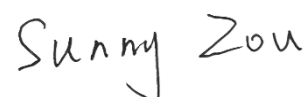
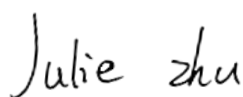


TEST REPORT

Applicant: TAG Heuer, branch of LVMH Swiss Manufactures SA
Address: 6A rue Louis-Joseph Chevrolet, 2300 La Chaux-de-Fonds, Switzerland
Equipment Type: Smart Watch
Model Name: SBT80
Brand Name: TAG HEUER
FCC ID: 2AUP8SBT80
ISED Number: 25510-SBT80
Test Standard: 47 CFR Part 15 Subpart E
RSS-Gen Issue 5
RSS-247 Issue 3
(refer to section 3.1)
Sample Arrival Date: Mar. 20, 2024
Test Date: Mar. 26, 2024 - Apr. 07, 2024
Date of Issue: Apr. 02, 2025

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Julie Zhu**Checked by:** Ye Hongji**Approved by:** Sunny Zou
(Technical Director)

Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Aug. 22, 2024</u>	<u>Initial Issue</u>
<u>Rev. 02</u>	<u>Apr. 02, 2025</u>	<u>Update Section 2.4 Technical Information</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

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

1.2 Test Location

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

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	TAG Heuer, branch of LVMH Swiss Manufactures SA
Address	6A rue Louis-Joseph Chevrolet, 2300 La Chaux-de-Fonds, Switzerland

2.2 Manufacturer Information

Manufacturer	TAG Heuer, branch of LVMH Swiss Manufactures SA
Address	6A rue Louis-Joseph Chevrolet, 2300 La Chaux-de-Fonds, Switzerland

2.3 General Description for Equipment under Test (EUT)

EUT Name	Smart Watch
Model Name Under Test	SBT80
Series Model Name	N/A
Description of Model name differentiation	N/A
Serial Number	GRRO825
Hardware Version	LTAM880
Software Version	1.6.1
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	Bluetooth (BR+EDR+BLE) WIFI 802.11a 802.11b, 802.11g, 802.11n(HT20) GPS, GLONASS, BDS, GLA, QZSS, NFC
-----------------------------------	---

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

Frequency Range	U-NII-1: 5150 MHz to 5250 MHz, U-NII-2A: 5250 MHz to 5350 MHz, U-NII-2C: 5470 MHz to 5725 MHz, U-NII-3: 5725 MHz to 5850 MHz
Product Type	☐ Mobile ☒ Portable ☐ Fix Location Indoor for IC standard
Modulation technology	OFDM
Modulation Type	64QAM, 16QAM, BPSK, QPSK
Transfer Rate (Mbps) (Single RF path)	802.11a: 54/ 48/ 36/ 24/ 18/ 12/ 9/ 6 Mbps 802.11n: up to 150 Mbps
Channel Bandwidth	802.11a: 20 MHz 802.11n: 20 MHz
Maximum Output Power	U-NII-1: 69.18 mW U-NII-2A: 63.53 mW U-NII-2C: 82.04 mW U-NII-3: 67.92 mW
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	IFA Antenna
Antenna Gain	U-NII-1: 5150 MHz to 5250 MHz: -5.29 dBi U-NII-2A: 5250 MHz to 5350 MHz: -5.58 dBi U-NII-2C: 5470 MHz to 5725 MHz: -7.16 dBi U-NII-3: 5725 MHz to 5850 MHz: -8.75 dBi
About the Product	The equipment is Smart 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	144	--	5720
116	Mid	5580	149	Low	5745
140	High	5700	157	Mid	5785
144	--	5720	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	53% to 68%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+21.8°C to +25.6°C
	LT (Low Temperature)	-20.0°C
	HT (High Temperature)	+50.0°C
Working Voltage of the EUT	NV (Normal Voltage)	3.87 V
	LV (Low Voltage)	3.50 V
	HV (High Voltage)	4.45 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	KEYSIGHT	N9020A	MY50330200	2023.05.16	2024.05.15
Spectrum Analyzer	KEYSIGHT	N9020A	MY46471071	2023.07.25	2024.07.24
Spectrum Analyzer	KEYSIGHT	N9020A	MY50531259	2023.09.05	2024.09.04
Signaling Unit	ROHDE&SCHWARZ	CMW500	171150	2023.06.19	2024.06.18
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	02460	2021.05.20	2024.05.19
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2021.07.02	2024.07.01
Anechoic Chamber	RAINFORD	9m*6m*6m	140	2022.02.19	2024.08.15
Amplifier	COM-MV	LSCX_LNA1-12G-01	7210214	2023.09.05	2024.09.04
Amplifier	COM-MV	XKu_LNA7-18G-01	7210209	2023.09.05	2024.09.04
Amplifier	COM-MV	KA LNA18 40G-01	18050001	2023.12.06	2024.12.05
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2023.09.05	2024.09.04
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9168	9168-01162	2023.08.04	2024.08.03
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2024.01.23	2027.01.22
Amplifier	COM-MV	ZT30-1000M	B2018054558	2023.12.05	2024.12.04
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60*7.35m	130	2021.08.15	2024.08.14
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2023.09.05	2024.09.04
LISN	SCHWARZBECK	NSLK 8127	8127-687	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
EMI Receiver	Agilent	N9038A	MY55330120	2023.09.05	2024.09.04
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9168	9168-00867	2022.04.12	2025.04.11
Amplifier	COM-MV	ZT30-1000M	B2017119081	2023.12.05	2024.12.04

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Anechoic Chamber	YiHeng	9m*6m*6m	142	2021.08.19	2024.08.18

4.3 Test Software List

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

4.4 Measurement Uncertainty

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

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

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

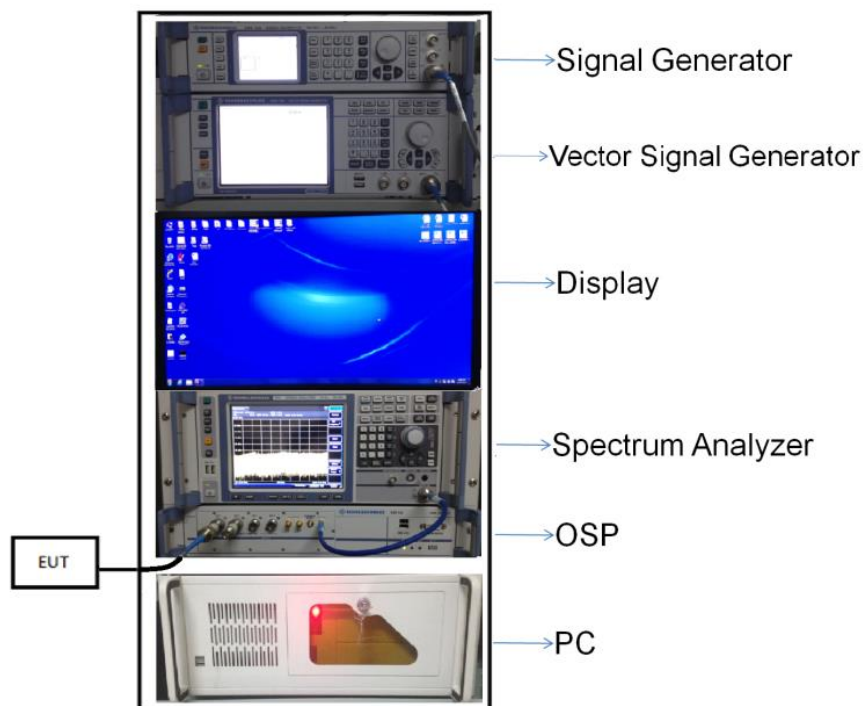
4.5 Description of Test Setup

4.5.1 For Antenna Port Test

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

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

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



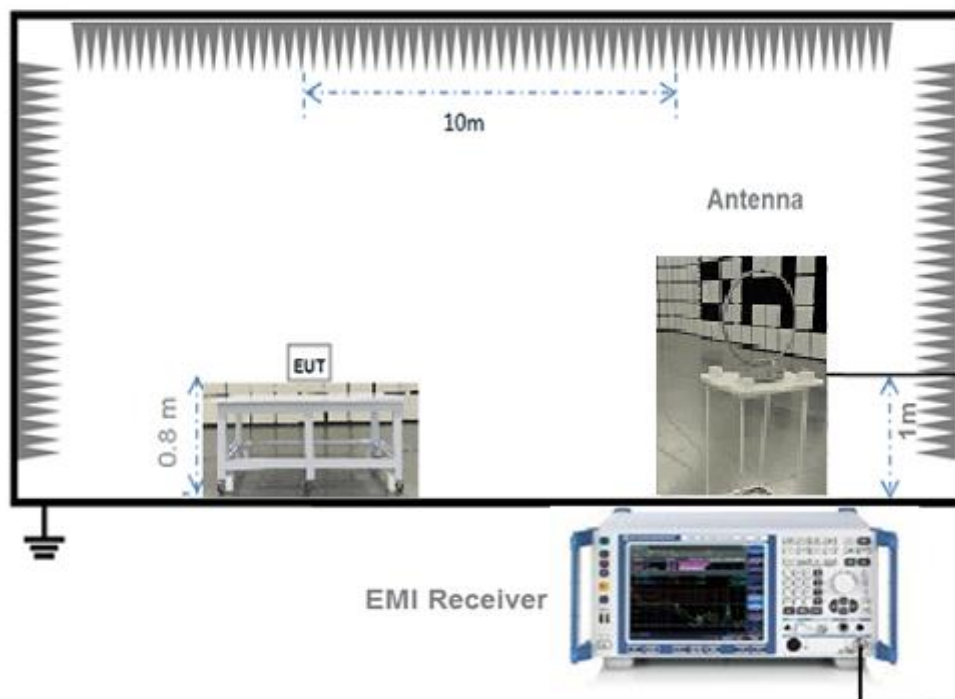
(Diagram 1)

4.5.2 For AC Power Supply Port Test



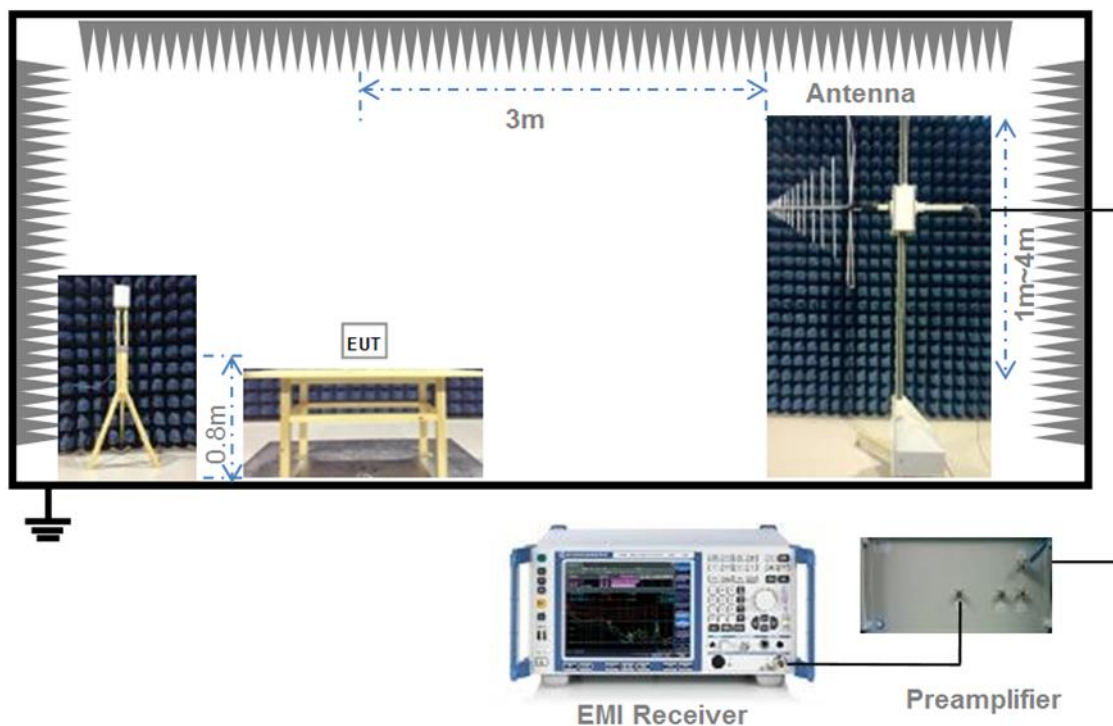
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



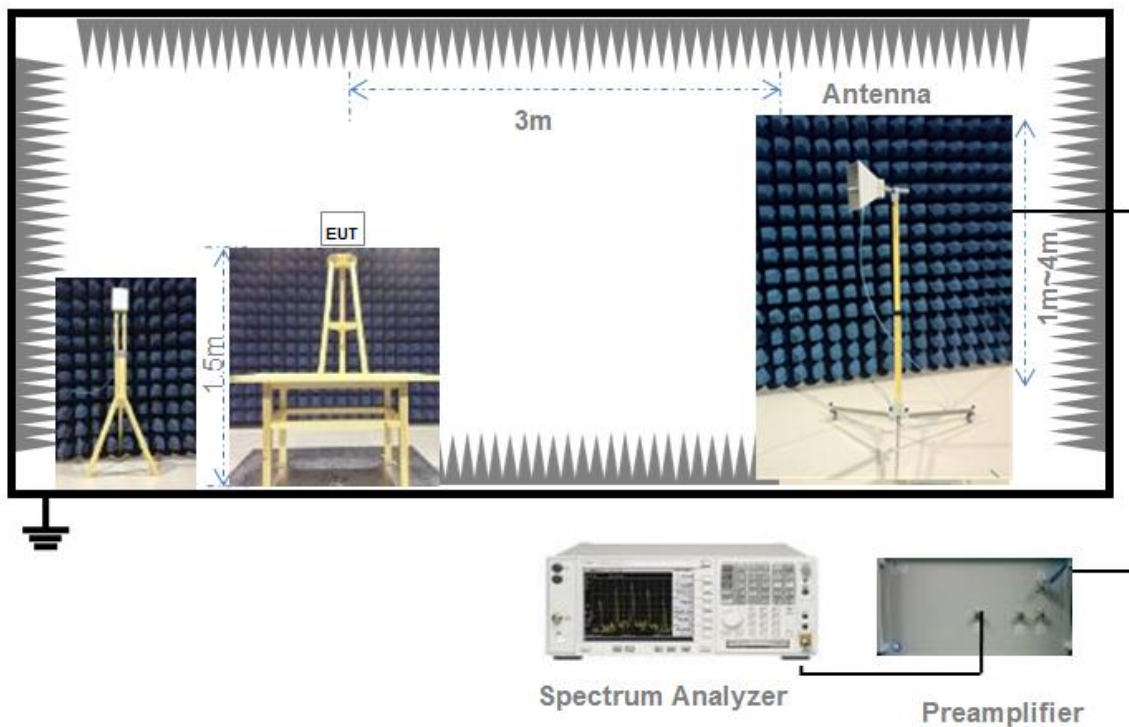
(Diagram 3)

4.5.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.5.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

5 TEST ITEMS

5.1 RF Output Power

5.1.1 Test Limit

FCC §15.407(a)

The maximum conducted output power should not exceed:

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

RSS-247, 6.2

The maximum conducted output power shall not exceed:

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

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

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

5.1.2 Test Setup

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

5.1.3 Test Procedure

Maximum conducted (average) output power

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

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

at least a factor of five.

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

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

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

Measurements of duty cycle

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

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

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

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

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

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

5.1.4 Test Result

Please refer to ANNEX A.1.

5.2 Emission Bandwidth and 6 dB Bandwidth

5.2.1 Limit

FCC §15.407(a), RSS-247, 6.2

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

5.2.2 Test Setup

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

5.2.3 Test Procedure

Emission bandwidth

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

Occupied Bandwidth

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

6 dB bandwidth

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

5.2.4 Test Result

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

5.3 Power Spectral density (PSD)

5.3.1 Limit

FCC §15.407(a)

The maximum power spectral density should not exceed:

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

RSS-247, 6.2

The maximum power spectral density should not exceed:

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

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

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

5.3.2 Test Setup

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

5.3.3 Test Procedure

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

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

5.3.4 Test Result

Please refer to ANNEX A.4.

5.4 Conducted Emission

5.4.1 Limit

FCC §15.207, RSS-GEN, 8.8

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

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

5.4.2 Test Setup

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

5.4.3 Test Procedure

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

5.4.4 Test Result

Please refer to ANNEX A.5.

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

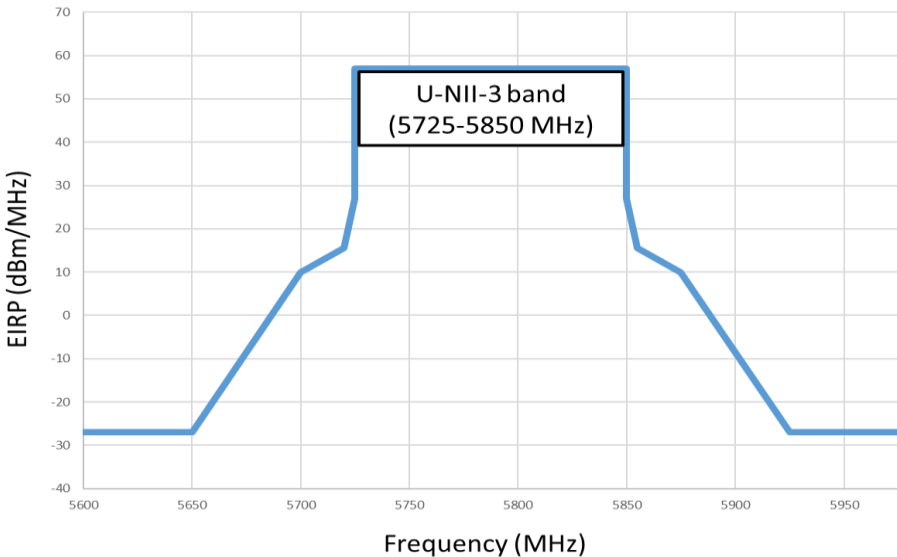
5.5.1 Limit

FCC §15.209 & 15.407(b), RSS-247, 6.2

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

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

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

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

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

5.5.2 Test Setup

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

5.5.3 Test Procedure

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

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

General Procedure for conducted measurements in restricted bands

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

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

where:

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

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

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

Quasi-Peak measurement procedure

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

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

emission limits using a peak detector.

Peak power measurement procedure

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

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

Table 1—RBW as a function of frequency

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

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

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

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

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

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

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

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

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

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

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

Determining the applicable transmit antenna gain

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

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

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

Radiated spurious emission test

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

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

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

The power of the EUT transmitting frequency should be ignored.

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

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

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

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

5.5.4 Test Result

Please refer to ANNEX A.6.

ANNEX A TEST RESULT

A.1 RF Output Power

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

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

Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle	Duty Factor
11a	2.20	2.24	98.21%	0.08
11n (HT20)	2.05	2.09	98.08%	0.08

Test Data

Conducted Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	16.70	46.77	250	Pass
11a	CH44	17.68	58.61	250	Pass
11a	CH48	18.40	69.18	250	Pass
11n (HT20)	CH36	17.08	51.05	250	Pass
11n (HT20)	CH44	18.06	63.97	250	Pass
11n (HT20)	CH48	18.38	68.87	250	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH52	17.98	62.81	250	Pass
11a	CH60	17.65	58.21	250	Pass
11a	CH64	17.75	59.57	250	Pass
11n (HT20)	CH52	17.88	61.38	250	Pass
11n (HT20)	CH60	18.03	63.53	250	Pass
11n (HT20)	CH64	17.65	58.21	250	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH100	17.71	59.02	250	Pass
11a	CH116	19.14	82.04	250	Pass
11a	CH140	19.10	81.28	250	Pass
11n (HT20)	CH100	17.74	59.43	250	Pass
11n (HT20)	CH116	18.66	73.45	250	Pass
11n (HT20)	CH140	19.10	81.28	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	17.67	58.48	1000	Pass
11a	CH157	18.32	67.92	1000	Pass
11a	CH165	18.26	66.99	1000	Pass
11n (HT20)	CH149	17.53	56.62	1000	Pass
11n (HT20)	CH157	18.29	67.45	1000	Pass
11n (HT20)	CH165	18.16	65.46	1000	Pass

U-NII-2C straddle channel					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH144	18.35	68.39	203	Pass
11n (HT20)	CH144	18.20	66.07	205	Pass

U-NII-3 straddle channel					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH144	10.78	11.97	1000	Pass
11n (HT20)	CH144	11.34	13.61	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	11.41	13.84	166	Pass
11a	CH44	12.39	17.34	166	Pass
11a	CH48	13.11	20.46	166	Pass
11n (HT20)	CH36	11.79	15.10	177	Pass
11n (HT20)	CH44	12.77	18.92	177	Pass
11n (HT20)	CH48	13.09	20.37	177	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	12.40	17.38	834	Pass
11a	CH60	12.07	16.11	833	Pass
11a	CH64	12.17	16.48	833	Pass
11n (HT20)	CH52	12.30	16.98	886	Pass
11n (HT20)	CH60	12.45	17.58	886	Pass
11n (HT20)	CH64	12.07	16.11	885	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	10.55	11.35	832	Pass
11a	CH116	11.98	15.78	834	Pass
11a	CH140	11.94	15.63	833	Pass
11n (HT20)	CH100	10.58	11.43	886	Pass
11n (HT20)	CH116	11.50	14.13	885	Pass
11n (HT20)	CH140	11.94	15.63	887	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict	
11a	CH149	8.92	7.80	Pass	
11a	CH157	9.57	9.06	Pass	
11a	CH165	9.51	8.93	Pass	
11n (HT20)	CH149	8.78	7.55	Pass	
11n (HT20)	CH157	9.54	8.99	Pass	
11n (HT20)	CH165	9.41	8.73	Pass	

U-NII-2C straddle channel					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH144	11.19	13.15	672	Pass
11n (HT20)	CH144	11.04	12.71	697	Pass

U-NII-3 straddle channel				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH144	2.03	1.60	Pass
11n (HT20)	CH144	2.59	1.82	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ2430976-604 Data Part 1.pdf".

