

TEST REPORT

Applicant: Zhejiang ZEEKR Intelligent Technology Co., Ltd.
Address: Room 1031, Building 1, Liaohe Road Commercial Building, Xinqing Street, Beilun District, Ningbo City, Zhejiang Province, China
Equipment Type: Telematics Module
Model Name: GLM2037TDD
Brand Name: Neusoft
FCC ID: 2BGA3-GLM2037TDD
Test Standard: 47 CFR Part 15 Subpart E (refer to section 3.1)
Sample Arrival Date: Apr. 07, 2024
Test Date: May 06, 2024 - May 16, 2024
Date of Issue: May 29, 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>May 29, 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	Zhejiang ZEEKR Intelligent Technology Co., Ltd.
Address	Room 1031, Building 1, Liaohe Road Commercial Building, Xinqing Street, Beilun District, Ningbo City, Zhejiang Province, China

2.2 Manufacturer Information

Manufacturer	Neusoft Group (Dalian) Co., Ltd
Address	No 901-7 Huangpu Road, Ganjingzi District, Dalian City, Liaoning Province, China

2.3 General Description for Equipment under Test (EUT)

EUT Name	Telematics Module
Model Name Under Test	GLM2037TDD
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	5510
Software Version	5000
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/1900 MHz 3G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network LTE FDD Band 2/4/5/7/12/14/17/25/26/66/71 LTE TDD Band 41/42 5G Network SA: NR n2/n5/n7/n12/n14/n25/n41/n66/n71/n77/n78 NSA(EN-DC): DC_5A_n2A, DC_12A_n2A, DC_66A_n2A, DC_71A_n2A, DC_2A_n5A, DC_7A_n5A, DC_66A_n5A, DC_5A_n7A, DC_12A_n7A, DC_66A_n7A, DC_2A_n66A, DC_5A_n66A, DC_12A_n66A, DC_2A_n71A, DC_7A_n71A, DC_66A_n71A, DC_2A_n78A, DC_5A_n78A, DC_7A_n78A, DC_12A_n78A, DC_66A_n78A 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20/40) and 802.11ax(HE20/40) 5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80) and 802.11ax(HE20/40/80) U-NII-1/3, GPS, GLONASS, BDS, Galileo
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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-3: 5725 MHz to 5850 MHz
Product Type	☒ Mobile ☐ Portable ☐ Fix Location
Modulation technology	OFDM, OFDMA
Modulation Type	1024QAM, 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 802.11ax up to 600 Mbps
Channel Bandwidth	802.11a: 20 MHz 802.11n: 20 MHz, 40 MHz 802.11ac: 20 MHz, 40 MHz, 80 MHz 802.11ax: 20 MHz, 40 MHz, 80 MHz
Maximum Output Power	U-NII-1: 17.04 mW U-NII-3: 13.81 mW
Antenna System (eg., MIMO, Smart Antenna)	Cyclic Delay Diversity (CDD) for 802.11a Multi Input Multi Output (MIMO) for 802.11n/ac/ax
Categorization as Correlated or Completely Uncorrelated	Categorization as Correlated for 802.11a Categorization as Uncorrelated for 802.11n/ac/ax
Antenna Type	SISO-Antenna 1 FPC Antenna

	SISO-Antenna 2	
Antenna Gain	SISO-Antenna 1	U-NII-1: 5150 MHz to 5250 MHz: 2.0 dBi U-NII-3: 5725 MHz to 5850 MHz: 2.0 dBi
	SISO-Antenna 2	U-NII-1: 5150 MHz to 5250 MHz: 2.0 dBi U-NII-3: 5725 MHz to 5850 MHz: 2.0 dBi
Total directional gain	For power spectral density(PSD) measurements	Correlated: U-NII-1: 5150 MHz to 5250 MHz: 5.01 dBi U-NII-3: 5725 MHz to 5850 MHz: 2.00 dBi Formulas: Directional gain = $G_{ANT} + 10 \log(N_{ANT})$ dBi Uncorrelated: U-NII-1: 5150 MHz to 5250 MHz: 5.01 dBi U-NII-3: 5725 MHz to 5850 MHz: 2.00 dBi Formulas: Directional gain = G_{ANT}
	For power measurements	Correlated: U-NII-1: 5150 MHz to 5250 MHz: 5.01 dBi U-NII-3: 5725 MHz to 5850 MHz: 2.00 dBi Formulas: Directional gain = $G_{ANT} + 10 \log(N_{ANT})$ dBi Uncorrelated: U-NII-1: 5150 MHz to 5250 MHz: 5.01 dBi U-NII-3: 5725 MHz to 5850 MHz: 2.00 dBi Formulas: Directional gain = G_{ANT}
About the Product		The equipment is Telematics Module, intended for used with information technology equipment.

Mode	Antenna		
	SISO- Antenna 1	SISO- Antenna 2	MIMO
802.11a	√	√	√
802.11n20	√	√	√
802.11n40	√	√	√
802.11ac20	√	√	√
802.11ac40	√	√	√
802.11ac80	√	√	√
802.11ax20	√	√	√
802.11ax40	√	√	√
802.11ax80	√	√	√
Note: All the configurations were tested, but only the worst data was shown in this report.			

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	155	5775
44	5220	151	5755		
48	5240	159	5795		
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)/ax(HE20)

U-NII-1 (5150 - 5250 MHz)			U-NII-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
36	Low	5180	149	Low	5745
44	Mid	5220	157	Mid	5785
48	High	5240	165	High	5825

For 802.11n(HT40)/ac(VHT40)/ax(HE40)

U-NII-1 (5150 - 5250 MHz)			U-NII-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
38	Low	5190	151	Low	5755
46	High	5230	159	High	5795

For 802.11ac(VHT80)/ax(HE80)

U-NII-1 (5150 - 5250 MHz)			U-NII-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
42	Mid	5210	155	Mid	5775

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

Test Items	Mode	Data Rate	Modulation Type	U-NII-1	U-NII-3
				Channel	Channel
RF Output Power	11a	6	BPSK	48/44/36	165/157/149
	11n(20 MHz)	6.5		48/44/36	165/157/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(20 MHz)	6.5		48/44/36	165/157/149
	11ac(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	29.3		42	155
	11ax(20 MHz)	4		48/44/36	165/157/149
	11ax(40 MHz)	8		46/38	159/151
	11ax(80 MHz)	17		42	155
Emission Bandwidth & 99% Occupied	11a	6	BPSK	48/44/36	165/157/149
	11n(20 MHz)	6.5		48/44/36	165/157/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(20 MHz)	6.5		48/44/36	165/157/149

Bandwidth	11ac(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	29.3		42	155
	11ax(20 MHz)	4		48/44/36	165/157/149
	11ax(40 MHz)	8		46/38	159/151
	11ax(80 MHz)	17		42	155
6 dB bandwidth	11a	6	BPSK	N/A	165/157/149
	11n(20 MHz)	6.5		N/A	165/157/149
	11n(40 MHz)	13.5		N/A	159/151
	11ac(20 MHz)	6.5		N/A	165/157/149
	11ac(40 MHz)	13.5		N/A	159/151
	11ac(80 MHz)	29.3		N/A	155
	11ax(20 MHz)	4		N/A	165/157/149
	11ax(40 MHz)	8		N/A	159/151
	11ax(80 MHz)	17		N/A	155
Power Spectral Density	11a	6	BPSK	48/44/36	165/157/149
	11n(20 MHz)	6.5		48/44/36	165/157/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(20 MHz)	6.5		48/44/36	165/157/149
	11ac(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	29.3		42	155
	11ax(20 MHz)	4		48/44/36	165/157/149
	11ax(40 MHz)	8		46/38	159/151
	11ax(80 MHz)	17		42	155
Radiated Spurious Emissions	11a	6	BPSK	48/44/36	165/157/149
	11n(20 MHz)	6.5		48/44/36	165/157/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(20 MHz)	6.5		48/44/36	165/157/149
	11ac(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	29.3		42	155
	11ax(20 MHz)	4		48/44/36	165/157/149
	11ax(40 MHz)	8		46/38	159/151
	11ax(80 MHz)	17		42	155
Band Edge (Restricted-band)	11a	6	BPSK	48/36	165/149
	11n(20 MHz)	6.5		48/36	165/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(20 MHz)	6.5		48/36	165/149
	11ac(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	29.3		42	155
	11ax(20 MHz)	4		48/36	165/149
	11ax(40 MHz)	8		46/38	159/151
	11ax(80 MHz)	17		42	155

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15 Subpart E	Unlicensed National Information Infrastructure Devices
2	KDB Publication 789033 D02v02r01	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
3	KDB Publication 662911 D01v02r01	Emissions Testing of Transmitters with Multiple Outputs in the Same Band (e.g., MIMO, Smart Antenna, etc)
4	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	N/A ^{Note 3}
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.

Note ³: The EUT is an in-vehicle device, so the Conducted Emission test is not applicable.

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

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

Relative Humidity	51% to 69%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+20.0°C to +24.3°C
	LT (Low Temperature)	-40.0°C
	HT (High Temperature)	+85.0°C
Working Voltage of the EUT	NV (Normal Voltage)	14V
	LV (Low Voltage)	8V
	HV (High Voltage)	16 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	MY50531259	2023.09.05	2024.09.04
Signaling Unit	ROHDE&SCHWARZ	CMW500	171150	2023.06.19	2024.06.18
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	02460	2021.05.20	2024.05.19
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2021.07.02	2024.07.01
Anechoic Chamber	RAINFORD	9m*6m*6m	140	2022.02.19	2024.08.15
Amplifier	COM-MV	LSCX_LNA1-12G-01	7210214	2023.09.05	2024.09.04
Amplifier	COM-MV	XKu_LNA7-18G-01	7210209	2023.09.05	2024.09.04
Amplifier	COM-MV	KA LNA18 40G-01	18050001	2023.12.06	2024.12.05
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2023.09.05	2024.09.04
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9168	9168-01162	2023.08.04	2024.08.03
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2024.01.23	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

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%

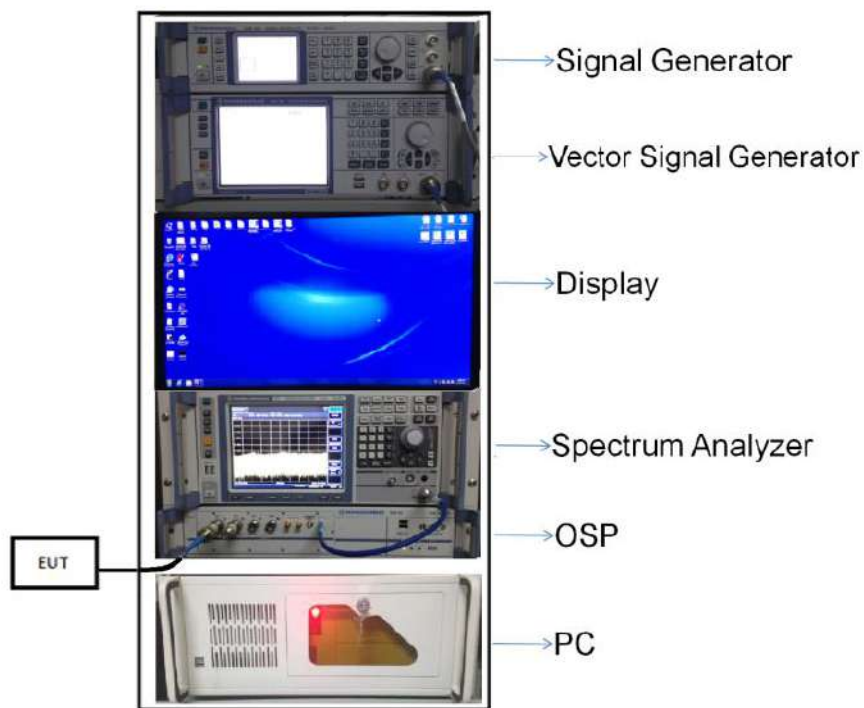
4.5 Description of Test Setup

4.5.1 For Antenna Port Test

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

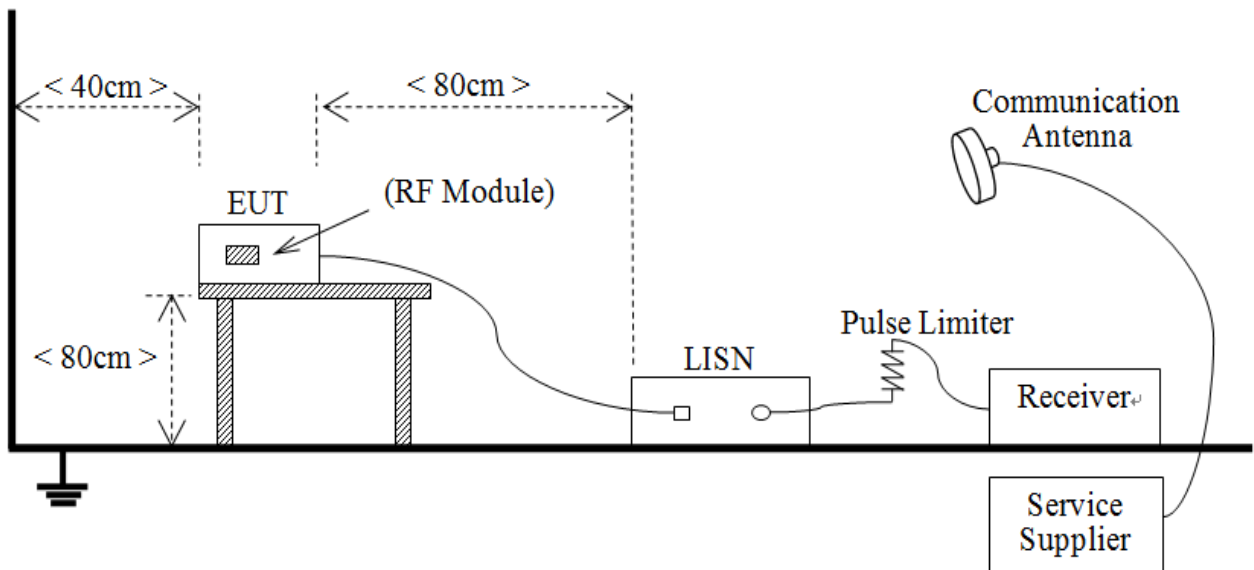
For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

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



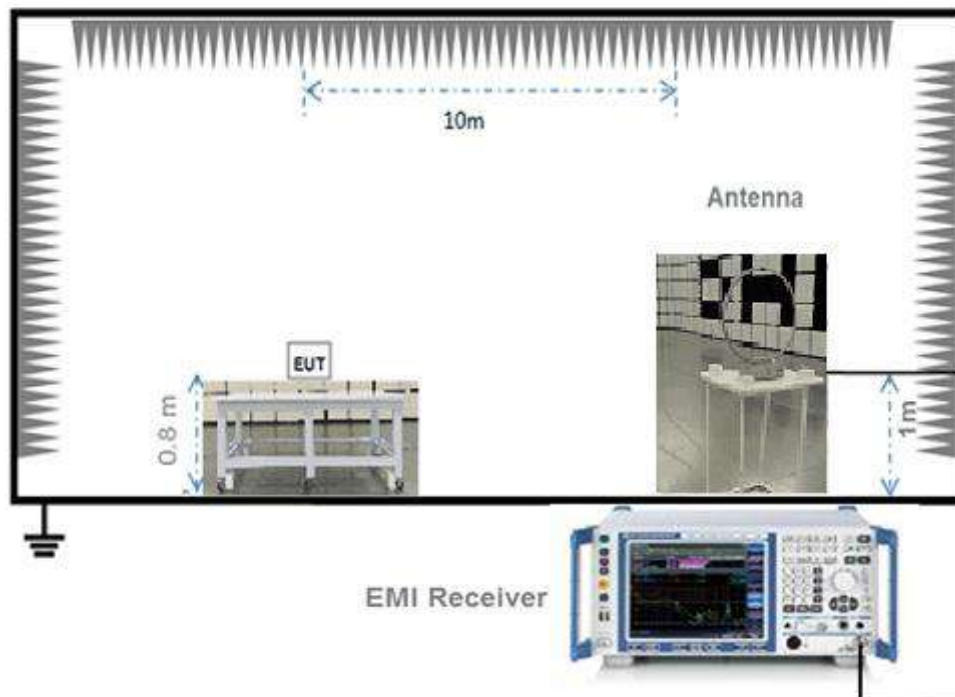
(Diagram 1)

4.5.2 For AC Power Supply Port Test



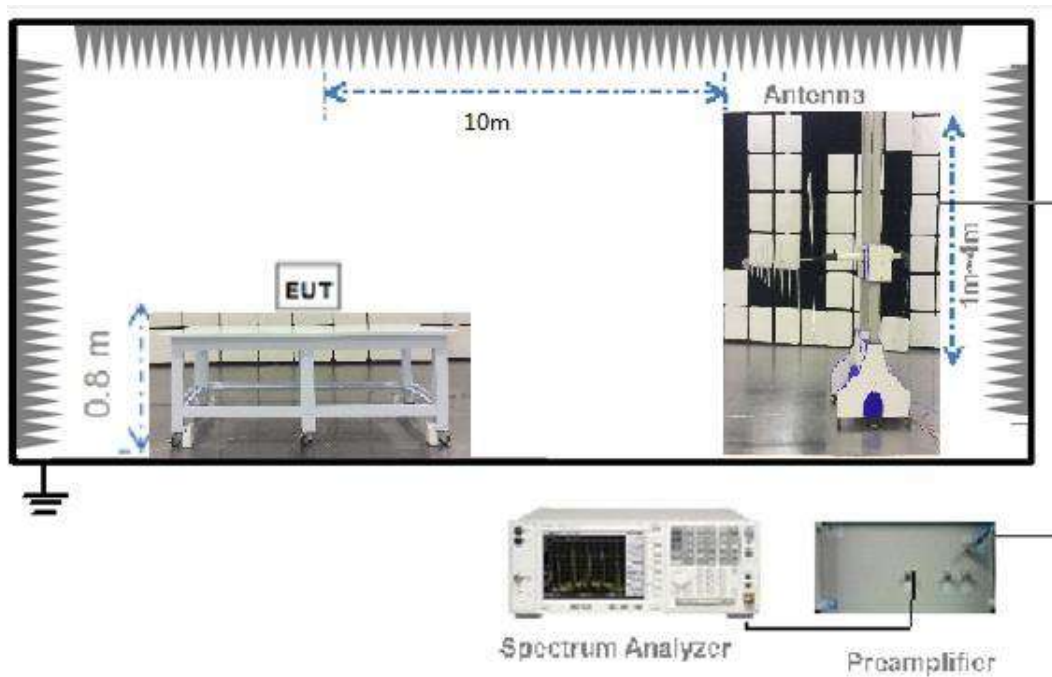
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



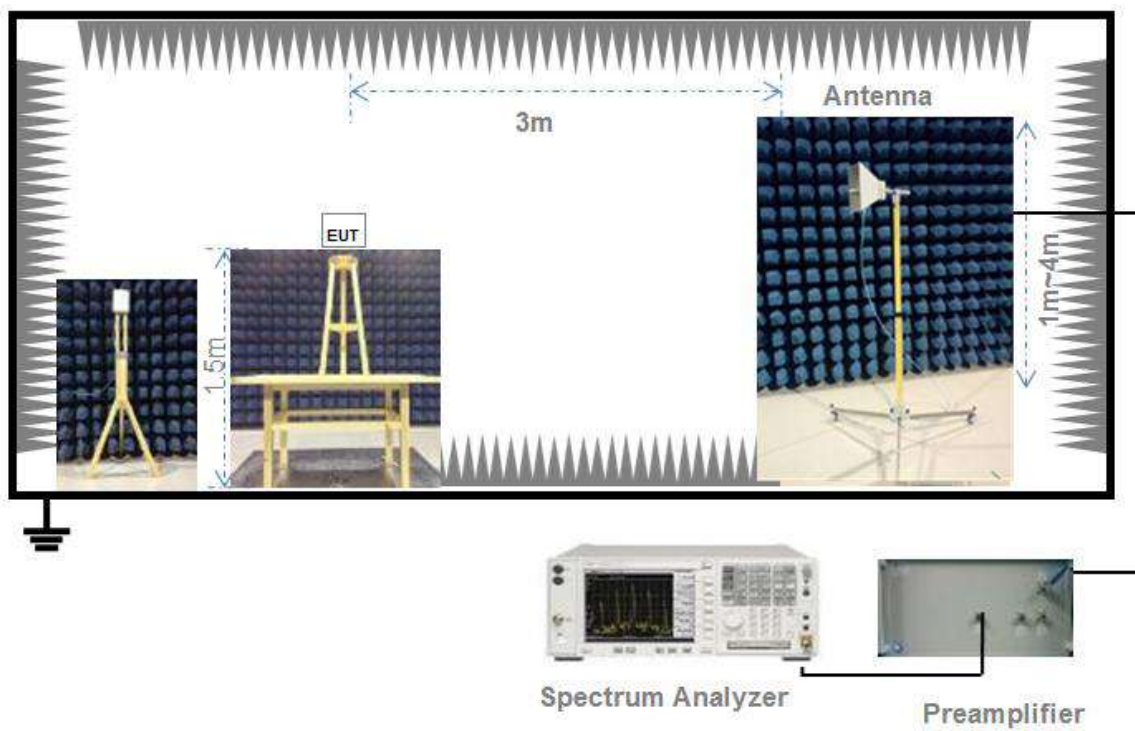
(Diagram 3)

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)

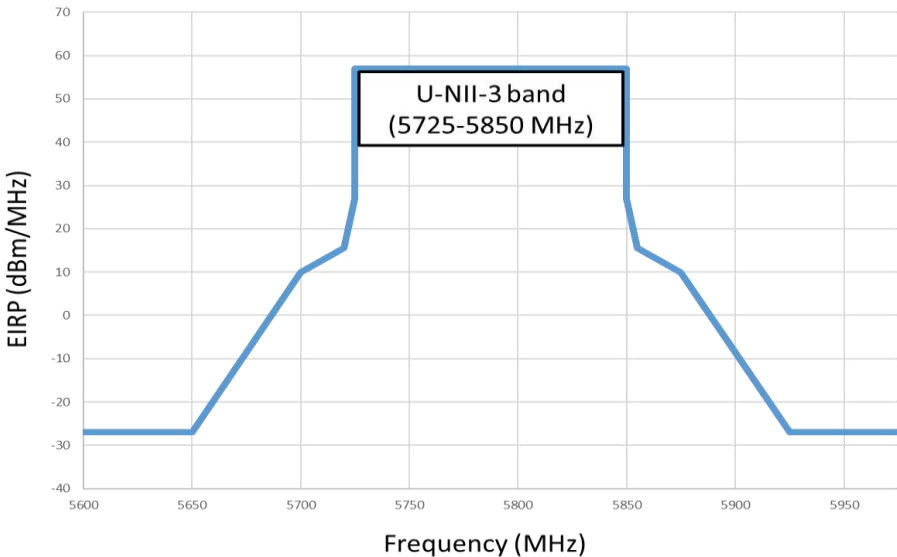
5.5.1 Limit

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.

ANNEX A TEST RESULT

A.1 RF Output Power

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

Note ² : The 802.11ax mode of the EUT only support full RU size configuration.

Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle	Duty Factor
11a	1.975	1.996	98.95%	0.05
11n (HT20)/11ac (VHT20)	5.430	5.448	99.67%	0.01
11n (HT40)/11ac (VHT40)	5.381	5.448	98.77%	0.05
11ac (VHT80)	5.393	5.448	98.99%	0.04
11ax(HE20)	5.436	5.460	99.56%	0.02
11ax(HE40)	5.393	5.466	98.66%	0.06
11ax(HE80)	5.411	5.454	99.21%	0.03

Test DataSISO-Antenna 1Conducted Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	8.69	7.40	250	Pass
11a	CH44	8.81	7.60	250	Pass
11a	CH48	8.58	7.21	250	Pass
11n (HT20)	CH36	8.59	7.23	250	Pass
11n (HT20)	CH44	8.69	7.40	250	Pass
11n (HT20)	CH48	8.51	7.10	250	Pass
11n (HT40)	CH38	8.95	7.85	250	Pass
11n (HT40)	CH46	8.72	7.45	250	Pass
11ac (VHT20)	CH36	8.66	7.35	250	Pass
11ac (VHT20)	CH44	8.85	7.67	250	Pass
11ac (VHT20)	CH48	8.92	7.80	250	Pass
11ac (VHT40)	CH38	8.82	7.62	250	Pass
11ac (VHT40)	CH46	8.74	7.48	250	Pass
11ac (VHT80)	CH42	8.96	7.87	250	Pass
11ax (HE20) (SU)	CH36	8.91	7.78	250	Pass
11ax (HE20) (SU)	CH44	8.89	7.74	250	Pass
11ax (HE20) (SU)	CH48	8.69	7.40	250	Pass
11ax (HE40) (SU)	CH38	8.74	7.48	250	Pass
11ax (HE40) (SU)	CH46	8.61	7.26	250	Pass
11ax (HE80) (SU)	CH42	8.80	7.59	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	7.50	5.62	1000	Pass
11a	CH157	7.51	5.64	1000	Pass
11a	CH165	7.72	5.92	1000	Pass
11n (HT20)	CH149	7.89	6.15	1000	Pass
11n (HT20)	CH157	7.94	6.22	1000	Pass
11n (HT20)	CH165	7.69	5.87	1000	Pass
11n (HT40)	CH151	7.65	5.82	1000	Pass
11n (HT40)	CH159	7.89	6.15	1000	Pass
11ac (VHT20)	CH149	7.50	5.62	1000	Pass
11ac (VHT20)	CH157	7.42	5.52	1000	Pass
11ac (VHT20)	CH165	7.62	5.78	1000	Pass
11ac (VHT40)	CH151	7.62	5.78	1000	Pass
11ac (VHT40)	CH159	7.91	6.18	1000	Pass
11ac (VHT80)	CH155	7.62	5.78	1000	Pass
11ax (HE20) (SU)	CH149	7.61	5.77	1000	Pass
11ax (HE20) (SU)	CH157	7.57	5.71	1000	Pass
11ax (HE20) (SU)	CH165	7.73	5.93	1000	Pass
11ax (HE40) (SU)	CH151	7.68	5.86	1000	Pass
11ax (HE40) (SU)	CH159	7.94	6.22	1000	Pass
11ax (HE80) (SU)	CH155	7.57	5.71	1000	Pass

SISO-Antenna 2Conducted Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	8.70	7.41	250	Pass
11a	CH44	8.66	7.35	250	Pass
11a	CH48	8.77	7.53	250	Pass
11n (HT20)	CH36	8.48	7.05	250	Pass
11n (HT20)	CH44	8.51	7.10	250	Pass
11n (HT20)	CH48	8.68	7.38	250	Pass
11n (HT40)	CH38	8.83	7.64	250	Pass
11n (HT40)	CH46	8.59	7.23	250	Pass
11ac (VHT20)	CH36	8.74	7.48	250	Pass
11ac (VHT20)	CH44	8.59	7.23	250	Pass
11ac (VHT20)	CH48	8.69	7.40	250	Pass
11ac (VHT40)	CH38	8.53	7.13	250	Pass
11ac (VHT40)	CH46	8.96	7.87	250	Pass
11ac (VHT80)	CH42	8.68	7.38	250	Pass
11ax (HE20) (SU)	CH36	8.72	7.45	250	Pass
11ax (HE20) (SU)	CH44	8.68	7.38	250	Pass
11ax (HE20) (SU)	CH48	8.82	7.62	250	Pass
11ax (HE40) (SU)	CH38	8.46	7.01	250	Pass
11ax (HE40) (SU)	CH46	8.93	7.82	250	Pass
11ax (HE80) (SU)	CH42	8.67	7.36	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	7.65	5.82	1000	Pass
11a	CH157	7.59	5.74	1000	Pass
11a	CH165	7.72	5.92	1000	Pass
11n (HT20)	CH149	7.86	6.11	1000	Pass
11n (HT20)	CH157	7.87	6.12	1000	Pass
11n (HT20)	CH165	7.53	5.66	1000	Pass
11n (HT40)	CH151	7.91	6.18	1000	Pass
11n (HT40)	CH159	7.78	6.00	1000	Pass
11ac (VHT20)	CH149	7.41	5.51	1000	Pass
11ac (VHT20)	CH157	7.87	6.12	1000	Pass
11ac (VHT20)	CH165	7.54	5.68	1000	Pass
11ac (VHT40)	CH151	7.97	6.27	1000	Pass
11ac (VHT40)	CH159	7.85	6.10	1000	Pass
11ac (VHT80)	CH155	7.71	5.90	1000	Pass
11ax (HE20) (SU)	CH149	7.66	5.83	1000	Pass
11ax (HE20) (SU)	CH157	7.61	5.77	1000	Pass
11ax (HE20) (SU)	CH165	7.75	5.96	1000	Pass
11ax (HE40) (SU)	CH151	7.87	6.12	1000	Pass
11ax (HE40) (SU)	CH159	7.69	5.87	1000	Pass
11ax (HE80) (SU)	CH155	7.67	5.85	1000	Pass

MIMO-Antenna 1Conducted Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	9.06	8.05	250	Pass
11a	CH44	9.23	8.38	250	Pass
11a	CH48	9.10	8.13	250	Pass
11n (HT20)	CH36	8.94	7.83	250	Pass
11n (HT20)	CH44	9.02	7.98	250	Pass
11n (HT20)	CH48	8.90	7.76	250	Pass
11n (HT40)	CH38	9.30	8.51	250	Pass
11n (HT40)	CH46	9.07	8.07	250	Pass
11ac (VHT20)	CH36	8.93	7.82	250	Pass
11ac (VHT20)	CH44	9.03	8.00	250	Pass
11ac (VHT20)	CH48	9.34	8.59	250	Pass
11ac (VHT40)	CH38	9.30	8.51	250	Pass
11ac (VHT40)	CH46	9.10	8.13	250	Pass
11ac (VHT80)	CH42	9.22	8.36	250	Pass
11ax (HE20) (SU)	CH36	9.11	8.15	250	Pass
11ax (HE20) (SU)	CH44	9.25	8.41	250	Pass
11ax (HE20) (SU)	CH48	9.19	8.30	250	Pass
11ax (HE40) (SU)	CH38	9.11	8.15	250	Pass
11ax (HE40) (SU)	CH46	9.07	8.07	250	Pass
11ax (HE80) (SU)	CH42	9.27	8.45	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	7.99	6.30	1000	Pass
11a	CH157	8.00	6.31	1000	Pass
11a	CH165	8.11	6.47	1000	Pass
11n (HT20)	CH149	8.27	6.71	1000	Pass
11n (HT20)	CH157	8.44	6.98	1000	Pass
11n (HT20)	CH165	8.01	6.32	1000	Pass
11n (HT40)	CH151	8.01	6.32	1000	Pass
11n (HT40)	CH159	8.36	6.85	1000	Pass
11ac (VHT20)	CH149	7.90	6.17	1000	Pass
11ac (VHT20)	CH157	7.89	6.15	1000	Pass
11ac (VHT20)	CH165	7.99	6.30	1000	Pass
11ac (VHT40)	CH151	7.99	6.30	1000	Pass
11ac (VHT40)	CH159	8.36	6.85	1000	Pass
11ac (VHT80)	CH155	8.07	6.41	1000	Pass
11ax (HE20) (SU)	CH149	7.97	6.27	1000	Pass
11ax (HE20) (SU)	CH157	8.02	6.34	1000	Pass
11ax (HE20) (SU)	CH165	8.10	6.46	1000	Pass
11ax (HE40) (SU)	CH151	8.36	6.85	1000	Pass
11ax (HE40) (SU)	CH159	8.31	6.78	1000	Pass
11ax (HE80) (SU)	CH155	8.15	6.53	1000	Pass

MIMO-Antenna 2Conducted Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	9.38	8.67	250	Pass
11a	CH44	9.27	8.45	250	Pass
11a	CH48	9.35	8.61	250	Pass
11n (HT20)	CH36	9.22	8.36	250	Pass
11n (HT20)	CH44	9.14	8.20	250	Pass
11n (HT20)	CH48	9.20	8.32	250	Pass
11n (HT40)	CH38	9.24	8.39	250	Pass
11n (HT40)	CH46	9.26	8.43	250	Pass
11ac (VHT20)	CH36	9.20	8.32	250	Pass
11ac (VHT20)	CH44	9.16	8.24	250	Pass
11ac (VHT20)	CH48	9.27	8.45	250	Pass
11ac (VHT40)	CH38	9.25	8.41	250	Pass
11ac (VHT40)	CH46	9.17	8.26	250	Pass
11ac (VHT80)	CH42	9.23	8.38	250	Pass
11ax (HE20) (SU)	CH36	9.39	8.69	250	Pass
11ax (HE20) (SU)	CH44	9.36	8.63	250	Pass
11ax (HE20) (SU)	CH48	9.38	8.67	250	Pass
11ax (HE40) (SU)	CH38	9.13	8.18	250	Pass
11ax (HE40) (SU)	CH46	9.15	8.22	250	Pass
11ax (HE80) (SU)	CH42	8.94	7.83	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	8.14	6.52	1000	Pass
11a	CH157	8.16	6.55	1000	Pass
11a	CH165	8.36	6.85	1000	Pass
11n (HT20)	CH149	7.92	6.19	1000	Pass
11n (HT20)	CH157	8.34	6.82	1000	Pass
11n (HT20)	CH165	8.28	6.73	1000	Pass
11n (HT40)	CH151	8.42	6.95	1000	Pass
11n (HT40)	CH159	8.30	6.76	1000	Pass
11ac (VHT20)	CH149	8.02	6.34	1000	Pass
11ac (VHT20)	CH157	8.09	6.44	1000	Pass
11ac (VHT20)	CH165	8.28	6.73	1000	Pass
11ac (VHT40)	CH151	8.13	6.50	1000	Pass
11ac (VHT40)	CH159	8.23	6.65	1000	Pass
11ac (VHT80)	CH155	8.31	6.78	1000	Pass
11ax (HE20) (SU)	CH149	8.16	6.55	1000	Pass
11ax (HE20) (SU)	CH157	8.18	6.58	1000	Pass
11ax (HE20) (SU)	CH165	8.35	6.84	1000	Pass
11ax (HE40) (SU)	CH151	8.07	6.41	1000	Pass
11ax (HE40) (SU)	CH159	8.20	6.61	1000	Pass
11ax (HE80) (SU)	CH155	8.33	6.81	1000	Pass

MIMOConducted Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	12.23	16.72	250	Pass
11a	CH44	12.26	16.83	250	Pass
11a	CH48	12.24	16.74	250	Pass
11n (HT20)	CH36	12.09	16.19	250	Pass
11n (HT20)	CH44	12.09	16.18	250	Pass
11n (HT20)	CH48	12.06	16.08	250	Pass
11n (HT40)	CH38	12.28	16.91	250	Pass
11n (HT40)	CH46	12.18	16.51	250	Pass
11ac (VHT20)	CH36	12.08	16.13	250	Pass
11ac (VHT20)	CH44	12.11	16.24	250	Pass
11ac (VHT20)	CH48	12.32	17.04	250	Pass
11ac (VHT40)	CH38	12.29	16.93	250	Pass
11ac (VHT40)	CH46	12.15	16.39	250	Pass
11ac (VHT80)	CH42	12.24	16.73	250	Pass
11ax (HE20) (SU)	CH36	12.26	16.84	250	Pass
11ax (HE20) (SU)	CH44	12.32	17.04	250	Pass
11ax (HE20) (SU)	CH48	12.30	16.97	250	Pass
11ax (HE40) (SU)	CH38	12.13	16.33	250	Pass
11ax (HE40) (SU)	CH46	12.12	16.29	250	Pass
11ax (HE80) (SU)	CH42	12.12	16.29	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	11.08	12.81	1000	Pass
11a	CH157	11.09	12.86	1000	Pass
11a	CH165	11.25	13.33	1000	Pass
11n (HT20)	CH149	11.11	12.91	1000	Pass
11n (HT20)	CH157	11.40	13.81	1000	Pass
11n (HT20)	CH165	11.16	13.05	1000	Pass
11n (HT40)	CH151	11.23	13.27	1000	Pass
11n (HT40)	CH159	11.34	13.62	1000	Pass
11ac (VHT20)	CH149	10.97	12.50	1000	Pass
11ac (VHT20)	CH157	11.00	12.59	1000	Pass
11ac (VHT20)	CH165	11.15	13.02	1000	Pass
11ac (VHT40)	CH151	11.07	12.80	1000	Pass
11ac (VHT40)	CH159	11.31	13.51	1000	Pass
11ac (VHT80)	CH155	11.20	13.19	1000	Pass
11ax (HE20) (SU)	CH149	11.08	12.81	1000	Pass
11ax (HE20) (SU)	CH157	11.11	12.92	1000	Pass
11ax (HE20) (SU)	CH165	11.24	13.30	1000	Pass
11ax (HE40) (SU)	CH151	11.23	13.27	1000	Pass
11ax (HE40) (SU)	CH159	11.27	13.38	1000	Pass
11ax (HE80) (SU)	CH155	11.25	13.34	1000	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note 1: Test plots please refer to the document “Annex No.: BL-SZ2420556-602 Data Part 1.pdf”.

