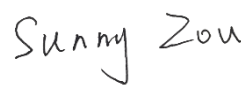
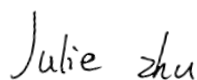


TEST REPORT

Applicant: OnePlus Technology (Shenzhen) Co., Ltd.
Address: 18C02, 18C03, 18C04, and 18C05, Shum Yip Terra Building, Binhe Avenue North, Futian District, Shenzhen, Guangdong, P.R. China
Equipment Type: Watch
Model Name: OPWWE251
Brand Name: ONEPLUS
FCC ID: 2ABZ2-OPWWE251
ISED Number: 12739A-OPWWE251
Test Standard: 47 CFR Part 15 Subpart E
RSS-Gen Issue 5
RSS-247 Issue 3
(refer to section 3.1)
Sample Arrival Date: Sep. 18, 2024
Test Date: Sep. 25, 2024 - Nov. 22, 2024
Date of Issue: Nov. 25, 2024

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>Nov. 11, 2024</u>	<u>Initial Issue</u>
<u>Rev. 02</u>	<u>Nov. 25, 2024</u>	<u>Update A.4 Power Spectral Density.</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	OnePlus Technology (Shenzhen) Co., Ltd.
Address	18C02, 18C03, 18C04, and 18C05, Shum Yip Terra Building, Binhe Avenue North, Futian District, Shenzhen, Guangdong, P.R. China

2.2 Manufacturer Information

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

2.3 General Description for Equipment under Test (EUT)

EUT Name	Watch
Model Name Under Test	OPWWE251
Series Model Name	N/A
Description of Model name differentiation	N/A
Serial Number	S01: H621134000019E8W004E S02: H621134000019E8W004D S05: H621134000019E8M00E8
Hardware Version	XK929
Software Version	OPWWE251_11_A.02
Dimensions (Approx.)	46.6mm*47.6mm*11.75mm
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) GNSS, 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: 33.34 mW U-NII-2A: 44.57 mW U-NII-2C: 46.56 mW U-NII-3: 48.08 mW
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	Monopole Antenna
Antenna Gain	U-NII-1: 5150 MHz to 5250 MHz: -0.50 dBi U-NII-2A: 5250 MHz to 5350 MHz: -0.50 dBi U-NII-2C: 5470 MHz to 5725 MHz: -0.50 dBi U-NII-3: 5725 MHz to 5850 MHz: -0.50 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
149	5745
153	5765
157	5785
161	5805
165	5825

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

For 802.11a/n(HT20)

U-NII-1 (5150 - 5250 MHz)			U-NII-2A (5250 - 5350 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
36	Low	5180	52	Low	5260
44	Mid	5220	60	Mid	5300
48	High	5240	64	High	5320

U-NII-2C (5470 - 5725 MHz)			U-NII-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
100	Low	5500	149	Low	5745
116	Mid	5580	157	Mid	5785
140	High	5700	165	High	5825

Note: Preliminary tests were performed in different data rate in above table to find the worst radiated emission. The data rate shown in the table below is the worst-case rate with respect to the specific test item. Investigation has been done on all the possible configurations for searching the worst cases. The following table is a list of the test modes shown in this test report.

Test Items	Mode	Data Rate	Modulation Type	U-NII-1	U-NII-2A	U-NII-2C	U-NII-3
				Channel	Channel	Channel	Channel
RF Output Power	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
Emission Bandwidth & 99% Occupied Bandwidth	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
6 dB bandwidth	11a	6	BPSK	N/A	N/A	N/A	165/157/149
	11n(20 MHz)	6.5		N/A	N/A	N/A	165/157/149
Power Spectral Density	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
Radiated Spurious Emissions	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
Band Edge (Restricted-band)	11a	6	BPSK	48/36	64/52	140/100	165/149
	11n(20 MHz)	6.5		48/36	64/52	140/100	165/149

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

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

3.2 Test Verdict

No.	Description	FCC Part No.	RSS Part No.	Test Result	Verdict
1	Antenna Requirement	15.203	RSS-247, 6.2	--	Pass ^{Note1}
2	RF Output Power	15.407(a)	RSS-247, 6.2	ANNEX A.1	Pass
3	Emission Bandwidth & 99% Occupied Bandwidth	15.407(a)	RSS-247, 6.2	ANNEX A.2	Pass
4	6 dB bandwidth	15.407(e)	RSS-247, 6.2	ANNEX A.3	Pass
5	Power Spectral Density	15.407(a)	RSS-247, 6.2	ANNEX A.4	Pass
6	Conducted Emission	15.207	RSS-GEN, 8.8	ANNEX A.5	Pass
7	Radiated Spurious Emissions and Band Edge (Restricted-band)	15.407(b)	RSS-247, 6.2	ANNEX A.6	Pass
8	Receiver Spurious Emissions	--	RSS-Gen, 7.1.2	--	N/A ^{Note2}

Note ¹: The EUT has a permanently and irreplaceable attached antenna, which complies with the requirement FCC 15.203.

Note ²: Only radio communication receivers operating in stand-alone mode within the U-NII-30-960 MHz, as well as scanner receivers, are subject to Industry Canada requirements, so this test is not applicable.

Note ³: Under all normal operating conditions specified in the user manual, frequency stability can keep radiation within the operating frequency band.

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

During the measurement, the normal environmental conditions were within the listed ranges:

Relative Humidity	40% to 55%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+21.0℃ to +24.0℃
Working Voltage of the EUT	NV (Normal Voltage)	3.89V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-40	101544	2023.12.27	2024.12.26
Spectrum Analyzer	KEYSIGHT	N9020A	MY56060183	2024.08.01	2025.07.31
Power Sensor	KEYSIGHT	U2063XA	MY58000251	2024.07.04	2025.07.03
Spectrum Analyzer	KEYSIGHT	N9020A	MY50531259	2024.08.01	2025.07.31
Signaling Unit	ROHDE&SCHWARZ	CMW500	171150	2024.05.22	2025.05.21
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	02460	2024.05.16	2027.05.15
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2024.06.15	2027.06.14
Anechoic Chamber	RAINFORD	9m*6m*6m	140	2024.07.28	2027.07.27
Amplifier	COM-MV	LSCX_LNA1-12G-01	7210214	2024.08.01	2025.07.31
Amplifier	COM-MV	XKu_LNA7-18G-01	7210209	2024.08.01	2025.07.31
Amplifier	COM-MV	KA LNA18 40G-01	18050001	2023.12.06	2024.12.05
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2024.08.01	2025.07.31
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9168	9168-01162	2023.08.04	2026.08.03
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2024.01.23	2025.01.22
Amplifier	COM-MV	ZT30-1000M	B2018054558	2023.12.05	2024.12.04
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60*7.35m	130	2024.07.13	2027.07.12
EMI Receiver	Agilent	N9038A	MY55330120	2024.08.01	2025.07.31
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9168	9168-00867	2022.04.12	2025.04.11
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2024.01.23	2025.01.22
Amplifier	COM-MV	ZT30-1000M	B2017119081	2023.12.05	2024.12.04
Anechoic Chamber	YiHeng	9m*6m*6m	142	2024.07.21	2027.07.20
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2024.08.01	2025.07.31
LISN	SCHWARZBECK	NSLK 8127	8127-687	2024.05.09	2025.05.08
Shielded Enclosure	YiHeng Electronic Co., Ltd	3.5m*3.1m*2.8m	112	2022.02.19	2025.02.18

4.3 Test Software List

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

4.4 Measurement Uncertainty

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

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

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

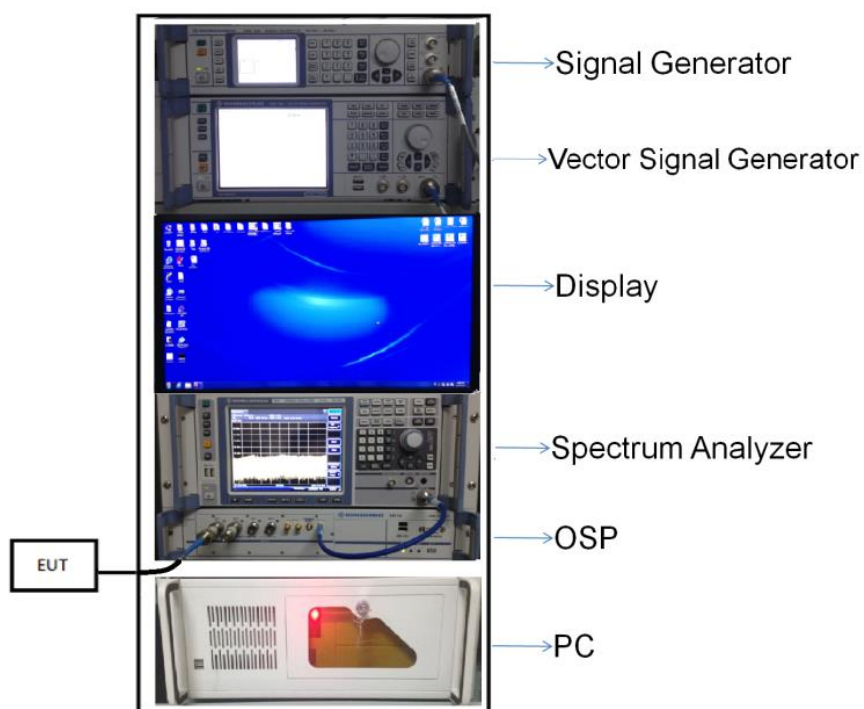
4.5 Description of Test Setup

4.5.1 For Antenna Port Test

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

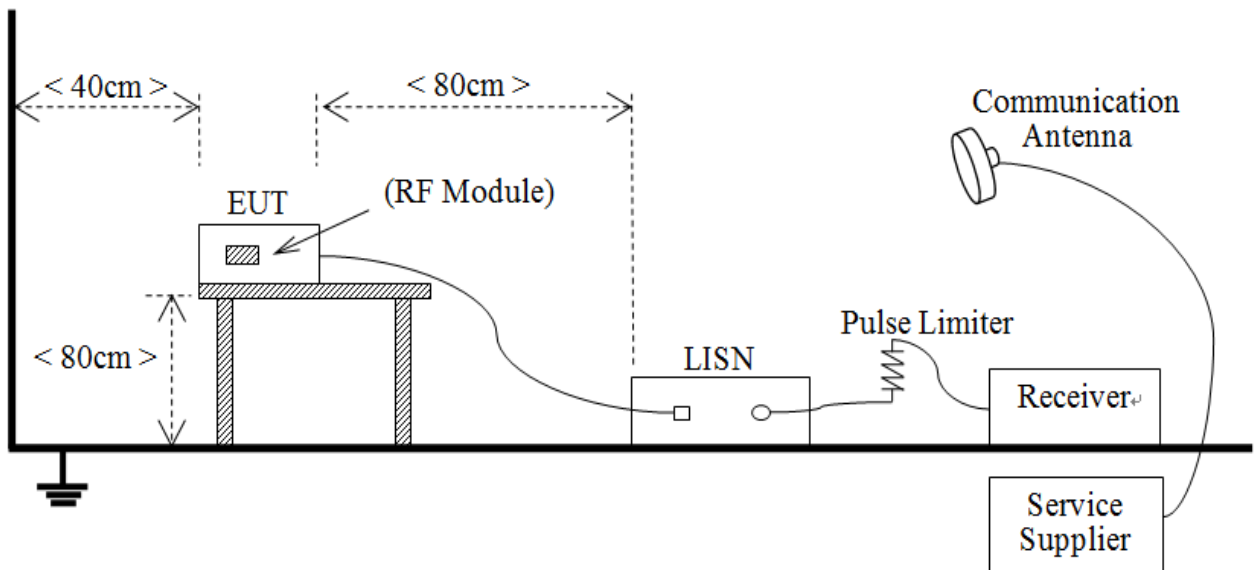
For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

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



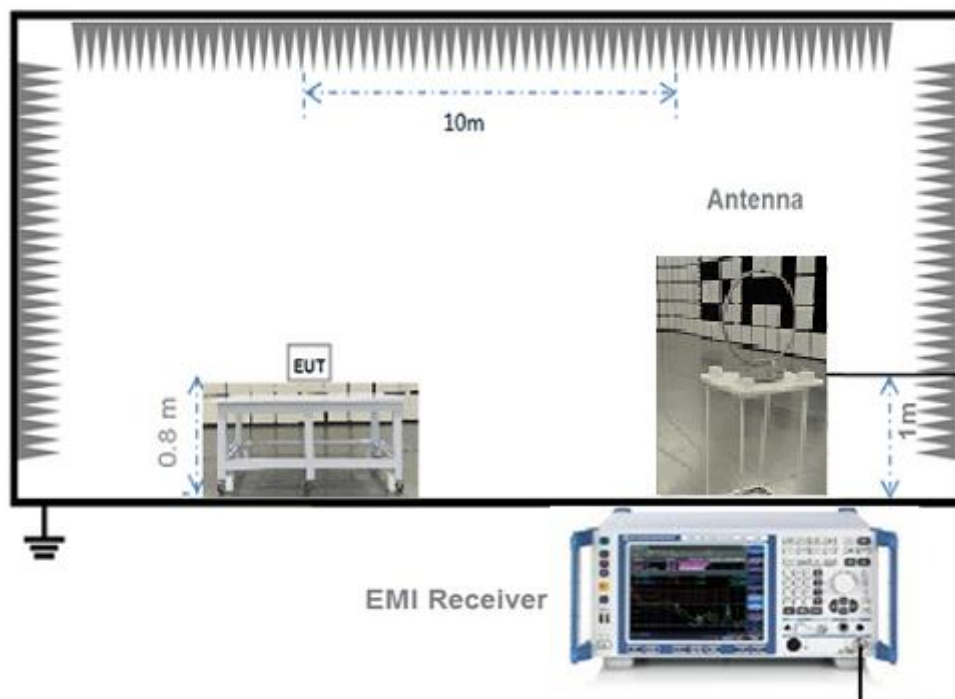
(Diagram 1)

4.5.2 For AC Power Supply Port Test



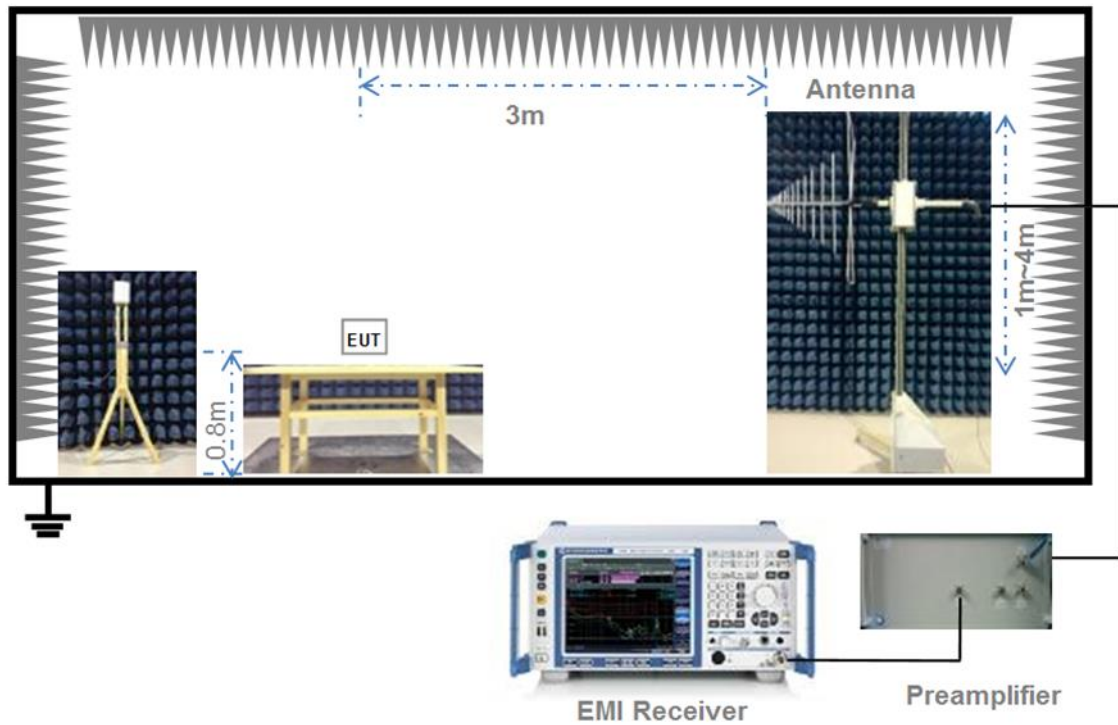
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



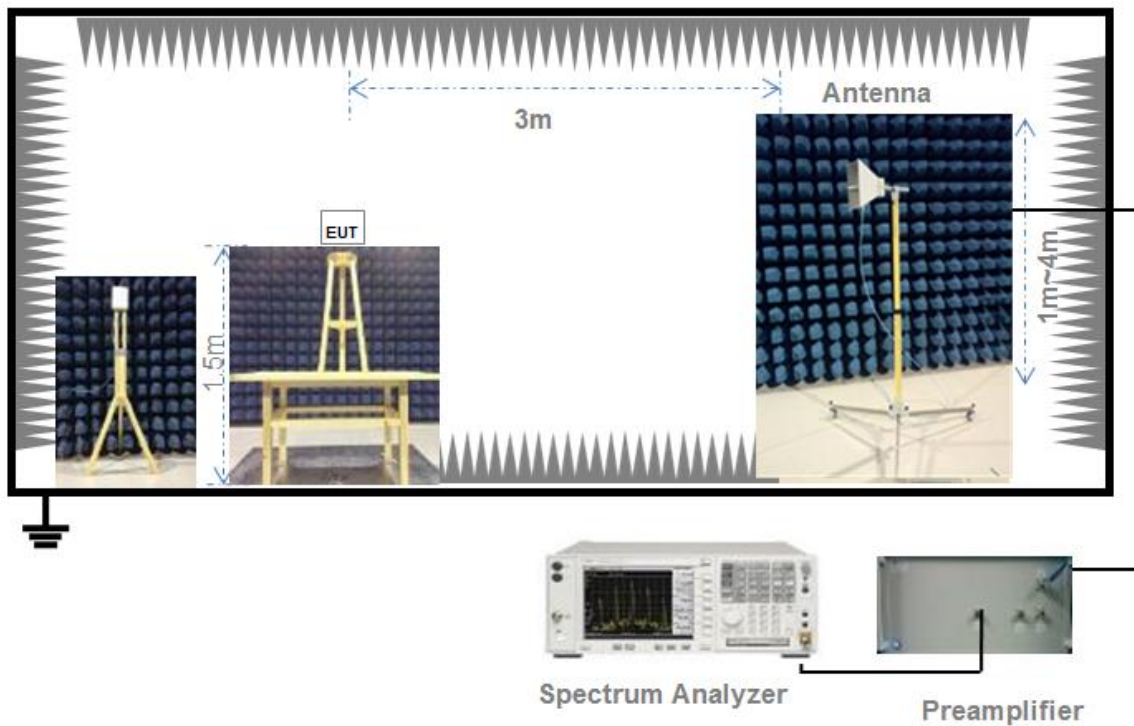
(Diagram 3)

4.5.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.5.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

5 TEST ITEMS

5.1 RF Output Power

5.1.1 Test Limit

FCC §15.407(a)

The maximum conducted output power should not exceed:

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

RSS-247, 6.2

The maximum conducted output power shall not exceed:

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

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

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

5.1.2 Test Setup

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

5.1.3 Test Procedure

Maximum conducted (average) output power

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

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

at least a factor of five.

