TEST REPORT

Applicant:	TCL Communication Ltd.
Address:	5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science Park, Shatin, NT, Hong Kong
Equipment Type:	Tablet PC
Model Name:	8183A
Brand Name:	TCL
FCC ID:	2ACCJB240
Test Standard:	47 CFR Part 15 Subpart E (refer to section 3.1)
Sample Arrival Date:	Apr. 03, 2025
Test Date:	Apr. 06, 2025 - May 23, 2025
Date of Issue:	Jun. 10, 2025

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

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

Revision History

Version	Issue Date	Revisions
Rev. 01	Jun. 10, 2025	Initial Issue

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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	TCL Communication Ltd.
Address	5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science Park, Shatin, NT, Hong Kong

2.2 Manufacturer Information

Manufacturer	TCL Communication Ltd.
Address	5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science Park, Shatin, NT, Hong Kong

2.3 General Description for Equipment under Test (EUT)

EUT Name	Tablet PC
Model Name Under Test	8183A
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	05
Software Version	7LS2
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/900/1800/1900 3G Network WCDMA/HSDPA/HSUPA Band 1/2/4/5/8 4G Network FDD LTE Band 1/2/3/4/5/7/8/12/13/17/20/26/28/66 TDD LTE Band 38/41 Bluetooth (BR+EDR+BLE) 2.4G WIFI 802.11b, 802.11g, 802.11n HT20, 802.11n HT40 5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80) FM receiver, GPS, GLONASS, BDS, Galileo

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

Frequency Range	U-NII-1: 5150 MHz to 5250 MHz, U-NII-2A: 5250 MHz to 5350 MHz, U-NII-2C: 5470 MHz to 5725 MHz, U-NII-3: 5725 MHz to 5850 MHz
Product Type	☐ Mobile ☒ Portable ☐ Fix Location
Modulation technology	OFDM
Modulation Type	256QAM, 64QAM, 16QAM, BPSK, QPSK
Transfer Rate (Mbps) (Single RF path)	802.11a: 54/ 48/ 36/ 24/ 18/ 12/ 9/ 6 Mbps 802.11n: up to 150 Mbps 802.11ac: up to VHT-MCS9
Channel Bandwidth	802.11a: 20 MHz 802.11n: 20 MHz, 40 MHz 802.11ac: 20 MHz, 40 MHz, 80 MHz
Maximum Output Power	U-NII-1: 59.27 mW U-NII-2A: 52.82 mW U-NII-2C: 62.21 mW U-NII-3: 59.96 mW
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	IFA Antenna
Antenna Gain	U-NII-1: 5150 MHz to 5250 MHz: -1.0 dBi U-NII-2A: 5250 MHz to 5350 MHz: -1.0 dBi U-NII-2C: 5470 MHz to 5725 MHz: -1.0 dBi U-NII-3: 5725 MHz to 5850 MHz: -1.0 dBi
About the Product	The equipment is Tablet PC, intended for used with information technology equipment.

Note: The above EUT information in section 2.4 was declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.

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**
44	**5220**	**46**	**5230**	**58**	**5290**
48	**5240**	**54**	**5270**	**106**	**5530**
52	**5260**	**62**	**5310**	**122**	**5610**
60	**5300**	**102**	**5510**	**138**	**5690**
64	**5320**	**118**	**5590**	**155**	**5775**
100	**5500**	**134**	**5670**		
116	**5580**	**142**	**5710**		
140	**5700**	**151**	**5755**		
144	**5720**	**159**	**5795**		
149	**5745**				
157	**5785**				
165	**5825**				

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

For 802.11a/n(HT20)/ac(VHT20)

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

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

For 802.11n(HT40)/ac(VHT40)

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

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

For 802.11ac(VHT80)

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

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

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

Test Items	Mode	Data Rate	Modulation Type	U-NII-1 Channel	U-NII-2A Channel	U-NII-2C Channel	U-NII-3 Channel
RF Output Power	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155
Emission Bandwidth & 99% Occupied Bandwidth	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155
6 dB bandwidth	11a	6	BPSK	N/A	N/A	N/A	165/157/149
	11n(20 MHz)	6.5		N/A	N/A	N/A	165/157/149
	11n(40 MHz)	13.5		N/A	N/A	N/A	159/151
	11ac(20 MHz)	6.5		N/A	N/A	N/A	165/157/149
	11ac(40 MHz)	13.5		N/A	N/A	N/A	159/151
	11ac(80 MHz)	29.3		N/A	N/A	N/A	155
Power Spectral Density	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155
Radiated Spurious Emissions	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155
Band Edge (Restricted-band)	11a	6	BPSK	48/36	64/52	140/100	165/149
	11n(20 MHz)	6.5		48/36	64/52	140/100	165/149
	11n(40 MHz)	13.5		46/38	62/54	134/102	159/151
	11ac(20 MHz)	6.5		48/36	64/52	140/100	165/149
	11ac(40 MHz)	13.5		46/38	62/54	134/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15 Subpart E	Unlicensed National Information Infrastructure Devices
2	KDB Publication 789033 D02v02r01	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
3	ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices

3.2 Test Verdict

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

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

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

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

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

Relative Humidity	52% to 58%	
Atmospheric Pressure	100 kPa to 101 kPa	
Temperature	NT (Normal Temperature)	+21.5℃ to +24.3℃
Working Voltage of the EUT	NV (Normal Voltage)	3.85V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	KEYSIGHT	N9020A	MY46471071	2024.07.04	2025.07.03
Spectrum Analyzer	KEYSIGHT	N9020A	MY50531259	2024.08.01	2025.07.31
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	2460	2024.05.16	2027.05.15
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2024.06.15	2027.06.14
Anechoic Chamber	RAINFORD	9m*6m*6m	140	2024.07.28	2026.07.27
Amplifier	COM-MV	LSCX_LNA1-12G-01	7210214	2024.08.01	2025.07.31
Amplifier	COM-MV	XKu_LNA7-18G-01	7210209	2024.08.01	2025.07.31
Amplifier	COM-MV	KA LNA18 40G-01	18050001	2024.12.05	2025.12.04
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2024.08.01	2025.07.31
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2024.01.23	2027.01.22
Amplifier	COM-MV	ZT30-1000M	B2017119082	2024.11.28	2025.11.27
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60*7.35m	130	2024.07.13	2027.07.12
EMI Receiver	KEYSIGHT	N9038A	MY53220118	2024.08.01	2025.07.31
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9163	9163-624	2024.07.06	2026.07.05
Anechoic Chamber	RAINFORD	9m*6m*6m	101	2023.03.04	2026.03.03
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2024.08.01	2025.07.31
LISN	SCHWARZBECK	NSLK 8127	8127-687	2024.05.09	2025.05.08
				2025.04.29	2026.04.28
Shielded Enclosure	YiHeng Electronic Co., Ltd	3.5m*3.1m*2.8m	112	2025.02.14	2028.02.13

4.3 Test Software List

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

4.4 Measurement Uncertainty

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

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

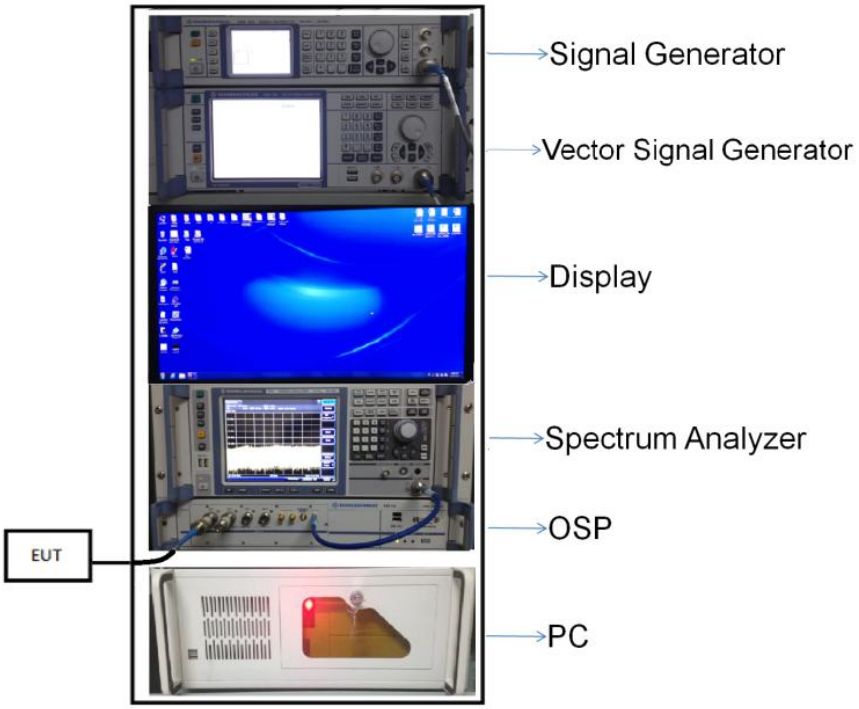
Parameters	Uncertainty
Occupied Channel Bandwidth	2.8%
RF output power, conducted	1.28 dB
Power Spectral Density, conducted	1.30 dB
Unwanted Emissions, conducted	1.84 dB
All emissions, radiated	5.36 dB
Temperature	0.8°C
Humidity	4%

4.5 Description of Test Setup

4.5.1 For Antenna Port Test

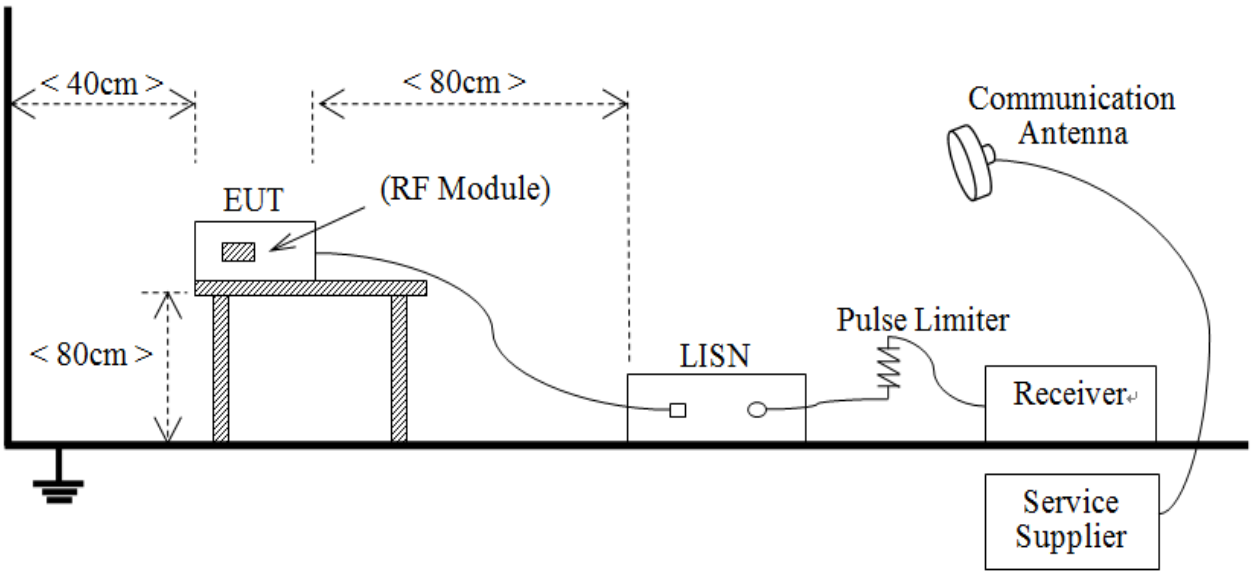
Conducted value (dBm) = Measurement value (dBm) + cable loss (dB)

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



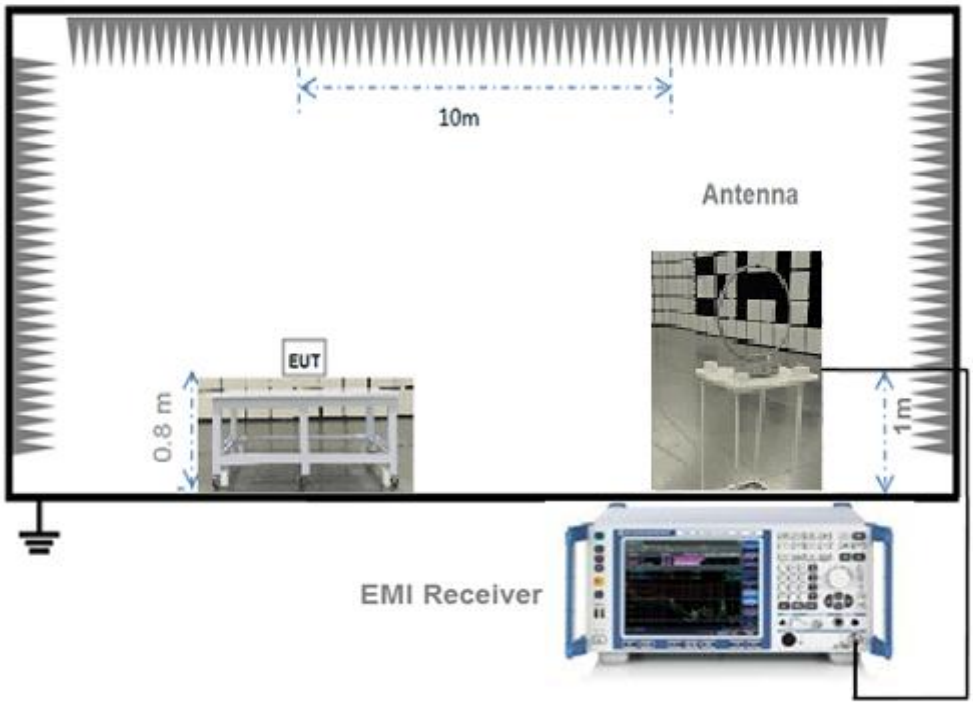
(Diagram 1)

4.5.2 For AC Power Supply Port Test



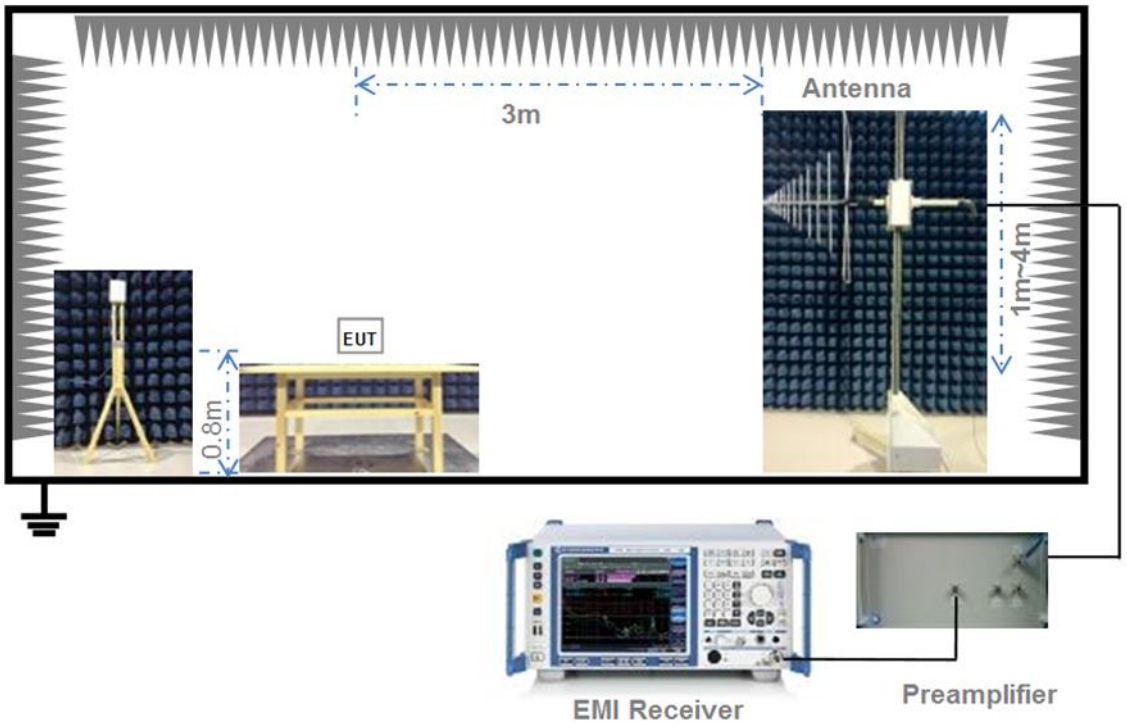
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



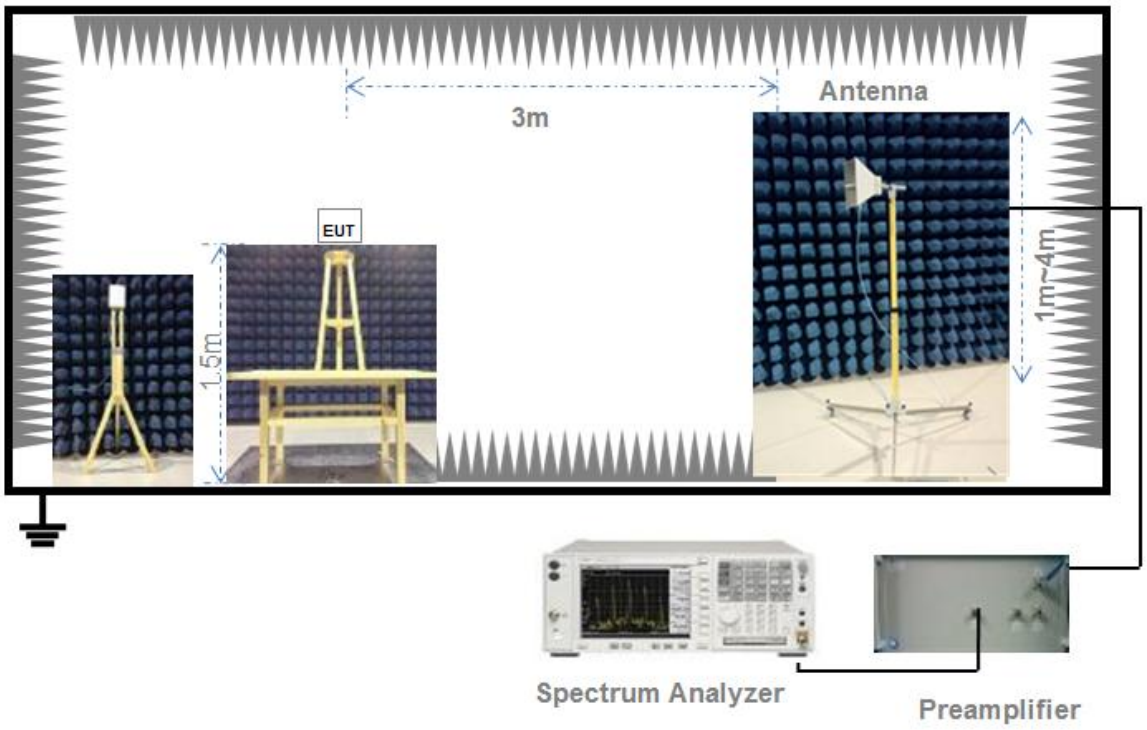
(Diagram 3)

4.5.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.5.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

5 TEST ITEMS

5.1 RF Output Power

5.1.1 Test Limit

FCC §15.407(a)

The maximum conducted output power should not exceed:

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

5.1.2 Test Setup

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

5.1.3 Test Procedure

Maximum conducted (average) output power

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

1) The EUT is configured to transmit continuously or to transmit with a constant duty cycle.

2) At all times when the EUT is transmitting, it shall be transmitting at its maximum power control level.

3) The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.

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

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

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

Measurements of duty cycle

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

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

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

Set VBW ≥ RBW. Set detector = peak or average.

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

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

5.1.4 Test Result

Please refer to ANNEX A.1.

5.2 Emission Bandwidth and 6 dB Bandwidth

5.2.1 Limit

FCC §15.407(a)

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

5.2.2 Test Setup

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

5.2.3 Test Procedure

Emission bandwidth

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

2. Set VBW ≥ 3*RBW,

3. Detector = Peak.

4. Trace mode = Max hold.

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

Occupied Bandwidth

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

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

3. Set VBW ≥ 3*RBW, Detector = Peak.

4. Trace mode = Max hold.

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

6 dB bandwidth

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

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

3. Allow the trace to stabilize.

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

5.2.4 Test Result

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

5.3 Power Spectral density (PSD)

5.3.1 Limit

FCC §15.407(a)

The maximum power spectral density should not exceed:

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

5.3.2 Test Setup

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

5.3.3 Test Procedure

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

5.3.4 Test Result

Please refer to ANNEX A.4.

5.4 Conducted Emission

5.4.1 Limit

FCC §15.207

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

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

5.4.2 Test Setup

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

5.4.3 Test Procedure

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

5.4.4 Test Result

Please refer to ANNEX A.5.

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

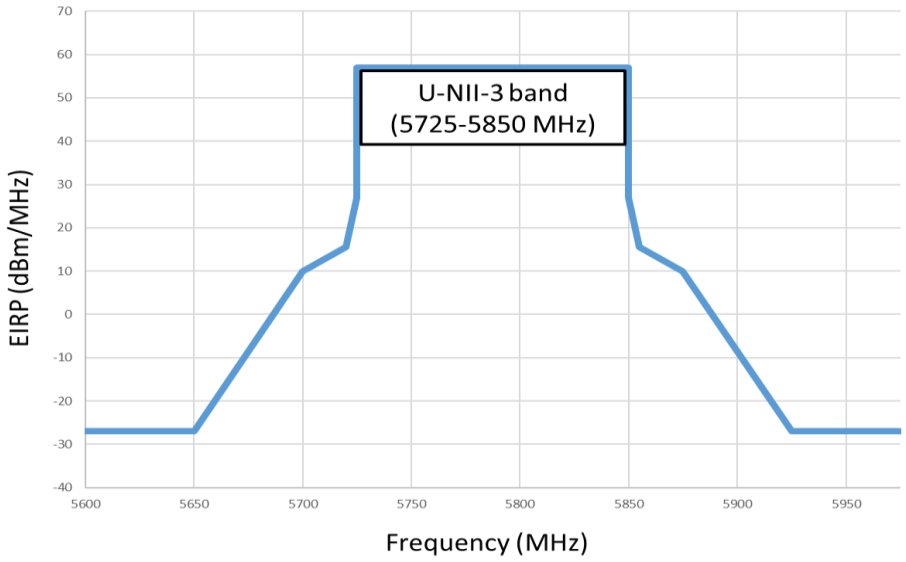
5.5.1 Limit

FCC §15.209 & 15.407(b)

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

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

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

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

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

5.5.2 Test Setup

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

5.5.3 Test Procedure

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

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

General Procedure for conducted measurements in restricted bands

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

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

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

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

E = EIRP – 20log D + 104.8

where:

E = electric field strength in dBμV/m,

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

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

f) Perform radiated spurious emission test.

Quasi-Peak measurement procedure

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

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

emission limits using a peak detector.

Peak power measurement procedure

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

a) RBW = as specified in Table 1.

b) VBW ≥ 3 x RBW.

c) Detector = Peak.

d) Sweep time = auto.

e) Trace mode = max hold.

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

Table 1—RBW as a function of frequency

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

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

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

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

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

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

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

d) VBW ≥ 3 x RBW.

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

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

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

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

g) Sweep time = auto.

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

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

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

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

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

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

Determining the applicable transmit antenna gain

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

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

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

Radiated spurious emission test

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

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

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

The power of the EUT transmitting frequency should be ignored.

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

Use the following spectrum analyzer settings:

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

5.5.4 Test Result

Please refer to ANNEX A.6.

ANNEX A TEST RESULT

A.1 RF Output Power

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

Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle	Duty Factor
11a	1.39	1.44	96.87%	0.14
11n(HT20)/11ac(VHT20)	1.31	1.36	96.76%	0.14
11n(HT40)/11ac(VHT40)	0.65	0.70	93.42%	0.30
11ac(VHT80)	1.31	1.36	96.76%	0.14

Test Data

Conducted Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	17.73	59.27	250	Pass
11a	CH44	17.28	53.44	250	Pass
11a	CH48	17.25	53.07	250	Pass
11n(HT20)	CH36	16.63	46.06	250	Pass
11n(HT20)	CH44	16.51	44.80	250	Pass
11n(HT20)	CH48	16.60	45.74	250	Pass
11n(HT40)	CH38	16.42	43.81	250	Pass
11n(HT40)	CH46	16.37	43.31	250	Pass
11ac(VHT20)	CH36	16.17	41.43	250	Pass
11ac(VHT20)	CH44	16.13	41.05	250	Pass
11ac(VHT20)	CH48	16.11	40.86	250	Pass
11ac(VHT40)	CH38	16.34	43.01	250	Pass
11ac(VHT40)	CH46	16.17	41.36	250	Pass
11ac(VHT80)	CH42	16.29	42.53	250	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH52	17.12	51.50	250	Pass
11a	CH60	17.10	51.27	250	Pass
11a	CH64	17.23	52.82	250	Pass
11n(HT20)	CH52	16.57	45.43	250	Pass
11n(HT20)	CH60	16.63	46.06	250	Pass
11n(HT20)	CH64	16.76	47.46	250	Pass
11n(HT40)	CH54	16.21	41.74	250	Pass
11n(HT40)	CH62	16.20	41.64	250	Pass
11ac(VHT20)	CH52	16.70	46.81	250	Pass
11ac(VHT20)	CH60	16.87	48.68	250	Pass
11ac(VHT20)	CH64	16.86	48.57	250	Pass
11ac(VHT40)	CH54	16.75	43.01	250	Pass
11ac(VHT40)	CH62	16.71	41.36	250	Pass
11ac(VHT80)	CH58	16.99	49.97	250	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH100	17.93	62.06	250	Pass
11a	CH116	17.94	62.21	250	Pass
11a	CH140	15.44	34.98	250	Pass
11n(HT20)	CH100	17.12	51.56	250	Pass
11n(HT20)	CH116	17.26	53.25	250	Pass
11n(HT20)	CH140	15.26	33.60	250	Pass
11n(HT40)	CH102	15.60	36.27	250	Pass
11n(HT40)	CH118	16.90	48.93	250	Pass
11n(HT40)	CH134	16.53	44.93	250	Pass
11ac(VHT20)	CH100	16.73	47.13	250	Pass
11ac(VHT20)	CH116	16.85	48.45	250	Pass
11ac(VHT20)	CH140	16.64	46.17	250	Pass
11ac(VHT40)	CH102	16.77	51.27	250	Pass
11ac(VHT40)	CH118	16.81	52.82	250	Pass
11ac(VHT40)	CH134	16.57	45.35	250	Pass
11ac(VHT80)	CH106	14.94	31.17	250	Pass
11ac(VHT80)	CH122	16.74	47.17	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	17.65	58.19	1000	Pass
11a	CH157	17.77	59.82	1000	Pass
11a	CH165	17.78	59.96	1000	Pass
11n(HT20)	CH149	17.06	50.85	1000	Pass
11n(HT20)	CH157	17.17	52.16	1000	Pass
11n(HT20)	CH165	17.34	54.24	1000	Pass
11n(HT40)	CH151	16.68	46.51	1000	Pass
11n(HT40)	CH159	16.73	47.05	1000	Pass
11ac(VHT20)	CH149	16.71	46.92	1000	Pass
11ac(VHT20)	CH157	16.55	45.22	1000	Pass
11ac(VHT20)	CH165	16.60	45.74	1000	Pass
11ac(VHT40)	CH151	16.59	45.56	1000	Pass
11ac(VHT40)	CH159	16.69	46.62	1000	Pass
11ac(VHT80)	CH155	16.70	46.74	1000	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ2531395-604 Data Part 1.pdf”.

Test Data

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	27.37	16.71
11a	CH44	25.61	16.65
11a	CH48	24.09	16.63
11n(HT20)	CH36	22.40	17.69
11n(HT20)	CH44	24.17	17.68
11n(HT20)	CH48	22.90	17.69
11n(HT40)	CH38	41.03	36.14
11n(HT40)	CH46	52.75	36.20
11ac(VHT20)	CH36	21.45	17.65
11ac(VHT20)	CH44	22.10	17.63
11ac(VHT20)	CH48	22.58	17.69
11ac(VHT40)	CH38	40.49	36.05
11ac(VHT40)	CH46	40.57	36.08
11ac(VHT80)	CH42	91.65	75.24

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	26.02	16.73
11a	CH60	24.23	16.58
11a	CH64	26.10	16.63
11n(HT20)	CH52	22.97	17.73
11n(HT20)	CH60	20.90	17.67
11n(HT20)	CH64	20.98	17.64
11n(HT40)	CH54	51.64	36.22
11n(HT40)	CH62	42.10	36.24
11ac(VHT20)	CH52	20.34	17.64
11ac(VHT20)	CH60	20.61	17.61
11ac(VHT20)	CH64	22.92	17.63
11ac(VHT40)	CH54	40.83	36.16
11ac(VHT40)	CH62	41.63	36.14
11ac(VHT80)	CH58	112.70	75.68

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	24.49	16.67
11a	CH116	22.43	16.64
11a	CH140	22.23	16.63
11n(HT20)	CH100	24.53	17.76
11n(HT20)	CH116	22.06	17.69
11n(HT20)	CH140	24.14	17.70
11n(HT40)	CH102	50.01	36.21
11n(HT40)	CH118	60.94	36.23
11n(HT40)	CH134	45.29	36.20
11ac(VHT20)	CH100	21.74	17.67
11ac(VHT20)	CH116	20.30	17.62
11ac(VHT20)	CH140	21.58	17.64
11ac(VHT40)	CH102	43.19	36.13
11ac(VHT40)	CH118	41.06	36.12
11ac(VHT40)	CH134	41.29	36.09
11ac(VHT80)	CH106	104.90	75.60
11ac(VHT80)	CH122	109.90	75.53

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	22.41	16.60
11a	CH157	23.04	16.64
11a	CH165	24.75	16.62
11n(HT20)	CH149	24.53	17.68
11n(HT20)	CH157	23.72	17.68
11n(HT20)	CH165	22.71	17.68
11n(HT40)	CH151	43.16	36.09
11n(HT40)	CH159	43.37	36.13
11ac(VHT20)	CH149	24.26	17.66
11ac(VHT20)	CH157	23.30	17.72
11ac(VHT20)	CH165	24.29	17.67
11ac(VHT40)	CH151	47.92	36.12
11ac(VHT40)	CH159	48.50	36.14
11ac(VHT80)	CH155	123.50	75.60

A.3 6 dB Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ2531395-604 Data Part 2.pdf”.

Test Data

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	14.00	500.00	Pass
11a	CH157	15.30	500.00	Pass
11a	CH165	15.30	500.00	Pass
11n(HT20)	CH149	15.40	500.00	Pass
11n(HT20)	CH157	15.30	500.00	Pass
11n(HT20)	CH165	15.20	500.00	Pass
11n(HT40)	CH151	35.30	500.00	Pass
11n(HT40)	CH159	35.30	500.00	Pass
11ac(VHT20)	CH149	15.30	500.00	Pass
11ac(VHT20)	CH157	15.30	500.00	Pass
11ac(VHT20)	CH165	14.00	500.00	Pass
11ac(VHT40)	CH151	35.20	500.00	Pass
11ac(VHT40)	CH159	35.30	500.00	Pass
11ac(VHT80)	CH155	75.30	500.00	Pass

A.4 Power Spectral Density

Note 1: Test plots please refer to the document “Annex No.: BL-SZ2531395-604 Data Part 3.pdf”.

