TEST REPORT

Applicant:	Realme Chongqing Mobile Telecommunications Corp., Ltd.
Address:	No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China
Equipment Type:	Mobile Phone
Model Name:	RMX3943
Brand Name:	realme
FCC ID:	2AUYFRMX3943
Test Standard:	47 CFR Part 15 Subpart E (refer to section 3.1)
Sample Arrival Date:	Oct. 11, 2024
Test Date:	Oct. 12, 2024 - Nov. 08, 2024
Date of Issue:	Nov. 18, 2024

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Yu Yingyuan **Checked by:** Ye Hongji **Approved by:** Sunny Zou (Technical Director)

Revision History

Version	Issue Date	Revisions
Rev. 01	Nov. 18, 2024	Initial Issue

TABLE OF CONTENTS

1 GENERAL INFORMATION

1.1 Test Laboratory

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

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☑ Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	☐ 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Realme Chongqing Mobile Telecommunications Corp., Ltd.
Address	No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China

2.2 Manufacturer Information

Manufacturer	Realme Chongqing Mobile Telecommunications Corp., Ltd.
Address	No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China

2.3 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	RMX3943
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	11
Software Version	realme UI 6.0
Dimensions (Approx.)	about 165.70x76.22x7.94(mm)
Weight (Approx.)	about 190g
EUT ID	S08
IMEI Number	S08: IMEI1:860836070025511; IMEI2:860836070025503

2.4 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/1900 3G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network LTE FDD Band 2/4/5/7/12/13/17/26/66 LTE TDD Band 38/41 LTE CA Uplink (UL): CA_7C, CA_38C, CA_41C, CA_4A-7A 5G Network SA: NR n5/n7/n38/n41/n66 NSA(EN-DC): DC_66A_n5A, DC_7A_n5A, DC_2A_n7A, DC_4A_n7A, DC_5A_n7A, DC_66A_n7A, DC_4A_n38A, DC_5A_n38A, DC_66A_n38A, DC_4A_n41A, DC_26A_n41A, DC_66A_n41A, DC_2A_n66A, DC_5A_n66A, DC_7A_n66A, DC_12A_n66A Bluetooth (BR+EDR+BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n(HT20/40) and 802.11ac(VHT20/40/80/) GPS, GLONASS, BDS, Galileo, NFC

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

Frequency Range	U-NII-1: 5150 MHz to 5250 MHz, U-NII-2A: 5250 MHz to 5350 MHz, U-NII-2C: 5470 MHz to 5725 MHz, U-NII-3: 5725 MHz to 5850 MHz
Product Type	☐ Mobile ☒ Portable ☐ Fix Location
Modulation technology	OFDM
Modulation Type	256QAM, 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 802.11ac: up to VHT-MCS9
Channel Bandwidth	802.11a: 20 MHz 802.11n: 20 MHz, 40 MHz 802.11ac: 20 MHz, 40 MHz, 80 MHz
Maximum Output Power	U-NII-1: 56.56 mW U-NII-2A: 59.05 mW U-NII-2C: 56.91 mW U-NII-3: 52.58 mW
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A

Antenna Type	PIFA Antenna
Antenna Gain	U-NII-1: 5150 MHz to 5250 MHz: -1.60 dBi U-NII-2A: 5250 MHz to 5350 MHz: -1.60 dBi U-NII-2C: 5470 MHz to 5725 MHz: -0.10 dBi U-NII-3: 5725 MHz to 5850 MHz: 0.50 dBi
About the Product	The equipment is Mobile Phone, intended for used with information technology equipment.

2.5 Channel List

20 MHz		40 MHz		80 MHz	
Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)
36	**5180**	**38**	**5190**	**42**	**5210**
40	5200	**46**	**5230**	**58**	**5290**
44	**5220**	**54**	**5270**	**106**	**5530**
48	**5240**	**62**	**5310**	**122**	**5610**
52	**5260**	**102**	**5510**	**155**	**5775**
56	5280	110	5550		
60	**5300**	**118**	5590		
64	**5320**	126	5630		
100	**5500**	134	5670		
104	5520	**151**	**5755**		
108	5540	**159**	**5795**		
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)/ac(VHT20)

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

For 802.11n(HT40)/ac(VHT40)

U-NII-1 (5150 - 5250 MHz)			U-NII-2A (5250 - 5350 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
38	Low	5190	54	Low	5270
46	High	5230	62	High	5310

U-NII-2C (5470 - 5725 MHz)			U-NII-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
102	Low	5510	151	Low	5755
118	Mid	5590	159	High	5795
134	High	5670			

For 802.11ac(VHT80)

U-NII-1 (5150 - 5250 MHz)			U-NII-2A (5250 - 5350 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
42	Mid	5210	58	Mid	5290

U-NII-2C (5470 - 5725 MHz)			U-NII-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
106	Low	5530	155	Mid	5775
122	High	5610	--	--	--

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
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155
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
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155
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
	11n(40 MHz)	13.5		N/A	N/A	N/A	159/151
	11ac(20 MHz)	6.5		N/A	N/A	N/A	165/157/149
	11ac(40 MHz)	13.5		N/A	N/A	N/A	159/151
	11ac(80 MHz)	29.3		N/A	N/A	N/A	155
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
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155
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
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155
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
	11n(40 MHz)	13.5		46/38	62/54	134/102	159/151
	11ac(20 MHz)	6.5		48/36	64/52	140/100	165/149
	11ac(40 MHz)	13.5		46/38	62/54	134/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155

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	KDB Publication 789033 D02v02r01	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
3	ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices

3.2 Test Verdict

No.	Description	FCC Part No.	Test Result	Verdict
1	Antenna Requirement	15.203	--	Pass[Note1]
2	RF Output Power	15.407(a)	ANNEX A.1	Pass
3	Emission Bandwidth & 99% Occupied Bandwidth	15.407(a)	ANNEX A.2	Pass
4	6 dB bandwidth	15.407(e)	ANNEX A.3	Pass
5	Power Spectral Density	15.407(a)	ANNEX A.4	Pass
6	Conducted Emission	15.207	ANNEX A.5	Pass
7	Radiated Spurious Emissions and Band Edge (Restricted-band)	15.407(b)	ANNEX A.6	Pass

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

Note [2]: 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	52% to 59%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+22.8℃ to +23.9℃
Working Voltage of the EUT	NV (Normal Voltage)	3.86 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	KEYSIGHT	N9020A	MY50330200	2024.05.08	2025.05.07
Spectrum Analyzer	KEYSIGHT	N9020A	MY50531259	2024.08.01	2025.07.31
Spectrum Analyzer	KEYSIGHT	N9010B	MY60240977	2024.02.22	2025.02.21
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	2460	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	2026.07.27
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-Loop	SCHWARZBECK	FMZB 1519	1519-037	2024.04.15	2027.04.14
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	KEYSIGHT	N9038A	MY53220118	2024.08.01	2025.07.31
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9163	9163-624	2024.07.06	2026.07.05
Amplifier	COM-MV	ZT30-1000M	B2017119082	2023.12.05	2024.12.04
Anechoic Chamber	RAINFORD	9m*6m*6m	101	2023.03.04	2026.03.03
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2024.08.01	2025.07.31
LISN	SCHWARZBECK	NSLK 8127	8127-687	2024.05.08	2025.05.07
Shielded Enclosure	YiHeng Electronic Co., Ltd	3.5m*3.1m*2.8m	112	2022.02.19	2025.02.18

4.3 Test Software List

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

4.4 Measurement Uncertainty

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

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

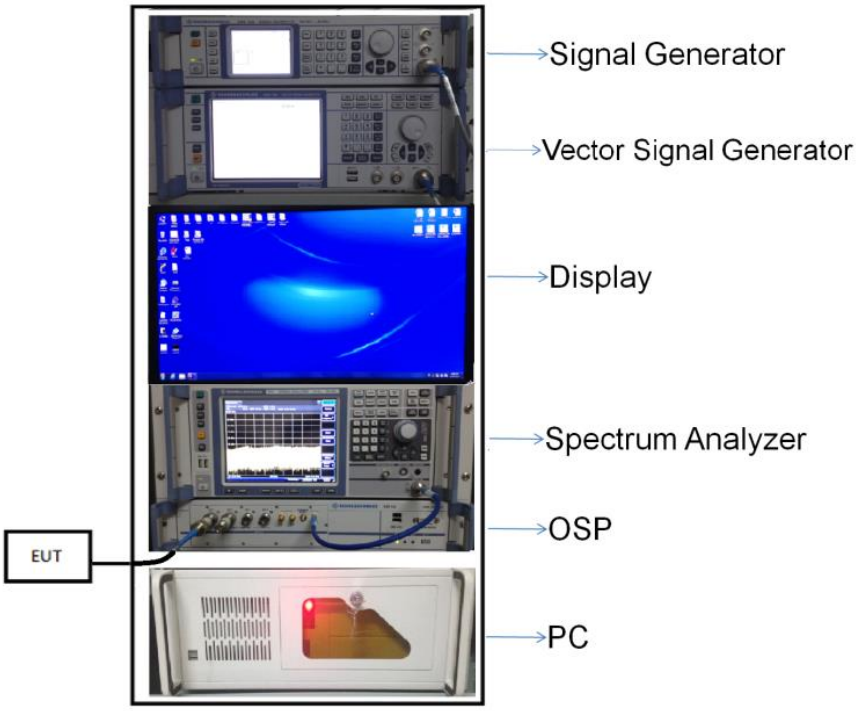
Parameters	Uncertainty
Occupied Channel Bandwidth	2.8%
RF output power, conducted	1.28 dB
Power Spectral Density, conducted	1.30 dB
Unwanted Emissions, conducted	1.84 dB
All emissions, radiated	5.36 dB
Temperature	0.8°C
Humidity	4%

4.5 Description of Test Setup

4.5.1 For Antenna Port Test

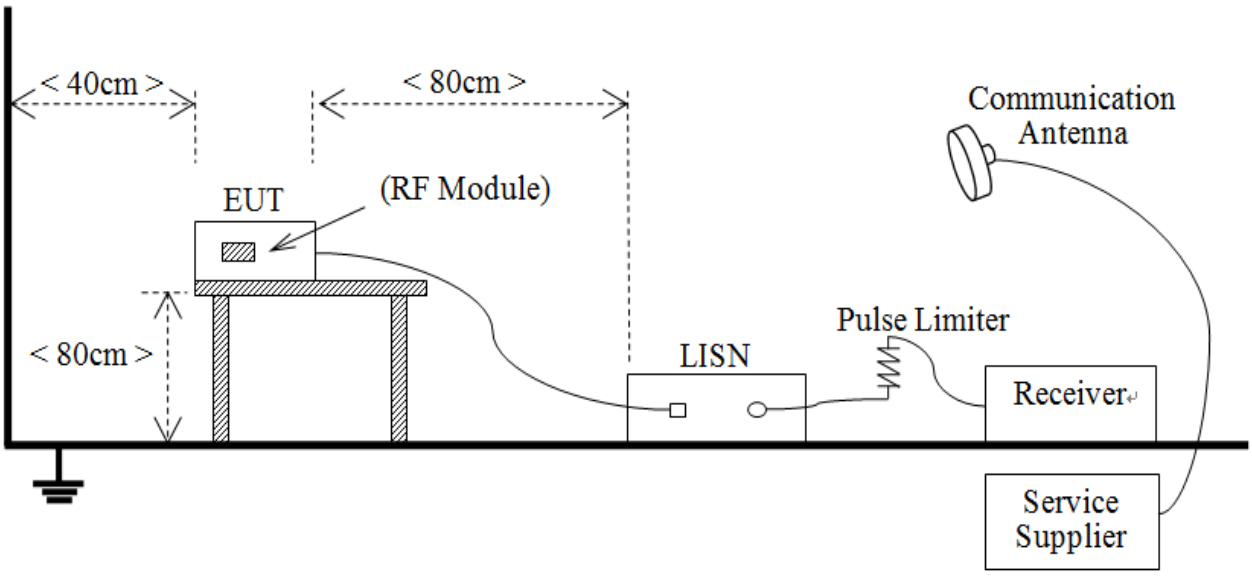
Conducted value (dBm) = Measurement value (dBm) + cable loss (dB)

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



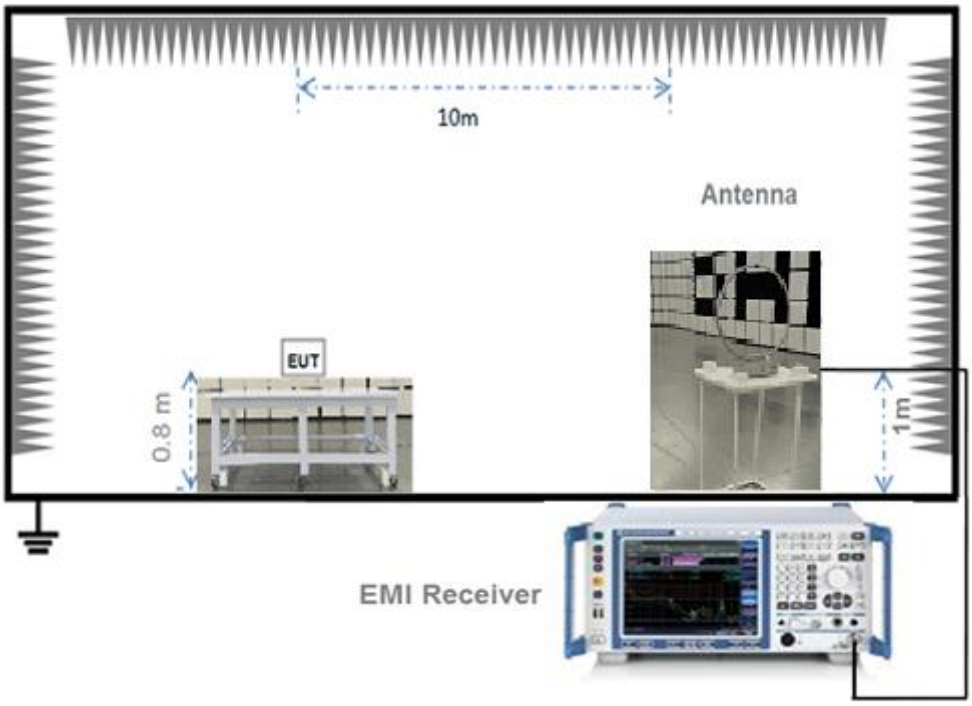
(Diagram 1)

4.5.2 For AC Power Supply Port Test



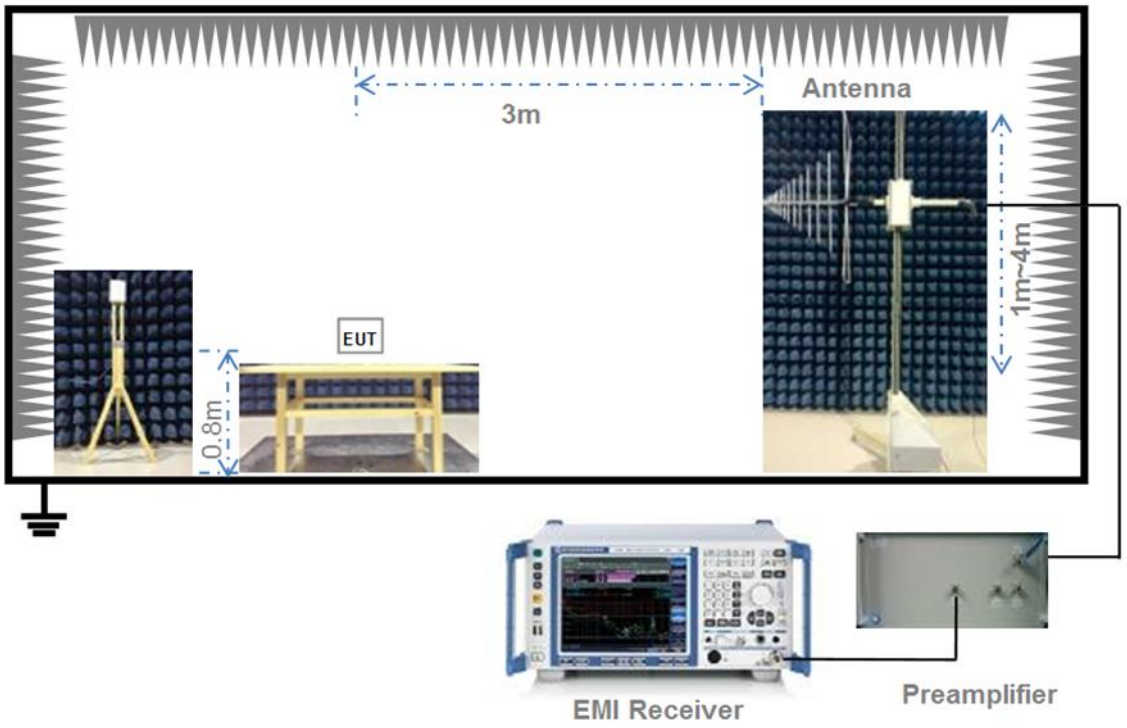
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



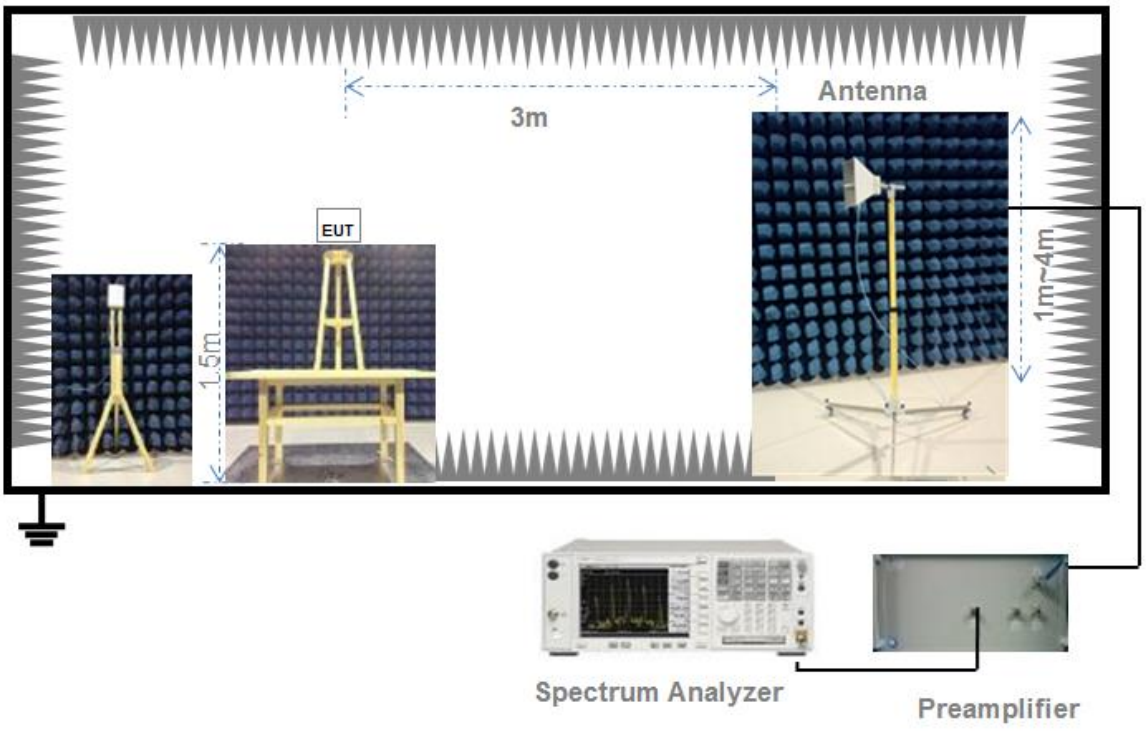
(Diagram 3)

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.	

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 ≥ OBW if possible; otherwise, set RBW to the largest available value.

Set VBW ≥ 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 ≤ 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)

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

5.2.2 Test Setup

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

5.2.3 Test Procedure

Emission bandwidth

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

2. Set VBW ≥ 3*RBW,

3. Detector = Peak.

4. Trace mode = Max hold.

5. Measure the maximum width of the emission that is 26 dB down from the peak of the emission.

Occupied Bandwidth

1. Set Span = 1.5 times to 5.0 times the OBW

2. Set RBW = 1% to 5% of the OBW.

3. Set VBW ≥ 3*RBW, Detector = Peak.

4. Trace mode = Max hold.

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

6 dB bandwidth

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

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

3. Allow the trace to stabilize.

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

5.2.4 Test Result

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

5.3 Power Spectral density (PSD)

5.3.1 Limit

FCC §15.407(a)

The maximum power spectral density should not exceed:

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

5.3.2 Test Setup

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

5.3.3 Test Procedure

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

5.3.4 Test Result

Please refer to ANNEX A.4.

5.4 Conducted Emission

5.4.1 Limit

FCC §15.207

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

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

5.4.2 Test Setup

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

5.4.3 Test Procedure

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

5.4.4 Test Result

Please refer to ANNEX A.5.

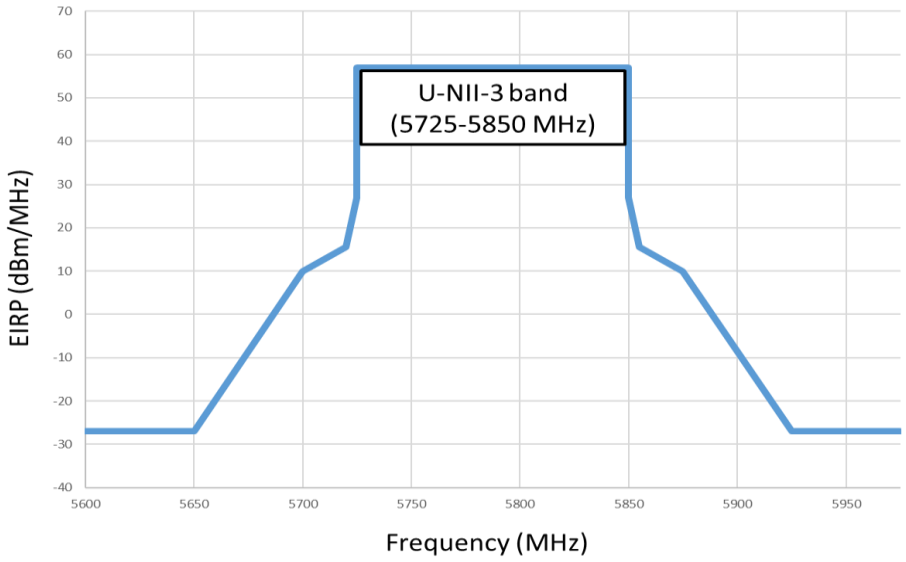
5.5 Radiated Spurious Emissions and Band Edge (Restricted-band)

5.5.1 Limit

FCC §15.209 & 15.407(b)

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

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

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

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

5.5.2 Test Setup

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

5.5.3 Test Procedure

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

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

General Procedure for conducted measurements in restricted bands

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

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

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

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

E = EIRP – 20log D + 104.8

where:

E = electric field strength in dBμV/m,

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

e) Compare the resultant electric field strength level to the applicable limit.

f) Perform radiated spurious emission test.

Quasi-Peak measurement procedure

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

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

emission limits using a peak detector.

Peak power measurement procedure

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

a) RBW = as specified in Table 1.

b) VBW ≥ 3 x RBW.

c) Detector = Peak.

d) Sweep time = auto.

e) Trace mode = max hold.

f) Allow sweeps to continue until the trace stabilizes. (Note that the required measurement time may be longer for low duty cycle applications).

Table 1—RBW as a function of frequency

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

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

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

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

a) The EUT shall be configured to operate at the maximum achievable duty cycle.

b) Measure the duty cycle, x, of the transmitter output signal as described in section 6.0.

c) RBW = 1 MHz (unless otherwise specified).

d) VBW ≥ 3 x RBW.

e) Detector = RMS, if span/(# of points in sweep) ≤ (RBW/2). Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak.

f) Averaging type = power (i.e., RMS).

1) As an alternative, the detector and averaging type may be set for linear voltage averaging.

2) Some instruments require linear display mode in order to use linear voltage averaging. Log or dB averaging shall not be used.

g) Sweep time = auto.

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

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

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

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

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

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

Determining the applicable transmit antenna gain

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

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

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

Radiated spurious emission test

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

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

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

The power of the EUT transmitting frequency should be ignored.

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

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured
RBW = 1 MHz for f ≥ 1 GHz, 100 kHz for f < 1 GHz
VBW ≥ RBW
Sweep = auto
Detector function = peak
Trace = max hold

5.5.4 Test Result

Please refer to ANNEX A.6.

ANNEX A TEST RESULT

A.1 RF Output Power

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

Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle
11a	1.39	1.43	97.55%
11n (HT20)	1.30	1.34	97.38%
11n (HT40)	0.64	0.68	93.71%
1ac (VHT20)	1.31	1.35	97.40%
11ac (VHT40)	0.65	0.69	94.58%
11ac (VHT80)	0.32	0.39	83.77%

Test Data

Conducted Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	16.20	41.67	250	Pass
11a	CH44	16.78	47.62	250	Pass
11a	CH48	16.79	47.73	250	Pass
11n (HT20)	CH36	16.09	40.60	250	Pass
11n (HT20)	CH44	17.24	52.91	250	Pass
11n (HT20)	CH48	17.53	56.56	250	Pass
11n (HT40)	CH38	13.70	23.45	250	Pass
11n (HT40)	CH46	17.41	55.11	250	Pass
11ac (VHT20)	CH36	16.05	40.31	250	Pass
11ac (VHT20)	CH44	15.76	37.71	250	Pass
11ac (VHT20)	CH48	17.30	53.76	250	Pass
11ac (VHT40)	CH38	14.29	26.87	250	Pass
11ac (VHT40)	CH46	15.87	38.66	250	Pass
11ac (VHT80)	CH42	12.97	19.81	250	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH52	17.30	53.68	250	Pass
11a	CH60	17.54	56.73	250	Pass
11a	CH64	15.07	32.12	250	Pass
11n (HT20)	CH52	16.79	47.70	250	Pass
11n (HT20)	CH60	17.41	55.02	250	Pass
11n (HT20)	CH64	14.92	31.01	250	Pass
11n (HT40)	CH54	17.71	59.05	250	Pass
11n (HT40)	CH62	14.60	28.86	250	Pass
11ac (VHT20)	CH52	16.89	48.92	250	Pass
11ac (VHT20)	CH60	17.17	52.17	250	Pass
11ac (VHT20)	CH64	14.89	30.86	250	Pass
11ac (VHT40)	CH54	17.51	26.87	250	Pass
11ac (VHT40)	CH62	13.01	38.66	250	Pass
11ac (VHT80)	CH58	12.23	16.71	250	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH100	15.41	34.74	250	Pass
11a	CH116	17.40	54.93	250	Pass
11a	CH140	12.41	17.41	250	Pass
11n (HT20)	CH100	14.28	26.76	250	Pass
11n (HT20)	CH116	17.27	53.28	250	Pass
11n (HT20)	CH140	12.28	16.89	250	Pass
11n (HT40)	CH102	12.83	19.20	250	Pass
11n (HT40)	CH118	17.50	56.26	250	Pass
11n (HT40)	CH134	14.97	31.42	250	Pass
11ac (VHT20)	CH100	14.35	27.25	250	Pass
11ac (VHT20)	CH116	16.91	49.14	250	Pass
11ac (VHT20)	CH140	12.76	18.90	250	Pass
11ac (VHT40)	CH102	12.84	19.24	250	Pass
11ac (VHT40)	CH118	17.55	56.91	250	Pass
11ac (VHT40)	CH134	14.43	27.75	250	Pass
11ac (VHT80)	CH106	11.88	15.41	250	Pass
11ac (VHT80)	CH122	13.60	22.90	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	17.21	52.58	1000	Pass
11a	CH157	17.16	51.97	1000	Pass
11a	CH165	17.12	51.50	1000	Pass
11n (HT20)	CH149	17.06	50.76	1000	Pass
11n (HT20)	CH157	17.00	50.07	1000	Pass
11n (HT20)	CH165	16.97	49.72	1000	Pass
11n (HT40)	CH151	17.14	51.79	1000	Pass
11n (HT40)	CH159	17.08	51.08	1000	Pass
11ac (VHT20)	CH149	17.09	51.22	1000	Pass
11ac (VHT20)	CH157	16.97	49.82	1000	Pass
11ac (VHT20)	CH165	16.96	49.71	1000	Pass
11ac (VHT40)	CH151	17.07	50.96	1000	Pass
11ac (VHT40)	CH159	17.03	50.49	1000	Pass
11ac (VHT80)	CH155	16.73	47.09	1000	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ2491182-604 Data Part 1.pdf”.

Test Data

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	27.49	16.70
11a	CH44	31.73	16.80
11a	CH48	31.05	16.82
11n (HT20)	CH36	27.59	17.79
11n (HT20)	CH44	29.28	17.86
11n (HT20)	CH48	27.50	17.86
11n (HT40)	CH38	63.90	36.45
11n (HT40)	CH46	69.62	36.57
11ac (VHT20)	CH36	27.36	17.78
11ac (VHT20)	CH44	28.23	17.84
11ac (VHT20)	CH48	28.61	17.85
11ac (VHT40)	CH38	62.99	36.33
11ac (VHT40)	CH46	65.96	36.33
11ac (VHT80)	CH42	143.30	76.06

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	27.53	16.68
11a	CH60	27.74	16.73
11a	CH64	26.90	16.69
11n (HT20)	CH52	25.40	17.74
11n (HT20)	CH60	26.93	17.79
11n (HT20)	CH64	27.25	17.78
11n (HT40)	CH54	55.23	36.31
11n (HT40)	CH62	61.78	36.34
11ac (VHT20)	CH52	26.30	17.69
11ac (VHT20)	CH60	27.57	17.75
11ac (VHT20)	CH64	24.67	17.71
11ac (VHT40)	CH54	53.62	36.25
11ac (VHT40)	CH62	54.19	36.23
11ac (VHT80)	CH58	136.40	75.99

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	25.15	16.70
11a	CH116	26.37	16.68
11a	CH140	30.51	16.77
11n (HT20)	CH100	26.87	17.75
11n (HT20)	CH116	25.20	17.75
11n (HT20)	CH140	26.86	17.79
11n (HT40)	CH102	54.47	36.33
11n (HT40)	CH118	61.86	36.41
11n (HT40)	CH134	68.65	36.43
11ac (VHT20)	CH100	27.02	17.70
11ac (VHT20)	CH116	25.95	17.73
11ac (VHT20)	CH140	27.98	17.80
11ac (VHT40)	CH102	56.94	36.27
11ac (VHT40)	CH118	66.39	36.29
11ac (VHT40)	CH134	52.60	36.23
11ac (VHT80)	CH106	148.20	76.12
11ac (VHT80)	CH122	142.80	76.18

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	23.92	16.67
11a	CH157	29.49	16.72
11a	CH165	30.33	16.70
11n (HT20)	CH149	27.21	17.77
11n (HT20)	CH157	27.42	17.80
11n (HT20)	CH165	28.11	17.79
11n (HT40)	CH151	58.45	36.36
11n (HT40)	CH159	61.15	36.38
11ac (VHT20)	CH149	26.45	17.79
11ac (VHT20)	CH157	26.79	17.77
11ac (VHT20)	CH165	26.59	17.78
11ac (VHT40)	CH151	50.13	36.19
11ac (VHT40)	CH159	56.82	36.27
11ac (VHT80)	CH155	151.00	76.33

A.3 6 dB Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ2491182-604 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	15.40	500.00	Pass
11a	CH165	15.30	500.00	Pass
11n (HT20)	CH149	15.40	500.00	Pass
11n (HT20)	CH157	15.40	500.00	Pass
11n (HT20)	CH165	15.30	500.00	Pass
11n (HT40)	CH151	35.30	500.00	Pass
11n (HT40)	CH159	35.30	500.00	Pass
11ac (VHT20)	CH149	15.30	500.00	Pass
11ac (VHT20)	CH157	14.00	500.00	Pass
11ac (VHT20)	CH165	15.30	500.00	Pass
11ac (VHT40)	CH151	35.20	500.00	Pass
11ac (VHT40)	CH159	35.40	500.00	Pass
11ac (VHT80)	CH155	75.30	500.00	Pass

A.4 Power Spectral Density

Note [1]: Test plots please refer to the document “Annex No.: BL-SZ2491182-604 Data Part 3.pdf”.