Note 2: The 802.11ax mode of the EUT only support full RU size configuration.

Test Data

MIMO-Antenna 1

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	18.50	16.34
11a	CH44	18.91	16.32
11a	CH48	18.95	16.32
11n (HT20)	CH36	19.95	17.56
11n (HT20)	CH44	19.98	17.56
11n (HT20)	CH48	20.17	17.57
11n (HT40)	CH38	39.52	36.06
11n (HT40)	CH46	39.56	36.09
11ac (VHT20)	CH36	20.15	17.55
11ac (VHT20)	CH44	20.20	17.56
11ac (VHT20)	CH48	19.79	17.57
11ac (VHT40)	CH38	39.57	36.10
11ac (VHT40)	CH46	39.64	36.09
11ac (VHT80)	CH42	82.74	75.86
11ax (HE20) (SU)	CH36	20.91	18.94
11ax (HE20) (SU)	CH44	20.83	18.96
11ax (HE20) (SU)	CH48	20.92	18.96
11ax (HE40) (SU)	CH38	40.45	37.78
11ax (HE40) (SU)	CH46	40.38	37.76
11ax (HE80) (SU)	CH42	81.95	77.29

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	18.76	16.37
11a	CH157	18.74	16.38
11a	CH165	18.82	16.38
11n (HT20)	CH149	20.43	17.54
11n (HT20)	CH157	20.43	17.54
11n (HT20)	CH165	20.32	17.55
11n (HT40)	CH151	39.78	36.14
11n (HT40)	CH159	39.81	36.15
11ac (VHT20)	CH149	20.12	17.55
11ac (VHT20)	CH157	20.40	17.55
11ac (VHT20)	CH165	20.36	17.56
11ac (VHT40)	CH151	39.67	36.14
11ac (VHT40)	CH159	39.73	36.16
11ac (VHT80)	CH155	82.62	76.10
11ax (HE20) (SU)	CH149	20.86	18.92
11ax (HE20) (SU)	CH157	20.88	18.92
11ax (HE20) (SU)	CH165	20.90	18.93
11ax (HE40) (SU)	CH151	40.38	37.77
11ax (HE40) (SU)	CH159	40.48	37.76
11ax (HE80) (SU)	CH155	82.26	77.44

MIMO-Antenna 2

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	18.99	16.38
11a	CH44	18.93	16.38
11a	CH48	18.95	16.38
11n (HT20)	CH36	20.28	17.55
11n (HT20)	CH44	20.66	17.55
11n (HT20)	CH48	20.20	17.55
11n (HT40)	CH38	39.81	36.07
11n (HT40)	CH46	39.69	36.07
11ac (VHT20)	CH36	20.17	17.54
11ac (VHT20)	CH44	20.53	17.54
11ac (VHT20)	CH48	20.22	17.54
11ac (VHT40)	CH38	39.53	36.11
11ac (VHT40)	CH46	39.44	36.08
11ac (VHT80)	CH42	81.63	75.75
11ax (HE20) (SU)	CH36	21.11	18.90
11ax (HE20) (SU)	CH44	20.95	18.88
11ax (HE20) (SU)	CH48	20.99	18.89
11ax (HE40) (SU)	CH38	40.45	37.75
11ax (HE40) (SU)	CH46	40.32	37.73
11ax (HE80) (SU)	CH42	82.47	77.34

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	18.76	16.40
11a	CH157	18.75	16.39
11a	CH165	18.79	16.39
11n (HT20)	CH149	20.26	17.56
11n (HT20)	CH157	20.33	17.57
11n (HT20)	CH165	20.28	17.57
11n (HT40)	CH151	39.81	36.12
11n (HT40)	CH159	39.75	36.12
11ac (VHT20)	CH149	20.18	17.56
11ac (VHT20)	CH157	20.15	17.56
11ac (VHT20)	CH165	20.23	17.57
11ac (VHT40)	CH151	39.63	36.13
11ac (VHT40)	CH159	39.55	36.13
11ac (VHT80)	CH155	81.62	75.83
11ax (HE20) (SU)	CH149	21.11	18.90
11ax (HE20) (SU)	CH157	20.96	18.93
11ax (HE20) (SU)	CH165	21.01	18.92
11ax (HE40) (SU)	CH151	40.57	37.79
11ax (HE40) (SU)	CH159	40.52	37.77
11ax (HE80) (SU)	CH155	82.90	77.43

A.3 6 dB Bandwidth

Note 1: Test plots please refer to the document “Annex No.: BL-SZ2420556-602 Data Part 2.pdf”.

Note 2: The 802.11ax mode of the EUT only support full RU size configuration.

Test Data

MIMO-Antenna 1

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	16.50	500.00	Pass
11a	CH157	16.50	500.00	Pass
11a	CH165	16.40	500.00	Pass
11n (HT20)	CH149	16.90	500.00	Pass
11n (HT20)	CH157	17.40	500.00	Pass
11n (HT20)	CH165	17.80	500.00	Pass
11n (HT40)	CH151	36.10	500.00	Pass
11n (HT40)	CH159	36.10	500.00	Pass
11ac (VHT20)	CH149	17.80	500.00	Pass
11ac (VHT20)	CH157	17.50	500.00	Pass
11ac (VHT20)	CH165	17.10	500.00	Pass
11ac (VHT40)	CH151	36.20	500.00	Pass
11ac (VHT40)	CH159	36.20	500.00	Pass
11ac (VHT80)	CH155	75.80	500.00	Pass
11ax (HE20) (SU)	CH149	18.80	500.00	Pass
11ax (HE20) (SU)	CH157	19.00	500.00	Pass
11ax (HE20) (SU)	CH165	18.40	500.00	Pass
11ax (HE40) (SU)	CH151	38.10	500.00	Pass
11ax (HE40) (SU)	CH159	38.10	500.00	Pass
11ax (HE80) (SU)	CH155	77.90	500.00	Pass

MIMO-Antenna 2

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	16.50	500.00	Pass
11a	CH157	16.50	500.00	Pass
11a	CH165	16.50	500.00	Pass
11n (HT20)	CH149	17.80	500.00	Pass
11n (HT20)	CH157	17.80	500.00	Pass
11n (HT20)	CH165	17.40	500.00	Pass
11n (HT40)	CH151	36.30	500.00	Pass
11n (HT40)	CH159	36.50	500.00	Pass
11ac (VHT20)	CH149	17.70	500.00	Pass
11ac (VHT20)	CH157	17.80	500.00	Pass
11ac (VHT20)	CH165	17.70	500.00	Pass
11ac (VHT40)	CH151	36.50	500.00	Pass
11ac (VHT40)	CH159	36.50	500.00	Pass
11ac (VHT80)	CH155	75.30	500.00	Pass
11ax (HE20) (SU)	CH149	19.20	500.00	Pass
11ax (HE20) (SU)	CH157	18.90	500.00	Pass
11ax (HE20) (SU)	CH165	19.00	500.00	Pass
11ax (HE40) (SU)	CH151	38.10	500.00	Pass
11ax (HE40) (SU)	CH159	38.00	500.00	Pass
11ax (HE80) (SU)	CH155	77.60	500.00	Pass

A.4 Power Spectral Density

Note ¹: Test plots please refer to the document “Annex No.: BL-SZ2420556-602 Data Part 3.pdf”.

Note ²: The 802.11ax mode of the EUT only support full RU size configuration.

Note ³: All the configurations were pre tested, only the worst configuration has been reported in this report.

Note ⁴: All antenna were tested, but only the worst case has been reported in this report.

Test Data

MIMO-Antenna 1

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH36	-2.38	11.00	Pass
11a	CH44	-2.61	11.00	Pass
11a	CH48	-2.58	11.00	Pass
11n (HT20)	CH36	-2.93	11.00	Pass
11n (HT20)	CH44	-2.35	11.00	Pass
11n (HT20)	CH48	-2.66	11.00	Pass
11n (HT40)	CH38	-5.04	11.00	Pass
11n (HT40)	CH46	-5.62	11.00	Pass
11ac (VHT20)	CH36	-2.34	11.00	Pass
11ac (VHT20)	CH44	-2.51	11.00	Pass
11ac (VHT20)	CH48	-2.29	11.00	Pass
11ac (VHT40)	CH38	-5.25	11.00	Pass
11ac (VHT40)	CH46	-5.63	11.00	Pass
11ac (VHT80)	CH42	-8.58	11.00	Pass
11ax (HE20) (SU)	CH36	-2.61	11.00	Pass
11ax (HE20) (SU)	CH44	-2.72	11.00	Pass
11ax (HE20) (SU)	CH48	-2.95	11.00	Pass
11ax (HE40) (SU)	CH38	-5.42	11.00	Pass
11ax (HE40) (SU)	CH46	-5.92	11.00	Pass
11ax (HE80) (SU)	CH42	-8.56	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	-6.75	30.00	Pass
11a	CH157	-7.00	30.00	Pass
11a	CH165	-6.95	30.00	Pass
11n (HT20)	CH149	-6.70	30.00	Pass
11n (HT20)	CH157	-6.92	30.00	Pass
11n (HT20)	CH165	-7.24	30.00	Pass
11n (HT40)	CH151	-10.16	30.00	Pass
11n (HT40)	CH159	-9.93	30.00	Pass
11ac (VHT20)	CH149	-7.13	30.00	Pass
11ac (VHT20)	CH157	-7.36	30.00	Pass
11ac (VHT20)	CH165	-7.10	30.00	Pass
11ac (VHT40)	CH151	-10.29	30.00	Pass
11ac (VHT40)	CH159	-10.11	30.00	Pass
11ac (VHT80)	CH155	-13.55	30.00	Pass
11ax (HE20) (SU)	CH149	-6.94	30.00	Pass
11ax (HE20) (SU)	CH157	-7.06	30.00	Pass
11ax (HE20) (SU)	CH165	-6.85	30.00	Pass
11ax (HE40) (SU)	CH151	-9.58	30.00	Pass
11ax (HE40) (SU)	CH159	-9.77	30.00	Pass
11ax (HE80) (SU)	CH155	-13.00	30.00	Pass

MIMO-Antenna 2

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH36	-2.20	11.00	Pass
11a	CH44	-2.60	11.00	Pass
11a	CH48	-2.47	11.00	Pass
11n (HT20)	CH36	-2.68	11.00	Pass
11n (HT20)	CH44	-3.10	11.00	Pass
11n (HT20)	CH48	-2.98	11.00	Pass
11n (HT40)	CH38	-5.63	11.00	Pass
11n (HT40)	CH46	-5.77	11.00	Pass
11ac (VHT20)	CH36	-2.64	11.00	Pass
11ac (VHT20)	CH44	-3.02	11.00	Pass
11ac (VHT20)	CH48	-2.89	11.00	Pass
11ac (VHT40)	CH38	-5.62	11.00	Pass
11ac (VHT40)	CH46	-5.99	11.00	Pass
11ac (VHT80)	CH42	-8.85	11.00	Pass
11ax (HE20) (SU)	CH36	-2.78	11.00	Pass
11ax (HE20) (SU)	CH44	-3.14	11.00	Pass
11ax (HE20) (SU)	CH48	-3.12	11.00	Pass
11ax (HE40) (SU)	CH38	-6.04	11.00	Pass
11ax (HE40) (SU)	CH46	-6.36	11.00	Pass
11ax (HE80) (SU)	CH42	-9.44	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	-6.91	30.00	Pass
11a	CH157	-6.59	30.00	Pass
11a	CH165	-6.36	30.00	Pass
11n (HT20)	CH149	-6.67	30.00	Pass
11n (HT20)	CH157	-6.41	30.00	Pass
11n (HT20)	CH165	-6.74	30.00	Pass
11n (HT40)	CH151	-9.17	30.00	Pass
11n (HT40)	CH159	-9.65	30.00	Pass
11ac (VHT20)	CH149	-6.79	30.00	Pass
11ac (VHT20)	CH157	-6.91	30.00	Pass
11ac (VHT20)	CH165	-6.66	30.00	Pass
11ac (VHT40)	CH151	-9.72	30.00	Pass
11ac (VHT40)	CH159	-9.69	30.00	Pass
11ac (VHT80)	CH155	-12.86	30.00	Pass
11ax (HE20) (SU)	CH149	-6.84	30.00	Pass
11ax (HE20) (SU)	CH157	-6.99	30.00	Pass
11ax (HE20) (SU)	CH165	-6.95	30.00	Pass
11ax (HE40) (SU)	CH151	-10.15	30.00	Pass
11ax (HE40) (SU)	CH159	-10.04	30.00	Pass
11ax (HE80) (SU)	CH155	-12.98	30.00	Pass

MIMO

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH36	0.72	11.00	Pass
11a	CH44	0.40	11.00	Pass
11a	CH48	0.49	11.00	Pass
11n (HT20)	CH36	0.20	11.00	Pass
11n (HT20)	CH44	0.30	11.00	Pass
11n (HT20)	CH48	0.20	11.00	Pass
11n (HT40)	CH38	-2.32	11.00	Pass
11n (HT40)	CH46	-2.68	11.00	Pass
11ac (VHT20)	CH36	0.53	11.00	Pass
11ac (VHT20)	CH44	0.25	11.00	Pass
11ac (VHT20)	CH48	0.43	11.00	Pass
11ac (VHT40)	CH38	-2.42	11.00	Pass
11ac (VHT40)	CH46	-2.80	11.00	Pass
11ac (VHT80)	CH42	-5.70	11.00	Pass
11ax (HE20) (SU)	CH36	0.32	11.00	Pass
11ax (HE20) (SU)	CH44	0.08	11.00	Pass
11ax (HE20) (SU)	CH48	-0.02	11.00	Pass
11ax (HE40) (SU)	CH38	-2.71	11.00	Pass
11ax (HE40) (SU)	CH46	-3.12	11.00	Pass
11ax (HE80) (SU)	CH42	-5.97	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	-3.82	30.00	Pass
11a	CH157	-3.78	30.00	Pass
11a	CH165	-3.63	30.00	Pass
11n (HT20)	CH149	-3.67	30.00	Pass
11n (HT20)	CH157	-3.65	30.00	Pass
11n (HT20)	CH165	-3.97	30.00	Pass
11n (HT40)	CH151	-6.63	30.00	Pass
11n (HT40)	CH159	-6.77	30.00	Pass
11ac (VHT20)	CH149	-3.95	30.00	Pass
11ac (VHT20)	CH157	-4.12	30.00	Pass
11ac (VHT20)	CH165	-3.86	30.00	Pass
11ac (VHT40)	CH151	-6.98	30.00	Pass
11ac (VHT40)	CH159	-6.89	30.00	Pass
11ac (VHT80)	CH155	-10.18	30.00	Pass
11ax (HE20) (SU)	CH149	-3.87	30.00	Pass
11ax (HE20) (SU)	CH157	-4.01	30.00	Pass
11ax (HE20) (SU)	CH165	-3.89	30.00	Pass
11ax (HE40) (SU)	CH151	-6.84	30.00	Pass
11ax (HE40) (SU)	CH159	-6.90	30.00	Pass
11ax (HE80) (SU)	CH155	-9.98	30.00	Pass

A.5 Conducted Emissions

Note: Not applicable.

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

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

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

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

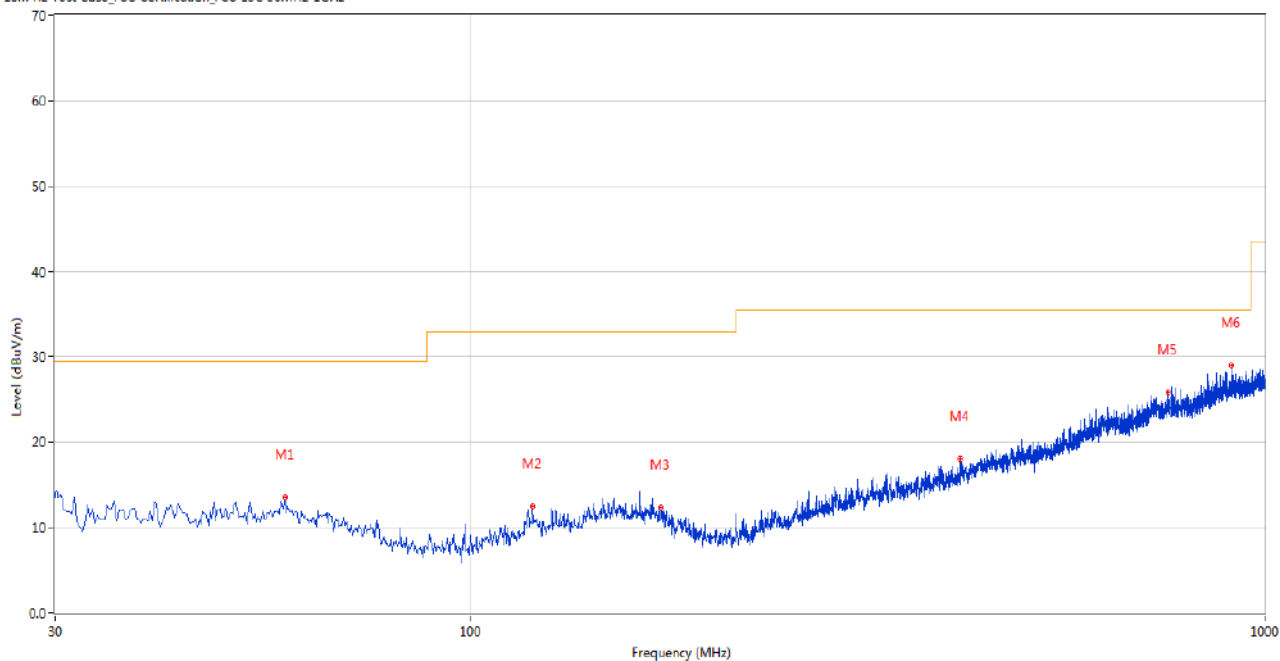
Note⁴: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.

Note⁵: For Multiple transmitter output, the quantity $10 \log (NANT)$ dB is added to each spectrum value before comparing to the emission limit. When testing out-of-band and spurious emissions against relative emission limits, tests may be performed on each output individually without summing or adding $10 \log (NANT)$ if the measurements are made relative to the in-band emissions on the individual outputs.

Test Data and Plots

30 MHz to 1 GHz, ANT H

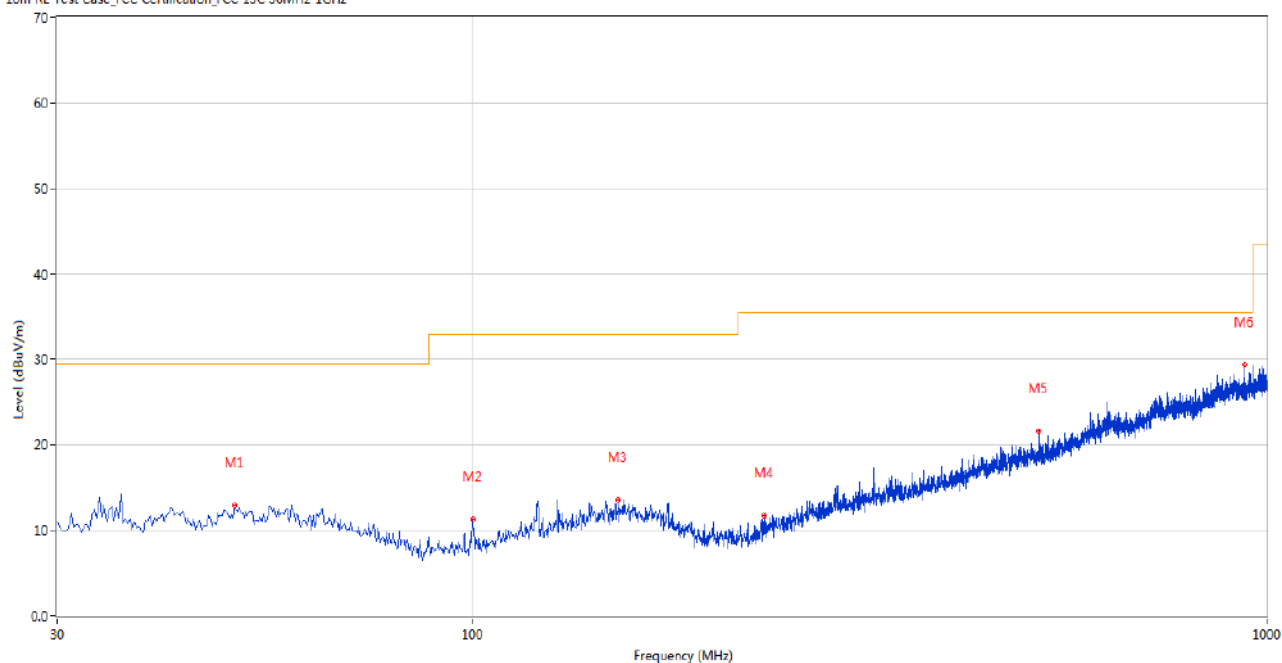
10m RE Test Case_FCC Certification_FCC 15C 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	58.365	13.62	-26.37	29.5	15.88	Peak	68.00	100	Vertical	Pass
2	119.703	12.53	-28.29	33.0	20.47	Peak	334.00	200	Vertical	Pass
3	173.524	12.46	-26.44	33.0	20.54	Peak	335.00	100	Vertical	Pass
4	414.024	18.10	-21.89	35.5	17.40	Peak	360.00	100	Vertical	Pass
5	754.894	25.84	-13.01	35.5	9.66	Peak	275.00	100	Vertical	Pass
6	907.873	29.03	-10.55	35.5	6.47	Peak	0.00	200	Vertical	Pass

30 MHz to 1 GHz, ANT V

10m RE Test Case_FCC Certification_FCC 15C 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	50.122	12.91	-26.06	29.5	16.59	Peak	335.00	200	Horizontal	Pass
2	100.065	11.33	-30.47	33.0	21.67	Peak	217.00	100	Horizontal	Pass
3	152.674	13.63	-25.62	33.0	19.37	Peak	319.00	100	Horizontal	Pass
4	233.164	11.77	-28.07	35.5	23.73	Peak	180.00	100	Horizontal	Pass
5	515.849	21.65	-19.22	35.5	13.85	Peak	41.00	100	Horizontal	Pass
6	937.208	29.35	-11.16	35.5	6.15	Peak	338.00	200	Horizontal	Pass

Note 1: The spurious above 18G is noise only, do not show on the report.

Note 2: All antenna were tested, but only the worst case has been reported in this report.

Note 3: All the configurations were pre tested, only the worst configuration has been reported in this report.

Note 4: The 802.11ax mode of the EUT only support full RU size configuration.

MIMO

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1597.600	41.12	-16.93	74.0	32.88	Peak	248.00	400	Horizontal	Pass
1**	1597.600	30.02	-16.93	54.0	23.98	AV	248.00	400	Horizontal	Pass
2	4255.250	47.68	-4.03	74.0	26.32	Peak	135.00	200	Horizontal	Pass
2**	4255.250	37.83	-4.03	54.0	16.17	AV	135.00	200	Horizontal	Pass
3	5184.000	101.93	-2.40	--	--	Peak	196.00	150	Horizontal	N/A
3**	5184.000	93.56	-2.40	--	--	AV	196.00	150	Horizontal	N/A
4	7713.750	53.31	1.83	74.0	20.69	Peak	257.00	200	Horizontal	Pass
4**	7713.750	44.49	1.83	54.0	9.51	AV	257.00	200	Horizontal	Pass
5	12497.537	52.70	1.42	74.0	21.30	Peak	170.00	100	Horizontal	Pass
5**	12497.537	42.47	1.42	54.0	11.53	AV	170.00	100	Horizontal	Pass
6	16050.413	54.23	1.10	74.0	19.77	Peak	206.00	100	Horizontal	Pass
6**	16050.413	45.22	1.10	54.0	8.78	AV	206.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1596.500	41.49	-17.12	74.0	32.51	Peak	229.00	100	Vertical	Pass
1**	1596.500	31.95	-17.12	54.0	22.05	AV	229.00	100	Vertical	Pass
2	4271.750	47.23	-5.07	74.0	26.77	Peak	67.00	200	Vertical	Pass
2**	4271.750	37.49	-5.07	54.0	16.51	AV	67.00	200	Vertical	Pass
3	5174.500	105.44	-2.68	--	--	Peak	269.00	200	Vertical	N/A
3**	5174.500	98.48	-2.68	--	--	AV	269.00	200	Vertical	N/A
4	7702.250	53.29	1.52	74.0	20.71	Peak	94.00	300	Vertical	Pass
4**	7702.250	43.86	1.52	54.0	10.14	AV	94.00	300	Vertical	Pass
5	12449.325	52.52	1.04	74.0	21.48	Peak	168.00	150	Vertical	Pass
5**	12449.325	43.20	1.04	54.0	10.80	AV	168.00	150	Vertical	Pass
6	16163.025	54.95	2.06	74.0	19.05	Peak	313.00	200	Vertical	Pass
6**	16163.025	44.75	2.06	54.0	9.25	AV	313.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1593.400	41.21	-17.00	74.0	32.79	Peak	236.00	100	Horizontal	Pass
1**	1593.400	29.82	-17.00	54.0	24.18	AV	236.00	100	Horizontal	Pass
2	4258.500	47.50	-4.26	74.0	26.50	Peak	299.00	400	Horizontal	Pass
2**	4258.500	38.75	-4.26	54.0	15.25	AV	299.00	400	Horizontal	Pass
3	5221.250	101.19	-3.07	--	--	Peak	216.00	150	Horizontal	N/A
3**	5221.250	93.31	-3.07	--	--	AV	216.00	150	Horizontal	N/A
4	7685.750	53.22	1.54	74.0	20.78	Peak	360.00	100	Horizontal	Pass
4**	7685.750	44.05	1.54	54.0	9.95	AV	360.00	100	Horizontal	Pass
5	12524.375	52.59	1.30	74.0	21.41	Peak	131.00	150	Horizontal	Pass
5**	12524.375	42.83	1.30	54.0	11.17	AV	131.00	150	Horizontal	Pass
6	15912.600	54.77	1.81	74.0	19.23	Peak	282.00	200	Horizontal	Pass
6**	15912.600	44.72	1.81	54.0	9.28	AV	282.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1593.000	41.19	-16.84	74.0	32.81	Peak	222.00	100	Vertical	Pass
1**	1593.000	32.12	-16.84	54.0	21.88	AV	222.00	100	Vertical	Pass
2	4305.000	47.07	-5.36	74.0	26.93	Peak	241.00	200	Vertical	Pass
2**	4305.000	37.41	-5.36	54.0	16.59	AV	241.00	200	Vertical	Pass
3	5215.250	104.61	-2.43	--	--	Peak	264.00	200	Vertical	N/A
3**	5215.250	97.66	-2.43	--	--	AV	264.00	200	Vertical	N/A
4	7699.500	52.68	1.09	74.0	21.32	Peak	48.00	200	Vertical	Pass
4**	7699.500	44.38	1.09	54.0	9.62	AV	48.00	200	Vertical	Pass
5	12530.076	52.96	1.27	74.0	21.04	Peak	213.00	200	Vertical	Pass
5**	12530.076	44.52	1.27	54.0	9.48	AV	213.00	200	Vertical	Pass
6	16137.825	54.63	2.05	74.0	19.37	Peak	326.00	400	Vertical	Pass
6**	16137.825	45.81	2.05	54.0	8.19	AV	326.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1481.500	43.26	-17.10	74.0	30.74	Peak	204.00	400	Horizontal	Pass
1**	1481.500	28.77	-17.10	54.0	25.23	AV	204.00	400	Horizontal	Pass
2	4117.000	47.38	-5.62	74.0	26.62	Peak	204.00	300	Horizontal	Pass
2**	4117.000	37.25	-5.62	54.0	16.75	AV	204.00	300	Horizontal	Pass
3	5237.000	100.85	-2.85	--	--	Peak	226.00	100	Horizontal	N/A
3**	5237.000	93.42	-2.85	--	--	AV	226.00	100	Horizontal	N/A
4	7490.250	53.41	1.43	74.0	20.59	Peak	296.00	300	Horizontal	Pass
4**	7490.250	44.13	1.43	54.0	9.87	AV	296.00	300	Horizontal	Pass
5	12502.525	52.18	1.42	74.0	21.82	Peak	154.00	200	Horizontal	Pass
5**	12502.525	42.74	1.42	54.0	11.26	AV	154.00	200	Horizontal	Pass
6	16091.099	54.98	1.63	74.0	19.02	Peak	30.00	400	Horizontal	Pass
6**	16091.099	46.55	1.63	54.0	7.45	AV	30.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.400	41.70	-17.03	74.0	32.30	Peak	38.00	400	Vertical	Pass
1**	1439.400	31.68	-17.03	54.0	22.32	AV	38.00	400	Vertical	Pass
2	4395.500	48.08	-4.97	74.0	25.92	Peak	312.00	400	Vertical	Pass
2**	4395.500	37.21	-4.97	54.0	16.79	AV	312.00	400	Vertical	Pass
3	5242.250	104.90	-3.05	--	--	Peak	241.00	150	Vertical	N/A
3**	5242.250	97.18	-3.05	--	--	AV	241.00	150	Vertical	N/A
4	7357.500	53.12	0.68	74.0	20.88	Peak	312.00	100	Vertical	Pass
4**	7357.500	43.34	0.68	54.0	10.66	AV	312.00	100	Vertical	Pass
5	12495.400	52.98	1.40	74.0	21.02	Peak	82.00	200	Vertical	Pass
5**	12495.400	44.33	1.40	54.0	9.67	AV	82.00	200	Vertical	Pass
6	15898.162	54.14	2.01	74.0	19.86	Peak	14.00	100	Vertical	Pass
6**	15898.162	44.86	2.01	54.0	9.14	AV	14.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1472.200	41.83	-17.07	74.0	32.17	Peak	212.00	100	Horizontal	Pass
1**	1472.200	29.49	-17.07	54.0	24.51	AV	212.00	100	Horizontal	Pass
2	4266.500	46.74	-4.83	74.0	27.26	Peak	142.00	300	Horizontal	Pass
2**	4266.500	38.34	-4.83	54.0	15.66	AV	142.00	300	Horizontal	Pass
3	5177.000	101.49	-2.81	--	--	Peak	296.00	150	Horizontal	N/A
3**	5177.000	93.51	-2.81	--	--	AV	296.00	150	Horizontal	N/A
4	7711.500	53.32	1.98	74.0	20.68	Peak	296.00	200	Horizontal	Pass
4**	7711.500	44.55	1.98	54.0	9.45	AV	296.00	200	Horizontal	Pass
5	12546.938	52.35	1.17	74.0	21.65	Peak	212.00	150	Horizontal	Pass
5**	12546.938	42.88	1.17	54.0	11.12	AV	212.00	150	Horizontal	Pass
6	16106.588	54.47	1.80	74.0	19.53	Peak	296.00	300	Horizontal	Pass
6**	16106.588	45.37	1.80	54.0	8.63	AV	296.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1484.100	40.62	-17.06	74.0	33.38	Peak	279.00	400	Vertical	Pass
1**	1484.100	28.64	-17.06	54.0	25.36	AV	279.00	400	Vertical	Pass
2	4314.500	47.25	-5.02	74.0	26.75	Peak	347.00	300	Vertical	Pass
2**	4314.500	38.23	-5.02	54.0	15.77	AV	347.00	300	Vertical	Pass
3	5174.250	106.20	-2.59	--	--	Peak	274.00	200	Vertical	N/A
3**	5174.250	97.71	-2.59	--	--	AV	274.00	200	Vertical	N/A
4	7710.500	52.97	1.96	74.0	21.03	Peak	323.00	200	Vertical	Pass
4**	7710.500	44.92	1.96	54.0	9.08	AV	323.00	200	Vertical	Pass
5	11758.675	53.15	-0.19	74.0	20.85	Peak	51.00	200	Vertical	Pass
5**	11758.675	43.46	-0.19	54.0	10.54	AV	51.00	200	Vertical	Pass
6	15653.250	54.86	2.11	74.0	19.14	Peak	74.00	400	Vertical	Pass
6**	15653.250	44.95	2.11	54.0	9.05	AV	74.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1464.800	42.20	-17.07	74.0	31.80	Peak	209.00	100	Horizontal	Pass
1**	1464.800	29.97	-17.07	54.0	24.03	AV	209.00	100	Horizontal	Pass
2	4323.250	46.99	-4.71	74.0	27.01	Peak	291.00	200	Horizontal	Pass
2**	4323.250	38.06	-4.71	54.0	15.94	AV	291.00	200	Horizontal	Pass
3	5220.750	100.77	-2.93	--	--	Peak	228.00	200	Horizontal	N/A
3**	5220.750	94.04	-2.93	--	--	AV	228.00	200	Horizontal	N/A
4	7684.250	53.35	0.80	74.0	20.65	Peak	79.00	200	Horizontal	Pass
4**	7684.250	44.25	0.80	54.0	9.75	AV	79.00	200	Horizontal	Pass
5	12001.162	52.45	0.45	74.0	21.55	Peak	70.00	100	Horizontal	Pass
5**	12001.162	43.31	0.45	54.0	10.69	AV	70.00	100	Horizontal	Pass
6	15881.099	55.30	1.88	74.0	18.70	Peak	77.00	200	Horizontal	Pass
6**	15881.099	44.50	1.88	54.0	9.50	AV	77.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1598.000	41.94	-17.04	74.0	32.06	Peak	218.00	200	Vertical	Pass
1**	1598.000	29.76	-17.04	54.0	24.24	AV	218.00	200	Vertical	Pass
2	4288.750	47.28	-4.72	74.0	26.72	Peak	47.00	100	Vertical	Pass
2**	4288.750	38.03	-4.72	54.0	15.97	AV	47.00	100	Vertical	Pass
3	5215.250	105.40	-2.43	--	--	Peak	271.00	200	Vertical	N/A
3**	5215.250	98.36	-2.43	--	--	AV	271.00	200	Vertical	N/A
4	7420.750	54.76	1.19	74.0	19.24	Peak	292.00	300	Vertical	Pass
4**	7420.750	43.97	1.19	54.0	10.03	AV	292.00	300	Vertical	Pass
5	12248.637	53.06	1.08	74.0	20.94	Peak	6.00	150	Vertical	Pass
5**	12248.637	43.51	1.08	54.0	10.49	AV	6.00	150	Vertical	Pass
6	16100.813	54.74	1.76	74.0	19.26	Peak	149.00	200	Vertical	Pass
6**	16100.813	45.10	1.76	54.0	8.90	AV	149.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1454.900	42.59	-17.17	74.0	31.41	Peak	217.00	300	Horizontal	Pass
1**	1454.900	29.38	-17.17	54.0	24.62	AV	217.00	300	Horizontal	Pass
2	4269.000	47.11	-5.07	74.0	26.89	Peak	0.00	300	Horizontal	Pass
2**	4269.000	37.56	-5.07	54.0	16.44	AV	0.00	300	Horizontal	Pass
3	5237.000	101.21	-2.85	--	--	Peak	214.00	200	Horizontal	N/A
3**	5237.000	94.04	-2.85	--	--	AV	214.00	200	Horizontal	N/A
4	7707.500	53.93	1.49	74.0	20.07	Peak	285.00	400	Horizontal	Pass
4**	7707.500	44.24	1.49	54.0	9.76	AV	285.00	400	Horizontal	Pass
5	11996.888	52.74	0.40	74.0	21.26	Peak	253.00	100	Horizontal	Pass
5**	11996.888	42.61	0.40	54.0	11.39	AV	253.00	100	Horizontal	Pass
6	15654.300	55.13	2.10	74.0	18.87	Peak	38.00	200	Horizontal	Pass
6**	15654.300	45.30	2.10	54.0	8.70	AV	38.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1597.100	46.97	-17.04	74.0	27.03	Peak	226.00	400	Vertical	Pass
1**	1597.100	30.17	-17.04	54.0	23.83	AV	226.00	400	Vertical	Pass
2	4278.250	47.14	-4.66	74.0	26.86	Peak	23.00	200	Vertical	Pass
2**	4278.250	38.44	-4.66	54.0	15.56	AV	23.00	200	Vertical	Pass
3	5242.000	104.32	-3.15	--	--	Peak	252.00	150	Vertical	N/A
3**	5242.000	97.27	-3.15	--	--	AV	252.00	150	Vertical	N/A
4	7697.500	53.64	0.99	74.0	20.36	Peak	298.00	400	Vertical	Pass
4**	7697.500	43.88	0.99	54.0	10.12	AV	298.00	400	Vertical	Pass
5	11777.912	53.15	-0.17	74.0	20.85	Peak	275.00	200	Vertical	Pass
5**	11777.912	43.43	-0.17	54.0	10.57	AV	275.00	200	Vertical	Pass
6	15933.600	54.60	1.44	74.0	19.40	Peak	35.00	300	Vertical	Pass
6**	15933.600	45.13	1.44	54.0	8.87	AV	35.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1463.600	44.15	-17.16	74.0	29.85	Peak	201.00	400	Horizontal	Pass
1**	1463.600	33.83	-17.16	54.0	20.17	AV	201.00	400	Horizontal	Pass
2	4352.250	47.36	-4.80	74.0	26.64	Peak	76.00	300	Horizontal	Pass
2**	4352.250	37.65	-4.80	54.0	16.35	AV	76.00	300	Horizontal	Pass
3	5186.250	98.09	-2.42	--	--	Peak	276.00	100	Horizontal	N/A
3**	5186.250	89.98	-2.42	--	--	AV	276.00	100	Horizontal	N/A
4	7360.000	53.01	0.78	74.0	20.99	Peak	235.00	400	Horizontal	Pass
4**	7360.000	43.01	0.78	54.0	10.99	AV	235.00	400	Horizontal	Pass
5	12514.400	52.74	1.36	74.0	21.26	Peak	32.00	150	Horizontal	Pass
5**	12514.400	43.90	1.36	54.0	10.10	AV	32.00	150	Horizontal	Pass
6	15900.526	55.43	2.02	74.0	18.57	Peak	163.00	300	Horizontal	Pass
6**	15900.526	46.55	2.02	54.0	7.45	AV	163.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1469.000	42.34	-17.14	74.0	31.66	Peak	283.00	200	Vertical	Pass
1**	1469.000	29.14	-17.14	54.0	24.86	AV	283.00	200	Vertical	Pass
2	4396.000	47.65	-5.19	74.0	26.35	Peak	264.00	300	Vertical	Pass
2**	4396.000	38.07	-5.19	54.0	15.93	AV	264.00	300	Vertical	Pass
3	5178.750	102.56	-2.72	--	--	Peak	264.00	100	Vertical	N/A
3**	5178.750	94.26	-2.72	--	--	AV	264.00	100	Vertical	N/A
4	7713.750	54.54	1.83	74.0	19.46	Peak	120.00	100	Vertical	Pass
4**	7713.750	44.13	1.83	54.0	9.87	AV	120.00	100	Vertical	Pass
5	12241.275	52.85	0.98	74.0	21.15	Peak	27.00	200	Vertical	Pass
5**	12241.275	43.44	0.98	54.0	10.56	AV	27.00	200	Vertical	Pass
6	16055.663	55.13	1.16	74.0	18.87	Peak	130.00	300	Vertical	Pass
6**	16055.663	45.18	1.16	54.0	8.82	AV	130.00	300	Vertical	Pass

