

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: RMX3951
Brand Name: realme
FCC ID: 2AUYFRMX3951
Test Standard: 47 CFR Part 15 Subpart E (refer to section 3.1)
Sample Arrival Date: Jun. 03, 2024
Test Date: Jun. 04, 2024 - Jun. 19, 2024
Date of Issue: Jul. 04, 2024

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

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

Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Jul. 04, 2024</u>	<u>Initial Issue</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

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

1.2 Test Location

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

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	RMX3951
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	11
Software Version	realme UI 5.0
Dimensions (Approx.)	about 165.6×76.1×7.79(mm)
Weight (Approx.)	about 190g
EUT ID	S31, S38, S41
IMEI Number	S31: IMEI1: 862456070025433 IMEI2:862456070025425
	S38: IMEI1: 862456070034278 IMEI2:862456070034260
	S41: IMEI1: 862456070024279 IMEI2:862456070024261

2.4 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/1900 MHz 3G Network WCDMA/HSDPA/HSUPA/HSPA+ 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 LTE Downlink (DL): CA_2C, CA_7B, CA_7C, CA_38C, CA_41C, CA_41A-41A, CA_7A-7A, CA_2A-38A, CA_5A-41A, CA_5A-66A, CA_7A-66A, CA_2A-2A, CA_2A-5A, CA_2A-7A, CA_2A-12A, CA_4A-5A, CA_4A-7A, CA_5A-7A, CA_12A-66A, CA_66A-66A, CA_4A-4A, CA_26A-41A, CA_5A-38A, CA_2A-4A, CA_38A-66A, CA_26A-38A, CA_2A-66A, CA_7A-26A 5G Network SA: NR n5/n7/n38/n41/n66 NSA UL (EN-DC): DC_7A_n5A, DC_66A_n5A, DC_2A_n7A, DC_4A_n7A, DC_5A_n7A, DC_7A_n7A, DC_66A_n7A, DC_2A_n66A, DC_5A_n66A, DC_7A_n66A, DC_66A_n66A, DC_2A_n38A, DC_4A_n38A, DC_5A_n38A, DC_38A_n38A, DC_66A_n38A, DC_2A_n41A, DC_4A_n41A, DC_26A_n41A, DC_41A_n41A, DC_66A_n41A DL(EN-DC): DC_7C_n5A, DC_7C_n66A, DC_5A-66A_n66A, DC_7A-66A_n66A, DC_2A-5A_n66A, DC_5A-7A_n7A, DC_5A-7A_n66A, DC_66A-66A_n5A, DC_66A-66A_n7A NR CA Downlink (DL): CA_n5A-n7A, CA_n7B Bluetooth (BR+EDR+BLE) 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20/40) and VHT(20/40) 5G WIFI 802.11a, 802.11n(HT20/40) and 802.11ac(VHT20/40/80) U-NII-1/2A/2C/3, GPS, GLONASS, BDS, Galileo, NFC
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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: 35.81 mW U-NII-2A: 32.06 mW U-NII-2C: 13.65 mW U-NII-3: 35.40 mW
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	IFA Antenna
Antenna Gain	U-NII-1: 5150 MHz to 5250 MHz: -1.56 dBi U-NII-2A: 5250 MHz to 5350 MHz: -1.56 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	--	--	--

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	50% to 70%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+21.2℃ to +25.0℃
	LT (Low Temperature)	0.0℃
	HT (High Temperature)	+35℃
Working Voltage of the EUT	NV (Normal Voltage)	3.89 V
	LV (Low Voltage)	3.40 V
	HV (High Voltage)	4.48 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	KEYSIGHT	N9020A	MY46471071	2023.07.25	2024.07.24
Power Sensor	KEYSIGHT	U2063XA	MY58000251	2023.07.12	2024.07.11
Spectrum Analyzer	KEYSIGHT	N9020A	MY52510065	2023.09.05	2024.09.04
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-40	101544	2023.12.27	2024.12.26
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	01631	2022.02.23	2025.02.22
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2021.07.02	2024.07.01
Anechoic Chamber	RAINFORD	9m*6m*6m	144	2022.02.19	2024.09.03
Amplifier	COM-MV	LSCX_LNA1-12G-01	180602	2023.09.05	2024.09.04
Amplifier	COM-MV	XKu_LNA7-18G-01	180601	2023.09.05	2024.09.04
Amplifier	COM-MV	KA LNA18 40G-01	18050001	2023.12.06	2024.12.05
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2023.09.05	2024.09.04
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9168	9168-01162	2023.08.04	2024.08.03
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2024.01.23	2025.01.22
Amplifier	COM-MV	ZT30-1000M	B2018054558	2023.12.05	2024.12.04
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60*7.35m	130	2021.08.15	2024.08.14
EMI Receiver	KEYSIGHT	N9038A	MY53220118	2023.09.05	2024.09.04
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9163	9163-624	2021.08.20	2024.08.19
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	2023.09.05	2024.09.04
LISN	SCHWARZBECK	NSLK 8127	8127-687	2024.05.08	2025.05.07
Shielded Enclosure	YiHeng Electronic	3.5m*3.1m*2.8	112	2022.02.19	2025.02.18

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
	Co., Ltd	m			

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%

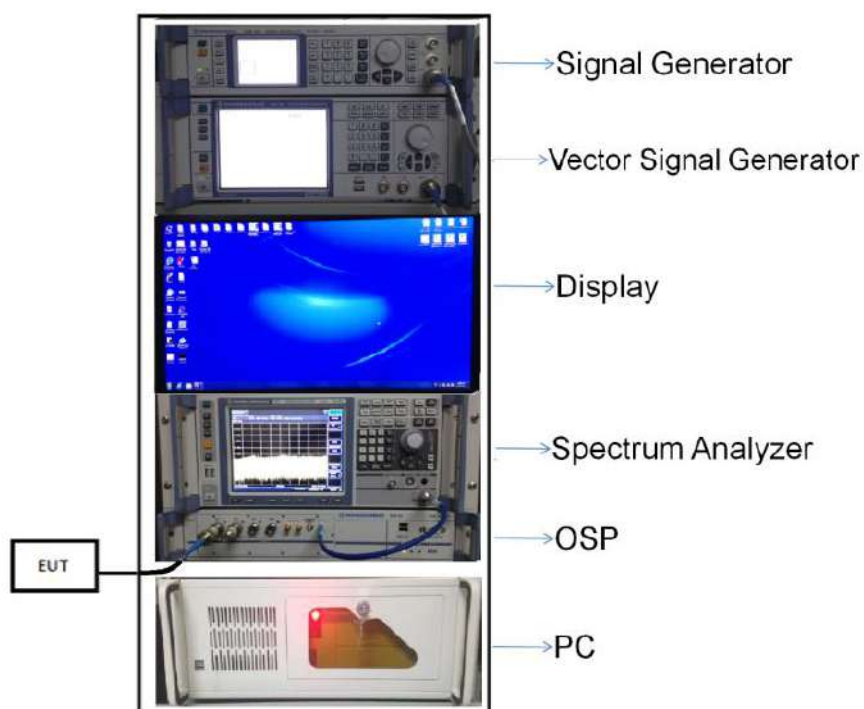
4.5 Description of Test Setup

4.5.1 For Antenna Port Test

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

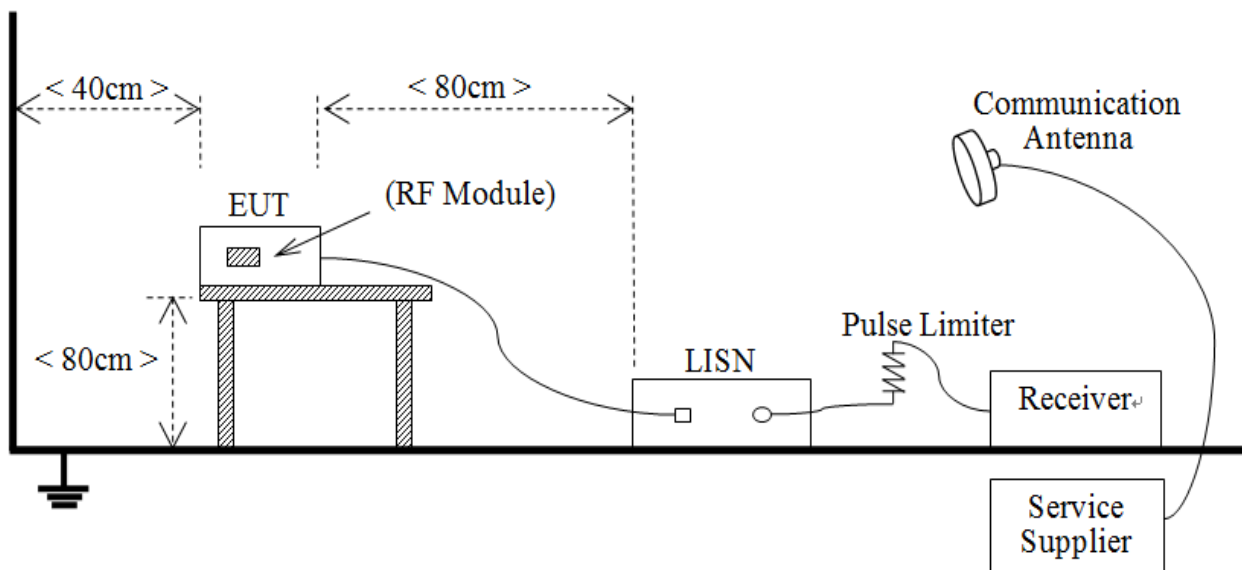
For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

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



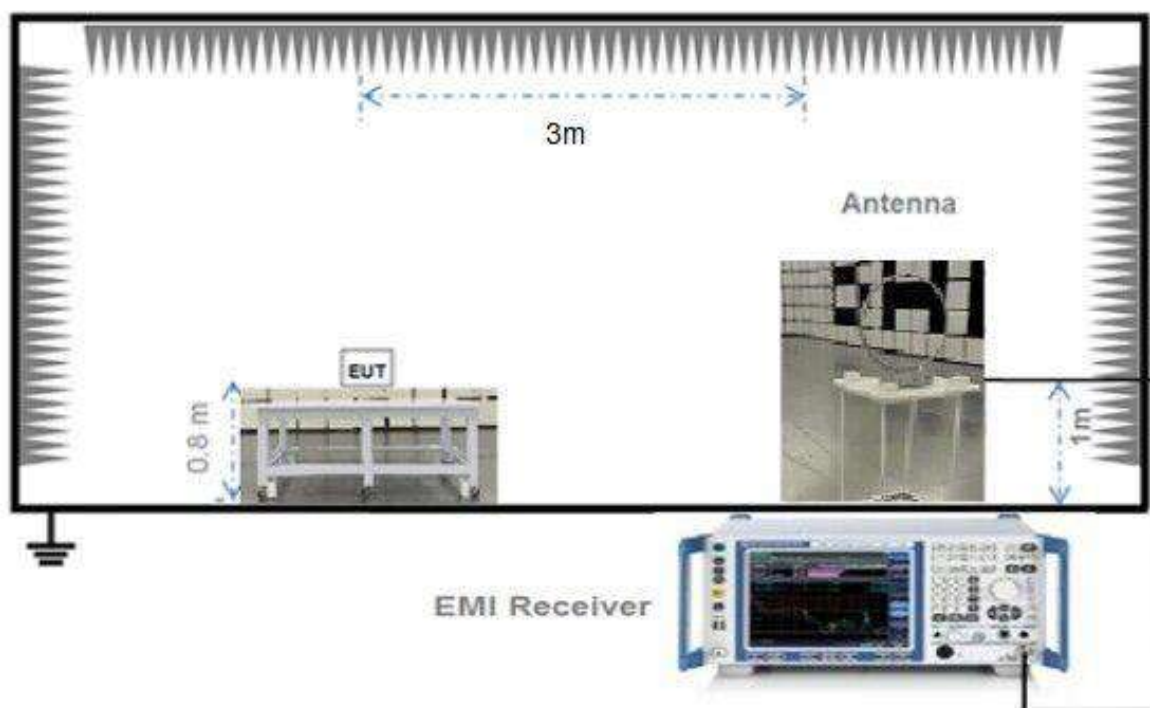
(Diagram 1)

4.5.2 For AC Power Supply Port Test



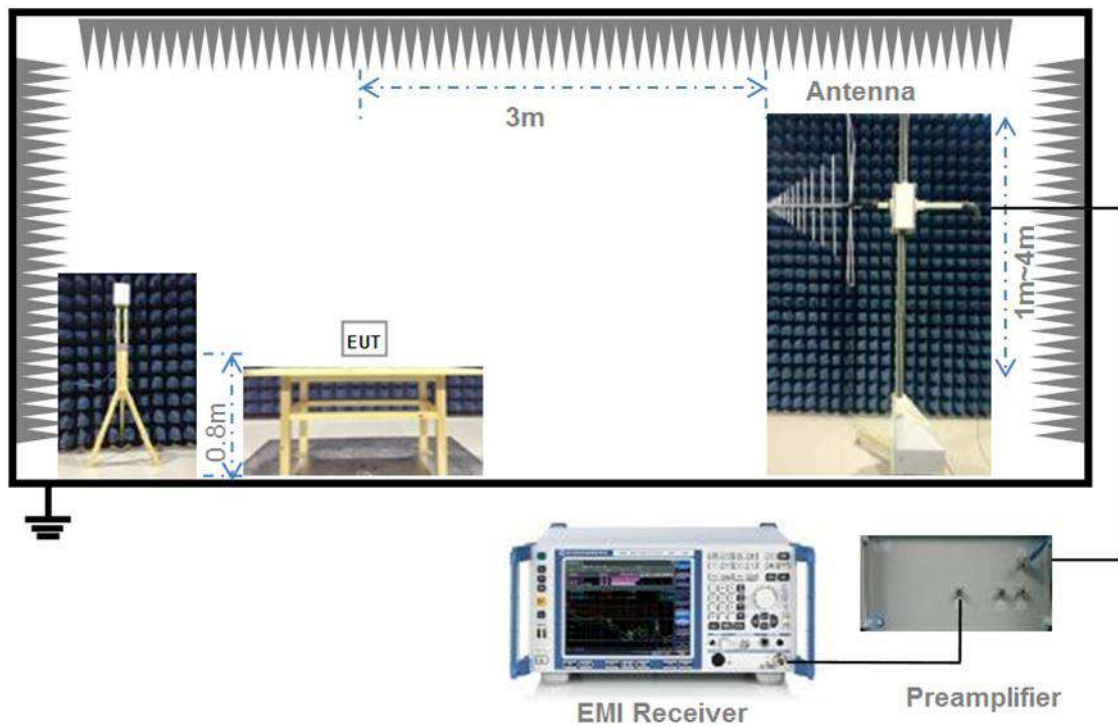
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



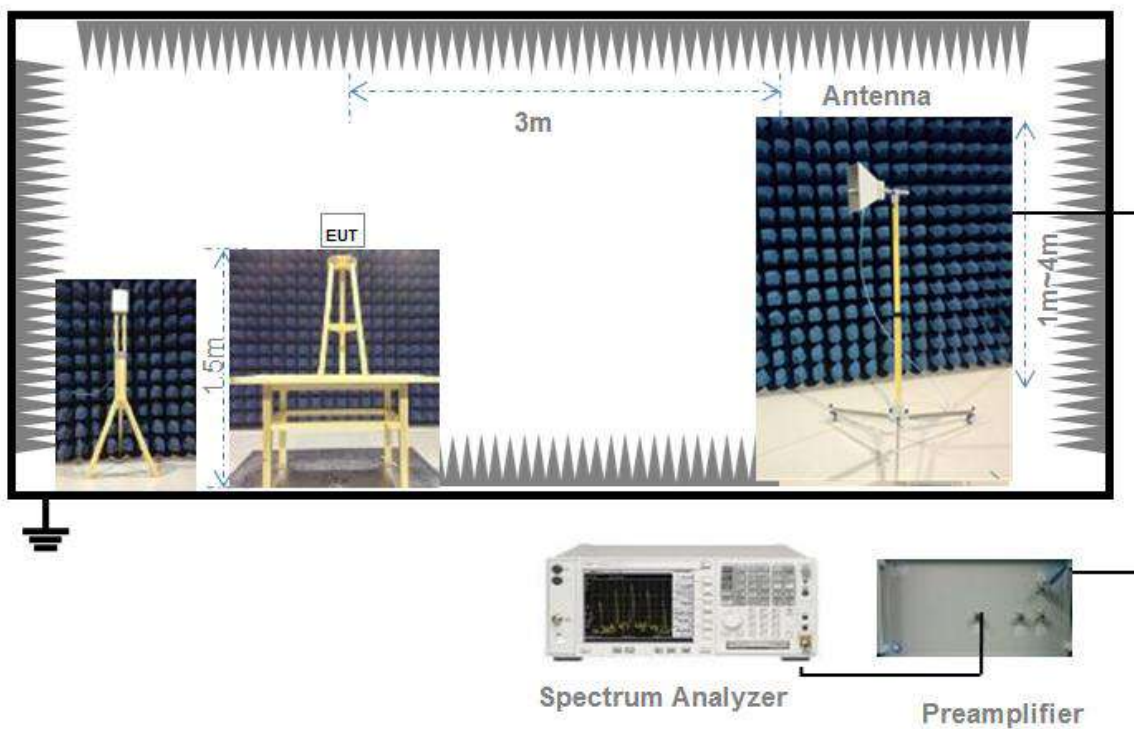
(Diagram 3)

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

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

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

5.1.4 Test Result

Please refer to ANNEX A.1.

5.2 Emission Bandwidth and 6 dB Bandwidth

5.2.1 Limit

FCC §15.407(a)

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

5.2.2 Test Setup

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

5.2.3 Test Procedure

Emission bandwidth

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

Occupied Bandwidth

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

6 dB bandwidth

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

5.2.4 Test Result

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

5.3 Power Spectral density (PSD)

5.3.1 Limit

FCC §15.407(a)

The maximum power spectral density should not exceed:

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

5.3.2 Test Setup

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

5.3.3 Test Procedure

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

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

5.3.4 Test Result

Please refer to ANNEX A.4.

5.4 Conducted Emission

5.4.1 Limit

FCC §15.207

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

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

5.4.2 Test Setup

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

5.4.3 Test Procedure

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

5.4.4 Test Result

Please refer to ANNEX A.5.

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

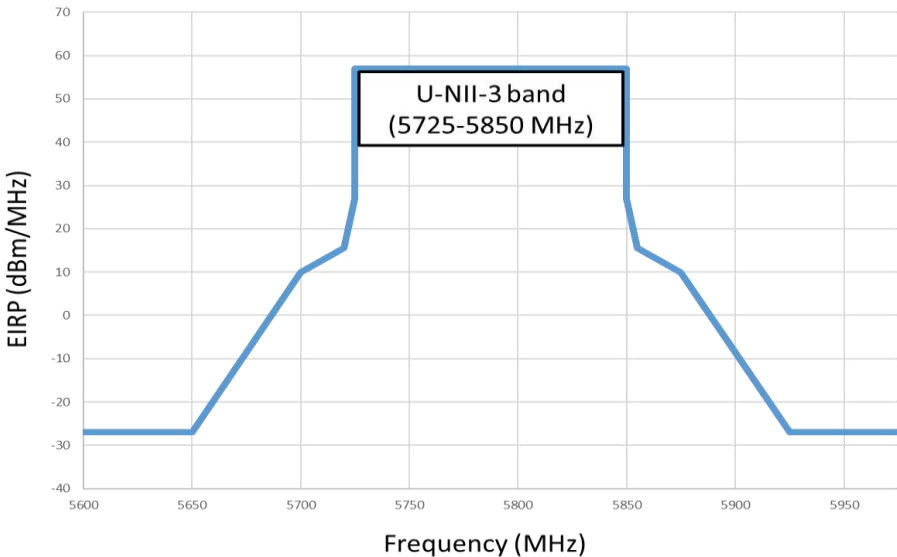
5.5.1 Limit

FCC §15.209 & 15.407(b)

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

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

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

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

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

5.5.2 Test Setup

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

5.5.3 Test Procedure

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

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

General Procedure for conducted measurements in restricted bands

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

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

where:

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

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

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

Quasi-Peak measurement procedure

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

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

emission limits using a peak detector.

Peak power measurement procedure

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

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

Table 1—RBW as a function of frequency

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

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

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

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

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

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

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

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

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

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

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

Determining the applicable transmit antenna gain

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

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

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

Radiated spurious emission test

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

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

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

The power of the EUT transmitting frequency should be ignored.

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

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

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

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

5.5.4 Test Result

Please refer to ANNEX A.6.

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH52	15.06	32.06	250	Pass
11a	CH60	14.72	29.65	250	Pass
11a	CH64	14.65	29.17	250	Pass
11n (HT20)	CH52	14.91	30.97	250	Pass
11n (HT20)	CH60	14.61	28.91	250	Pass
11n (HT20)	CH64	14.52	28.31	250	Pass
11n (HT40)	CH54	13.43	22.03	250	Pass
11n (HT40)	CH62	13.17	20.75	250	Pass
11ac (VHT20)	CH52	14.85	30.55	250	Pass
11ac (VHT20)	CH60	14.63	29.04	250	Pass
11ac (VHT20)	CH64	14.81	30.27	250	Pass
11ac (VHT40)	CH54	13.51	22.44	250	Pass
11ac (VHT40)	CH62	13.44	22.08	250	Pass
11ac (VHT80)	CH58	11.73	14.89	250	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH100	9.54	8.99	250	Pass
11a	CH116	9.18	8.28	250	Pass
11a	CH140	9.27	8.45	250	Pass
11n (HT20)	CH100	9.43	8.77	250	Pass
11n (HT20)	CH116	9.04	8.02	250	Pass
11n (HT20)	CH140	9.13	8.18	250	Pass
11n (HT40)	CH102	11.01	12.62	250	Pass
11n (HT40)	CH118	10.76	11.91	250	Pass
11n (HT40)	CH134	10.79	11.99	250	Pass
11ac (VHT20)	CH100	9.34	8.59	250	Pass
11ac (VHT20)	CH116	9.29	8.49	250	Pass
11ac (VHT20)	CH140	9.44	8.79	250	Pass
11ac (VHT40)	CH102	11.02	12.65	250	Pass
11ac (VHT40)	CH118	10.95	12.45	250	Pass
11ac (VHT40)	CH134	11.09	12.85	250	Pass
11ac (VHT80)	CH106	11.35	13.65	250	Pass
11ac (VHT80)	CH122	11.29	13.46	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	15.46	35.16	1000	Pass
11a	CH157	15.03	31.84	1000	Pass
11a	CH165	15.49	35.40	1000	Pass
11n (HT20)	CH149	15.28	33.73	1000	Pass
11n (HT20)	CH157	15.19	33.04	1000	Pass
11n (HT20)	CH165	15.02	31.77	1000	Pass
11n (HT40)	CH151	12.83	19.19	1000	Pass
11n (HT40)	CH159	12.80	19.05	1000	Pass
11ac (VHT20)	CH149	15.29	33.81	1000	Pass
11ac (VHT20)	CH157	15.03	31.84	1000	Pass
11ac (VHT20)	CH165	15.01	31.70	1000	Pass
11ac (VHT40)	CH151	12.84	19.23	1000	Pass
11ac (VHT40)	CH159	12.83	19.19	1000	Pass
11ac (VHT80)	CH155	13.16	20.70	1000	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ2460066-604 Data Part 1.pdf".

Test Data

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	20.04	16.49
11a	CH44	20.13	16.51
11a	CH48	20.15	16.52
11n (HT20)	CH36	20.37	17.61
11n (HT20)	CH44	20.45	17.62
11n (HT20)	CH48	20.28	17.63
11n (HT40)	CH38	40.65	36.08
11n (HT40)	CH46	40.66	36.10
11ac (VHT20)	CH36	20.39	17.60
11ac (VHT20)	CH44	20.38	17.58
11ac (VHT20)	CH48	20.37	17.57
11ac (VHT40)	CH38	40.65	36.11
11ac (VHT40)	CH46	40.54	36.09
11ac (VHT80)	CH42	81.25	75.45

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	20.10	16.50
11a	CH60	20.08	16.49
11a	CH64	20.07	16.52
11n (HT20)	CH52	20.38	17.60
11n (HT20)	CH60	20.34	17.61
11n (HT20)	CH64	20.33	17.60
11n (HT40)	CH54	40.45	36.08
11n (HT40)	CH62	40.55	36.08
11ac (VHT20)	CH52	20.38	17.58
11ac (VHT20)	CH60	20.32	17.59
11ac (VHT20)	CH64	20.35	17.57
11ac (VHT40)	CH54	40.63	36.09
11ac (VHT40)	CH62	40.63	36.05
11ac (VHT80)	CH58	81.24	75.45

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	20.04	16.52
11a	CH116	19.98	16.51
11a	CH140	19.99	16.51
11n (HT20)	CH100	20.31	17.60
11n (HT20)	CH116	20.29	17.60
11n (HT20)	CH140	20.41	17.59
11n (HT40)	CH102	40.73	36.07
11n (HT40)	CH118	40.72	36.08
11n (HT40)	CH134	40.72	36.10
11ac (VHT20)	CH100	20.29	17.60
11ac (VHT20)	CH116	20.39	17.61
11ac (VHT20)	CH140	20.26	17.59
11ac (VHT40)	CH102	40.66	36.08
11ac (VHT40)	CH118	40.82	36.04
11ac (VHT40)	CH134	40.44	36.11
11ac (VHT80)	CH106	81.26	75.30
11ac (VHT80)	CH122	80.78	75.41

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	20.08	16.51
11a	CH157	20.39	16.52
11a	CH165	20.00	16.53
11n (HT20)	CH149	20.36	17.63
11n (HT20)	CH157	20.41	17.63
11n (HT20)	CH165	20.36	17.64
11n (HT40)	CH151	40.56	36.07
11n (HT40)	CH159	40.66	36.07
11ac (VHT20)	CH149	20.47	17.59
11ac (VHT20)	CH157	20.33	17.60
11ac (VHT20)	CH165	20.41	17.61
11ac (VHT40)	CH151	40.45	36.05
11ac (VHT40)	CH159	40.73	36.05
11ac (VHT80)	CH155	81.11	75.39

A.3 6 dB Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ2460066-604 Data Part 2.pdf”.

Test Data

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	15.40	500.00	Pass
11a	CH157	15.40	500.00	Pass
11a	CH165	15.40	500.00	Pass
11n (HT20)	CH149	15.40	500.00	Pass
11n (HT20)	CH157	15.30	500.00	Pass
11n (HT20)	CH165	15.40	500.00	Pass
11n (HT40)	CH151	35.30	500.00	Pass
11n (HT40)	CH159	35.30	500.00	Pass
11ac (VHT20)	CH149	15.40	500.00	Pass
11ac (VHT20)	CH157	15.40	500.00	Pass
11ac (VHT20)	CH165	15.40	500.00	Pass
11ac (VHT40)	CH151	35.30	500.00	Pass
11ac (VHT40)	CH159	35.30	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-SZ2460066-604 Data Part 3.pdf”.