Test Data

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH36	6.51	11.00	Pass
11a	CH44	6.36	11.00	Pass
11a	CH48	6.06	11.00	Pass
11n(HT20)	CH36	5.59	11.00	Pass
11n(HT20)	CH44	6.09	11.00	Pass
11n(HT20)	CH48	5.46	11.00	Pass
11n(HT40)	CH38	2.35	11.00	Pass
11n(HT40)	CH46	2.71	11.00	Pass
11ac(VHT20)	CH36	5.20	11.00	Pass
11ac(VHT20)	CH44	5.69	11.00	Pass
11ac(VHT20)	CH48	5.19	11.00	Pass
11ac(VHT40)	CH38	2.38	11.00	Pass
11ac(VHT40)	CH46	2.54	11.00	Pass
11ac(VHT80)	CH42	-0.39	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH52	6.26	11.00	Pass
11a	CH60	5.53	11.00	Pass
11a	CH64	5.36	11.00	Pass
11n(HT20)	CH52	5.09	11.00	Pass
11n(HT20)	CH60	4.33	11.00	Pass
11n(HT20)	CH64	4.69	11.00	Pass
11n(HT40)	CH54	1.23	11.00	Pass
11n(HT40)	CH62	1.20	11.00	Pass
11ac(VHT20)	CH52	4.22	11.00	Pass
11ac(VHT20)	CH60	4.14	11.00	Pass
11ac(VHT20)	CH64	4.29	11.00	Pass
11ac(VHT40)	CH54	1.40	11.00	Pass
11ac(VHT40)	CH62	1.11	11.00	Pass
11ac(VHT80)	CH58	-1.98	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH100	5.81	11.00	Pass
11a	CH116	6.38	11.00	Pass
11a	CH140	6.50	11.00	Pass
11n(HT20)	CH100	5.08	11.00	Pass
11n(HT20)	CH116	5.45	11.00	Pass
11n(HT20)	CH140	5.83	11.00	Pass
11n(HT40)	CH102	1.45	11.00	Pass
11n(HT40)	CH118	2.02	11.00	Pass
11n(HT40)	CH134	2.48	11.00	Pass
11ac(VHT20)	CH100	4.63	11.00	Pass
11ac(VHT20)	CH116	4.98	11.00	Pass
11ac(VHT20)	CH140	5.22	11.00	Pass
11ac(VHT40)	CH102	1.58	11.00	Pass
11ac(VHT40)	CH118	1.94	11.00	Pass
11ac(VHT40)	CH134	2.23	11.00	Pass
11ac(VHT80)	CH106	-1.66	11.00	Pass
11ac(VHT80)	CH122	-0.80	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	4.47	30.00	Pass
11a	CH157	4.63	30.00	Pass
11a	CH165	4.43	30.00	Pass
11n(HT20)	CH149	3.77	30.00	Pass
11n(HT20)	CH157	3.62	30.00	Pass
11n(HT20)	CH165	3.65	30.00	Pass
11n(HT40)	CH151	0.24	30.00	Pass
11n(HT40)	CH159	0.65	30.00	Pass
11ac(VHT20)	CH149	3.76	30.00	Pass
11ac(VHT20)	CH157	3.80	30.00	Pass
11ac(VHT20)	CH165	3.47	30.00	Pass
11ac(VHT40)	CH151	0.66	30.00	Pass
11ac(VHT40)	CH159	0.69	30.00	Pass
11ac(VHT80)	CH155	-1.98	30.00	Pass

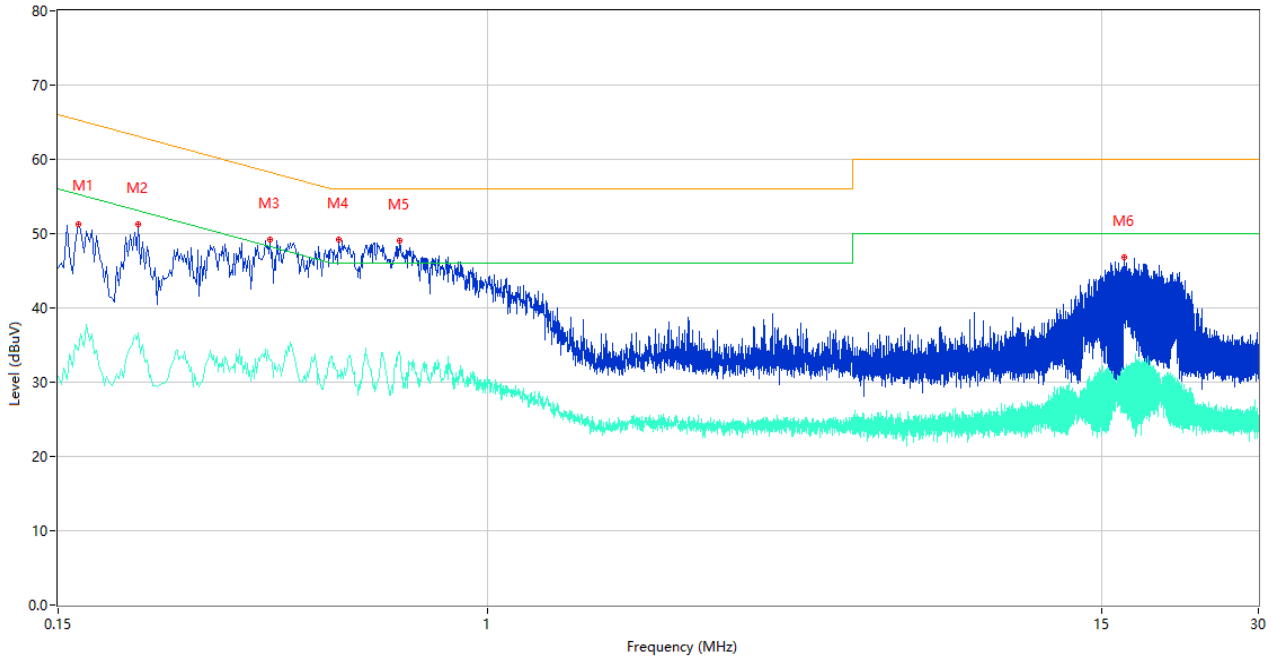
A.5 Conducted Emissions

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

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

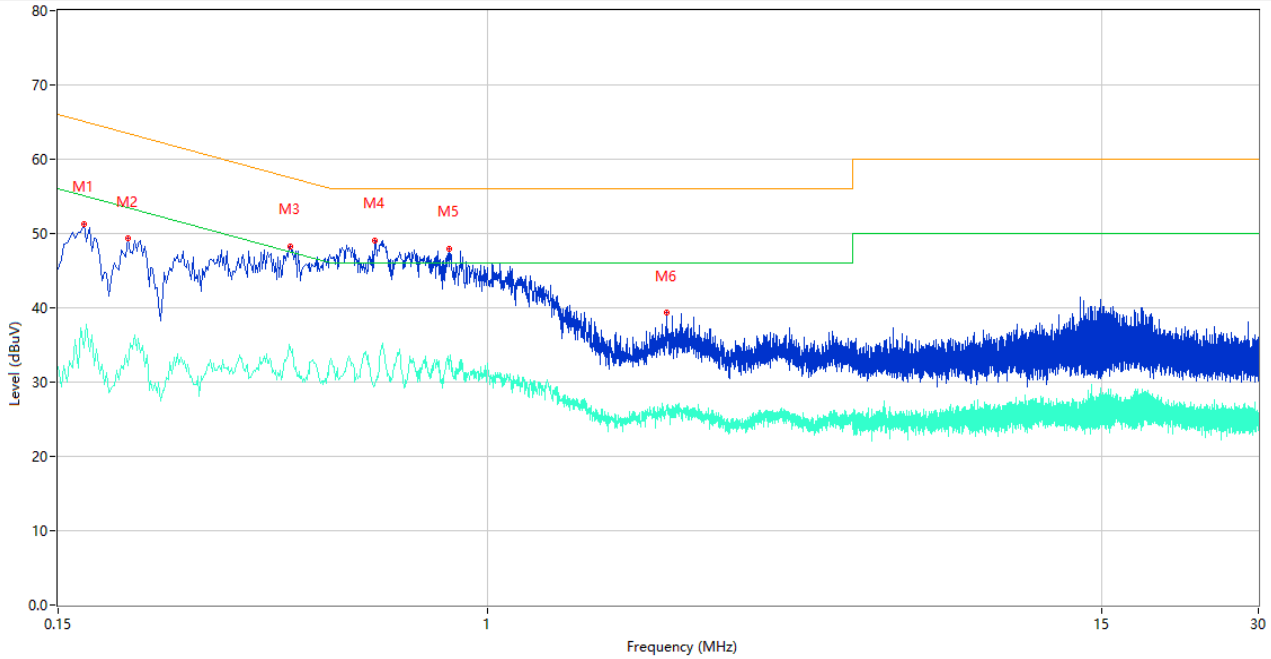
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.164	51.21	9.83	65.26	14.05	Peak	L	Pass
1**	0.164	34.25	9.83	55.26	21.01	AV	L	Pass
2	0.214	51.26	9.83	63.05	11.79	Peak	L	Pass
2**	0.214	36.71	9.83	53.05	16.34	AV	L	Pass
3	0.382	49.15	10.67	58.24	9.09	Peak	L	Pass
3**	0.382	33.07	10.67	48.24	15.17	AV	L	Pass
4	0.518	49.15	10.01	56.00	6.85	Peak	L	Pass
4**	0.518	30.99	10.01	46.00	15.01	AV	L	Pass
5	0.676	49.04	10.45	56.00	6.96	Peak	L	Pass
5**	0.676	34.17	10.45	46.00	11.83	AV	L	Pass
6	16.566	46.77	10.86	60.00	13.23	Peak	L	Pass
6**	16.566	28.01	10.86	50.00	21.99	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.168	51.31	9.83	65.06	13.75	Peak	N	Pass
1**	0.168	34.61	9.83	55.06	20.45	AV	N	Pass
2	0.204	49.30	9.83	63.45	14.15	Peak	N	Pass
2**	0.204	32.21	9.83	53.45	21.24	AV	N	Pass
3	0.418	48.27	10.39	57.49	9.22	Peak	N	Pass
3**	0.418	34.66	10.39	47.49	12.83	AV	N	Pass
4	0.606	49.05	10.18	56.00	6.95	Peak	N	Pass
4**	0.606	29.52	10.18	46.00	16.48	AV	N	Pass
5	0.842	47.98	10.61	56.00	8.02	Peak	N	Pass
5**	0.842	33.04	10.61	46.00	12.96	AV	N	Pass
6	2.198	39.36	10.03	56.00	16.64	Peak	N	Pass
6**	2.198	26.25	10.03	46.00	19.75	AV	N	Pass

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

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

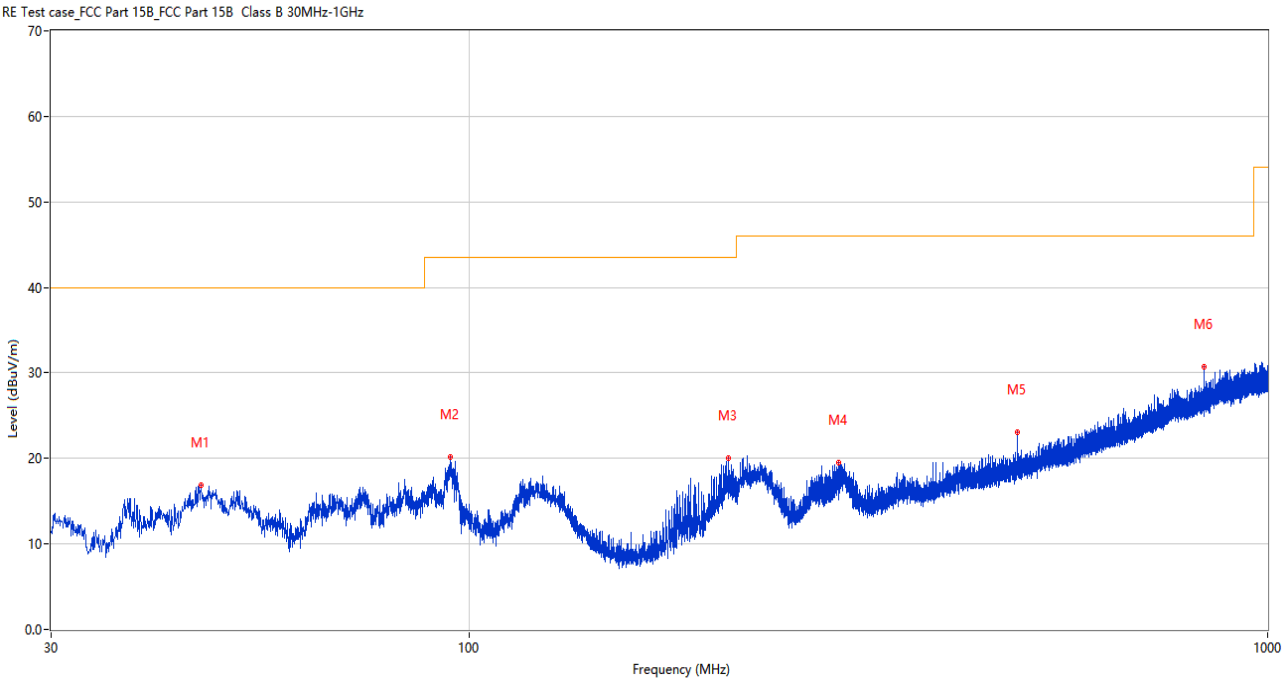
Note [2]: For the test data above 1 GHz，According the ANSI C63.4, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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

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

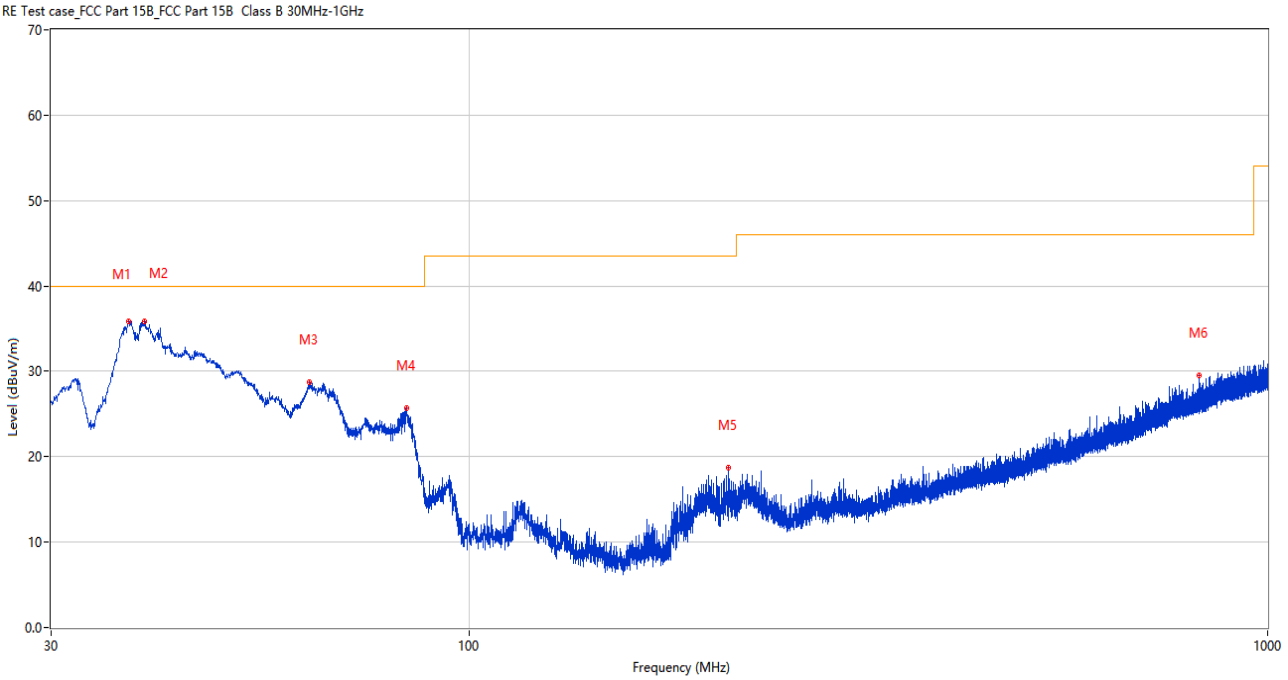
Test Data and Plots

30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	46.199	16.86	-25.13	40.0	23.14	Peak	259.00	100	Horizontal	Pass
2	94.941	20.15	-27.41	43.5	23.35	Peak	135.00	200	Horizontal	Pass
3	211.584	20.08	-26.42	43.5	23.42	Peak	215.00	100	Horizontal	Pass
4	290.687	19.45	-23.46	46.0	26.55	Peak	90.00	100	Horizontal	Pass
5	486.046	23.05	-18.60	46.0	22.95	Peak	46.00	200	Horizontal	Pass
6	831.608	30.72	-10.50	46.0	15.28	Peak	155.00	100	Horizontal	Pass

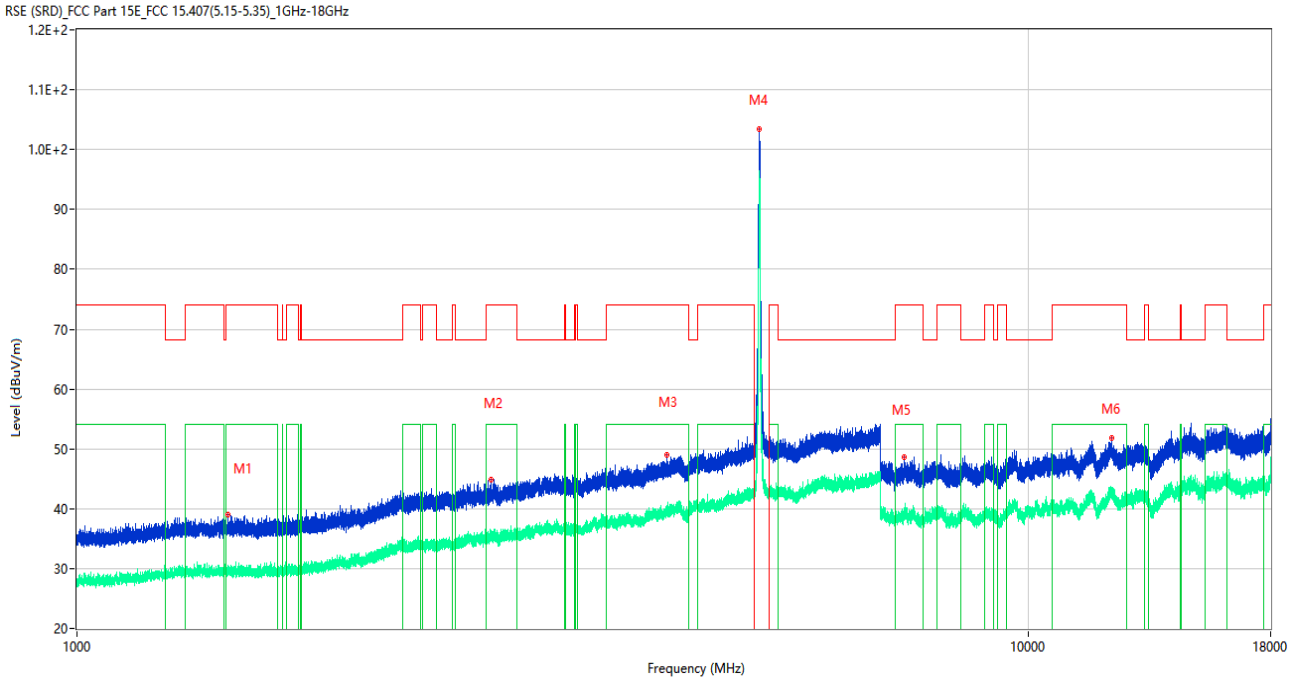
30 MHz to 1 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	37.517	35.81	-26.90	40.0	4.19	Peak	200.00	100	Vertical	Pass
2	39.215	35.86	-26.81	40.0	4.14	Peak	121.00	100	Vertical	Pass
3	63.077	28.75	-26.60	40.0	11.25	Peak	90.00	100	Vertical	Pass
4	83.495	25.74	-30.02	40.0	14.26	Peak	257.00	100	Vertical	Pass
5	211.439	18.66	-26.37	43.5	24.84	Peak	336.00	100	Vertical	Pass
6	820.647	29.49	-10.43	46.0	16.51	Peak	29.00	100	Vertical	Pass

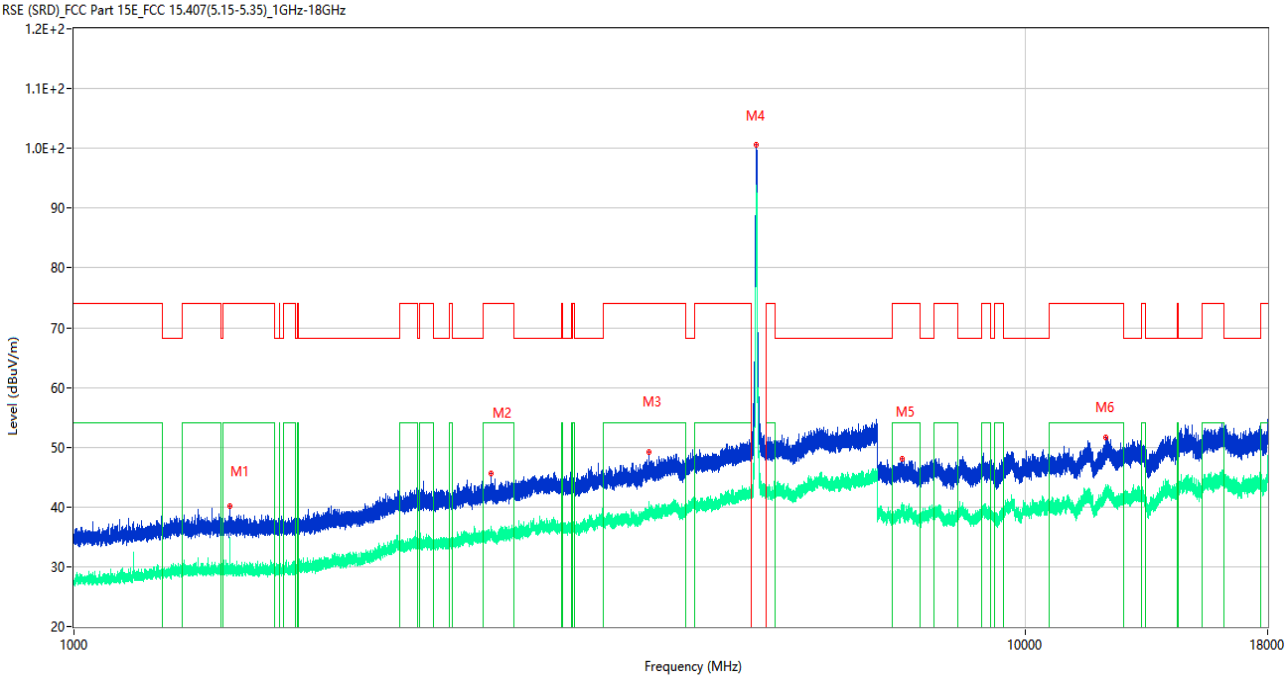
Note: The spurious above 18G is noise only, do not show on the report.

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



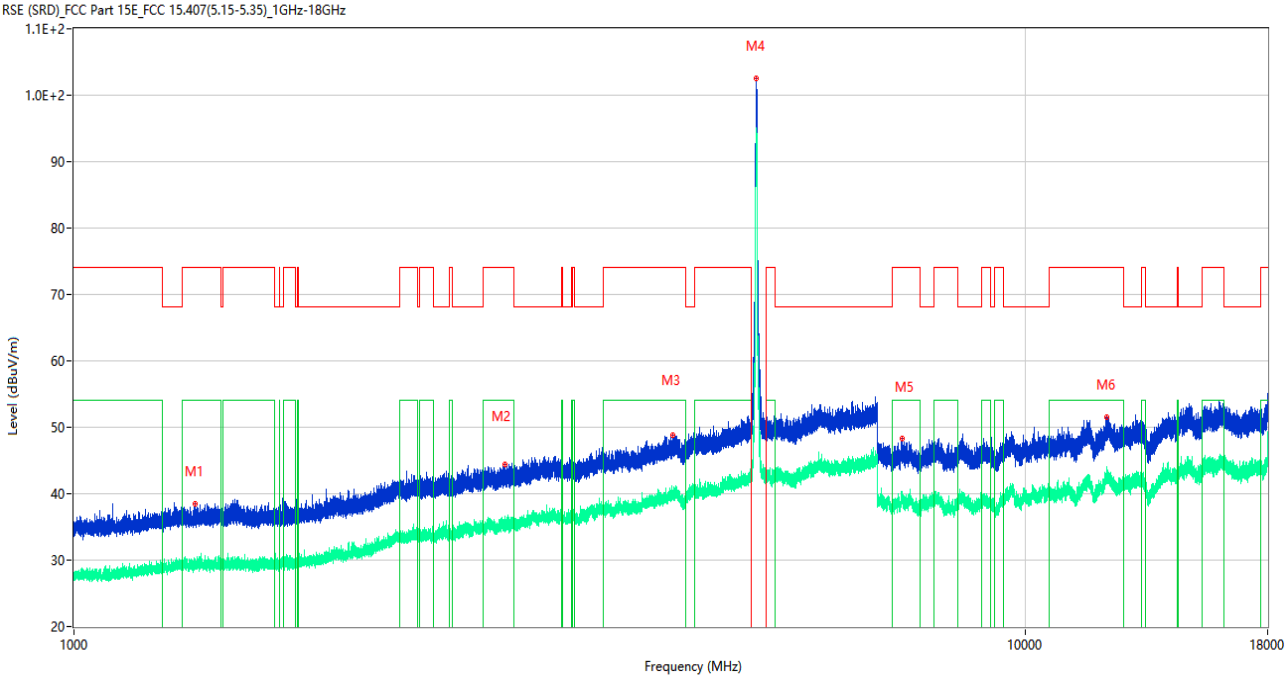
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1441.600	39.08	74.0	34.92	Peak	204.00	200	Horizontal	Pass
1**	1441.600	30.49	54.0	23.51	AV	204.00	200	Horizontal	Pass
2	2726.400	44.83	74.0	29.17	Peak	117.00	200	Horizontal	Pass
2**	2726.400	35.56	54.0	18.44	AV	117.00	200	Horizontal	Pass
3	4172.800	48.91	74.0	25.09	Peak	358.00	100	Horizontal	Pass
3**	4172.800	40.56	54.0	13.44	AV	358.00	100	Horizontal	Pass
4	5221.800	103.42	--	--	Peak	315.00	400	Horizontal	N/A
4**	5221.800	95.59	--	--	AV	315.00	400	Horizontal	N/A
5	7420.038	48.65	74.0	25.35	Peak	99.00	150	Horizontal	Pass
5**	7420.038	39.92	54.0	14.08	AV	99.00	150	Horizontal	Pass
6	12251.187	51.79	74.0	22.21	Peak	1.00	100	Horizontal	Pass
6**	12251.187	42.29	54.0	11.71	AV	1.00	100	Horizontal	Pass

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



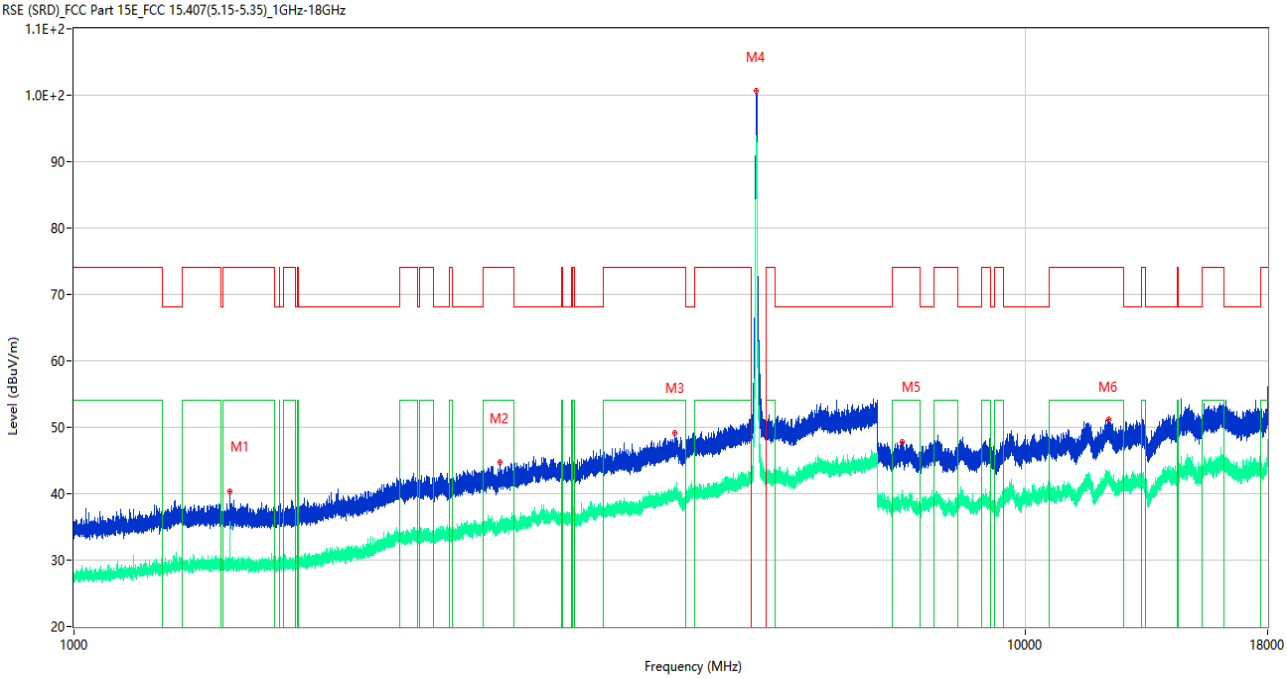
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1458.300	40.12	74.0	33.88	Peak	196.00	100	Vertical	Pass
1**	1458.300	34.74	54.0	19.26	AV	196.00	100	Vertical	Pass
2	2743.800	45.66	74.0	28.34	Peak	360.00	200	Vertical	Pass
2**	2743.800	35.71	54.0	18.29	AV	360.00	200	Vertical	Pass
3	4028.600	49.28	74.0	24.72	Peak	303.00	100	Vertical	Pass
3**	4028.600	38.08	54.0	15.92	AV	303.00	100	Vertical	Pass
4	5217.600	100.53	--	--	Peak	131.00	200	Vertical	N/A
4**	5217.600	93.47	--	--	AV	131.00	200	Vertical	N/A
5	7437.862	48.00	74.0	26.00	Peak	170.00	150	Vertical	Pass
5**	7437.862	38.77	54.0	15.23	AV	170.00	150	Vertical	Pass
6	12149.701	51.71	74.0	22.29	Peak	33.00	300	Vertical	Pass
6**	12149.701	42.24	54.0	11.76	AV	33.00	300	Vertical	Pass

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



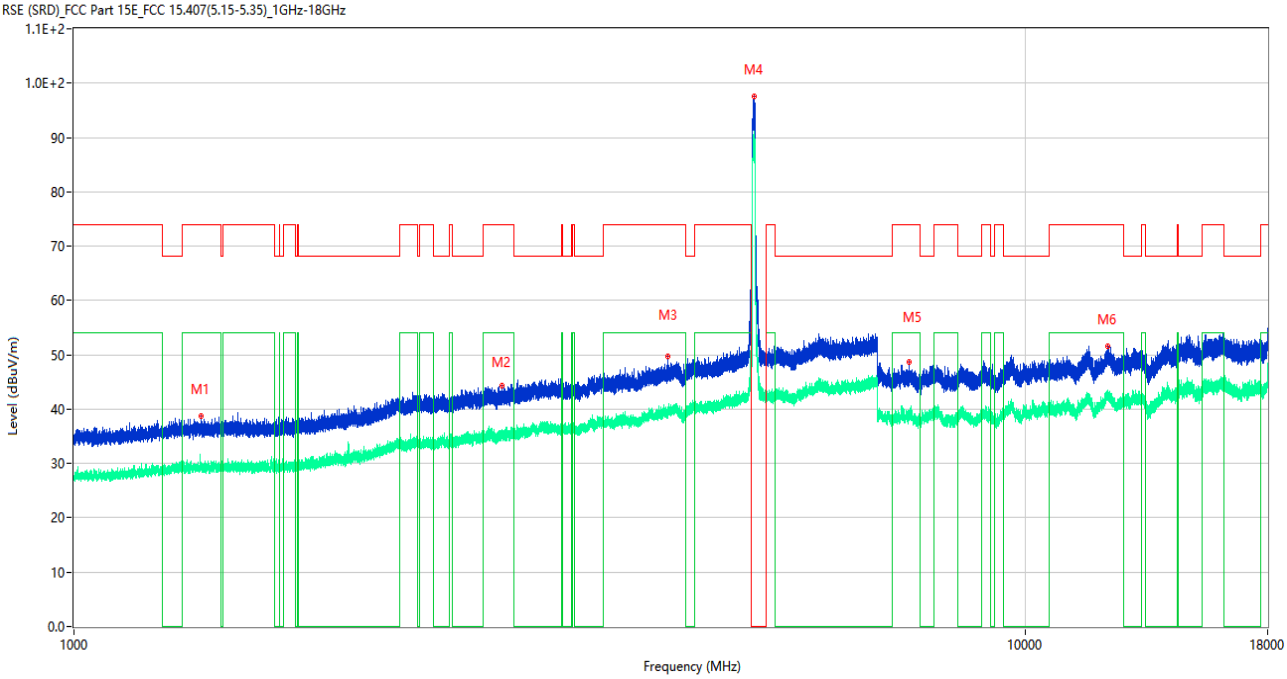
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1339.700	38.47	74.0	35.53	Peak	232.00	400	Horizontal	Pass
1**	1339.700	30.21	54.0	23.79	AV	232.00	400	Horizontal	Pass
2	2838.500	44.45	74.0	29.55	Peak	357.00	100	Horizontal	Pass
2**	2838.500	35.68	54.0	18.32	AV	357.00	100	Horizontal	Pass
3	4260.400	48.76	74.0	25.24	Peak	251.00	200	Horizontal	Pass
3**	4260.400	40.16	54.0	13.84	AV	251.00	200	Horizontal	Pass
4	5218.200	102.46	--	--	Peak	313.00	100	Horizontal	N/A
4**	5218.200	94.70	--	--	AV	313.00	100	Horizontal	N/A
5	7426.075	48.28	74.0	25.72	Peak	360.00	150	Horizontal	Pass
5**	7426.075	39.54	54.0	14.46	AV	360.00	150	Horizontal	Pass
6	12178.450	51.46	74.0	22.54	Peak	334.00	100	Horizontal	Pass
6**	12178.450	42.89	54.0	11.11	AV	334.00	100	Horizontal	Pass

