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:	OPWWE231
Brand Name:	ONEPLUS
FCC ID:	2ABZ2-OPWWE231
ISED Number:	12739A-OPWWE231
Test Standard:	47 CFR Part 15 Subpart E RSS-Gen Issue 5 RSS-247 Issue 3 (refer to section 3.1)
Sample Arrival Date:	Sep. 05, 2023
Test Date:	Sep. 16, 2023 - Oct. 25, 2023
Date of Issue:	Nov. 23, 2023

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

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

Revision History

Version	Issue Date	Revisions
Rev. 01	Nov. 23, 2023	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.

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	OPWWE231
Series Model Name	N/A
Description of Model name differentiation	N/A
Serial Number	H621133000004D75000451
Hardware Version	XJ909
Software Version	OPWWE231_11_A.02
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-1/3 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
Modulation technology	OFDM
Modulation Type	64QAM, 16QAM, BPSK, QPSK
Product Type	Indoor for IC standard Portable for FCC standard
Transfer Rate (Mbps) (Single RF path)	802.11a: 54/ 48/ 36/ 24/ 18/ 12/ 9/ 6 Mbps 802.11n: up to 150 Mbps
Channel Bandwidth	802.11a: 20 MHz 802.11n: 20 MHz
Maximum Output Power	U-NII-1: 48.08 mW U-NII-2A: 48.87 mW U-NII-2C: 44.87 mW U-NII-3: 48.42 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	49% 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	ROHDE&SCHWARZ	FSV-40	101544	2022.12.28	2023.12.27
Spectrum Analyzer	KEYSIGHT	N9020A	MY46471071	2023.07.25	2024.07.24
Power Sensor	KEYSIGHT	U2063XA	MY58000251	2023.07.12	2024.07.11
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-40	101544	2022.12.28	2023.12.27
Spectrum Analyzer	KEYSIGHT	N9020A	MY52510065	2023.09.05	2024.09.04
Signaling Unit	ROHDE&SCHWARZ	CMW500	171150	2023.06.19	2024.06.18
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	01631	2022.02.03	2025.02.02
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2021.07.02	2024.07.01
Anechoic Chamber	RAINFORD	9m*6m*6m	144	2022.02.19	2024.09.03
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2023.09.05	2024.09.04
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2021.04.16	2024.04.15
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60 *7.35m	130	2021.08.15	2024.08.14
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9163	9163-624	2021.08.20	2024.08.19
EMI Receiver	KEYSIGHT	N9038A	MY53220118	2023.09.05	2024.09.04
Anechoic Chamber	RAINFORD	9m*6m*6m	101	2023.03.26	2026.03.03
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2023.09.05	2024.09.04
LISN	SCHWARZBECK	NSLK 8127	8127-687	2023.05.16	2024.05.15
Shielded Enclosure	YiHeng Electronic Co., Ltd	3.5m*3.1m* 2.8m	112	2022.02.19	2025.02.18

4.3 Test Software List

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

4.4 Measurement Uncertainty

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

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

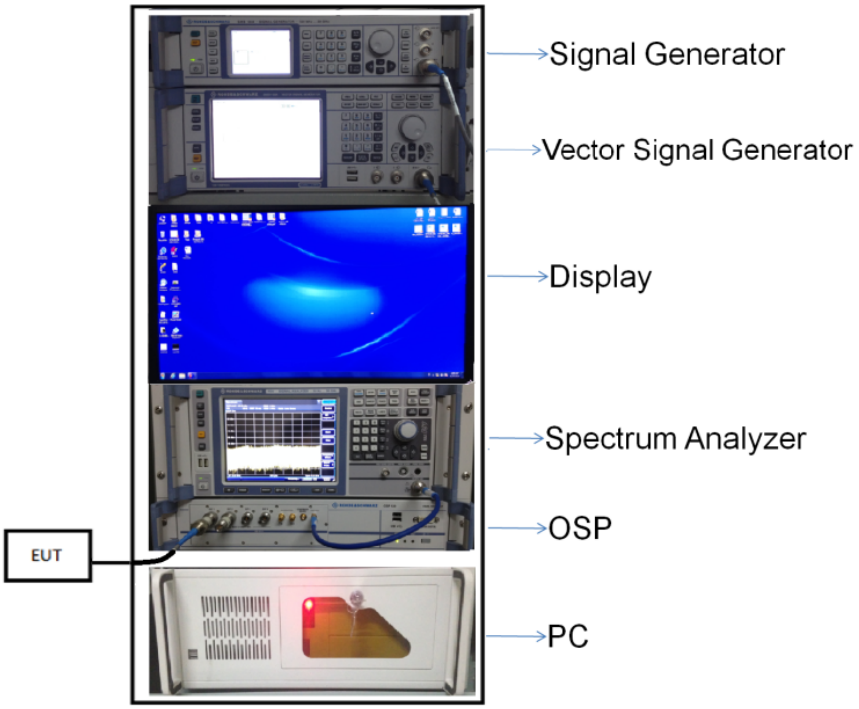
Parameters	Uncertainty
Occupied Channel Bandwidth	2.8%
RF output power, conducted	1.28 dB
Power Spectral Density, conducted	1.30 dB
Unwanted Emissions, conducted	1.84 dB
All emissions, radiated	5.36 dB
Temperature	0.8°C
Humidity	4%

4.5 Description of Test Setup

4.5.1 For Antenna Port Test

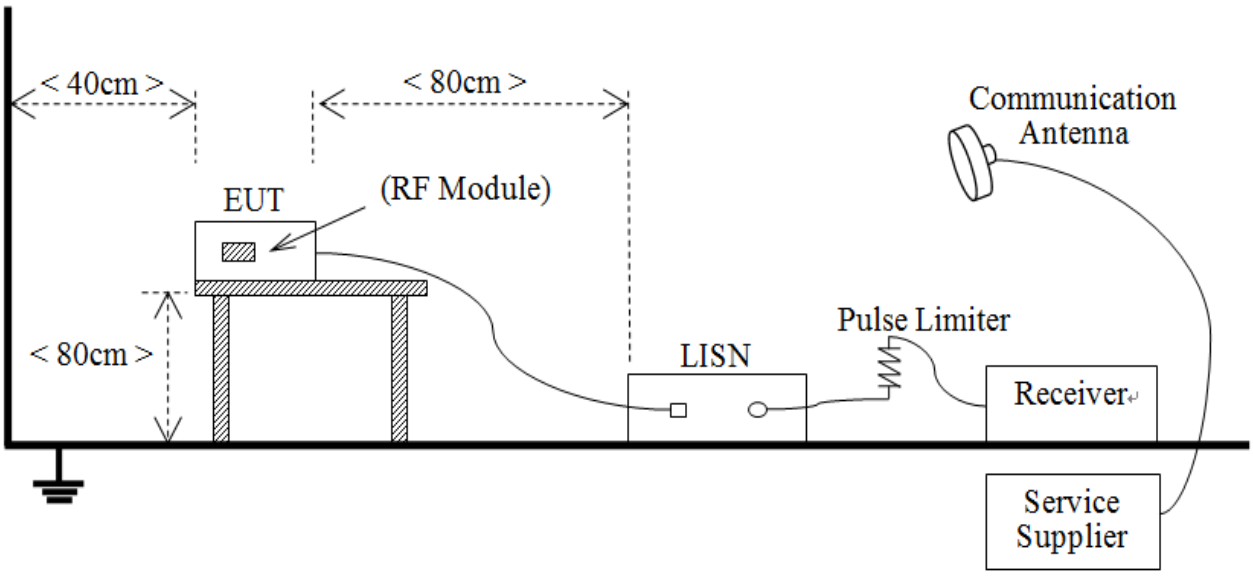
Conducted value (dBm) = Measurement value (dBm) + cable loss (dB)

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



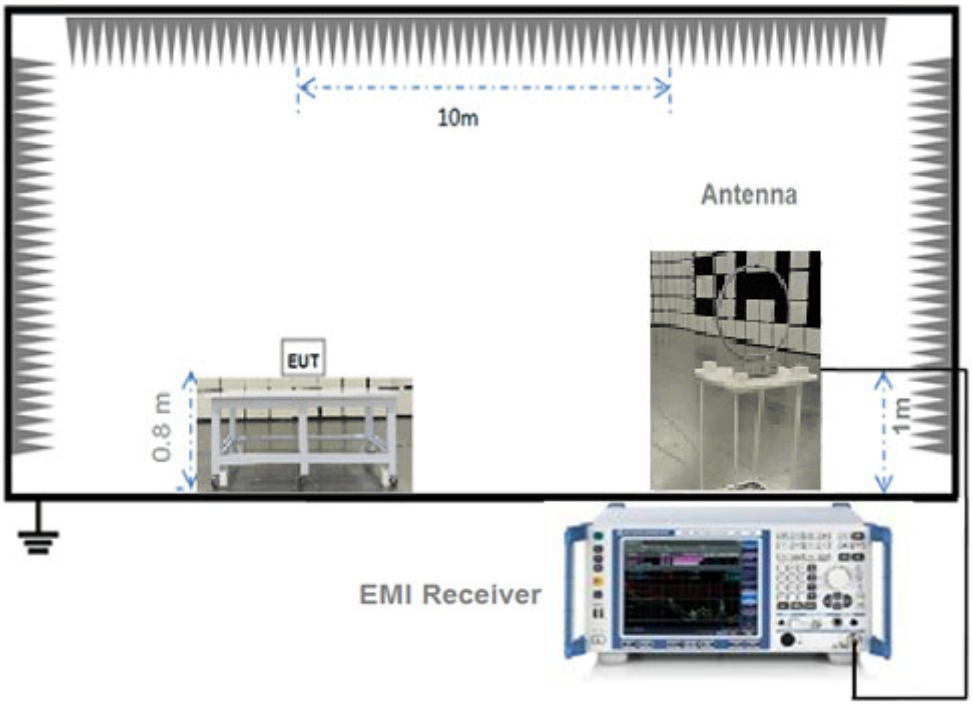
(Diagram 1)

4.5.2For AC Power Supply Port Test



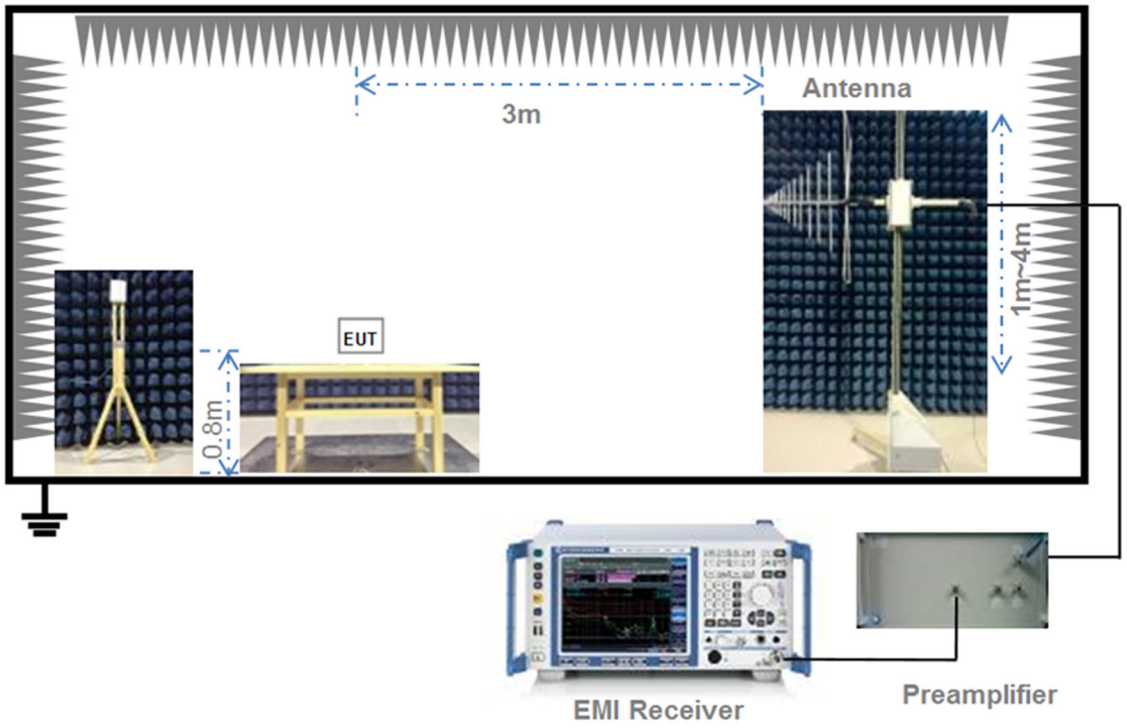
(Diagram 2)

4.5.3For Radiated Test (Below 30 MHz)



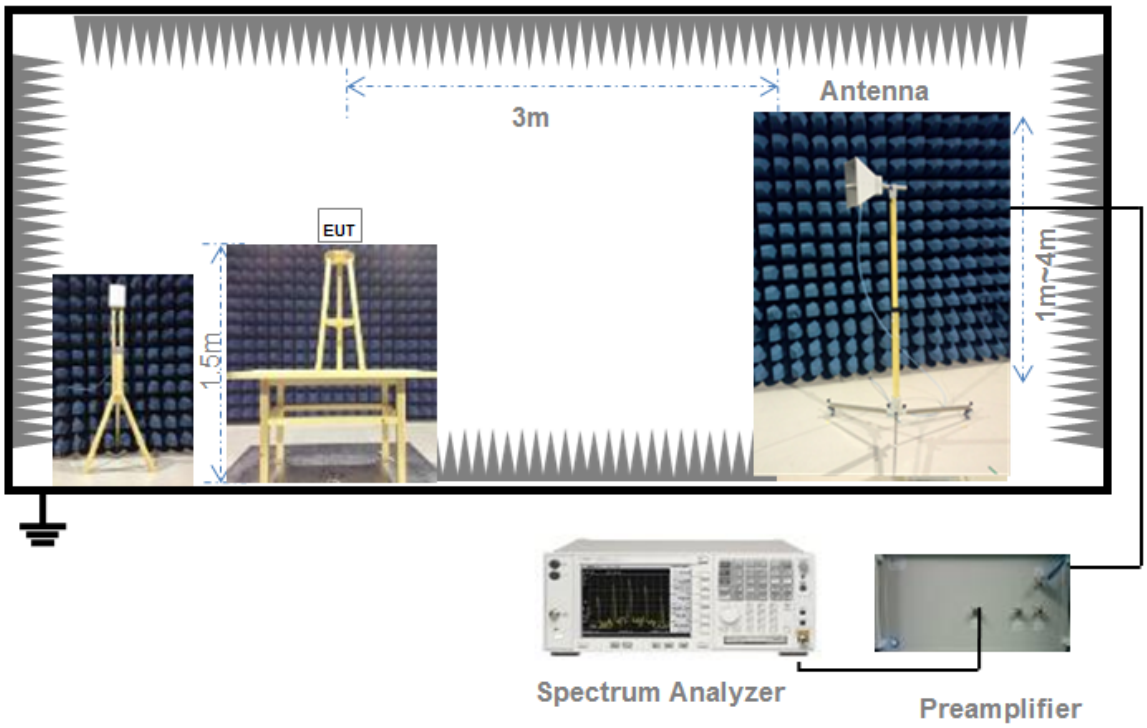
(Diagram 3)

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)

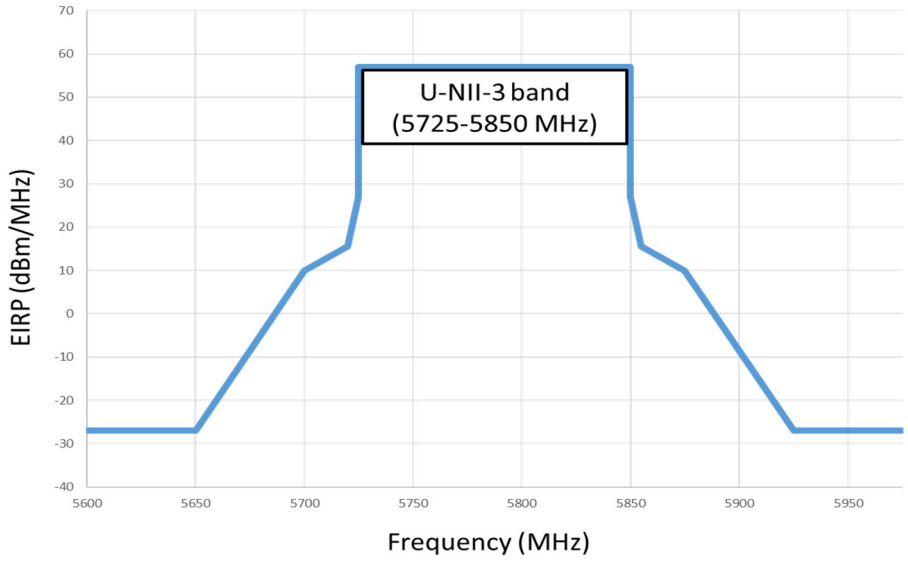
5.5.1 Limit

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.
Note [3]: All the configurations were tested, but only the worst data was shown in this report.

Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle
11a	1.428	1.533	93.15%
11n (HT20)	1.335	1.443	92.52%

Test Data

Conducted Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	15.28	33.73	250	Pass
11a	CH44	16.59	45.60	250	Pass
11a	CH48	16.82	48.08	250	Pass
11n (HT20)	CH36	15.08	32.21	250	Pass
11n (HT20)	CH44	16.52	44.87	250	Pass
11n (HT20)	CH48	16.66	46.34	250	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH52	16.83	48.19	250	Pass
11a	CH60	16.89	48.87	250	Pass
11a	CH64	15.62	36.48	250	Pass
11n (HT20)	CH52	16.83	48.19	250	Pass
11n (HT20)	CH60	16.48	44.46	250	Pass
11n (HT20)	CH64	15.12	32.51	250	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH100	14.08	25.59	250	Pass
11a	CH116	16.49	44.57	250	Pass
11a	CH140	16.37	43.35	250	Pass
11n (HT20)	CH100	13.69	23.39	250	Pass
11n (HT20)	CH116	16.52	44.87	250	Pass
11n (HT20)	CH140	15.36	34.36	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	16.71	46.88	1000	Pass
11a	CH157	16.52	44.87	1000	Pass
11a	CH165	16.63	46.03	1000	Pass
11n (HT20)	CH149	16.73	47.10	1000	Pass
11n (HT20)	CH157	16.85	48.42	1000	Pass
11n (HT20)	CH165	16.54	45.08	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	11.28	13.43	173	Pass
11a	CH44	12.59	18.16	169	Pass
11a	CH48	12.82	19.14	169	Pass
11n (HT20)	CH36	11.08	12.82	181	Pass
11n (HT20)	CH44	12.52	17.86	180	Pass
11n (HT20)	CH48	12.66	18.45	180	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	12.83	19.19	1000	Pass
11a	CH60	12.89	19.45	860	Pass
11a	CH64	11.62	14.52	845	Pass
11n (HT20)	CH52	12.83	19.19	916	Pass
11n (HT20)	CH60	12.48	17.70	910	Pass
11n (HT20)	CH64	11.12	12.94	902	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	10.08	10.19	843	Pass
11a	CH116	12.49	17.74	845	Pass
11a	CH140	12.37	17.26	846	Pass
11n (HT20)	CH100	9.69	9.31	900	Pass
11n (HT20)	CH116	12.52	17.86	904	Pass
11n (HT20)	CH140	11.36	13.68	901	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH149	12.71	18.66	Pass
11a	CH157	12.52	17.86	Pass
11a	CH165	12.63	18.32	Pass
11n (HT20)	CH149	12.73	18.75	Pass
11n (HT20)	CH157	12.85	19.28	Pass
11n (HT20)	CH165	12.54	17.95	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ2390637-604 Data Part 1.pdf”.