Test Data

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH36	5.54	11.00	Pass
11a	CH44	6.15	11.00	Pass
11a	CH48	6.32	11.00	Pass
11n (HT20)	CH36	5.30	11.00	Pass
11n (HT20)	CH44	6.37	11.00	Pass
11n (HT20)	CH48	6.44	11.00	Pass
11n (HT40)	CH38	-0.11	11.00	Pass
11n (HT40)	CH46	3.75	11.00	Pass
11ac (VHT20)	CH36	5.21	11.00	Pass
11ac (VHT20)	CH44	4.84	11.00	Pass
11ac (VHT20)	CH48	6.44	11.00	Pass
11ac (VHT40)	CH38	0.32	11.00	Pass
11ac (VHT40)	CH46	1.90	11.00	Pass
11ac (VHT80)	CH42	-4.50	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH52	6.54	11.00	Pass
11a	CH60	6.27	11.00	Pass
11a	CH64	4.45	11.00	Pass
11n (HT20)	CH52	5.73	11.00	Pass
11n (HT20)	CH60	5.97	11.00	Pass
11n (HT20)	CH64	4.24	11.00	Pass
11n (HT40)	CH54	2.95	11.00	Pass
11n (HT40)	CH62	0.70	11.00	Pass
11ac (VHT20)	CH52	5.72	11.00	Pass
11ac (VHT20)	CH60	5.91	11.00	Pass
11ac (VHT20)	CH64	4.23	11.00	Pass
11ac (VHT40)	CH54	2.99	11.00	Pass
11ac (VHT40)	CH62	-0.73	11.00	Pass
11ac (VHT80)	CH58	-5.30	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH100	4.67	11.00	Pass
11a	CH116	5.65	11.00	Pass
11a	CH140	1.74	11.00	Pass
11n (HT20)	CH100	3.40	11.00	Pass
11n (HT20)	CH116	5.27	11.00	Pass
11n (HT20)	CH140	1.36	11.00	Pass
11n (HT40)	CH102	-1.09	11.00	Pass
11n (HT40)	CH118	3.70	11.00	Pass
11n (HT40)	CH134	1.02	11.00	Pass
11ac (VHT20)	CH100	3.46	11.00	Pass
11ac (VHT20)	CH116	6.18	11.00	Pass
11ac (VHT20)	CH140	1.87	11.00	Pass
11ac (VHT40)	CH102	-1.02	11.00	Pass
11ac (VHT40)	CH118	3.72	11.00	Pass
11ac (VHT40)	CH134	0.56	11.00	Pass
11ac (VHT80)	CH106	-5.61	11.00	Pass
11ac (VHT80)	CH122	-3.85	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	3.61	30.00	Pass
11a	CH157	3.89	30.00	Pass
11a	CH165	3.84	30.00	Pass
11n (HT20)	CH149	3.82	30.00	Pass
11n (HT20)	CH157	3.60	30.00	Pass
11n (HT20)	CH165	3.49	30.00	Pass
11n (HT40)	CH151	0.71	30.00	Pass
11n (HT40)	CH159	0.53	30.00	Pass
11ac (VHT20)	CH149	3.69	30.00	Pass
11ac (VHT20)	CH157	3.60	30.00	Pass
11ac (VHT20)	CH165	3.42	30.00	Pass
11ac (VHT40)	CH151	0.11	30.00	Pass
11ac (VHT40)	CH159	0.46	30.00	Pass
11ac (VHT80)	CH155	-3.53	30.00	Pass

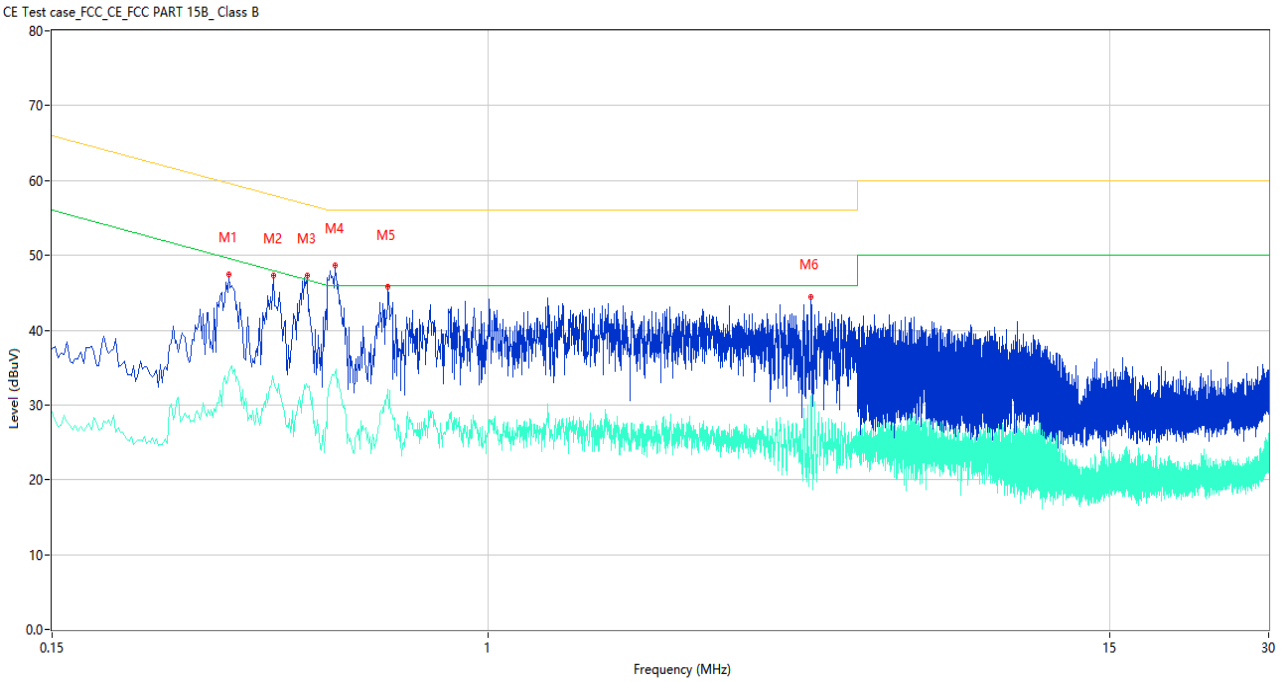
A.5 Conducted Emissions

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

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

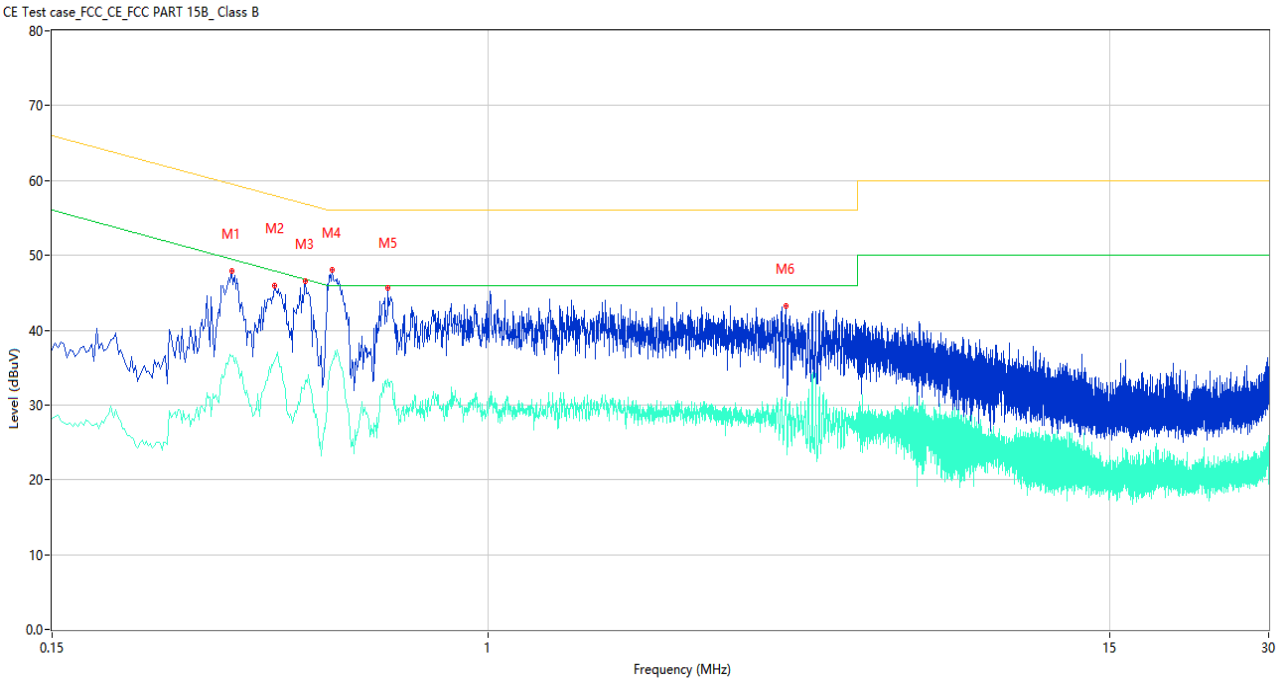
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.324	47.47	10.04	59.60	12.13	Peak	L	Pass
1**	0.324	34.34	10.04	49.60	15.26	AV	L	Pass
2	0.394	47.33	10.60	57.98	10.65	Peak	L	Pass
2**	0.394	33.26	10.60	47.98	14.72	AV	L	Pass
3	0.456	47.26	10.58	56.77	9.51	Peak	L	Pass
3**	0.456	32.38	10.58	46.77	14.39	AV	L	Pass
4	0.514	48.59	10.41	56.00	7.41	Peak	L	Pass
4**	0.514	34.32	10.41	46.00	11.68	AV	L	Pass
5	0.648	45.74	10.36	56.00	10.26	Peak	L	Pass
5**	0.648	32.08	10.36	46.00	13.92	AV	L	Pass
6	4.090	44.43	10.89	56.00	11.57	Peak	L	Pass
6**	4.090	31.25	10.89	46.00	14.75	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.328	47.91	10.03	59.50	11.59	Peak	N	Pass
1**	0.328	36.40	10.03	49.50	13.10	AV	N	Pass
2	0.396	45.95	10.63	57.94	11.99	Peak	N	Pass
2**	0.396	35.78	10.63	47.94	12.16	AV	N	Pass
3	0.452	46.54	10.60	56.84	10.30	Peak	N	Pass
3**	0.452	33.27	10.60	46.84	13.57	AV	N	Pass
4	0.508	48.01	10.39	56.00	7.99	Peak	N	Pass
4**	0.508	35.73	10.39	46.00	10.27	AV	N	Pass
5	0.648	45.61	10.36	56.00	10.39	Peak	N	Pass
5**	0.648	33.41	10.36	46.00	12.59	AV	N	Pass
6	3.662	43.18	10.35	56.00	12.82	Peak	N	Pass
6**	3.662	30.84	10.35	46.00	15.16	AV	N	Pass

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

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

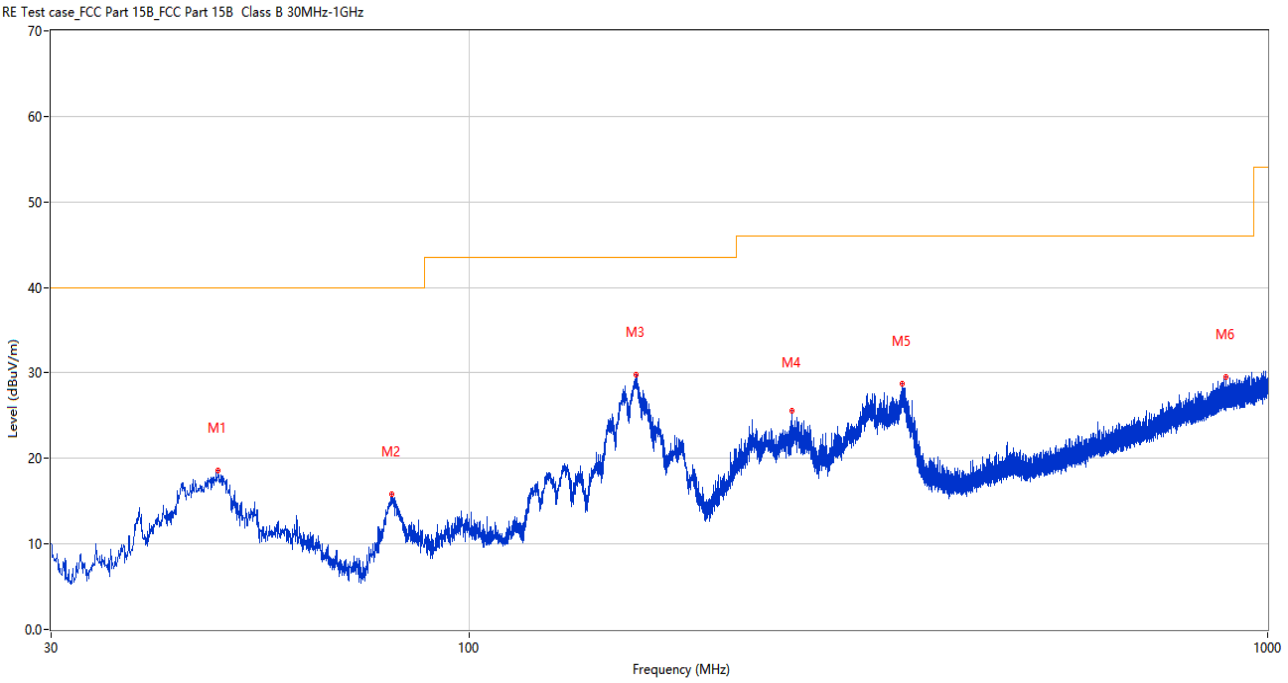
Note [2]: For the test data above 1 GHz，According the ANSI C63.4, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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

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

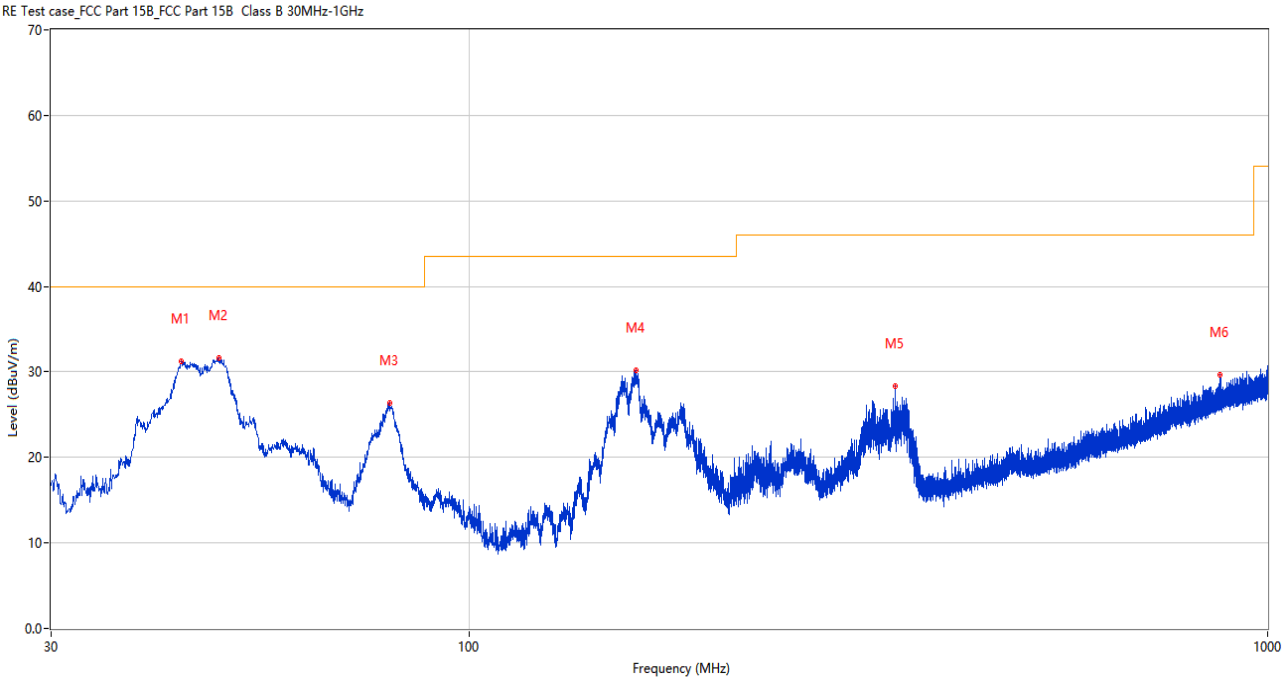
Test Data and Plots

30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	48.575	18.56	-25.50	40.0	21.44	Peak	331.00	100	Horizontal	Pass
2	80.149	15.83	-30.77	40.0	24.17	Peak	297.00	200	Horizontal	Pass
3	162.114	29.76	-29.36	43.5	13.74	Peak	124.00	200	Horizontal	Pass
4	254.022	25.56	-24.90	46.0	20.44	Peak	221.00	100	Horizontal	Pass
5	348.257	28.71	-21.95	46.0	17.29	Peak	210.00	100	Horizontal	Pass
6	887.674	29.55	-10.04	46.0	16.45	Peak	276.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	43.629	31.27	-25.18	40.0	8.73	Peak	119.00	100	Vertical	Pass
2	48.672	31.62	-25.60	40.0	8.38	Peak	119.00	100	Vertical	Pass
3	79.519	26.32	-30.98	40.0	13.68	Peak	87.00	100	Vertical	Pass
4	161.823	30.23	-29.33	43.5	13.27	Peak	4.00	100	Vertical	Pass
5	342.146	28.32	-22.16	46.0	17.68	Peak	360.00	100	Vertical	Pass
6	872.300	29.70	-10.38	46.0	16.30	Peak	23.00	100	Vertical	Pass

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

11a, U-NII-1, 1 GHz to 18 GHz, 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	1207.900	35.95	-18.51	74.0	38.05	Peak	133.00	200	Horizontal	Pass
1**	1207.900	26.46	-18.51	54.0	27.54	AV	133.00	200	Horizontal	Pass
2	2876.200	41.28	-11.82	74.0	32.72	Peak	346.00	400	Horizontal	Pass
2**	2876.200	31.83	-11.82	54.0	22.17	AV	346.00	400	Horizontal	Pass
3	4217.250	46.37	-6.35	74.0	27.63	Peak	210.00	150	Horizontal	Pass
3**	4217.250	36.81	-6.35	54.0	17.19	AV	210.00	150	Horizontal	Pass
4	5218.250	107.11	-4.36	--	--	Peak	289.00	300	Horizontal	N/A
4**	5218.250	100.22	-4.36	--	--	AV	289.00	300	Horizontal	N/A
5	8352.213	51.72	-5.05	74.0	22.28	Peak	299.00	150	Horizontal	Pass
5**	8352.213	49.92	-5.05	54.0	4.08	AV	299.00	150	Horizontal	N/A
5***	8352.213	47.747	-5.05	54.0	6.253	AV	299.00	150	Horizontal	Pass
6	11985.487	54.17	-0.03	74.0	19.83	Peak	348.00	200	Horizontal	Pass
6**	11985.487	45.26	-0.03	54.0	8.74	AV	348.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1192.200	35.78	-18.52	74.0	38.22	Peak	94.00	300	Vertical	Pass
1**	1192.200	27.43	-18.52	54.0	26.57	AV	94.00	300	Vertical	Pass
2	2866.300	41.30	-11.72	74.0	32.70	Peak	147.00	300	Vertical	Pass
2**	2866.300	32.33	-11.72	54.0	21.67	AV	147.00	300	Vertical	Pass
3	4203.000	45.99	-5.43	74.0	28.01	Peak	8.00	100	Vertical	Pass
3**	4203.000	38.51	-5.43	54.0	15.49	AV	8.00	100	Vertical	Pass
4	5219.000	99.79	-4.34	--	--	Peak	154.00	200	Vertical	N/A
4**	5219.000	93.07	-4.34	--	--	AV	154.00	200	Vertical	N/A
5	8352.213	49.38	-5.05	74.0	24.62	Peak	70.00	150	Vertical	Pass
5**	8352.213	46.14	-5.05	54.0	7.86	AV	70.00	150	Vertical	Pass
6	12485.900	54.30	0.31	74.0	19.70	Peak	54.00	100	Vertical	Pass
6**	12485.900	44.89	0.31	54.0	9.11	AV	54.00	100	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	1181.300	35.94	-18.61	74.0	38.06	Peak	252.00	100	Horizontal	Pass
1**	1181.300	26.21	-18.61	54.0	27.79	AV	252.00	100	Horizontal	Pass
2	2825.400	41.39	-12.00	74.0	32.61	Peak	111.00	100	Horizontal	Pass
2**	2825.400	31.54	-12.00	54.0	22.46	AV	111.00	100	Horizontal	Pass
3	4350.500	45.98	-5.42	74.0	28.02	Peak	360.00	100	Horizontal	Pass
3**	4350.500	36.94	-5.42	54.0	17.06	AV	360.00	100	Horizontal	Pass
4	5222.000	107.42	-4.20	--	--	Peak	208.00	400	Horizontal	N/A
4**	5222.000	100.93	-4.20	--	--	AV	208.00	400	Horizontal	N/A
5	8352.213	51.91	-5.05	74.0	22.09	Peak	301.00	150	Horizontal	Pass
5**	8352.213	50.15	-5.05	54.0	3.85	AV	301.00	150	Horizontal	N/A
5***	8352.213	47.779	-5.05	54.0	6.221	AV	301.00	150	Horizontal	Pass
6	11988.338	54.17	-0.05	74.0	19.83	Peak	360.00	100	Horizontal	Pass
6**	11988.338	45.09	-0.05	54.0	8.91	AV	360.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1173.100	35.70	-18.71	74.0	38.30	Peak	26.00	150	Vertical	Pass
1**	1173.100	25.94	-18.71	54.0	28.06	AV	26.00	150	Vertical	Pass
2	2880.200	41.51	-11.79	74.0	32.49	Peak	92.00	100	Vertical	Pass
2**	2880.200	31.51	-11.79	54.0	22.49	AV	92.00	100	Vertical	Pass
3	4176.500	46.35	-6.09	74.0	27.65	Peak	253.00	150	Vertical	Pass
3**	4176.500	36.47	-6.09	54.0	17.53	AV	253.00	150	Vertical	Pass
4	5219.000	100.79	-4.34	--	--	Peak	130.00	300	Vertical	N/A
4**	5219.000	93.30	-4.34	--	--	AV	130.00	300	Vertical	N/A
5	8352.213	49.77	-5.05	74.0	24.23	Peak	70.00	150	Vertical	Pass
5**	8352.213	46.18	-5.05	54.0	7.82	AV	70.00	150	Vertical	Pass
6	12666.401	54.25	0.46	74.0	19.75	Peak	168.00	100	Vertical	Pass
6**	12666.401	44.95	0.46	54.0	9.05	AV	168.00	100	Vertical	Pass

11n40, 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	1141.600	36.06	-18.42	74.0	37.94	Peak	102.00	400	Horizontal	Pass
1**	1141.600	26.18	-18.42	54.0	27.82	AV	102.00	400	Horizontal	Pass
2	2878.300	41.67	-11.72	74.0	32.33	Peak	127.00	100	Horizontal	Pass
2**	2878.300	31.59	-11.72	54.0	22.41	AV	127.00	100	Horizontal	Pass
3	4245.250	46.20	-6.08	74.0	27.80	Peak	36.00	200	Horizontal	Pass
3**	4245.250	36.31	-6.08	54.0	17.69	AV	36.00	200	Horizontal	Pass
4	5232.250	106.12	-4.01	--	--	Peak	286.00	200	Horizontal	N/A
4**	5232.250	99.60	-4.01	--	--	AV	286.00	200	Horizontal	N/A
5	8368.125	51.52	-4.87	74.0	22.48	Peak	336.00	150	Horizontal	Pass
5**	8368.125	48.98	-4.87	54.0	5.02	AV	336.00	150	Horizontal	N/A
5***	8368.125	47.376	-4.87	54.0	6.624	AV	336.00	150	Horizontal	Pass
6	12475.213	54.62	0.13	74.0	19.38	Peak	146.00	400	Horizontal	Pass
6**	12475.213	45.28	0.13	54.0	8.72	AV	146.00	400	Horizontal	Pass

11n40, 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	1148.500	36.09	-18.46	74.0	37.91	Peak	99.00	400	Vertical	Pass
1**	1148.500	26.35	-18.46	54.0	27.65	AV	99.00	400	Vertical	Pass
2	2831.100	41.04	-12.14	74.0	32.96	Peak	82.00	300	Vertical	Pass
2**	2831.100	32.01	-12.14	54.0	21.99	AV	82.00	300	Vertical	Pass
3	4196.500	46.08	-5.17	74.0	27.92	Peak	308.00	200	Vertical	Pass
3**	4196.500	36.71	-5.17	54.0	17.29	AV	308.00	200	Vertical	Pass
4	5228.250	99.53	-3.97	--	--	Peak	132.00	100	Vertical	N/A
4**	5228.250	91.49	-3.97	--	--	AV	132.00	100	Vertical	N/A
5	8368.125	48.66	-4.87	74.0	25.34	Peak	91.00	150	Vertical	Pass
5**	8368.125	45.68	-4.87	54.0	8.32	AV	91.00	150	Vertical	Pass
6	11945.349	54.42	-0.08	74.0	19.58	Peak	280.00	300	Vertical	Pass
6**	11945.349	45.01	-0.08	54.0	8.99	AV	280.00	300	Vertical	Pass

11ac20, 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	1186.200	35.71	-18.54	74.0	38.29	Peak	228.00	400	Horizontal	Pass
1**	1186.200	25.78	-18.54	54.0	28.22	AV	228.00	400	Horizontal	Pass
2	2853.500	41.76	-11.74	74.0	32.24	Peak	130.00	400	Horizontal	Pass
2**	2853.500	31.70	-11.74	54.0	22.30	AV	130.00	400	Horizontal	Pass
3	4350.250	46.54	-5.39	74.0	27.46	Peak	189.00	200	Horizontal	Pass
3**	4350.250	37.55	-5.39	54.0	16.45	AV	189.00	200	Horizontal	Pass
4	5221.250	106.90	-4.23	--	--	Peak	291.00	300	Horizontal	N/A
4**	5221.250	100.25	-4.23	--	--	AV	291.00	300	Horizontal	N/A
5	8352.213	52.99	-5.05	74.0	21.01	Peak	332.00	150	Horizontal	Pass
5**	8352.213	50.18	-5.05	54.0	3.82	AV	332.00	150	Horizontal	N/A
5***	8352.213	47.939	-5.05	54.0	6.061	AV	332.00	150	Horizontal	Pass
6	12491.125	54.78	0.36	74.0	19.22	Peak	116.00	200	Horizontal	Pass
6**	12491.125	44.95	0.36	54.0	9.05	AV	116.00	200	Horizontal	Pass

11ac20, 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	1229.700	36.35	-18.55	74.0	37.65	Peak	320.00	200	Vertical	Pass
1**	1229.700	26.71	-18.55	54.0	27.29	AV	320.00	200	Vertical	Pass
2	2858.600	41.57	-11.74	74.0	32.43	Peak	360.00	400	Vertical	Pass
2**	2858.600	31.34	-11.74	54.0	22.66	AV	360.00	400	Vertical	Pass
3	4287.500	47.26	-6.05	74.0	26.74	Peak	136.00	200	Vertical	Pass
3**	4287.500	36.71	-6.05	54.0	17.29	AV	136.00	200	Vertical	Pass
4	5218.750	99.64	-4.34	--	--	Peak	136.00	300	Vertical	N/A
4**	5218.750	92.36	-4.34	--	--	AV	136.00	300	Vertical	N/A
5	8352.213	49.28	-5.05	74.0	24.72	Peak	64.00	150	Vertical	Pass
5**	8352.213	46.31	-5.05	54.0	7.69	AV	64.00	150	Vertical	Pass
6	12013.513	53.75	-0.43	74.0	20.25	Peak	64.00	300	Vertical	Pass
6**	12013.513	43.88	-0.43	54.0	10.12	AV	64.00	300	Vertical	Pass

11ac40, 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	1154.600	36.04	-18.53	74.0	37.96	Peak	293.00	200	Horizontal	Pass
1**	1154.600	25.72	-18.53	54.0	28.28	AV	293.00	200	Horizontal	Pass
2	2862.100	41.62	-11.66	74.0	32.38	Peak	154.00	400	Horizontal	Pass
2**	2862.100	31.82	-11.66	54.0	22.18	AV	154.00	400	Horizontal	Pass
3	4346.000	46.98	-5.34	74.0	27.02	Peak	285.00	200	Horizontal	Pass
3**	4346.000	36.93	-5.34	54.0	17.07	AV	285.00	200	Horizontal	Pass
4	5228.500	104.98	-3.97	--	--	Peak	261.00	200	Horizontal	N/A
4**	5228.500	97.65	-3.97	--	--	AV	261.00	200	Horizontal	N/A
5	8368.125	52.24	-4.87	74.0	21.76	Peak	296.00	150	Horizontal	Pass
5**	8368.125	49.37	-4.87	54.0	4.63	AV	296.00	150	Horizontal	N/A
5***	8368.125	47.997	-4.87	54.0	6.003	AV	296.00	150	Horizontal	Pass
6	11963.162	54.36	-0.04	74.0	19.64	Peak	0.00	400	Horizontal	Pass
6**	11963.162	44.49	-0.04	54.0	9.51	AV	0.00	400	Horizontal	Pass

11ac40, 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	1208.300	35.75	-18.55	74.0	38.25	Peak	0.00	300	Vertical	Pass
1**	1208.300	26.89	-18.55	54.0	27.11	AV	0.00	300	Vertical	Pass
2	2887.100	41.49	-11.61	74.0	32.51	Peak	360.00	100	Vertical	Pass
2**	2887.100	31.89	-11.61	54.0	22.11	AV	360.00	100	Vertical	Pass
3	4299.000	45.93	-6.21	74.0	28.07	Peak	148.00	200	Vertical	Pass
3**	4299.000	36.77	-6.21	54.0	17.23	AV	148.00	200	Vertical	Pass
4	5228.250	97.37	-3.97	--	--	Peak	148.00	100	Vertical	N/A
4**	5228.250	89.70	-3.97	--	--	AV	148.00	100	Vertical	N/A
5	8368.125	50.33	-4.87	74.0	23.67	Peak	209.00	150	Vertical	Pass
5**	8368.125	45.69	-4.87	54.0	8.31	AV	209.00	150	Vertical	Pass
6	12490.412	54.44	0.36	74.0	19.56	Peak	20.00	300	Vertical	Pass
6**	12490.412	45.10	0.36	54.0	8.90	AV	20.00	300	Vertical	Pass

11ac80, 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	1080.000	36.41	-18.96	74.0	37.59	Peak	88.00	150	Horizontal	Pass
1**	1080.000	31.42	-18.96	54.0	22.58	AV	88.00	150	Horizontal	Pass
2	2888.100	41.54	-11.49	74.0	32.46	Peak	31.00	200	Horizontal	Pass
2**	2888.100	31.79	-11.49	54.0	22.21	AV	31.00	200	Horizontal	Pass
3	4370.500	46.83	-6.15	74.0	27.17	Peak	360.00	200	Horizontal	Pass
3**	4370.500	36.40	-6.15	54.0	17.60	AV	360.00	200	Horizontal	Pass
4	5207.750	103.19	-4.74	--	--	Peak	210.00	100	Horizontal	N/A
4**	5207.750	94.90	-4.74	--	--	AV	210.00	100	Horizontal	N/A
5	8336.300	51.55	-5.00	74.0	22.45	Peak	323.00	150	Horizontal	Pass
5**	8336.300	49.71	-5.00	54.0	4.29	AV	323.00	150	Horizontal	N/A
5***	8336.300	47.730	-5.00	54.0	6.270	AV	323.00	150	Horizontal	Pass
6	11976.225	54.20	-0.04	74.0	19.80	Peak	209.00	100	Horizontal	Pass
6**	11976.225	45.29	-0.04	54.0	8.71	AV	209.00	100	Horizontal	Pass

