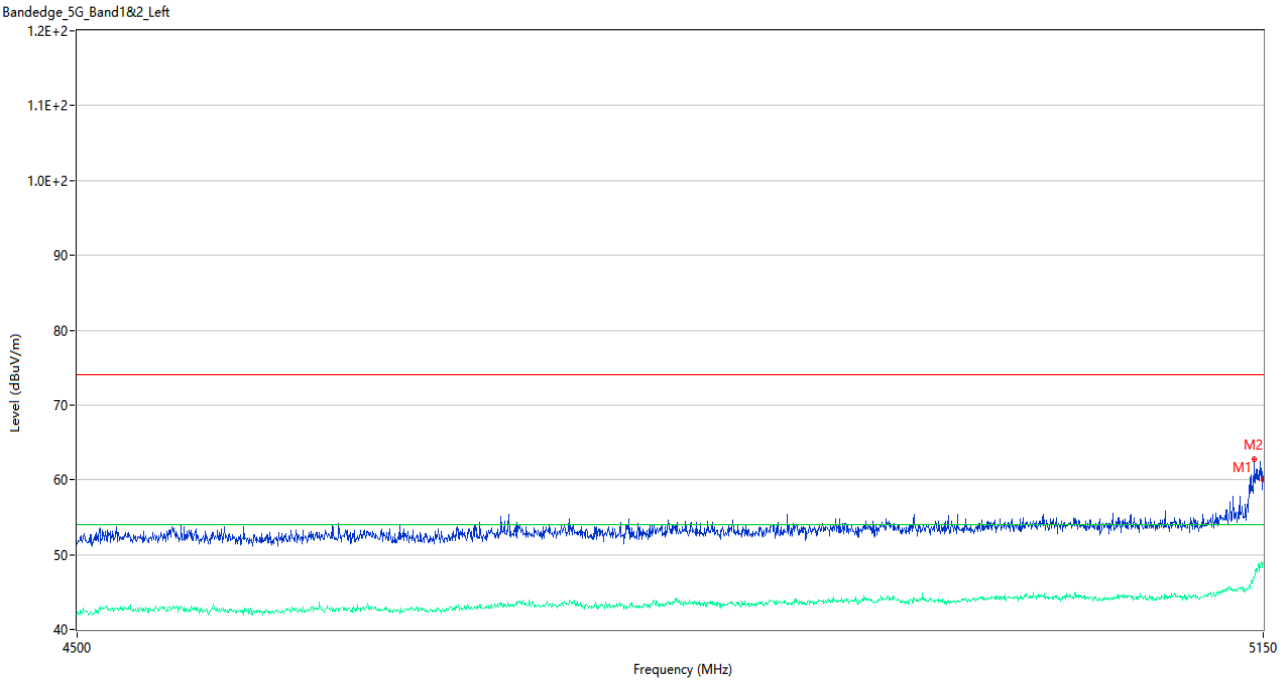
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5147.725	64.14	2.97	74.0	9.86	Peak	179.00	100	Vertical	Pass
1**	5147.725	48.17	2.97	54.0	5.83	AV	179.00	100	Vertical	Pass
2	5150.000	61.01	2.86	74.0	12.99	Peak	173.00	150	Vertical	Pass
2**	5150.000	48.74	2.86	54.0	5.26	AV	173.00	150	Vertical	Pass

U-NII-1 11a High Channel



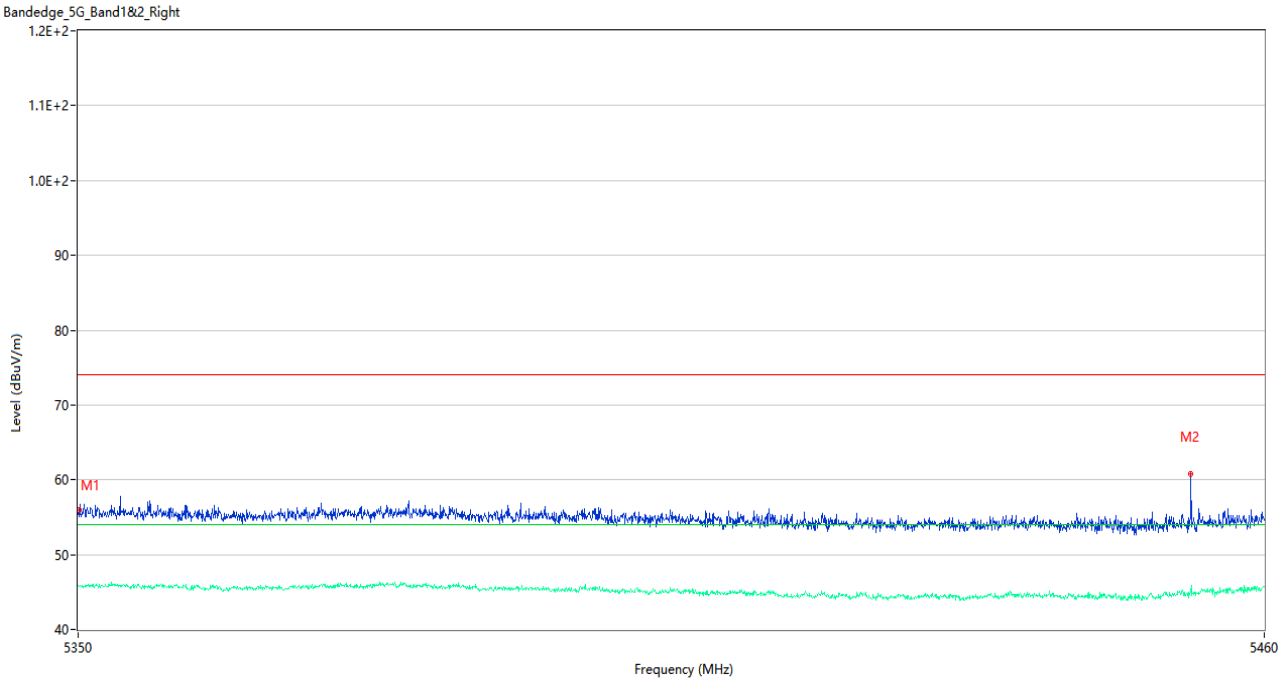
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	56.26	3.30	74.0	17.74	Peak	254.00	100	Vertical	Pass
1**	5350.055	45.86	3.30	54.0	8.14	AV	254.00	100	Vertical	Pass
2	5456.370	57.94	3.60	74.0	16.06	Peak	173.00	150	Vertical	Pass
2**	5456.370	45.00	3.60	54.0	9.00	AV	173.00	150	Vertical	Pass