Test Data

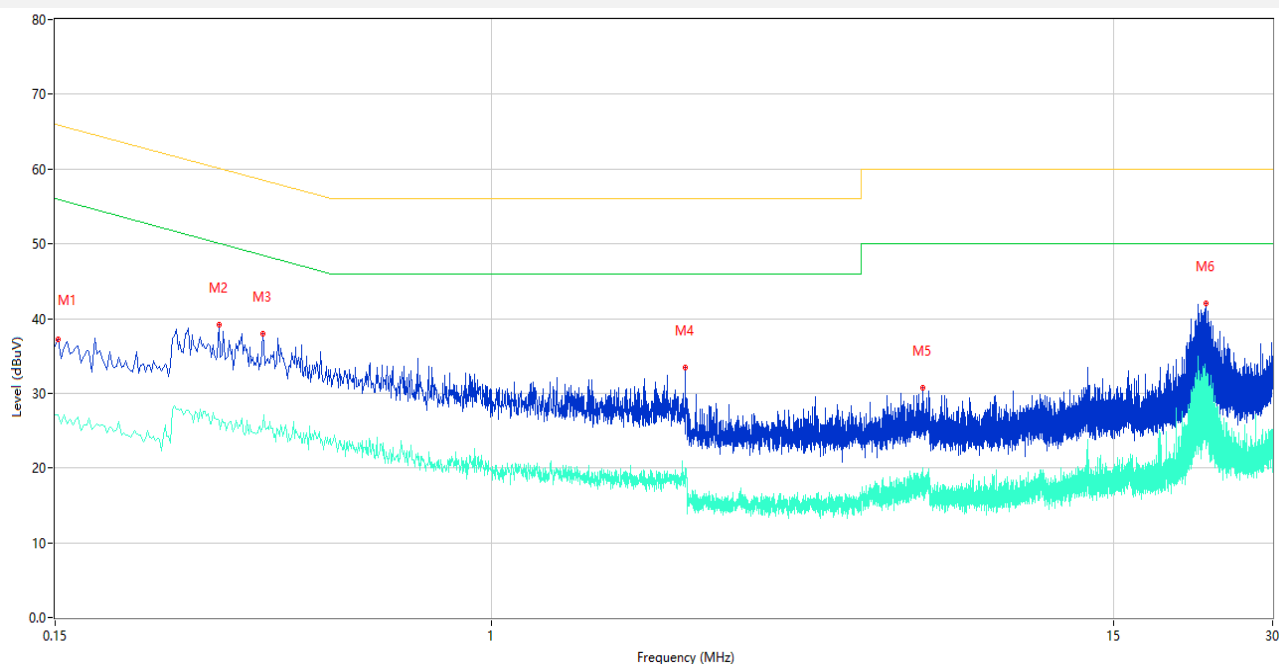
U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH36	4.15	11.00	Pass
11a	CH44	3.91	11.00	Pass
11a	CH48	3.82	11.00	Pass
11n (HT20)	CH36	3.74	11.00	Pass
11n (HT20)	CH44	3.66	11.00	Pass
11n (HT20)	CH48	3.60	11.00	Pass
11n (HT40)	CH38	-3.77	11.00	Pass
11n (HT40)	CH46	-4.13	11.00	Pass
11ac (VHT20)	CH36	3.90	11.00	Pass
11ac (VHT20)	CH44	3.65	11.00	Pass
11ac (VHT20)	CH48	3.70	11.00	Pass
11ac (VHT40)	CH38	-3.88	11.00	Pass
11ac (VHT40)	CH46	-4.03	11.00	Pass
11ac (VHT80)	CH42	-6.19	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH52	3.85	11.00	Pass
11a	CH60	3.93	11.00	Pass
11a	CH64	3.35	11.00	Pass
11n (HT20)	CH52	3.10	11.00	Pass
11n (HT20)	CH60	3.05	11.00	Pass
11n (HT20)	CH64	3.04	11.00	Pass
11n (HT40)	CH54	-1.58	11.00	Pass
11n (HT40)	CH62	-1.43	11.00	Pass
11ac (VHT20)	CH52	3.50	11.00	Pass
11ac (VHT20)	CH60	3.09	11.00	Pass
11ac (VHT20)	CH64	3.06	11.00	Pass
11ac (VHT40)	CH54	-1.08	11.00	Pass
11ac (VHT40)	CH62	-1.10	11.00	Pass
11ac (VHT80)	CH58	-5.84	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH100	-1.67	11.00	Pass
11a	CH116	-1.69	11.00	Pass
11a	CH140	-1.53	11.00	Pass
11n (HT20)	CH100	-1.53	11.00	Pass
11n (HT20)	CH116	-2.04	11.00	Pass
11n (HT20)	CH140	-1.89	11.00	Pass
11n (HT40)	CH102	-2.95	11.00	Pass
11n (HT40)	CH118	-3.49	11.00	Pass
11n (HT40)	CH134	-3.38	11.00	Pass
11ac (VHT20)	CH100	-1.51	11.00	Pass
11ac (VHT20)	CH116	-2.07	11.00	Pass
11ac (VHT20)	CH140	-1.82	11.00	Pass
11ac (VHT40)	CH102	-2.48	11.00	Pass
11ac (VHT40)	CH118	-2.51	11.00	Pass
11ac (VHT40)	CH134	-2.48	11.00	Pass
11ac (VHT80)	CH106	-6.16	11.00	Pass
11ac (VHT80)	CH122	-6.17	11.00	Pass

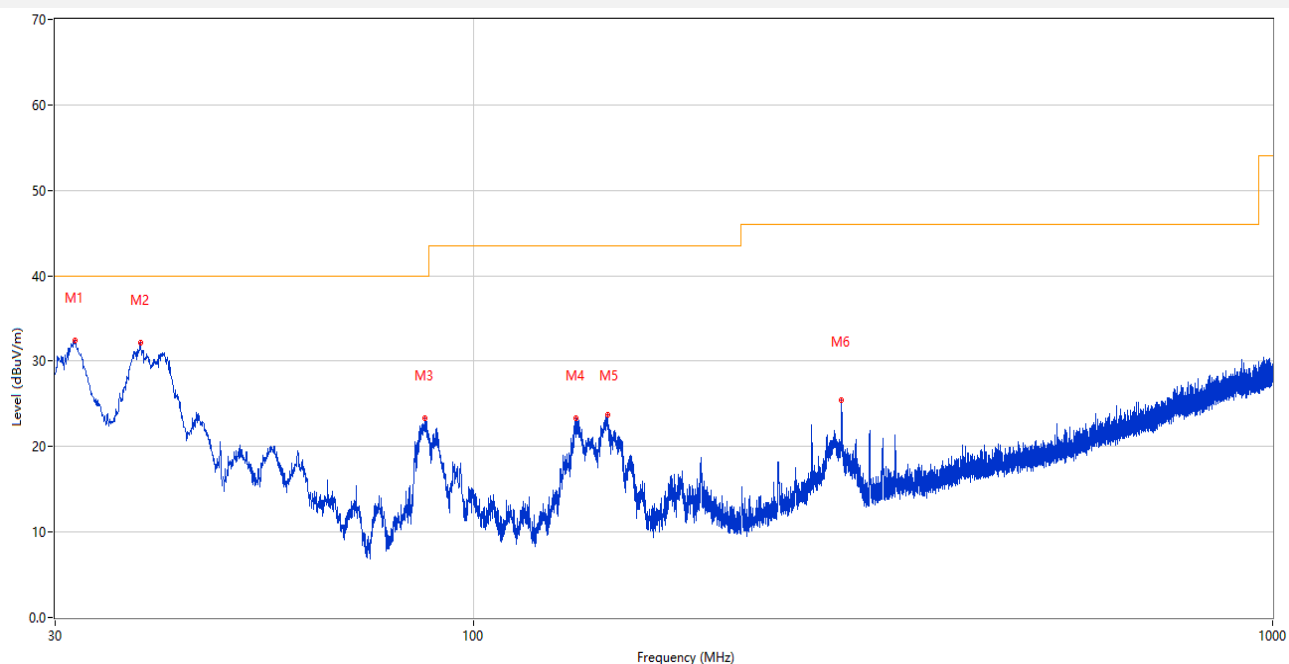
U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	1.60	30.00	Pass
11a	CH157	1.42	30.00	Pass
11a	CH165	1.62	30.00	Pass
11n (HT20)	CH149	1.22	30.00	Pass
11n (HT20)	CH157	0.79	30.00	Pass
11n (HT20)	CH165	0.90	30.00	Pass
11n (HT40)	CH151	-4.14	30.00	Pass
11n (HT40)	CH159	-4.39	30.00	Pass
11ac (VHT20)	CH149	0.91	30.00	Pass
11ac (VHT20)	CH157	0.92	30.00	Pass
11ac (VHT20)	CH165	0.86	30.00	Pass
11ac (VHT40)	CH151	-4.10	30.00	Pass
11ac (VHT40)	CH159	-4.31	30.00	Pass
11ac (VHT80)	CH155	-6.51	30.00	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.152	37.27	10.11	65.89	28.62	Peak	N	Pass
1**	0.152	27.09	10.11	55.89	28.80	AV	N	Pass
2	0.306	39.18	10.06	60.08	20.90	Peak	N	Pass
2**	0.306	26.30	10.06	50.08	23.78	AV	N	Pass
3	0.370	37.91	10.24	58.50	20.59	Peak	N	Pass
3**	0.370	25.68	10.24	48.50	22.82	AV	N	Pass
4	2.326	33.38	10.60	56.00	22.62	Peak	N	Pass
4**	2.326	19.03	10.60	46.00	26.97	AV	N	Pass
5	6.532	30.71	11.08	60.00	29.29	Peak	N	Pass
5**	6.532	16.27	11.08	50.00	33.73	AV	N	Pass
6	22.408	42.05	13.04	60.00	17.95	Peak	N	Pass
6**	22.408	31.66	13.04	50.00	18.34	AV	N	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	31.794	32.43	-29.04	40.0	7.57	Peak	71.00	100	Vertical	Pass
2	38.342	32.19	-27.12	40.0	7.81	Peak	200.00	100	Vertical	Pass
3	86.939	23.33	-29.42	40.0	16.67	Peak	1.00	100	Vertical	Pass
4	134.469	23.38	-29.97	43.5	20.12	Peak	136.00	100	Vertical	Pass
5	147.176	23.70	-30.23	43.5	19.80	Peak	331.00	100	Vertical	Pass
6	288.990	25.45	-23.92	46.0	20.55	Peak	163.00	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	1502.500	37.71	-19.53	74.0	36.29	Peak	266.00	200	Horizontal	Pass
1**	1502.500	27.15	-19.53	54.0	26.85	AV	266.00	200	Horizontal	Pass
2	2889.300	44.13	-12.15	74.0	29.87	Peak	24.00	200	Horizontal	Pass
2**	2889.300	35.26	-12.15	54.0	18.74	AV	24.00	200	Horizontal	Pass
3	4372.000	48.22	-7.04	74.0	25.78	Peak	188.00	200	Horizontal	Pass
3**	4372.000	38.47	-7.04	54.0	15.53	AV	188.00	200	Horizontal	Pass
4	5314.500	100.69	-5.72	--	--	Peak	315.00	200	Horizontal	N/A
4**	5314.500	92.86	-5.72	--	--	AV	315.00	200	Horizontal	N/A
5	7494.000	54.26	-0.41	74.0	19.74	Peak	15.00	150	Horizontal	Pass
5**	7494.000	46.40	-0.41	54.0	7.60	AV	15.00	150	Horizontal	Pass
6	12338.650	53.02	0.72	74.0	20.98	Peak	104.00	400	Horizontal	Pass
6**	12338.650	43.39	0.72	54.0	10.61	AV	104.00	400	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	1503.400	37.16	-19.55	74.0	36.84	Peak	86.00	300	Vertical	Pass
1**	1503.400	29.36	-19.55	54.0	24.64	AV	86.00	300	Vertical	Pass
2	2874.600	43.60	-12.37	74.0	30.40	Peak	226.00	300	Vertical	Pass
2**	2874.600	34.35	-12.37	54.0	19.65	AV	226.00	300	Vertical	Pass
3	4343.000	47.64	-6.26	74.0	26.36	Peak	303.00	200	Vertical	Pass
3**	4343.000	39.42	-6.26	54.0	14.58	AV	303.00	200	Vertical	Pass
4	5311.750	96.39	-5.71	--	--	Peak	35.00	300	Vertical	N/A
4**	5311.750	87.58	-5.71	--	--	AV	35.00	300	Vertical	N/A
5	7541.250	54.26	-0.23	74.0	19.74	Peak	113.00	200	Vertical	Pass
5**	7541.250	45.55	-0.23	54.0	8.45	AV	113.00	200	Vertical	Pass
6	12348.151	52.83	0.73	74.0	21.17	Peak	70.00	100	Vertical	Pass
6**	12348.151	44.42	0.73	54.0	9.58	AV	70.00	100	Vertical	Pass

11ac20, U-NII-2A, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1384.600	37.13	-19.62	74.0	36.87	Peak	126.00	150	Horizontal	Pass
1**	1384.600	27.66	-19.62	54.0	26.34	AV	126.00	150	Horizontal	Pass
2	2793.700	43.52	-12.54	74.0	30.48	Peak	5.00	400	Horizontal	Pass
2**	2793.700	33.94	-12.54	54.0	20.06	AV	5.00	400	Horizontal	Pass
3	4339.500	48.54	-6.24	74.0	25.46	Peak	355.00	200	Horizontal	Pass
3**	4339.500	38.32	-6.24	54.0	15.68	AV	355.00	200	Horizontal	Pass
4	5262.000	103.66	-5.21	--	--	Peak	61.00	100	Horizontal	N/A
4**	5262.000	96.21	-5.21	--	--	AV	61.00	100	Horizontal	N/A
5	7598.750	54.71	-0.36	74.0	19.29	Peak	260.00	150	Horizontal	Pass
5**	7598.750	46.11	-0.36	54.0	7.89	AV	260.00	150	Horizontal	Pass
6	12336.513	53.93	0.71	74.0	20.07	Peak	96.00	400	Horizontal	Pass
6**	12336.513	44.74	0.71	54.0	9.26	AV	96.00	400	Horizontal	Pass

11ac20, U-NII-2A, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1302.400	38.34	-19.72	74.0	35.66	Peak	0.00	400	Vertical	Pass
1**	1302.400	27.73	-19.72	54.0	26.27	AV	0.00	400	Vertical	Pass
2	2844.800	43.49	-12.32	74.0	30.51	Peak	69.00	300	Vertical	Pass
2**	2844.800	33.67	-12.32	54.0	20.33	AV	69.00	300	Vertical	Pass
3	4319.500	47.71	-5.98	74.0	26.29	Peak	0.00	100	Vertical	Pass
3**	4319.500	38.30	-5.98	54.0	15.70	AV	0.00	100	Vertical	Pass
4	5256.000	99.57	-5.24	--	--	Peak	32.00	200	Vertical	N/A
4**	5256.000	93.12	-5.24	--	--	AV	32.00	200	Vertical	N/A
5	7579.250	53.87	-1.46	74.0	20.13	Peak	330.00	150	Vertical	Pass
5**	7579.250	44.89	-1.46	54.0	9.11	AV	330.00	150	Vertical	Pass
6	12326.300	52.61	0.70	74.0	21.39	Peak	48.00	400	Vertical	Pass
6**	12326.300	43.68	0.70	54.0	10.32	AV	48.00	400	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	1454.700	37.67	-19.72	74.0	36.33	Peak	39.00	100	Horizontal	Pass
1**	1454.700	27.30	-19.72	54.0	26.70	AV	39.00	100	Horizontal	Pass
2	2852.400	43.91	-12.18	74.0	30.09	Peak	273.00	100	Horizontal	Pass
2**	2852.400	34.66	-12.18	54.0	19.34	AV	273.00	100	Horizontal	Pass
3	4325.500	47.91	-5.94	74.0	26.09	Peak	189.00	100	Horizontal	Pass
3**	4325.500	39.09	-5.94	54.0	14.91	AV	189.00	100	Horizontal	Pass
4	5301.000	104.60	-5.65	--	--	Peak	311.00	200	Horizontal	N/A
4**	5301.000	96.83	-5.65	--	--	AV	311.00	200	Horizontal	N/A
5	7542.750	54.58	-0.29	74.0	19.42	Peak	136.00	100	Horizontal	Pass
5**	7542.750	45.94	-0.29	54.0	8.06	AV	136.00	100	Horizontal	Pass
6	12354.562	52.73	0.70	74.0	21.27	Peak	172.00	200	Horizontal	Pass
6**	12354.562	43.72	0.70	54.0	10.28	AV	172.00	200	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	1368.000	37.09	-19.65	74.0	36.91	Peak	0.00	150	Vertical	Pass
1**	1368.000	28.46	-19.65	54.0	25.54	AV	0.00	150	Vertical	Pass
2	2722.500	43.46	-11.87	74.0	30.54	Peak	360.00	200	Vertical	Pass
2**	2722.500	34.57	-11.87	54.0	19.43	AV	360.00	200	Vertical	Pass
3	4323.750	47.01	-5.93	74.0	26.99	Peak	128.00	200	Vertical	Pass
3**	4323.750	38.19	-5.93	54.0	15.81	AV	128.00	200	Vertical	Pass
4	5299.250	99.81	-5.61	--	--	Peak	336.00	100	Vertical	N/A
4**	5299.250	92.31	-5.61	--	--	AV	336.00	100	Vertical	N/A
5	7494.750	54.86	-0.40	74.0	19.14	Peak	302.00	100	Vertical	Pass
5**	7494.750	45.77	-0.40	54.0	8.23	AV	302.00	100	Vertical	Pass
6	12354.088	52.91	0.70	74.0	21.09	Peak	277.00	400	Vertical	Pass
6**	12354.088	43.85	0.70	54.0	10.15	AV	277.00	400	Vertical	Pass

11ac20, 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	1361.400	37.31	-19.58	74.0	36.69	Peak	29.00	300	Horizontal	Pass
1**	1361.400	27.83	-19.58	54.0	26.17	AV	29.00	300	Horizontal	Pass
2	2733.300	43.64	-11.68	74.0	30.36	Peak	110.00	200	Horizontal	Pass
2**	2733.300	34.63	-11.68	54.0	19.37	AV	110.00	200	Horizontal	Pass
3	4325.000	48.21	-5.94	74.0	25.79	Peak	82.00	100	Horizontal	Pass
3**	4325.000	39.45	-5.94	54.0	14.55	AV	82.00	100	Horizontal	Pass
4	5316.500	105.30	-5.71	--	--	Peak	310.00	400	Horizontal	N/A
4**	5316.500	96.72	-5.71	--	--	AV	310.00	400	Horizontal	N/A
5	7490.000	54.44	-0.32	74.0	19.56	Peak	213.00	150	Horizontal	Pass
5**	7490.000	46.10	-0.32	54.0	7.90	AV	213.00	150	Horizontal	Pass
6	12335.325	53.87	0.71	74.0	20.13	Peak	349.00	300	Horizontal	Pass
6**	12335.325	43.49	0.71	54.0	10.51	AV	349.00	300	Horizontal	Pass

11ac20, 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	1564.800	37.01	-19.92	74.0	36.99	Peak	90.00	100	Vertical	Pass
1**	1564.800	27.46	-19.92	54.0	26.54	AV	90.00	100	Vertical	Pass
2	2885.900	43.88	-12.21	74.0	30.12	Peak	209.00	200	Vertical	Pass
2**	2885.900	34.16	-12.21	54.0	19.84	AV	209.00	200	Vertical	Pass
3	4325.750	47.36	-5.94	74.0	26.64	Peak	139.00	150	Vertical	Pass
3**	4325.750	38.63	-5.94	54.0	15.37	AV	139.00	150	Vertical	Pass
4	5320.750	99.57	-5.62	--	--	Peak	336.00	300	Vertical	N/A
4**	5320.750	92.27	-5.62	--	--	AV	336.00	300	Vertical	N/A
5	7485.250	55.41	-0.45	74.0	18.59	Peak	79.00	150	Vertical	Pass
5**	7485.250	45.57	-0.45	54.0	8.43	AV	79.00	150	Vertical	Pass
6	12328.200	53.30	0.70	74.0	20.70	Peak	173.00	400	Vertical	Pass
6**	12328.200	44.19	0.70	54.0	9.81	AV	173.00	400	Vertical	Pass

11ac40, U-NII-2A, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1513.000	37.51	-19.64	74.0	36.49	Peak	70.00	100	Horizontal	Pass
1**	1513.000	27.92	-19.64	54.0	26.08	AV	70.00	100	Horizontal	Pass
2	2874.600	43.64	-12.37	74.0	30.36	Peak	253.00	100	Horizontal	Pass
2**	2874.600	33.73	-12.37	54.0	20.27	AV	253.00	100	Horizontal	Pass
3	4324.750	47.55	-5.93	74.0	26.45	Peak	86.00	200	Horizontal	Pass
3**	4324.750	39.00	-5.93	54.0	15.00	AV	86.00	200	Horizontal	Pass
4	5280.000	100.75	-5.02	--	--	Peak	319.00	400	Horizontal	N/A
4**	5280.000	92.53	-5.02	--	--	AV	319.00	400	Horizontal	N/A
5	7496.500	54.81	-0.53	74.0	19.19	Peak	328.00	150	Horizontal	Pass
5**	7496.500	46.21	-0.53	54.0	7.79	AV	328.00	150	Horizontal	Pass
6	12329.625	52.80	0.70	74.0	21.20	Peak	149.00	300	Horizontal	Pass
6**	12329.625	43.97	0.70	54.0	10.03	AV	149.00	300	Horizontal	Pass

11ac40, U-NII-2A, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1373.200	37.30	-19.63	74.0	36.70	Peak	276.00	300	Vertical	Pass
1**	1373.200	27.00	-19.63	54.0	27.00	AV	276.00	300	Vertical	Pass
2	2868.000	43.29	-12.40	74.0	30.71	Peak	360.00	400	Vertical	Pass
2**	2868.000	34.08	-12.40	54.0	19.92	AV	360.00	400	Vertical	Pass
3	4340.750	47.13	-6.29	74.0	26.87	Peak	335.00	100	Vertical	Pass
3**	4340.750	39.01	-6.29	54.0	14.99	AV	335.00	100	Vertical	Pass
4	5266.750	95.53	-5.11	--	--	Peak	36.00	300	Vertical	N/A
4**	5266.750	87.77	-5.11	--	--	AV	36.00	300	Vertical	N/A
5	7589.000	55.39	-0.87	74.0	18.61	Peak	151.00	200	Vertical	Pass
5**	7589.000	45.17	-0.87	54.0	8.83	AV	151.00	200	Vertical	Pass
6	12674.237	52.60	0.62	74.0	21.40	Peak	360.00	300	Vertical	Pass
6**	12674.237	44.19	0.62	54.0	9.81	AV	360.00	300	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	1604.500	37.07	-19.99	74.0	36.93	Peak	314.00	100	Horizontal	Pass
1**	1604.500	27.92	-19.99	54.0	26.08	AV	314.00	100	Horizontal	Pass
2	2718.600	43.52	-12.29	74.0	30.48	Peak	149.00	300	Horizontal	Pass
2**	2718.600	34.01	-12.29	54.0	19.99	AV	149.00	300	Horizontal	Pass
3	4344.250	47.89	-6.33	74.0	26.11	Peak	43.00	200	Horizontal	Pass
3**	4344.250	38.84	-6.33	54.0	15.16	AV	43.00	200	Horizontal	Pass
4	5311.000	100.83	-5.72	--	--	Peak	309.00	400	Horizontal	N/A
4**	5311.000	92.86	-5.72	--	--	AV	309.00	400	Horizontal	N/A
5	7502.000	55.19	-0.86	74.0	18.81	Peak	360.00	150	Horizontal	Pass
5**	7502.000	45.54	-0.86	54.0	8.46	AV	360.00	150	Horizontal	Pass
6	12344.112	52.86	0.73	74.0	21.14	Peak	327.00	150	Horizontal	Pass
6**	12344.112	44.46	0.73	54.0	9.54	AV	327.00	150	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	1351.000	37.26	-19.77	74.0	36.74	Peak	244.00	300	Vertical	Pass
1**	1351.000	27.46	-19.77	54.0	26.54	AV	244.00	300	Vertical	Pass
2	2749.800	43.81	-12.88	74.0	30.19	Peak	276.00	100	Vertical	Pass
2**	2749.800	34.27	-12.88	54.0	19.73	AV	276.00	100	Vertical	Pass
3	4331.250	47.22	-6.01	74.0	26.78	Peak	243.00	200	Vertical	Pass
3**	4331.250	38.58	-6.01	54.0	15.42	AV	243.00	200	Vertical	Pass
4	5306.500	94.60	-5.71	--	--	Peak	27.00	400	Vertical	N/A
4**	5306.500	87.08	-5.71	--	--	AV	27.00	400	Vertical	N/A
5	7542.000	54.64	-0.25	74.0	19.36	Peak	130.00	200	Vertical	Pass
5**	7542.000	45.34	-0.25	54.0	8.66	AV	130.00	200	Vertical	Pass
6	12344.112	53.48	0.73	74.0	20.52	Peak	168.00	200	Vertical	Pass
6**	12344.112	44.64	0.73	54.0	9.36	AV	168.00	200	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	1395.100	37.33	-19.60	74.0	36.67	Peak	237.00	200	Horizontal	Pass
1**	1395.100	27.39	-19.60	54.0	26.61	AV	237.00	200	Horizontal	Pass
2	2724.500	43.55	-11.72	74.0	30.45	Peak	104.00	300	Horizontal	Pass
2**	2724.500	34.48	-11.72	54.0	19.52	AV	104.00	300	Horizontal	Pass
3	4328.500	48.05	-5.93	74.0	25.95	Peak	230.00	150	Horizontal	Pass
3**	4328.500	39.37	-5.93	54.0	14.63	AV	230.00	150	Horizontal	Pass
4	5283.500	97.01	-5.14	--	--	Peak	49.00	100	Horizontal	N/A
4**	5283.500	89.94	-5.14	--	--	AV	49.00	100	Horizontal	N/A
5	7496.000	55.13	-0.49	74.0	18.87	Peak	344.00	100	Horizontal	Pass
5**	7496.000	46.58	-0.49	54.0	7.42	AV	344.00	100	Horizontal	Pass
6	12667.350	53.56	0.65	74.0	20.44	Peak	322.00	300	Horizontal	Pass
6**	12667.350	43.22	0.65	54.0	10.78	AV	322.00	300	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	1327.400	37.50	-19.77	74.0	36.50	Peak	357.00	300	Vertical	Pass
1**	1327.400	26.93	-19.77	54.0	27.07	AV	357.00	300	Vertical	Pass
2	2785.700	44.01	-12.81	74.0	29.99	Peak	0.00	300	Vertical	Pass
2**	2785.700	34.06	-12.81	54.0	19.94	AV	0.00	300	Vertical	Pass
3	4293.000	48.32	-6.76	74.0	25.68	Peak	159.00	150	Vertical	Pass
3**	4293.000	38.25	-6.76	54.0	15.75	AV	159.00	150	Vertical	Pass
4	5280.750	91.49	-5.04	--	--	Peak	36.00	300	Vertical	N/A
4**	5280.750	84.11	-5.04	--	--	AV	36.00	300	Vertical	N/A
5	7491.000	54.53	-0.34	74.0	19.47	Peak	73.00	100	Vertical	Pass
5**	7491.000	45.59	-0.34	54.0	8.41	AV	73.00	100	Vertical	Pass
6	12509.650	53.00	0.72	74.0	21.00	Peak	288.00	200	Vertical	Pass
6**	12509.650	43.09	0.72	54.0	10.91	AV	288.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1547.400	37.17	-19.78	74.0	36.83	Peak	134.00	300	Horizontal	Pass
1**	1547.400	28.24	-19.78	54.0	25.76	AV	134.00	300	Horizontal	Pass
2	2786.300	43.27	-12.78	74.0	30.73	Peak	342.00	300	Horizontal	Pass
2**	2786.300	34.30	-12.78	54.0	19.70	AV	342.00	300	Horizontal	Pass
3	4367.250	47.34	-6.82	74.0	26.66	Peak	148.00	100	Horizontal	Pass
3**	4367.250	37.54	-6.82	54.0	16.46	AV	148.00	100	Horizontal	Pass
4	5501.500	98.64	-4.82	--	--	Peak	70.00	200	Horizontal	N/A
4**	5501.500	91.80	-4.82	--	--	AV	70.00	200	Horizontal	N/A
5	7496.250	54.73	-0.51	74.0	19.27	Peak	184.00	100	Horizontal	Pass
5**	7496.250	45.69	-0.51	54.0	8.31	AV	184.00	100	Horizontal	Pass
6	12339.599	52.83	0.72	74.0	21.17	Peak	328.00	300	Horizontal	Pass
6**	12339.599	43.94	0.72	54.0	10.06	AV	328.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1525.300	37.20	-19.60	74.0	36.80	Peak	270.00	300	Vertical	Pass
1**	1525.300	27.65	-19.60	54.0	26.35	AV	270.00	300	Vertical	Pass
2	2866.500	43.61	-12.32	74.0	30.39	Peak	114.00	300	Vertical	Pass
2**	2866.500	34.42	-12.32	54.0	19.58	AV	114.00	300	Vertical	Pass
3	4328.500	48.50	-5.93	74.0	25.50	Peak	360.00	200	Vertical	Pass
3**	4328.500	38.32	-5.93	54.0	15.68	AV	360.00	200	Vertical	Pass
4	5502.250	94.51	-4.85	--	--	Peak	28.00	400	Vertical	N/A
4**	5502.250	86.31	-4.85	--	--	AV	28.00	400	Vertical	N/A
5	7501.750	54.02	-0.84	74.0	19.98	Peak	160.00	100	Vertical	Pass
5**	7501.750	45.92	-0.84	54.0	8.08	AV	160.00	100	Vertical	Pass
6	12356.700	52.45	0.68	74.0	21.55	Peak	151.00	300	Vertical	Pass
6**	12356.700	44.04	0.68	54.0	9.96	AV	151.00	300	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	1342.600	37.64	-19.81	74.0	36.36	Peak	359.00	100	Horizontal	Pass
1**	1342.600	27.09	-19.81	54.0	26.91	AV	359.00	100	Horizontal	Pass
2	2817.300	44.20	-12.89	74.0	29.80	Peak	337.00	400	Horizontal	Pass
2**	2817.300	34.31	-12.89	54.0	19.69	AV	337.00	400	Horizontal	Pass
3	4325.500	47.59	-5.94	74.0	26.41	Peak	198.00	200	Horizontal	Pass
3**	4325.500	38.52	-5.94	54.0	15.48	AV	198.00	200	Horizontal	Pass
4	5582.000	99.20	-5.21	--	--	Peak	318.00	400	Horizontal	N/A
4**	5582.000	91.88	-5.21	--	--	AV	318.00	400	Horizontal	N/A
5	7605.000	54.08	-0.66	74.0	19.92	Peak	0.00	150	Horizontal	Pass
5**	7605.000	45.08	-0.66	54.0	8.92	AV	0.00	150	Horizontal	Pass
6	12308.250	53.31	0.67	74.0	20.69	Peak	335.00	400	Horizontal	Pass
6**	12308.250	42.98	0.67	54.0	11.02	AV	335.00	400	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	1575.100	37.18	-19.92	74.0	36.82	Peak	18.00	400	Vertical	Pass
1**	1575.100	27.67	-19.92	54.0	26.33	AV	18.00	400	Vertical	Pass
2	2883.500	43.94	-12.28	74.0	30.06	Peak	107.00	100	Vertical	Pass
2**	2883.500	34.15	-12.28	54.0	19.85	AV	107.00	100	Vertical	Pass
3	4341.500	47.87	-6.32	74.0	26.13	Peak	217.00	200	Vertical	Pass
3**	4341.500	38.79	-6.32	54.0	15.21	AV	217.00	200	Vertical	Pass
4	5579.000	94.63	-5.25	--	--	Peak	34.00	200	Vertical	N/A
4**	5579.000	87.64	-5.25	--	--	AV	34.00	200	Vertical	N/A
5	7497.750	54.95	-0.62	74.0	19.05	Peak	217.00	100	Vertical	Pass
5**	7497.750	45.45	-0.62	54.0	8.55	AV	217.00	100	Vertical	Pass
6	12345.538	53.15	0.73	74.0	20.85	Peak	208.00	300	Vertical	Pass
6**	12345.538	43.77	0.73	54.0	10.23	AV	208.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1529.100	37.32	-19.66	74.0	36.68	Peak	199.00	200	Horizontal	Pass
1**	1529.100	27.48	-19.66	54.0	26.52	AV	199.00	200	Horizontal	Pass
2	2883.800	44.08	-12.28	74.0	29.92	Peak	0.00	400	Horizontal	Pass
2**	2883.800	34.26	-12.28	54.0	19.74	AV	0.00	400	Horizontal	Pass
3	4337.500	48.38	-6.10	74.0	25.62	Peak	0.00	200	Horizontal	Pass
3**	4337.500	38.99	-6.10	54.0	15.01	AV	0.00	200	Horizontal	Pass
4	5698.250	98.45	-5.18	--	--	Peak	317.00	100	Horizontal	N/A
4**	5698.250	90.56	-5.18	--	--	AV	317.00	100	Horizontal	N/A
5	7492.500	54.10	-0.41	74.0	19.90	Peak	267.00	200	Horizontal	Pass
5**	7492.500	46.02	-0.41	54.0	7.98	AV	267.00	200	Horizontal	Pass
6	12351.950	53.10	0.72	74.0	20.90	Peak	184.00	300	Horizontal	Pass
6**	12351.950	43.79	0.72	54.0	10.21	AV	184.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1462.800	37.70	-19.75	74.0	36.30	Peak	21.00	300	Vertical	Pass
1**	1462.800	27.25	-19.75	54.0	26.75	AV	21.00	300	Vertical	Pass
2	2869.400	44.09	-12.43	74.0	29.91	Peak	121.00	100	Vertical	Pass
2**	2869.400	34.34	-12.43	54.0	19.66	AV	121.00	100	Vertical	Pass
3	4357.250	47.86	-6.62	74.0	26.14	Peak	335.00	200	Vertical	Pass
3**	4357.250	38.54	-6.62	54.0	15.46	AV	335.00	200	Vertical	Pass
4	5696.750	94.67	-5.14	--	--	Peak	35.00	100	Vertical	N/A
4**	5696.750	87.21	-5.14	--	--	AV	35.00	100	Vertical	N/A
5	7583.500	55.23	-1.33	74.0	18.77	Peak	352.00	100	Vertical	Pass
5**	7583.500	44.65	-1.33	54.0	9.35	AV	352.00	100	Vertical	Pass
6	12328.912	53.47	0.70	74.0	20.53	Peak	217.00	300	Vertical	Pass
6**	12328.912	44.68	0.70	54.0	9.32	AV	217.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1497.100	37.32	-19.52	74.0	36.68	Peak	201.00	300	Horizontal	Pass
1**	1497.100	27.51	-19.52	54.0	26.49	AV	201.00	300	Horizontal	Pass
2	2837.300	44.19	-12.55	74.0	29.81	Peak	46.00	400	Horizontal	Pass
2**	2837.300	33.84	-12.55	54.0	20.16	AV	46.00	400	Horizontal	Pass
3	4341.000	47.72	-6.30	74.0	26.28	Peak	74.00	100	Horizontal	Pass
3**	4341.000	38.84	-6.30	54.0	15.16	AV	74.00	100	Horizontal	Pass
4	5501.000	98.72	-4.81	--	--	Peak	318.00	200	Horizontal	N/A
4**	5501.000	91.27	-4.81	--	--	AV	318.00	200	Horizontal	N/A
5	7486.750	54.60	-0.37	74.0	19.40	Peak	274.00	100	Horizontal	Pass
5**	7486.750	46.32	-0.37	54.0	7.68	AV	274.00	100	Horizontal	Pass
6	12676.850	53.72	0.61	74.0	20.28	Peak	43.00	300	Horizontal	Pass
6**	12676.850	43.23	0.61	54.0	10.77	AV	43.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1489.200	36.96	-19.53	74.0	37.04	Peak	0.00	300	Vertical	Pass
1**	1489.200	28.06	-19.53	54.0	25.94	AV	0.00	300	Vertical	Pass
2	2723.400	43.46	-11.80	74.0	30.54	Peak	159.00	400	Vertical	Pass
2**	2723.400	34.74	-11.80	54.0	19.26	AV	159.00	400	Vertical	Pass
3	4332.750	47.87	-6.09	74.0	26.13	Peak	360.00	200	Vertical	Pass
3**	4332.750	38.21	-6.09	54.0	15.79	AV	360.00	200	Vertical	Pass
4	5501.250	94.99	-4.82	--	--	Peak	29.00	400	Vertical	N/A
4**	5501.250	86.89	-4.82	--	--	AV	29.00	400	Vertical	N/A
5	7490.750	55.23	-0.33	74.0	18.77	Peak	38.00	200	Vertical	Pass
5**	7490.750	45.52	-0.33	54.0	8.48	AV	38.00	200	Vertical	Pass
6	12322.025	52.68	0.69	74.0	21.32	Peak	338.00	150	Vertical	Pass
6**	12322.025	44.20	0.69	54.0	9.80	AV	338.00	150	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	1534.100	37.22	-19.68	74.0	36.78	Peak	124.00	100	Horizontal	Pass
1**	1534.100	26.64	-19.68	54.0	27.36	AV	124.00	100	Horizontal	Pass
2	2889.100	43.60	-12.14	74.0	30.40	Peak	206.00	100	Horizontal	Pass
2**	2889.100	34.43	-12.14	54.0	19.57	AV	206.00	100	Horizontal	Pass
3	4302.000	47.93	-6.56	74.0	26.07	Peak	18.00	100	Horizontal	Pass
3**	4302.000	38.07	-6.56	54.0	15.93	AV	18.00	100	Horizontal	Pass
4	5577.250	97.94	-5.25	--	--	Peak	313.00	100	Horizontal	N/A
4**	5577.250	89.71	-5.25	--	--	AV	313.00	100	Horizontal	N/A
5	7502.250	54.61	-0.88	74.0	19.39	Peak	158.00	100	Horizontal	Pass
5**	7502.250	45.33	-0.88	54.0	8.67	AV	158.00	100	Horizontal	Pass
6	12354.326	53.15	0.70	74.0	20.85	Peak	0.00	100	Horizontal	Pass
6**	12354.326	43.75	0.70	54.0	10.25	AV	0.00	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	1509.400	36.59	-19.58	74.0	37.41	Peak	317.00	150	Vertical	Pass
1**	1509.400	26.72	-19.58	54.0	27.28	AV	317.00	150	Vertical	Pass
2	2742.400	43.53	-12.55	74.0	30.47	Peak	70.00	200	Vertical	Pass
2**	2742.400	33.29	-12.55	54.0	20.71	AV	70.00	200	Vertical	Pass
3	4205.750	47.37	-7.58	74.0	26.63	Peak	354.00	200	Vertical	Pass
3**	4205.750	36.82	-7.58	54.0	17.18	AV	354.00	200	Vertical	Pass
4	5577.750	92.71	-5.24	--	--	Peak	64.00	400	Vertical	N/A
4**	5577.750	85.39	-5.24	--	--	AV	64.00	400	Vertical	N/A
5	7492.500	54.77	-0.41	74.0	19.23	Peak	301.00	100	Vertical	Pass
5**	7492.500	45.00	-0.41	54.0	9.00	AV	301.00	100	Vertical	Pass
6	12338.888	52.91	0.72	74.0	21.09	Peak	341.00	200	Vertical	Pass
6**	12338.888	44.18	0.72	54.0	9.82	AV	341.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1399.100	37.44	-19.56	74.0	36.56	Peak	164.00	400	Horizontal	Pass
1**	1399.100	27.90	-19.56	54.0	26.10	AV	164.00	400	Horizontal	Pass
2	2891.300	44.25	-12.19	74.0	29.75	Peak	357.00	150	Horizontal	Pass
2**	2891.300	33.50	-12.19	54.0	20.50	AV	357.00	150	Horizontal	Pass
3	4348.250	47.35	-6.52	74.0	26.65	Peak	165.00	200	Horizontal	Pass
3**	4348.250	38.94	-6.52	54.0	15.06	AV	165.00	200	Horizontal	Pass
4	5697.750	97.35	-5.17	--	--	Peak	312.00	300	Horizontal	N/A
4**	5697.750	89.22	-5.17	--	--	AV	312.00	300	Horizontal	N/A
5	7539.250	54.19	-0.21	74.0	19.81	Peak	183.00	200	Horizontal	Pass
5**	7539.250	45.46	-0.21	54.0	8.54	AV	183.00	200	Horizontal	Pass
6	12333.187	53.25	0.71	74.0	20.75	Peak	360.00	200	Horizontal	Pass
6**	12333.187	43.67	0.71	54.0	10.33	AV	360.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1546.500	36.68	-19.79	74.0	37.32	Peak	200.00	200	Vertical	Pass
1**	1546.500	27.13	-19.79	54.0	26.87	AV	200.00	200	Vertical	Pass
2	2854.000	43.17	-12.28	74.0	30.83	Peak	325.00	400	Vertical	Pass
2**	2854.000	34.10	-12.28	54.0	19.90	AV	325.00	400	Vertical	Pass
3	4329.750	47.53	-5.96	74.0	26.47	Peak	13.00	150	Vertical	Pass
3**	4329.750	38.59	-5.96	54.0	15.41	AV	13.00	150	Vertical	Pass
4	5701.250	92.94	-5.24	--	--	Peak	360.00	400	Vertical	N/A
4**	5701.250	85.22	-5.24	--	--	AV	360.00	400	Vertical	N/A
5	7502.250	54.05	-0.88	74.0	19.95	Peak	179.00	150	Vertical	Pass
5**	7502.250	45.58	-0.88	54.0	8.42	AV	179.00	150	Vertical	Pass
6	12334.612	53.37	0.71	74.0	20.63	Peak	81.00	300	Vertical	Pass
6**	12334.612	43.86	0.71	54.0	10.14	AV	81.00	300	Vertical	Pass