11ac80, 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	1080.000	36.33	-18.96	74.0	37.67	Peak	1.00	150	Vertical	Pass
1**	1080.000	31.15	-18.96	54.0	22.85	AV	1.00	150	Vertical	Pass
2	2875.000	41.44	-11.93	74.0	32.56	Peak	169.00	300	Vertical	Pass
2**	2875.000	32.26	-11.93	54.0	21.74	AV	169.00	300	Vertical	Pass
3	4196.500	46.01	-5.17	74.0	27.99	Peak	51.00	200	Vertical	Pass
3**	4196.500	36.67	-5.17	54.0	17.33	AV	51.00	200	Vertical	Pass
4	5214.750	93.76	-4.45	--	--	Peak	129.00	400	Vertical	N/A
4**	5214.750	85.60	-4.45	--	--	AV	129.00	400	Vertical	N/A
5	8336.300	47.81	-5.00	74.0	26.19	Peak	131.00	150	Vertical	Pass
5**	8336.300	45.67	-5.00	54.0	8.33	AV	131.00	150	Vertical	Pass
6	11992.138	54.27	-0.10	74.0	19.73	Peak	98.00	200	Vertical	Pass
6**	11992.138	44.78	-0.10	54.0	9.22	AV	98.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1080.100	36.60	-18.95	74.0	37.40	Peak	59.00	400	Horizontal	Pass
1**	1080.100	32.00	-18.95	54.0	22.00	AV	59.00	400	Horizontal	Pass
2	2723.300	41.27	-12.79	74.0	32.73	Peak	19.00	200	Horizontal	Pass
2**	2723.300	31.39	-12.79	54.0	22.61	AV	19.00	200	Horizontal	Pass
3	4221.250	45.90	-6.23	74.0	28.10	Peak	66.00	200	Horizontal	Pass
3**	4221.250	36.84	-6.23	54.0	17.16	AV	66.00	200	Horizontal	Pass
4	5302.000	108.28	-4.42	--	--	Peak	246.00	100	Horizontal	N/A
4**	5302.000	101.02	-4.42	--	--	AV	246.00	100	Horizontal	N/A
5	8480.225	50.56	-4.46	74.0	23.44	Peak	299.00	150	Horizontal	Pass
5**	8480.225	47.88	-4.46	54.0	6.12	AV	299.00	150	Horizontal	Pass
6	11905.688	54.31	-0.41	74.0	19.69	Peak	217.00	200	Horizontal	Pass
6**	11905.688	44.86	-0.41	54.0	9.14	AV	217.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1187.700	35.98	-18.54	74.0	38.02	Peak	78.00	400	Vertical	Pass
1**	1187.700	25.77	-18.54	54.0	28.23	AV	78.00	400	Vertical	Pass
2	2782.700	41.63	-11.79	74.0	32.37	Peak	146.00	200	Vertical	Pass
2**	2782.700	31.73	-11.79	54.0	22.27	AV	146.00	200	Vertical	Pass
3	4199.500	46.22	-5.24	74.0	27.78	Peak	360.00	100	Vertical	Pass
3**	4199.500	36.84	-5.24	54.0	17.16	AV	360.00	100	Vertical	Pass
4	5296.000	100.37	-4.62	--	--	Peak	131.00	300	Vertical	N/A
4**	5296.000	91.53	-4.62	--	--	AV	131.00	300	Vertical	N/A
5	8480.463	49.74	-4.43	74.0	24.26	Peak	70.00	150	Vertical	Pass
5**	8480.463	44.87	-4.43	54.0	9.13	AV	70.00	150	Vertical	Pass
6	11939.651	54.46	-0.17	74.0	19.54	Peak	120.00	400	Vertical	Pass
6**	11939.651	44.71	-0.17	54.0	9.29	AV	120.00	400	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	1079.900	36.09	-18.97	74.0	37.91	Peak	202.00	300	Horizontal	Pass
1**	1079.900	30.93	-18.97	54.0	23.07	AV	202.00	300	Horizontal	Pass
2	2802.200	40.87	-12.55	74.0	33.13	Peak	196.00	300	Horizontal	Pass
2**	2802.200	31.35	-12.55	54.0	22.65	AV	196.00	300	Horizontal	Pass
3	4190.500	46.62	-5.31	74.0	27.38	Peak	153.00	100	Horizontal	Pass
3**	4190.500	37.15	-5.31	54.0	16.85	AV	153.00	100	Horizontal	Pass
4	5298.250	107.95	-4.57	--	--	Peak	221.00	400	Horizontal	N/A
4**	5298.250	100.78	-4.57	--	--	AV	221.00	400	Horizontal	N/A
5	8480.225	50.68	-4.46	74.0	23.32	Peak	299.00	150	Horizontal	Pass
5**	8480.225	47.95	-4.46	54.0	6.05	AV	299.00	150	Horizontal	Pass
6	11992.612	54.20	-0.11	74.0	19.80	Peak	316.00	100	Horizontal	Pass
6**	11992.612	46.12	-0.11	54.0	7.88	AV	316.00	100	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	1080.300	35.81	-18.92	74.0	38.19	Peak	360.00	300	Vertical	Pass
1**	1080.300	30.62	-18.92	54.0	23.38	AV	360.00	300	Vertical	Pass
2	2784.200	41.44	-11.81	74.0	32.56	Peak	314.00	200	Vertical	Pass
2**	2784.200	31.98	-11.81	54.0	22.02	AV	314.00	200	Vertical	Pass
3	4267.500	46.24	-6.20	74.0	27.76	Peak	86.00	200	Vertical	Pass
3**	4267.500	36.32	-6.20	54.0	17.68	AV	86.00	200	Vertical	Pass
4	5301.000	99.87	-4.45	--	--	Peak	141.00	300	Vertical	N/A
4**	5301.000	92.09	-4.45	--	--	AV	141.00	300	Vertical	N/A
5	7525.250	54.62	0.10	74.0	19.38	Peak	210.00	100	Vertical	Pass
5**	7525.250	46.21	0.10	54.0	7.79	AV	210.00	100	Vertical	Pass
6	11974.325	54.34	-0.04	74.0	19.66	Peak	55.00	100	Vertical	Pass
6**	11974.325	46.31	-0.04	54.0	7.69	AV	55.00	100	Vertical	Pass

11n40, 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	1209.900	35.89	-18.41	74.0	38.11	Peak	179.00	400	Horizontal	Pass
1**	1209.900	25.93	-18.41	54.0	28.07	AV	179.00	400	Horizontal	Pass
2	2820.800	40.94	-11.97	74.0	33.06	Peak	169.00	300	Horizontal	Pass
2**	2820.800	31.41	-11.97	54.0	22.59	AV	169.00	300	Horizontal	Pass
3	4286.000	46.32	-6.03	74.0	27.68	Peak	355.00	100	Horizontal	Pass
3**	4286.000	36.95	-6.03	54.0	17.05	AV	355.00	100	Horizontal	Pass
4	5312.500	106.54	-4.28	--	--	Peak	207.00	150	Horizontal	N/A
4**	5312.500	99.34	-4.28	--	--	AV	207.00	150	Horizontal	N/A
5	7404.500	53.87	0.37	74.0	20.13	Peak	50.00	150	Horizontal	Pass
5**	7404.500	44.98	0.37	54.0	9.02	AV	50.00	150	Horizontal	Pass
6	12532.924	54.39	-0.34	74.0	19.61	Peak	130.00	200	Horizontal	Pass
6**	12532.924	44.12	-0.34	54.0	9.88	AV	130.00	200	Horizontal	Pass

11n40, 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	1151.100	36.76	-18.39	74.0	37.24	Peak	136.00	200	Vertical	Pass
1**	1151.100	26.37	-18.39	54.0	27.63	AV	136.00	200	Vertical	Pass
2	2840.900	41.01	-11.95	74.0	32.99	Peak	308.00	400	Vertical	Pass
2**	2840.900	32.20	-11.95	54.0	21.80	AV	308.00	400	Vertical	Pass
3	4176.500	46.16	-6.09	74.0	27.84	Peak	228.00	150	Vertical	Pass
3**	4176.500	36.70	-6.09	54.0	17.30	AV	228.00	150	Vertical	Pass
4	5317.250	98.97	-4.28	--	--	Peak	126.00	100	Vertical	N/A
4**	5317.250	90.51	-4.28	--	--	AV	126.00	100	Vertical	N/A
5	7421.750	53.95	0.11	74.0	20.05	Peak	297.00	150	Vertical	Pass
5**	7421.750	44.21	0.11	54.0	9.79	AV	297.00	150	Vertical	Pass
6	11874.813	55.23	-0.72	74.0	18.77	Peak	113.00	200	Vertical	Pass
6**	11874.813	45.97	-0.72	54.0	8.03	AV	113.00	200	Vertical	Pass

11ac20, 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	1080.300	36.73	-18.92	74.0	37.27	Peak	92.00	300	Horizontal	Pass
1**	1080.300	30.81	-18.92	54.0	23.19	AV	92.00	300	Horizontal	Pass
2	2785.900	41.46	-11.80	74.0	32.54	Peak	56.00	200	Horizontal	Pass
2**	2785.900	31.39	-11.80	54.0	22.61	AV	56.00	200	Horizontal	Pass
3	4357.500	45.92	-5.83	74.0	28.08	Peak	166.00	150	Horizontal	Pass
3**	4357.500	37.15	-5.83	54.0	16.85	AV	166.00	150	Horizontal	Pass
4	5301.500	107.83	-4.45	--	--	Peak	211.00	400	Horizontal	N/A
4**	5301.500	100.72	-4.45	--	--	AV	211.00	400	Horizontal	N/A
5	8480.225	51.46	-4.46	74.0	22.54	Peak	331.00	150	Horizontal	Pass
5**	8480.225	48.47	-4.46	54.0	5.53	AV	331.00	150	Horizontal	N/A
5***	8480.225	47.959	-4.46	54.0	6.041	AV	331.00	150	Horizontal	Pass
6	12447.901	55.62	-0.05	74.0	18.38	Peak	314.00	400	Horizontal	Pass
6**	12447.901	44.58	-0.05	54.0	9.42	AV	314.00	400	Horizontal	Pass

11ac20, 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	1079.800	36.57	-18.99	74.0	37.43	Peak	323.00	100	Vertical	Pass
1**	1079.800	30.03	-18.99	54.0	23.97	AV	323.00	100	Vertical	Pass
2	2852.200	41.84	-11.82	74.0	32.16	Peak	306.00	300	Vertical	Pass
2**	2852.200	31.77	-11.82	54.0	22.23	AV	306.00	300	Vertical	Pass
3	4341.500	46.97	-5.52	74.0	27.03	Peak	77.00	150	Vertical	Pass
3**	4341.500	37.62	-5.52	54.0	16.38	AV	77.00	150	Vertical	Pass
4	5297.250	100.67	-4.59	--	--	Peak	133.00	200	Vertical	N/A
4**	5297.250	92.89	-4.59	--	--	AV	133.00	200	Vertical	N/A
5	7539.500	54.22	0.05	74.0	19.78	Peak	66.00	150	Vertical	Pass
5**	7539.500	44.71	0.05	54.0	9.29	AV	66.00	150	Vertical	Pass
6	12484.237	54.86	0.28	74.0	19.14	Peak	315.00	400	Vertical	Pass
6**	12484.237	45.82	0.28	54.0	8.18	AV	315.00	400	Vertical	Pass

11ac40, 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	1220.200	35.92	-18.60	74.0	38.08	Peak	360.00	400	Horizontal	Pass
1**	1220.200	27.32	-18.60	54.0	26.68	AV	360.00	400	Horizontal	Pass
2	2876.700	40.60	-11.83	74.0	33.40	Peak	106.00	400	Horizontal	Pass
2**	2876.700	31.90	-11.83	54.0	22.10	AV	106.00	400	Horizontal	Pass
3	4204.250	46.02	-5.46	74.0	27.98	Peak	291.00	150	Horizontal	Pass
3**	4204.250	37.56	-5.46	54.0	16.44	AV	291.00	150	Horizontal	Pass
4	5313.000	106.73	-4.29	--	--	Peak	235.00	100	Horizontal	N/A
4**	5313.000	99.40	-4.29	--	--	AV	235.00	100	Horizontal	N/A
5	7483.500	54.29	0.53	74.0	19.71	Peak	257.00	150	Horizontal	Pass
5**	7483.500	45.43	0.53	54.0	8.57	AV	257.00	150	Horizontal	Pass
6	11991.663	54.42	-0.09	74.0	19.58	Peak	360.00	300	Horizontal	Pass
6**	11991.663	45.46	-0.09	54.0	8.54	AV	360.00	300	Horizontal	Pass

11ac40, 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	1079.900	36.61	-18.97	74.0	37.39	Peak	358.00	300	Vertical	Pass
1**	1079.900	31.06	-18.97	54.0	22.94	AV	358.00	300	Vertical	Pass
2	2841.400	41.87	-11.95	74.0	32.13	Peak	271.00	100	Vertical	Pass
2**	2841.400	32.81	-11.95	54.0	21.19	AV	271.00	100	Vertical	Pass
3	4289.250	46.80	-6.10	74.0	27.20	Peak	244.00	100	Vertical	Pass
3**	4289.250	37.17	-6.10	54.0	16.83	AV	244.00	100	Vertical	Pass
4	5313.250	99.90	-4.29	--	--	Peak	143.00	300	Vertical	N/A
4**	5313.250	92.28	-4.29	--	--	AV	143.00	300	Vertical	N/A
5	7516.250	54.70	0.44	74.0	19.30	Peak	356.00	150	Vertical	Pass
5**	7516.250	44.72	0.44	54.0	9.28	AV	356.00	150	Vertical	Pass
6	12495.400	54.76	0.34	74.0	19.24	Peak	71.00	100	Vertical	Pass
6**	12495.400	45.36	0.34	54.0	8.64	AV	71.00	100	Vertical	Pass

11ac80, 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	1080.100	36.47	-18.95	74.0	37.53	Peak	131.00	300	Horizontal	Pass
1**	1080.100	31.34	-18.95	54.0	22.66	AV	131.00	300	Horizontal	Pass
2	2853.500	40.73	-11.74	74.0	33.27	Peak	318.00	400	Horizontal	Pass
2**	2853.500	32.12	-11.74	54.0	21.88	AV	318.00	400	Horizontal	Pass
3	4343.750	46.90	-5.40	74.0	27.10	Peak	42.00	100	Horizontal	Pass
3**	4343.750	37.40	-5.40	54.0	16.60	AV	42.00	100	Horizontal	Pass
4	5300.000	104.39	-4.48	--	--	Peak	221.00	300	Horizontal	N/A
4**	5300.000	96.54	-4.48	--	--	AV	221.00	300	Horizontal	N/A
5	8464.312	49.99	-4.66	74.0	24.01	Peak	331.00	150	Horizontal	Pass
5**	8464.312	47.83	-4.66	54.0	6.17	AV	331.00	150	Horizontal	Pass
6	11992.849	54.49	-0.11	74.0	19.51	Peak	1.00	200	Horizontal	Pass
6**	11992.849	45.21	-0.11	54.0	8.79	AV	1.00	200	Horizontal	Pass

11ac80, 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	1080.400	36.36	-18.91	74.0	37.64	Peak	195.00	300	Vertical	Pass
1**	1080.400	30.76	-18.91	54.0	23.24	AV	195.00	300	Vertical	Pass
2	2819.100	41.26	-12.05	74.0	32.74	Peak	189.00	300	Vertical	Pass
2**	2819.100	31.85	-12.05	54.0	22.15	AV	189.00	300	Vertical	Pass
3	4203.000	46.37	-5.43	74.0	27.63	Peak	97.00	200	Vertical	Pass
3**	4203.000	37.68	-5.43	54.0	16.32	AV	97.00	200	Vertical	Pass
4	5279.750	96.26	-4.78	--	--	Peak	143.00	100	Vertical	N/A
4**	5279.750	88.32	-4.78	--	--	AV	143.00	100	Vertical	N/A
5	8464.312	47.77	-4.66	74.0	26.23	Peak	217.00	150	Vertical	Pass
5**	8464.312	44.37	-4.66	54.0	9.63	AV	217.00	150	Vertical	Pass
6	11976.700	54.24	-0.05	74.0	19.76	Peak	331.00	100	Vertical	Pass
6**	11976.700	45.39	-0.05	54.0	8.61	AV	331.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1079.600	36.65	-19.01	74.0	37.35	Peak	139.00	300	Horizontal	Pass
1**	1079.600	28.83	-19.01	54.0	25.17	AV	139.00	300	Horizontal	Pass
2	2840.900	42.25	-11.95	74.0	31.75	Peak	265.00	300	Horizontal	Pass
2**	2840.900	32.61	-11.95	54.0	21.39	AV	265.00	300	Horizontal	Pass
3	4351.250	47.12	-5.51	74.0	26.88	Peak	299.00	150	Horizontal	Pass
3**	4351.250	38.20	-5.51	54.0	15.80	AV	299.00	150	Horizontal	Pass
4	5578.500	110.95	-4.31	--	--	Peak	220.00	300	Horizontal	N/A
4**	5578.500	103.48	-4.31	--	--	AV	220.00	300	Horizontal	N/A
5	8928.388	49.99	-2.00	68.2	18.21	Peak	217.00	150	Horizontal	Pass
5**	8928.388	46.75	-2.00	--	--	AV	217.00	150	Horizontal	N/A
6	11994.512	54.39	-0.14	74.0	19.61	Peak	348.00	100	Horizontal	Pass
6**	11994.512	45.29	-0.14	54.0	8.71	AV	348.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1080.200	37.09	-18.93	74.0	36.91	Peak	16.00	200	Vertical	Pass
1**	1080.200	31.39	-18.93	54.0	22.61	AV	16.00	200	Vertical	Pass
2	2869.700	42.31	-11.86	74.0	31.69	Peak	248.00	300	Vertical	Pass
2**	2869.700	33.72	-11.86	54.0	20.28	AV	248.00	300	Vertical	Pass
3	4330.250	46.95	-6.00	74.0	27.05	Peak	8.00	100	Vertical	Pass
3**	4330.250	37.53	-6.00	54.0	16.47	AV	8.00	100	Vertical	Pass
4	5578.500	101.61	-4.31	--	--	Peak	121.00	300	Vertical	N/A
4**	5578.500	94.30	-4.31	--	--	AV	121.00	300	Vertical	N/A
5	7510.500	55.58	0.58	74.0	18.42	Peak	77.00	150	Vertical	Pass
5**	7510.500	46.81	0.58	54.0	7.19	AV	77.00	150	Vertical	Pass
6	11978.838	54.77	-0.06	74.0	19.23	Peak	128.00	100	Vertical	Pass
6**	11978.838	45.02	-0.06	54.0	8.98	AV	128.00	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	1079.900	36.61	-18.97	74.0	37.39	Peak	340.00	300	Horizontal	Pass
1**	1079.900	30.80	-18.97	54.0	23.20	AV	340.00	300	Horizontal	Pass
2	2856.900	42.40	-11.70	74.0	31.60	Peak	69.00	200	Horizontal	Pass
2**	2856.900	32.97	-11.70	54.0	21.03	AV	69.00	200	Horizontal	Pass
3	4342.250	47.72	-5.49	74.0	26.28	Peak	52.00	100	Horizontal	Pass
3**	4342.250	38.49	-5.49	54.0	15.51	AV	52.00	100	Horizontal	Pass
4	5578.000	110.55	-4.28	--	--	Peak	222.00	400	Horizontal	N/A
4**	5578.000	102.85	-4.28	--	--	AV	222.00	400	Horizontal	N/A
5	8928.388	50.37	-2.00	68.2	17.83	Peak	347.00	150	Horizontal	Pass
5**	8928.388	45.94	-2.00	--	--	AV	347.00	150	Horizontal	N/A
6	11979.076	54.19	-0.06	74.0	19.81	Peak	18.00	100	Horizontal	Pass
6**	11979.076	45.22	-0.06	54.0	8.78	AV	18.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1162.900	36.59	-18.64	74.0	37.41	Peak	320.00	300	Vertical	Pass
1**	1162.900	27.01	-18.64	54.0	26.99	AV	320.00	300	Vertical	Pass
2	2877.300	42.33	-11.88	74.0	31.67	Peak	252.00	300	Vertical	Pass
2**	2877.300	33.09	-11.88	54.0	20.91	AV	252.00	300	Vertical	Pass
3	4349.750	47.25	-5.40	74.0	26.75	Peak	76.00	150	Vertical	Pass
3**	4349.750	38.99	-5.40	54.0	15.01	AV	76.00	150	Vertical	Pass
4	5581.750	100.00	-4.27	--	--	Peak	143.00	100	Vertical	N/A
4**	5581.750	93.03	-4.27	--	--	AV	143.00	100	Vertical	N/A
5	8928.151	50.25	-2.00	68.2	17.95	Peak	40.00	150	Vertical	Pass
5**	8928.151	46.23	-2.00	--	--	AV	40.00	150	Vertical	N/A
6	11975.750	54.88	-0.04	74.0	19.12	Peak	360.00	200	Vertical	Pass
6**	11975.750	45.66	-0.04	54.0	8.34	AV	360.00	200	Vertical	Pass

11n40, 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	1152.600	36.55	-18.45	74.0	37.45	Peak	330.00	200	Horizontal	Pass
1**	1152.600	26.44	-18.45	54.0	27.56	AV	330.00	200	Horizontal	Pass
2	2888.400	42.45	-11.45	74.0	31.55	Peak	115.00	200	Horizontal	Pass
2**	2888.400	33.25	-11.45	54.0	20.75	AV	115.00	200	Horizontal	Pass
3	4194.250	47.83	-5.26	74.0	26.17	Peak	130.00	150	Horizontal	Pass
3**	4194.250	38.50	-5.26	54.0	15.50	AV	130.00	150	Horizontal	Pass
4	5593.000	107.86	-3.76	--	--	Peak	220.00	200	Horizontal	N/A
4**	5593.000	100.67	-3.76	--	--	AV	220.00	200	Horizontal	N/A
5	8943.825	52.00	-2.22	68.2	16.20	Peak	315.00	150	Horizontal	Pass
5**	8943.825	46.59	-2.22	--	--	AV	315.00	150	Horizontal	N/A
6	12010.424	54.44	-0.30	74.0	19.56	Peak	119.00	150	Horizontal	Pass
6**	12010.424	44.87	-0.30	54.0	9.13	AV	119.00	150	Horizontal	Pass

11n40, 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	1080.200	36.65	-18.93	74.0	37.35	Peak	329.00	100	Vertical	Pass
1**	1080.200	32.17	-18.93	54.0	21.83	AV	329.00	100	Vertical	Pass
2	2836.300	42.71	-12.10	74.0	31.29	Peak	346.00	200	Vertical	Pass
2**	2836.300	32.44	-12.10	54.0	21.56	AV	346.00	200	Vertical	Pass
3	4128.750	47.62	-5.91	74.0	26.38	Peak	29.00	200	Vertical	Pass
3**	4128.750	37.79	-5.91	54.0	16.21	AV	29.00	200	Vertical	Pass
4	5588.250	100.03	-4.02	--	--	Peak	142.00	300	Vertical	N/A
4**	5588.250	91.86	-4.02	--	--	AV	142.00	300	Vertical	N/A
5	8944.300	49.89	-2.23	68.2	18.31	Peak	54.00	150	Vertical	Pass
5**	8944.300	46.99	-2.23	--	--	AV	54.00	150	Vertical	N/A
6	12472.838	55.52	0.09	74.0	18.48	Peak	331.00	200	Vertical	Pass
6**	12472.838	45.22	0.09	54.0	8.78	AV	331.00	200	Vertical	Pass

11ac20, 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	1080.100	36.59	-18.95	74.0	37.41	Peak	305.00	100	Horizontal	Pass
1**	1080.100	31.03	-18.95	54.0	22.97	AV	305.00	100	Horizontal	Pass
2	2853.900	42.46	-11.76	74.0	31.54	Peak	143.00	200	Horizontal	Pass
2**	2853.900	33.02	-11.76	54.0	20.98	AV	143.00	200	Horizontal	Pass
3	4357.750	47.40	-5.84	74.0	26.60	Peak	29.00	200	Horizontal	Pass
3**	4357.750	38.26	-5.84	54.0	15.74	AV	29.00	200	Horizontal	Pass
4	5580.750	110.07	-4.27	--	--	Peak	232.00	400	Horizontal	N/A
4**	5580.750	103.04	-4.27	--	--	AV	232.00	400	Horizontal	N/A
5	8928.151	50.48	-2.00	68.2	17.72	Peak	0.00	150	Horizontal	Pass
5**	8928.151	45.95	-2.00	--	--	AV	0.00	150	Horizontal	N/A
6	12686.349	54.42	0.64	74.0	19.58	Peak	36.00	400	Horizontal	Pass
6**	12686.349	44.65	0.64	54.0	9.35	AV	36.00	400	Horizontal	Pass

11ac20, 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	1079.700	36.92	-19.00	74.0	37.08	Peak	174.00	200	Vertical	Pass
1**	1079.700	29.91	-19.00	54.0	24.09	AV	174.00	200	Vertical	Pass
2	2791.000	42.87	-12.22	74.0	31.13	Peak	30.00	100	Vertical	Pass
2**	2791.000	32.58	-12.22	54.0	21.42	AV	30.00	100	Vertical	Pass
3	4340.500	48.17	-5.54	74.0	25.83	Peak	120.00	100	Vertical	Pass
3**	4340.500	38.79	-5.54	54.0	15.21	AV	120.00	100	Vertical	Pass
4	5578.750	100.36	-4.32	--	--	Peak	142.00	300	Vertical	N/A
4**	5578.750	91.86	-4.32	--	--	AV	142.00	300	Vertical	N/A
5	8928.388	49.88	-2.00	68.2	18.32	Peak	39.00	150	Vertical	Pass
5**	8928.388	45.12	-2.00	--	--	AV	39.00	150	Vertical	N/A
6	12691.575	54.39	0.64	74.0	19.61	Peak	6.00	400	Vertical	Pass
6**	12691.575	45.56	0.64	54.0	8.44	AV	6.00	400	Vertical	Pass

11ac40, 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	1080.000	36.63	-18.96	74.0	37.37	Peak	360.00	400	Horizontal	Pass
1**	1080.000	31.05	-18.96	54.0	22.95	AV	360.00	400	Horizontal	Pass
2	2876.000	43.00	-11.84	74.0	31.00	Peak	95.00	100	Horizontal	Pass
2**	2876.000	33.88	-11.84	54.0	20.12	AV	95.00	100	Horizontal	Pass
3	4134.750	47.32	-5.73	74.0	26.68	Peak	325.00	150	Horizontal	Pass
3**	4134.750	37.78	-5.73	54.0	16.22	AV	325.00	150	Horizontal	Pass
4	5586.000	107.88	-4.17	--	--	Peak	224.00	400	Horizontal	N/A
4**	5586.000	100.19	-4.17	--	--	AV	224.00	400	Horizontal	N/A
5	8944.300	51.91	-2.23	68.2	16.29	Peak	299.00	150	Horizontal	Pass
5**	8944.300	46.36	-2.23	--	--	AV	299.00	150	Horizontal	N/A
6	11979.550	54.59	-0.06	74.0	19.41	Peak	101.00	100	Horizontal	Pass
6**	11979.550	45.49	-0.06	54.0	8.51	AV	101.00	100	Horizontal	Pass

11ac40, 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	1080.200	37.07	-18.93	74.0	36.93	Peak	360.00	200	Vertical	Pass
1**	1080.200	31.34	-18.93	54.0	22.66	AV	360.00	200	Vertical	Pass
2	2781.000	42.67	-11.91	74.0	31.33	Peak	50.00	100	Vertical	Pass
2**	2781.000	34.31	-11.91	54.0	19.69	AV	50.00	100	Vertical	Pass
3	4351.250	47.95	-5.51	74.0	26.05	Peak	7.00	150	Vertical	Pass
3**	4351.250	38.24	-5.51	54.0	15.76	AV	7.00	150	Vertical	Pass
4	5592.000	100.65	-3.90	--	--	Peak	142.00	400	Vertical	N/A
4**	5592.000	92.70	-3.90	--	--	AV	142.00	400	Vertical	N/A
5	8944.062	51.03	-2.23	68.2	17.17	Peak	151.00	150	Vertical	Pass
5**	8944.062	45.73	-2.23	--	--	AV	151.00	150	Vertical	N/A
6	12502.525	54.13	0.26	74.0	19.87	Peak	0.00	400	Vertical	Pass
6**	12502.525	45.59	0.26	54.0	8.41	AV	0.00	400	Vertical	Pass

11ac80, 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	1079.800	36.90	-18.99	74.0	37.10	Peak	198.00	400	Horizontal	Pass
1**	1079.800	31.44	-18.99	54.0	22.56	AV	198.00	400	Horizontal	Pass
2	2866.500	42.25	-11.69	74.0	31.75	Peak	360.00	300	Horizontal	Pass
2**	2866.500	33.41	-11.69	54.0	20.59	AV	360.00	300	Horizontal	Pass
3	4313.000	47.42	-6.07	74.0	26.58	Peak	188.00	100	Horizontal	Pass
3**	4313.000	37.71	-6.07	54.0	16.29	AV	188.00	100	Horizontal	Pass
4	5611.500	105.65	-3.12	--	--	Peak	222.00	150	Horizontal	N/A
4**	5611.500	98.15	-3.12	--	--	AV	222.00	150	Horizontal	N/A
5	8976.125	50.58	-2.10	68.2	17.62	Peak	217.00	150	Horizontal	Pass
5**	8976.125	46.31	-2.10	--	--	AV	217.00	150	Horizontal	N/A
6	11940.600	53.89	-0.16	74.0	20.11	Peak	233.00	150	Horizontal	Pass
6**	11940.600	45.71	-0.16	54.0	8.29	AV	233.00	150	Horizontal	Pass

11ac80, 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	1080.000	36.69	-18.96	74.0	37.31	Peak	54.00	300	Vertical	Pass
1**	1080.000	31.86	-18.96	54.0	22.14	AV	54.00	300	Vertical	Pass
2	2784.400	42.31	-11.81	74.0	31.69	Peak	37.00	200	Vertical	Pass
2**	2784.400	33.54	-11.81	54.0	20.46	AV	37.00	200	Vertical	Pass
3	4254.750	47.93	-5.91	74.0	26.07	Peak	110.00	200	Vertical	Pass
3**	4254.750	37.61	-5.91	54.0	16.39	AV	110.00	200	Vertical	Pass
4	5604.250	96.17	-3.24	--	--	Peak	276.00	400	Vertical	N/A
4**	5604.250	88.07	-3.24	--	--	AV	276.00	400	Vertical	N/A
5	8976.125	50.73	-2.10	68.2	17.47	Peak	18.00	150	Vertical	Pass
5**	8976.125	46.10	-2.10	--	--	AV	18.00	150	Vertical	N/A
6	11972.425	54.42	-0.04	74.0	19.58	Peak	360.00	100	Vertical	Pass
6**	11972.425	44.63	-0.04	54.0	9.37	AV	360.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1079.900	38.18	-18.97	74.0	35.82	Peak	0.00	300	Horizontal	Pass
1**	1079.900	32.50	-18.97	54.0	21.50	AV	0.00	300	Horizontal	Pass
2	2798.700	42.81	-12.62	74.0	31.19	Peak	134.00	200	Horizontal	Pass
2**	2798.700	33.40	-12.62	54.0	20.60	AV	134.00	200	Horizontal	Pass
3	4351.250	47.16	-5.51	74.0	26.84	Peak	83.00	100	Horizontal	Pass
3**	4351.250	37.93	-5.51	54.0	16.07	AV	83.00	100	Horizontal	Pass
4	5783.750	112.82	-2.32	--	--	Peak	219.00	100	Horizontal	N/A
4**	5783.750	105.24	-2.32	--	--	AV	219.00	100	Horizontal	N/A
5	9393.412	52.95	-0.81	74.0	21.05	Peak	344.00	150	Horizontal	Pass
5**	9393.412	43.97	-0.81	54.0	10.03	AV	344.00	150	Horizontal	Pass
6	12465.475	54.28	0.07	74.0	19.72	Peak	344.00	300	Horizontal	Pass
6**	12465.475	44.54	0.07	54.0	9.46	AV	344.00	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	1080.500	37.39	-18.89	74.0	36.61	Peak	245.00	200	Vertical	Pass
1**	1080.500	31.14	-18.89	54.0	22.86	AV	245.00	200	Vertical	Pass
2	2880.900	42.55	-11.77	74.0	31.45	Peak	71.00	300	Vertical	Pass
2**	2880.900	34.43	-11.77	54.0	19.57	AV	71.00	300	Vertical	Pass
3	4208.750	46.94	-5.85	74.0	27.06	Peak	129.00	150	Vertical	Pass
3**	4208.750	38.23	-5.85	54.0	15.77	AV	129.00	150	Vertical	Pass
4	5787.750	104.09	-2.50	--	--	Peak	219.00	400	Vertical	N/A
4**	5787.750	96.92	-2.50	--	--	AV	219.00	400	Vertical	N/A
5	9142.850	51.53	-2.30	74.0	22.47	Peak	45.00	150	Vertical	Pass
5**	9142.850	41.19	-2.30	54.0	12.81	AV	45.00	150	Vertical	Pass
6	12684.925	54.79	0.62	74.0	19.21	Peak	356.00	200	Vertical	Pass
6**	12684.925	45.05	0.62	54.0	8.95	AV	356.00	200	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	1080.100	37.67	-18.95	74.0	36.33	Peak	304.00	100	Horizontal	Pass
1**	1080.100	32.33	-18.95	54.0	21.67	AV	304.00	100	Horizontal	Pass
2	2778.400	42.83	-11.94	74.0	31.17	Peak	171.00	200	Horizontal	Pass
2**	2778.400	32.69	-11.94	54.0	21.31	AV	171.00	200	Horizontal	Pass
3	4343.250	47.37	-5.45	74.0	26.63	Peak	184.00	200	Horizontal	Pass
3**	4343.250	39.10	-5.45	54.0	14.90	AV	184.00	200	Horizontal	Pass
4	5782.500	111.34	-2.29	--	--	Peak	228.00	300	Horizontal	N/A
4**	5782.500	103.92	-2.29	--	--	AV	228.00	300	Horizontal	N/A
5	9134.775	51.27	-2.35	74.0	22.73	Peak	177.00	150	Horizontal	Pass
5**	9134.775	41.50	-2.35	54.0	12.50	AV	177.00	150	Horizontal	Pass
6	11901.175	54.30	-0.44	74.0	19.70	Peak	177.00	200	Horizontal	Pass
6**	11901.175	44.88	-0.44	54.0	9.12	AV	177.00	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	1080.200	37.83	-18.93	74.0	36.17	Peak	0.00	400	Vertical	Pass
1**	1080.200	32.63	-18.93	54.0	21.37	AV	0.00	400	Vertical	Pass
2	2855.000	42.82	-11.72	74.0	31.18	Peak	350.00	100	Vertical	Pass
2**	2855.000	33.31	-11.72	54.0	20.69	AV	350.00	100	Vertical	Pass
3	4125.750	47.51	-6.05	74.0	26.49	Peak	193.00	150	Vertical	Pass
3**	4125.750	37.28	-6.05	54.0	16.72	AV	193.00	150	Vertical	Pass
4	5786.250	101.74	-2.43	--	--	Peak	239.00	200	Vertical	N/A
4**	5786.250	94.76	-2.43	--	--	AV	239.00	200	Vertical	N/A
5	9366.813	52.73	-0.54	74.0	21.27	Peak	143.00	150	Vertical	Pass
5**	9366.813	43.30	-0.54	54.0	10.70	AV	143.00	150	Vertical	Pass
6	11983.112	54.64	-0.04	74.0	19.36	Peak	28.00	300	Vertical	Pass
6**	11983.112	44.62	-0.04	54.0	9.38	AV	28.00	300	Vertical	Pass

11n40, 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	1079.700	36.50	-19.00	74.0	37.50	Peak	315.00	100	Horizontal	Pass
1**	1079.700	30.05	-19.00	54.0	23.95	AV	315.00	100	Horizontal	Pass
2	2827.500	42.36	-12.02	74.0	31.64	Peak	163.00	150	Horizontal	Pass
2**	2827.500	32.32	-12.02	54.0	21.68	AV	163.00	150	Horizontal	Pass
3	4121.500	47.47	-6.12	74.0	26.53	Peak	298.00	150	Horizontal	Pass
3**	4121.500	37.62	-6.12	54.0	16.38	AV	298.00	150	Horizontal	Pass
4	5791.250	109.44	-2.63	--	--	Peak	220.00	100	Horizontal	N/A
4**	5791.250	101.81	-2.63	--	--	AV	220.00	100	Horizontal	N/A
5	9105.563	50.42	-2.37	74.0	23.58	Peak	213.00	150	Horizontal	Pass
5**	9105.563	41.57	-2.37	54.0	12.43	AV	213.00	150	Horizontal	Pass
6	11987.625	54.44	-0.04	74.0	19.56	Peak	263.00	300	Horizontal	Pass
6**	11987.625	44.80	-0.04	54.0	9.20	AV	263.00	300	Horizontal	Pass