U-NII-1 11n20 Low Channel



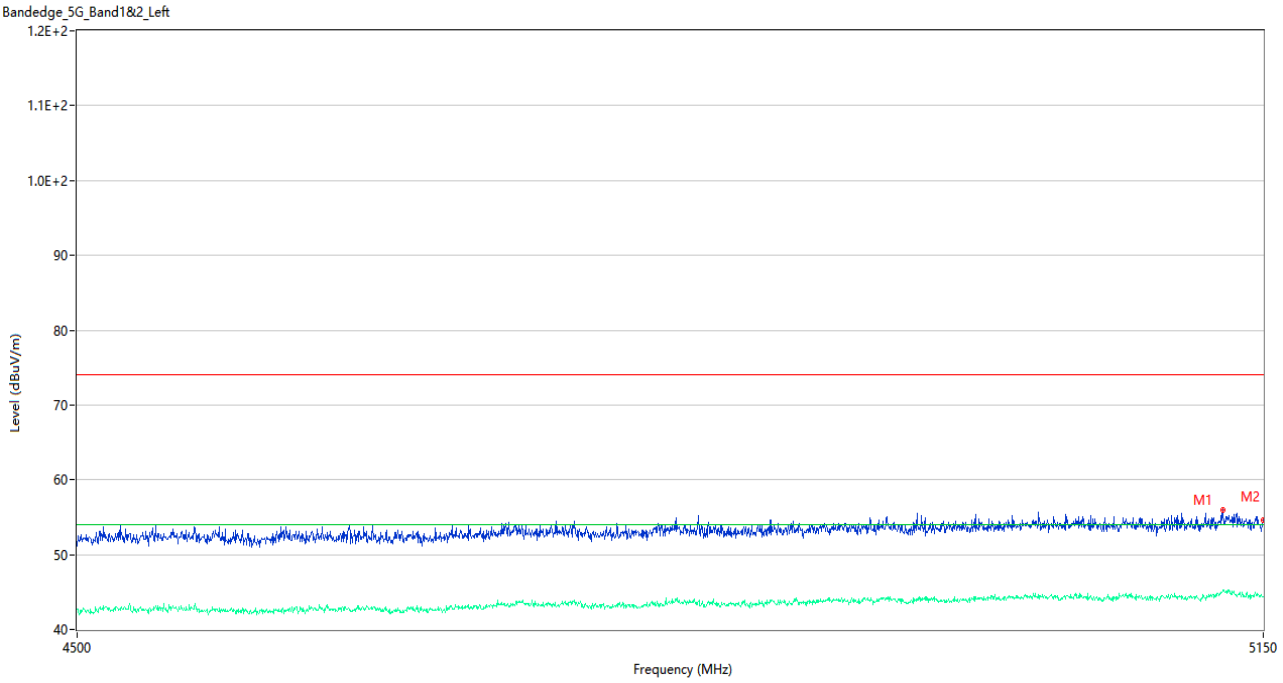
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5144.475	62.78	2.86	74.0	11.22	Peak	181.00	100	Vertical	Pass
1**	5144.475	47.11	2.86	54.0	6.89	AV	181.00	100	Vertical	Pass
2	5150.000	60.01	2.86	74.0	13.99	Peak	245.00	150	Vertical	Pass
2**	5150.000	48.88	2.86	54.0	5.12	AV	245.00	150	Vertical	Pass

U-NII-1 11n20 High Channel



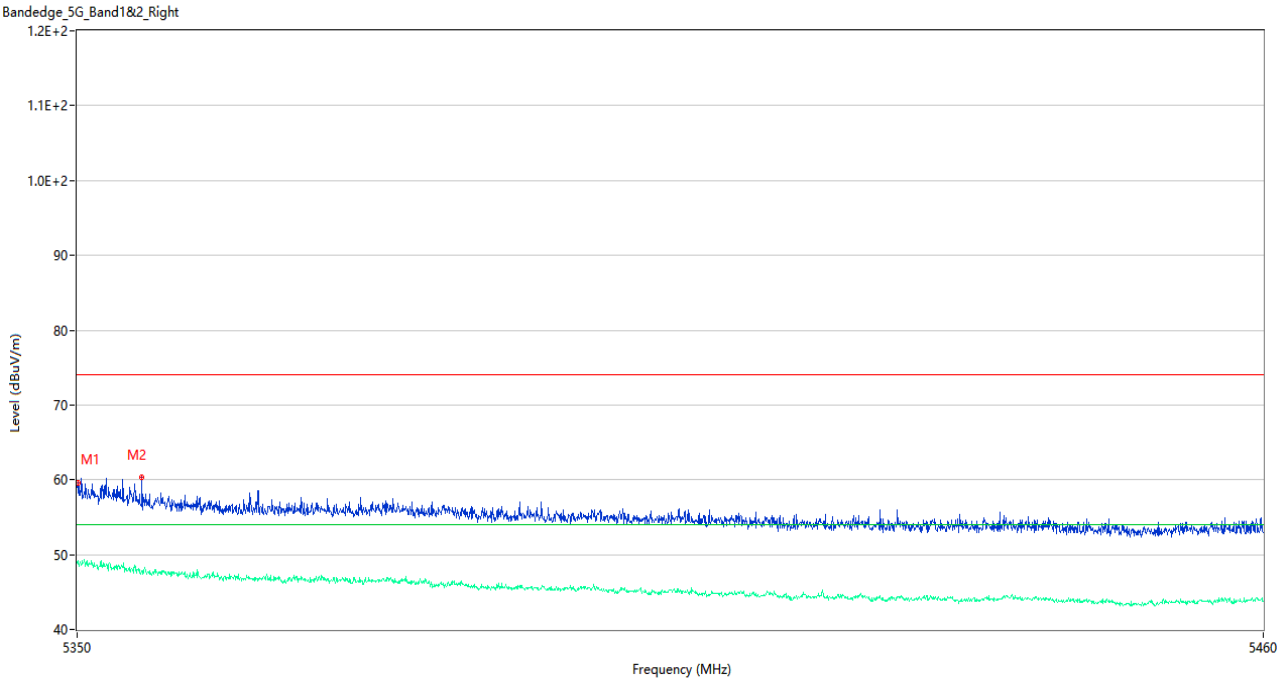
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	56.01	3.30	74.0	17.99	Peak	9.00	100	Vertical	Pass
1**	5350.055	45.79	3.30	54.0	8.21	AV	9.00	100	Vertical	Pass
2	5453.125	60.78	3.36	74.0	13.22	Peak	180.00	200	Vertical	Pass
2**	5453.125	44.92	3.36	54.0	9.08	AV	180.00	200	Vertical	Pass