Test Data

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	22.07	16.61
11a	CH44	22.02	16.62
11a	CH48	22.17	16.64
11n (HT20)	CH36	22.10	17.66
11n (HT20)	CH44	22.45	17.70
11n (HT20)	CH48	22.67	17.72

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	22.07	16.64
11a	CH60	21.93	16.62
11a	CH64	21.92	16.63
11n (HT20)	CH52	22.18	17.68
11n (HT20)	CH60	22.02	17.68
11n (HT20)	CH64	22.11	17.66

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	21.97	16.61
11a	CH116	21.82	16.64
11a	CH140	22.00	16.63
11n (HT20)	CH100	22.21	17.68
11n (HT20)	CH116	22.26	17.67
11n (HT20)	CH140	22.19	17.70

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	21.88	16.59
11a	CH157	21.87	16.60
11a	CH165	21.74	16.59
11n (HT20)	CH149	22.01	17.66
11n (HT20)	CH157	22.10	17.68
11n (HT20)	CH165	21.87	17.67

U-NII-2C straddle channel			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH144	16.10	13.40
11n (HT20)	CH144	16.30	13.90

U-NII-3 straddle channel			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH144	6.00	3.30
11n (HT20)	CH144	6.10	3.80

A.3 6 dB Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ2430976-604 Data Part 2.pdf".

Test Data

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	16.20	500.00	Pass
11a	CH157	16.00	500.00	Pass
11a	CH165	16.00	500.00	Pass
11n (HT20)	CH149	16.80	500.00	Pass
11n (HT20)	CH157	16.50	500.00	Pass
11n (HT20)	CH165	17.20	500.00	Pass

U-NII-3 straddle channel				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH144	13.90	500.00	Pass
11n (HT20)	CH144	14.40	500.00	Pass

A.4 Power Spectral Density

Note ¹: Test plots please refer to the document “Annex No.: BL-SZ2430976-604 Data Part 3.pdf”.

Test Data

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH36	4.75	11.00	Pass
11a	CH44	5.92	11.00	Pass
11a	CH48	6.60	11.00	Pass
11n (HT20)	CH36	5.37	11.00	Pass
11n (HT20)	CH44	6.07	11.00	Pass
11n (HT20)	CH48	6.29	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH52	6.08	11.00	Pass
11a	CH60	5.80	11.00	Pass
11a	CH64	5.91	11.00	Pass
11n (HT20)	CH52	5.78	11.00	Pass
11n (HT20)	CH60	6.01	11.00	Pass
11n (HT20)	CH64	5.60	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH100	6.58	11.00	Pass
11a	CH116	7.93	11.00	Pass
11a	CH140	7.91	11.00	Pass
11n (HT20)	CH100	6.33	11.00	Pass
11n (HT20)	CH116	7.16	11.00	Pass
11n (HT20)	CH140	7.66	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	3.41	30.00	Pass
11a	CH157	3.92	30.00	Pass
11a	CH165	3.81	30.00	Pass
11n (HT20)	CH149	3.08	30.00	Pass
11n (HT20)	CH157	3.63	30.00	Pass
11n (HT20)	CH165	3.67	30.00	Pass

U-NII-2C straddle channel				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH144	8.35	11.00	Pass
11n (HT20)	CH144	8.14	11.00	Pass

U-NII-3 straddle channel				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH144	5.76	30.00	Pass
11n (HT20)	CH144	5.40	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	-0.54	10.00	Pass
11a	CH44	0.63	10.00	Pass
11a	CH48	1.31	10.00	Pass
11n (HT20)	CH36	0.08	10.00	Pass
11n (HT20)	CH44	0.78	10.00	Pass
11n (HT20)	CH48	1.00	10.00	Pass

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH52	0.50	Pass
11a	CH60	0.22	Pass
11a	CH64	0.33	Pass
11n (HT20)	CH52	0.20	Pass
11n (HT20)	CH60	0.43	Pass
11n (HT20)	CH64	0.02	Pass

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH100	-0.58	Pass
11a	CH116	0.77	Pass
11a	CH140	0.75	Pass
11n (HT20)	CH100	-0.83	Pass
11n (HT20)	CH116	0.00	Pass
11n (HT20)	CH140	0.50	Pass

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH149	-5.34	Pass
11a	CH157	-4.83	Pass
11a	CH165	-4.94	Pass
11n (HT20)	CH149	-5.67	Pass
11n (HT20)	CH157	-5.13	Pass
11n (HT20)	CH165	-5.08	Pass

U-NII-2C straddle channel			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH144	1.19	Pass
11n (HT20)	CH144	0.98	Pass

U-NII-3 straddle channel			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH144	-2.99	Pass
11n (HT20)	CH144	-3.35	Pass

A.5 Conducted Emissions

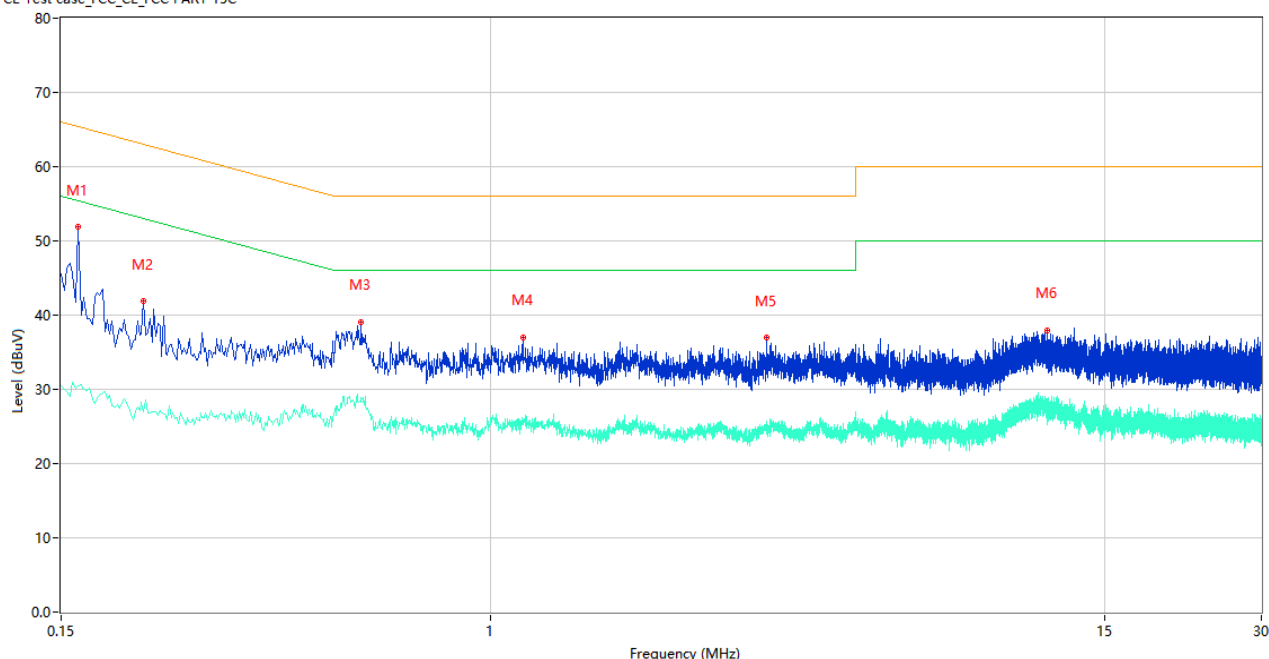
Note ¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

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

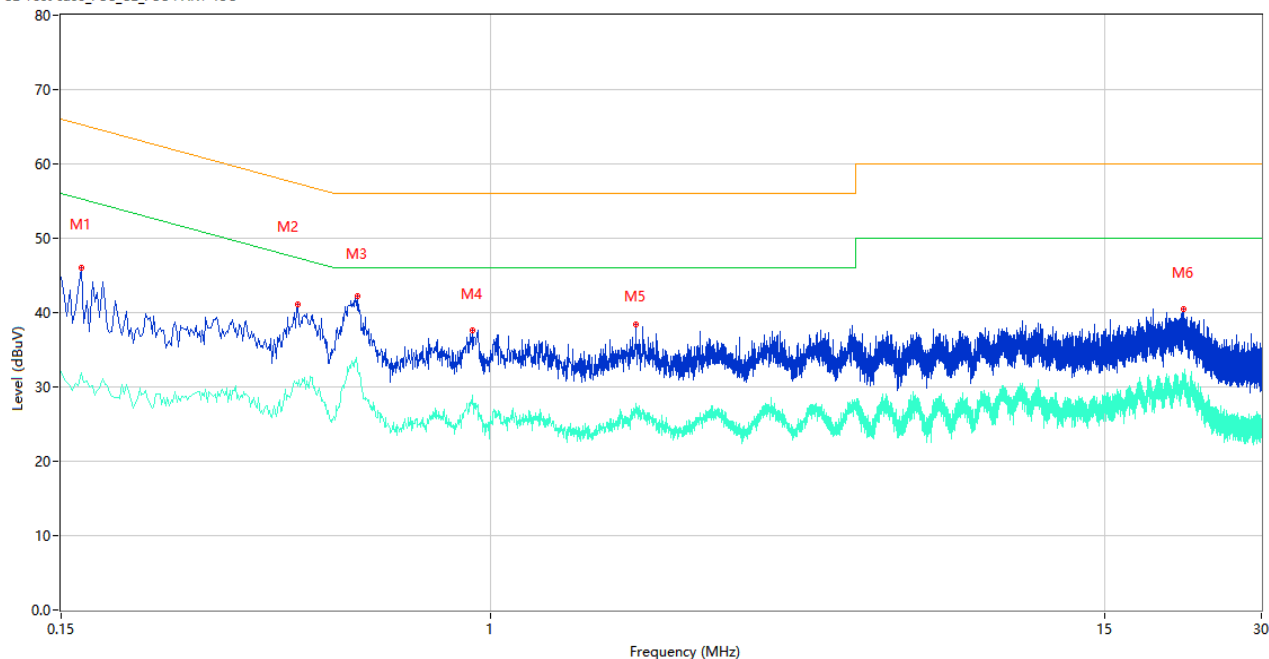
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.162	51.84	9.78	65.36	13.52	Peak	L	Pass
1**	0.162	30.54	9.78	55.36	24.82	AV	L	Pass
2	0.216	41.87	9.77	62.97	21.10	Peak	L	Pass
2**	0.216	26.95	9.77	52.97	26.02	AV	L	Pass
3	0.564	39.11	10.07	56.00	16.89	Peak	L	Pass
3**	0.564	28.92	10.07	46.00	17.08	AV	L	Pass
4	1.152	37.04	10.37	56.00	18.96	Peak	L	Pass
4**	1.152	25.71	10.37	46.00	20.29	AV	L	Pass
5	3.374	36.96	10.31	56.00	19.04	Peak	L	Pass
5**	3.374	25.31	10.31	46.00	20.69	AV	L	Pass
6	11.656	37.94	10.37	60.00	22.06	Peak	L	Pass
6**	11.656	27.51	10.37	50.00	22.49	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.164	46.01	9.78	65.26	19.25	Peak	N	Pass
1**	0.164	31.94	9.78	55.26	23.32	AV	N	Pass
2	0.426	41.18	10.28	57.33	16.15	Peak	N	Pass
2**	0.426	30.14	10.28	47.33	17.19	AV	N	Pass
3	0.556	42.24	10.04	56.00	13.76	Peak	N	Pass
3**	0.556	32.38	10.04	46.00	13.62	AV	N	Pass
4	0.922	37.61	10.12	56.00	18.39	Peak	N	Pass
4**	0.922	27.56	10.12	46.00	18.44	AV	N	Pass
5	1.894	38.47	10.71	56.00	17.53	Peak	N	Pass
5**	1.894	27.10	10.71	46.00	18.90	AV	N	Pass
6	21.232	40.45	10.99	60.00	19.55	Peak	N	Pass
6**	21.232	30.23	10.99	50.00	19.77	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.

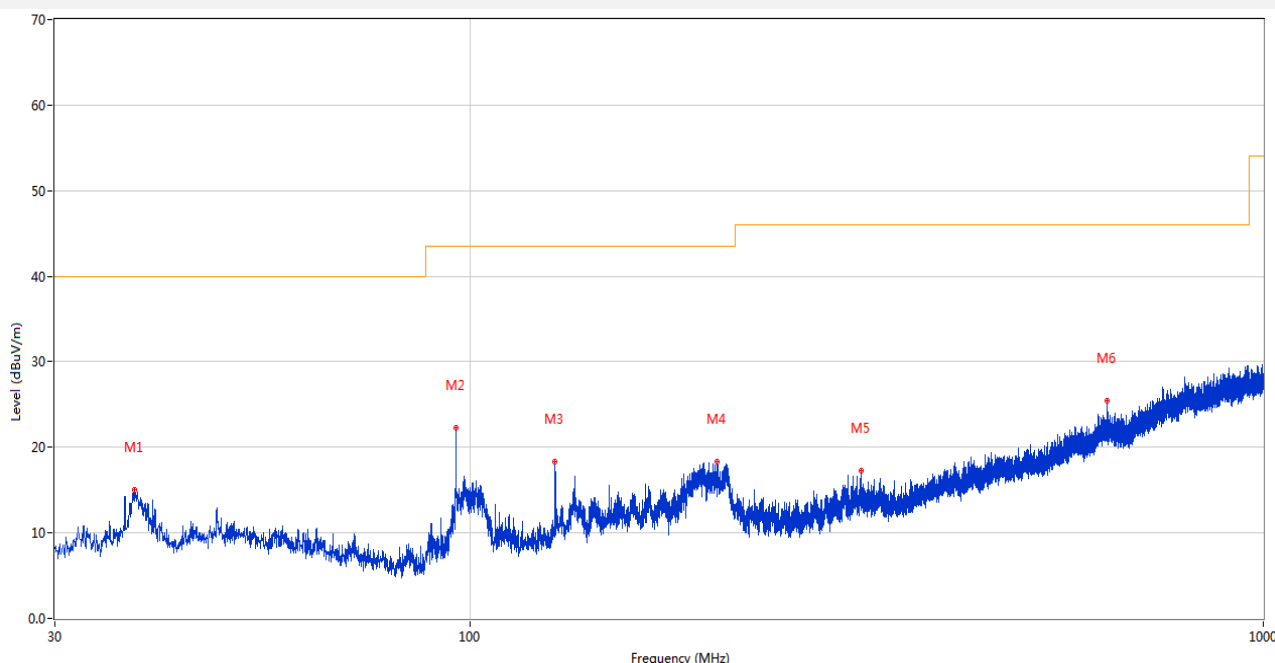
Note ²: For the test data above 1 GHz, According the ANSI C63.4, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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.

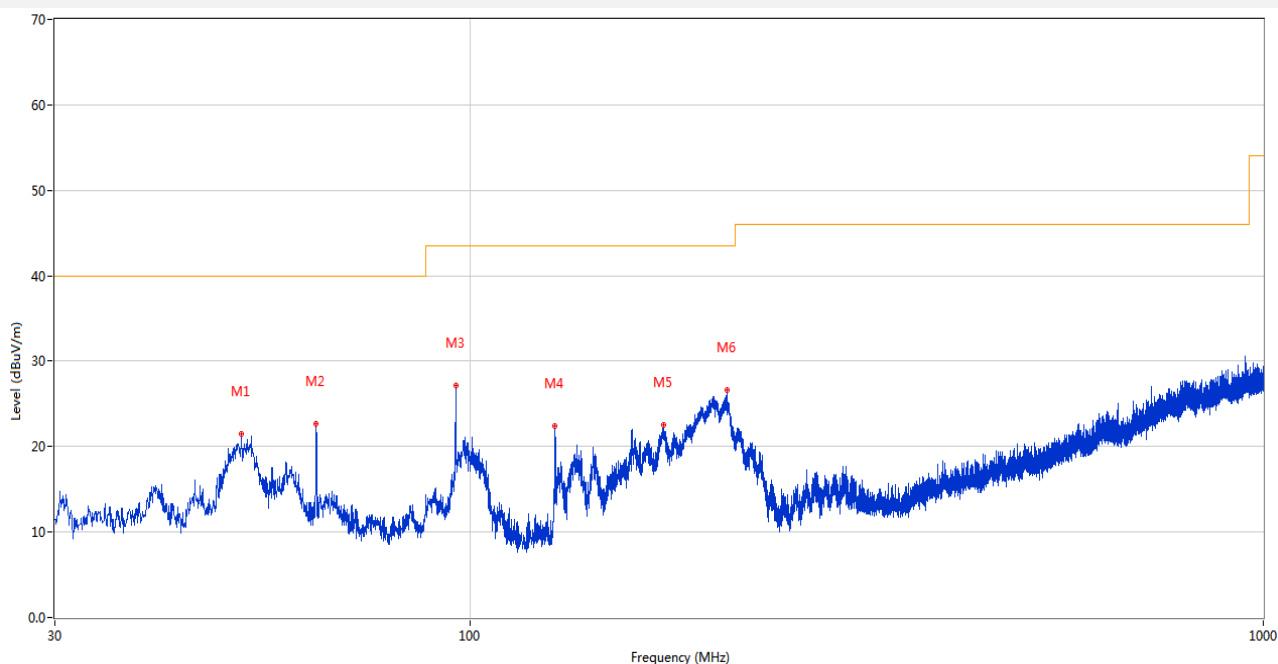
Test Data and Plots

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	37.760	15.03	-26.87	40.0	24.97	Peak	52.00	100	Horizontal	Pass
2	96.057	22.27	-30.00	43.5	21.23	Peak	158.00	200	Horizontal	Pass
3	128.067	18.35	-27.45	43.5	25.15	Peak	152.00	100	Horizontal	Pass
4	204.794	18.33	-29.09	43.5	25.17	Peak	109.00	200	Horizontal	Pass
5	311.300	17.31	-24.02	46.0	28.69	Peak	137.00	100	Horizontal	Pass
6	635.280	25.47	-15.00	46.0	20.53	Peak	145.00	200	Horizontal	Pass