11n40, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1499.500	36.52	-19.49	74.0	37.48	Peak	100.00	150	Horizontal	Pass
1**	1499.500	28.81	-19.49	54.0	25.19	AV	100.00	150	Horizontal	Pass
2	2749.400	43.48	-12.87	74.0	30.52	Peak	360.00	100	Horizontal	Pass
2**	2749.400	33.73	-12.87	54.0	20.27	AV	360.00	100	Horizontal	Pass
3	4321.000	47.46	-5.96	74.0	26.54	Peak	241.00	150	Horizontal	Pass
3**	4321.000	39.44	-5.96	54.0	14.56	AV	241.00	150	Horizontal	Pass
4	5512.250	98.60	-5.24	--	--	Peak	314.00	100	Horizontal	N/A
4**	5512.250	92.29	-5.24	--	--	AV	314.00	100	Horizontal	N/A
5	7596.750	55.05	-0.45	74.0	18.95	Peak	108.00	100	Horizontal	Pass
5**	7596.750	44.66	-0.45	54.0	9.34	AV	108.00	100	Horizontal	Pass
6	12329.625	52.79	0.70	74.0	21.21	Peak	123.00	300	Horizontal	Pass
6**	12329.625	43.60	0.70	54.0	10.40	AV	123.00	300	Horizontal	Pass

11n40, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.100	36.51	-19.75	74.0	37.49	Peak	120.00	150	Vertical	Pass
1**	1333.100	26.95	-19.75	54.0	27.05	AV	120.00	150	Vertical	Pass
2	2752.000	43.09	-12.96	74.0	30.91	Peak	295.00	100	Vertical	Pass
2**	2752.000	34.17	-12.96	54.0	19.83	AV	295.00	100	Vertical	Pass
3	4322.750	47.54	-5.92	74.0	26.46	Peak	283.00	200	Vertical	Pass
3**	4322.750	38.81	-5.92	54.0	15.19	AV	283.00	200	Vertical	Pass
4	5511.500	92.96	-5.21	--	--	Peak	39.00	100	Vertical	N/A
4**	5511.500	85.24	-5.21	--	--	AV	39.00	100	Vertical	N/A
5	7593.500	54.78	-0.56	74.0	19.22	Peak	154.00	200	Vertical	Pass
5**	7593.500	46.04	-0.56	54.0	7.96	AV	154.00	200	Vertical	Pass
6	12350.525	52.90	0.73	74.0	21.10	Peak	360.00	100	Vertical	Pass
6**	12350.525	44.12	0.73	54.0	9.88	AV	360.00	100	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	1617.500	37.15	-19.82	74.0	36.85	Peak	13.00	150	Horizontal	Pass
1**	1617.500	27.78	-19.82	54.0	26.22	AV	13.00	150	Horizontal	Pass
2	2741.500	43.28	-12.48	74.0	30.72	Peak	118.00	100	Horizontal	Pass
2**	2741.500	33.24	-12.48	54.0	20.76	AV	118.00	100	Horizontal	Pass
3	4348.000	47.25	-6.51	74.0	26.75	Peak	33.00	150	Horizontal	Pass
3**	4348.000	38.66	-6.51	54.0	15.34	AV	33.00	150	Horizontal	Pass
4	5584.500	97.68	-5.22	--	--	Peak	306.00	200	Horizontal	N/A
4**	5584.500	89.76	-5.22	--	--	AV	306.00	200	Horizontal	N/A
5	7600.750	54.49	-0.40	74.0	19.51	Peak	360.00	200	Horizontal	Pass
5**	7600.750	45.56	-0.40	54.0	8.44	AV	360.00	200	Horizontal	Pass
6	12317.038	52.99	0.68	74.0	21.01	Peak	325.00	100	Horizontal	Pass
6**	12317.038	43.64	0.68	54.0	10.36	AV	325.00	100	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	1609.200	37.82	-19.92	74.0	36.18	Peak	123.00	100	Vertical	Pass
1**	1609.200	26.88	-19.92	54.0	27.12	AV	123.00	100	Vertical	Pass
2	2869.600	42.87	-12.43	74.0	31.13	Peak	191.00	200	Vertical	Pass
2**	2869.600	33.97	-12.43	54.0	20.03	AV	191.00	200	Vertical	Pass
3	4341.000	47.14	-6.30	74.0	26.86	Peak	345.00	100	Vertical	Pass
3**	4341.000	38.71	-6.30	54.0	15.29	AV	345.00	100	Vertical	Pass
4	5583.750	92.54	-5.21	--	--	Peak	360.00	300	Vertical	N/A
4**	5583.750	83.87	-5.21	--	--	AV	360.00	300	Vertical	N/A
5	7488.250	53.92	-0.34	74.0	20.08	Peak	189.00	150	Vertical	Pass
5**	7488.250	45.15	-0.34	54.0	8.85	AV	189.00	150	Vertical	Pass
6	12339.125	52.87	0.72	74.0	21.13	Peak	0.00	150	Vertical	Pass
6**	12339.125	43.96	0.72	54.0	10.04	AV	0.00	150	Vertical	Pass

11n40, 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	1492.700	37.00	-19.43	74.0	37.00	Peak	223.00	300	Horizontal	Pass
1**	1492.700	26.77	-19.43	54.0	27.23	AV	223.00	300	Horizontal	Pass
2	2885.600	43.23	-12.22	74.0	30.77	Peak	61.00	100	Horizontal	Pass
2**	2885.600	34.42	-12.22	54.0	19.58	AV	61.00	100	Horizontal	Pass
3	4325.250	47.39	-5.94	74.0	26.61	Peak	50.00	200	Horizontal	Pass
3**	4325.250	38.11	-5.94	54.0	15.89	AV	50.00	200	Horizontal	Pass
4	5667.750	96.76	-5.05	--	--	Peak	313.00	400	Horizontal	N/A
4**	5667.750	89.62	-5.05	--	--	AV	313.00	400	Horizontal	N/A
5	7495.500	55.07	-0.45	74.0	18.93	Peak	122.00	150	Horizontal	Pass
5**	7495.500	45.46	-0.45	54.0	8.54	AV	122.00	150	Horizontal	Pass
6	12532.924	52.77	1.23	74.0	21.23	Peak	71.00	100	Horizontal	Pass
6**	12532.924	43.05	1.23	54.0	10.95	AV	71.00	100	Horizontal	Pass

11n40, 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	1415.600	37.12	-19.84	74.0	36.88	Peak	285.00	300	Vertical	Pass
1**	1415.600	27.06	-19.84	54.0	26.94	AV	285.00	300	Vertical	Pass
2	2813.100	43.18	-13.00	74.0	30.82	Peak	331.00	300	Vertical	Pass
2**	2813.100	34.12	-13.00	54.0	19.88	AV	331.00	300	Vertical	Pass
3	4331.000	47.19	-6.00	74.0	26.81	Peak	323.00	100	Vertical	Pass
3**	4331.000	38.02	-6.00	54.0	15.98	AV	323.00	100	Vertical	Pass
4	5674.500	92.73	-5.07	--	--	Peak	323.00	100	Vertical	N/A
4**	5674.500	85.20	-5.07	--	--	AV	323.00	100	Vertical	N/A
5	7506.750	54.07	-1.14	74.0	19.93	Peak	249.00	100	Vertical	Pass
5**	7506.750	45.14	-1.14	54.0	8.86	AV	249.00	100	Vertical	Pass
6	12351.000	53.56	0.73	74.0	20.44	Peak	24.00	200	Vertical	Pass
6**	12351.000	43.81	0.73	54.0	10.19	AV	24.00	200	Vertical	Pass

11ac20, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1604.800	37.50	-19.97	74.0	36.50	Peak	5.00	100	Horizontal	Pass
1**	1604.800	27.09	-19.97	54.0	26.91	AV	5.00	100	Horizontal	Pass
2	2854.200	43.08	-12.29	74.0	30.92	Peak	56.00	200	Horizontal	Pass
2**	2854.200	34.16	-12.29	54.0	19.84	AV	56.00	200	Horizontal	Pass
3	4333.000	48.75	-6.10	74.0	25.25	Peak	224.00	200	Horizontal	Pass
3**	4333.000	39.20	-6.10	54.0	14.80	AV	224.00	200	Horizontal	Pass
4	5501.750	99.91	-4.83	--	--	Peak	313.00	300	Horizontal	N/A
4**	5501.750	91.82	-4.83	--	--	AV	313.00	300	Horizontal	N/A
5	7506.250	54.89	-1.10	74.0	19.11	Peak	242.00	150	Horizontal	Pass
5**	7506.250	45.42	-1.10	54.0	8.58	AV	242.00	150	Horizontal	Pass
6	12334.137	52.57	0.71	74.0	21.43	Peak	139.00	300	Horizontal	Pass
6**	12334.137	44.38	0.71	54.0	9.62	AV	139.00	300	Horizontal	Pass

11ac20, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1503.800	36.91	-19.55	74.0	37.09	Peak	207.00	100	Vertical	Pass
1**	1503.800	28.34	-19.55	54.0	25.66	AV	207.00	100	Vertical	Pass
2	2734.100	43.18	-11.76	74.0	30.82	Peak	170.00	400	Vertical	Pass
2**	2734.100	33.48	-11.76	54.0	20.52	AV	170.00	400	Vertical	Pass
3	4281.500	47.53	-6.94	74.0	26.47	Peak	169.00	200	Vertical	Pass
3**	4281.500	37.18	-6.94	54.0	16.82	AV	169.00	200	Vertical	Pass
4	5500.500	94.39	-4.79	--	--	Peak	51.00	100	Vertical	N/A
4**	5500.500	87.02	-4.79	--	--	AV	51.00	100	Vertical	N/A
5	7539.000	54.36	-0.22	74.0	19.64	Peak	15.00	200	Vertical	Pass
5**	7539.000	45.02	-0.22	54.0	8.98	AV	15.00	200	Vertical	Pass
6	12331.763	52.59	0.71	74.0	21.41	Peak	82.00	200	Vertical	Pass
6**	12331.763	43.78	0.71	54.0	10.22	AV	82.00	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	1543.400	37.30	-19.75	74.0	36.70	Peak	146.00	100	Horizontal	Pass
1**	1543.400	27.52	-19.75	54.0	26.48	AV	146.00	100	Horizontal	Pass
2	2875.700	43.71	-12.36	74.0	30.29	Peak	307.00	400	Horizontal	Pass
2**	2875.700	33.87	-12.36	54.0	20.13	AV	307.00	400	Horizontal	Pass
3	4335.500	47.17	-6.13	74.0	26.83	Peak	360.00	100	Horizontal	Pass
3**	4335.500	38.42	-6.13	54.0	15.58	AV	360.00	100	Horizontal	Pass
4	5582.000	99.15	-5.21	--	--	Peak	315.00	200	Horizontal	N/A
4**	5582.000	91.22	-5.21	--	--	AV	315.00	200	Horizontal	N/A
5	7591.500	54.08	-0.70	74.0	19.92	Peak	288.00	200	Horizontal	Pass
5**	7591.500	44.78	-0.70	54.0	9.22	AV	288.00	200	Horizontal	Pass
6	12353.375	53.94	0.71	74.0	20.06	Peak	25.00	300	Horizontal	Pass
6**	12353.375	43.57	0.71	54.0	10.43	AV	25.00	300	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	1488.700	37.54	-19.55	74.0	36.46	Peak	331.00	300	Vertical	Pass
1**	1488.700	28.21	-19.55	54.0	25.79	AV	331.00	300	Vertical	Pass
2	2737.100	43.14	-11.97	74.0	30.86	Peak	16.00	300	Vertical	Pass
2**	2737.100	33.88	-11.97	54.0	20.12	AV	16.00	300	Vertical	Pass
3	4295.750	47.20	-6.74	74.0	26.80	Peak	227.00	100	Vertical	Pass
3**	4295.750	37.68	-6.74	54.0	16.32	AV	227.00	100	Vertical	Pass
4	5581.750	94.54	-5.22	--	--	Peak	327.00	200	Vertical	N/A
4**	5581.750	86.81	-5.22	--	--	AV	327.00	200	Vertical	N/A
5	7494.250	53.97	-0.41	74.0	20.03	Peak	145.00	100	Vertical	Pass
5**	7494.250	45.48	-0.41	54.0	8.52	AV	145.00	100	Vertical	Pass
6	12334.375	52.66	0.71	74.0	21.34	Peak	251.00	300	Vertical	Pass
6**	12334.375	44.21	0.71	54.0	9.79	AV	251.00	300	Vertical	Pass

11ac20, 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	1381.000	36.97	-19.61	74.0	37.03	Peak	105.00	100	Horizontal	Pass
1**	1381.000	27.36	-19.61	54.0	26.64	AV	105.00	100	Horizontal	Pass
2	2871.000	43.18	-12.40	74.0	30.82	Peak	9.00	100	Horizontal	Pass
2**	2871.000	33.74	-12.40	54.0	20.26	AV	9.00	100	Horizontal	Pass
3	4324.500	47.93	-5.93	74.0	26.07	Peak	144.00	100	Horizontal	Pass
3**	4324.500	38.45	-5.93	54.0	15.55	AV	144.00	100	Horizontal	Pass
4	5701.250	97.31	-5.24	--	--	Peak	316.00	400	Horizontal	N/A
4**	5701.250	90.30	-5.24	--	--	AV	316.00	400	Horizontal	N/A
5	7546.250	54.19	-0.61	74.0	19.81	Peak	152.00	200	Horizontal	Pass
5**	7546.250	44.82	-0.61	54.0	9.18	AV	152.00	200	Horizontal	Pass
6	12342.688	52.50	0.72	74.0	21.50	Peak	249.00	200	Horizontal	Pass
6**	12342.688	43.75	0.72	54.0	10.25	AV	249.00	200	Horizontal	Pass

11ac20, 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	1575.800	36.88	-19.95	74.0	37.12	Peak	323.00	100	Vertical	Pass
1**	1575.800	27.62	-19.95	54.0	26.38	AV	323.00	100	Vertical	Pass
2	2728.500	43.49	-11.47	74.0	30.51	Peak	0.00	100	Vertical	Pass
2**	2728.500	33.71	-11.47	54.0	20.29	AV	0.00	100	Vertical	Pass
3	4320.500	47.05	-5.98	74.0	26.95	Peak	123.00	200	Vertical	Pass
3**	4320.500	38.60	-5.98	54.0	15.40	AV	123.00	200	Vertical	Pass
4	5701.250	93.79	-5.24	--	--	Peak	344.00	300	Vertical	N/A
4**	5701.250	86.82	-5.24	--	--	AV	344.00	300	Vertical	N/A
5	7593.000	54.28	-0.59	74.0	19.72	Peak	344.00	200	Vertical	Pass
5**	7593.000	45.28	-0.59	54.0	8.72	AV	344.00	200	Vertical	Pass
6	12348.625	52.57	0.73	74.0	21.43	Peak	226.00	400	Vertical	Pass
6**	12348.625	43.52	0.73	54.0	10.48	AV	226.00	400	Vertical	Pass

11ac40, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1497.800	36.77	-19.53	74.0	37.23	Peak	322.00	150	Horizontal	Pass
1**	1497.800	28.01	-19.53	54.0	25.99	AV	322.00	150	Horizontal	Pass
2	2803.100	42.96	-12.94	74.0	31.04	Peak	243.00	400	Horizontal	Pass
2**	2803.100	34.35	-12.94	54.0	19.65	AV	243.00	400	Horizontal	Pass
3	4342.500	47.26	-6.28	74.0	26.74	Peak	337.00	200	Horizontal	Pass
3**	4342.500	38.84	-6.28	54.0	15.16	AV	337.00	200	Horizontal	Pass
4	5514.250	98.74	-5.22	--	--	Peak	309.00	100	Horizontal	N/A
4**	5514.250	90.40	-5.22	--	--	AV	309.00	100	Horizontal	N/A
5	7496.500	54.23	-0.53	74.0	19.77	Peak	162.00	100	Horizontal	Pass
5**	7496.500	45.26	-0.53	54.0	8.74	AV	162.00	100	Horizontal	Pass
6	12322.737	52.67	0.69	74.0	21.33	Peak	201.00	100	Horizontal	Pass
6**	12322.737	43.62	0.69	54.0	10.38	AV	201.00	100	Horizontal	Pass

11ac40, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1498.500	37.42	-19.52	74.0	36.58	Peak	333.00	200	Vertical	Pass
1**	1498.500	28.06	-19.52	54.0	25.94	AV	333.00	200	Vertical	Pass
2	2886.300	43.31	-12.19	74.0	30.69	Peak	3.00	100	Vertical	Pass
2**	2886.300	33.70	-12.19	54.0	20.30	AV	3.00	100	Vertical	Pass
3	4351.250	47.16	-6.61	74.0	26.84	Peak	15.00	150	Vertical	Pass
3**	4351.250	38.44	-6.61	54.0	15.56	AV	15.00	150	Vertical	Pass
4	5508.500	93.35	-5.08	--	--	Peak	345.00	300	Vertical	N/A
4**	5508.500	85.42	-5.08	--	--	AV	345.00	300	Vertical	N/A
5	7536.000	54.31	-0.37	74.0	19.69	Peak	290.00	150	Vertical	Pass
5**	7536.000	45.40	-0.37	54.0	8.60	AV	290.00	150	Vertical	Pass
6	12321.313	52.35	0.69	74.0	21.65	Peak	215.00	100	Vertical	Pass
6**	12321.313	43.67	0.69	54.0	10.33	AV	215.00	100	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	1531.500	37.67	-19.71	74.0	36.33	Peak	122.00	200	Horizontal	Pass
1**	1531.500	28.22	-19.71	54.0	25.78	AV	122.00	200	Horizontal	Pass
2	2721.800	44.10	-11.94	74.0	29.90	Peak	44.00	300	Horizontal	Pass
2**	2721.800	34.04	-11.94	54.0	19.96	AV	44.00	300	Horizontal	Pass
3	4306.250	47.33	-6.38	74.0	26.67	Peak	75.00	150	Horizontal	Pass
3**	4306.250	38.09	-6.38	54.0	15.91	AV	75.00	150	Horizontal	Pass
4	5588.500	97.84	-5.26	--	--	Peak	317.00	300	Horizontal	N/A
4**	5588.500	90.40	-5.26	--	--	AV	317.00	300	Horizontal	N/A
5	7495.000	54.23	-0.41	74.0	19.77	Peak	83.00	100	Horizontal	Pass
5**	7495.000	46.07	-0.41	54.0	7.93	AV	83.00	100	Horizontal	Pass
6	12302.312	52.49	0.66	74.0	21.51	Peak	337.00	400	Horizontal	Pass
6**	12302.312	43.12	0.66	54.0	10.88	AV	337.00	400	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	1480.300	38.00	-19.69	74.0	36.00	Peak	258.00	200	Vertical	Pass
1**	1480.300	27.23	-19.69	54.0	26.77	AV	258.00	200	Vertical	Pass
2	2873.800	43.60	-12.41	74.0	30.40	Peak	55.00	200	Vertical	Pass
2**	2873.800	33.95	-12.41	54.0	20.05	AV	55.00	200	Vertical	Pass
3	4320.000	48.08	-5.99	74.0	25.92	Peak	77.00	150	Vertical	Pass
3**	4320.000	38.21	-5.99	54.0	15.79	AV	77.00	150	Vertical	Pass
4	5584.500	93.00	-5.22	--	--	Peak	343.00	100	Vertical	N/A
4**	5584.500	85.16	-5.22	--	--	AV	343.00	100	Vertical	N/A
5	7499.500	54.75	-0.72	74.0	19.25	Peak	214.00	100	Vertical	Pass
5**	7499.500	44.46	-0.72	54.0	9.54	AV	214.00	100	Vertical	Pass
6	12351.000	52.43	0.73	74.0	21.57	Peak	117.00	100	Vertical	Pass
6**	12351.000	44.01	0.73	54.0	9.99	AV	117.00	100	Vertical	Pass

11ac40, 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	1564.300	36.82	-19.92	74.0	37.18	Peak	261.00	300	Horizontal	Pass
1**	1564.300	26.71	-19.92	54.0	27.29	AV	261.00	300	Horizontal	Pass
2	2732.000	43.20	-11.61	74.0	30.80	Peak	346.00	100	Horizontal	Pass
2**	2732.000	33.67	-11.61	54.0	20.33	AV	346.00	100	Horizontal	Pass
3	4082.500	47.29	-7.39	74.0	26.71	Peak	45.00	200	Horizontal	Pass
3**	4082.500	37.31	-7.39	54.0	16.69	AV	45.00	200	Horizontal	Pass
4	5665.250	96.75	-5.07	--	--	Peak	312.00	200	Horizontal	N/A
4**	5665.250	88.98	-5.07	--	--	AV	312.00	200	Horizontal	N/A
5	7536.500	53.91	-0.32	74.0	20.09	Peak	95.00	150	Horizontal	Pass
5**	7536.500	44.61	-0.32	54.0	9.39	AV	95.00	150	Horizontal	Pass
6	12343.400	53.02	0.73	74.0	20.98	Peak	209.00	300	Horizontal	Pass
6**	12343.400	43.70	0.73	54.0	10.30	AV	209.00	300	Horizontal	Pass