Test Data

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	27.97	17.35
11a	CH44	23.16	16.88
11a	CH48	23.19	16.91
11n (HT20)	CH36	28.19	18.11
11n (HT20)	CH44	22.48	18.04
11n (HT20)	CH48	22.77	18.05

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	37.19	20.85
11a	CH60	26.45	17.16
11a	CH64	21.29	16.85
11n (HT20)	CH52	37.90	18.27
11n (HT20)	CH60	29.12	18.15
11n (HT20)	CH64	21.70	18.00

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	21.32	16.82
11a	CH116	21.33	16.86
11a	CH140	21.31	16.88
11n (HT20)	CH100	21.86	17.96
11n (HT20)	CH116	21.95	18.03
11n (HT20)	CH140	21.68	17.97

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	21.28	16.84
11a	CH157	21.32	16.83
11a	CH165	21.34	16.85
11n (HT20)	CH149	21.70	17.99
11n (HT20)	CH157	21.72	17.99
11n (HT20)	CH165	21.72	17.99

A.3 6 dB Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ2390637-604 Data Part 2.pdf”.

Test Data

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	16.40	500.00	Pass
11a	CH157	16.45	500.00	Pass
11a	CH165	16.45	500.00	Pass
11n (HT20)	CH149	17.65	500.00	Pass
11n (HT20)	CH157	17.70	500.00	Pass
11n (HT20)	CH165	17.65	500.00	Pass

A.4 Power Spectral Density

Note : Test plots please refer to the document “Annex No.: BL-SZ2390637-604 Data Part 3.pdf”.

Test Data

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH36	3.69	11.00	Pass
11a	CH44	3.87	11.00	Pass
11a	CH48	3.79	11.00	Pass
11n (HT20)	CH36	2.99	11.00	Pass
11n (HT20)	CH44	3.61	11.00	Pass
11n (HT20)	CH48	3.44	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH52	4.64	11.00	Pass
11a	CH60	4.45	11.00	Pass
11a	CH64	3.04	11.00	Pass
11n (HT20)	CH52	4.41	11.00	Pass
11n (HT20)	CH60	3.60	11.00	Pass
11n (HT20)	CH64	2.34	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH100	3.22	11.00	Pass
11a	CH116	5.01	11.00	Pass
11a	CH140	5.34	11.00	Pass
11n (HT20)	CH100	2.61	11.00	Pass
11n (HT20)	CH116	4.99	11.00	Pass
11n (HT20)	CH140	3.96	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	1.87	30.00	Pass
11a	CH157	1.12	30.00	Pass
11a	CH165	1.61	30.00	Pass
11n (HT20)	CH149	1.52	30.00	Pass
11n (HT20)	CH157	1.21	30.00	Pass
11n (HT20)	CH165	1.01	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	-0.32	10.00	Pass
11a	CH44	-0.13	10.00	Pass
11a	CH48	-0.21	10.00	Pass
11n (HT20)	CH36	-1.01	10.00	Pass
11n (HT20)	CH44	-0.39	10.00	Pass
11n (HT20)	CH48	-0.56	10.00	Pass

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH52	0.64	Pass
11a	CH60	0.45	Pass
11a	CH64	-0.96	Pass
11n (HT20)	CH52	0.41	Pass
11n (HT20)	CH60	-0.41	Pass
11n (HT20)	CH64	-1.66	Pass

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH100	-0.79	Pass
11a	CH116	1.01	Pass
11a	CH140	1.34	Pass
11n (HT20)	CH100	-1.39	Pass
11n (HT20)	CH116	0.99	Pass
11n (HT20)	CH140	-0.04	Pass

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH149	-2.14	Pass
11a	CH157	-2.89	Pass
11a	CH165	-2.39	Pass
11n (HT20)	CH149	-2.48	Pass
11n (HT20)	CH157	-2.79	Pass
11n (HT20)	CH165	-2.99	Pass

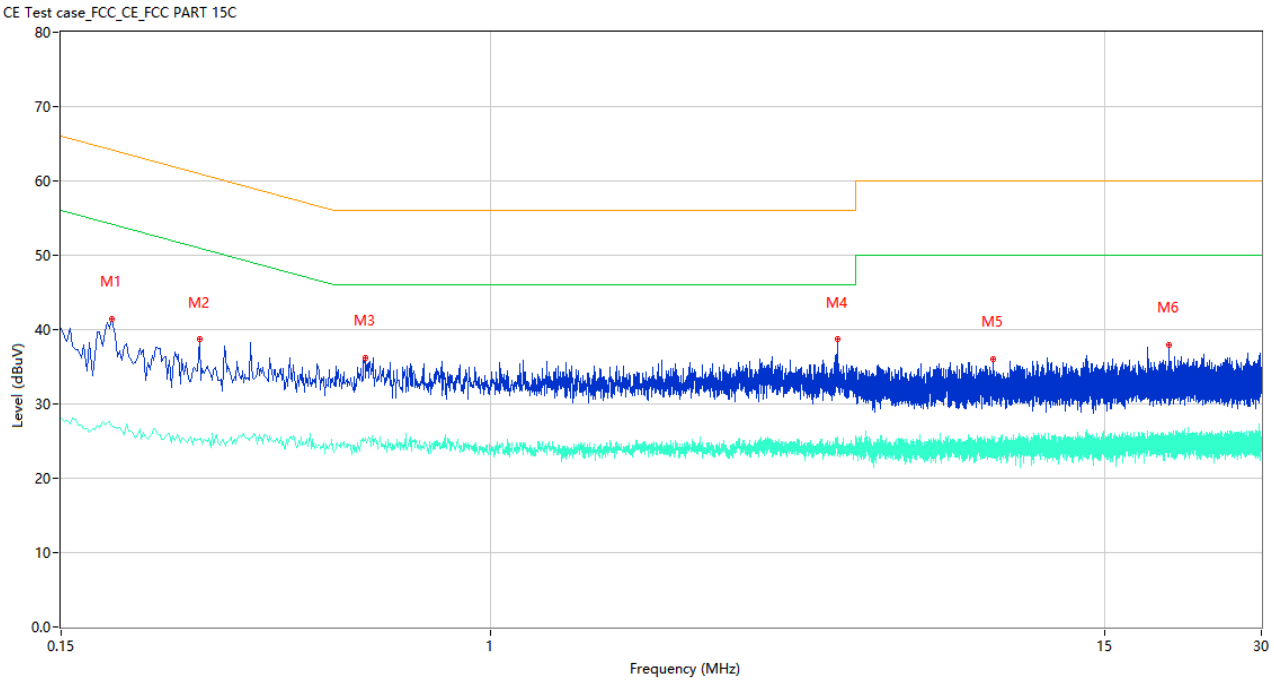
A.5 Conducted Emissions

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.

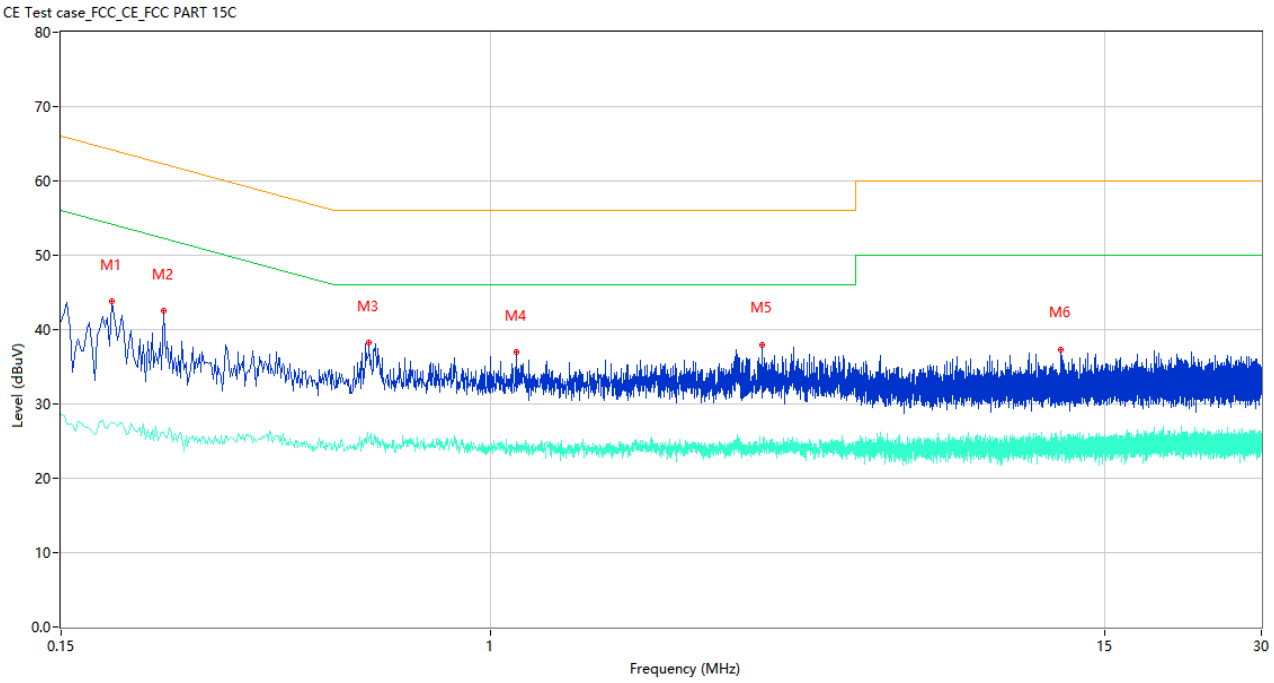
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.188	41.46	9.78	64.12	22.66	Peak	L	Pass
1**	0.188	27.02	9.78	54.12	27.10	AV	L	Pass
2	0.276	38.78	9.76	60.94	22.16	Peak	L	Pass
2**	0.276	25.21	9.76	50.94	25.73	AV	L	Pass
3	0.574	36.26	10.10	56.00	19.74	Peak	L	Pass
3**	0.574	25.18	10.10	46.00	20.82	AV	L	Pass
4	4.622	38.68	10.39	56.00	17.32	Peak	L	Pass
4**	4.622	24.49	10.39	46.00	21.51	AV	L	Pass
5	9.174	36.08	10.58	60.00	23.92	Peak	L	Pass
5**	9.174	24.39	10.58	50.00	25.61	AV	L	Pass
6	19.916	37.99	10.91	60.00	22.01	Peak	L	Pass
6**	19.916	24.90	10.91	50.00	25.10	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.188	43.74	9.78	64.12	20.38	Peak	N	Pass
1**	0.188	27.67	9.78	54.12	26.45	AV	N	Pass
2	0.236	42.48	9.77	62.24	19.76	Peak	N	Pass
2**	0.236	26.14	9.77	52.24	26.10	AV	N	Pass
3	0.584	38.20	10.12	56.00	17.80	Peak	N	Pass
3**	0.584	25.04	10.12	46.00	20.96	AV	N	Pass
4	1.122	36.91	10.19	56.00	19.09	Peak	N	Pass
4**	1.122	24.87	10.19	46.00	21.13	AV	N	Pass
5	3.308	37.88	10.36	56.00	18.12	Peak	N	Pass
5**	3.308	24.44	10.36	46.00	21.56	AV	N	Pass
6	12.356	37.36	10.70	60.00	22.64	Peak	N	Pass
6**	12.356	25.41	10.70	50.00	24.59	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.

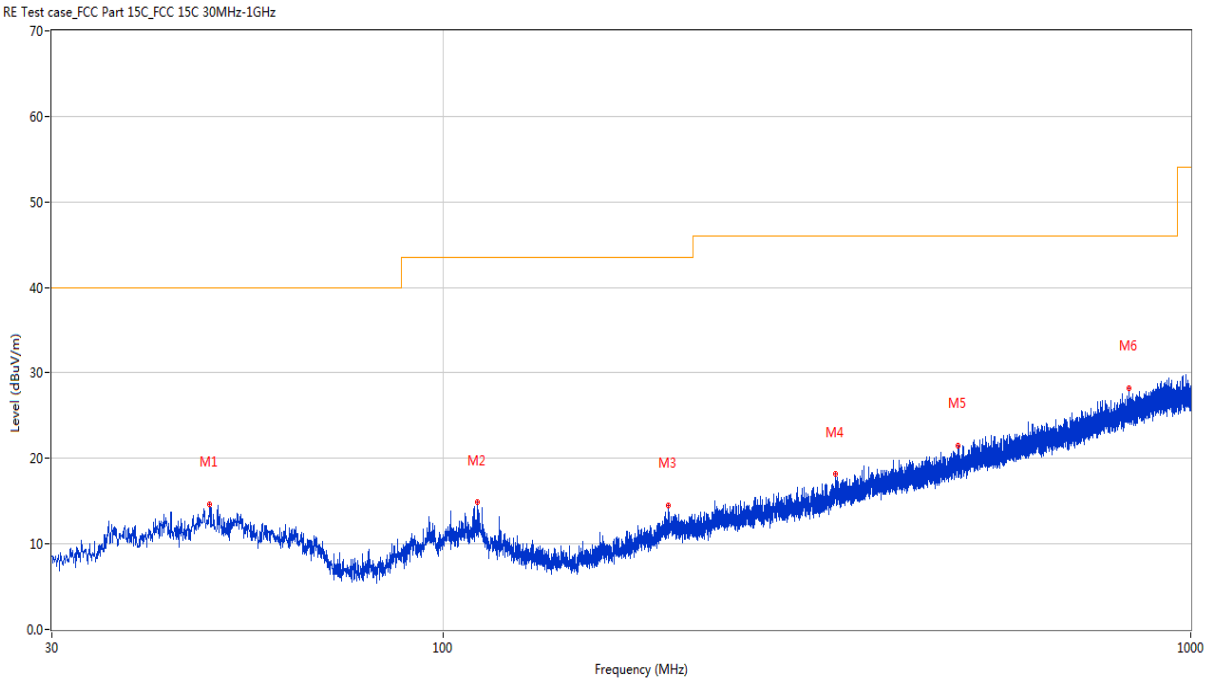
Note [2]: For the test data above 1 GHz，According the ANSI C63.4, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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.

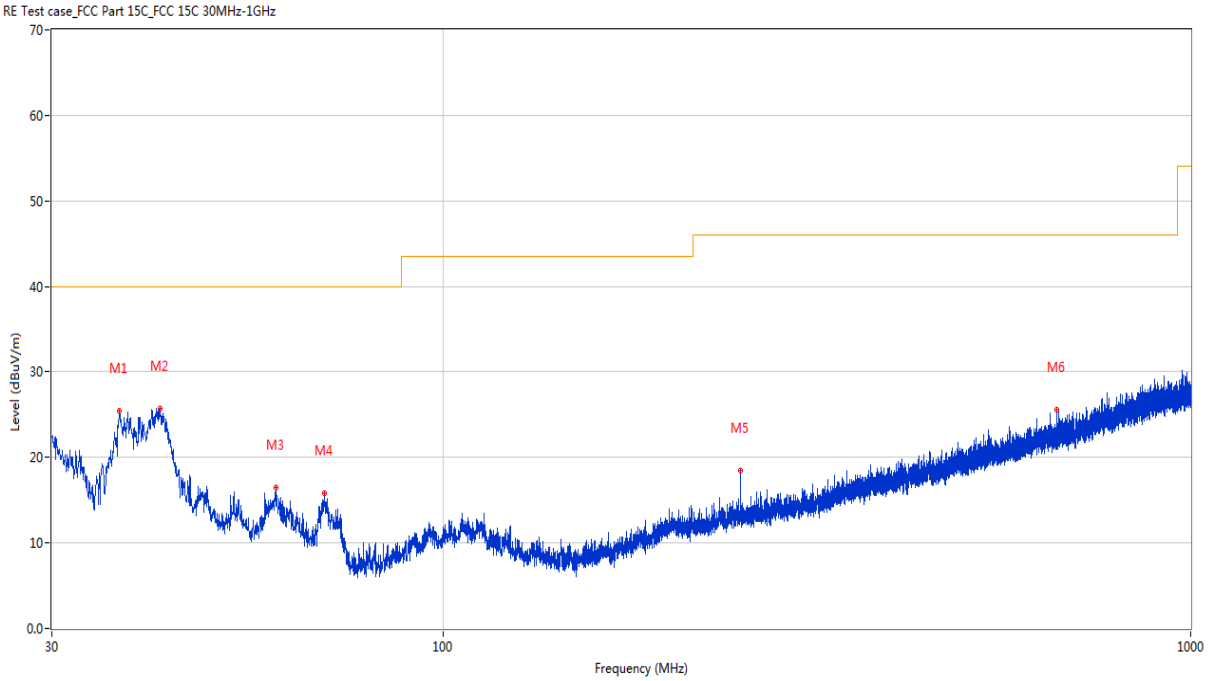
Test Data and Plots

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	48.818	14.61	-22.47	40.0	25.39	Peak	196.70	200	Horizontal	Pass
2	111.335	14.83	-24.49	43.5	28.67	Peak	227.70	200	Horizontal	Pass
3	200.477	14.50	-24.03	43.5	29.00	Peak	356.90	200	Horizontal	Pass
4	334.580	18.13	-20.27	46.0	27.87	Peak	149.00	100	Horizontal	Pass
5	487.986	21.53	-16.63	46.0	24.47	Peak	353.10	100	Horizontal	Pass
6	826.225	28.19	-10.96	46.0	17.81	Peak	131.10	100	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	36.887	25.44	-24.65	40.0	14.56	Peak	267.40	100	Vertical	Pass
2	41.883	25.66	-23.50	40.0	14.34	Peak	269.60	100	Vertical	Pass
3	59.876	16.44	-23.97	40.0	23.56	Peak	339.00	100	Vertical	Pass
4	69.430	15.80	-26.83	40.0	24.20	Peak	286.30	100	Vertical	Pass
5	250.044	18.49	-22.91	46.0	27.51	Peak	258.30	200	Vertical	Pass
6	662.489	25.52	-13.92	46.0	20.48	Peak	157.70	100	Vertical	Pass