30 MHz to 1 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	51.583	21.48	-26.54	40.0	18.52	Peak	296.00	100	Vertical	Pass
2	64.047	22.62	-28.13	40.0	17.38	Peak	161.00	100	Vertical	Pass
3	96.057	27.11	-30.00	43.5	16.39	Peak	221.00	100	Vertical	Pass
4	128.067	22.46	-27.45	43.5	21.04	Peak	82.00	100	Vertical	Pass
5	175.597	22.61	-26.49	43.5	20.89	Peak	105.00	100	Vertical	Pass
6	210.711	26.60	-28.77	43.5	16.90	Peak	163.00	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)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1464.800	38.46	-17.07	74.0	35.54	Peak	346.00	100	Horizontal	Pass
1**	1464.800	28.93	-17.07	54.0	25.07	AV	346.00	100	Horizontal	Pass
2	4182.250	47.45	-5.38	74.0	26.55	Peak	255.00	300	Horizontal	Pass
2**	4182.250	37.28	-5.38	54.0	16.72	AV	255.00	300	Horizontal	Pass
3	5182.500	98.72	-2.34	--	--	Peak	196.00	200	Horizontal	N/A
3**	5182.500	90.94	-2.34	--	--	AV	196.00	200	Horizontal	N/A
4	6906.250	57.32	0.18	68.2	10.88	Peak	96.00	200	Horizontal	Pass
4**	6906.250	50.10	0.18	--	--	AV	96.00	200	Horizontal	N/A
5	12669.487	52.96	0.20	74.0	21.04	Peak	260.00	150	Horizontal	Pass
5**	12669.487	42.56	0.20	54.0	11.44	AV	260.00	150	Horizontal	Pass
6	16105.275	55.02	1.79	74.0	18.98	Peak	186.00	200	Horizontal	Pass
6**	16105.275	46.56	1.79	54.0	7.44	AV	186.00	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)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1614.400	38.90	-17.08	74.0	35.10	Peak	309.00	100	Vertical	Pass
1**	1614.400	28.91	-17.08	54.0	25.09	AV	309.00	100	Vertical	Pass
2	4263.250	47.61	-4.60	74.0	26.39	Peak	160.00	300	Vertical	Pass
2**	4263.250	38.05	-4.60	54.0	15.95	AV	160.00	300	Vertical	Pass
3	5178.750	96.77	-2.72	--	--	Peak	140.00	200	Vertical	N/A
3**	5178.750	89.85	-2.72	--	--	AV	140.00	200	Vertical	N/A
4	6906.750	55.09	0.46	68.2	13.11	Peak	140.00	200	Vertical	Pass
4**	6906.750	50.36	0.46	--	--	AV	140.00	200	Vertical	N/A
5	12536.487	53.13	1.23	74.0	20.87	Peak	9.00	200	Vertical	Pass
5**	12536.487	43.81	1.23	54.0	10.19	AV	9.00	200	Vertical	Pass
6	16107.375	54.65	1.81	74.0	19.35	Peak	171.00	100	Vertical	Pass
6**	16107.375	45.36	1.81	54.0	8.64	AV	171.00	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)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1529.800	38.20	-16.74	74.0	35.80	Peak	120.00	100	Horizontal	Pass
1**	1529.800	29.48	-16.74	54.0	24.52	AV	120.00	100	Horizontal	Pass
2	4248.750	47.08	-4.39	74.0	26.92	Peak	238.00	200	Horizontal	Pass
2**	4248.750	39.41	-4.39	54.0	14.59	AV	238.00	200	Horizontal	Pass
3	5219.250	99.95	-2.86	--	--	Peak	218.00	150	Horizontal	Pass
3**	5219.250	92.93	-2.86	--	--	AV	218.00	150	Horizontal	N/A
4	6959.750	56.42	-0.46	68.2	11.78	Peak	77.00	200	Horizontal	Pass
4**	6959.750	49.76	-0.46	--	--	AV	77.00	200	Horizontal	N/A
5	11700.725	52.67	-0.51	74.0	21.33	Peak	52.00	100	Horizontal	Pass
5**	11700.725	43.05	-0.51	54.0	10.95	AV	52.00	100	Horizontal	Pass
6	16165.387	54.81	2.05	74.0	19.19	Peak	52.00	200	Horizontal	Pass
6**	16165.387	44.82	2.05	54.0	9.18	AV	52.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1496.900	39.73	-16.77	74.0	34.27	Peak	105.00	400	Vertical	Pass
1**	1496.900	29.03	-16.77	54.0	24.97	AV	105.00	400	Vertical	Pass
2	4318.250	47.17	-5.16	74.0	26.83	Peak	63.00	100	Vertical	Pass
2**	4318.250	37.55	-5.16	54.0	16.45	AV	63.00	100	Vertical	Pass
3	5219.000	97.92	-2.84	--	--	Peak	152.00	200	Vertical	Pass
3**	5219.000	91.38	-2.84	--	--	AV	152.00	200	Vertical	N/A
4	6959.500	55.40	-0.29	68.2	12.80	Peak	152.00	200	Vertical	Pass
4**	6959.500	47.42	-0.29	--	--	AV	152.00	200	Vertical	N/A
5	12442.438	53.25	1.05	74.0	20.75	Peak	360.00	200	Vertical	Pass
5**	12442.438	43.69	1.05	54.0	10.31	AV	360.00	200	Vertical	Pass
6	16158.562	54.65	2.09	74.0	19.35	Peak	108.00	300	Vertical	Pass
6**	16158.562	44.75	2.09	54.0	9.25	AV	108.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1599.900	39.23	-16.70	74.0	34.77	Peak	293.00	400	Horizontal	Pass
1**	1599.900	28.94	-16.70	54.0	25.06	AV	293.00	400	Horizontal	Pass
2	4262.750	47.02	-4.90	74.0	26.98	Peak	113.00	300	Horizontal	Pass
2**	4262.750	37.85	-4.90	54.0	16.15	AV	113.00	300	Horizontal	Pass
3	5239.000	101.07	-2.94	--	--	Peak	188.00	100	Horizontal	N/A
3**	5239.000	93.44	-2.94	--	--	AV	188.00	100	Horizontal	N/A
4	6986.250	56.13	-0.15	68.2	12.07	Peak	91.00	200	Horizontal	Pass
4**	6986.250	48.51	-0.15	--	--	AV	91.00	200	Horizontal	N/A
5	12535.775	52.79	1.23	74.0	21.21	Peak	175.00	150	Horizontal	Pass
5**	12535.775	43.92	1.23	54.0	10.08	AV	175.00	150	Horizontal	Pass
6	16078.763	54.51	1.47	74.0	19.49	Peak	89.00	300	Horizontal	Pass
6**	16078.763	45.23	1.47	54.0	8.77	AV	89.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1490.900	38.60	-17.18	74.0	35.40	Peak	153.00	300	Vertical	Pass
1**	1490.900	28.12	-17.18	54.0	25.88	AV	153.00	300	Vertical	Pass
2	4289.500	47.76	-4.55	74.0	26.24	Peak	21.00	200	Vertical	Pass
2**	4289.500	38.29	-4.55	54.0	15.71	AV	21.00	200	Vertical	Pass
3	5236.500	98.76	-2.99	--	--	Peak	162.00	100	Vertical	N/A
3**	5236.500	91.17	-2.99	--	--	AV	162.00	100	Vertical	N/A
4	6986.750	56.35	-0.38	68.2	11.85	Peak	140.00	200	Vertical	Pass
4**	6986.750	50.33	-0.38	--	--	AV	140.00	200	Vertical	N/A
5	12282.125	52.87	0.75	74.0	21.13	Peak	0.00	100	Vertical	Pass
5**	12282.125	43.17	0.75	54.0	10.83	AV	0.00	100	Vertical	Pass
6	15900.262	55.11	2.02	74.0	18.89	Peak	0.00	200	Vertical	Pass
6**	15900.262	46.51	2.02	54.0	7.49	AV	0.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1445.900	38.30	-17.09	74.0	35.70	Peak	77.00	300	Horizontal	Pass
1**	1445.900	28.16	-17.09	54.0	25.84	AV	77.00	300	Horizontal	Pass
2	4256.000	47.47	-4.07	74.0	26.53	Peak	201.00	100	Horizontal	Pass
2**	4256.000	38.48	-4.07	54.0	15.52	AV	201.00	100	Horizontal	Pass
3	5178.250	99.52	-2.57	--	--	Peak	201.00	150	Horizontal	N/A
3**	5178.250	91.75	-2.57	--	--	AV	201.00	150	Horizontal	N/A
4	6906.750	56.96	0.46	68.2	11.24	Peak	97.00	200	Horizontal	Pass
4**	6906.750	52.02	0.46	--	--	AV	97.00	200	Horizontal	N/A
5	11806.650	53.11	-0.22	74.0	20.89	Peak	244.00	150	Horizontal	Pass
5**	11806.650	43.78	-0.22	54.0	10.22	AV	244.00	150	Horizontal	Pass
6	16132.838	54.30	2.01	74.0	19.70	Peak	18.00	200	Horizontal	Pass
6**	16132.838	45.72	2.01	54.0	8.28	AV	18.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1619.000	38.84	-16.86	74.0	35.16	Peak	360.00	300	Vertical	Pass
1**	1619.000	29.23	-16.86	54.0	24.77	AV	360.00	300	Vertical	Pass
2	4320.750	47.95	-4.72	74.0	26.05	Peak	0.00	200	Vertical	Pass
2**	4320.750	38.15	-4.72	54.0	15.85	AV	0.00	200	Vertical	Pass
3	5182.750	97.29	-2.41	--	--	Peak	138.00	100	Vertical	N/A
3**	5182.750	90.01	-2.41	--	--	AV	138.00	100	Vertical	N/A
4	6906.750	55.60	0.46	68.2	12.60	Peak	118.00	200	Vertical	Pass
4**	6906.750	49.74	0.46	--	--	AV	118.00	200	Vertical	N/A
5	12065.526	53.53	-0.21	74.0	20.47	Peak	210.00	200	Vertical	Pass
5**	12065.526	43.74	-0.21	54.0	10.26	AV	210.00	200	Vertical	Pass
6	16090.575	55.79	1.63	74.0	18.21	Peak	235.00	300	Vertical	Pass
6**	16090.575	45.28	1.63	54.0	8.72	AV	235.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1583.300	38.63	-16.83	74.0	35.37	Peak	360.00	200	Horizontal	Pass
1**	1583.300	29.06	-16.83	54.0	24.94	AV	360.00	200	Horizontal	Pass
2	4332.000	47.49	-4.62	74.0	26.51	Peak	238.00	100	Horizontal	Pass
2**	4332.000	38.07	-4.62	54.0	15.93	AV	238.00	100	Horizontal	Pass
3	5218.750	99.30	-2.94	--	--	Peak	218.00	150	Horizontal	N/A
3**	5218.750	92.65	-2.94	--	--	AV	218.00	150	Horizontal	N/A
4	6959.500	55.53	-0.29	68.2	12.67	Peak	118.00	200	Horizontal	Pass
4**	6959.500	48.30	-0.29	--	-48.30	AV	118.00	200	Horizontal	N/A
5	12014.224	52.56	0.28	74.0	21.44	Peak	105.00	150	Horizontal	Pass
5**	12014.224	42.83	0.28	54.0	11.17	AV	105.00	150	Horizontal	Pass
6	16158.825	54.76	2.09	74.0	19.24	Peak	298.00	400	Horizontal	Pass
6**	16158.825	44.80	2.09	54.0	9.20	AV	298.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1497.400	39.51	-16.84	74.0	34.49	Peak	314.00	100	Vertical	Pass
1**	1497.400	29.03	-16.84	54.0	24.97	AV	314.00	100	Vertical	Pass
2	4351.000	46.95	-4.59	74.0	27.05	Peak	279.00	400	Vertical	Pass
2**	4351.000	37.99	-4.59	54.0	16.01	AV	279.00	400	Vertical	Pass
3	5221.000	98.15	-2.98	--	--	Peak	162.00	100	Vertical	N/A
3**	5221.000	91.13	-2.98	--	--	AV	162.00	100	Vertical	N/A
4	7427.750	53.31	1.31	74.0	20.69	Peak	230.00	300	Vertical	Pass
4**	7427.750	44.55	1.31	54.0	9.45	AV	230.00	300	Vertical	Pass
5	12501.576	52.68	1.43	74.0	21.32	Peak	341.00	100	Vertical	Pass
5**	12501.576	45.02	1.43	54.0	8.98	AV	341.00	100	Vertical	Pass
6	16125.750	54.30	1.96	74.0	19.70	Peak	53.00	400	Vertical	Pass
6**	16125.750	46.17	1.96	54.0	7.83	AV	53.00	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)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1495.000	38.57	-17.10	74.0	35.43	Peak	37.00	100	Horizontal	Pass
1**	1495.000	28.99	-17.10	54.0	25.01	AV	37.00	100	Horizontal	Pass
2	4024.000	47.25	-5.96	74.0	26.75	Peak	301.00	400	Horizontal	Pass
2**	4024.000	37.27	-5.96	54.0	16.73	AV	301.00	400	Horizontal	Pass
3	5235.750	100.35	-2.94	--	--	Peak	205.00	200	Horizontal	N/A
3**	5235.750	92.74	-2.94	--	--	AV	205.00	200	Horizontal	N/A
4	6986.750	55.94	-0.38	68.2	12.26	Peak	87.00	200	Horizontal	Pass
4**	6986.750	51.54	-0.38	--	--	AV	87.00	200	Horizontal	N/A
5	12521.525	52.80	1.31	74.0	21.20	Peak	10.00	100	Horizontal	Pass
5**	12521.525	43.59	1.31	54.0	10.41	AV	10.00	100	Horizontal	Pass
6	16100.813	54.79	1.76	74.0	19.21	Peak	315.00	300	Horizontal	Pass
6**	16100.813	45.75	1.76	54.0	8.25	AV	315.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1499.000	38.90	-16.94	74.0	35.10	Peak	180.00	100	Vertical	Pass
1**	1499.000	30.22	-16.94	54.0	23.78	AV	180.00	100	Vertical	Pass
2	4305.500	47.56	-5.12	74.0	26.44	Peak	118.00	200	Vertical	Pass
2**	4305.500	37.86	-5.12	54.0	16.14	AV	118.00	200	Vertical	Pass
3	5239.750	99.14	-2.75	--	--	Peak	166.00	200	Vertical	N/A
3**	5239.750	92.41	-2.75	--	--	AV	166.00	200	Vertical	N/A
4	6986.750	55.17	-0.38	68.2	13.03	Peak	142.00	200	Vertical	Pass
4**	6986.750	49.07	-0.38	--	--	AV	142.00	200	Vertical	N/A
5	11844.412	53.40	-0.66	74.0	20.60	Peak	17.00	150	Vertical	Pass
5**	11844.412	43.43	-0.66	54.0	10.57	AV	17.00	150	Vertical	Pass
6	15902.625	55.09	1.98	74.0	18.91	Peak	130.00	200	Vertical	Pass
6**	15902.625	45.08	1.98	54.0	8.92	AV	130.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1617.800	38.85	-16.92	74.0	35.15	Peak	0.00	100	Horizontal	Pass
1**	1617.800	29.20	-16.92	54.0	24.80	AV	0.00	100	Horizontal	Pass
2	4162.750	46.81	-5.53	74.0	27.19	Peak	339.00	200	Horizontal	Pass
2**	4162.750	38.61	-5.53	54.0	15.39	AV	339.00	200	Horizontal	Pass
3	5261.250	100.18	-3.06	--	--	Peak	207.00	100	Horizontal	N/A
3**	5261.250	93.15	-3.06	--	--	AV	207.00	100	Horizontal	N/A
4	7698.500	53.80	1.28	74.0	20.20	Peak	285.00	100	Horizontal	Pass
4**	7698.500	44.39	1.28	54.0	9.61	AV	285.00	100	Horizontal	Pass
5	11724.474	52.99	-0.36	74.0	21.01	Peak	360.00	100	Horizontal	Pass
5**	11724.474	43.99	-0.36	54.0	10.01	AV	360.00	100	Horizontal	Pass
6	16119.713	55.53	1.91	74.0	18.47	Peak	124.00	100	Horizontal	Pass
6**	16119.713	45.90	1.91	54.0	8.10	AV	124.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1493.400	40.60	-17.16	74.0	33.40	Peak	318.00	400	Vertical	Pass
1**	1493.400	28.82	-17.16	54.0	25.18	AV	318.00	400	Vertical	Pass
2	4319.250	47.26	-5.02	74.0	26.74	Peak	360.00	300	Vertical	Pass
2**	4319.250	38.05	-5.02	54.0	15.95	AV	360.00	300	Vertical	Pass
3	5258.750	99.01	-3.08	--	--	Peak	138.00	150	Vertical	N/A
3**	5258.750	91.82	-3.08	--	--	AV	138.00	150	Vertical	N/A
4	7423.000	54.40	1.54	74.0	19.60	Peak	274.00	200	Vertical	Pass
4**	7423.000	45.19	1.54	54.0	8.81	AV	274.00	200	Vertical	Pass
5	12265.500	53.70	0.93	74.0	20.30	Peak	321.00	100	Vertical	Pass
5**	12265.500	43.54	0.93	54.0	10.46	AV	321.00	100	Vertical	Pass
6	16094.513	55.09	1.68	74.0	18.91	Peak	287.00	200	Vertical	Pass
6**	16094.513	46.16	1.68	54.0	7.84	AV	287.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1590.500	38.69	-17.04	74.0	35.31	Peak	360.00	200	Horizontal	Pass
1**	1590.500	29.74	-17.04	54.0	24.26	AV	360.00	200	Horizontal	Pass
2	4191.000	47.11	-5.56	74.0	26.89	Peak	34.00	200	Horizontal	Pass
2**	4191.000	37.70	-5.56	54.0	16.30	AV	34.00	200	Horizontal	Pass
3	5296.000	100.31	-2.96	--	--	Peak	163.00	100	Horizontal	N/A
3**	5296.000	92.10	-2.96	--	--	AV	163.00	100	Horizontal	N/A
4	7517.250	53.39	-0.07	74.0	20.61	Peak	239.00	300	Horizontal	Pass
4**	7517.250	43.22	-0.07	54.0	10.78	AV	239.00	300	Horizontal	Pass
5	12212.775	53.46	0.58	74.0	20.54	Peak	315.00	150	Horizontal	Pass
5**	12212.775	43.49	0.58	54.0	10.51	AV	315.00	150	Horizontal	Pass
6	15893.701	55.03	1.98	74.0	18.97	Peak	256.00	200	Horizontal	Pass
6**	15893.701	45.70	1.98	54.0	8.30	AV	256.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1495.400	39.47	-17.09	74.0	34.53	Peak	316.00	100	Vertical	Pass
1**	1495.400	30.85	-17.09	54.0	23.15	AV	316.00	100	Vertical	Pass
2	4130.000	47.36	-5.54	74.0	26.64	Peak	0.00	100	Vertical	Pass
2**	4130.000	38.34	-5.54	54.0	15.66	AV	0.00	100	Vertical	Pass
3	5302.000	99.09	-2.77	--	--	Peak	130.00	150	Vertical	N/A
3**	5302.000	91.68	-2.77	--	--	AV	130.00	150	Vertical	N/A
4	7710.500	54.47	1.96	74.0	19.53	Peak	337.00	300	Vertical	Pass
4**	7710.500	45.34	1.96	54.0	8.66	AV	337.00	300	Vertical	Pass
5	11705.713	53.42	-0.48	74.0	20.58	Peak	114.00	100	Vertical	Pass
5**	11705.713	43.78	-0.48	54.0	10.22	AV	114.00	100	Vertical	Pass
6	15874.800	54.98	1.83	74.0	19.02	Peak	220.00	300	Vertical	Pass
6**	15874.800	45.27	1.83	54.0	8.73	AV	220.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1442.400	38.40	-16.77	74.0	35.60	Peak	319.00	100	Horizontal	Pass
1**	1442.400	29.68	-16.77	54.0	24.32	AV	319.00	100	Horizontal	Pass
2	4283.500	47.63	-4.55	74.0	26.37	Peak	0.00	100	Horizontal	Pass
2**	4283.500	38.58	-4.55	54.0	15.42	AV	0.00	100	Horizontal	Pass
3	5321.000	100.32	-3.04	--	--	Peak	179.00	200	Horizontal	N/A
3**	5321.000	93.21	-3.04	--	--	AV	179.00	200	Horizontal	N/A
4	7704.500	54.77	1.93	74.0	19.23	Peak	152.00	200	Horizontal	Pass
4**	7704.500	44.61	1.93	54.0	9.39	AV	152.00	200	Horizontal	Pass
5	12213.724	52.91	0.60	74.0	21.09	Peak	353.00	200	Horizontal	Pass
5**	12213.724	43.54	0.60	54.0	10.46	AV	353.00	200	Horizontal	Pass
6	16116.037	55.04	1.88	74.0	18.96	Peak	195.00	300	Horizontal	Pass
6**	16116.037	45.59	1.88	54.0	8.41	AV	195.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1494.400	40.61	-17.29	74.0	33.39	Peak	310.00	400	Vertical	Pass
1**	1494.400	29.64	-17.29	54.0	24.36	AV	310.00	400	Vertical	Pass
2	4387.500	47.37	-5.51	74.0	26.63	Peak	239.00	200	Vertical	Pass
2**	4387.500	38.00	-5.51	54.0	16.00	AV	239.00	200	Vertical	Pass
3	5316.750	99.15	-2.94	--	--	Peak	113.00	200	Vertical	N/A
3**	5316.750	92.04	-2.94	--	--	AV	113.00	200	Vertical	N/A
4	7427.250	53.37	1.27	74.0	20.63	Peak	10.00	100	Vertical	Pass
4**	7427.250	43.84	1.27	54.0	10.16	AV	10.00	100	Vertical	Pass
5	12242.463	53.06	1.00	74.0	20.94	Peak	116.00	100	Vertical	Pass
5**	12242.463	43.42	1.00	54.0	10.58	AV	116.00	100	Vertical	Pass
6	15644.849	55.02	2.02	74.0	18.98	Peak	186.00	300	Vertical	Pass
6**	15644.849	45.52	2.02	54.0	8.48	AV	186.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1617.300	38.53	-16.99	74.0	35.47	Peak	0.00	400	Horizontal	Pass
1**	1617.300	29.58	-16.99	54.0	24.42	AV	0.00	400	Horizontal	Pass
2	4249.000	47.18	-4.30	74.0	26.82	Peak	263.00	300	Horizontal	Pass
2**	4249.000	38.04	-4.30	54.0	15.96	AV	263.00	300	Horizontal	Pass
3	5259.000	99.60	-2.95	--	--	Peak	210.00	200	Horizontal	N/A
3**	5259.000	92.93	-2.95	--	--	AV	210.00	200	Horizontal	N/A
4	7698.000	54.07	1.00	74.0	19.93	Peak	185.00	200	Horizontal	Pass
4**	7698.000	44.75	1.00	54.0	9.25	AV	185.00	200	Horizontal	Pass
5	11766.275	53.53	-0.18	74.0	20.47	Peak	359.00	150	Horizontal	Pass
5**	11766.275	43.95	-0.18	54.0	10.05	AV	359.00	150	Horizontal	Pass
6	16121.287	55.77	1.92	74.0	18.23	Peak	360.00	300	Horizontal	Pass
6**	16121.287	45.71	1.92	54.0	8.29	AV	360.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1496.800	40.80	-16.81	74.0	33.20	Peak	315.00	300	Vertical	Pass
1**	1496.800	32.55	-16.81	54.0	21.45	AV	315.00	300	Vertical	Pass
2	4202.500	47.64	-5.53	74.0	26.36	Peak	146.00	200	Vertical	Pass
2**	4202.500	37.72	-5.53	54.0	16.28	AV	146.00	200	Vertical	Pass
3	5261.000	99.64	-3.04	--	--	Peak	146.00	150	Vertical	N/A
3**	5261.000	92.39	-3.04	--	--	AV	146.00	150	Vertical	N/A
4	7731.250	53.43	0.40	74.0	20.57	Peak	62.00	200	Vertical	Pass
4**	7731.250	43.68	0.40	54.0	10.32	AV	62.00	200	Vertical	Pass
5	11747.750	53.07	-0.21	74.0	20.93	Peak	1.00	100	Vertical	Pass
5**	11747.750	43.97	-0.21	54.0	10.03	AV	1.00	100	Vertical	Pass
6	16128.375	54.93	1.98	74.0	19.07	Peak	336.00	100	Vertical	Pass
6**	16128.375	46.43	1.98	54.0	7.57	AV	336.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1442.500	38.07	-16.84	74.0	35.93	Peak	244.00	300	Horizontal	Pass
1**	1442.500	29.12	-16.84	54.0	24.88	AV	244.00	300	Horizontal	Pass
2	4321.000	46.92	-4.84	74.0	27.08	Peak	8.00	100	Horizontal	Pass
2**	4321.000	38.35	-4.84	54.0	15.65	AV	8.00	100	Horizontal	Pass
3	5295.000	100.09	-2.80	--	--	Peak	163.00	200	Horizontal	N/A
3**	5295.000	92.74	-2.80	--	--	AV	163.00	200	Horizontal	N/A
4	7355.250	53.65	0.30	74.0	20.35	Peak	237.00	300	Horizontal	Pass
4**	7355.250	44.56	0.30	54.0	9.44	AV	237.00	300	Horizontal	Pass
5	11790.026	53.35	-0.16	74.0	20.65	Peak	29.00	100	Horizontal	Pass
5**	11790.026	44.53	-0.16	54.0	9.47	AV	29.00	100	Horizontal	Pass
6	16128.900	55.04	1.98	74.0	18.96	Peak	219.00	400	Horizontal	Pass
6**	16128.900	45.58	1.98	54.0	8.42	AV	219.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1494.400	39.86	-17.29	74.0	34.14	Peak	175.00	200	Vertical	Pass
1**	1494.400	30.97	-17.29	54.0	23.03	AV	175.00	200	Vertical	Pass
2	4336.000	47.34	-4.72	74.0	26.66	Peak	89.00	300	Vertical	Pass
2**	4336.000	38.17	-4.72	54.0	15.83	AV	89.00	300	Vertical	Pass
3	5301.000	99.52	-2.85	--	--	Peak	115.00	100	Vertical	N/A
3**	5301.000	92.32	-2.85	--	--	AV	115.00	100	Vertical	N/A
4	7422.500	53.69	1.35	74.0	20.31	Peak	140.00	200	Vertical	Pass
4**	7422.500	44.58	1.35	54.0	9.42	AV	140.00	200	Vertical	Pass
5	12510.599	53.30	1.38	74.0	20.70	Peak	334.00	100	Vertical	Pass
5**	12510.599	43.53	1.38	54.0	10.47	AV	334.00	100	Vertical	Pass
6	16117.349	54.63	1.89	74.0	19.37	Peak	162.00	100	Vertical	Pass
6**	16117.349	45.41	1.89	54.0	8.59	AV	162.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1484.100	38.33	-17.06	74.0	35.67	Peak	211.00	300	Horizontal	Pass
1**	1484.100	28.87	-17.06	54.0	25.13	AV	211.00	300	Horizontal	Pass
2	4327.500	47.40	-4.91	74.0	26.60	Peak	172.00	400	Horizontal	Pass
2**	4327.500	38.19	-4.91	54.0	15.81	AV	172.00	400	Horizontal	Pass
3	5321.500	100.28	-2.68	--	--	Peak	172.00	200	Horizontal	N/A
3**	5321.500	93.84	-2.68	--	--	AV	172.00	200	Horizontal	N/A
4	7627.250	53.73	0.37	74.0	20.27	Peak	0.00	100	Horizontal	Pass
4**	7627.250	43.70	0.37	54.0	10.30	AV	0.00	100	Horizontal	Pass
5	12516.300	53.28	1.34	74.0	20.72	Peak	358.00	200	Horizontal	Pass
5**	12516.300	43.57	1.34	54.0	10.43	AV	358.00	200	Horizontal	Pass
6	16109.213	54.90	1.82	74.0	19.10	Peak	281.00	300	Horizontal	Pass
6**	16109.213	45.94	1.82	54.0	8.06	AV	281.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1492.700	39.49	-17.39	74.0	34.51	Peak	326.00	300	Vertical	Pass
1**	1492.700	28.07	-17.39	54.0	25.93	AV	326.00	300	Vertical	Pass
2	4279.750	47.47	-4.66	74.0	26.53	Peak	137.00	400	Vertical	Pass
2**	4279.750	38.59	-4.66	54.0	15.41	AV	137.00	400	Vertical	Pass
3	5316.500	99.29	-2.91	--	--	Peak	111.00	100	Vertical	N/A
3**	5316.500	91.64	-2.91	--	--	AV	111.00	100	Vertical	N/A
4	7605.750	53.23	0.61	74.0	20.77	Peak	0.00	300	Vertical	Pass
4**	7605.750	43.82	0.61	54.0	10.18	AV	0.00	300	Vertical	Pass
5	11805.463	53.40	-0.21	74.0	20.60	Peak	115.00	200	Vertical	Pass
5**	11805.463	43.61	-0.21	54.0	10.39	AV	115.00	200	Vertical	Pass
6	16129.162	54.78	1.98	74.0	19.22	Peak	168.00	300	Vertical	Pass
6**	16129.162	45.63	1.98	54.0	8.37	AV	168.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1605.700	38.23	-16.94	74.0	35.77	Peak	206.00	300	Horizontal	Pass
1**	1605.700	29.17	-16.94	54.0	24.83	AV	206.00	300	Horizontal	Pass
2	3666.000	48.04	-6.57	74.0	25.96	Peak	157.00	300	Horizontal	Pass
2**	3666.000	40.63	-6.57	54.0	13.37	AV	157.00	300	Horizontal	Pass
3	5501.500	100.40	-2.83	--	--	Peak	157.00	100	Horizontal	N/A
3**	5501.500	93.26	-2.83	--	--	AV	157.00	100	Horizontal	N/A
4	7333.750	53.76	0.09	74.0	20.24	Peak	232.00	200	Horizontal	Pass
4**	7333.750	49.53	0.09	54.0	4.47	AV	232.00	200	Horizontal	Pass
5	7334.750	54.19	-0.11	74.0	19.81	Peak	13.00	200	Horizontal	Pass
5**	7334.750	46.35	-0.11	54.0	7.65	AV	13.00	200	Horizontal	Pass
6	15889.500	54.87	1.95	74.0	19.13	Peak	125.00	200	Horizontal	Pass
6**	15889.500	46.24	1.95	54.0	7.76	AV	125.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1443.900	39.45	-16.91	74.0	34.55	Peak	340.00	300	Vertical	Pass
1**	1443.900	30.98	-16.91	54.0	23.02	AV	340.00	300	Vertical	Pass
2	4039.000	47.28	-5.67	74.0	26.72	Peak	0.00	400	Vertical	Pass
2**	4039.000	37.48	-5.67	54.0	16.52	AV	0.00	400	Vertical	Pass
3	5499.250	97.96	-2.71	--	--	Peak	135.00	200	Vertical	N/A
3**	5499.250	90.31	-2.71	--	--	AV	135.00	200	Vertical	N/A
4	7333.500	55.10	-0.13	74.0	18.90	Peak	110.00	200	Vertical	Pass
4**	7333.500	50.10	-0.13	54.0	3.90	AV	110.00	200	Vertical	Pass
5	7333.750	55.51	0.09	74.0	18.49	Peak	110.00	100	Vertical	Pass
5**	7333.750	49.96	0.09	54.0	4.04	AV	110.00	100	Vertical	Pass
6	15917.587	55.09	1.72	74.0	18.91	Peak	155.00	400	Vertical	Pass
6**	15917.587	45.56	1.72	54.0	8.44	AV	155.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1478.000	38.25	-17.26	74.0	35.75	Peak	307.00	300	Horizontal	Pass
1**	1478.000	28.15	-17.26	54.0	25.85	AV	307.00	300	Horizontal	Pass
2	3719.000	50.43	-6.69	74.0	23.57	Peak	149.00	300	Horizontal	Pass
2**	3719.000	41.45	-6.69	54.0	12.55	AV	149.00	300	Horizontal	Pass
3	5579.000	99.96	-2.09	--	--	Peak	171.00	150	Horizontal	N/A
3**	5579.000	92.94	-2.09	--	--	AV	171.00	150	Horizontal	N/A
4	7440.000	54.58	0.56	74.0	19.42	Peak	235.00	300	Horizontal	Pass
4**	7440.000	48.82	0.56	54.0	5.18	AV	235.00	300	Horizontal	Pass
5	12507.987	53.07	1.39	74.0	20.93	Peak	94.00	200	Horizontal	Pass
5**	12507.987	44.74	1.39	54.0	9.26	AV	94.00	200	Horizontal	Pass
6	16092.675	55.82	1.65	74.0	18.18	Peak	96.00	300	Horizontal	Pass
6**	16092.675	45.20	1.65	54.0	8.80	AV	96.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1493.500	39.12	-17.16	74.0	34.88	Peak	299.00	300	Vertical	Pass
1**	1493.500	29.15	-17.16	54.0	24.85	AV	299.00	300	Vertical	Pass
2	3723.500	48.59	-6.85	74.0	25.41	Peak	360.00	300	Vertical	Pass
2**	3723.500	39.05	-6.85	54.0	14.95	AV	360.00	300	Vertical	Pass
3	5576.250	97.79	-2.06	--	--	Peak	108.00	150	Vertical	N/A
3**	5576.250	89.79	-2.06	--	--	AV	108.00	150	Vertical	N/A
4	7440.000	55.78	0.56	74.0	18.22	Peak	185.00	300	Vertical	Pass
4**	7440.000	50.05	0.56	54.0	3.95	AV	185.00	300	Vertical	Pass
5	12245.313	53.41	1.04	74.0	20.59	Peak	285.00	200	Vertical	Pass
5**	12245.313	43.72	1.04	54.0	10.28	AV	285.00	200	Vertical	Pass
6	15913.125	55.04	1.80	74.0	18.96	Peak	115.00	200	Vertical	Pass
6**	15913.125	45.15	1.80	54.0	8.85	AV	115.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1464.900	39.39	-17.07	74.0	34.61	Peak	243.00	300	Horizontal	Pass
1**	1464.900	28.86	-17.07	54.0	25.14	AV	243.00	300	Horizontal	Pass
2	3799.500	51.85	-6.30	74.0	22.15	Peak	150.00	200	Horizontal	Pass
2**	3799.500	44.58	-6.30	54.0	9.42	AV	150.00	200	Horizontal	Pass
3	5695.500	99.03	-2.18	--	--	Peak	150.00	200	Horizontal	N/A
3**	5695.500	90.41	-2.18	--	--	AV	150.00	200	Horizontal	N/A
4	7600.250	55.65	0.94	74.0	18.35	Peak	230.00	400	Horizontal	Pass
4**	7600.250	49.67	0.94	54.0	4.33	AV	230.00	400	Horizontal	Pass
5	12397.787	53.79	1.10	74.0	20.21	Peak	271.00	150	Horizontal	Pass
5**	12397.787	42.93	1.10	54.0	11.07	AV	271.00	150	Horizontal	Pass
6	15897.900	54.44	2.01	74.0	19.56	Peak	201.00	400	Horizontal	Pass
6**	15897.900	44.85	2.01	54.0	9.15	AV	201.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1494.400	39.73	-17.29	74.0	34.27	Peak	186.00	400	Vertical	Pass
1**	1494.400	30.85	-17.29	54.0	23.15	AV	186.00	400	Vertical	Pass
2	3798.000	49.00	-6.20	74.0	25.00	Peak	339.00	400	Vertical	Pass
2**	3798.000	39.12	-6.20	54.0	14.88	AV	339.00	400	Vertical	Pass
3	5700.750	94.93	-2.22	--	--	Peak	122.00	200	Vertical	N/A
3**	5700.750	87.99	-2.22	--	--	AV	122.00	200	Vertical	N/A
4	7600.250	55.92	0.94	74.0	18.08	Peak	203.00	400	Vertical	Pass
4**	7600.250	49.79	0.94	54.0	4.21	AV	203.00	400	Vertical	Pass
5	12254.812	53.02	1.05	74.0	20.98	Peak	298.00	100	Vertical	Pass
5**	12254.812	43.68	1.05	54.0	10.32	AV	298.00	100	Vertical	Pass
6	15895.537	55.06	1.99	74.0	18.94	Peak	44.00	100	Vertical	Pass
6**	15895.537	46.52	1.99	54.0	7.48	AV	44.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1442.700	38.29	-16.97	74.0	35.71	Peak	0.00	100	Horizontal	Pass
1**	1442.700	29.46	-16.97	54.0	24.54	AV	0.00	100	Horizontal	Pass
2	3666.500	48.33	-6.65	74.0	25.67	Peak	155.00	400	Horizontal	Pass
2**	3666.500	40.88	-6.65	54.0	13.12	AV	155.00	400	Horizontal	Pass
3	5496.000	100.11	-2.44	--	--	Peak	181.00	100	Horizontal	N/A
3**	5496.000	92.35	-2.44	--	--	AV	181.00	100	Horizontal	N/A
4	7333.750	55.40	0.09	74.0	18.60	Peak	128.00	100	Horizontal	Pass
4**	7333.750	49.27	0.09	54.0	4.73	AV	128.00	100	Horizontal	Pass
5	12515.588	53.40	1.35	74.0	20.60	Peak	176.00	100	Horizontal	Pass
5**	12515.588	43.39	1.35	54.0	10.61	AV	176.00	100	Horizontal	Pass
6	16096.612	54.73	1.71	74.0	19.27	Peak	283.00	200	Horizontal	Pass
6**	16096.612	46.07	1.71	54.0	7.93	AV	283.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1495.800	39.53	-17.05	74.0	34.47	Peak	314.00	200	Vertical	Pass
1**	1495.800	29.72	-17.05	54.0	24.28	AV	314.00	200	Vertical	Pass
2	4226.750	48.00	-5.16	74.0	26.00	Peak	178.00	300	Vertical	Pass
2**	4226.750	38.54	-5.16	54.0	15.46	AV	178.00	300	Vertical	Pass
3	5496.250	97.28	-2.43	--	--	Peak	123.00	100	Vertical	N/A
3**	5496.250	91.49	-2.43	--	--	AV	123.00	100	Vertical	N/A
4	7333.250	56.31	-0.22	74.0	17.69	Peak	123.00	100	Vertical	Pass
4**	7333.250	49.22	-0.22	54.0	4.78	AV	123.00	100	Vertical	Pass
5	7333.750	54.73	0.09	74.0	19.27	Peak	208.00	100	Vertical	Pass
5**	7333.750	49.92	0.09	54.0	4.08	AV	208.00	100	Vertical	Pass
6	16114.725	55.34	1.87	74.0	18.66	Peak	346.00	300	Vertical	Pass
6**	16114.725	45.97	1.87	54.0	8.03	AV	346.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1609.600	39.02	-17.00	74.0	34.98	Peak	125.00	300	Horizontal	Pass
1**	1609.600	29.36	-17.00	54.0	24.64	AV	125.00	300	Horizontal	Pass
2	3720.500	49.56	-6.82	74.0	24.44	Peak	164.00	400	Horizontal	Pass
2**	3720.500	42.63	-6.82	54.0	11.37	AV	164.00	400	Horizontal	Pass
3	5578.500	100.33	-2.10	--	--	Peak	190.00	200	Horizontal	N/A
3**	5578.500	93.24	-2.10	--	--	AV	190.00	200	Horizontal	N/A
4	7439.750	54.63	0.42	74.0	19.37	Peak	241.00	300	Horizontal	Pass
4**	7439.750	47.81	0.42	54.0	6.19	AV	241.00	300	Horizontal	Pass
5	7440.000	53.73	0.56	74.0	20.27	Peak	139.00	100	Horizontal	Pass
5**	7440.000	48.84	0.56	54.0	5.16	AV	139.00	100	Horizontal	Pass
6	16095.563	54.67	1.69	74.0	19.33	Peak	55.00	200	Horizontal	Pass
6**	16095.563	45.37	1.69	54.0	8.63	AV	55.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1499.600	40.43	-16.98	74.0	33.57	Peak	321.00	200	Vertical	Pass
1**	1499.600	29.11	-16.98	54.0	24.89	AV	321.00	200	Vertical	Pass
2	4152.750	47.52	-5.63	74.0	26.48	Peak	67.00	300	Vertical	Pass
2**	4152.750	37.23	-5.63	54.0	16.77	AV	67.00	300	Vertical	Pass
3	5577.750	98.03	-2.04	--	--	Peak	110.00	200	Vertical	N/A
3**	5577.750	90.13	-2.04	--	--	AV	110.00	200	Vertical	N/A
4	7440.250	56.27	0.61	74.0	17.73	Peak	110.00	100	Vertical	Pass
4**	7440.250	50.32	0.61	54.0	3.68	AV	110.00	100	Vertical	Pass
5	7440.500	53.68	0.62	74.0	20.32	Peak	132.00	100	Vertical	Pass
5**	7440.500	50.40	0.62	54.0	3.60	AV	132.00	100	Vertical	Pass
6	16072.988	55.50	1.39	74.0	18.50	Peak	231.00	100	Vertical	Pass
6**	16072.988	45.80	1.39	54.0	8.20	AV	231.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1618.000	39.18	-16.95	74.0	34.82	Peak	0.00	200	Horizontal	Pass
1**	1618.000	29.22	-16.95	54.0	24.78	AV	0.00	200	Horizontal	Pass
2	3797.000	51.48	-6.29	74.0	22.52	Peak	139.00	100	Horizontal	Pass
2**	3797.000	44.12	-6.29	54.0	9.88	AV	139.00	100	Horizontal	Pass
3	5698.750	98.54	-2.24	--	--	Peak	162.00	200	Horizontal	N/A
3**	5698.750	91.45	-2.24	--	--	AV	162.00	200	Horizontal	N/A
4	7600.000	54.62	0.78	74.0	19.38	Peak	237.00	200	Horizontal	Pass
4**	7600.000	49.46	0.78	54.0	4.54	AV	237.00	200	Horizontal	Pass
5	7600.500	57.11	0.91	74.0	16.89	Peak	162.00	100	Horizontal	Pass
5**	7600.500	48.92	0.91	54.0	5.08	AV	162.00	100	Horizontal	Pass
6	16121.287	55.00	1.92	74.0	19.00	Peak	15.00	300	Horizontal	Pass
6**	16121.287	46.50	1.92	54.0	7.50	AV	15.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1495.000	39.39	-17.10	74.0	34.61	Peak	261.00	400	Vertical	Pass
1**	1495.000	31.02	-17.10	54.0	22.98	AV	261.00	400	Vertical	Pass
2	3801.750	48.64	-6.20	74.0	25.36	Peak	0.00	400	Vertical	Pass
2**	3801.750	39.97	-6.20	54.0	14.03	AV	0.00	400	Vertical	Pass
3	5699.000	95.01	-2.24	--	--	Peak	103.00	200	Vertical	N/A
3**	5699.000	87.60	-2.24	--	--	AV	103.00	200	Vertical	N/A
4	7600.500	56.77	0.91	74.0	17.23	Peak	128.00	300	Vertical	Pass
4**	7600.500	50.42	0.91	54.0	3.58	AV	128.00	300	Vertical	Pass
5	11760.099	54.21	-0.19	74.0	19.79	Peak	86.00	200	Vertical	Pass
5**	11760.099	43.82	-0.19	54.0	10.18	AV	86.00	200	Vertical	Pass
6	16063.537	54.93	1.27	74.0	19.07	Peak	190.00	100	Vertical	Pass
6**	16063.537	45.49	1.27	54.0	8.51	AV	190.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1593.600	38.86	-16.98	74.0	35.14	Peak	82.00	300	Horizontal	Pass
1**	1593.600	29.17	-16.98	54.0	24.83	AV	82.00	300	Horizontal	Pass
2	3829.500	52.50	-6.42	74.0	21.50	Peak	166.00	400	Horizontal	Pass
2**	3829.500	44.00	-6.42	54.0	10.00	AV	166.00	400	Horizontal	Pass
3	5740.750	96.98	-2.11	--	--	Peak	166.00	150	Horizontal	N/A
3**	5740.750	88.48	-2.11	--	--	AV	166.00	150	Horizontal	N/A
4	7412.500	54.50	0.49	74.0	19.50	Peak	140.00	200	Horizontal	Pass
4**	7412.500	44.20	0.49	54.0	9.80	AV	140.00	200	Horizontal	Pass
5	12527.700	53.18	1.28	74.0	20.82	Peak	121.00	100	Horizontal	Pass
5**	12527.700	43.18	1.28	54.0	10.82	AV	121.00	100	Horizontal	Pass
6	16101.599	54.73	1.76	74.0	19.27	Peak	10.00	400	Horizontal	Pass
6**	16101.599	44.99	1.76	54.0	9.01	AV	10.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1499.400	40.84	-16.92	74.0	33.16	Peak	108.00	300	Vertical	Pass
1**	1499.400	29.29	-16.92	54.0	24.71	AV	108.00	300	Vertical	Pass
2	4385.250	47.49	-5.17	74.0	26.51	Peak	298.00	100	Vertical	Pass
2**	4385.250	37.99	-5.17	54.0	16.01	AV	298.00	100	Vertical	Pass
3	5744.250	93.94	-1.96	--	--	Peak	112.00	200	Vertical	N/A
3**	5744.250	86.50	-1.96	--	--	AV	112.00	200	Vertical	N/A
4	7659.250	53.76	1.09	74.0	20.24	Peak	164.00	300	Vertical	Pass
4**	7659.250	44.81	1.09	54.0	9.19	AV	164.00	300	Vertical	Pass
5	12474.025	53.50	1.23	74.0	20.50	Peak	114.00	200	Vertical	Pass
5**	12474.025	43.61	1.23	54.0	10.39	AV	114.00	200	Vertical	Pass
6	16124.701	54.53	1.95	74.0	19.47	Peak	339.00	100	Vertical	Pass
6**	16124.701	45.50	1.95	54.0	8.50	AV	339.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1476.400	38.72	-17.06	74.0	35.28	Peak	360.00	400	Horizontal	Pass
1**	1476.400	29.47	-17.06	54.0	24.53	AV	360.00	400	Horizontal	Pass
2	3858.000	53.40	-6.46	74.0	20.60	Peak	158.00	100	Horizontal	Pass
2**	3858.000	46.35	-6.46	54.0	7.65	AV	158.00	100	Horizontal	Pass
3	5784.000	95.99	-2.66	--	--	Peak	158.00	200	Horizontal	N/A
3**	5784.000	89.00	-2.66	--	--	AV	158.00	200	Horizontal	N/A
4	7724.500	53.67	0.71	74.0	20.33	Peak	181.00	300	Horizontal	Pass
4**	7724.500	43.38	0.71	54.0	10.62	AV	181.00	300	Horizontal	Pass
5	11761.287	52.75	-0.18	74.0	21.25	Peak	13.00	150	Horizontal	Pass
5**	11761.287	43.26	-0.18	54.0	10.74	AV	13.00	150	Horizontal	Pass
6	16171.425	55.01	2.01	74.0	18.99	Peak	246.00	400	Horizontal	Pass
6**	16171.425	46.02	2.01	54.0	7.98	AV	246.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1493.500	39.71	-17.16	74.0	34.29	Peak	103.00	100	Vertical	Pass
1**	1493.500	31.70	-17.16	54.0	22.30	AV	103.00	100	Vertical	Pass
2	3856.500	48.05	-6.49	74.0	25.95	Peak	343.00	200	Vertical	Pass
2**	3856.500	39.99	-6.49	54.0	14.01	AV	343.00	200	Vertical	Pass
3	5786.000	93.04	-2.41	--	--	Peak	110.00	200	Vertical	N/A
3**	5786.000	86.47	-2.41	--	--	AV	110.00	200	Vertical	N/A
4	7713.500	54.17	1.71	74.0	19.83	Peak	110.00	200	Vertical	Pass
4**	7713.500	45.76	1.71	54.0	8.24	AV	110.00	200	Vertical	Pass
5	11748.463	53.68	-0.21	74.0	20.32	Peak	272.00	100	Vertical	Pass
5**	11748.463	44.29	-0.21	54.0	9.71	AV	272.00	100	Vertical	Pass
6	16138.350	54.64	2.06	74.0	19.36	Peak	187.00	400	Vertical	Pass
6**	16138.350	45.82	2.06	54.0	8.18	AV	187.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1621.200	38.02	-16.76	74.0	35.98	Peak	210.00	200	Horizontal	Pass
1**	1621.200	28.96	-16.76	54.0	25.04	AV	210.00	200	Horizontal	Pass
2	3883.000	54.99	-6.12	74.0	19.01	Peak	143.00	300	Horizontal	Pass
2**	3883.000	47.28	-6.12	54.0	6.72	AV	143.00	300	Horizontal	Pass
3	5824.000	95.25	-2.72	--	--	Peak	166.00	150	Horizontal	N/A
3**	5824.000	88.68	-2.72	--	--	AV	166.00	150	Horizontal	N/A
4	7420.500	53.75	1.22	74.0	20.25	Peak	241.00	400	Horizontal	Pass
4**	7420.500	45.23	1.22	54.0	8.77	AV	241.00	400	Horizontal	Pass
5	12460.250	53.20	1.12	74.0	20.80	Peak	4.00	100	Horizontal	Pass
5**	12460.250	42.98	1.12	54.0	11.02	AV	4.00	100	Horizontal	Pass
6	16138.350	54.79	2.06	74.0	19.21	Peak	86.00	200	Horizontal	Pass
6**	16138.350	45.73	2.06	54.0	8.27	AV	86.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1494.300	39.50	-17.22	74.0	34.50	Peak	281.00	300	Vertical	Pass
1**	1494.300	29.84	-17.22	54.0	24.16	AV	281.00	300	Vertical	Pass
2	3883.250	48.63	-5.99	74.0	25.37	Peak	160.00	100	Vertical	Pass
2**	3883.250	40.93	-5.99	54.0	13.07	AV	160.00	100	Vertical	Pass
3	5821.750	92.86	-2.58	--	--	Peak	114.00	200	Vertical	N/A
3**	5821.750	84.66	-2.58	--	--	AV	114.00	200	Vertical	N/A
4	7710.500	53.60	1.96	74.0	20.40	Peak	182.00	100	Vertical	Pass
4**	7710.500	45.57	1.96	54.0	8.43	AV	182.00	100	Vertical	Pass
5	12528.650	53.52	1.27	74.0	20.48	Peak	203.00	100	Vertical	Pass
5**	12528.650	43.77	1.27	54.0	10.23	AV	203.00	100	Vertical	Pass
6	16107.638	54.89	1.81	74.0	19.11	Peak	129.00	300	Vertical	Pass
6**	16107.638	45.70	1.81	54.0	8.30	AV	129.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1471.100	38.38	-17.11	74.0	35.62	Peak	33.00	100	Horizontal	Pass
1**	1471.100	28.86	-17.11	54.0	25.14	AV	33.00	100	Horizontal	Pass
2	3830.250	51.41	-6.39	74.0	22.59	Peak	132.00	200	Horizontal	Pass
2**	3830.250	45.89	-6.39	54.0	8.11	AV	132.00	200	Horizontal	Pass
3	5743.500	97.55	-2.14	--	--	Peak	154.00	200	Horizontal	N/A
3**	5743.500	89.31	-2.14	--	--	AV	154.00	200	Horizontal	N/A
4	7660.250	53.65	1.08	74.0	20.35	Peak	342.00	400	Horizontal	Pass
4**	7660.250	46.53	1.08	54.0	7.47	AV	342.00	400	Horizontal	Pass
5	12071.937	53.44	-0.21	74.0	20.56	Peak	201.00	200	Horizontal	Pass
5**	12071.937	42.70	-0.21	54.0	11.30	AV	201.00	200	Horizontal	Pass
6	15649.050	55.30	2.12	74.0	18.70	Peak	295.00	400	Horizontal	Pass
6**	15649.050	44.65	2.12	54.0	9.35	AV	295.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1497.500	40.54	-16.89	74.0	33.46	Peak	326.00	400	Vertical	Pass
1**	1497.500	31.20	-16.89	54.0	22.80	AV	326.00	400	Vertical	Pass
2	3830.250	48.85	-6.39	74.0	25.15	Peak	3.00	200	Vertical	Pass
2**	3830.250	40.98	-6.39	54.0	13.02	AV	3.00	200	Vertical	Pass
3	5743.250	93.74	-2.09	--	--	Peak	117.00	150	Vertical	N/A
3**	5743.250	86.31	-2.09	--	--	AV	117.00	150	Vertical	N/A
4	7713.000	53.80	1.75	74.0	20.20	Peak	321.00	400	Vertical	Pass
4**	7713.000	45.75	1.75	54.0	8.25	AV	321.00	400	Vertical	Pass
5	11795.963	53.06	-0.15	74.0	20.94	Peak	167.00	200	Vertical	Pass
5**	11795.963	44.27	-0.15	54.0	9.73	AV	167.00	200	Vertical	Pass
6	15880.050	55.28	1.87	74.0	18.72	Peak	215.00	100	Vertical	Pass
6**	15880.050	46.23	1.87	54.0	7.77	AV	215.00	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)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1617.400	38.80	-16.98	74.0	35.20	Peak	33.00	100	Horizontal	Pass
1**	1617.400	29.00	-16.98	54.0	25.00	AV	33.00	100	Horizontal	Pass
2	3856.250	53.35	-6.70	74.0	20.65	Peak	164.00	300	Horizontal	Pass
2**	3856.250	46.43	-6.70	54.0	7.57	AV	164.00	300	Horizontal	Pass
3	5781.000	96.23	-2.88	--	--	Peak	164.00	200	Horizontal	N/A
3**	5781.000	88.06	-2.88	--	--	AV	164.00	200	Horizontal	N/A
4	7710.250	54.68	1.90	74.0	19.32	Peak	239.00	300	Horizontal	Pass
4**	7710.250	45.28	1.90	54.0	8.72	AV	239.00	300	Horizontal	Pass
5	11768.175	52.91	-0.18	74.0	21.09	Peak	320.00	200	Horizontal	Pass
5**	11768.175	42.52	-0.18	54.0	11.48	AV	320.00	200	Horizontal	Pass
6	16095.563	54.58	1.69	74.0	19.42	Peak	85.00	400	Horizontal	Pass
6**	16095.563	45.88	1.69	54.0	8.12	AV	85.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1495.900	40.01	-17.01	74.0	33.99	Peak	322.00	400	Vertical	Pass
1**	1495.900	29.42	-17.01	54.0	24.58	AV	322.00	400	Vertical	Pass
2	3861.250	47.81	-6.21	74.0	26.19	Peak	34.00	400	Vertical	Pass
2**	3861.250	39.97	-6.21	54.0	14.03	AV	34.00	400	Vertical	Pass
3	5783.750	92.86	-2.79	--	--	Peak	190.00	200	Vertical	N/A
3**	5783.750	86.18	-2.79	--	--	AV	190.00	200	Vertical	N/A
4	7715.000	53.86	1.54	74.0	20.14	Peak	166.00	400	Vertical	Pass
4**	7715.000	45.73	1.54	54.0	8.27	AV	166.00	400	Vertical	Pass
5	11758.675	52.75	-0.19	74.0	21.25	Peak	342.00	200	Vertical	Pass
5**	11758.675	43.48	-0.19	54.0	10.52	AV	342.00	200	Vertical	Pass
6	15897.638	54.66	2.01	74.0	19.34	Peak	268.00	300	Vertical	Pass
6**	15897.638	45.64	2.01	54.0	8.36	AV	268.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1606.400	38.39	-16.73	74.0	35.61	Peak	52.00	100	Horizontal	Pass
1**	1606.400	29.46	-16.73	54.0	24.54	AV	52.00	100	Horizontal	Pass
2	3883.000	54.81	-6.12	74.0	19.19	Peak	151.00	400	Horizontal	Pass
2**	3883.000	46.56	-6.12	54.0	7.44	AV	151.00	400	Horizontal	Pass
3	5820.750	95.48	-2.37	--	--	Peak	151.00	100	Horizontal	N/A
3**	5820.750	87.84	-2.37	--	--	AV	151.00	100	Horizontal	N/A
4	7740.500	54.14	0.65	74.0	19.86	Peak	41.00	100	Horizontal	Pass
4**	7740.500	44.00	0.65	54.0	10.00	AV	41.00	100	Horizontal	Pass
5	12419.401	52.97	1.08	74.0	21.03	Peak	360.00	150	Horizontal	Pass
5**	12419.401	43.45	1.08	54.0	10.55	AV	360.00	150	Horizontal	Pass
6	16067.738	55.12	1.32	74.0	18.88	Peak	25.00	300	Horizontal	Pass
6**	16067.738	45.39	1.32	54.0	8.61	AV	25.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1498.200	39.08	-16.88	74.0	34.92	Peak	324.00	200	Vertical	Pass
1**	1498.200	31.69	-16.88	54.0	22.31	AV	324.00	200	Vertical	Pass
2	3883.000	47.95	-6.12	74.0	26.05	Peak	203.00	400	Vertical	Pass
2**	3883.000	40.78	-6.12	54.0	13.22	AV	203.00	400	Vertical	Pass
3	5824.000	92.62	-2.72	--	--	Peak	114.00	200	Vertical	N/A
3**	5824.000	85.08	-2.72	--	--	AV	114.00	200	Vertical	N/A
4	7422.500	53.70	1.35	74.0	20.30	Peak	1.00	200	Vertical	Pass
4**	7422.500	44.72	1.35	54.0	9.28	AV	1.00	200	Vertical	Pass
5	12475.688	53.55	1.24	74.0	20.45	Peak	357.00	200	Vertical	Pass
5**	12475.688	43.71	1.24	54.0	10.29	AV	357.00	200	Vertical	Pass
6	16132.838	54.62	2.01	74.0	19.38	Peak	29.00	100	Vertical	Pass
6**	16132.838	45.61	2.01	54.0	8.39	AV	29.00	100	Vertical	Pass