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



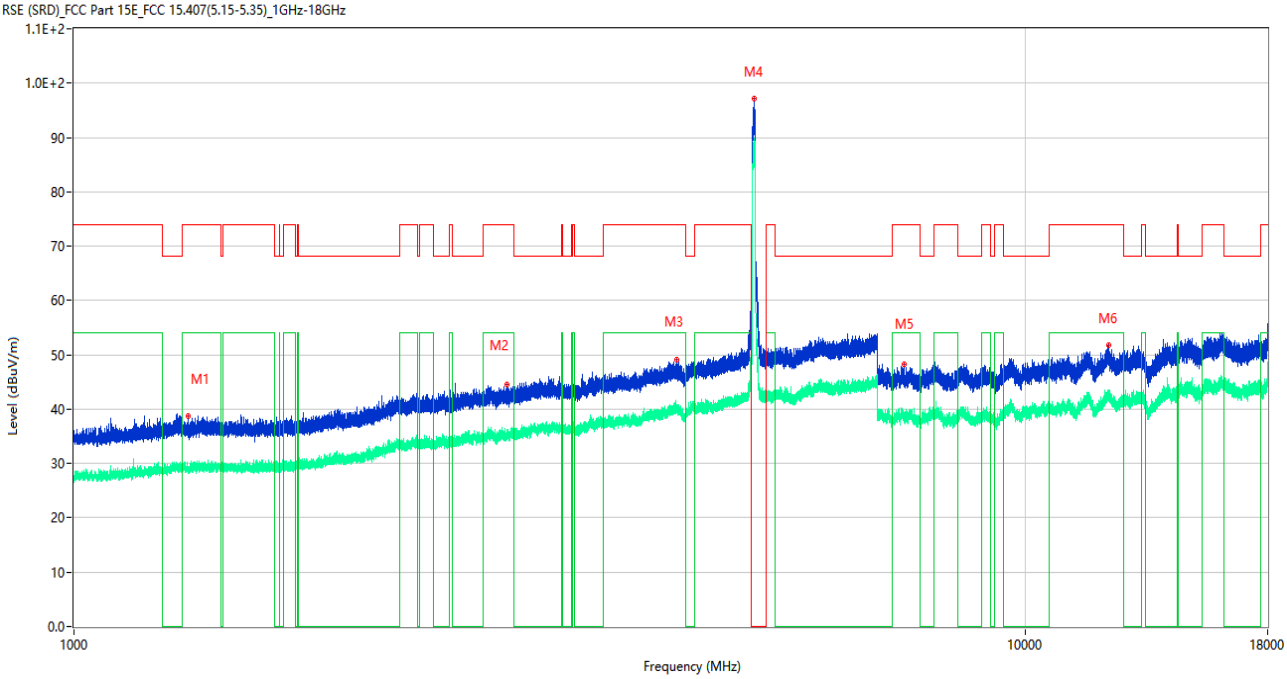
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1457.900	40.33	74.0	33.67	Peak	196.00	150	Vertical	Pass
1**	1457.900	33.60	54.0	20.40	AV	196.00	150	Vertical	Pass
2	2802.300	44.81	74.0	29.19	Peak	99.00	400	Vertical	Pass
2**	2802.300	34.92	54.0	19.08	AV	99.00	400	Vertical	Pass
3	4282.800	49.07	74.0	24.93	Peak	225.00	100	Vertical	Pass
3**	4282.800	39.70	54.0	14.30	AV	225.00	100	Vertical	Pass
4	5221.800	100.73	--	--	Peak	134.00	300	Vertical	N/A
4**	5221.800	92.62	--	--	AV	134.00	300	Vertical	N/A
5	7424.925	47.86	74.0	26.14	Peak	219.00	200	Vertical	Pass
5**	7424.925	39.48	54.0	14.52	AV	219.00	200	Vertical	Pass
6	12249.463	51.16	74.0	22.84	Peak	21.00	100	Vertical	Pass
6**	12249.463	42.66	54.0	11.34	AV	21.00	100	Vertical	Pass

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



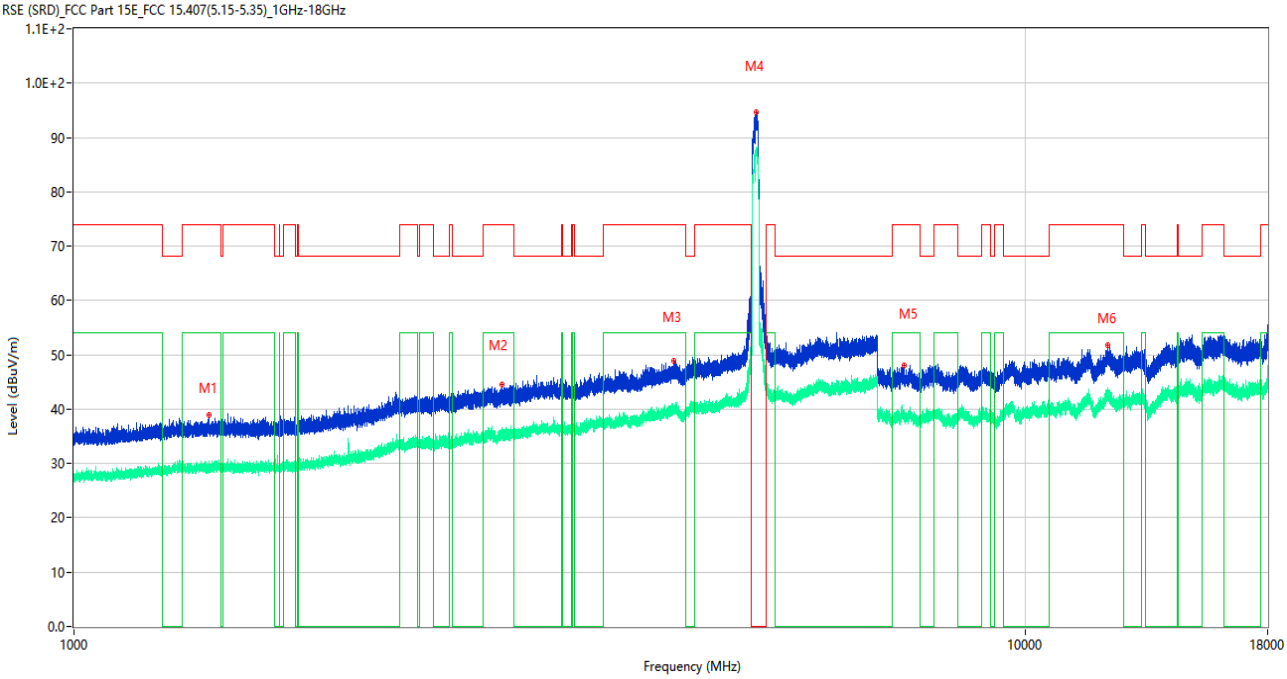
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1360.400	38.81	74.0	35.19	Peak	158.00	300	Horizontal	Pass
1**	1360.400	28.91	54.0	25.09	AV	158.00	300	Horizontal	Pass
2	2822.300	44.26	74.0	29.74	Peak	244.00	400	Horizontal	Pass
2**	2822.300	34.72	54.0	19.28	AV	244.00	400	Horizontal	Pass
3	4217.200	49.72	74.0	24.28	Peak	351.00	200	Horizontal	Pass
3**	4217.200	39.41	54.0	14.59	AV	351.00	200	Horizontal	Pass
4	5194.600	97.52	--	--	Peak	307.00	400	Horizontal	N/A
4**	5194.600	90.30	--	--	AV	307.00	400	Horizontal	N/A
5	7562.350	48.73	74.0	25.27	Peak	176.00	200	Horizontal	Pass
5**	7562.350	39.19	54.0	14.81	AV	176.00	200	Horizontal	Pass
6	12231.063	51.57	74.0	22.43	Peak	237.00	100	Horizontal	Pass
6**	12231.063	42.29	54.0	11.71	AV	237.00	100	Horizontal	Pass

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



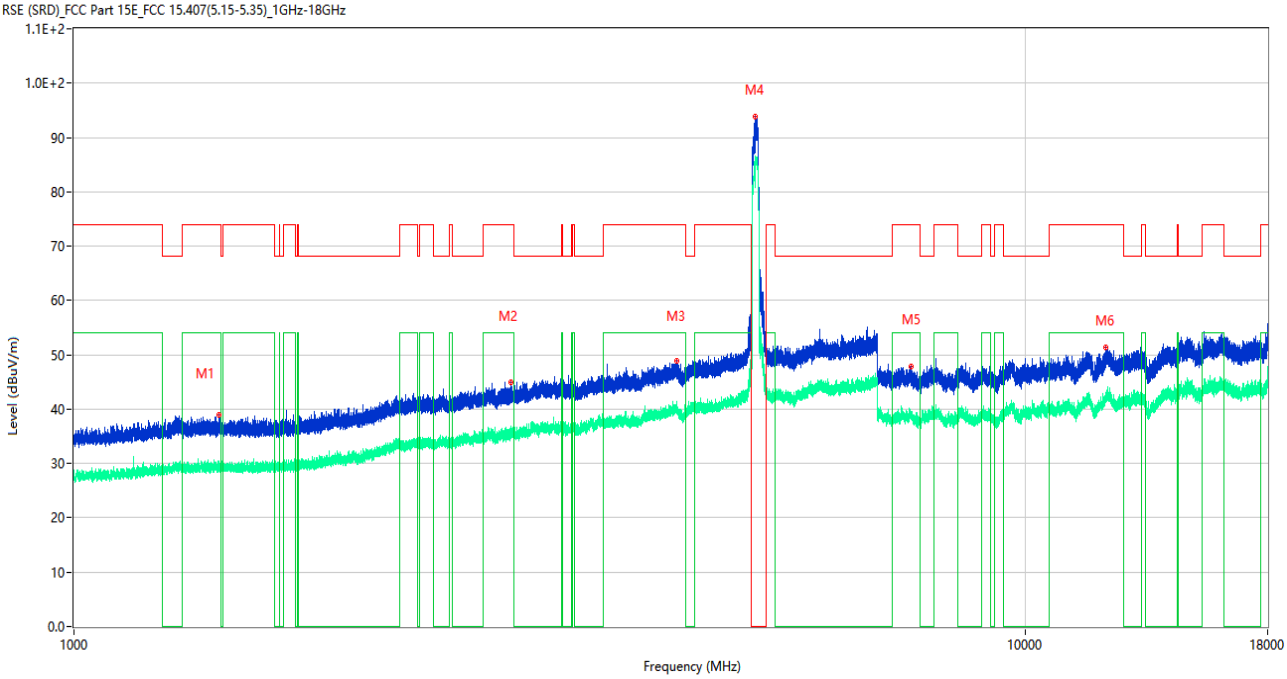
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1318.900	38.75	74.0	35.25	Peak	279.00	300	Vertical	Pass
1**	1318.900	28.92	54.0	25.08	AV	279.00	300	Vertical	Pass
2	2853.800	44.54	74.0	29.46	Peak	0.00	400	Vertical	Pass
2**	2853.800	36.26	54.0	17.74	AV	0.00	400	Vertical	Pass
3	4304.000	49.08	74.0	24.92	Peak	67.00	100	Vertical	Pass
3**	4304.000	39.48	54.0	14.52	AV	67.00	100	Vertical	Pass
4	5192.600	97.14	--	--	Peak	124.00	300	Vertical	N/A
4**	5192.600	89.17	--	--	AV	124.00	300	Vertical	N/A
5	7460.575	48.18	74.0	25.82	Peak	360.00	100	Vertical	Pass
5**	7460.575	39.12	54.0	14.88	AV	360.00	100	Vertical	Pass
6	12256.362	51.75	74.0	22.25	Peak	157.00	300	Vertical	Pass
6**	12256.362	42.33	54.0	11.67	AV	157.00	300	Vertical	Pass

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



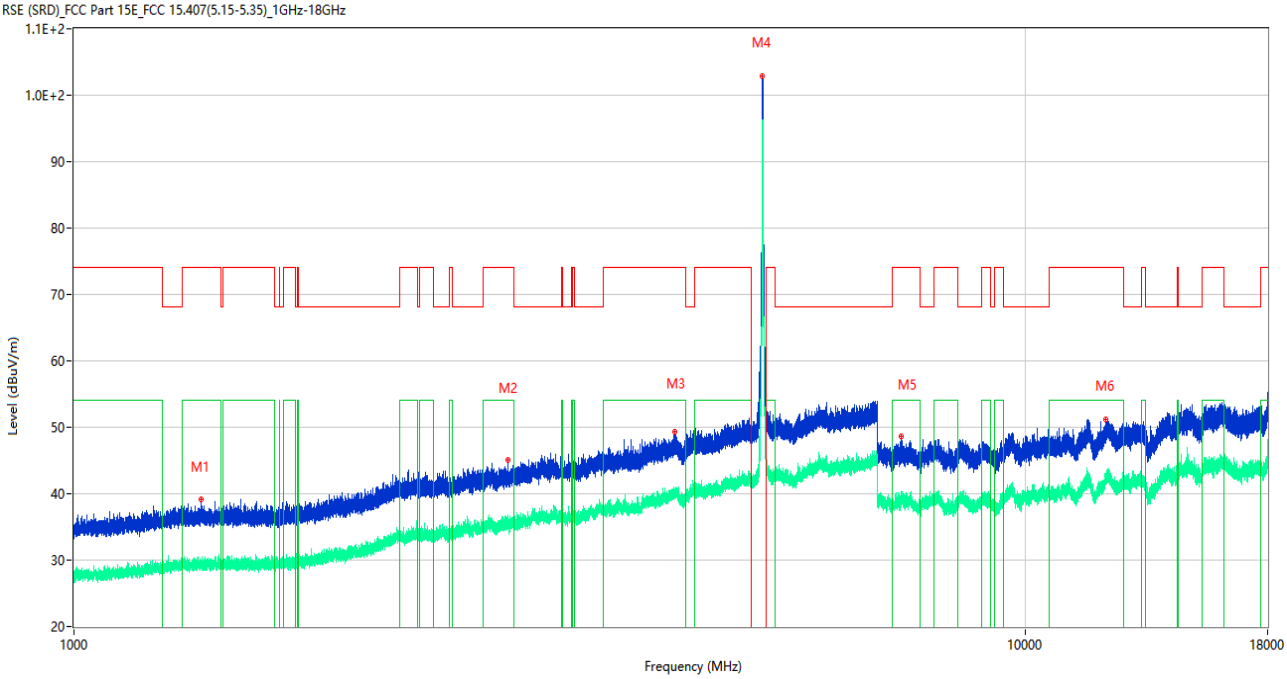
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1386.200	38.88	74.0	35.12	Peak	195.00	100	Horizontal	Pass
1**	1386.200	29.07	54.0	24.93	AV	195.00	100	Horizontal	Pass
2	2820.100	44.51	74.0	29.49	Peak	0.00	300	Horizontal	Pass
2**	2820.100	35.00	54.0	19.00	AV	0.00	300	Horizontal	Pass
3	4274.200	48.81	74.0	25.19	Peak	238.00	100	Horizontal	Pass
3**	4274.200	39.75	54.0	14.25	AV	238.00	100	Horizontal	Pass
4	5216.200	94.73	--	--	Peak	306.00	400	Horizontal	N/A
4**	5216.200	87.80	--	--	AV	306.00	400	Horizontal	N/A
5	7461.437	48.05	74.0	25.95	Peak	51.00	100	Horizontal	Pass
5**	7461.437	38.45	54.0	15.55	AV	51.00	100	Horizontal	Pass
6	12229.049	51.78	74.0	22.22	Peak	317.00	400	Horizontal	Pass
6**	12229.049	42.47	54.0	11.53	AV	317.00	400	Horizontal	Pass

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



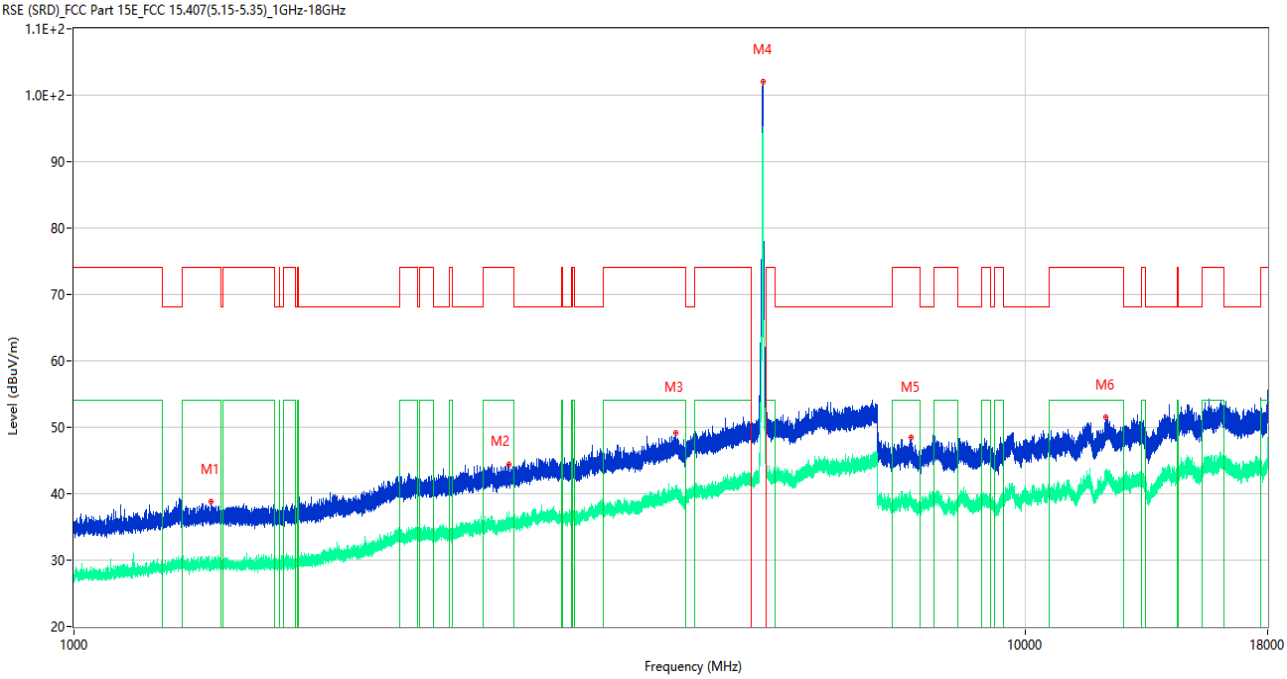
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1421.500	38.91	74.0	35.09	Peak	260.00	100	Vertical	Pass
1**	1421.500	28.77	54.0	25.23	AV	260.00	100	Vertical	Pass
2	2877.600	44.96	74.0	29.04	Peak	251.00	200	Vertical	Pass
2**	2877.600	35.14	54.0	18.86	AV	251.00	200	Vertical	Pass
3	4302.000	48.96	74.0	25.04	Peak	360.00	200	Vertical	Pass
3**	4302.000	40.44	54.0	13.56	AV	360.00	200	Vertical	Pass
4	5200.800	93.87	--	--	Peak	126.00	200	Vertical	N/A
4**	5200.800	85.13	--	--	AV	126.00	200	Vertical	N/A
5	7596.562	47.89	74.0	26.11	Peak	0.00	100	Vertical	Pass
5**	7596.562	39.16	54.0	14.84	AV	0.00	100	Vertical	Pass
6	12162.062	51.45	74.0	22.55	Peak	0.00	200	Vertical	Pass
6**	12162.062	41.98	54.0	12.02	AV	0.00	200	Vertical	Pass

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



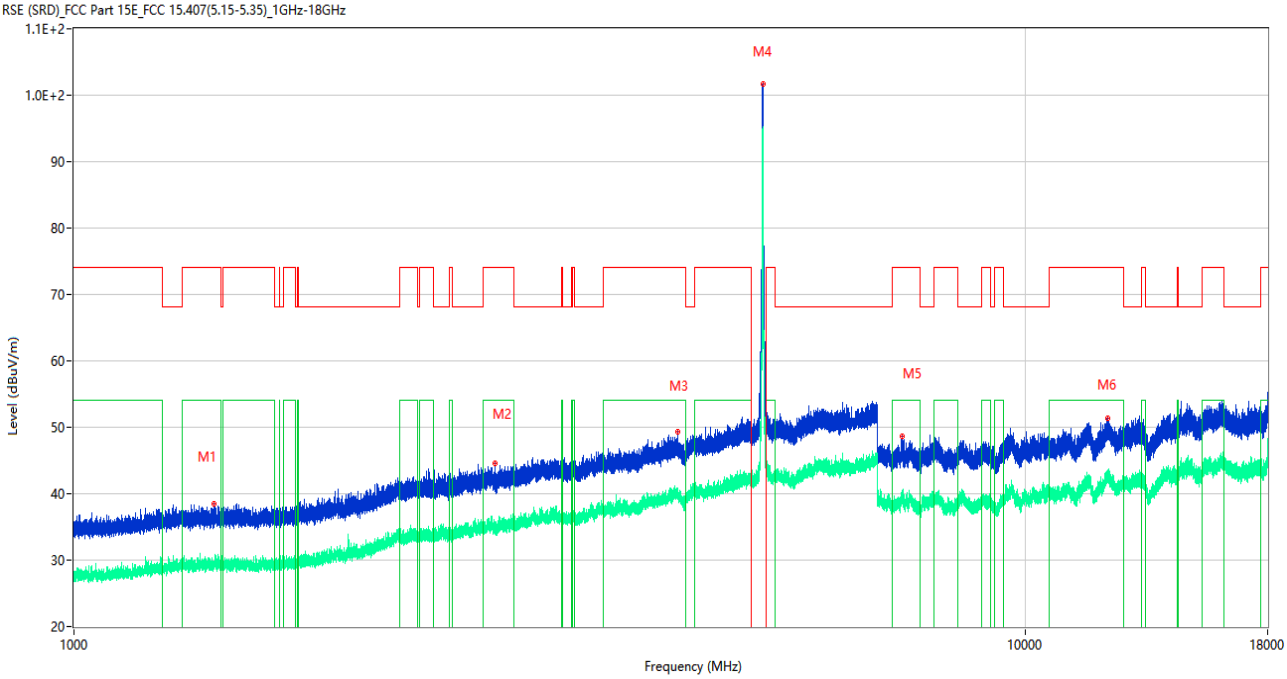
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1361.000	39.07	74.0	34.93	Peak	223.00	400	Horizontal	Pass
1**	1361.000	29.57	54.0	24.43	AV	223.00	400	Horizontal	Pass
2	2856.700	45.13	74.0	28.87	Peak	0.00	400	Horizontal	Pass
2**	2856.700	35.61	54.0	18.39	AV	0.00	400	Horizontal	Pass
3	4283.600	49.41	74.0	24.59	Peak	352.00	100	Horizontal	Pass
3**	4283.600	40.36	54.0	13.64	AV	352.00	100	Horizontal	Pass
4	5298.800	102.91	--	--	Peak	336.00	300	Horizontal	N/A
4**	5298.800	95.94	--	--	AV	336.00	300	Horizontal	N/A
5	7419.175	48.59	74.0	25.41	Peak	358.00	200	Horizontal	Pass
5**	7419.175	39.25	54.0	14.75	AV	358.00	200	Horizontal	Pass
6	12160.912	51.26	74.0	22.74	Peak	270.00	400	Horizontal	Pass
6**	12160.912	42.09	54.0	11.91	AV	270.00	400	Horizontal	Pass

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



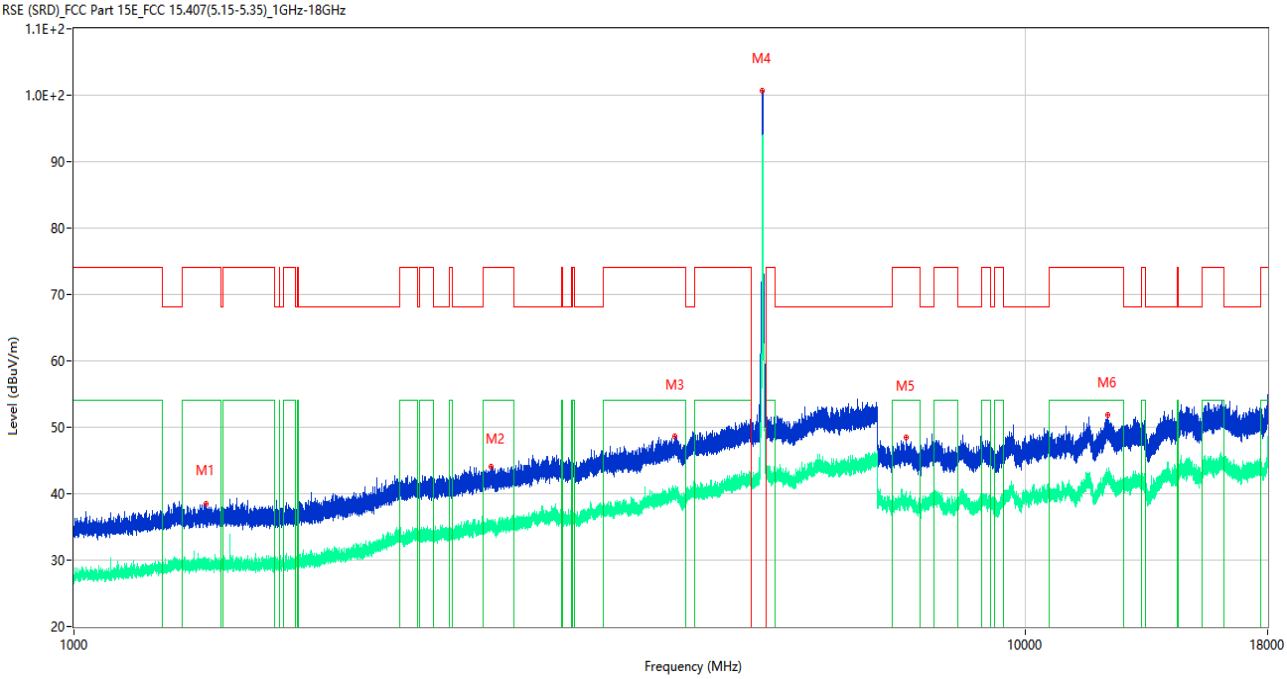
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1394.500	38.73	74.0	35.27	Peak	318.00	400	Vertical	Pass
1**	1394.500	29.64	54.0	24.36	AV	318.00	400	Vertical	Pass
2	2866.300	44.33	74.0	29.67	Peak	0.00	100	Vertical	Pass
2**	2866.300	35.41	54.0	18.59	AV	0.00	100	Vertical	Pass
3	4291.200	49.14	74.0	24.86	Peak	99.00	200	Vertical	Pass
3**	4291.200	40.09	54.0	13.91	AV	99.00	200	Vertical	Pass
4	5300.400	101.97	--	--	Peak	4.00	100	Vertical	N/A
4**	5300.400	93.04	--	--	AV	4.00	100	Vertical	N/A
5	7588.225	48.51	74.0	25.49	Peak	219.00	100	Vertical	Pass
5**	7588.225	38.68	54.0	15.32	AV	219.00	100	Vertical	Pass
6	12171.263	51.49	74.0	22.51	Peak	155.00	400	Vertical	Pass
6**	12171.263	42.60	54.0	11.40	AV	155.00	400	Vertical	Pass

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



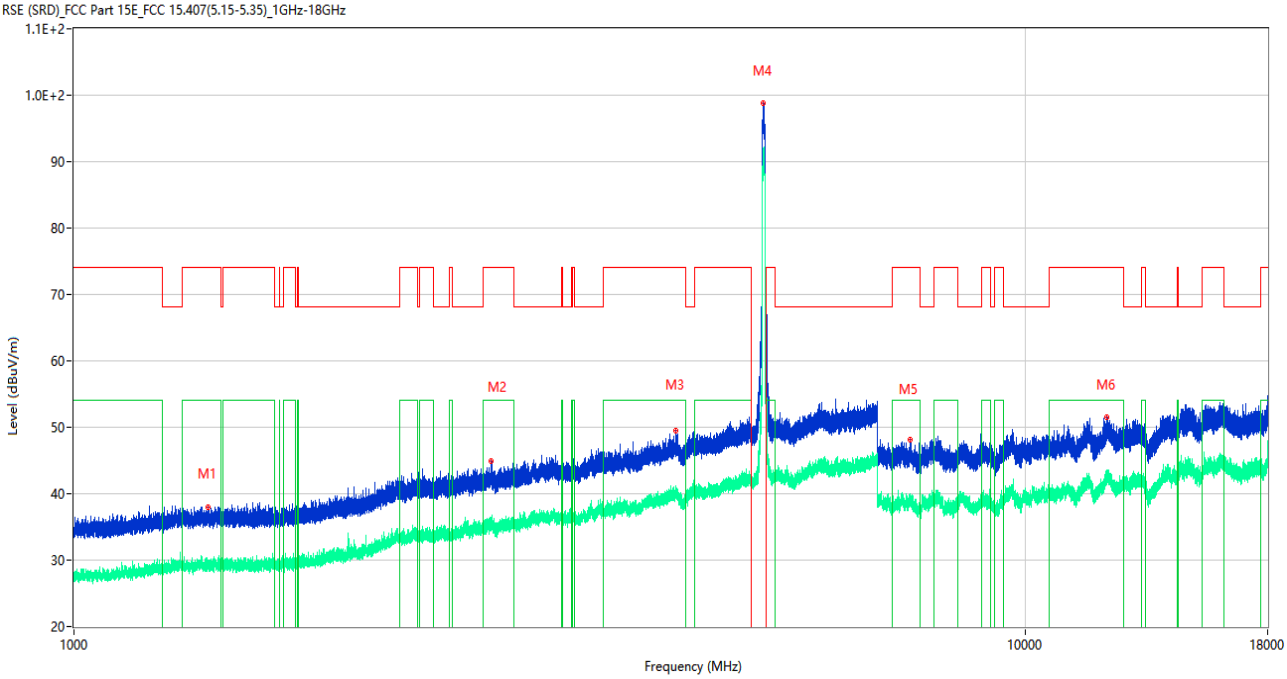
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1402.400	38.50	74.0	35.50	Peak	0.00	100	Horizontal	Pass
1**	1402.400	29.08	54.0	24.92	AV	0.00	100	Horizontal	Pass
2	2771.800	44.49	74.0	29.51	Peak	122.00	300	Horizontal	Pass
2**	2771.800	34.71	54.0	19.29	AV	122.00	300	Horizontal	Pass
3	4318.000	49.38	74.0	24.62	Peak	57.00	150	Horizontal	Pass
3**	4318.000	39.38	54.0	14.62	AV	57.00	150	Horizontal	Pass
4	5302.400	101.67	--	--	Peak	329.00	200	Horizontal	N/A
4**	5302.400	95.15	--	--	AV	329.00	200	Horizontal	N/A
5	7424.350	48.63	74.0	25.37	Peak	50.00	150	Horizontal	Pass
5**	7424.350	39.36	54.0	14.64	AV	50.00	150	Horizontal	Pass
6	12218.700	51.33	74.0	22.67	Peak	235.00	150	Horizontal	Pass
6**	12218.700	42.28	54.0	11.72	AV	235.00	150	Horizontal	Pass

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



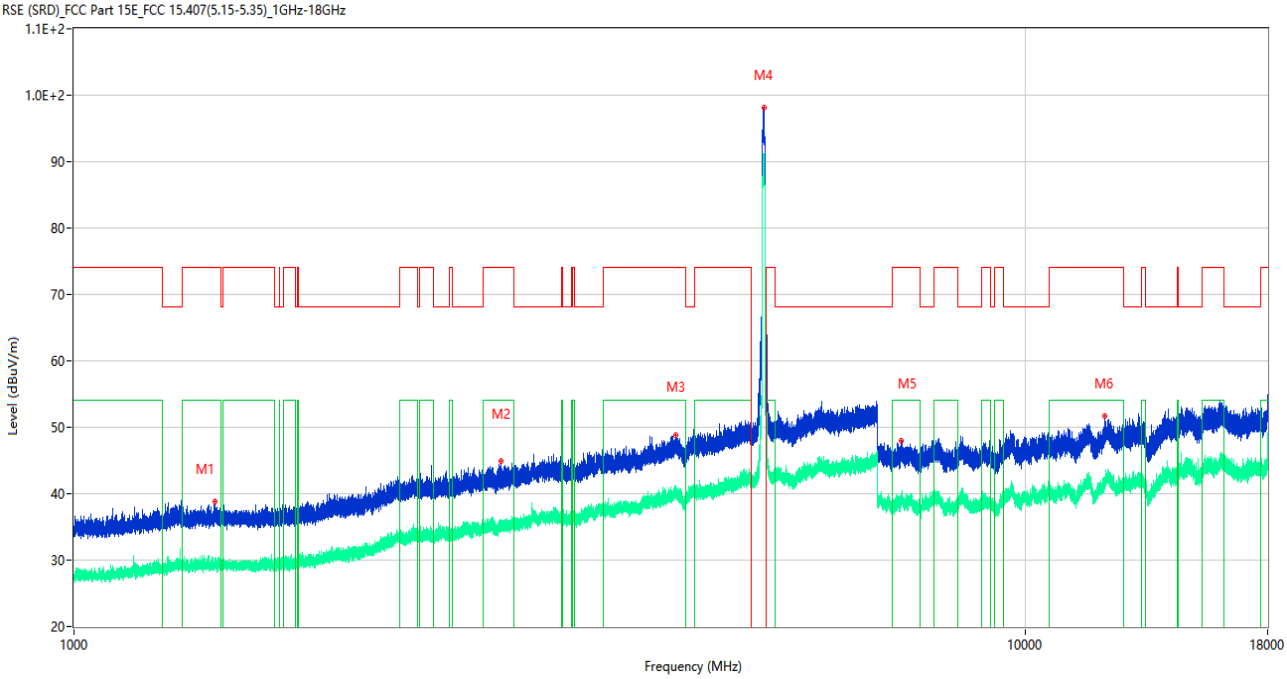
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1376.000	38.53	74.0	35.47	Peak	164.00	300	Vertical	Pass
1**	1376.000	29.72	54.0	24.28	AV	164.00	300	Vertical	Pass
2	2748.300	44.09	74.0	29.91	Peak	21.00	100	Vertical	Pass
2**	2748.300	36.17	54.0	17.83	AV	21.00	100	Vertical	Pass
3	4279.200	48.65	74.0	25.35	Peak	360.00	150	Vertical	Pass
3**	4279.200	39.43	54.0	14.57	AV	360.00	150	Vertical	Pass
4	5298.800	100.61	--	--	Peak	8.00	200	Vertical	N/A
4**	5298.800	93.34	--	--	AV	8.00	200	Vertical	N/A
5	7501.112	48.51	74.0	25.49	Peak	159.00	200	Vertical	Pass
5**	7501.112	38.15	54.0	15.85	AV	159.00	200	Vertical	Pass
6	12229.049	51.81	74.0	22.19	Peak	143.00	300	Vertical	Pass
6**	12229.049	42.78	54.0	11.22	AV	143.00	300	Vertical	Pass

