TEST REPORT

Applicant:	Thundercomm Technology Co., Ltd
Address:	No. 107, Middle Datagu Road, Xiantao Street, Yubei District, Chongqing, China, 401122
Equipment Type:	RUBIK Pi
Model Name:	RUBIK Pi 3 (refer to section 2.4)
Brand Name:	RUBIK Pi
FCC ID:	2AOHHRUBIKPI3
Test Standard:	47 CFR Part 15 Subpart E (refer to section 3.1)
Sample Arrival Date:	Dec. 17, 2024
Test Date:	Dec. 17, 2024 - Feb. 14, 2025
Date of Issue:	Feb. 17, 2025

ISSUED BY:

Shanghai Tejet Communications Technology Co., Ltd. Testing Center

Tested by: Hai Su **Checked by:** Zhang Yanqing **Approved by:** Chen Zidong (Technical Director)

Revision History

Version	Issue Date	Revisions
Rev. 01	Jan. 24, 2025	Initial Issue
Rev. 02	Feb. 17, 2025	Add the straddle channel data to the report The original report is invalid.

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1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shanghai Tejet Communications Technology Co., Ltd. Testing Center
Address	1st to 2nd floors, Building 1, No. 222 Xuanlan Road, Xuanqiao Town, Pudong New District, Shanghai

1.2 Test Location

Name	Shanghai Tejet Communications Technology Co., Ltd. Testing Center
Location	1st to 2nd floors, Building 1, No. 222 Xuanlan Road, Xuanqiao Town, Pudong New District, Shanghai
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1352.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Thundercomm Technology Co., Ltd
Address	No. 107, Middle Datagu Road, Xiantao Street, Yubei District, Chongqing, China, 401122

2.2 Manufacturer Information

Manufacturer	Thundercomm Technology Co., Ltd
Address	No. 107, Middle Datagu Road, Xiantao Street, Yubei District, Chongqing, China, 401122

2.3 Factory Information

Factory	Daidong Zegna (Dongguan) Electronics Co.,Ltd.
Address	No. 41 Gangjian Road, Changping Town, Dongguan City, Guangdong Province 523581, P.R.China

2.4 General Description for Equipment under Test (EUT)

EUT Name	RUBIK Pi
Model Name Under Test	RUBIK Pi 3
Series Model Name	RUBIK Pi 3 Lite
Description of Model name differentiation	All models are same with electrical parameters and internal circuit structure, but only differ in model name. (this information provided by the applicant)
Sample Number	SC-SZ24B0972-S06 SC-SZ24B0972-S12
Hardware Version	V02
Software Version	LE 1.0
Dimensions (Approx.)	N/A
Weight (Approx.)	67.5g
NOTE:The product Memory designed with two different Hardware. Please find bellow detail: 1. The product comes in two memory configurations:8GB + 128GB and 4GB + 64GB. 2. The two memory chips are from different manufacturers.	

2.5 Technical Information

Network and Wireless connectivity	Bluetooth (BR+EDR+BLE) 2.4G WIFI 802.11b,802.11g,802.11n(HT20) 5G WIFI 802.11a,802.11n(HT20/40),802.11ac(VHT20/40/80)

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
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: 16.85 dBm U-NII-2A: 16.67 dBm U-NII-2C: 16.74 dBm U-NII-3: 14.11 dBm
Antenna System	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	PCB Antenna
Antenna Gain	U-NII-1: 5150 MHz to 5250 MHz: 4.61 dBi U-NII-2A: 5250 MHz to 5350 MHz: 4.66 dBi U-NII-2C: 5470 MHz to 5725 MHz: 4.88 dBi U-NII-3: 5725 MHz to 5850 MHz: 4.90 dBi
About the Product	The equipment is module, intended for used with information technology equipment.

2.6 Channel List

20 MHz		40 MHz		80 MHz	
Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)
36	**5180**	**38**	**5190**	**42**	**5210**
40	5200	**46**	**5230**	**58**	**5290**
44	**5220**	**54**	**5270**	**106**	**5530**
48	**5240**	**62**	**5310**	**138**	**5690**
52	**5260**	**102**	**5510**	**155**	**5775**
56	5280	110	5550		
60	**5300**	**142**	**5710**		
64	**5320**	**151**	**5755**		
100	**5500**	**159**	**5795**		
104	5520				
108	5540				
112	5560				
116	**5580**				
136	5680				
140	**5700**				
144	**5720**				
149	**5745**				
153	5765				
157	**5785**				
161	5805				
165	**5825**				

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

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

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

U-NII-2C (5470 - 5725 MHz)			U-NII-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
100	Low	5500	144	--	5720
116	Mid	5580	149	Low	5745
140	High	5700	157	Mid	5785
144	--	5720	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 (5150 - 5250 MHz)			U-NII-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
102	Low	5510	142	--	5710
118	Mid	5590	151	Low	5755
134	High	5670	159	High	5795
142	--	5710			

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	138	--	5690
122	High	5610	155	Mid	5775
138	--	5690			