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

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

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

Measurements of duty cycle

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

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

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

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

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

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

5.1.4 Test Result

Please refer to ANNEX A.1.

5.2 Emission Bandwidth and 6 dB Bandwidth

5.2.1 Limit

FCC §15.407(a), RSS-247, 6.2

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

5.2.2 Test Setup

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

5.2.3 Test Procedure

Emission bandwidth

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

Occupied Bandwidth

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

6 dB bandwidth

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

5.2.4 Test Result

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

5.3 Power Spectral density (PSD)

5.3.1 Limit

FCC §15.407(a)

The maximum power spectral density should not exceed:

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

RSS-247, 6.2

The maximum power spectral density should not exceed:

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

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

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

5.3.2 Test Setup

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

5.3.3 Test Procedure

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

1. Set RBW = 510 kHz/1 MHz, VBW $\geq 3 \times$ 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)

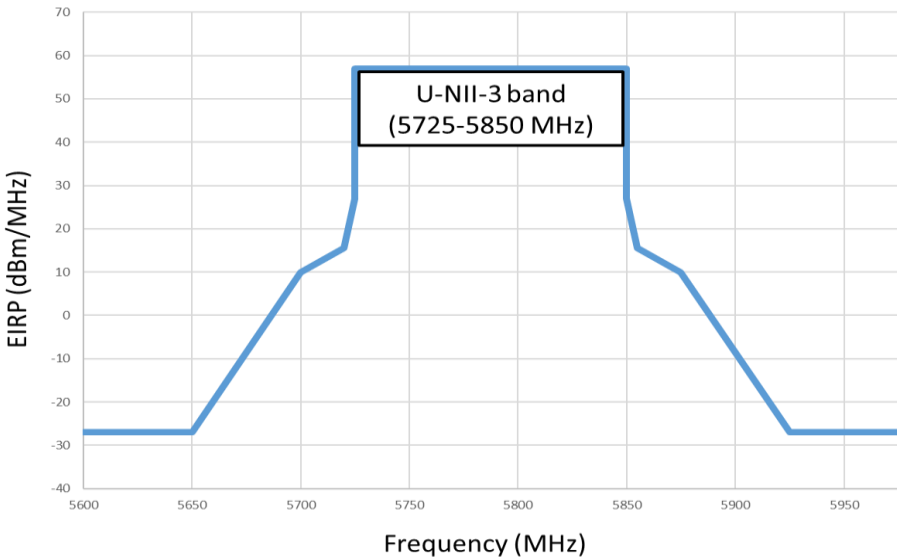
5.5.1 Limit

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.

Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle	Duty Factor
11a	0.71	1.05	67.27%	1.72
11n (HT20)	0.67	1.06	63.51%	1.97

Test Data

Conducted Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	15.15	32.73	250	Pass
11a	CH44	15.22	33.27	250	Pass
11a	CH48	15.23	33.34	250	Pass
11n (HT20)	CH36	15.07	32.14	250	Pass
11n (HT20)	CH44	14.97	31.41	250	Pass
11n (HT20)	CH48	15.07	32.14	250	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH52	16.29	42.56	207	Pass
11a	CH60	16.49	44.57	207	Pass
11a	CH64	16.35	43.15	207	Pass
11n (HT20)	CH52	16.08	40.55	222	Pass
11n (HT20)	CH60	16.19	41.59	222	Pass
11n (HT20)	CH64	16.17	41.40	222	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH100	16.68	46.56	210	Pass
11a	CH116	16.67	46.45	209	Pass
11a	CH140	16.67	46.45	210	Pass
11n (HT20)	CH100	16.49	44.57	224	Pass
11n (HT20)	CH116	16.45	44.16	224	Pass
11n (HT20)	CH140	16.68	46.56	224	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	16.82	48.08	1000	Pass
11a	CH157	16.71	46.88	1000	Pass
11a	CH165	16.46	44.26	1000	Pass
11n (HT20)	CH149	16.61	45.81	1000	Pass
11n (HT20)	CH157	16.56	45.29	1000	Pass
11n (HT20)	CH165	16.43	43.95	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	14.65	29.17	164	Pass
11a	CH44	14.72	29.65	164	Pass
11a	CH48	14.73	29.72	164	Pass
11n (HT20)	CH36	14.57	28.64	176	Pass
11n (HT20)	CH44	14.47	27.99	176	Pass
11n (HT20)	CH48	14.57	28.64	176	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH52	15.79	37.93	824	Pass
11a	CH60	15.99	39.72	824	Pass
11a	CH64	15.85	38.46	824	Pass
11n (HT20)	CH52	15.58	36.14	883	Pass
11n (HT20)	CH60	15.69	37.07	884	Pass
11n (HT20)	CH64	15.67	36.90	883	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH100	16.18	41.50	831	Pass
11a	CH116	16.17	41.40	833	Pass
11a	CH140	16.17	41.40	835	Pass
11n (HT20)	CH100	15.99	39.72	892	Pass
11n (HT20)	CH116	15.95	39.36	892	Pass
11n (HT20)	CH140	16.18	41.50	896	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict	
11a	CH149	16.32	42.85	Pass	
11a	CH157	16.21	41.78	Pass	
11a	CH165	15.96	39.45	Pass	
11n (HT20)	CH149	16.11	40.83	Pass	
11n (HT20)	CH157	16.06	40.36	Pass	
11n (HT20)	CH165	15.93	39.17	Pass	

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ2490711-604 Data Part 1.pdf".

Test Data

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	16.46	16.37
11a	CH44	16.35	16.36
11a	CH48	16.38	16.38
11n (HT20)	CH36	17.63	17.56
11n (HT20)	CH44	17.56	17.56
11n (HT20)	CH48	17.56	17.58

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	16.45	16.43
11a	CH60	16.46	16.45
11a	CH64	16.43	16.44
11n (HT20)	CH52	17.61	17.61
11n (HT20)	CH60	17.62	17.63
11n (HT20)	CH64	17.66	17.62

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	16.66	16.59
11a	CH116	16.59	16.63
11a	CH140	16.65	16.67
11n (HT20)	CH100	17.80	17.79
11n (HT20)	CH116	17.81	17.80
11n (HT20)	CH140	17.81	17.88

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	16.68	16.61
11a	CH157	16.63	16.66
11a	CH165	16.60	16.64
11n (HT20)	CH149	17.84	17.83
11n (HT20)	CH157	17.84	18.00
11n (HT20)	CH165	17.93	17.81

A.3 6 dB Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ2490711-604 Data Part 2.pdf".

Test Data

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	15.30	500.00	Pass
11a	CH157	15.20	500.00	Pass
11a	CH165	15.30	500.00	Pass
11n (HT20)	CH149	15.30	500.00	Pass
11n (HT20)	CH157	15.30	500.00	Pass
11n (HT20)	CH165	15.30	500.00	Pass

A.4 Power Spectral Density

Note ¹: Test plots please refer to the document “Annex No.: BL-SZ2490711-604 Data Part 3.pdf”.

Test Data

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH36	4.12	11.00	Pass
11a	CH44	3.42	11.00	Pass
11a	CH48	3.29	11.00	Pass
11n (HT20)	CH36	3.20	11.00	Pass
11n (HT20)	CH44	2.91	11.00	Pass
11n (HT20)	CH48	3.06	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH52	4.55	11.00	Pass
11a	CH60	4.40	11.00	Pass
11a	CH64	4.15	11.00	Pass
11n (HT20)	CH52	4.14	11.00	Pass
11n (HT20)	CH60	3.92	11.00	Pass
11n (HT20)	CH64	4.17	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH100	5.69	11.00	Pass
11a	CH116	5.14	11.00	Pass
11a	CH140	5.44	11.00	Pass
11n (HT20)	CH100	4.61	11.00	Pass
11n (HT20)	CH116	4.57	11.00	Pass
11n (HT20)	CH140	5.13	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	2.36	30.00	Pass
11a	CH157	2.46	30.00	Pass
11a	CH165	2.64	30.00	Pass
11n (HT20)	CH149	2.20	30.00	Pass
11n (HT20)	CH157	2.31	30.00	Pass
11n (HT20)	CH165	2.64	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	3.62	10.00	Pass
11a	CH44	2.92	10.00	Pass
11a	CH48	2.79	10.00	Pass
11n (HT20)	CH36	2.70	10.00	Pass
11n (HT20)	CH44	2.41	10.00	Pass
11n (HT20)	CH48	2.56	10.00	Pass

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH52	4.05	Pass
11a	CH60	3.90	Pass
11a	CH64	3.65	Pass
11n (HT20)	CH52	3.64	Pass
11n (HT20)	CH60	3.42	Pass
11n (HT20)	CH64	3.67	Pass

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH100	5.19	Pass
11a	CH116	4.64	Pass
11a	CH140	4.94	Pass
11n (HT20)	CH100	4.11	Pass
11n (HT20)	CH116	4.07	Pass
11n (HT20)	CH140	4.63	Pass

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH149	1.86	Pass
11a	CH157	1.96	Pass
11a	CH165	2.14	Pass
11n (HT20)	CH149	1.70	Pass
11n (HT20)	CH157	1.81	Pass
11n (HT20)	CH165	2.14	Pass

A.5 Conducted Emissions

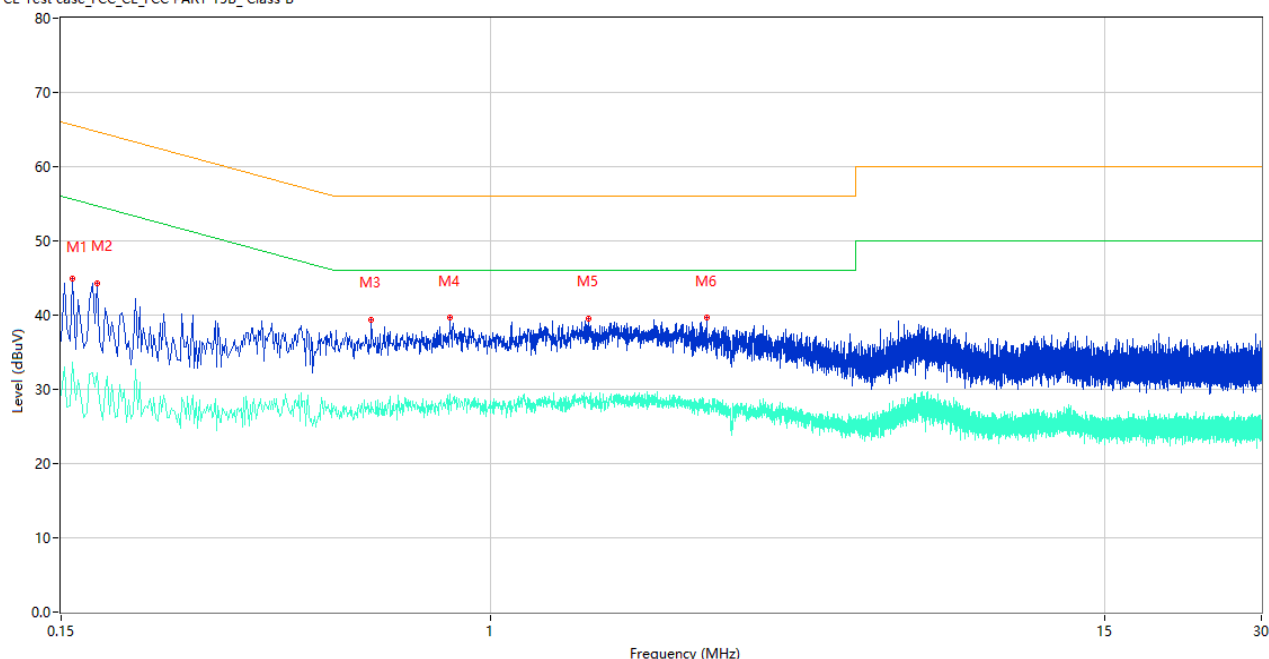
Note¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

Note²: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

Test Data and Plots

PHASE L

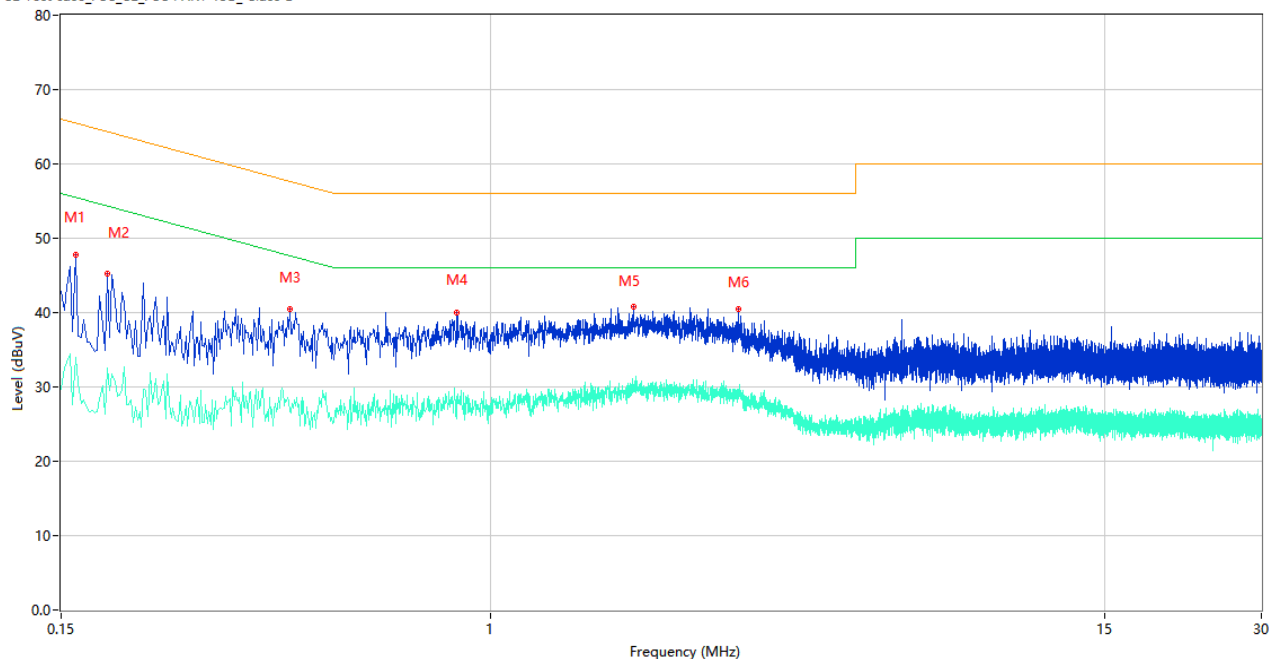
CE Test case_FCC_CE_FCC PART 15B_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.158	44.97	9.78	65.57	20.60	Peak	L	Pass
1**	0.158	33.71	9.78	55.57	21.86	AV	L	Pass
2	0.176	44.35	9.78	64.67	20.32	Peak	L	Pass
2**	0.176	32.28	9.78	54.67	22.39	AV	L	Pass
3	0.590	39.33	10.14	56.00	16.67	Peak	L	Pass
3**	0.590	28.25	10.14	46.00	17.75	AV	L	Pass
4	0.834	39.67	10.59	56.00	16.33	Peak	L	Pass
4**	0.834	29.39	10.59	46.00	16.61	AV	L	Pass
5	1.542	39.53	10.17	56.00	16.47	Peak	L	Pass
5**	1.542	28.35	10.17	46.00	17.65	AV	L	Pass
6	2.596	39.66	9.68	56.00	16.34	Peak	L	Pass
6**	2.596	27.59	9.68	46.00	18.41	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15B_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.160	47.84	9.78	65.46	17.62	Peak	N	Pass
1**	0.160	33.96	9.78	55.46	21.50	AV	N	Pass
2	0.184	45.25	9.78	64.30	19.05	Peak	N	Pass
2**	0.184	32.56	9.78	54.30	21.74	AV	N	Pass
3	0.412	40.45	10.43	57.61	17.16	Peak	N	Pass
3**	0.412	26.71	10.43	47.61	20.90	AV	N	Pass
4	0.862	40.02	10.51	56.00	15.98	Peak	N	Pass
4**	0.862	28.44	10.51	46.00	17.56	AV	N	Pass
5	1.878	40.75	10.49	56.00	15.25	Peak	N	Pass
5**	1.878	29.36	10.49	46.00	16.64	AV	N	Pass
6	2.986	40.41	10.27	56.00	15.59	Peak	N	Pass
6**	2.986	29.75	10.27	46.00	16.25	AV	N	Pass

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

Note¹: The symbol of "--" in the table which means not application.