11n40, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1471.200	44.33	-17.04	74.0	29.67	Peak	203.00	200	Horizontal	Pass
1**	1471.200	29.89	-17.04	54.0	24.11	AV	203.00	200	Horizontal	Pass
2	4362.000	47.42	-4.76	74.0	26.58	Peak	360.00	300	Horizontal	Pass
2**	4362.000	38.16	-4.76	54.0	15.84	AV	360.00	300	Horizontal	Pass
3	5239.000	98.30	-2.94	--	--	Peak	115.00	200	Horizontal	N/A
3**	5239.000	90.66	-2.94	--	--	AV	115.00	200	Horizontal	N/A
4	7704.750	53.36	2.00	74.0	20.64	Peak	160.00	100	Horizontal	Pass
4**	7704.750	45.32	2.00	54.0	8.68	AV	160.00	100	Horizontal	Pass
5	12509.412	52.42	1.38	74.0	21.58	Peak	275.00	150	Horizontal	Pass
5**	12509.412	43.55	1.38	54.0	10.45	AV	275.00	150	Horizontal	Pass
6	16068.787	55.27	1.34	74.0	18.73	Peak	47.00	300	Horizontal	Pass
6**	16068.787	45.47	1.34	54.0	8.53	AV	47.00	300	Horizontal	Pass

11n40, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1576.400	41.46	-16.87	74.0	32.54	Peak	239.00	100	Vertical	Pass
1**	1576.400	28.98	-16.87	54.0	25.02	AV	239.00	100	Vertical	Pass
2	4198.250	47.43	-5.57	74.0	26.57	Peak	57.00	200	Vertical	Pass
2**	4198.250	38.07	-5.57	54.0	15.93	AV	57.00	200	Vertical	Pass
3	5221.000	101.95	-2.98	--	--	Peak	283.00	100	Vertical	N/A
3**	5221.000	94.43	-2.98	--	--	AV	283.00	100	Vertical	N/A
4	7705.000	53.15	2.03	74.0	20.85	Peak	360.00	100	Vertical	Pass
4**	7705.000	45.29	2.03	54.0	8.71	AV	360.00	100	Vertical	Pass
5	11794.537	53.11	-0.15	74.0	20.89	Peak	276.00	200	Vertical	Pass
5**	11794.537	43.28	-0.15	54.0	10.72	AV	276.00	200	Vertical	Pass
6	16127.325	55.04	1.97	74.0	18.96	Peak	360.00	300	Vertical	Pass
6**	16127.325	46.54	1.97	54.0	7.46	AV	360.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1504.500	41.56	-17.01	74.0	32.44	Peak	202.00	300	Horizontal	Pass
1**	1504.500	28.70	-17.01	54.0	25.30	AV	202.00	300	Horizontal	Pass
2	4267.750	47.21	-5.20	74.0	26.79	Peak	333.00	200	Horizontal	Pass
2**	4267.750	37.86	-5.20	54.0	16.14	AV	333.00	200	Horizontal	Pass
3	5183.000	101.46	-2.50	--	--	Peak	292.00	150	Horizontal	N/A
3**	5183.000	94.94	-2.50	--	--	AV	292.00	150	Horizontal	N/A
4	7687.250	53.13	1.17	74.0	20.87	Peak	21.00	400	Horizontal	Pass
4**	7687.250	44.00	1.17	54.0	10.00	AV	21.00	400	Horizontal	Pass
5	12107.088	52.66	-0.17	74.0	21.34	Peak	270.00	200	Horizontal	Pass
5**	12107.088	43.65	-0.17	54.0	10.35	AV	270.00	200	Horizontal	Pass
6	16147.800	55.01	2.13	74.0	18.99	Peak	291.00	100	Horizontal	Pass
6**	16147.800	45.49	2.13	54.0	8.51	AV	291.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1593.100	42.28	-16.97	74.0	31.72	Peak	198.00	300	Vertical	Pass
1**	1593.100	29.79	-16.97	54.0	24.21	AV	198.00	300	Vertical	Pass
2	4279.000	47.12	-4.67	74.0	26.88	Peak	189.00	100	Vertical	Pass
2**	4279.000	38.82	-4.67	54.0	15.18	AV	189.00	100	Vertical	Pass
3	5178.500	104.26	-2.63	--	--	Peak	240.00	200	Vertical	N/A
3**	5178.500	96.10	-2.63	--	--	AV	240.00	200	Vertical	N/A
4	7713.000	53.26	1.75	74.0	20.74	Peak	0.00	300	Vertical	Pass
4**	7713.000	44.94	1.75	54.0	9.06	AV	0.00	300	Vertical	Pass
5	11750.600	52.77	-0.20	74.0	21.23	Peak	312.00	150	Vertical	Pass
5**	11750.600	42.75	-0.20	54.0	11.25	AV	312.00	150	Vertical	Pass
6	16092.151	54.54	1.65	74.0	19.46	Peak	79.00	400	Vertical	Pass
6**	16092.151	45.21	1.65	54.0	8.79	AV	79.00	400	Vertical	Pass

11ac20, U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1468.900	44.87	-17.15	74.0	29.13	Peak	209.00	100	Horizontal	Pass
1**	1468.900	29.18	-17.15	54.0	24.82	AV	209.00	100	Horizontal	Pass
2	4160.750	47.30	-5.79	74.0	26.70	Peak	190.00	100	Horizontal	Pass
2**	4160.750	37.72	-5.79	54.0	16.28	AV	190.00	100	Horizontal	Pass
3	5216.000	100.89	-2.61	--	--	Peak	213.00	100	Horizontal	N/A
3**	5216.000	93.96	-2.61	--	--	AV	213.00	100	Horizontal	N/A
4	7321.250	53.91	0.16	74.0	20.09	Peak	78.00	200	Horizontal	Pass
4**	7321.250	43.16	0.16	54.0	10.84	AV	78.00	200	Horizontal	Pass
5	12532.924	53.07	1.25	74.0	20.93	Peak	277.00	200	Horizontal	Pass
5**	12532.924	43.02	1.25	54.0	10.98	AV	277.00	200	Horizontal	Pass
6	16100.287	55.07	1.75	74.0	18.93	Peak	208.00	200	Horizontal	Pass
6**	16100.287	46.59	1.75	54.0	7.41	AV	208.00	200	Horizontal	Pass

11ac20, U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1596.300	43.54	-17.19	74.0	30.46	Peak	222.00	200	Vertical	Pass
1**	1596.300	31.15	-17.19	54.0	22.85	AV	222.00	200	Vertical	Pass
2	4315.250	47.82	-4.91	74.0	26.18	Peak	360.00	200	Vertical	Pass
2**	4315.250	38.84	-4.91	54.0	15.16	AV	360.00	200	Vertical	Pass
3	5214.500	105.43	-2.61	--	--	Peak	271.00	150	Vertical	N/A
3**	5214.500	96.81	-2.61	--	--	AV	271.00	150	Vertical	N/A
4	7421.750	53.36	1.31	74.0	20.64	Peak	360.00	200	Vertical	Pass
4**	7421.750	44.35	1.31	54.0	9.65	AV	360.00	200	Vertical	Pass
5	11695.263	52.45	-0.60	74.0	21.55	Peak	229.00	100	Vertical	Pass
5**	11695.263	42.67	-0.60	54.0	11.33	AV	229.00	100	Vertical	Pass
6	16083.225	55.43	1.53	74.0	18.57	Peak	42.00	200	Vertical	Pass
6**	16083.225	45.64	1.53	54.0	8.36	AV	42.00	200	Vertical	Pass

11ac20, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1508.300	42.09	-17.03	74.0	31.91	Peak	210.00	100	Horizontal	Pass
1**	1508.300	28.97	-17.03	54.0	25.03	AV	210.00	100	Horizontal	Pass
2	4355.750	46.95	-4.82	74.0	27.05	Peak	309.00	400	Horizontal	Pass
2**	4355.750	37.46	-4.82	54.0	16.54	AV	309.00	400	Horizontal	Pass
3	5236.000	102.33	-2.92	--	--	Peak	235.00	150	Horizontal	N/A
3**	5236.000	94.05	-2.92	--	--	AV	235.00	150	Horizontal	N/A
4	7410.750	53.33	0.86	74.0	20.67	Peak	360.00	100	Horizontal	Pass
4**	7410.750	44.11	0.86	54.0	9.89	AV	360.00	100	Horizontal	Pass
5	11757.963	52.66	-0.19	74.0	21.34	Peak	158.00	200	Horizontal	Pass
5**	11757.963	44.10	-0.19	54.0	9.90	AV	158.00	200	Horizontal	Pass
6	16128.638	54.29	1.98	74.0	19.71	Peak	53.00	200	Horizontal	Pass
6**	16128.638	46.18	1.98	54.0	7.82	AV	53.00	200	Horizontal	Pass

11ac20, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1594.500	43.91	-17.01	74.0	30.09	Peak	197.00	300	Vertical	Pass
1**	1594.500	29.37	-17.01	54.0	24.63	AV	197.00	300	Vertical	Pass
2	4291.000	47.58	-4.53	74.0	26.42	Peak	196.00	400	Vertical	Pass
2**	4291.000	38.50	-4.53	54.0	15.50	AV	196.00	400	Vertical	Pass
3	5235.750	104.75	-2.94	--	--	Peak	264.00	150	Vertical	N/A
3**	5235.750	97.75	-2.94	--	--	AV	264.00	150	Vertical	N/A
4	7414.500	53.61	0.73	74.0	20.39	Peak	357.00	300	Vertical	Pass
4**	7414.500	44.37	0.73	54.0	9.63	AV	357.00	300	Vertical	Pass
5	11788.838	53.07	-0.16	74.0	20.93	Peak	5.00	100	Vertical	Pass
5**	11788.838	44.02	-0.16	54.0	9.98	AV	5.00	100	Vertical	Pass
6	15379.987	55.69	2.73	74.0	18.31	Peak	306.00	100	Vertical	Pass
6**	15379.987	44.47	2.73	54.0	9.53	AV	306.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1464.200	41.60	-17.18	74.0	32.40	Peak	207.00	200	Horizontal	Pass
1**	1464.200	29.53	-17.18	54.0	24.47	AV	207.00	200	Horizontal	Pass
2	4358.000	46.79	-4.58	74.0	27.21	Peak	0.00	300	Horizontal	Pass
2**	4358.000	37.84	-4.58	54.0	16.16	AV	0.00	300	Horizontal	Pass
3	5183.750	99.29	-2.33	--	--	Peak	291.00	150	Horizontal	N/A
3**	5183.750	91.22	-2.33	--	--	AV	291.00	150	Horizontal	N/A
4	7636.500	52.69	0.29	74.0	21.31	Peak	42.00	300	Horizontal	Pass
4**	7636.500	44.59	0.29	54.0	9.41	AV	42.00	300	Horizontal	Pass
5	11773.162	53.21	-0.17	74.0	20.79	Peak	74.00	200	Horizontal	Pass
5**	11773.162	43.28	-0.17	54.0	10.72	AV	74.00	200	Horizontal	Pass
6	15911.026	55.47	1.84	74.0	18.53	Peak	67.00	300	Horizontal	Pass
6**	15911.026	45.47	1.84	54.0	8.53	AV	67.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1447.800	41.18	-16.73	74.0	32.82	Peak	249.00	200	Vertical	Pass
1**	1447.800	29.89	-16.73	54.0	24.11	AV	249.00	200	Vertical	Pass
2	4358.000	46.98	-4.58	74.0	27.02	Peak	276.00	400	Vertical	Pass
2**	4358.000	37.62	-4.58	54.0	16.38	AV	276.00	400	Vertical	Pass
3	5179.250	103.33	-2.59	--	--	Peak	256.00	200	Vertical	N/A
3**	5179.250	95.08	-2.59	--	--	AV	256.00	200	Vertical	N/A
4	7704.500	53.22	1.93	74.0	20.78	Peak	356.00	200	Vertical	Pass
4**	7704.500	44.27	1.93	54.0	9.73	AV	356.00	200	Vertical	Pass
5	11771.737	52.40	-0.17	74.0	21.60	Peak	166.00	100	Vertical	Pass
5**	11771.737	43.84	-0.17	54.0	10.16	AV	166.00	100	Vertical	Pass
6	16146.750	54.99	2.13	74.0	19.01	Peak	115.00	100	Vertical	Pass
6**	16146.750	45.45	2.13	54.0	8.55	AV	115.00	100	Vertical	Pass

11ac40, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1579.100	42.37	-16.80	74.0	31.63	Peak	242.00	200	Horizontal	Pass
1**	1579.100	28.87	-16.80	54.0	25.13	AV	242.00	200	Horizontal	Pass
2	4187.000	47.55	-5.43	74.0	26.45	Peak	17.00	400	Horizontal	Pass
2**	4187.000	37.65	-5.43	54.0	16.35	AV	17.00	400	Horizontal	Pass
3	5239.500	98.18	-2.88	--	--	Peak	135.00	150	Horizontal	N/A
3**	5239.500	90.11	-2.88	--	--	AV	135.00	150	Horizontal	N/A
4	7411.000	53.30	0.60	74.0	20.70	Peak	17.00	200	Horizontal	Pass
4**	7411.000	43.97	0.60	54.0	10.03	AV	17.00	200	Horizontal	Pass
5	11811.637	52.50	-0.28	74.0	21.50	Peak	200.00	100	Horizontal	Pass
5**	11811.637	42.87	-0.28	54.0	11.13	AV	200.00	100	Horizontal	Pass
6	15887.138	54.96	1.93	74.0	19.04	Peak	360.00	400	Horizontal	Pass
6**	15887.138	45.09	1.93	54.0	8.91	AV	360.00	400	Horizontal	Pass

11ac40, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1596.400	41.06	-17.16	74.0	32.94	Peak	230.00	200	Vertical	Pass
1**	1596.400	29.21	-17.16	54.0	24.79	AV	230.00	200	Vertical	Pass
2	4392.500	47.82	-5.23	74.0	26.18	Peak	260.00	200	Vertical	Pass
2**	4392.500	37.32	-5.23	54.0	16.68	AV	260.00	200	Vertical	Pass
3	5234.250	102.12	-2.83	--	--	Peak	238.00	150	Vertical	N/A
3**	5234.250	94.61	-2.83	--	--	AV	238.00	150	Vertical	N/A
4	7421.500	53.05	1.19	74.0	20.95	Peak	179.00	100	Vertical	Pass
4**	7421.500	44.14	1.19	54.0	9.86	AV	179.00	100	Vertical	Pass
5	12507.275	52.45	1.40	74.0	21.55	Peak	210.00	150	Vertical	Pass
5**	12507.275	42.83	1.40	54.0	11.17	AV	210.00	150	Vertical	Pass
6	16124.438	54.60	1.95	74.0	19.40	Peak	102.00	300	Vertical	Pass
6**	16124.438	45.63	1.95	54.0	8.37	AV	102.00	300	Vertical	Pass

11ac80, U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1577.700	41.43	-17.04	74.0	32.57	Peak	251.00	200	Horizontal	Pass
1**	1577.700	30.55	-17.04	54.0	23.45	AV	251.00	200	Horizontal	Pass
2	4255.750	47.83	-3.94	74.0	26.17	Peak	302.00	200	Horizontal	Pass
2**	4255.750	38.22	-3.94	54.0	15.78	AV	302.00	200	Horizontal	Pass
3	5213.250	96.87	-2.60	--	--	Peak	275.00	150	Horizontal	N/A
3**	5213.250	87.51	-2.60	--	--	AV	275.00	150	Horizontal	N/A
4	7709.250	53.78	1.90	74.0	20.22	Peak	224.00	400	Horizontal	Pass
4**	7709.250	44.85	1.90	54.0	9.15	AV	224.00	400	Horizontal	Pass
5	12514.638	52.75	1.35	74.0	21.25	Peak	283.00	200	Horizontal	Pass
5**	12514.638	43.15	1.35	54.0	10.85	AV	283.00	200	Horizontal	Pass
6	16122.863	55.00	1.93	74.0	19.00	Peak	299.00	200	Horizontal	Pass
6**	16122.863	45.94	1.93	54.0	8.06	AV	299.00	200	Horizontal	Pass

11ac80, U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1594.300	42.11	-16.97	74.0	31.89	Peak	230.00	200	Vertical	Pass
1**	1594.300	29.58	-16.97	54.0	24.42	AV	230.00	200	Vertical	Pass
2	4349.750	46.84	-4.66	74.0	27.16	Peak	150.00	400	Vertical	Pass
2**	4349.750	37.71	-4.66	54.0	16.29	AV	150.00	400	Vertical	Pass
3	5236.500	99.65	-2.99	--	--	Peak	247.00	150	Vertical	N/A
3**	5236.500	89.48	-2.99	--	--	AV	247.00	150	Vertical	N/A
4	7481.500	53.51	0.91	74.0	20.49	Peak	221.00	300	Vertical	Pass
4**	7481.500	44.29	0.91	54.0	9.71	AV	221.00	300	Vertical	Pass
5	12467.613	53.26	1.18	74.0	20.74	Peak	273.00	100	Vertical	Pass
5**	12467.613	43.29	1.18	54.0	10.71	AV	273.00	100	Vertical	Pass
6	16151.213	54.83	2.14	74.0	19.17	Peak	266.00	300	Vertical	Pass
6**	16151.213	45.46	2.14	54.0	8.54	AV	266.00	300	Vertical	Pass

11ax20 (SU), U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1583.000	41.34	-16.88	74.0	32.66	Peak	248.00	300	Horizontal	Pass
1**	1583.000	28.73	-16.88	54.0	25.27	AV	248.00	300	Horizontal	Pass
2	4273.500	47.63	-4.74	74.0	26.37	Peak	96.00	200	Horizontal	Pass
2**	4273.500	37.61	-4.74	54.0	16.39	AV	96.00	200	Horizontal	Pass
3	5178.750	101.79	-2.72	--	--	Peak	196.00	100	Horizontal	N/A
3**	5178.750	93.80	-2.72	--	--	AV	196.00	100	Horizontal	N/A
4	7685.750	53.10	1.54	74.0	20.90	Peak	357.00	400	Horizontal	Pass
4**	7685.750	44.50	1.54	54.0	9.50	AV	357.00	400	Horizontal	Pass
5	11762.950	52.42	-0.18	74.0	21.58	Peak	226.00	100	Horizontal	Pass
5**	11762.950	43.37	-0.18	54.0	10.63	AV	226.00	100	Horizontal	Pass
6	16084.799	54.83	1.55	74.0	19.17	Peak	360.00	300	Horizontal	Pass
6**	16084.799	45.30	1.55	54.0	8.70	AV	360.00	300	Horizontal	Pass

11ax20 (SU), U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1475.200	41.41	-17.07	74.0	32.59	Peak	269.00	400	Vertical	Pass
1**	1475.200	29.01	-17.07	54.0	24.99	AV	269.00	400	Vertical	Pass
2	4245.750	47.26	-4.50	74.0	26.74	Peak	19.00	400	Vertical	Pass
2**	4245.750	37.77	-4.50	54.0	16.23	AV	19.00	400	Vertical	Pass
3	5174.750	105.79	-2.76	--	--	Peak	259.00	200	Vertical	N/A
3**	5174.750	98.12	-2.76	--	--	AV	259.00	200	Vertical	N/A
4	7685.750	54.25	1.54	74.0	19.75	Peak	236.00	400	Vertical	Pass
4**	7685.750	43.91	1.54	54.0	10.09	AV	236.00	400	Vertical	Pass
5	11762.237	52.74	-0.18	74.0	21.26	Peak	51.00	150	Vertical	Pass
5**	11762.237	43.90	-0.18	54.0	10.10	AV	51.00	150	Vertical	Pass
6	16116.563	54.90	1.88	74.0	19.10	Peak	54.00	200	Vertical	Pass
6**	16116.563	45.80	1.88	54.0	8.20	AV	54.00	200	Vertical	Pass

11ax20 (SU), U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1530.700	42.22	-17.08	74.0	31.78	Peak	214.00	300	Horizontal	Pass
1**	1530.700	28.76	-17.08	54.0	25.24	AV	214.00	300	Horizontal	Pass
2	4246.500	46.84	-4.30	74.0	27.16	Peak	130.00	100	Horizontal	Pass
2**	4246.500	37.69	-4.30	54.0	16.31	AV	130.00	100	Horizontal	Pass
3	5217.000	100.89	-2.95	--	--	Peak	223.00	100	Horizontal	N/A
3**	5217.000	93.98	-2.95	--	--	AV	223.00	100	Horizontal	N/A
4	7711.000	53.94	1.81	74.0	20.06	Peak	84.00	200	Horizontal	Pass
4**	7711.000	44.43	1.81	54.0	9.57	AV	84.00	200	Horizontal	Pass
5	11781.713	53.18	-0.16	74.0	20.82	Peak	1.00	150	Horizontal	Pass
5**	11781.713	43.31	-0.16	54.0	10.69	AV	1.00	150	Horizontal	Pass
6	15811.276	54.48	1.18	74.0	19.52	Peak	191.00	200	Horizontal	Pass
6**	15811.276	43.40	1.18	54.0	10.60	AV	191.00	200	Horizontal	Pass

11ax20 (SU), U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1581.900	40.34	-16.74	74.0	33.66	Peak	244.00	300	Vertical	Pass
1**	1581.900	29.36	-16.74	54.0	24.64	AV	244.00	300	Vertical	Pass
2	4396.500	48.77	-5.08	74.0	25.23	Peak	297.00	200	Vertical	Pass
2**	4396.500	37.85	-5.08	54.0	16.15	AV	297.00	200	Vertical	Pass
3	5215.250	105.04	-2.43	--	--	Peak	273.00	100	Vertical	N/A
3**	5215.250	98.01	-2.43	--	--	AV	273.00	100	Vertical	N/A
4	7705.000	53.38	2.03	74.0	20.62	Peak	179.00	400	Vertical	Pass
4**	7705.000	44.59	2.03	54.0	9.41	AV	179.00	400	Vertical	Pass
5	11554.425	52.98	-1.18	74.0	21.02	Peak	308.00	100	Vertical	Pass
5**	11554.425	42.34	-1.18	54.0	11.66	AV	308.00	100	Vertical	Pass
6	16091.362	54.75	1.64	74.0	19.25	Peak	62.00	200	Vertical	Pass
6**	16091.362	45.66	1.64	54.0	8.34	AV	62.00	200	Vertical	Pass

11ax20 (SU), U-NII-1, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1453.800	42.71	-17.06	74.0	31.29	Peak	215.00	300	Horizontal	Pass
1**	1453.800	31.05	-17.06	54.0	22.95	AV	215.00	300	Horizontal	Pass
2	4334.500	47.59	-4.84	74.0	26.41	Peak	179.00	400	Horizontal	Pass
2**	4334.500	37.96	-4.84	54.0	16.04	AV	179.00	400	Horizontal	Pass
3	5236.750	101.14	-2.91	--	--	Peak	219.00	150	Horizontal	N/A
3**	5236.750	95.04	-2.91	--	--	AV	219.00	150	Horizontal	N/A
4	7708.750	53.01	1.82	74.0	20.99	Peak	321.00	100	Horizontal	Pass
4**	7708.750	44.55	1.82	54.0	9.45	AV	321.00	100	Horizontal	Pass
5	11719.963	52.97	-0.39	74.0	21.03	Peak	285.00	200	Horizontal	Pass
5**	11719.963	42.95	-0.39	54.0	11.05	AV	285.00	200	Horizontal	Pass
6	16135.987	55.00	2.04	74.0	19.00	Peak	299.00	300	Horizontal	Pass
6**	16135.987	45.70	2.04	54.0	8.30	AV	299.00	300	Horizontal	Pass

11ax20 (SU), U-NII-1, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1594.500	43.59	-17.01	74.0	30.41	Peak	232.00	200	Vertical	Pass
1**	1594.500	34.00	-17.01	54.0	20.00	AV	232.00	200	Vertical	Pass
2	4338.000	47.14	-4.96	74.0	26.86	Peak	248.00	400	Vertical	Pass
2**	4338.000	37.75	-4.96	54.0	16.25	AV	248.00	400	Vertical	Pass
3	5245.000	105.21	-3.06	--	--	Peak	272.00	150	Vertical	N/A
3**	5245.000	97.32	-3.06	--	--	AV	272.00	150	Vertical	N/A
4	7425.250	53.17	1.41	74.0	20.83	Peak	18.00	300	Vertical	Pass
4**	7425.250	44.78	1.41	54.0	9.22	AV	18.00	300	Vertical	Pass
5	11743.713	52.73	-0.24	74.0	21.27	Peak	243.00	100	Vertical	Pass
5**	11743.713	43.16	-0.24	54.0	10.84	AV	243.00	100	Vertical	Pass
6	16124.174	55.60	1.94	74.0	18.40	Peak	170.00	200	Vertical	Pass
6**	16124.174	45.76	1.94	54.0	8.24	AV	170.00	200	Vertical	Pass

11ax40 (SU), U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1469.800	42.29	-16.94	74.0	31.71	Peak	205.00	300	Horizontal	Pass
1**	1469.800	29.46	-16.94	54.0	24.54	AV	205.00	300	Horizontal	Pass
2	4252.750	47.11	-4.55	74.0	26.89	Peak	334.00	400	Horizontal	Pass
2**	4252.750	37.15	-4.55	54.0	16.85	AV	334.00	400	Horizontal	Pass
3	5199.500	99.50	-2.65	--	--	Peak	137.00	100	Horizontal	N/A
3**	5199.500	90.68	-2.65	--	--	AV	137.00	100	Horizontal	N/A
4	7686.250	55.24	1.35	74.0	18.76	Peak	96.00	400	Horizontal	Pass
4**	7686.250	44.35	1.35	54.0	9.65	AV	96.00	400	Horizontal	Pass
5	12472.838	52.23	1.22	74.0	21.77	Peak	298.00	100	Horizontal	Pass
5**	12472.838	42.67	1.22	54.0	11.33	AV	298.00	100	Horizontal	Pass
6	16133.100	55.11	2.02	74.0	18.89	Peak	264.00	200	Horizontal	Pass
6**	16133.100	45.40	2.02	54.0	8.60	AV	264.00	200	Horizontal	Pass