U-NII-2A 11a Low Channel



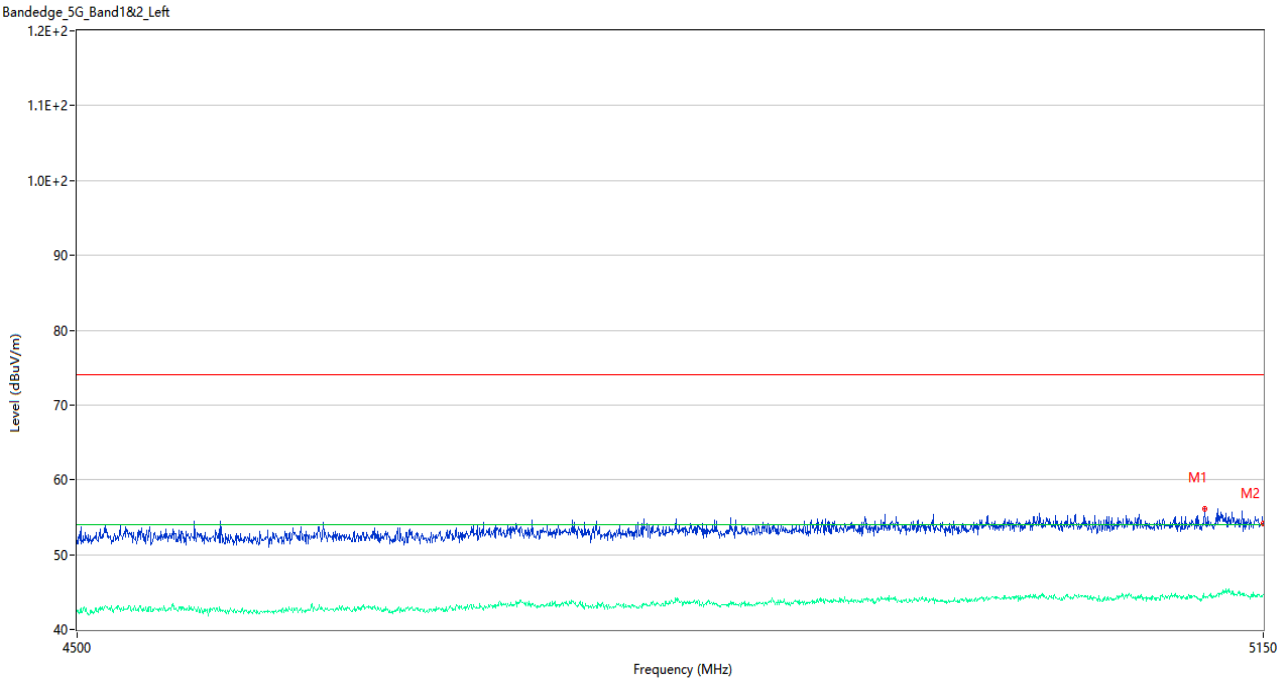
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5126.275	56.04	3.33	74.0	17.96	Peak	217.00	150	Vertical	Pass
1**	5126.275	45.20	3.33	54.0	8.80	AV	217.00	150	Vertical	Pass
2	5150.000	54.57	2.86	74.0	19.43	Peak	147.00	200	Vertical	Pass
2**	5150.000	44.44	2.86	54.0	9.56	AV	147.00	200	Vertical	Pass