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



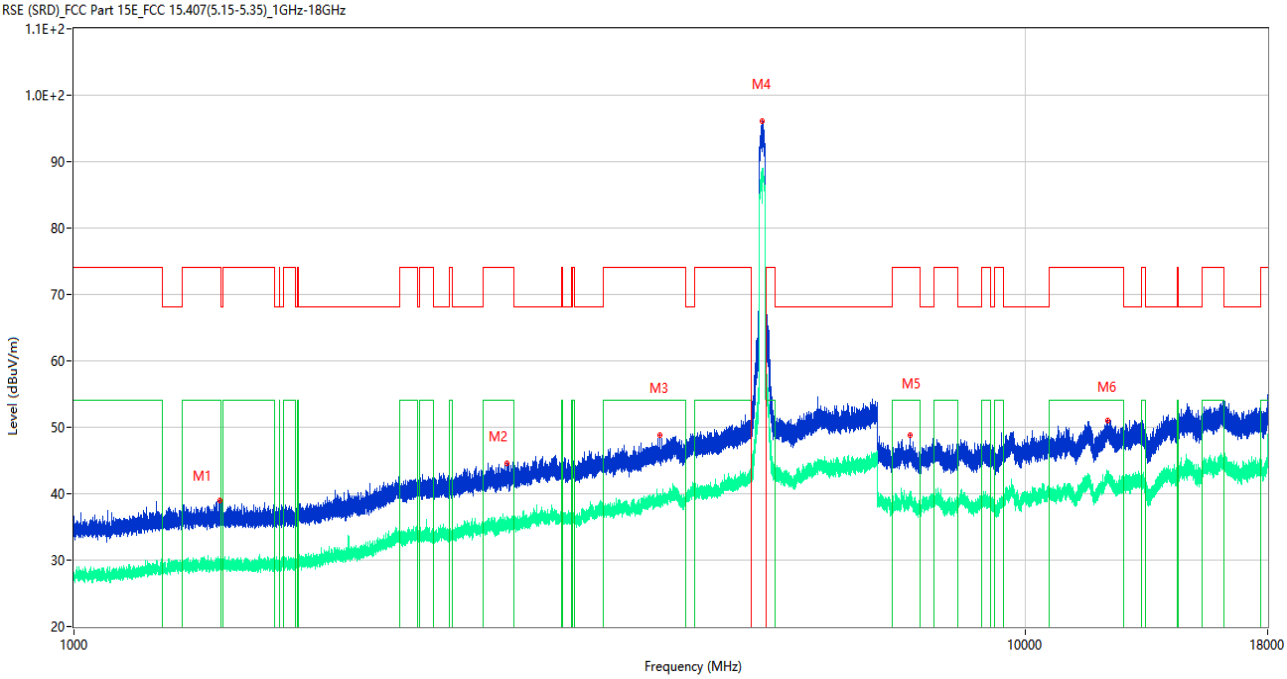
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1382.300	38.01	74.0	35.99	Peak	184.00	200	Horizontal	Pass
1**	1382.300	29.65	54.0	24.35	AV	184.00	200	Horizontal	Pass
2	2747.500	44.99	74.0	29.01	Peak	31.00	400	Horizontal	Pass
2**	2747.500	35.81	54.0	18.19	AV	31.00	400	Horizontal	Pass
3	4295.800	49.50	74.0	24.50	Peak	297.00	100	Horizontal	Pass
3**	4295.800	40.45	54.0	13.55	AV	297.00	100	Horizontal	Pass
4	5312.000	98.75	--	--	Peak	330.00	300	Horizontal	N/A
4**	5312.000	91.46	--	--	AV	330.00	300	Horizontal	N/A
5	7581.325	48.10	74.0	25.90	Peak	265.00	100	Horizontal	Pass
5**	7581.325	38.44	54.0	15.56	AV	265.00	100	Horizontal	Pass
6	12181.613	51.52	74.0	22.48	Peak	126.00	400	Horizontal	Pass
6**	12181.613	42.44	54.0	11.56	AV	126.00	400	Horizontal	Pass

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



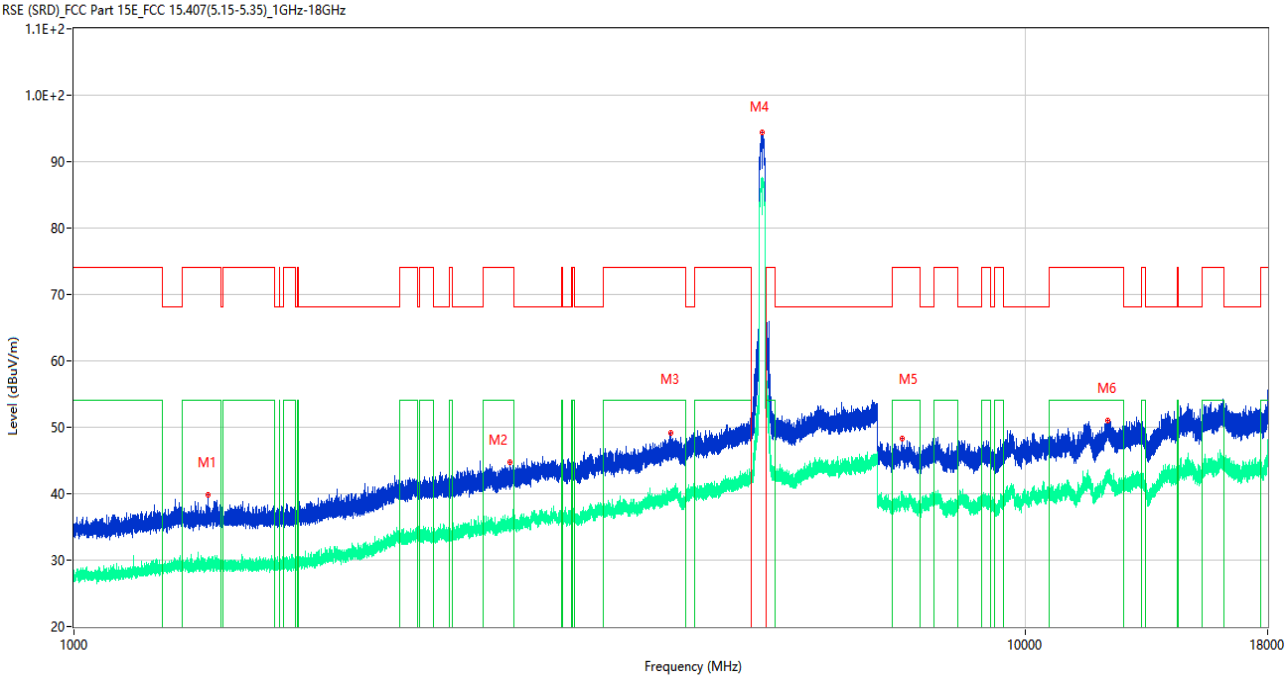
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1406.400	38.87	74.0	35.13	Peak	289.00	200	Vertical	Pass
1**	1406.400	29.32	54.0	24.68	AV	289.00	200	Vertical	Pass
2	2813.100	44.90	74.0	29.10	Peak	31.00	200	Vertical	Pass
2**	2813.100	35.40	54.0	18.60	AV	31.00	200	Vertical	Pass
3	4296.400	48.74	74.0	25.26	Peak	135.00	150	Vertical	Pass
3**	4296.400	40.04	54.0	13.96	AV	135.00	150	Vertical	Pass
4	5313.200	98.10	--	--	Peak	4.00	400	Vertical	N/A
4**	5313.200	90.89	--	--	AV	4.00	400	Vertical	N/A
5	7411.125	48.00	74.0	26.00	Peak	328.00	150	Vertical	Pass
5**	7411.125	39.27	54.0	14.73	AV	328.00	150	Vertical	Pass
6	12133.888	51.69	74.0	22.31	Peak	129.00	300	Vertical	Pass
6**	12133.888	42.27	54.0	11.73	AV	129.00	300	Vertical	Pass

11ac80, U-NII-2A, 1 GHz to 18 GHz, Middle Channel, ANT H



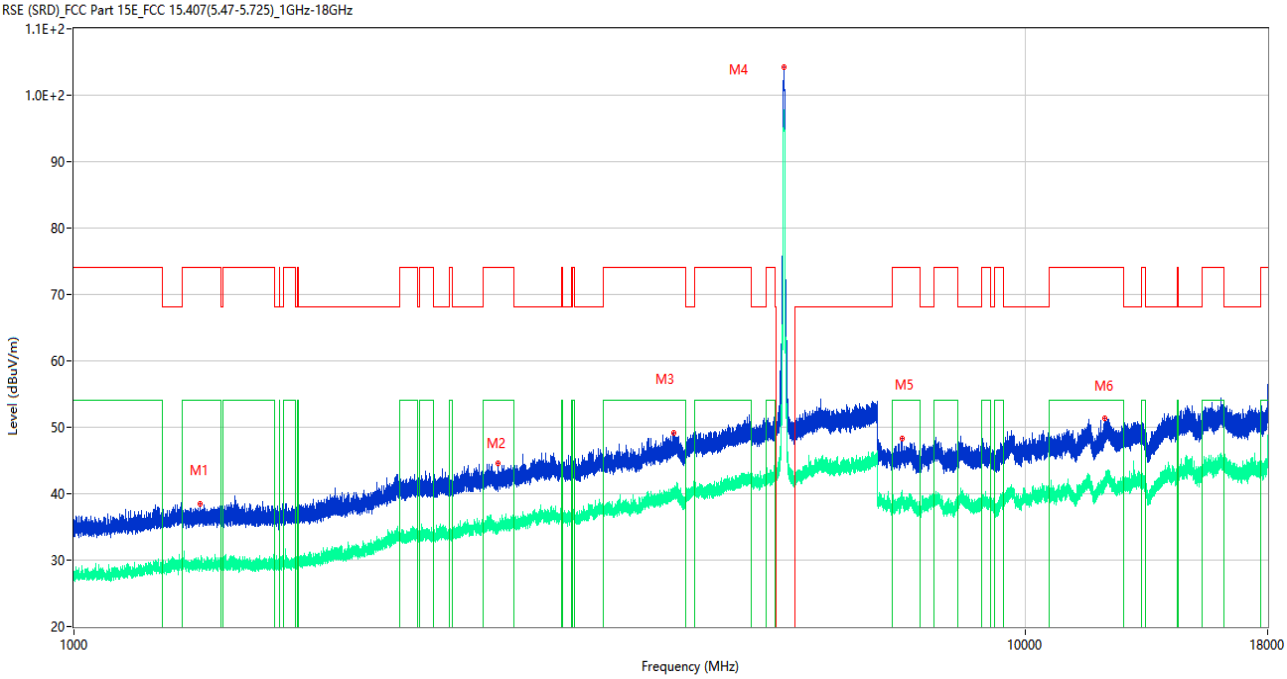
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1423.600	38.96	74.0	35.04	Peak	0.00	300	Horizontal	Pass
1**	1423.600	30.11	54.0	23.89	AV	0.00	300	Horizontal	Pass
2	2854.500	44.62	74.0	29.38	Peak	126.00	100	Horizontal	Pass
2**	2854.500	34.59	54.0	19.41	AV	126.00	100	Horizontal	Pass
3	4132.800	48.83	74.0	25.17	Peak	170.00	200	Horizontal	Pass
3**	4132.800	38.81	54.0	15.19	AV	170.00	200	Horizontal	Pass
4	5287.000	96.16	--	--	Peak	341.00	300	Horizontal	N/A
4**	5287.000	88.54	--	--	AV	341.00	300	Horizontal	N/A
5	7580.750	48.74	74.0	25.26	Peak	36.00	150	Horizontal	Pass
5**	7580.750	39.19	54.0	14.81	AV	36.00	150	Horizontal	Pass
6	12231.638	51.10	74.0	22.90	Peak	5.00	400	Horizontal	Pass
6**	12231.638	42.14	54.0	11.86	AV	5.00	400	Horizontal	Pass

11ac80, U-NII-2A, 1 GHz to 18 GHz, Middle Channel, ANT V



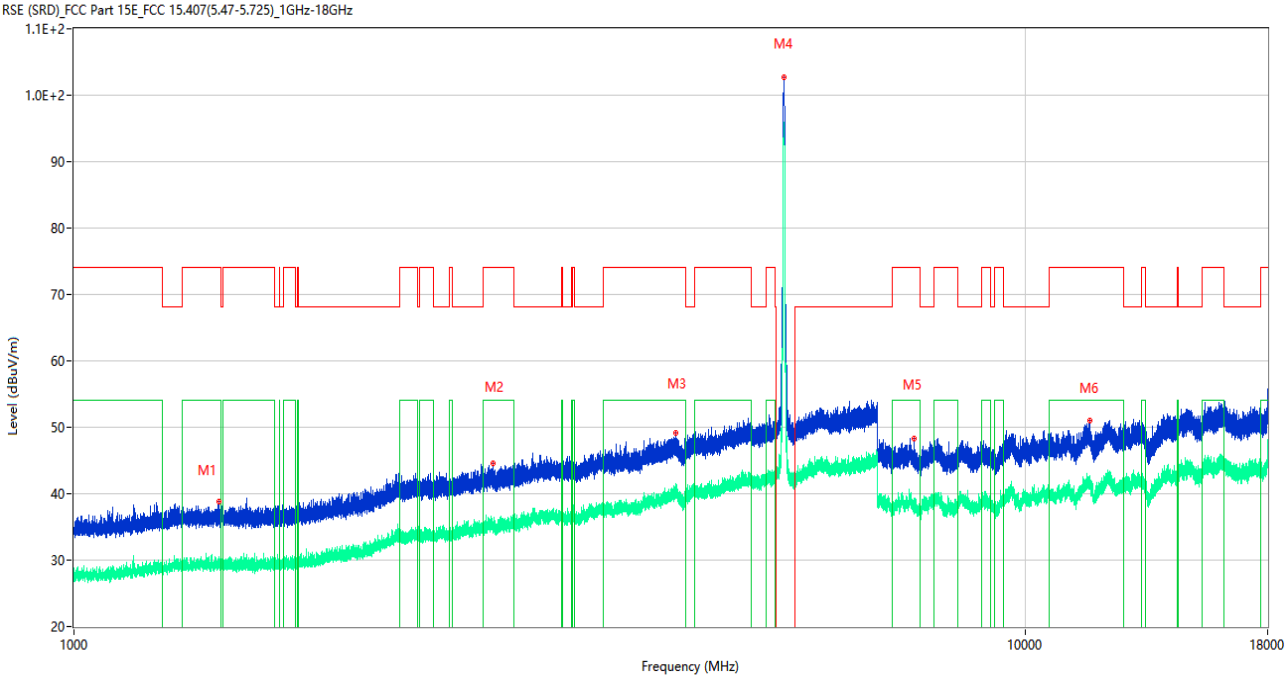
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1384.600	39.80	74.0	34.20	Peak	356.00	200	Vertical	Pass
1**	1384.600	29.58	54.0	24.42	AV	356.00	200	Vertical	Pass
2	2876.100	44.80	74.0	29.20	Peak	329.00	100	Vertical	Pass
2**	2876.100	34.62	54.0	19.38	AV	329.00	100	Vertical	Pass
3	4238.800	49.22	74.0	24.78	Peak	43.00	150	Vertical	Pass
3**	4238.800	39.60	54.0	14.40	AV	43.00	150	Vertical	Pass
4	5288.200	94.42	--	--	Peak	5.00	300	Vertical	N/A
4**	5288.200	87.57	--	--	AV	5.00	300	Vertical	N/A
5	7427.513	48.31	74.0	25.69	Peak	349.00	100	Vertical	Pass
5**	7427.513	38.65	54.0	15.35	AV	349.00	100	Vertical	Pass
6	12230.776	51.01	74.0	22.99	Peak	220.00	300	Vertical	Pass
6**	12230.776	42.25	54.0	11.75	AV	220.00	300	Vertical	Pass

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



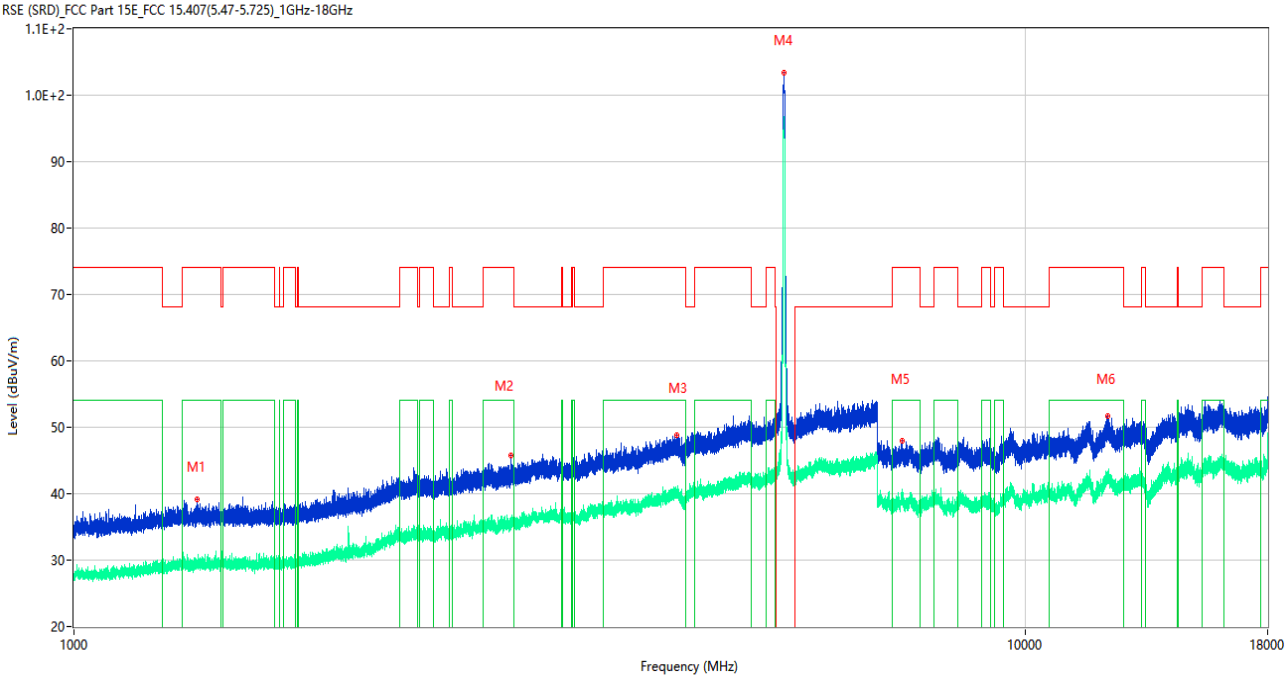
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1358.400	38.53	74.0	35.47	Peak	304.00	200	Horizontal	Pass
1**	1358.400	29.69	54.0	24.31	AV	304.00	200	Horizontal	Pass
2	2795.100	44.62	74.0	29.38	Peak	5.00	200	Horizontal	Pass
2**	2795.100	35.21	54.0	18.79	AV	5.00	200	Horizontal	Pass
3	4276.600	49.14	74.0	24.86	Peak	63.00	200	Horizontal	Pass
3**	4276.600	40.33	54.0	13.67	AV	63.00	200	Horizontal	Pass
4	5581.600	104.23	--	--	Peak	356.00	100	Horizontal	N/A
4**	5581.600	97.87	--	--	AV	356.00	100	Horizontal	N/A
5	7430.962	48.36	74.0	25.64	Peak	2.00	150	Horizontal	Pass
5**	7430.962	39.24	54.0	14.76	AV	2.00	150	Horizontal	Pass
6	12130.150	51.32	74.0	22.68	Peak	360.00	300	Horizontal	Pass
6**	12130.150	41.97	54.0	12.03	AV	360.00	300	Horizontal	Pass

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



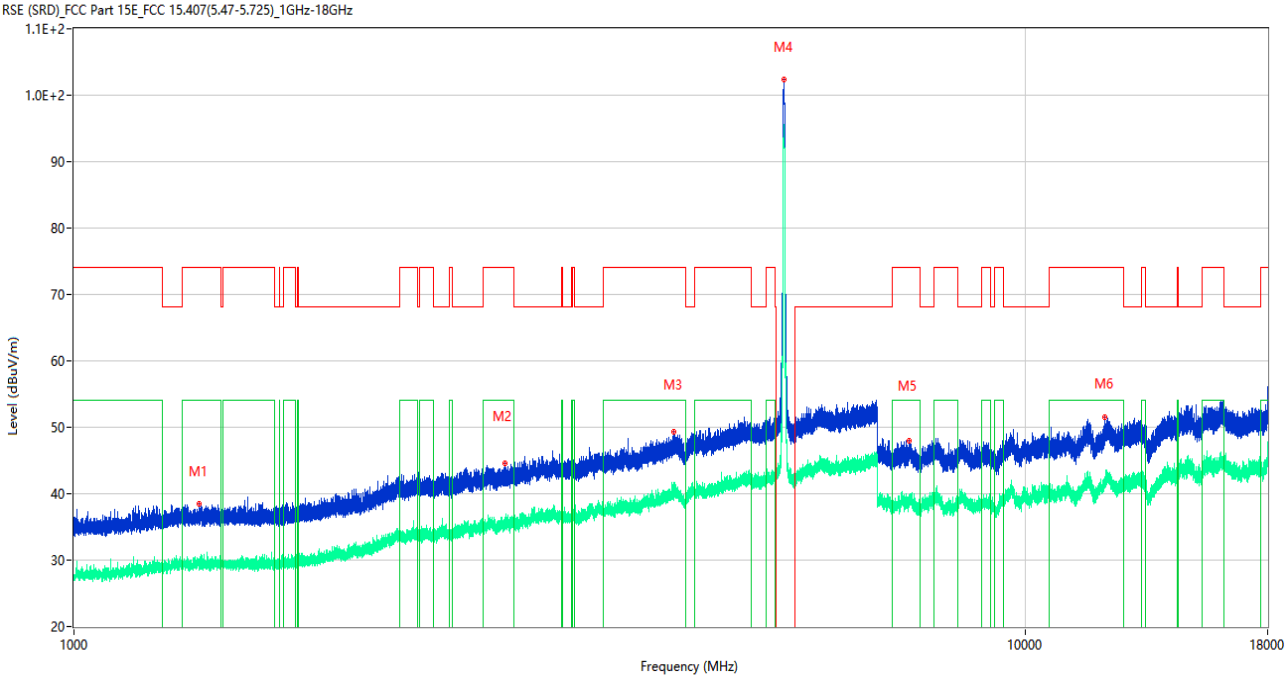
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1419.300	38.86	74.0	35.14	Peak	98.00	300	Vertical	Pass
1**	1419.300	29.69	54.0	24.31	AV	98.00	300	Vertical	Pass
2	2758.400	44.50	74.0	29.50	Peak	39.00	200	Vertical	Pass
2**	2758.400	34.80	54.0	19.20	AV	39.00	200	Vertical	Pass
3	4289.200	49.14	74.0	24.86	Peak	0.00	200	Vertical	Pass
3**	4289.200	39.74	54.0	14.26	AV	0.00	200	Vertical	Pass
4	5580.800	102.75	--	--	Peak	260.00	100	Vertical	Pass
4**	5580.800	95.15	--	--	AV	260.00	100	Vertical	N/A
5	7646.875	48.35	74.0	25.65	Peak	281.00	200	Vertical	Pass
5**	7646.875	37.92	54.0	16.08	AV	281.00	200	Vertical	Pass
6	11704.362	50.99	74.0	23.01	Peak	264.00	100	Vertical	Pass
6**	11704.362	41.52	54.0	12.48	AV	264.00	100	Vertical	Pass

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



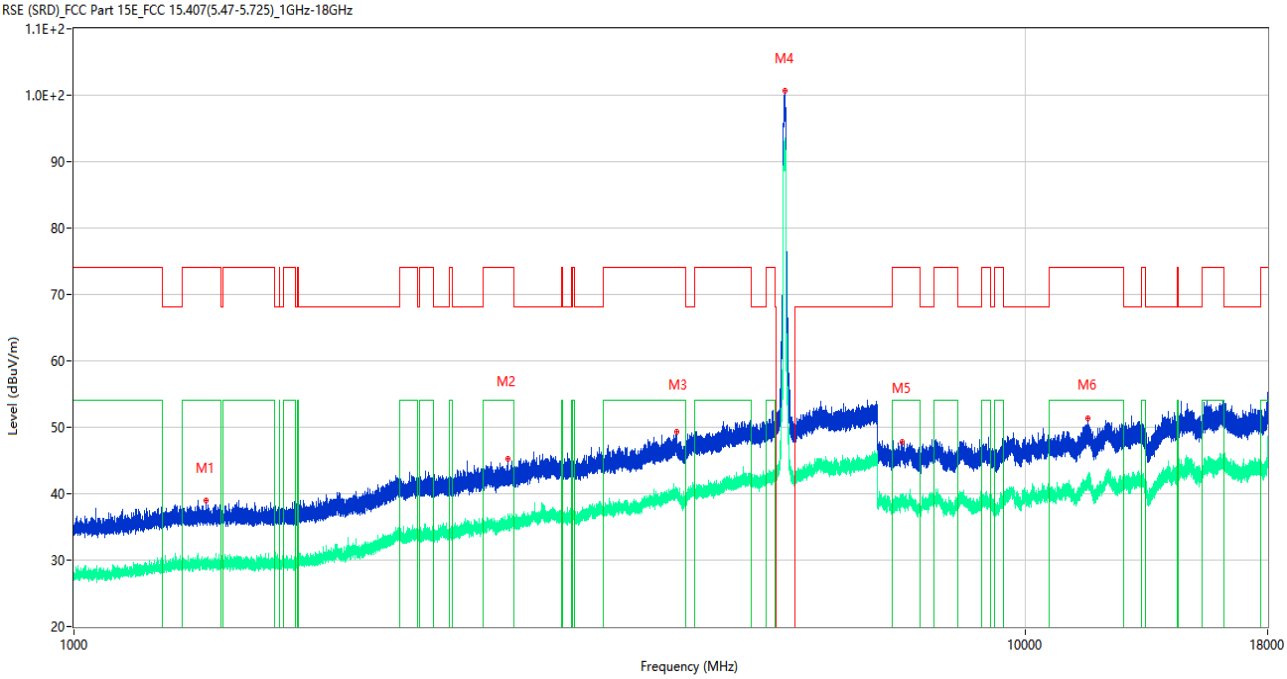
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1347.700	39.10	74.0	34.90	Peak	12.00	400	Horizontal	Pass
1**	1347.700	29.47	54.0	24.53	AV	12.00	400	Horizontal	Pass
2	2878.000	45.80	74.0	28.20	Peak	121.00	400	Horizontal	Pass
2**	2878.000	35.06	54.0	18.94	AV	121.00	400	Horizontal	Pass
3	4303.000	48.73	74.0	25.27	Peak	326.00	100	Horizontal	Pass
3**	4303.000	39.53	54.0	14.47	AV	326.00	100	Horizontal	Pass
4	5577.600	103.32	--	--	Peak	318.00	400	Horizontal	N/A
4**	5577.600	95.66	--	--	AV	318.00	400	Horizontal	N/A
5	7421.188	47.89	74.0	26.11	Peak	282.00	100	Horizontal	Pass
5**	7421.188	39.30	54.0	14.70	AV	282.00	100	Horizontal	Pass
6	12225.599	51.67	74.0	22.33	Peak	1.00	200	Horizontal	Pass
6**	12225.599	42.19	54.0	11.81	AV	1.00	200	Horizontal	Pass

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



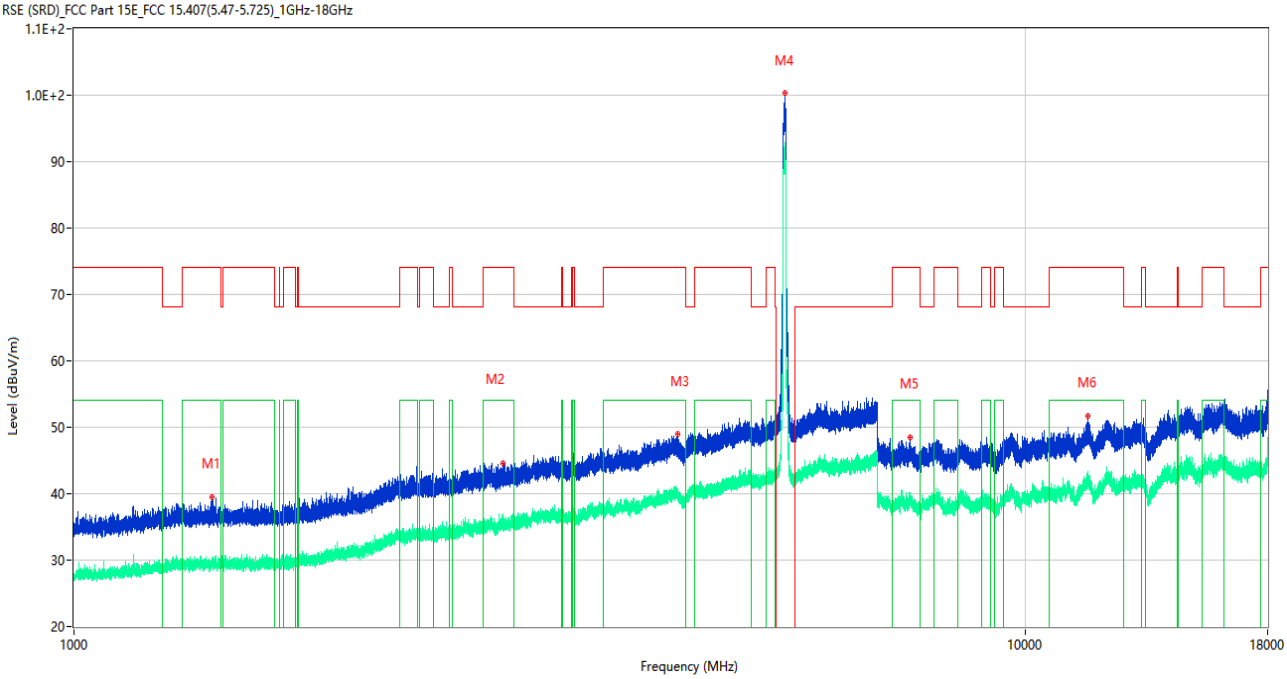
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1352.400	38.43	74.0	35.57	Peak	57.00	100	Vertical	Pass
1**	1352.400	29.92	54.0	24.08	AV	57.00	100	Vertical	Pass
2	2836.900	44.51	74.0	29.49	Peak	280.00	200	Vertical	Pass
2**	2836.900	35.48	54.0	18.52	AV	280.00	200	Vertical	Pass
3	4275.600	49.33	74.0	24.67	Peak	161.00	200	Vertical	Pass
3**	4275.600	39.63	54.0	14.37	AV	161.00	200	Vertical	Pass
4	5576.600	102.36	--	--	Peak	264.00	200	Vertical	N/A
4**	5576.600	95.29	--	--	AV	264.00	200	Vertical	N/A
5	7559.475	48.03	74.0	25.97	Peak	138.00	100	Vertical	Pass
5**	7559.475	39.00	54.0	15.00	AV	138.00	100	Vertical	Pass
6	12140.213	51.57	74.0	22.43	Peak	108.00	100	Vertical	Pass
6**	12140.213	41.54	54.0	12.46	AV	108.00	100	Vertical	Pass