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

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1504.400	38.76	-17.38	74.0	35.24	Peak	205.00	400	Horizontal	Pass
1**	1504.400	29.42	-17.38	54.0	24.58	AV	205.00	400	Horizontal	Pass
2	4328.200	49.17	-4.44	74.0	24.83	Peak	21.00	400	Horizontal	Pass
2**	4328.200	39.23	-4.44	54.0	14.77	AV	21.00	400	Horizontal	Pass
3	5178.200	100.92	-2.65	--	--	Peak	44.00	200	Horizontal	N/A
3**	5178.200	92.70	-2.65	--	--	AV	44.00	200	Horizontal	N/A
4	7462.013	48.90	-3.85	74.0	25.10	Peak	194.00	100	Horizontal	Pass
4**	7462.013	39.04	-3.85	54.0	14.96	AV	194.00	100	Horizontal	Pass
5	11666.987	53.07	0.20	74.0	20.93	Peak	83.00	200	Horizontal	Pass
5**	11666.987	42.76	0.20	54.0	11.24	AV	83.00	200	Horizontal	Pass
6	16140.188	56.25	1.02	74.0	17.75	Peak	360.00	200	Horizontal	Pass
6**	16140.188	46.28	1.02	54.0	7.72	AV	360.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1622.000	38.35	-17.65	74.0	35.65	Peak	10.00	400	Vertical	Pass
1**	1622.000	29.61	-17.65	54.0	24.39	AV	10.00	400	Vertical	Pass
2	4349.800	49.86	-3.74	74.0	24.14	Peak	360.00	200	Vertical	Pass
2**	4349.800	39.94	-3.74	54.0	14.06	AV	360.00	200	Vertical	Pass
3	5176.000	99.64	-2.71	--	--	Peak	185.00	100	Vertical	N/A
3**	5176.000	91.66	-2.71	--	--	AV	185.00	100	Vertical	N/A
4	7604.900	49.02	-3.17	74.0	24.98	Peak	68.00	300	Vertical	Pass
4**	7604.900	40.13	-3.17	54.0	13.87	AV	68.00	300	Vertical	Pass
5	12279.075	52.75	1.77	74.0	21.25	Peak	104.00	150	Vertical	Pass
5**	12279.075	44.37	1.77	54.0	9.63	AV	104.00	150	Vertical	Pass
6	15624.375	55.77	1.71	74.0	18.23	Peak	197.00	100	Vertical	Pass
6**	15624.375	46.17	1.71	54.0	7.83	AV	197.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1582.500	38.60	-17.38	74.0	35.40	Peak	7.00	200	Horizontal	Pass
1**	1582.500	29.03	-17.38	54.0	24.97	AV	7.00	200	Horizontal	Pass
2	4345.200	49.52	-4.13	74.0	24.48	Peak	193.00	300	Horizontal	Pass
2**	4345.200	41.07	-4.13	54.0	12.93	AV	193.00	300	Horizontal	Pass
3	5218.400	102.80	-2.65	--	--	Peak	18.00	100	Horizontal	N/A
3**	5218.400	94.77	-2.65	--	--	AV	18.00	100	Horizontal	N/A
4	7345.575	50.11	-3.36	74.0	23.89	Peak	286.00	300	Horizontal	Pass
4**	7345.575	40.61	-3.36	54.0	13.39	AV	286.00	300	Horizontal	Pass
5	12605.963	52.80	1.91	74.0	21.20	Peak	249.00	100	Horizontal	Pass
5**	12605.963	43.75	1.91	54.0	10.25	AV	249.00	100	Horizontal	Pass
6	16052.513	55.61	0.76	74.0	18.39	Peak	75.00	200	Horizontal	Pass
6**	16052.513	45.51	0.76	54.0	8.49	AV	75.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1574.600	38.14	-17.59	74.0	35.86	Peak	37.00	100	Vertical	Pass
1**	1574.600	29.70	-17.59	54.0	24.30	AV	37.00	100	Vertical	Pass
2	4356.400	50.28	-3.97	74.0	23.72	Peak	119.00	300	Vertical	Pass
2**	4356.400	40.04	-3.97	54.0	13.96	AV	119.00	300	Vertical	Pass
3	5215.800	98.24	-2.53	--	--	Peak	58.00	100	Vertical	N/A
3**	5215.800	91.20	-2.53	--	--	AV	58.00	100	Vertical	N/A
4	7355.638	49.82	-3.49	74.0	24.18	Peak	0.00	300	Vertical	Pass
4**	7355.638	40.57	-3.49	54.0	13.43	AV	0.00	300	Vertical	Pass
5	12275.049	53.05	1.62	74.0	20.95	Peak	236.00	100	Vertical	Pass
5**	12275.049	44.33	1.62	54.0	9.67	AV	236.00	100	Vertical	Pass
6	16082.175	55.26	1.59	74.0	18.74	Peak	166.00	300	Vertical	Pass
6**	16082.175	47.60	1.59	54.0	6.40	AV	166.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1553.900	38.55	-17.32	74.0	35.45	Peak	255.00	100	Horizontal	Pass
1**	1553.900	29.97	-17.32	54.0	24.03	AV	255.00	100	Horizontal	Pass
2	4352.200	50.78	-3.59	74.0	23.22	Peak	289.00	100	Horizontal	Pass
2**	4352.200	40.86	-3.59	54.0	13.14	AV	289.00	100	Horizontal	Pass
3	5246.400	102.36	-2.39	--	--	Peak	24.00	150	Horizontal	N/A
3**	5246.400	95.11	-2.39	--	--	AV	24.00	150	Horizontal	N/A
4	7349.887	49.91	-3.31	74.0	24.09	Peak	37.00	300	Horizontal	Pass
4**	7349.887	41.06	-3.31	54.0	12.94	AV	37.00	300	Horizontal	Pass
5	12278.787	53.50	1.76	74.0	20.50	Peak	137.00	200	Horizontal	Pass
5**	12278.787	43.29	1.76	54.0	10.71	AV	137.00	200	Horizontal	Pass
6	15631.988	55.53	1.64	74.0	18.47	Peak	128.00	200	Horizontal	Pass
6**	15631.988	45.43	1.64	54.0	8.57	AV	128.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1567.700	38.69	-17.48	74.0	35.31	Peak	222.00	400	Vertical	Pass
1**	1567.700	29.59	-17.48	54.0	24.41	AV	222.00	400	Vertical	Pass
2	4351.800	50.56	-3.61	74.0	23.44	Peak	88.00	200	Vertical	Pass
2**	4351.800	40.88	-3.61	54.0	13.12	AV	88.00	200	Vertical	Pass
3	5241.600	97.16	-2.20	--	--	Peak	120.00	150	Vertical	N/A
3**	5241.600	89.22	-2.20	--	--	AV	120.00	150	Vertical	N/A
4	7343.275	49.78	-3.33	74.0	24.22	Peak	119.00	100	Vertical	Pass
4**	7343.275	40.53	-3.33	54.0	13.47	AV	119.00	100	Vertical	Pass
5	12267.575	53.20	1.37	74.0	20.80	Peak	229.00	100	Vertical	Pass
5**	12267.575	43.59	1.37	54.0	10.41	AV	229.00	100	Vertical	Pass
6	15802.875	55.83	2.30	74.0	18.17	Peak	136.00	100	Vertical	Pass
6**	15802.875	46.63	2.30	54.0	7.37	AV	136.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1626.500	38.83	-17.64	74.0	35.17	Peak	49.00	300	Horizontal	Pass
1**	1626.500	29.26	-17.64	54.0	24.74	AV	49.00	300	Horizontal	Pass
2	4275.400	50.34	-4.43	74.0	23.66	Peak	208.00	200	Horizontal	Pass
2**	4275.400	41.35	-4.43	54.0	12.65	AV	208.00	200	Horizontal	Pass
3	5186.000	102.11	-2.62	--	--	Peak	31.00	200	Horizontal	N/A
3**	5186.000	94.02	-2.62	--	--	AV	31.00	200	Horizontal	N/A
4	7335.800	50.01	-3.24	74.0	23.99	Peak	262.00	400	Horizontal	Pass
4**	7335.800	41.50	-3.24	54.0	12.50	AV	262.00	400	Horizontal	Pass
5	11911.075	52.82	1.52	74.0	21.18	Peak	145.00	150	Horizontal	Pass
5**	11911.075	43.06	1.52	54.0	10.94	AV	145.00	150	Horizontal	Pass
6	15855.112	55.63	1.19	74.0	18.37	Peak	81.00	100	Horizontal	Pass
6**	15855.112	47.15	1.19	54.0	6.85	AV	81.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1480.200	39.37	-17.61	74.0	34.63	Peak	121.00	100	Vertical	Pass
1**	1480.200	31.93	-17.61	54.0	22.07	AV	121.00	100	Vertical	Pass
2	4387.000	49.75	-4.68	74.0	24.25	Peak	0.00	300	Vertical	Pass
2**	4387.000	40.46	-4.68	54.0	13.54	AV	0.00	300	Vertical	Pass
3	5182.200	96.98	-2.60	--	--	Peak	47.00	100	Vertical	N/A
3**	5182.200	89.09	-2.60	--	--	AV	47.00	100	Vertical	N/A
4	7342.700	50.16	-3.37	74.0	23.84	Peak	206.00	200	Vertical	Pass
4**	7342.700	40.53	-3.37	54.0	13.47	AV	206.00	200	Vertical	Pass
5	12395.800	52.74	1.60	74.0	21.26	Peak	15.00	200	Vertical	Pass
5**	12395.800	43.80	1.60	54.0	10.20	AV	15.00	200	Vertical	Pass
6	16048.838	55.42	0.73	74.0	18.58	Peak	209.00	400	Vertical	Pass
6**	16048.838	45.84	0.73	54.0	8.16	AV	209.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1546.300	38.32	-17.36	74.0	35.68	Peak	20.00	100	Horizontal	Pass
1**	1546.300	29.70	-17.36	54.0	24.30	AV	20.00	100	Horizontal	Pass
2	4209.800	49.34	-5.00	74.0	24.66	Peak	230.00	400	Horizontal	Pass
2**	4209.800	39.84	-5.00	54.0	14.16	AV	230.00	400	Horizontal	Pass
3	5217.400	102.74	-2.62	--	--	Peak	22.00	100	Horizontal	N/A
3**	5217.400	93.99	-2.62	--	--	AV	22.00	100	Horizontal	N/A
4	7311.650	49.53	-2.71	74.0	24.47	Peak	250.00	200	Horizontal	Pass
4**	7311.650	41.05	-2.71	54.0	12.95	AV	250.00	200	Horizontal	Pass
5	12317.600	53.48	1.41	74.0	20.52	Peak	310.00	150	Horizontal	Pass
5**	12317.600	44.10	1.41	54.0	9.90	AV	310.00	150	Horizontal	Pass
6	16038.075	56.47	0.78	74.0	17.53	Peak	46.00	100	Horizontal	Pass
6**	16038.075	46.10	0.78	54.0	7.90	AV	46.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1587.600	38.74	-17.72	74.0	35.26	Peak	241.00	400	Vertical	Pass
1**	1587.600	28.70	-17.72	54.0	25.30	AV	241.00	400	Vertical	Pass
2	4387.400	49.50	-4.68	74.0	24.50	Peak	193.00	400	Vertical	Pass
2**	4387.400	40.46	-4.68	54.0	13.54	AV	193.00	400	Vertical	Pass
3	5225.800	97.21	-2.60	--	--	Peak	303.00	200	Vertical	N/A
3**	5225.800	89.71	-2.60	--	--	AV	303.00	200	Vertical	N/A
4	7337.238	50.06	-3.30	74.0	23.94	Peak	15.00	200	Vertical	Pass
4**	7337.238	41.42	-3.30	54.0	12.58	AV	15.00	200	Vertical	Pass
5	12611.713	53.67	1.89	74.0	20.33	Peak	360.00	200	Vertical	Pass
5**	12611.713	43.98	1.89	54.0	10.02	AV	360.00	200	Vertical	Pass
6	16195.313	55.92	1.59	74.0	18.08	Peak	231.00	400	Vertical	Pass
6**	16195.313	46.99	1.59	54.0	7.01	AV	231.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1531.000	39.22	-17.50	74.0	34.78	Peak	17.00	200	Horizontal	Pass
1**	1531.000	29.98	-17.50	54.0	24.02	AV	17.00	200	Horizontal	Pass
2	3731.600	49.46	-6.20	74.0	24.54	Peak	360.00	200	Horizontal	Pass
2**	3731.600	38.45	-6.20	54.0	15.55	AV	360.00	200	Horizontal	Pass
3	5240.200	102.21	-2.24	--	--	Peak	14.00	200	Horizontal	N/A
3**	5240.200	93.13	-2.24	--	--	AV	14.00	200	Horizontal	N/A
4	7688.275	49.81	-2.18	74.0	24.19	Peak	305.00	400	Horizontal	Pass
4**	7688.275	41.13	-2.18	54.0	12.87	AV	305.00	400	Horizontal	Pass
5	12284.826	53.58	1.78	74.0	20.42	Peak	99.00	200	Horizontal	Pass
5**	12284.826	44.92	1.78	54.0	9.08	AV	99.00	200	Horizontal	Pass
6	16041.487	55.64	0.78	74.0	18.36	Peak	245.00	400	Horizontal	Pass
6**	16041.487	45.54	0.78	54.0	8.46	AV	245.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1550.300	39.40	-17.48	74.0	34.60	Peak	56.00	300	Vertical	Pass
1**	1550.300	29.78	-17.48	54.0	24.22	AV	56.00	300	Vertical	Pass
2	4380.800	50.60	-4.55	74.0	23.40	Peak	331.00	200	Vertical	Pass
2**	4380.800	40.72	-4.55	54.0	13.28	AV	331.00	200	Vertical	Pass
3	5236.200	95.93	-2.26	--	--	Peak	46.00	100	Vertical	N/A
3**	5236.200	88.20	-2.26	--	--	AV	46.00	100	Vertical	N/A
4	7324.875	50.04	-3.69	74.0	23.96	Peak	66.00	300	Vertical	Pass
4**	7324.875	40.18	-3.69	54.0	13.82	AV	66.00	300	Vertical	Pass
5	12287.412	53.19	1.72	74.0	20.81	Peak	153.00	100	Vertical	Pass
5**	12287.412	44.62	1.72	54.0	9.38	AV	153.00	100	Vertical	Pass
6	16022.062	55.88	0.58	74.0	18.12	Peak	78.00	300	Vertical	Pass
6**	16022.062	45.62	0.58	54.0	8.38	AV	78.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1495.900	39.52	-17.41	74.0	34.48	Peak	214.00	300	Horizontal	Pass
1**	1495.900	30.05	-17.41	54.0	23.95	AV	214.00	300	Horizontal	Pass
2	4380.200	49.98	-4.51	74.0	24.02	Peak	119.00	300	Horizontal	Pass
2**	4380.200	41.40	-4.51	54.0	12.60	AV	119.00	300	Horizontal	Pass
3	5252.400	100.77	-2.27	--	--	Peak	22.00	100	Horizontal	N/A
3**	5252.400	92.01	-2.27	--	--	AV	22.00	100	Horizontal	N/A
4	7304.750	50.73	-2.69	74.0	23.27	Peak	297.00	400	Horizontal	Pass
4**	7304.750	40.26	-2.69	54.0	13.74	AV	297.00	400	Horizontal	Pass
5	12316.738	53.96	1.41	74.0	20.04	Peak	157.00	100	Horizontal	Pass
5**	12316.738	44.04	1.41	54.0	9.96	AV	157.00	100	Horizontal	Pass
6	16086.375	56.42	1.50	74.0	17.58	Peak	227.00	100	Horizontal	Pass
6**	16086.375	46.21	1.50	54.0	7.79	AV	227.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1588.800	38.55	-17.68	74.0	35.45	Peak	137.00	300	Vertical	Pass
1**	1588.800	28.91	-17.68	54.0	25.09	AV	137.00	300	Vertical	Pass
2	4368.800	49.97	-4.56	74.0	24.03	Peak	31.00	400	Vertical	Pass
2**	4368.800	40.93	-4.56	54.0	13.07	AV	31.00	400	Vertical	Pass
3	5265.200	98.02	-2.76	--	--	Peak	289.00	200	Vertical	N/A
3**	5265.200	91.11	-2.76	--	--	AV	289.00	200	Vertical	N/A
4	7336.950	49.44	-3.29	74.0	24.56	Peak	101.00	100	Vertical	Pass
4**	7336.950	40.45	-3.29	54.0	13.55	AV	101.00	100	Vertical	Pass
5	12279.650	53.43	1.79	74.0	20.57	Peak	311.00	200	Vertical	Pass
5**	12279.650	44.14	1.79	54.0	9.86	AV	311.00	200	Vertical	Pass
6	15815.737	55.64	2.03	74.0	18.36	Peak	42.00	100	Vertical	Pass
6**	15815.737	47.50	2.03	54.0	6.50	AV	42.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1520.600	38.51	-17.54	74.0	35.49	Peak	271.00	300	Horizontal	Pass
1**	1520.600	29.28	-17.54	54.0	24.72	AV	271.00	300	Horizontal	Pass
2	4280.200	50.49	-4.58	74.0	23.51	Peak	194.00	300	Horizontal	Pass
2**	4280.200	40.59	-4.58	54.0	13.41	AV	194.00	300	Horizontal	Pass
3	5296.800	103.84	-3.28	--	--	Peak	83.00	150	Horizontal	N/A
3**	5296.800	96.45	-3.28	--	--	AV	83.00	150	Horizontal	N/A
4	7503.700	49.56	-3.29	74.0	24.44	Peak	152.00	100	Horizontal	Pass
4**	7503.700	40.67	-3.29	54.0	13.33	AV	152.00	100	Horizontal	Pass
5	11915.963	53.69	1.49	74.0	20.31	Peak	360.00	100	Horizontal	Pass
5**	11915.963	43.44	1.49	54.0	10.56	AV	360.00	100	Horizontal	Pass
6	16088.212	55.68	1.47	74.0	18.32	Peak	0.00	200	Horizontal	Pass
6**	16088.212	46.26	1.47	54.0	7.74	AV	0.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1494.000	38.83	-17.64	74.0	35.17	Peak	352.00	300	Vertical	Pass
1**	1494.000	28.70	-17.64	54.0	25.30	AV	352.00	300	Vertical	Pass
2	3998.000	48.36	-5.09	74.0	25.64	Peak	29.00	150	Vertical	Pass
2**	3998.000	39.41	-5.09	54.0	14.59	AV	29.00	150	Vertical	Pass
3	5297.200	101.25	-3.29	--	--	Peak	285.00	100	Vertical	N/A
3**	5297.200	93.12	-3.29	--	--	AV	285.00	100	Vertical	N/A
4	7356.788	49.64	-3.55	74.0	24.36	Peak	265.00	100	Vertical	Pass