U-NII-2A 11a High Channel



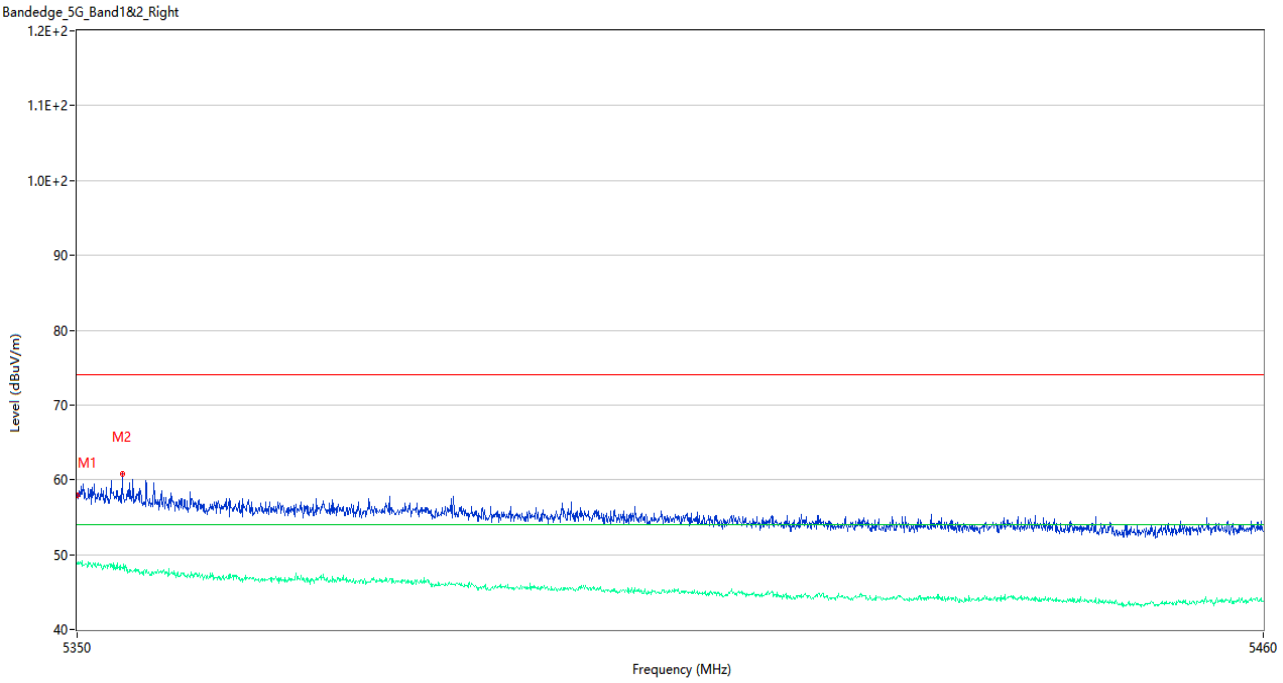
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	59.64	3.30	74.0	14.36	Peak	180.00	150	Vertical	Pass
1**	5350.055	48.93	3.30	54.0	5.07	AV	180.00	150	Vertical	Pass
2	5355.940	60.27	2.80	74.0	13.73	Peak	246.00	150	Vertical	Pass
2**	5355.940	47.72	2.80	54.0	6.28	AV	246.00	150	Vertical	Pass

U-NII-2A 11n20 Low Channel



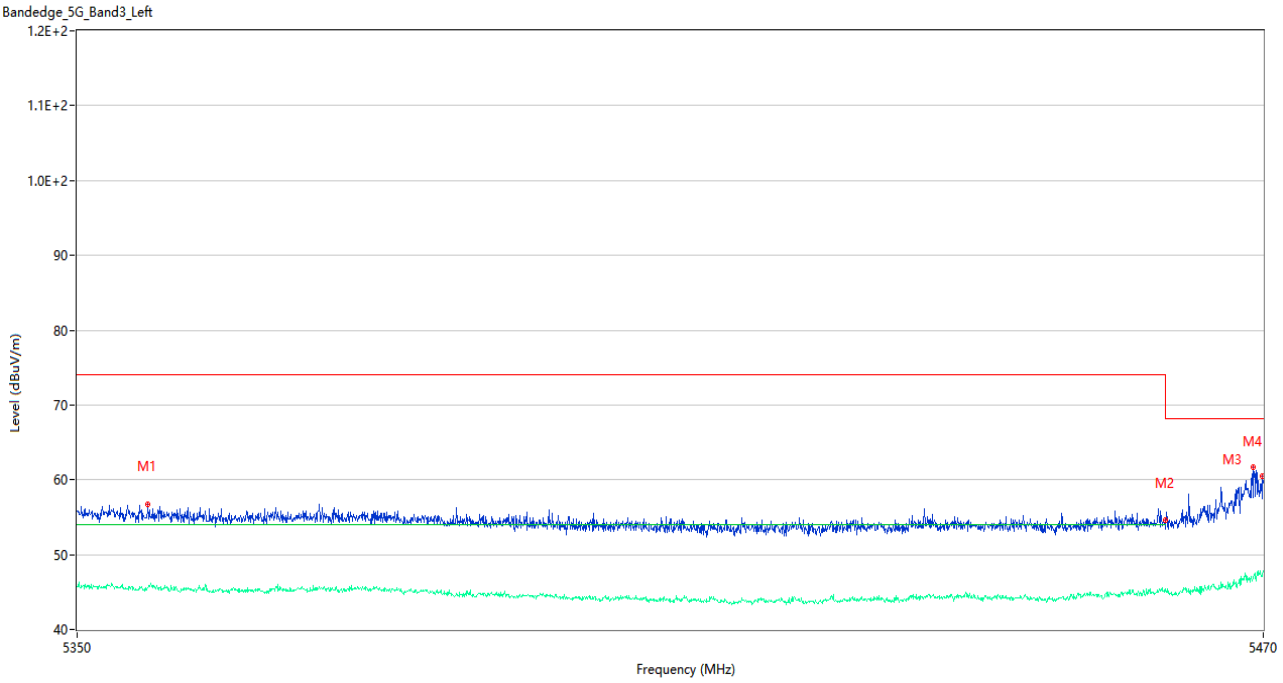
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5115.875	56.08	2.60	74.0	17.92	Peak	360.00	200	Vertical	Pass
1**	5115.875	44.30	2.60	54.0	9.70	AV	360.00	200	Vertical	Pass
2	5150.000	54.11	2.86	74.0	19.89	Peak	24.00	200	Vertical	Pass
2**	5150.000	44.60	2.86	54.0	9.40	AV	24.00	200	Vertical	Pass