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	144/140/116/100	165/157/149/144
	11n(20 MHz)	6.5		48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11n(40 MHz)	13.5		46/38	62/54	142/134/118/102	159/151/142
	11ac(20 MHz)	6.5		48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11ac(40 MHz)	13.5		46/38	62/54	142/134/118/102	159/151/142
	11ac(80 MHz)	29.3		42	58	138/122/106	155/138
	11ax(20 MHz)	4		48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11ax(40 MHz)	8		46/38	62/54	142/134/118/102	159/151/142
	11ax(80 MHz)	17		42	58	138/122/106	155/138
Emission Bandwidth & 99% Occupied Bandwidth	11a	6	BPSK	48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11n(20 MHz)	6.5		48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11n(40 MHz)	13.5		46/38	62/54	142/134/118/102	159/151/142
	11ac(20 MHz)	6.5		48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11ac(40 MHz)	13.5		46/38	62/54	142/134/118/102	159/151/142
	11ac(80 MHz)	29.3		42	58	138/122/106	155/138
	11ax(20 MHz)	4		48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11ax(40 MHz)	8		46/38	62/54	142/134/118/102	159/151/142
	11ax(80 MHz)	17		42	58	138/122/106	155/138
6 dB bandwidth	11a	6	BPSK	N/A	N/A	N/A	165/157/149/144
	11n(20 MHz)	6.5		N/A	N/A	N/A	165/157/149/144
	11n(40 MHz)	13.5		N/A	N/A	N/A	159/151/142
	11ac(20 MHz)	6.5		N/A	N/A	N/A	165/157/149/144
	11ac(40 MHz)	13.5		N/A	N/A	N/A	159/151/142
	11ac(80 MHz)	29.3		N/A	N/A	N/A	155/138
	11ax(20 MHz)	4		N/A	N/A	N/A	165/157/149/144
	11ax(40 MHz)	8		N/A	N/A	N/A	159/151/142
	11ax(80 MHz)	17		N/A	N/A	N/A	155/138
Power Spectral Density	11a	6	BPSK	48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11n(20 MHz)	6.5		48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11n(40 MHz)	13.5		46/38	62/54	142/134/118/102	159/151/142
	11ac(20 MHz)	6.5		48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11ac(40 MHz)	13.5		46/38	62/54	142/134/118/102	159/151/142
	11ac(80 MHz)	29.3		42	58	138/122/106	155/138
	11ax(20 MHz)	4		48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11ax(40 MHz)	8		46/38	62/54	142/134/118/102	159/151/142

	11ax(80 MHz)	17		42	58	138/122/106	155/138
Radiated Spurious Emissions	11a	6	BPSK	48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11n(20 MHz)	6.5		48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11n(40 MHz)	13.5		46/38	62/54	142/134/118/102	159/151/142
	11ac(20 MHz)	6.5		48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11ac(40 MHz)	13.5		46/38	62/54	142/134/118/102	159/151/142
	11ac(80 MHz)	29.3		42	58	138/122/106	155/138
	11ax(20 MHz)	4		48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11ax(40 MHz)	8		46/38	62/54	142/134/118/102	159/151/142
	11ax(80 MHz)	17		42	58	138/122/106	155/138
Band Edge (Restricted-band)	11a	6	BPSK	48/36	64/52	144/140/100	165/149/144
	11n(20 MHz)	6.5		48/36	64/52	144/140/100	165/149/144
	11n(40 MHz)	13.5		46/38	62/54	142/134/102	159/151/142
	11ac(20 MHz)	6.5		48/36	64/52	144/140/100	165/149/144
	11ac(40 MHz)	13.5		46/38	62/54	142/134/102	159/151/142
	11ac(80 MHz)	29.3		42	58	138/122/106	155/138
	11ax(20 MHz)	4		48/36	64/52	144/140/100	165/149/144
	11ax(40 MHz)	8		46/38	62/54	142/134/102	159/151/142
	11ax(80 MHz)	17		42	58	138/122/106	155/138

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.					

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

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

Relative Humidity	51% to 59%	
Atmospheric Pressure	101 kPa	
Temperature	NT (Normal Temperature)	+20.1℃ to +23.9℃
Working Voltage of the EUT	NV (Normal Voltage)	12 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	KEYSIGHT	N9020A	MY54420147	2024.02.22	2025.02.21
Spectrum Analyzer	KEYSIGHT	N9010B	MY60240977	2024.02.22	2025.02.21
Signal Generator	Anritsu	MG3710E	6262063515	2024.02.22	2025.02.21
Wideband Radio Communication Tester	R&S	CMW500	168792	2024.02.22	2025.02.21
EMI Receiver	KEYSIGHT	N9038A	MY55330122	2024.07.09	2025.07.08
Test Antenna-Loop(9 kHz-30 MHz)	SCHWARZBECK	FMZB 1519	1519-177	2024.03.11	2027.03.10
Test Antenna-Bi-Log(30 MHz-3 GHz)	SCHWARZBECK	VULB 9163	9163-1203	2024.03.11	2027.03.10
Test Antenna-Horn(1-18 GHz)	SCHWARZBECK	BBHA 9120D	9120D-2134	2024.03.11	2027.03.10
Test Antenna-Horn (18-40 GHz)	A-INFO	LB-180400-KF	J211060307	2024.03.11	2027.03.10
Anechoic Chamber	YiHeng	9m*6m*6m	EMC001	2024.04.18	2027.04.17
EMI Receiver	KEYSIGHT	N9038A	MY55330115	2024.02.19	2025.02.18
LISN	SCHWARZBECK	NSLK 8127	8127-940	2024.02.25	2025.02.24
10dB Limiter	SCHWARZBECK	VTSD 9561-F	9561-F N00409	2024.02.19	2025.02.18
Shielded Room	YiHeng	5m*4m*3.2 m	EMC006	2024.02.22	2027.02.21