11ax40 (SU), U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1597.800	41.43	-16.95	74.0	32.57	Peak	213.00	200	Vertical	Pass
1**	1597.800	31.63	-16.95	54.0	22.37	AV	213.00	200	Vertical	Pass
2	4278.000	47.16	-4.86	74.0	26.84	Peak	360.00	200	Vertical	Pass
2**	4278.000	38.13	-4.86	54.0	15.87	AV	360.00	200	Vertical	Pass
3	5199.500	103.13	-2.65	--	--	Peak	254.00	150	Vertical	N/A
3**	5199.500	94.92	-2.65	--	--	AV	254.00	150	Vertical	N/A
4	7714.500	53.57	1.63	74.0	20.43	Peak	356.00	400	Vertical	Pass
4**	7714.500	44.01	1.63	54.0	9.99	AV	356.00	400	Vertical	Pass
5	12507.037	52.85	1.40	74.0	21.15	Peak	185.00	100	Vertical	Pass
5**	12507.037	43.00	1.40	54.0	11.00	AV	185.00	100	Vertical	Pass
6	15901.838	54.66	2.00	74.0	19.34	Peak	86.00	400	Vertical	Pass
6**	15901.838	45.18	2.00	54.0	8.82	AV	86.00	400	Vertical	Pass

11ax40 (SU), U-NII-1, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1511.200	43.28	-16.81	74.0	30.72	Peak	205.00	200	Horizontal	Pass
1**	1511.200	29.42	-16.81	54.0	24.58	AV	205.00	200	Horizontal	Pass
2	4031.500	47.04	-6.17	74.0	26.96	Peak	135.00	400	Horizontal	Pass
2**	4031.500	37.41	-6.17	54.0	16.59	AV	135.00	400	Horizontal	Pass
3	5222.000	98.91	-2.99	--	--	Peak	225.00	200	Horizontal	N/A
3**	5222.000	90.45	-2.99	--	--	AV	225.00	200	Horizontal	N/A
4	7704.500	53.29	1.93	74.0	20.71	Peak	201.00	400	Horizontal	Pass
4**	7704.500	44.62	1.93	54.0	9.38	AV	201.00	400	Horizontal	Pass
5	12011.138	52.88	0.32	74.0	21.12	Peak	146.00	100	Horizontal	Pass
5**	12011.138	42.62	0.32	54.0	11.38	AV	146.00	100	Horizontal	Pass
6	16132.838	55.27	2.01	74.0	18.73	Peak	152.00	400	Horizontal	Pass
6**	16132.838	45.12	2.01	54.0	8.88	AV	152.00	400	Horizontal	Pass

11ax40 (SU), U-NII-1, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1596.800	44.72	-17.10	74.0	29.28	Peak	210.00	100	Vertical	Pass
1**	1596.800	31.01	-17.10	54.0	22.99	AV	210.00	100	Vertical	Pass
2	4354.250	47.09	-4.77	74.0	26.91	Peak	360.00	300	Vertical	Pass
2**	4354.250	37.52	-4.77	54.0	16.48	AV	360.00	300	Vertical	Pass
3	5219.750	102.53	-2.97	--	--	Peak	274.00	200	Vertical	N/A
3**	5219.750	95.32	-2.97	--	--	AV	274.00	200	Vertical	N/A
4	7708.250	53.27	1.90	74.0	20.73	Peak	57.00	400	Vertical	Pass
4**	7708.250	44.07	1.90	54.0	9.93	AV	57.00	400	Vertical	Pass
5	11763.425	52.54	-0.18	74.0	21.46	Peak	25.00	100	Vertical	Pass
5**	11763.425	42.58	-0.18	54.0	11.42	AV	25.00	100	Vertical	Pass
6	15899.475	55.30	2.02	74.0	18.70	Peak	28.00	400	Vertical	Pass
6**	15899.475	45.54	2.02	54.0	8.46	AV	28.00	400	Vertical	Pass

11ax80 (SU), U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1576.900	42.25	-16.96	74.0	31.75	Peak	251.00	300	Horizontal	Pass
1**	1576.900	29.65	-16.96	54.0	24.35	AV	251.00	300	Horizontal	Pass
2	4368.250	47.24	-4.91	74.0	26.76	Peak	302.00	100	Horizontal	Pass
2**	4368.250	38.22	-4.91	54.0	15.78	AV	302.00	100	Horizontal	Pass
3	5231.750	97.34	-3.11	--	--	Peak	129.00	150	Horizontal	N/A
3**	5231.750	86.15	-3.11	--	--	AV	129.00	150	Horizontal	N/A
4	7696.750	54.13	1.10	74.0	19.87	Peak	2.00	100	Horizontal	Pass
4**	7696.750	43.63	1.10	54.0	10.37	AV	2.00	100	Horizontal	Pass
5	11688.612	53.22	-0.71	74.0	20.78	Peak	124.00	200	Horizontal	Pass
5**	11688.612	42.96	-0.71	54.0	11.04	AV	124.00	200	Horizontal	Pass
6	16121.813	55.22	1.93	74.0	18.78	Peak	286.00	400	Horizontal	Pass
6**	16121.813	46.09	1.93	54.0	7.91	AV	286.00	400	Horizontal	Pass

11ax80 (SU), U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1594.600	42.37	-17.01	74.0	31.63	Peak	200.00	300	Vertical	Pass
1**	1594.600	34.13	-17.01	54.0	19.87	AV	200.00	300	Vertical	Pass
2	4085.250	46.98	-5.71	74.0	27.02	Peak	250.00	400	Vertical	Pass
2**	4085.250	37.37	-5.71	54.0	16.63	AV	250.00	400	Vertical	Pass
3	5199.500	101.84	-2.65	--	--	Peak	274.00	100	Vertical	N/A
3**	5199.500	93.25	-2.65	--	--	AV	274.00	100	Vertical	N/A
4	7708.750	53.24	1.82	74.0	20.76	Peak	98.00	300	Vertical	Pass
4**	7708.750	44.50	1.82	54.0	9.50	AV	98.00	300	Vertical	Pass
5	12493.975	52.46	1.39	74.0	21.54	Peak	343.00	150	Vertical	Pass
5**	12493.975	43.95	1.39	54.0	10.05	AV	343.00	150	Vertical	Pass
6	16128.375	54.02	1.98	74.0	19.98	Peak	31.00	200	Vertical	Pass
6**	16128.375	44.73	1.98	54.0	9.27	AV	31.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1534.200	43.76	-17.10	74.0	30.24	Peak	223.00	300	Horizontal	Pass
1**	1534.200	29.22	-17.10	54.0	24.78	AV	223.00	300	Horizontal	Pass
2	4395.250	47.21	-4.93	74.0	26.79	Peak	360.00	200	Horizontal	Pass
2**	4395.250	37.46	-4.93	54.0	16.54	AV	360.00	200	Horizontal	Pass
3	5750.000	103.71	-1.98	--	--	Peak	360.00	100	Horizontal	N/A
3**	5750.000	95.30	-1.98	--	--	AV	360.00	100	Horizontal	N/A
4	7700.750	53.42	0.97	74.0	20.58	Peak	127.00	100	Horizontal	Pass
4**	7700.750	43.65	0.97	54.0	10.35	AV	127.00	100	Horizontal	Pass
5	12522.237	52.75	1.31	74.0	21.25	Peak	171.00	150	Horizontal	Pass
5**	12522.237	43.38	1.31	54.0	10.62	AV	171.00	150	Horizontal	Pass
6	16110.262	54.46	1.83	74.0	19.54	Peak	35.00	300	Horizontal	Pass
6**	16110.262	45.29	1.83	54.0	8.71	AV	35.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1594.800	41.96	-17.00	74.0	32.04	Peak	215.00	200	Vertical	Pass
1**	1594.800	28.55	-17.00	54.0	25.45	AV	215.00	200	Vertical	Pass
2	4394.250	47.28	-5.05	74.0	26.72	Peak	293.00	300	Vertical	Pass
2**	4394.250	37.18	-5.05	54.0	16.82	AV	293.00	300	Vertical	Pass
3	5740.500	109.05	-2.07	--	--	Peak	167.00	100	Vertical	N/A
3**	5740.500	101.44	-2.07	--	--	AV	167.00	100	Vertical	N/A
4	7421.500	52.84	1.19	74.0	21.16	Peak	360.00	100	Vertical	Pass
4**	7421.500	44.60	1.19	54.0	9.40	AV	360.00	100	Vertical	Pass
5	12220.137	52.47	0.69	74.0	21.53	Peak	4.00	200	Vertical	Pass
5**	12220.137	42.93	0.69	54.0	11.07	AV	4.00	200	Vertical	Pass
6	16106.063	54.91	1.80	74.0	19.09	Peak	205.00	100	Vertical	Pass
6**	16106.063	46.46	1.80	54.0	7.54	AV	205.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1451.200	43.23	-17.05	74.0	30.77	Peak	217.00	100	Horizontal	Pass
1**	1451.200	34.13	-17.05	54.0	19.87	AV	217.00	100	Horizontal	Pass
2	4257.250	47.17	-4.22	74.0	26.83	Peak	233.00	300	Horizontal	Pass
2**	4257.250	38.16	-4.22	54.0	15.84	AV	233.00	300	Horizontal	Pass
3	5786.000	105.53	-2.41	--	--	Peak	194.00	150	Horizontal	N/A
3**	5786.000	95.93	-2.41	--	--	AV	194.00	150	Horizontal	N/A
4	7704.250	53.49	1.69	74.0	20.51	Peak	360.00	200	Horizontal	Pass
4**	7704.250	44.92	1.69	54.0	9.08	AV	360.00	200	Horizontal	Pass
5	12519.388	53.20	1.33	74.0	20.80	Peak	360.00	150	Horizontal	Pass
5**	12519.388	44.32	1.33	54.0	9.68	AV	360.00	150	Horizontal	Pass
6	16116.037	54.87	1.88	74.0	19.13	Peak	116.00	200	Horizontal	Pass
6**	16116.037	46.03	1.88	54.0	7.97	AV	116.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1592.800	42.10	-16.59	74.0	31.90	Peak	232.00	200	Vertical	Pass
1**	1592.800	29.23	-16.59	54.0	24.77	AV	232.00	200	Vertical	Pass
2	4253.250	47.08	-4.31	74.0	26.92	Peak	360.00	100	Vertical	Pass
2**	4253.250	37.31	-4.31	54.0	16.69	AV	360.00	100	Vertical	Pass
3	5790.250	109.31	-2.31	--	--	Peak	176.00	100	Vertical	N/A
3**	5790.250	99.53	-2.31	--	--	AV	176.00	100	Vertical	N/A
4	7705.250	53.15	2.03	74.0	20.85	Peak	16.00	300	Vertical	Pass
4**	7705.250	45.73	2.03	54.0	8.27	AV	16.00	300	Vertical	Pass
5	11760.338	52.55	-0.19	74.0	21.45	Peak	360.00	200	Vertical	Pass
5**	11760.338	44.17	-0.19	54.0	9.83	AV	360.00	200	Vertical	Pass
6	15904.201	54.76	1.95	74.0	19.24	Peak	115.00	200	Vertical	Pass
6**	15904.201	45.00	1.95	54.0	9.00	AV	115.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1599.300	43.56	-17.15	74.0	30.44	Peak	223.00	200	Horizontal	Pass
1**	1599.300	30.16	-17.15	54.0	23.84	AV	223.00	200	Horizontal	Pass
2	4380.750	47.15	-5.40	74.0	26.85	Peak	202.00	400	Horizontal	Pass
2**	4380.750	36.87	-5.40	54.0	17.13	AV	202.00	400	Horizontal	Pass
3	5821.000	103.79	-2.44	--	--	Peak	140.00	150	Horizontal	N/A
3**	5821.000	94.28	-2.44	--	--	AV	140.00	150	Horizontal	N/A
4	7704.750	52.89	2.00	74.0	21.11	Peak	304.00	200	Horizontal	Pass
4**	7704.750	44.71	2.00	54.0	9.29	AV	304.00	200	Horizontal	Pass
5	12268.588	52.53	0.90	74.0	21.47	Peak	118.00	100	Horizontal	Pass
5**	12268.588	42.98	0.90	54.0	11.02	AV	118.00	100	Horizontal	Pass
6	15916.276	54.29	1.74	74.0	19.71	Peak	64.00	200	Horizontal	Pass
6**	15916.276	45.20	1.74	54.0	8.80	AV	64.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1582.800	42.30	-16.90	74.0	31.70	Peak	239.00	100	Vertical	Pass
1**	1582.800	28.99	-16.90	54.0	25.01	AV	239.00	100	Vertical	Pass
2	4391.250	47.81	-5.25	74.0	26.19	Peak	277.00	200	Vertical	Pass
2**	4391.250	37.09	-5.25	54.0	16.91	AV	277.00	200	Vertical	Pass
3	5826.000	105.84	-2.58	--	--	Peak	217.00	100	Vertical	N/A
3**	5826.000	97.53	-2.58	--	--	AV	217.00	100	Vertical	N/A
4	7715.250	52.92	1.51	74.0	21.08	Peak	137.00	100	Vertical	Pass
4**	7715.250	43.73	1.51	54.0	10.27	AV	137.00	100	Vertical	Pass
5	11762.237	52.36	-0.18	74.0	21.64	Peak	211.00	200	Vertical	Pass
5**	11762.237	42.92	-0.18	54.0	11.08	AV	211.00	200	Vertical	Pass
6	16141.237	55.15	2.08	74.0	18.85	Peak	127.00	200	Vertical	Pass
6**	16141.237	45.05	2.08	54.0	8.95	AV	127.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1580.000	43.53	-17.13	74.0	30.47	Peak	246.00	300	Horizontal	Pass
1**	1580.000	29.33	-17.13	54.0	24.67	AV	246.00	300	Horizontal	Pass
2	4241.750	47.58	-4.72	74.0	26.42	Peak	360.00	300	Horizontal	Pass
2**	4241.750	37.88	-4.72	54.0	16.12	AV	360.00	300	Horizontal	Pass
3	5745.500	104.22	-2.05	--	--	Peak	208.00	150	Horizontal	N/A
3**	5745.500	95.77	-2.05	--	--	AV	208.00	150	Horizontal	N/A
4	7705.250	53.39	2.03	74.0	20.61	Peak	230.00	400	Horizontal	Pass
4**	7705.250	45.40	2.03	54.0	8.60	AV	230.00	400	Horizontal	Pass
5	11791.450	52.59	-0.15	74.0	21.41	Peak	30.00	200	Horizontal	Pass
5**	11791.450	43.61	-0.15	54.0	10.39	AV	30.00	200	Horizontal	Pass
6	16135.463	54.09	2.04	74.0	19.91	Peak	301.00	100	Horizontal	Pass
6**	16135.463	45.49	2.04	54.0	8.51	AV	301.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1599.400	43.97	-17.10	74.0	30.03	Peak	216.00	100	Vertical	Pass
1**	1599.400	30.73	-17.10	54.0	23.27	AV	216.00	100	Vertical	Pass
2	4265.750	47.43	-4.92	74.0	26.57	Peak	278.00	200	Vertical	Pass
2**	4265.750	37.61	-4.92	54.0	16.39	AV	278.00	200	Vertical	Pass
3	5750.000	108.61	-1.98	--	--	Peak	183.00	100	Vertical	N/A
3**	5750.000	98.08	-1.98	--	--	AV	183.00	100	Vertical	N/A
4	7707.000	53.25	1.71	74.0	20.75	Peak	65.00	300	Vertical	Pass
4**	7707.000	44.55	1.71	54.0	9.45	AV	65.00	300	Vertical	Pass
5	11771.263	52.28	-0.17	74.0	21.72	Peak	264.00	150	Vertical	Pass
5**	11771.263	43.74	-0.17	54.0	10.26	AV	264.00	150	Vertical	Pass
6	16121.026	54.83	1.92	74.0	19.17	Peak	150.00	200	Vertical	Pass
6**	16121.026	45.46	1.92	54.0	8.54	AV	150.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1504.100	41.57	-17.07	74.0	32.43	Peak	213.00	400	Horizontal	Pass
1**	1504.100	28.21	-17.07	54.0	25.79	AV	213.00	400	Horizontal	Pass
2	4321.000	47.41	-4.84	74.0	26.59	Peak	121.00	100	Horizontal	Pass
2**	4321.000	38.28	-4.84	54.0	15.72	AV	121.00	100	Horizontal	Pass
3	5783.750	105.85	-2.79	--	--	Peak	142.00	150	Horizontal	N/A
3**	5783.750	96.37	-2.79	--	--	AV	142.00	150	Horizontal	N/A
4	7711.250	53.40	1.79	74.0	20.60	Peak	60.00	100	Horizontal	Pass
4**	7711.250	44.16	1.79	54.0	9.84	AV	60.00	100	Horizontal	Pass
5	12513.925	52.39	1.36	74.0	21.61	Peak	358.00	100	Horizontal	Pass
5**	12513.925	43.59	1.36	54.0	10.41	AV	358.00	100	Horizontal	Pass
6	16108.162	54.45	1.82	74.0	19.55	Peak	9.00	200	Horizontal	Pass
6**	16108.162	45.66	1.82	54.0	8.34	AV	9.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1598.500	41.44	-17.13	74.0	32.56	Peak	213.00	200	Vertical	Pass
1**	1598.500	29.37	-17.13	54.0	24.63	AV	213.00	200	Vertical	Pass
2	4383.250	46.72	-5.06	74.0	27.28	Peak	360.00	100	Vertical	Pass
2**	4383.250	38.58	-5.06	54.0	15.42	AV	360.00	100	Vertical	Pass
3	5791.000	109.35	-2.35	--	--	Peak	176.00	200	Vertical	N/A
3**	5791.000	99.09	-2.35	--	--	AV	176.00	200	Vertical	N/A
4	7705.500	53.72	1.77	74.0	20.28	Peak	0.00	300	Vertical	Pass
4**	7705.500	44.85	1.77	54.0	9.15	AV	0.00	300	Vertical	Pass
5	11773.875	52.71	-0.17	74.0	21.29	Peak	178.00	150	Vertical	Pass
5**	11773.875	44.60	-0.17	54.0	9.40	AV	178.00	150	Vertical	Pass
6	15956.437	54.39	1.17	74.0	19.61	Peak	138.00	400	Vertical	Pass
6**	15956.437	44.49	1.17	54.0	9.51	AV	138.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1598.400	41.75	-17.15	74.0	32.25	Peak	228.00	300	Horizontal	Pass
1**	1598.400	30.66	-17.15	54.0	23.34	AV	228.00	300	Horizontal	Pass
2	4324.250	47.05	-4.89	74.0	26.95	Peak	159.00	400	Horizontal	Pass
2**	4324.250	37.90	-4.89	54.0	16.10	AV	159.00	400	Horizontal	Pass
3	5822.750	104.54	-2.57	--	--	Peak	139.00	200	Horizontal	N/A
3**	5822.750	95.58	-2.57	--	--	AV	139.00	200	Horizontal	N/A
4	7720.000	53.61	1.00	74.0	20.39	Peak	16.00	400	Horizontal	Pass
4**	7720.000	44.00	1.00	54.0	10.00	AV	16.00	400	Horizontal	Pass
5	11798.575	52.69	-0.15	74.0	21.31	Peak	79.00	100	Horizontal	Pass
5**	11798.575	42.95	-0.15	54.0	11.05	AV	79.00	100	Horizontal	Pass
6	16110.525	54.62	1.84	74.0	19.38	Peak	208.00	200	Horizontal	Pass
6**	16110.525	45.38	1.84	54.0	8.62	AV	208.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1594.100	40.69	-16.90	74.0	33.31	Peak	211.00	300	Vertical	Pass
1**	1594.100	30.07	-16.90	54.0	23.93	AV	211.00	300	Vertical	Pass
2	4150.500	47.02	-5.35	74.0	26.98	Peak	249.00	400	Vertical	Pass
2**	4150.500	37.15	-5.35	54.0	16.85	AV	249.00	400	Vertical	Pass
3	5817.000	106.06	-2.27	--	--	Peak	271.00	200	Vertical	N/A
3**	5817.000	96.47	-2.27	--	--	AV	271.00	200	Vertical	N/A
4	7352.250	53.41	0.44	74.0	20.59	Peak	89.00	300	Vertical	Pass
4**	7352.250	43.90	0.44	54.0	10.10	AV	89.00	300	Vertical	Pass
5	12516.537	52.79	1.34	74.0	21.21	Peak	302.00	100	Vertical	Pass
5**	12516.537	43.48	1.34	54.0	10.52	AV	302.00	100	Vertical	Pass
6	16112.362	54.31	1.85	74.0	19.69	Peak	45.00	400	Vertical	Pass
6**	16112.362	45.66	1.85	54.0	8.34	AV	45.00	400	Vertical	Pass

11n40, 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	1483.200	44.51	-16.99	74.0	29.49	Peak	214.00	300	Horizontal	Pass
1**	1483.200	29.77	-16.99	54.0	24.23	AV	214.00	300	Horizontal	Pass
2	4291.500	46.66	-4.71	74.0	27.34	Peak	355.00	100	Horizontal	Pass
2**	4291.500	37.68	-4.71	54.0	16.32	AV	355.00	100	Horizontal	Pass
3	5767.000	103.05	-2.34	--	--	Peak	210.00	200	Horizontal	N/A
3**	5767.000	92.46	-2.34	--	--	AV	210.00	200	Horizontal	N/A
4	7425.250	53.22	1.41	74.0	20.78	Peak	360.00	200	Horizontal	Pass
4**	7425.250	43.94	1.41	54.0	10.06	AV	360.00	200	Horizontal	Pass
5	11749.650	52.29	-0.20	74.0	21.71	Peak	183.00	150	Horizontal	Pass
5**	11749.650	43.68	-0.20	54.0	10.32	AV	183.00	150	Horizontal	Pass
6	15660.599	54.00	2.03	74.0	20.00	Peak	319.00	200	Horizontal	Pass
6**	15660.599	44.31	2.03	54.0	9.69	AV	319.00	200	Horizontal	Pass

11n40, 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	1576.900	40.44	-16.96	74.0	33.56	Peak	244.00	100	Vertical	Pass
1**	1576.900	28.54	-16.96	54.0	25.46	AV	244.00	100	Vertical	Pass
2	4394.500	47.79	-4.73	74.0	26.21	Peak	360.00	200	Vertical	Pass
2**	4394.500	37.90	-4.73	54.0	16.10	AV	360.00	200	Vertical	Pass
3	5738.500	103.93	-1.91	--	--	Peak	273.00	100	Vertical	N/A
3**	5738.500	93.93	-1.91	--	--	AV	273.00	100	Vertical	N/A
4	7490.000	53.31	1.37	74.0	20.69	Peak	229.00	200	Vertical	Pass
4**	7490.000	42.72	1.37	54.0	11.28	AV	229.00	200	Vertical	Pass
5	11756.775	53.67	-0.19	74.0	20.33	Peak	113.00	200	Vertical	Pass
5**	11756.775	43.86	-0.19	54.0	10.14	AV	113.00	200	Vertical	Pass
6	16104.750	55.52	1.79	74.0	18.48	Peak	153.00	400	Vertical	Pass
6**	16104.750	45.17	1.79	54.0	8.83	AV	153.00	400	Vertical	Pass

11n40, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1598.000	41.56	-17.04	74.0	32.44	Peak	253.00	300	Horizontal	Pass
1**	1598.000	29.04	-17.04	54.0	24.96	AV	253.00	300	Horizontal	Pass
2	4353.500	47.40	-4.72	74.0	26.60	Peak	65.00	300	Horizontal	Pass
2**	4353.500	37.47	-4.72	54.0	16.53	AV	65.00	300	Horizontal	Pass
3	5792.000	102.28	-2.25	--	--	Peak	139.00	150	Horizontal	N/A
3**	5792.000	94.03	-2.25	--	--	AV	139.00	150	Horizontal	N/A
4	7708.750	53.07	1.82	74.0	20.93	Peak	41.00	300	Horizontal	Pass
4**	7708.750	43.80	1.82	54.0	10.20	AV	41.00	300	Horizontal	Pass
5	11756.537	52.40	-0.19	74.0	21.60	Peak	281.00	150	Horizontal	Pass
5**	11756.537	43.54	-0.19	54.0	10.46	AV	281.00	150	Horizontal	Pass
6	16062.488	55.47	1.26	74.0	18.53	Peak	200.00	300	Horizontal	Pass
6**	16062.488	44.98	1.26	54.0	9.02	AV	200.00	300	Horizontal	Pass

11n40, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1597.400	40.59	-16.90	74.0	33.41	Peak	232.00	200	Vertical	Pass
1**	1597.400	33.87	-16.90	54.0	20.13	AV	232.00	200	Vertical	Pass
2	4267.000	46.85	-4.70	74.0	27.15	Peak	55.00	300	Vertical	Pass
2**	4267.000	37.40	-4.70	54.0	16.60	AV	55.00	300	Vertical	Pass
3	5797.000	104.34	-2.38	--	--	Peak	275.00	150	Vertical	N/A
3**	5797.000	96.43	-2.38	--	--	AV	275.00	150	Vertical	N/A
4	7689.250	53.08	1.23	74.0	20.92	Peak	135.00	200	Vertical	Pass
4**	7689.250	44.07	1.23	54.0	9.93	AV	135.00	200	Vertical	Pass
5	11801.425	52.47	-0.16	74.0	21.53	Peak	315.00	150	Vertical	Pass
5**	11801.425	42.48	-0.16	54.0	11.52	AV	315.00	150	Vertical	Pass
6	16069.838	55.10	1.35	74.0	18.90	Peak	208.00	200	Vertical	Pass
6**	16069.838	45.20	1.35	54.0	8.80	AV	208.00	200	Vertical	Pass

11ac20, 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	1594.900	42.42	-17.02	74.0	31.58	Peak	218.00	200	Horizontal	Pass
1**	1594.900	29.17	-17.02	54.0	24.83	AV	218.00	200	Horizontal	Pass
2	4306.250	47.16	-5.20	74.0	26.84	Peak	96.00	200	Horizontal	Pass
2**	4306.250	38.19	-5.20	54.0	15.81	AV	96.00	200	Horizontal	Pass
3	5743.250	104.48	-2.09	--	--	Peak	139.00	200	Horizontal	N/A
3**	5743.250	96.83	-2.09	--	--	AV	139.00	200	Horizontal	N/A
4	7710.750	53.58	1.87	74.0	20.42	Peak	159.00	200	Horizontal	Pass
4**	7710.750	44.45	1.87	54.0	9.55	AV	159.00	200	Horizontal	Pass
5	11758.913	52.82	-0.19	74.0	21.18	Peak	49.00	150	Horizontal	Pass
5**	11758.913	43.30	-0.19	54.0	10.70	AV	49.00	150	Horizontal	Pass
6	16148.850	54.70	2.14	74.0	19.30	Peak	101.00	100	Horizontal	Pass
6**	16148.850	45.54	2.14	54.0	8.46	AV	101.00	100	Horizontal	Pass

11ac20, 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	1445.900	40.48	-17.09	74.0	33.52	Peak	310.00	400	Vertical	Pass
1**	1445.900	28.63	-17.09	54.0	25.37	AV	310.00	400	Vertical	Pass
2	4390.500	47.86	-5.19	74.0	26.14	Peak	264.00	100	Vertical	Pass
2**	4390.500	38.06	-5.19	54.0	15.94	AV	264.00	100	Vertical	Pass
3	5744.000	108.12	-2.18	--	--	Peak	264.00	200	Vertical	N/A
3**	5744.000	98.04	-2.18	--	--	AV	264.00	200	Vertical	N/A
4	7484.000	53.79	0.90	74.0	20.21	Peak	203.00	300	Vertical	Pass
4**	7484.000	43.92	0.90	54.0	10.08	AV	203.00	300	Vertical	Pass
5	11711.175	52.21	-0.45	74.0	21.79	Peak	122.00	200	Vertical	Pass
5**	11711.175	43.50	-0.45	54.0	10.50	AV	122.00	200	Vertical	Pass
6	16123.650	54.62	1.94	74.0	19.38	Peak	96.00	300	Vertical	Pass
6**	16123.650	45.83	1.94	54.0	8.17	AV	96.00	300	Vertical	Pass

11ac20, U-NII-3, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1599.000	42.97	-17.22	74.0	31.03	Peak	211.00	300	Horizontal	Pass
1**	1599.000	29.86	-17.22	54.0	24.14	AV	211.00	300	Horizontal	Pass
2	4285.500	47.14	-4.49	74.0	26.86	Peak	57.00	400	Horizontal	Pass
2**	4285.500	38.18	-4.49	54.0	15.82	AV	57.00	400	Horizontal	Pass
3	5785.250	104.33	-2.76	--	--	Peak	201.00	200	Horizontal	N/A
3**	5785.250	94.94	-2.76	--	--	AV	201.00	200	Horizontal	N/A
4	7711.250	53.66	1.79	74.0	20.34	Peak	301.00	300	Horizontal	Pass
4**	7711.250	44.13	1.79	54.0	9.87	AV	301.00	300	Horizontal	Pass
5	11791.688	52.67	-0.15	74.0	21.33	Peak	244.00	200	Horizontal	Pass
5**	11791.688	43.02	-0.15	54.0	10.98	AV	244.00	200	Horizontal	Pass
6	16096.349	54.95	1.70	74.0	19.05	Peak	184.00	200	Horizontal	Pass
6**	16096.349	45.44	1.70	54.0	8.56	AV	184.00	200	Horizontal	Pass

11ac20, U-NII-3, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1437.400	42.31	-17.12	74.0	31.69	Peak	276.00	400	Vertical	Pass
1**	1437.400	29.42	-17.12	54.0	24.58	AV	276.00	400	Vertical	Pass
2	4349.500	46.97	-4.48	74.0	27.03	Peak	14.00	200	Vertical	Pass
2**	4349.500	37.46	-4.48	54.0	16.54	AV	14.00	200	Vertical	Pass
3	5792.000	107.43	-2.25	--	--	Peak	174.00	200	Vertical	N/A
3**	5792.000	97.59	-2.25	--	--	AV	174.00	200	Vertical	N/A
4	7436.500	52.69	0.81	74.0	21.31	Peak	14.00	100	Vertical	Pass
4**	7436.500	43.71	0.81	54.0	10.29	AV	14.00	100	Vertical	Pass
5	11752.025	53.20	-0.19	74.0	20.80	Peak	19.00	200	Vertical	Pass
5**	11752.025	43.34	-0.19	54.0	10.66	AV	19.00	200	Vertical	Pass
6	16132.312	54.68	2.01	74.0	19.32	Peak	92.00	100	Vertical	Pass
6**	16132.312	45.24	2.01	54.0	8.76	AV	92.00	100	Vertical	Pass

11ac20, 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	1598.800	43.64	-17.15	74.0	30.36	Peak	211.00	200	Horizontal	Pass
1**	1598.800	30.02	-17.15	54.0	23.98	AV	211.00	200	Horizontal	Pass
2	4287.250	47.60	-4.70	74.0	26.40	Peak	299.00	200	Horizontal	Pass
2**	4287.250	38.28	-4.70	54.0	15.72	AV	299.00	200	Horizontal	Pass
3	5822.500	105.28	-2.53	--	--	Peak	137.00	200	Horizontal	N/A
3**	5822.500	94.72	-2.53	--	--	AV	137.00	200	Horizontal	N/A
4	7422.750	53.14	1.46	74.0	20.86	Peak	117.00	300	Horizontal	Pass
4**	7422.750	44.14	1.46	54.0	9.86	AV	117.00	300	Horizontal	Pass
5	11706.900	52.41	-0.47	74.0	21.59	Peak	210.00	100	Horizontal	Pass
5**	11706.900	42.56	-0.47	54.0	11.44	AV	210.00	100	Horizontal	Pass
6	15895.276	54.71	1.99	74.0	19.29	Peak	316.00	400	Horizontal	Pass
6**	15895.276	46.15	1.99	54.0	7.85	AV	316.00	400	Horizontal	Pass

11ac20, 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	1597.100	41.14	-17.04	74.0	32.86	Peak	249.00	100	Vertical	Pass
1**	1597.100	28.17	-17.04	54.0	25.83	AV	249.00	100	Vertical	Pass
2	4390.750	48.52	-5.36	74.0	25.48	Peak	295.00	400	Vertical	Pass
2**	4390.750	36.68	-5.36	54.0	17.32	AV	295.00	400	Vertical	Pass
3	5826.500	105.80	-2.70	--	--	Peak	276.00	150	Vertical	N/A
3**	5826.500	97.17	-2.70	--	--	AV	276.00	150	Vertical	N/A
4	7419.750	53.26	1.28	74.0	20.74	Peak	96.00	200	Vertical	Pass
4**	7419.750	44.38	1.28	54.0	9.62	AV	96.00	200	Vertical	Pass
5	11708.800	53.09	-0.46	74.0	20.91	Peak	344.00	150	Vertical	Pass
5**	11708.800	43.27	-0.46	54.0	10.73	AV	344.00	150	Vertical	Pass
6	16154.625	54.42	2.12	74.0	19.58	Peak	360.00	400	Vertical	Pass
6**	16154.625	44.91	2.12	54.0	9.09	AV	360.00	400	Vertical	Pass