11ac40, 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	1578.000	36.70	-19.93	74.0	37.30	Peak	136.00	300	Vertical	Pass
1**	1578.000	26.43	-19.93	54.0	27.57	AV	136.00	300	Vertical	Pass
2	2892.200	43.56	-12.21	74.0	30.44	Peak	308.00	150	Vertical	Pass
2**	2892.200	34.07	-12.21	54.0	19.93	AV	308.00	150	Vertical	Pass
3	4338.750	46.95	-6.19	74.0	27.05	Peak	96.00	100	Vertical	Pass
3**	4338.750	39.17	-6.19	54.0	14.83	AV	96.00	100	Vertical	Pass
4	5667.750	93.29	-5.05	--	--	Peak	344.00	400	Vertical	N/A
4**	5667.750	85.28	-5.05	--	--	AV	344.00	400	Vertical	N/A
5	7495.500	53.90	-0.45	74.0	20.10	Peak	0.00	150	Vertical	Pass
5**	7495.500	46.50	-0.45	54.0	7.50	AV	0.00	150	Vertical	Pass
6	12360.025	53.54	0.65	74.0	20.46	Peak	0.00	150	Vertical	Pass
6**	12360.025	43.63	0.65	54.0	10.37	AV	0.00	150	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	1468.700	36.55	-19.77	74.0	37.45	Peak	232.00	150	Horizontal	Pass
1**	1468.700	28.54	-19.77	54.0	25.46	AV	232.00	150	Horizontal	Pass
2	2710.400	43.74	-12.90	74.0	30.26	Peak	297.00	300	Horizontal	Pass
2**	2710.400	32.91	-12.90	54.0	21.09	AV	297.00	300	Horizontal	Pass
3	4319.000	46.98	-5.96	74.0	27.02	Peak	15.00	150	Horizontal	Pass
3**	4319.000	38.01	-5.96	54.0	15.99	AV	15.00	150	Horizontal	Pass
4	5616.250	95.61	-5.32	--	--	Peak	319.00	100	Horizontal	N/A
4**	5616.250	88.24	-5.32	--	--	AV	319.00	100	Horizontal	N/A
5	7574.750	54.46	-1.56	74.0	19.54	Peak	170.00	150	Horizontal	Pass
5**	7574.750	45.08	-1.56	54.0	8.92	AV	170.00	150	Horizontal	Pass
6	12668.537	52.74	0.64	74.0	21.26	Peak	49.00	200	Horizontal	Pass
6**	12668.537	43.84	0.64	54.0	10.16	AV	49.00	200	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	1501.100	37.41	-19.50	74.0	36.59	Peak	22.00	400	Vertical	Pass
1**	1501.100	27.28	-19.50	54.0	26.72	AV	22.00	400	Vertical	Pass
2	2742.100	43.30	-12.52	74.0	30.70	Peak	181.00	300	Vertical	Pass
2**	2742.100	33.29	-12.52	54.0	20.71	AV	181.00	300	Vertical	Pass
3	4336.500	48.01	-6.10	74.0	25.99	Peak	291.00	100	Vertical	Pass
3**	4336.500	38.39	-6.10	54.0	15.61	AV	291.00	100	Vertical	Pass
4	5603.500	91.09	-5.37	--	--	Peak	319.00	200	Vertical	N/A
4**	5603.500	82.76	-5.37	--	--	AV	319.00	200	Vertical	N/A
5	7539.500	54.69	-0.21	74.0	19.31	Peak	136.00	100	Vertical	Pass
5**	7539.500	45.74	-0.21	54.0	8.26	AV	136.00	100	Vertical	Pass
6	12382.588	52.31	0.46	74.0	21.69	Peak	23.00	100	Vertical	Pass
6**	12382.588	42.54	0.46	54.0	11.46	AV	23.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1354.600	37.34	-19.68	74.0	36.66	Peak	199.00	400	Horizontal	Pass
1**	1354.600	27.32	-19.68	54.0	26.68	AV	199.00	400	Horizontal	Pass
2	2876.000	43.50	-12.36	74.0	30.50	Peak	155.00	200	Horizontal	Pass
2**	2876.000	34.04	-12.36	54.0	19.96	AV	155.00	200	Horizontal	Pass
3	4351.000	47.36	-6.61	74.0	26.64	Peak	333.00	200	Horizontal	Pass
3**	4351.000	38.20	-6.61	54.0	15.80	AV	333.00	200	Horizontal	Pass
4	5743.250	102.96	-5.34	--	--	Peak	315.00	300	Horizontal	N/A
4**	5743.250	96.46	-5.34	--	--	AV	315.00	300	Horizontal	N/A
5	7543.750	54.56	-0.34	74.0	19.44	Peak	140.00	200	Horizontal	Pass
5**	7543.750	46.00	-0.34	54.0	8.00	AV	140.00	200	Horizontal	Pass
6	12344.825	52.72	0.73	74.0	21.28	Peak	309.00	400	Horizontal	Pass
6**	12344.825	45.08	0.73	54.0	8.92	AV	309.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1554.500	37.25	-19.83	74.0	36.75	Peak	360.00	300	Vertical	Pass
1**	1554.500	26.88	-19.83	54.0	27.12	AV	360.00	300	Vertical	Pass
2	2858.400	43.64	-12.34	74.0	30.36	Peak	123.00	400	Vertical	Pass
2**	2858.400	33.58	-12.34	54.0	20.42	AV	123.00	400	Vertical	Pass
3	4324.250	47.20	-5.93	74.0	26.80	Peak	33.00	200	Vertical	Pass
3**	4324.250	38.85	-5.93	54.0	15.15	AV	33.00	200	Vertical	Pass
4	5743.250	99.96	-5.34	--	--	Peak	327.00	200	Vertical	N/A
4**	5743.250	91.80	-5.34	--	--	AV	327.00	200	Vertical	N/A
5	7593.000	54.86	-0.59	74.0	19.14	Peak	188.00	150	Vertical	Pass
5**	7593.000	46.08	-0.59	54.0	7.92	AV	188.00	150	Vertical	Pass
6	12328.912	53.11	0.70	74.0	20.89	Peak	77.00	300	Vertical	Pass
6**	12328.912	43.98	0.70	54.0	10.02	AV	77.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1455.100	36.90	-19.71	74.0	37.10	Peak	117.00	100	Horizontal	Pass
1**	1455.100	27.27	-19.71	54.0	26.73	AV	117.00	100	Horizontal	Pass
2	2795.100	43.92	-12.59	74.0	30.08	Peak	311.00	100	Horizontal	Pass
2**	2795.100	34.30	-12.59	54.0	19.70	AV	311.00	100	Horizontal	Pass
3	4290.000	47.47	-6.74	74.0	26.53	Peak	325.00	200	Horizontal	Pass
3**	4290.000	38.26	-6.74	54.0	15.74	AV	325.00	200	Horizontal	Pass
4	5786.000	102.20	-4.72	--	--	Peak	47.00	100	Horizontal	N/A
4**	5786.000	94.68	-4.72	--	--	AV	47.00	100	Horizontal	N/A
5	7601.500	53.93	-0.44	74.0	20.07	Peak	26.00	100	Horizontal	Pass
5**	7601.500	45.41	-0.44	54.0	8.59	AV	26.00	100	Horizontal	Pass
6	12354.088	52.69	0.70	74.0	21.31	Peak	227.00	100	Horizontal	Pass
6**	12354.088	44.09	0.70	54.0	9.91	AV	227.00	100	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	1401.400	36.96	-19.60	74.0	37.04	Peak	360.00	200	Vertical	Pass
1**	1401.400	27.33	-19.60	54.0	26.67	AV	360.00	200	Vertical	Pass
2	2850.900	43.41	-12.16	74.0	30.59	Peak	145.00	300	Vertical	Pass
2**	2850.900	33.84	-12.16	54.0	20.16	AV	145.00	300	Vertical	Pass
3	4313.000	47.89	-6.05	74.0	26.11	Peak	179.00	150	Vertical	Pass
3**	4313.000	38.29	-6.05	54.0	15.71	AV	179.00	150	Vertical	Pass
4	5786.000	98.96	-4.72	--	--	Peak	198.00	100	Vertical	N/A
4**	5786.000	92.15	-4.72	--	--	AV	198.00	100	Vertical	N/A
5	7488.750	54.93	-0.33	74.0	19.07	Peak	360.00	200	Vertical	Pass
5**	7488.750	45.51	-0.33	54.0	8.49	AV	360.00	200	Vertical	Pass
6	12646.688	53.03	0.75	74.0	20.97	Peak	0.00	300	Vertical	Pass
6**	12646.688	43.17	0.75	54.0	10.83	AV	0.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1359.400	36.88	-19.65	74.0	37.12	Peak	360.00	150	Horizontal	Pass
1**	1359.400	28.22	-19.65	54.0	25.78	AV	360.00	150	Horizontal	Pass
2	2774.800	43.24	-12.99	74.0	30.76	Peak	162.00	200	Horizontal	Pass
2**	2774.800	33.75	-12.99	54.0	20.25	AV	162.00	200	Horizontal	Pass
3	4350.750	47.94	-6.61	74.0	26.06	Peak	180.00	100	Horizontal	Pass
3**	4350.750	38.27	-6.61	54.0	15.73	AV	180.00	100	Horizontal	Pass
4	5823.500	102.64	-4.71	--	--	Peak	44.00	100	Horizontal	N/A
4**	5823.500	95.03	-4.71	--	--	AV	44.00	100	Horizontal	N/A
5	7491.750	53.92	-0.38	74.0	20.08	Peak	152.00	200	Horizontal	Pass
5**	7491.750	46.41	-0.38	54.0	7.59	AV	152.00	200	Horizontal	Pass
6	12344.588	52.95	0.73	74.0	21.05	Peak	0.00	300	Horizontal	Pass
6**	12344.588	44.04	0.73	54.0	9.96	AV	0.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1497.300	36.67	-19.52	74.0	37.33	Peak	193.00	150	Vertical	Pass
1**	1497.300	28.34	-19.52	54.0	25.66	AV	193.00	150	Vertical	Pass
2	2789.800	43.29	-12.62	74.0	30.71	Peak	8.00	400	Vertical	Pass
2**	2789.800	34.95	-12.62	54.0	19.05	AV	8.00	400	Vertical	Pass
3	4337.500	47.38	-6.10	74.0	26.62	Peak	136.00	200	Vertical	Pass
3**	4337.500	39.01	-6.10	54.0	14.99	AV	136.00	200	Vertical	Pass
4	5823.500	99.18	-4.71	--	--	Peak	311.00	300	Vertical	N/A
4**	5823.500	91.76	-4.71	--	--	AV	311.00	300	Vertical	N/A
5	7496.250	54.27	-0.51	74.0	19.73	Peak	173.00	150	Vertical	Pass
5**	7496.250	45.80	-0.51	54.0	8.20	AV	173.00	150	Vertical	Pass
6	12338.413	52.45	0.72	74.0	21.55	Peak	118.00	100	Vertical	Pass
6**	12338.413	44.15	0.72	54.0	9.85	AV	118.00	100	Vertical	Pass

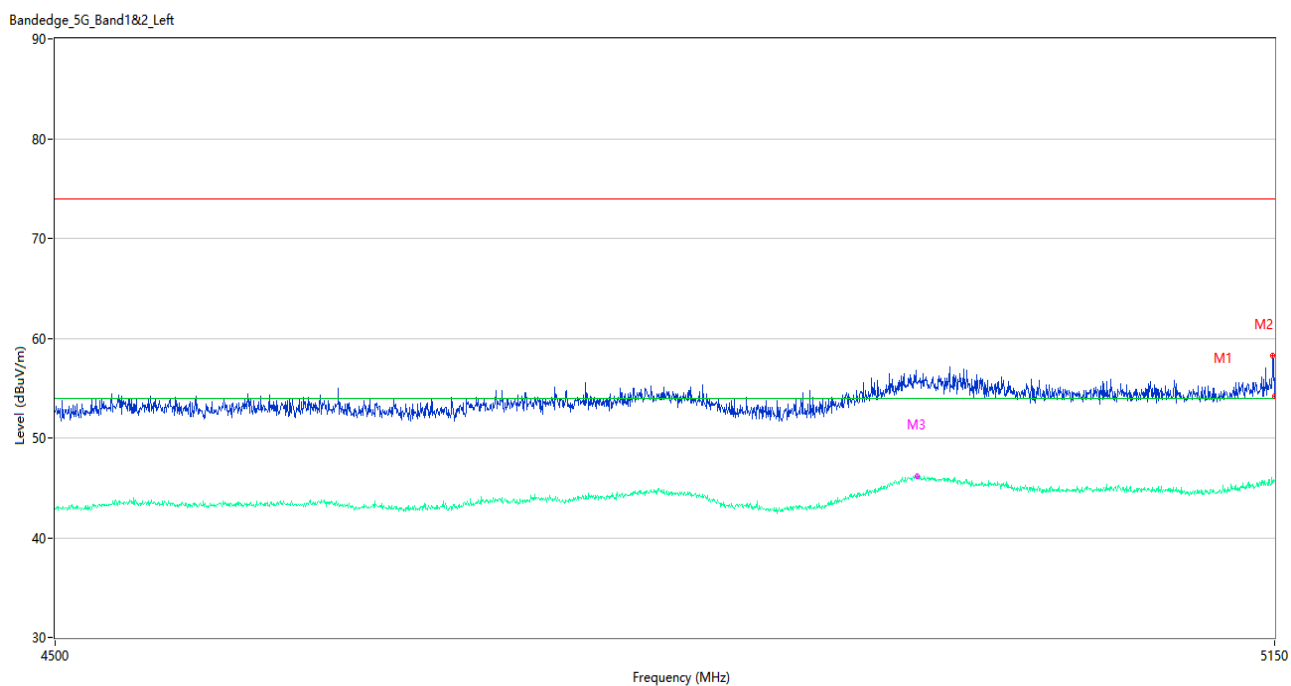
A.6.2 Band Edge (Restricted-band)

Test Band	Mode	Channel	Verdict
U-NII-1	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	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
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
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(VHT80)	Low	Pass
		High	Pass

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

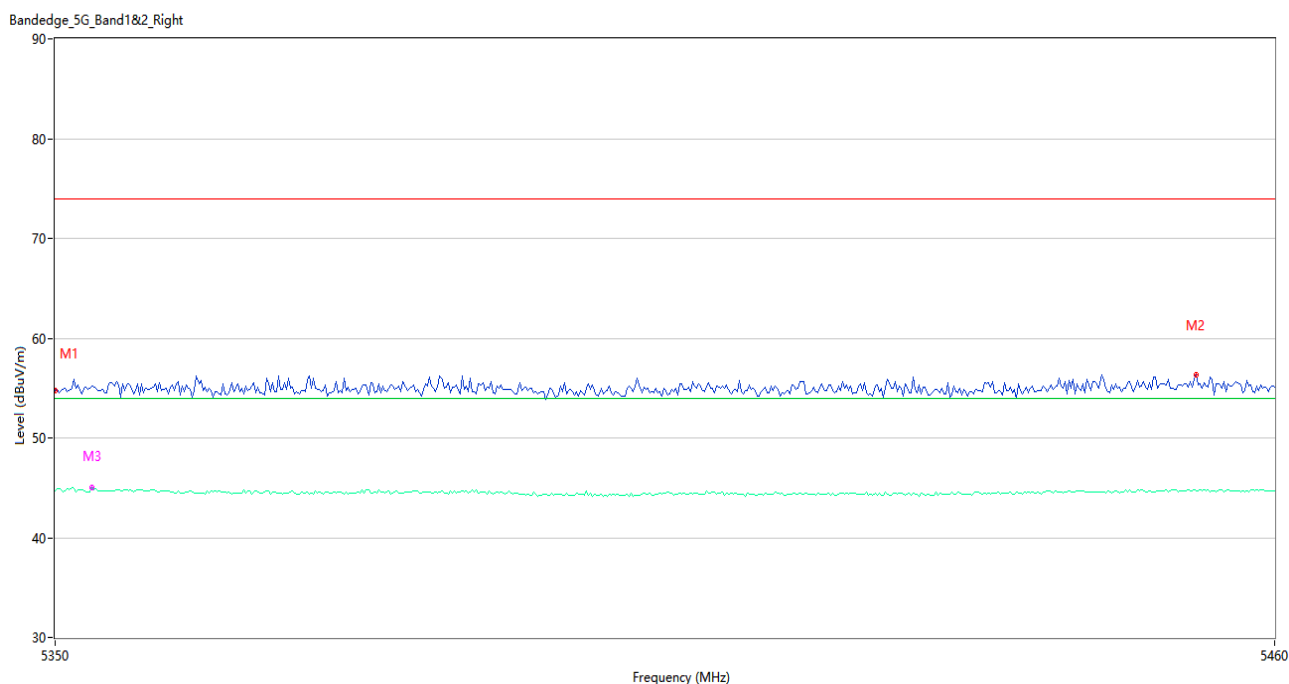
Test Data and Plots

U-NII-1 11a Low Channel



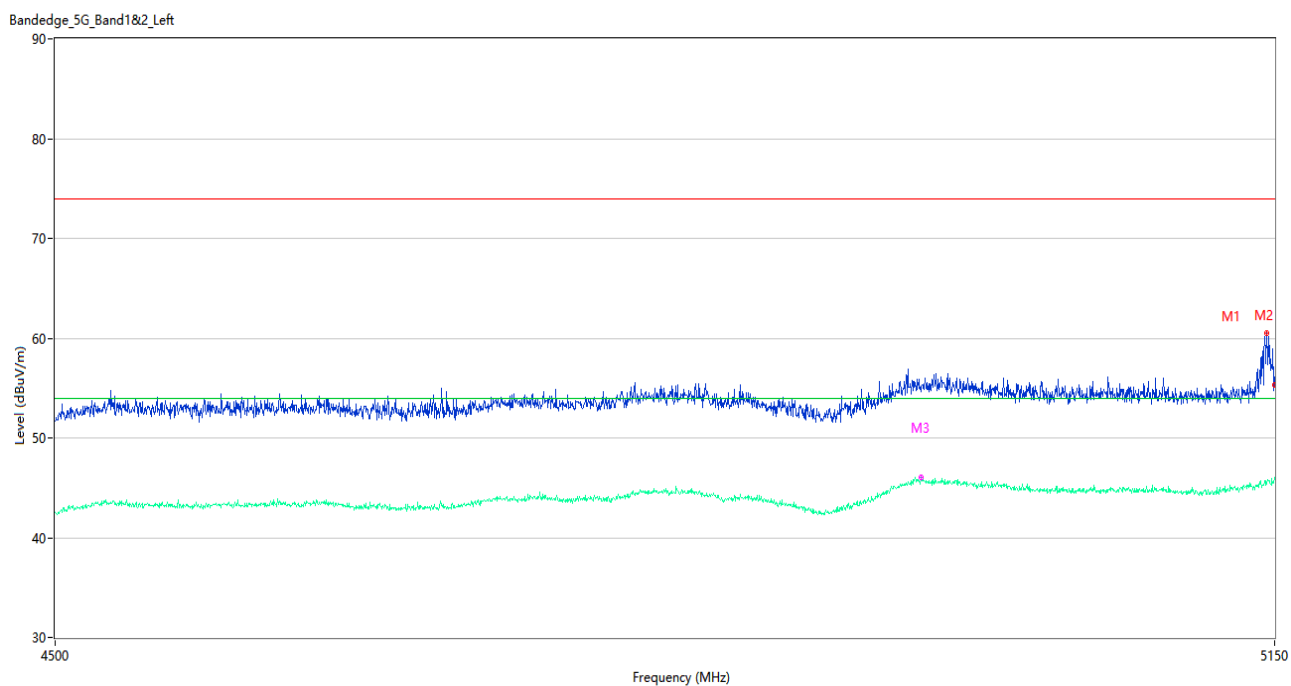
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5149.025	58.24	0.84	74.0	15.76	Peak	0.00	100	Horizontal	Pass
1**	5149.025	45.46	0.84	54.0	8.54	AV	0.00	100	Horizontal	Pass
2	5150.000	54.21	0.84	74.0	19.79	Peak	298.00	100	Horizontal	Pass
2**	5150.000	45.74	0.84	54.0	8.26	AV	298.00	100	Horizontal	Pass
3	4950.450	55.43	2.50	74.0	18.57	Peak	292.00	150	Horizontal	Pass
3**	4950.450	46.21	2.50	54.0	7.79	AV	292.00	150	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	54.71	0.85	74.0	19.29	Peak	308.00	150	Horizontal	Pass
1**	5350.000	44.70	0.85	54.0	9.30	AV	308.00	150	Horizontal	Pass
2	5452.850	56.30	1.29	74.0	17.70	Peak	137.00	150	Horizontal	Pass
2**	5452.850	44.69	1.29	54.0	9.31	AV	137.00	150	Horizontal	Pass
3	5353.300	55.17	0.81	74.0	18.83	Peak	288.00	150	Horizontal	Pass
3**	5353.300	45.06	0.81	54.0	8.94	AV	288.00	150	Horizontal	Pass

U-NII-1 11n20 Low Channel



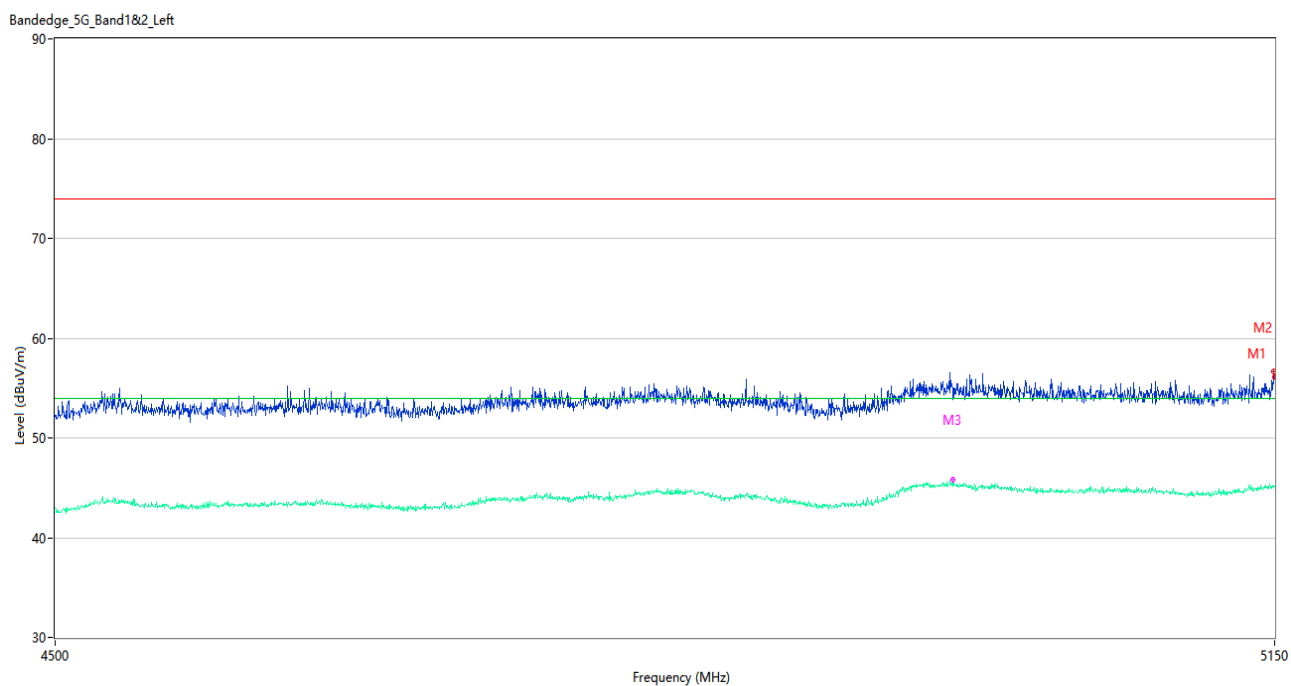
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5145.450	60.48	0.93	74.0	13.52	Peak	346.00	200	Horizontal	Pass
1**	5145.450	45.38	0.93	54.0	8.62	AV	346.00	200	Horizontal	Pass
2	5150.000	55.33	0.84	74.0	18.67	Peak	354.00	150	Horizontal	Pass
2**	5150.000	46.06	0.84	54.0	7.94	AV	354.00	150	Horizontal	Pass
3	4952.725	55.09	2.41	74.0	18.91	Peak	13.00	150	Horizontal	Pass
3**	4952.725	46.07	2.41	54.0	7.93	AV	13.00	150	Horizontal	Pass

U-NII-1 11n20 High Channel



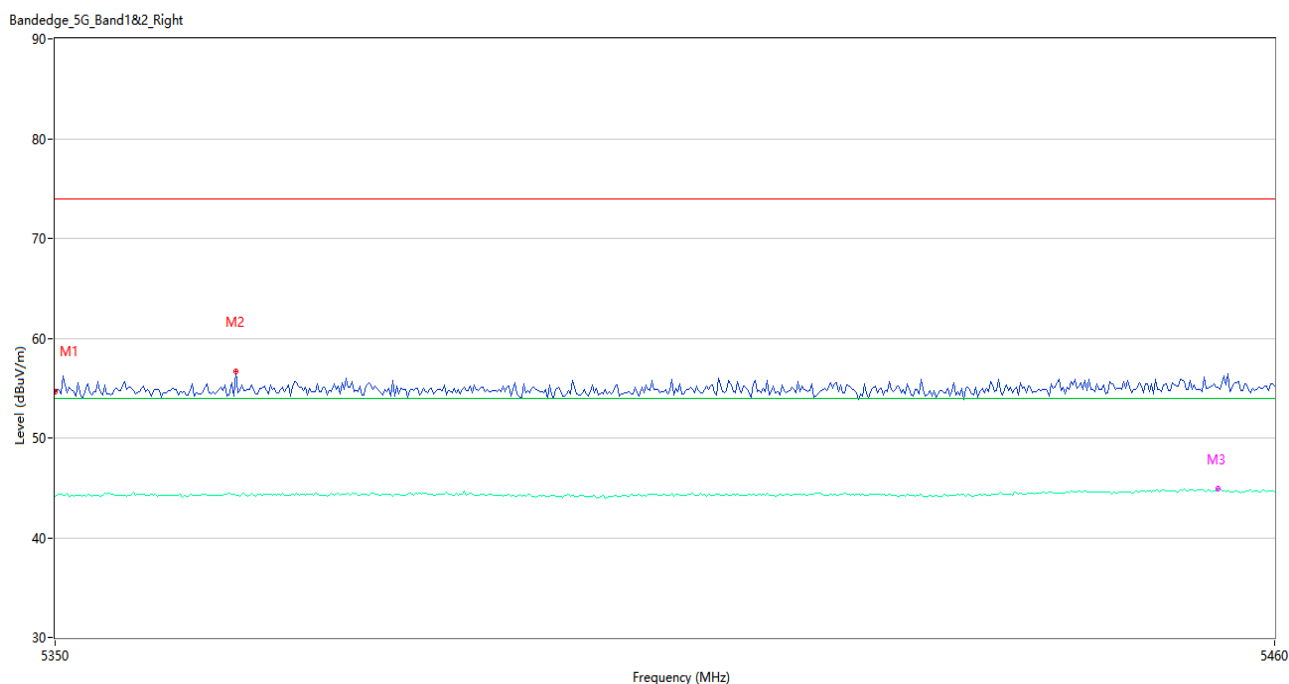
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	54.55	0.85	74.0	19.45	Peak	38.00	200	Horizontal	Pass
1**	5350.000	44.77	0.85	54.0	9.23	AV	38.00	200	Horizontal	Pass
2	5437.817	56.98	1.20	74.0	17.02	Peak	231.00	100	Horizontal	Pass
2**	5437.817	44.60	1.20	54.0	9.40	AV	231.00	100	Horizontal	Pass
3	5356.050	55.13	0.84	74.0	18.87	Peak	291.00	150	Horizontal	Pass
3**	5356.050	45.13	0.84	54.0	8.87	AV	291.00	150	Horizontal	Pass

U-NII-1 11n40 Low Channel



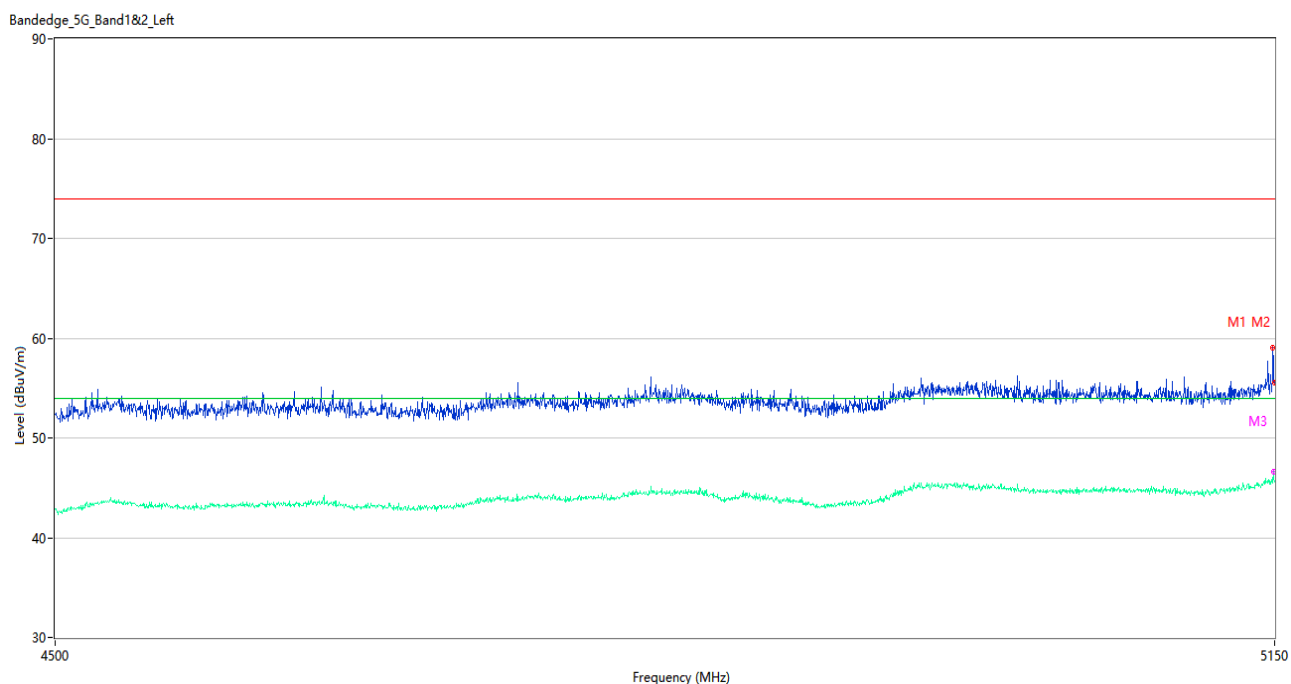
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5149.675	56.62	0.84	74.0	17.38	Peak	0.00	100	Horizontal	Pass
1**	5149.675	45.18	0.84	54.0	8.82	AV	0.00	100	Horizontal	Pass
2	5150.000	56.07	0.84	74.0	17.93	Peak	350.00	200	Horizontal	Pass
2**	5150.000	45.18	0.84	54.0	8.82	AV	350.00	200	Horizontal	Pass
3	4969.950	53.88	2.01	74.0	20.12	Peak	128.00	150	Horizontal	Pass
3**	4969.950	45.77	2.01	54.0	8.23	AV	128.00	150	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	54.61	0.85	74.0	19.39	Peak	85.00	200	Horizontal	Pass
1**	5350.000	44.17	0.85	54.0	9.83	AV	85.00	200	Horizontal	Pass
2	5366.133	56.63	0.81	74.0	17.37	Peak	26.00	200	Horizontal	Pass
2**	5366.133	44.27	0.81	54.0	9.73	AV	26.00	200	Horizontal	Pass
3	5454.867	55.07	1.19	74.0	18.93	Peak	0.00	150	Horizontal	Pass
3**	5454.867	44.91	1.19	54.0	9.09	AV	0.00	150	Horizontal	Pass