Note²: For the test data above 1 GHz, According the ANSI C63.4, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

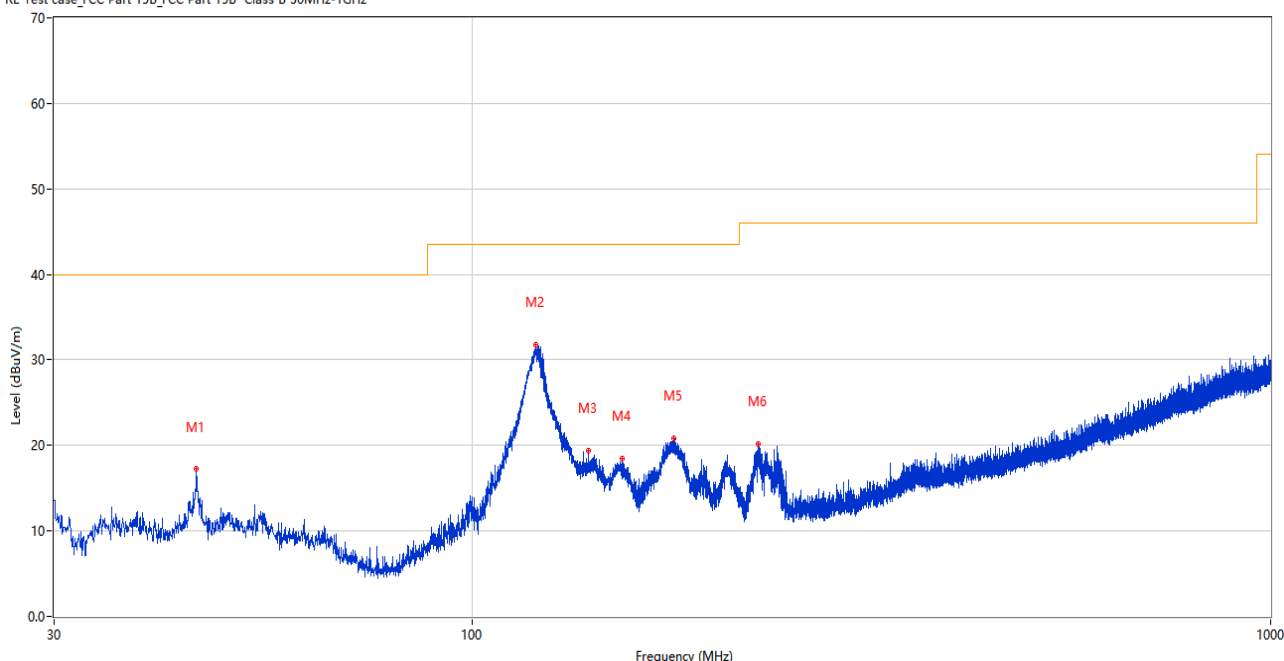
Note³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

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

Test Data and Plots

30 MHz to 1 GHz, ANT H

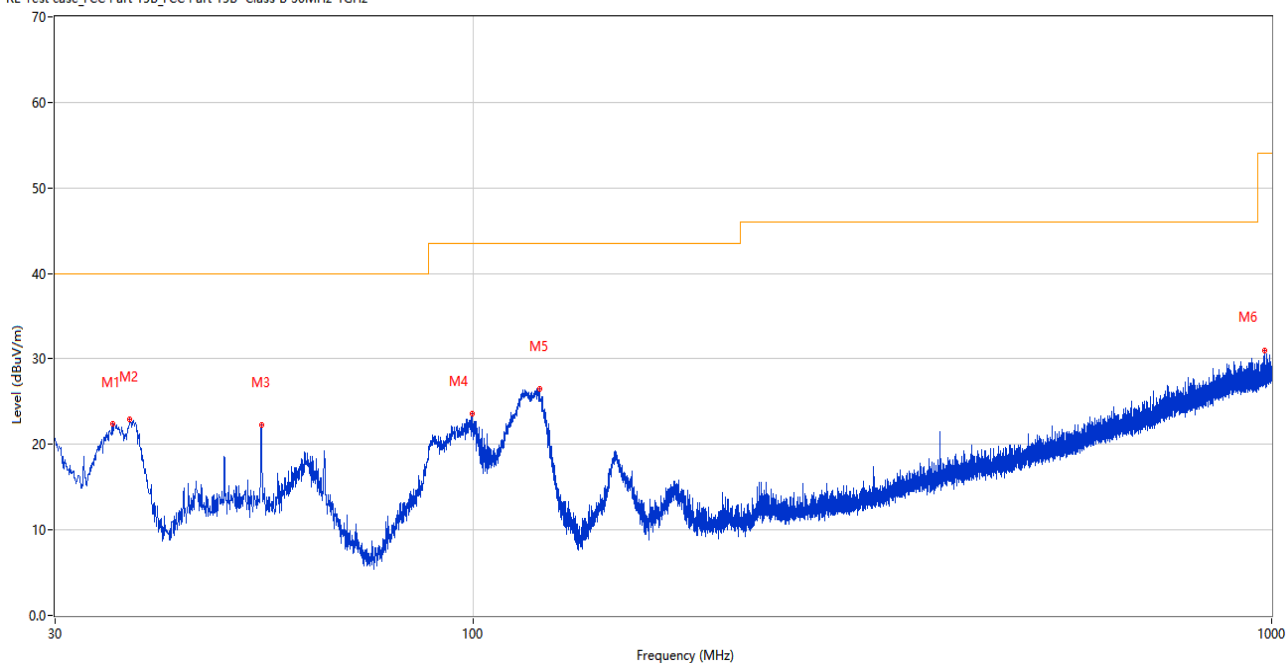
RE Test case_FCC Part 15B_FCC Part 15B Class B 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	45.229	17.20	-25.52	40.0	22.80	Peak	41.00	200	Horizontal	Pass
2	120.404	31.76	-28.39	43.5	11.74	Peak	338.00	200	Horizontal	Pass
3	140.046	19.38	-30.25	43.5	24.12	Peak	157.00	200	Horizontal	Pass
4	154.257	18.40	-29.90	43.5	25.10	Peak	179.00	200	Horizontal	Pass
5	179.234	20.88	-28.50	43.5	22.62	Peak	180.00	200	Horizontal	Pass
6	228.220	20.15	-25.62	46.0	25.85	Peak	21.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

RE Test case_FCC Part 15B_FCC Part 15B Class B 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	35.383	22.45	-28.28	40.0	17.55	Peak	26.00	100	Vertical	Pass
2	37.227	22.89	-27.55	40.0	17.11	Peak	11.00	100	Vertical	Pass
3	54.347	22.23	-25.58	40.0	17.77	Peak	330.00	100	Vertical	Pass
4	99.791	23.55	-26.74	43.5	19.95	Peak	47.00	100	Vertical	Pass
5	121.374	26.55	-28.70	43.5	16.95	Peak	266.00	200	Vertical	Pass
6	981.085	31.01	-8.69	54.0	22.99	Peak	306.00	200	Vertical	Pass