4**	7356.788	40.66	-3.55	54.0	13.34	AV	265.00	100	Vertical	Pass
5	12640.175	53.27	1.12	74.0	20.73	Peak	16.00	100	Vertical	Pass
5**	12640.175	43.46	1.12	54.0	10.54	AV	16.00	100	Vertical	Pass
6	16021.276	56.08	0.56	74.0	17.92	Peak	296.00	200	Vertical	Pass
6**	16021.276	46.08	0.56	54.0	7.92	AV	296.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1442.300	39.32	-17.41	74.0	34.68	Peak	233.00	100	Horizontal	Pass
1**	1442.300	28.87	-17.41	54.0	25.13	AV	233.00	100	Horizontal	Pass
2	4346.400	49.90	-4.04	74.0	24.10	Peak	187.00	300	Horizontal	Pass
2**	4346.400	41.09	-4.04	54.0	12.91	AV	187.00	300	Horizontal	Pass
3	5314.000	102.92	-2.68	--	--	Peak	89.00	100	Horizontal	N/A
3**	5314.000	95.09	-2.68	--	--	AV	89.00	100	Horizontal	N/A
4	7292.962	49.68	-3.15	74.0	24.32	Peak	264.00	400	Horizontal	Pass
4**	7292.962	40.05	-3.15	54.0	13.95	AV	264.00	400	Horizontal	Pass
5	12290.288	53.15	1.66	74.0	20.85	Peak	122.00	200	Horizontal	Pass
5**	12290.288	44.04	1.66	54.0	9.96	AV	122.00	200	Horizontal	Pass
6	16126.276	55.90	0.86	74.0	18.10	Peak	360.00	400	Horizontal	Pass
6**	16126.276	46.81	0.86	54.0	7.19	AV	360.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1611.600	39.07	-17.70	74.0	34.93	Peak	193.00	200	Vertical	Pass
1**	1611.600	29.88	-17.70	54.0	24.12	AV	193.00	200	Vertical	Pass
2	4203.400	49.35	-4.88	74.0	24.65	Peak	210.00	400	Vertical	Pass
2**	4203.400	39.86	-4.88	54.0	14.14	AV	210.00	400	Vertical	Pass
3	5315.600	100.17	-2.61	--	--	Peak	86.00	150	Vertical	N/A
3**	5315.600	93.03	-2.61	--	--	AV	86.00	150	Vertical	N/A
4	7683.675	49.94	-2.34	74.0	24.06	Peak	0.00	200	Vertical	Pass
4**	7683.675	41.11	-2.34	54.0	12.89	AV	0.00	200	Vertical	Pass
5	11626.450	53.45	-0.15	74.0	20.55	Peak	94.00	150	Vertical	Pass
5**	11626.450	43.46	-0.15	54.0	10.54	AV	94.00	150	Vertical	Pass
6	15814.688	55.92	2.07	74.0	18.08	Peak	267.00	100	Vertical	Pass
6**	15814.688	46.05	2.07	54.0	7.95	AV	267.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1438.500	39.16	-17.49	74.0	34.84	Peak	105.00	300	Horizontal	Pass
1**	1438.500	28.88	-17.49	54.0	25.12	AV	105.00	300	Horizontal	Pass
2	4361.000	49.65	-4.24	74.0	24.35	Peak	230.00	400	Horizontal	Pass
2**	4361.000	40.24	-4.24	54.0	13.76	AV	230.00	400	Horizontal	Pass
3	5263.800	103.96	-2.79	--	--	Peak	94.00	200	Horizontal	N/A
3**	5263.800	96.43	-2.79	--	--	AV	94.00	200	Horizontal	N/A
4	7522.387	49.88	-3.22	74.0	24.12	Peak	128.00	100	Horizontal	Pass
4**	7522.387	40.61	-3.22	54.0	13.39	AV	128.00	100	Horizontal	Pass
5	12289.138	53.17	1.68	74.0	20.83	Peak	349.00	100	Horizontal	Pass
5**	12289.138	43.62	1.68	54.0	10.38	AV	349.00	100	Horizontal	Pass
6	15837.525	55.76	1.45	74.0	18.24	Peak	0.00	100	Horizontal	Pass
6**	15837.525	46.75	1.45	54.0	7.25	AV	0.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1438.700	38.65	-17.49	74.0	35.35	Peak	0.00	200	Vertical	Pass
1**	1438.700	29.79	-17.49	54.0	24.21	AV	0.00	200	Vertical	Pass
2	4346.200	49.45	-4.05	74.0	24.55	Peak	7.00	300	Vertical	Pass
2**	4346.200	40.72	-4.05	54.0	13.28	AV	7.00	300	Vertical	Pass
3	5256.600	100.78	-2.33	--	--	Peak	288.00	100	Vertical	N/A
3**	5256.600	93.62	-2.33	--	--	AV	288.00	100	Vertical	N/A
4	7348.450	50.17	-3.15	74.0	23.83	Peak	352.00	300	Vertical	Pass
4**	7348.450	41.41	-3.15	54.0	12.59	AV	352.00	300	Vertical	Pass
5	11928.325	53.57	1.55	74.0	20.43	Peak	204.00	100	Vertical	Pass
5**	11928.325	43.67	1.55	54.0	10.33	AV	204.00	100	Vertical	Pass
6	15855.375	56.00	1.17	74.0	18.00	Peak	90.00	300	Vertical	Pass
6**	15855.375	46.43	1.17	54.0	7.57	AV	90.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1502.200	38.80	-17.46	74.0	35.20	Peak	102.00	400	Horizontal	Pass
1**	1502.200	29.52	-17.46	54.0	24.48	AV	102.00	400	Horizontal	Pass
2	4175.800	49.71	-5.25	74.0	24.29	Peak	68.00	100	Horizontal	Pass
2**	4175.800	39.06	-5.25	54.0	14.94	AV	68.00	100	Horizontal	Pass
3	5302.800	102.73	-2.99	--	--	Peak	111.00	150	Horizontal	N/A
3**	5302.800	95.38	-2.99	--	--	AV	111.00	150	Horizontal	N/A
4	7379.500	49.62	-3.82	74.0	24.38	Peak	188.00	300	Horizontal	Pass
4**	7379.500	41.70	-3.82	54.0	12.30	AV	188.00	300	Horizontal	Pass
5	12283.099	53.07	1.79	74.0	20.93	Peak	15.00	150	Horizontal	Pass
5**	12283.099	43.41	1.79	54.0	10.59	AV	15.00	150	Horizontal	Pass
6	15636.975	55.71	1.47	74.0	18.29	Peak	325.00	400	Horizontal	Pass
6**	15636.975	45.69	1.47	54.0	8.31	AV	325.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1448.800	38.21	-17.36	74.0	35.79	Peak	18.00	200	Vertical	Pass
1**	1448.800	29.36	-17.36	54.0	24.64	AV	18.00	200	Vertical	Pass
2	4361.200	50.10	-4.28	74.0	23.90	Peak	265.00	300	Vertical	Pass
2**	4361.200	41.32	-4.28	54.0	12.68	AV	265.00	300	Vertical	Pass
3	5304.800	100.03	-2.87	--	--	Peak	285.00	200	Vertical	N/A
3**	5304.800	92.23	-2.87	--	--	AV	285.00	200	Vertical	N/A
4	7349.887	49.51	-3.31	74.0	24.49	Peak	82.00	100	Vertical	Pass
4**	7349.887	41.24	-3.31	54.0	12.76	AV	82.00	100	Vertical	Pass
5	11215.901	53.09	-0.19	74.0	20.91	Peak	14.00	150	Vertical	Pass
5**	11215.901	44.07	-0.19	54.0	9.93	AV	14.00	150	Vertical	Pass
6	15807.863	55.43	2.21	74.0	18.57	Peak	0.00	300	Vertical	Pass
6**	15807.863	46.23	2.21	54.0	7.77	AV	0.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1441.000	39.98	-17.37	74.0	34.02	Peak	14.00	100	Horizontal	Pass
1**	1441.000	29.97	-17.37	54.0	24.03	AV	14.00	100	Horizontal	Pass
2	4348.400	50.33	-3.87	74.0	23.67	Peak	177.00	100	Horizontal	Pass
2**	4348.400	40.58	-3.87	54.0	13.42	AV	177.00	100	Horizontal	Pass
3	5315.800	103.35	-2.60	--	--	Peak	96.00	100	Horizontal	N/A
3**	5315.800	95.80	-2.60	--	--	AV	96.00	100	Horizontal	N/A
4	7347.300	50.14	-3.25	74.0	23.86	Peak	254.00	300	Horizontal	Pass
4**	7347.300	41.17	-3.25	54.0	12.83	AV	254.00	300	Horizontal	Pass
5	12395.225	53.40	1.60	74.0	20.60	Peak	44.00	200	Horizontal	Pass
5**	12395.225	43.71	1.60	54.0	10.29	AV	44.00	200	Horizontal	Pass
6	15854.063	55.72	1.22	74.0	18.28	Peak	195.00	300	Horizontal	Pass
6**	15854.063	47.20	1.22	54.0	6.80	AV	195.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1485.200	39.25	-17.59	74.0	34.75	Peak	56.00	200	Vertical	Pass
1**	1485.200	28.49	-17.59	54.0	25.51	AV	56.00	200	Vertical	Pass
2	4348.400	50.10	-3.87	74.0	23.90	Peak	0.00	200	Vertical	Pass
2**	4348.400	40.87	-3.87	54.0	13.13	AV	0.00	200	Vertical	Pass
3	5323.000	99.43	-2.79	--	--	Peak	288.00	150	Vertical	N/A
3**	5323.000	92.26	-2.79	--	--	AV	288.00	150	Vertical	N/A
4	7339.250	50.98	-3.38	74.0	23.02	Peak	155.00	400	Vertical	Pass
4**	7339.250	41.63	-3.38	54.0	12.37	AV	155.00	400	Vertical	Pass
5	12273.613	53.05	1.57	74.0	20.95	Peak	234.00	200	Vertical	Pass
5**	12273.613	43.95	1.57	54.0	10.05	AV	234.00	200	Vertical	Pass
6	16045.688	56.01	0.74	74.0	17.99	Peak	344.00	400	Vertical	Pass
6**	16045.688	45.83	0.74	54.0	8.17	AV	344.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1614.400	38.93	-17.75	74.0	35.07	Peak	189.00	400	Horizontal	Pass
1**	1614.400	29.48	-17.75	54.0	24.52	AV	189.00	400	Horizontal	Pass
2	4352.800	50.58	-3.66	74.0	23.42	Peak	343.00	100	Horizontal	Pass
2**	4352.800	41.33	-3.66	54.0	12.67	AV	343.00	100	Horizontal	Pass
3	5506.200	104.42	-2.38	--	--	Peak	91.00	200	Horizontal	N/A
3**	5506.200	97.03	-2.38	--	--	AV	91.00	200	Horizontal	N/A
4	7351.037	49.79	-3.43	74.0	24.21	Peak	13.00	400	Horizontal	Pass
4**	7351.037	41.23	-3.43	54.0	12.77	AV	13.00	400	Horizontal	Pass
5	12438.350	53.02	1.75	74.0	20.98	Peak	46.00	150	Horizontal	Pass
5**	12438.350	43.55	1.75	54.0	10.45	AV	46.00	150	Horizontal	Pass
6	15405.712	55.34	0.79	74.0	18.66	Peak	253.00	400	Horizontal	Pass
6**	15405.712	45.20	0.79	54.0	8.80	AV	253.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1582.800	39.07	-17.41	74.0	34.93	Peak	54.00	100	Vertical	Pass
1**	1582.800	29.30	-17.41	54.0	24.70	AV	54.00	100	Vertical	Pass
2	4353.400	49.90	-3.73	74.0	24.10	Peak	7.00	200	Vertical	Pass
2**	4353.400	40.85	-3.73	54.0	13.15	AV	7.00	200	Vertical	Pass
3	5501.400	101.51	-2.34	--	--	Peak	83.00	150	Vertical	N/A
3**	5501.400	93.47	-2.34	--	--	AV	83.00	150	Vertical	N/A
4	7336.663	50.13	-3.28	74.0	23.87	Peak	96.00	400	Vertical	Pass
4**	7336.663	41.16	-3.28	54.0	12.84	AV	96.00	400	Vertical	Pass
5	12305.526	52.76	1.39	74.0	21.24	Peak	360.00	150	Vertical	Pass
5**	12305.526	43.77	1.39	54.0	10.23	AV	360.00	150	Vertical	Pass
6	16033.350	55.37	0.74	74.0	18.63	Peak	70.00	100	Vertical	Pass
6**	16033.350	46.00	0.74	54.0	8.00	AV	70.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1495.400	39.70	-17.47	74.0	34.30	Peak	0.00	300	Horizontal	Pass
1**	1495.400	29.99	-17.47	54.0	24.01	AV	0.00	300	Horizontal	Pass
2	4371.400	50.16	-4.18	74.0	23.84	Peak	358.00	300	Horizontal	Pass
2**	4371.400	40.73	-4.18	54.0	13.27	AV	358.00	300	Horizontal	Pass
3	5575.400	104.66	-1.87	--	--	Peak	113.00	150	Horizontal	N/A
3**	5575.400	96.74	-1.87	--	--	AV	113.00	150	Horizontal	N/A
4	7437.862	49.69	-3.66	74.0	24.31	Peak	1.00	100	Horizontal	Pass
4**	7437.862	39.98	-3.66	54.0	14.02	AV	1.00	100	Horizontal	Pass
5	12242.562	52.89	1.04	74.0	21.11	Peak	13.00	150	Horizontal	Pass
5**	12242.562	43.49	1.04	54.0	10.51	AV	13.00	150	Horizontal	Pass
6	15850.651	55.75	1.31	74.0	18.25	Peak	221.00	100	Horizontal	Pass
6**	15850.651	46.71	1.31	54.0	7.29	AV	221.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1471.600	39.46	-17.53	74.0	34.54	Peak	115.00	200	Vertical	Pass
1**	1471.600	29.76	-17.53	54.0	24.24	AV	115.00	200	Vertical	Pass
2	4350.000	50.90	-3.72	74.0	23.10	Peak	271.00	300	Vertical	Pass
2**	4350.000	40.83	-3.72	54.0	13.17	AV	271.00	300	Vertical	Pass
3	5575.200	101.72	-1.88	--	--	Peak	77.00	100	Vertical	N/A
3**	5575.200	93.67	-1.88	--	--	AV	77.00	100	Vertical	N/A
4	7347.875	50.29	-3.18	74.0	23.71	Peak	315.00	100	Vertical	Pass
4**	7347.875	41.43	-3.18	54.0	12.57	AV	315.00	100	Vertical	Pass
5	12349.799	53.56	1.22	74.0	20.44	Peak	12.00	200	Vertical	Pass
5**	12349.799	43.25	1.22	54.0	10.75	AV	12.00	200	Vertical	Pass
6	16171.688	55.98	1.21	74.0	18.02	Peak	142.00	100	Vertical	Pass
6**	16171.688	46.44	1.21	54.0	7.56	AV	142.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1621.500	38.80	-17.66	74.0	35.20	Peak	328.00	200	Horizontal	Pass
1**	1621.500	28.91	-17.66	54.0	25.09	AV	328.00	200	Horizontal	Pass
2	4185.600	49.31	-4.85	74.0	24.69	Peak	130.00	200	Horizontal	Pass
2**	4185.600	40.31	-4.85	54.0	13.69	AV	130.00	200	Horizontal	Pass
3	5701.600	103.54	-1.49	--	--	Peak	71.00	100	Horizontal	N/A
3**	5701.600	96.10	-1.49	--	--	AV	71.00	100	Horizontal	N/A
4	7617.838	49.57	-2.92	74.0	24.43	Peak	156.00	400	Horizontal	Pass
4**	7617.838	39.80	-2.92	54.0	14.20	AV	156.00	400	Horizontal	Pass
5	12280.225	53.05	1.80	74.0	20.95	Peak	156.00	100	Horizontal	Pass
5**	12280.225	43.46	1.80	54.0	10.54	AV	156.00	100	Horizontal	Pass
6	16046.474	55.49	0.74	74.0	18.51	Peak	270.00	400	Horizontal	Pass
6**	16046.474	45.56	0.74	54.0	8.44	AV	270.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1565.700	38.59	-17.53	74.0	35.41	Peak	41.00	200	Vertical	Pass
1**	1565.700	29.02	-17.53	54.0	24.98	AV	41.00	200	Vertical	Pass
2	4346.600	49.46	-4.02	74.0	24.54	Peak	352.00	200	Vertical	Pass
2**	4346.600	40.92	-4.02	54.0	13.08	AV	352.00	200	Vertical	Pass
3	5697.800	102.26	-1.52	--	--	Peak	76.00	200	Vertical	N/A
3**	5697.800	93.10	-1.52	--	--	AV	76.00	200	Vertical	N/A
4	7340.975	50.68	-3.42	74.0	23.32	Peak	10.00	300	Vertical	Pass
4**	7340.975	40.93	-3.42	54.0	13.07	AV	10.00	300	Vertical	Pass
5	12280.800	53.47	1.80	74.0	20.53	Peak	300.00	100	Vertical	Pass
5**	12280.800	43.96	1.80	54.0	10.04	AV	300.00	100	Vertical	Pass
6	15840.675	55.74	1.44	74.0	18.26	Peak	188.00	400	Vertical	Pass
6**	15840.675	47.48	1.44	54.0	6.52	AV	188.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1448.100	38.80	-17.32	74.0	35.20	Peak	285.00	200	Horizontal	Pass
1**	1448.100	29.63	-17.32	54.0	24.37	AV	285.00	200	Horizontal	Pass
2	4379.200	49.96	-4.52	74.0	24.04	Peak	11.00	200	Horizontal	Pass
2**	4379.200	39.99	-4.52	54.0	14.01	AV	11.00	200	Horizontal	Pass
3	5495.600	103.85	-2.29	--	--	Peak	105.00	200	Horizontal	N/A
3**	5495.600	96.15	-2.29	--	--	AV	105.00	200	Horizontal	N/A
4	7353.050	50.30	-3.53	74.0	23.70	Peak	76.00	400	Horizontal	Pass
4**	7353.050	40.02	-3.53	54.0	13.98	AV	76.00	400	Horizontal	Pass
5	12620.049	52.97	1.79	74.0	21.03	Peak	76.00	200	Horizontal	Pass
5**	12620.049	43.64	1.79	54.0	10.36	AV	76.00	200	Horizontal	Pass
6	16106.325	55.59	0.92	74.0	18.41	Peak	3.00	300	Horizontal	Pass
6**	16106.325	46.10	0.92	54.0	7.90	AV	3.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1525.000	38.46	-17.38	74.0	35.54	Peak	58.00	100	Vertical	Pass
1**	1525.000	29.30	-17.38	54.0	24.70	AV	58.00	100	Vertical	Pass
2	4275.000	50.09	-4.42	74.0	23.91	Peak	360.00	200	Vertical	Pass
2**	4275.000	40.40	-4.42	54.0	13.60	AV	360.00	200	Vertical	Pass