11ac40, 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	1481.500	44.60	-17.10	74.0	29.40	Peak	211.00	300	Horizontal	Pass
1**	1481.500	28.31	-17.10	54.0	25.69	AV	211.00	300	Horizontal	Pass
2	4119.500	47.09	-5.62	74.0	26.91	Peak	89.00	300	Horizontal	Pass
2**	4119.500	37.71	-5.62	54.0	16.29	AV	89.00	300	Horizontal	Pass
3	5763.000	100.96	-2.45	--	--	Peak	183.00	200	Horizontal	N/A
3**	5763.000	93.17	-2.45	--	--	AV	183.00	200	Horizontal	N/A
4	7327.750	52.70	-0.04	74.0	21.30	Peak	298.00	400	Horizontal	Pass
4**	7327.750	43.29	-0.04	54.0	10.71	AV	298.00	400	Horizontal	Pass
5	11789.787	52.64	-0.16	74.0	21.36	Peak	319.00	150	Horizontal	Pass
5**	11789.787	43.63	-0.16	54.0	10.37	AV	319.00	150	Horizontal	Pass
6	16116.825	54.93	1.89	74.0	19.07	Peak	47.00	100	Horizontal	Pass
6**	16116.825	45.47	1.89	54.0	8.53	AV	47.00	100	Horizontal	Pass

11ac40, 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	1593.700	42.58	-16.94	74.0	31.42	Peak	230.00	100	Vertical	Pass
1**	1593.700	28.82	-16.94	54.0	25.18	AV	230.00	100	Vertical	Pass
2	4324.250	46.58	-4.89	74.0	27.42	Peak	331.00	300	Vertical	Pass
2**	4324.250	37.79	-4.89	54.0	16.21	AV	331.00	300	Vertical	Pass
3	5759.750	106.45	-2.31	--	--	Peak	180.00	200	Vertical	N/A
3**	5759.750	94.53	-2.31	--	--	AV	180.00	200	Vertical	N/A
4	7706.750	53.02	1.65	74.0	20.98	Peak	360.00	400	Vertical	Pass
4**	7706.750	44.70	1.65	54.0	9.30	AV	360.00	400	Vertical	Pass
5	12505.138	53.15	1.41	74.0	20.85	Peak	274.00	100	Vertical	Pass
5**	12505.138	42.85	1.41	54.0	11.15	AV	274.00	100	Vertical	Pass
6	16118.138	54.38	1.90	74.0	19.62	Peak	193.00	100	Vertical	Pass
6**	16118.138	45.07	1.90	54.0	8.93	AV	193.00	100	Vertical	Pass

11ac40, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1487.100	41.98	-16.99	74.0	32.02	Peak	197.00	200	Horizontal	Pass
1**	1487.100	28.51	-16.99	54.0	25.49	AV	197.00	200	Horizontal	Pass
2	4260.000	47.06	-4.35	74.0	26.94	Peak	246.00	400	Horizontal	Pass
2**	4260.000	37.52	-4.35	54.0	16.48	AV	246.00	400	Horizontal	Pass
3	5793.250	101.62	-2.18	--	--	Peak	152.00	100	Horizontal	N/A
3**	5793.250	93.42	-2.18	--	--	AV	152.00	100	Horizontal	N/A
4	7702.000	53.29	1.48	74.0	20.71	Peak	270.00	200	Horizontal	Pass
4**	7702.000	44.18	1.48	54.0	9.82	AV	270.00	200	Horizontal	Pass
5	12441.250	53.26	1.05	74.0	20.74	Peak	290.00	200	Horizontal	Pass
5**	12441.250	42.71	1.05	54.0	11.29	AV	290.00	200	Horizontal	Pass
6	16096.874	55.47	1.71	74.0	18.53	Peak	343.00	300	Horizontal	Pass
6**	16096.874	44.97	1.71	54.0	9.03	AV	343.00	300	Horizontal	Pass

11ac40, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1599.900	41.07	-16.70	74.0	32.93	Peak	218.00	100	Vertical	Pass
1**	1599.900	29.71	-16.70	54.0	24.29	AV	218.00	100	Vertical	Pass
2	4395.250	47.95	-4.93	74.0	26.05	Peak	293.00	400	Vertical	Pass
2**	4395.250	37.53	-4.93	54.0	16.47	AV	293.00	400	Vertical	Pass
3	5793.750	106.01	-2.16	--	--	Peak	224.00	100	Vertical	N/A
3**	5793.750	96.11	-2.16	--	--	AV	224.00	100	Vertical	N/A
4	7702.000	53.43	1.48	74.0	20.57	Peak	108.00	300	Vertical	Pass
4**	7702.000	44.37	1.48	54.0	9.63	AV	108.00	300	Vertical	Pass
5	11803.563	52.57	-0.19	74.0	21.43	Peak	115.00	200	Vertical	Pass
5**	11803.563	43.00	-0.19	54.0	11.00	AV	115.00	200	Vertical	Pass
6	16144.125	54.31	2.10	74.0	19.69	Peak	254.00	200	Vertical	Pass
6**	16144.125	45.80	2.10	54.0	8.20	AV	254.00	200	Vertical	Pass

11ac80, U-NII-3, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1484.700	42.48	-16.94	74.0	31.52	Peak	217.00	400	Horizontal	Pass
1**	1484.700	29.70	-16.94	54.0	24.30	AV	217.00	400	Horizontal	Pass
2	4398.000	47.15	-5.18	74.0	26.85	Peak	174.00	100	Horizontal	Pass
2**	4398.000	37.11	-5.18	54.0	16.89	AV	174.00	100	Horizontal	Pass
3	5799.000	99.83	-2.09	--	--	Peak	106.00	150	Horizontal	N/A
3**	5799.000	91.34	-2.09	--	--	AV	106.00	150	Horizontal	N/A
4	7708.250	53.83	1.90	74.0	20.17	Peak	128.00	400	Horizontal	Pass
4**	7708.250	45.06	1.90	54.0	8.94	AV	128.00	400	Horizontal	Pass
5	12432.700	52.10	1.06	74.0	21.90	Peak	213.00	150	Horizontal	Pass
5**	12432.700	43.04	1.06	54.0	10.96	AV	213.00	150	Horizontal	Pass
6	15704.438	54.59	1.57	74.0	19.41	Peak	212.00	200	Horizontal	Pass
6**	15704.438	43.93	1.57	54.0	10.07	AV	212.00	200	Horizontal	Pass

11ac80, U-NII-3, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.400	41.27	-17.01	74.0	32.73	Peak	269.00	200	Vertical	Pass
1**	1440.400	33.25	-17.01	54.0	20.75	AV	269.00	200	Vertical	Pass
2	4205.250	46.81	-5.19	74.0	27.19	Peak	314.00	200	Vertical	Pass
2**	4205.250	37.48	-5.19	54.0	16.52	AV	314.00	200	Vertical	Pass
3	5758.750	101.23	-2.20	--	--	Peak	176.00	100	Vertical	N/A
3**	5758.750	91.56	-2.20	--	--	AV	176.00	100	Vertical	N/A
4	7710.500	53.34	1.96	74.0	20.66	Peak	290.00	400	Vertical	Pass
4**	7710.500	44.99	1.96	54.0	9.01	AV	290.00	400	Vertical	Pass
5	11505.738	52.29	-0.67	74.0	21.71	Peak	118.00	150	Vertical	Pass
5**	11505.738	43.27	-0.67	54.0	10.73	AV	118.00	150	Vertical	Pass
6	16170.112	54.42	2.02	74.0	19.58	Peak	253.00	100	Vertical	Pass
6**	16170.112	44.58	2.02	54.0	9.42	AV	253.00	100	Vertical	Pass

11ax20 (SU), 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	1479.000	44.43	-17.07	74.0	29.57	Peak	210.00	200	Horizontal	Pass
1**	1479.000	34.52	-17.07	54.0	19.48	AV	210.00	200	Horizontal	Pass
2	4255.500	47.30	-3.95	74.0	26.70	Peak	360.00	200	Horizontal	Pass
2**	4255.500	39.66	-3.95	54.0	14.34	AV	360.00	200	Horizontal	Pass
3	5743.000	105.37	-2.06	--	--	Peak	140.00	200	Horizontal	N/A
3**	5743.000	96.58	-2.06	--	--	AV	140.00	200	Horizontal	N/A
4	7708.500	53.15	1.84	74.0	20.85	Peak	21.00	200	Horizontal	Pass
4**	7708.500	44.75	1.84	54.0	9.25	AV	21.00	200	Horizontal	Pass
5	11755.588	52.59	-0.19	74.0	21.41	Peak	188.00	100	Horizontal	Pass
5**	11755.588	42.75	-0.19	54.0	11.25	AV	188.00	100	Horizontal	Pass
6	16107.638	54.80	1.81	74.0	19.20	Peak	200.00	100	Horizontal	Pass
6**	16107.638	45.75	1.81	54.0	8.25	AV	200.00	100	Horizontal	Pass

11ax20 (SU), 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	1593.200	42.78	-17.02	74.0	31.22	Peak	228.00	100	Vertical	Pass
1**	1593.200	33.97	-17.02	54.0	20.03	AV	228.00	100	Vertical	Pass
2	4384.500	50.26	-5.65	74.0	23.74	Peak	278.00	200	Vertical	Pass
2**	4384.500	36.68	-5.65	54.0	17.32	AV	278.00	200	Vertical	Pass
3	5738.750	107.83	-1.99	--	--	Peak	178.00	200	Vertical	N/A
3**	5738.750	97.79	-1.99	--	--	AV	178.00	200	Vertical	N/A
4	7703.000	53.14	1.14	74.0	20.86	Peak	96.00	200	Vertical	Pass
4**	7703.000	44.02	1.14	54.0	9.98	AV	96.00	200	Vertical	Pass
5	11716.163	52.99	-0.41	74.0	21.01	Peak	203.00	100	Vertical	Pass
5**	11716.163	43.41	-0.41	54.0	10.59	AV	203.00	100	Vertical	Pass
6	16121.550	54.88	1.92	74.0	19.12	Peak	242.00	300	Vertical	Pass
6**	16121.550	45.97	1.92	54.0	8.03	AV	242.00	300	Vertical	Pass

11ax20 (SU), 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	1577.200	42.30	-17.08	74.0	31.70	Peak	242.00	400	Horizontal	Pass
1**	1577.200	28.79	-17.08	54.0	25.21	AV	242.00	400	Horizontal	Pass
2	4373.750	46.72	-5.04	74.0	27.28	Peak	116.00	100	Horizontal	Pass
2**	4373.750	37.96	-5.04	54.0	16.04	AV	116.00	100	Horizontal	Pass
3	5794.000	103.61	-2.12	--	--	Peak	137.00	100	Horizontal	N/A
3**	5794.000	96.82	-2.12	--	--	AV	137.00	100	Horizontal	N/A
4	7421.500	53.20	1.19	74.0	20.80	Peak	16.00	300	Horizontal	Pass
4**	7421.500	44.95	1.19	54.0	9.05	AV	16.00	300	Horizontal	Pass
5	12509.175	52.69	1.39	74.0	21.31	Peak	63.00	100	Horizontal	Pass
5**	12509.175	42.97	1.39	54.0	11.03	AV	63.00	100	Horizontal	Pass
6	16129.162	55.89	1.98	74.0	18.11	Peak	48.00	100	Horizontal	Pass
6**	16129.162	45.06	1.98	54.0	8.94	AV	48.00	100	Horizontal	Pass

11ax20 (SU), 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	1593.300	41.20	-17.01	74.0	32.80	Peak	240.00	400	Vertical	Pass
1**	1593.300	30.15	-17.01	54.0	23.85	AV	240.00	400	Vertical	Pass
2	4386.750	47.58	-5.05	74.0	26.42	Peak	259.00	200	Vertical	Pass
2**	4386.750	39.62	-5.05	54.0	14.38	AV	259.00	200	Vertical	Pass
3	5786.250	108.05	-2.30	--	--	Peak	259.00	100	Vertical	N/A
3**	5786.250	98.94	-2.30	--	--	AV	259.00	100	Vertical	N/A
4	7704.750	53.86	2.00	74.0	20.14	Peak	319.00	200	Vertical	Pass
4**	7704.750	44.62	2.00	54.0	9.38	AV	319.00	200	Vertical	Pass
5	11807.838	52.94	-0.24	74.0	21.06	Peak	47.00	150	Vertical	Pass
5**	11807.838	43.42	-0.24	54.0	10.58	AV	47.00	150	Vertical	Pass
6	16127.849	54.53	1.97	74.0	19.47	Peak	191.00	300	Vertical	Pass
6**	16127.849	45.15	1.97	54.0	8.85	AV	191.00	300	Vertical	Pass

11ax20 (SU), 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	1502.200	42.27	-17.08	74.0	31.73	Peak	206.00	100	Horizontal	Pass
1**	1502.200	31.36	-17.08	54.0	22.64	AV	206.00	100	Horizontal	Pass
2	4394.500	47.08	-4.73	74.0	26.92	Peak	241.00	200	Horizontal	Pass
2**	4394.500	38.04	-4.73	54.0	15.96	AV	241.00	200	Horizontal	Pass
3	5827.750	104.00	-2.57	--	--	Peak	219.00	200	Horizontal	N/A
3**	5827.750	94.70	-2.57	--	--	AV	219.00	200	Horizontal	N/A
4	7414.500	53.26	0.73	74.0	20.74	Peak	265.00	100	Horizontal	Pass
4**	7414.500	43.21	0.73	54.0	10.79	AV	265.00	100	Horizontal	Pass
5	11755.588	52.60	-0.19	74.0	21.40	Peak	86.00	100	Horizontal	Pass
5**	11755.588	43.69	-0.19	54.0	10.31	AV	86.00	100	Horizontal	Pass
6	15680.026	54.47	1.82	74.0	19.53	Peak	98.00	100	Horizontal	Pass
6**	15680.026	44.95	1.82	54.0	9.05	AV	98.00	100	Horizontal	Pass

11ax20 (SU), 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	1593.400	40.01	-17.00	74.0	33.99	Peak	229.00	200	Vertical	Pass
1**	1593.400	28.80	-17.00	54.0	25.20	AV	229.00	200	Vertical	Pass
2	4096.250	47.49	-5.70	74.0	26.51	Peak	215.00	100	Vertical	Pass
2**	4096.250	37.79	-5.70	54.0	16.21	AV	215.00	100	Vertical	Pass
3	5824.000	105.76	-2.72	--	--	Peak	215.00	200	Vertical	N/A
3**	5824.000	96.25	-2.72	--	--	AV	215.00	200	Vertical	N/A
4	7706.000	53.93	1.53	74.0	20.07	Peak	295.00	100	Vertical	Pass
4**	7706.000	43.86	1.53	54.0	10.14	AV	295.00	100	Vertical	Pass
5	11735.400	52.40	-0.29	74.0	21.60	Peak	15.00	200	Vertical	Pass
5**	11735.400	43.66	-0.29	54.0	10.34	AV	15.00	200	Vertical	Pass
6	16138.875	54.58	2.06	74.0	19.42	Peak	273.00	200	Vertical	Pass
6**	16138.875	44.91	2.06	54.0	9.09	AV	273.00	200	Vertical	Pass

11ax40 (SU), 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	1597.300	45.33	-16.95	74.0	28.67	Peak	211.00	200	Horizontal	Pass
1**	1597.300	37.67	-16.95	54.0	16.33	AV	211.00	200	Horizontal	Pass
2	4380.250	47.45	-4.90	74.0	26.55	Peak	360.00	200	Horizontal	Pass
2**	4380.250	37.74	-4.90	54.0	16.26	AV	360.00	200	Horizontal	Pass
3	5744.750	101.37	-1.97	--	--	Peak	196.00	100	Horizontal	N/A
3**	5744.750	92.68	-1.97	--	--	AV	196.00	100	Horizontal	N/A
4	7714.000	53.23	1.69	74.0	20.77	Peak	278.00	100	Horizontal	Pass
4**	7714.000	44.21	1.69	54.0	9.79	AV	278.00	100	Horizontal	Pass
5	12483.049	52.69	1.30	74.0	21.31	Peak	242.00	200	Horizontal	Pass
5**	12483.049	43.14	1.30	54.0	10.86	AV	242.00	200	Horizontal	Pass
6	15926.776	55.13	1.56	74.0	18.87	Peak	185.00	300	Horizontal	Pass
6**	15926.776	44.34	1.56	54.0	9.66	AV	185.00	300	Horizontal	Pass

11ax40 (SU), 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	1593.300	41.23	-17.01	74.0	32.77	Peak	234.00	400	Vertical	Pass
1**	1593.300	30.74	-17.01	54.0	23.26	AV	234.00	400	Vertical	Pass
2	4399.750	47.33	-4.73	74.0	26.67	Peak	273.00	100	Vertical	Pass
2**	4399.750	39.66	-4.73	54.0	14.34	AV	273.00	100	Vertical	Pass
3	5761.000	103.85	-2.29	--	--	Peak	186.00	150	Vertical	N/A
3**	5761.000	94.85	-2.29	--	--	AV	186.00	150	Vertical	N/A
4	7418.000	53.25	0.97	74.0	20.75	Peak	212.00	100	Vertical	Pass
4**	7418.000	44.11	0.97	54.0	9.89	AV	212.00	100	Vertical	Pass
5	12221.325	52.78	0.70	74.0	21.22	Peak	313.00	150	Vertical	Pass
5**	12221.325	43.99	0.70	54.0	10.01	AV	313.00	150	Vertical	Pass
6	16124.963	54.49	1.95	74.0	19.51	Peak	91.00	400	Vertical	Pass
6**	16124.963	44.97	1.95	54.0	9.03	AV	91.00	400	Vertical	Pass

11ax40 (SU), 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	1469.300	41.59	-17.19	74.0	32.41	Peak	194.00	400	Horizontal	Pass
1**	1469.300	29.10	-17.19	54.0	24.90	AV	194.00	400	Horizontal	Pass
2	4300.000	46.36	-5.40	74.0	27.64	Peak	159.00	300	Horizontal	Pass
2**	4300.000	37.33	-5.40	54.0	16.67	AV	159.00	300	Horizontal	Pass
3	5796.000	102.01	-2.03	--	--	Peak	209.00	100	Horizontal	N/A
3**	5796.000	92.94	-2.03	--	--	AV	209.00	100	Horizontal	N/A
4	7709.000	53.30	1.89	74.0	20.70	Peak	326.00	100	Horizontal	Pass
4**	7709.000	44.36	1.89	54.0	9.64	AV	326.00	100	Horizontal	Pass
5	11759.150	52.42	-0.19	74.0	21.58	Peak	19.00	100	Horizontal	Pass
5**	11759.150	43.16	-0.19	54.0	10.84	AV	19.00	100	Horizontal	Pass
6	16065.637	54.14	1.30	74.0	19.86	Peak	180.00	300	Horizontal	Pass
6**	16065.637	45.15	1.30	54.0	8.85	AV	180.00	300	Horizontal	Pass

11ax40 (SU), 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	1595.000	42.12	-17.06	74.0	31.88	Peak	239.00	200	Vertical	Pass
1**	1595.000	29.95	-17.06	54.0	24.05	AV	239.00	200	Vertical	Pass
2	4381.750	47.82	-5.27	74.0	26.18	Peak	285.00	200	Vertical	Pass
2**	4381.750	37.20	-5.27	54.0	16.80	AV	285.00	200	Vertical	Pass
3	5805.750	104.38	-2.25	--	--	Peak	232.00	100	Vertical	N/A
3**	5805.750	95.10	-2.25	--	--	AV	232.00	100	Vertical	N/A
4	7710.750	53.95	1.87	74.0	20.05	Peak	42.00	300	Vertical	Pass
4**	7710.750	44.65	1.87	54.0	9.35	AV	42.00	300	Vertical	Pass
5	12002.113	52.13	0.44	74.0	21.87	Peak	360.00	150	Vertical	Pass
5**	12002.113	43.04	0.44	54.0	10.96	AV	360.00	150	Vertical	Pass
6	15941.474	54.66	1.31	74.0	19.34	Peak	321.00	100	Vertical	Pass
6**	15941.474	44.39	1.31	54.0	9.61	AV	321.00	100	Vertical	Pass

11ax80 (SU), U-NII-3, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1476.400	44.11	-17.06	74.0	29.89	Peak	201.00	300	Horizontal	Pass
1**	1476.400	31.33	-17.06	54.0	22.67	AV	201.00	300	Horizontal	Pass
2	4292.250	46.94	-4.60	74.0	27.06	Peak	217.00	300	Horizontal	Pass
2**	4292.250	37.75	-4.60	54.0	16.25	AV	217.00	300	Horizontal	Pass
3	5783.750	99.57	-2.79	--	--	Peak	140.00	100	Horizontal	N/A
3**	5783.750	89.42	-2.79	--	--	AV	140.00	100	Horizontal	N/A
4	7705.000	53.04	2.03	74.0	20.96	Peak	91.00	300	Horizontal	Pass
4**	7705.000	44.88	2.03	54.0	9.12	AV	91.00	300	Horizontal	Pass
5	11799.050	52.61	-0.15	74.0	21.39	Peak	215.00	150	Horizontal	Pass
5**	11799.050	43.53	-0.15	54.0	10.47	AV	215.00	150	Horizontal	Pass
6	16128.900	54.30	1.98	74.0	19.70	Peak	94.00	100	Horizontal	Pass
6**	16128.900	44.78	1.98	54.0	9.22	AV	94.00	100	Horizontal	Pass

11ax80 (SU), 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	1596.300	43.27	-17.19	74.0	30.73	Peak	242.00	300	Vertical	Pass
1**	1596.300	30.34	-17.19	54.0	23.66	AV	242.00	300	Vertical	Pass
2	4395.500	46.60	-4.97	74.0	27.40	Peak	169.00	300	Vertical	Pass
2**	4395.500	37.84	-4.97	54.0	16.16	AV	169.00	300	Vertical	Pass
3	5776.000	101.87	-2.74	--	--	Peak	265.00	150	Vertical	N/A
3**	5776.000	90.58	-2.74	--	--	AV	265.00	150	Vertical	N/A
4	7424.750	52.86	1.18	74.0	21.14	Peak	145.00	100	Vertical	Pass
4**	7424.750	43.54	1.18	54.0	10.46	AV	145.00	100	Vertical	Pass
5	12398.737	52.88	1.10	74.0	21.12	Peak	356.00	200	Vertical	Pass
5**	12398.737	42.56	1.10	54.0	11.44	AV	356.00	200	Vertical	Pass
6	15911.026	54.20	1.84	74.0	19.80	Peak	35.00	400	Vertical	Pass
6**	15911.026	45.05	1.84	54.0	8.95	AV	35.00	400	Vertical	Pass

A.6.2 Band Edge (Restricted-band)

Test Band	Mode	Channel	Verdict
U-NII-1	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass
	802.11ac(VHT80)	Middle	Pass
	802.11ax(HE20) (SU)	Low	Pass
		High	Pass
U-NII-3	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass
	802.11ac(VHT80)	Middle	Pass
	802.11ax(HE20) (SU)	Low	Pass
		High	Pass
	802.11ax(HE40) (SU)	Low	Pass
		High	Pass
	802.11ax(HE80) (SU)	Middle	Pass

Test Data and Plots

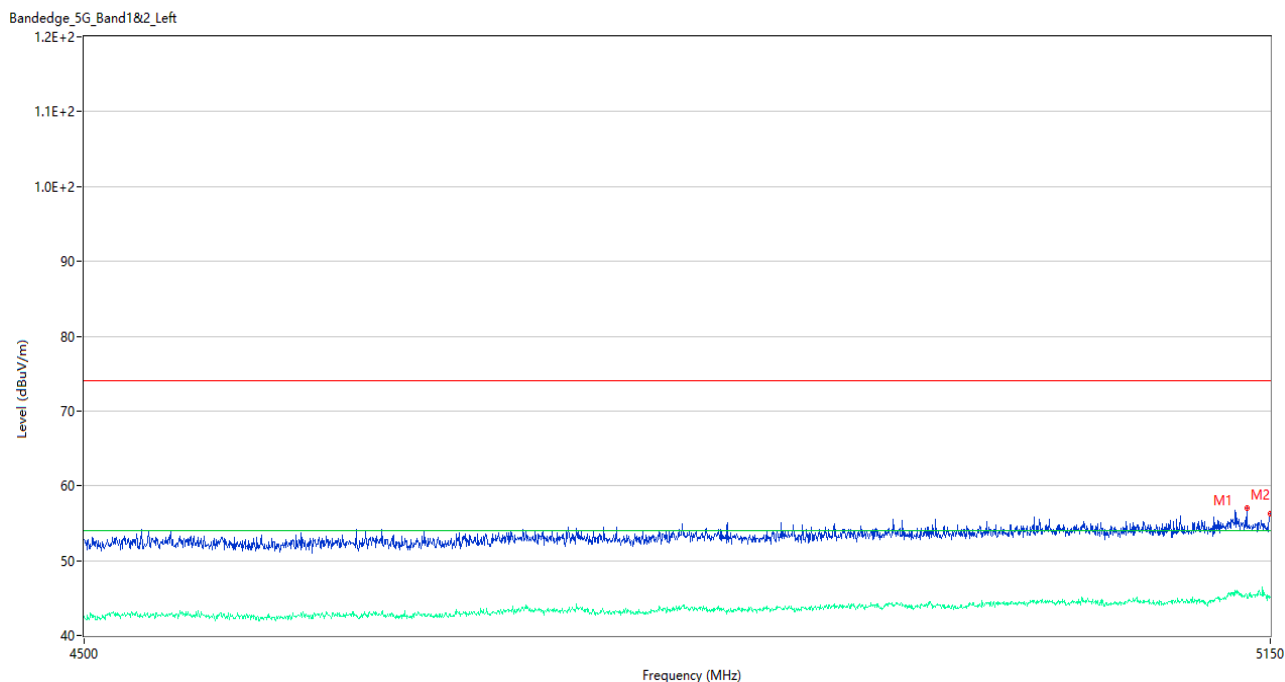
Note 1: All antenna were tested, but only the worst case has been reported in this report.

Note 2: All the configurations were pre tested, only the worst configuration has been reported in this report.

Note 3: The 802.11ax mode of the EUT only support full RU size configuration.

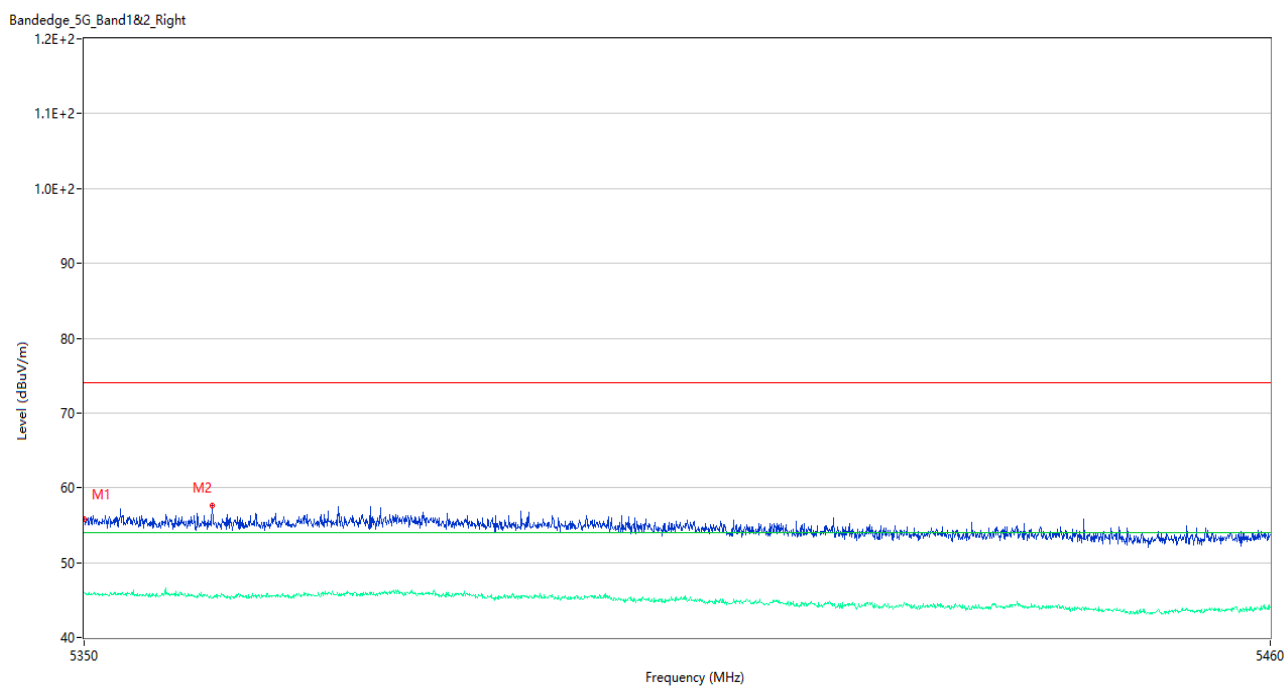
MIMO

U-NII-1 11a Low Channel



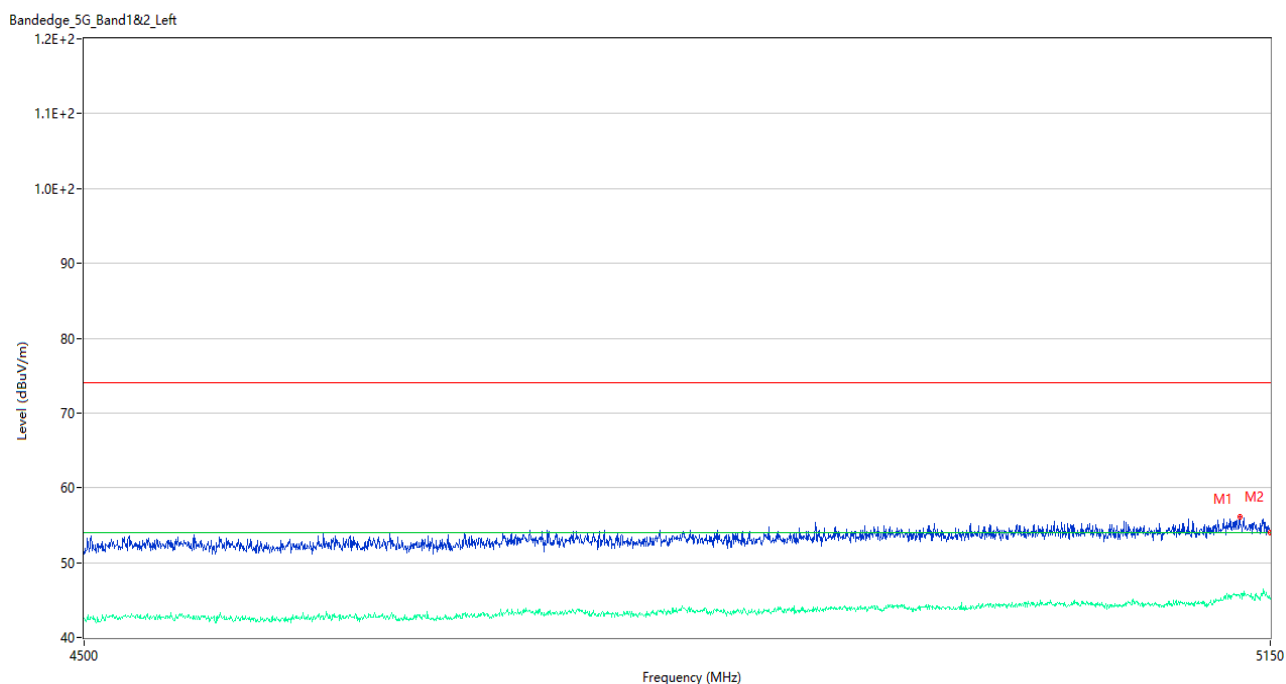
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5136.350	56.95	3.19	74.0	17.05	Peak	190.00	200	Vertical	Pass
1**	5136.350	45.42	3.19	54.0	8.58	AV	190.00	200	Vertical	Pass
2	5150.000	56.30	2.86	74.0	17.70	Peak	89.00	150	Vertical	Pass
2**	5150.000	45.16	2.86	54.0	8.84	AV	89.00	150	Vertical	Pass

U-NII-1 11a High Channel



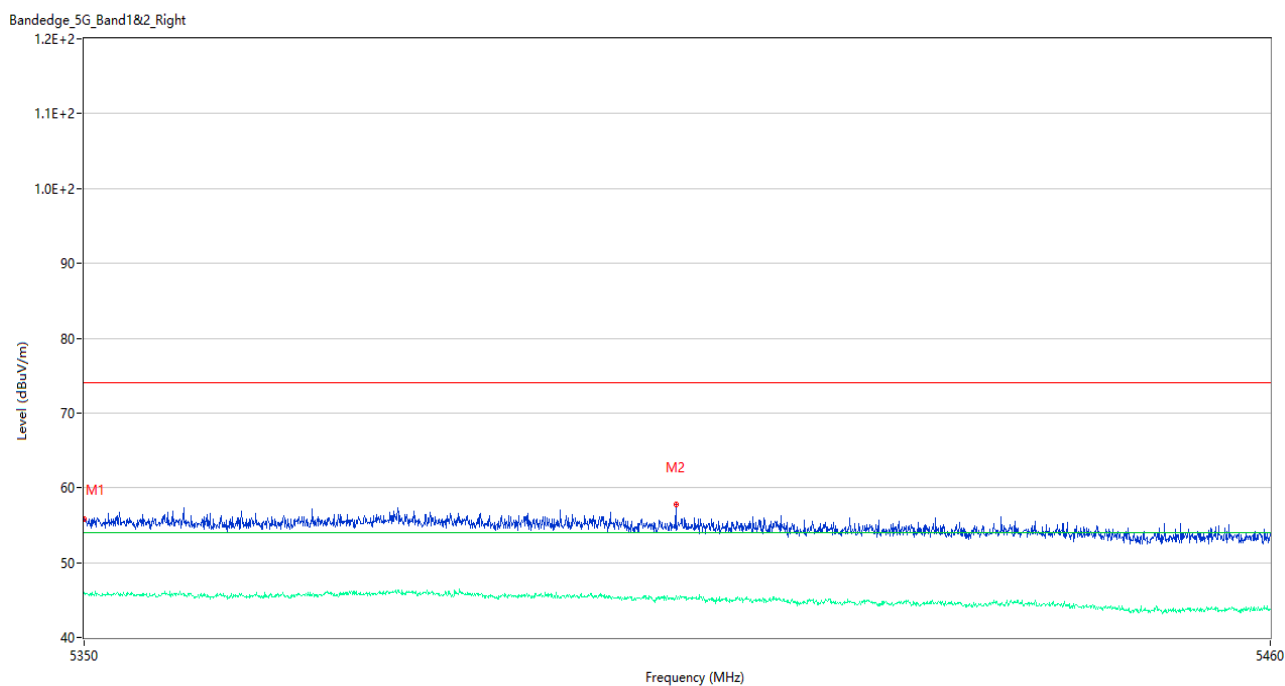
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.83	3.32	74.0	18.17	Peak	43.00	150	Vertical	Pass
1**	5350.000	45.98	3.32	54.0	8.02	AV	43.00	150	Vertical	Pass
2	5361.770	57.62	2.57	74.0	16.38	Peak	108.00	150	Vertical	Pass
2**	5361.770	45.29	2.57	54.0	8.71	AV	108.00	150	Vertical	Pass