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

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1075.300	35.81	-18.98	74.0	38.19	Peak	68.00	300	Horizontal	Pass
1**	1075.300	26.35	-18.98	54.0	27.65	AV	68.00	300	Horizontal	Pass
2	2878.400	42.09	-11.73	74.0	31.91	Peak	56.00	400	Horizontal	Pass
2**	2878.400	32.38	-11.73	54.0	21.62	AV	56.00	400	Horizontal	Pass
3	5118.000	50.55	-4.41	74.0	23.45	Peak	232.00	150	Horizontal	Pass
3**	5118.000	40.71	-4.41	54.0	13.29	AV	232.00	150	Horizontal	Pass
4	5178.750	94.85	-4.39	--	--	Peak	222.00	400	Horizontal	N/A
4**	5178.750	88.83	-4.39	--	--	AV	222.00	400	Horizontal	N/A
5	7521.000	54.36	0.32	74.0	19.64	Peak	65.00	150	Horizontal	Pass
5**	7521.000	45.50	0.32	54.0	8.50	AV	65.00	150	Horizontal	Pass
6	11912.337	54.29	-0.31	74.0	19.71	Peak	230.00	200	Horizontal	Pass
6**	11912.337	46.11	-0.31	54.0	7.89	AV	230.00	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	1204.400	35.66	-18.43	74.0	38.34	Peak	114.00	400	Vertical	Pass
1**	1204.400	26.74	-18.43	54.0	27.26	AV	114.00	400	Vertical	Pass
2	2786.800	41.86	-11.87	74.0	32.14	Peak	96.00	200	Vertical	Pass
2**	2786.800	31.65	-11.87	54.0	22.35	AV	96.00	200	Vertical	Pass
3	5081.250	55.23	-3.07	74.0	18.77	Peak	7.00	150	Vertical	Pass
3**	5081.250	46.30	-3.07	54.0	7.70	AV	7.00	150	Vertical	Pass
4	5181.750	101.31	-4.39	--	--	Peak	0.00	200	Vertical	N/A
4**	5181.750	93.79	-4.39	--	--	AV	0.00	200	Vertical	N/A
5	7525.500	54.32	0.08	74.0	19.68	Peak	253.00	150	Vertical	Pass
5**	7525.500	45.45	0.08	54.0	8.55	AV	253.00	150	Vertical	Pass
6	11884.787	54.09	-0.64	74.0	19.91	Peak	68.00	100	Vertical	Pass
6**	11884.787	44.10	-0.64	54.0	9.90	AV	68.00	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	1204.000	35.96	-18.49	74.0	38.04	Peak	268.00	300	Horizontal	Pass
1**	1204.000	26.56	-18.49	54.0	27.44	AV	268.00	300	Horizontal	Pass
2	2823.500	41.42	-11.98	74.0	32.58	Peak	360.00	300	Horizontal	Pass
2**	2823.500	31.30	-11.98	54.0	22.70	AV	360.00	300	Horizontal	Pass
3	5013.000	51.30	-3.80	74.0	22.70	Peak	8.00	200	Horizontal	Pass
3**	5013.000	44.48	-3.80	54.0	9.52	AV	8.00	200	Horizontal	Pass
4	5221.750	95.09	-4.22	--	--	Peak	41.00	300	Horizontal	N/A
4**	5221.750	87.79	-4.22	--	--	AV	41.00	300	Horizontal	N/A
5	7477.500	54.39	0.65	74.0	19.61	Peak	86.00	200	Horizontal	Pass
5**	7477.500	45.32	0.65	54.0	8.68	AV	86.00	200	Horizontal	Pass
6	11887.400	54.14	-0.62	74.0	19.86	Peak	298.00	150	Horizontal	Pass
6**	11887.400	44.17	-0.62	54.0	9.83	AV	298.00	150	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	1215.900	35.92	-18.57	74.0	38.08	Peak	63.00	100	Vertical	Pass
1**	1215.900	27.56	-18.57	54.0	26.44	AV	63.00	100	Vertical	Pass
2	2881.600	40.94	-11.81	74.0	33.06	Peak	52.00	400	Vertical	Pass
2**	2881.600	31.52	-11.81	54.0	22.48	AV	52.00	400	Vertical	Pass
3	5108.000	53.52	-4.48	74.0	20.48	Peak	360.00	200	Vertical	Pass
3**	5108.000	44.37	-4.48	54.0	9.63	AV	360.00	200	Vertical	Pass
4	5219.000	101.01	-4.34	--	--	Peak	0.00	300	Vertical	N/A
4**	5219.000	94.07	-4.34	--	--	AV	0.00	300	Vertical	N/A
5	7512.750	55.18	0.51	74.0	18.82	Peak	198.00	200	Vertical	Pass
5**	7512.750	45.54	0.51	54.0	8.46	AV	198.00	200	Vertical	Pass
6	12403.724	53.89	-0.44	74.0	20.11	Peak	282.00	200	Vertical	Pass
6**	12403.724	43.67	-0.44	54.0	10.33	AV	282.00	200	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	1100.400	36.10	-18.65	74.0	37.90	Peak	344.00	300	Horizontal	Pass
1**	1100.400	25.82	-18.65	54.0	28.18	AV	344.00	300	Horizontal	Pass
2	2867.900	41.33	-11.72	74.0	32.67	Peak	155.00	400	Horizontal	Pass
2**	2867.900	31.59	-11.72	54.0	22.41	AV	155.00	400	Horizontal	Pass
3	4947.250	51.98	-4.23	74.0	22.02	Peak	246.00	200	Horizontal	Pass
3**	4947.250	39.53	-4.23	54.0	14.47	AV	246.00	200	Horizontal	Pass
4	5239.000	94.90	-4.11	--	--	Peak	34.00	100	Horizontal	N/A
4**	5239.000	87.52	-4.11	--	--	AV	34.00	100	Horizontal	N/A
5	7344.250	54.25	0.47	74.0	19.75	Peak	265.00	150	Horizontal	Pass
5**	7344.250	45.22	0.47	54.0	8.78	AV	265.00	150	Horizontal	Pass
6	12464.287	54.58	0.08	74.0	19.42	Peak	62.00	400	Horizontal	Pass
6**	12464.287	44.46	0.08	54.0	9.54	AV	62.00	400	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	1205.800	36.33	-18.40	74.0	37.67	Peak	246.00	100	Vertical	Pass
1**	1205.800	28.04	-18.40	54.0	25.96	AV	246.00	100	Vertical	Pass
2	2863.000	41.53	-11.70	74.0	32.47	Peak	31.00	100	Vertical	Pass
2**	2863.000	33.06	-11.70	54.0	20.94	AV	31.00	100	Vertical	Pass
3	5092.250	51.70	-3.69	74.0	22.30	Peak	359.00	150	Vertical	Pass
3**	5092.250	42.43	-3.69	54.0	11.57	AV	359.00	150	Vertical	Pass
4	5238.500	101.33	-4.12	--	--	Peak	359.00	400	Vertical	N/A
4**	5238.500	93.72	-4.12	--	--	AV	359.00	400	Vertical	N/A
5	7499.500	54.13	0.47	74.0	19.87	Peak	99.00	200	Vertical	Pass
5**	7499.500	44.72	0.47	54.0	9.28	AV	99.00	200	Vertical	Pass
6	12512.975	54.15	0.03	74.0	19.85	Peak	310.00	400	Vertical	Pass
6**	12512.975	44.46	0.03	54.0	9.54	AV	310.00	400	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	1215.100	35.64	-18.55	74.0	38.36	Peak	223.00	400	Horizontal	Pass
1**	1215.100	27.06	-18.55	54.0	26.94	AV	223.00	400	Horizontal	Pass
2	2860.600	40.99	-11.80	74.0	33.01	Peak	47.00	200	Horizontal	Pass
2**	2860.600	31.90	-11.80	54.0	22.10	AV	47.00	200	Horizontal	Pass
3	4992.500	50.06	-3.60	74.0	23.94	Peak	359.00	200	Horizontal	Pass
3**	4992.500	40.24	-3.60	54.0	13.76	AV	359.00	200	Horizontal	Pass
4	5177.000	94.56	-4.35	--	--	Peak	91.00	200	Horizontal	N/A
4**	5177.000	86.18	-4.35	--	--	AV	91.00	200	Horizontal	N/A
5	7522.000	54.44	0.23	74.0	19.56	Peak	230.00	150	Horizontal	Pass
5**	7522.000	45.03	0.23	54.0	8.97	AV	230.00	150	Horizontal	Pass
6	12457.162	54.38	0.11	74.0	19.62	Peak	309.00	150	Horizontal	Pass
6**	12457.162	44.35	0.11	54.0	9.65	AV	309.00	150	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	1157.400	35.85	-18.47	74.0	38.15	Peak	303.00	400	Vertical	Pass
1**	1157.400	26.08	-18.47	54.0	27.92	AV	303.00	400	Vertical	Pass
2	2877.700	41.25	-11.80	74.0	32.75	Peak	279.00	300	Vertical	Pass
2**	2877.700	32.32	-11.80	54.0	21.68	AV	279.00	300	Vertical	Pass
3	5076.500	54.98	-2.91	74.0	19.02	Peak	359.00	100	Vertical	Pass
3**	5076.500	45.70	-2.91	54.0	8.30	AV	359.00	100	Vertical	Pass
4	5182.000	101.18	-4.40	--	--	Peak	358.00	400	Vertical	N/A
4**	5182.000	93.51	-4.40	--	--	AV	358.00	400	Vertical	N/A
5	7329.750	54.43	0.21	74.0	19.57	Peak	89.00	100	Vertical	Pass
5**	7329.750	44.61	0.21	54.0	9.39	AV	89.00	100	Vertical	Pass
6	12483.049	53.89	0.25	74.0	20.11	Peak	40.00	200	Vertical	Pass
6**	12483.049	44.83	0.25	54.0	9.17	AV	40.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1228.300	35.48	-18.56	74.0	38.52	Peak	290.00	300	Horizontal	Pass
1**	1228.300	26.11	-18.56	54.0	27.89	AV	290.00	300	Horizontal	Pass
2	2776.400	40.82	-12.06	74.0	33.18	Peak	250.00	400	Horizontal	Pass
2**	2776.400	31.65	-12.06	54.0	22.35	AV	250.00	400	Horizontal	Pass
3	5064.500	49.10	-2.97	74.0	24.90	Peak	0.00	200	Horizontal	Pass
3**	5064.500	40.14	-2.97	54.0	13.86	AV	0.00	200	Horizontal	Pass
4	5218.750	94.77	-4.34	--	--	Peak	97.00	400	Horizontal	N/A
4**	5218.750	88.02	-4.34	--	--	AV	97.00	400	Horizontal	N/A
5	7679.750	54.51	0.87	74.0	19.49	Peak	153.00	200	Horizontal	Pass
5**	7679.750	44.60	0.87	54.0	9.40	AV	153.00	200	Horizontal	Pass
6	11982.401	54.13	-0.04	74.0	19.87	Peak	331.00	100	Horizontal	Pass
6**	11982.401	44.92	-0.04	54.0	9.08	AV	331.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1213.900	35.89	-18.45	74.0	38.11	Peak	229.00	300	Vertical	Pass
1**	1213.900	26.25	-18.45	54.0	27.75	AV	229.00	300	Vertical	Pass
2	2878.800	41.04	-11.75	74.0	32.96	Peak	108.00	200	Vertical	Pass
2**	2878.800	31.92	-11.75	54.0	22.08	AV	108.00	200	Vertical	Pass
3	5087.000	52.23	-3.37	74.0	21.77	Peak	8.00	150	Vertical	Pass
3**	5087.000	43.54	-3.37	54.0	10.46	AV	8.00	150	Vertical	Pass
4	5221.250	101.15	-4.23	--	--	Peak	360.00	200	Vertical	N/A
4**	5221.250	94.63	-4.23	--	--	AV	360.00	200	Vertical	N/A
5	7468.000	55.08	0.45	74.0	18.92	Peak	153.00	100	Vertical	Pass
5**	7468.000	45.15	0.45	54.0	8.85	AV	153.00	100	Vertical	Pass
6	11266.099	53.67	-0.84	74.0	20.33	Peak	249.00	150	Vertical	Pass
6**	11266.099	44.36	-0.84	54.0	9.64	AV	249.00	150	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	1080.100	35.69	-18.95	74.0	38.31	Peak	177.00	200	Horizontal	Pass
1**	1080.100	28.79	-18.95	54.0	25.21	AV	177.00	200	Horizontal	Pass
2	2774.600	41.49	-12.14	74.0	32.51	Peak	144.00	150	Horizontal	Pass
2**	2774.600	31.69	-12.14	54.0	22.31	AV	144.00	150	Horizontal	Pass
3	5061.750	49.28	-3.17	74.0	24.72	Peak	270.00	150	Horizontal	Pass
3**	5061.750	39.70	-3.17	54.0	14.30	AV	270.00	150	Horizontal	Pass
4	5238.750	94.92	-4.12	--	--	Peak	31.00	200	Horizontal	N/A
4**	5238.750	87.38	-4.12	--	--	AV	31.00	200	Horizontal	N/A
5	7504.500	54.19	0.60	74.0	19.81	Peak	55.00	100	Horizontal	Pass
5**	7504.500	45.82	0.60	54.0	8.18	AV	55.00	100	Horizontal	Pass
6	11898.800	54.32	-0.46	74.0	19.68	Peak	185.00	400	Horizontal	Pass
6**	11898.800	45.24	-0.46	54.0	8.76	AV	185.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1220.300	36.00	-18.59	74.0	38.00	Peak	360.00	200	Vertical	Pass
1**	1220.300	26.21	-18.59	54.0	27.79	AV	360.00	200	Vertical	Pass
2	2730.100	40.97	-13.04	74.0	33.03	Peak	314.00	400	Vertical	Pass
2**	2730.100	31.53	-13.04	54.0	22.47	AV	314.00	400	Vertical	Pass
3	4922.250	49.22	-4.24	74.0	24.78	Peak	108.00	150	Vertical	Pass
3**	4922.250	39.32	-4.24	54.0	14.68	AV	108.00	150	Vertical	Pass
4	5238.250	101.01	-4.13	--	--	Peak	360.00	300	Vertical	N/A
4**	5238.250	93.64	-4.13	--	--	AV	360.00	300	Vertical	N/A
5	7482.500	54.89	0.49	74.0	19.11	Peak	208.00	150	Vertical	Pass
5**	7482.500	45.51	0.49	54.0	8.49	AV	208.00	150	Vertical	Pass
6	12495.875	54.05	0.34	74.0	19.95	Peak	215.00	100	Vertical	Pass
6**	12495.875	44.45	0.34	54.0	9.55	AV	215.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1206.300	35.49	-18.48	74.0	38.51	Peak	28.00	200	Horizontal	Pass
1**	1206.300	26.88	-18.48	54.0	27.12	AV	28.00	200	Horizontal	Pass
2	2878.000	41.51	-11.74	74.0	32.49	Peak	297.00	300	Horizontal	Pass
2**	2878.000	31.51	-11.74	54.0	22.49	AV	297.00	300	Horizontal	Pass
3	4912.500	49.24	-4.25	74.0	24.76	Peak	180.00	150	Horizontal	Pass
3**	4912.500	41.00	-4.25	54.0	13.00	AV	180.00	150	Horizontal	Pass
4	5259.000	96.25	-4.73	--	--	Peak	31.00	200	Horizontal	N/A
4**	5259.000	88.44	-4.73	--	--	AV	31.00	200	Horizontal	N/A
5	7473.250	54.10	0.65	74.0	19.90	Peak	258.00	100	Horizontal	Pass
5**	7473.250	45.47	0.65	54.0	8.53	AV	258.00	100	Horizontal	Pass
6	12014.701	53.87	-0.48	74.0	20.13	Peak	234.00	100	Horizontal	Pass
6**	12014.701	43.76	-0.48	54.0	10.24	AV	234.00	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	1206.900	36.21	-18.43	74.0	37.79	Peak	34.00	400	Vertical	Pass
1**	1206.900	26.45	-18.43	54.0	27.55	AV	34.00	400	Vertical	Pass
2	2874.700	41.21	-11.96	74.0	32.79	Peak	359.00	100	Vertical	Pass
2**	2874.700	32.18	-11.96	54.0	21.82	AV	359.00	100	Vertical	Pass
3	5005.750	49.25	-3.72	74.0	24.75	Peak	0.00	150	Vertical	Pass
3**	5005.750	40.75	-3.72	54.0	13.25	AV	0.00	150	Vertical	Pass
4	5258.500	103.09	-4.73	--	--	Peak	0.00	200	Vertical	N/A
4**	5258.500	96.18	-4.73	--	--	AV	0.00	200	Vertical	N/A
5	7469.250	54.44	0.52	74.0	19.56	Peak	141.00	100	Vertical	Pass
5**	7469.250	45.17	0.52	54.0	8.83	AV	141.00	100	Vertical	Pass
6	11976.463	54.73	-0.04	74.0	19.27	Peak	32.00	300	Vertical	Pass
6**	11976.463	44.40	-0.04	54.0	9.60	AV	32.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1156.600	37.18	-18.46	74.0	36.82	Peak	0.00	200	Horizontal	Pass
1**	1156.600	26.90	-18.46	54.0	27.10	AV	0.00	200	Horizontal	Pass
2	2883.300	42.63	-11.72	74.0	31.37	Peak	226.00	100	Horizontal	Pass
2**	2883.300	32.58	-11.72	54.0	21.42	AV	226.00	100	Horizontal	Pass
3	4979.000	50.40	-3.69	74.0	23.60	Peak	155.00	200	Horizontal	Pass
3**	4979.000	40.83	-3.69	54.0	13.17	AV	155.00	200	Horizontal	Pass
4	5302.000	96.36	-4.42	--	--	Peak	87.00	200	Horizontal	N/A
4**	5302.000	89.10	-4.42	--	--	AV	87.00	200	Horizontal	N/A
5	7531.750	56.07	0.03	74.0	17.93	Peak	325.00	200	Horizontal	Pass
5**	7531.750	45.94	0.03	54.0	8.06	AV	325.00	200	Horizontal	Pass
6	11988.575	53.69	-0.05	74.0	20.31	Peak	135.00	150	Horizontal	Pass
6**	11988.575	45.25	-0.05	54.0	8.75	AV	135.00	150	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	1145.400	36.15	-18.44	74.0	37.85	Peak	132.00	300	Vertical	Pass
1**	1145.400	28.26	-18.44	54.0	25.74	AV	132.00	300	Vertical	Pass
2	2889.800	42.50	-11.40	74.0	31.50	Peak	87.00	300	Vertical	Pass
2**	2889.800	32.82	-11.40	54.0	21.18	AV	87.00	300	Vertical	Pass
3	5007.500	50.38	-3.76	74.0	23.62	Peak	360.00	150	Vertical	Pass
3**	5007.500	41.44	-3.76	54.0	12.56	AV	360.00	150	Vertical	Pass
4	5299.250	103.01	-4.51	--	--	Peak	360.00	400	Vertical	N/A
4**	5299.250	95.80	-4.51	--	--	AV	360.00	400	Vertical	N/A
5	7628.500	55.55	0.17	74.0	18.45	Peak	123.00	150	Vertical	Pass
5**	7628.500	46.19	0.17	54.0	7.81	AV	123.00	150	Vertical	Pass
6	11945.349	53.77	-0.08	74.0	20.23	Peak	346.00	200	Vertical	Pass
6**	11945.349	45.11	-0.08	54.0	8.89	AV	346.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1205.200	36.72	-18.35	74.0	37.28	Peak	288.00	300	Horizontal	Pass
1**	1205.200	27.14	-18.35	54.0	26.86	AV	288.00	300	Horizontal	Pass
2	2875.400	42.62	-11.89	74.0	31.38	Peak	0.00	400	Horizontal	Pass
2**	2875.400	33.19	-11.89	54.0	20.81	AV	0.00	400	Horizontal	Pass
3	5068.250	50.04	-2.95	74.0	23.96	Peak	65.00	200	Horizontal	Pass
3**	5068.250	40.94	-2.95	54.0	13.06	AV	65.00	200	Horizontal	Pass
4	5319.750	97.51	-4.28	--	--	Peak	87.00	100	Horizontal	N/A
4**	5319.750	89.54	-4.28	--	--	AV	87.00	100	Horizontal	N/A
5	7475.500	55.54	0.64	74.0	18.46	Peak	87.00	150	Horizontal	Pass
5**	7475.500	47.78	0.64	54.0	6.22	AV	87.00	150	Horizontal	Pass
6	11978.362	54.56	-0.05	74.0	19.44	Peak	248.00	300	Horizontal	Pass
6**	11978.362	45.68	-0.05	54.0	8.32	AV	248.00	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	1157.900	36.20	-18.55	74.0	37.80	Peak	307.00	200	Vertical	Pass
1**	1157.900	27.13	-18.55	54.0	26.87	AV	307.00	200	Vertical	Pass
2	2841.400	42.17	-11.95	74.0	31.83	Peak	290.00	100	Vertical	Pass
2**	2841.400	33.13	-11.95	54.0	20.87	AV	290.00	100	Vertical	Pass
3	5012.000	50.34	-3.78	74.0	23.66	Peak	0.00	150	Vertical	Pass
3**	5012.000	41.18	-3.78	54.0	12.82	AV	0.00	150	Vertical	Pass
4	5321.500	102.63	-4.30	--	--	Peak	8.00	300	Vertical	N/A
4**	5321.500	96.16	-4.30	--	--	AV	8.00	300	Vertical	N/A
5	7501.000	55.58	0.54	74.0	18.42	Peak	300.00	200	Vertical	Pass
5**	7501.000	47.07	0.54	54.0	6.93	AV	300.00	200	Vertical	Pass
6	11974.088	54.26	-0.04	74.0	19.74	Peak	47.00	200	Vertical	Pass
6**	11974.088	44.74	-0.04	54.0	9.26	AV	47.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1097.700	36.19	-18.83	74.0	37.81	Peak	179.00	300	Horizontal	Pass
1**	1097.700	27.05	-18.83	54.0	26.95	AV	179.00	300	Horizontal	Pass
2	2799.000	42.20	-12.63	74.0	31.80	Peak	330.00	100	Horizontal	Pass
2**	2799.000	33.19	-12.63	54.0	20.81	AV	330.00	100	Horizontal	Pass
3	5062.250	50.38	-3.13	74.0	23.62	Peak	177.00	200	Horizontal	Pass
3**	5062.250	41.20	-3.13	54.0	12.80	AV	177.00	200	Horizontal	Pass
4	5260.750	94.95	-4.78	--	--	Peak	221.00	100	Horizontal	N/A
4**	5260.750	88.39	-4.78	--	--	AV	221.00	100	Horizontal	N/A
5	7468.000	55.37	0.45	74.0	18.63	Peak	312.00	150	Horizontal	Pass
5**	7468.000	46.40	0.45	54.0	7.60	AV	312.00	150	Horizontal	Pass
6	12014.701	54.12	-0.48	74.0	19.88	Peak	183.00	400	Horizontal	Pass
6**	12014.701	45.45	-0.48	54.0	8.55	AV	183.00	400	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	1204.500	36.15	-18.41	74.0	37.85	Peak	214.00	100	Vertical	Pass
1**	1204.500	28.00	-18.41	54.0	26.00	AV	214.00	100	Vertical	Pass
2	2888.500	42.82	-11.45	74.0	31.18	Peak	265.00	400	Vertical	Pass
2**	2888.500	33.33	-11.45	54.0	20.67	AV	265.00	400	Vertical	Pass
3	5072.750	51.23	-2.91	74.0	22.77	Peak	359.00	200	Vertical	Pass
3**	5072.750	41.99	-2.91	54.0	12.01	AV	359.00	200	Vertical	Pass
4	5262.750	101.70	-4.87	--	--	Peak	7.00	300	Vertical	N/A
4**	5262.750	94.04	-4.87	--	--	AV	7.00	300	Vertical	N/A
5	7682.750	55.74	1.06	74.0	18.26	Peak	246.00	100	Vertical	Pass
5**	7682.750	46.80	1.06	54.0	7.20	AV	246.00	100	Vertical	Pass
6	11936.088	53.95	-0.19	74.0	20.05	Peak	265.00	300	Vertical	Pass
6**	11936.088	45.15	-0.19	54.0	8.85	AV	265.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1147.000	36.37	-18.40	74.0	37.63	Peak	109.00	200	Horizontal	Pass
1**	1147.000	26.88	-18.40	54.0	27.12	AV	109.00	200	Horizontal	Pass
2	2844.400	43.20	-11.78	74.0	30.80	Peak	28.00	300	Horizontal	Pass
2**	2844.400	33.44	-11.78	54.0	20.56	AV	28.00	300	Horizontal	Pass
3	5058.750	51.02	-3.30	74.0	22.98	Peak	97.00	200	Horizontal	Pass
3**	5058.750	40.87	-3.30	54.0	13.13	AV	97.00	200	Horizontal	Pass
4	5300.750	96.49	-4.45	--	--	Peak	97.00	300	Horizontal	N/A
4**	5300.750	89.51	-4.45	--	--	AV	97.00	300	Horizontal	N/A
5	7514.250	55.74	0.53	74.0	18.26	Peak	277.00	150	Horizontal	Pass
5**	7514.250	46.49	0.53	54.0	7.51	AV	277.00	150	Horizontal	Pass
6	12487.088	54.15	0.32	74.0	19.85	Peak	149.00	300	Horizontal	Pass
6**	12487.088	44.29	0.32	54.0	9.71	AV	149.00	300	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	1227.200	36.05	-18.59	74.0	37.95	Peak	230.00	400	Vertical	Pass
1**	1227.200	28.04	-18.59	54.0	25.96	AV	230.00	400	Vertical	Pass
2	2890.800	43.25	-11.43	74.0	30.75	Peak	213.00	150	Vertical	Pass
2**	2890.800	33.19	-11.43	54.0	20.81	AV	213.00	150	Vertical	Pass
3	5081.000	50.97	-3.06	74.0	23.03	Peak	7.00	150	Vertical	Pass
3**	5081.000	41.57	-3.06	54.0	12.43	AV	7.00	150	Vertical	Pass
4	5298.250	102.48	-4.57	--	--	Peak	0.00	200	Vertical	N/A
4**	5298.250	94.72	-4.57	--	--	AV	0.00	200	Vertical	N/A
5	7485.250	55.46	0.45	74.0	18.54	Peak	223.00	150	Vertical	Pass
5**	7485.250	46.42	0.45	54.0	7.58	AV	223.00	150	Vertical	Pass
6	12481.150	54.77	0.20	74.0	19.23	Peak	20.00	400	Vertical	Pass
6**	12481.150	45.62	0.20	54.0	8.38	AV	20.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1158.700	37.79	-18.56	74.0	36.21	Peak	128.00	400	Horizontal	Pass
1**	1158.700	29.35	-18.56	54.0	24.65	AV	128.00	400	Horizontal	Pass
2	2838.000	40.96	-12.05	74.0	33.04	Peak	133.00	300	Horizontal	Pass
2**	2838.000	31.90	-12.05	54.0	22.10	AV	133.00	300	Horizontal	Pass
3	4967.500	48.40	-3.90	74.0	25.60	Peak	0.00	200	Horizontal	Pass
3**	4967.500	38.82	-3.90	54.0	15.18	AV	0.00	200	Horizontal	Pass
4	5319.000	99.76	-4.30	--	--	Peak	101.00	200	Horizontal	N/A
4**	5319.000	92.53	-4.30	--	--	AV	101.00	200	Horizontal	N/A
5	7687.750	54.50	1.30	74.0	19.50	Peak	31.00	100	Horizontal	Pass
5**	7687.750	45.45	1.30	54.0	8.55	AV	31.00	100	Horizontal	Pass
6	11893.100	54.56	-0.54	74.0	19.44	Peak	196.00	400	Horizontal	Pass
6**	11893.100	44.99	-0.54	54.0	9.01	AV	196.00	400	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	1185.400	35.95	-18.52	74.0	38.05	Peak	84.00	150	Vertical	Pass
1**	1185.400	26.07	-18.52	54.0	27.93	AV	84.00	150	Vertical	Pass
2	2810.400	41.12	-12.37	74.0	32.88	Peak	45.00	300	Vertical	Pass
2**	2810.400	31.79	-12.37	54.0	22.21	AV	45.00	300	Vertical	Pass
3	5002.750	50.40	-3.77	74.0	23.60	Peak	360.00	100	Vertical	Pass