3	5498.000	101.46	-2.21	--	--	Peak	60.00	150	Vertical	N/A
3**	5498.000	93.31	-2.21	--	--	AV	60.00	150	Vertical	N/A
4	7343.850	50.90	-3.29	74.0	23.10	Peak	5.00	400	Vertical	Pass
4**	7343.850	41.09	-3.29	54.0	12.91	AV	5.00	400	Vertical	Pass
5	12273.613	53.18	1.57	74.0	20.82	Peak	355.00	200	Vertical	Pass
5**	12273.613	44.48	1.57	54.0	9.52	AV	355.00	200	Vertical	Pass
6	15630.151	55.85	1.70	74.0	18.15	Peak	352.00	400	Vertical	Pass
6**	15630.151	46.09	1.70	54.0	7.91	AV	352.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1503.600	39.18	-17.42	74.0	34.82	Peak	264.00	300	Horizontal	Pass
1**	1503.600	29.21	-17.42	54.0	24.79	AV	264.00	300	Horizontal	Pass
2	4343.600	49.41	-4.24	74.0	24.59	Peak	336.00	300	Horizontal	Pass
2**	4343.600	39.96	-4.24	54.0	14.04	AV	336.00	300	Horizontal	Pass
3	5577.400	104.73	-1.92	--	--	Peak	113.00	200	Horizontal	N/A
3**	5577.400	97.08	-1.92	--	--	AV	113.00	200	Horizontal	N/A
4	7401.925	49.93	-4.01	74.0	24.07	Peak	1.00	200	Horizontal	Pass
4**	7401.925	40.27	-4.01	54.0	13.73	AV	1.00	200	Horizontal	Pass
5	12403.849	53.07	1.50	74.0	20.93	Peak	197.00	150	Horizontal	Pass
5**	12403.849	43.77	1.50	54.0	10.23	AV	197.00	150	Horizontal	Pass
6	15641.962	55.75	1.31	74.0	18.25	Peak	306.00	100	Horizontal	Pass
6**	15641.962	46.34	1.31	54.0	7.66	AV	306.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1497.000	38.69	-17.43	74.0	35.31	Peak	301.00	300	Vertical	Pass
1**	1497.000	28.97	-17.43	54.0	25.03	AV	301.00	300	Vertical	Pass
2	4360.200	49.65	-4.18	74.0	24.35	Peak	2.00	100	Vertical	Pass
2**	4360.200	40.82	-4.18	54.0	13.18	AV	2.00	100	Vertical	Pass
3	5575.800	100.17	-1.83	--	--	Peak	78.00	200	Vertical	N/A
3**	5575.800	92.57	-1.83	--	--	AV	78.00	200	Vertical	N/A
4	7324.875	49.75	-3.69	74.0	24.25	Peak	13.00	100	Vertical	Pass
4**	7324.875	41.33	-3.69	54.0	12.67	AV	13.00	100	Vertical	Pass
5	11221.075	53.06	-0.21	74.0	20.94	Peak	332.00	100	Vertical	Pass
5**	11221.075	43.31	-0.21	54.0	10.69	AV	332.00	100	Vertical	Pass
6	15820.724	55.84	1.84	74.0	18.16	Peak	39.00	400	Vertical	Pass
6**	15820.724	46.62	1.84	54.0	7.38	AV	39.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1444.200	38.48	-17.31	74.0	35.52	Peak	352.00	200	Horizontal	Pass
1**	1444.200	29.44	-17.31	54.0	24.56	AV	352.00	200	Horizontal	Pass
2	4351.600	49.57	-3.62	74.0	24.43	Peak	17.00	200	Horizontal	Pass
2**	4351.600	40.95	-3.62	54.0	13.05	AV	17.00	200	Horizontal	Pass
3	5701.000	101.73	-1.49	--	--	Peak	117.00	150	Horizontal	N/A
3**	5701.000	94.84	-1.49	--	--	AV	117.00	150	Horizontal	N/A
4	7276.287	49.86	-3.14	74.0	24.14	Peak	359.00	100	Horizontal	Pass
4**	7276.287	39.83	-3.14	54.0	14.17	AV	359.00	100	Horizontal	Pass
5	11489.313	53.43	0.07	74.0	20.57	Peak	1.00	150	Horizontal	Pass
5**	11489.313	42.69	0.07	54.0	11.31	AV	1.00	150	Horizontal	Pass
6	16048.050	55.64	0.74	74.0	18.36	Peak	331.00	100	Horizontal	Pass
6**	16048.050	45.66	0.74	54.0	8.34	AV	331.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1542.200	38.56	-17.34	74.0	35.44	Peak	123.00	200	Vertical	Pass
1**	1542.200	29.21	-17.34	54.0	24.79	AV	123.00	200	Vertical	Pass
2	4288.000	49.68	-5.29	74.0	24.32	Peak	108.00	100	Vertical	Pass
2**	4288.000	39.49	-5.29	54.0	14.51	AV	108.00	100	Vertical	Pass
3	5695.800	100.00	-1.64	--	--	Peak	76.00	100	Vertical	N/A
3**	5695.800	92.94	-1.64	--	--	AV	76.00	100	Vertical	N/A
4	7339.537	49.99	-3.38	74.0	24.01	Peak	356.00	200	Vertical	Pass
4**	7339.537	41.40	-3.38	54.0	12.60	AV	356.00	200	Vertical	Pass
5	12229.338	53.00	1.30	74.0	21.00	Peak	352.00	150	Vertical	Pass
5**	12229.338	44.68	1.30	54.0	9.32	AV	352.00	150	Vertical	Pass
6	16079.025	55.73	1.62	74.0	18.27	Peak	1.00	200	Vertical	Pass
6**	16079.025	47.72	1.62	54.0	6.28	AV	1.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1534.200	39.05	-17.35	74.0	34.95	Peak	231.00	200	Horizontal	Pass
1**	1534.200	29.43	-17.35	54.0	24.57	AV	231.00	200	Horizontal	Pass
2	4224.800	49.49	-4.97	74.0	24.51	Peak	57.00	200	Horizontal	Pass
2**	4224.800	39.93	-4.97	54.0	14.07	AV	57.00	200	Horizontal	Pass
3	5743.600	99.98	-2.14	--	--	Peak	127.00	150	Horizontal	N/A
3**	5743.600	91.20	-2.14	--	--	AV	127.00	150	Horizontal	N/A
4	7341.263	50.54	-3.42	74.0	23.46	Peak	325.00	400	Horizontal	Pass
4**	7341.263	40.70	-3.42	54.0	13.30	AV	325.00	400	Horizontal	Pass
5	12405.287	53.12	1.48	74.0	20.88	Peak	111.00	200	Horizontal	Pass
5**	12405.287	43.86	1.48	54.0	10.14	AV	111.00	200	Horizontal	Pass
6	16044.375	55.73	0.75	74.0	18.27	Peak	97.00	200	Horizontal	Pass
6**	16044.375	46.59	0.75	54.0	7.41	AV	97.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1611.500	38.55	-17.70	74.0	35.45	Peak	349.00	200	Vertical	Pass
1**	1611.500	29.19	-17.70	54.0	24.81	AV	349.00	200	Vertical	Pass
2	4355.800	50.00	-3.93	74.0	24.00	Peak	115.00	400	Vertical	Pass
2**	4355.800	40.94	-3.93	54.0	13.06	AV	115.00	400	Vertical	Pass
3	5749.200	102.12	-2.03	--	--	Peak	18.00	200	Vertical	N/A
3**	5749.200	94.74	-2.03	--	--	AV	18.00	200	Vertical	N/A
4	7389.562	49.68	-3.77	74.0	24.32	Peak	168.00	300	Vertical	Pass
4**	7389.562	40.19	-3.77	54.0	13.81	AV	168.00	300	Vertical	Pass
5	12277.638	52.96	1.72	74.0	21.04	Peak	317.00	150	Vertical	Pass
5**	12277.638	43.18	1.72	54.0	10.82	AV	317.00	150	Vertical	Pass
6	15661.650	56.63	1.29	74.0	17.37	Peak	360.00	100	Vertical	Pass
6**	15661.650	46.80	1.29	54.0	7.20	AV	360.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1457.600	38.54	-17.66	74.0	35.46	Peak	322.00	100	Horizontal	Pass
1**	1457.600	29.13	-17.66	54.0	24.87	AV	322.00	100	Horizontal	Pass
2	4383.200	49.44	-4.64	74.0	24.56	Peak	100.00	200	Horizontal	Pass
2**	4383.200	40.98	-4.64	54.0	13.02	AV	100.00	200	Horizontal	Pass
3	5788.000	99.44	-2.45	--	--	Peak	135.00	200	Horizontal	N/A
3**	5788.000	91.35	-2.45	--	--	AV	135.00	200	Horizontal	N/A
4	7409.400	49.88	-3.95	74.0	24.12	Peak	54.00	400	Horizontal	Pass
4**	7409.400	39.35	-3.95	54.0	14.65	AV	54.00	400	Horizontal	Pass
5	12287.412	52.87	1.72	74.0	21.13	Peak	168.00	200	Horizontal	Pass
5**	12287.412	44.03	1.72	54.0	9.97	AV	168.00	200	Horizontal	Pass
6	15824.400	55.92	1.67	74.0	18.08	Peak	97.00	200	Horizontal	Pass
6**	15824.400	46.21	1.67	54.0	7.79	AV	97.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1494.200	38.47	-17.63	74.0	35.53	Peak	263.00	400	Vertical	Pass
1**	1494.200	29.79	-17.63	54.0	24.21	AV	263.00	400	Vertical	Pass
2	4266.600	49.64	-4.78	74.0	24.36	Peak	143.00	400	Vertical	Pass
2**	4266.600	39.60	-4.78	54.0	14.40	AV	143.00	400	Vertical	Pass
3	5780.800	101.82	-1.77	--	--	Peak	10.00	200	Vertical	N/A
3**	5780.800	94.56	-1.77	--	--	AV	10.00	200	Vertical	N/A
4	7352.187	49.78	-3.53	74.0	24.22	Peak	15.00	300	Vertical	Pass
4**	7352.187	40.68	-3.53	54.0	13.32	AV	15.00	300	Vertical	Pass
5	12240.263	53.23	1.06	74.0	20.77	Peak	186.00	150	Vertical	Pass
5**	12240.263	43.69	1.06	54.0	10.31	AV	186.00	150	Vertical	Pass
6	15816.263	56.23	2.01	74.0	17.77	Peak	142.00	200	Vertical	Pass
6**	15816.263	47.20	2.01	54.0	6.80	AV	142.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1445.700	38.73	-17.20	74.0	35.27	Peak	347.00	400	Horizontal	Pass
1**	1445.700	29.73	-17.20	54.0	24.27	AV	347.00	400	Horizontal	Pass
2	4372.200	50.20	-4.38	74.0	23.80	Peak	351.00	200	Horizontal	Pass
2**	4372.200	40.61	-4.38	54.0	13.39	AV	351.00	200	Horizontal	Pass
3	5823.400	98.91	-2.20	--	--	Peak	124.00	100	Horizontal	N/A
3**	5823.400	89.99	-2.20	--	--	AV	124.00	100	Horizontal	N/A
4	7381.513	49.74	-3.80	74.0	24.26	Peak	91.00	200	Horizontal	Pass
4**	7381.513	40.57	-3.80	54.0	13.43	AV	91.00	200	Horizontal	Pass
5	12231.925	53.12	1.25	74.0	20.88	Peak	241.00	150	Horizontal	Pass
5**	12231.925	43.47	1.25	54.0	10.53	AV	241.00	150	Horizontal	Pass
6	16084.013	55.76	1.55	74.0	18.24	Peak	0.00	100	Horizontal	Pass
6**	16084.013	46.79	1.55	54.0	7.21	AV	0.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1605.500	38.45	-17.80	74.0	35.55	Peak	304.00	100	Vertical	Pass
1**	1605.500	28.61	-17.80	54.0	25.39	AV	304.00	100	Vertical	Pass
2	4233.400	49.91	-4.72	74.0	24.09	Peak	360.00	400	Vertical	Pass
2**	4233.400	39.98	-4.72	54.0	14.02	AV	360.00	400	Vertical	Pass
3	5829.800	100.80	-2.07	--	--	Peak	316.00	200	Vertical	N/A
3**	5829.800	93.70	-2.07	--	--	AV	316.00	200	Vertical	N/A
4	7339.825	50.04	-3.39	74.0	23.96	Peak	105.00	300	Vertical	Pass
4**	7339.825	40.98	-3.39	54.0	13.02	AV	105.00	300	Vertical	Pass
5	12281.950	52.82	1.79	74.0	21.18	Peak	265.00	100	Vertical	Pass
5**	12281.950	43.71	1.79	54.0	10.29	AV	265.00	100	Vertical	Pass
6	15812.850	55.94	2.11	74.0	18.06	Peak	300.00	200	Vertical	Pass
6**	15812.850	46.68	2.11	54.0	7.32	AV	300.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1556.500	38.75	-17.37	74.0	35.25	Peak	294.00	400	Horizontal	Pass
1**	1556.500	29.72	-17.37	54.0	24.28	AV	294.00	400	Horizontal	Pass
2	4360.400	50.75	-4.17	74.0	23.25	Peak	227.00	200	Horizontal	Pass
2**	4360.400	40.74	-4.17	54.0	13.26	AV	227.00	200	Horizontal	Pass
3	5741.600	99.31	-1.94	--	--	Peak	125.00	150	Horizontal	N/A
3**	5741.600	91.30	-1.94	--	--	AV	125.00	150	Horizontal	N/A
4	7674.187	49.78	-2.37	74.0	24.22	Peak	190.00	400	Horizontal	Pass
4**	7674.187	40.45	-2.37	54.0	13.55	AV	190.00	400	Horizontal	Pass
5	12279.363	53.61	1.78	74.0	20.39	Peak	68.00	100	Horizontal	Pass
5**	12279.363	43.83	1.78	54.0	10.17	AV	68.00	100	Horizontal	Pass
6	15836.213	55.29	1.45	74.0	18.71	Peak	135.00	400	Horizontal	Pass
6**	15836.213	46.05	1.45	54.0	7.95	AV	135.00	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)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1480.200	38.34	-17.61	74.0	35.66	Peak	215.00	100	Vertical	Pass
1**	1480.200	28.92	-17.61	54.0	25.08	AV	215.00	100	Vertical	Pass
2	4365.800	50.09	-4.26	74.0	23.91	Peak	44.00	300	Vertical	Pass
2**	4365.800	40.60	-4.26	54.0	13.40	AV	44.00	300	Vertical	Pass
3	5742.200	101.30	-1.96	--	--	Peak	21.00	200	Vertical	N/A
3**	5742.200	92.78	-1.96	--	--	AV	21.00	200	Vertical	N/A
4	7299.288	49.23	-2.77	74.0	24.77	Peak	86.00	200	Vertical	Pass
4**	7299.288	40.53	-2.77	54.0	13.47	AV	86.00	200	Vertical	Pass
5	12697.675	53.73	0.84	74.0	20.27	Peak	32.00	100	Vertical	Pass
5**	12697.675	43.50	0.84	54.0	10.50	AV	32.00	100	Vertical	Pass
6	15628.575	56.29	1.71	74.0	17.71	Peak	28.00	100	Vertical	Pass
6**	15628.575	46.32	1.71	54.0	7.68	AV	28.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1435.000	38.85	-17.50	74.0	35.15	Peak	179.00	100	Horizontal	Pass
1**	1435.000	29.05	-17.50	54.0	24.95	AV	179.00	100	Horizontal	Pass
2	4234.200	49.34	-4.75	74.0	24.66	Peak	351.00	400	Horizontal	Pass
2**	4234.200	39.31	-4.75	54.0	14.69	AV	351.00	400	Horizontal	Pass
3	5787.000	98.05	-2.34	--	--	Peak	125.00	200	Horizontal	N/A
3**	5787.000	90.56	-2.34	--	--	AV	125.00	200	Horizontal	N/A
4	7411.412	49.46	-3.84	74.0	24.54	Peak	360.00	400	Horizontal	Pass
4**	7411.412	41.50	-3.84	54.0	12.50	AV	360.00	400	Horizontal	Pass
5	12277.063	53.51	1.69	74.0	20.49	Peak	360.00	150	Horizontal	Pass
5**	12277.063	44.44	1.69	54.0	9.56	AV	360.00	150	Horizontal	Pass
6	15504.412	55.86	1.26	74.0	18.14	Peak	231.00	400	Horizontal	Pass
6**	15504.412	47.76	1.26	54.0	6.24	AV	231.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1613.300	38.72	-17.71	74.0	35.28	Peak	269.00	100	Vertical	Pass
1**	1613.300	29.10	-17.71	54.0	24.90	AV	269.00	100	Vertical	Pass
2	4278.800	49.80	-4.49	74.0	24.20	Peak	168.00	300	Vertical	Pass
2**	4278.800	40.58	-4.49	54.0	13.42	AV	168.00	300	Vertical	Pass
3	5782.400	100.64	-1.87	--	--	Peak	327.00	200	Vertical	N/A
3**	5782.400	93.82	-1.87	--	--	AV	327.00	200	Vertical	N/A
4	7348.738	49.64	-3.18	74.0	24.36	Peak	210.00	400	Vertical	Pass
4**	7348.738	40.57	-3.18	54.0	13.43	AV	210.00	400	Vertical	Pass
5	12406.725	52.99	1.47	74.0	21.01	Peak	132.00	200	Vertical	Pass
5**	12406.725	44.28	1.47	54.0	9.72	AV	132.00	200	Vertical	Pass
6	15507.299	56.24	1.35	74.0	17.76	Peak	66.00	300	Vertical	Pass
6**	15507.299	45.98	1.35	54.0	8.02	AV	66.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1490.900	39.06	-17.57	74.0	34.94	Peak	98.00	100	Horizontal	Pass
1**	1490.900	29.24	-17.57	54.0	24.76	AV	98.00	100	Horizontal	Pass
2	4382.400	49.33	-4.62	74.0	24.67	Peak	350.00	400	Horizontal	Pass
2**	4382.400	41.28	-4.62	54.0	12.72	AV	350.00	400	Horizontal	Pass
3	5827.000	97.90	-2.31	--	--	Peak	131.00	100	Horizontal	N/A
3**	5827.000	88.94	-2.31	--	--	AV	131.00	100	Horizontal	N/A
4	7319.413	49.85	-3.35	74.0	24.15	Peak	225.00	300	Horizontal	Pass
4**	7319.413	40.13	-3.35	54.0	13.87	AV	225.00	300	Horizontal	Pass
5	11462.000	53.03	-0.13	74.0	20.97	Peak	262.00	200	Horizontal	Pass
5**	11462.000	41.87	-0.13	54.0	12.13	AV	262.00	200	Horizontal	Pass
6	15827.287	55.77	1.57	74.0	18.23	Peak	0.00	300	Horizontal	Pass
6**	15827.287	46.70	1.57	54.0	7.30	AV	0.00	300	Horizontal	Pass