U-NII-1 11ac20 Low Channel



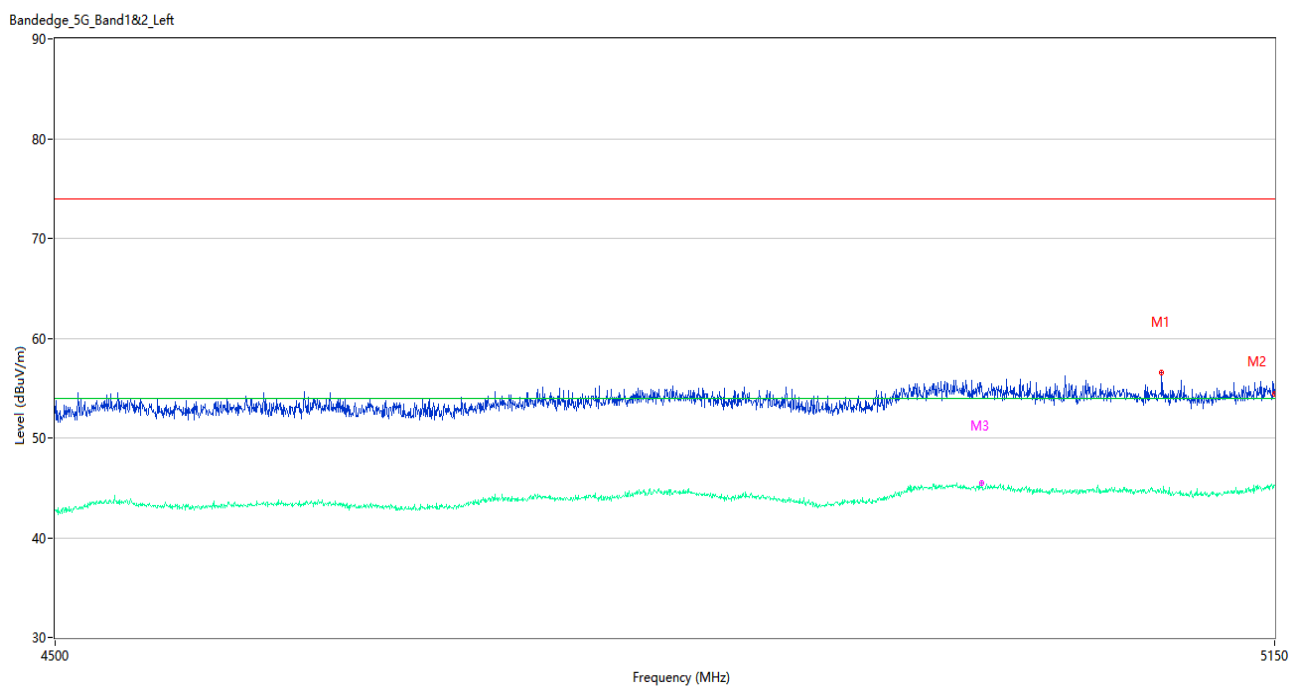
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5149.025	59.01	0.84	74.0	14.99	Peak	0.00	150	Horizontal	Pass
1**	5149.025	45.58	0.84	54.0	8.42	AV	0.00	150	Horizontal	Pass
2	5150.000	55.52	0.84	74.0	18.48	Peak	306.00	200	Horizontal	Pass
2**	5150.000	45.59	0.84	54.0	8.41	AV	306.00	200	Horizontal	Pass
3	5149.350	57.58	0.84	74.0	16.42	Peak	49.00	150	Horizontal	Pass
3**	5149.350	46.56	0.84	54.0	7.44	AV	49.00	150	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	55.29	0.85	74.0	18.71	Peak	318.00	200	Horizontal	Pass
1**	5350.000	44.70	0.85	54.0	9.30	AV	318.00	200	Horizontal	Pass
2	5410.317	56.73	1.25	74.0	17.27	Peak	119.00	100	Horizontal	Pass
2**	5410.317	44.26	1.25	54.0	9.74	AV	119.00	100	Horizontal	Pass
3	5355.867	55.21	0.83	74.0	18.79	Peak	271.00	150	Horizontal	Pass
3**	5355.867	44.98	0.83	54.0	9.02	AV	271.00	150	Horizontal	Pass

U-NII-1 11ac40 Low Channel



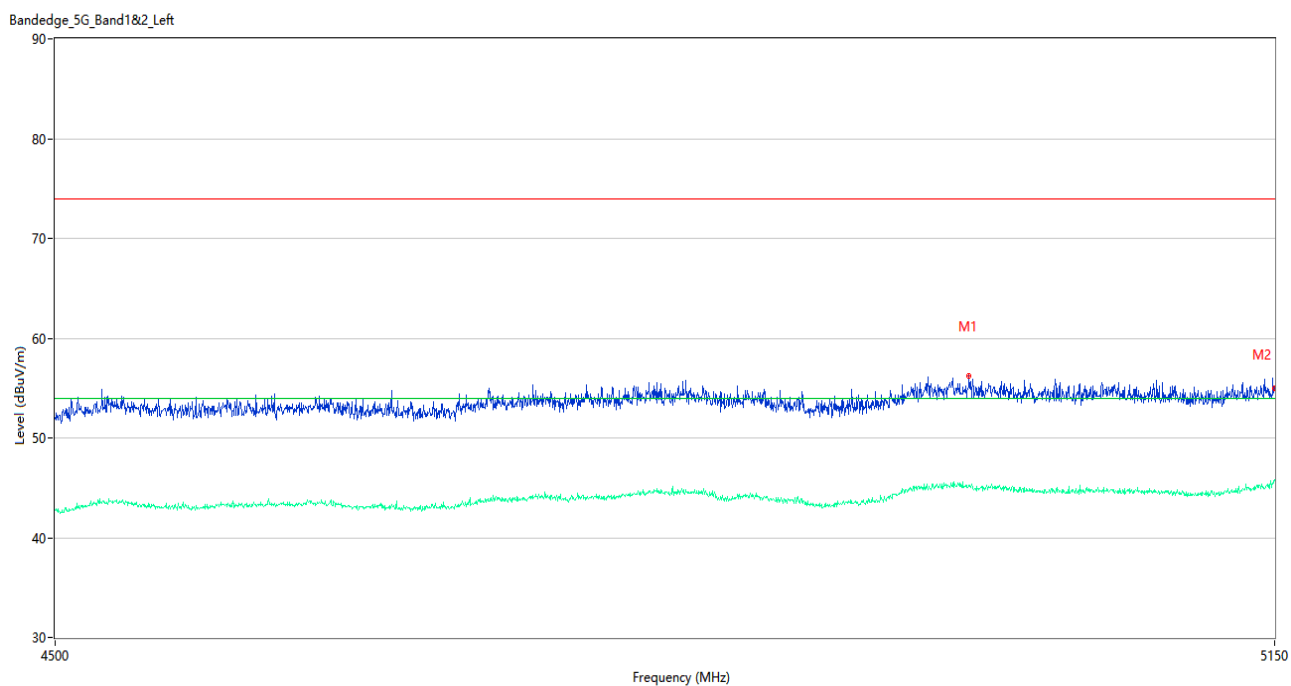
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5085.975	56.59	0.85	74.0	17.41	Peak	234.00	200	Horizontal	Pass
1**	5085.975	44.47	0.85	54.0	9.53	AV	234.00	200	Horizontal	Pass
2	5150.000	54.36	0.84	74.0	19.64	Peak	247.00	100	Horizontal	Pass
2**	5150.000	45.20	0.84	54.0	8.80	AV	247.00	100	Horizontal	Pass
3	4985.875	54.64	1.85	74.0	19.36	Peak	267.00	150	Horizontal	Pass
3**	4985.875	45.51	1.85	54.0	8.49	AV	267.00	150	Horizontal	Pass

U-NII-1 11ac40 High Channel



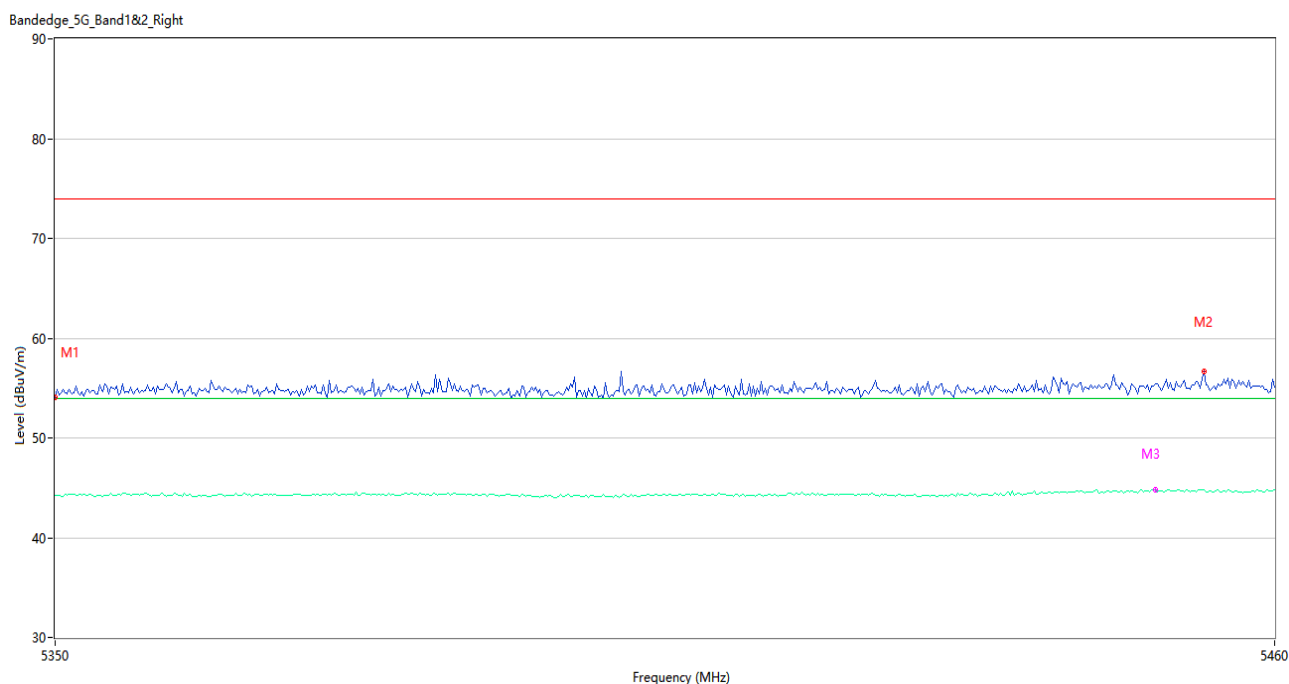
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.47	0.85	74.0	18.53	Peak	0.00	200	Horizontal	Pass
1**	5350.000	44.24	0.85	54.0	9.76	AV	0.00	200	Horizontal	Pass
2	5393.450	56.51	0.84	74.0	17.49	Peak	307.00	150	Horizontal	Pass
2**	5393.450	44.15	0.84	54.0	9.85	AV	307.00	150	Horizontal	Pass
3	5458.717	56.12	1.23	74.0	17.88	Peak	360.00	150	Horizontal	Pass
3**	5458.717	44.91	1.23	54.0	9.09	AV	360.00	150	Horizontal	Pass

U-NII-1 11ac80 Middle Channel



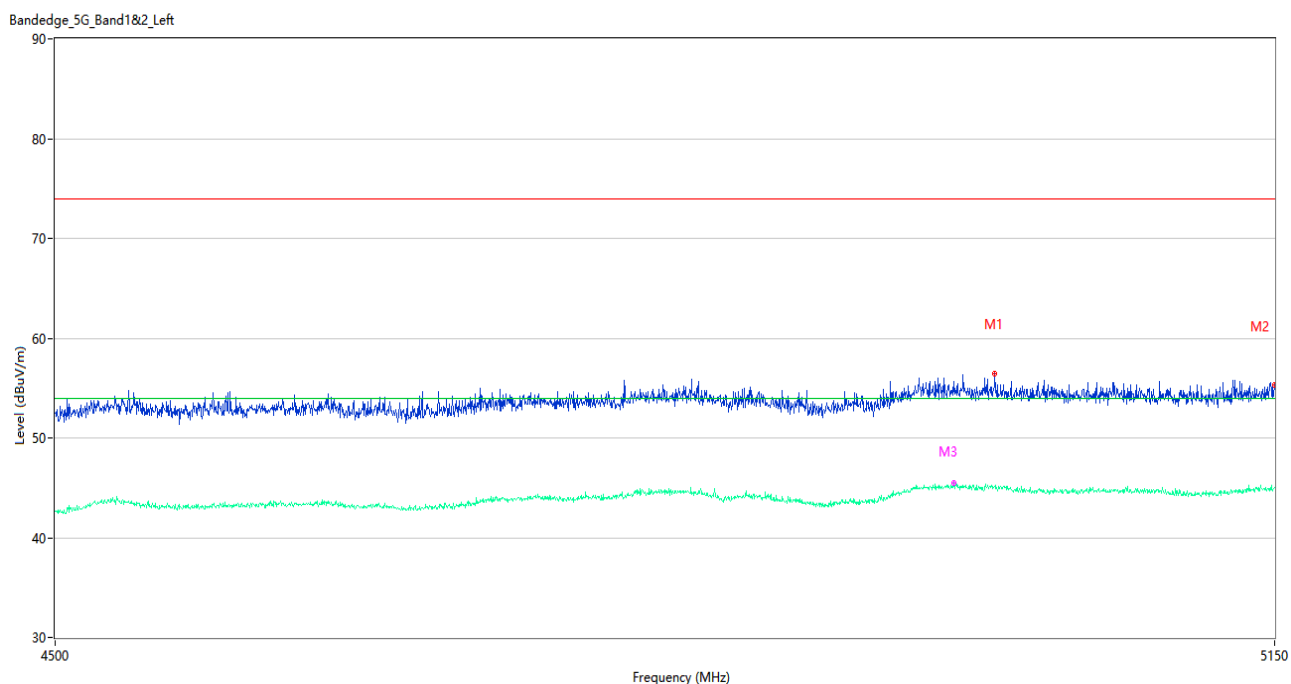
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	4978.725	56.22	1.85	74.0	17.78	Peak	147.00	150	Horizontal	Pass
1**	4978.725	45.21	1.85	54.0	8.79	AV	147.00	150	Horizontal	Pass
2	5150.000	54.94	0.84	74.0	19.06	Peak	260.00	150	Horizontal	Pass
2**	5150.000	45.84	0.84	54.0	8.16	AV	260.00	150	Horizontal	Pass

U-NII-1 11ac80 Middle Channel



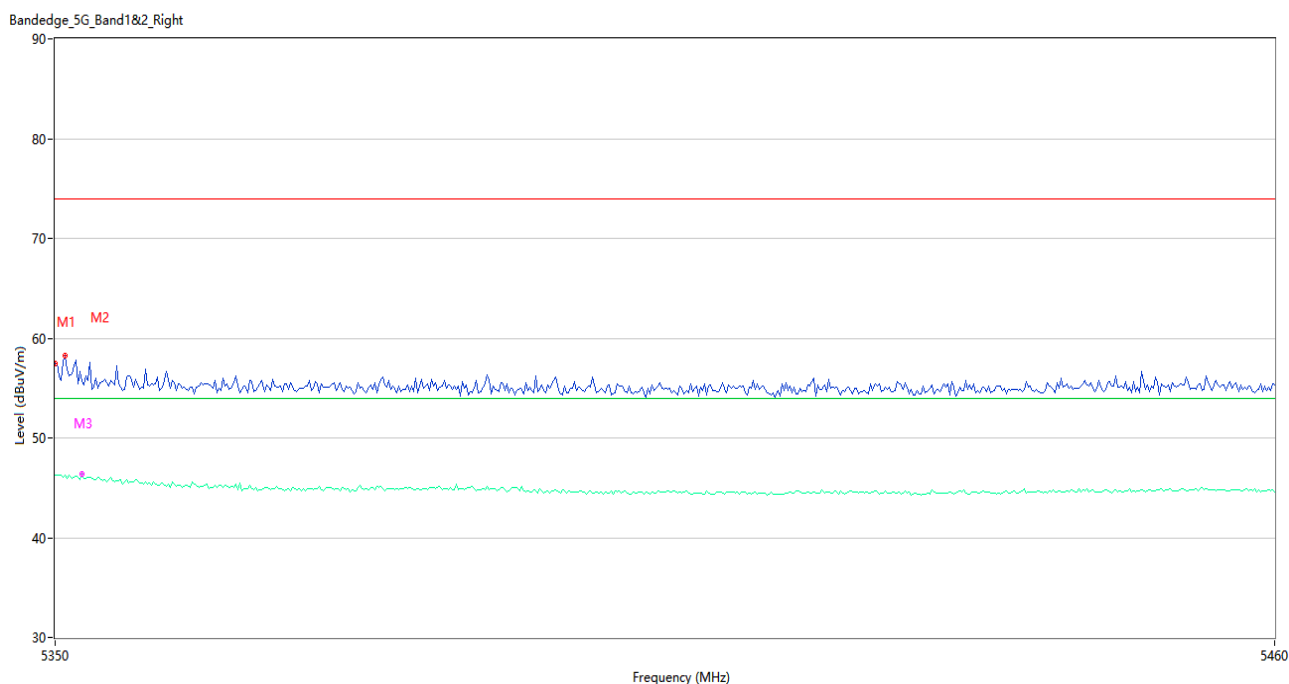
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	54.09	0.85	74.0	19.91	Peak	244.00	200	Horizontal	Pass
1**	5350.000	44.18	0.85	54.0	9.82	AV	244.00	200	Horizontal	Pass
2	5453.583	56.69	1.25	74.0	17.31	Peak	355.00	200	Horizontal	Pass
2**	5453.583	44.79	1.25	54.0	9.21	AV	355.00	200	Horizontal	Pass
3	5449.183	55.38	1.26	74.0	18.62	Peak	131.00	150	Horizontal	Pass
3**	5449.183	44.83	1.26	54.0	9.17	AV	131.00	150	Horizontal	Pass

U-NII-2A 11a Low Channel



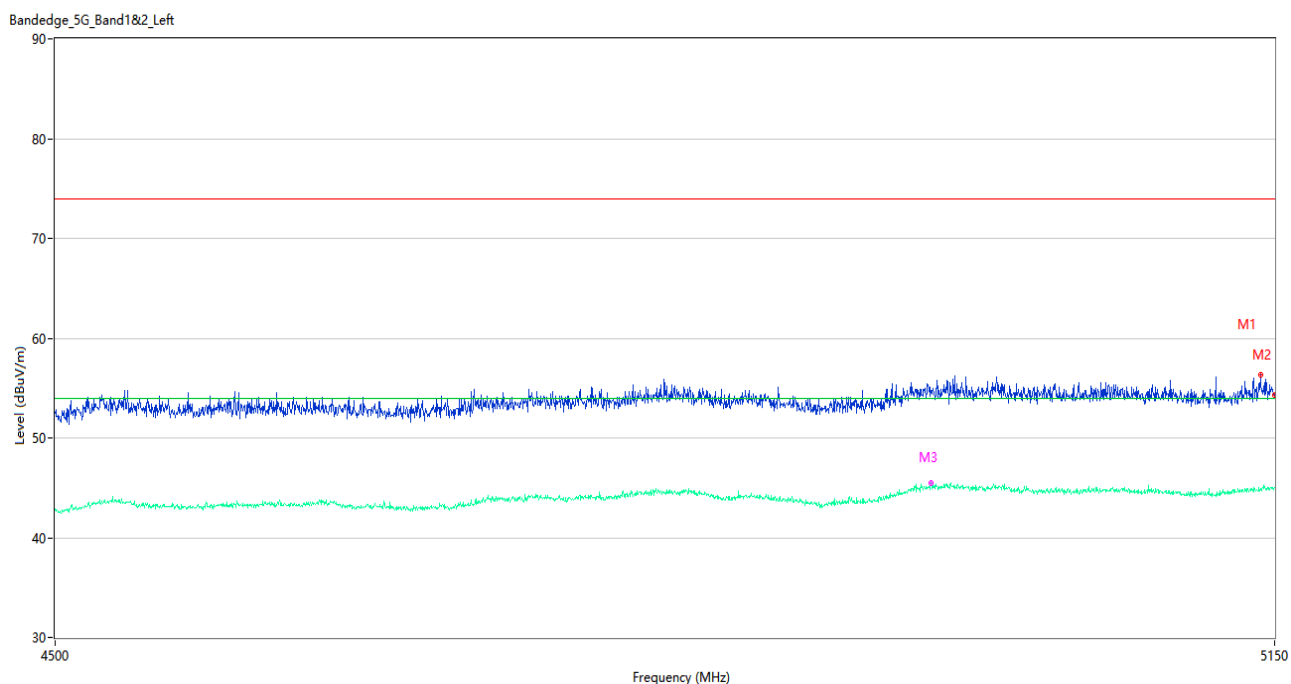
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	4993.025	56.46	1.82	74.0	17.54	Peak	360.00	200	Horizontal	Pass
1**	4993.025	45.15	1.82	54.0	8.85	AV	360.00	200	Horizontal	Pass
2	5150.000	55.36	0.84	74.0	18.64	Peak	192.00	150	Horizontal	Pass
2**	5150.000	45.04	0.84	54.0	8.96	AV	192.00	150	Horizontal	Pass
3	4970.600	54.58	2.00	74.0	19.42	Peak	158.00	150	Horizontal	Pass
3**	4970.600	45.47	2.00	54.0	8.53	AV	158.00	150	Horizontal	Pass

U-NII-2A 11a High Channel



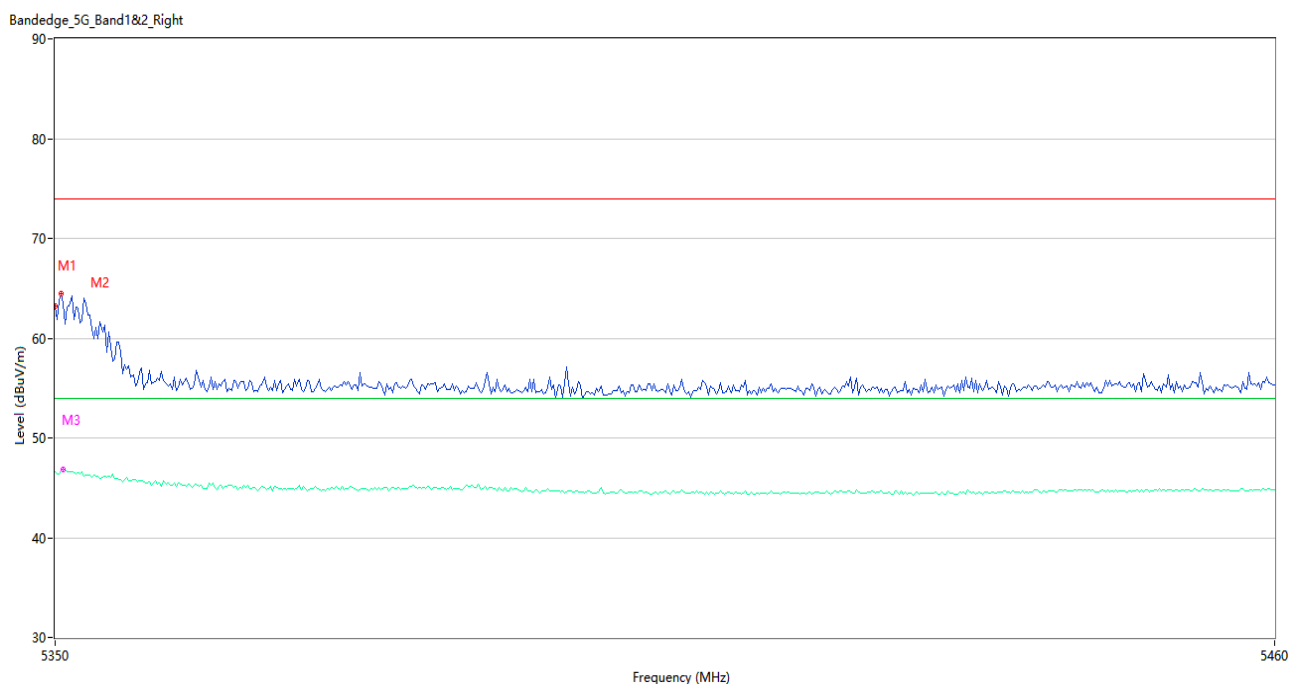
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	57.51	0.85	74.0	16.49	Peak	312.00	100	Horizontal	Pass
1**	5350.000	46.28	0.85	54.0	7.72	AV	312.00	100	Horizontal	Pass
2	5350.917	58.25	0.87	74.0	15.75	Peak	360.00	200	Horizontal	Pass
2**	5350.917	46.33	0.87	54.0	7.67	AV	360.00	200	Horizontal	Pass
3	5352.383	55.78	0.82	74.0	18.22	Peak	316.00	150	Horizontal	Pass
3**	5352.383	46.36	0.82	54.0	7.64	AV	316.00	150	Horizontal	Pass

U-NII-2A 11n20 Low Channel



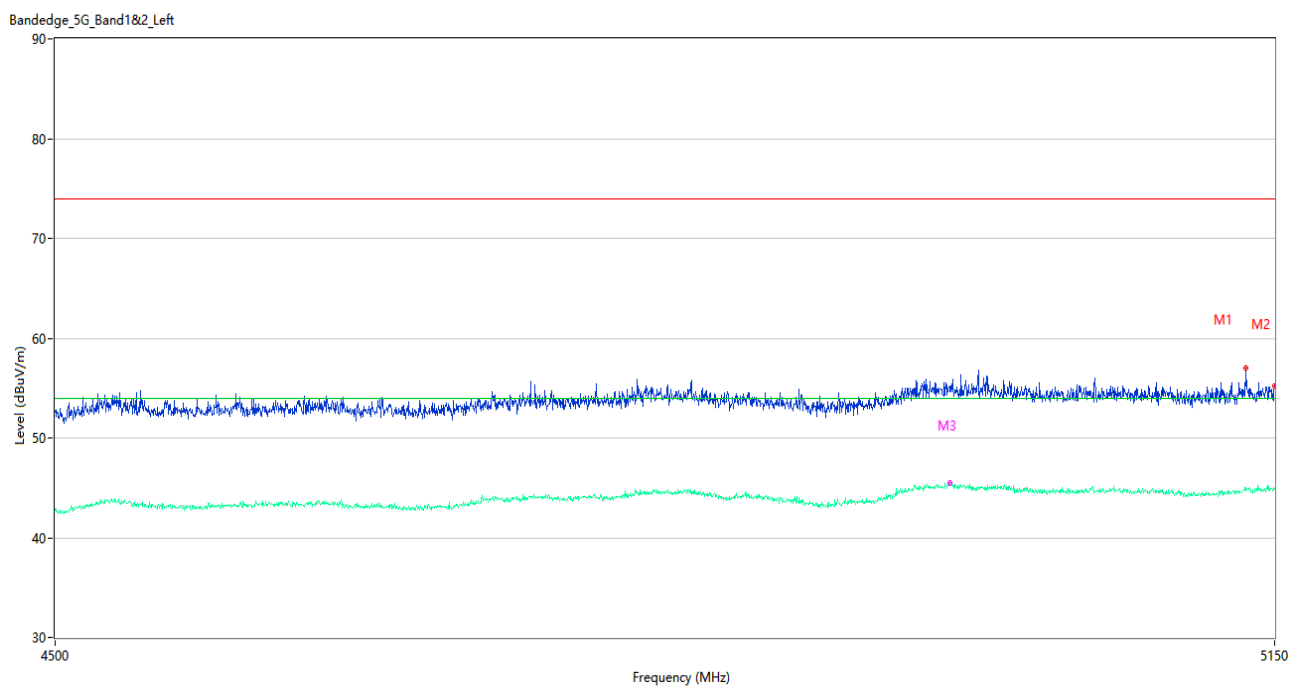
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5141.875	56.38	0.93	74.0	17.62	Peak	177.00	150	Horizontal	Pass
1**	5141.875	44.80	0.93	54.0	9.20	AV	177.00	150	Horizontal	Pass
2	5150.000	54.27	0.84	74.0	19.73	Peak	148.00	150	Horizontal	Pass
2**	5150.000	45.04	0.84	54.0	8.96	AV	148.00	150	Horizontal	Pass
3	4957.925	54.75	2.20	74.0	19.25	Peak	58.00	150	Horizontal	Pass
3**	4957.925	45.47	2.20	54.0	8.53	AV	58.00	150	Horizontal	Pass

U-NII-2A 11n20 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	63.22	0.85	74.0	10.78	Peak	320.00	200	Horizontal	Pass
1**	5350.000	46.63	0.85	54.0	7.37	AV	320.00	200	Horizontal	Pass
2	5350.550	64.51	0.87	74.0	9.49	Peak	315.00	200	Horizontal	Pass
2**	5350.550	46.68	0.87	54.0	7.32	AV	315.00	200	Horizontal	Pass
3	5350.733	63.46	0.87	74.0	10.54	Peak	320.00	150	Horizontal	Pass
3**	5350.733	46.80	0.87	54.0	7.20	AV	320.00	150	Horizontal	Pass