U-NII-2A 11n20 High Channel



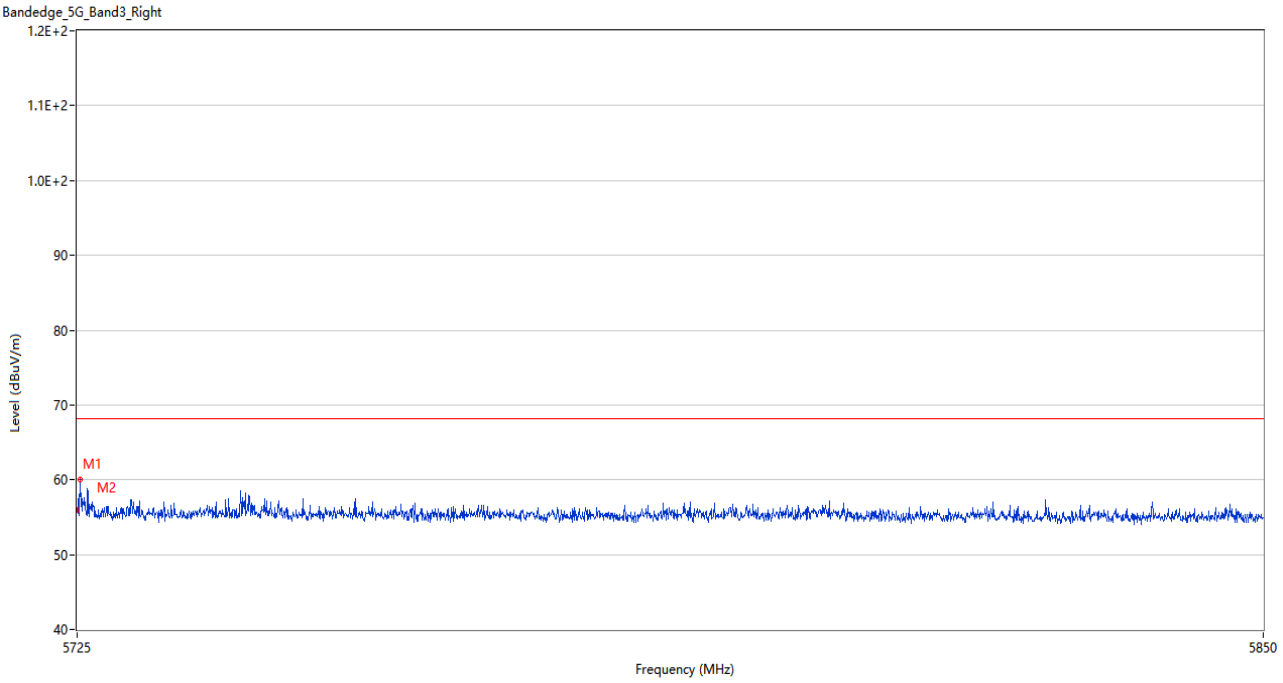
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	57.93	3.32	74.0	16.07	Peak	172.00	200	Vertical	Pass
1**	5350.000	48.73	3.32	54.0	5.27	AV	172.00	200	Vertical	Pass
2	5354.125	60.76	3.11	74.0	13.24	Peak	172.00	200	Vertical	Pass
2**	5354.125	48.28	3.11	54.0	5.72	AV	172.00	200	Vertical	Pass

U-NII-2C 11a Low Channel



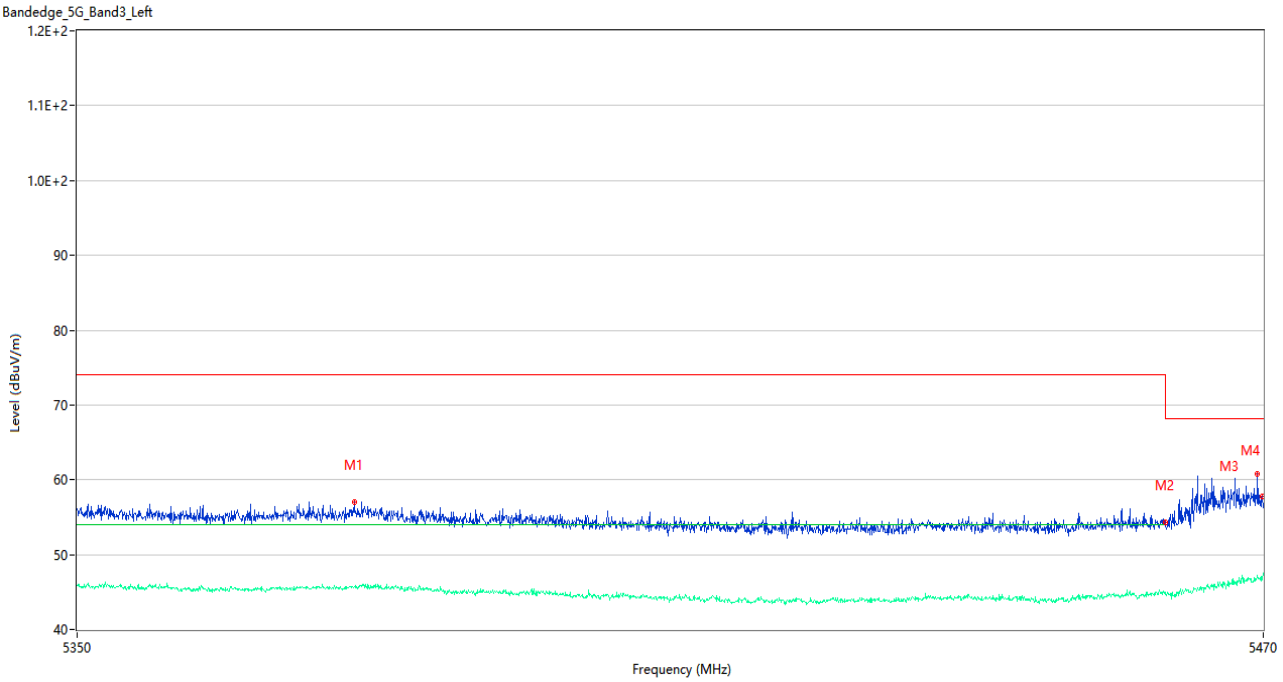
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5357.080	56.77	2.96	74.0	17.23	Peak	297.00	100	Vertical	Pass
1**	5357.080	45.54	2.96	54.0	8.46	AV	297.00	100	Vertical	Pass
2	5459.980	54.54	3.49	74.0	19.46	Peak	46.00	150	Vertical	Pass
2**	5459.980	45.10	3.49	54.0	8.90	AV	46.00	150	Vertical	Pass
3	5468.980	61.74	3.12	68.2	6.46	Peak	190.00	100	Vertical	Pass
3**	5468.980	47.02	3.12	--	--	AV	190.00	100	Vertical	N/A
4	5469.940	60.50	3.29	68.2	7.70	Peak	309.00	200	Vertical	Pass
4**	5469.940	47.39	3.29	--	--	AV	309.00	200	Vertical	N/A