11a, U-NII-2C&U-NII-3, 1 GHz to 18 GHz, 144 Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1581.300	38.85	-16.95	74.0	35.15	Peak	126.00	300	Horizontal	Pass
1**	1581.300	28.89	-16.95	54.0	25.11	AV	126.00	300	Horizontal	Pass
2	4304.750	47.31	-5.29	74.0	26.69	Peak	156.00	300	Horizontal	Pass
2**	4304.750	38.03	-5.29	54.0	15.97	AV	156.00	300	Horizontal	Pass
3	5715.000	98.60	-2.17	--	--	Peak	343.00	150	Horizontal	N/A
3**	5715.000	90.29	-2.17	--	--	AV	343.00	150	Horizontal	N/A
4	7705.250	53.09	2.03	74.0	20.91	Peak	60.00	100	Horizontal	Pass
4**	7705.250	45.36	2.03	54.0	8.64	AV	60.00	100	Horizontal	Pass
5	12024.912	52.50	0.13	74.0	21.50	Peak	311.00	200	Horizontal	Pass
5**	12024.912	42.69	0.13	54.0	11.31	AV	311.00	200	Horizontal	Pass
6	16121.026	54.42	1.92	74.0	19.58	Peak	133.00	200	Horizontal	Pass
6**	16121.026	46.07	1.92	54.0	7.93	AV	133.00	200	Horizontal	Pass