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

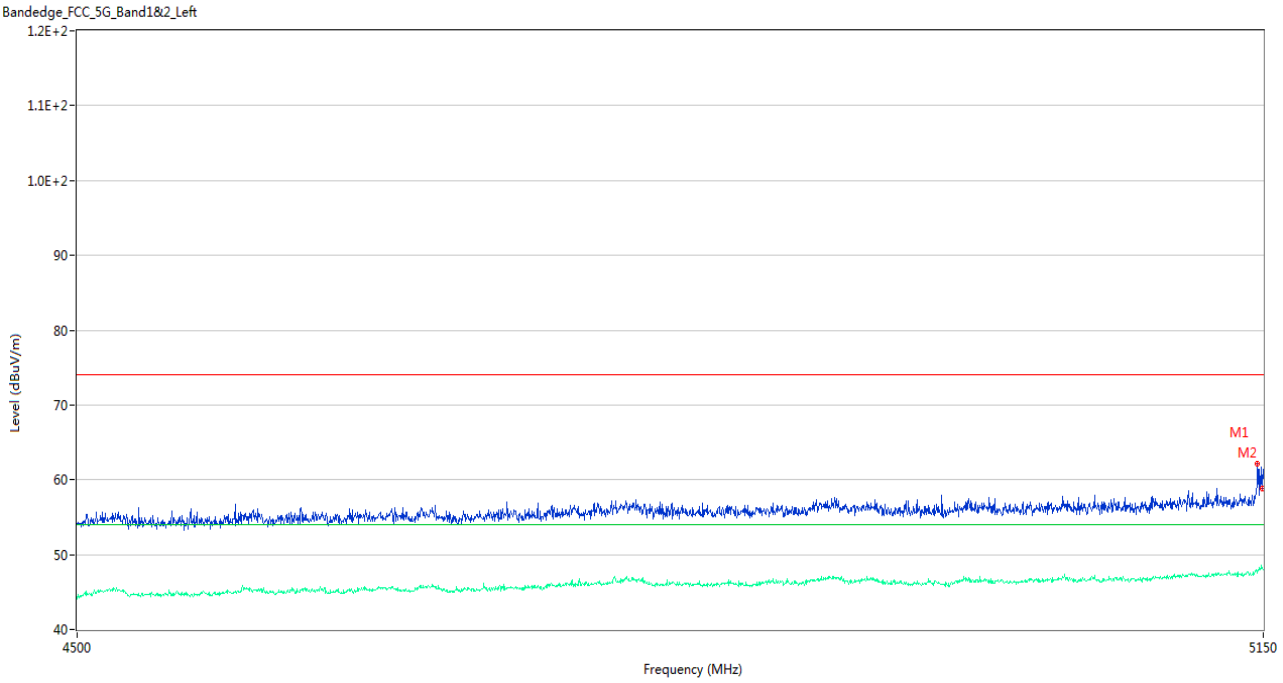
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1497.900	38.50	-17.52	74.0	35.50	Peak	324.00	100	Vertical	Pass
1**	1497.900	29.57	-17.52	54.0	24.43	AV	324.00	100	Vertical	Pass
2	4190.800	49.24	-4.71	74.0	24.76	Peak	220.00	200	Vertical	Pass
2**	4190.800	39.92	-4.71	54.0	14.08	AV	220.00	200	Vertical	Pass
3	5831.000	101.13	-2.05	--	--	Peak	1.00	100	Vertical	N/A
3**	5831.000	93.82	-2.05	--	--	AV	1.00	100	Vertical	N/A
4	7342.700	49.44	-3.37	74.0	24.56	Peak	96.00	200	Vertical	Pass
4**	7342.700	40.34	-3.37	54.0	13.66	AV	96.00	200	Vertical	Pass
5	11974.612	52.98	0.81	74.0	21.02	Peak	21.00	100	Vertical	Pass
5**	11974.612	42.94	0.81	54.0	11.06	AV	21.00	100	Vertical	Pass
6	15808.912	56.32	2.19	74.0	17.68	Peak	0.00	400	Vertical	Pass
6**	15808.912	46.57	2.19	54.0	7.43	AV	0.00	400	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

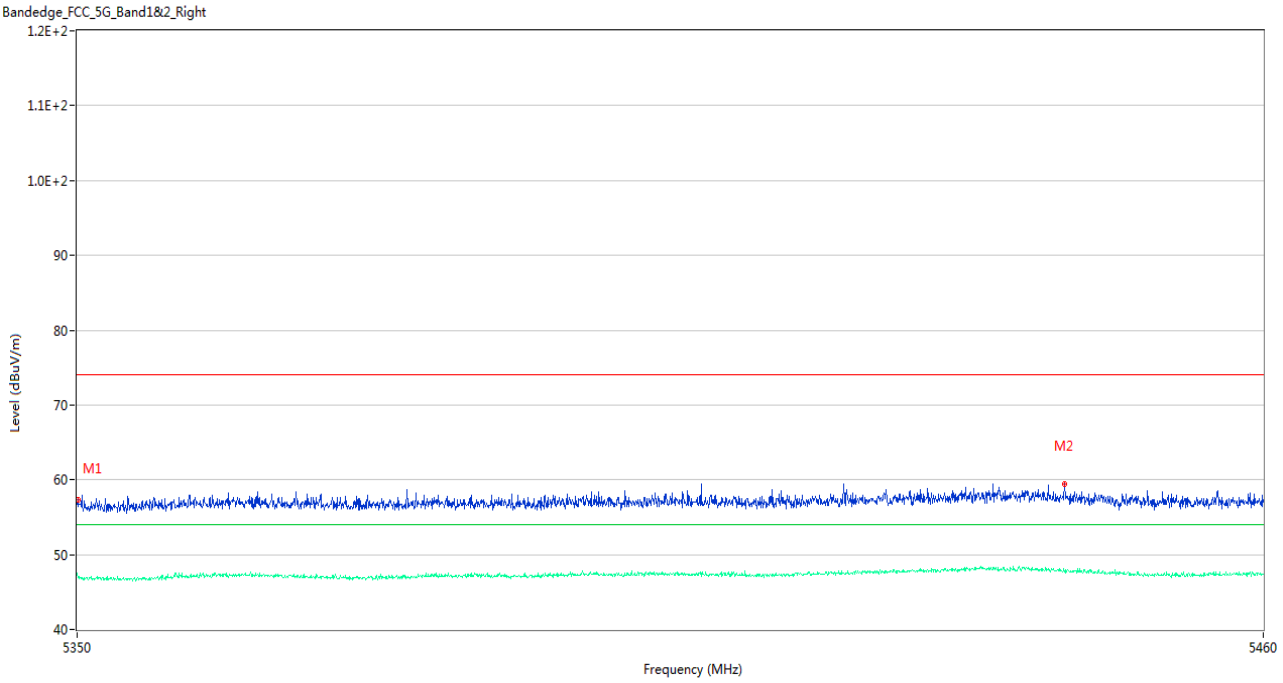
Test Data and Plots

U-NII-1 11a Low Channel



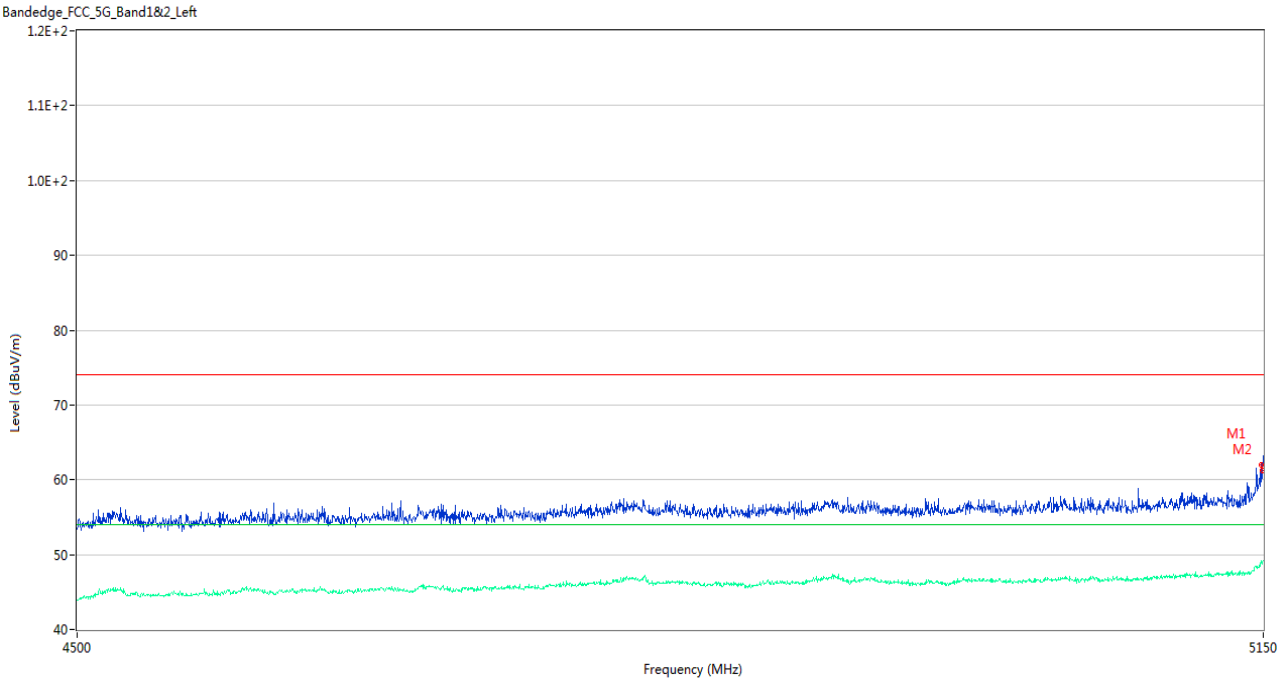
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5146.750	62.15	3.58	74.0	11.85	Peak	360.00	200	Horizontal	Pass
1**	5146.750	47.48	3.58	54.0	6.52	AV	360.00	200	Horizontal	Pass
2	5149.675	58.79	3.43	74.0	15.21	Peak	309.00	200	Horizontal	Pass
2**	5149.675	48.22	3.43	54.0	5.78	AV	309.00	200	Horizontal	Pass

U-NII-1 11a High Channel



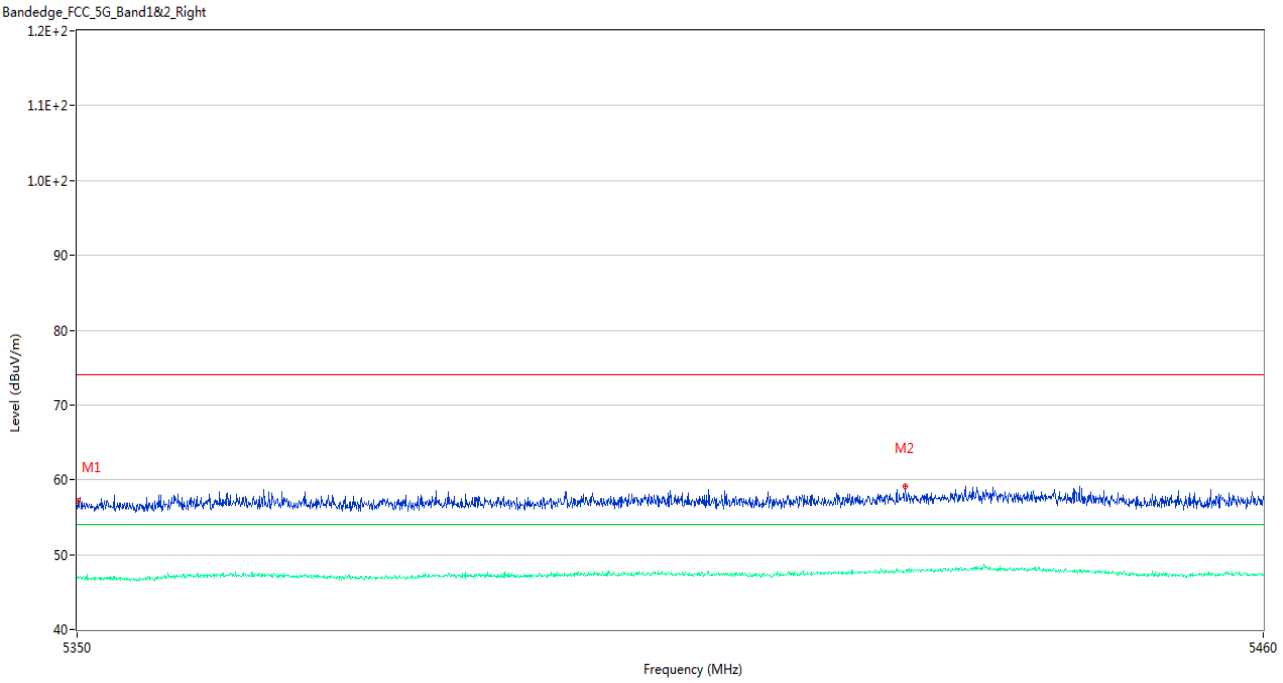
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	57.31	3.25	74.0	16.69	Peak	360.00	200	Horizontal	Pass
1**	5350.055	46.95	3.25	54.0	7.05	AV	360.00	200	Horizontal	Pass
2	5441.410	59.49	4.28	74.0	14.51	Peak	50.00	100	Horizontal	Pass
2**	5441.410	47.67	4.28	54.0	6.33	AV	50.00	100	Horizontal	Pass

U-NII-1 11n20 Low Channel



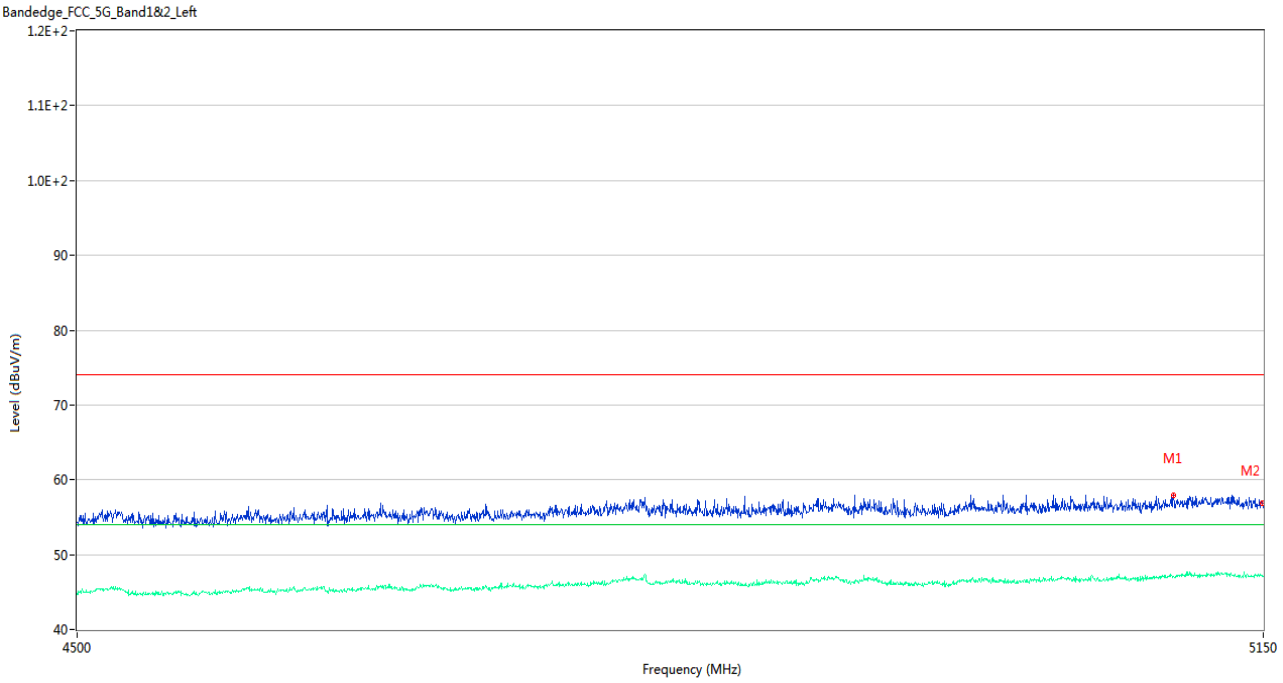
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5148.700	62.06	3.49	74.0	11.94	Peak	60.00	150	Horizontal	Pass
1**	5148.700	48.87	3.49	54.0	5.13	AV	60.00	150	Horizontal	Pass
2	5149.675	61.24	3.43	74.0	12.76	Peak	352.00	100	Horizontal	Pass
2**	5149.675	48.95	3.43	54.0	5.05	AV	352.00	100	Horizontal	Pass