3**	5002.750	40.17	-3.77	54.0	13.83	AV	360.00	100	Vertical	Pass
4	5318.500	103.31	-4.27	--	--	Peak	0.00	400	Vertical	N/A
4**	5318.500	95.88	-4.27	--	--	AV	0.00	400	Vertical	N/A
5	7489.500	54.02	0.31	74.0	19.98	Peak	236.00	100	Vertical	Pass
5**	7489.500	45.35	0.31	54.0	8.65	AV	236.00	100	Vertical	Pass
6	12497.776	54.56	0.33	74.0	19.44	Peak	331.00	400	Vertical	Pass
6**	12497.776	44.65	0.33	54.0	9.35	AV	331.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1018.700	38.26	-18.47	74.0	35.74	Peak	27.00	300	Horizontal	Pass
1**	1018.700	28.10	-18.47	54.0	25.90	AV	27.00	300	Horizontal	Pass
2	2859.800	42.50	-11.84	74.0	31.50	Peak	50.00	400	Horizontal	Pass
2**	2859.800	32.78	-11.84	54.0	21.22	AV	50.00	400	Horizontal	Pass
3	5049.500	51.22	-3.60	74.0	22.78	Peak	154.00	200	Horizontal	Pass
3**	5049.500	41.83	-3.60	54.0	12.17	AV	154.00	200	Horizontal	Pass
4	5499.000	100.03	-3.81	--	--	Peak	98.00	300	Horizontal	N/A
4**	5499.000	93.17	-3.81	--	--	AV	98.00	300	Horizontal	N/A
5	7545.500	55.74	0.09	74.0	18.26	Peak	188.00	200	Horizontal	Pass
5**	7545.500	45.57	0.09	54.0	8.43	AV	188.00	200	Horizontal	Pass
6	11931.338	54.37	-0.15	74.0	19.63	Peak	282.00	300	Horizontal	Pass
6**	11931.338	44.48	-0.15	54.0	9.52	AV	282.00	300	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	1198.000	37.13	-18.59	74.0	36.87	Peak	93.00	200	Vertical	Pass
1**	1198.000	26.80	-18.59	54.0	27.20	AV	93.00	200	Vertical	Pass
2	2882.800	42.53	-11.80	74.0	31.47	Peak	105.00	300	Vertical	Pass
2**	2882.800	32.59	-11.80	54.0	21.41	AV	105.00	300	Vertical	Pass
3	4688.000	49.88	-4.91	74.0	24.12	Peak	345.00	150	Vertical	Pass
3**	4688.000	39.65	-4.91	54.0	14.35	AV	345.00	150	Vertical	Pass
4	5499.500	104.19	-3.81	--	--	Peak	0.00	300	Vertical	N/A
4**	5499.500	96.36	-3.81	--	--	AV	0.00	300	Vertical	N/A
5	7500.500	56.33	0.49	74.0	17.67	Peak	360.00	100	Vertical	Pass
5**	7500.500	46.35	0.49	54.0	7.65	AV	360.00	100	Vertical	Pass
6	11298.400	54.60	-0.40	74.0	19.40	Peak	283.00	150	Vertical	Pass
6**	11298.400	44.81	-0.40	54.0	9.19	AV	283.00	150	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	1157.000	38.22	-18.38	74.0	35.78	Peak	132.00	150	Horizontal	Pass
1**	1157.000	28.40	-18.38	54.0	25.60	AV	132.00	150	Horizontal	Pass
2	2775.700	42.39	-12.07	74.0	31.61	Peak	207.00	150	Horizontal	Pass
2**	2775.700	32.61	-12.07	54.0	21.39	AV	207.00	150	Horizontal	Pass
3	4987.500	50.42	-3.51	74.0	23.58	Peak	283.00	150	Horizontal	Pass
3**	4987.500	40.88	-3.51	54.0	13.12	AV	283.00	150	Horizontal	Pass
4	5578.500	97.80	-4.31	--	--	Peak	91.00	150	Horizontal	N/A
4**	5578.500	91.60	-4.31	--	--	AV	91.00	150	Horizontal	N/A
5	7510.500	55.31	0.58	74.0	18.69	Peak	213.00	150	Horizontal	Pass
5**	7510.500	47.69	0.58	54.0	6.31	AV	213.00	150	Horizontal	Pass
6	11903.075	53.93	-0.43	74.0	20.07	Peak	47.00	150	Horizontal	Pass
6**	11903.075	44.40	-0.43	54.0	9.60	AV	47.00	150	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	1147.000	36.62	-18.40	74.0	37.38	Peak	197.00	150	Vertical	Pass
1**	1147.000	27.60	-18.40	54.0	26.40	AV	197.00	150	Vertical	Pass
2	2768.100	42.44	-12.52	74.0	31.56	Peak	37.00	300	Vertical	Pass
2**	2768.100	33.49	-12.52	54.0	20.51	AV	37.00	300	Vertical	Pass
3	4923.000	50.28	-4.18	74.0	23.72	Peak	7.00	150	Vertical	Pass
3**	4923.000	41.55	-4.18	54.0	12.45	AV	7.00	150	Vertical	Pass
4	5578.250	102.78	-4.30	--	--	Peak	353.00	200	Vertical	N/A
4**	5578.250	95.15	-4.30	--	--	AV	353.00	200	Vertical	N/A
5	7474.750	56.52	0.57	74.0	17.48	Peak	108.00	150	Vertical	Pass
5**	7474.750	46.71	0.57	54.0	7.29	AV	108.00	150	Vertical	Pass
6	12674.950	54.43	0.42	74.0	19.57	Peak	30.00	200	Vertical	Pass
6**	12674.950	45.36	0.42	54.0	8.64	AV	30.00	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	1166.000	37.68	-18.71	74.0	36.32	Peak	161.00	200	Horizontal	Pass
1**	1166.000	27.86	-18.71	54.0	26.14	AV	161.00	200	Horizontal	Pass
2	2861.100	43.05	-11.76	74.0	30.95	Peak	89.00	100	Horizontal	Pass
2**	2861.100	33.14	-11.76	54.0	20.86	AV	89.00	100	Horizontal	Pass
3	4988.250	49.70	-3.51	74.0	24.30	Peak	41.00	150	Horizontal	Pass
3**	4988.250	41.53	-3.51	54.0	12.47	AV	41.00	150	Horizontal	Pass
4	5698.000	98.96	-3.32	--	--	Peak	87.00	200	Horizontal	N/A
4**	5698.000	91.76	-3.32	--	--	AV	87.00	200	Horizontal	N/A
5	7339.750	55.47	0.53	74.0	18.53	Peak	360.00	150	Horizontal	Pass
5**	7339.750	46.02	0.53	54.0	7.98	AV	360.00	150	Horizontal	Pass
6	11985.724	54.37	-0.03	74.0	19.63	Peak	3.00	400	Horizontal	Pass
6**	11985.724	44.57	-0.03	54.0	9.43	AV	3.00	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	1133.600	35.96	-18.63	74.0	38.04	Peak	169.00	150	Vertical	Pass
1**	1133.600	27.03	-18.63	54.0	26.97	AV	169.00	150	Vertical	Pass
2	2861.200	42.69	-11.76	74.0	31.31	Peak	238.00	200	Vertical	Pass
2**	2861.200	33.26	-11.76	54.0	20.74	AV	238.00	200	Vertical	Pass
3	5068.500	50.77	-2.97	74.0	23.23	Peak	39.00	150	Vertical	Pass
3**	5068.500	41.55	-2.97	54.0	12.45	AV	39.00	150	Vertical	Pass
4	5701.250	103.00	-3.22	--	--	Peak	360.00	300	Vertical	N/A
4**	5701.250	95.66	-3.22	--	--	AV	360.00	300	Vertical	N/A
5	7397.500	56.23	0.41	74.0	17.77	Peak	29.00	150	Vertical	Pass
5**	7397.500	46.29	0.41	54.0	7.71	AV	29.00	150	Vertical	Pass
6	11938.224	54.86	-0.18	74.0	19.14	Peak	158.00	300	Vertical	Pass
6**	11938.224	44.96	-0.18	54.0	9.04	AV	158.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1160.900	38.19	-18.64	74.0	35.81	Peak	127.00	300	Horizontal	Pass
1**	1160.900	28.80	-18.64	54.0	25.20	AV	127.00	300	Horizontal	Pass
2	2862.500	42.56	-11.68	74.0	31.44	Peak	7.00	300	Horizontal	Pass
2**	2862.500	32.82	-11.68	54.0	21.18	AV	7.00	300	Horizontal	Pass
3	4988.500	50.61	-3.51	74.0	23.39	Peak	218.00	150	Horizontal	Pass
3**	4988.500	41.58	-3.51	54.0	12.42	AV	218.00	150	Horizontal	Pass
4	5501.750	99.78	-3.76	--	--	Peak	85.00	300	Horizontal	N/A
4**	5501.750	92.15	-3.76	--	--	AV	85.00	300	Horizontal	N/A
5	7476.750	55.67	0.64	74.0	18.33	Peak	62.00	200	Horizontal	Pass
5**	7476.750	46.57	0.64	54.0	7.43	AV	62.00	200	Horizontal	Pass
6	11923.500	54.54	-0.20	74.0	19.46	Peak	360.00	400	Horizontal	Pass
6**	11923.500	44.90	-0.20	54.0	9.10	AV	360.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1040.800	36.44	-18.66	74.0	37.56	Peak	213.00	150	Vertical	Pass
1**	1040.800	27.83	-18.66	54.0	26.17	AV	213.00	150	Vertical	Pass
2	2886.000	42.60	-11.58	74.0	31.40	Peak	82.00	300	Vertical	Pass
2**	2886.000	32.80	-11.58	54.0	21.20	AV	82.00	300	Vertical	Pass
3	5070.500	50.42	-2.92	74.0	23.58	Peak	8.00	100	Vertical	Pass
3**	5070.500	42.25	-2.92	54.0	11.75	AV	8.00	100	Vertical	Pass
4	5502.750	104.37	-3.79	--	--	Peak	353.00	300	Vertical	N/A
4**	5502.750	96.63	-3.79	--	--	AV	353.00	300	Vertical	N/A
5	7250.750	55.96	0.87	74.0	18.04	Peak	130.00	100	Vertical	Pass
5**	7250.750	46.02	0.87	54.0	7.98	AV	130.00	100	Vertical	Pass
6	11973.375	54.24	-0.04	74.0	19.76	Peak	0.00	100	Vertical	Pass
6**	11973.375	44.26	-0.04	54.0	9.74	AV	0.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1006.200	38.18	-18.56	74.0	35.82	Peak	41.00	300	Horizontal	Pass
1**	1006.200	28.72	-18.56	54.0	25.28	AV	41.00	300	Horizontal	Pass
2	2847.100	42.30	-11.77	74.0	31.70	Peak	243.00	100	Horizontal	Pass
2**	2847.100	32.90	-11.77	54.0	21.10	AV	243.00	100	Horizontal	Pass
3	5008.000	50.33	-3.76	74.0	23.67	Peak	29.00	150	Horizontal	Pass
3**	5008.000	41.21	-3.76	54.0	12.79	AV	29.00	150	Horizontal	Pass
4	5579.000	97.82	-4.33	--	--	Peak	86.00	400	Horizontal	N/A
4**	5579.000	90.59	-4.33	--	--	AV	86.00	400	Horizontal	N/A
5	7490.500	55.67	0.31	74.0	18.33	Peak	353.00	150	Horizontal	Pass
5**	7490.500	46.11	0.31	54.0	7.89	AV	353.00	150	Horizontal	Pass
6	12573.537	54.09	-0.50	74.0	19.91	Peak	98.00	400	Horizontal	Pass
6**	12573.537	43.64	-0.50	54.0	10.36	AV	98.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1041.200	37.40	-18.69	74.0	36.60	Peak	65.00	200	Vertical	Pass
1**	1041.200	27.05	-18.69	54.0	26.95	AV	65.00	200	Vertical	Pass
2	2777.300	42.84	-12.03	74.0	31.16	Peak	196.00	400	Vertical	Pass
2**	2777.300	32.90	-12.03	54.0	21.10	AV	196.00	400	Vertical	Pass
3	4996.500	51.41	-3.70	74.0	22.59	Peak	273.00	100	Vertical	Pass
3**	4996.500	41.13	-3.70	54.0	12.87	AV	273.00	100	Vertical	Pass
4	5582.250	103.13	-4.25	--	--	Peak	360.00	100	Vertical	N/A
4**	5582.250	95.55	-4.25	--	--	AV	360.00	100	Vertical	N/A
5	7402.000	55.92	0.41	74.0	18.08	Peak	0.00	200	Vertical	Pass
5**	7402.000	45.99	0.41	54.0	8.01	AV	0.00	200	Vertical	Pass
6	12461.674	53.75	0.10	74.0	20.25	Peak	262.00	100	Vertical	Pass
6**	12461.674	44.30	0.10	54.0	9.70	AV	262.00	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	1172.600	37.52	-18.60	74.0	36.48	Peak	126.00	150	Horizontal	Pass
1**	1172.600	28.41	-18.60	54.0	25.59	AV	126.00	150	Horizontal	Pass
2	2847.200	42.66	-11.77	74.0	31.34	Peak	0.00	400	Horizontal	Pass
2**	2847.200	33.58	-11.77	54.0	20.42	AV	0.00	400	Horizontal	Pass
3	4989.500	50.31	-3.53	74.0	23.69	Peak	50.00	200	Horizontal	Pass
3**	4989.500	41.01	-3.53	54.0	12.99	AV	50.00	200	Horizontal	Pass
4	5698.500	97.33	-3.26	--	--	Peak	73.00	300	Horizontal	N/A
4**	5698.500	89.48	-3.26	--	--	AV	73.00	300	Horizontal	N/A
5	7467.250	55.78	0.43	74.0	18.22	Peak	252.00	200	Horizontal	Pass
5**	7467.250	46.70	0.43	54.0	7.30	AV	252.00	200	Horizontal	Pass
6	11932.049	53.89	-0.16	74.0	20.11	Peak	360.00	200	Horizontal	Pass
6**	11932.049	44.91	-0.16	54.0	9.09	AV	360.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1192.900	37.19	-18.53	74.0	36.81	Peak	177.00	300	Vertical	Pass
1**	1192.900	27.40	-18.53	54.0	26.60	AV	177.00	300	Vertical	Pass
2	2873.800	42.23	-11.92	74.0	31.77	Peak	194.00	300	Vertical	Pass
2**	2873.800	32.87	-11.92	54.0	21.13	AV	194.00	300	Vertical	Pass
3	4986.500	50.54	-3.53	74.0	23.46	Peak	0.00	200	Vertical	Pass
3**	4986.500	41.91	-3.53	54.0	12.09	AV	0.00	200	Vertical	Pass
4	5698.500	102.86	-3.26	--	--	Peak	360.00	300	Vertical	N/A
4**	5698.500	94.93	-3.26	--	--	AV	360.00	300	Vertical	N/A
5	7417.000	56.44	0.19	74.0	17.56	Peak	164.00	150	Vertical	Pass
5**	7417.000	46.97	0.19	54.0	7.03	AV	164.00	150	Vertical	Pass
6	11264.675	53.93	-0.80	74.0	20.07	Peak	129.00	200	Vertical	Pass
6**	11264.675	43.68	-0.80	54.0	10.32	AV	129.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1191.600	37.85	-18.54	74.0	36.15	Peak	327.00	100	Horizontal	Pass
1**	1191.600	28.75	-18.54	54.0	25.25	AV	327.00	100	Horizontal	Pass
2	2839.000	42.35	-11.95	74.0	31.65	Peak	57.00	100	Horizontal	Pass
2**	2839.000	32.60	-11.95	54.0	21.40	AV	57.00	100	Horizontal	Pass
3	5005.000	50.05	-3.76	74.0	23.95	Peak	13.00	200	Horizontal	Pass
3**	5005.000	41.35	-3.76	54.0	12.65	AV	13.00	200	Horizontal	Pass
4	5746.500	97.27	-3.40	--	--	Peak	217.00	400	Horizontal	N/A
4**	5746.500	89.62	-3.40	--	--	AV	217.00	400	Horizontal	N/A
5	7481.250	55.33	0.58	74.0	18.67	Peak	25.00	100	Horizontal	Pass
5**	7481.250	46.12	0.58	54.0	7.88	AV	25.00	100	Horizontal	Pass
6	11884.075	54.18	-0.65	74.0	19.82	Peak	360.00	300	Horizontal	Pass
6**	11884.075	44.17	-0.65	54.0	9.83	AV	360.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1170.800	36.98	-18.68	74.0	37.02	Peak	246.00	200	Vertical	Pass
1**	1170.800	27.97	-18.68	54.0	26.03	AV	246.00	200	Vertical	Pass
2	2878.700	42.83	-11.74	74.0	31.17	Peak	256.00	100	Vertical	Pass
2**	2878.700	33.38	-11.74	54.0	20.62	AV	256.00	100	Vertical	Pass
3	5063.250	51.49	-3.09	74.0	22.51	Peak	239.00	100	Vertical	Pass
3**	5063.250	42.35	-3.09	54.0	11.65	AV	239.00	100	Vertical	Pass
4	5747.000	102.11	-3.36	--	--	Peak	160.00	200	Vertical	N/A
4**	5747.000	95.01	-3.36	--	--	AV	160.00	200	Vertical	N/A
5	7479.000	55.26	0.63	74.0	18.74	Peak	329.00	100	Vertical	Pass
5**	7479.000	47.74	0.63	54.0	6.26	AV	329.00	100	Vertical	Pass
6	11969.100	53.99	-0.05	74.0	20.01	Peak	325.00	200	Vertical	Pass
6**	11969.100	45.01	-0.05	54.0	8.99	AV	325.00	200	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	1149.800	37.89	-18.44	74.0	36.11	Peak	143.00	400	Horizontal	Pass
1**	1149.800	27.47	-18.44	54.0	26.53	AV	143.00	400	Horizontal	Pass
2	2708.300	42.27	-12.95	74.0	31.73	Peak	46.00	400	Horizontal	Pass
2**	2708.300	32.73	-12.95	54.0	21.27	AV	46.00	400	Horizontal	Pass
3	4986.250	50.62	-3.54	74.0	23.38	Peak	162.00	100	Horizontal	Pass
3**	4986.250	41.41	-3.54	54.0	12.59	AV	162.00	100	Horizontal	Pass
4	5787.000	96.70	-2.44	--	--	Peak	72.00	100	Horizontal	N/A
4**	5787.000	89.41	-2.44	--	--	AV	72.00	100	Horizontal	N/A
5	7421.250	55.65	0.09	74.0	18.35	Peak	184.00	100	Horizontal	Pass
5**	7421.250	45.81	0.09	54.0	8.19	AV	184.00	100	Horizontal	Pass
6	12494.925	53.78	0.34	74.0	20.22	Peak	80.00	300	Horizontal	Pass
6**	12494.925	44.58	0.34	54.0	9.42	AV	80.00	300	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	1134.600	36.74	-18.59	74.0	37.26	Peak	139.00	150	Vertical	Pass
1**	1134.600	26.92	-18.59	54.0	27.08	AV	139.00	150	Vertical	Pass
2	2767.500	42.67	-12.55	74.0	31.33	Peak	139.00	400	Vertical	Pass
2**	2767.500	33.11	-12.55	54.0	20.89	AV	139.00	400	Vertical	Pass
3	5075.000	51.09	-2.94	74.0	22.91	Peak	360.00	150	Vertical	Pass
3**	5075.000	43.30	-2.94	54.0	10.70	AV	360.00	150	Vertical	Pass
4	5786.500	102.72	-2.43	--	--	Peak	151.00	300	Vertical	N/A
4**	5786.500	95.41	-2.43	--	--	AV	151.00	300	Vertical	N/A
5	7530.500	56.02	0.04	74.0	17.98	Peak	274.00	200	Vertical	Pass
5**	7530.500	46.25	0.04	54.0	7.75	AV	274.00	200	Vertical	Pass
6	11299.826	54.11	-0.39	74.0	19.89	Peak	131.00	100	Vertical	Pass
6**	11299.826	44.72	-0.39	54.0	9.28	AV	131.00	100	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	1191.800	38.18	-18.52	74.0	35.82	Peak	315.00	300	Horizontal	Pass
1**	1191.800	29.38	-18.52	54.0	24.62	AV	315.00	300	Horizontal	Pass
2	2872.500	42.56	-11.79	74.0	31.44	Peak	166.00	300	Horizontal	Pass
2**	2872.500	32.74	-11.79	54.0	21.26	AV	166.00	300	Horizontal	Pass
3	5055.250	50.73	-3.49	74.0	23.27	Peak	55.00	150	Horizontal	Pass
3**	5055.250	41.21	-3.49	54.0	12.79	AV	55.00	150	Horizontal	Pass
4	5824.250	96.84	-2.26	--	--	Peak	148.00	400	Horizontal	N/A
4**	5824.250	89.22	-2.26	--	--	AV	148.00	400	Horizontal	N/A
5	7474.500	55.69	0.59	74.0	18.31	Peak	274.00	150	Horizontal	Pass
5**	7474.500	46.87	0.59	54.0	7.13	AV	274.00	150	Horizontal	Pass
6	12677.800	53.73	0.43	74.0	20.27	Peak	235.00	400	Horizontal	Pass
6**	12677.800	46.10	0.43	54.0	7.90	AV	235.00	400	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	1225.700	37.41	-18.60	74.0	36.59	Peak	275.00	100	Vertical	Pass
1**	1225.700	27.52	-18.60	54.0	26.48	AV	275.00	100	Vertical	Pass
2	2881.900	42.53	-11.83	74.0	31.47	Peak	264.00	100	Vertical	Pass
2**	2881.900	33.48	-11.83	54.0	20.52	AV	264.00	100	Vertical	Pass
3	4909.250	50.67	-4.23	74.0	23.33	Peak	352.00	100	Vertical	Pass
3**	4909.250	41.36	-4.23	54.0	12.64	AV	352.00	100	Vertical	Pass
4	5824.750	102.94	-2.27	--	--	Peak	158.00	400	Vertical	N/A
4**	5824.750	94.60	-2.27	--	--	AV	158.00	400	Vertical	N/A
5	7468.750	55.47	0.49	74.0	18.53	Peak	296.00	100	Vertical	Pass
5**	7468.750	47.18	0.49	54.0	6.82	AV	296.00	100	Vertical	Pass
6	11960.549	55.08	-0.00	74.0	18.92	Peak	276.00	400	Vertical	Pass
6**	11960.549	45.45	-0.00	54.0	8.55	AV	276.00	400	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	1149.700	37.98	-18.43	74.0	36.02	Peak	139.00	300	Horizontal	Pass
1**	1149.700	28.36	-18.43	54.0	25.64	AV	139.00	300	Horizontal	Pass
2	2875.700	42.59	-11.86	74.0	31.41	Peak	145.00	300	Horizontal	Pass
2**	2875.700	32.70	-11.86	54.0	21.30	AV	145.00	300	Horizontal	Pass
3	5008.500	51.08	-3.75	74.0	22.92	Peak	4.00	150	Horizontal	Pass
3**	5008.500	41.61	-3.75	54.0	12.39	AV	4.00	150	Horizontal	Pass
4	5744.000	96.05	-3.43	--	--	Peak	139.00	400	Horizontal	N/A
4**	5744.000	88.95	-3.43	--	--	AV	139.00	400	Horizontal	N/A
5	7466.750	55.39	0.38	74.0	18.61	Peak	329.00	100	Horizontal	Pass
5**	7466.750	46.55	0.38	54.0	7.45	AV	329.00	100	Horizontal	Pass
6	11970.050	54.03	-0.05	74.0	19.97	Peak	0.00	400	Horizontal	Pass
6**	11970.050	44.48	-0.05	54.0	9.52	AV	0.00	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	1172.700	36.76	-18.62	74.0	37.24	Peak	187.00	300	Vertical	Pass
1**	1172.700	28.57	-18.62	54.0	25.43	AV	187.00	300	Vertical	Pass
2	2872.200	42.29	-11.73	74.0	31.71	Peak	147.00	300	Vertical	Pass
2**	2872.200	33.68	-11.73	54.0	20.32	AV	147.00	300	Vertical	Pass
3	5055.000	50.88	-3.52	74.0	23.12	Peak	243.00	200	Vertical	Pass
3**	5055.000	41.84	-3.52	54.0	12.16	AV	243.00	200	Vertical	Pass
4	5743.500	102.50	-3.44	--	--	Peak	164.00	200	Vertical	N/A
4**	5743.500	94.94	-3.44	--	--	AV	164.00	200	Vertical	N/A
5	7367.000	56.32	0.28	74.0	17.68	Peak	96.00	150	Vertical	Pass
5**	7367.000	45.70	0.28	54.0	8.30	AV	96.00	150	Vertical	Pass
6	12500.625	54.23	0.31	74.0	19.77	Peak	130.00	400	Vertical	Pass
6**	12500.625	44.93	0.31	54.0	9.07	AV	130.00	400	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	1157.300	38.81	-18.45	74.0	35.19	Peak	122.00	400	Horizontal	Pass
1**	1157.300	29.85	-18.45	54.0	24.15	AV	122.00	400	Horizontal	Pass
2	2885.900	42.25	-11.57	74.0	31.75	Peak	18.00	200	Horizontal	Pass
2**	2885.900	33.12	-11.57	54.0	20.88	AV	18.00	200	Horizontal	Pass
3	5066.750	50.23	-2.91	74.0	23.77	Peak	158.00	100	Horizontal	Pass
3**	5066.750	41.49	-2.91	54.0	12.51	AV	158.00	100	Horizontal	Pass
4	5783.500	97.29	-2.31	--	--	Peak	135.00	400	Horizontal	N/A
4**	5783.500	88.86	-2.31	--	--	AV	135.00	400	Horizontal	N/A
5	7675.750	55.80	0.55	74.0	18.20	Peak	0.00	100	Horizontal	Pass
5**	7675.750	45.45	0.55	54.0	8.55	AV	0.00	100	Horizontal	Pass
6	11889.299	53.79	-0.60	74.0	20.21	Peak	97.00	200	Horizontal	Pass
6**	11889.299	45.05	-0.60	54.0	8.95	AV	97.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1152.300	37.79	-18.43	74.0	36.21	Peak	197.00	100	Vertical	Pass
1**	1152.300	26.79	-18.43	54.0	27.21	AV	197.00	100	Vertical	Pass
2	2773.900	43.35	-12.19	74.0	30.65	Peak	337.00	400	Vertical	Pass
2**	2773.900	33.04	-12.19	54.0	20.96	AV	337.00	400	Vertical	Pass
3	4997.000	50.68	-3.72	74.0	23.32	Peak	330.00	150	Vertical	Pass
3**	4997.000	41.03	-3.72	54.0	12.97	AV	330.00	150	Vertical	Pass
4	5783.750	102.25	-2.32	--	--	Peak	152.00	100	Vertical	N/A
4**	5783.750	95.13	-2.32	--	--	AV	152.00	100	Vertical	N/A
5	7472.000	56.05	0.58	74.0	17.95	Peak	163.00	150	Vertical	Pass
5**	7472.000	46.32	0.58	54.0	7.68	AV	163.00	150	Vertical	Pass
6	11934.662	54.33	-0.19	74.0	19.67	Peak	360.00	200	Vertical	Pass
6**	11934.662	44.31	-0.19	54.0	9.69	AV	360.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1148.400	37.94	-18.47	74.0	36.06	Peak	131.00	200	Horizontal	Pass
1**	1148.400	28.64	-18.47	54.0	25.36	AV	131.00	200	Horizontal	Pass
2	2849.000	42.15	-11.70	74.0	31.85	Peak	81.00	100	Horizontal	Pass
2**	2849.000	33.72	-11.70	54.0	20.28	AV	81.00	100	Horizontal	Pass
3	5075.750	50.15	-2.94	74.0	23.85	Peak	117.00	100	Horizontal	Pass
3**	5075.750	41.40	-2.94	54.0	12.60	AV	117.00	100	Horizontal	Pass
4	5824.000	96.67	-2.26	--	--	Peak	140.00	300	Horizontal	N/A
4**	5824.000	89.44	-2.26	--	--	AV	140.00	300	Horizontal	N/A
5	7502.750	55.60	0.54	74.0	18.40	Peak	150.00	200	Horizontal	Pass
5**	7502.750	46.48	0.54	54.0	7.52	AV	150.00	200	Horizontal	Pass
6	12689.200	54.43	0.66	74.0	19.57	Peak	262.00	300	Horizontal	Pass
6**	12689.200	44.26	0.66	54.0	9.74	AV	262.00	300	Horizontal	Pass