11a, U-NII-2C&U-NII-3, 1 GHz to 18 GHz, 144 Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1533.600	38.21	-17.21	74.0	35.79	Peak	168.00	300	Vertical	Pass
1**	1533.600	28.32	-17.21	54.0	25.68	AV	168.00	300	Vertical	Pass
2	4149.500	47.74	-5.46	74.0	26.26	Peak	359.00	200	Vertical	Pass
2**	4149.500	38.68	-5.46	54.0	15.32	AV	359.00	200	Vertical	Pass
3	5718.250	92.73	-2.07	--	--	Peak	321.00	200	Vertical	N/A
3**	5718.250	85.18	-2.07	--	--	AV	321.00	200	Vertical	N/A
4	7677.500	53.16	0.87	74.0	20.84	Peak	360.00	400	Vertical	Pass
4**	7677.500	44.80	0.87	54.0	9.20	AV	360.00	400	Vertical	Pass
5	11789.787	52.99	-0.16	74.0	21.01	Peak	270.00	150	Vertical	Pass
5**	11789.787	43.93	-0.16	54.0	10.07	AV	270.00	150	Vertical	Pass
6	15893.701	55.46	1.98	74.0	18.54	Peak	168.00	400	Vertical	Pass
6**	15893.701	44.78	1.98	54.0	9.22	AV	168.00	400	Vertical	Pass

11n20, U-NII-2C&U-NII-3, 1 GHz to 18 GHz, 144 Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1472.600	38.22	-17.16	74.0	35.78	Peak	308.00	100	Horizontal	Pass
1**	1472.600	28.89	-17.16	54.0	25.11	AV	308.00	100	Horizontal	Pass
2	4383.250	46.86	-5.06	74.0	27.14	Peak	159.00	200	Horizontal	Pass
2**	4383.250	37.20	-5.06	54.0	16.80	AV	159.00	200	Horizontal	Pass
3	5723.000	99.03	-2.53	--	--	Peak	342.00	150	Horizontal	N/A
3**	5723.000	90.58	-2.53	--	--	AV	342.00	150	Horizontal	N/A
4	7454.250	53.19	0.28	74.0	20.81	Peak	260.00	300	Horizontal	Pass
4**	7454.250	43.51	0.28	54.0	10.49	AV	260.00	300	Horizontal	Pass
5	12463.575	52.79	1.15	74.0	21.21	Peak	278.00	150	Horizontal	Pass
5**	12463.575	43.70	1.15	54.0	10.30	AV	278.00	150	Horizontal	Pass
6	16153.050	55.16	2.13	74.0	18.84	Peak	96.00	300	Horizontal	Pass
6**	16153.050	45.65	2.13	54.0	8.35	AV	96.00	300	Horizontal	Pass

11n20, U-NII-2C&U-NII-3, 1 GHz to 18 GHz, 144 Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1475.400	38.24	-17.16	74.0	35.76	Peak	271.00	300	Vertical	Pass
1**	1475.400	29.17	-17.16	54.0	24.83	AV	271.00	300	Vertical	Pass
2	4137.250	47.33	-5.47	74.0	26.67	Peak	199.00	100	Vertical	Pass
2**	4137.250	37.71	-5.47	54.0	16.29	AV	199.00	100	Vertical	Pass
3	5715.750	92.55	-2.01	--	--	Peak	328.00	200	Vertical	N/A
3**	5715.750	86.09	-2.01	--	--	AV	328.00	200	Vertical	N/A
4	7325.250	53.45	-0.01	74.0	20.55	Peak	41.00	300	Vertical	Pass
4**	7325.250	43.24	-0.01	54.0	10.76	AV	41.00	300	Vertical	Pass
5	11700.487	52.94	-0.51	74.0	21.06	Peak	173.00	150	Vertical	Pass
5**	11700.487	44.91	-0.51	54.0	9.09	AV	173.00	150	Vertical	Pass
6	15893.175	55.31	1.97	74.0	18.69	Peak	358.00	300	Vertical	Pass
6**	15893.175	45.15	1.97	54.0	8.85	AV	358.00	300	Vertical	Pass

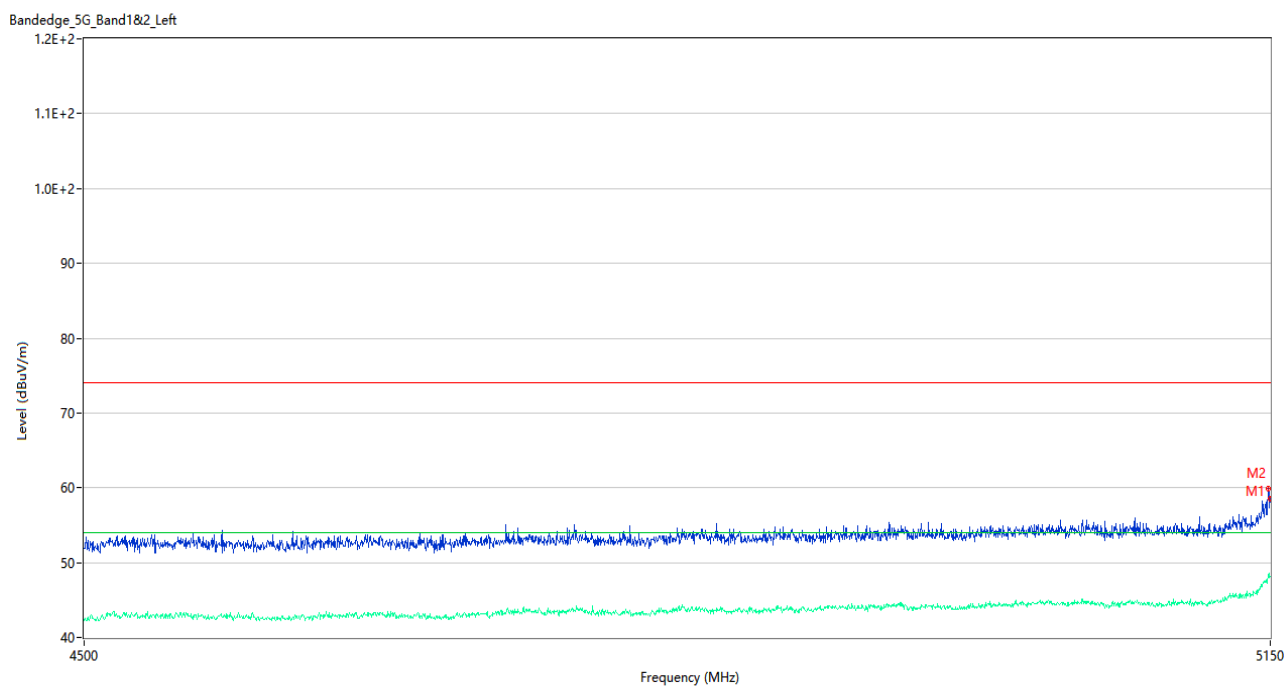
A.6.2 Band Edge (Restricted-band)