U-NII-2C 11a High Channel



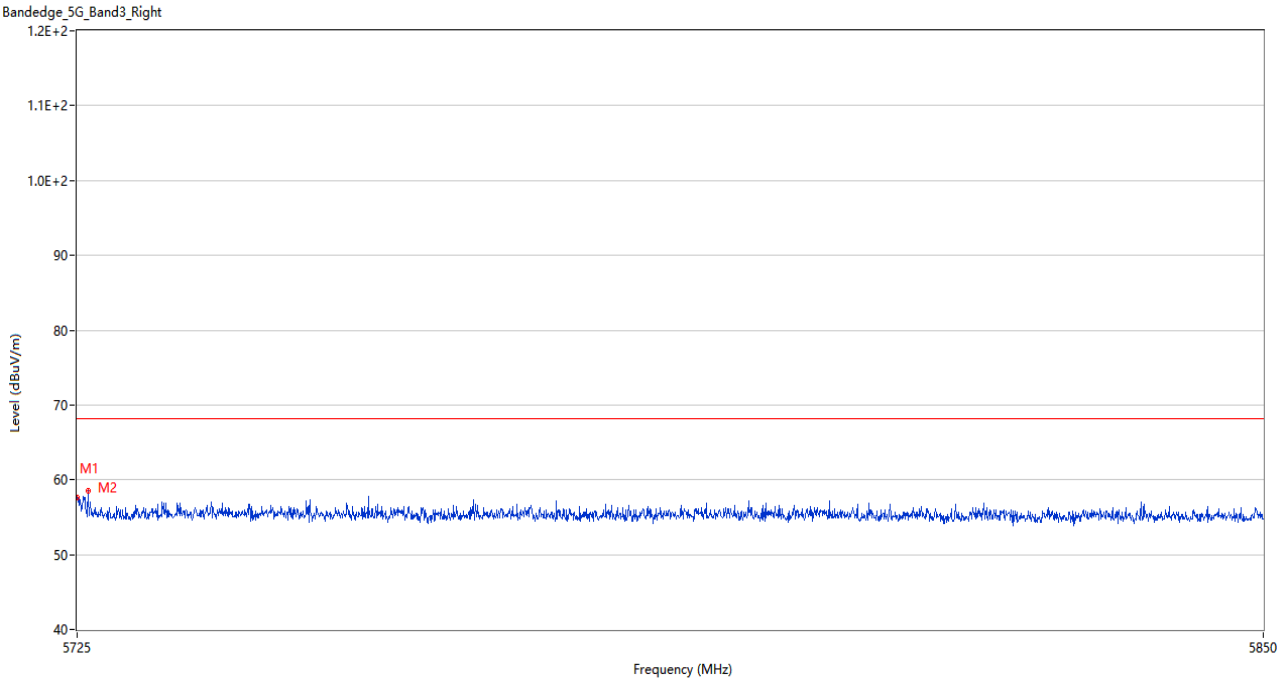
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	56.00	3.51	68.2	12.20	Peak	191.00	150	Vertical	Pass
2	5725.313	59.98	3.27	68.2	8.22	Peak	194.00	200	Vertical	Pass