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

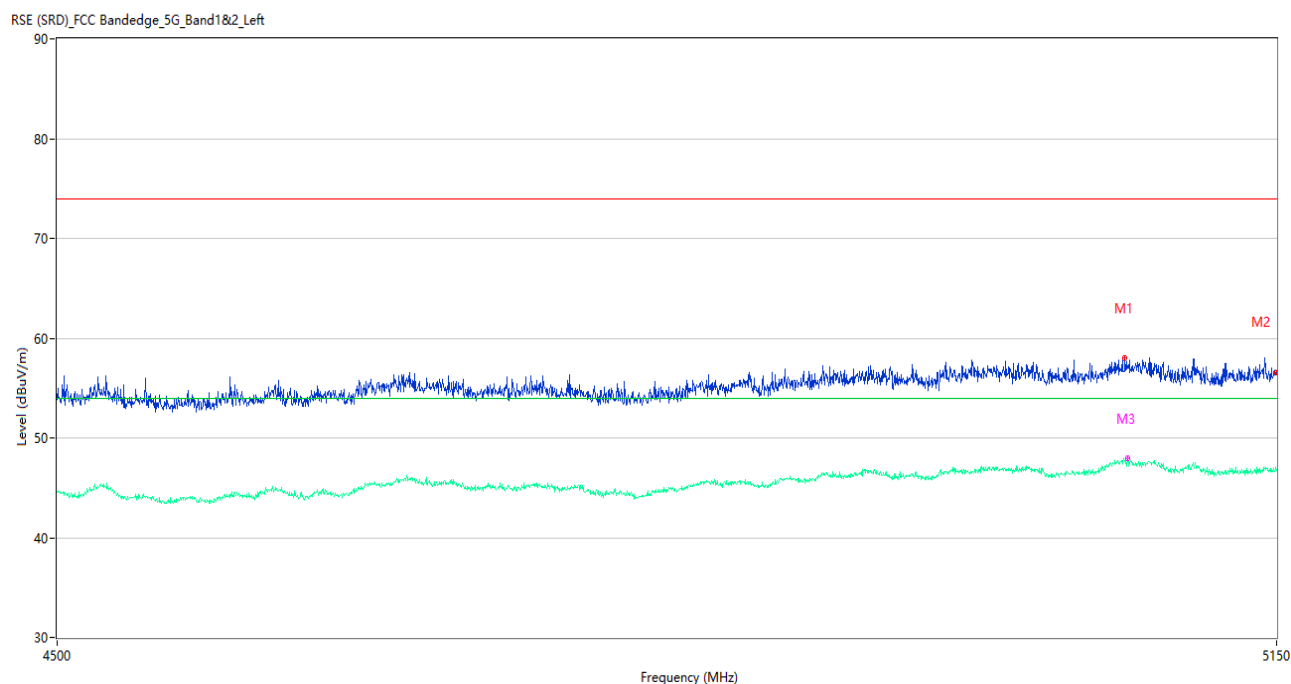
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1195.200	37.69	-18.61	74.0	36.31	Peak	106.00	300	Vertical	Pass
1**	1195.200	27.12	-18.61	54.0	26.88	AV	106.00	300	Vertical	Pass
2	2841.400	42.02	-11.95	74.0	31.98	Peak	31.00	150	Vertical	Pass
2**	2841.400	33.58	-11.95	54.0	20.42	AV	31.00	150	Vertical	Pass
3	5076.000	50.02	-2.93	74.0	23.98	Peak	360.00	200	Vertical	Pass
3**	5076.000	41.33	-2.93	54.0	12.67	AV	360.00	200	Vertical	Pass
4	5823.500	102.40	-2.27	--	--	Peak	151.00	300	Vertical	N/A
4**	5823.500	94.79	-2.27	--	--	AV	151.00	300	Vertical	N/A
5	7505.500	55.33	0.57	74.0	18.67	Peak	341.00	150	Vertical	Pass
5**	7505.500	46.41	0.57	54.0	7.59	AV	341.00	150	Vertical	Pass
6	11925.875	54.24	-0.17	74.0	19.76	Peak	46.00	400	Vertical	Pass
6**	11925.875	44.82	-0.17	54.0	9.18	AV	46.00	400	Vertical	Pass

A.6.2 Band Edge (Restricted-band)

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

Test Data and Plots

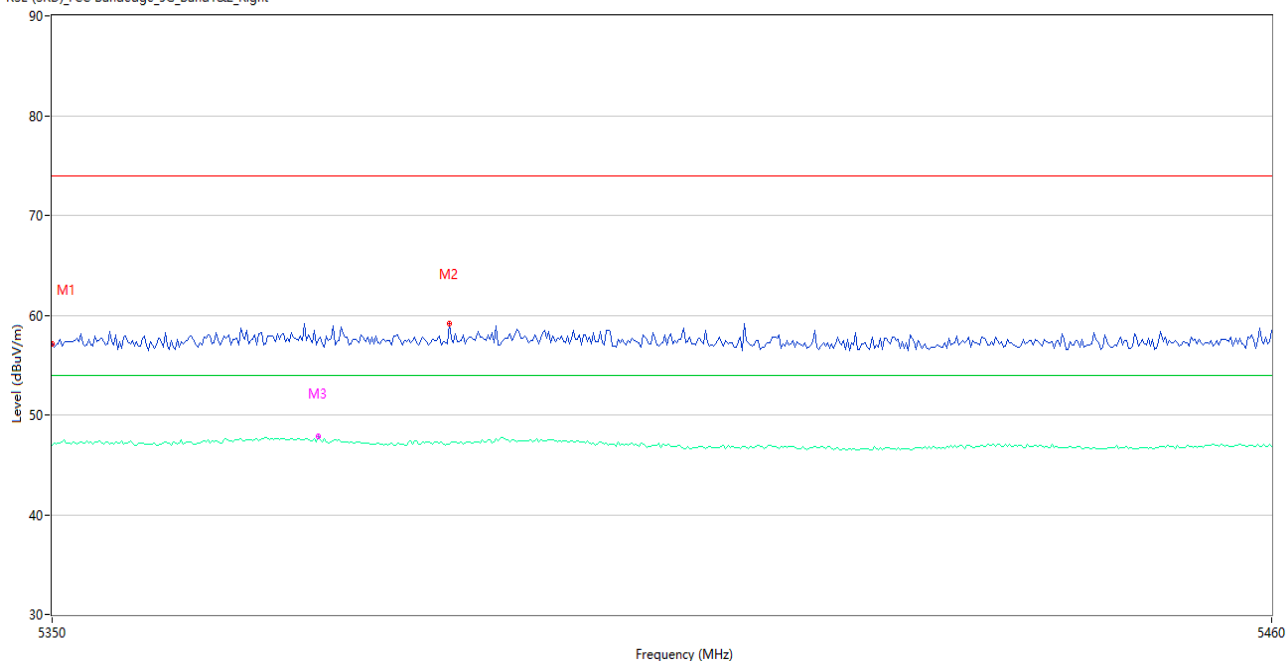
U-NII-1 11a Low Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5064.200	58.01	4.78	74.0	15.99	Peak	12.00	200	Vertical	Pass
1**	5064.200	47.64	4.78	54.0	6.36	AV	12.00	200	Vertical	Pass
2	5150.000	56.59	3.68	74.0	17.41	Peak	134.00	100	Vertical	Pass
2**	5150.000	46.78	3.68	54.0	7.22	AV	134.00	100	Vertical	Pass
3	5065.825	57.06	4.82	74.0	16.94	Peak	123.00	150	Vertical	Pass
3**	5065.825	47.99	4.82	54.0	6.01	AV	123.00	150	Vertical	Pass

U-NII-1 11a High Channel

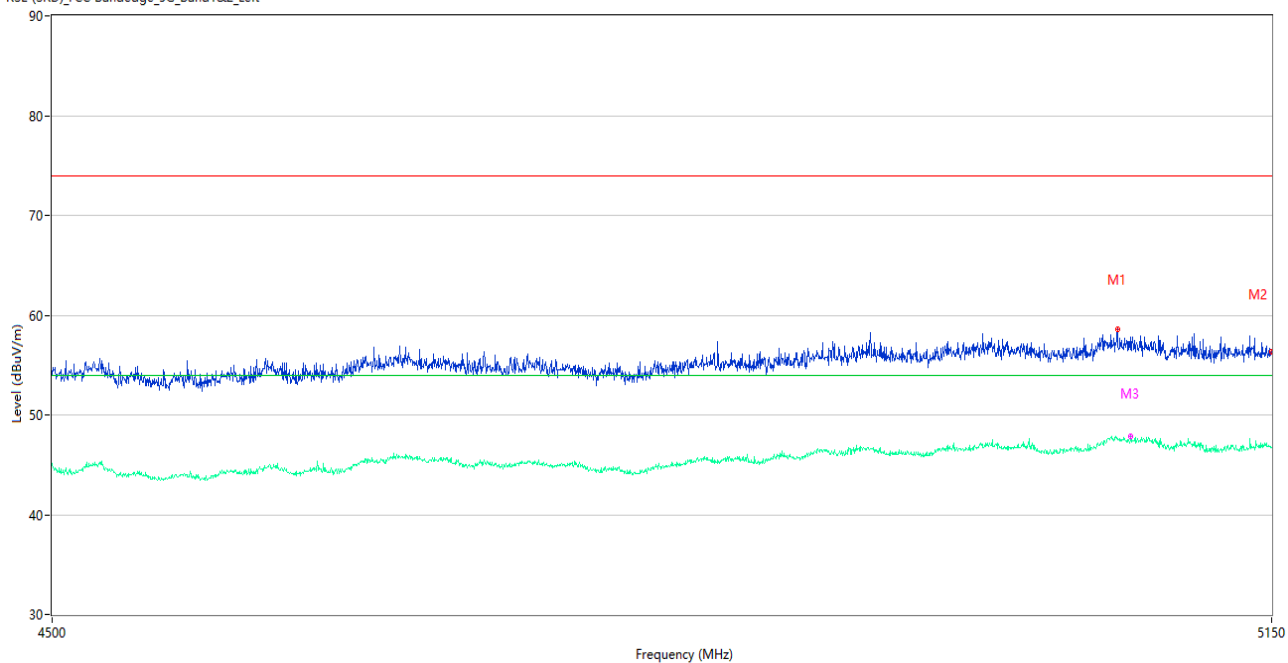
RSE (SRD)_FCC Bandedge_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	57.07	3.28	74.0	16.93	Peak	136.00	100	Vertical	Pass
1**	5350.000	46.93	3.28	54.0	7.07	AV	136.00	100	Vertical	Pass
2	5385.567	59.16	4.38	74.0	14.84	Peak	314.00	200	Vertical	Pass
2**	5385.567	47.05	4.38	54.0	6.95	AV	314.00	200	Vertical	Pass
3	5373.834	57.62	4.12	74.0	16.38	Peak	131.00	150	Vertical	Pass
3**	5373.834	47.81	4.12	54.0	6.19	AV	131.00	150	Vertical	Pass

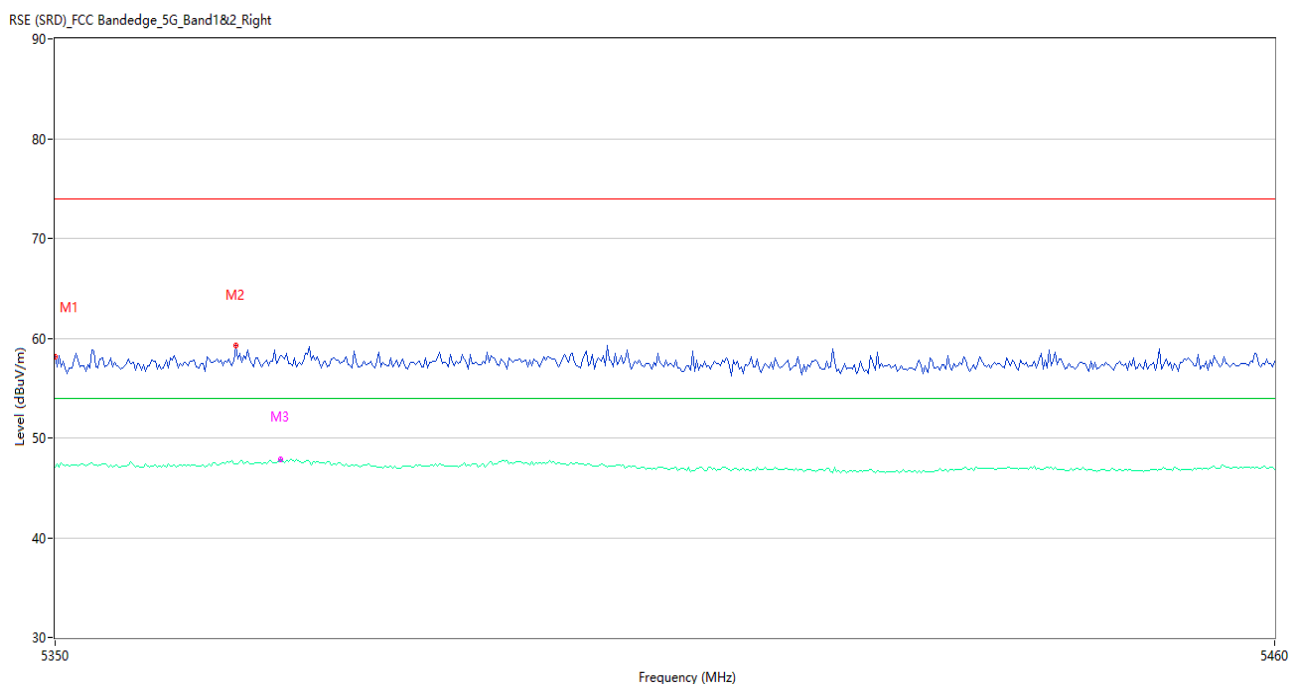
U-NII-1 11n20 Low Channel

RSE (SRD)_FCC Bandedge_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5062.900	58.55	4.81	74.0	15.45	Peak	319.00	150	Vertical	Pass
1**	5062.900	47.56	4.81	54.0	6.44	AV	319.00	150	Vertical	Pass
2	5150.000	56.32	3.68	74.0	17.68	Peak	80.00	150	Vertical	Pass
2**	5150.000	46.72	3.68	54.0	7.28	AV	80.00	150	Vertical	Pass
3	5070.375	56.63	4.71	74.0	17.37	Peak	23.00	150	Vertical	Pass
3**	5070.375	47.84	4.71	54.0	6.16	AV	23.00	150	Vertical	Pass

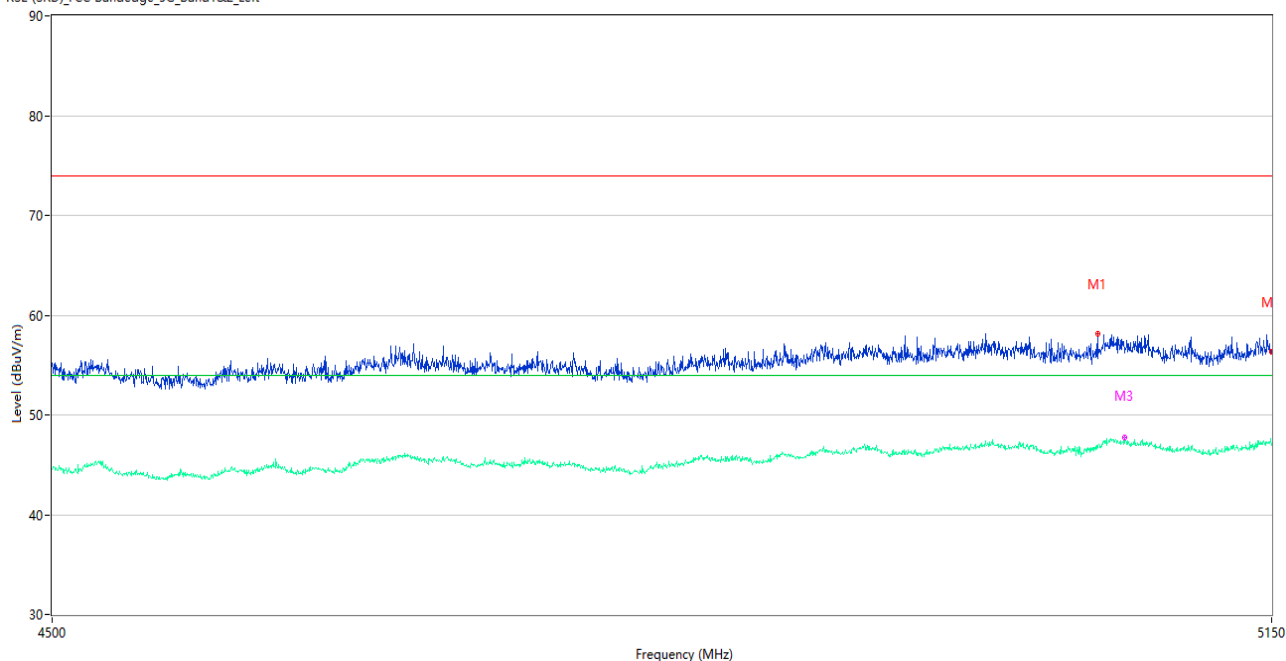
U-NII-1 11n20 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	58.11	3.28	74.0	15.89	Peak	172.00	150	Vertical	Pass
1**	5350.000	47.02	3.28	54.0	6.98	AV	172.00	150	Vertical	Pass
2	5366.133	59.32	3.81	74.0	14.68	Peak	360.00	200	Vertical	Pass
2**	5366.133	47.38	3.81	54.0	6.62	AV	360.00	200	Vertical	Pass
3	5370.166	58.20	4.05	74.0	15.80	Peak	0.00	150	Vertical	Pass
3**	5370.166	47.87	4.05	54.0	6.13	AV	0.00	150	Vertical	Pass