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

Test Band	Mode	Channel	Verdict
U-NII-2C & U-NII-3	802.11a	144	Pass
	802.11n(HT20)	144	Pass

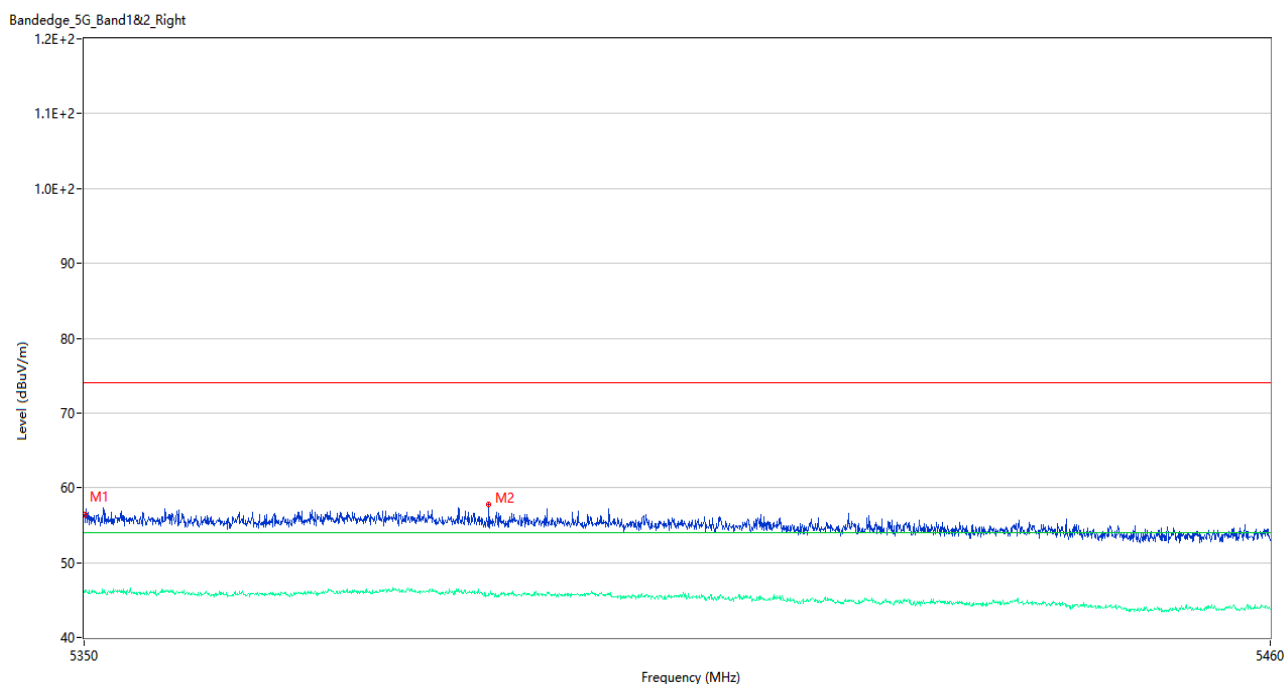
Test Data and Plots

U-NII-1 11a Low Channel



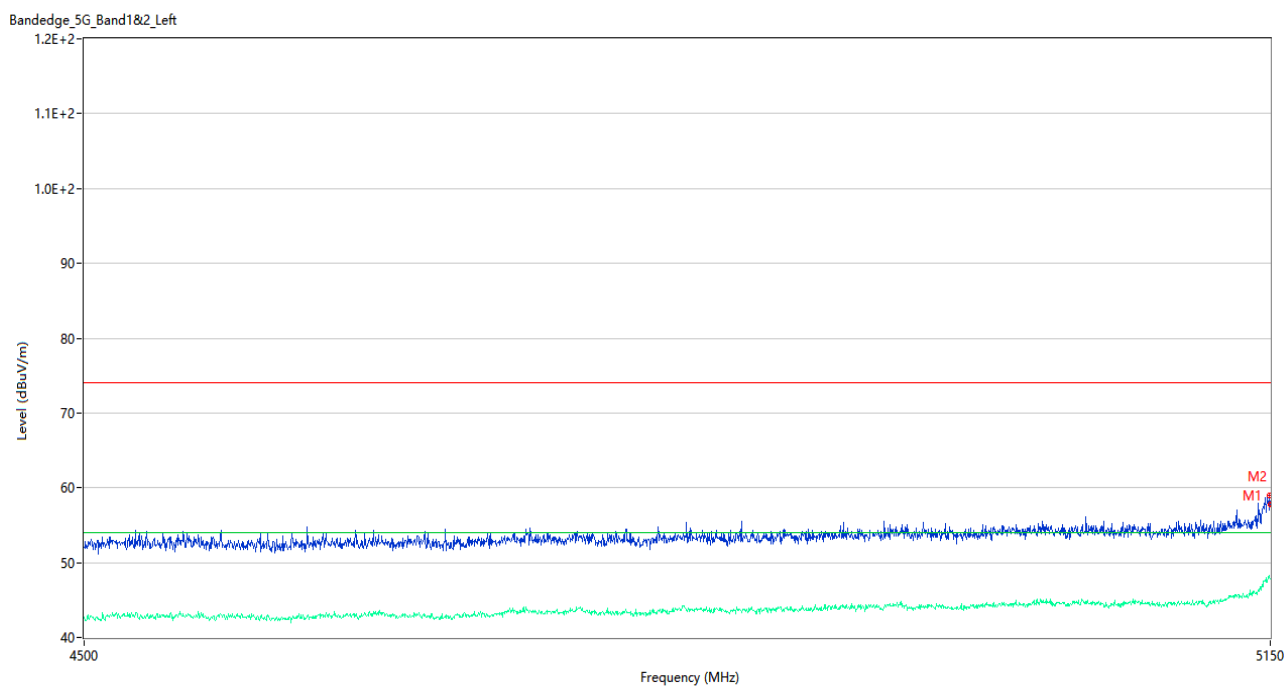
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5149.025	59.95	2.87	74.0	14.05	Peak	183.00	150	Horizontal	Pass
1**	5149.025	48.05	2.87	54.0	5.95	AV	183.00	150	Horizontal	Pass
2	5150.000	58.56	2.86	74.0	15.44	Peak	171.00	100	Horizontal	Pass
2**	5150.000	48.06	2.86	54.0	5.94	AV	171.00	100	Horizontal	Pass

U-NII-1 11a High Channel



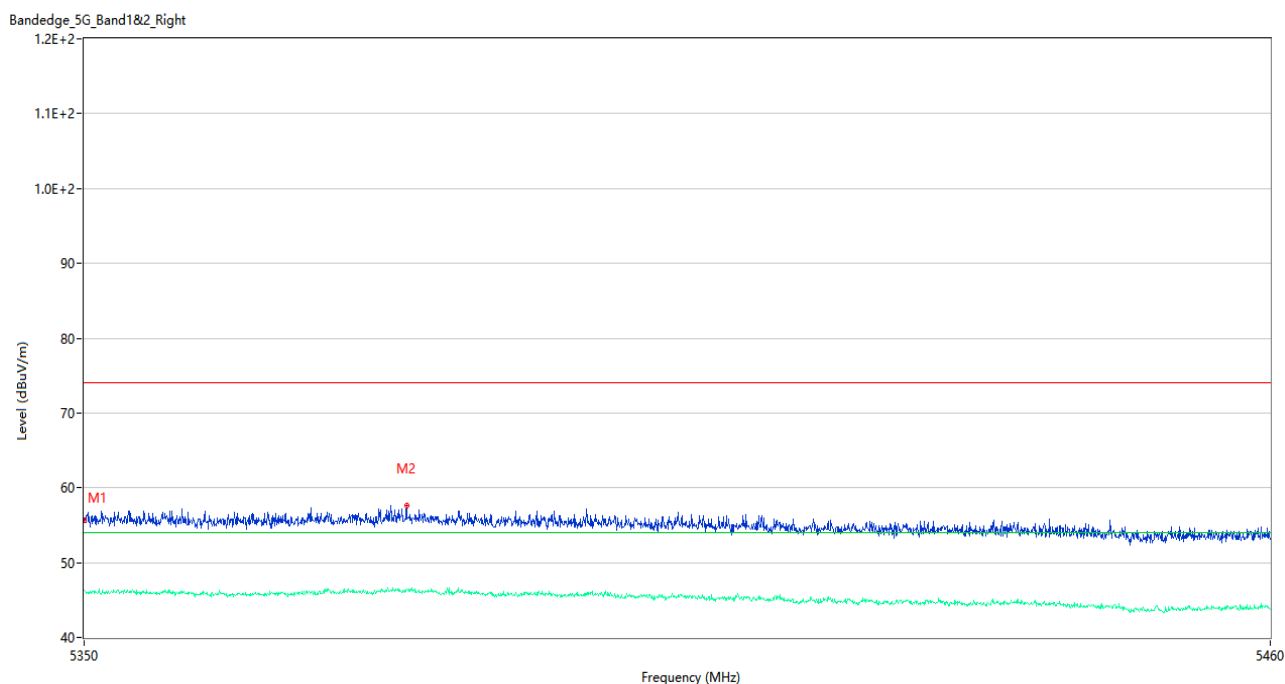
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	56.38	3.30	74.0	17.62	Peak	225.00	100	Horizontal	Pass
1**	5350.055	46.30	3.30	54.0	7.70	AV	225.00	100	Horizontal	Pass
2	5387.290	57.80	2.87	74.0	16.20	Peak	264.00	200	Horizontal	Pass
2**	5387.290	45.91	2.87	54.0	8.09	AV	264.00	200	Horizontal	Pass

U-NII-1 11n20 Low Channel



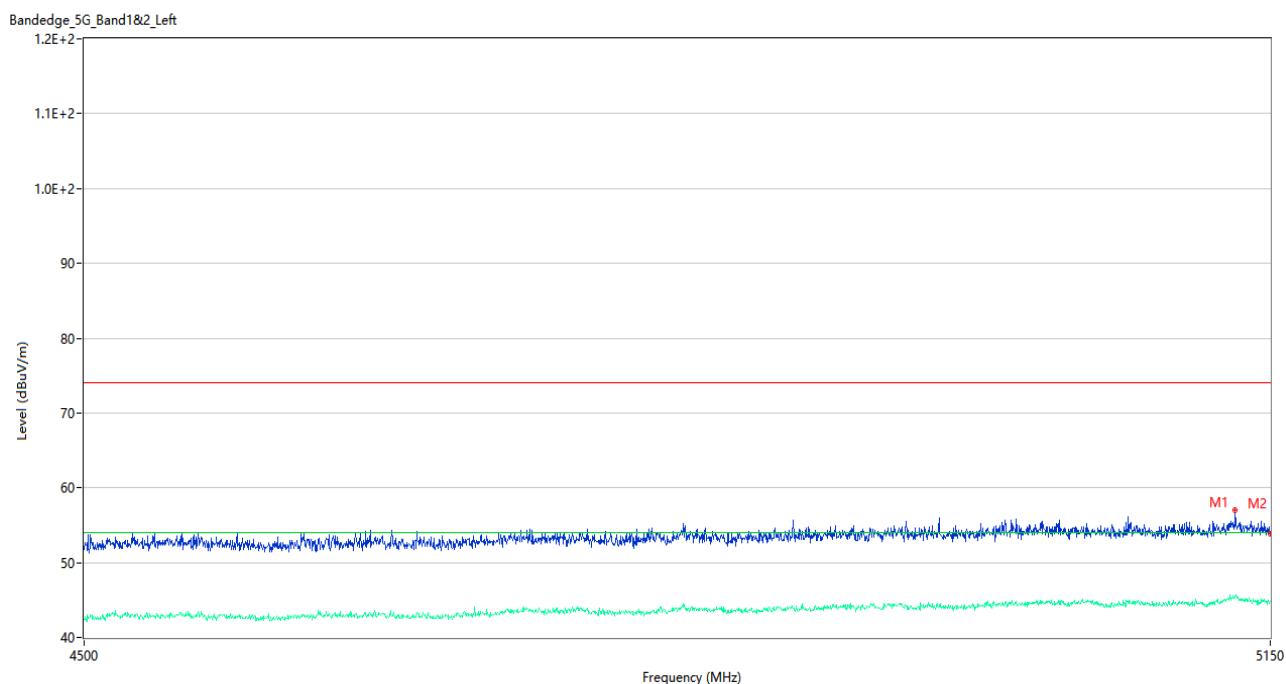
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5149.675	58.92	2.85	74.0	15.08	Peak	173.00	100	Horizontal	Pass
1**	5149.675	48.08	2.85	54.0	5.92	AV	173.00	100	Horizontal	Pass
2	5150.000	57.74	2.86	74.0	16.26	Peak	183.00	200	Horizontal	Pass
2**	5150.000	47.83	2.86	54.0	6.17	AV	183.00	200	Horizontal	Pass

U-NII-1 11n20 High Channel



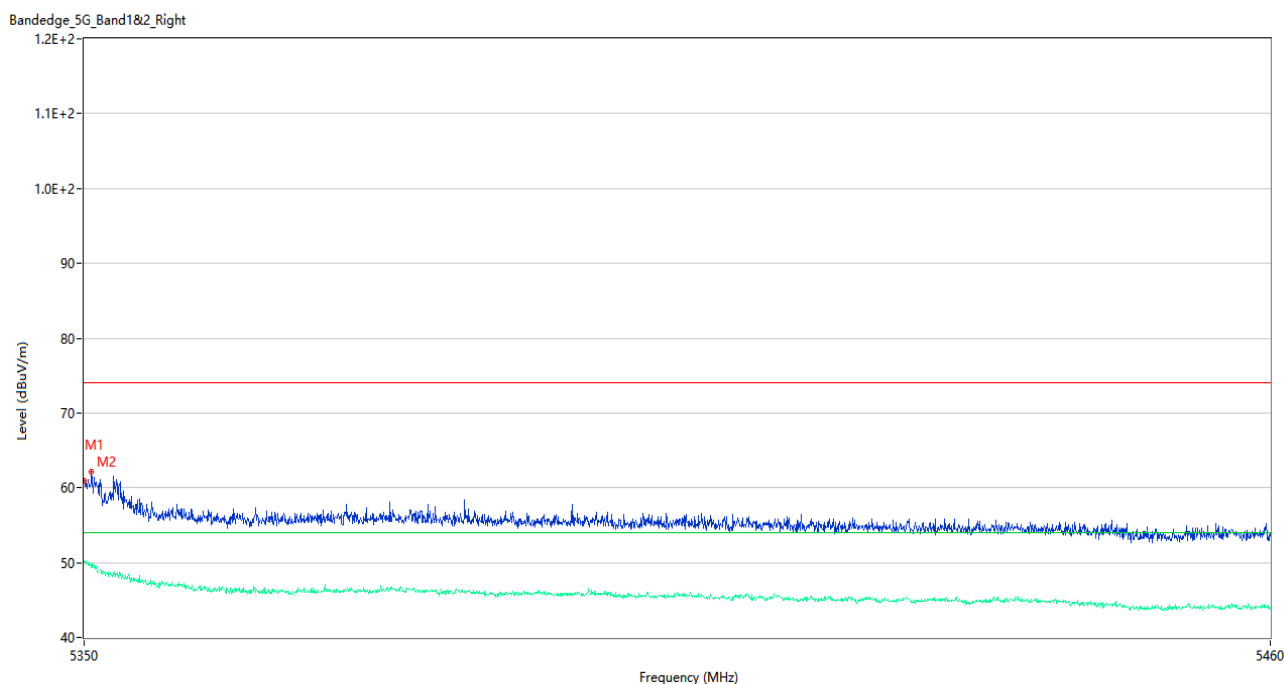
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.69	3.32	74.0	18.31	Peak	93.00	100	Horizontal	Pass
1**	5350.000	46.31	3.32	54.0	7.69	AV	93.00	100	Horizontal	Pass
2	5379.700	57.66	3.21	74.0	16.34	Peak	360.00	100	Horizontal	Pass
2**	5379.700	46.44	3.21	54.0	7.56	AV	360.00	100	Horizontal	Pass

U-NII-2A 11a Low Channel



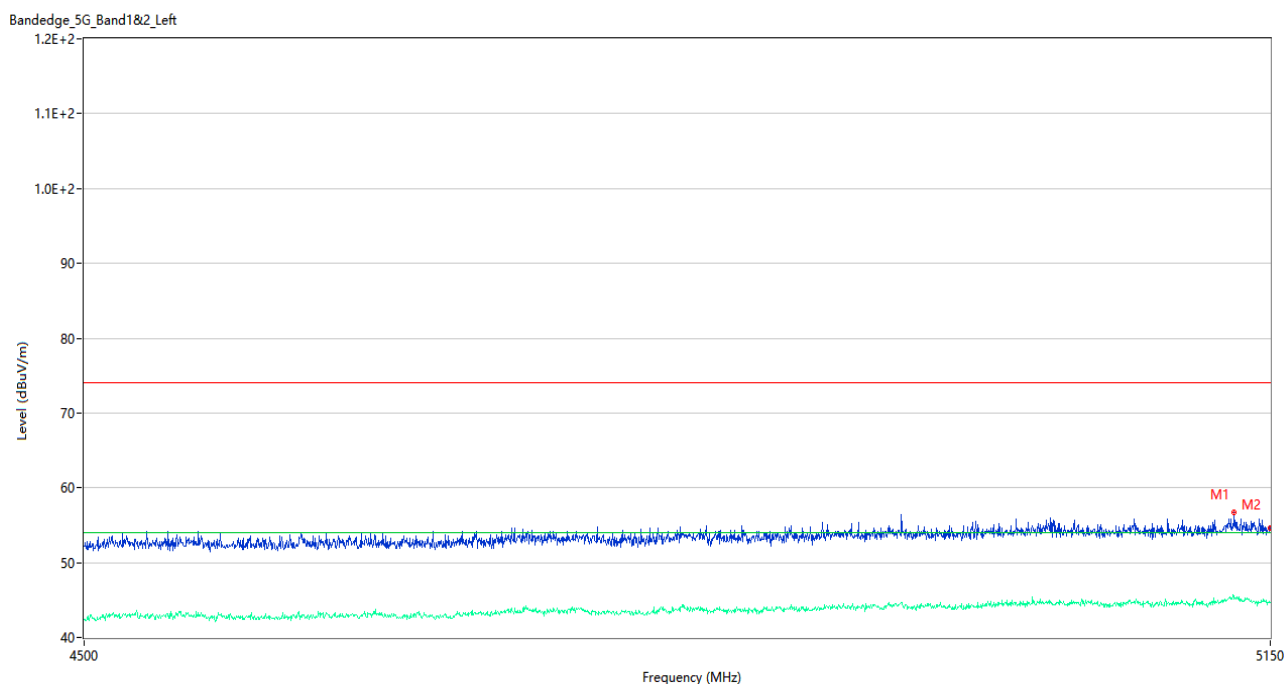
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5129.525	57.00	3.38	74.0	17.00	Peak	147.00	100	Horizontal	Pass
1**	5129.525	45.38	3.38	54.0	8.62	AV	147.00	100	Horizontal	Pass
2	5150.000	53.88	2.86	74.0	20.12	Peak	159.00	100	Horizontal	Pass
2**	5150.000	44.78	2.86	54.0	9.22	AV	159.00	100	Horizontal	Pass