U-NII-2C 11n20 Low Channel



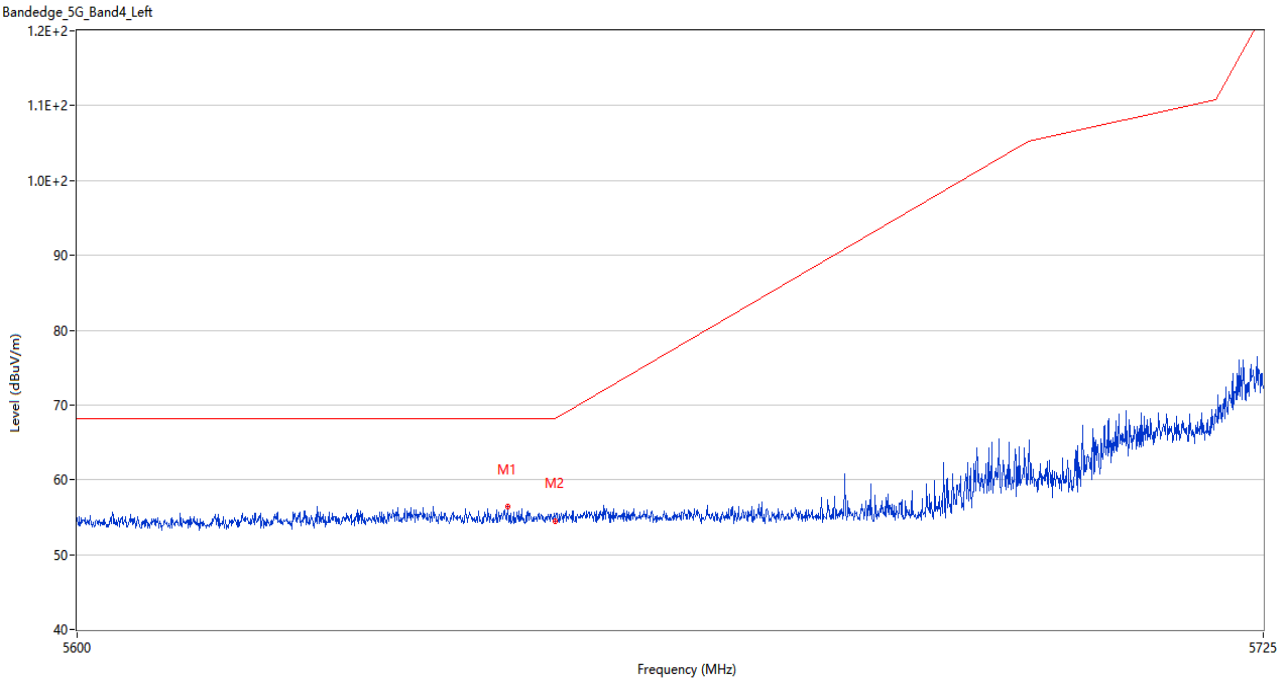
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5377.780	57.03	3.12	74.0	16.97	Peak	256.00	200	Vertical	Pass
1**	5377.780	45.73	3.12	54.0	8.27	AV	256.00	200	Vertical	Pass
2	5459.980	54.29	3.49	74.0	19.71	Peak	129.00	200	Vertical	Pass
2**	5459.980	44.91	3.49	54.0	9.09	AV	129.00	200	Vertical	Pass
3	5469.400	60.82	3.29	68.2	7.38	Peak	186.00	150	Vertical	Pass
3**	5469.400	47.27	3.29	--	--	AV	186.00	150	Vertical	N/A
4	5469.940	57.85	3.29	68.2	10.35	Peak	183.00	150	Vertical	Pass
4**	5469.940	46.78	3.29	--	--	AV	183.00	150	Vertical	N/A

U-NII-2C 11n20 High Channel



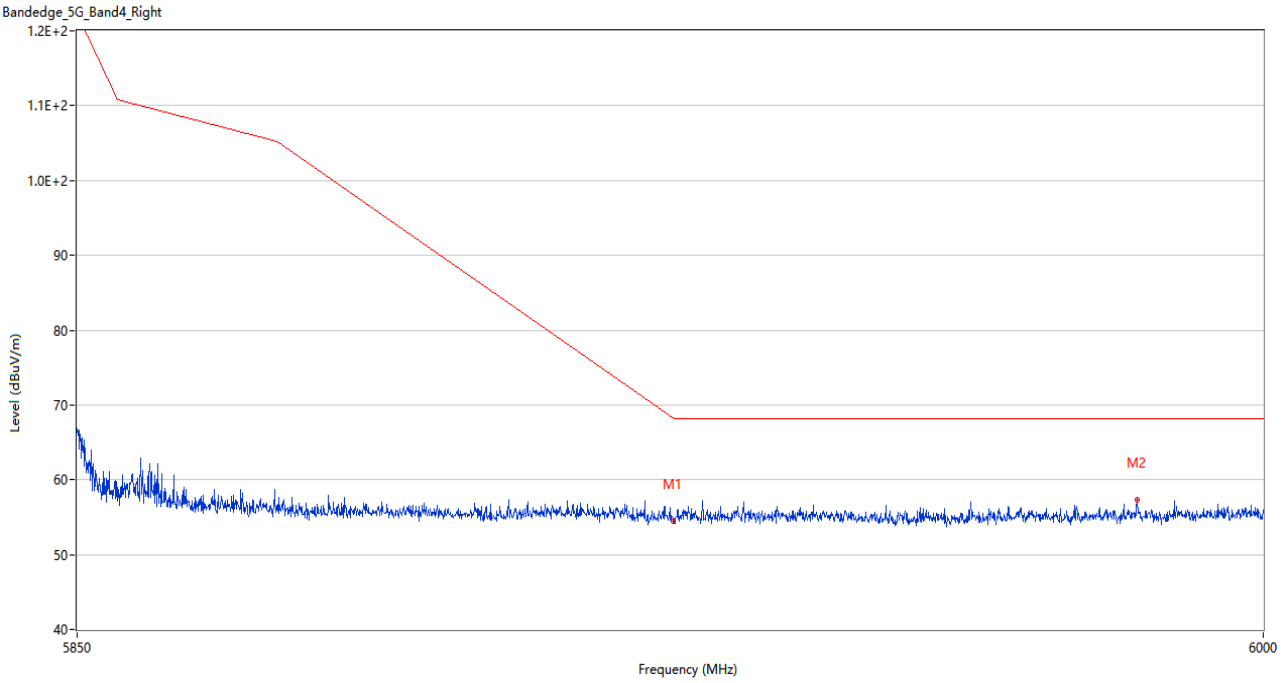
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	57.67	3.51	68.2	10.53	Peak	156.00	150	Vertical	Pass
2	5726.125	58.51	3.56	68.2	9.69	Peak	192.00	100	Vertical	Pass