11n40, 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	1080.000	36.93	-18.96	74.0	37.07	Peak	270.00	100	Vertical	Pass
1**	1080.000	31.41	-18.96	54.0	22.59	AV	270.00	100	Vertical	Pass
2	2849.900	42.80	-11.65	74.0	31.20	Peak	118.00	300	Vertical	Pass
2**	2849.900	33.43	-11.65	54.0	20.57	AV	118.00	300	Vertical	Pass
3	4345.500	47.73	-5.34	74.0	26.27	Peak	265.00	200	Vertical	Pass
3**	4345.500	38.84	-5.34	54.0	15.16	AV	265.00	200	Vertical	Pass
4	5784.000	98.92	-2.32	--	--	Peak	220.00	200	Vertical	N/A
4**	5784.000	91.17	-2.32	--	--	AV	220.00	200	Vertical	N/A
5	9107.937	50.90	-2.32	74.0	23.10	Peak	360.00	150	Vertical	Pass
5**	9107.937	41.93	-2.32	54.0	12.07	AV	360.00	150	Vertical	Pass
6	12495.875	54.32	0.34	74.0	19.68	Peak	262.00	300	Vertical	Pass
6**	12495.875	45.41	0.34	54.0	8.59	AV	262.00	300	Vertical	Pass

11ac20, 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	1080.200	37.28	-18.93	74.0	36.72	Peak	360.00	200	Horizontal	Pass
1**	1080.200	31.86	-18.93	54.0	22.14	AV	360.00	200	Horizontal	Pass
2	2885.100	42.14	-11.65	74.0	31.86	Peak	303.00	300	Horizontal	Pass
2**	2885.100	33.47	-11.65	54.0	20.53	AV	303.00	300	Horizontal	Pass
3	4193.500	47.63	-5.27	74.0	26.37	Peak	360.00	100	Horizontal	Pass
3**	4193.500	38.01	-5.27	54.0	15.99	AV	360.00	100	Horizontal	Pass
4	5784.000	112.29	-2.32	--	--	Peak	208.00	400	Horizontal	N/A
4**	5784.000	105.44	-2.32	--	--	AV	208.00	400	Horizontal	N/A
5	9370.613	52.92	-0.62	74.0	21.08	Peak	360.00	150	Horizontal	Pass
5**	9370.613	43.71	-0.62	54.0	10.29	AV	360.00	150	Horizontal	Pass
6	11942.025	54.45	-0.13	74.0	19.55	Peak	0.00	300	Horizontal	Pass
6**	11942.025	45.26	-0.13	54.0	8.74	AV	0.00	300	Horizontal	Pass

11ac20, 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	1079.700	36.74	-19.00	74.0	37.26	Peak	44.00	300	Vertical	Pass
1**	1079.700	30.70	-19.00	54.0	23.30	AV	44.00	300	Vertical	Pass
2	2827.200	42.78	-11.97	74.0	31.22	Peak	275.00	200	Vertical	Pass
2**	2827.200	32.72	-11.97	54.0	21.28	AV	275.00	200	Vertical	Pass
3	4202.750	47.95	-5.42	74.0	26.05	Peak	5.00	200	Vertical	Pass
3**	4202.750	38.29	-5.42	54.0	15.71	AV	5.00	200	Vertical	Pass
4	5786.750	104.04	-2.43	--	--	Peak	218.00	200	Vertical	N/A
4**	5786.750	96.81	-2.43	--	--	AV	218.00	200	Vertical	N/A
5	9085.612	50.71	-2.64	74.0	23.29	Peak	206.00	150	Vertical	Pass
5**	9085.612	41.92	-2.64	54.0	12.08	AV	206.00	150	Vertical	Pass
6	12509.412	54.61	0.10	74.0	19.39	Peak	286.00	100	Vertical	Pass
6**	12509.412	44.70	0.10	54.0	9.30	AV	286.00	100	Vertical	Pass

11ac40, 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	1079.800	37.64	-18.99	74.0	36.36	Peak	280.00	100	Horizontal	Pass
1**	1079.800	31.65	-18.99	54.0	22.35	AV	280.00	100	Horizontal	Pass
2	2872.400	42.72	-11.76	74.0	31.28	Peak	28.00	200	Horizontal	Pass
2**	2872.400	34.78	-11.76	54.0	19.22	AV	28.00	200	Horizontal	Pass
3	4210.500	47.44	-5.99	74.0	26.56	Peak	255.00	150	Horizontal	Pass
3**	4210.500	38.59	-5.99	54.0	15.41	AV	255.00	150	Horizontal	Pass
4	5797.750	109.93	-2.57	--	--	Peak	221.00	100	Horizontal	N/A
4**	5797.750	102.55	-2.57	--	--	AV	221.00	100	Horizontal	N/A
5	9340.925	51.93	-0.24	74.0	22.07	Peak	30.00	150	Horizontal	Pass
5**	9340.925	42.88	-0.24	54.0	11.12	AV	30.00	150	Horizontal	Pass
6	11933.475	54.73	-0.18	74.0	19.27	Peak	13.00	100	Horizontal	Pass
6**	11933.475	44.25	-0.18	54.0	9.75	AV	13.00	100	Horizontal	Pass

11ac40, 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	1079.900	36.85	-18.97	74.0	37.15	Peak	108.00	400	Vertical	Pass
1**	1079.900	32.33	-18.97	54.0	21.67	AV	108.00	400	Vertical	Pass
2	2781.100	42.80	-11.91	74.0	31.20	Peak	126.00	200	Vertical	Pass
2**	2781.100	33.82	-11.91	54.0	20.18	AV	126.00	200	Vertical	Pass
3	4310.500	47.52	-6.11	74.0	26.48	Peak	196.00	100	Vertical	Pass
3**	4310.500	37.55	-6.11	54.0	16.45	AV	196.00	100	Vertical	Pass
4	5792.250	98.91	-2.59	--	--	Peak	218.00	100	Vertical	N/A
4**	5792.250	90.38	-2.59	--	--	AV	218.00	100	Vertical	N/A
5	9444.712	52.77	-1.06	74.0	21.23	Peak	210.00	150	Vertical	Pass
5**	9444.712	43.84	-1.06	54.0	10.16	AV	210.00	150	Vertical	Pass
6	12495.638	54.00	0.34	74.0	20.00	Peak	111.00	300	Vertical	Pass
6**	12495.638	44.74	0.34	54.0	9.26	AV	111.00	300	Vertical	Pass

11ac80, 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	1080.400	36.72	-18.91	74.0	37.28	Peak	135.00	200	Horizontal	Pass
1**	1080.400	31.07	-18.91	54.0	22.93	AV	135.00	200	Horizontal	Pass
2	2878.300	43.68	-11.72	74.0	30.32	Peak	21.00	100	Horizontal	Pass
2**	2878.300	32.84	-11.72	54.0	21.16	AV	21.00	100	Horizontal	Pass
3	4362.000	47.68	-6.00	74.0	26.32	Peak	360.00	150	Horizontal	Pass
3**	4362.000	38.18	-6.00	54.0	15.82	AV	360.00	150	Horizontal	Pass
4	5778.750	107.42	-2.22	--	--	Peak	233.00	300	Horizontal	N/A
4**	5778.750	99.59	-2.22	--	--	AV	233.00	300	Horizontal	N/A
5	9432.362	52.51	-0.99	74.0	21.49	Peak	313.00	150	Horizontal	Pass
5**	9432.362	42.71	-0.99	54.0	11.29	AV	313.00	150	Horizontal	Pass
6	12488.513	54.53	0.34	74.0	19.47	Peak	360.00	400	Horizontal	Pass
6**	12488.513	46.01	0.34	54.0	7.99	AV	360.00	400	Horizontal	Pass

11ac80, 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	1080.200	37.72	-18.93	74.0	36.28	Peak	41.00	400	Vertical	Pass
1**	1080.200	31.77	-18.93	54.0	22.23	AV	41.00	400	Vertical	Pass
2	2887.100	42.59	-11.61	74.0	31.41	Peak	140.00	200	Vertical	Pass
2**	2887.100	33.20	-11.61	54.0	20.80	AV	140.00	200	Vertical	Pass
3	4346.000	47.90	-5.34	74.0	26.10	Peak	187.00	200	Vertical	Pass
3**	4346.000	38.70	-5.34	54.0	15.30	AV	187.00	200	Vertical	Pass
4	5783.000	97.54	-2.30	--	--	Peak	232.00	100	Vertical	N/A
4**	5783.000	89.67	-2.30	--	--	AV	232.00	100	Vertical	N/A
5	9106.987	51.94	-2.34	74.0	22.06	Peak	346.00	100	Vertical	Pass
5**	9106.987	42.04	-2.34	54.0	11.96	AV	346.00	100	Vertical	Pass
6	12494.213	54.59	0.35	74.0	19.41	Peak	83.00	400	Vertical	Pass
6**	12494.213	45.24	0.35	54.0	8.76	AV	83.00	400	Vertical	Pass

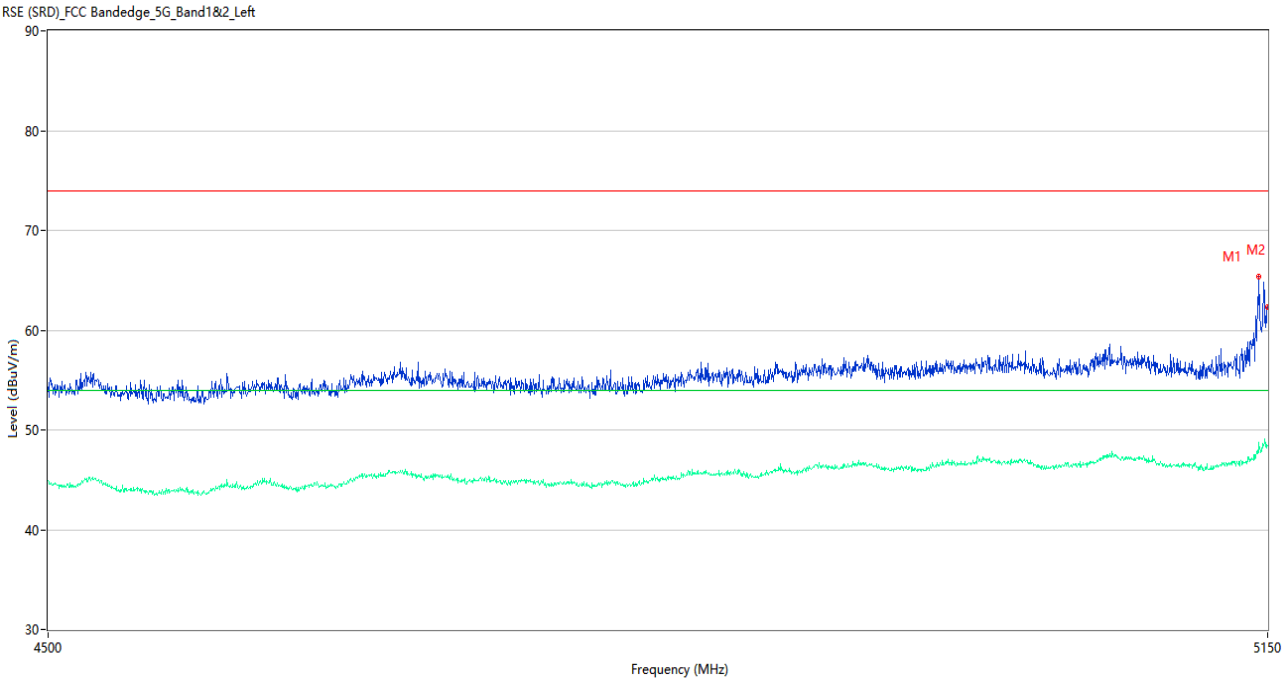
A.6.2 Band Edge (Restricted-band)

Test Band	Mode	Channel	Verdict
U-NII-1	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass
	802.11ac(VHT80)	Middle	Pass
U-NII-2A	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass
	802.11ac(VHT80)	Middle	Pass
U-NII-2C	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass
	802.11ac(VHT80)	Low	Pass
		High	Pass
U-NII-3	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass

	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass
	802.11ac(VHT80)	Middle	Pass

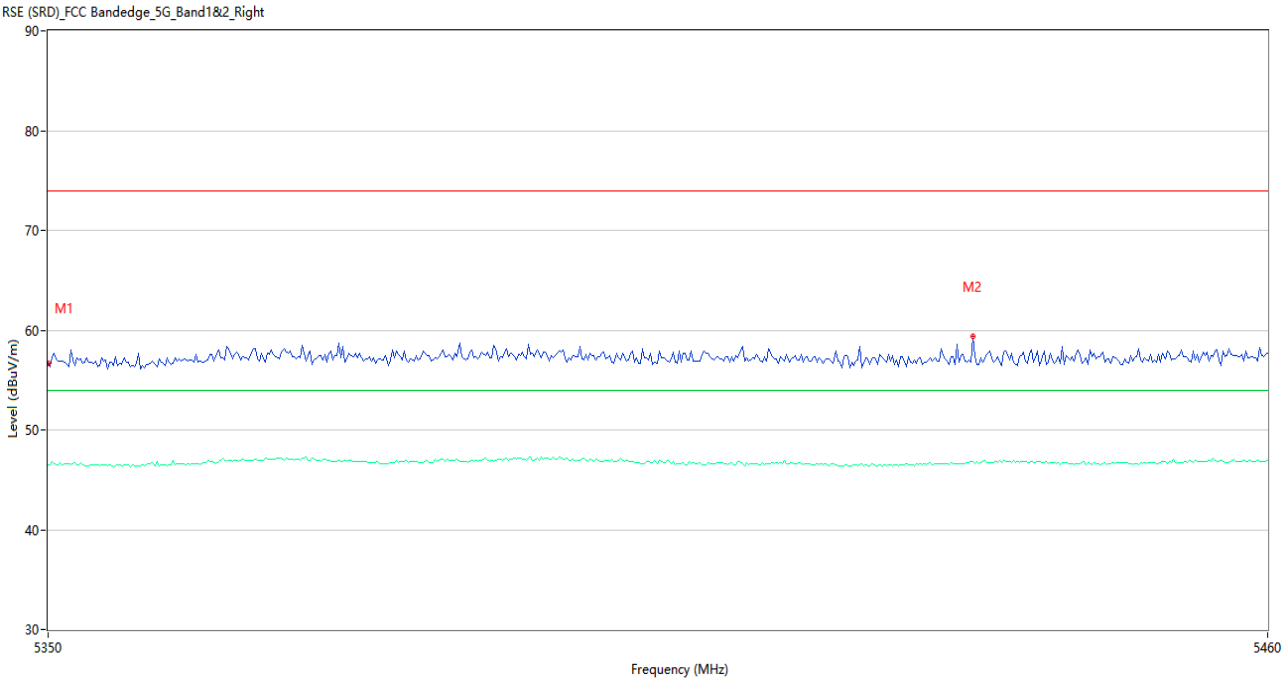
Test Data and Plots

U-NII-1 11a Low Channel



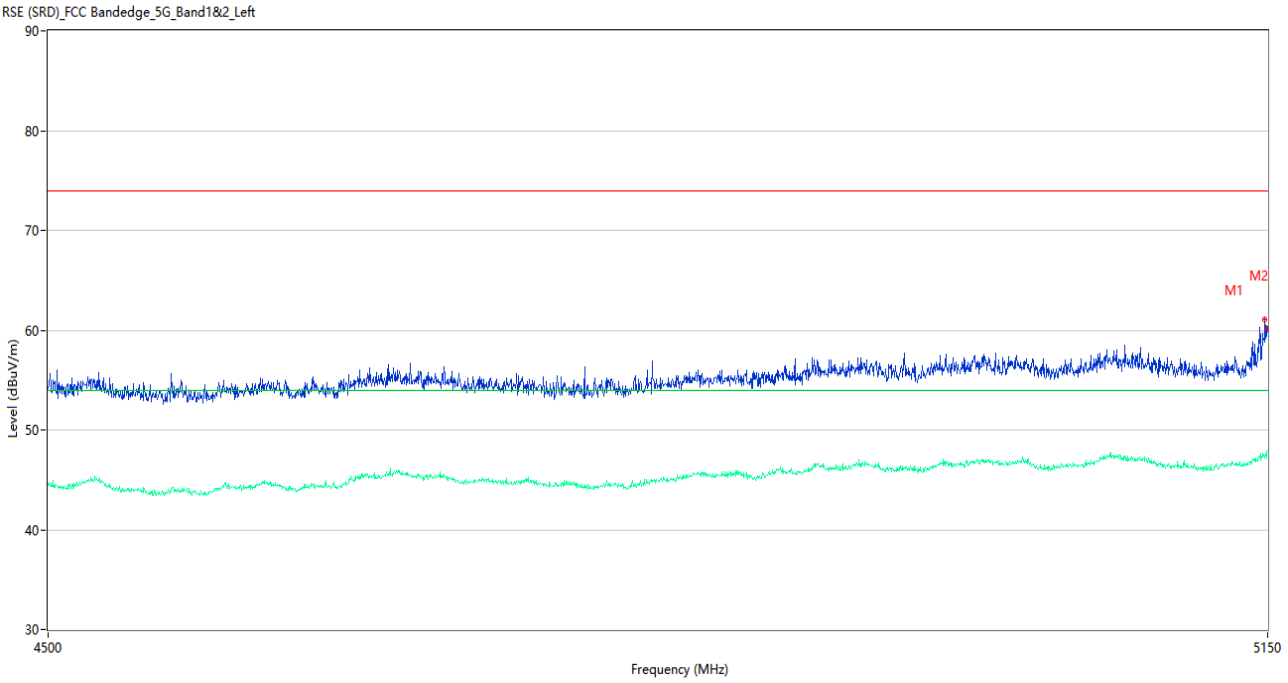
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5145.125	65.33	3.69	74.0	8.67	Peak	236.00	100	Horizontal	Pass
1**	5145.125	48.71	3.69	54.0	5.29	AV	236.00	100	Horizontal	Pass
2	5150.000	62.32	3.68	74.0	11.68	Peak	172.00	200	Horizontal	Pass
2**	5150.000	48.46	3.68	54.0	5.54	AV	172.00	200	Horizontal	Pass

U-NII-1 11a High Channel



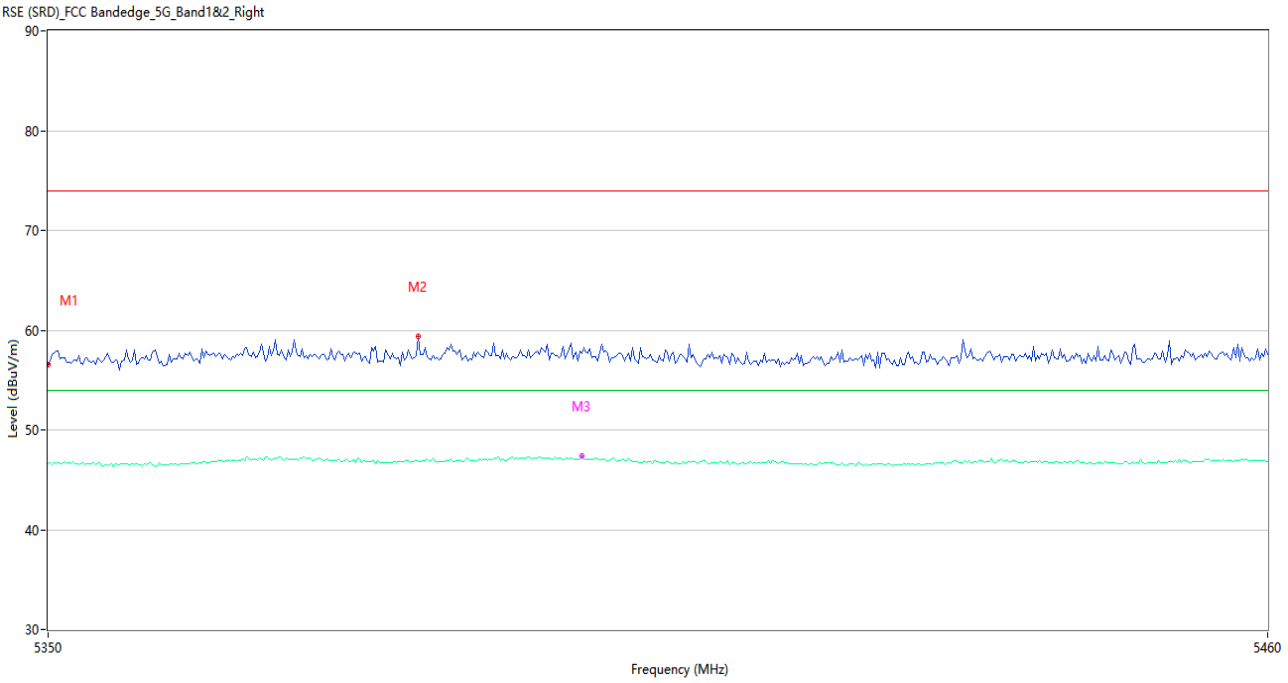
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.72	3.28	74.0	17.28	Peak	109.00	200	Horizontal	Pass
1**	5350.000	46.44	3.28	54.0	7.56	AV	109.00	200	Horizontal	Pass
2	5433.233	59.39	4.16	74.0	14.61	Peak	7.00	100	Horizontal	Pass
2**	5433.233	46.79	4.16	54.0	7.21	AV	7.00	100	Horizontal	Pass

U-NII-1 11n20 Low Channel



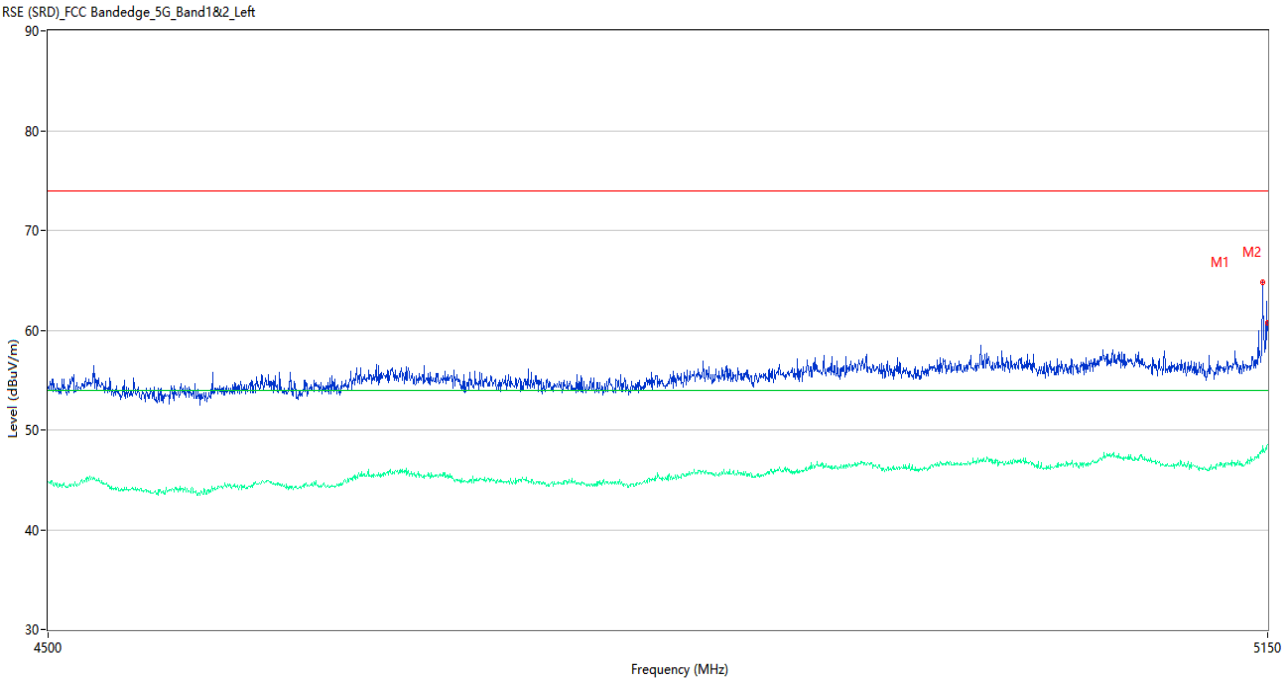
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5148.375	61.08	3.70	74.0	12.92	Peak	219.00	100	Horizontal	Pass
1**	5148.375	47.31	3.70	54.0	6.69	AV	219.00	100	Horizontal	Pass
2	5150.000	60.15	3.68	74.0	13.85	Peak	222.00	100	Horizontal	Pass
2**	5150.000	47.94	3.68	54.0	6.06	AV	222.00	100	Horizontal	Pass

U-NII-1 11n20 High Channel



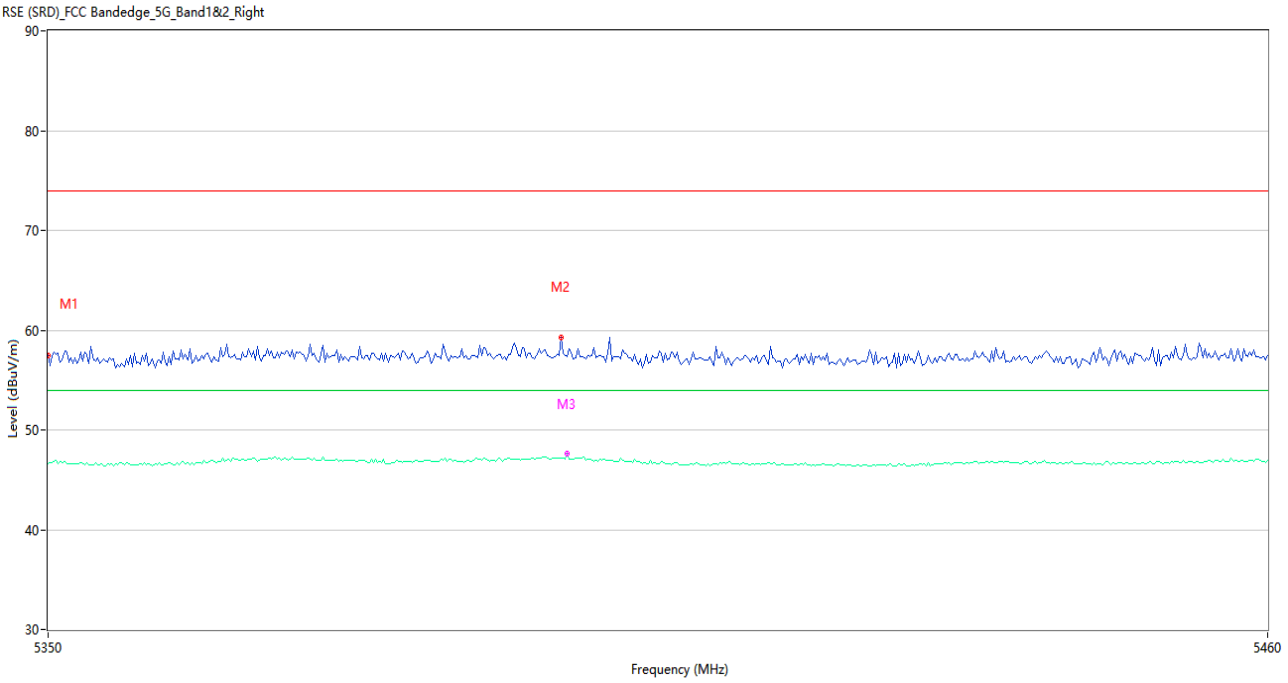
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.61	3.28	74.0	17.39	Peak	272.00	200	Horizontal	Pass
1**	5350.000	46.65	3.28	54.0	7.35	AV	272.00	200	Horizontal	Pass
2	5383.183	59.38	4.33	74.0	14.62	Peak	0.00	200	Horizontal	Pass
2**	5383.183	46.87	4.33	54.0	7.13	AV	0.00	200	Horizontal	Pass
3	5397.850	57.64	4.25	74.0	16.36	Peak	211.00	100	Horizontal	Pass
3**	5397.850	47.35	4.25	54.0	6.65	AV	211.00	100	Horizontal	Pass

U-NII-1 11n40 Low Channel



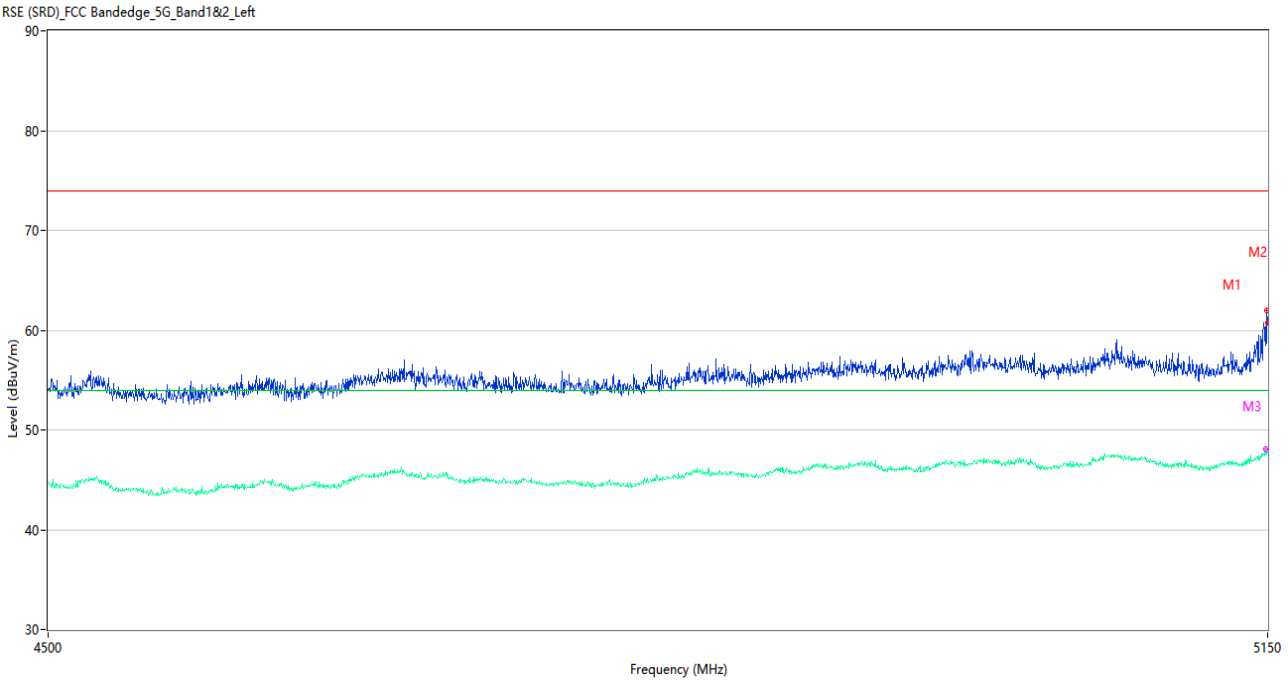
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5147.075	64.76	3.70	74.0	9.24	Peak	235.00	200	Horizontal	Pass
1**	5147.075	47.79	3.70	54.0	6.21	AV	235.00	200	Horizontal	Pass
2	5150.000	60.69	3.68	74.0	13.31	Peak	0.00	100	Horizontal	Pass
2**	5150.000	48.54	3.68	54.0	5.46	AV	0.00	100	Horizontal	Pass

U-NII-1 11n40 High Channel



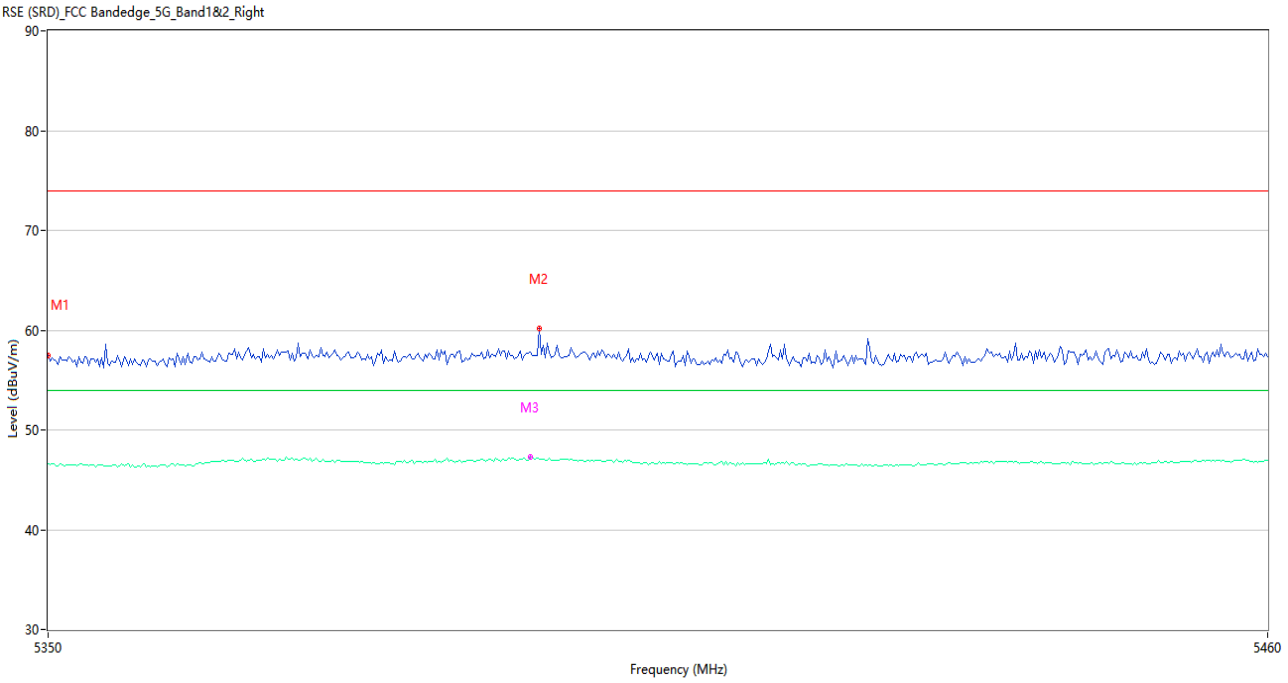
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	57.43	3.28	74.0	16.57	Peak	291.00	150	Horizontal	Pass
1**	5350.000	46.66	3.28	54.0	7.34	AV	291.00	150	Horizontal	Pass
2	5396.017	59.30	4.30	74.0	14.70	Peak	200.00	150	Horizontal	Pass
2**	5396.017	47.15	4.30	54.0	6.85	AV	200.00	150	Horizontal	Pass
3	5396.567	57.36	4.30	74.0	16.64	Peak	206.00	100	Horizontal	Pass
3**	5396.567	47.60	4.30	54.0	6.40	AV	206.00	100	Horizontal	Pass