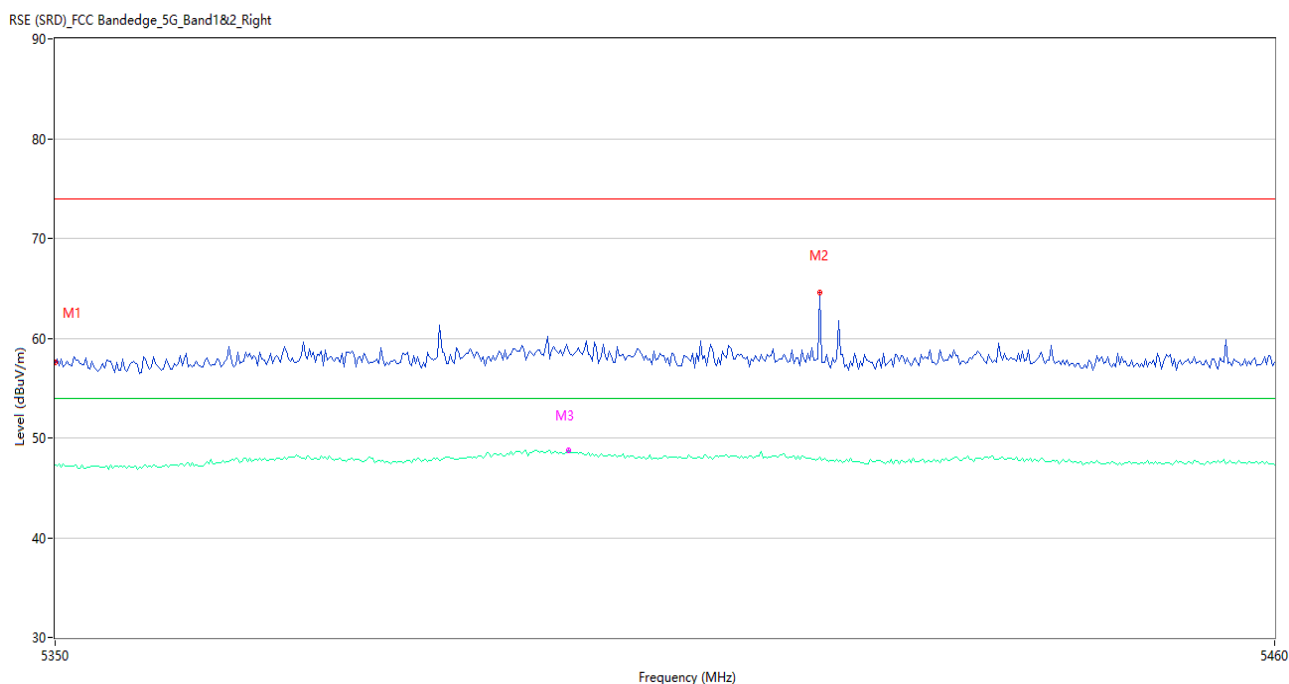
U-NII-2A 11a Low Channel

RSE (SRD)_FCC Bandedge_5G_Band1&2_Left



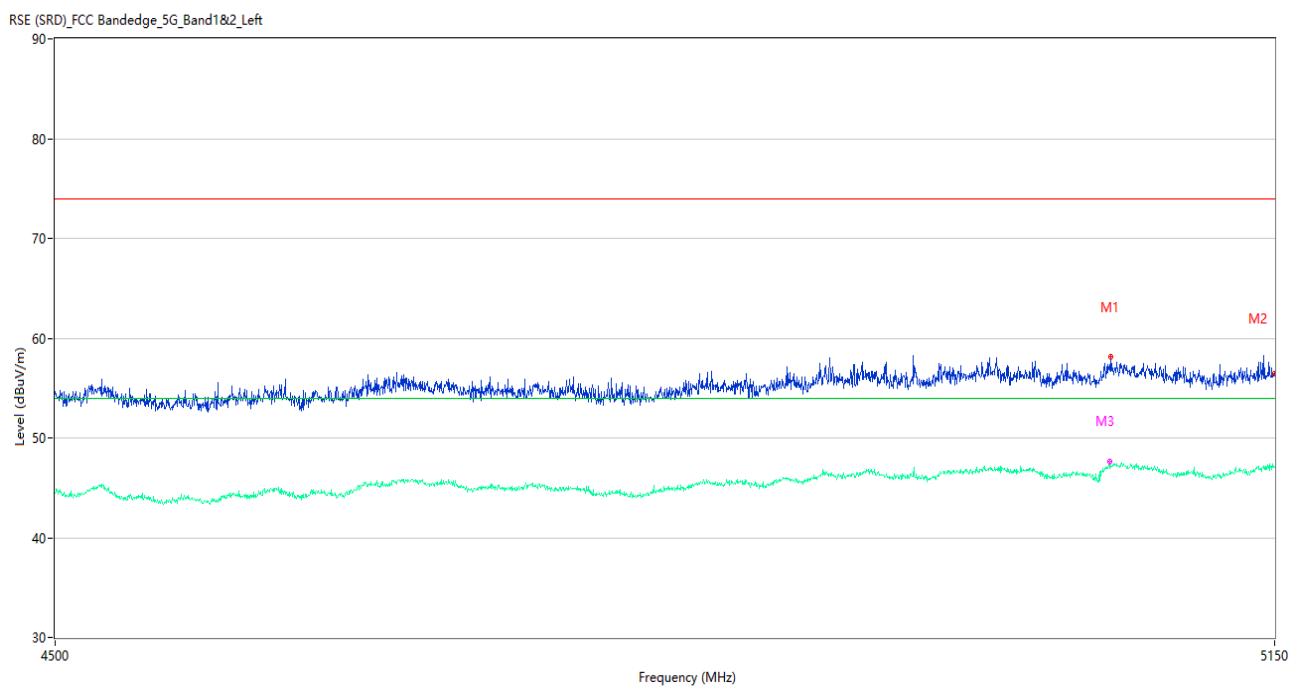
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5051.850	58.13	4.24	74.0	15.87	Peak	41.00	150	Vertical	Pass
1**	5051.850	46.68	4.24	54.0	7.32	AV	41.00	150	Vertical	Pass
2	5150.000	56.30	3.68	74.0	17.70	Peak	261.00	150	Vertical	Pass
2**	5150.000	46.92	3.68	54.0	7.08	AV	261.00	150	Vertical	Pass
3	5066.800	56.71	4.79	74.0	17.29	Peak	292.00	150	Vertical	Pass
3**	5066.800	47.72	4.79	54.0	6.28	AV	292.00	150	Vertical	Pass

U-NII-2A 11a High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	57.52	3.28	74.0	16.48	Peak	360.00	150	Vertical	Pass
1**	5350.000	47.25	3.28	54.0	6.75	AV	360.00	150	Vertical	Pass
2	5418.750	64.53	3.69	74.0	9.47	Peak	153.00	200	Vertical	Pass
2**	5418.750	48.08	3.69	54.0	5.92	AV	153.00	200	Vertical	Pass
3	5396.017	58.70	4.30	74.0	15.30	Peak	360.00	150	Vertical	Pass
3**	5396.017	48.76	4.30	54.0	5.24	AV	360.00	150	Vertical	Pass

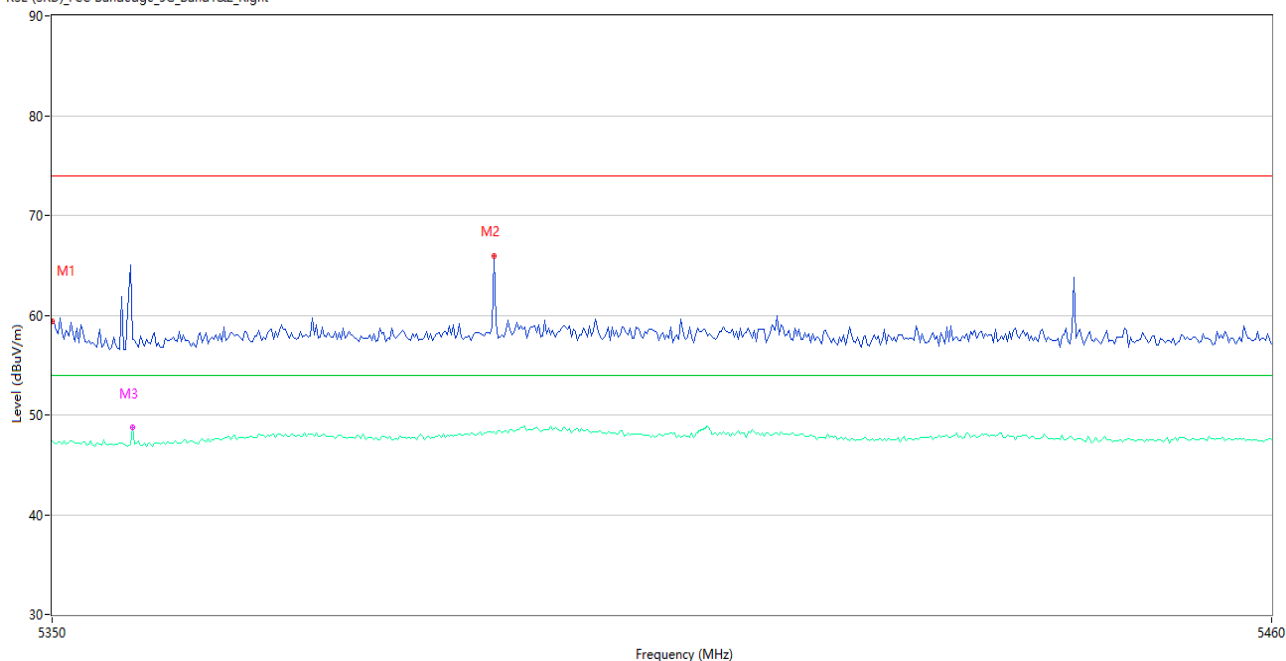
U-NII-2A 11n20 Low Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5057.700	58.19	4.57	74.0	15.81	Peak	345.00	150	Vertical	Pass
1**	5057.700	47.14	4.57	54.0	6.86	AV	345.00	150	Vertical	Pass
2	5150.000	56.40	3.68	74.0	17.60	Peak	353.00	150	Vertical	Pass
2**	5150.000	47.11	3.68	54.0	6.89	AV	353.00	150	Vertical	Pass
3	5056.725	57.33	4.46	74.0	16.67	Peak	283.00	150	Vertical	Pass
3**	5056.725	47.58	4.46	54.0	6.42	AV	283.00	150	Vertical	Pass

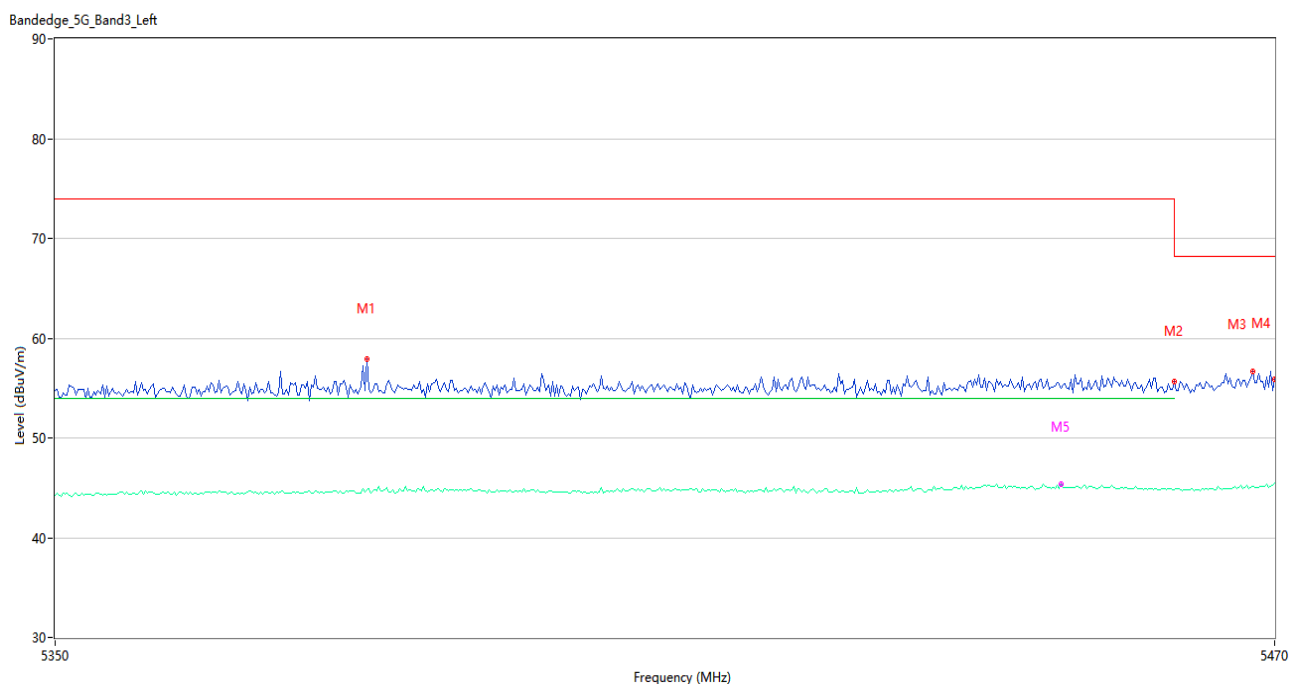
U-NII-2A 11n20 High Channel

RSE (SRD)_FCC Bandedge_5G_Band1&2_Right



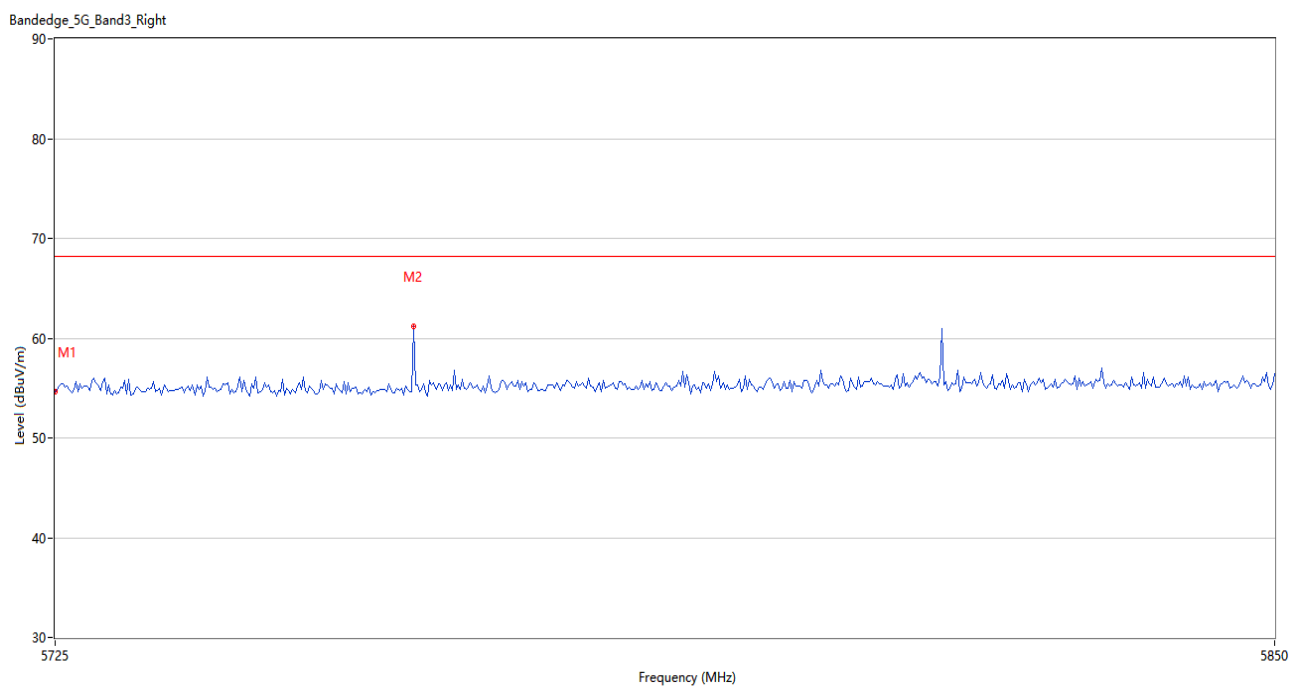
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	59.43	3.28	74.0	14.57	Peak	20.00	100	Vertical	Pass
1**	5350.000	47.39	3.28	54.0	6.61	AV	20.00	100	Vertical	Pass
2	5389.600	65.91	4.27	74.0	8.09	Peak	320.00	150	Vertical	Pass
2**	5389.600	48.26	4.27	54.0	5.74	AV	320.00	150	Vertical	Pass
3	5357.150	57.61	3.34	74.0	16.39	Peak	342.00	150	Vertical	Pass
3**	5357.150	48.72	3.34	54.0	5.28	AV	342.00	150	Vertical	Pass