U-NII-1 11n20 High Channel



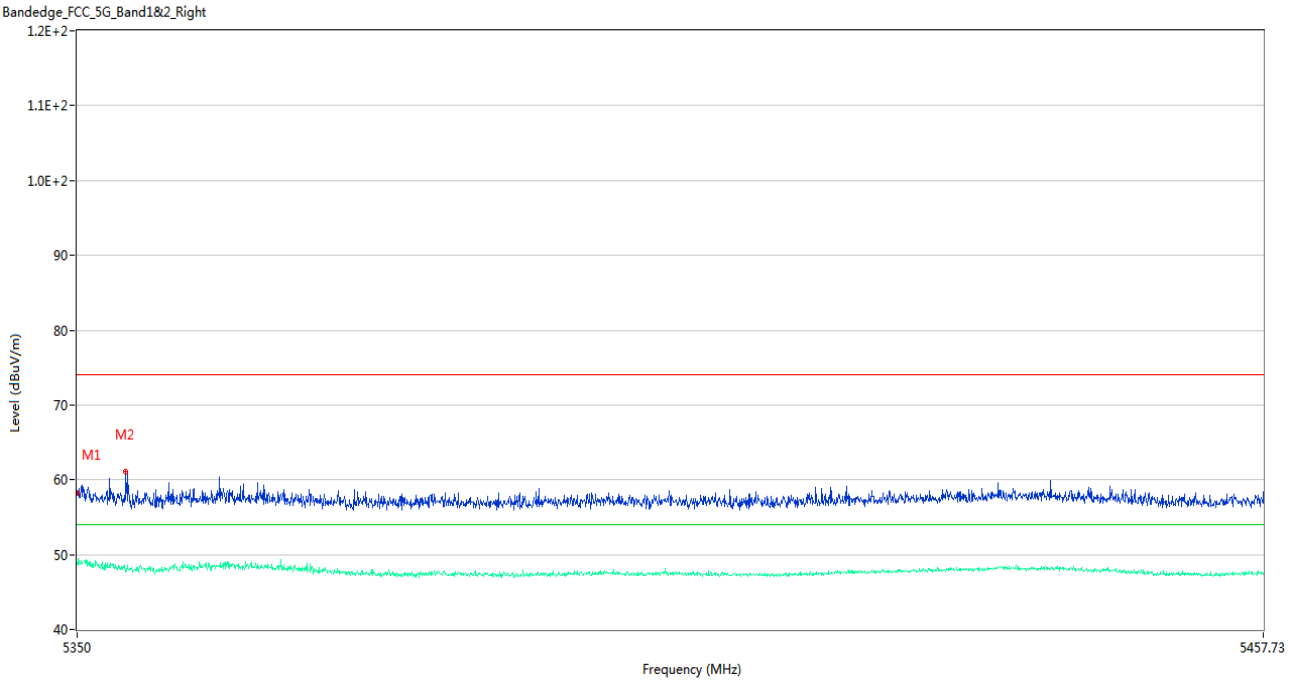
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	57.13	3.25	74.0	16.87	Peak	200.00	100	Horizontal	Pass
1**	5350.055	46.83	3.25	54.0	7.17	AV	200.00	100	Horizontal	Pass
2	5426.560	59.19	3.95	74.0	14.81	Peak	239.00	200	Horizontal	Pass
2**	5426.560	47.76	3.95	54.0	6.24	AV	239.00	200	Horizontal	Pass

U-NII-2A 11a Low Channel



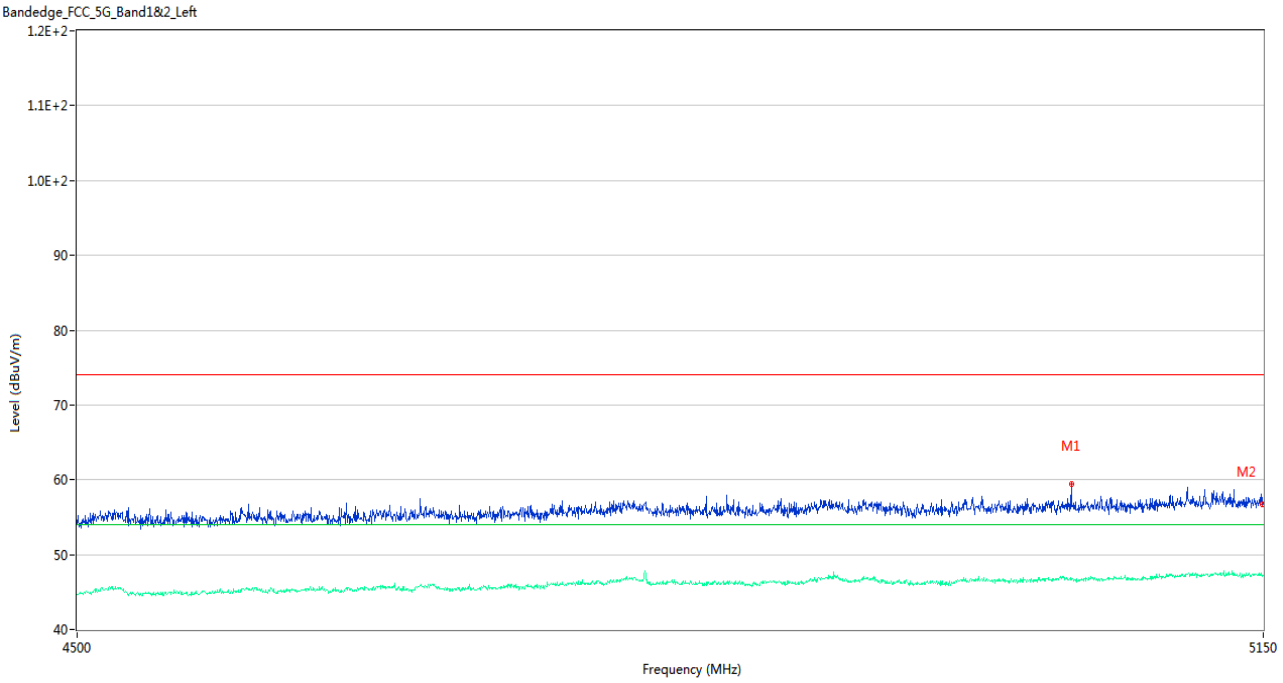
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5097.675	57.90	3.66	74.0	16.10	Peak	147.00	200	Horizontal	Pass
1**	5097.675	47.06	3.66	54.0	6.94	AV	147.00	200	Horizontal	Pass
2	5149.675	56.89	3.43	74.0	17.11	Peak	139.00	200	Horizontal	Pass
2**	5149.675	47.07	3.43	54.0	6.93	AV	139.00	200	Horizontal	Pass

U-NII-2A 11a High Channel



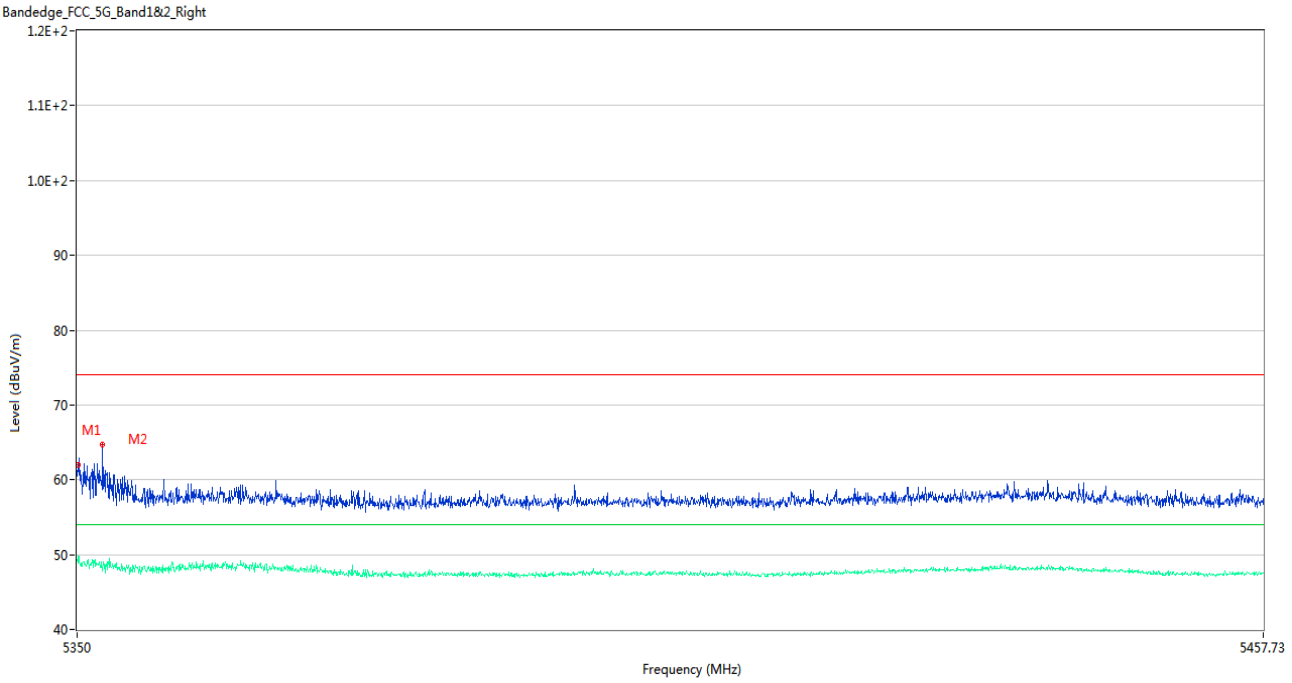
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	58.28	3.26	74.0	15.72	Peak	79.00	200	Horizontal	Pass
1**	5350.000	48.96	3.26	54.0	5.04	AV	79.00	200	Horizontal	Pass
2	5354.400	61.08	3.30	74.0	12.92	Peak	119.00	200	Horizontal	Pass
2**	5354.400	47.91	3.30	54.0	6.09	AV	119.00	200	Horizontal	Pass

U-NII-2A 11n20 Low Channel



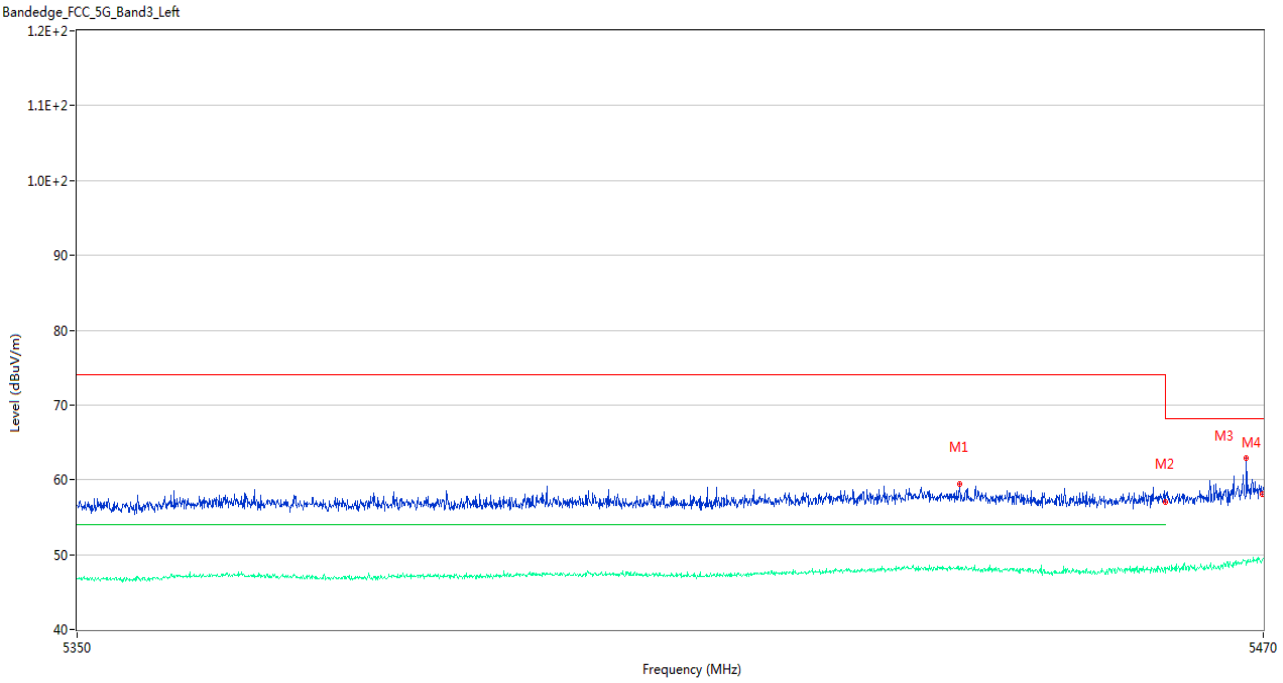
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5038.850	59.49	3.04	74.0	14.51	Peak	340.00	100	Horizontal	Pass
1**	5038.850	46.56	3.04	54.0	7.44	AV	340.00	100	Horizontal	Pass
2	5149.675	56.67	3.43	74.0	17.33	Peak	86.00	150	Horizontal	Pass
2**	5149.675	47.06	3.43	54.0	6.94	AV	86.00	150	Horizontal	Pass

U-NII-2A 11n20 High Channel



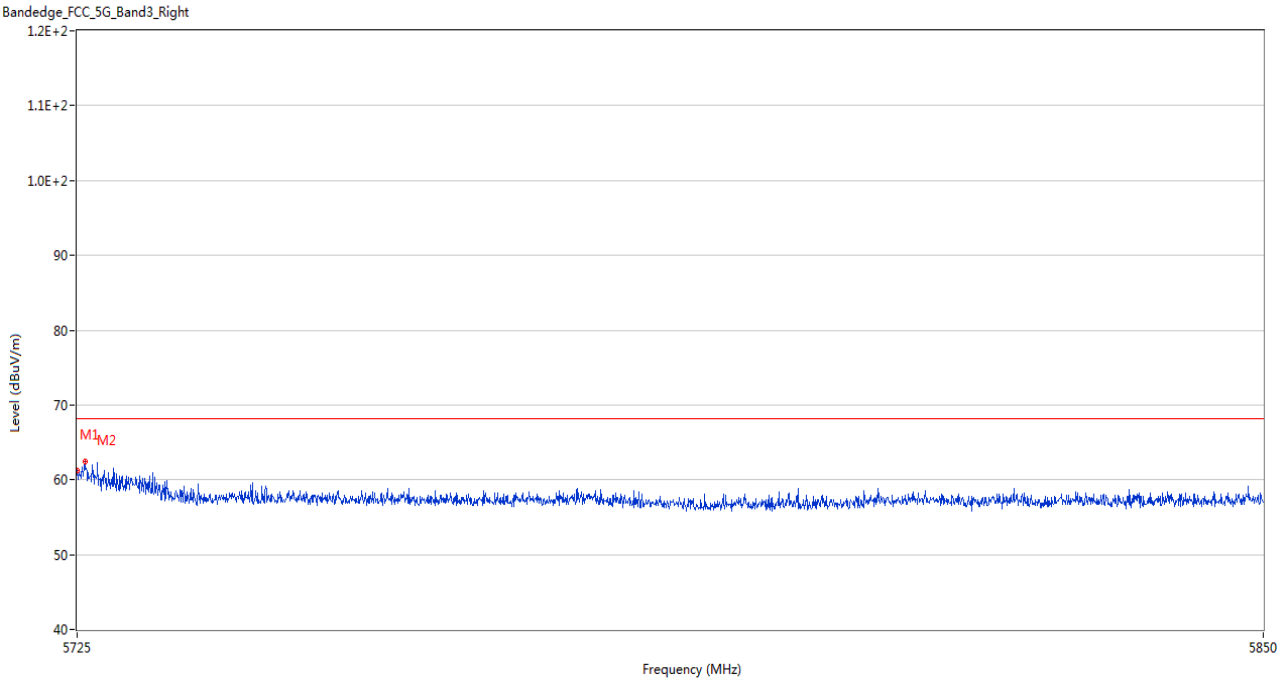
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	62.04	3.25	74.0	11.96	Peak	119.00	100	Horizontal	Pass
1**	5350.055	48.86	3.25	54.0	5.14	AV	119.00	100	Horizontal	Pass
2	5352.310	64.76	3.30	74.0	9.24	Peak	119.00	100	Horizontal	Pass
2**	5352.310	48.04	3.30	54.0	5.96	AV	119.00	100	Horizontal	Pass