U-NII-2A 11n40 Low Channel



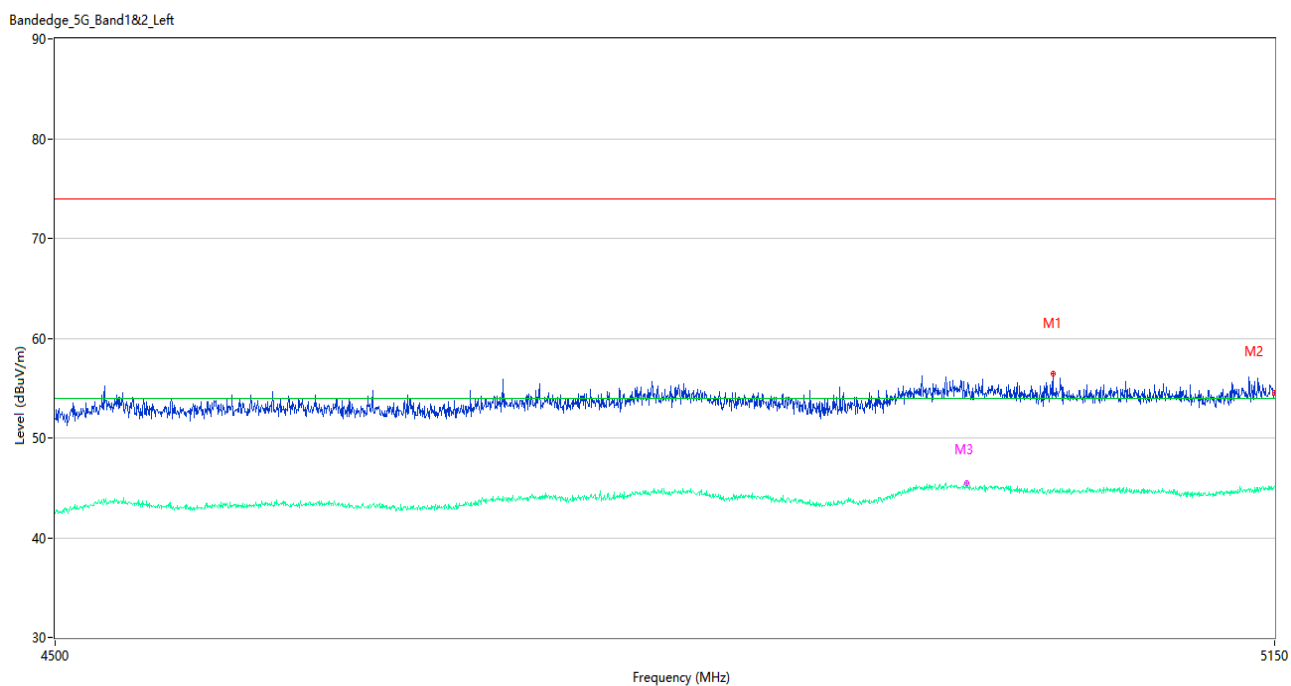
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5133.425	57.04	0.76	74.0	16.96	Peak	346.00	100	Horizontal	Pass
1**	5133.425	44.73	0.76	54.0	9.27	AV	346.00	100	Horizontal	Pass
2	5150.000	55.23	0.84	74.0	18.77	Peak	43.00	150	Horizontal	Pass
2**	5150.000	44.96	0.84	54.0	9.04	AV	43.00	150	Horizontal	Pass
3	4968.000	55.25	2.01	74.0	18.75	Peak	155.00	150	Horizontal	Pass
3**	4968.000	45.48	2.01	54.0	8.52	AV	155.00	150	Horizontal	Pass

U-NII-2A 11n40 High Channel



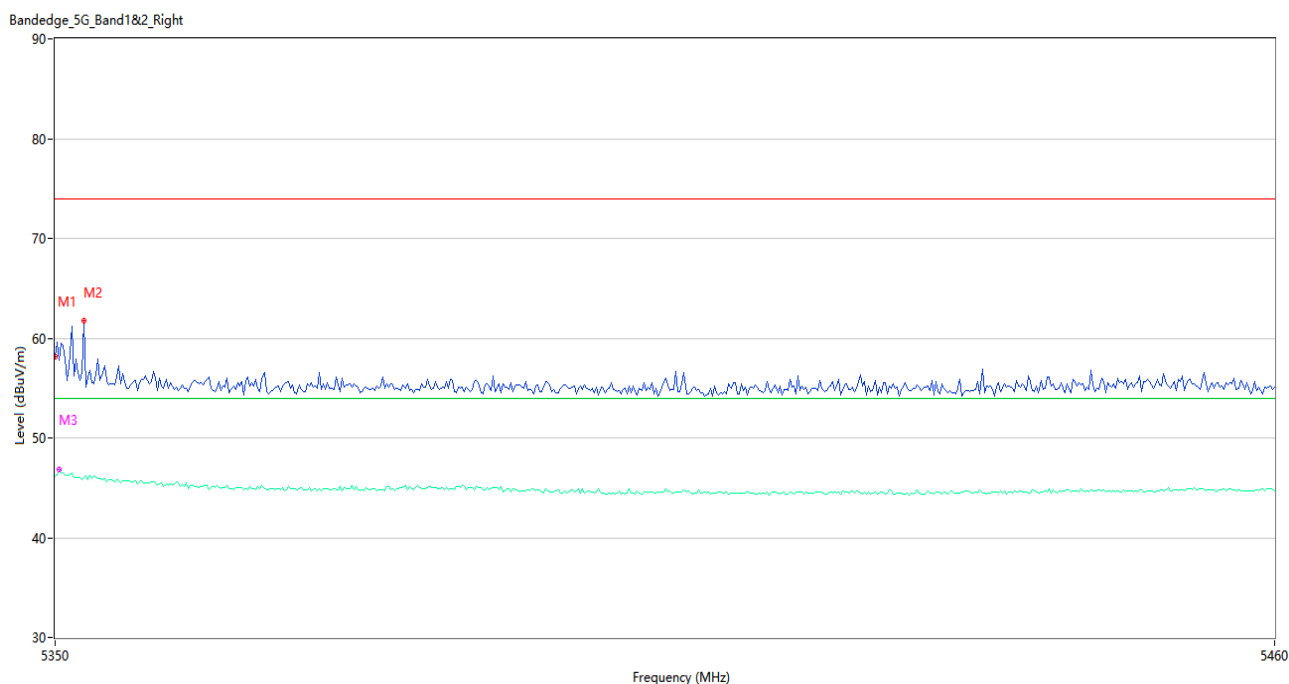
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	65.48	0.85	74.0	8.52	Peak	320.00	200	Horizontal	Pass
1**	5350.000	47.78	0.85	54.0	6.22	AV	320.00	200	Horizontal	Pass
2	5350.733	64.54	0.87	74.0	9.46	Peak	316.00	150	Horizontal	Pass
2**	5350.733	48.10	0.87	54.0	5.90	AV	316.00	150	Horizontal	Pass

U-NII-2A 11ac20 Low Channel



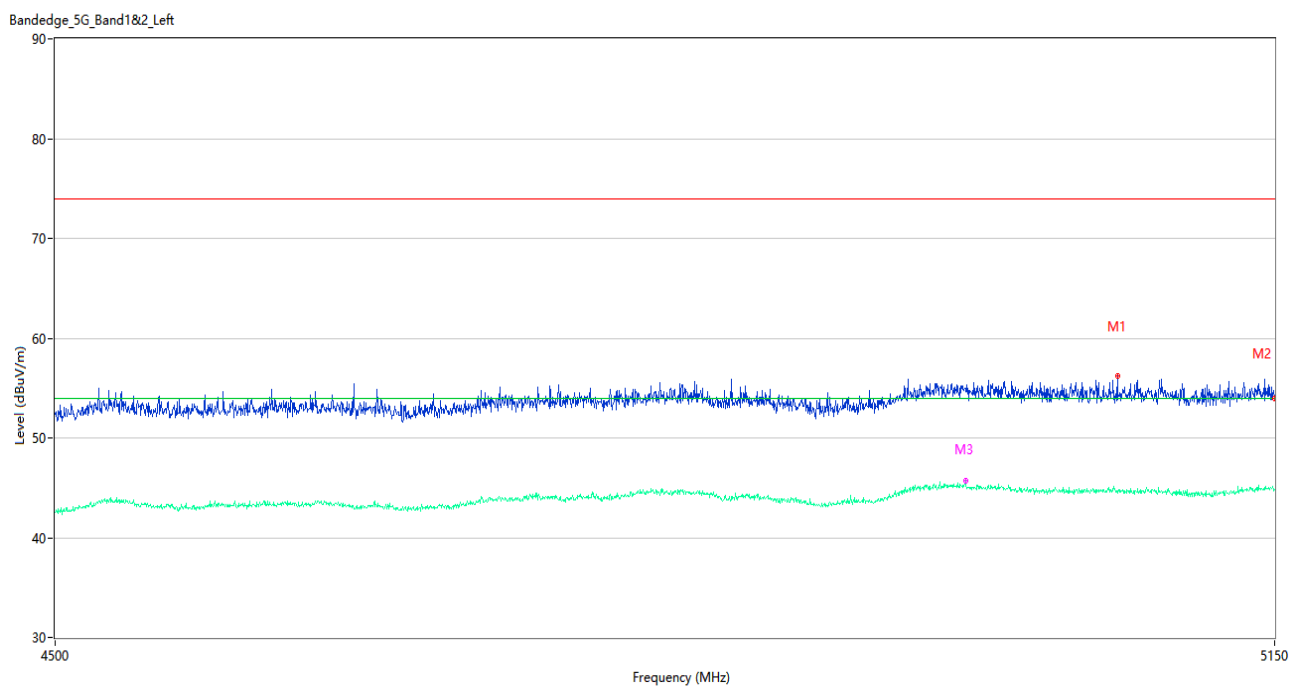
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5025.200	56.47	0.95	74.0	17.53	Peak	69.00	100	Horizontal	Pass
1**	5025.200	44.74	0.95	54.0	9.26	AV	69.00	100	Horizontal	Pass
2	5150.000	54.49	0.84	74.0	19.51	Peak	333.00	100	Horizontal	Pass
2**	5150.000	45.09	0.84	54.0	8.91	AV	333.00	100	Horizontal	Pass
3	4977.425	54.71	1.89	74.0	19.29	Peak	52.00	150	Horizontal	Pass
3**	4977.425	45.46	1.89	54.0	8.54	AV	52.00	150	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	58.18	0.85	74.0	15.82	Peak	1.00	150	Horizontal	Pass
1**	5350.000	46.19	0.85	54.0	7.81	AV	1.00	150	Horizontal	Pass
2	5352.567	61.73	0.82	74.0	12.27	Peak	360.00	150	Horizontal	Pass
2**	5352.567	46.08	0.82	54.0	7.92	AV	360.00	150	Horizontal	Pass
3	5350.367	57.78	0.86	74.0	16.22	Peak	360.00	150	Horizontal	Pass
3**	5350.367	46.86	0.86	54.0	7.14	AV	360.00	150	Horizontal	Pass

U-NII-2A 11ac40 Low Channel



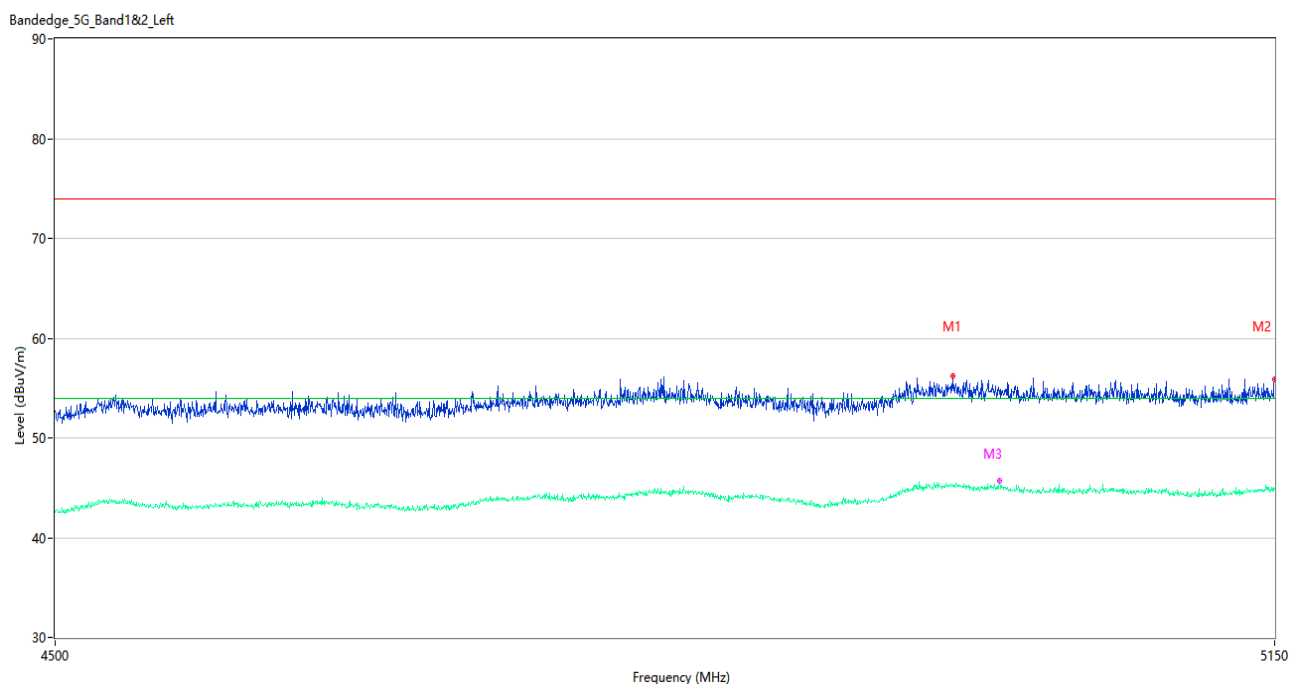
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5061.275	56.21	0.88	74.0	17.79	Peak	328.00	200	Horizontal	Pass
1**	5061.275	44.70	0.88	54.0	9.30	AV	328.00	200	Horizontal	Pass
2	5150.000	54.01	0.84	74.0	19.99	Peak	256.00	150	Horizontal	Pass
2**	5150.000	44.83	0.84	54.0	9.17	AV	256.00	150	Horizontal	Pass
3	4976.775	54.90	1.92	74.0	19.10	Peak	0.00	150	Horizontal	Pass
3**	4976.775	45.66	1.92	54.0	8.34	AV	0.00	150	Horizontal	Pass

U-NII-2A 11ac40 High Channel



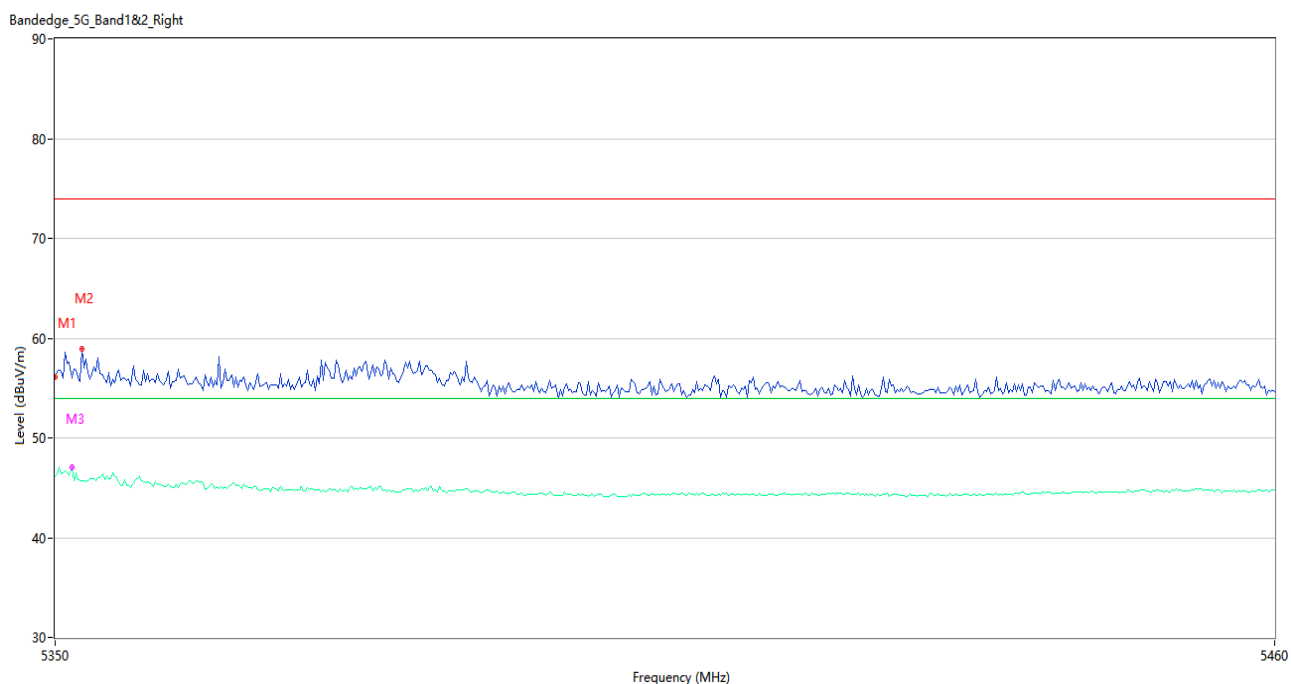
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	61.24	0.85	74.0	12.76	Peak	318.00	100	Horizontal	Pass
1**	5350.000	47.51	0.85	54.0	6.49	AV	318.00	100	Horizontal	Pass
2	5351.100	62.00	0.86	74.0	12.00	Peak	309.00	100	Horizontal	Pass
2**	5351.100	46.72	0.86	54.0	7.28	AV	309.00	100	Horizontal	Pass
3	5350.183	59.66	0.86	74.0	14.34	Peak	75.00	150	Horizontal	Pass
3**	5350.183	47.64	0.86	54.0	6.36	AV	75.00	150	Horizontal	Pass

U-NII-2A 11ac80 Middle Channel



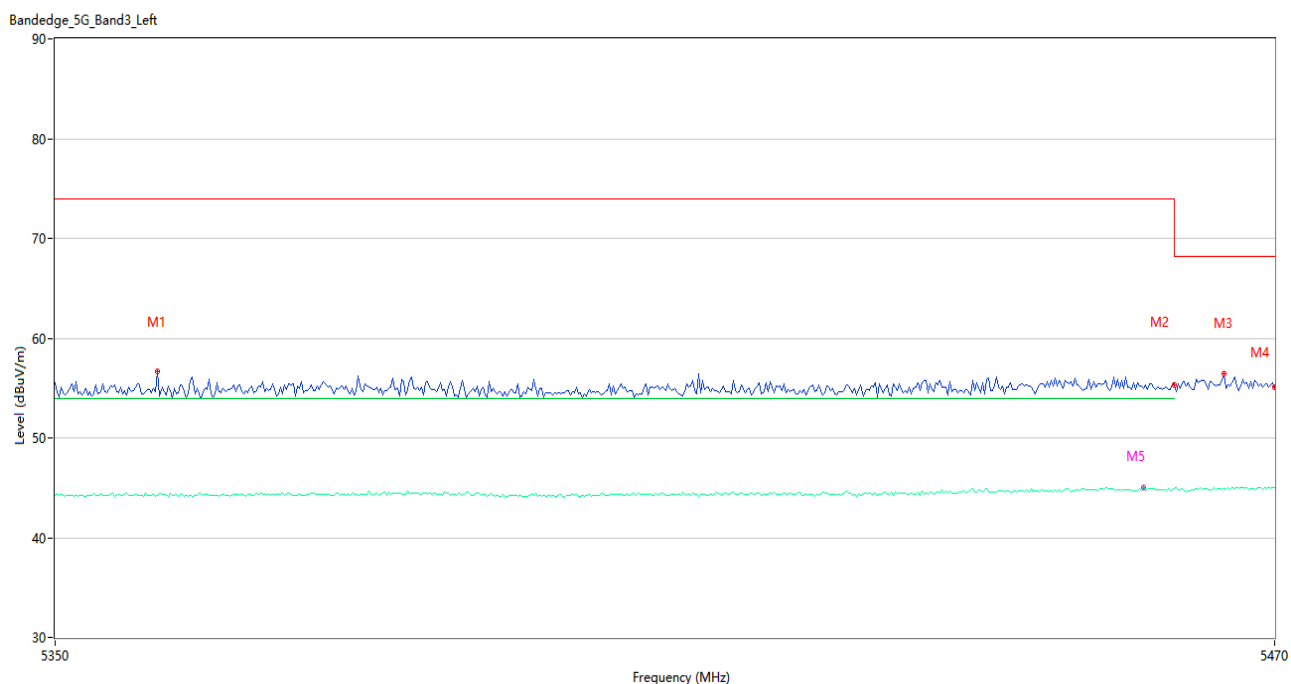
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	4969.625	56.22	2.01	74.0	17.78	Peak	99.00	100	Horizontal	Pass
1**	4969.625	45.23	2.01	54.0	8.77	AV	99.00	100	Horizontal	Pass
2	5150.000	55.83	0.84	74.0	18.17	Peak	315.00	150	Horizontal	Pass
2**	5150.000	44.91	0.84	54.0	9.09	AV	315.00	150	Horizontal	Pass
3	4995.625	54.74	1.82	74.0	19.26	Peak	360.00	150	Horizontal	Pass
3**	4995.625	45.74	1.82	54.0	8.26	AV	360.00	150	Horizontal	Pass

U-NII-2A 11ac80 Middle Channel



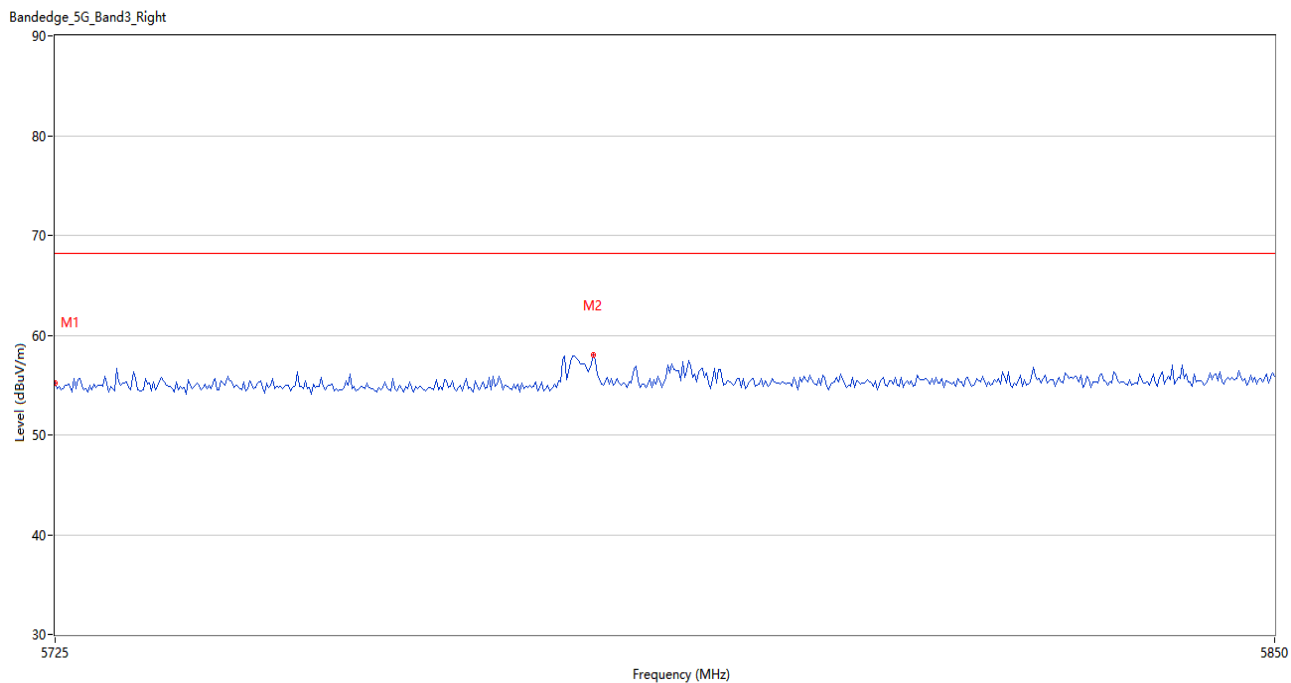
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.10	0.85	74.0	17.90	Peak	319.00	100	Horizontal	Pass
1**	5350.000	46.20	0.85	54.0	7.80	AV	319.00	100	Horizontal	Pass
2	5352.383	58.97	0.82	74.0	15.03	Peak	316.00	100	Horizontal	Pass
2**	5352.383	45.66	0.82	54.0	8.34	AV	316.00	100	Horizontal	Pass
3	5351.467	56.02	0.85	74.0	17.98	Peak	0.00	150	Horizontal	Pass
3**	5351.467	47.03	0.85	54.0	6.97	AV	0.00	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	5360.000	56.69	0.81	74.0	17.31	Peak	238.00	150	Horizontal	Pass
1**	5360.000	44.20	0.81	54.0	9.80	AV	238.00	150	Horizontal	Pass
2	5460.000	55.28	1.23	74.0	18.72	Peak	349.00	150	Horizontal	Pass
2**	5460.000	44.92	1.23	54.0	9.08	AV	349.00	150	Horizontal	Pass
3	5465.000	56.47	1.29	68.2	11.73	Peak	102.00	100	Horizontal	Pass
3**	5465.000	44.91	1.29	--	--	AV	102.00	100	Horizontal	N/A
4	5470.000	55.05	1.37	68.2	13.15	Peak	360.00	200	Horizontal	Pass
4**	5470.000	44.98	1.37	--	--	AV	360.00	200	Horizontal	N/A
5	5457.000	55.00	1.15	74.0	19.00	Peak	360.00	150	Horizontal	Pass
5**	5457.000	45.08	1.15	54.0	8.92	AV	360.00	150	Horizontal	Pass

U-NII-2C 11a High Channel



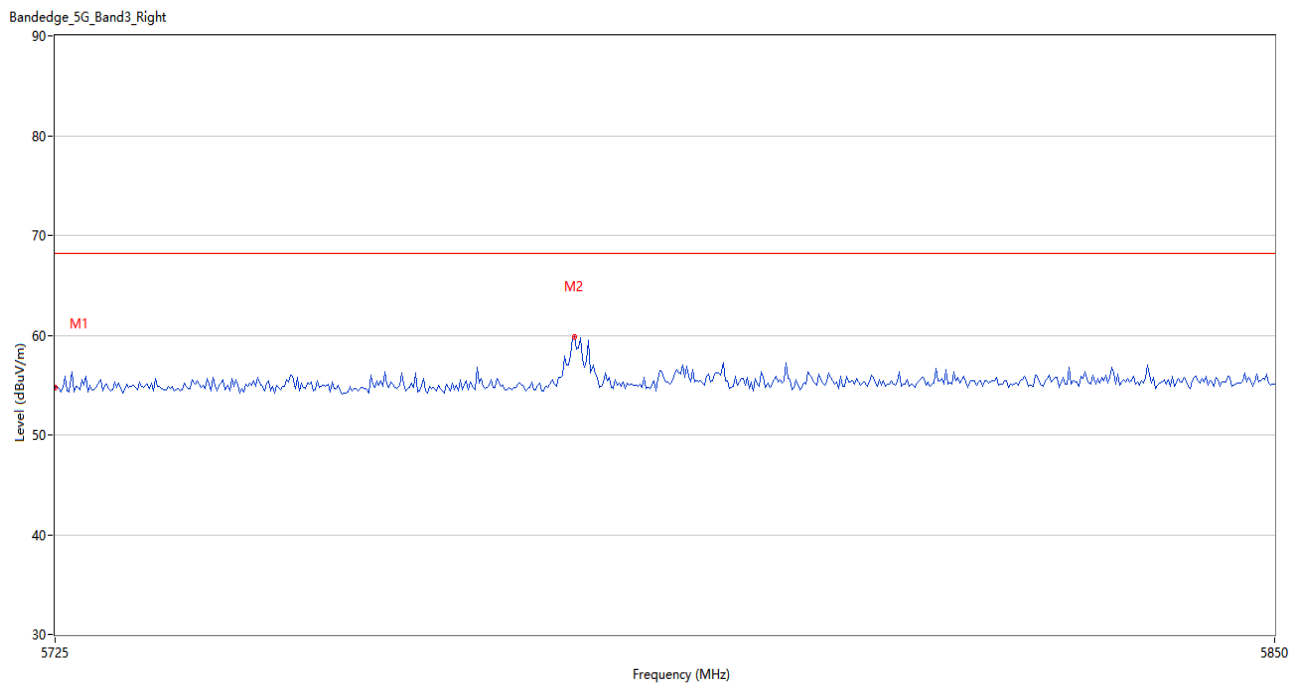
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	55.22	0.63	68.2	12.98	Peak	335.00	100	Horizontal	Pass
2	5779.791	57.98	1.40	68.2	10.22	Peak	28.00	200	Horizontal	Pass

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	5450.800	56.80	1.25	74.0	17.20	Peak	13.00	200	Horizontal	Pass
1**	5450.800	44.68	1.25	54.0	9.32	AV	13.00	200	Horizontal	Pass
2	5460.000	55.00	1.23	74.0	19.00	Peak	27.00	150	Horizontal	Pass
2**	5460.000	45.07	1.23	54.0	8.93	AV	27.00	150	Horizontal	Pass
3	5460.400	56.40	1.22	68.2	11.80	Peak	328.00	100	Horizontal	Pass
3**	5460.400	44.75	1.22	--	--	AV	328.00	100	Horizontal	N/A
4	5470.000	55.27	1.37	68.2	12.93	Peak	338.00	200	Horizontal	Pass
4**	5470.000	45.23	1.37	--	--	AV	338.00	200	Horizontal	N/A