4.3 Test Software List

Description	Manufacturer	Software Version	Serial No.	Applicable Test Setup
BL410R	BALUN	V2.1.1.496	N/A	The section 4.6.1
BL410E	BALUN	V21.919	N/A	The section 4.6.2&4.6.3&4.6.4&4.6.5

4.4 Decision Rule

☐ No Need

☒ Use General conformity decision rule (Consider uncertainty or not ☒No ☐Yes)

☐ Use Special Conformity Decision Rule (Consider uncertainty or not ☐No ☐Yes)

4.5 Measurement Uncertainty

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

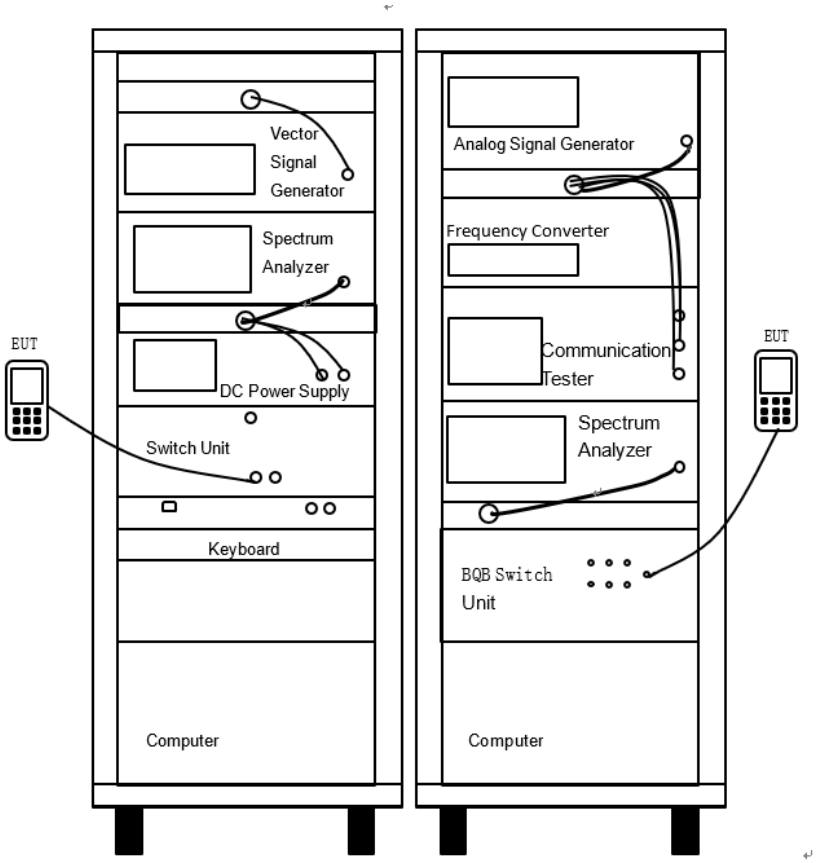
This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Parameters	Uncertainty
Occupied Channel Bandwidth	2.4 %
RF output power, conducted	0.41 dB
Power Spectral Density, conducted	1.73 dB
Unwanted Emissions, conducted	1.73 dB
All emissions, radiated	4.57 dB
Temperature	0.82 °C
Humidity	4.1 %