U-NII-2C 11a Low Channel



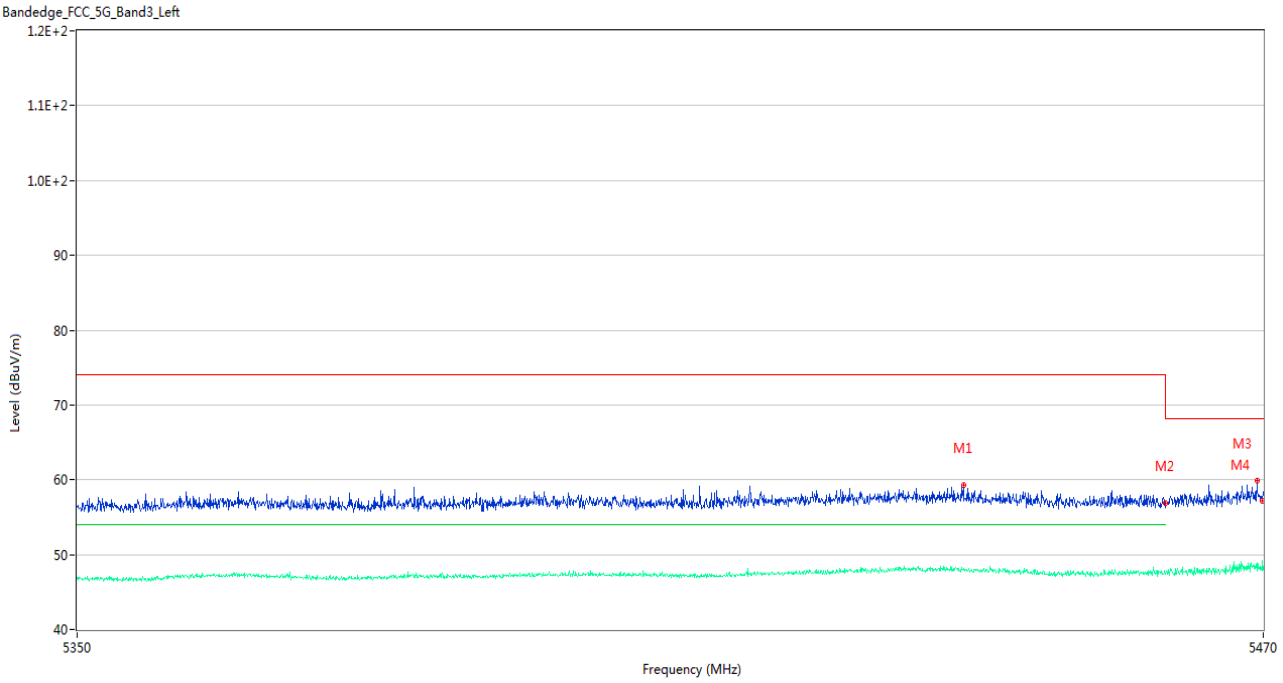
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5439.040	59.47	4.42	74.0	14.53	Peak	142.00	100	Horizontal	Pass
1**	5439.040	48.02	4.42	54.0	5.98	AV	142.00	100	Horizontal	Pass
2	5459.980	57.08	4.10	74.0	16.92	Peak	102.00	200	Horizontal	Pass
2**	5459.980	47.59	4.10	54.0	6.41	AV	102.00	200	Horizontal	Pass
3	5468.260	62.93	4.12	68.2	5.27	Peak	102.00	200	Horizontal	Pass
3**	5468.260	48.62	4.12	--	--	AV	102.00	200	Horizontal	N/A
4	5469.940	58.05	4.06	68.2	10.15	Peak	105.00	200	Horizontal	Pass
4**	5469.940	49.25	4.06	--	--	AV	105.00	200	Horizontal	N/A

U-NII-2C 11a High Channel



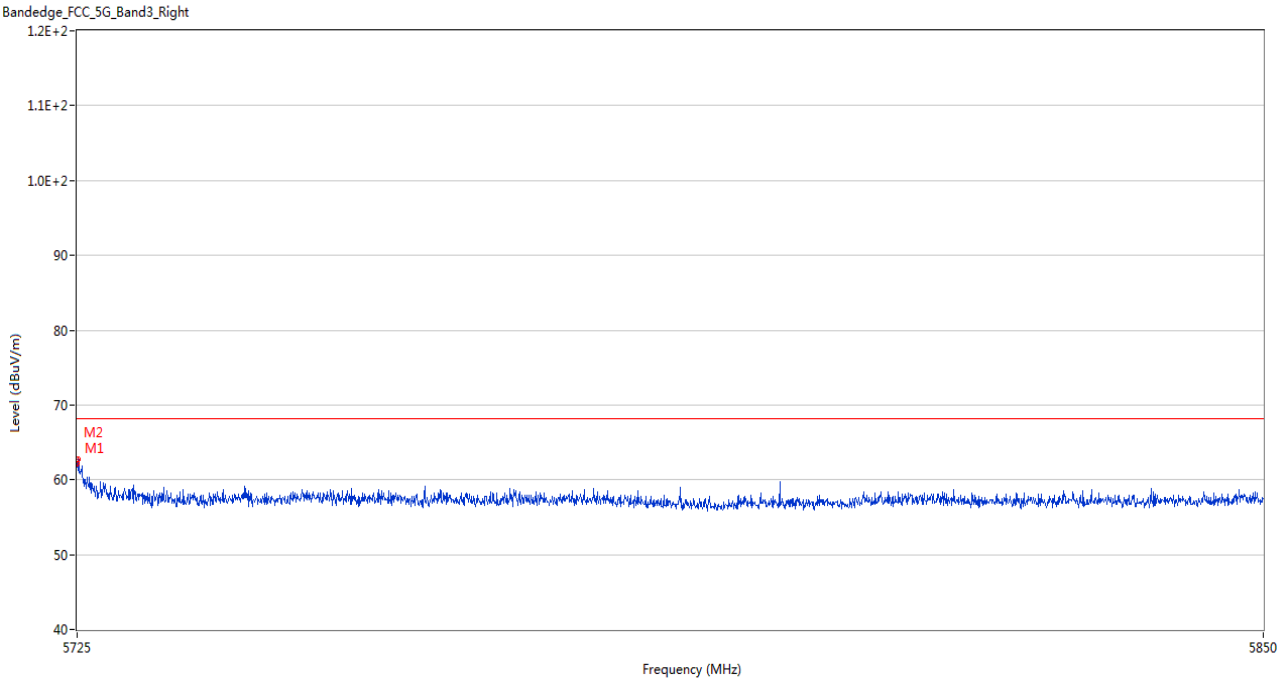
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	61.19	4.12	68.2	7.01	Peak	13.00	200	Horizontal	Pass
2	5725.813	62.45	4.12	68.2	5.75	Peak	12.00	150	Horizontal	Pass

U-NII-2C 11n20 Low Channel



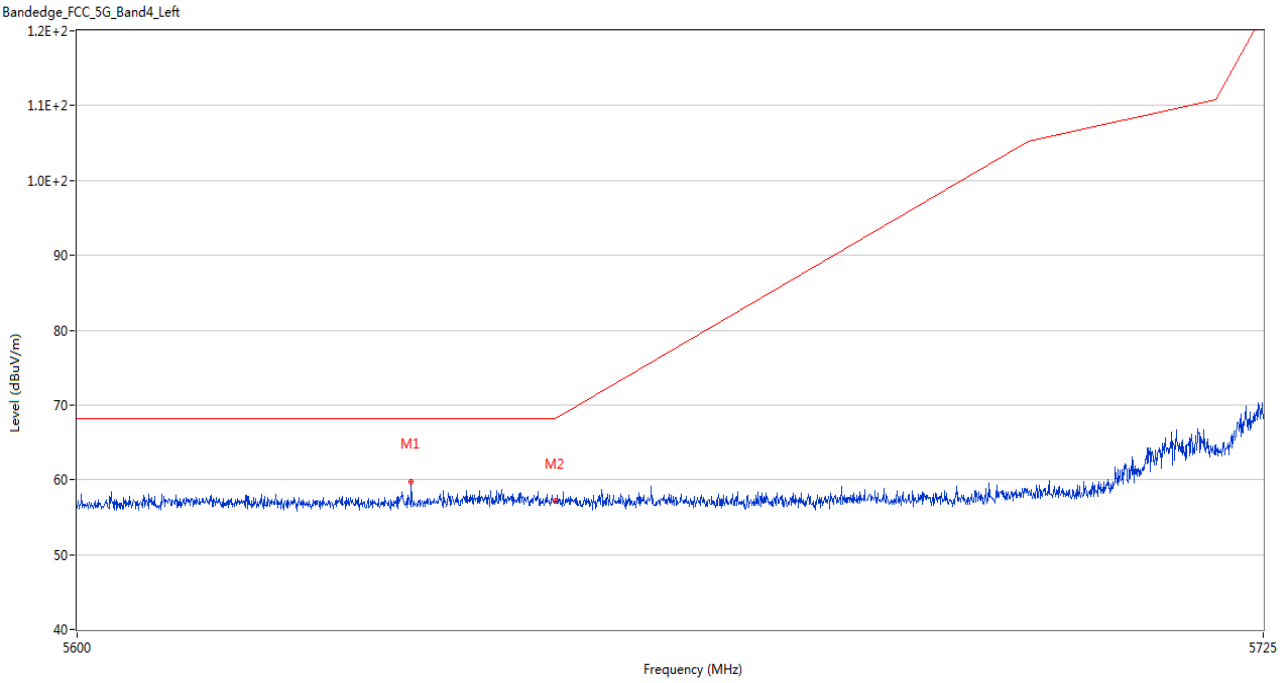
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5439.400	59.24	4.40	74.0	14.76	Peak	27.00	150	Horizontal	Pass
1**	5439.400	48.07	4.40	54.0	5.93	AV	27.00	150	Horizontal	Pass
2	5459.980	56.91	4.10	74.0	17.09	Peak	149.00	200	Horizontal	Pass
2**	5459.980	47.42	4.10	54.0	6.58	AV	149.00	200	Horizontal	Pass
3	5469.340	59.82	4.08	68.2	8.38	Peak	91.00	100	Horizontal	Pass
3**	5469.340	47.82	4.08	--	--	AV	91.00	100	Horizontal	N/A
4	5469.940	57.15	4.06	68.2	11.05	Peak	49.00	200	Horizontal	Pass
4**	5469.940	49.15	4.06	--	--	AV	49.00	200	Horizontal	N/A

U-NII-2C 11n20 High Channel



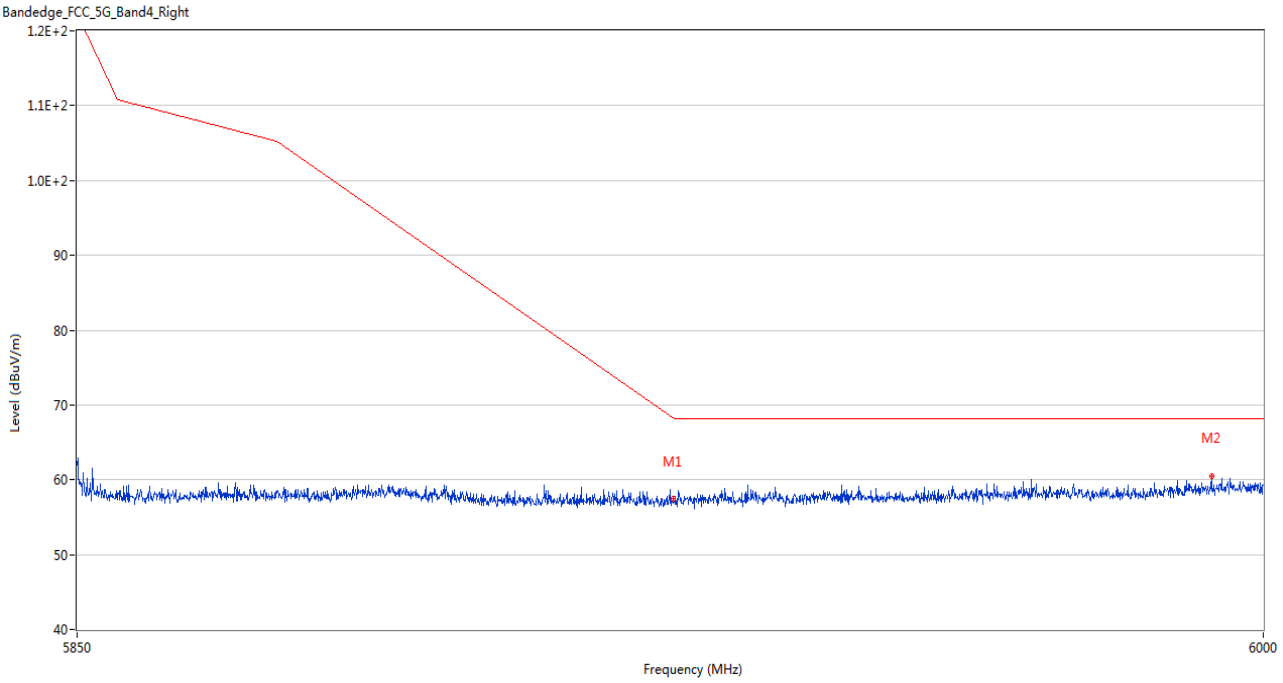
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	62.15	4.12	68.2	6.05	Peak	153.00	150	Horizontal	Pass
2	5725.125	62.72	4.12	68.2	5.48	Peak	115.00	200	Horizontal	Pass

U-NII-3 11a Low Channel



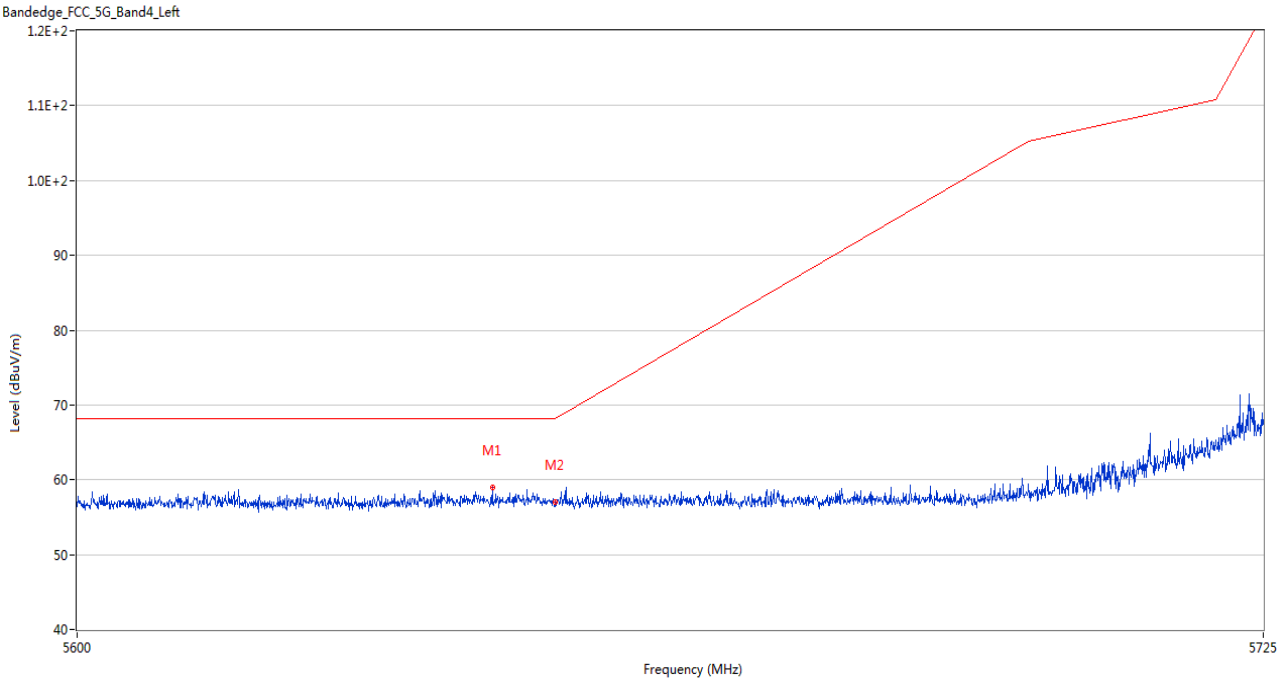
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5634.937	59.79	3.50	68.2	8.41	Peak	50.00	100	Horizontal	Pass
2	5650.000	57.19	3.83	68.2	11.01	Peak	237.00	100	Horizontal	Pass

U-NII-3 11a High Channel



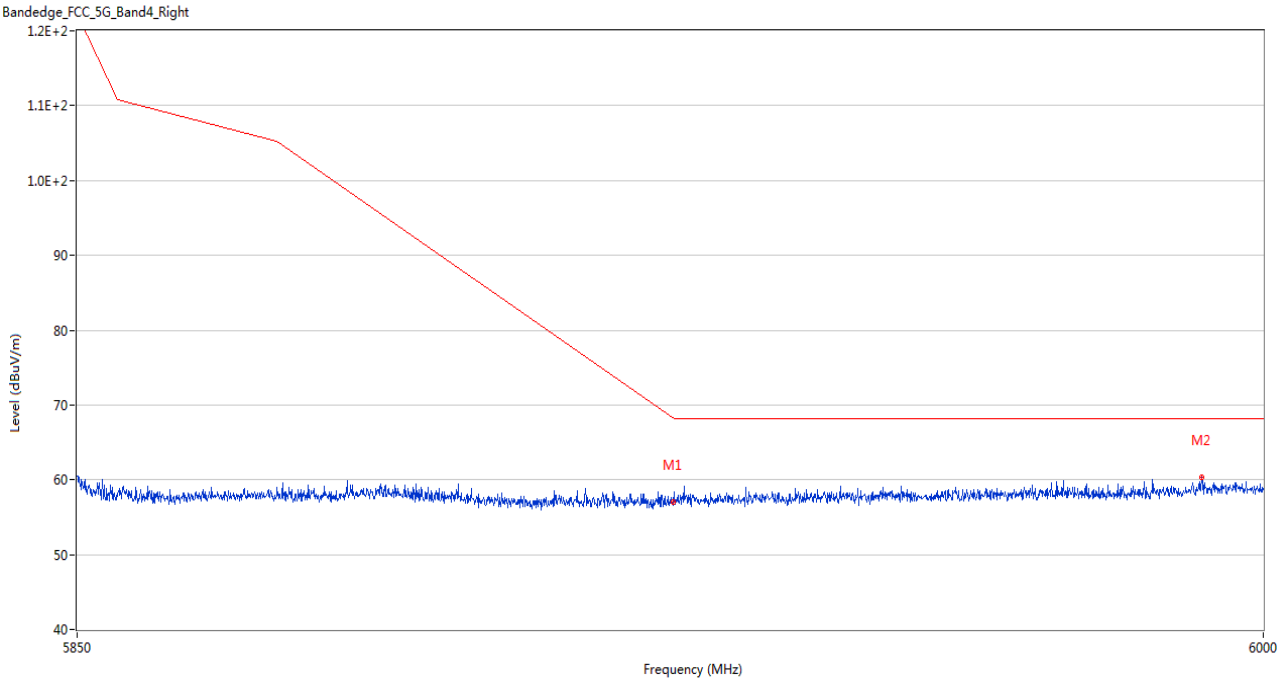
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	57.52	3.64	68.3	10.78	Peak	207.00	150	Horizontal	Pass
2	5993.400	60.55	5.44	68.2	7.65	Peak	115.00	150	Horizontal	Pass

U-NII-3 11n20 Low Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5643.438	58.98	3.87	68.2	9.22	Peak	281.00	200	Horizontal	Pass
2	5650.000	56.96	3.83	68.2	11.24	Peak	309.00	100	Horizontal	Pass

U-NII-3 11n20 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	57.04	3.64	68.3	11.26	Peak	277.00	200	Horizontal	Pass
2	5992.125	60.29	5.25	68.2	7.91	Peak	268.00	150	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2390637-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2390637-AW-1.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2390637-AI-1.PDF”.

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--END OF REPORT--