U-NII-2C 11n20 High Channel



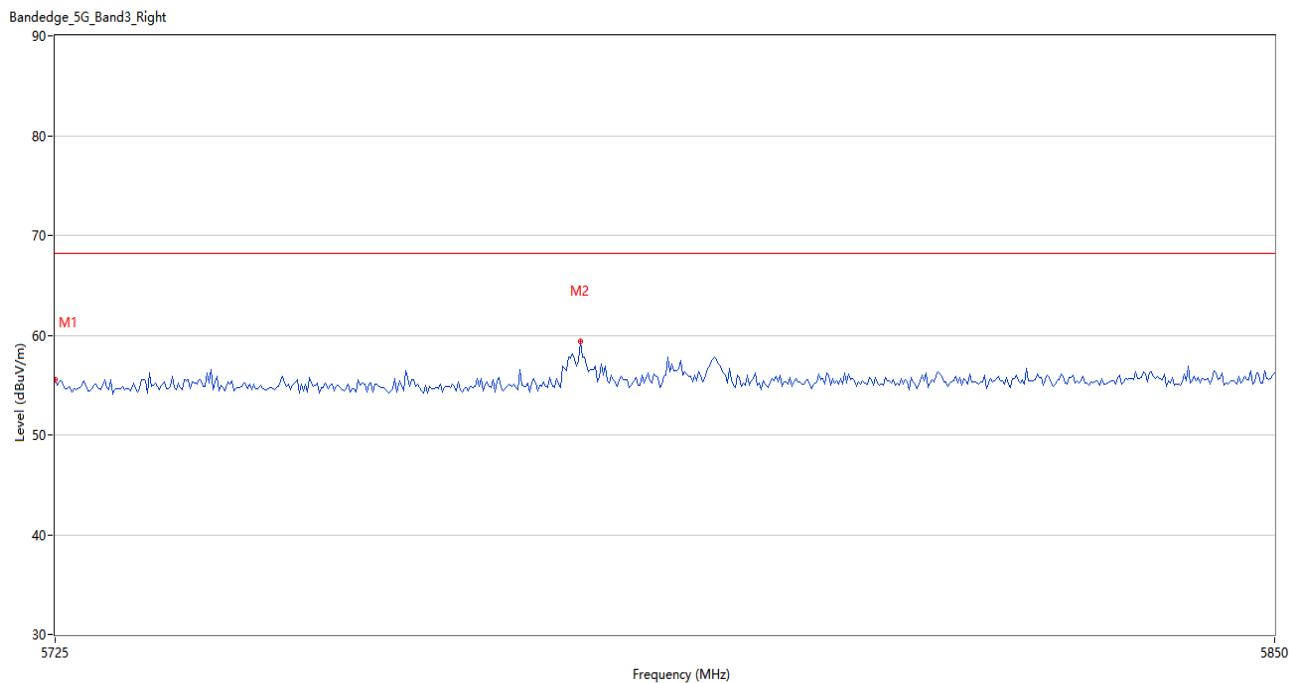
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	54.76	0.63	68.2	13.44	Peak	312.00	150	Horizontal	Pass
2	5777.916	59.87	1.34	68.2	8.33	Peak	75.00	200	Horizontal	Pass

U-NII-2C 11n40 Low Channel



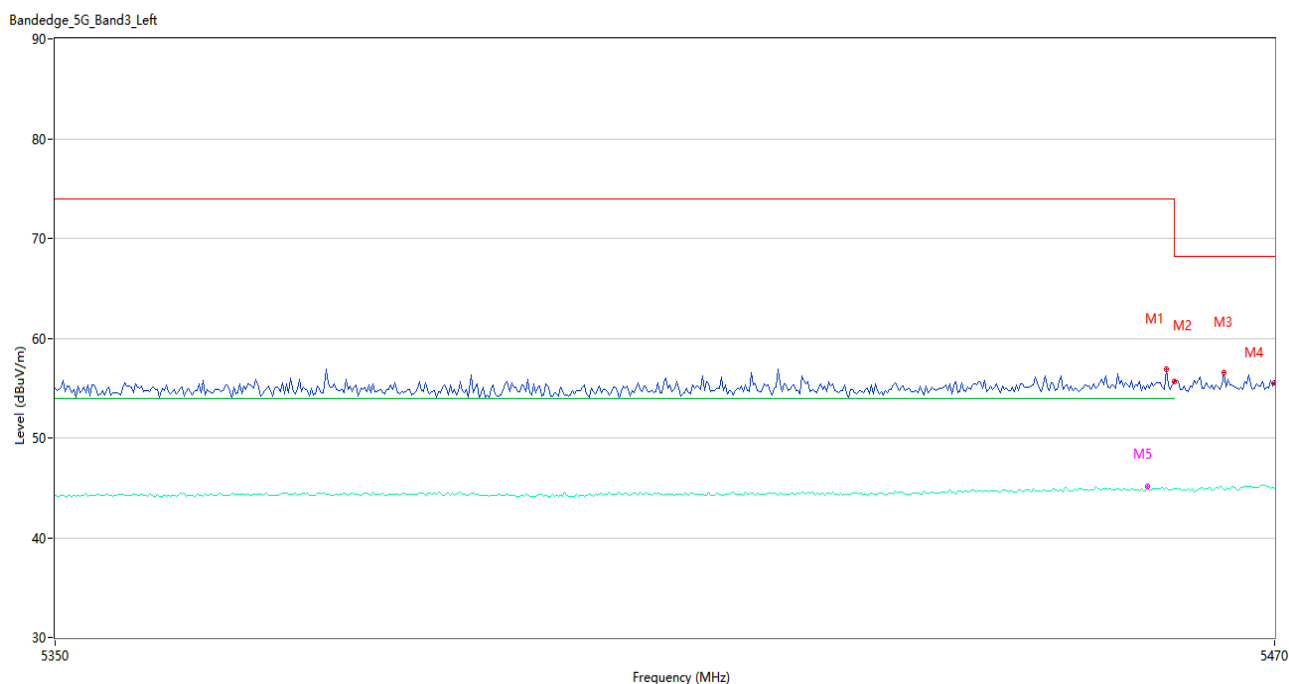
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5441.400	56.69	1.30	74.0	17.31	Peak	109.00	150	Horizontal	Pass
1**	5441.400	44.92	1.30	54.0	9.08	AV	109.00	150	Horizontal	Pass
2	5460.000	55.16	1.23	74.0	18.84	Peak	285.00	150	Horizontal	Pass
2**	5460.000	45.07	1.23	54.0	8.93	AV	285.00	150	Horizontal	Pass
3	5469.000	59.60	1.36	68.2	8.60	Peak	314.00	100	Horizontal	Pass
3**	5469.000	45.86	1.36	--	--	AV	314.00	100	Horizontal	N/A
4	5470.000	57.75	1.37	68.2	10.45	Peak	319.00	100	Horizontal	Pass
4**	5470.000	46.01	1.37	--	--	AV	319.00	100	Horizontal	N/A
5	5452.400	54.91	1.29	74.0	19.09	Peak	242.00	150	Horizontal	Pass
5**	5452.400	45.22	1.29	54.0	8.78	AV	242.00	150	Horizontal	Pass

U-NII-2C 11n40 High Channel



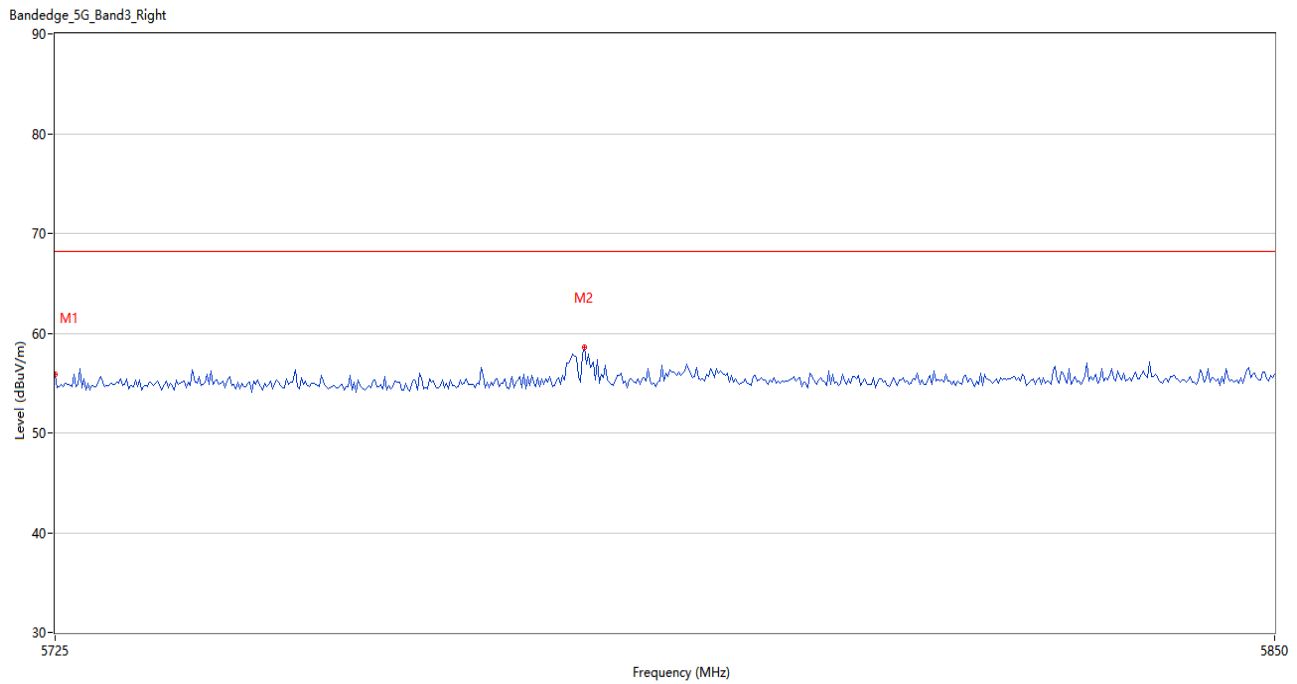
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	55.49	0.63	68.2	12.71	Peak	360.00	150	Horizontal	Pass
2	5778.542	59.42	1.36	68.2	8.78	Peak	178.00	100	Horizontal	Pass

U-NII-2C 11ac20 Low Channel



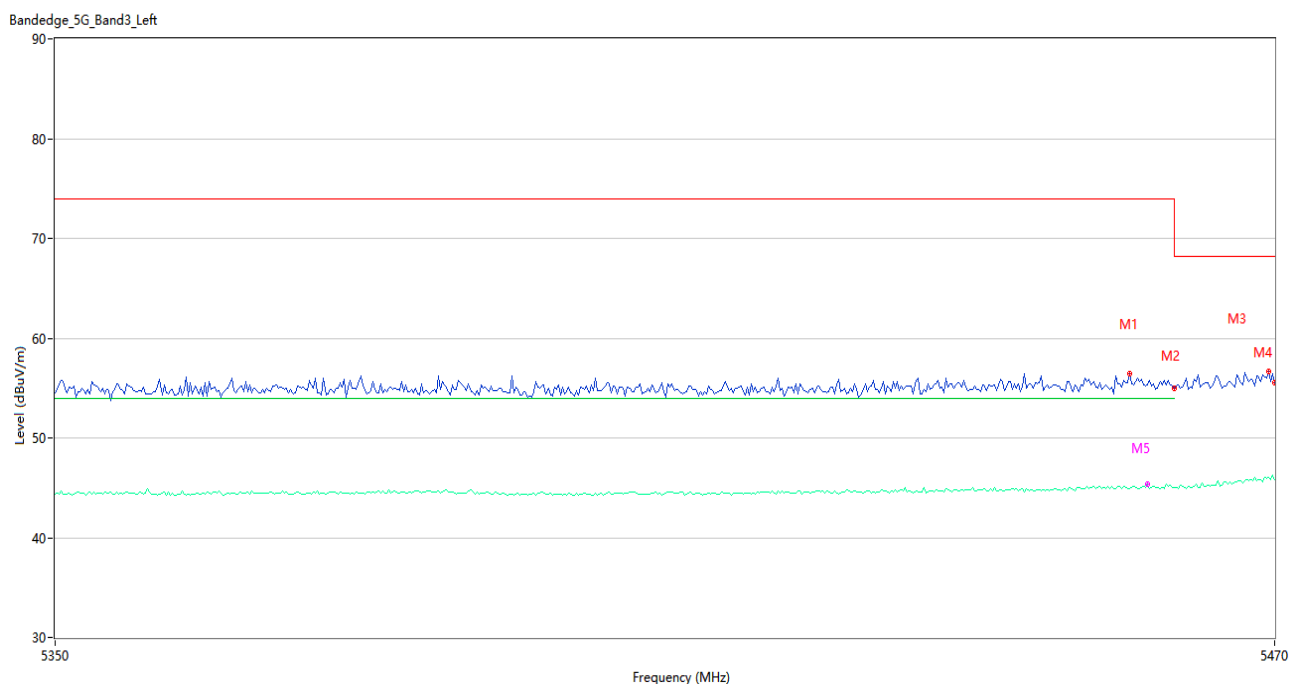
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5459.200	56.95	1.24	74.0	17.05	Peak	130.00	200	Horizontal	Pass
1**	5459.200	44.98	1.24	54.0	9.02	AV	130.00	200	Horizontal	Pass
2	5460.000	55.69	1.23	74.0	18.31	Peak	97.00	200	Horizontal	Pass
2**	5460.000	44.92	1.23	54.0	9.08	AV	97.00	200	Horizontal	Pass
3	5465.000	56.59	1.29	68.2	11.61	Peak	0.00	200	Horizontal	Pass
3**	5465.000	44.82	1.29	--	--	AV	0.00	200	Horizontal	N/A
4	5470.000	55.50	1.37	68.2	12.70	Peak	357.00	150	Horizontal	Pass
4**	5470.000	44.91	1.37	--	--	AV	357.00	150	Horizontal	N/A
5	5457.400	55.29	1.17	74.0	18.71	Peak	258.00	150	Horizontal	Pass
5**	5457.400	45.11	1.17	54.0	8.89	AV	258.00	150	Horizontal	Pass

U-NII-2C 11ac20 High Channel



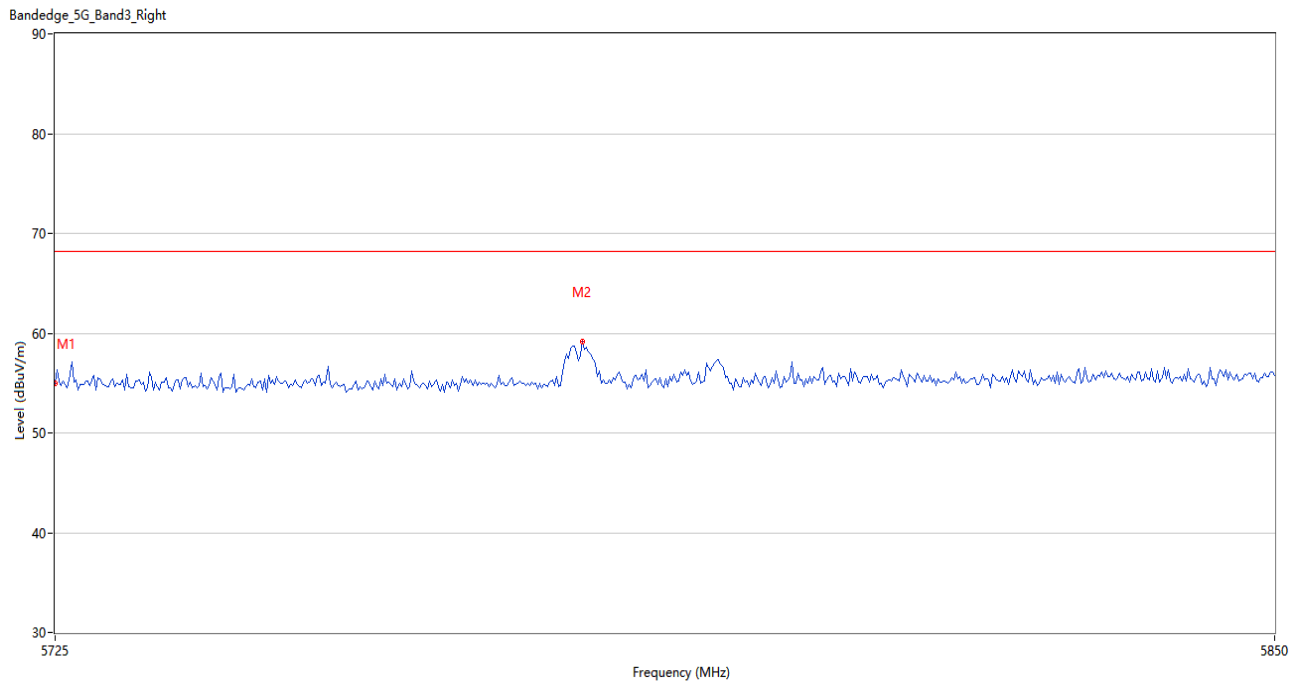
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	55.88	0.63	68.2	12.32	Peak	249.00	200	Horizontal	Pass
2	5778.958	58.59	1.37	68.2	9.61	Peak	162.00	200	Horizontal	Pass

U-NII-2C 11ac40 Low Channel



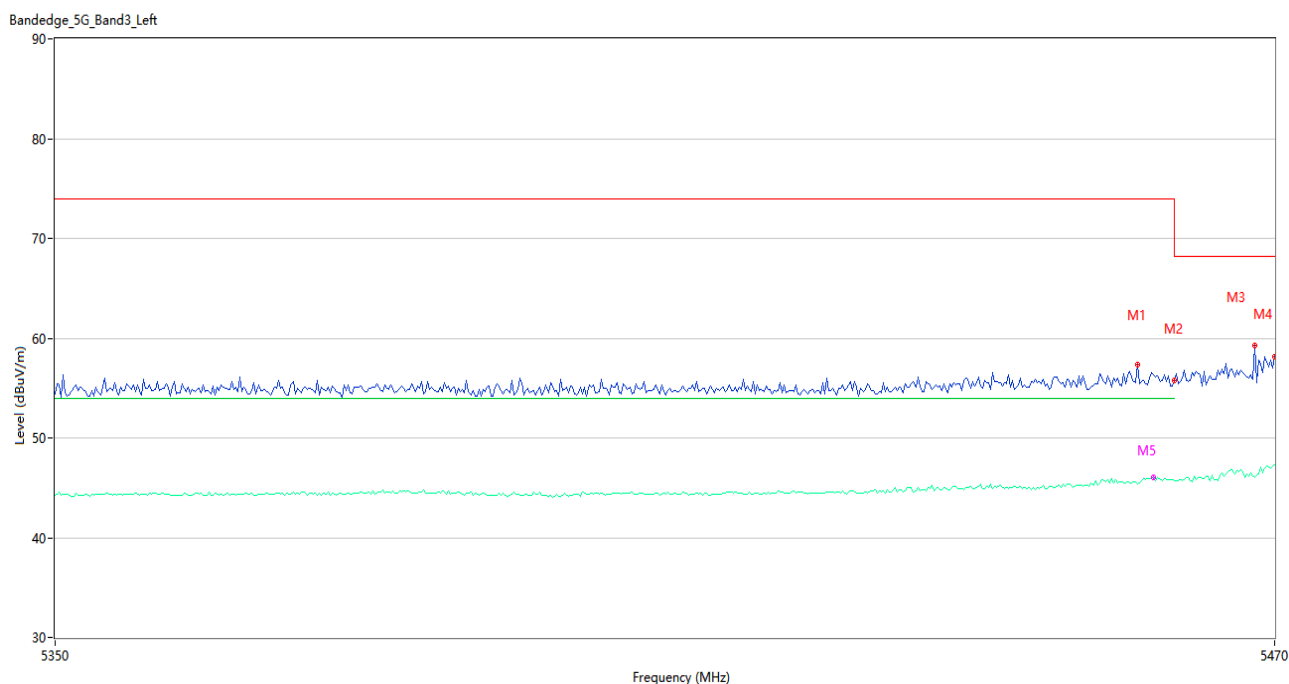
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5455.600	56.44	1.18	74.0	17.56	Peak	276.00	100	Horizontal	Pass
1**	5455.600	44.96	1.18	54.0	9.04	AV	276.00	100	Horizontal	Pass
2	5460.000	54.98	1.23	74.0	19.02	Peak	252.00	150	Horizontal	Pass
2**	5460.000	45.05	1.23	54.0	8.95	AV	252.00	150	Horizontal	Pass
3	5469.400	56.66	1.37	68.2	11.54	Peak	319.00	100	Horizontal	Pass
3**	5469.400	46.05	1.37	--	--	AV	319.00	100	Horizontal	N/A
4	5470.000	55.54	1.37	68.2	12.66	Peak	84.00	150	Horizontal	Pass
4**	5470.000	45.77	1.37	--	--	AV	84.00	150	Horizontal	N/A
5	5457.400	55.30	1.17	74.0	18.70	Peak	5.00	150	Horizontal	Pass
5**	5457.400	45.34	1.17	54.0	8.66	AV	5.00	150	Horizontal	Pass

U-NII-2C 11ac40 High Channel



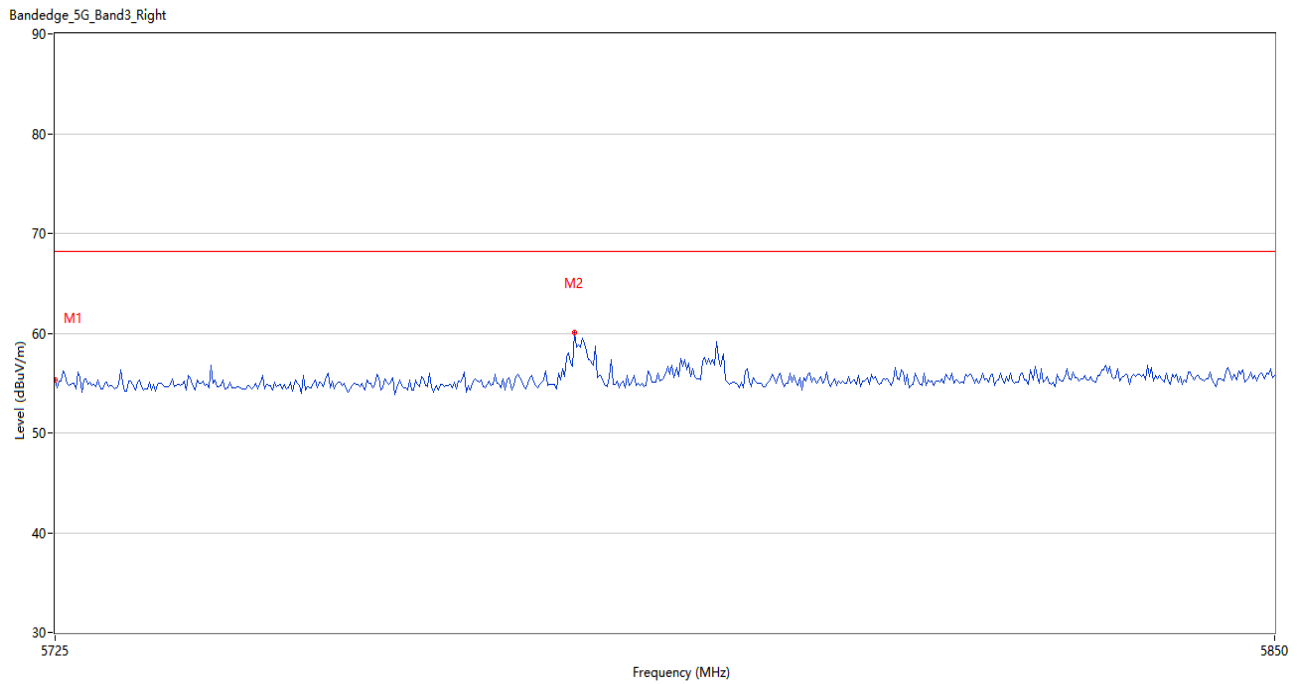
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	54.97	0.63	68.2	13.23	Peak	343.00	150	Horizontal	Pass
2	5778.750	59.13	1.37	68.2	9.07	Peak	357.00	150	Horizontal	Pass

U-NII-2C 11ac80 Low Channel



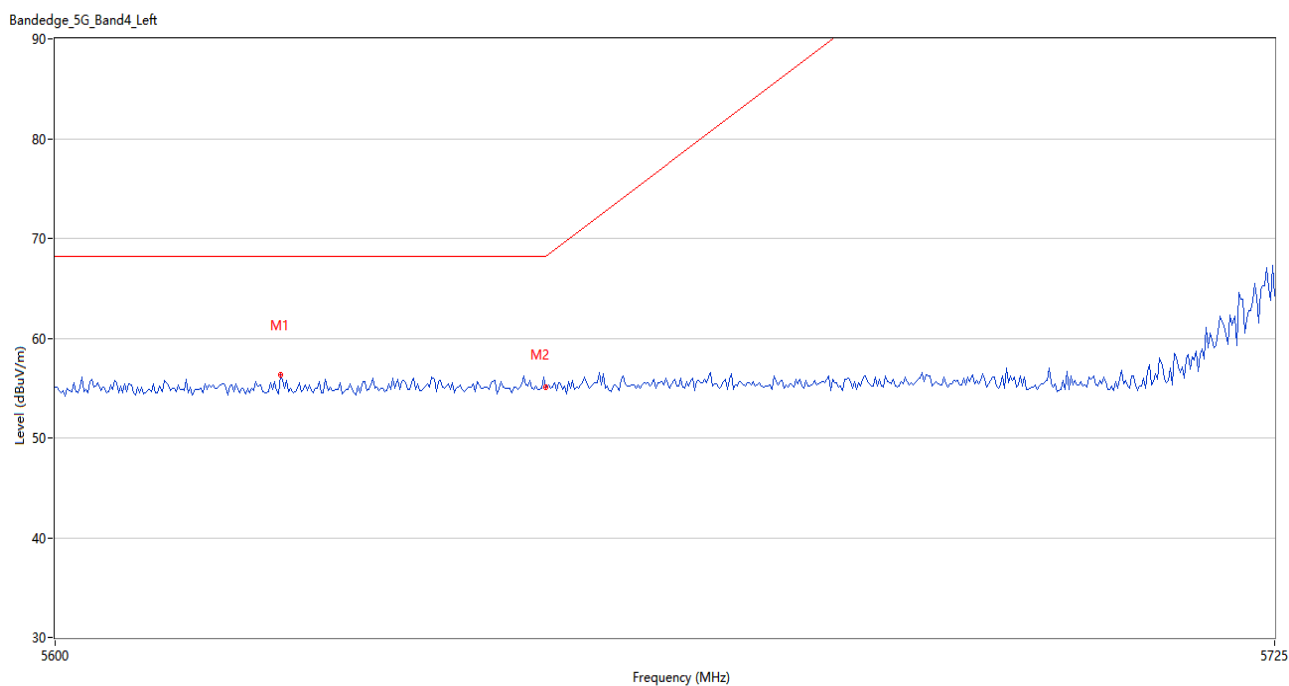
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5456.400	57.29	1.16	74.0	16.71	Peak	71.00	150	Horizontal	Pass
1**	5456.400	45.35	1.16	54.0	8.65	AV	71.00	150	Horizontal	Pass
2	5460.000	55.71	1.23	74.0	18.29	Peak	136.00	150	Horizontal	Pass
2**	5460.000	45.66	1.23	54.0	8.34	AV	136.00	150	Horizontal	Pass
3	5468.000	59.30	1.34	68.2	8.90	Peak	317.00	100	Horizontal	Pass
3**	5468.000	46.09	1.34	--	--	AV	317.00	100	Horizontal	N/A
4	5470.000	58.11	1.37	68.2	10.09	Peak	312.00	200	Horizontal	Pass
4**	5470.000	47.30	1.37	--	--	AV	312.00	200	Horizontal	N/A
5	5458.000	56.33	1.20	74.0	17.67	Peak	350.00	150	Horizontal	Pass
5**	5458.000	46.01	1.20	54.0	7.99	AV	350.00	150	Horizontal	Pass

U-NII-2C 11ac80 High Channel



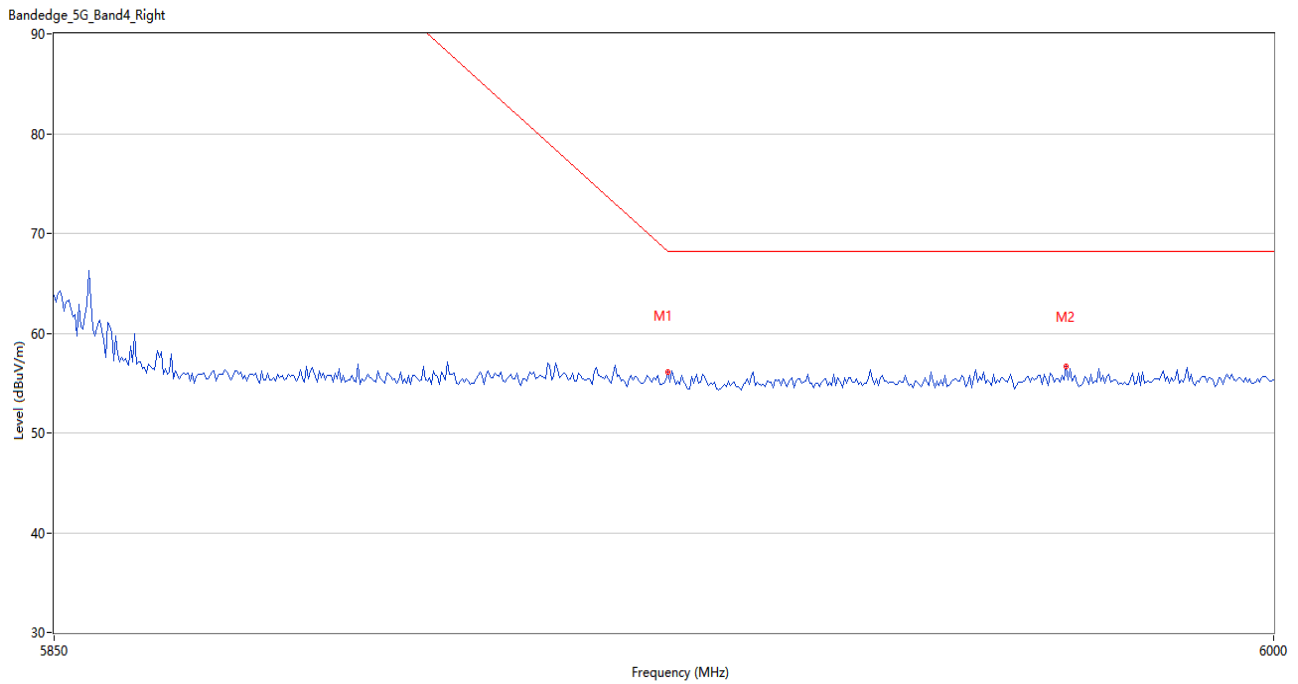
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	55.33	0.63	68.2	12.87	Peak	143.00	150	Horizontal	Pass
2	5777.916	60.01	1.34	68.2	8.19	Peak	319.00	150	Horizontal	Pass