U-NII-1 11ac20 Low Channel



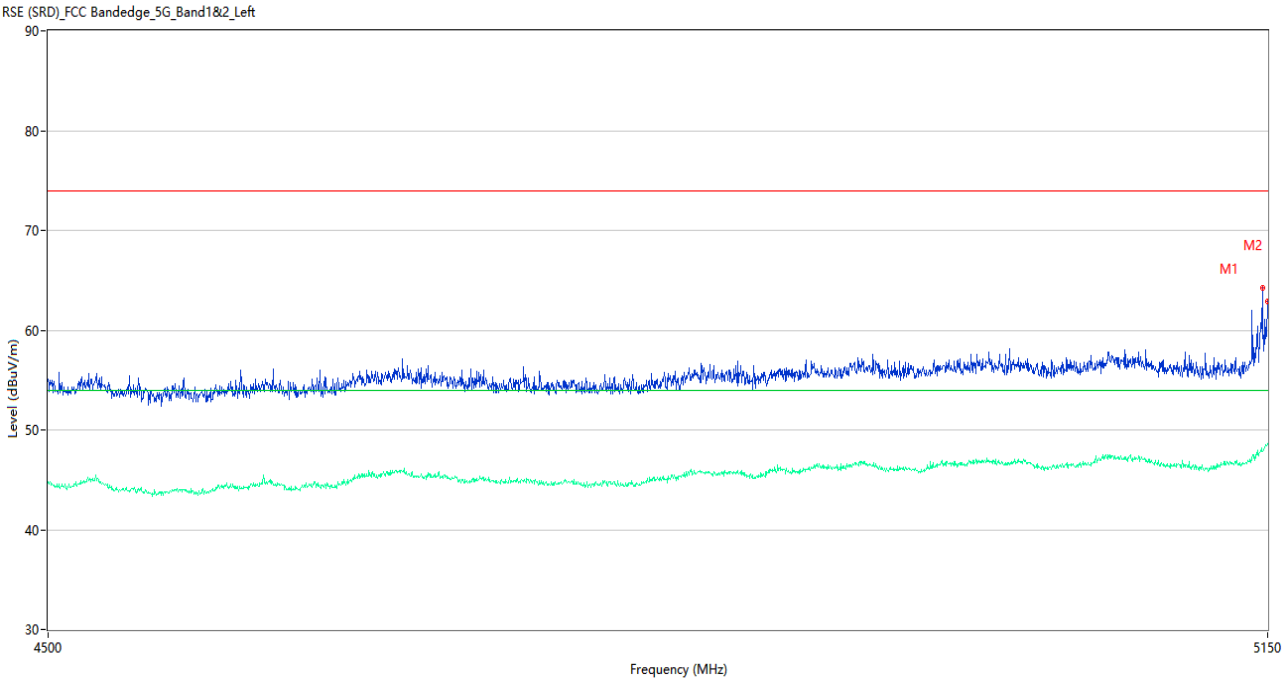
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5149.675	61.97	3.66	74.0	12.03	Peak	221.00	200	Horizontal	Pass
1**	5149.675	47.59	3.66	54.0	6.41	AV	221.00	200	Horizontal	Pass
2	5150.000	60.72	3.68	74.0	13.28	Peak	254.00	200	Horizontal	Pass
2**	5150.000	47.73	3.68	54.0	6.27	AV	254.00	200	Horizontal	Pass
3	5148.700	60.40	3.69	74.0	13.60	Peak	227.00	100	Horizontal	Pass
3**	5148.700	48.07	3.69	54.0	5.93	AV	227.00	100	Horizontal	Pass

U-NII-1 11ac20 High Channel



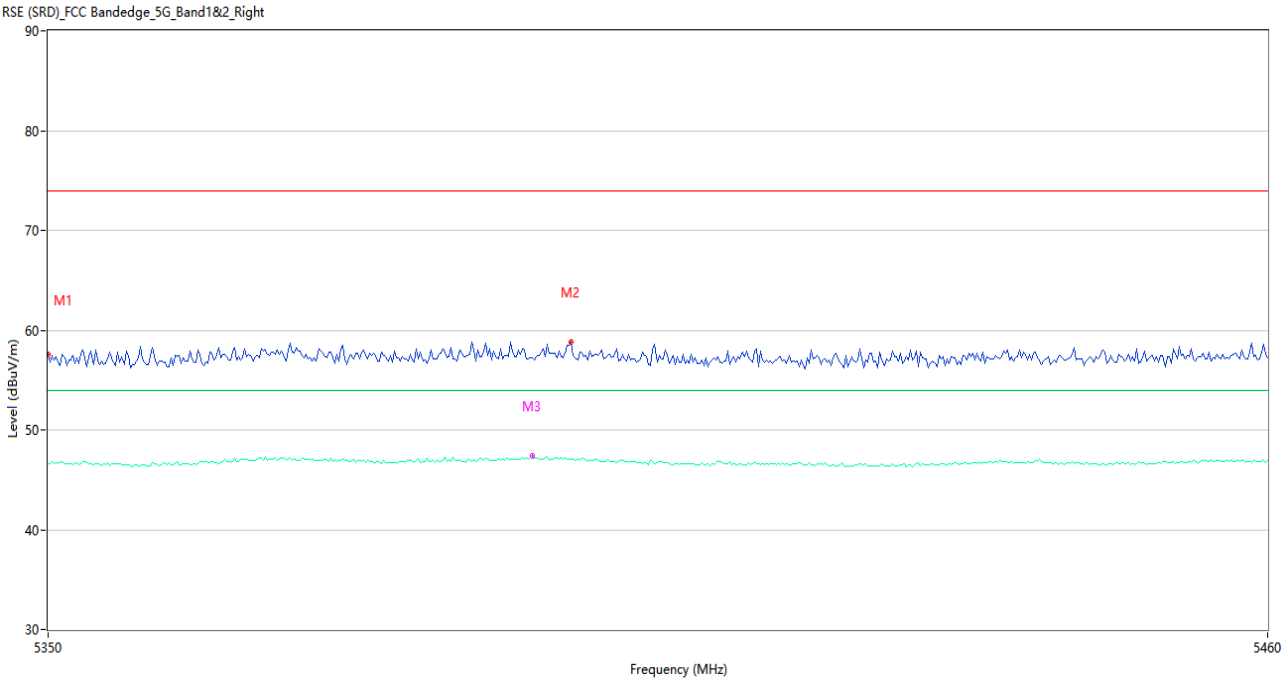
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	57.48	3.28	74.0	16.52	Peak	65.00	200	Horizontal	Pass
1**	5350.000	46.60	3.28	54.0	7.40	AV	65.00	200	Horizontal	Pass
2	5394.000	60.15	4.32	74.0	13.85	Peak	346.00	150	Horizontal	Pass
2**	5394.000	47.10	4.32	54.0	6.90	AV	346.00	150	Horizontal	Pass
3	5393.267	57.75	4.28	74.0	16.25	Peak	260.00	100	Horizontal	Pass
3**	5393.267	47.25	4.28	54.0	6.75	AV	260.00	100	Horizontal	Pass

U-NII-1 11ac40 Low Channel



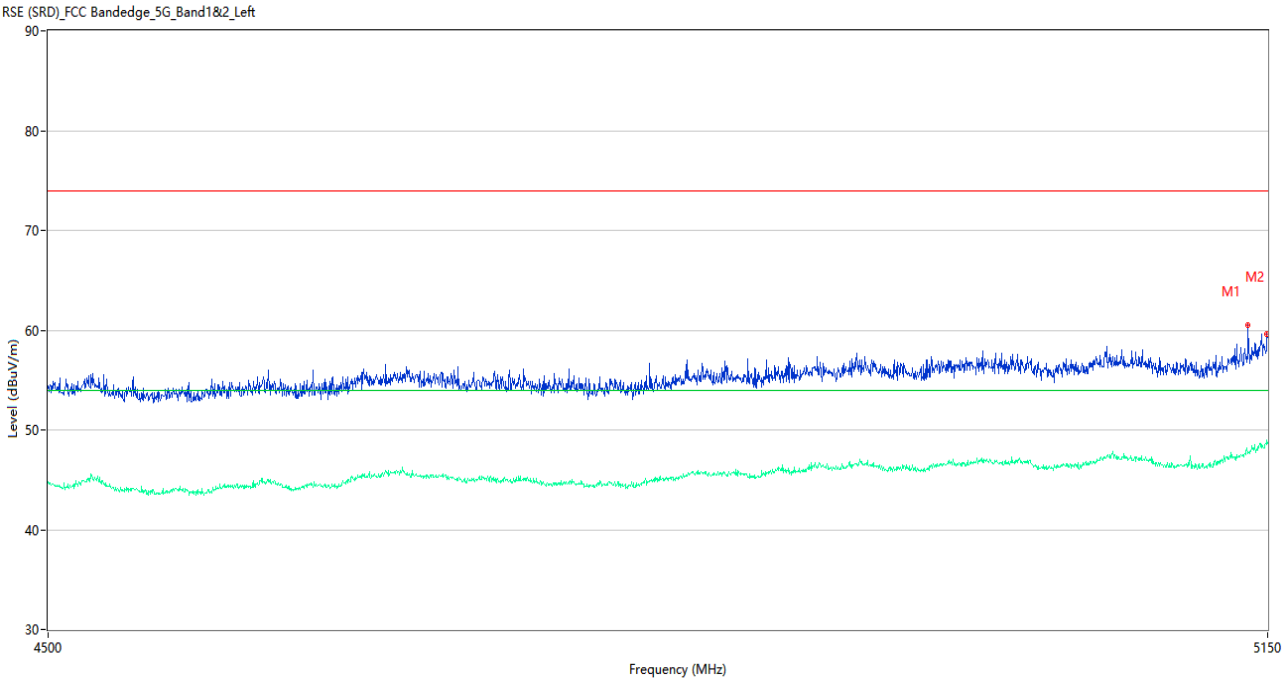
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5147.075	64.23	3.70	74.0	9.77	Peak	316.00	150	Horizontal	Pass
1**	5147.075	47.90	3.70	54.0	6.10	AV	316.00	150	Horizontal	Pass
2	5150.000	62.86	3.68	74.0	11.14	Peak	222.00	150	Horizontal	Pass
2**	5150.000	48.65	3.68	54.0	5.35	AV	222.00	150	Horizontal	Pass

U-NII-1 11ac40 High Channel



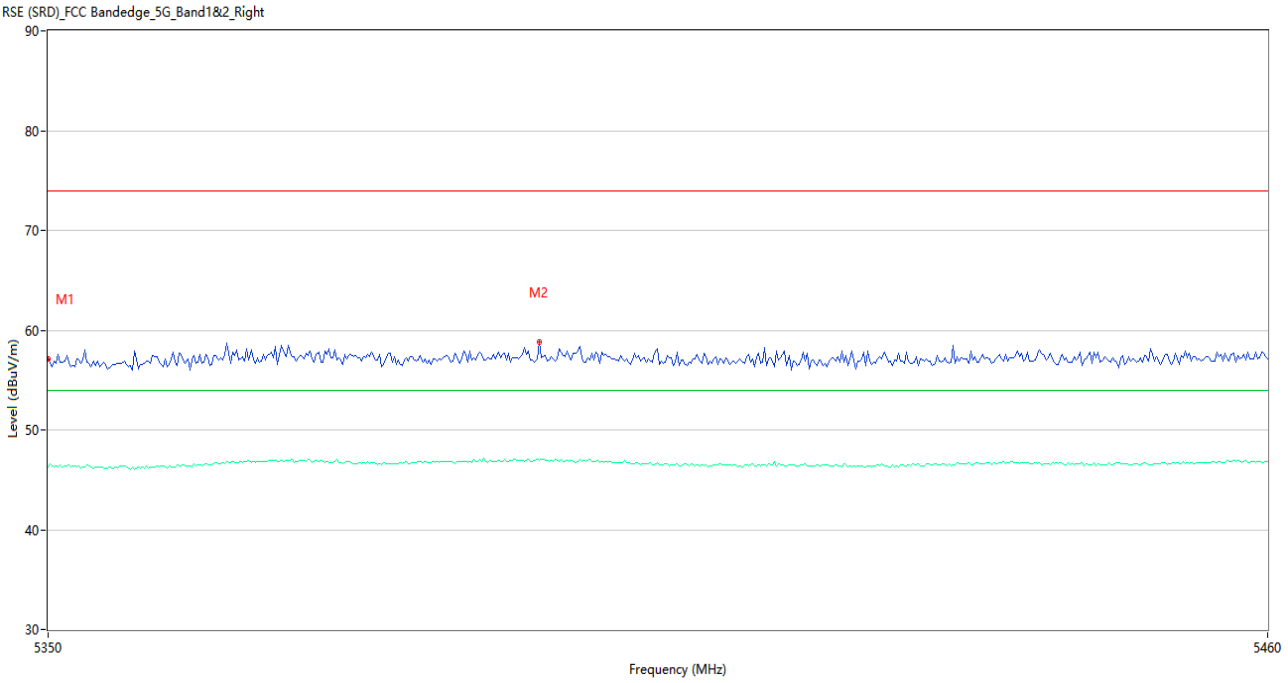
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	57.55	3.28	74.0	16.45	Peak	220.00	150	Horizontal	Pass
1**	5350.000	46.58	3.28	54.0	7.42	AV	220.00	150	Horizontal	Pass
2	5396.933	58.81	4.29	74.0	15.19	Peak	223.00	150	Horizontal	Pass
2**	5396.933	47.08	4.29	54.0	6.92	AV	223.00	150	Horizontal	Pass
3	5393.450	57.26	4.29	74.0	16.74	Peak	291.00	100	Horizontal	Pass
3**	5393.450	47.35	4.29	54.0	6.65	AV	291.00	100	Horizontal	Pass

U-NII-1 11ac80 Middle Channel



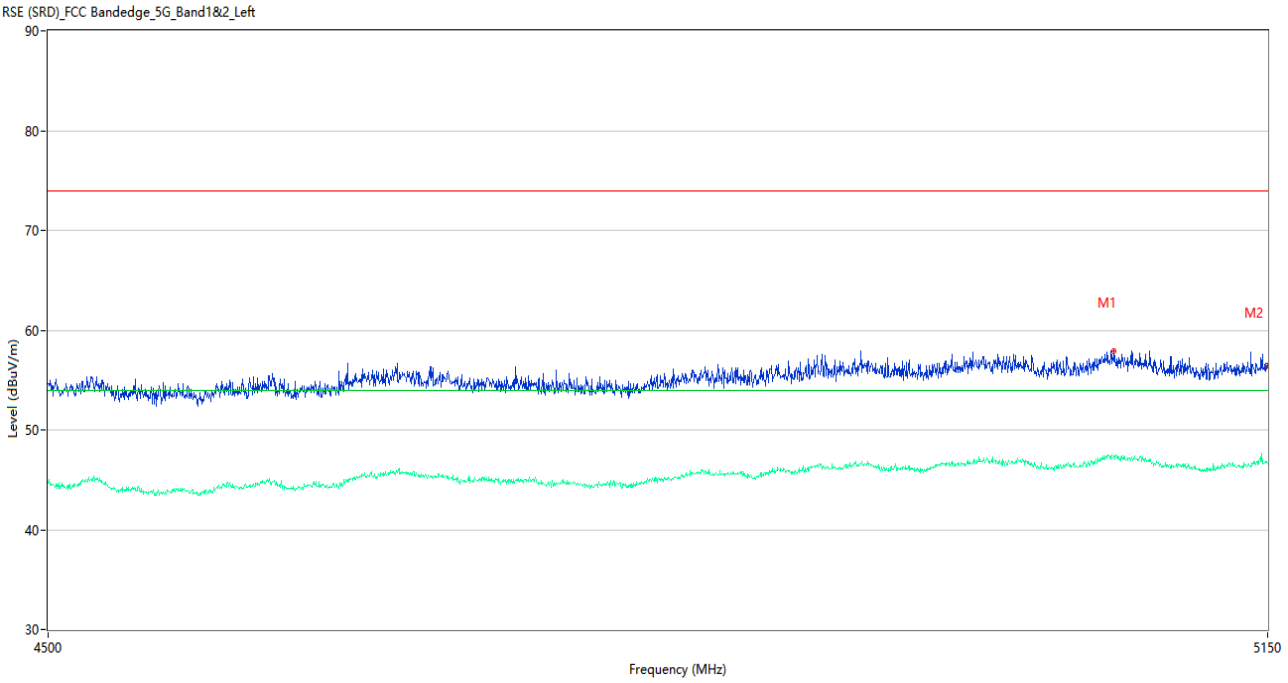
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5138.950	60.52	3.73	74.0	13.48	Peak	228.00	200	Horizontal	Pass
1**	5138.950	47.67	3.73	54.0	6.33	AV	228.00	200	Horizontal	Pass
2	5149.675	59.61	3.66	74.0	14.39	Peak	214.00	100	Horizontal	Pass
2**	5149.675	48.95	3.66	54.0	5.05	AV	214.00	100	Horizontal	Pass

U-NII-1 11ac80 Middle Channel



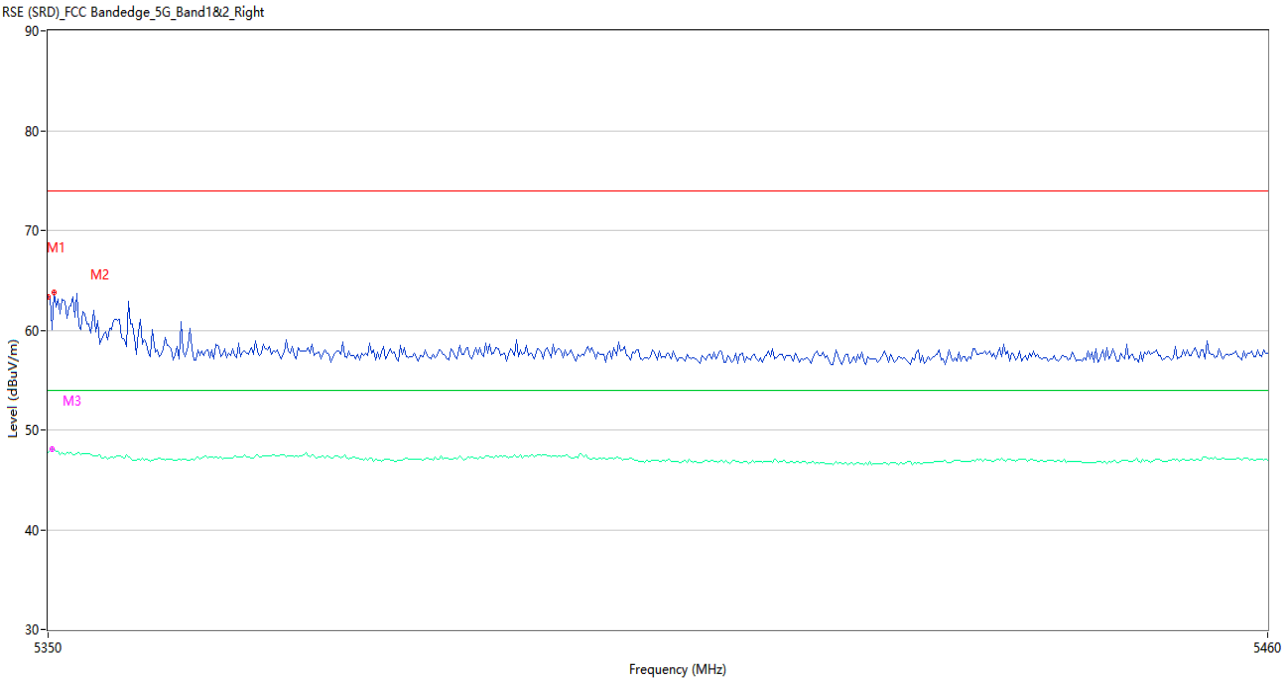
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	57.12	3.28	74.0	16.88	Peak	225.00	100	Horizontal	Pass
1**	5350.000	46.24	3.28	54.0	7.76	AV	225.00	100	Horizontal	Pass
2	5394.000	58.83	4.32	74.0	15.17	Peak	338.00	100	Horizontal	Pass
2**	5394.000	46.99	4.32	54.0	7.01	AV	338.00	100	Horizontal	Pass

U-NII-2A 11a Low Channel



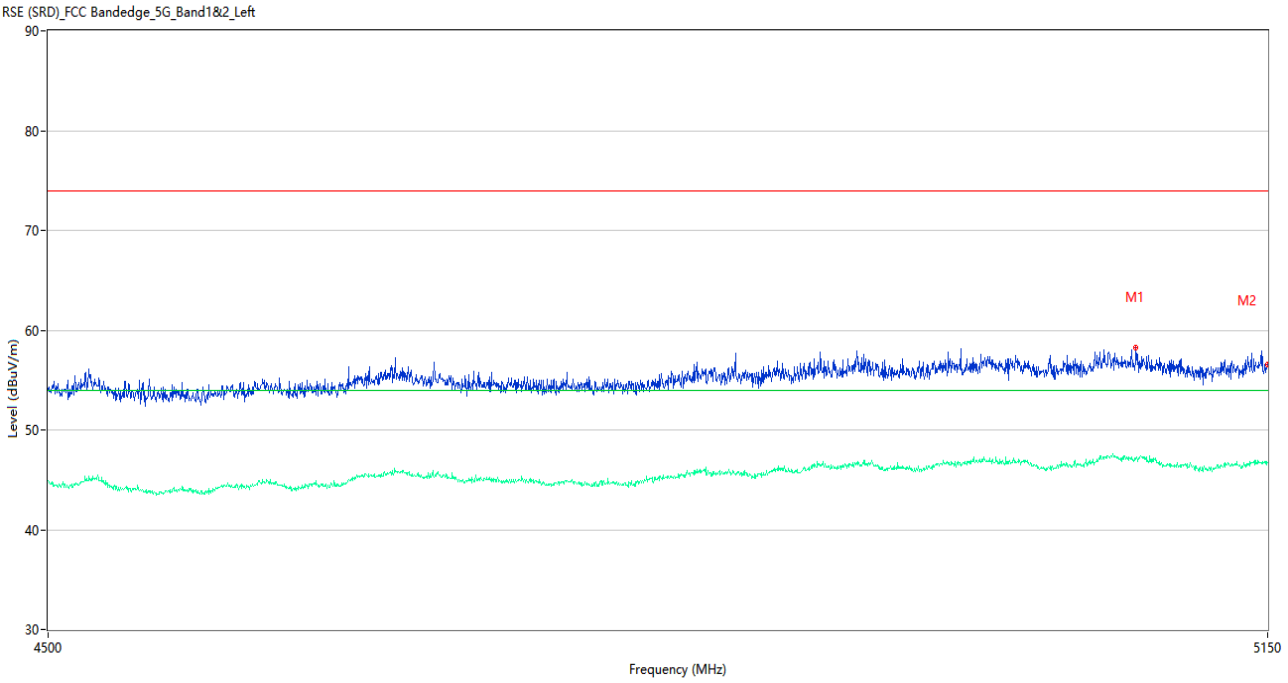
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5063.225	57.96	4.78	74.0	16.04	Peak	333.00	100	Horizontal	Pass
1**	5063.225	47.35	4.78	54.0	6.65	AV	333.00	100	Horizontal	Pass
2	5150.000	56.49	3.68	74.0	17.51	Peak	65.00	200	Horizontal	Pass
2**	5150.000	46.63	3.68	54.0	7.37	AV	65.00	200	Horizontal	Pass

U-NII-2A 11a High Channel



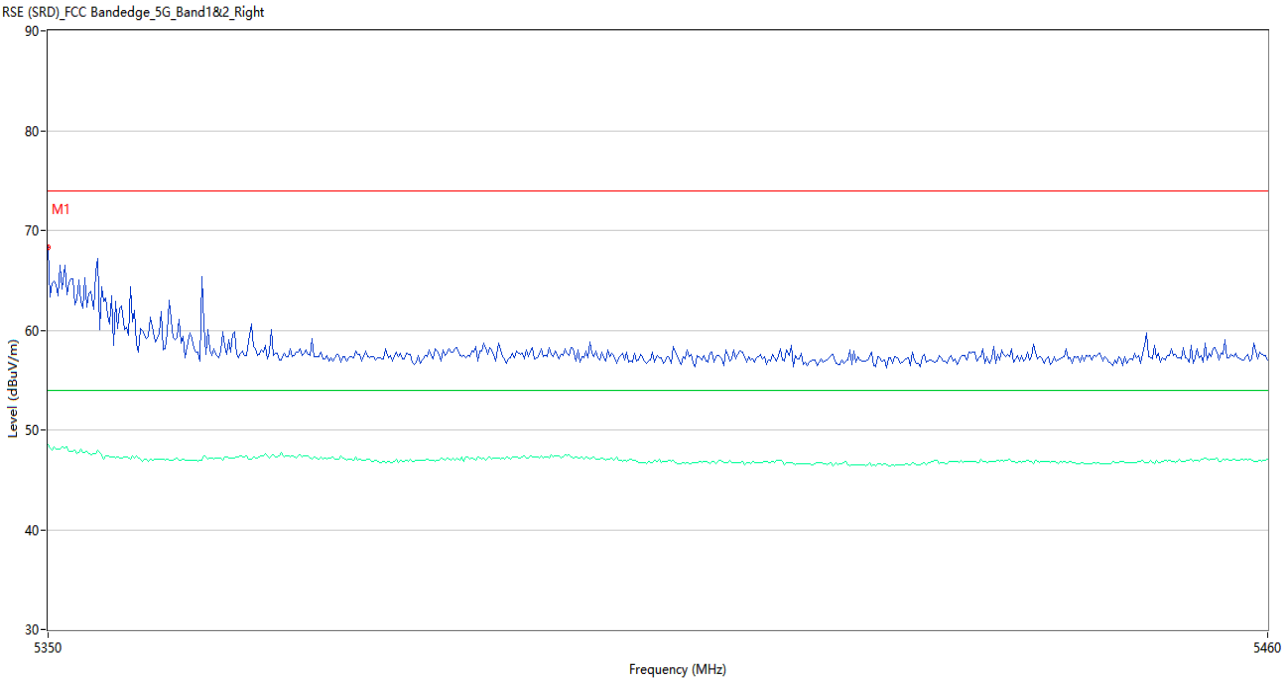
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	63.34	3.28	74.0	10.66	Peak	227.00	150	Horizontal	Pass
1**	5350.000	47.69	3.28	54.0	6.31	AV	227.00	150	Horizontal	Pass
2	5350.550	63.76	3.31	74.0	10.24	Peak	227.00	100	Horizontal	Pass
2**	5350.550	48.04	3.31	54.0	5.96	AV	227.00	100	Horizontal	Pass
3	5350.367	60.09	3.30	74.0	13.91	Peak	215.00	100	Horizontal	Pass
3**	5350.367	48.05	3.30	54.0	5.95	AV	215.00	100	Horizontal	Pass

U-NII-2A 11n20 Low Channel



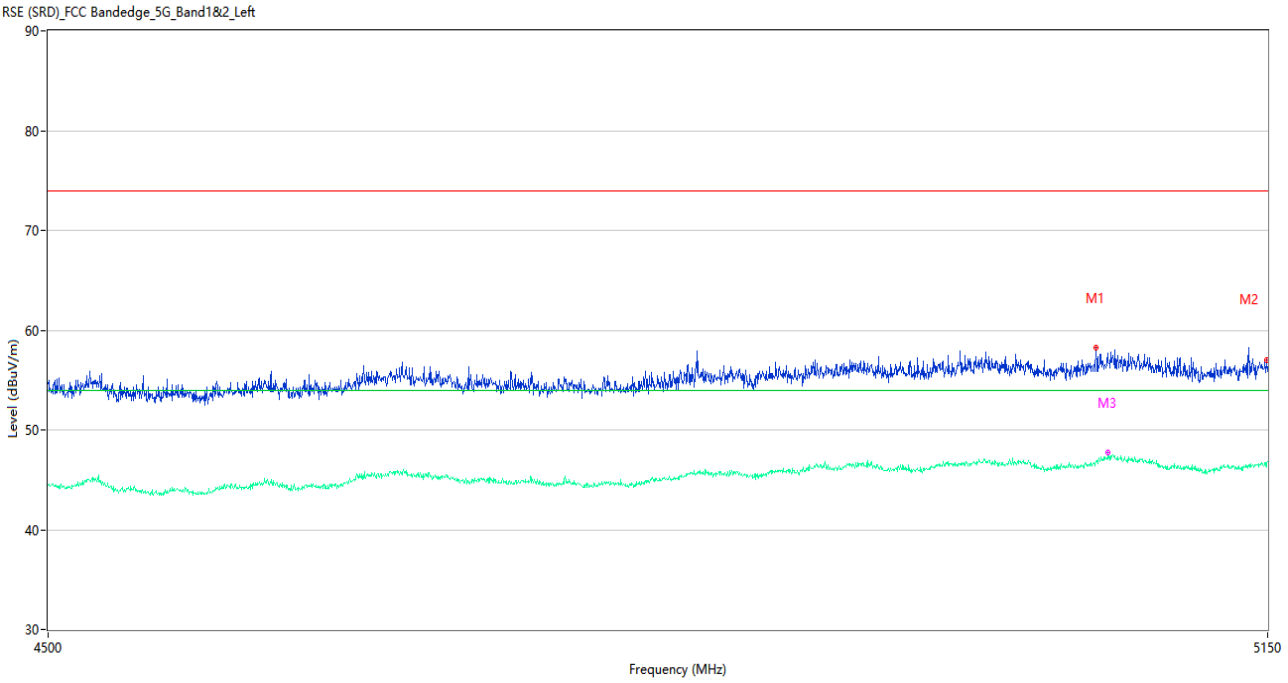
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5075.575	58.30	4.50	74.0	15.70	Peak	327.00	200	Horizontal	Pass
1**	5075.575	47.17	4.50	54.0	6.83	AV	327.00	200	Horizontal	Pass
2	5150.000	56.59	3.68	74.0	17.41	Peak	293.00	100	Horizontal	Pass
2**	5150.000	46.74	3.68	54.0	7.26	AV	293.00	100	Horizontal	Pass

U-NII-2A 11n20 High Channel



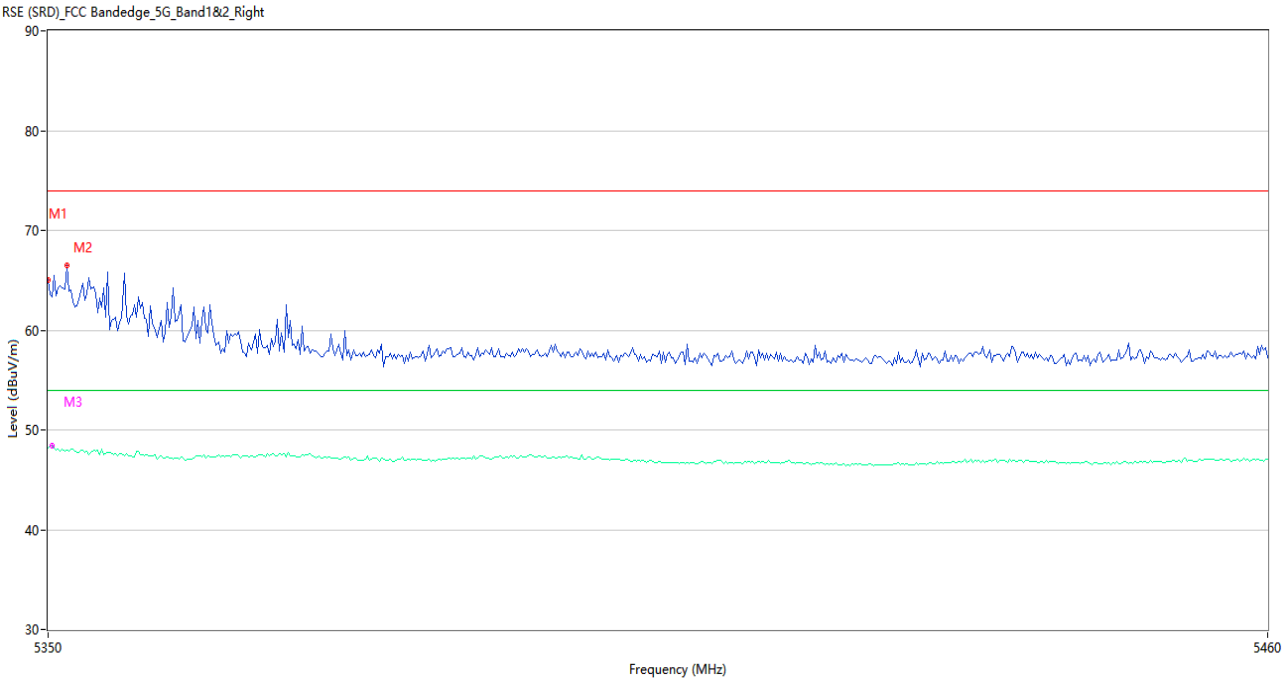
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	68.33	3.28	74.0	5.67	Peak	248.00	100	Horizontal	Pass
1**	5350.000	48.56	3.28	54.0	5.44	AV	248.00	100	Horizontal	Pass