4.6 Description of Test Setup

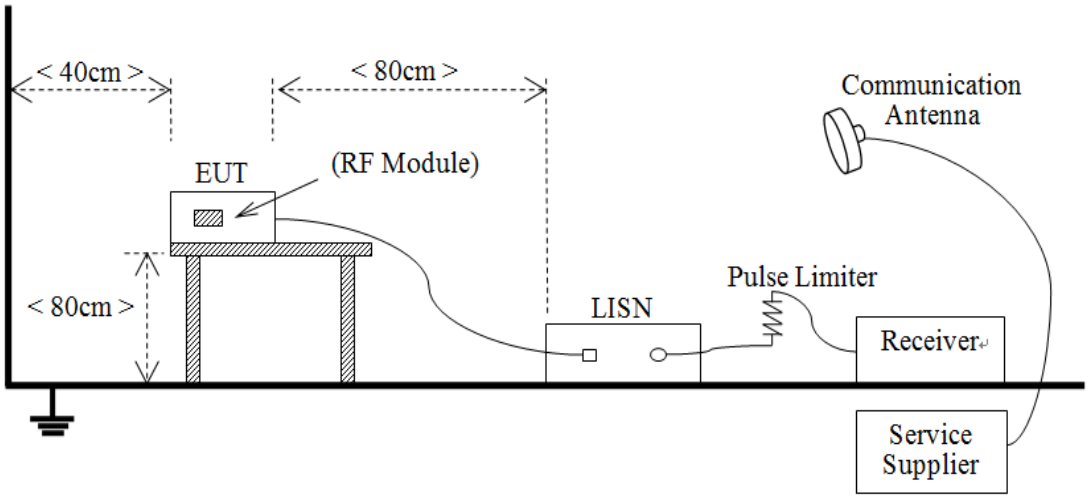
4.6.1 For Antenna Port Test

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



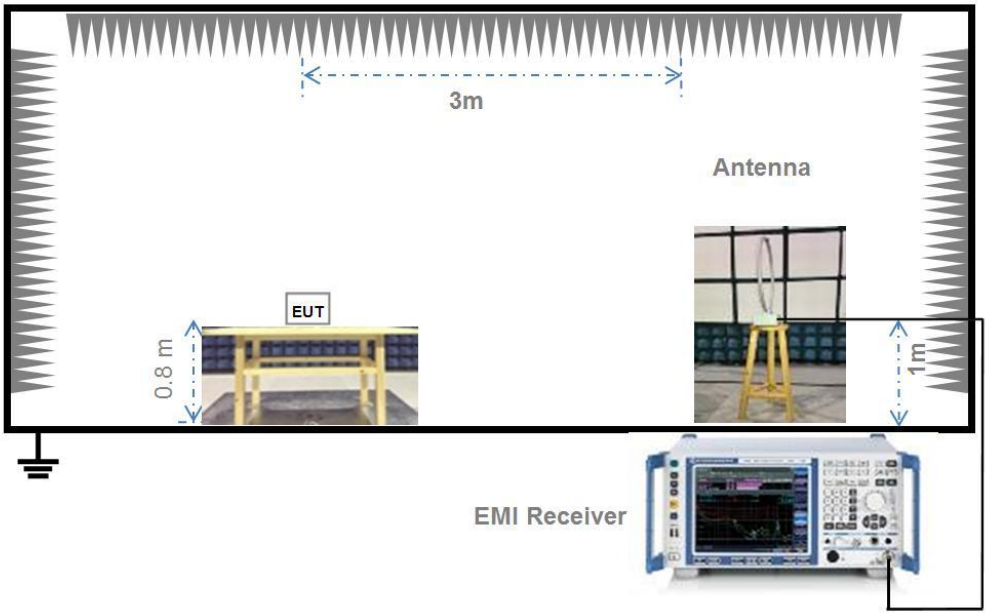
(Diagram 1)

4.6.2 For AC Power Supply Port Test



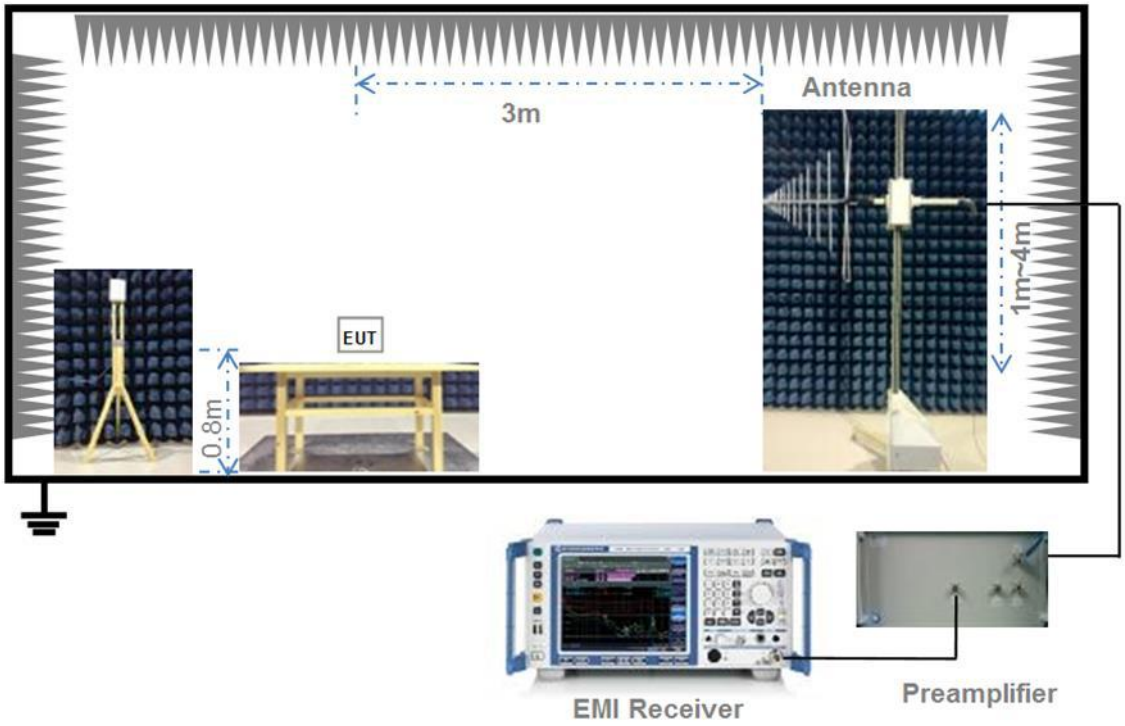
(Diagram 2)