U-NII-3 11a Low Channel



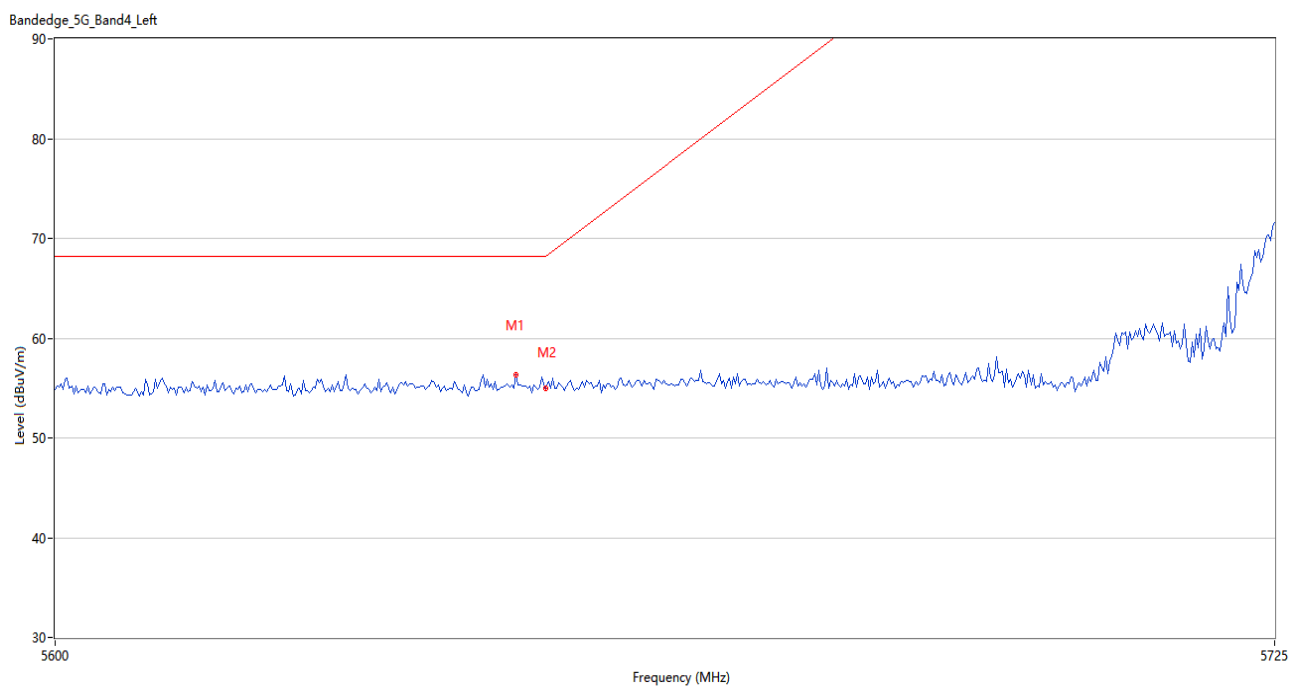
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5622.917	56.32	0.68	68.2	11.88	Peak	360.00	150	Horizontal	Pass
2	5650.000	55.10	0.79	68.2	13.10	Peak	271.00	200	Horizontal	Pass

U-NII-3 11a High Channel



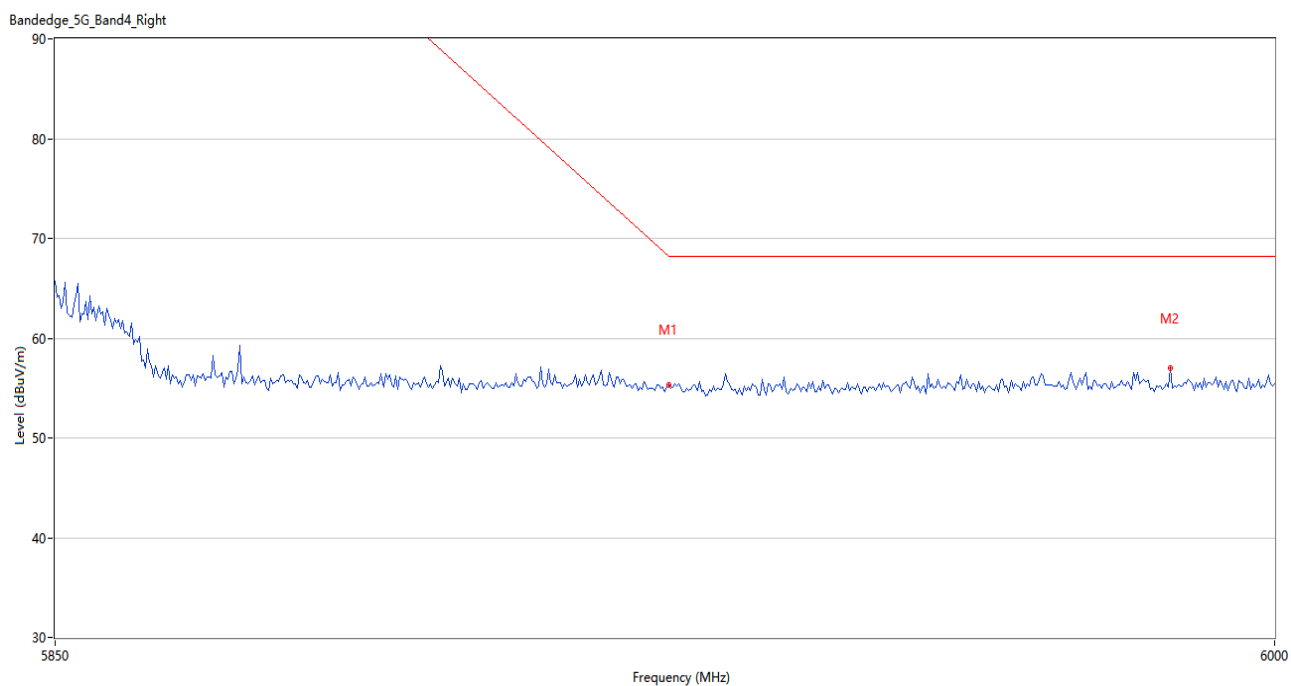
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	56.14	1.08	68.2	12.06	Peak	0.00	150	Horizontal	Pass
2	5974.250	56.66	1.15	68.2	11.54	Peak	280.00	150	Horizontal	Pass

U-NII-3 11n20 Low Channel



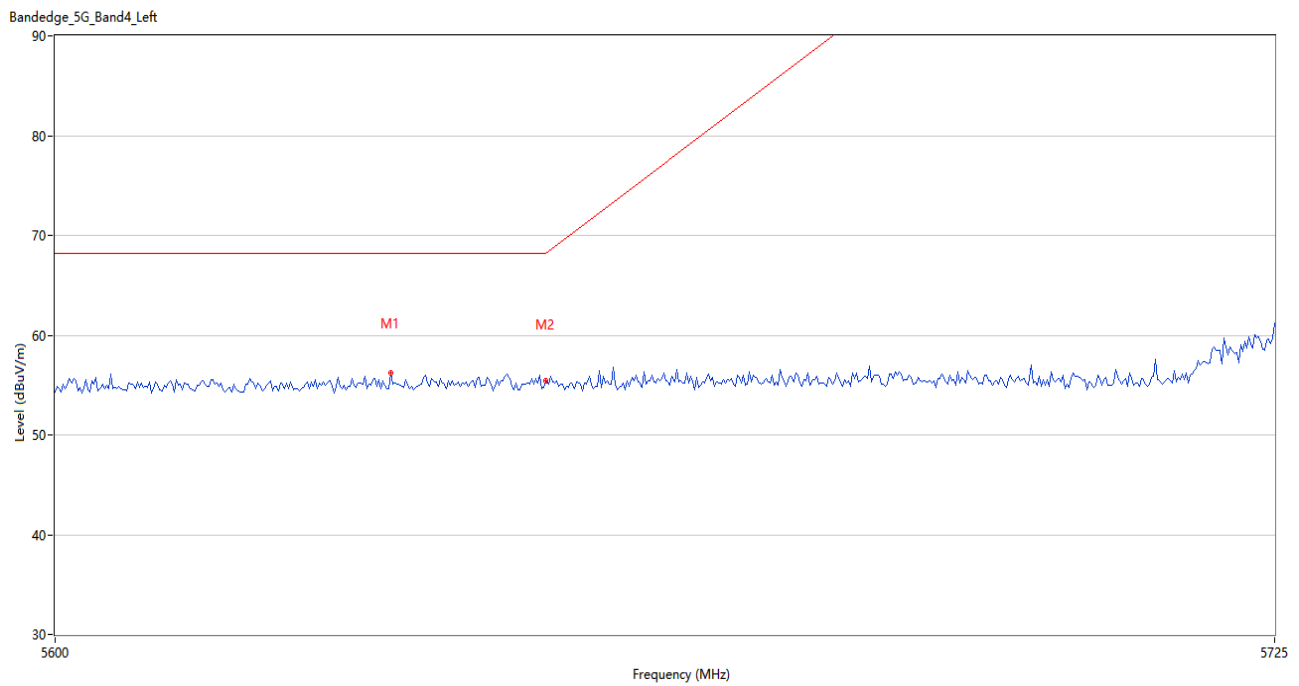
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5646.875	56.32	0.83	68.2	11.88	Peak	228.00	150	Horizontal	Pass
2	5650.000	54.94	0.79	68.2	13.26	Peak	0.00	150	Horizontal	Pass

U-NII-3 11n20 High Channel



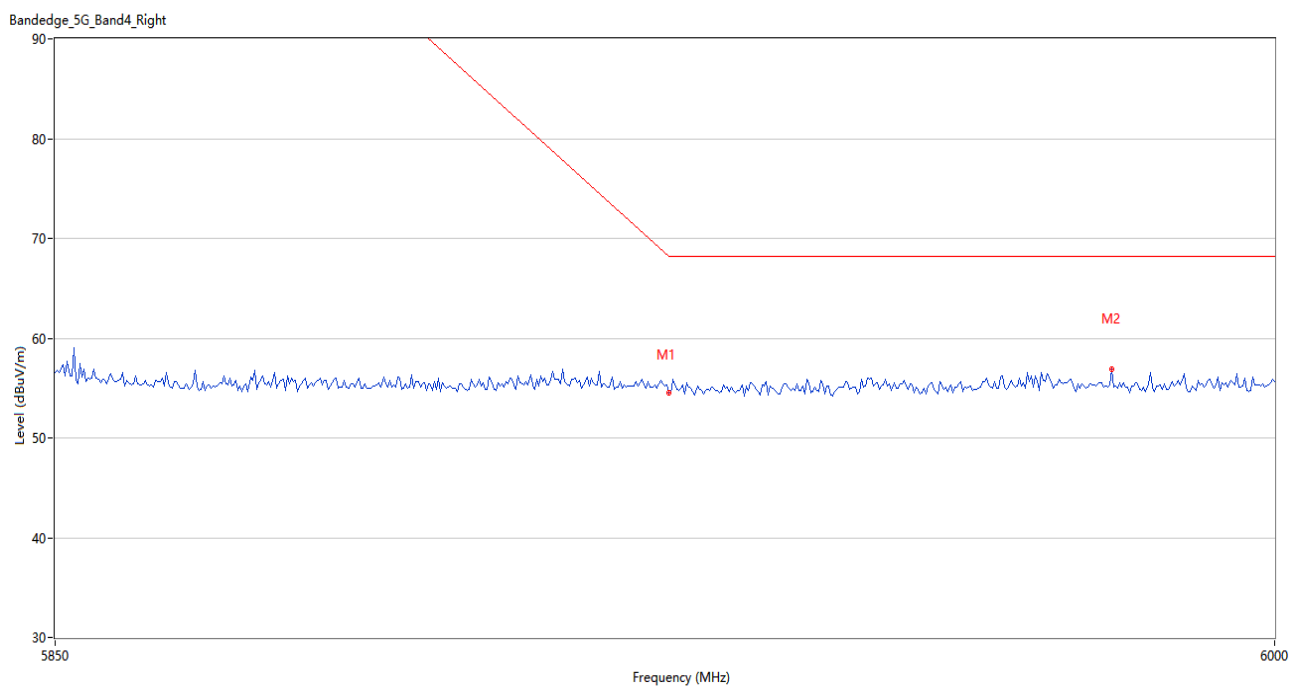
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	55.30	1.08	68.2	12.90	Peak	283.00	100	Horizontal	Pass
2	5987.000	56.99	0.91	68.2	11.21	Peak	314.00	100	Horizontal	Pass

U-NII-3 11n40 Low Channel



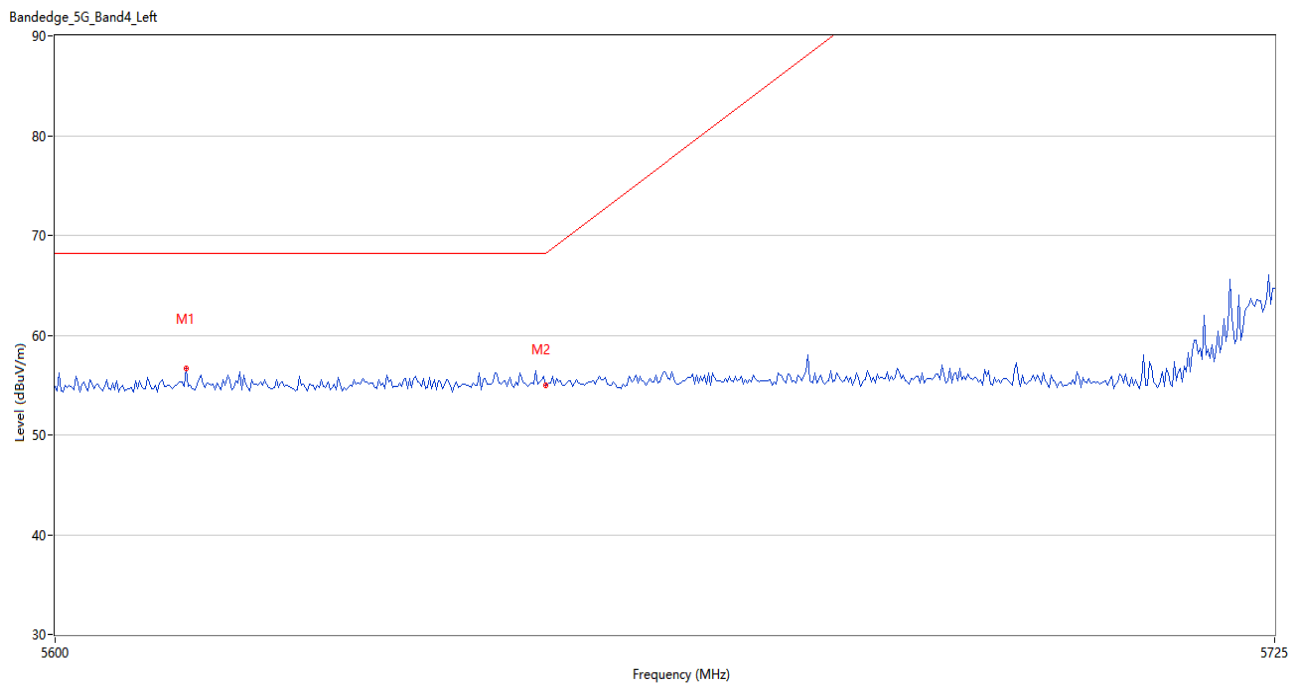
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5634.166	56.16	0.94	68.2	12.04	Peak	33.00	150	Horizontal	Pass
2	5650.000	55.47	0.79	68.2	12.73	Peak	53.00	100	Horizontal	Pass

U-NII-3 11n40 High Channel



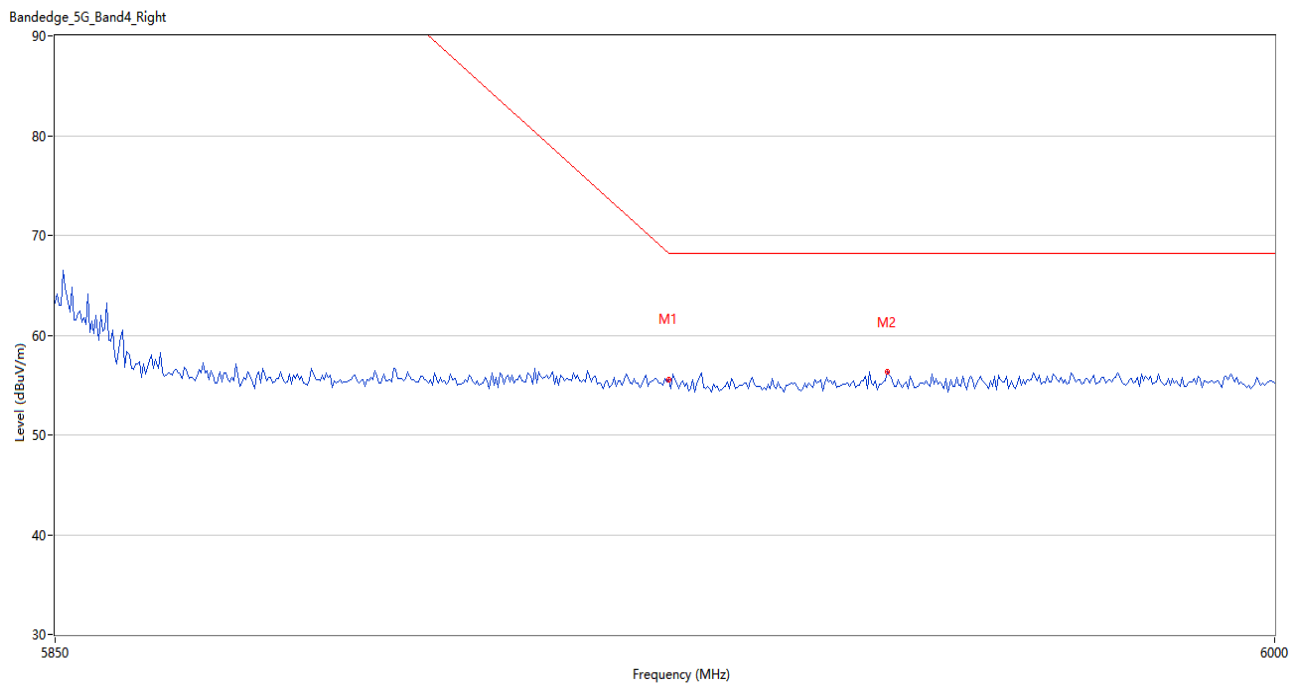
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	54.55	1.08	68.2	13.65	Peak	113.00	150	Horizontal	Pass
2	5979.750	56.93	0.97	68.2	11.27	Peak	356.00	150	Horizontal	Pass

U-NII-3 11ac20 Low Channel



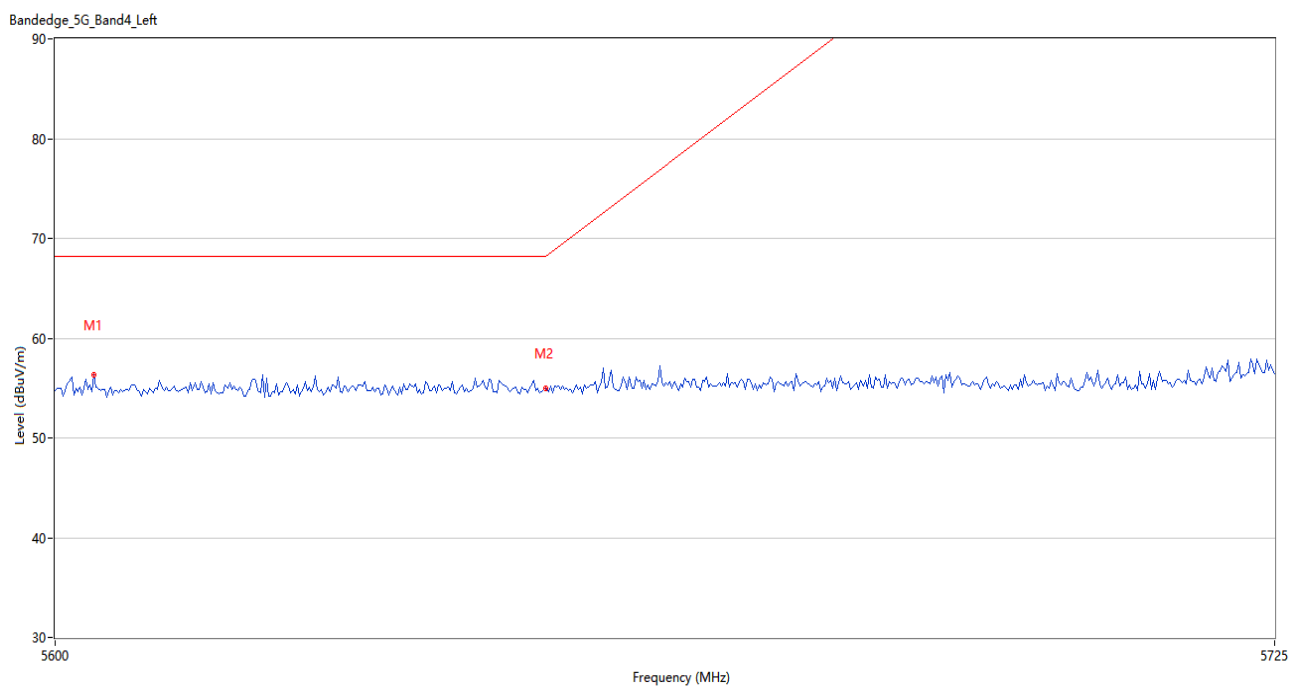
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5613.334	56.64	0.67	68.2	11.56	Peak	31.00	100	Horizontal	Pass
2	5650.000	54.99	0.79	68.2	13.21	Peak	74.00	200	Horizontal	Pass

U-NII-3 11ac20 High Channel



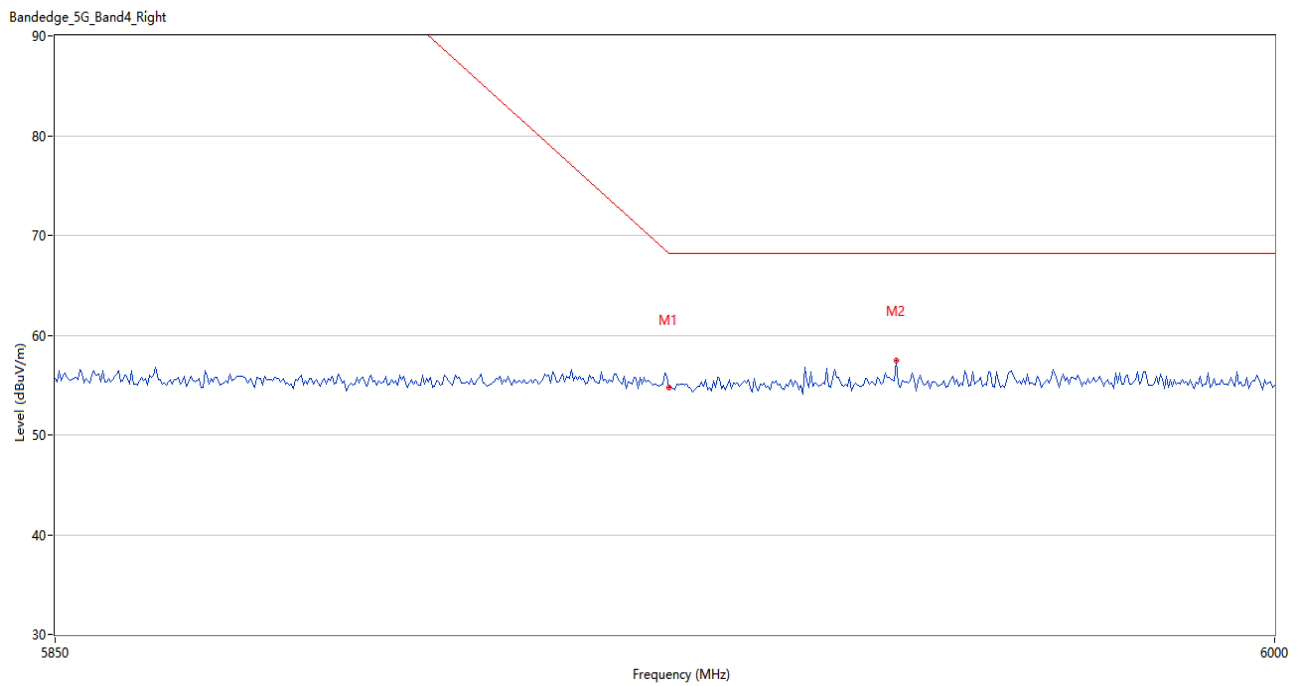
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	55.57	1.08	68.2	12.63	Peak	69.00	200	Horizontal	Pass
2	5952.000	56.32	1.02	68.2	11.88	Peak	302.00	100	Horizontal	Pass

U-NII-3 11ac40 Low Channel



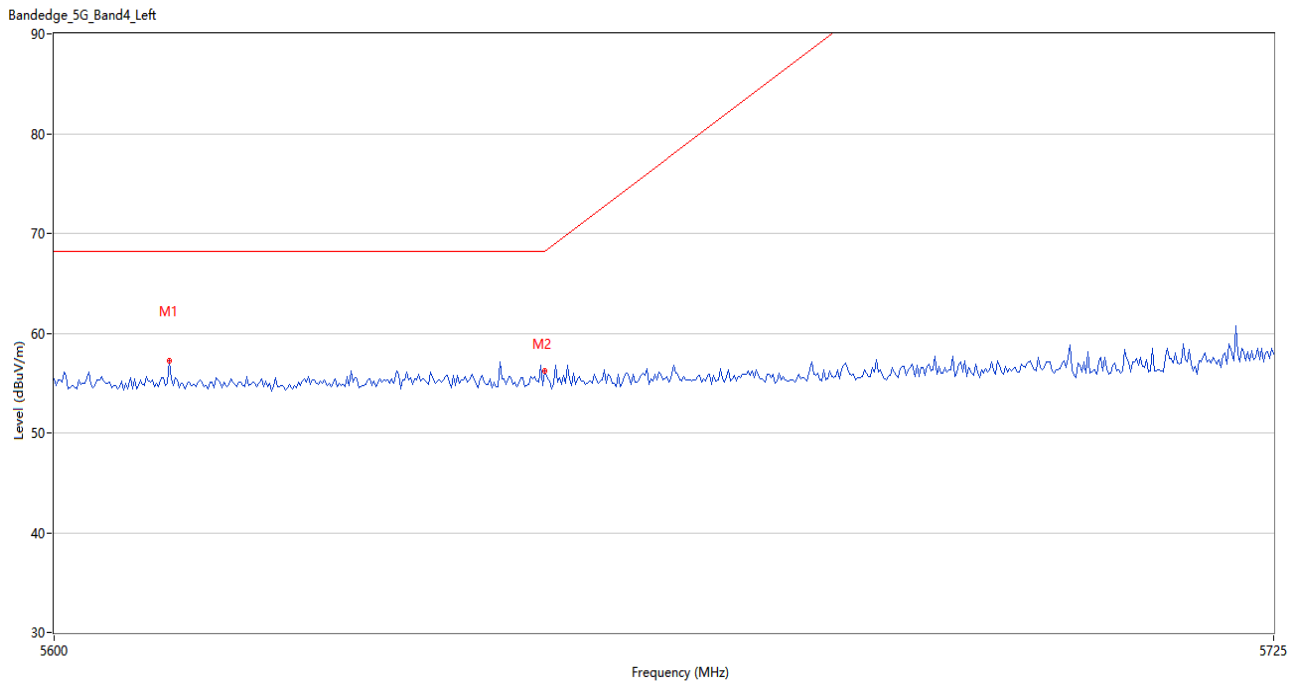
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5603.958	56.30	0.63	68.2	11.90	Peak	322.00	100	Horizontal	Pass
2	5650.000	54.93	0.79	68.2	13.27	Peak	256.00	200	Horizontal	Pass

U-NII-3 11ac40 High Channel



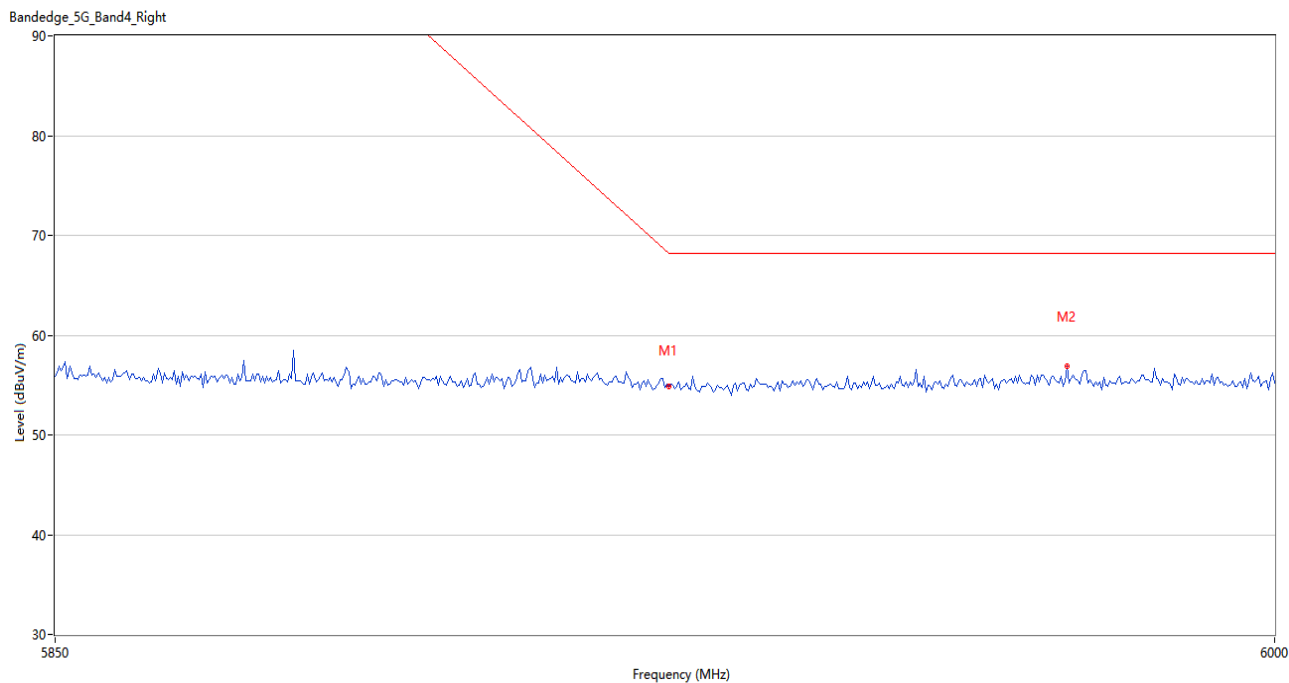
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	54.79	1.08	68.2	13.41	Peak	136.00	200	Horizontal	Pass
2	5953.000	57.45	1.03	68.2	10.75	Peak	116.00	150	Horizontal	Pass

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	5611.666	57.19	0.70	68.2	11.01	Peak	0.00	100	Horizontal	Pass
2	5650.000	54.95	0.79	68.2	13.25	Peak	75.00	100	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	54.84	1.08	68.2	13.36	Peak	360.00	150	Horizontal	Pass
2	5974.250	56.86	1.15	68.2	11.34	Peak	333.00	150	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2460066-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2460066-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2460066-AI.PDF”.

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