U-NII-1 11n20 Low Channel



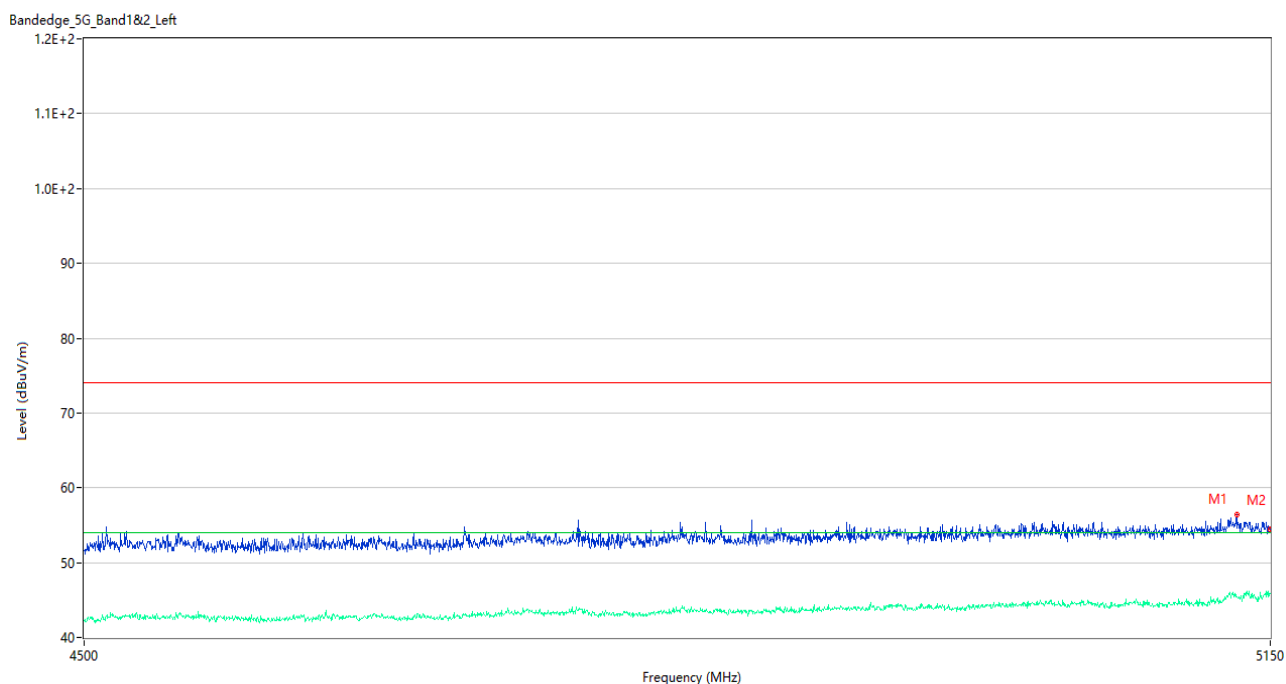
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5132.125	56.18	3.09	74.0	17.82	Peak	59.00	100	Vertical	Pass
1**	5132.125	45.25	3.09	54.0	8.75	AV	59.00	100	Vertical	Pass
2	5150.000	53.97	2.86	74.0	20.03	Peak	139.00	150	Vertical	Pass
2**	5150.000	45.07	2.86	54.0	8.93	AV	139.00	150	Vertical	Pass

U-NII-1 11n20 High Channel



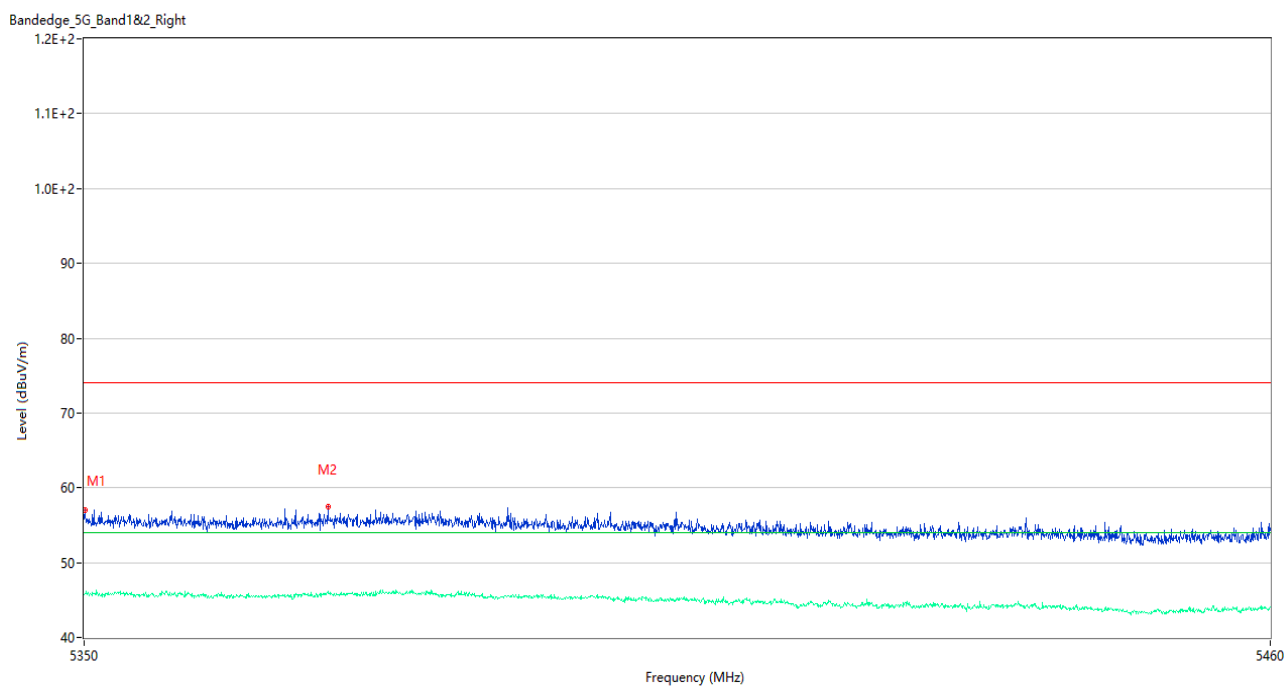
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.81	3.32	74.0	18.19	Peak	221.00	150	Vertical	Pass
1**	5350.000	46.08	3.32	54.0	7.92	AV	221.00	150	Vertical	Pass
2	5404.615	57.78	3.13	74.0	16.22	Peak	230.00	150	Vertical	Pass
2**	5404.615	45.40	3.13	54.0	8.60	AV	230.00	150	Vertical	Pass

U-NII-1 11n40 Low Channel



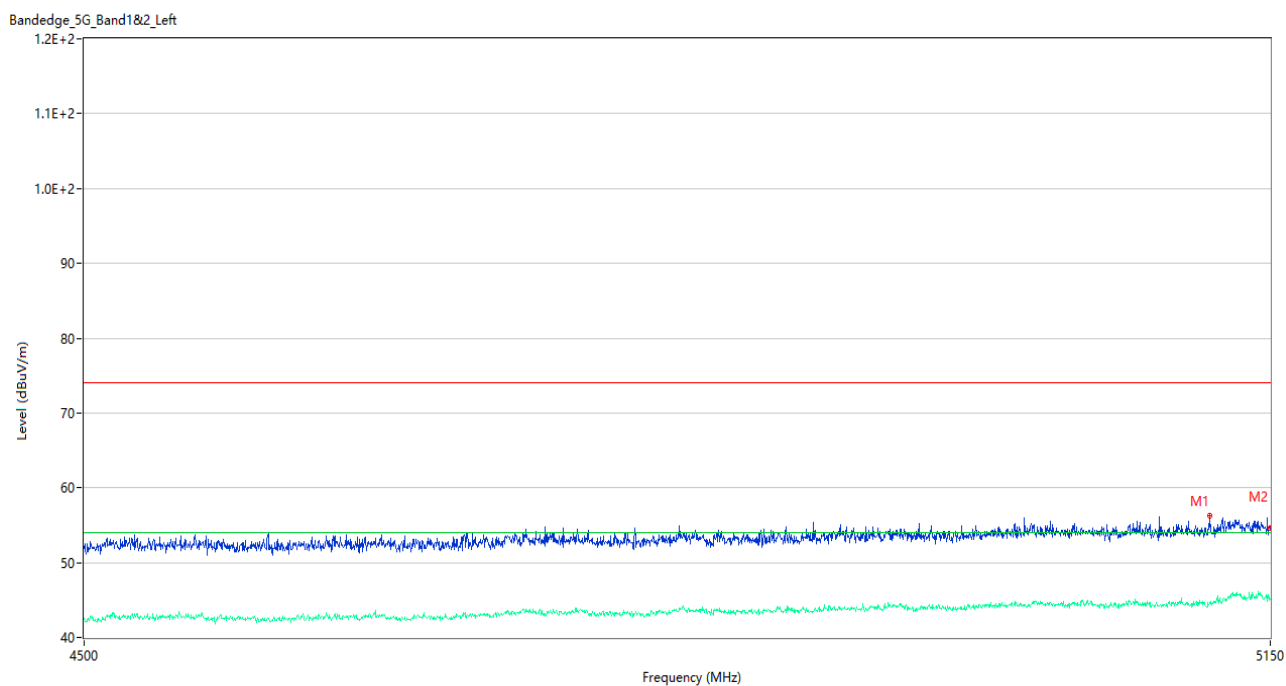
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5130.500	56.42	3.37	74.0	17.58	Peak	144.00	200	Vertical	Pass
1**	5130.500	45.46	3.37	54.0	8.54	AV	144.00	200	Vertical	Pass
2	5150.000	54.51	2.86	74.0	19.49	Peak	0.00	150	Vertical	Pass
2**	5150.000	45.80	2.86	54.0	8.20	AV	0.00	150	Vertical	Pass

U-NII-1 11n40 High Channel



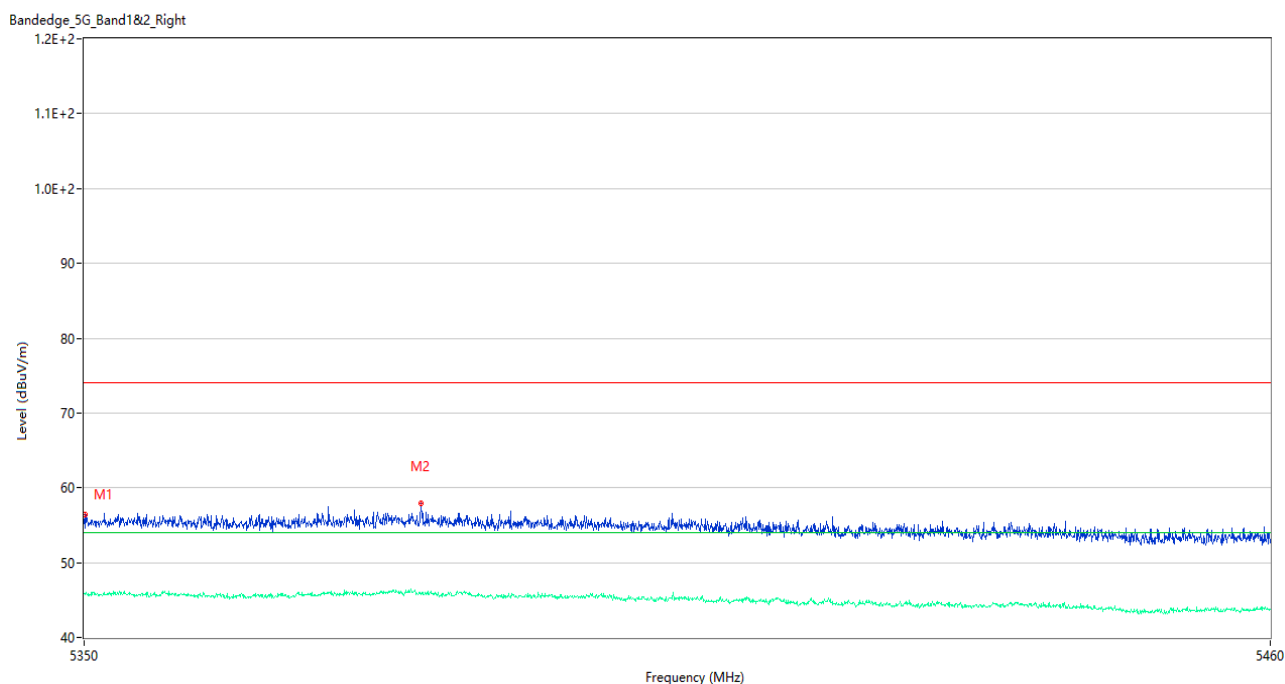
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	56.96	3.30	74.0	17.04	Peak	255.00	150	Vertical	Pass
1**	5350.055	45.87	3.30	54.0	8.13	AV	255.00	150	Vertical	Pass
2	5372.440	57.46	3.01	74.0	16.54	Peak	0.00	100	Vertical	Pass
2**	5372.440	46.23	3.01	54.0	7.77	AV	0.00	100	Vertical	Pass

U-NII-1 11ac20 Low Channel



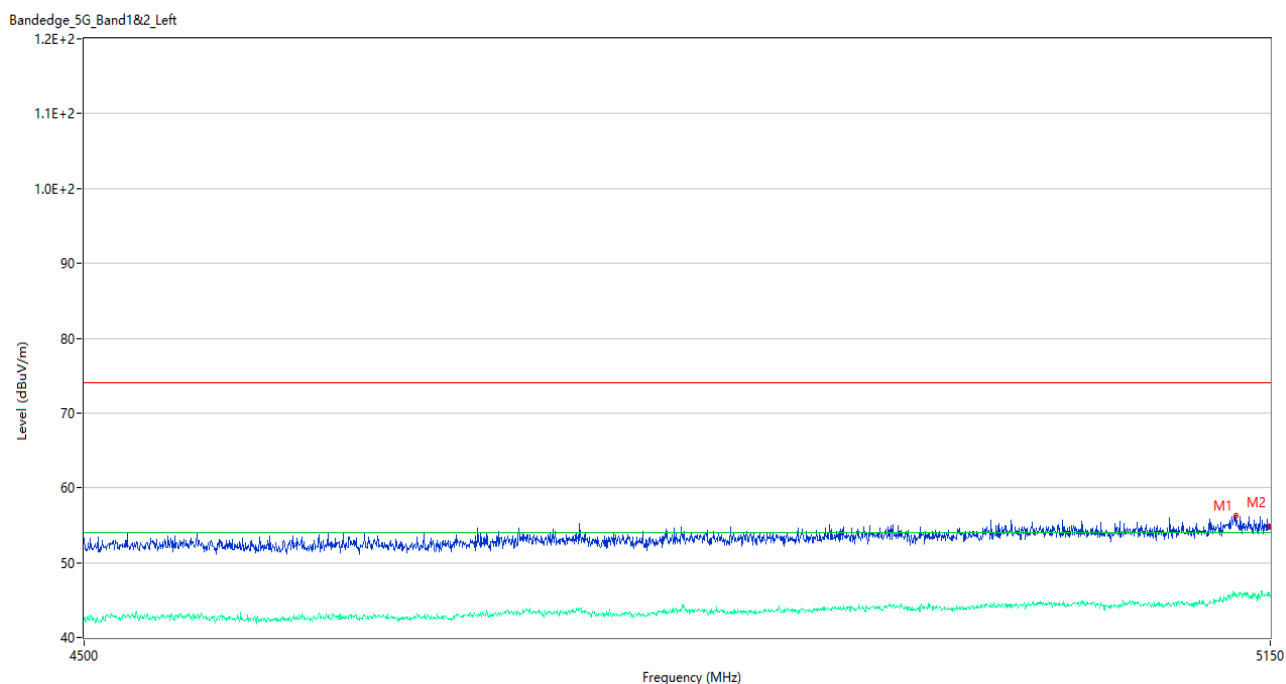
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5114.900	56.20	2.67	74.0	17.80	Peak	137.00	200	Vertical	Pass
1**	5114.900	44.63	2.67	54.0	9.37	AV	137.00	200	Vertical	Pass
2	5150.000	54.55	2.86	74.0	19.45	Peak	225.00	150	Vertical	Pass
2**	5150.000	45.18	2.86	54.0	8.82	AV	225.00	150	Vertical	Pass

U-NII-1 11ac20 High Channel



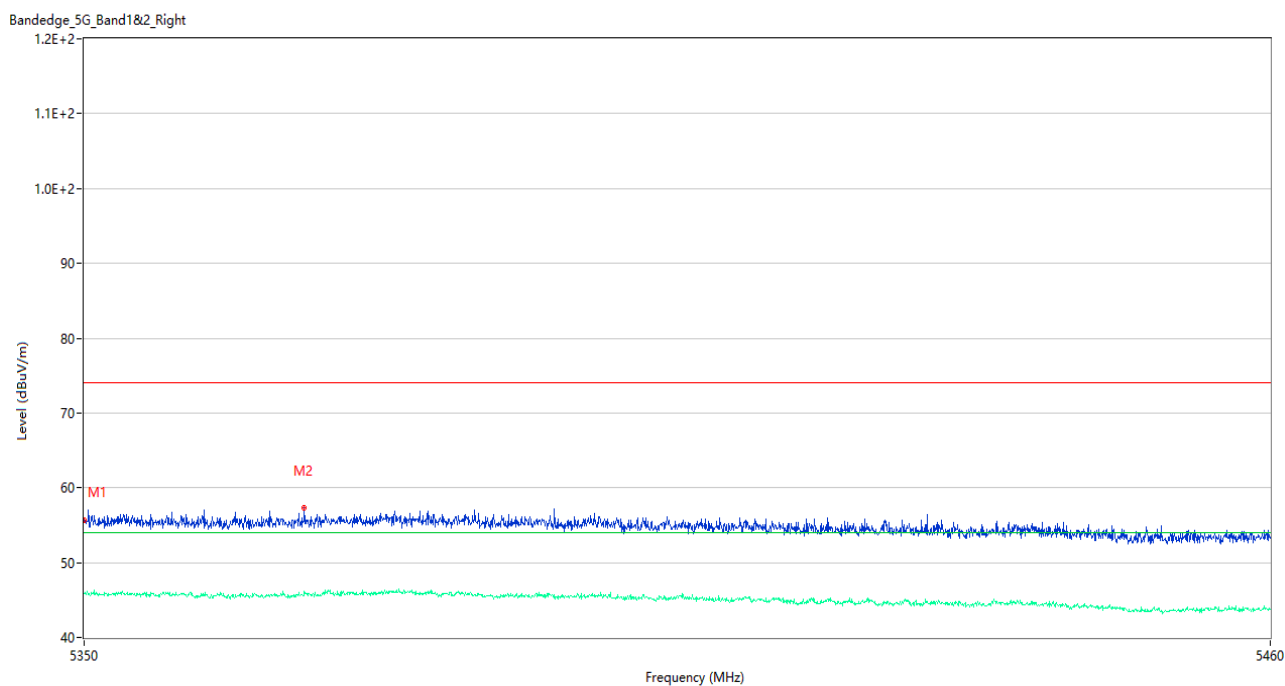
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	56.41	3.30	74.0	17.59	Peak	147.00	150	Vertical	Pass
1**	5350.055	45.88	3.30	54.0	8.12	AV	147.00	150	Vertical	Pass
2	5381.020	57.91	3.07	74.0	16.09	Peak	201.00	100	Vertical	Pass
2**	5381.020	45.71	3.07	54.0	8.29	AV	201.00	100	Vertical	Pass

U-NII-1 11ac40 Low Channel



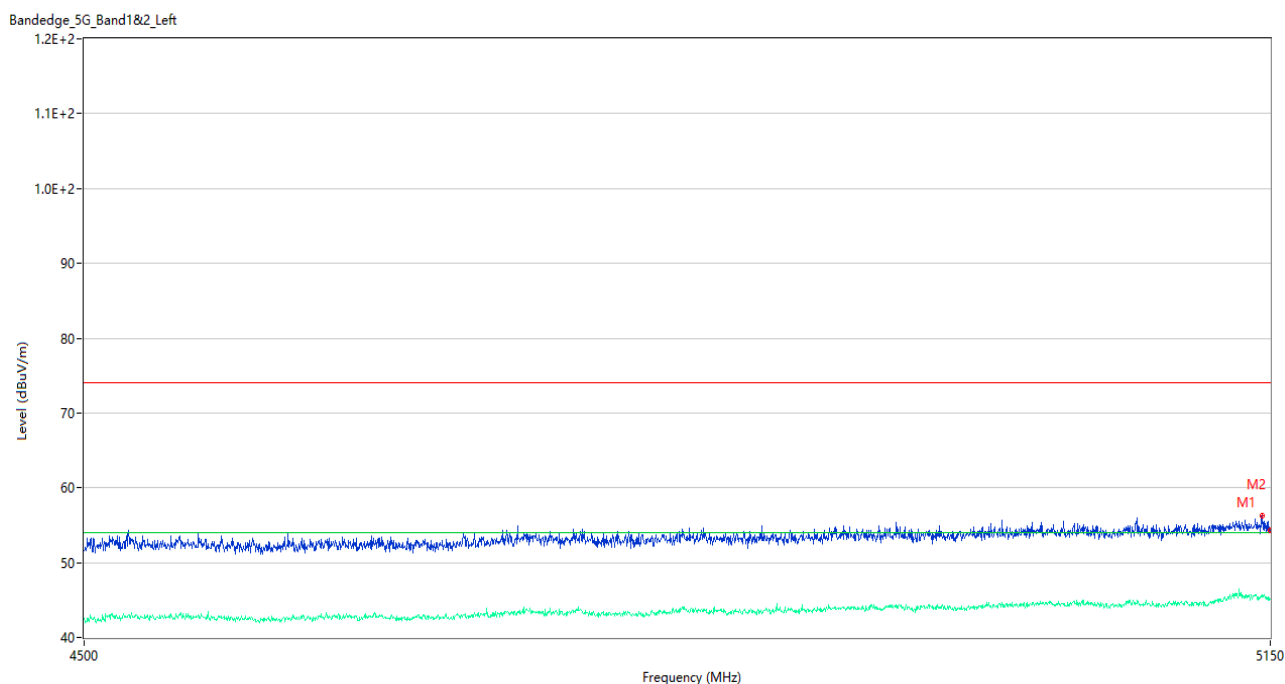
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5129.850	56.22	3.47	74.0	17.78	Peak	35.00	100	Vertical	Pass
1**	5129.850	45.79	3.47	54.0	8.21	AV	35.00	100	Vertical	Pass
2	5150.000	54.76	2.86	74.0	19.24	Peak	284.00	100	Vertical	Pass
2**	5150.000	45.47	2.86	54.0	8.53	AV	284.00	100	Vertical	Pass

U-NII-1 11ac40 High Channel



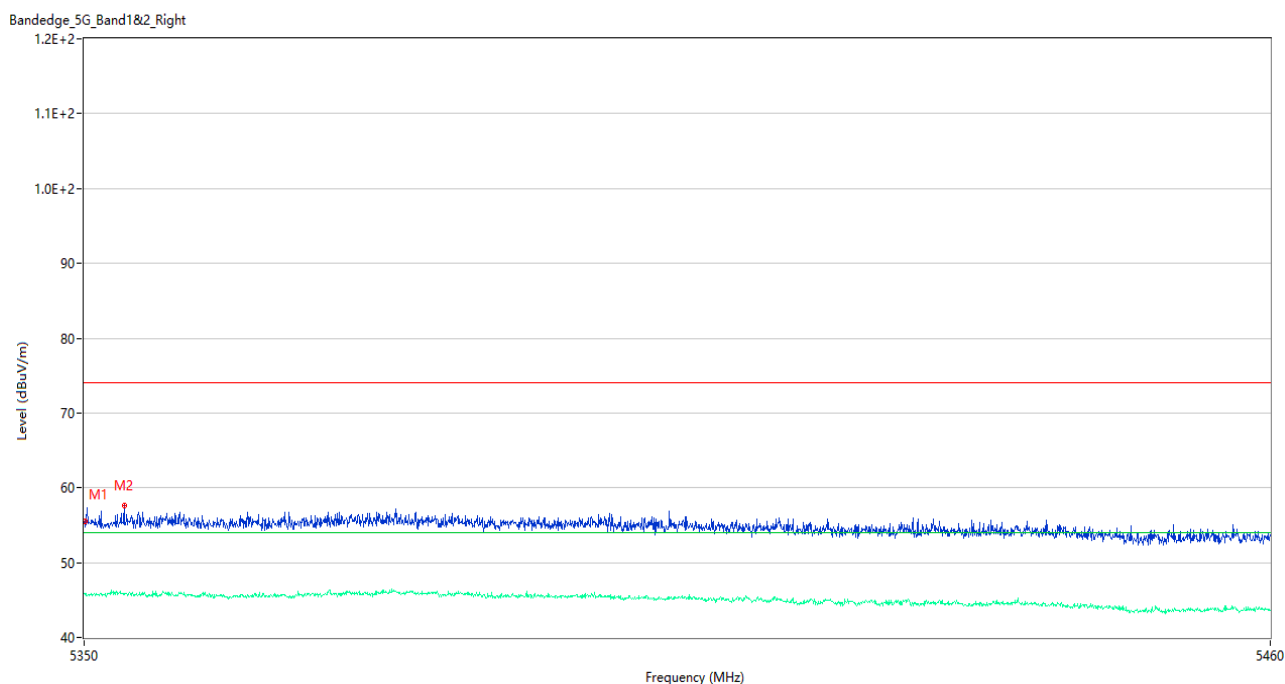
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.74	3.32	74.0	18.26	Peak	188.00	150	Vertical	Pass
1**	5350.000	45.84	3.32	54.0	8.16	AV	188.00	150	Vertical	Pass
2	5370.240	57.34	2.76	74.0	16.66	Peak	0.00	150	Vertical	Pass
2**	5370.240	46.11	2.76	54.0	7.89	AV	0.00	150	Vertical	Pass

U-NII-1 11ac80 Middle Channel



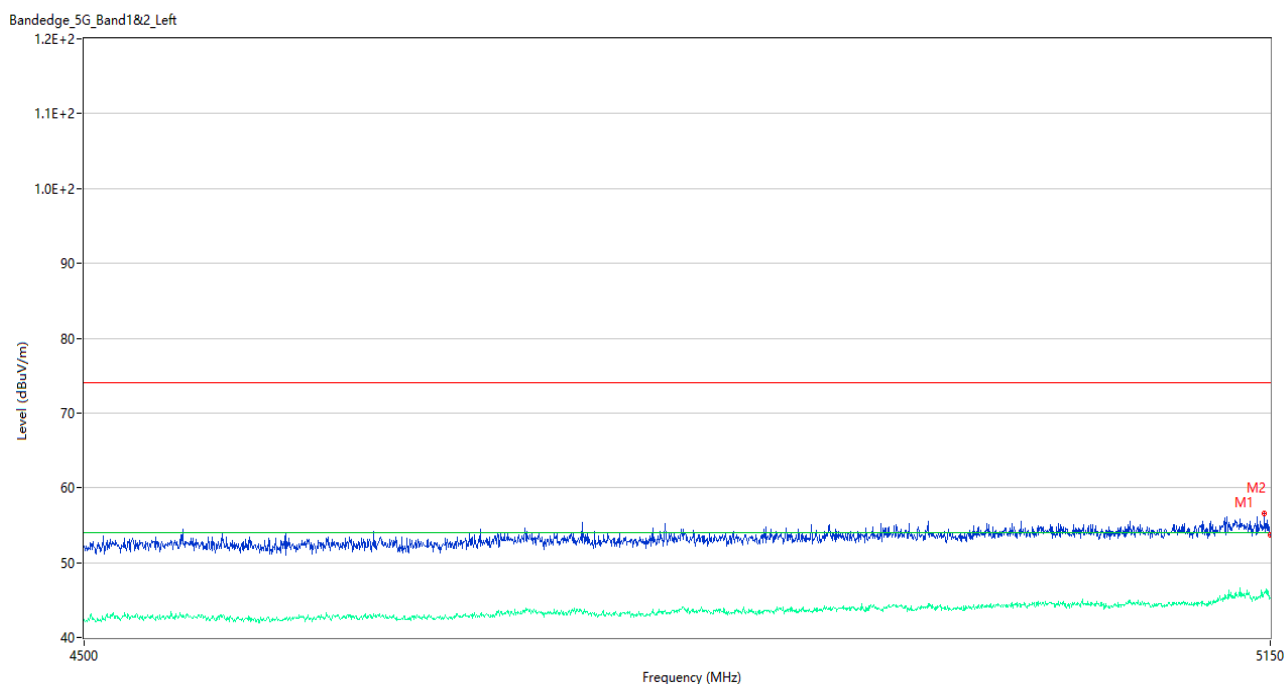
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5145.450	56.29	3.01	74.0	17.71	Peak	146.00	200	Vertical	Pass
1**	5145.450	45.49	3.01	54.0	8.51	AV	146.00	200	Vertical	Pass
2	5150.000	54.31	2.86	74.0	19.69	Peak	268.00	100	Vertical	Pass
2**	5150.000	45.11	2.86	54.0	8.89	AV	268.00	100	Vertical	Pass

U-NII-1 11ac80 Middle Channel



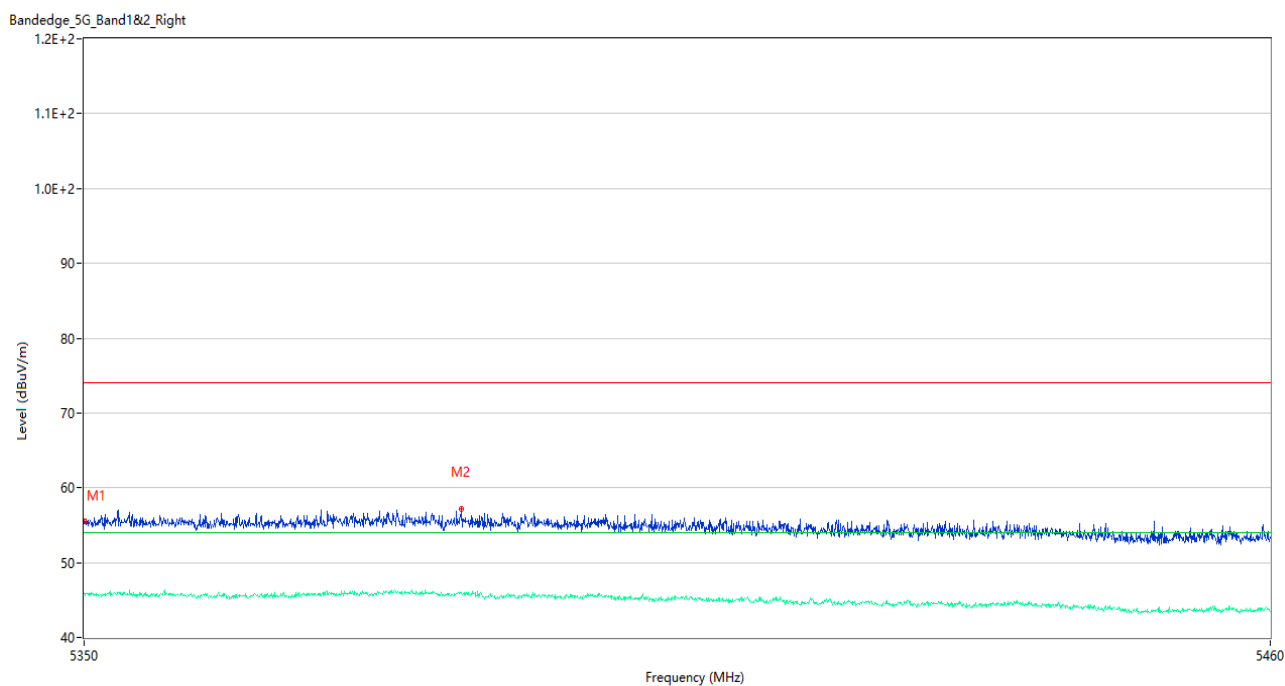
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	55.48	3.30	74.0	18.52	Peak	69.00	100	Vertical	Pass
1**	5350.055	45.74	3.30	54.0	8.26	AV	69.00	100	Vertical	Pass
2	5353.685	57.63	3.10	74.0	16.37	Peak	151.00	200	Vertical	Pass
2**	5353.685	45.92	3.10	54.0	8.08	AV	151.00	200	Vertical	Pass