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



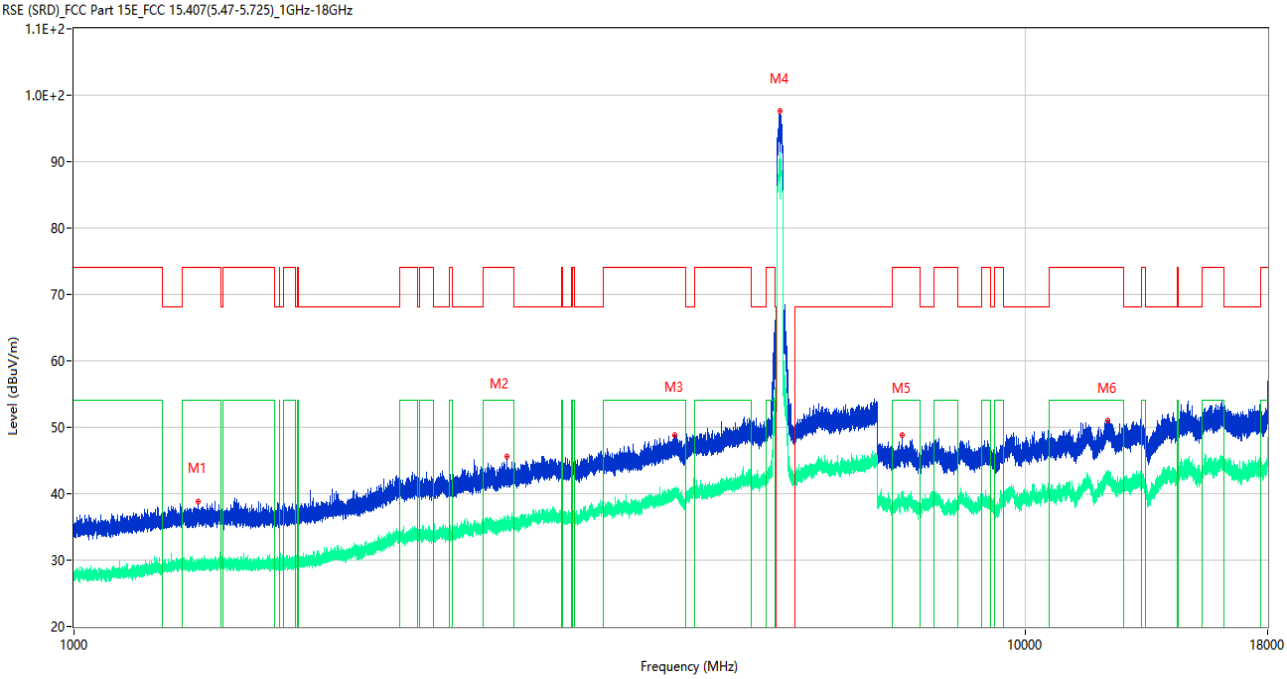
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1377.400	38.96	74.0	35.04	Peak	360.00	100	Horizontal	Pass
1**	1377.400	29.64	54.0	24.36	AV	360.00	100	Horizontal	Pass
2	2861.500	45.33	74.0	28.67	Peak	360.00	200	Horizontal	Pass
2**	2861.500	35.94	54.0	18.06	AV	360.00	200	Horizontal	Pass
3	4301.000	49.24	74.0	24.76	Peak	225.00	100	Horizontal	Pass
3**	4301.000	40.89	54.0	13.11	AV	225.00	100	Horizontal	Pass
4	5591.800	100.64	--	--	Peak	358.00	400	Horizontal	N/A
4**	5591.800	93.19	--	--	AV	358.00	400	Horizontal	N/A
5	7422.338	47.87	74.0	26.13	Peak	56.00	100	Horizontal	Pass
5**	7422.338	39.19	54.0	14.81	AV	56.00	100	Horizontal	Pass
6	11636.225	51.42	74.0	22.58	Peak	131.00	300	Horizontal	Pass
6**	11636.225	41.90	54.0	12.10	AV	131.00	300	Horizontal	Pass

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



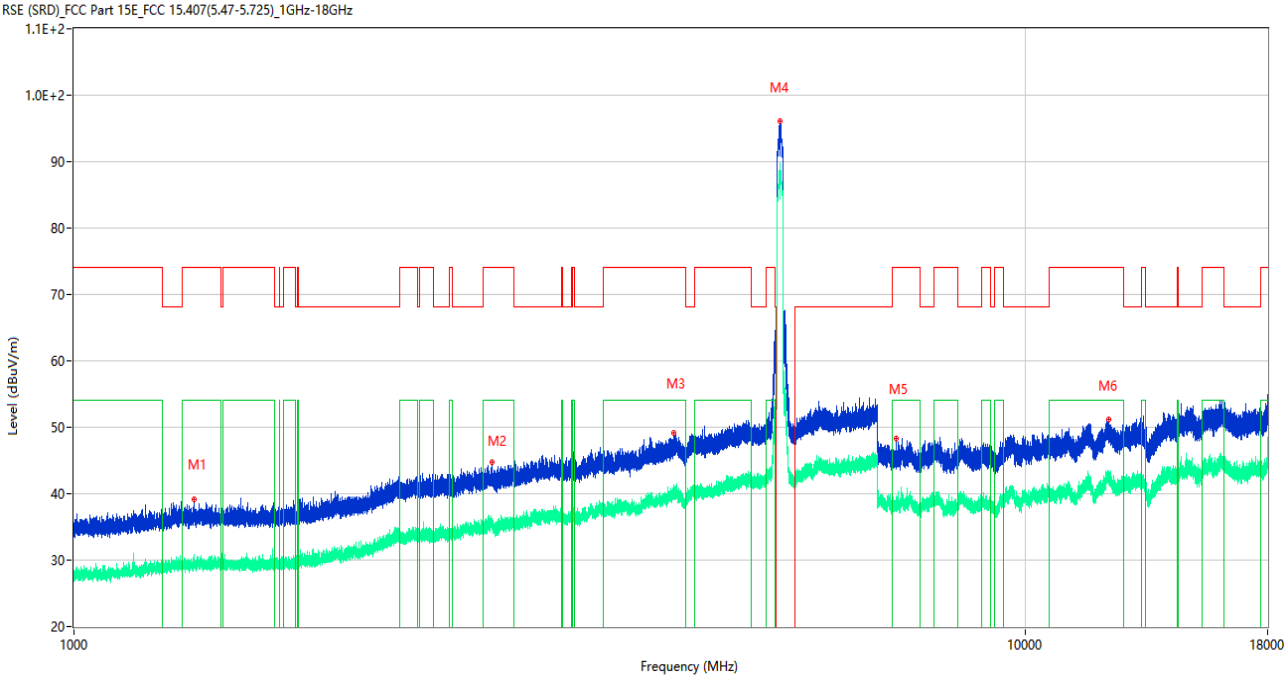
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1397.600	39.54	74.0	34.46	Peak	135.00	100	Vertical	Pass
1**	1397.600	29.25	54.0	24.75	AV	135.00	100	Vertical	Pass
2	2822.600	44.65	74.0	29.35	Peak	34.00	300	Vertical	Pass
2**	2822.600	35.42	54.0	18.58	AV	34.00	300	Vertical	Pass
3	4312.400	48.94	74.0	25.06	Peak	326.00	100	Vertical	Pass
3**	4312.400	40.19	54.0	13.81	AV	326.00	100	Vertical	Pass
4	5592.200	100.31	--	--	Peak	0.00	200	Vertical	N/A
4**	5592.200	92.27	--	--	AV	0.00	200	Vertical	N/A
5	7582.475	48.43	74.0	25.57	Peak	260.00	100	Vertical	Pass
5**	7582.475	39.85	54.0	14.15	AV	260.00	100	Vertical	Pass
6	11634.213	51.73	74.0	22.27	Peak	229.00	100	Vertical	Pass
6**	11634.213	41.98	54.0	12.02	AV	229.00	100	Vertical	Pass

11ac80, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT H



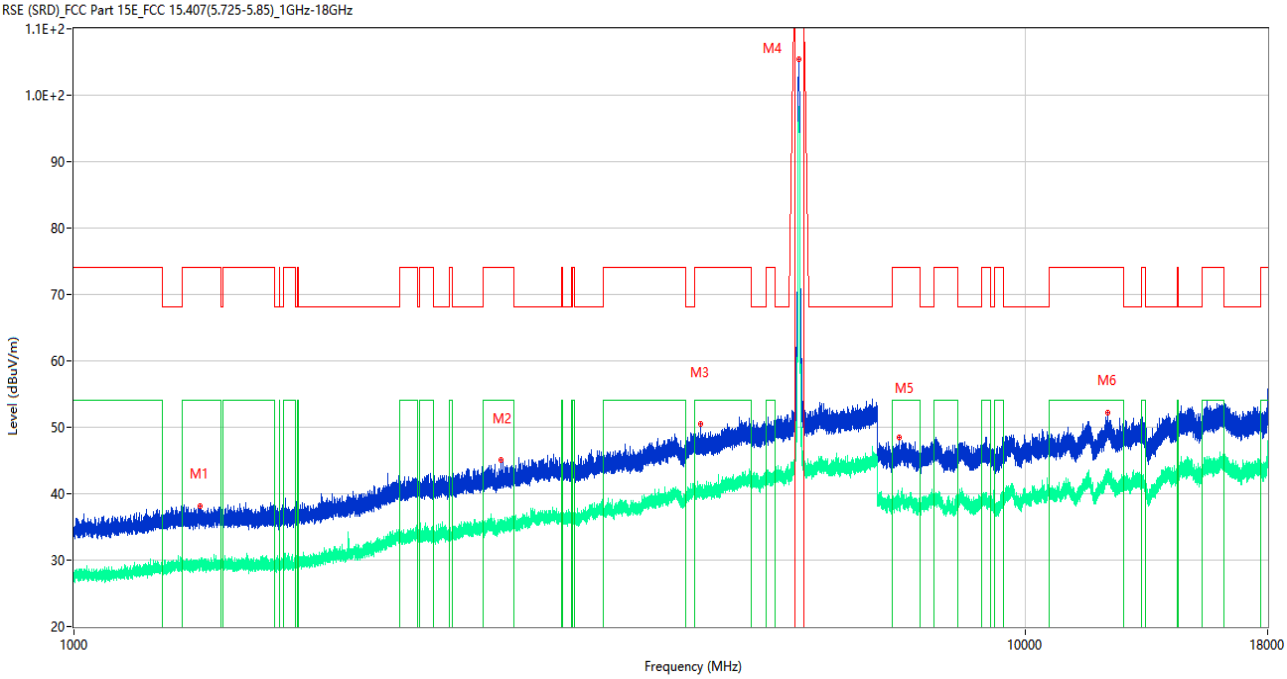
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1351.500	38.86	74.0	35.14	Peak	6.00	200	Horizontal	Pass
1**	1351.500	28.98	54.0	25.02	AV	6.00	200	Horizontal	Pass
2	2853.900	45.61	74.0	28.39	Peak	2.00	100	Horizontal	Pass
2**	2853.900	36.06	54.0	17.94	AV	2.00	100	Horizontal	Pass
3	4282.200	48.86	74.0	25.14	Peak	336.00	200	Horizontal	Pass
3**	4282.200	39.92	54.0	14.08	AV	336.00	200	Horizontal	Pass
4	5523.000	97.56	--	--	Peak	324.00	300	Horizontal	N/A
4**	5523.000	89.46	--	--	AV	324.00	300	Horizontal	N/A
5	7423.775	48.74	74.0	25.26	Peak	360.00	200	Horizontal	Pass
5**	7423.775	39.11	54.0	14.89	AV	360.00	200	Horizontal	Pass
6	12228.475	50.98	74.0	23.02	Peak	0.00	400	Horizontal	Pass
6**	12228.475	42.58	54.0	11.42	AV	0.00	400	Horizontal	Pass

11ac80, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT V



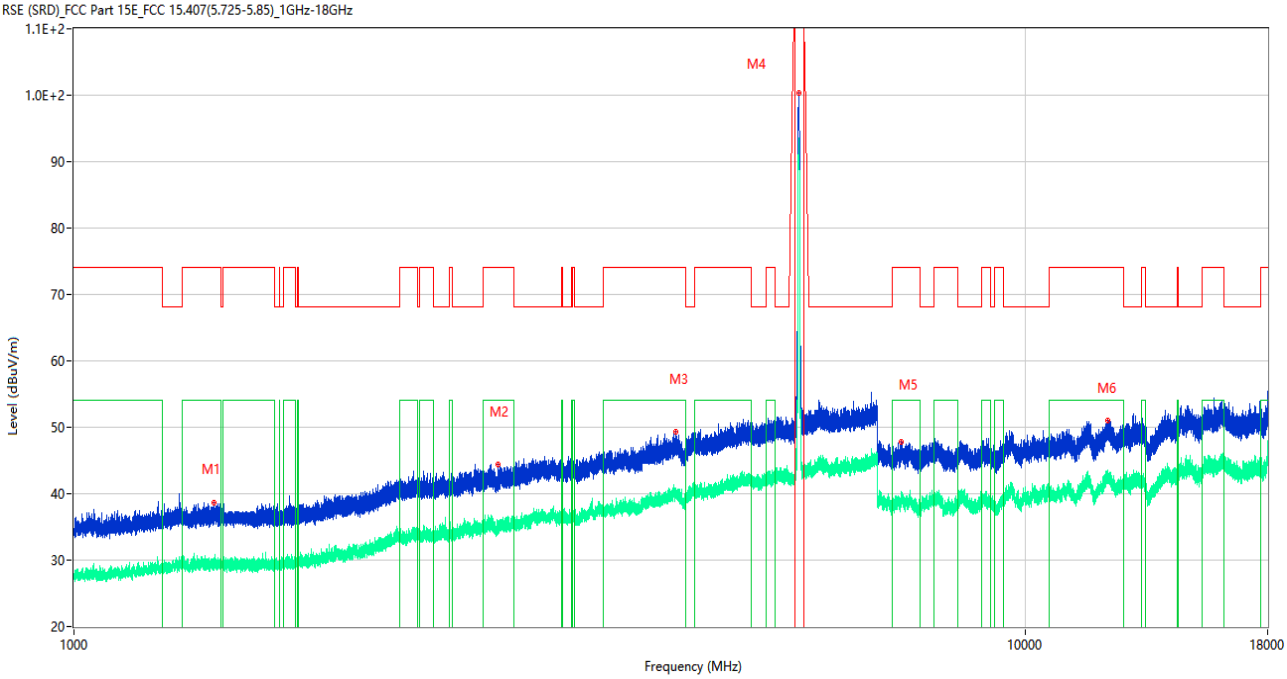
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1338.700	39.16	74.0	34.84	Peak	332.00	400	Vertical	Pass
1**	1338.700	29.22	54.0	24.78	AV	332.00	400	Vertical	Pass
2	2753.000	44.78	74.0	29.22	Peak	313.00	400	Vertical	Pass
2**	2753.000	35.10	54.0	18.90	AV	313.00	400	Vertical	Pass
3	4273.800	49.21	74.0	24.79	Peak	115.00	200	Vertical	Pass
3**	4273.800	39.84	54.0	14.16	AV	115.00	200	Vertical	Pass
4	5524.200	96.14	--	--	Peak	263.00	400	Vertical	N/A
4**	5524.200	88.66	--	--	AV	263.00	400	Vertical	N/A
5	7322.288	48.29	74.0	25.71	Peak	29.00	200	Vertical	Pass
5**	7322.288	38.23	54.0	15.77	AV	29.00	200	Vertical	Pass
6	12264.412	51.19	74.0	22.81	Peak	137.00	300	Vertical	Pass
6**	12264.412	41.92	54.0	12.08	AV	137.00	300	Vertical	Pass

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



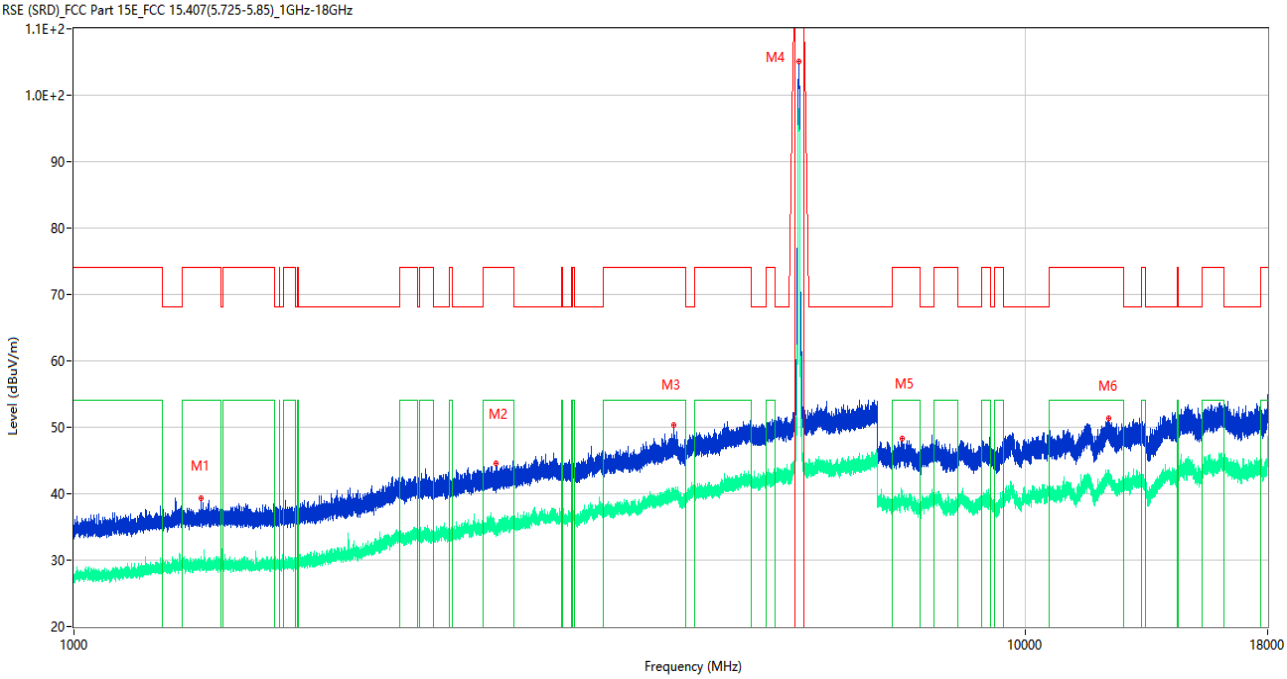
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1358.200	38.10	74.0	35.90	Peak	252.00	200	Horizontal	Pass
1**	1358.200	29.71	54.0	24.29	AV	252.00	200	Horizontal	Pass
2	2810.300	45.04	74.0	28.96	Peak	283.00	100	Horizontal	Pass
2**	2810.300	35.79	54.0	18.21	AV	283.00	100	Horizontal	Pass
3	4562.200	50.53	74.0	23.47	Peak	344.00	150	Horizontal	Pass
3**	4562.200	40.25	54.0	13.75	AV	344.00	150	Horizontal	Pass
4	5786.400	105.35	--	--	Peak	358.00	400	Horizontal	N/A
4**	5786.400	98.03	--	--	AV	358.00	400	Horizontal	N/A
5	7380.075	48.39	74.0	25.61	Peak	170.00	200	Horizontal	Pass
5**	7380.075	38.36	54.0	15.64	AV	170.00	200	Horizontal	Pass
6	12223.588	52.20	74.0	21.80	Peak	278.00	200	Horizontal	Pass
6**	12223.588	42.32	54.0	11.68	AV	278.00	200	Horizontal	Pass

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



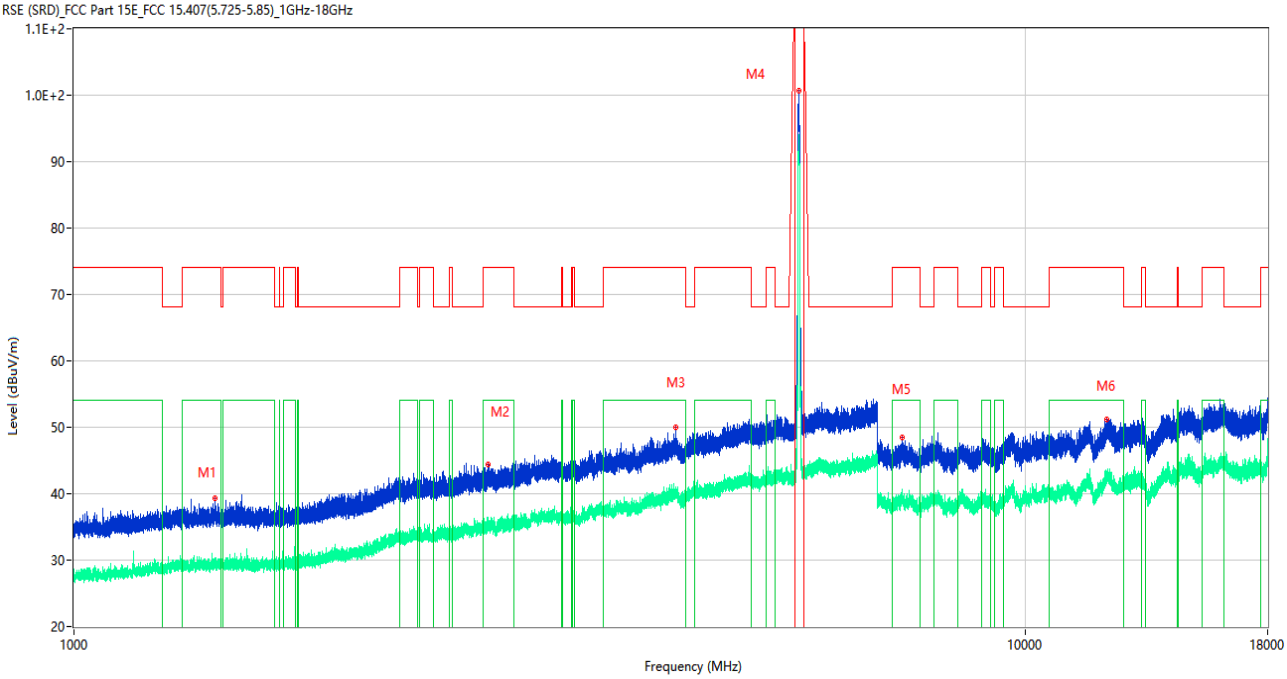
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1403.800	38.70	74.0	35.30	Peak	359.00	200	Vertical	Pass
1**	1403.800	29.33	54.0	24.67	AV	359.00	200	Vertical	Pass
2	2792.300	44.40	74.0	29.60	Peak	346.00	200	Vertical	Pass
2**	2792.300	35.00	54.0	19.00	AV	346.00	200	Vertical	Pass
3	4289.200	49.29	74.0	24.71	Peak	336.00	200	Vertical	Pass
3**	4289.200	39.85	54.0	14.15	AV	336.00	200	Vertical	Pass
4	5783.000	100.33	--	--	Peak	28.00	100	Vertical	N/A
4**	5783.000	92.97	--	--	AV	28.00	100	Vertical	N/A
5	7419.750	47.87	74.0	26.13	Peak	81.00	100	Vertical	Pass
5**	7419.750	39.25	54.0	14.75	AV	81.00	100	Vertical	Pass
6	12213.526	51.00	74.0	23.00	Peak	360.00	400	Vertical	Pass
6**	12213.526	42.01	54.0	11.99	AV	360.00	400	Vertical	Pass

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



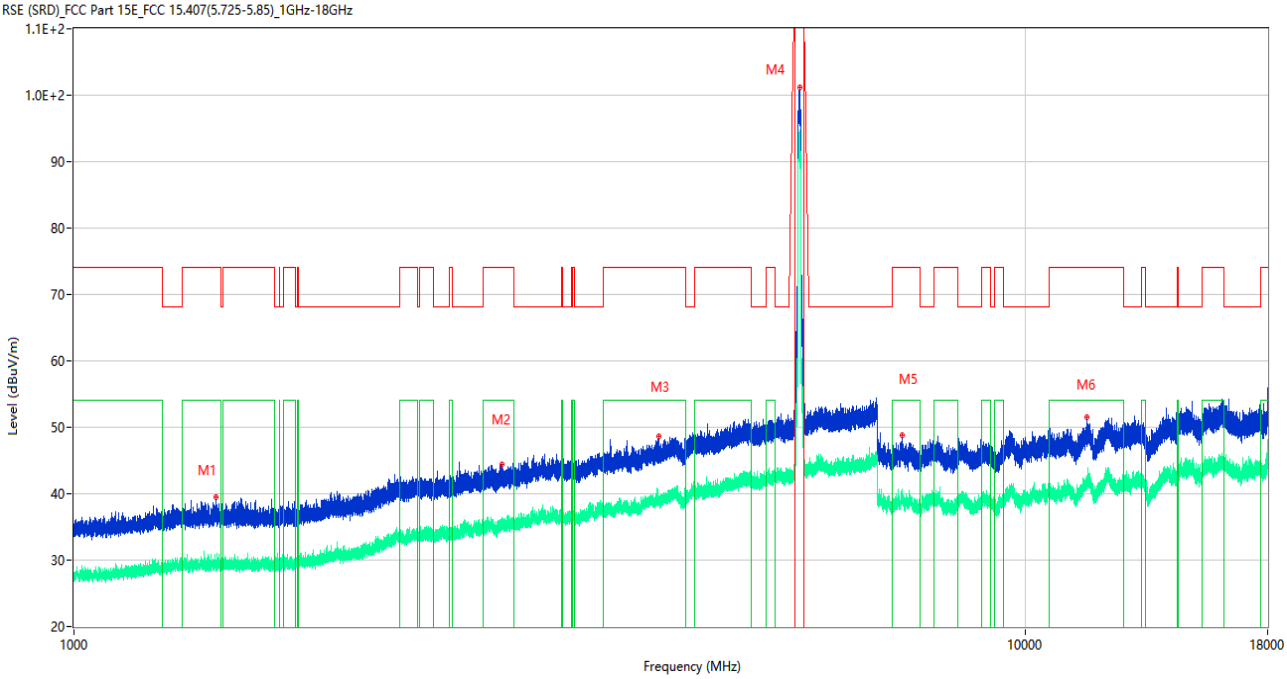
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1360.900	39.28	74.0	34.72	Peak	43.00	100	Horizontal	Pass
1**	1360.900	29.60	54.0	24.40	AV	43.00	100	Horizontal	Pass
2	2782.000	44.54	74.0	29.46	Peak	205.00	300	Horizontal	Pass
2**	2782.000	34.69	54.0	19.31	AV	205.00	300	Horizontal	Pass
3	4275.800	50.31	74.0	23.69	Peak	65.00	200	Horizontal	Pass
3**	4275.800	39.65	54.0	14.35	AV	65.00	200	Horizontal	Pass
4	5783.800	105.07	--	--	Peak	358.00	100	Horizontal	N/A
4**	5783.800	97.48	--	--	AV	358.00	100	Horizontal	N/A
5	7421.763	48.31	74.0	25.69	Peak	360.00	100	Horizontal	Pass
5**	7421.763	39.23	54.0	14.77	AV	360.00	100	Horizontal	Pass
6	12251.763	51.28	74.0	22.72	Peak	4.00	200	Horizontal	Pass
6**	12251.763	42.67	54.0	11.33	AV	4.00	200	Horizontal	Pass

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



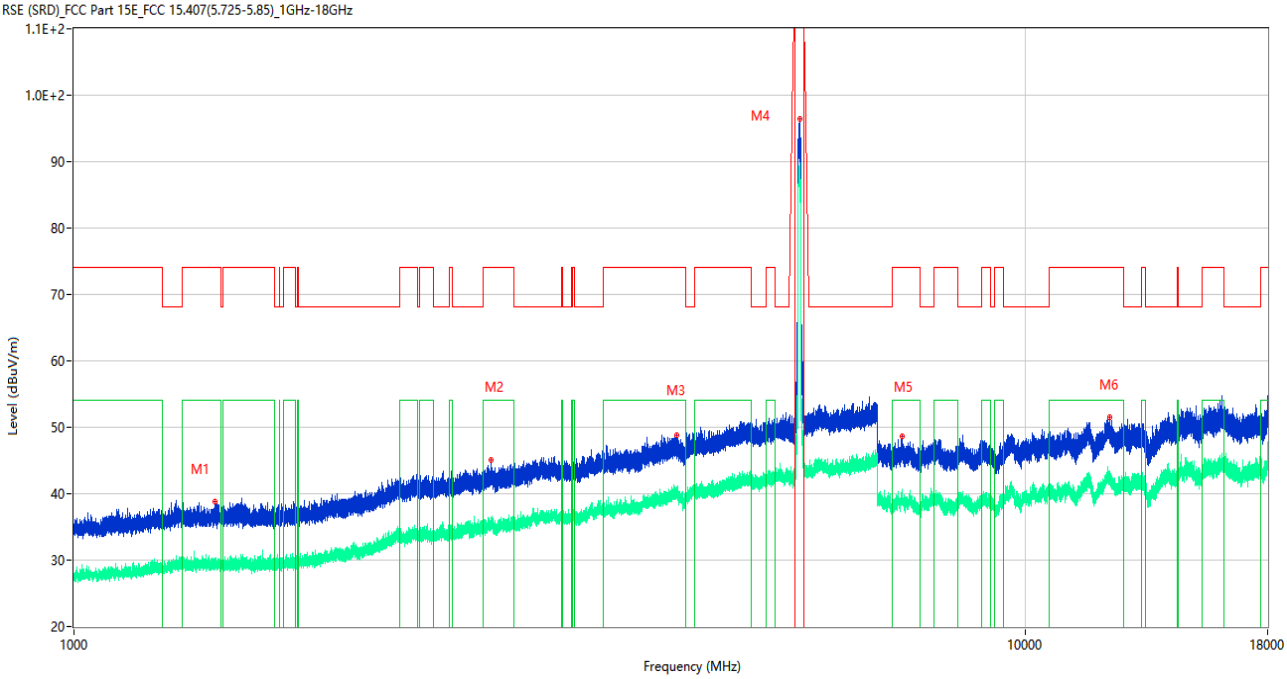
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1405.500	39.33	74.0	34.67	Peak	234.00	200	Vertical	Pass
1**	1405.500	29.22	54.0	24.78	AV	234.00	200	Vertical	Pass
2	2726.000	44.41	74.0	29.59	Peak	215.00	300	Vertical	Pass
2**	2726.000	34.68	54.0	19.32	AV	215.00	300	Vertical	Pass
3	4294.000	50.04	74.0	23.96	Peak	268.00	150	Vertical	Pass
3**	4294.000	40.80	54.0	13.20	AV	268.00	150	Vertical	Pass
4	5783.600	100.69	--	--	Peak	43.00	100	Vertical	N/A
4**	5783.600	93.42	--	--	AV	43.00	100	Vertical	N/A
5	7423.487	48.39	74.0	25.61	Peak	128.00	100	Vertical	Pass
5**	7423.487	40.27	54.0	13.73	AV	128.00	100	Vertical	Pass
6	12184.776	51.20	74.0	22.80	Peak	203.00	100	Vertical	Pass
6**	12184.776	42.62	54.0	11.38	AV	203.00	100	Vertical	Pass

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



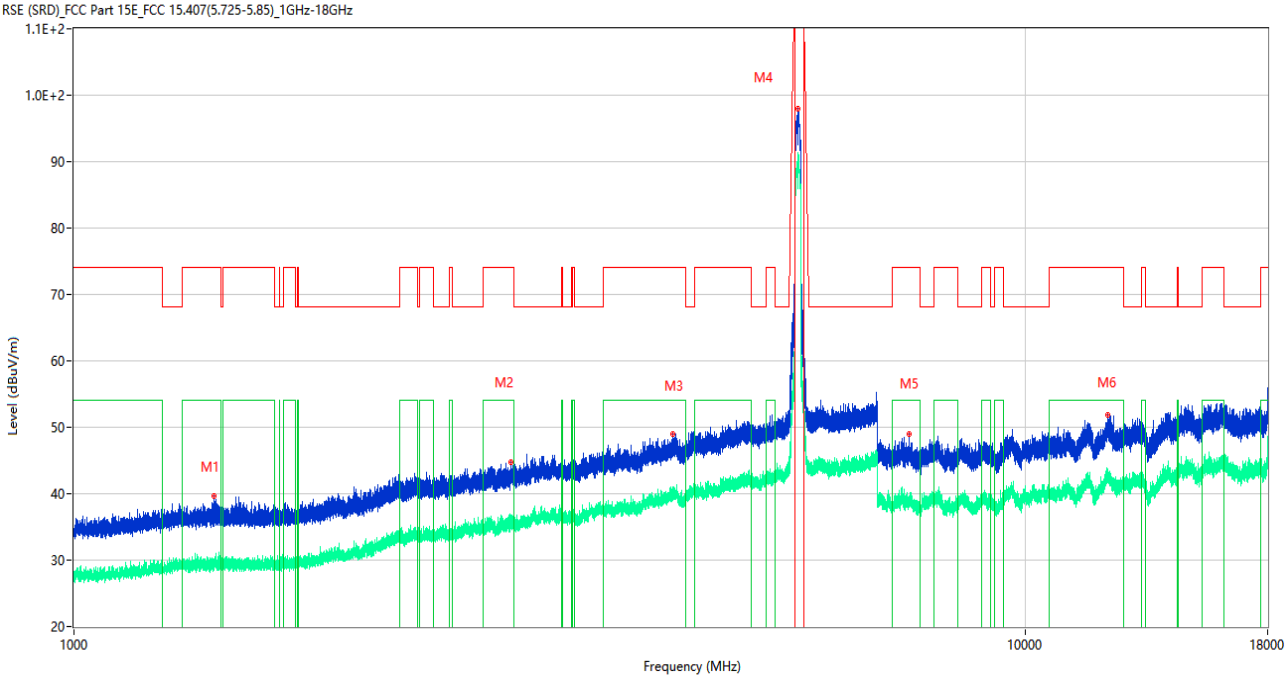
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1409.700	39.54	74.0	34.46	Peak	233.00	300	Horizontal	Pass
1**	1409.700	29.31	54.0	24.69	AV	233.00	300	Horizontal	Pass
2	2817.900	44.39	74.0	29.61	Peak	327.00	100	Horizontal	Pass
2**	2817.900	35.53	54.0	18.47	AV	327.00	100	Horizontal	Pass
3	4125.200	48.57	74.0	25.43	Peak	262.00	200	Horizontal	Pass
3**	4125.200	39.31	54.0	14.69	AV	262.00	200	Horizontal	Pass
4	5797.200	101.18	--	--	Peak	353.00	300	Horizontal	N/A
4**	5797.200	94.81	--	--	AV	353.00	300	Horizontal	N/A
5	7425.787	48.82	74.0	25.18	Peak	19.00	200	Horizontal	Pass
5**	7425.787	39.89	54.0	14.11	AV	19.00	200	Horizontal	Pass
6	11625.588	51.48	74.0	22.52	Peak	188.00	100	Horizontal	Pass
6**	11625.588	41.66	54.0	12.34	AV	188.00	100	Horizontal	Pass