U-NII-2A 11a High Channel



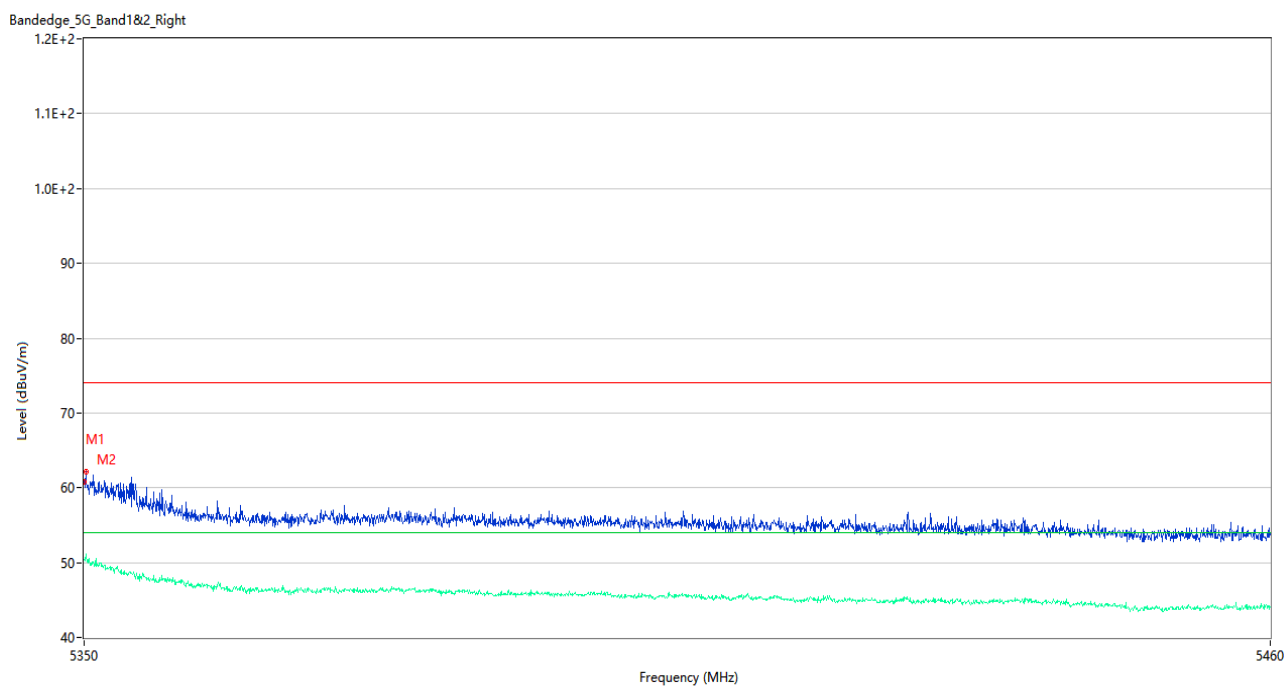
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	60.99	3.32	74.0	13.01	Peak	195.00	100	Horizontal	Pass
1**	5350.000	50.18	3.32	54.0	3.82	AV	195.00	100	Horizontal	Pass
2	5350.660	62.19	3.19	74.0	11.81	Peak	198.00	200	Horizontal	Pass
2**	5350.660	49.41	3.19	54.0	4.59	AV	198.00	200	Horizontal	Pass

U-NII-2A 11n20 Low Channel



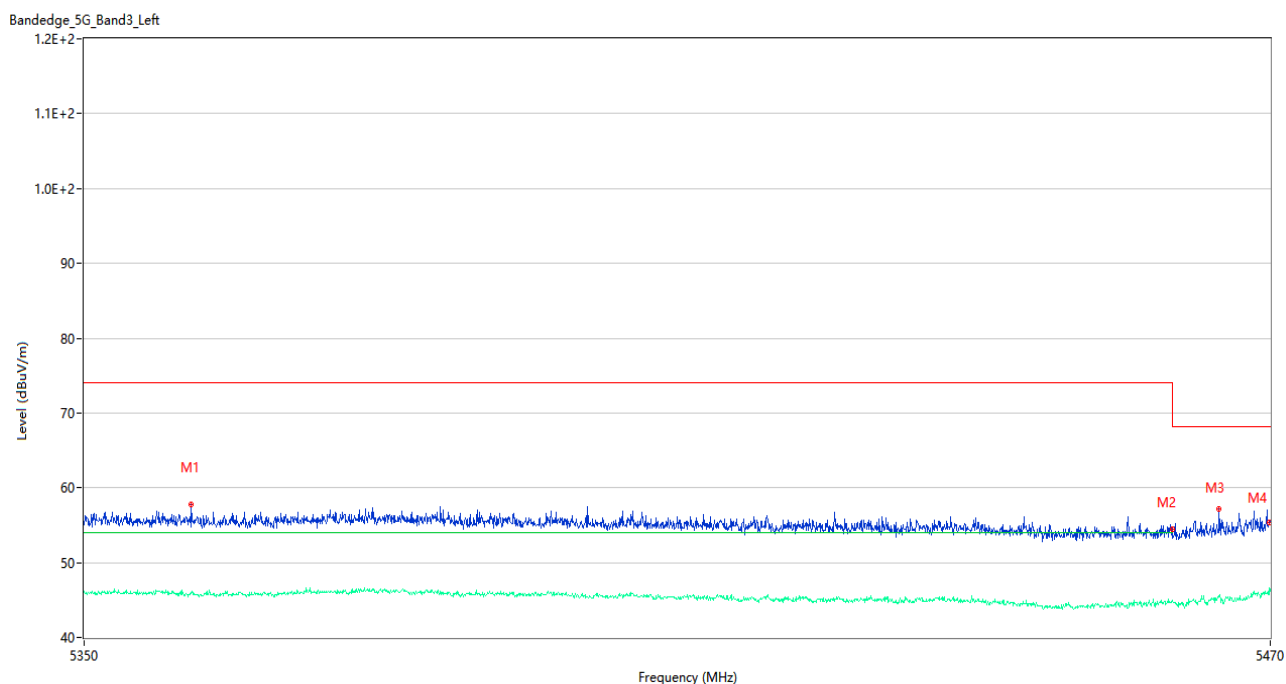
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5128.875	56.69	3.29	74.0	17.31	Peak	0.00	150	Horizontal	Pass
1**	5128.875	45.51	3.29	54.0	8.49	AV	0.00	150	Horizontal	Pass
2	5150.000	54.61	2.86	74.0	19.39	Peak	154.00	200	Horizontal	Pass
2**	5150.000	44.71	2.86	54.0	9.29	AV	154.00	200	Horizontal	Pass

U-NII-2A 11n20 High Channel



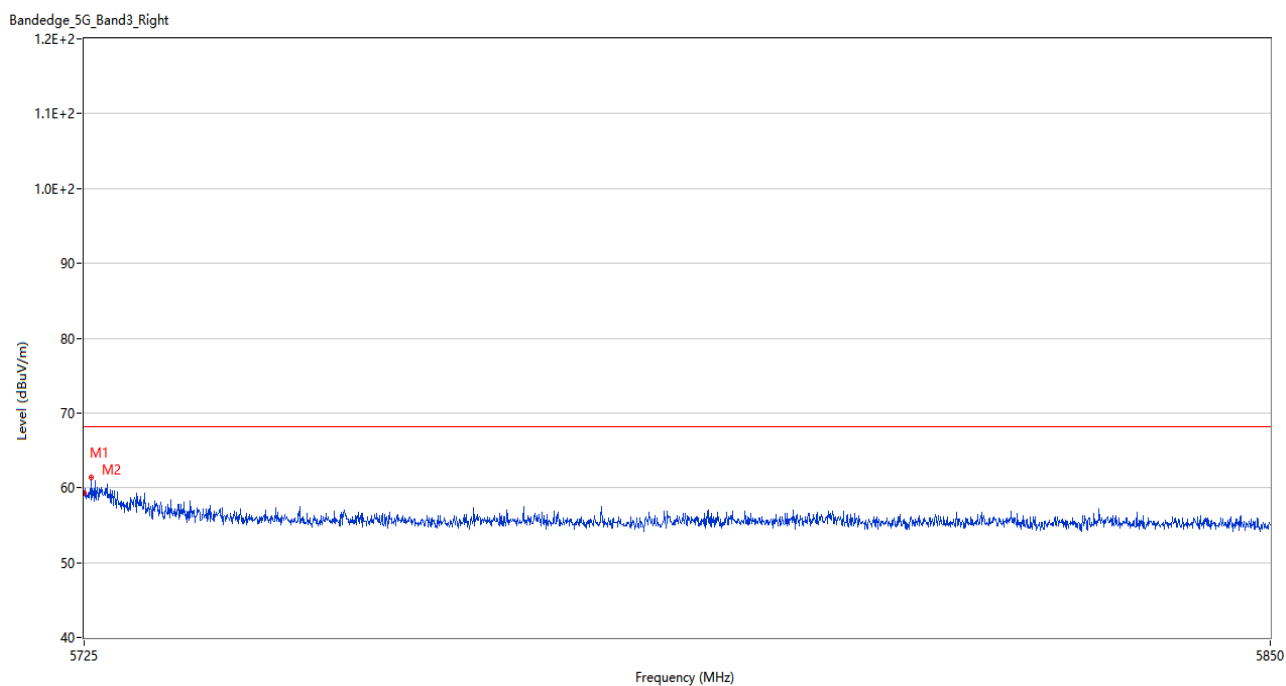
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	60.77	3.32	74.0	13.23	Peak	181.00	100	Horizontal	Pass
1**	5350.000	50.34	3.32	54.0	3.66	AV	181.00	100	Horizontal	Pass
2	5350.165	62.14	3.25	74.0	11.86	Peak	181.00	100	Horizontal	Pass
2**	5350.165	50.98	3.25	54.0	3.02	AV	181.00	100	Horizontal	Pass

U-NII-2C 11a Low Channel



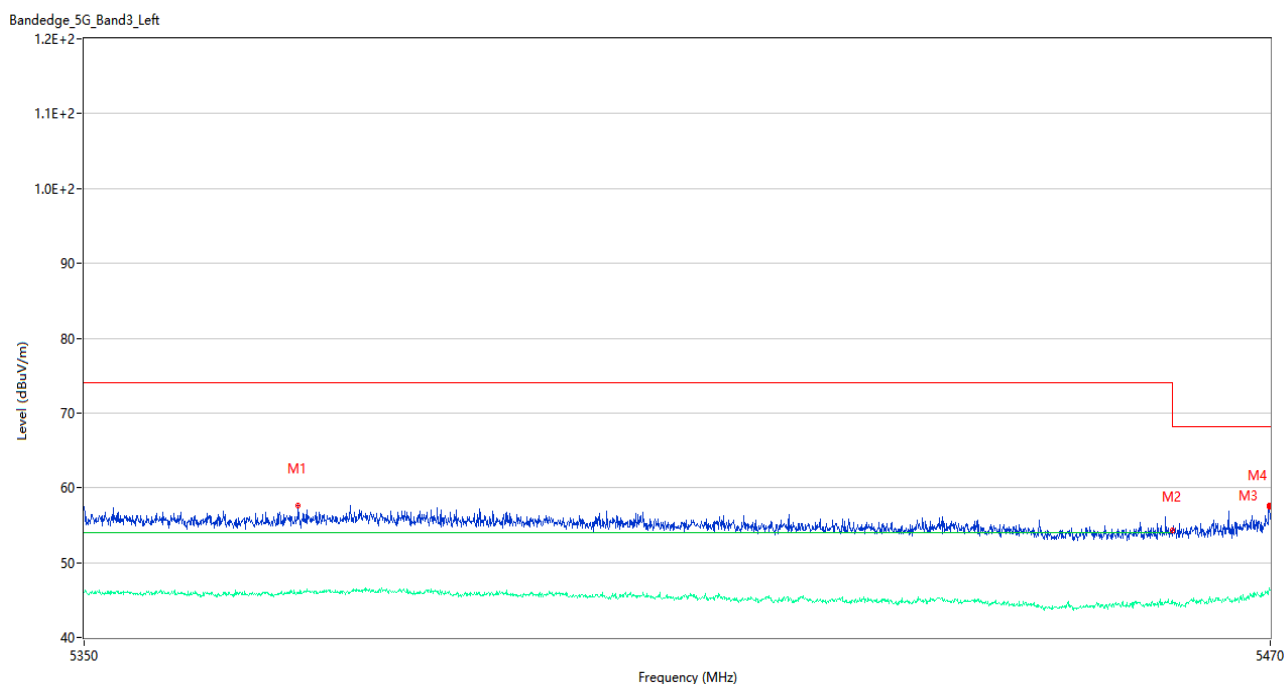
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5360.740	57.79	2.78	74.0	16.21	Peak	308.00	100	Horizontal	Pass
1**	5360.740	45.94	2.78	54.0	8.06	AV	308.00	100	Horizontal	Pass
2	5459.980	54.50	3.49	74.0	19.50	Peak	218.00	200	Horizontal	Pass
2**	5459.980	45.00	3.49	54.0	9.00	AV	218.00	200	Horizontal	Pass
3	5464.780	57.18	3.49	68.2	11.02	Peak	184.00	200	Horizontal	Pass
3**	5464.780	45.41	3.49	--	--	AV	184.00	200	Horizontal	N/A
4	5469.940	55.37	3.29	68.2	12.83	Peak	179.00	200	Horizontal	Pass
4**	5469.940	45.79	3.29	--	--	AV	179.00	200	Horizontal	N/A

U-NII-2C 11a High Channel



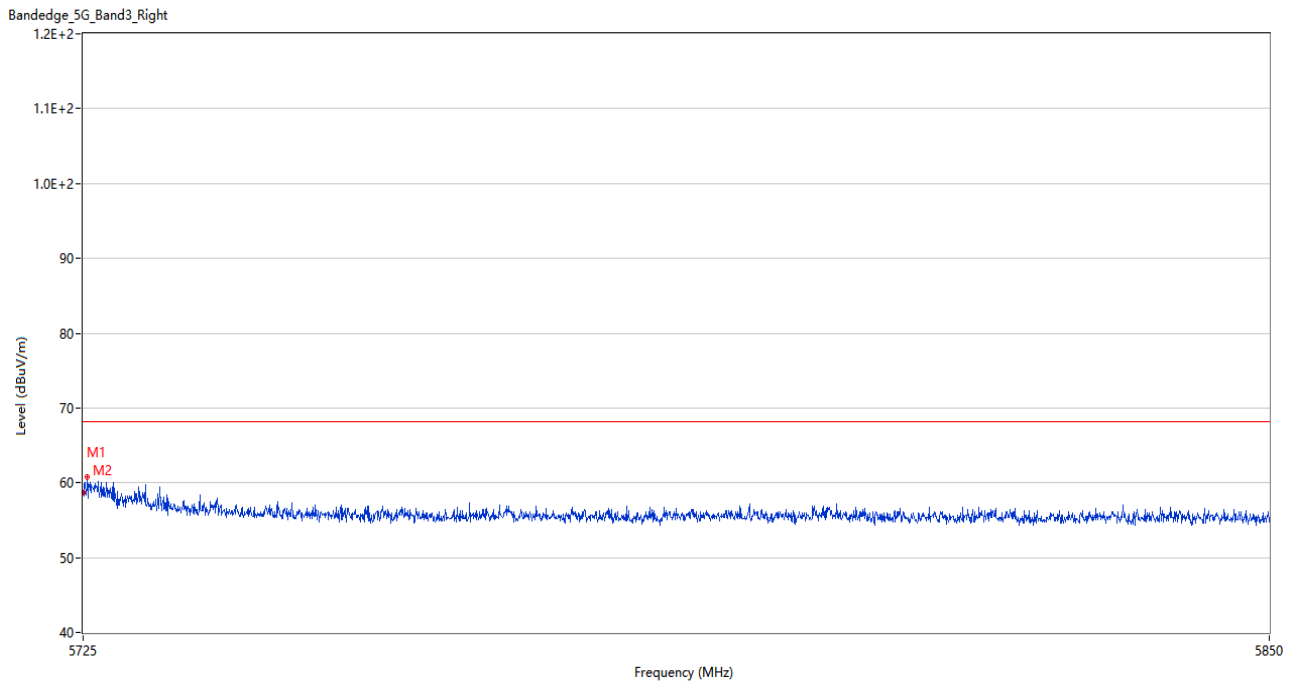
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	59.28	3.51	68.2	8.92	Peak	172.00	200	Horizontal	Pass
2	5725.750	61.38	3.71	68.2	6.82	Peak	176.00	100	Horizontal	Pass

U-NII-2C 11n20 Low Channel



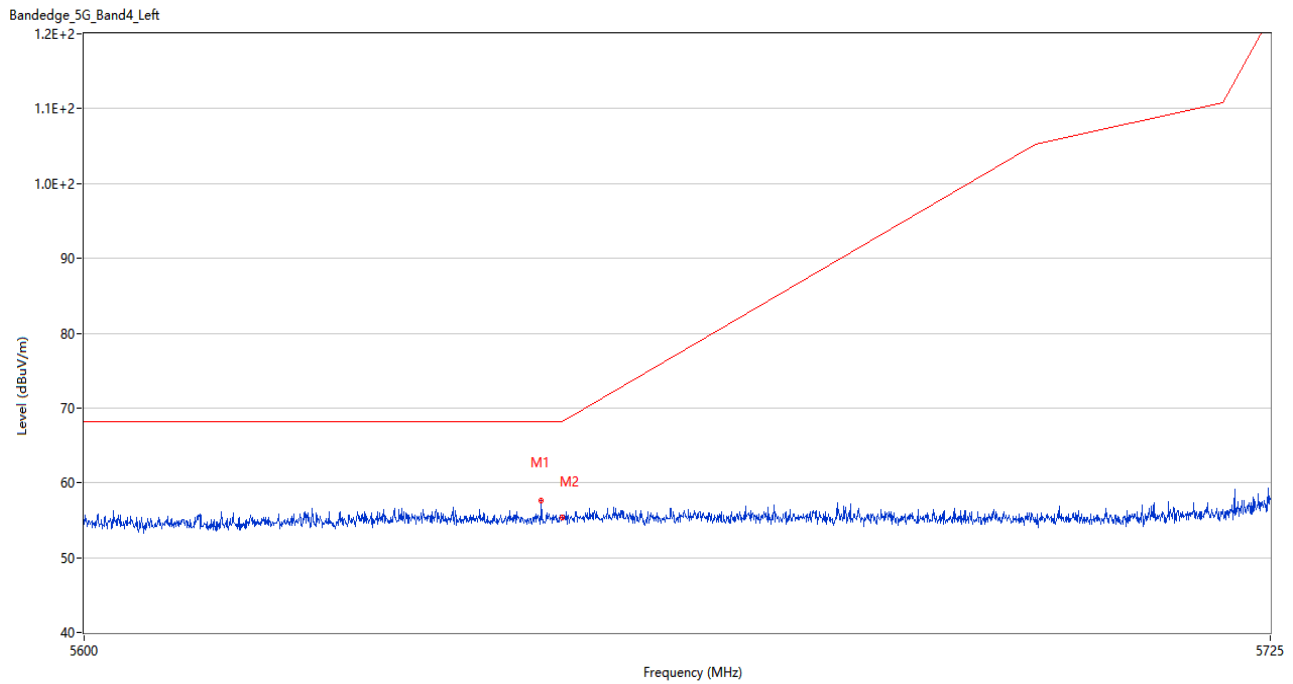
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5371.480	57.66	2.71	74.0	16.34	Peak	303.00	150	Horizontal	Pass
1**	5371.480	45.82	2.71	54.0	8.18	AV	303.00	150	Horizontal	Pass
2	5459.980	54.27	3.49	74.0	19.73	Peak	239.00	200	Horizontal	Pass
2**	5459.980	44.58	3.49	54.0	9.42	AV	239.00	200	Horizontal	Pass
3	5469.880	57.49	3.28	68.2	10.71	Peak	191.00	200	Horizontal	Pass
3**	5469.880	46.56	3.28	--	--	AV	191.00	200	Horizontal	N/A
4	5469.940	57.57	3.29	68.2	10.63	Peak	191.00	150	Horizontal	Pass
4**	5469.940	46.31	3.29	--	--	AV	191.00	150	Horizontal	N/A

U-NII-2C 11n20 High Channel



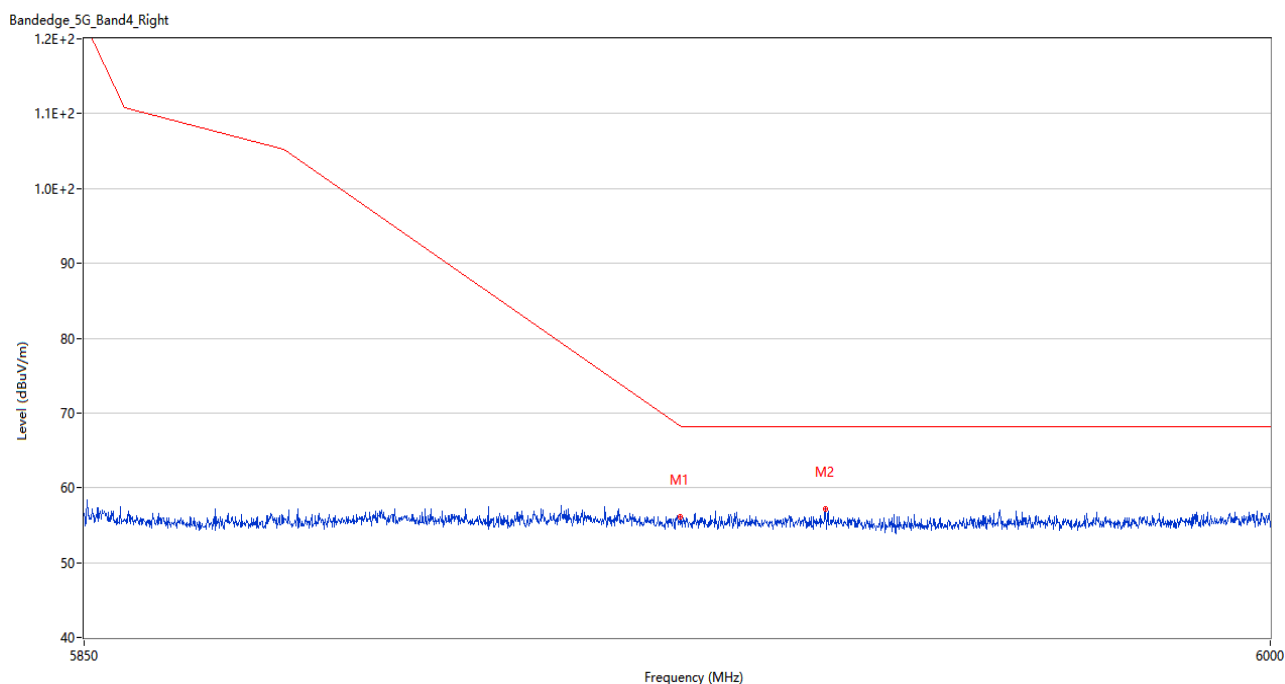
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	58.71	3.51	68.2	9.49	Peak	169.00	100	Horizontal	Pass
2	5725.437	60.83	3.42	68.2	7.37	Peak	169.00	100	Horizontal	Pass