U-NII-1 11ax20 (SU) Low Channel



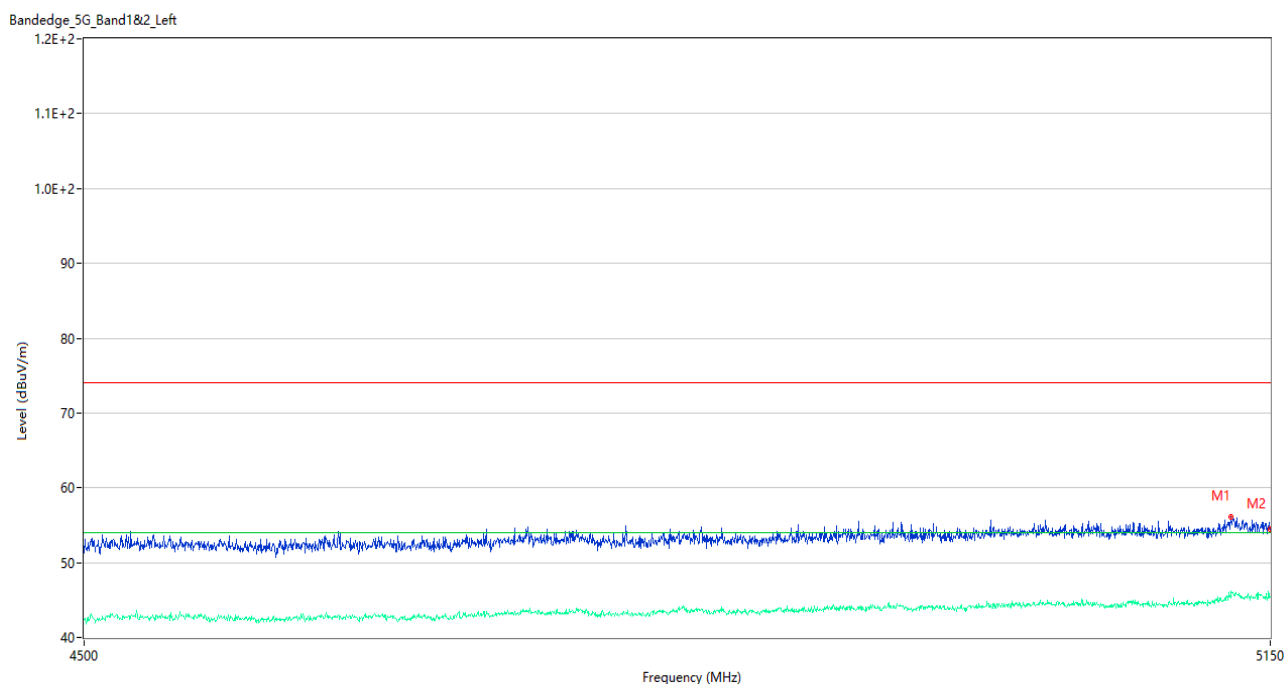
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5146.750	56.51	3.04	74.0	17.49	Peak	259.00	150	Vertical	Pass
1**	5146.750	45.90	3.04	54.0	8.10	AV	259.00	150	Vertical	Pass
2	5150.000	53.72	2.86	74.0	20.28	Peak	0.00	100	Vertical	Pass
2**	5150.000	45.29	2.86	54.0	8.71	AV	0.00	100	Vertical	Pass

U-NII-1 11ax20 (SU) High Channel



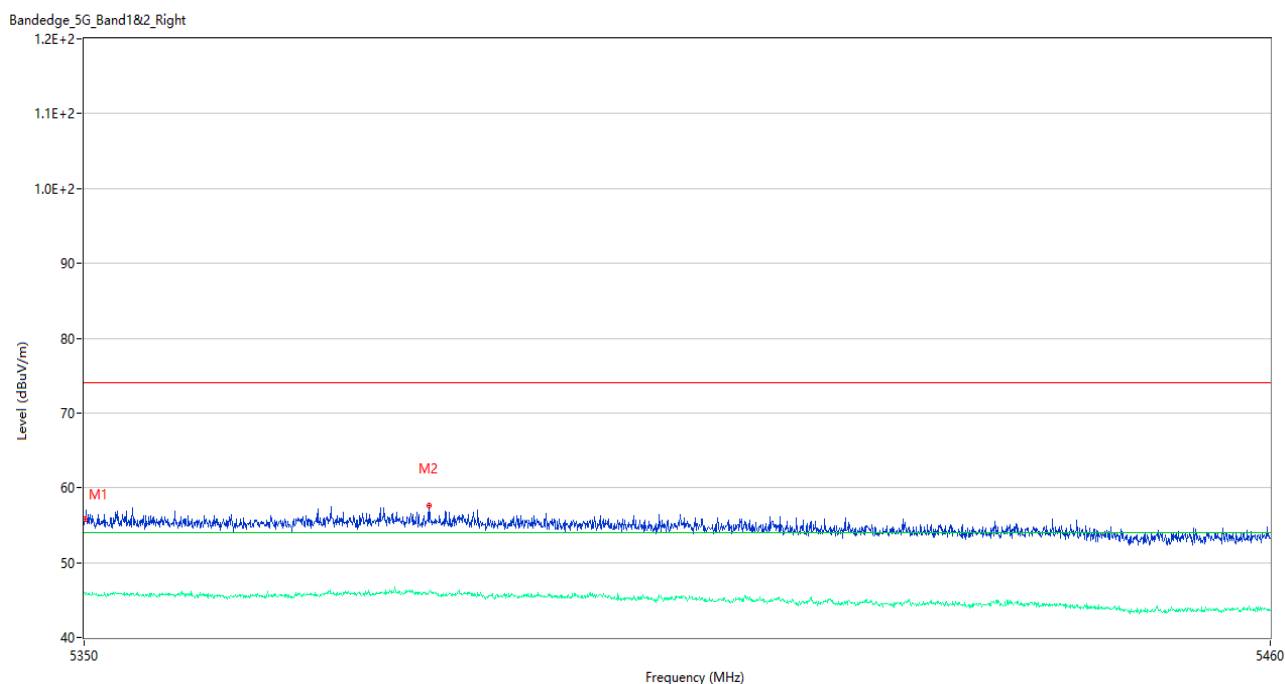
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.57	3.32	74.0	18.43	Peak	85.00	200	Vertical	Pass
1**	5350.000	45.83	3.32	54.0	8.17	AV	85.00	200	Vertical	Pass
2	5384.760	57.19	3.11	74.0	16.81	Peak	35.00	200	Vertical	Pass
2**	5384.760	45.98	3.11	54.0	8.02	AV	35.00	200	Vertical	Pass

U-NII-1 11ax40 (SU) Low Channel



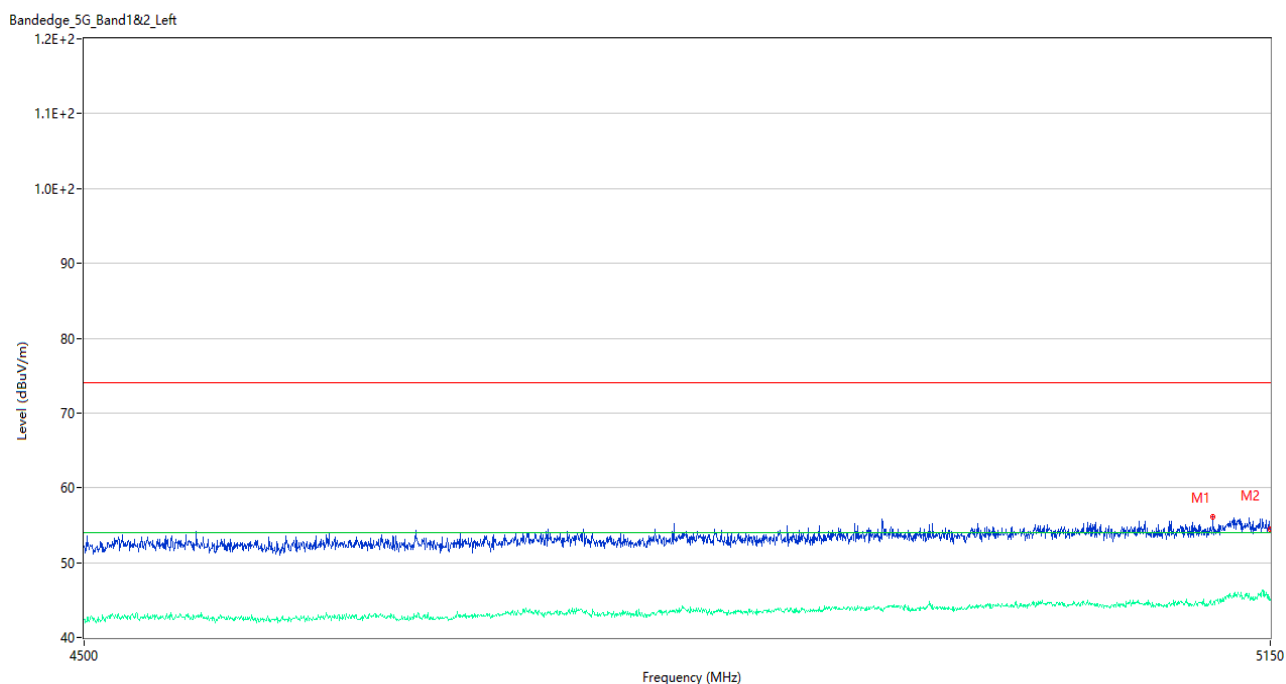
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5127.250	56.05	3.21	74.0	17.95	Peak	257.00	100	Vertical	Pass
1**	5127.250	46.22	3.21	54.0	7.78	AV	257.00	100	Vertical	Pass
2	5150.000	54.48	2.86	74.0	19.52	Peak	257.00	200	Vertical	Pass
2**	5150.000	45.38	2.86	54.0	8.62	AV	257.00	200	Vertical	Pass

U-NII-1 11ax40 (SU) High Channel



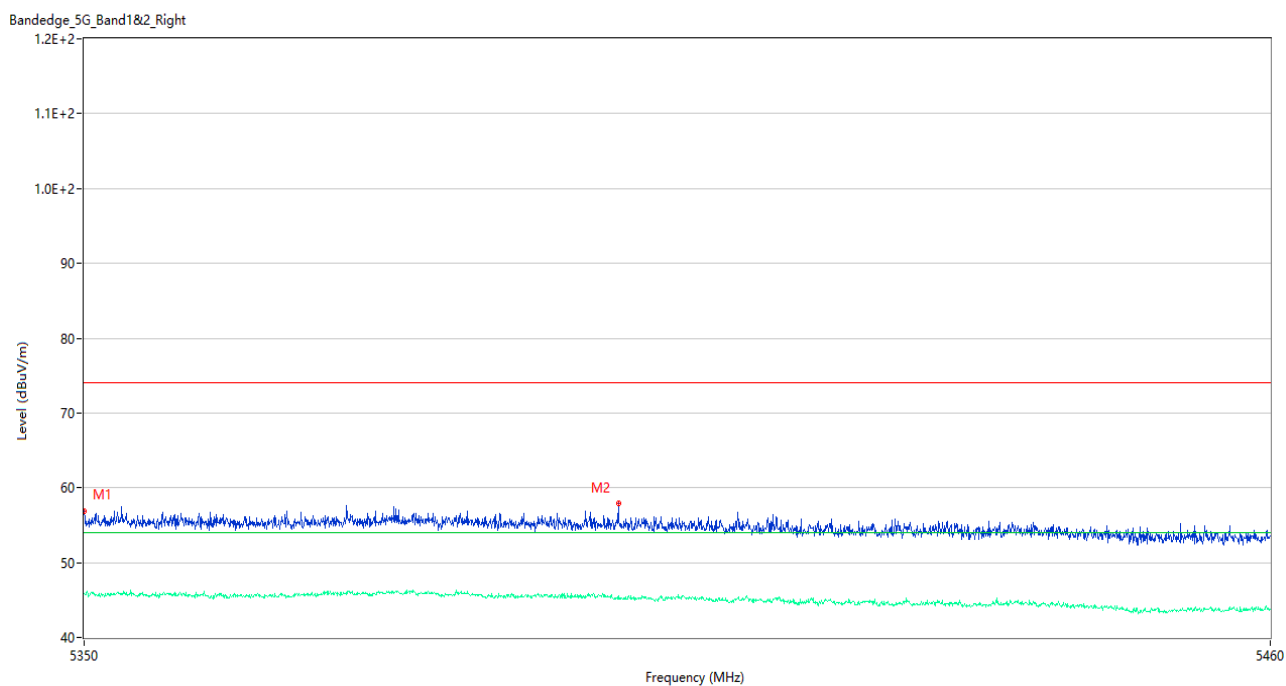
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	55.75	3.30	74.0	18.25	Peak	246.00	200	Vertical	Pass
1**	5350.055	45.88	3.30	54.0	8.12	AV	246.00	200	Vertical	Pass
2	5381.790	57.57	3.18	74.0	16.43	Peak	45.00	200	Vertical	Pass
2**	5381.790	46.24	3.18	54.0	7.76	AV	45.00	200	Vertical	Pass

U-NII-1 11ax80 (SU) Middle Channel



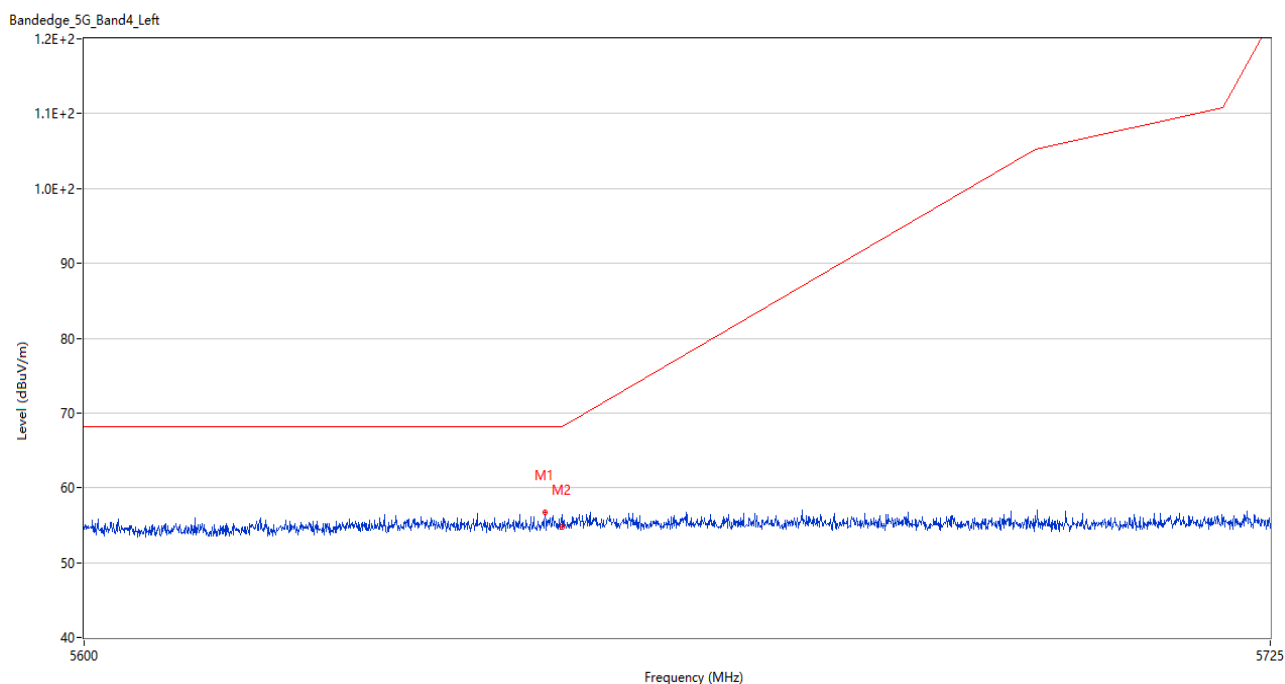
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5116.525	56.10	2.59	74.0	17.90	Peak	246.00	100	Vertical	Pass
1**	5116.525	44.44	2.59	54.0	9.56	AV	246.00	100	Vertical	Pass
2	5150.000	54.40	2.86	74.0	19.60	Peak	210.00	200	Vertical	Pass
2**	5150.000	44.97	2.86	54.0	9.03	AV	210.00	200	Vertical	Pass

U-NII-1 11ax80 (SU) Middle Channel



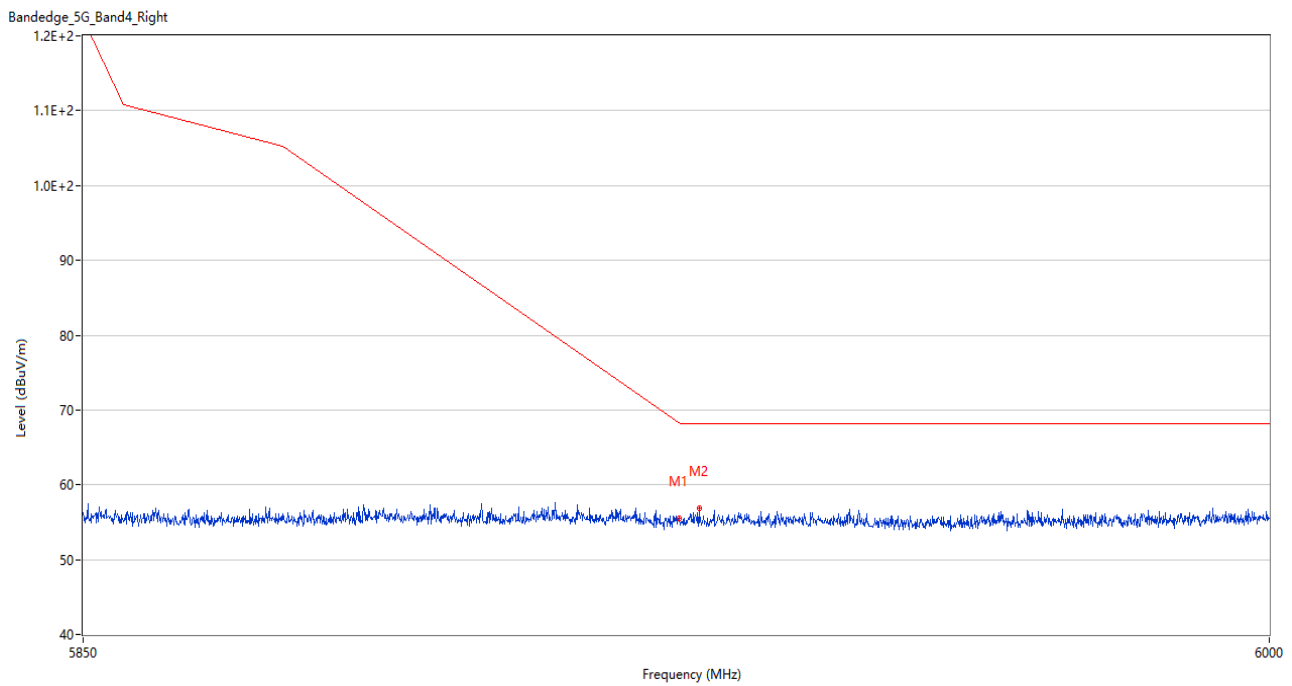
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.95	3.32	74.0	17.05	Peak	100.00	200	Vertical	Pass
1**	5350.000	45.83	3.32	54.0	8.17	AV	100.00	200	Vertical	Pass
2	5399.280	57.93	3.01	74.0	16.07	Peak	85.00	100	Vertical	Pass
2**	5399.280	45.19	3.01	54.0	8.81	AV	85.00	100	Vertical	Pass

U-NII-3 11a Low Channel



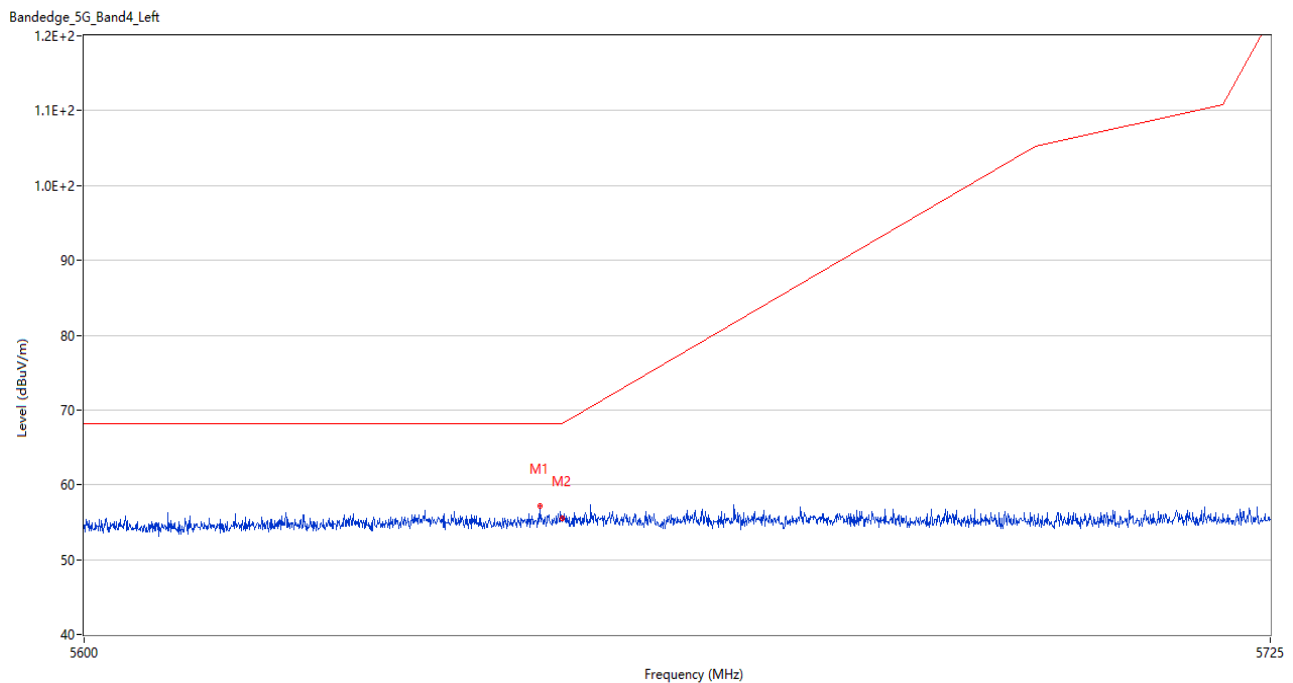
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5648.250	56.68	3.30	68.2	11.52	Peak	158.00	200	Vertical	Pass
2	5650.000	54.81	3.72	68.2	13.39	Peak	44.00	200	Vertical	Pass

U-NII-3 11a High Channel



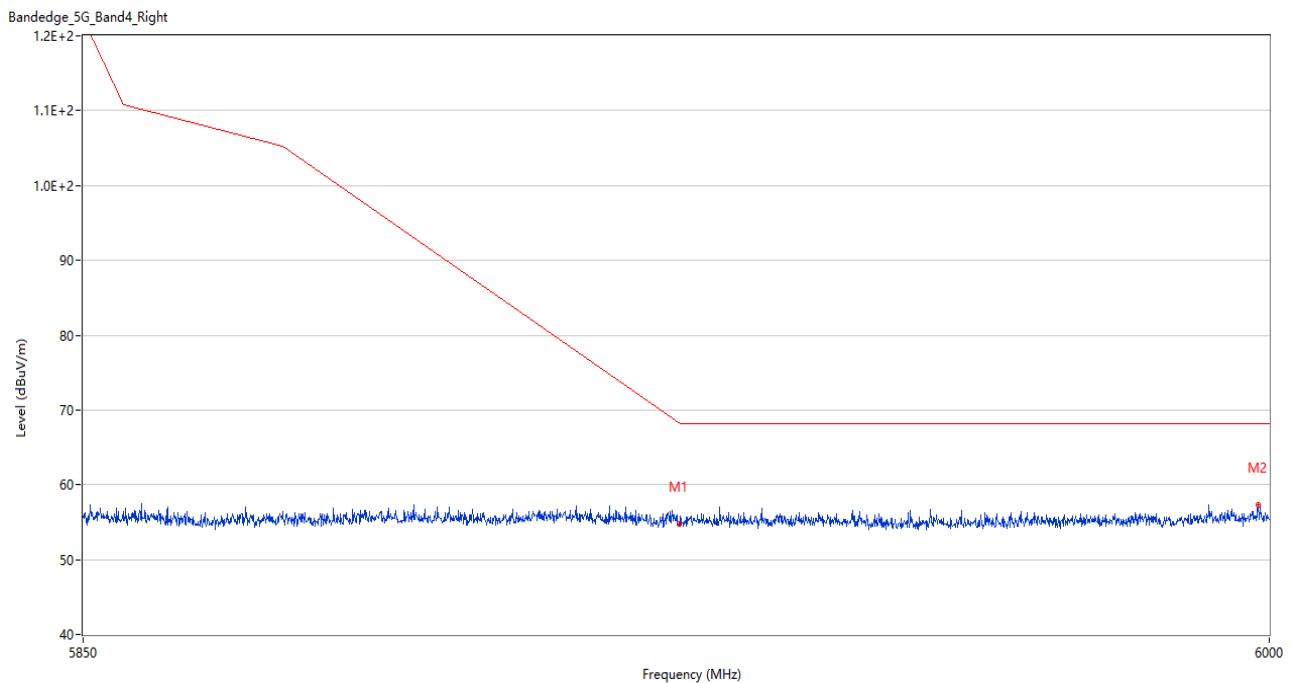
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	55.51	3.42	68.3	12.79	Peak	299.00	200	Vertical	Pass
2	5927.400	56.87	3.59	68.2	11.33	Peak	35.00	200	Vertical	Pass

U-NII-3 11n20 Low Channel



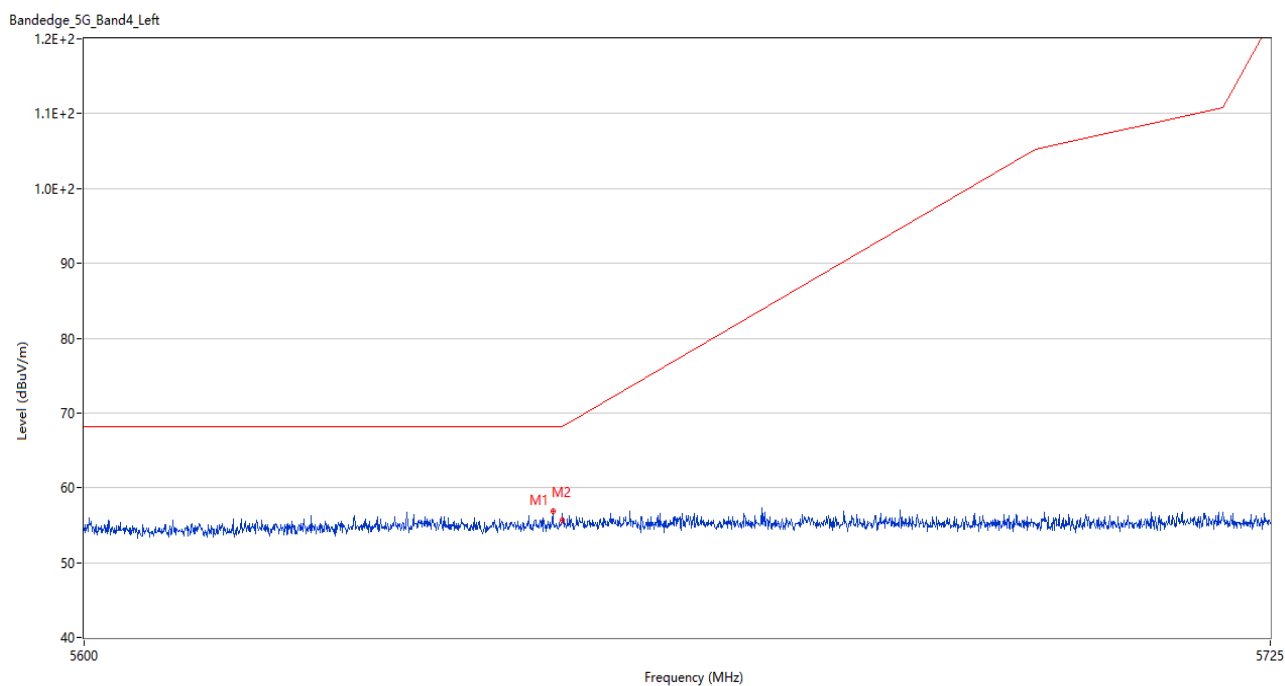
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5647.750	57.19	3.34	68.2	11.01	Peak	360.00	150	Vertical	Pass
2	5650.000	55.50	3.72	68.2	12.70	Peak	245.00	100	Vertical	Pass

U-NII-3 11n20 High Channel



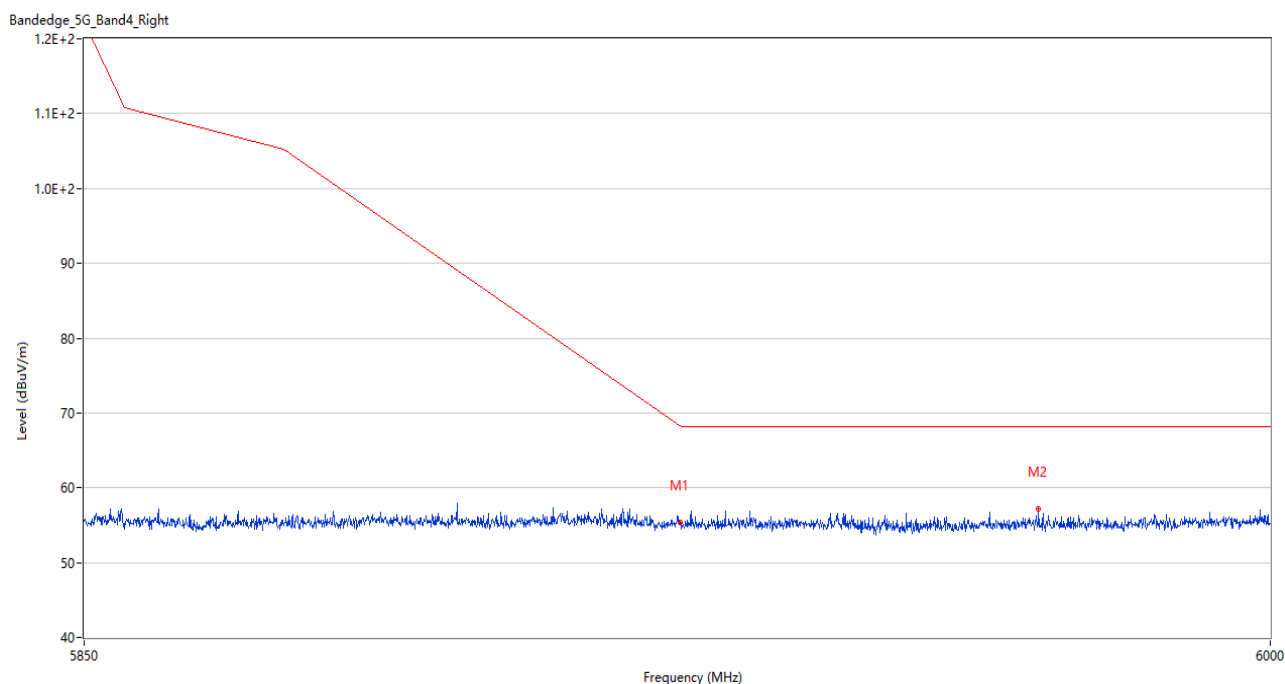
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	54.77	3.42	68.3	13.53	Peak	230.00	200	Vertical	Pass
2	5998.575	57.35	4.76	68.2	10.85	Peak	26.00	150	Vertical	Pass

U-NII-3 11n40 Low Channel



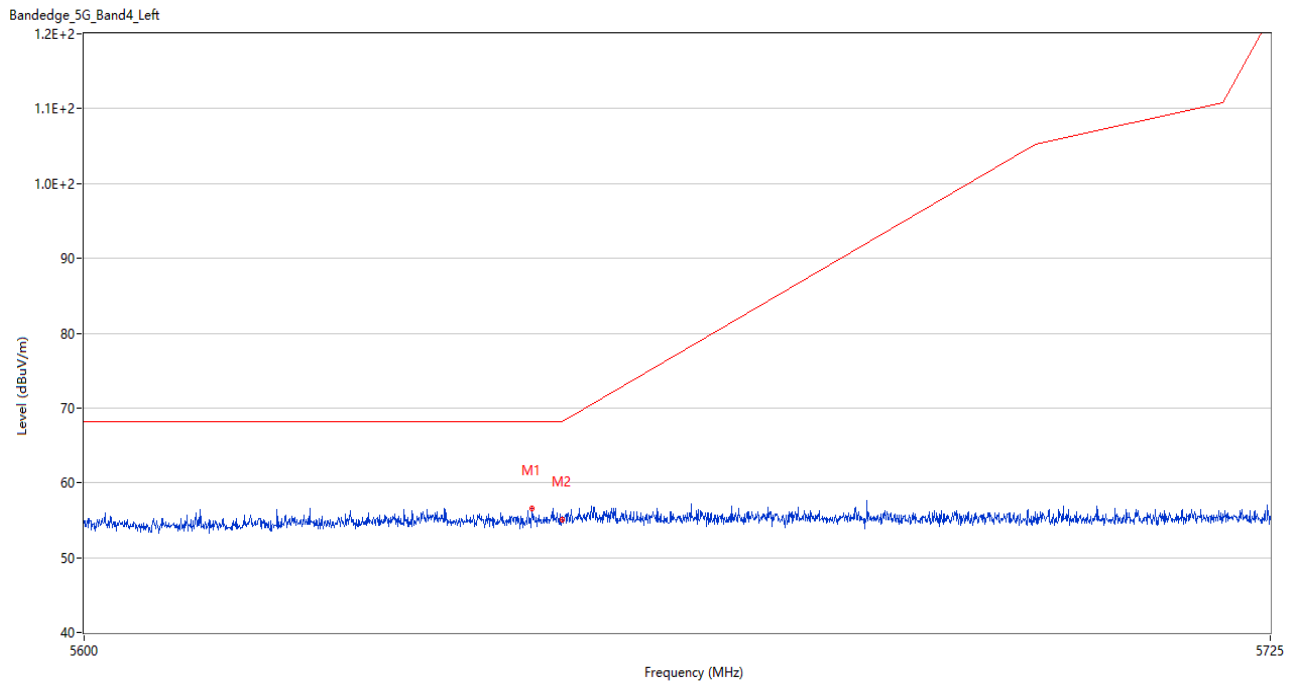
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5649.062	56.88	3.62	68.2	11.32	Peak	135.00	200	Vertical	Pass
2	5650.000	55.61	3.72	68.2	12.59	Peak	204.00	200	Vertical	Pass