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



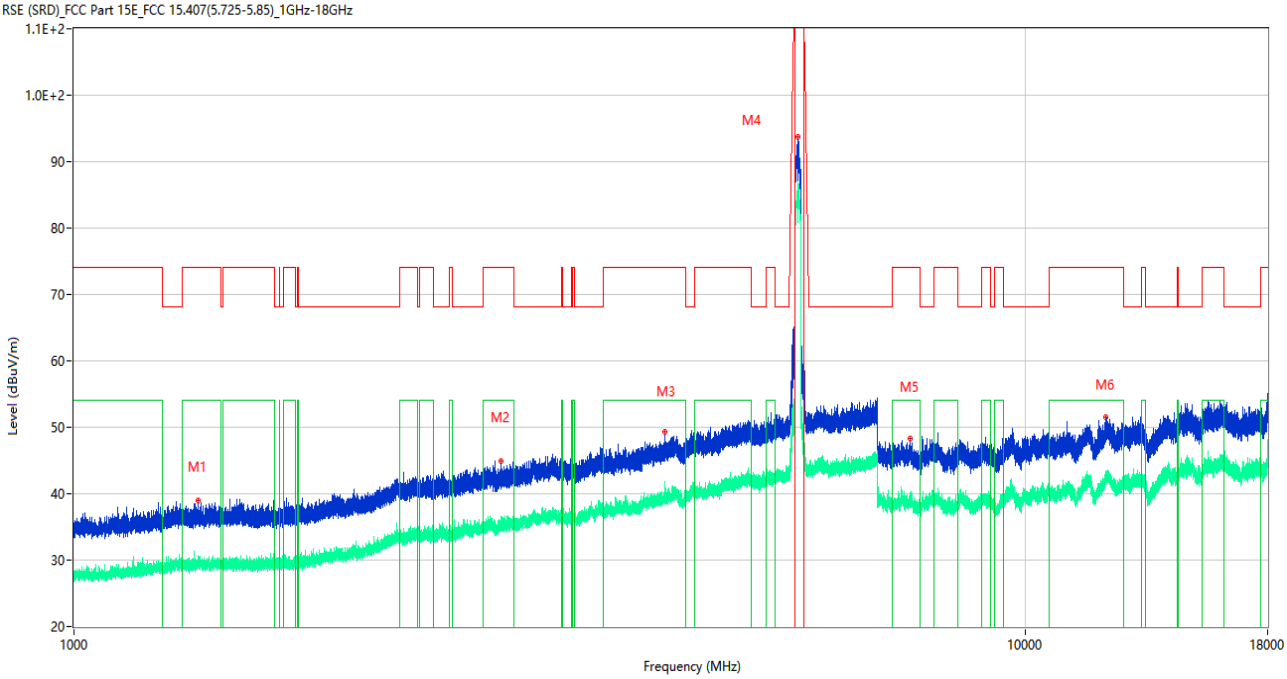
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1407.500	38.87	74.0	35.13	Peak	98.00	200	Vertical	Pass
1**	1407.500	30.16	54.0	23.84	AV	98.00	200	Vertical	Pass
2	2743.200	45.04	74.0	28.96	Peak	289.00	300	Vertical	Pass
2**	2743.200	35.29	54.0	18.71	AV	289.00	300	Vertical	Pass
3	4300.800	48.88	74.0	25.12	Peak	238.00	200	Vertical	Pass
3**	4300.800	39.96	54.0	14.04	AV	238.00	200	Vertical	Pass
4	5799.800	96.37	--	--	Peak	34.00	200	Vertical	N/A
4**	5799.800	87.94	--	--	AV	34.00	200	Vertical	N/A
5	7424.350	48.63	74.0	25.37	Peak	0.00	150	Vertical	Pass
5**	7424.350	39.85	54.0	14.15	AV	0.00	150	Vertical	Pass
6	12274.187	51.44	74.0	22.56	Peak	96.00	100	Vertical	Pass
6**	12274.187	41.82	54.0	12.18	AV	96.00	100	Vertical	Pass

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



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1404.000	39.61	74.0	34.39	Peak	239.00	200	Horizontal	Pass
1**	1404.000	29.71	54.0	24.29	AV	239.00	200	Horizontal	Pass
2	2879.900	44.77	74.0	29.23	Peak	146.00	200	Horizontal	Pass
2**	2879.900	35.21	54.0	18.79	AV	146.00	200	Horizontal	Pass
3	4260.400	48.98	74.0	25.02	Peak	67.00	100	Horizontal	Pass
3**	4260.400	39.95	54.0	14.05	AV	67.00	100	Horizontal	Pass
4	5777.200	97.98	--	--	Peak	351.00	100	Horizontal	N/A
4**	5777.200	90.73	--	--	AV	351.00	100	Horizontal	N/A
5	7564.362	48.97	74.0	25.03	Peak	126.00	200	Horizontal	Pass
5**	7564.362	39.07	54.0	14.93	AV	126.00	200	Horizontal	Pass
6	12227.037	51.86	74.0	22.14	Peak	341.00	200	Horizontal	Pass
6**	12227.037	42.71	54.0	11.29	AV	341.00	200	Horizontal	Pass

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



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1349.400	39.02	74.0	34.98	Peak	155.00	300	Vertical	Pass
1**	1349.400	29.24	54.0	24.76	AV	155.00	300	Vertical	Pass
2	2813.200	44.96	74.0	29.04	Peak	71.00	400	Vertical	Pass
2**	2813.200	35.32	54.0	18.68	AV	71.00	400	Vertical	Pass
3	4178.600	49.26	74.0	24.74	Peak	224.00	200	Vertical	Pass
3**	4178.600	41.78	54.0	12.22	AV	224.00	200	Vertical	Pass
4	5773.200	93.72	--	--	Peak	260.00	100	Vertical	N/A
4**	5773.200	85.85	--	--	AV	260.00	100	Vertical	N/A
5	7568.963	48.22	74.0	25.78	Peak	296.00	100	Vertical	Pass
5**	7568.963	39.03	54.0	14.97	AV	296.00	100	Vertical	Pass
6	12168.100	51.53	74.0	22.47	Peak	190.00	100	Vertical	Pass
6**	12168.100	42.81	54.0	11.19	AV	190.00	100	Vertical	Pass

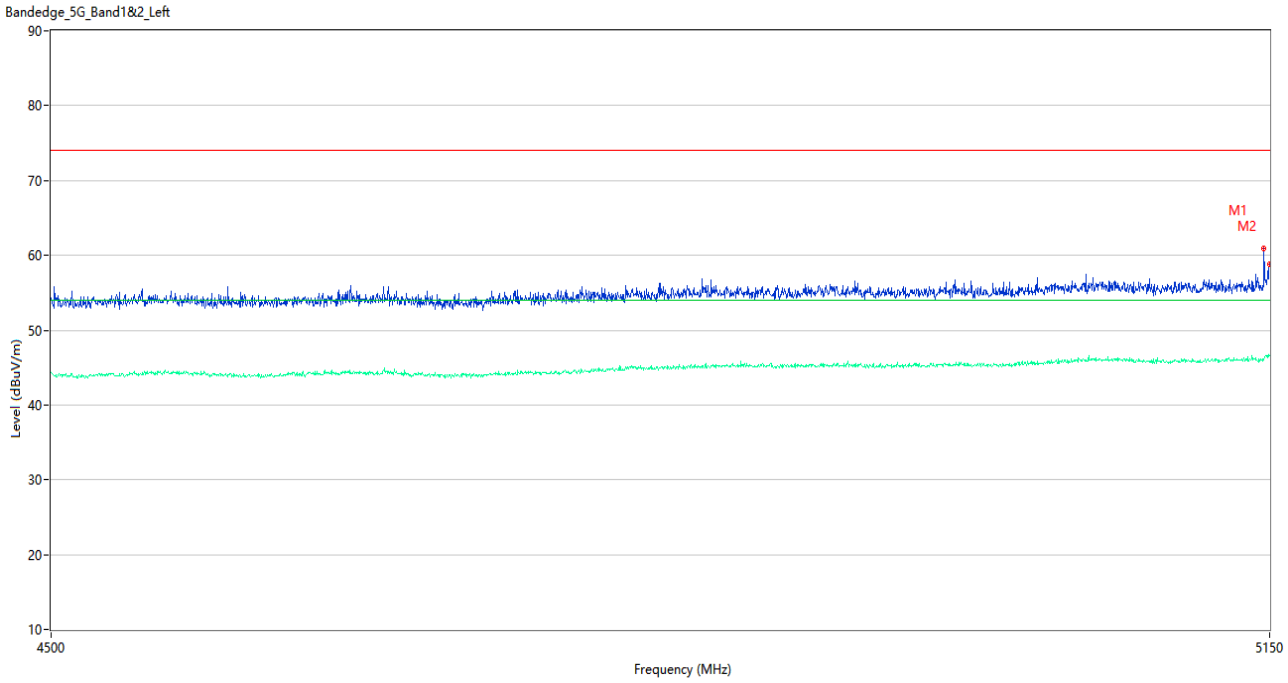
A.6.2 Band Edge (Restricted-band)

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

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

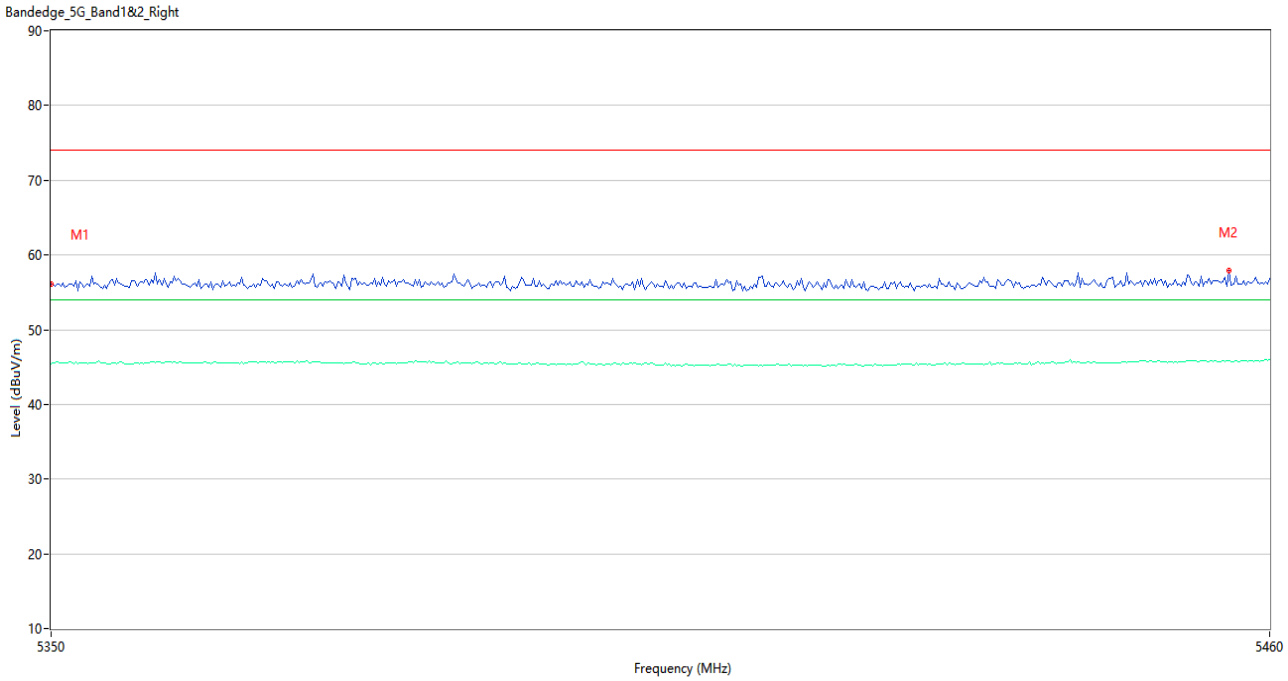
Test Data

U-NII-1 11a Low Channel



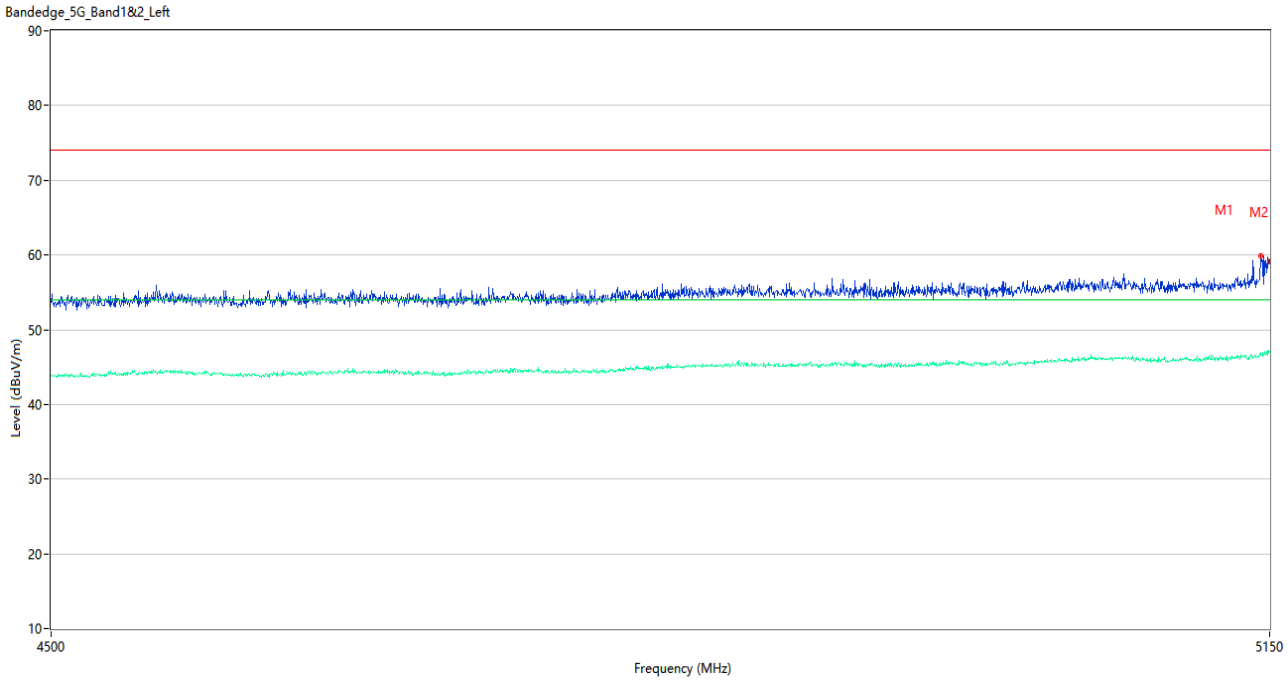
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5146.750	60.98	74.0	13.02	Peak	127.00	400	Vertical	Pass
1**	5146.750	46.04	54.0	7.96	AV	127.00	400	Vertical	Pass
2	5150.000	58.74	74.0	15.26	Peak	127.00	200	Vertical	Pass
2**	5150.000	46.64	54.0	7.36	AV	127.00	200	Vertical	Pass

U-NII-1 11a High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.08	74.0	17.92	Peak	360.00	100	Horizontal	Pass
1**	5350.000	45.47	54.0	8.53	AV	360.00	100	Horizontal	Pass
2	5456.333	57.96	74.0	16.04	Peak	170.00	200	Horizontal	Pass
2**	5456.333	45.79	54.0	8.21	AV	170.00	200	Horizontal	Pass

U-NII-1 11n20 Low Channel

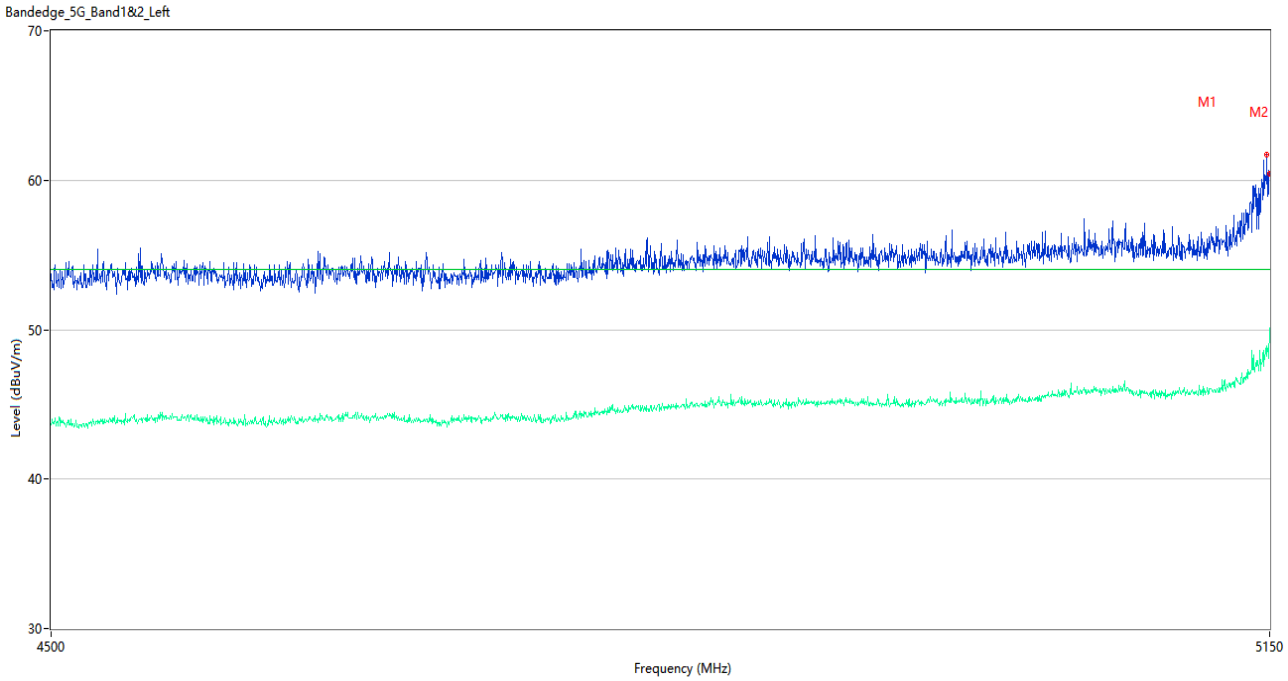


No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5144.800	59.81	74.0	14.19	Peak	313.00	300	Horizontal	Pass
1**	5144.800	46.94	54.0	7.06	AV	313.00	300	Horizontal	Pass
2	5150.000	59.11	74.0	14.89	Peak	326.00	300	Horizontal	Pass
2**	5150.000	47.10	54.0	6.90	AV	326.00	300	Horizontal	Pass

U-NII-1 11n20 High Channel

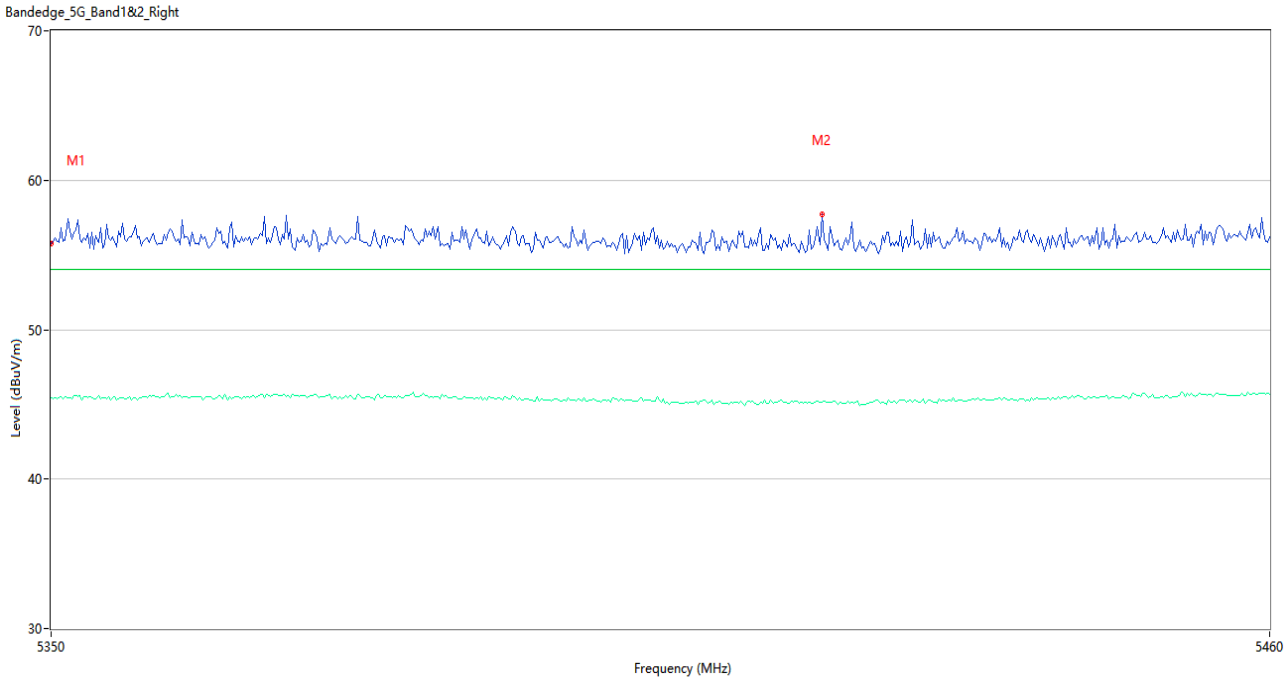
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.69	74.0	18.31	Peak	187.00	400	Vertical	Pass
1**	5350.000	45.48	54.0	8.52	AV	187.00	400	Vertical	Pass
2	5451.750	57.32	74.0	16.68	Peak	117.00	300	Vertical	Pass
2**	5451.750	45.81	54.0	8.19	AV	117.00	300	Vertical	Pass

U-NII-1 11n40 Low Channel



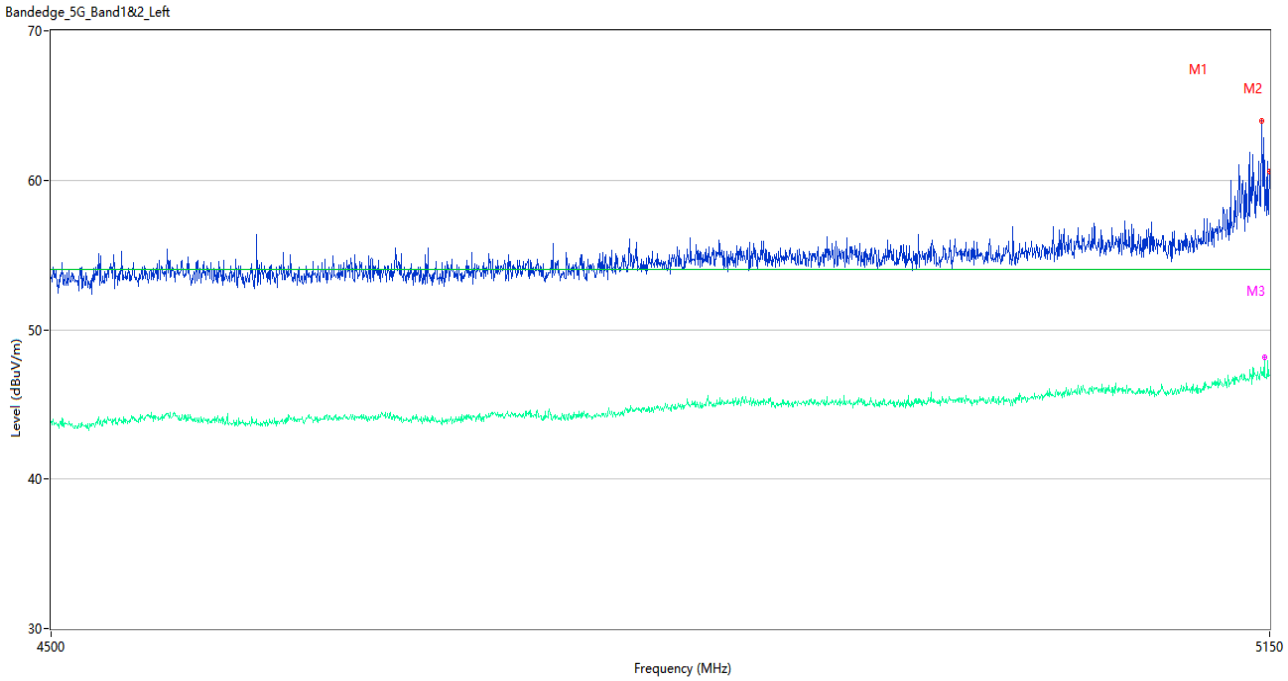
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5148.375	61.72	74.0	12.28	Peak	129.00	300	Vertical	Pass
1**	5148.375	48.23	54.0	5.77	AV	129.00	300	Vertical	Pass
2	5150.000	60.44	74.0	13.56	Peak	129.00	200	Vertical	Pass
2**	5150.000	50.08	54.0	3.92	AV	129.00	200	Vertical	Pass

U-NII-1 11n40 High Channel



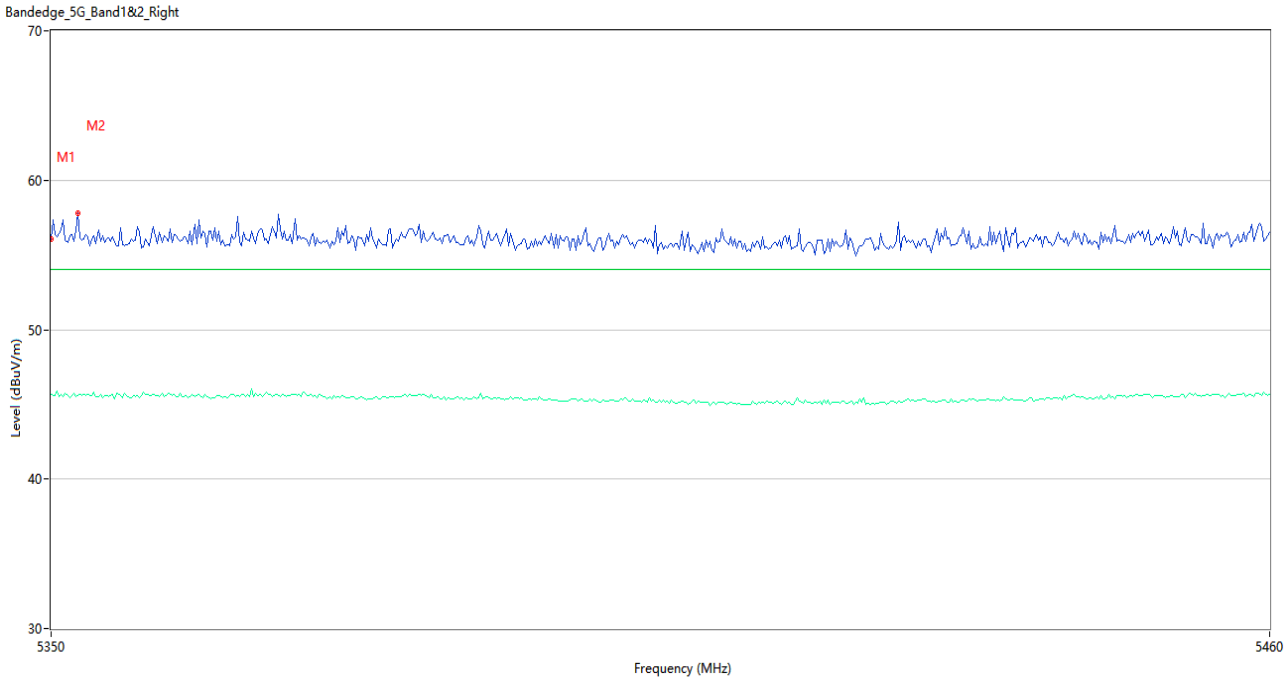
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.78	74.0	18.22	Peak	212.00	100	Horizontal	Pass
1**	5350.000	45.43	54.0	8.57	AV	212.00	100	Horizontal	Pass
2	5419.300	57.69	74.0	16.31	Peak	149.00	300	Horizontal	Pass
2**	5419.300	45.10	54.0	8.90	AV	149.00	300	Horizontal	Pass

U-NII-1 11ac80 Middle Channel



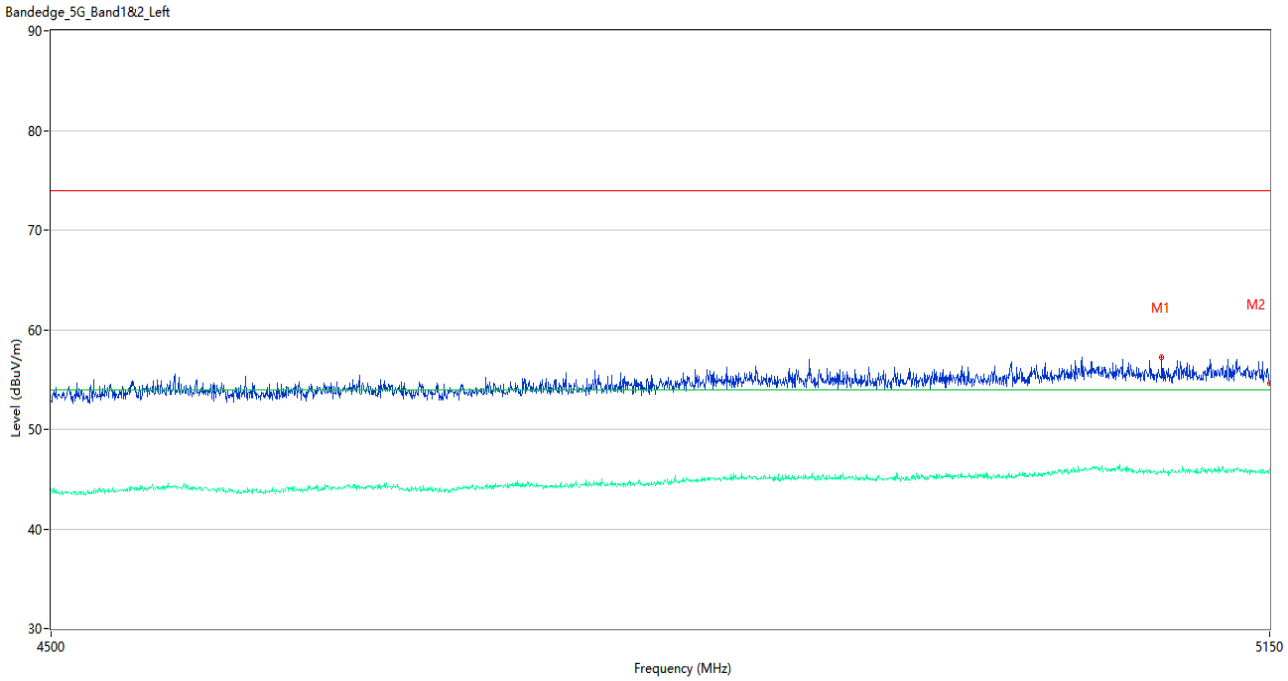
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5145.450	63.98	74.0	10.02	Peak	42.00	300	Horizontal	Pass
1**	5145.450	46.98	54.0	7.02	AV	42.00	300	Horizontal	Pass
2	5150.000	60.56	74.0	13.44	Peak	178.00	100	Horizontal	Pass
2**	5150.000	46.94	54.0	7.06	AV	178.00	100	Horizontal	Pass
3	5147.075	60.01	74.0	13.99	Peak	310.00	150	Horizontal	Pass
3**	5147.075	48.17	54.0	5.83	AV	310.00	150	Horizontal	Pass