4.6.3 For Radiated Test (Below 30 MHz)



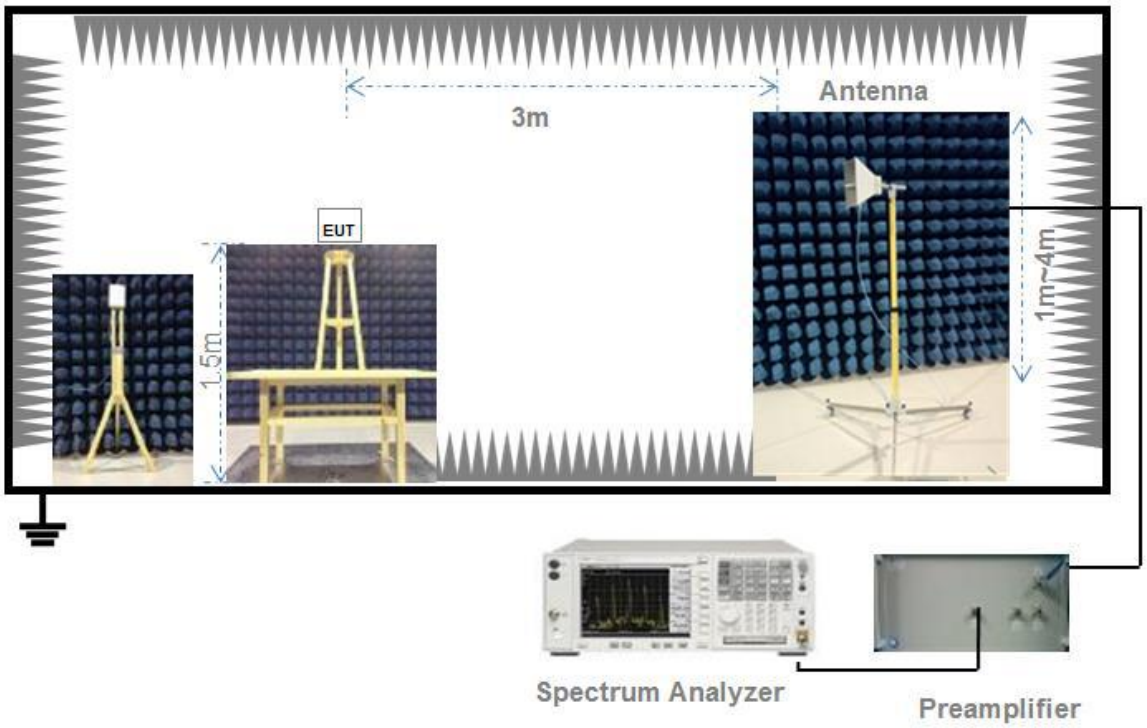
(Diagram 3)

4.6.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.6.5 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 4.6.1 (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 4.6.1 (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,
4. Detector = Peak.
5. Trace mode = Max hold.
6. Use the 99% power bandwidth function of the instrument.

6 dB bandwidth

1. Set RBW = 100 kHz, VBW = 300 kHz.
2. Detector = Peak.
3. Trace mode = Max hold.
4. Allow the trace to stabilize.
5. 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 4.6.1 (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 4.6.2 (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)

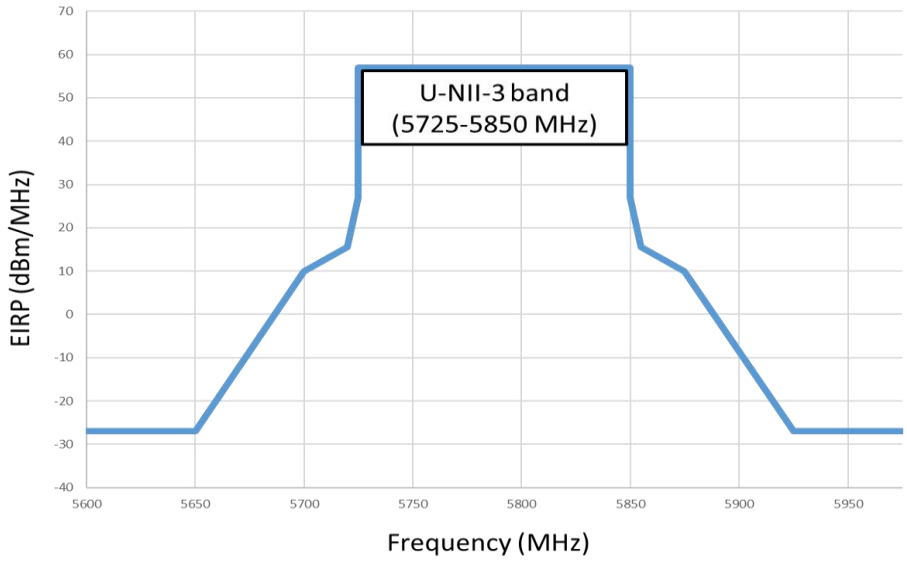
5.5.1 Limit

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 4.6.3-4.6.5 (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 maximum transmit antenna gain (in dBi) to the measured output power level to determine the EIRP level (see guidance on determining the applicable antenna gain)
c) 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).
d) 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).
e) Convert the resultant EIRP level to an equivalent electric field strength using the following relationship:
$E = EIRP – 20\log D + 104.8$
where:
E = electric field strength in dBμV/m,
EIRP = equivalent isotropic radiated power in dBm
D = specified measurement distance in meters.
f) Compare the resultant electric field strength level to the applicable limit.
g) 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 * 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 * 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.

Note 2: All the configurations were tested, but only the worst data was shown in this report.

Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle
11a	1.40	1.44	96.88%
11n (HT20)	1.31	1.35	96.75%
11n (HT40)	0.65	0.69	93.39%
11ac (VHT20)	1.31	1.36	96.76%
11ac (VHT40)	0.66	0.70	93.33%
11ac (VHT80)	0.32	0.37	87.62%