U-NII-2C 11a Low Channel



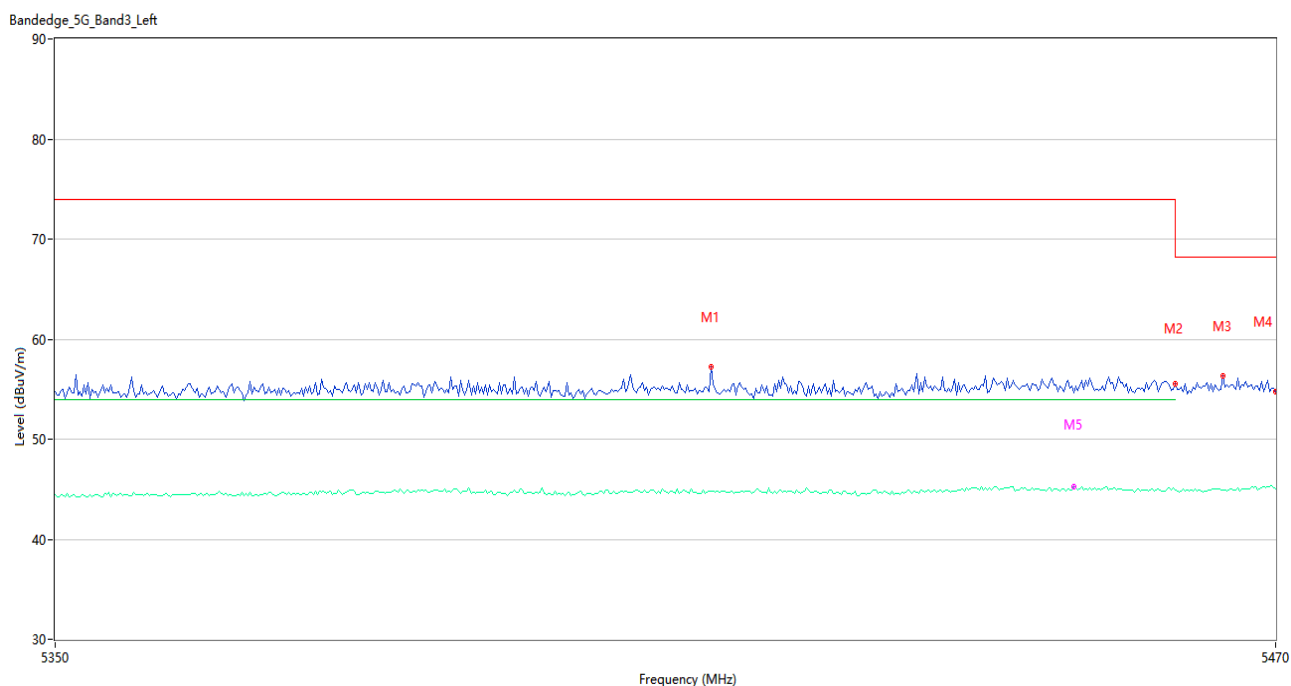
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5380.400	57.96	0.82	74.0	16.04	Peak	41.00	100	Vertical	Pass
1**	5380.400	44.84	0.82	54.0	9.16	AV	41.00	100	Vertical	Pass
2	5460.000	55.70	1.23	74.0	18.30	Peak	78.00	200	Vertical	Pass
2**	5460.000	44.78	1.23	54.0	9.22	AV	78.00	200	Vertical	Pass
3	5467.800	56.72	1.33	68.2	11.48	Peak	58.00	200	Vertical	Pass
3**	5467.800	45.11	1.33	--	--	AV	58.00	200	Vertical	N/A
4	5470.000	55.83	1.37	68.2	12.37	Peak	191.00	200	Vertical	Pass
4**	5470.000	45.46	1.37	--	--	AV	191.00	200	Vertical	N/A
5	5448.800	55.01	1.26	74.0	18.99	Peak	22.00	200	Vertical	Pass
5**	5448.800	45.39	1.26	54.0	8.61	AV	22.00	200	Vertical	Pass

U-NII-2C 11a High Channel



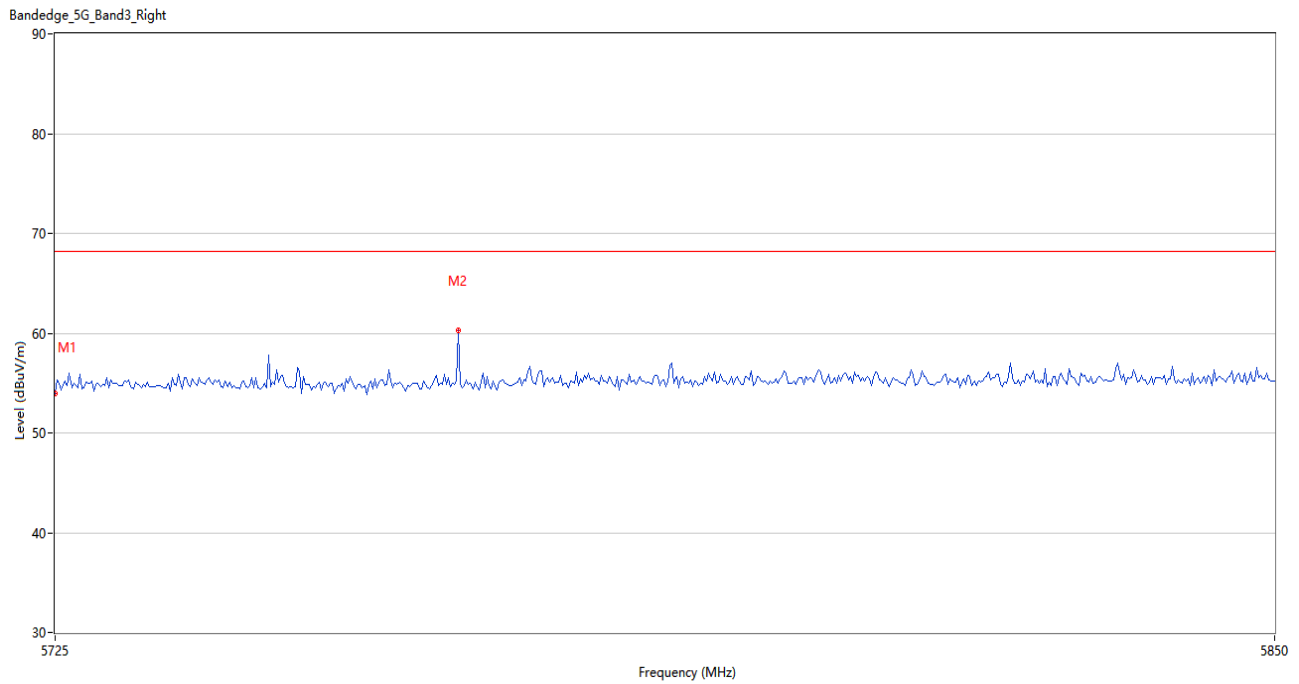
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	54.69	0.63	68.2	13.51	Peak	248.00	100	Vertical	Pass
2	5761.459	61.17	1.01	68.2	7.03	Peak	88.00	100	Vertical	Pass

U-NII-2C 11n20 Low Channel



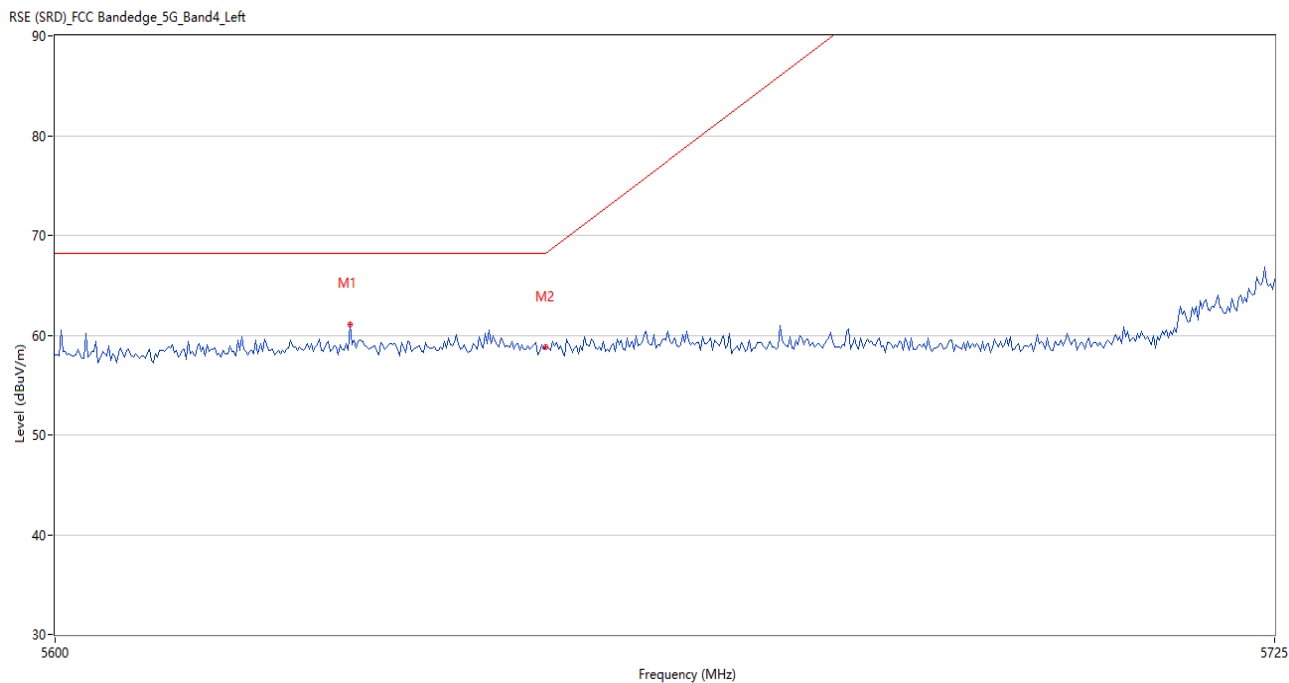
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5414.200	57.24	1.26	74.0	16.76	Peak	90.00	100	Vertical	Pass
1**	5414.200	44.79	1.26	54.0	9.21	AV	90.00	100	Vertical	Pass
2	5460.000	55.51	1.23	74.0	18.49	Peak	324.00	150	Vertical	Pass
2**	5460.000	44.89	1.23	54.0	9.11	AV	324.00	150	Vertical	Pass
3	5464.800	56.34	1.29	68.2	11.86	Peak	173.00	200	Vertical	Pass
3**	5464.800	44.87	1.29	--	--	AV	173.00	200	Vertical	N/A
4	5470.000	54.70	1.37	68.2	13.50	Peak	255.00	100	Vertical	Pass
4**	5470.000	44.99	1.37	--	--	AV	255.00	100	Vertical	N/A
5	5450.000	54.59	1.26	74.0	19.41	Peak	57.00	200	Vertical	Pass
5**	5450.000	45.30	1.26	54.0	8.70	AV	57.00	200	Vertical	Pass

U-NII-2C 11n20 High Channel



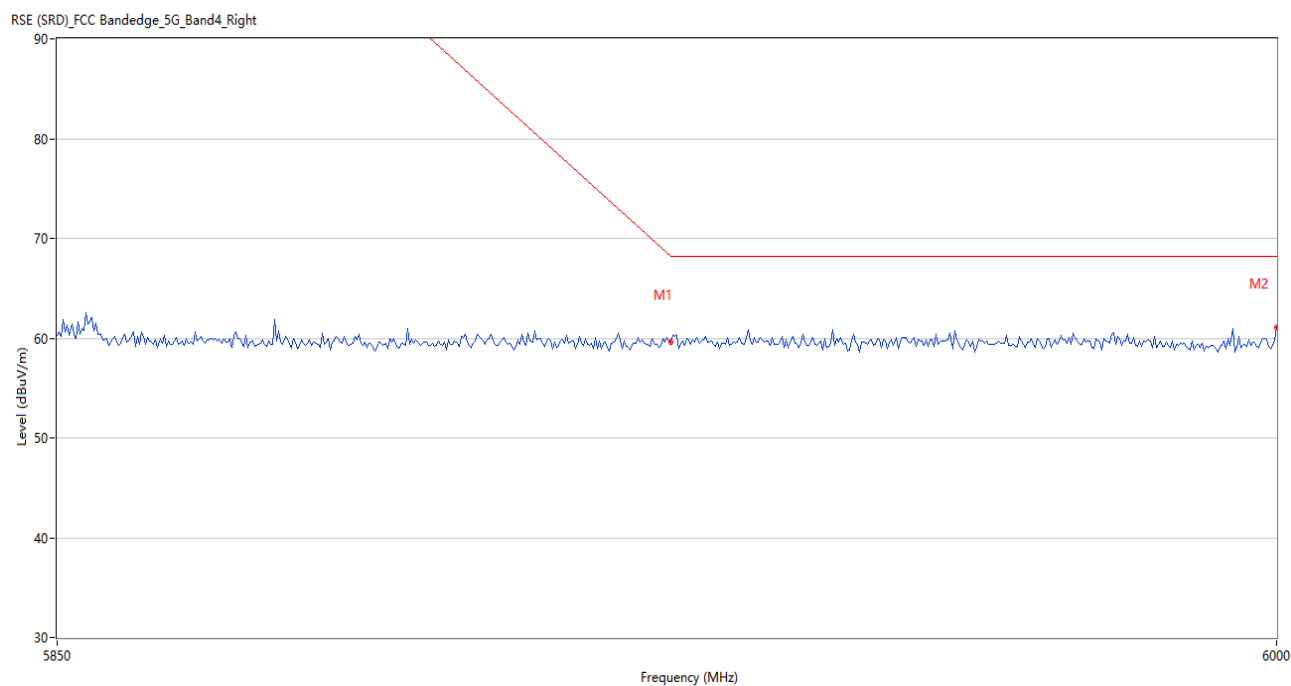
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	53.96	0.63	68.2	14.24	Peak	254.00	200	Vertical	Pass
2	5766.042	60.28	1.15	68.2	7.92	Peak	171.00	150	Vertical	Pass

U-NII-3 11a Low Channel



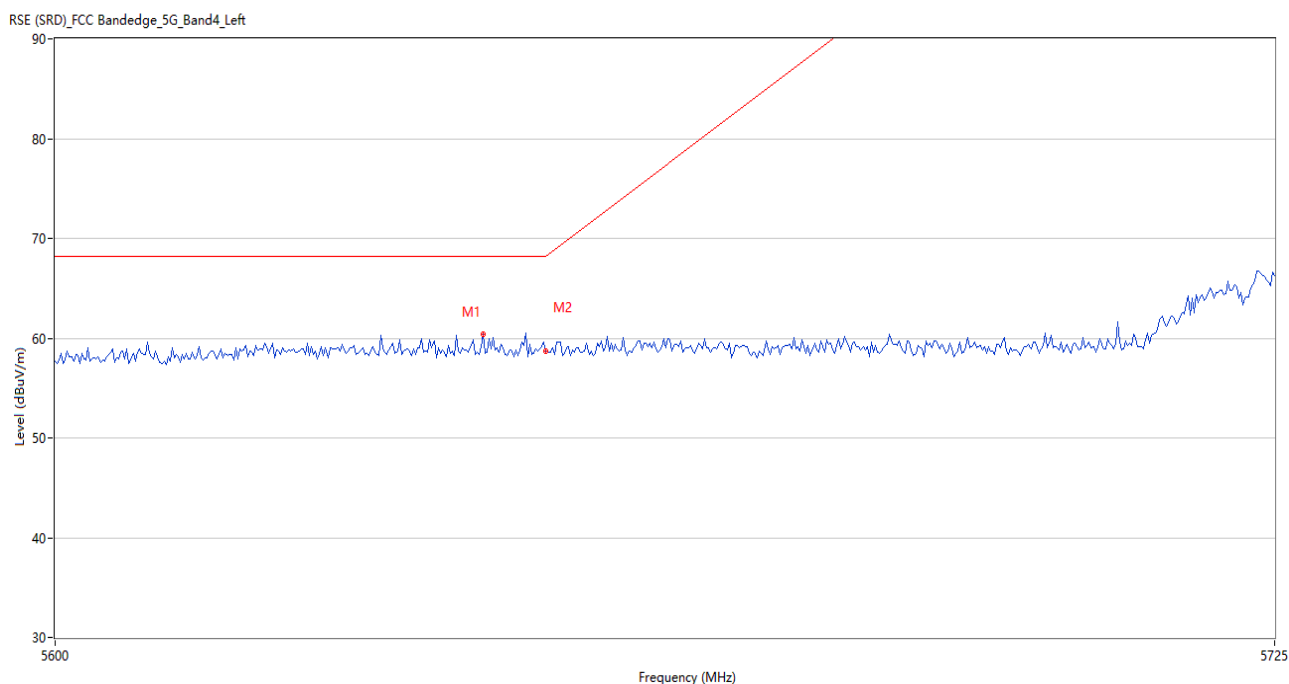
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5630.000	61.03	5.57	68.2	7.17	Peak	360.00	150	Vertical	Pass
2	5650.000	58.85	4.36	68.2	9.35	Peak	341.00	150	Vertical	Pass

U-NII-3 11a High Channel



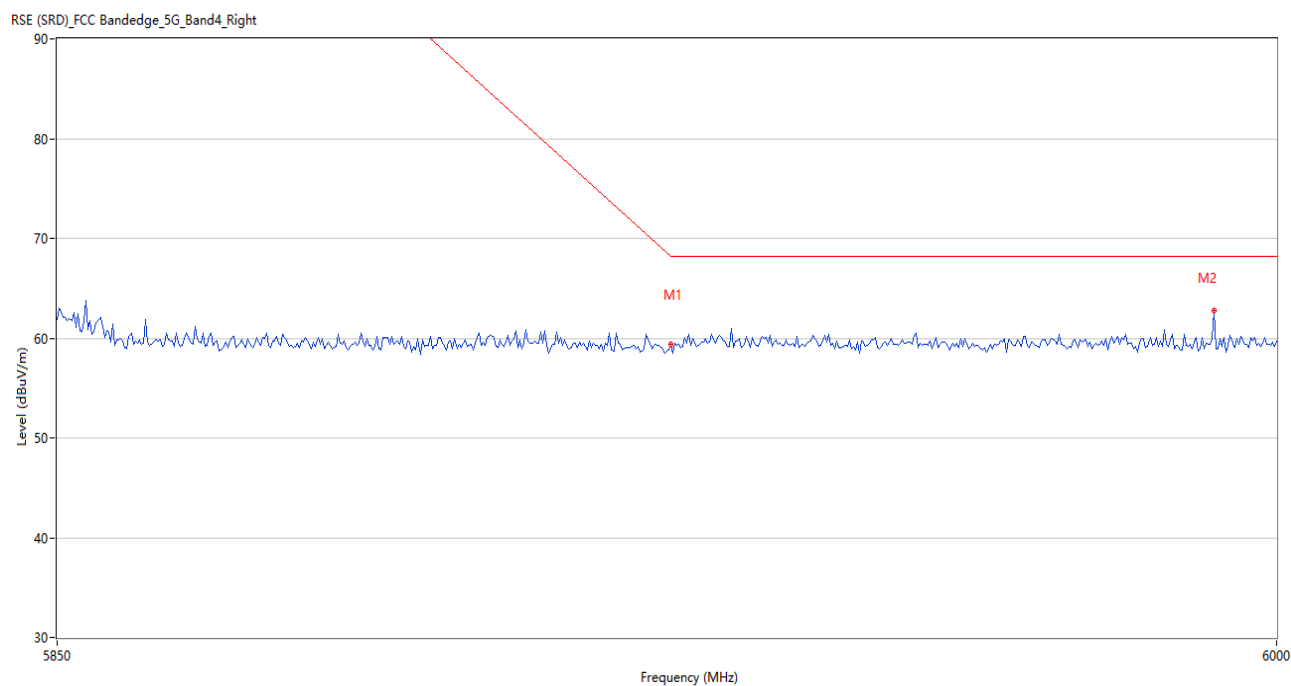
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	59.64	6.03	68.2	8.56	Peak	50.00	200	Vertical	Pass
2	6000.000	61.06	6.31	68.2	7.14	Peak	69.00	200	Vertical	Pass

U-NII-3 11n20 Low Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5643.542	60.38	4.56	68.2	7.82	Peak	11.00	150	Vertical	Pass
2	5650.000	58.69	4.36	68.2	9.51	Peak	145.00	200	Vertical	Pass

U-NII-3 11n20 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	59.40	6.03	68.2	8.80	Peak	310.00	200	Vertical	Pass
2	5992.250	62.79	6.01	68.2	5.41	Peak	158.00	150	Vertical	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2490711-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2490711-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2490711-AI.PDF”.

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--END OF REPORT--