U-NII-2A 11n40 Low Channel



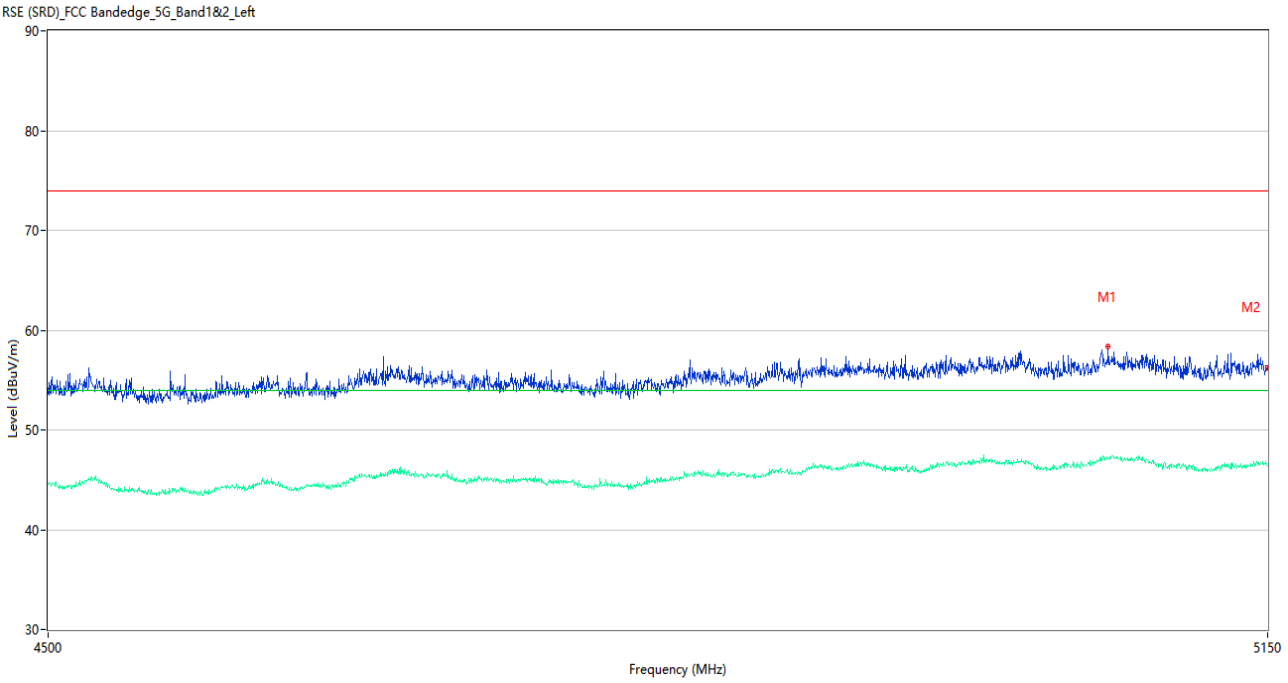
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5053.150	58.27	4.25	74.0	15.73	Peak	276.00	150	Horizontal	Pass
1**	5053.150	46.89	4.25	54.0	7.11	AV	276.00	150	Horizontal	Pass
2	5149.675	57.05	3.66	74.0	16.95	Peak	68.00	100	Horizontal	Pass
2**	5149.675	46.59	3.66	54.0	7.41	AV	68.00	100	Horizontal	Pass
3	5059.975	56.95	4.72	74.0	17.05	Peak	166.00	100	Horizontal	Pass
3**	5059.975	47.72	4.72	54.0	6.28	AV	166.00	100	Horizontal	Pass

U-NII-2A 11n40 High Channel



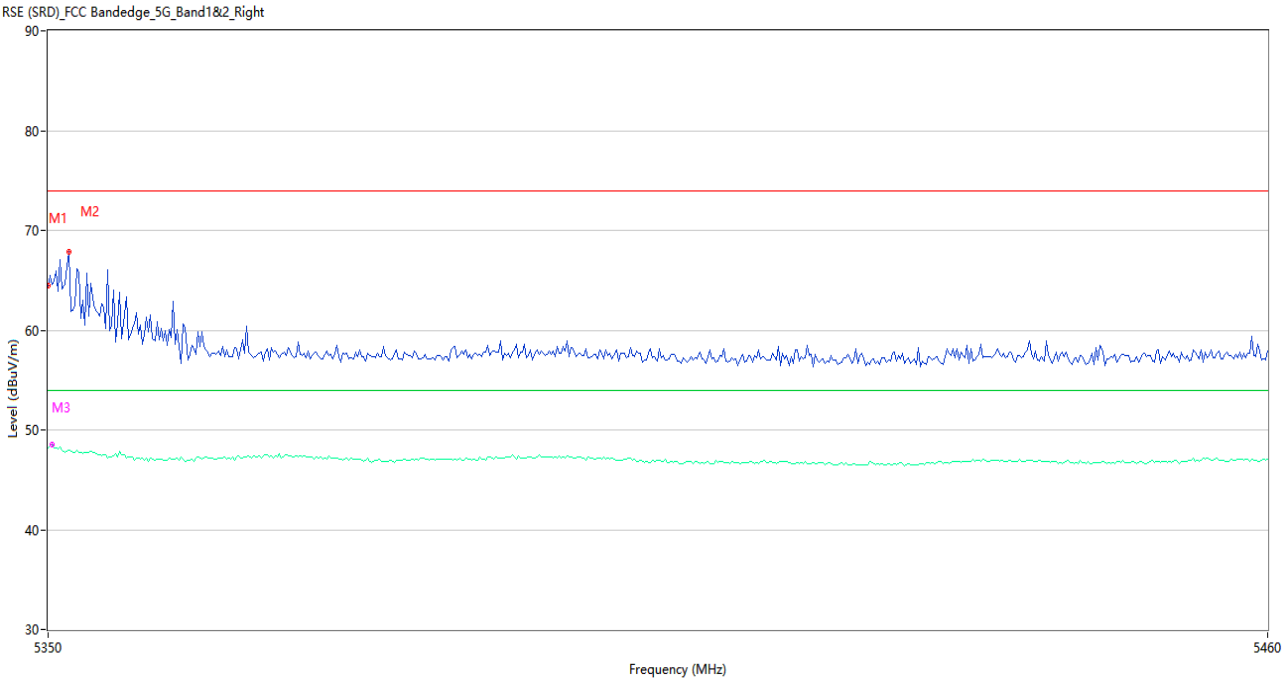
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	65.07	3.28	74.0	8.93	Peak	292.00	100	Horizontal	Pass
1**	5350.000	48.16	3.28	54.0	5.84	AV	292.00	100	Horizontal	Pass
2	5351.650	66.46	3.29	74.0	7.54	Peak	239.00	150	Horizontal	Pass
2**	5351.650	47.94	3.29	54.0	6.06	AV	239.00	150	Horizontal	Pass
3	5350.367	63.29	3.30	74.0	10.71	Peak	273.00	100	Horizontal	Pass
3**	5350.367	48.45	3.30	54.0	5.55	AV	273.00	100	Horizontal	Pass

U-NII-2A 11ac20 Low Channel



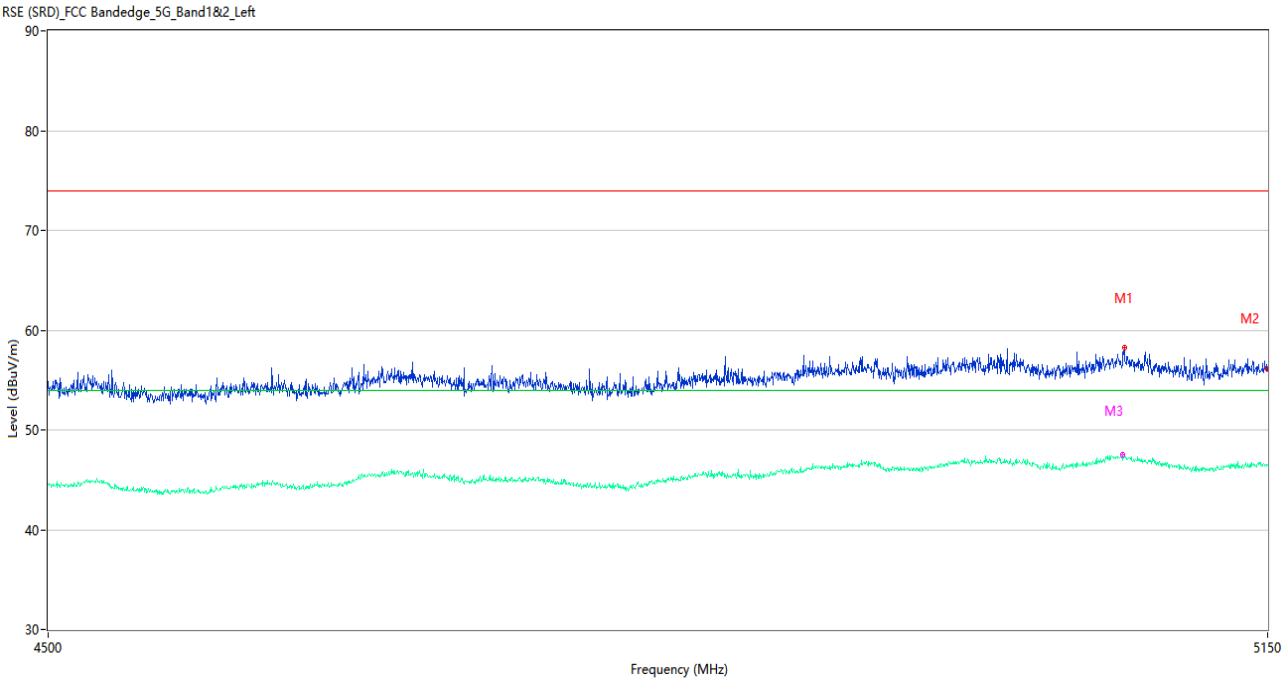
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5059.975	58.38	4.72	74.0	15.62	Peak	240.00	200	Horizontal	Pass
1**	5059.975	47.30	4.72	54.0	6.70	AV	240.00	200	Horizontal	Pass
2	5150.000	56.19	3.68	74.0	17.81	Peak	251.00	100	Horizontal	Pass
2**	5150.000	46.43	3.68	54.0	7.57	AV	251.00	100	Horizontal	Pass

U-NII-2A 11ac20 High Channel



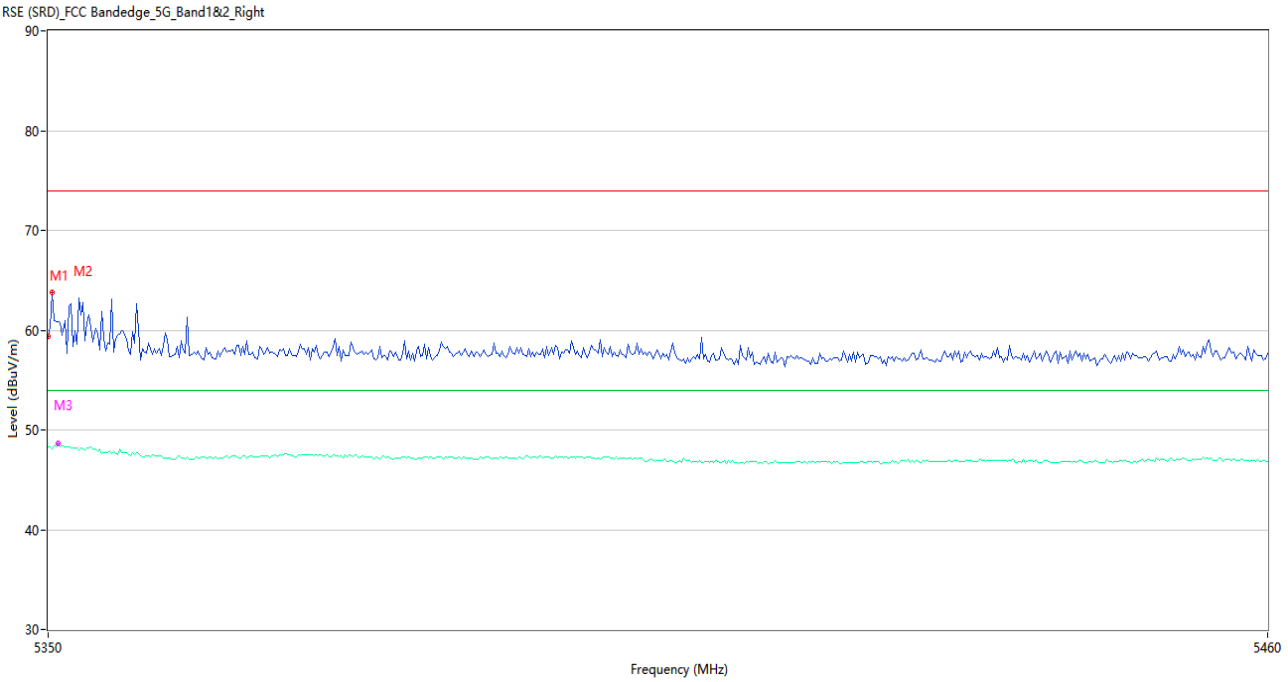
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	64.47	3.28	74.0	9.53	Peak	209.00	100	Horizontal	Pass
1**	5350.000	48.20	3.28	54.0	5.80	AV	209.00	100	Horizontal	Pass
2	5351.834	67.87	3.28	74.0	6.13	Peak	223.00	200	Horizontal	Pass
2**	5351.834	47.97	3.28	54.0	6.03	AV	223.00	200	Horizontal	Pass
3	5350.367	64.55	3.30	74.0	9.45	Peak	194.00	100	Horizontal	Pass
3**	5350.367	48.51	3.30	54.0	5.49	AV	194.00	100	Horizontal	Pass

U-NII-2A 11ac40 Low Channel



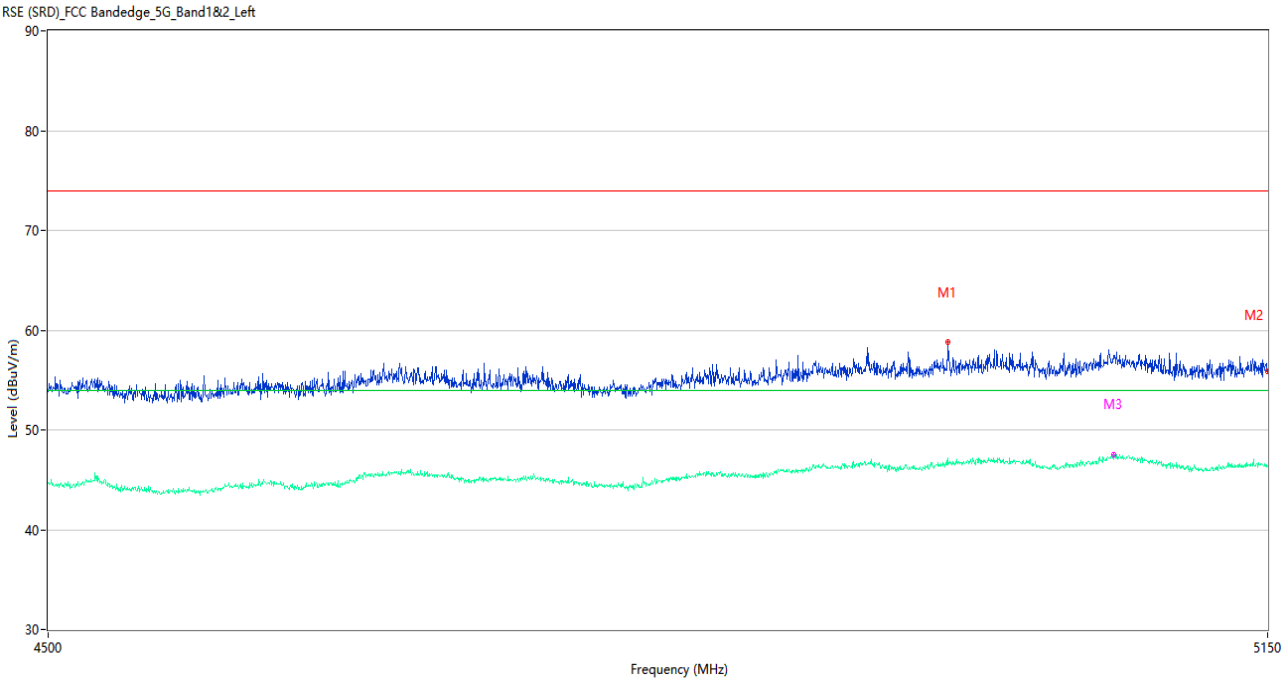
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5069.075	58.22	4.80	74.0	15.78	Peak	328.00	150	Horizontal	Pass
1**	5069.075	47.43	4.80	54.0	6.57	AV	328.00	150	Horizontal	Pass
2	5150.000	56.08	3.68	74.0	17.92	Peak	347.00	150	Horizontal	Pass
2**	5150.000	46.47	3.68	54.0	7.53	AV	347.00	150	Horizontal	Pass
3	5068.100	57.74	4.79	74.0	16.26	Peak	358.00	150	Horizontal	Pass
3**	5068.100	47.47	4.79	54.0	6.53	AV	358.00	150	Horizontal	Pass

U-NII-2A 11ac40 High Channel



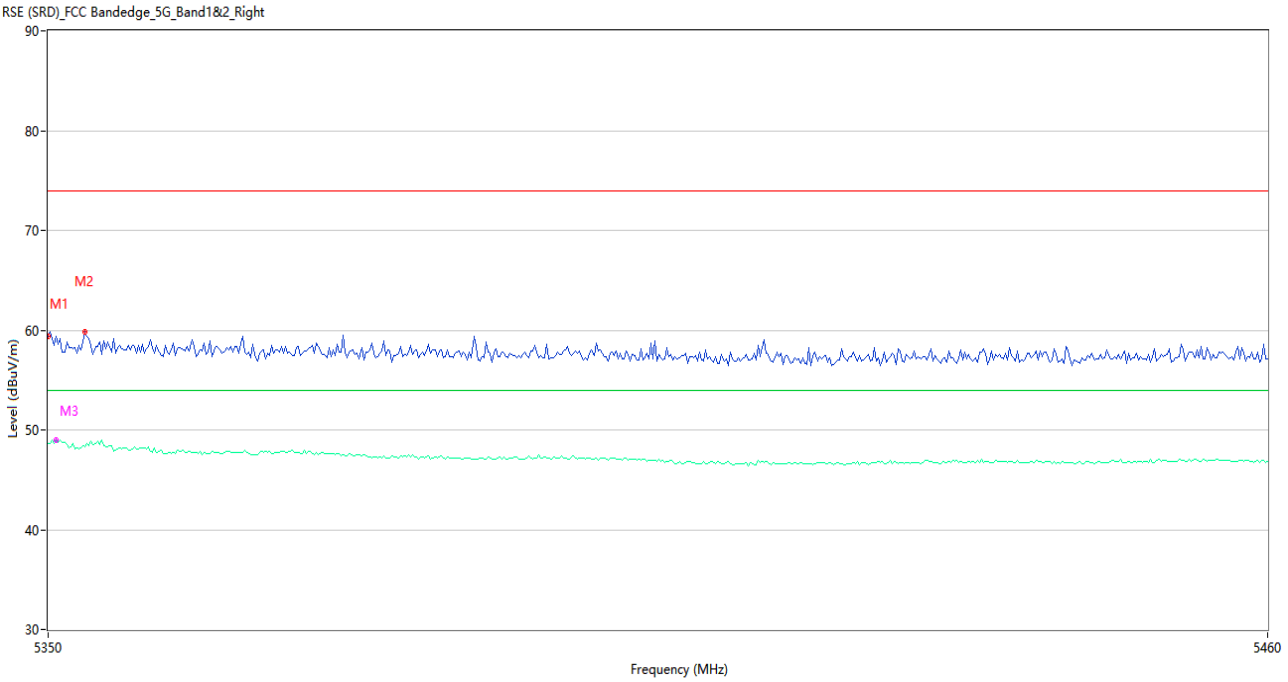
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	59.34	3.28	74.0	14.66	Peak	231.00	200	Horizontal	Pass
1**	5350.000	48.35	3.28	54.0	5.65	AV	231.00	200	Horizontal	Pass
2	5350.367	63.80	3.30	74.0	10.20	Peak	218.00	100	Horizontal	Pass
2**	5350.367	48.13	3.30	54.0	5.87	AV	218.00	100	Horizontal	Pass
3	5350.917	60.88	3.31	74.0	13.12	Peak	241.00	150	Horizontal	Pass
3**	5350.917	48.64	3.31	54.0	5.36	AV	241.00	150	Horizontal	Pass

U-NII-2A 11ac80 Middle Channel



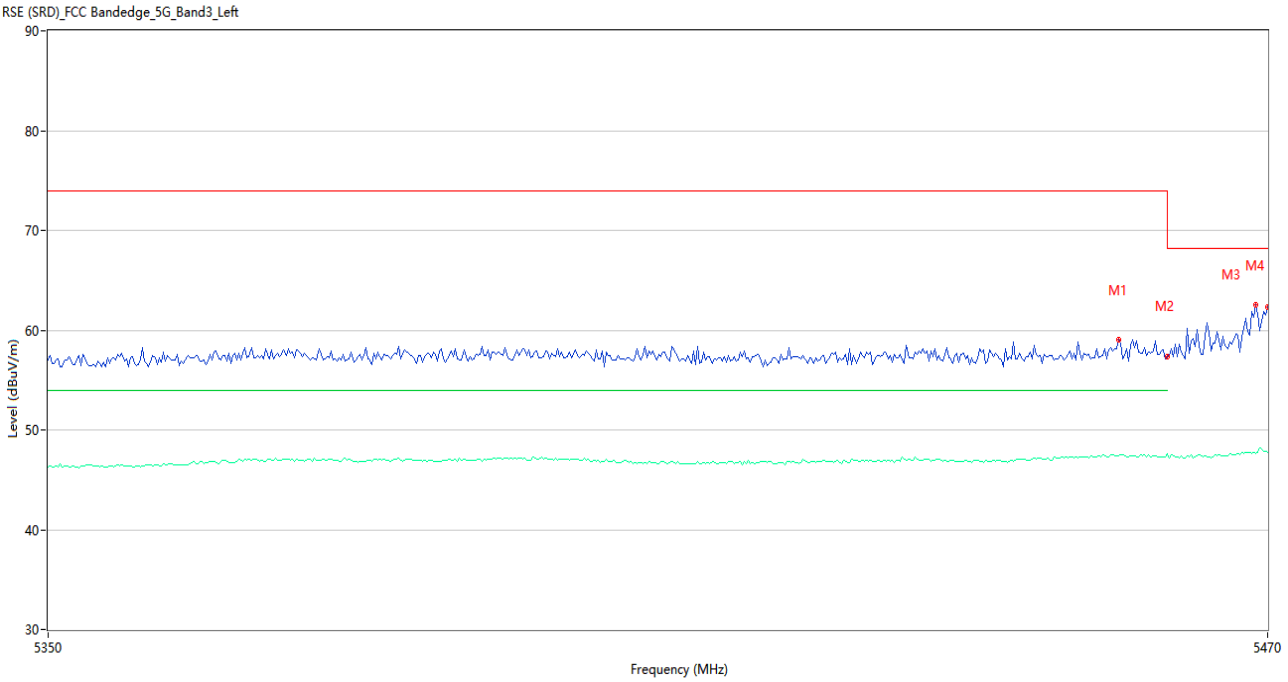
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	4971.250	58.80	3.96	74.0	15.20	Peak	177.00	100	Horizontal	Pass
1**	4971.250	46.52	3.96	54.0	7.48	AV	177.00	100	Horizontal	Pass
2	5150.000	55.84	3.68	74.0	18.16	Peak	117.00	200	Horizontal	Pass
2**	5150.000	46.41	3.68	54.0	7.59	AV	117.00	200	Horizontal	Pass
3	5062.900	57.48	4.81	74.0	16.52	Peak	61.00	150	Horizontal	Pass
3**	5062.900	47.56	4.81	54.0	6.44	AV	61.00	150	Horizontal	Pass

U-NII-2A 11ac80 Middle Channel



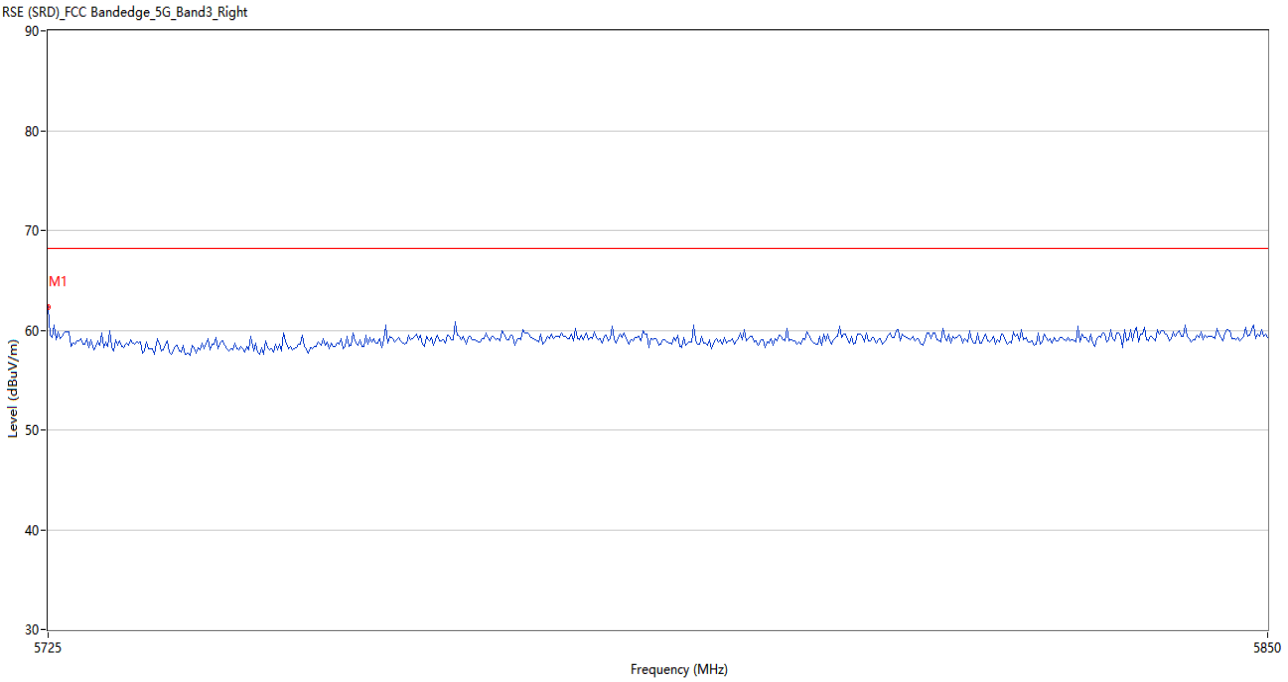
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	59.37	3.28	74.0	14.63	Peak	218.00	200	Horizontal	Pass
1**	5350.000	48.66	3.28	54.0	5.34	AV	218.00	200	Horizontal	Pass
2	5353.300	59.88	3.29	74.0	14.12	Peak	221.00	150	Horizontal	Pass
2**	5353.300	48.31	3.29	54.0	5.69	AV	221.00	150	Horizontal	Pass
3	5350.733	59.37	3.31	74.0	14.63	Peak	246.00	150	Horizontal	Pass
3**	5350.733	49.00	3.31	54.0	5.00	AV	246.00	150	Horizontal	Pass

U-NII-2C 11a Low Channel



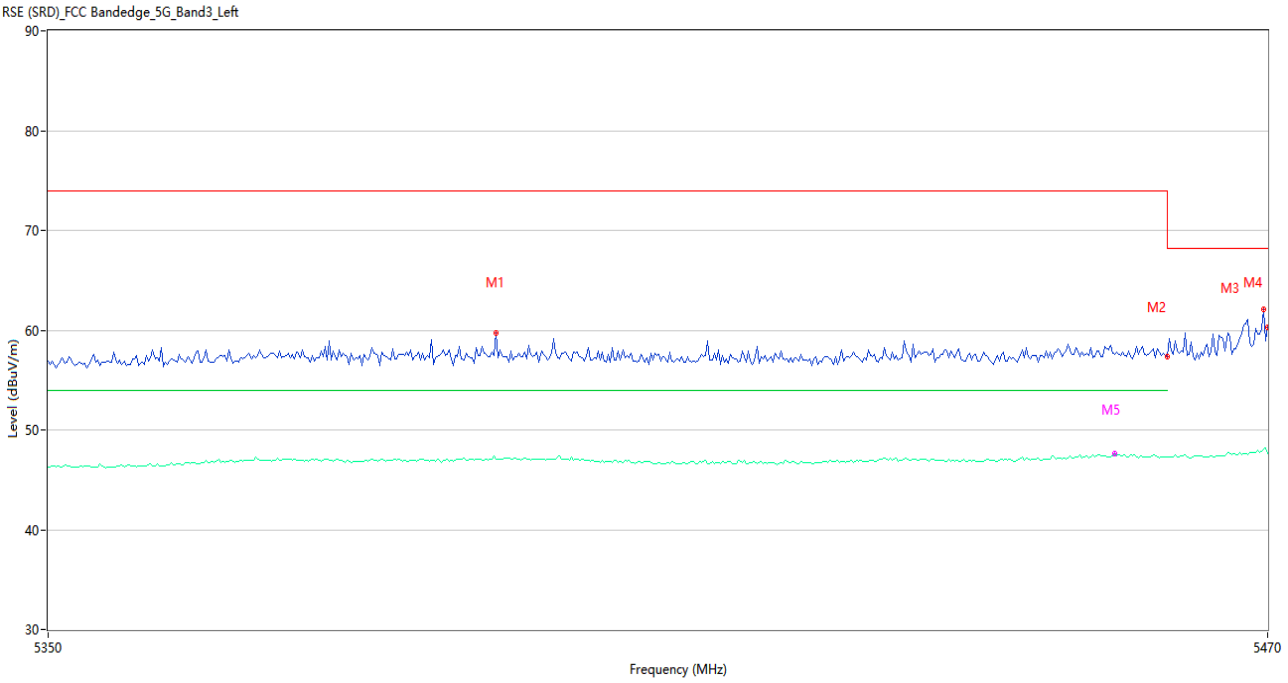
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5455.200	59.06	4.30	74.0	14.94	Peak	258.00	100	Horizontal	Pass
1**	5455.200	47.40	4.30	54.0	6.60	AV	258.00	100	Horizontal	Pass
2	5460.000	57.38	4.16	74.0	16.62	Peak	215.00	100	Horizontal	Pass
2**	5460.000	47.57	4.16	54.0	6.43	AV	215.00	100	Horizontal	Pass
3	5468.800	62.53	4.22	68.2	5.67	Peak	245.00	200	Horizontal	Pass
3**	5468.800	47.62	4.22	--	--	AV	245.00	200	Horizontal	N/A
4	5470.000	62.36	4.17	68.2	5.84	Peak	229.00	100	Horizontal	Pass
4**	5470.000	47.77	4.17	--	--	AV	229.00	100	Horizontal	N/A

U-NII-2C 11a High Channel



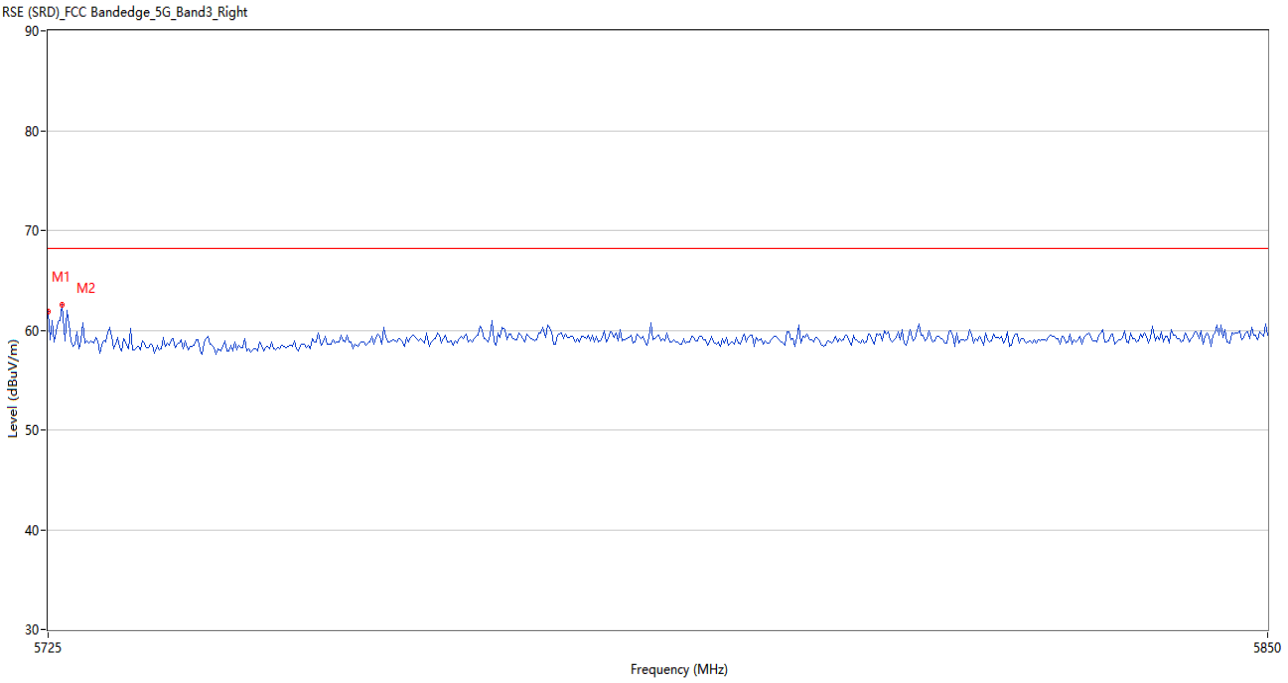
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	62.28	5.28	68.2	5.92	Peak	234.00	150	Horizontal	Pass