Test Data

Conducted Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	13.22	20.98	250	Pass
11a	CH44	15.98	39.61	250	Pass
11a	CH48	15.86	38.53	250	Pass
11n (HT20)	CH36	16.00	39.84	250	Pass
11n (HT20)	CH44	16.28	42.50	250	Pass
11n (HT20)	CH48	16.50	44.70	250	Pass
11n (HT40)	CH38	13.45	22.13	250	Pass
11n (HT40)	CH46	16.45	44.15	250	Pass
11ac (VHT20)	CH36	16.81	48.01	250	Pass
11ac (VHT20)	CH44	16.23	42.01	250	Pass
11ac (VHT20)	CH48	16.29	42.59	250	Pass
11ac (VHT40)	CH38	13.41	21.93	250	Pass
11ac (VHT40)	CH46	16.20	41.69	250	Pass
11ac (VHT80)	CH42	16.85	48.46	250	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH52	16.59	45.58	250	Pass
11a	CH60	16.67	46.43	250	Pass
11a	CH64	11.10	12.88	250	Pass
11n (HT20)	CH52	16.29	42.59	250	Pass
11n (HT20)	CH60	16.37	43.39	250	Pass
11n (HT20)	CH64	12.60	18.21	250	Pass
11n (HT40)	CH54	16.32	42.85	250	Pass
11n (HT40)	CH62	11.12	12.94	250	Pass
11ac (VHT20)	CH52	16.26	42.30	250	Pass
11ac (VHT20)	CH60	16.37	43.38	250	Pass
11ac (VHT20)	CH64	13.25	21.15	250	Pass
11ac (VHT40)	CH54	16.34	43.06	250	Pass
11ac (VHT40)	CH62	11.38	13.74	250	Pass
11ac (VHT80)	CH58	10.16	10.38	250	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH100	10.09	10.20	250	Pass
11a	CH116	16.68	46.53	250	Pass
11a	CH140	7.07	5.09	250	Pass
11n (HT20)	CH100	9.84	9.65	250	Pass
11n (HT20)	CH116	15.41	34.78	250	Pass
11n (HT20)	CH140	7.59	5.75	250	Pass
11n (HT40)	CH102	8.04	6.37	250	Pass
11n (HT40)	CH118	16.33	42.95	250	Pass
11n (HT40)	CH134	10.23	10.54	250	Pass
11ac (VHT20)	CH100	9.88	9.73	250	Pass
11ac (VHT20)	CH116	15.66	36.84	250	Pass
11ac (VHT20)	CH140	7.11	5.14	250	Pass
11ac (VHT40)	CH102	8.02	6.34	250	Pass
11ac (VHT40)	CH118	16.41	43.75	250	Pass
11ac (VHT40)	CH134	9.80	9.55	250	Pass
11ac (VHT80)	CH106	16.74	47.25	250	Pass
11ac (VHT80)	CH122	15.59	36.26	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	14.11	25.75	1000	Pass
11a	CH157	13.31	21.42	1000	Pass
11a	CH165	12.57	18.06	1000	Pass
11n (HT20)	CH149	13.80	24.01	1000	Pass
11n (HT20)	CH157	13.16	20.72	1000	Pass
11n (HT20)	CH165	12.33	17.11	1000	Pass
11n (HT40)	CH151	13.92	24.66	1000	Pass
11n (HT40)	CH159	13.33	21.52	1000	Pass
11ac (VHT20)	CH149	13.79	23.95	1000	Pass
11ac (VHT20)	CH157	12.71	18.68	1000	Pass
11ac (VHT20)	CH165	12.11	16.27	1000	Pass
11ac (VHT40)	CH151	14.06	25.47	1000	Pass
11ac (VHT40)	CH159	13.03	20.09	1000	Pass
11ac (VHT80)	CH155	13.16	20.72	1000	Pass

U-NII-2C straddle channel					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH144	7.31	5.38	250	Pass
11n(HT20)	CH144	7.85	6.10	250	Pass
11n(HT40)	CH142	10.19	10.45	250	Pass
11ac(VHT20)	CH144	7.90	6.17	250	Pass
11ac(VHT40)	CH142	10.30	10.72	250	Pass
11ac(VHT80)	CH138	14.88	30.76	250	Pass

U-NII-3 straddle channel					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH144	7.31	5.38	1000	Pass
11n(HT20)	CH144	7.85	6.10	1000	Pass
11n(HT40)	CH142	10.19	10.45	1000	Pass
11ac(VHT20)	CH144	7.90	6.17	1000	Pass
11ac(VHT40)	CH142	10.30	10.72	1000	Pass
11ac(VHT80)	CH138	14.88	30.76	1000	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ24C0728-604 Data Part 1.pdf”.

Test Data

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	21.09	16.64
11a	CH44	21.11	16.59
11a	CH48	21.00	16.58
11n (HT20)	CH36	21.78	17.84
11n (HT20)	CH44	22.12	17.82
11n (HT20)	CH48	21.84	17.82
11n (HT40)	CH38	45.38	36.26
11n (HT40)	CH46	48.43	36.27
11ac (VHT20)	CH36	25.98	17.89
11ac (VHT20)	CH44	22.83	17.79
11ac (VHT20)	CH48	22.67	17.79
11ac (VHT40)	CH38	43.72	36.24
11ac (VHT40)	CH46	45.49	36.26
11ac (VHT80)	CH42	95.97	75.89

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	21.06	16.64
11a	CH60	21.29	16.62
11a	CH64	21.36	16.62
11n (HT20)	CH52	22.46	17.78
11n (HT20)	CH60	21.61	17.79
11n (HT20)	CH64	21.72	17.78
11n (HT40)	CH54	47.53	36.23
11n (HT40)	CH62	48.36	36.23
11ac (VHT20)	CH52	22.03	17.80
11ac (VHT20)	CH60	21.87	17.79
11ac (VHT20)	CH64	22.50	17.77
11ac (VHT40)	CH54	43.44	36.22
11ac (VHT40)	CH62	45.62	36.21
11ac (VHT80)	CH58	84.26	75.68