U-NII-3 11a Low Channel



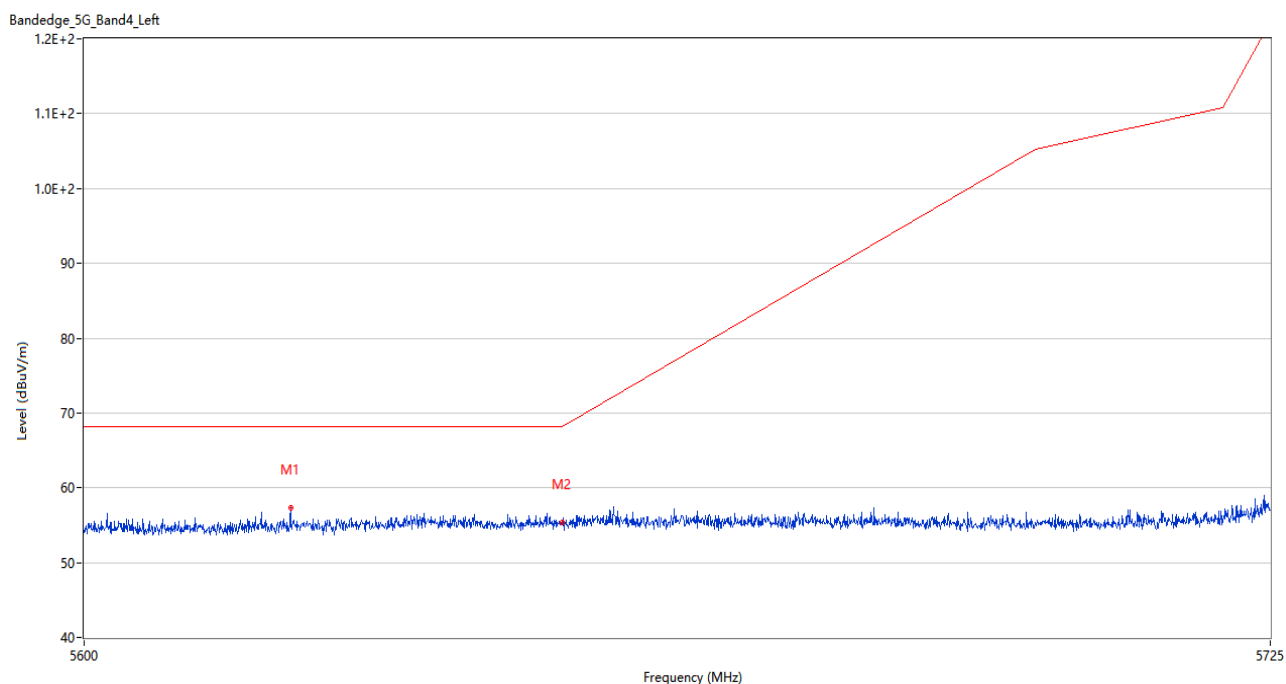
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5647.875	57.68	3.36	68.2	10.52	Peak	208.00	100	Horizontal	Pass
2	5650.000	55.44	3.72	68.2	12.76	Peak	111.00	200	Horizontal	Pass

U-NII-3 11a High Channel



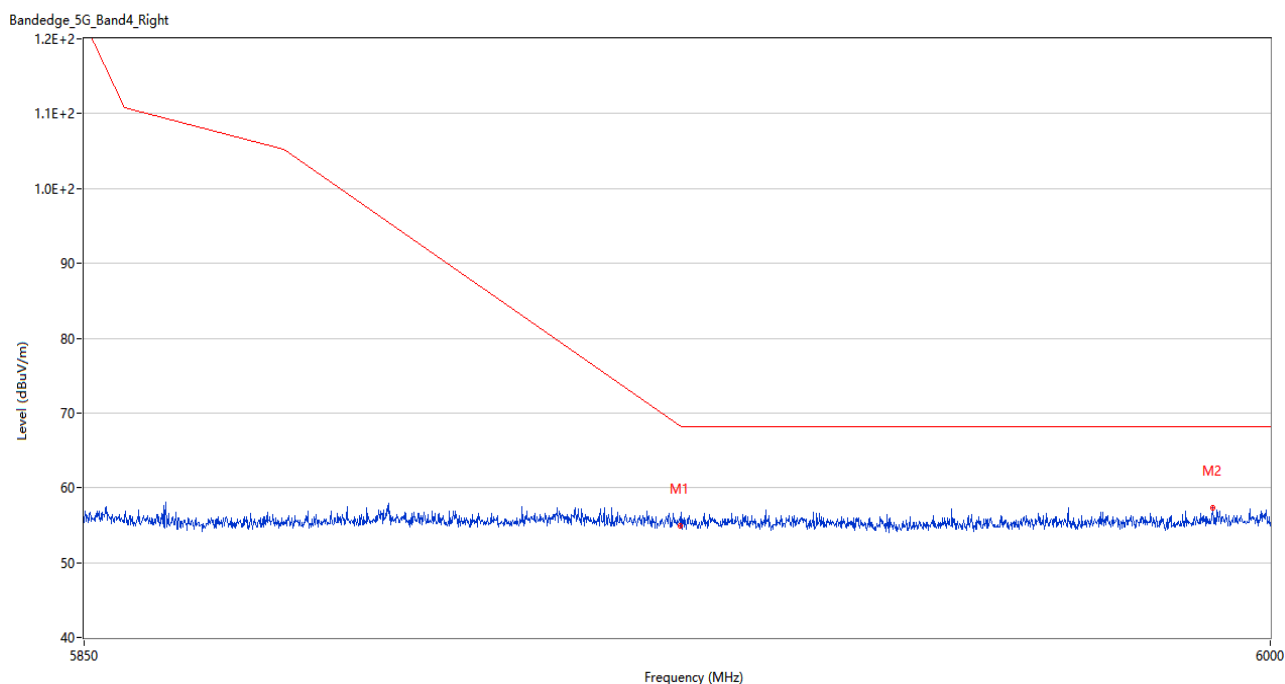
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	56.06	3.42	68.3	12.24	Peak	298.00	150	Horizontal	Pass
2	5943.300	57.17	3.39	68.2	11.03	Peak	283.00	200	Horizontal	Pass

U-NII-3 11n20 Low Channel



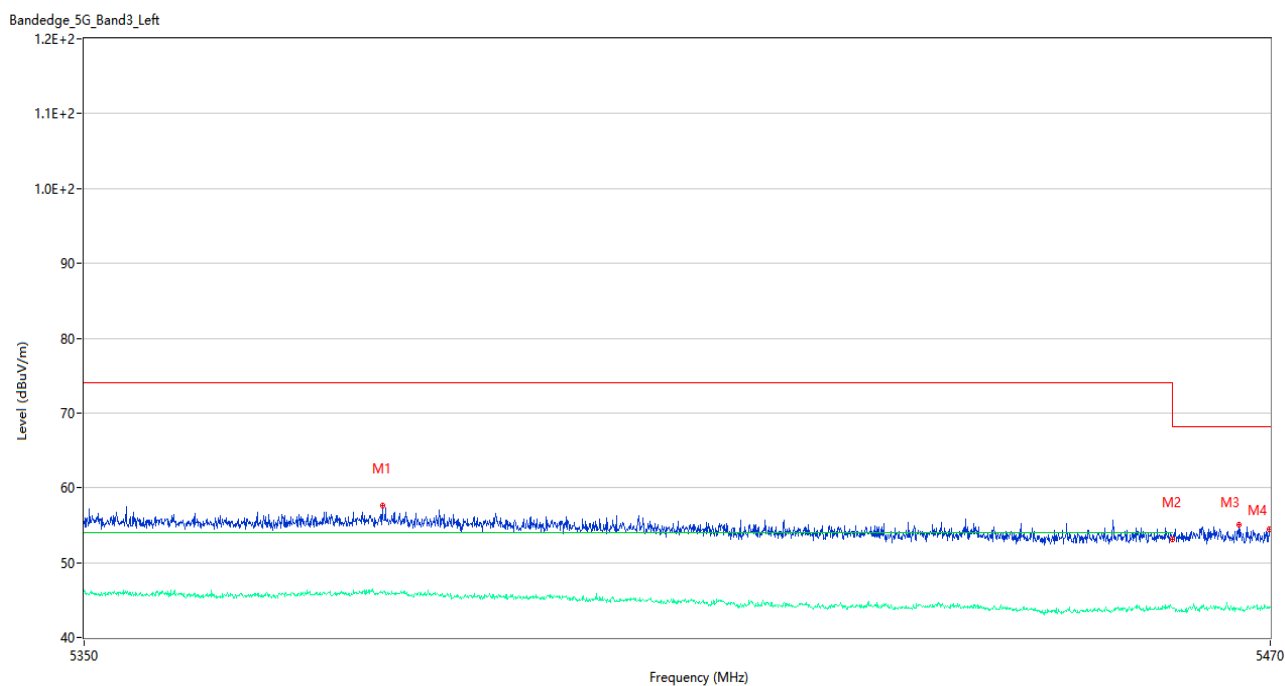
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5621.562	57.39	3.63	68.2	10.81	Peak	322.00	100	Horizontal	Pass
2	5650.000	55.42	3.72	68.2	12.78	Peak	268.00	100	Horizontal	Pass

U-NII-3 11n20 High Channel



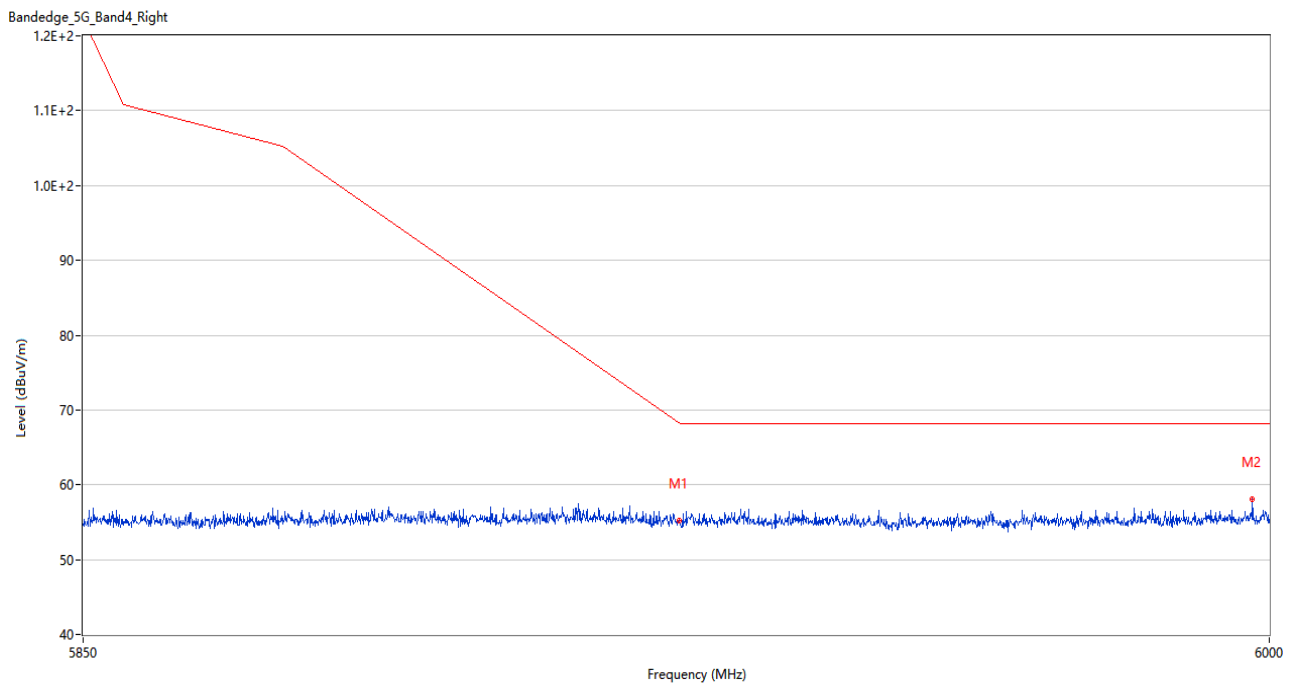
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	54.88	3.42	68.3	13.42	Peak	42.00	200	Horizontal	Pass
2	5992.650	57.30	4.61	68.2	10.90	Peak	253.00	200	Horizontal	Pass

U-NII-2C & U-NII-3 11a 144 Channel



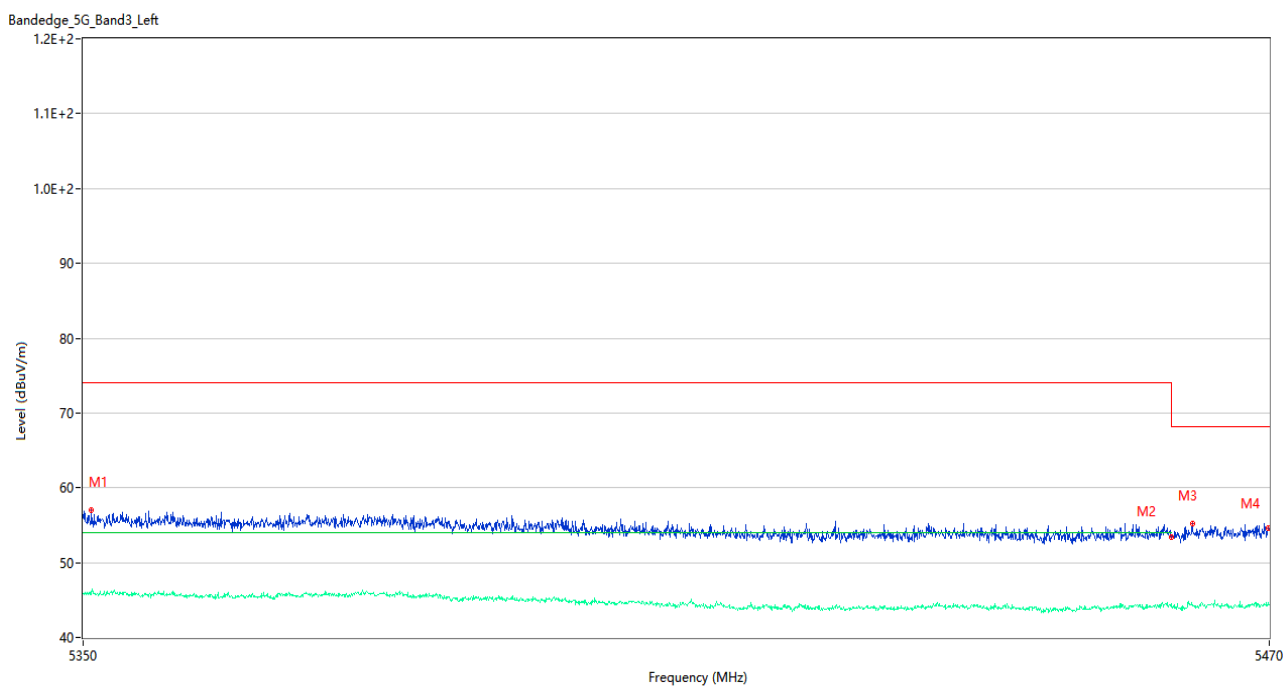
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5379.940	57.58	3.25	74.0	16.42	Peak	308.00	150	Horizontal	Pass
1**	5379.940	45.87	3.25	54.0	8.13	AV	308.00	150	Horizontal	Pass
2	5459.980	53.04	3.49	74.0	20.96	Peak	259.00	200	Horizontal	Pass
2**	5459.980	43.89	3.49	54.0	10.11	AV	259.00	200	Horizontal	Pass
3	5466.820	55.10	3.27	68.2	13.10	Peak	95.00	200	Horizontal	Pass
3**	5466.820	43.80	3.27	--	--	AV	95.00	200	Horizontal	N/A
4	5469.940	54.51	3.29	68.2	13.69	Peak	195.00	100	Horizontal	Pass
4**	5469.940	43.88	3.29	--	--	AV	195.00	100	Horizontal	N/A

U-NII-2C & U-NII-3 11a 144 Channel



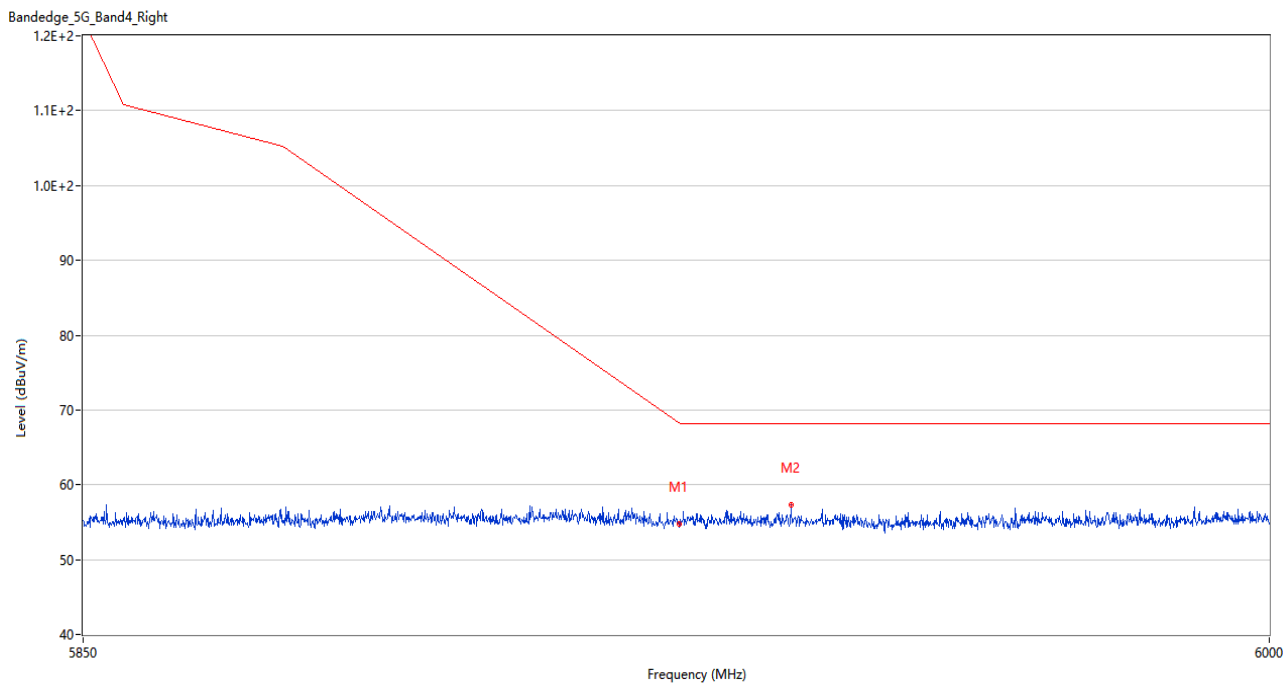
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	55.21	3.42	68.3	13.09	Peak	74.00	150	Horizontal	Pass
2	5997.825	58.01	4.97	68.2	10.19	Peak	129.00	200	Horizontal	Pass

U-NII-2C & U-NII-3 11n20 144 Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.840	57.05	3.25	74.0	16.95	Peak	0.00	200	Horizontal	Pass
1**	5350.840	45.77	3.25	54.0	8.23	AV	0.00	200	Horizontal	Pass
2	5459.980	53.44	3.49	74.0	20.56	Peak	360.00	100	Horizontal	Pass
2**	5459.980	44.49	3.49	54.0	9.51	AV	360.00	100	Horizontal	Pass
3	5462.140	55.19	3.57	68.2	13.01	Peak	218.00	150	Horizontal	Pass
3**	5462.140	44.26	3.57	--	--	AV	218.00	150	Horizontal	N/A
4	5469.940	54.59	3.29	68.2	13.61	Peak	234.00	100	Horizontal	Pass
4**	5469.940	44.31	3.29	--	--	AV	234.00	100	Horizontal	N/A

U-NII-2C & U-NII-3 11n20 144 Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	54.41	3.42	68.3	13.89	Peak	96.00	200	Horizontal	Pass
2	5939.025	57.33	3.66	68.2	10.87	Peak	0.00	150	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2430976-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2430976-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2430976-AI.PDF”.

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--END OF REPORT--