U-NII-2C 11n20 Low Channel



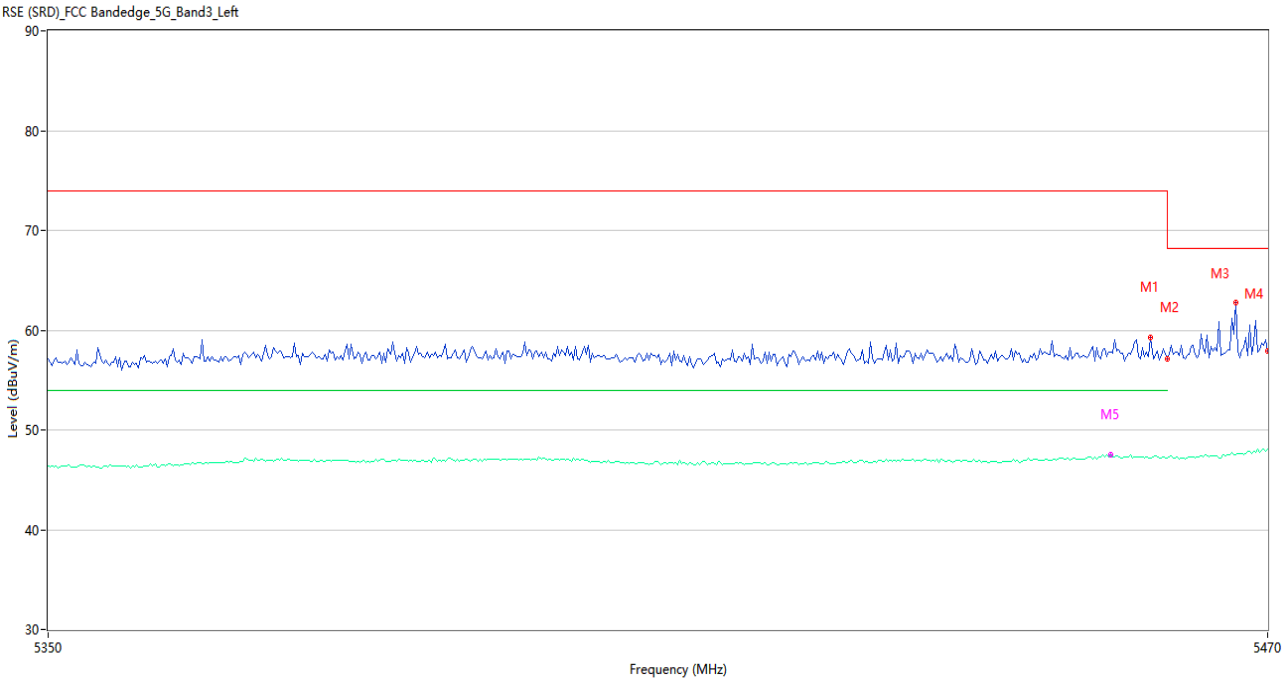
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5393.800	59.75	4.31	74.0	14.25	Peak	147.00	150	Horizontal	Pass
1**	5393.800	47.03	4.31	54.0	6.97	AV	147.00	150	Horizontal	Pass
2	5460.000	57.37	4.16	74.0	16.63	Peak	252.00	200	Horizontal	Pass
2**	5460.000	47.31	4.16	54.0	6.69	AV	252.00	200	Horizontal	Pass
3	5469.600	62.10	4.19	68.2	6.10	Peak	217.00	100	Horizontal	Pass
3**	5469.600	48.12	4.19	--	--	AV	217.00	100	Horizontal	N/A
4	5470.000	60.32	4.17	68.2	7.88	Peak	256.00	100	Horizontal	Pass
4**	5470.000	47.68	4.17	--	--	AV	256.00	100	Horizontal	N/A
5	5454.800	57.52	4.32	74.0	16.48	Peak	180.00	150	Horizontal	Pass
5**	5454.800	47.58	4.32	54.0	6.42	AV	180.00	150	Horizontal	Pass

U-NII-2C 11n20 High Channel



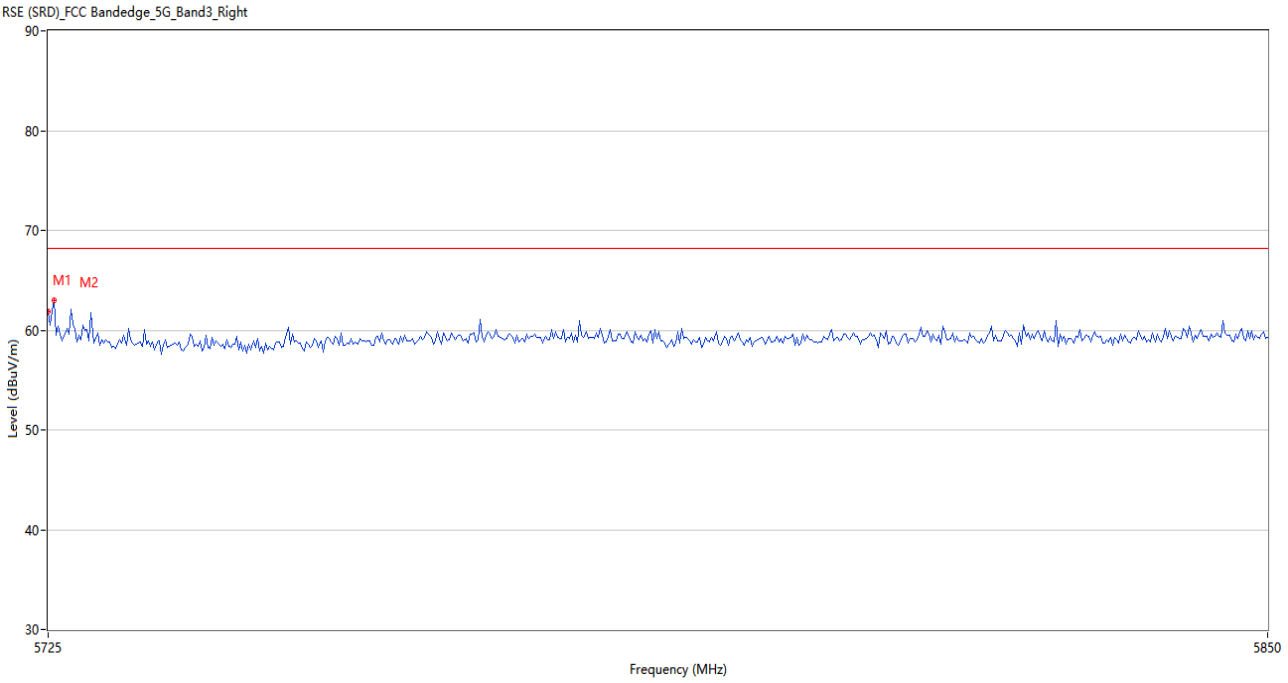
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	61.82	5.28	68.2	6.38	Peak	292.00	200	Horizontal	Pass
2	5726.458	62.57	5.21	68.2	5.63	Peak	208.00	150	Horizontal	Pass

U-NII-2C 11n40 Low Channel



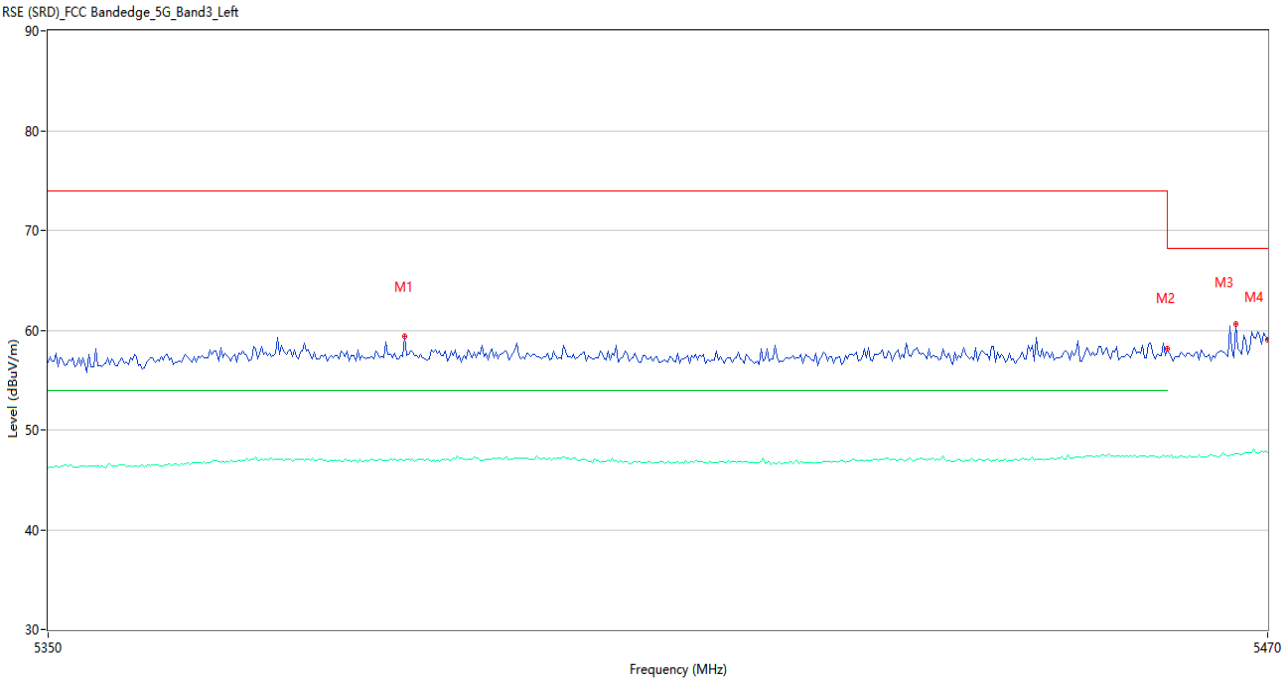
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5458.400	59.31	4.19	74.0	14.69	Peak	234.00	200	Horizontal	Pass
1**	5458.400	47.20	4.19	54.0	6.80	AV	234.00	200	Horizontal	Pass
2	5460.000	57.08	4.16	74.0	16.92	Peak	59.00	100	Horizontal	Pass
2**	5460.000	47.21	4.16	54.0	6.79	AV	59.00	100	Horizontal	Pass
3	5466.800	62.78	4.17	68.2	5.42	Peak	240.00	200	Horizontal	Pass
3**	5466.800	47.56	4.17	--	--	AV	240.00	200	Horizontal	N/A
4	5470.000	57.91	4.17	68.2	10.29	Peak	307.00	150	Horizontal	Pass
4**	5470.000	48.09	4.17	--	--	AV	307.00	150	Horizontal	N/A
5	5454.400	57.82	4.32	74.0	16.18	Peak	282.00	150	Horizontal	Pass
5**	5454.400	47.56	4.32	54.0	6.44	AV	282.00	150	Horizontal	Pass

U-NII-2C 11n40 High Channel



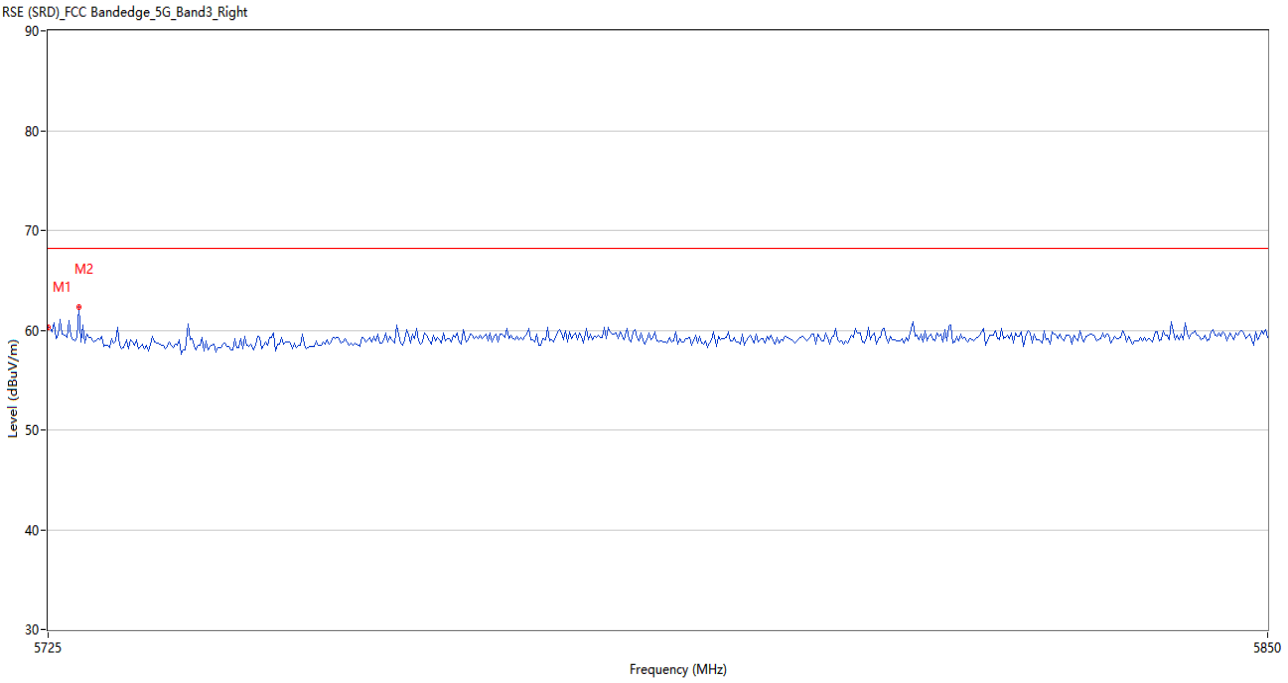
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	61.84	5.28	68.2	6.36	Peak	219.00	100	Horizontal	Pass
2	5725.625	62.94	5.23	68.2	5.26	Peak	217.00	100	Horizontal	Pass

U-NII-2C 11ac20 Low Channel



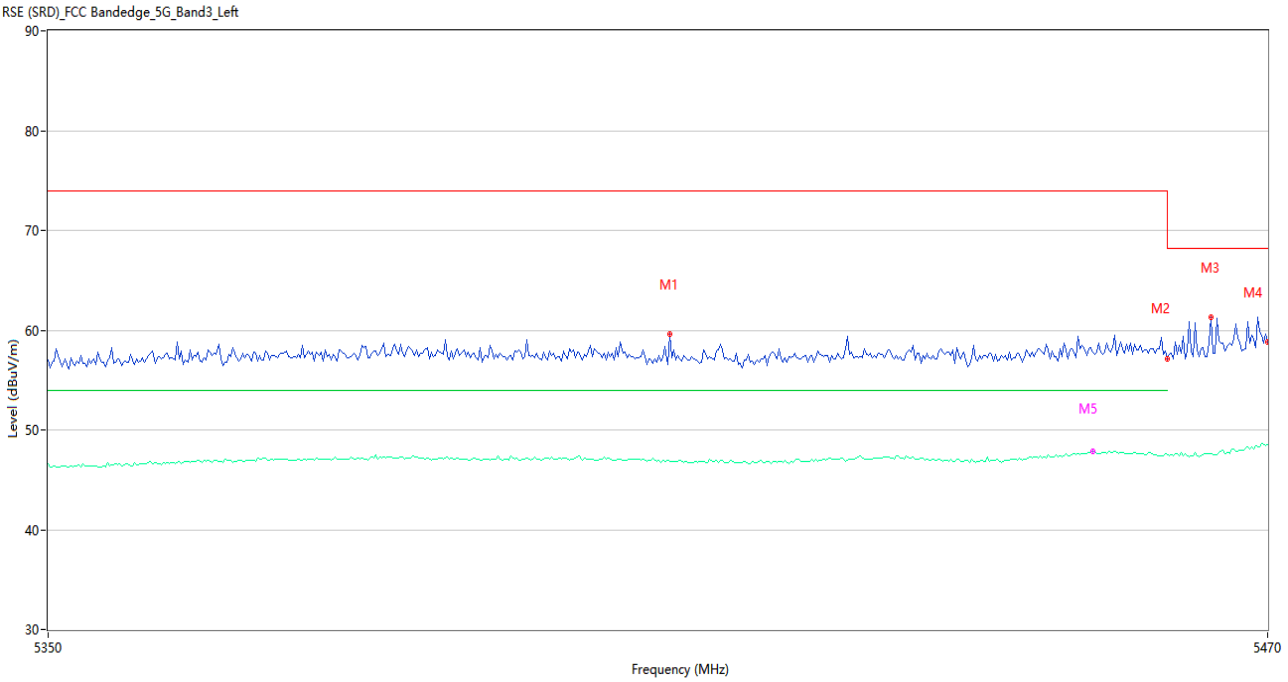
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5384.800	59.35	4.33	74.0	14.65	Peak	283.00	100	Horizontal	Pass
1**	5384.800	46.94	4.33	54.0	7.06	AV	283.00	100	Horizontal	Pass
2	5460.000	58.17	4.16	74.0	15.83	Peak	360.00	150	Horizontal	Pass
2**	5460.000	47.40	4.16	54.0	6.60	AV	360.00	150	Horizontal	Pass
3	5466.800	60.63	4.17	68.2	7.57	Peak	239.00	100	Horizontal	Pass
3**	5466.800	47.64	4.17	--	--	AV	239.00	100	Horizontal	N/A
4	5470.000	59.00	4.17	68.2	9.20	Peak	227.00	150	Horizontal	Pass
4**	5470.000	47.76	4.17	--	--	AV	227.00	150	Horizontal	N/A

U-NII-2C 11ac20 High Channel



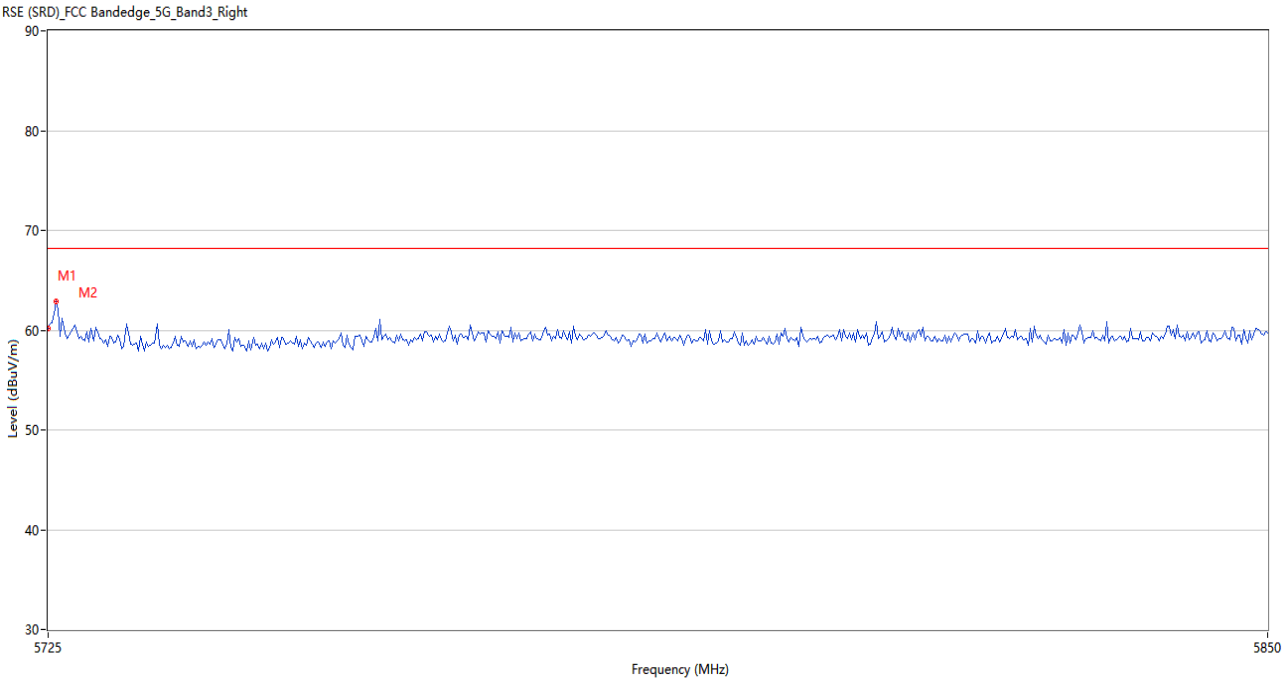
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	60.28	5.28	68.2	7.92	Peak	276.00	100	Horizontal	Pass
2	5728.125	62.27	5.13	68.2	5.93	Peak	270.00	150	Horizontal	Pass

U-NII-2C 11ac40 Low Channel



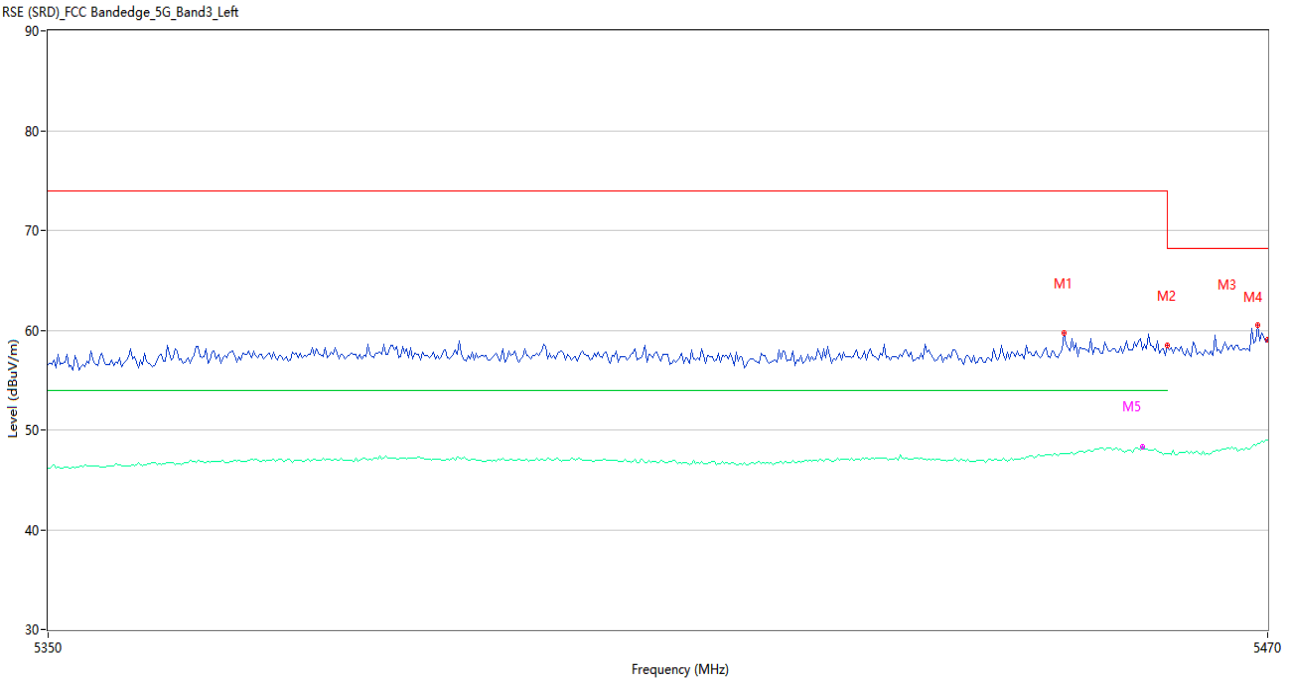
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5410.800	59.61	3.69	74.0	14.39	Peak	236.00	200	Horizontal	Pass
1**	5410.800	46.82	3.69	54.0	7.18	AV	236.00	200	Horizontal	Pass
2	5460.000	57.13	4.16	74.0	16.87	Peak	259.00	100	Horizontal	Pass
2**	5460.000	47.53	4.16	54.0	6.47	AV	259.00	100	Horizontal	Pass
3	5464.400	61.29	4.10	68.2	6.91	Peak	277.00	100	Horizontal	Pass
3**	5464.400	47.60	4.10	--	--	AV	277.00	100	Horizontal	N/A
4	5470.000	58.79	4.17	68.2	9.41	Peak	228.00	200	Horizontal	Pass
4**	5470.000	48.49	4.17	--	--	AV	228.00	200	Horizontal	N/A
5	5452.600	57.85	4.28	74.0	16.15	Peak	324.00	150	Horizontal	Pass
5**	5452.600	47.86	4.28	54.0	6.14	AV	324.00	150	Horizontal	Pass

U-NII-2C 11ac40 High Channel



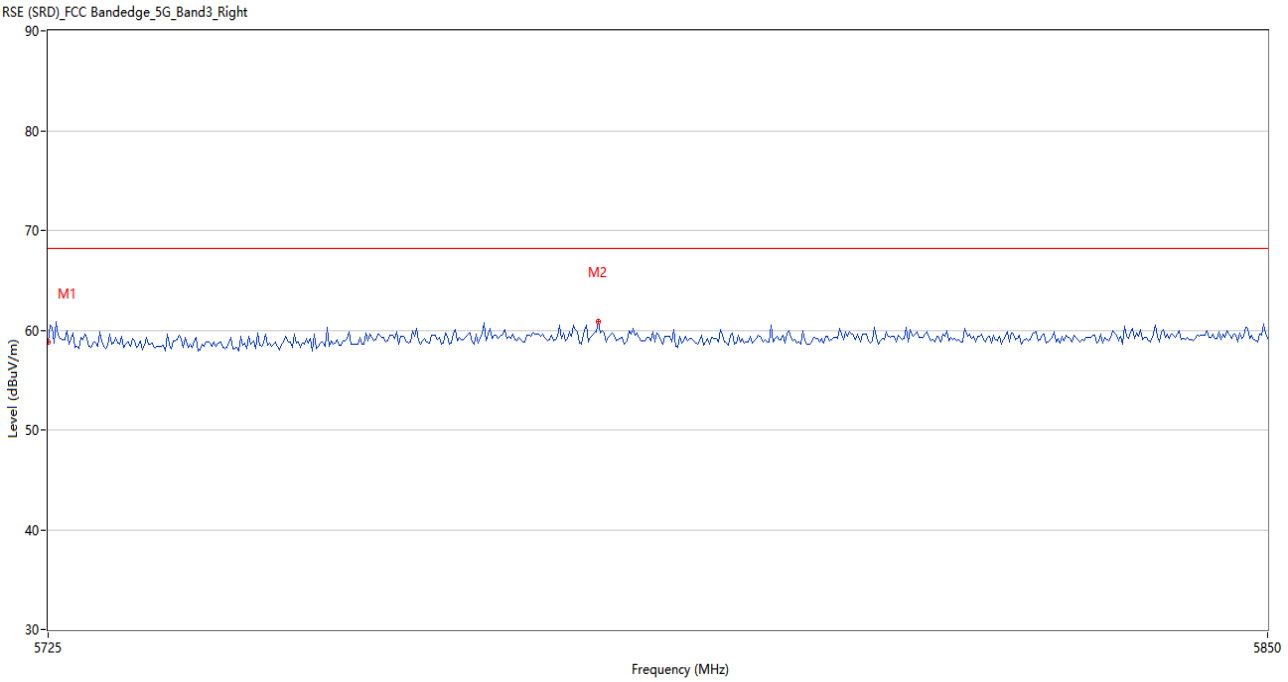
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	60.15	5.28	68.2	8.05	Peak	233.00	150	Horizontal	Pass
2	5725.834	62.85	5.22	68.2	5.35	Peak	226.00	100	Horizontal	Pass

U-NII-2C 11ac80 Low Channel



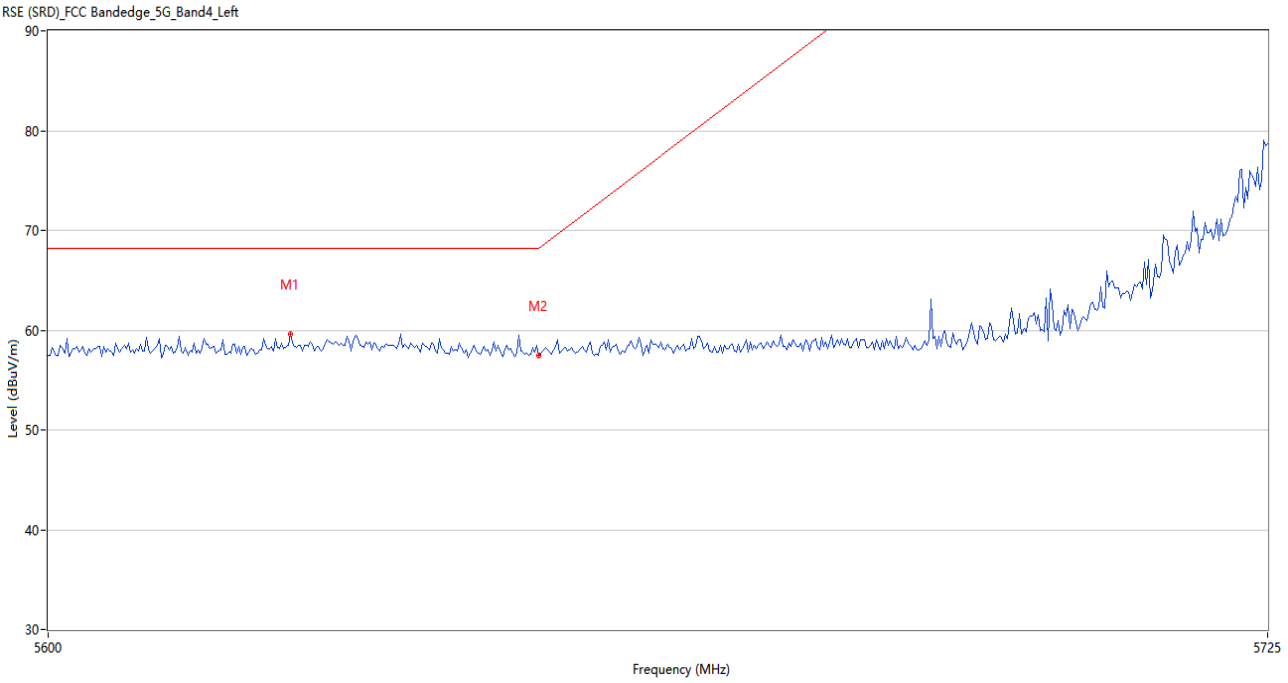
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5449.800	59.71	4.23	74.0	14.29	Peak	252.00	200	Horizontal	Pass
1**	5449.800	47.58	4.23	54.0	6.42	AV	252.00	200	Horizontal	Pass
2	5460.000	58.47	4.16	74.0	15.53	Peak	238.00	100	Horizontal	Pass
2**	5460.000	47.65	4.16	54.0	6.35	AV	238.00	100	Horizontal	Pass
3	5469.000	60.52	4.21	68.2	7.68	Peak	265.00	100	Horizontal	Pass
3**	5469.000	48.61	4.21	-	-	AV	265.00	100	Horizontal	N/A
4	5470.000	59.07	4.17	68.2	9.13	Peak	223.00	150	Horizontal	Pass
4**	5470.000	49.01	4.17	-	-	AV	223.00	150	Horizontal	N/A
5	5457.600	58.03	4.24	74.0	15.97	Peak	234.00	150	Horizontal	Pass
5**	5457.600	48.30	4.24	54.0	5.70	AV	234.00	150	Horizontal	Pass