U-NII-3 11a Low Channel



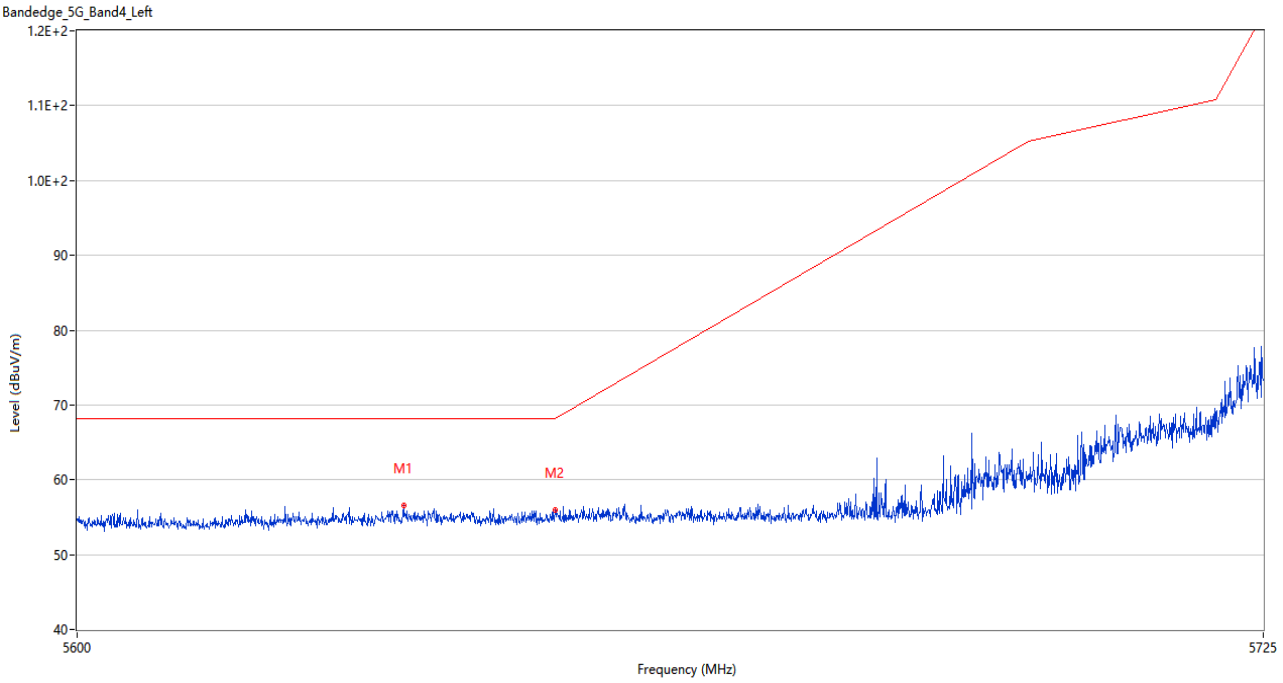
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5645.063	56.43	3.51	68.2	11.77	Peak	152.00	150	Vertical	Pass
2	5650.000	54.51	3.72	68.2	13.69	Peak	360.00	150	Vertical	Pass

U-NII-3 11a High Channel



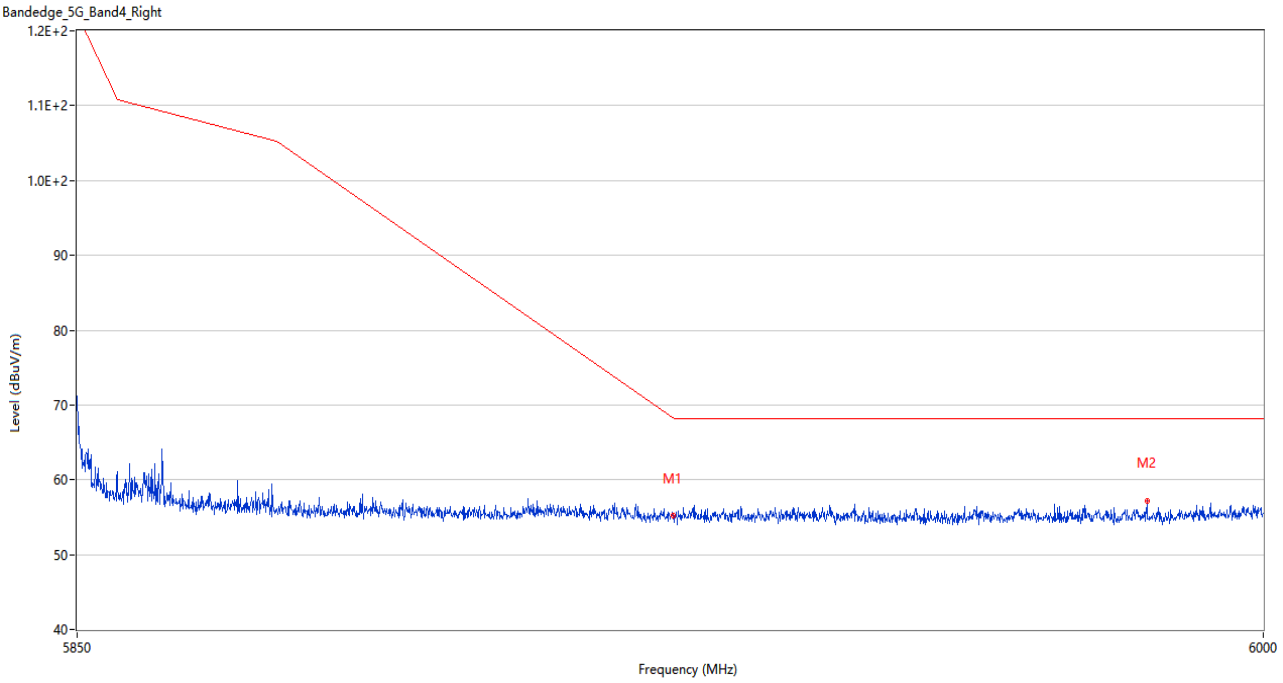
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	54.42	3.42	68.3	13.88	Peak	303.00	150	Vertical	Pass
2	5983.875	57.26	4.36	68.2	10.94	Peak	296.00	200	Vertical	Pass

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	5634.125	56.62	3.50	68.2	11.58	Peak	260.00	150	Vertical	Pass
2	5650.000	56.01	3.72	68.2	12.19	Peak	323.00	100	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	55.16	3.42	68.3	13.14	Peak	47.00	100	Vertical	Pass
2	5985.150	57.23	4.41	68.2	10.97	Peak	63.00	200	Vertical	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2450087-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2450087-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2450087-AI.PDF”.

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