U-NII-1 11ac80 Middle Channel



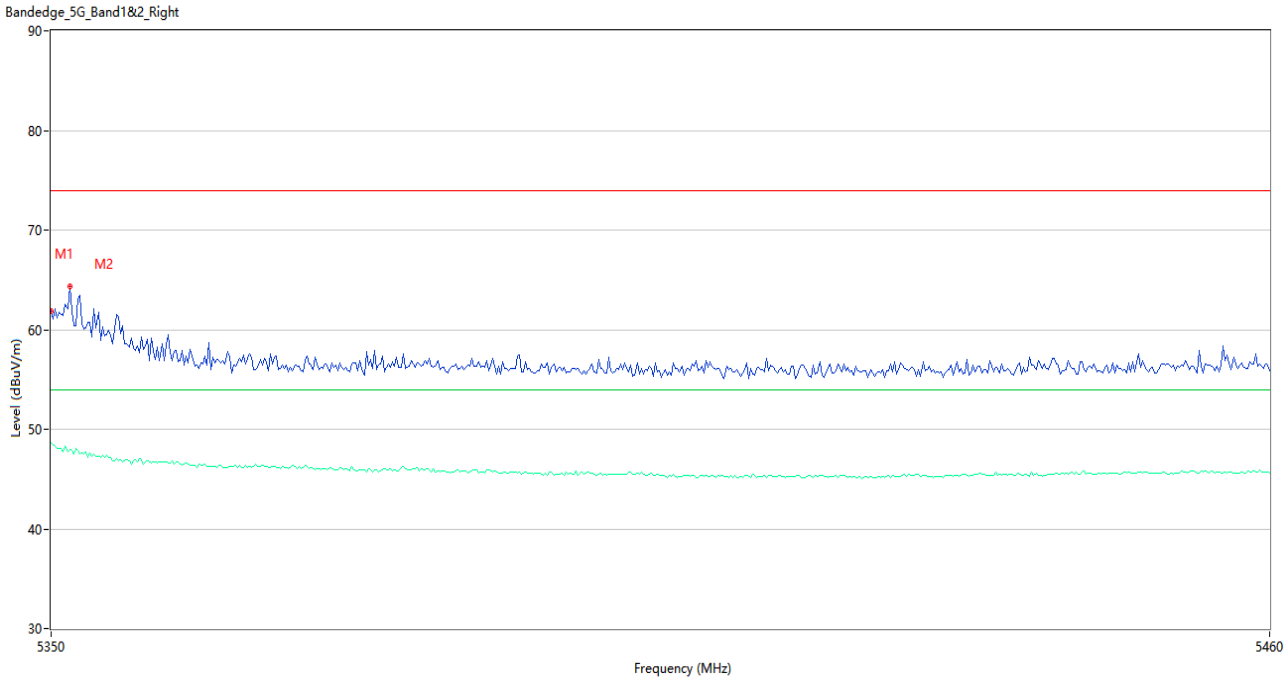
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.07	74.0	17.93	Peak	0.00	400	Horizontal	Pass
1**	5350.000	45.64	54.0	8.36	AV	0.00	400	Horizontal	Pass
2	5352.383	57.77	74.0	16.23	Peak	343.00	200	Horizontal	Pass
2**	5352.383	45.57	54.0	8.43	AV	343.00	200	Horizontal	Pass

U-NII-2A 11a Low Channel



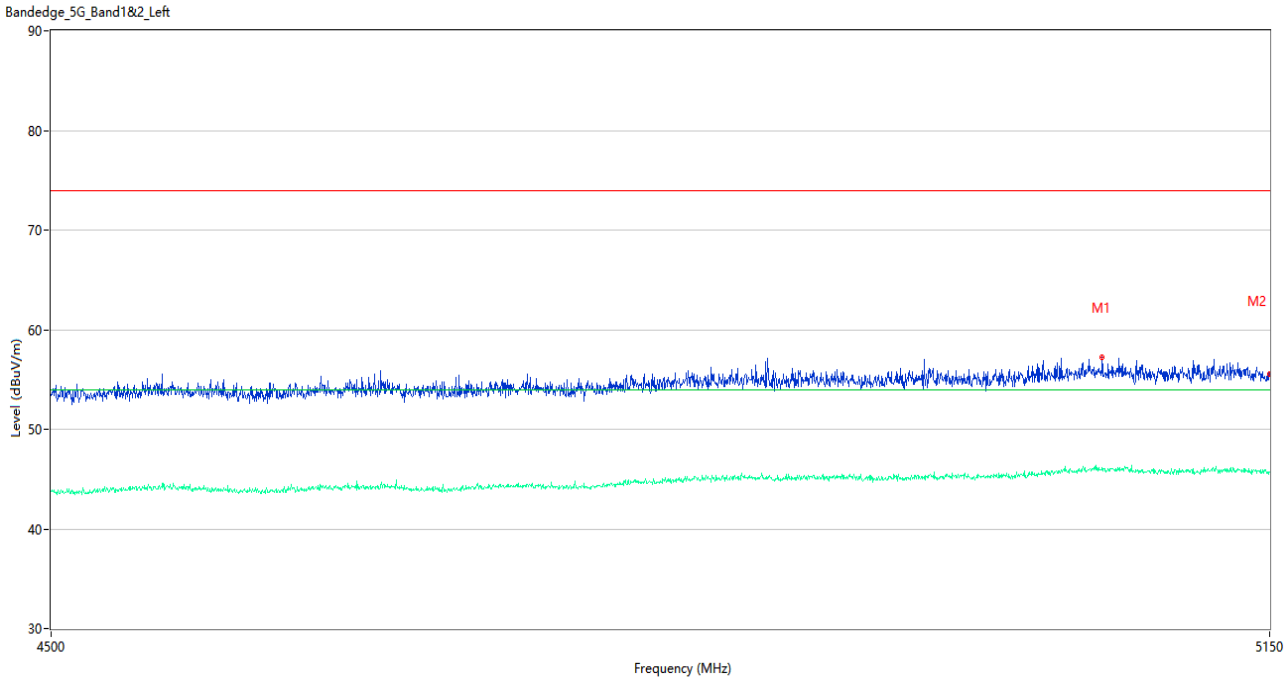
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5088.900	57.25	74.0	16.75	Peak	83.00	400	Horizontal	Pass
1**	5088.900	45.70	54.0	8.30	AV	83.00	400	Horizontal	Pass
2	5150.000	54.69	74.0	19.31	Peak	140.00	400	Horizontal	Pass
2**	5150.000	46.00	54.0	8.00	AV	140.00	400	Horizontal	Pass

U-NII-2A 11a High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	61.91	74.0	12.09	Peak	1.00	400	Horizontal	Pass
1**	5350.000	48.60	54.0	5.40	AV	1.00	400	Horizontal	Pass
2	5351.650	64.30	74.0	9.70	Peak	336.00	400	Horizontal	Pass
2**	5351.650	47.95	54.0	6.05	AV	336.00	400	Horizontal	Pass

U-NII-2A 11n20 Low Channel

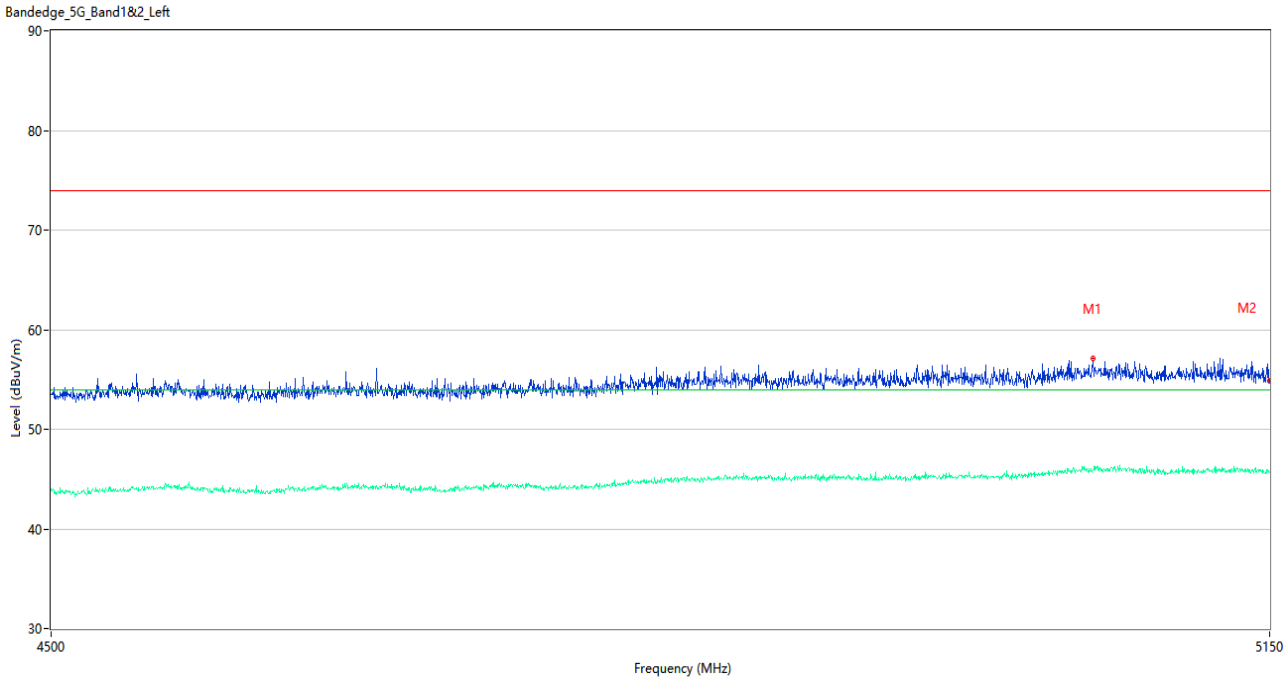


No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5055.425	57.21	74.0	16.79	Peak	164.00	100	Vertical	Pass
1**	5055.425	46.12	54.0	7.88	AV	164.00	100	Vertical	Pass
2	5150.000	55.51	74.0	18.49	Peak	323.00	300	Vertical	Pass
2**	5150.000	45.69	54.0	8.31	AV	323.00	300	Vertical	Pass

U-NII-2A 11n20 High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	63.98	74.0	10.02	Peak	342.00	300	Horizontal	Pass
1**	5350.000	48.56	54.0	5.44	AV	342.00	300	Horizontal	Pass
2	5351.283	63.25	74.0	10.75	Peak	360.00	200	Horizontal	Pass
2**	5351.283	48.08	54.0	5.92	AV	360.00	200	Horizontal	Pass

U-NII-2A 11n40 Low Channel

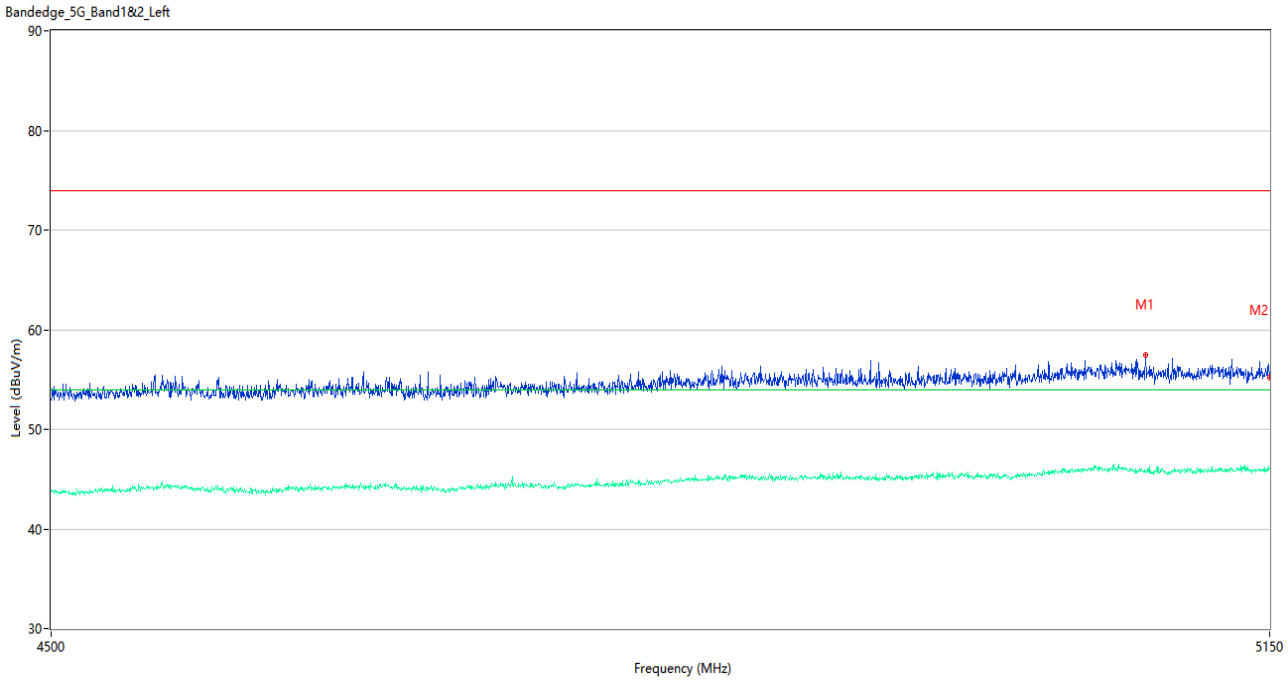


No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5050.225	57.12	74.0	16.88	Peak	284.00	100	Horizontal	Pass
1**	5050.225	45.92	54.0	8.08	AV	284.00	100	Horizontal	Pass
2	5150.000	54.88	74.0	19.12	Peak	157.00	200	Horizontal	Pass
2**	5150.000	45.76	54.0	8.24	AV	157.00	200	Horizontal	Pass

U-NII-2A 11n40 High Channel

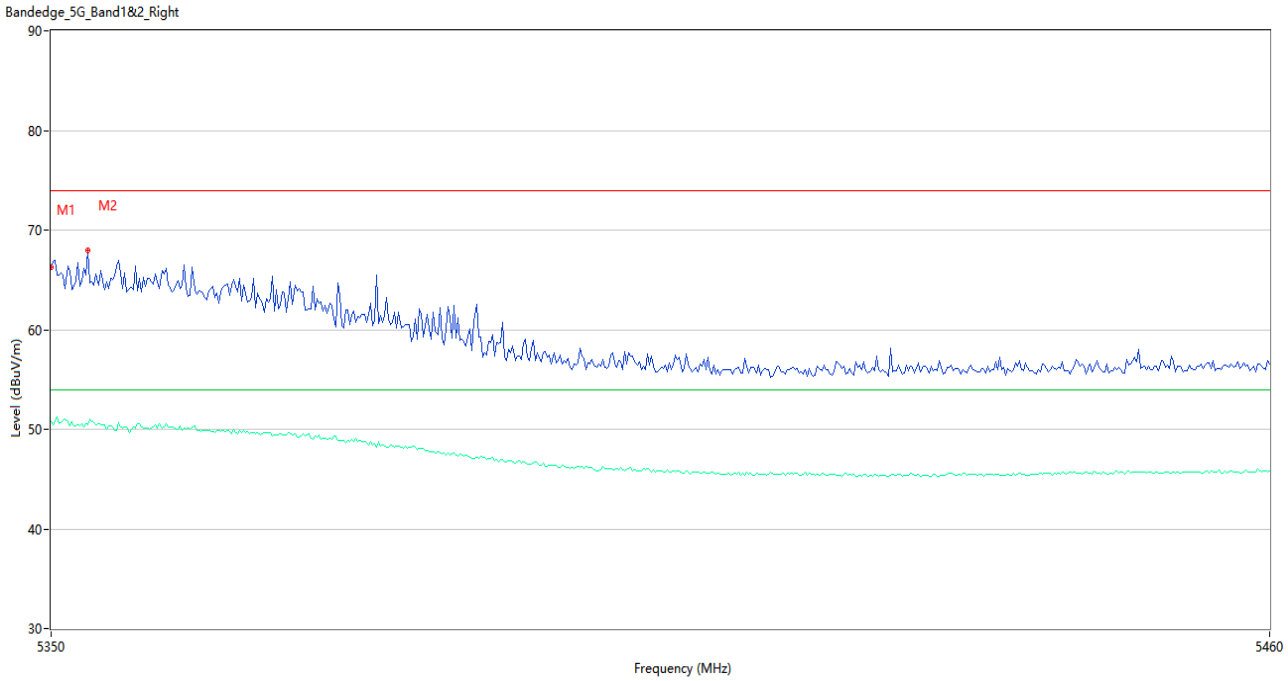
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	65.45	74.0	8.55	Peak	356.00	200	Horizontal	Pass
1**	5350.000	49.04	54.0	4.96	AV	356.00	200	Horizontal	Pass
2	5351.467	68.92	74.0	5.08	Peak	0.00	200	Horizontal	Pass
2**	5351.467	48.97	54.0	5.03	AV	0.00	200	Horizontal	Pass

U-NII-2A 11ac80 Middle Channel



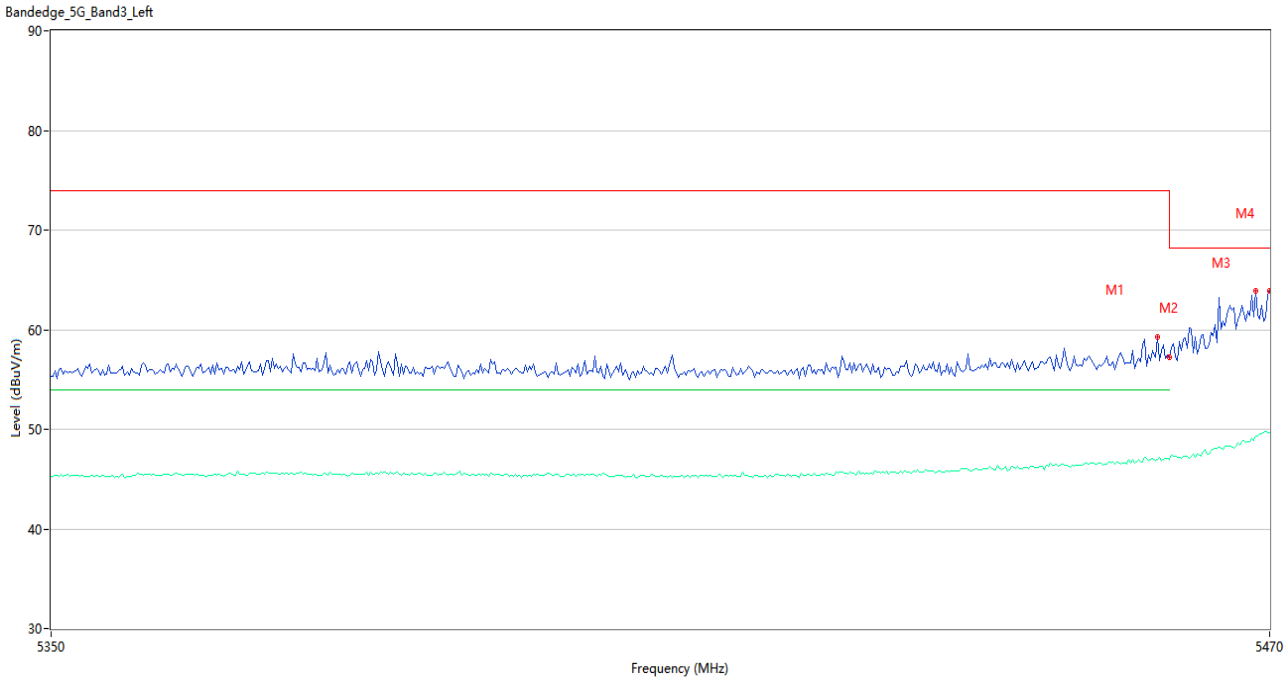
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5079.800	57.51	74.0	16.49	Peak	276.00	400	Horizontal	Pass
1**	5079.800	45.69	54.0	8.31	AV	276.00	400	Horizontal	Pass
2	5150.000	55.25	74.0	18.75	Peak	132.00	300	Horizontal	Pass
2**	5150.000	45.99	54.0	8.01	AV	132.00	300	Horizontal	Pass

U-NII-2A 11ac80 Middle Channel



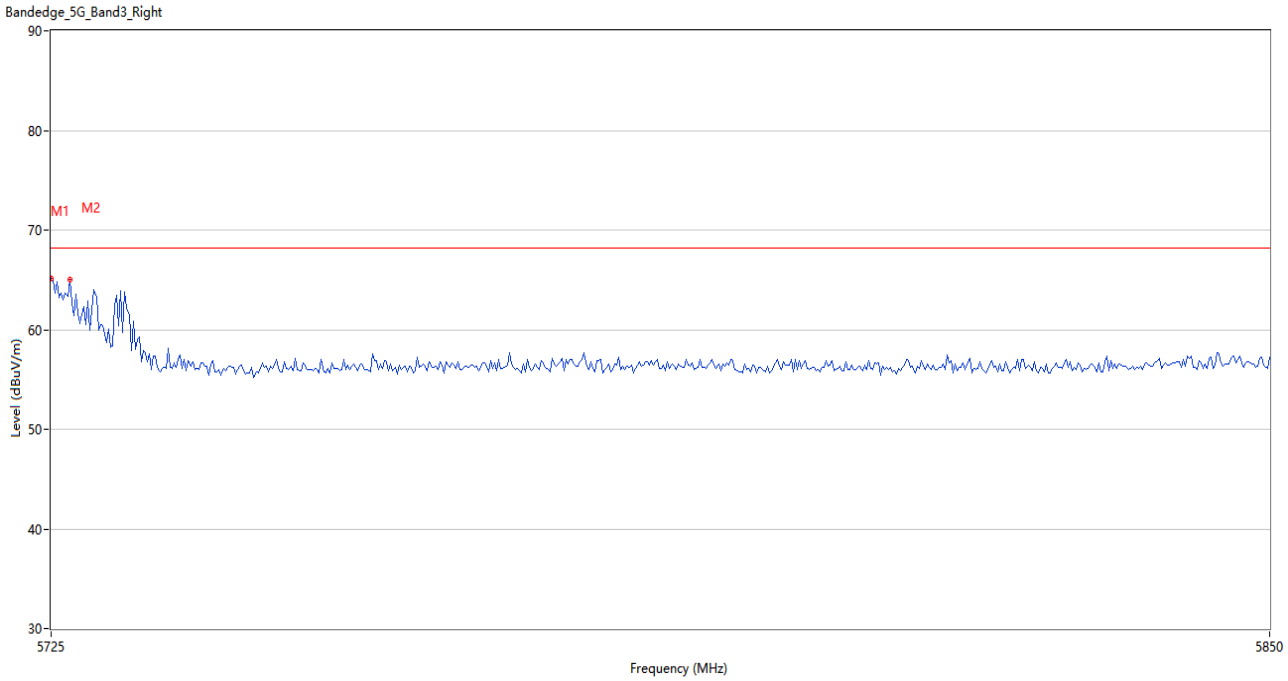
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	66.24	74.0	7.76	Peak	21.00	200	Vertical	Pass
1**	5350.000	50.78	54.0	3.22	AV	21.00	200	Vertical	Pass
2	5353.300	67.92	74.0	6.08	Peak	0.00	300	Vertical	Pass
2**	5353.300	50.43	54.0	3.57	AV	0.00	300	Vertical	Pass

U-NII-2C 11a Low Channel



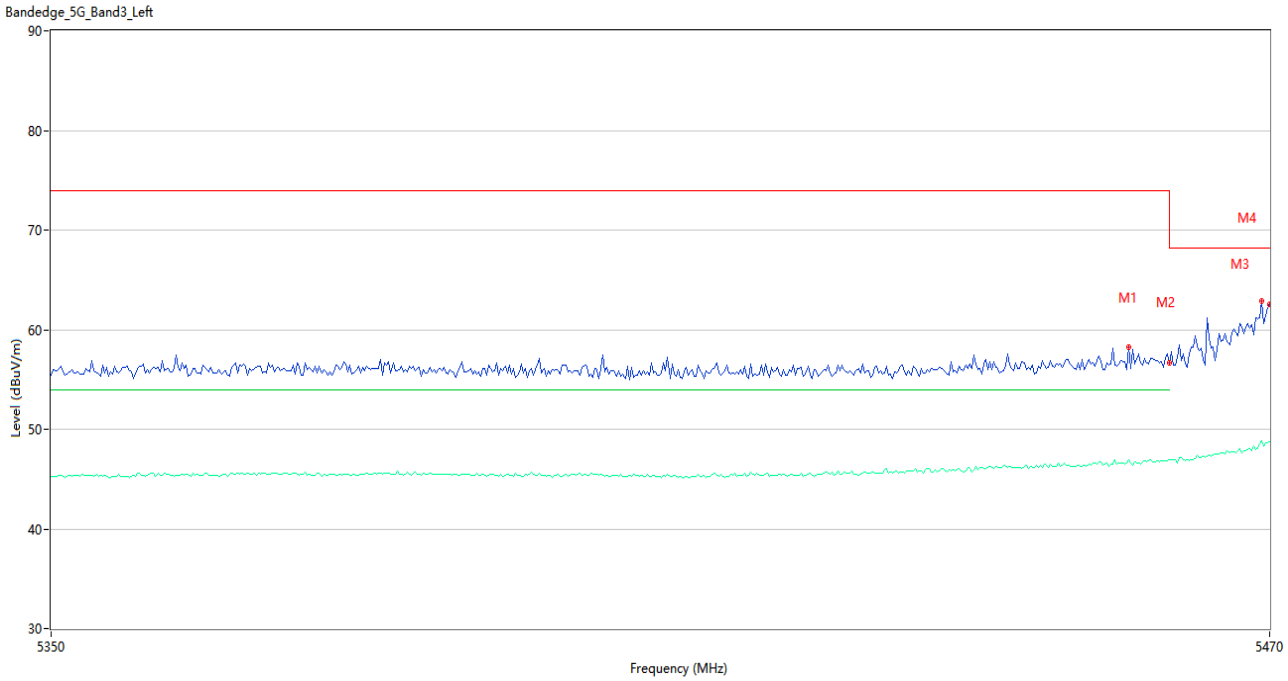
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5458.800	59.26	74.0	14.74	Peak	319.00	200	Horizontal	Pass
1**	5458.800	46.96	54.0	7.04	AV	319.00	200	Horizontal	Pass
2	5460.000	57.18	74.0	16.82	Peak	319.00	200	Horizontal	Pass
2**	5460.000	46.94	54.0	7.06	AV	319.00	200	Horizontal	Pass
3	5468.600	63.95	68.2	4.25	Peak	319.00	300	Horizontal	Pass
3**	5468.600	49.33	--	--	AV	319.00	300	Horizontal	N/A
4	5470.000	63.90	68.2	4.30	Peak	305.00	400	Horizontal	Pass
4**	5470.000	49.71	--	--	AV	305.00	400	Horizontal	N/A

U-NII-2C 11a High Channel



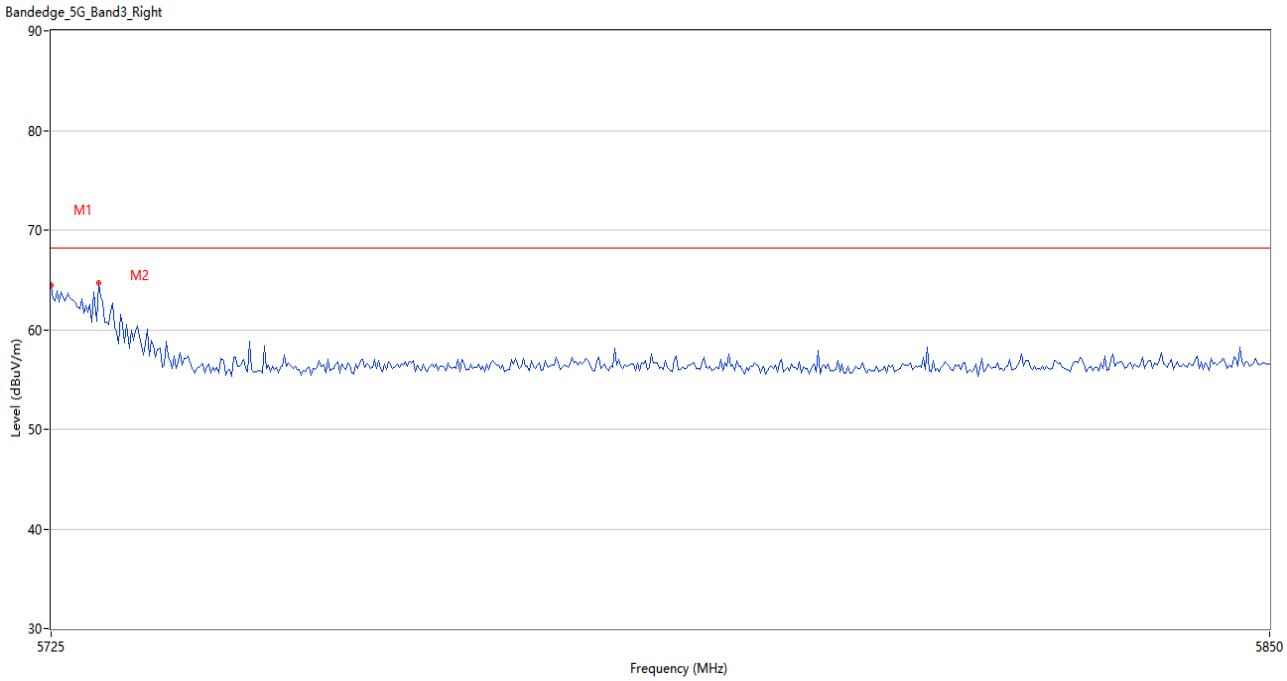
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	65.20	68.2	3.00	Peak	345.00	300	Horizontal	Pass
2	5726.875	65.00	68.2	3.20	Peak	351.00	400	Horizontal	Pass

U-NII-2C 11n20 Low Channel



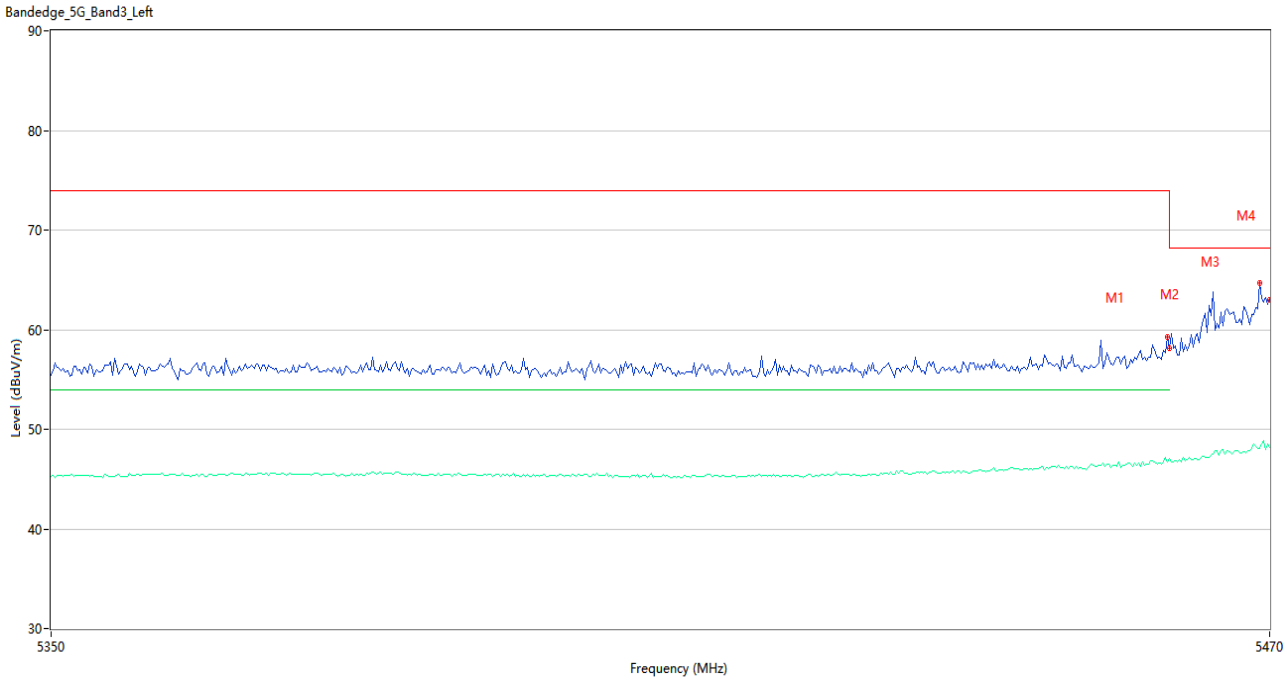
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5456.000	58.25	74.0	15.75	Peak	307.00	200	Horizontal	Pass
1**	5456.000	46.92	54.0	7.08	AV	307.00	200	Horizontal	Pass
2	5460.000	56.63	74.0	17.37	Peak	307.00	400	Horizontal	Pass
2**	5460.000	47.00	54.0	7.00	AV	307.00	400	Horizontal	Pass
3	5469.200	62.84	68.2	5.36	Peak	307.00	400	Horizontal	Pass
3**	5469.200	48.87	--	--	AV	307.00	400	Horizontal	N/A
4	5470.000	62.50	68.2	5.70	Peak	307.00	300	Horizontal	Pass
4**	5470.000	48.75	--	--	AV	307.00	300	Horizontal	N/A