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	21.92	16.72
11a	CH116	25.74	17.04
11a	CH140	27.00	17.24
11n (HT20)	CH100	24.21	17.85
11n (HT20)	CH116	25.43	17.86
11n (HT20)	CH140	27.56	18.14
11n (HT40)	CH102	52.39	36.43
11n (HT40)	CH118	63.32	37.09
11n (HT40)	CH134	63.60	37.18
11ac (VHT20)	CH100	23.01	17.88
11ac (VHT20)	CH116	28.17	18.08
11ac (VHT20)	CH140	28.18	18.10
11ac (VHT40)	CH102	51.97	36.43
11ac (VHT40)	CH118	62.22	36.96
11ac (VHT40)	CH134	62.10	36.89
11ac (VHT80)	CH106	111.10	76.89
11ac (VHT80)	CH122	115.50	76.78

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	29.75	17.62
11a	CH157	29.20	17.54
11a	CH165	30.02	18.07
11n (HT20)	CH149	30.15	18.31
11n (HT20)	CH157	30.86	18.42
11n (HT20)	CH165	30.15	18.48
11n (HT40)	CH151	66.50	37.55
11n (HT40)	CH159	68.17	37.63
11ac (VHT20)	CH149	31.21	18.44
11ac (VHT20)	CH157	30.27	18.44
11ac (VHT20)	CH165	30.55	18.39
11ac (VHT40)	CH151	65.03	37.08
11ac (VHT40)	CH159	66.43	37.64
11ac (VHT80)	CH155	124.40	76.64

U-NII-2C straddle channel			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH144	20.98	16.59
11n(HT20)	CH144	21.39	17.74
11n(HT40)	CH142	48.74	36.24
11ac(VHT20)	CH144	21.34	17.73
11ac(VHT40)	CH142	42.81	36.27
11ac(VHT80)	CH138	131.00	84.75

U-NII-3 straddle channel			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH144	20.98	16.59
11n(HT20)	CH144	21.39	17.74
11n(HT40)	CH142	48.74	36.24
11ac(VHT20)	CH144	21.34	17.73
11ac(VHT40)	CH142	42.81	36.27
11ac(VHT80)	CH138	131.00	84.75

A.3 6 dB Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ24C0728-604 Data Part 2.pdf”.

Test Data

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	15.90	500.00	Pass
11a	CH157	15.60	500.00	Pass
11a	CH165	15.70	500.00	Pass
11n (HT20)	CH149	16.20	500.00	Pass
11n (HT20)	CH157	16.30	500.00	Pass
11n (HT20)	CH165	16.50	500.00	Pass
11n (HT40)	CH151	35.90	500.00	Pass
11n (HT40)	CH159	35.50	500.00	Pass
11ac (VHT20)	CH149	15.70	500.00	Pass
11ac (VHT20)	CH157	16.00	500.00	Pass
11ac (VHT20)	CH165	16.30	500.00	Pass
11ac (VHT40)	CH151	35.70	500.00	Pass
11ac (VHT40)	CH159	35.40	500.00	Pass
11ac (VHT80)	CH155	75.40	500.00	Pass

U-NII-3 straddle channel				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH144	16.00	500.00	Pass
11n(HT20)	CH144	15.60	500.00	Pass
11n(HT40)	CH142	35.60	500.00	Pass
11ac(VHT20)	CH144	16.20	500.00	Pass
11ac(VHT40)	CH142	35.40	500.00	Pass
11ac(VHT80)	CH138	75.40	500.00	Pass

A.4 Power Spectral Density

Note [1]: Test plots please refer to the document “Annex No.: BL-SZ24C0728-604 Data Part 3.pdf”.
Note [2]: The RBW used in U-NII-3 is 1 MHz, and the PSD factor is: 10*log (500 kHz/RBW) =-3 dBm.
Note [3]: Power Spectral Density=Measure Power Spectral Density+10 log (1/Duty cyle)
Test Data