U-NII-3 11n40 High Channel



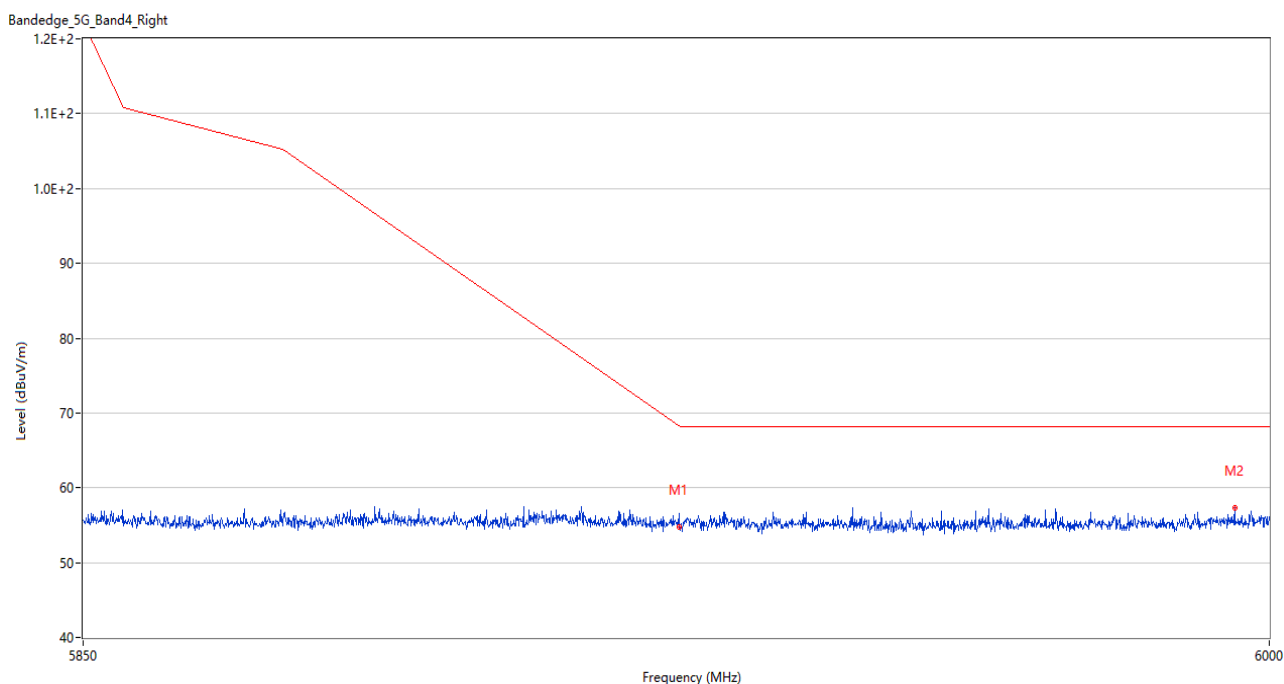
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	55.36	3.42	68.3	12.94	Peak	63.00	150	Vertical	Pass
2	5970.375	57.18	3.98	68.2	11.02	Peak	359.00	150	Vertical	Pass

U-NII-3 11ac20 Low Channel



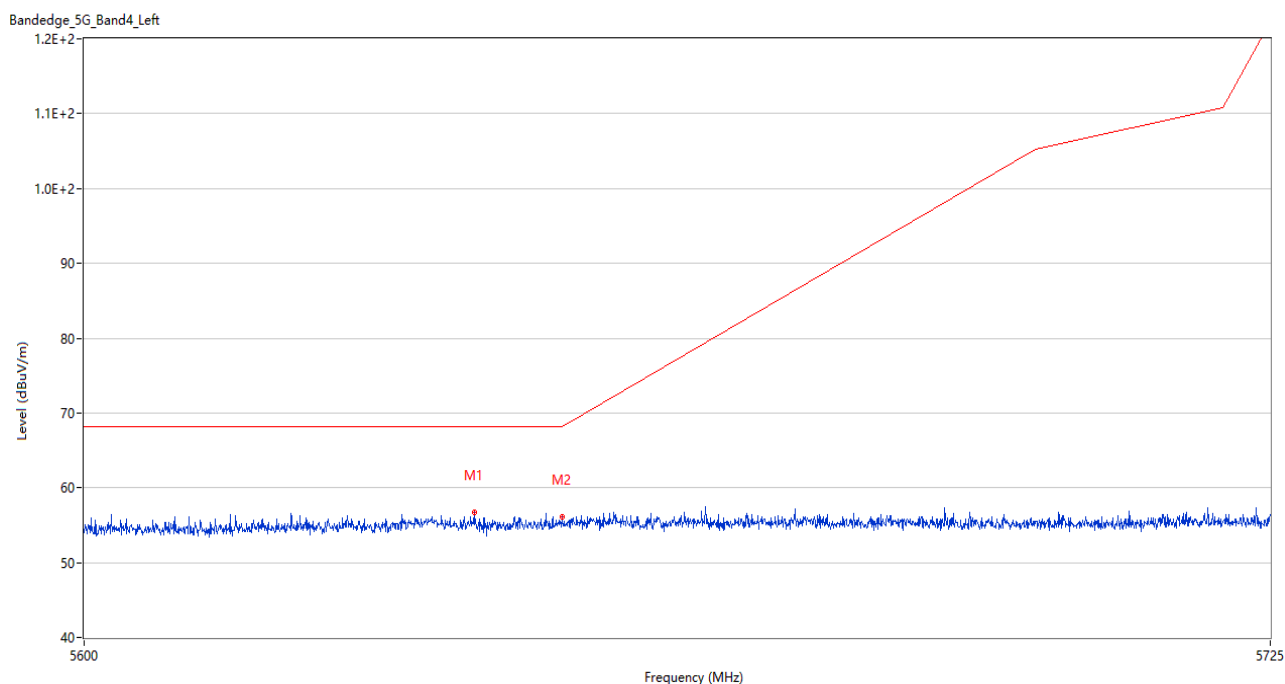
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5646.875	56.65	3.37	68.2	11.55	Peak	171.00	200	Vertical	Pass
2	5650.000	55.13	3.72	68.2	13.07	Peak	317.00	100	Vertical	Pass

U-NII-3 11ac20 High Channel



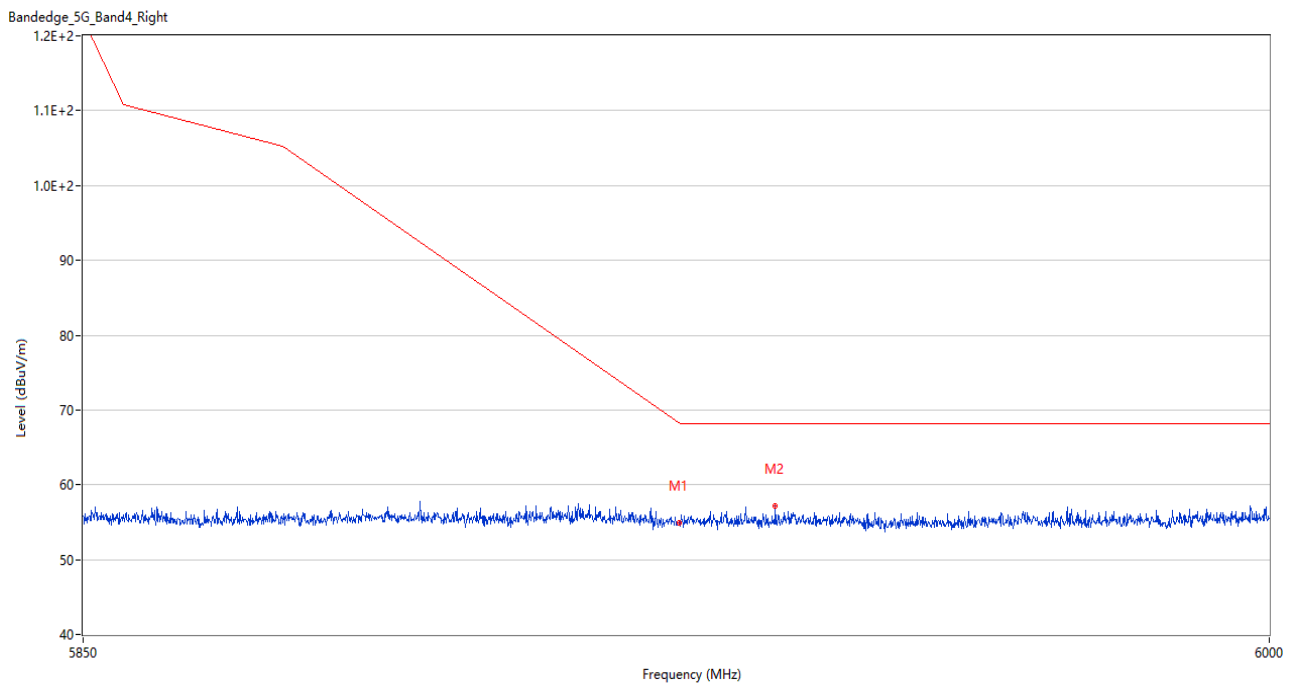
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	54.81	3.42	68.3	13.49	Peak	73.00	100	Vertical	Pass
2	5995.575	57.33	4.76	68.2	10.87	Peak	312.00	200	Vertical	Pass

U-NII-3 11ac40 Low Channel



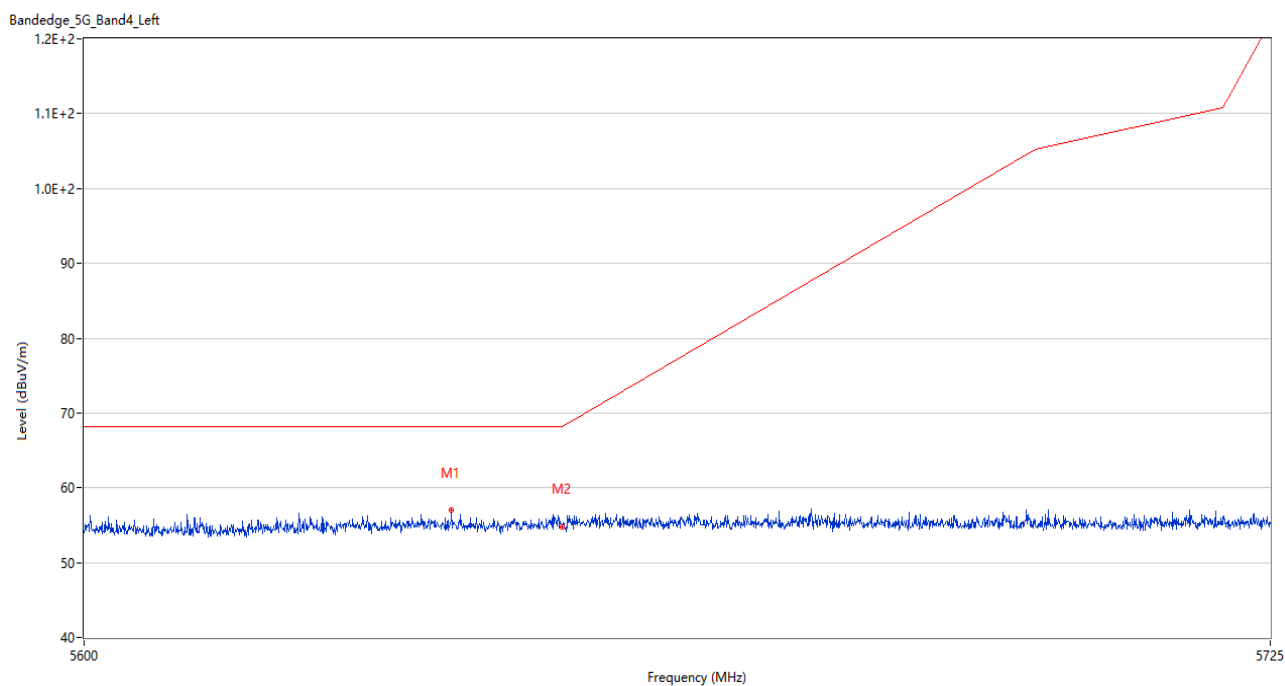
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5640.813	56.67	3.47	68.2	11.53	Peak	253.00	150	Vertical	Pass
2	5650.000	56.13	3.72	68.2	12.07	Peak	0.00	100	Vertical	Pass

U-NII-3 11ac40 High Channel



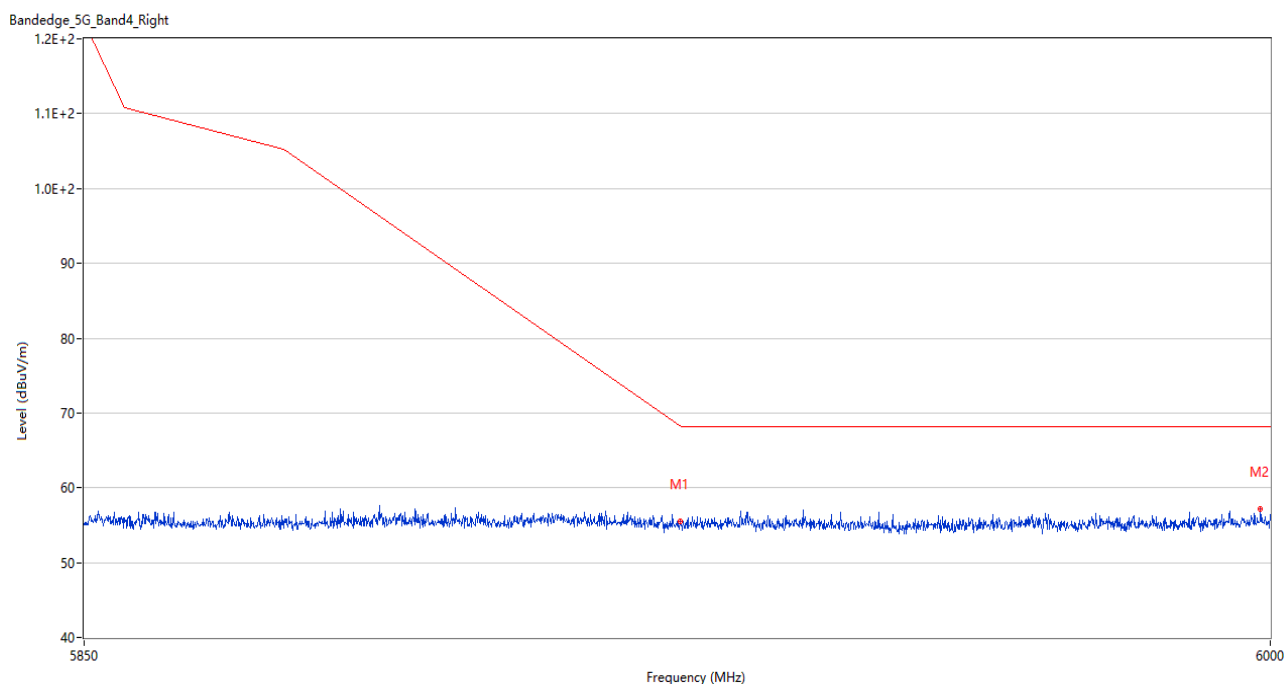
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	54.95	3.42	68.3	13.35	Peak	207.00	200	Vertical	Pass
2	5937.075	57.18	3.51	68.2	11.02	Peak	181.00	100	Vertical	Pass

U-NII-3 11ac80 Middle Channel



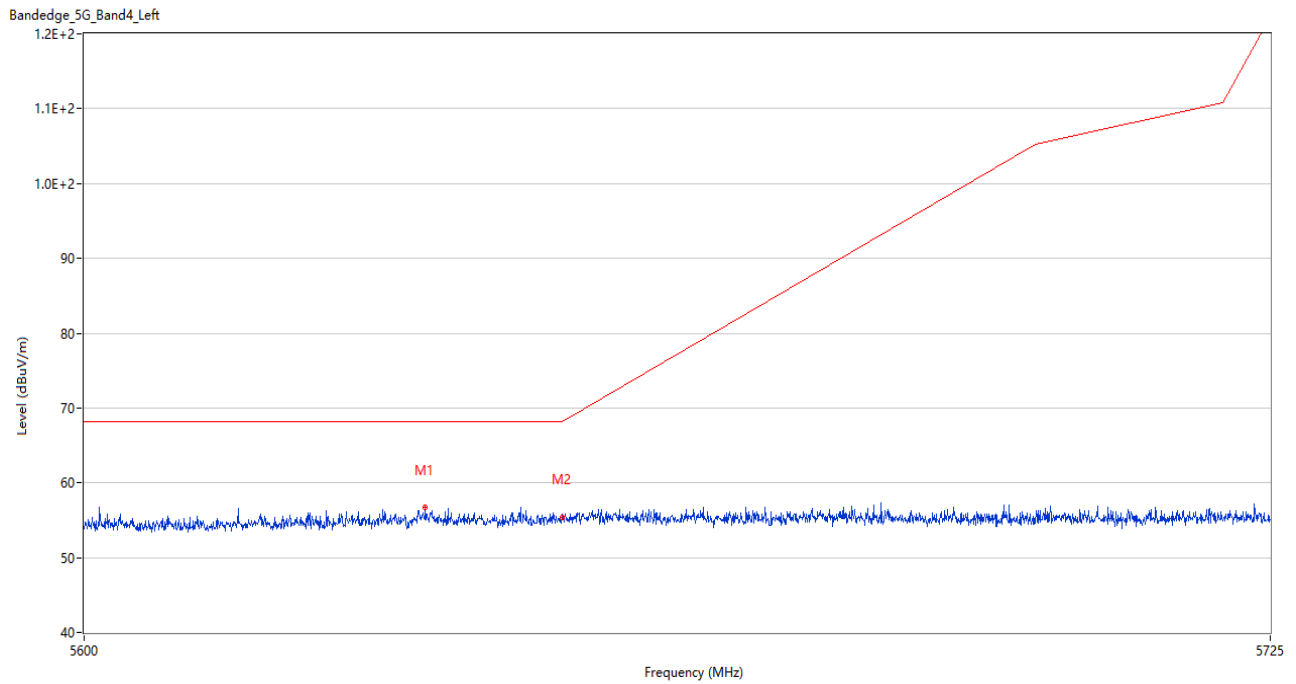
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5638.437	57.00	3.55	68.2	11.20	Peak	258.00	150	Vertical	Pass
2	5650.000	54.83	3.72	68.2	13.37	Peak	277.00	150	Vertical	Pass

U-NII-3 11ac80 Middle Channel



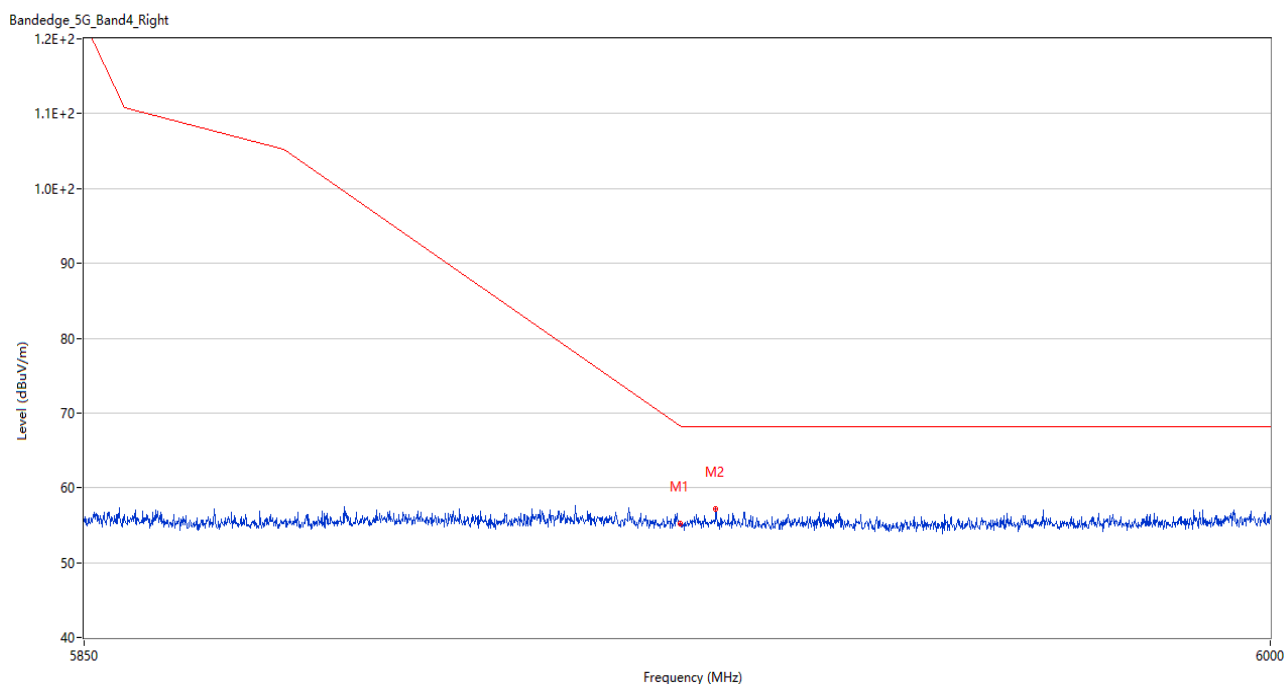
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	55.45	3.42	68.3	12.85	Peak	188.00	200	Vertical	Pass
2	5998.725	57.18	4.88	68.2	11.02	Peak	40.00	200	Vertical	Pass

U-NII-3 11ax20 (SU) Low Channel



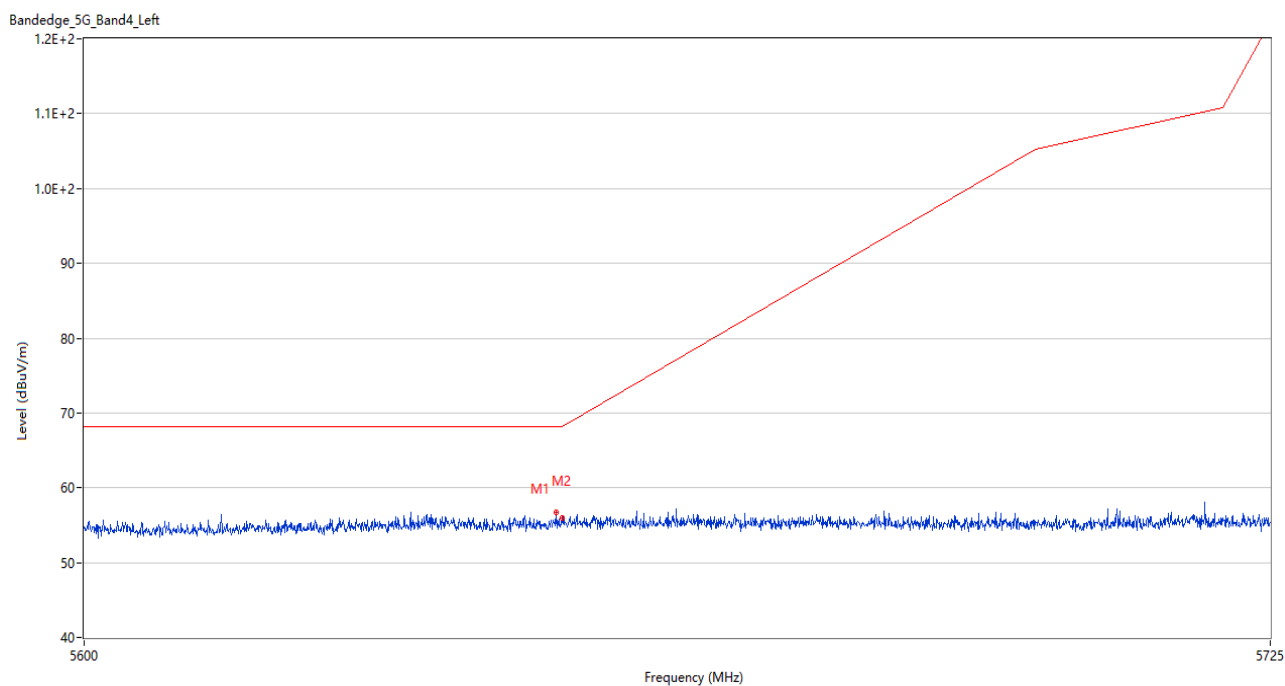
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5635.687	56.70	3.83	68.2	11.50	Peak	301.00	100	Vertical	Pass
2	5650.000	55.43	3.72	68.2	12.77	Peak	255.00	100	Vertical	Pass

U-NII-3 11ax20 (SU) High Channel



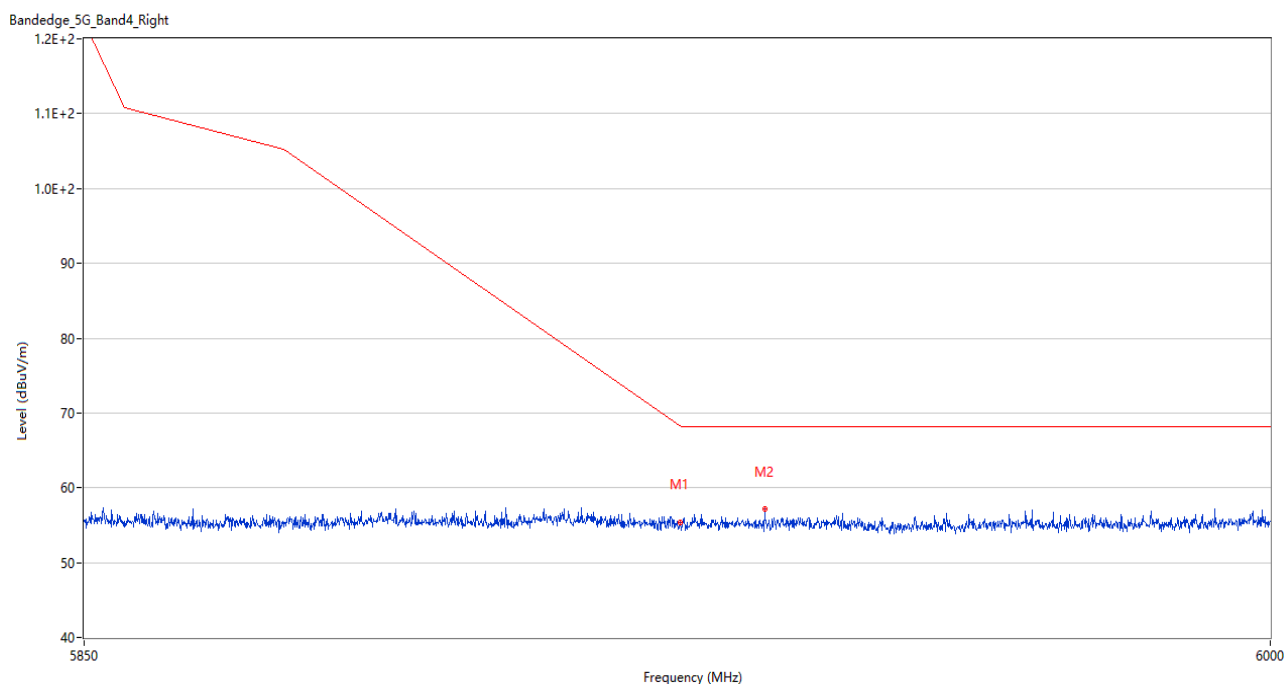
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	55.25	3.42	68.3	13.05	Peak	115.00	200	Vertical	Pass
2	5929.425	57.11	3.55	68.2	11.09	Peak	360.00	150	Vertical	Pass

U-NII-3 11ax40 (SU) Low Channel



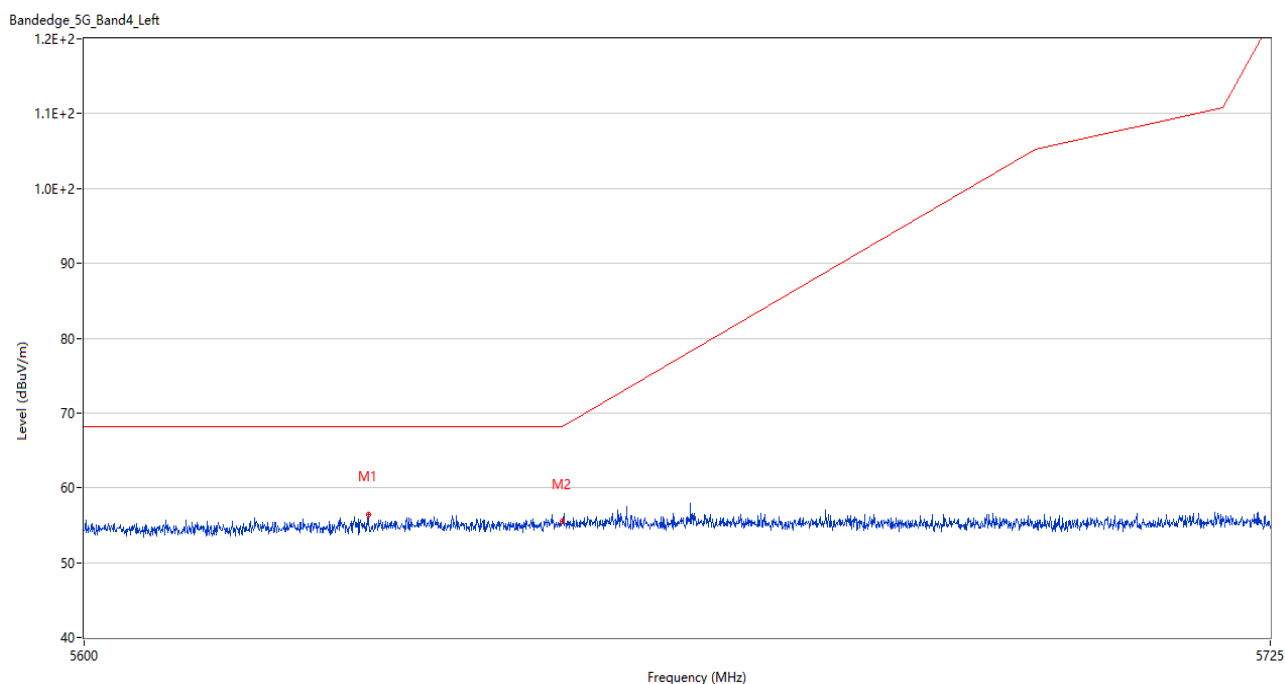
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5649.375	56.73	3.56	68.2	11.47	Peak	0.00	150	Vertical	Pass
2	5650.000	56.00	3.72	68.2	12.20	Peak	251.00	150	Vertical	Pass

U-NII-3 11ax40 (SU) High Channel



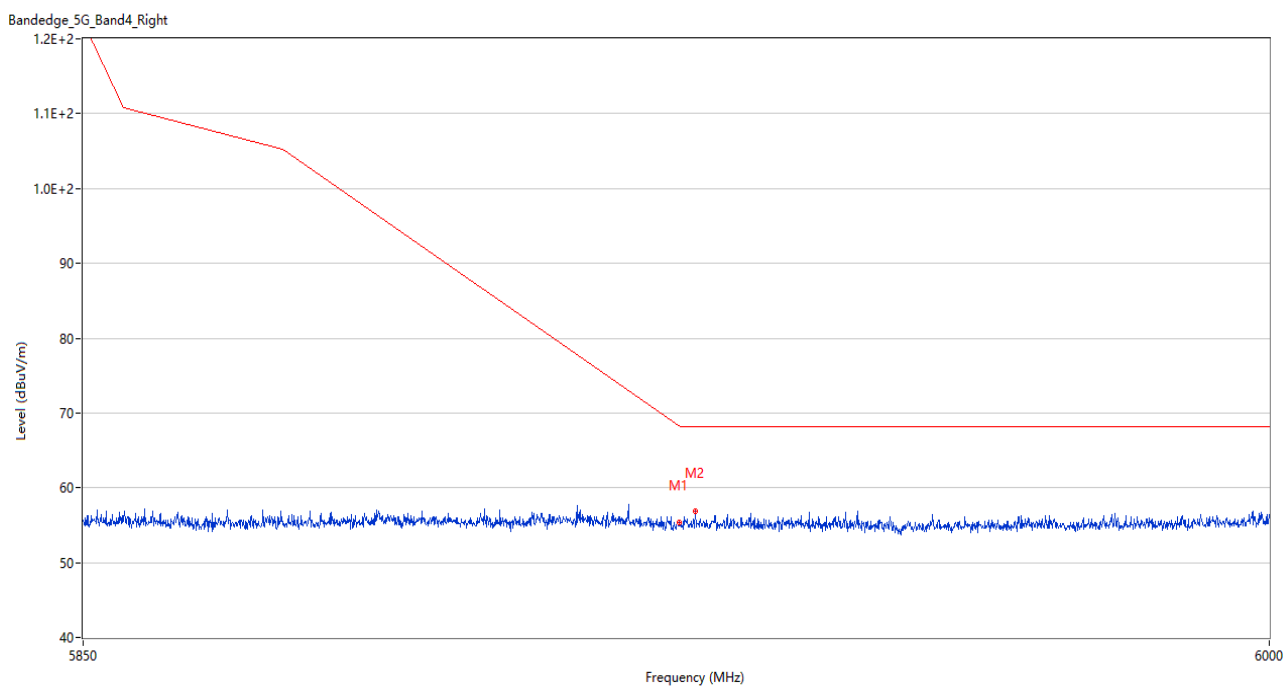
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	55.44	3.42	68.3	12.86	Peak	337.00	100	Vertical	Pass
2	5935.575	57.14	3.50	68.2	11.06	Peak	337.00	150	Vertical	Pass

U-NII-3 11ax80 (SU) Middle Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5629.687	56.49	3.49	68.2	11.71	Peak	234.00	100	Vertical	Pass
2	5650.000	55.51	3.72	68.2	12.69	Peak	171.00	200	Vertical	Pass

U-NII-3 11ax80 (SU) Middle Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	55.30	3.42	68.3	13.00	Peak	305.00	100	Vertical	Pass
2	5926.950	56.94	3.60	68.2	11.26	Peak	137.00	100	Vertical	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2420556-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2420556-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2420556-AI.PDF”.

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--END OF REPORT--