U-NII-2C 11n20 High Channel



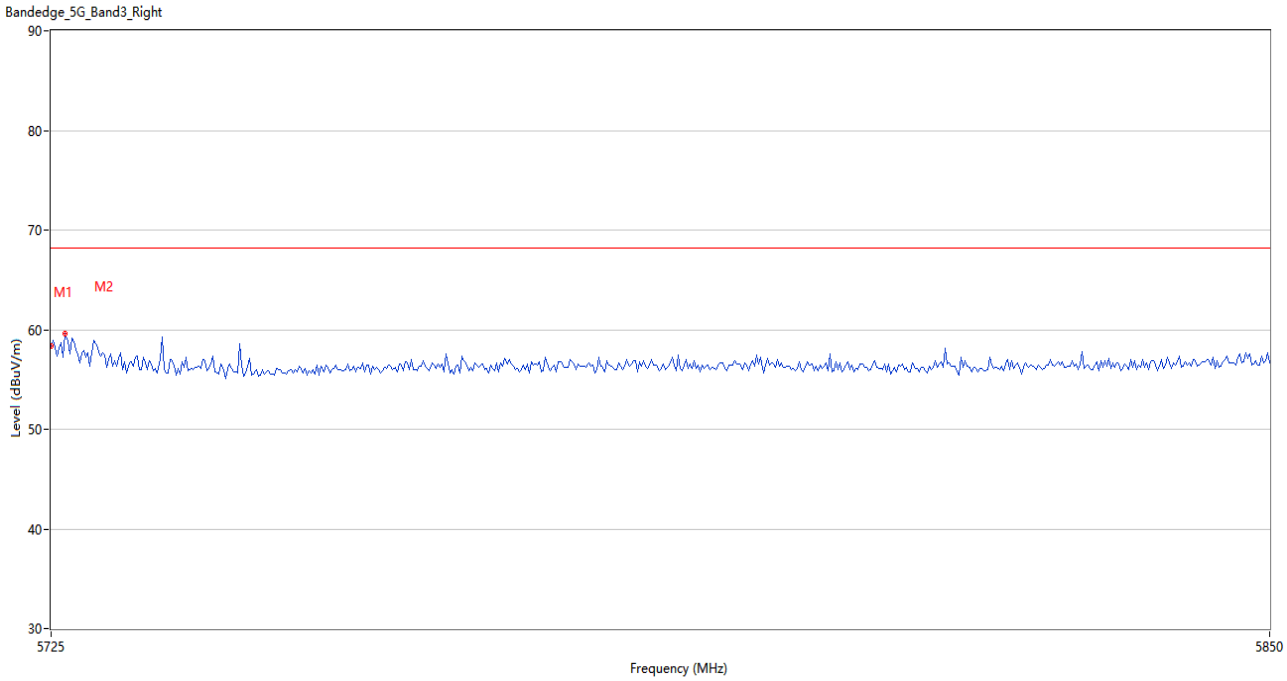
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	64.45	68.2	3.75	Peak	360.00	100	Horizontal	Pass
2	5729.791	64.65	68.2	3.55	Peak	349.00	400	Horizontal	Pass

U-NII-2C 11n40 Low Channel



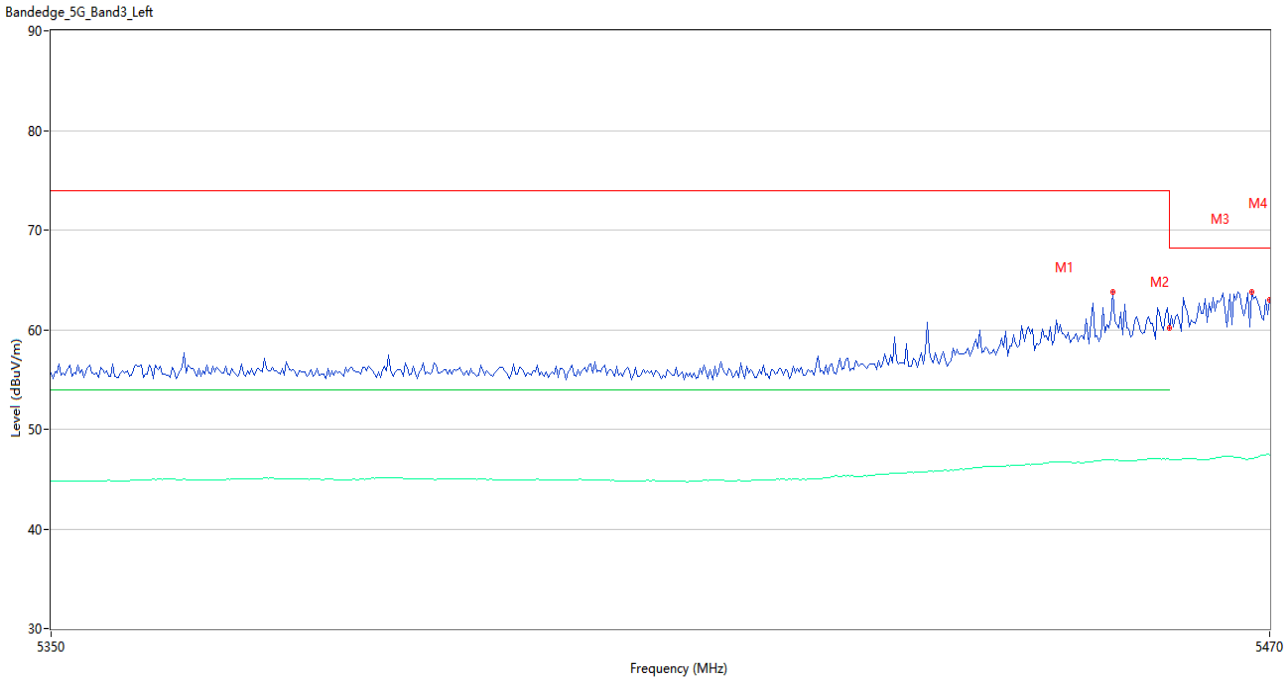
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5459.800	59.28	74.0	14.72	Peak	321.00	100	Horizontal	Pass
1**	5459.800	46.69	54.0	7.31	AV	321.00	100	Horizontal	Pass
2	5460.000	58.17	74.0	15.83	Peak	334.00	200	Horizontal	Pass
2**	5460.000	47.06	54.0	6.94	AV	334.00	200	Horizontal	Pass
3	5469.000	64.70	68.2	3.50	Peak	316.00	200	Horizontal	Pass
3**	5469.000	48.09	--	--	AV	316.00	200	Horizontal	N/A
4	5470.000	63.04	68.2	5.16	Peak	303.00	300	Horizontal	Pass
4**	5470.000	48.15	--	--	AV	303.00	300	Horizontal	N/A

U-NII-2C 11n40 High Channel



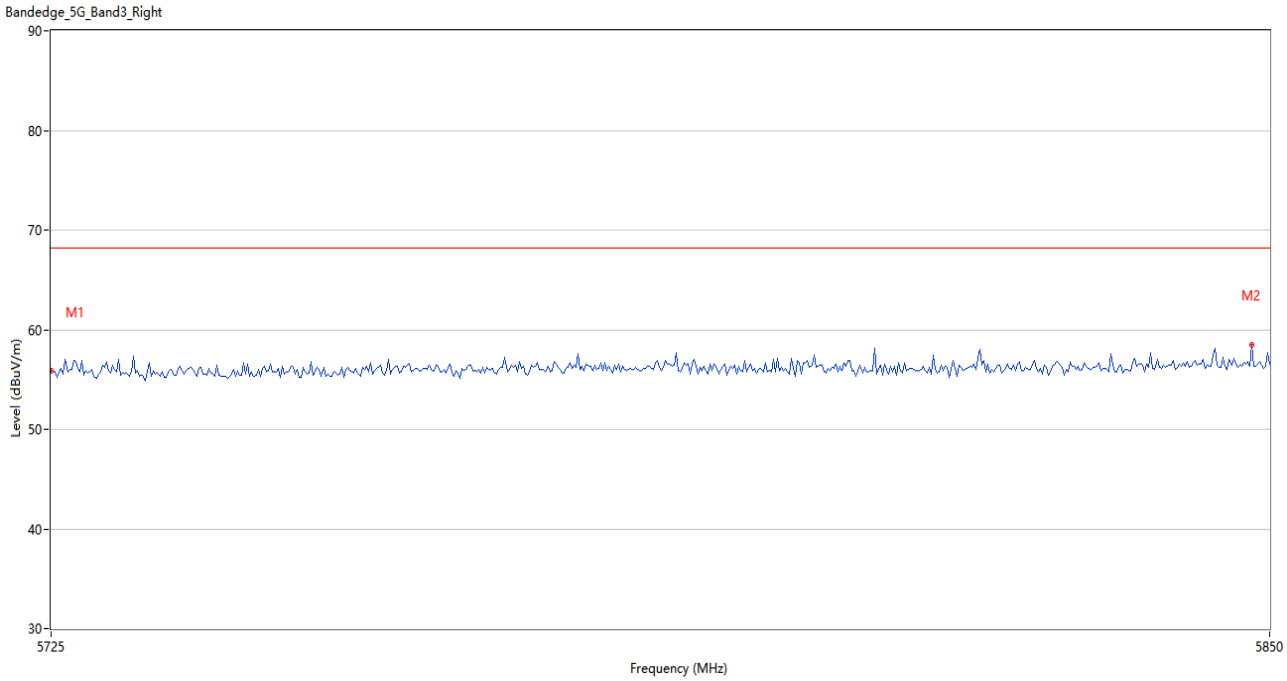
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	58.35	68.2	9.85	Peak	351.00	100	Horizontal	Pass
2	5726.458	59.61	68.2	8.59	Peak	356.00	300	Horizontal	Pass

U-NII-2C 11ac80 Middle Channel



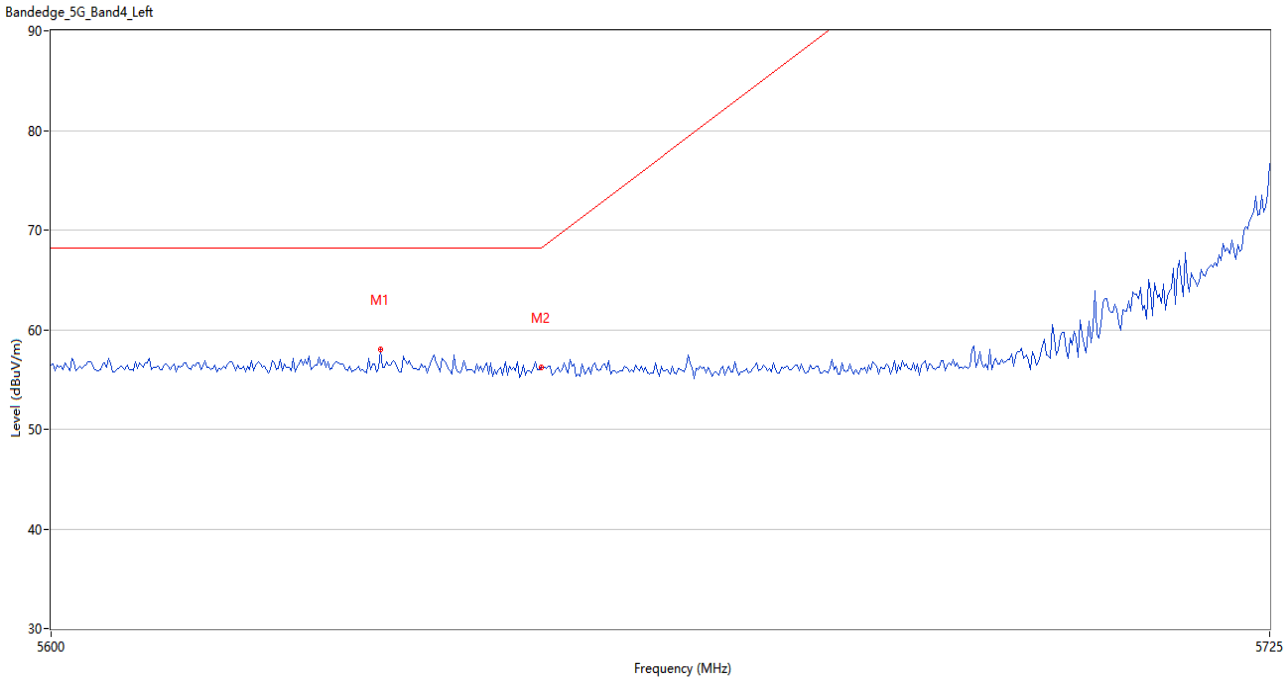
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5454.400	63.83	74.0	10.17	Peak	0.00	100	Horizonta	Pass
1**	5454.400	46.93	54.0	7.07	AV	0.00	100	Horizonta	Pass
2	5460.000	60.11	68.2	8.09	Peak	0.00	100	Horizonta	Pass
2**	5460.000	46.96	54.0	7.04	AV	0.00	100	Horizonta	Pass
3	5468.200	63.75	68.2	4.45	Peak	0.00	100	Horizonta	Pass
3**	5468.200	47.02	--	--	AV	0.00	100	Horizonta	N/A
4	5470.000	62.90	68.2	5.30	Peak	327.00	400	Horizontal	Pass
4**	5470.000	49.36	--	--	AV	327.00	400	Horizontal	N/A

U-NII-2C 11ac80 Middle Channel



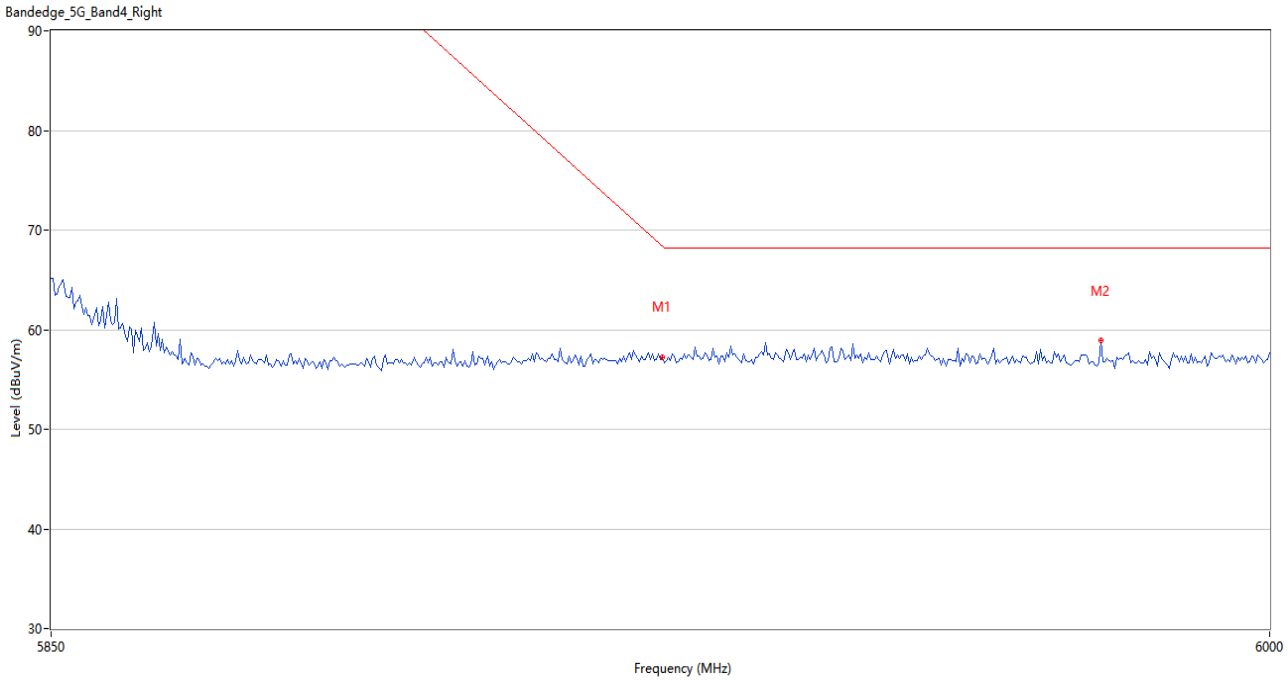
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	55.83	68.2	12.37	Peak	360.00	300	Horizontal	Pass
2	5848.125	58.45	68.2	9.75	Peak	81.00	100	Horizontal	Pass

U-NII-3 11a Low Channel



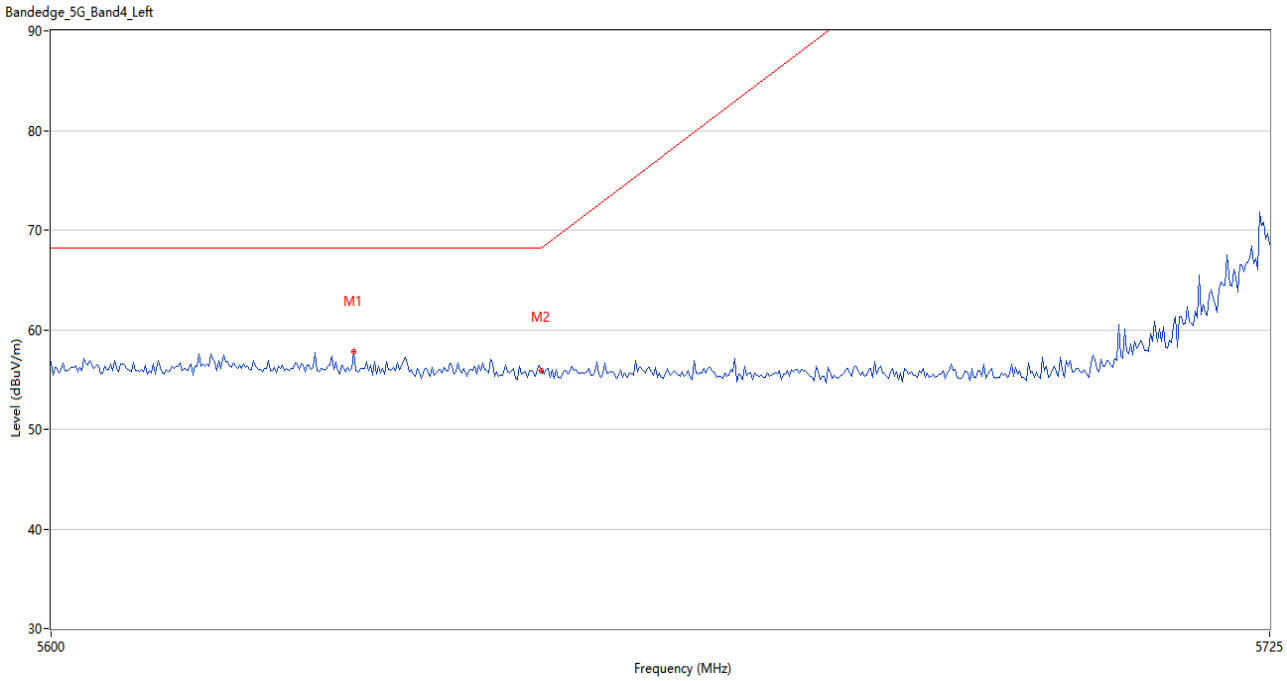
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5633.542	58.05	68.2	10.15	Peak	349.00	100	Horizontal	Pass
2	5650.000	56.22	68.2	11.98	Peak	272.00	400	Horizontal	Pass

U-NII-3 11a High Channel



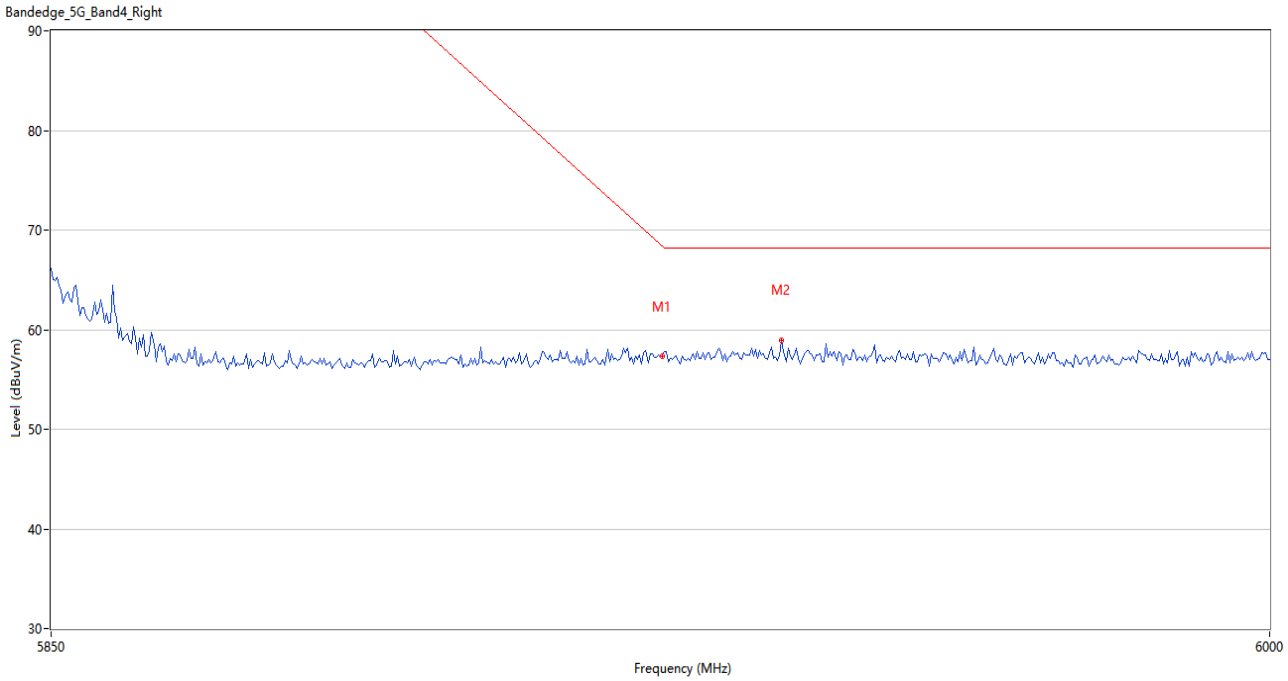
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.750	57.28	68.4	11.12	Peak	63.00	100	Vertical	Pass
2	5979.000	58.95	68.2	9.25	Peak	0.00	300	Vertical	Pass

U-NII-3 11n20 Low Channel



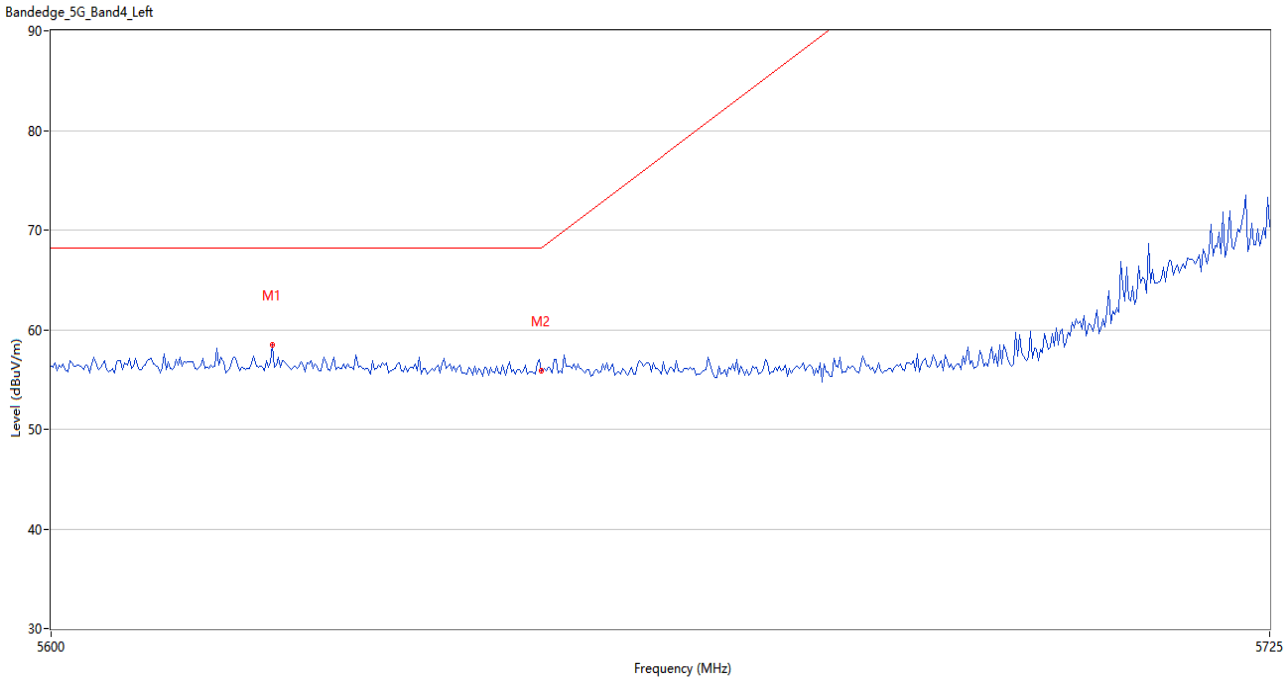
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5630.834	57.85	68.2	10.35	Peak	93.00	100	Vertical	Pass
2	5650.000	55.84	68.2	12.36	Peak	231.00	100	Vertical	Pass

U-NII-3 11n20 High Channel



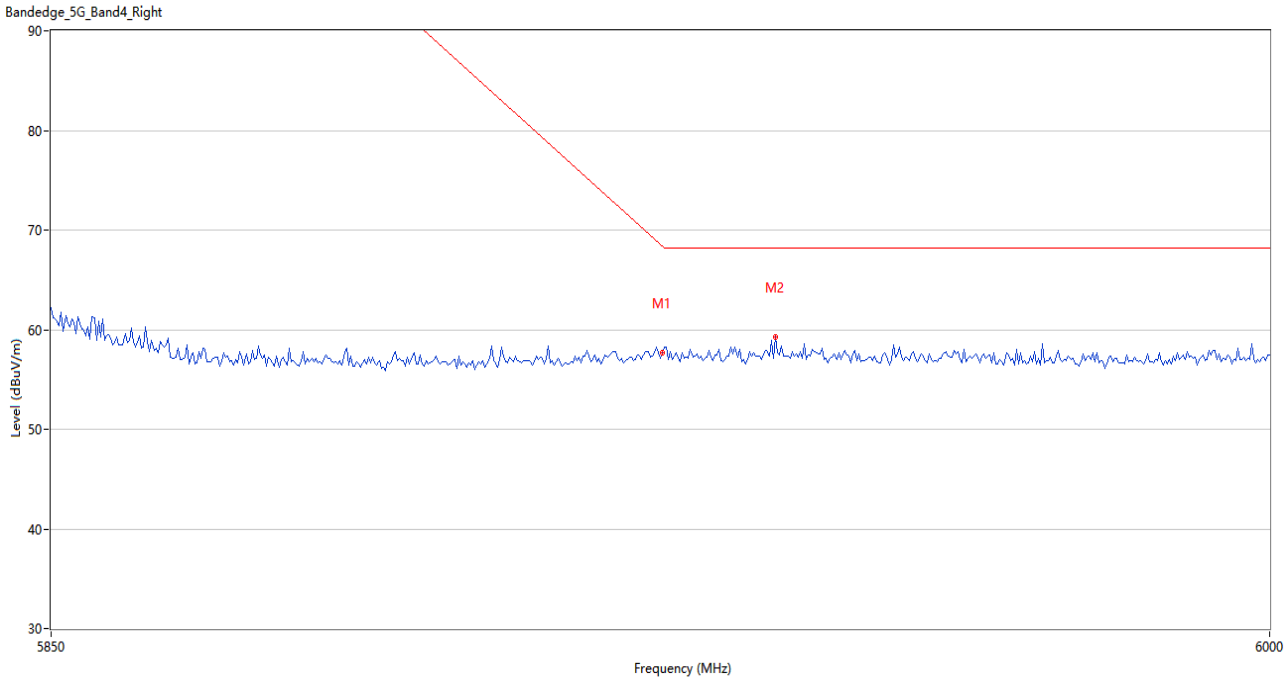
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.750	57.33	68.4	11.07	Peak	254.00	200	Vertical	Pass
2	5939.500	58.96	68.2	9.24	Peak	77.00	300	Vertical	Pass

U-NII-3 11n40 Low Channel



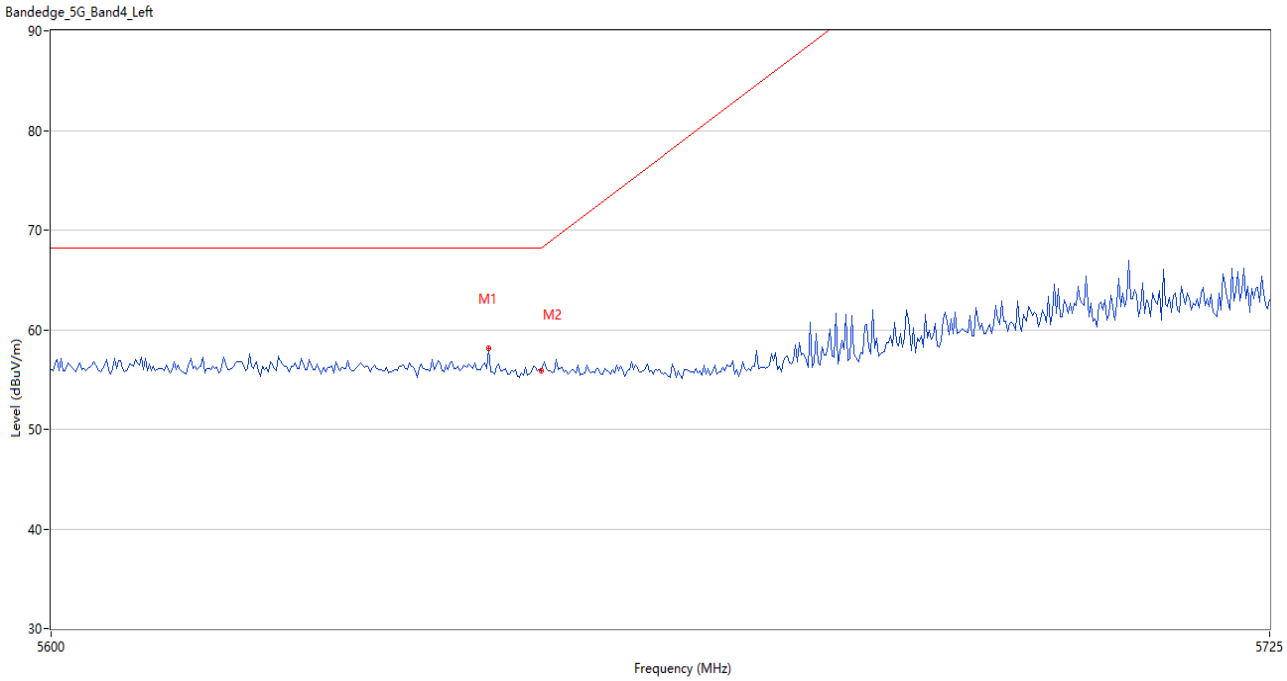
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5622.500	58.46	68.2	9.74	Peak	197.00	400	Horizontal	Pass
2	5650.000	55.86	68.2	12.34	Peak	62.00	400	Horizontal	Pass

U-NII-3 11n40 High Channel



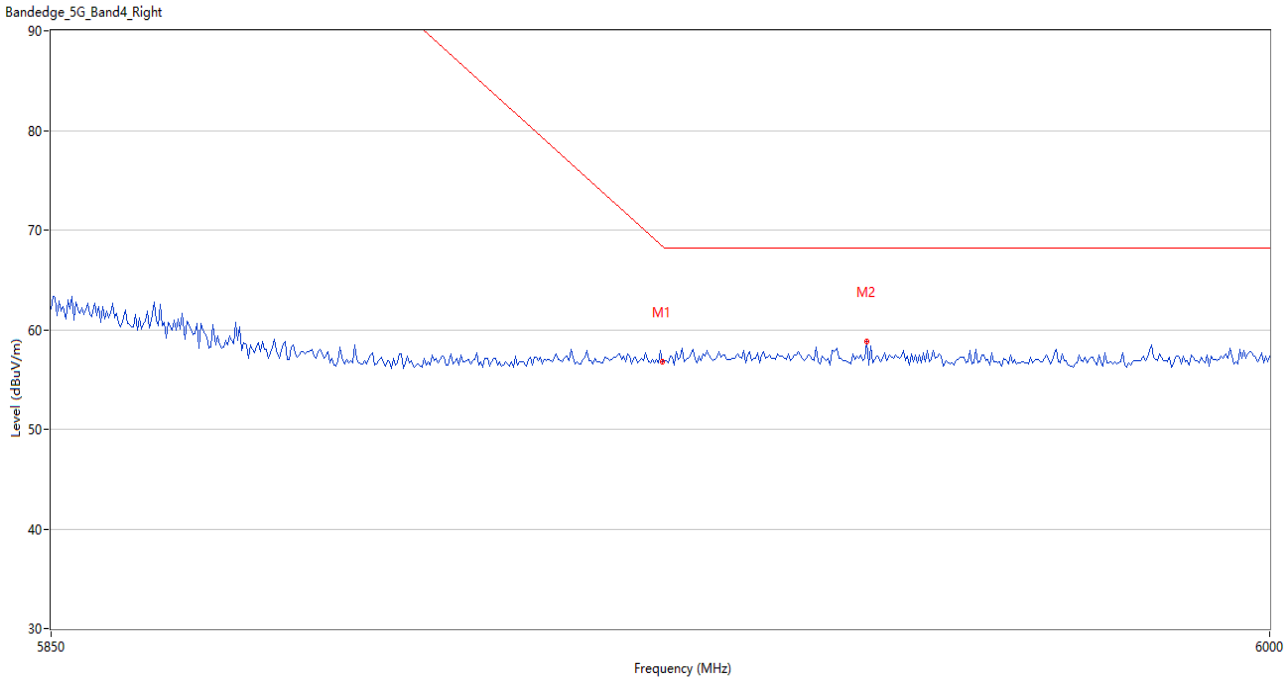
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.750	57.63	68.4	10.77	Peak	156.00	300	Horizontal	Pass
2	5938.750	59.24	68.2	8.96	Peak	358.00	400	Horizontal	Pass

U-NII-3 11ac80 Middle Channel



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5644.583	58.11	68.2	10.09	Peak	35.00	100	Vertical	Pass
2	5650.000	55.89	68.2	12.31	Peak	3.00	400	Vertical	Pass

U-NII-3 11ac80 Middle Channel



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.750	56.74	68.4	11.66	Peak	5.00	100	Horizontal	Pass
2	5950.000	58.76	68.2	9.44	Peak	187.00	200	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2531395-AR-2.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2531395-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2531395-AI.PDF”.

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--END OF REPORT--