U-NII-2C 11ac80 High Channel



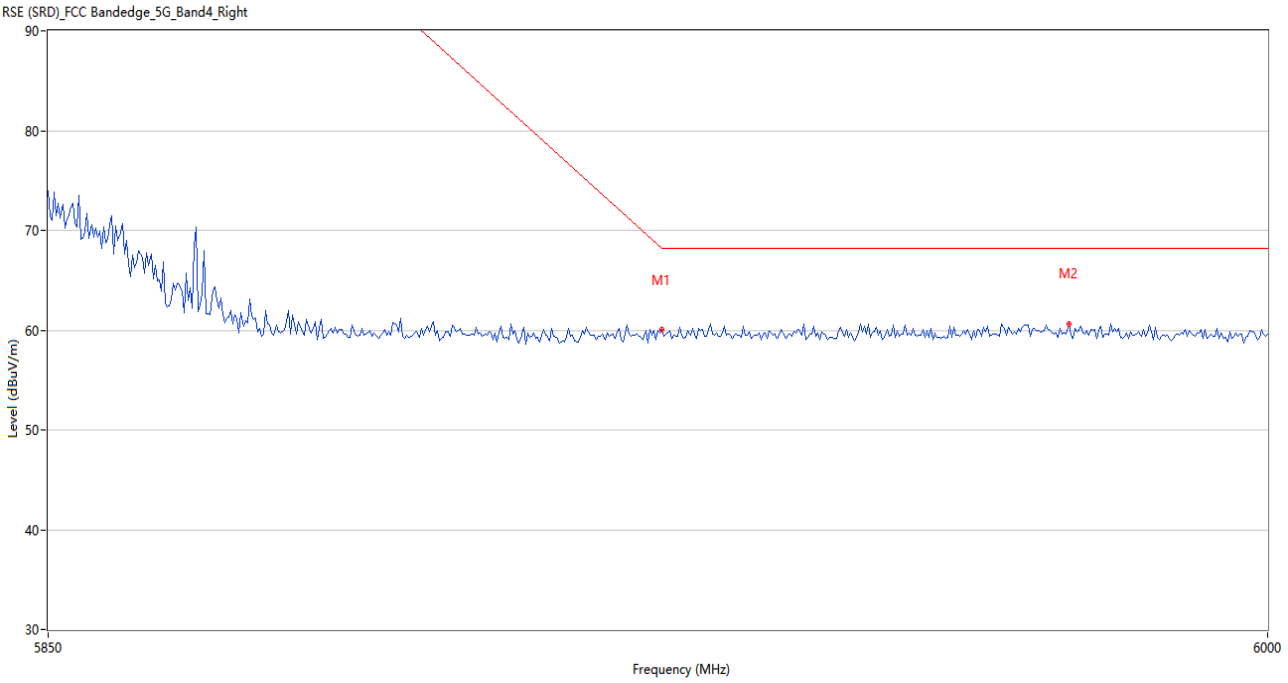
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	58.80	5.28	68.2	9.40	Peak	221.00	150	Horizontal	Pass
2	5781.042	60.87	5.83	68.2	7.33	Peak	281.00	100	Horizontal	Pass

U-NII-3 11a Low Channel



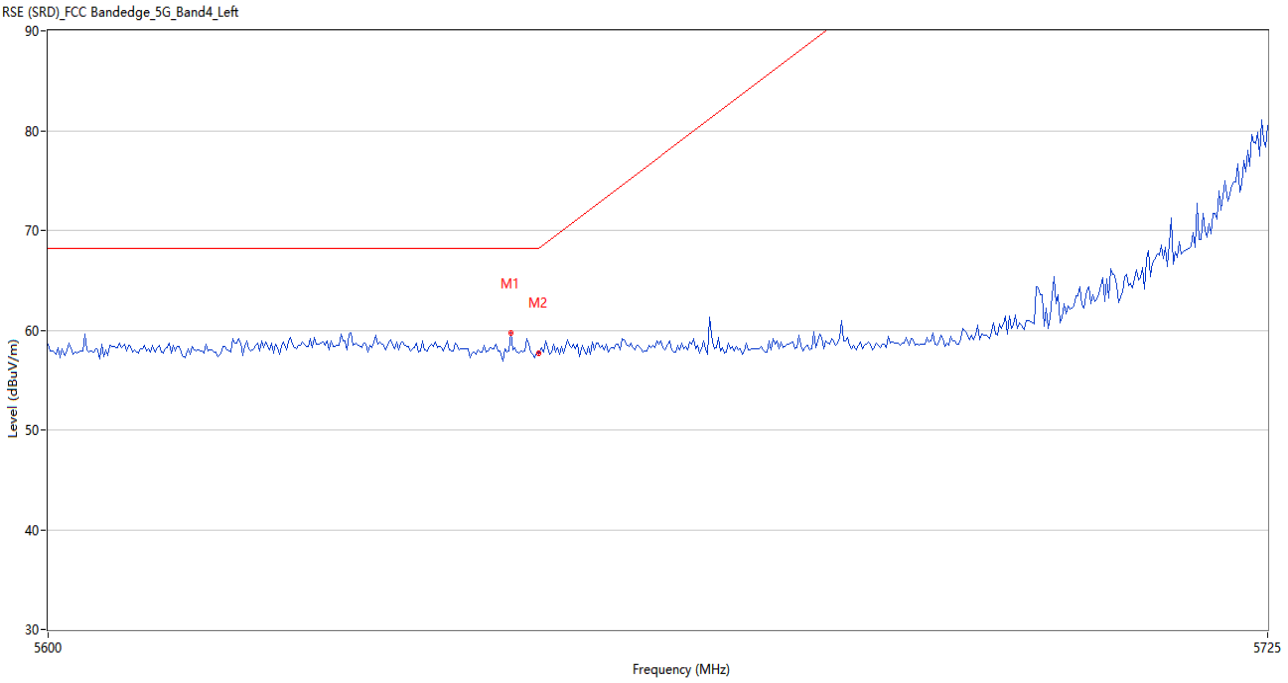
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5624.584	59.59	5.49	68.2	8.61	Peak	302.00	200	Horizontal	Pass
2	5650.000	57.45	4.36	68.2	10.75	Peak	360.00	100	Horizontal	Pass

U-NII-3 11a High Channel



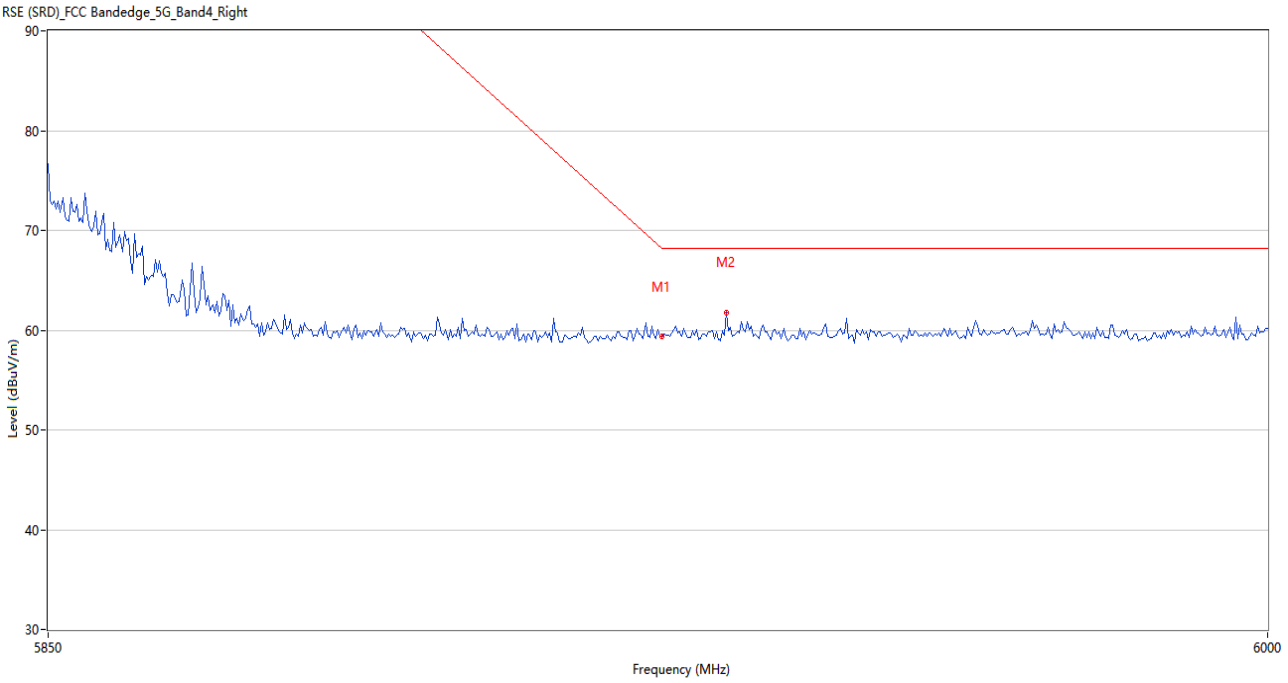
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	60.04	6.03	68.2	8.16	Peak	42.00	200	Horizontal	Pass
2	5975.250	60.67	6.68	68.2	7.53	Peak	60.00	100	Horizontal	Pass

U-NII-3 11n20 Low Channel



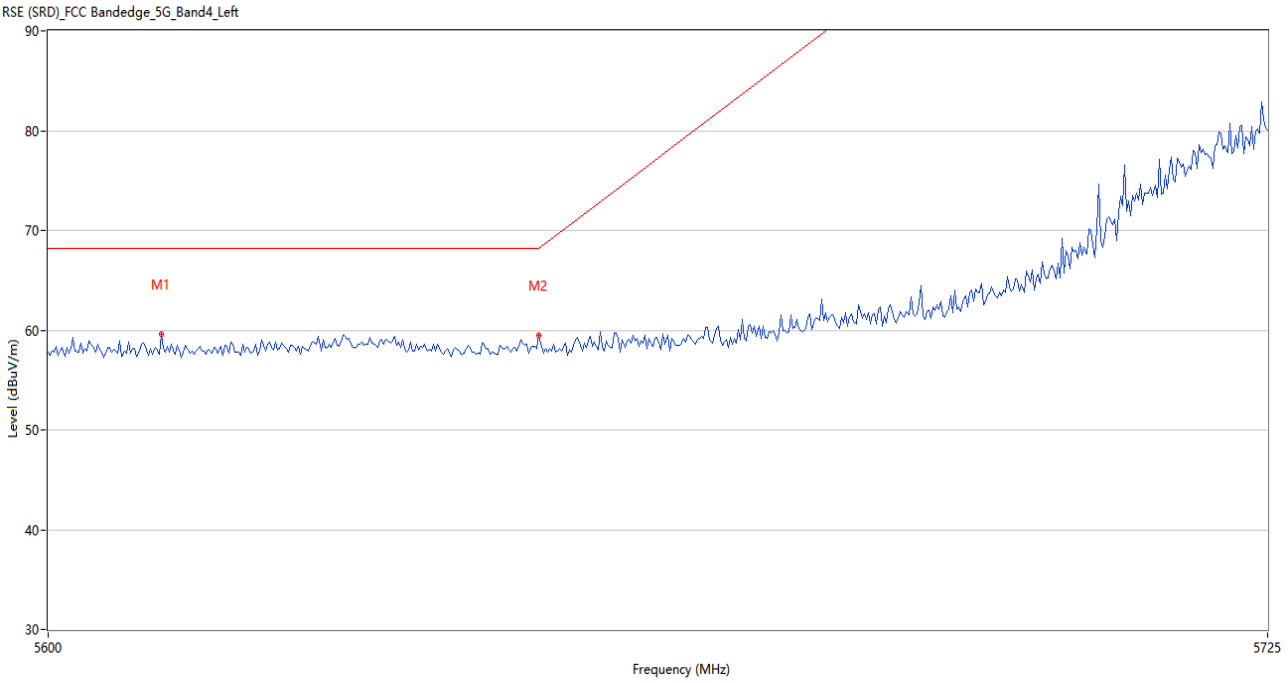
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5647.084	59.70	4.41	68.2	8.50	Peak	322.00	200	Horizontal	Pass
2	5650.000	57.73	4.36	68.2	10.47	Peak	199.00	100	Horizontal	Pass

U-NII-3 11n20 High Channel



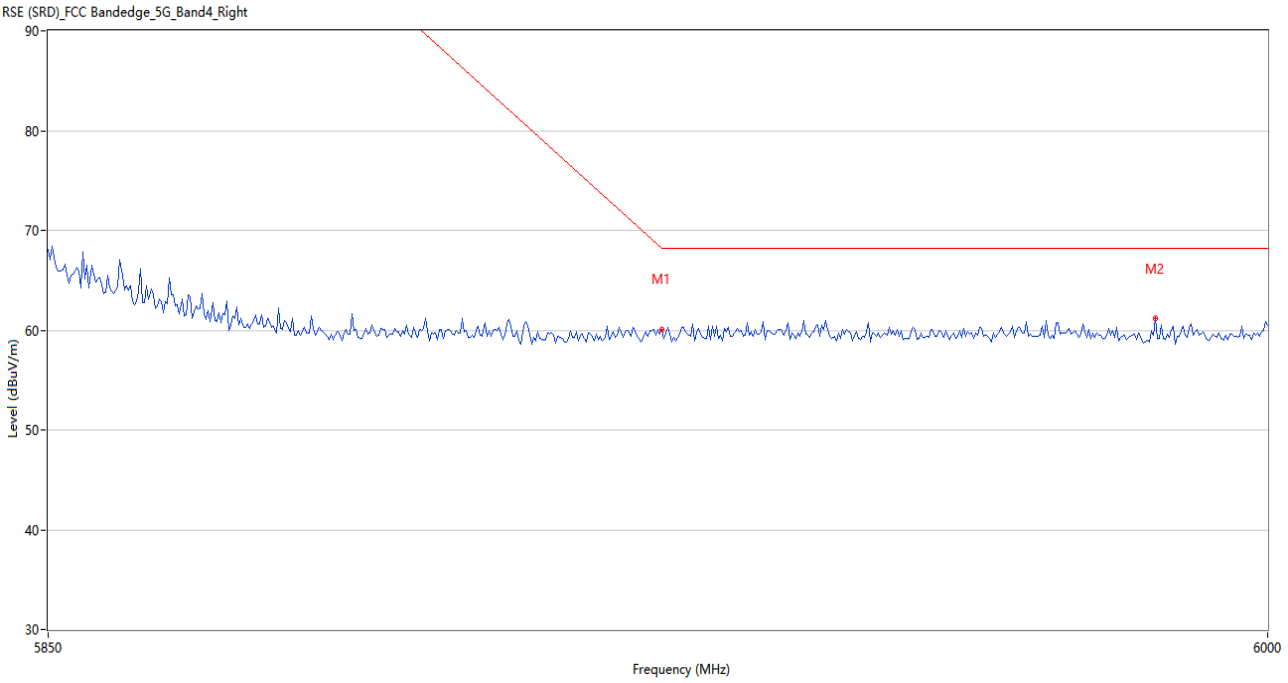
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	59.37	6.03	68.2	8.83	Peak	325.00	150	Horizontal	Pass
2	5933.000	61.79	6.20	68.2	6.41	Peak	152.00	200	Horizontal	Pass

U-NII-3 11n40 Low Channel



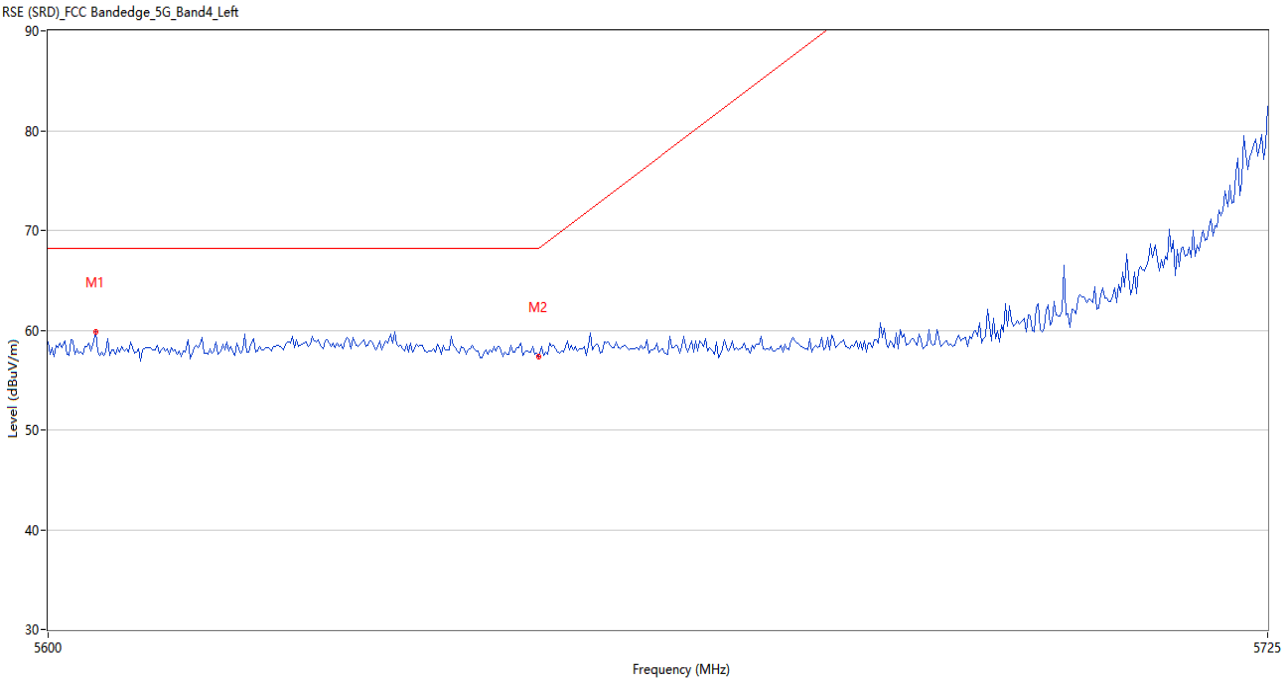
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5611.459	59.58	4.68	68.2	8.62	Peak	306.00	100	Horizontal	Pass
2	5650.000	59.44	4.36	68.2	8.76	Peak	209.00	100	Horizontal	Pass

U-NII-3 11n40 High Channel



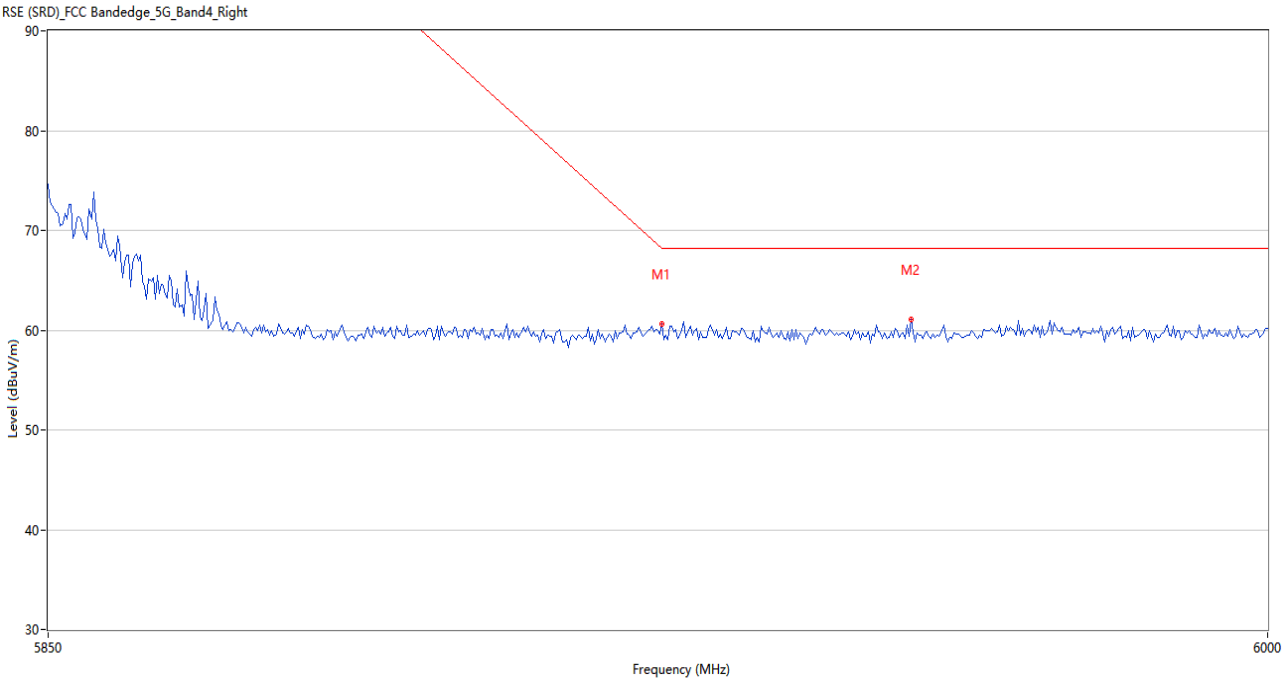
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	60.10	6.03	68.2	8.10	Peak	256.00	150	Horizontal	Pass
2	5986.000	61.15	6.04	68.2	7.05	Peak	140.00	150	Horizontal	Pass

U-NII-3 11ac20 Low Channel



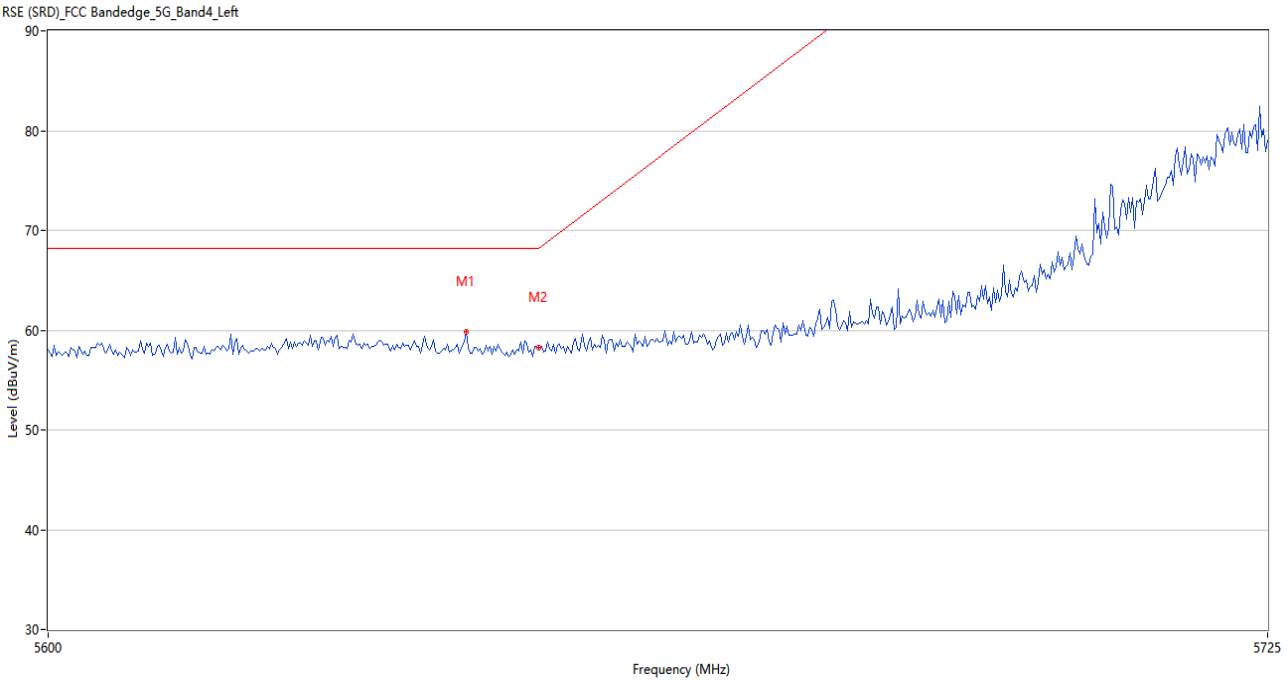
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5604.791	59.85	4.67	68.2	8.35	Peak	116.00	200	Horizontal	Pass
2	5650.000	57.32	4.36	68.2	10.88	Peak	156.00	100	Horizontal	Pass

U-NII-3 11ac20 High Channel



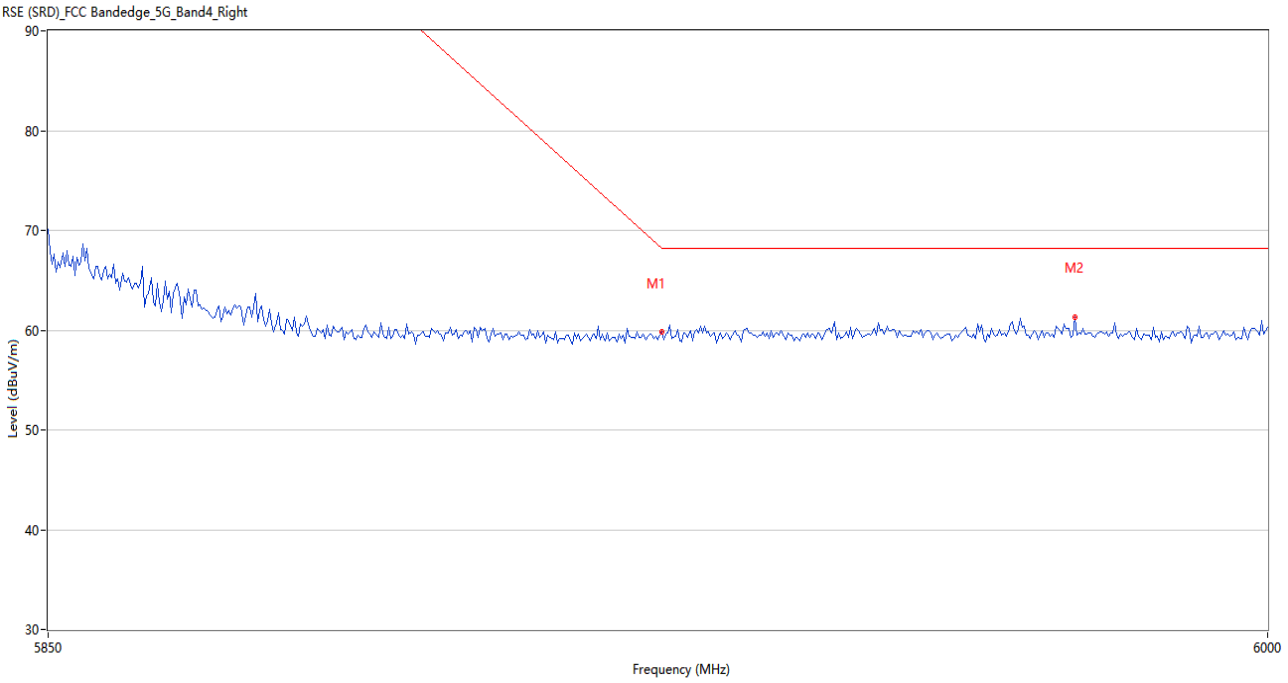
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	60.60	6.03	68.2	7.60	Peak	180.00	200	Horizontal	Pass
2	5955.750	61.05	6.50	68.2	7.15	Peak	126.00	100	Horizontal	Pass

U-NII-3 11ac40 Low Channel



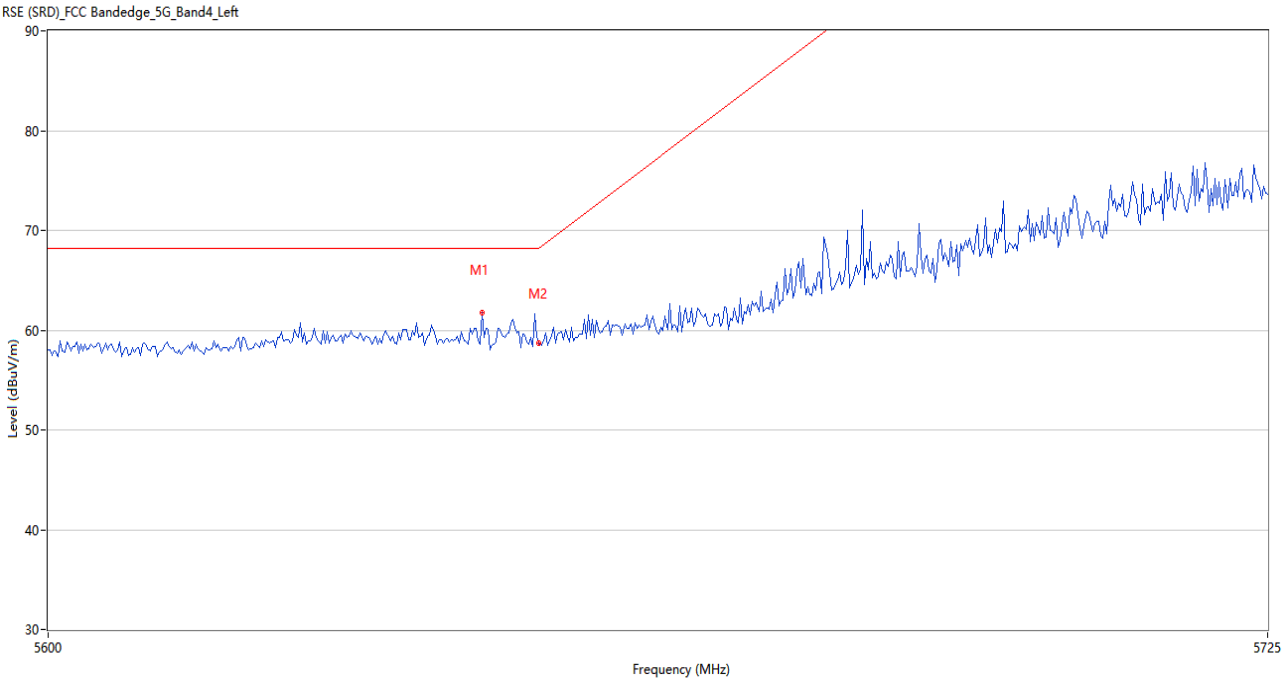
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5642.500	59.87	4.59	68.2	8.33	Peak	209.00	200	Horizontal	Pass
2	5650.000	58.28	4.36	68.2	9.92	Peak	236.00	100	Horizontal	Pass

U-NII-3 11ac40 High Channel



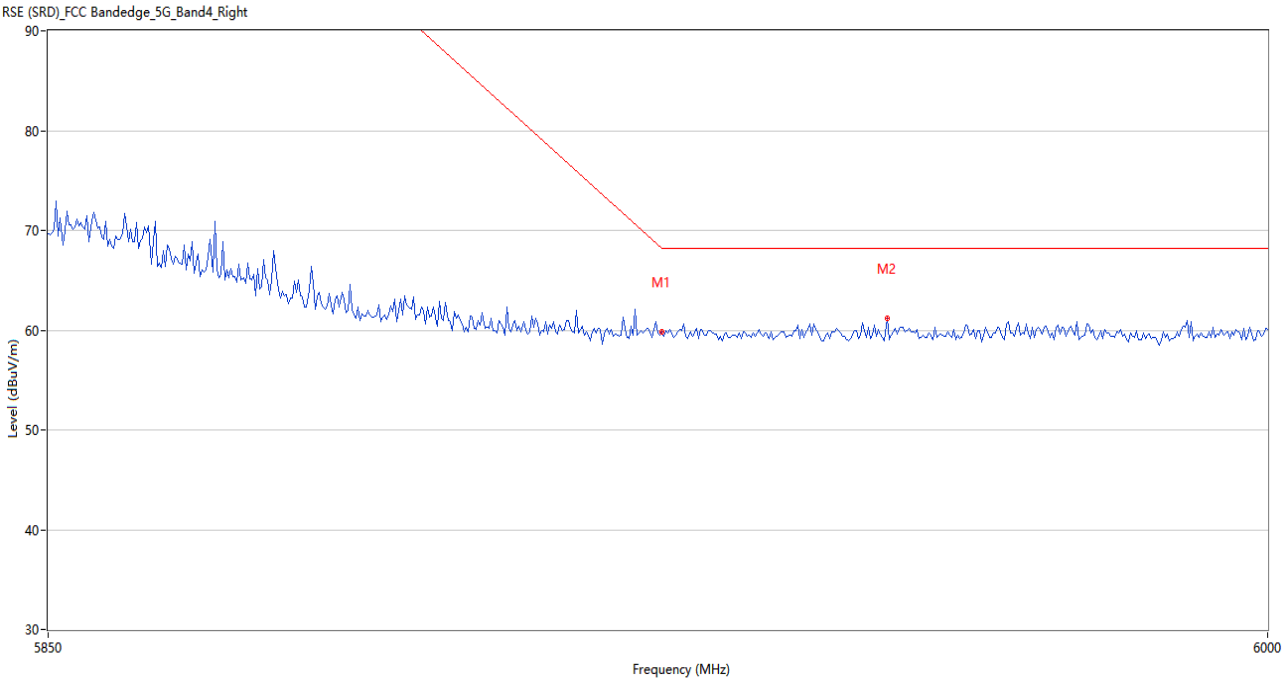
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	59.78	6.03	68.2	8.42	Peak	82.00	100	Horizontal	Pass
2	5976.000	61.31	6.60	68.2	6.89	Peak	249.00	150	Horizontal	Pass

U-NII-3 11ac80 Middle Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5644.167	61.71	4.48	68.2	6.49	Peak	237.00	100	Horizontal	Pass
2	5650.000	58.70	4.36	68.2	9.50	Peak	208.00	150	Horizontal	Pass

U-NII-3 11ac80 Middle Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	59.85	6.03	68.2	8.35	Peak	140.00	100	Horizontal	Pass
2	5952.750	61.18	6.31	68.2	7.02	Peak	207.00	150	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2491182-AR-2.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2491182-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2491182-AI.PDF”.

Statement

1. The laboratory guarantees the scientificity, accuracy and impartiality of the test, and is responsible for all the information in the report, except the information provided by the customer. The customer is responsible for the impact of the information provided on the validity of the results.
2. The report without China inspection body and laboratory Mandatory Approval (CMA) mark has no effect of proving to the society.
3. For the report with CNAS mark or A2LA mark, the items marked with "☆" are not within the accredited scope.
4. This report is invalid if it is altered, without the signature of the testing and approval personnel, or without the “inspection and testing dedicated stamp” or test report stamp.
5. The test data and results are only valid for the tested samples provided by the customer.
6. This report shall not be partially reproduced without the written permission of the laboratory.
7. Any objection shall be raised to the laboratory within 30 days after receiving the report.

--END OF REPORT--