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH36	3.04	11.00	Pass
11a	CH44	5.68	11.00	Pass
11a	CH48	5.74	11.00	Pass
11n (HT20)	CH36	5.60	11.00	Pass
11n (HT20)	CH44	5.86	11.00	Pass
11n (HT20)	CH48	5.95	11.00	Pass
11n (HT40)	CH38	0.41	11.00	Pass
11n (HT40)	CH46	2.74	11.00	Pass
11ac (VHT20)	CH36	6.67	11.00	Pass
11ac (VHT20)	CH44	5.69	11.00	Pass
11ac (VHT20)	CH48	5.75	11.00	Pass
11ac (VHT40)	CH38	-0.11	11.00	Pass
11ac (VHT40)	CH46	2.86	11.00	Pass
11ac (VHT80)	CH42	0.52	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH52	6.33	11.00	Pass
11a	CH60	6.46	11.00	Pass
11a	CH64	1.24	11.00	Pass
11n (HT20)	CH52	6.43	11.00	Pass
11n (HT20)	CH60	6.27	11.00	Pass
11n (HT20)	CH64	2.57	11.00	Pass
11n (HT40)	CH54	3.39	11.00	Pass
11n (HT40)	CH62	-2.19	11.00	Pass
11ac (VHT20)	CH52	6.01	11.00	Pass
11ac (VHT20)	CH60	6.13	11.00	Pass
11ac (VHT20)	CH64	3.22	11.00	Pass
11ac (VHT40)	CH54	3.28	11.00	Pass
11ac (VHT40)	CH62	-1.48	11.00	Pass
11ac (VHT80)	CH58	-6.10	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH100	0.14	11.00	Pass
11a	CH116	7.51	11.00	Pass
11a	CH140	-3.31	11.00	Pass
11n (HT20)	CH100	-0.64	11.00	Pass
11n (HT20)	CH116	5.73	11.00	Pass
11n (HT20)	CH140	-2.87	11.00	Pass
11n (HT40)	CH102	-5.42	11.00	Pass
11n (HT40)	CH118	4.20	11.00	Pass
11n (HT40)	CH134	-3.24	11.00	Pass
11ac (VHT20)	CH100	-0.19	11.00	Pass
11ac (VHT20)	CH116	6.89	11.00	Pass
11ac (VHT20)	CH140	-3.13	11.00	Pass
11ac (VHT40)	CH102	-5.00	11.00	Pass
11ac (VHT40)	CH118	4.24	11.00	Pass
11ac (VHT40)	CH134	-3.37	11.00	Pass
11ac (VHT80)	CH106	2.12	11.00	Pass
11ac (VHT80)	CH122	1.45	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	3.34	30.00	Pass
11a	CH157	2.60	30.00	Pass
11a	CH165	1.90	30.00	Pass
11n (HT20)	CH149	2.75	30.00	Pass
11n (HT20)	CH157	1.98	30.00	Pass
11n (HT20)	CH165	1.26	30.00	Pass
11n (HT40)	CH151	-0.43	30.00	Pass
11n (HT40)	CH159	-1.15	30.00	Pass
11ac (VHT20)	CH149	2.73	30.00	Pass
11ac (VHT20)	CH157	1.82	30.00	Pass
11ac (VHT20)	CH165	1.38	30.00	Pass
11ac (VHT40)	CH151	-0.16	30.00	Pass
11ac (VHT40)	CH159	-1.36	30.00	Pass
11ac (VHT80)	CH155	-4.25	30.00	Pass

U-NII-2C straddle channel				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH144	-5.20	11.00	Pass
11n(HT20)	CH144	-4.80	11.00	Pass
11n(HT40)	CH142	-5.60	11.00	Pass
11ac(VHT20)	CH144	-4.66	11.00	Pass
11ac(VHT40)	CH142	-5.53	11.00	Pass
11ac(VHT80)	CH138	-4.10	11.00	Pass

U-NII-3 straddle channel				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH144	-5.20	30.00	Pass
11n(HT20)	CH144	-4.80	30.00	Pass
11n(HT40)	CH142	-5.60	30.00	Pass
11ac(VHT20)	CH144	-4.66	30.00	Pass
11ac(VHT40)	CH142	-5.53	30.00	Pass
11ac(VHT80)	CH138	-4.10	30.00	Pass

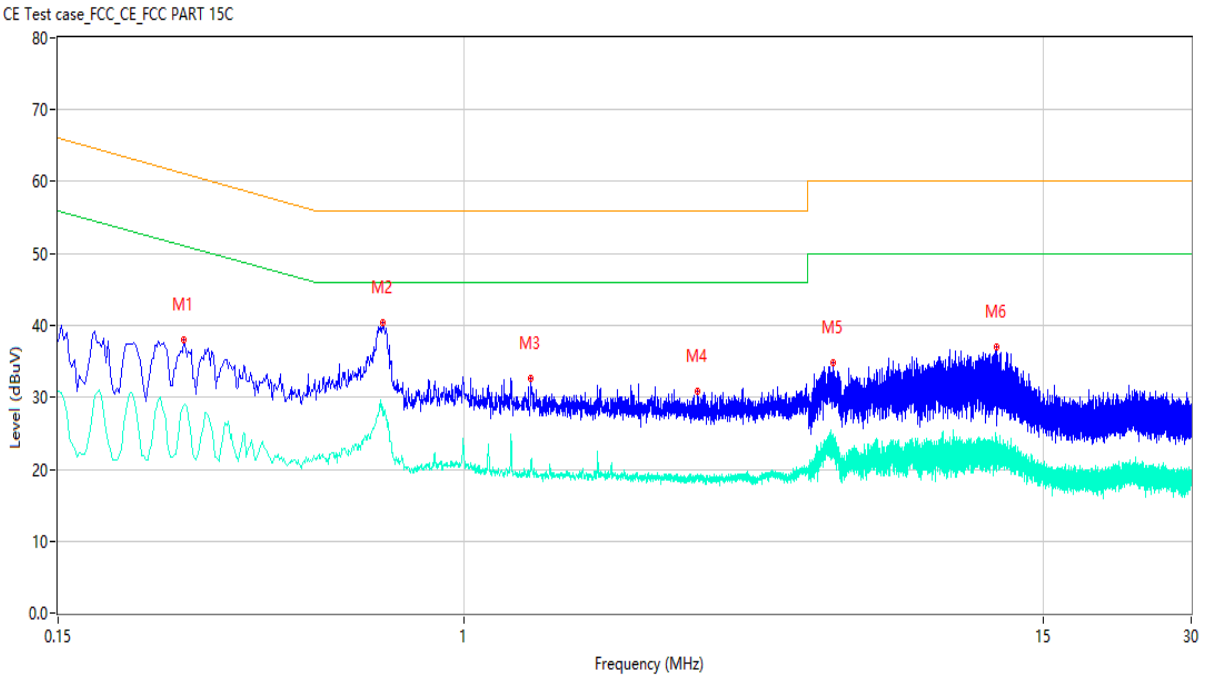
A.5 Conducted Emission

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.

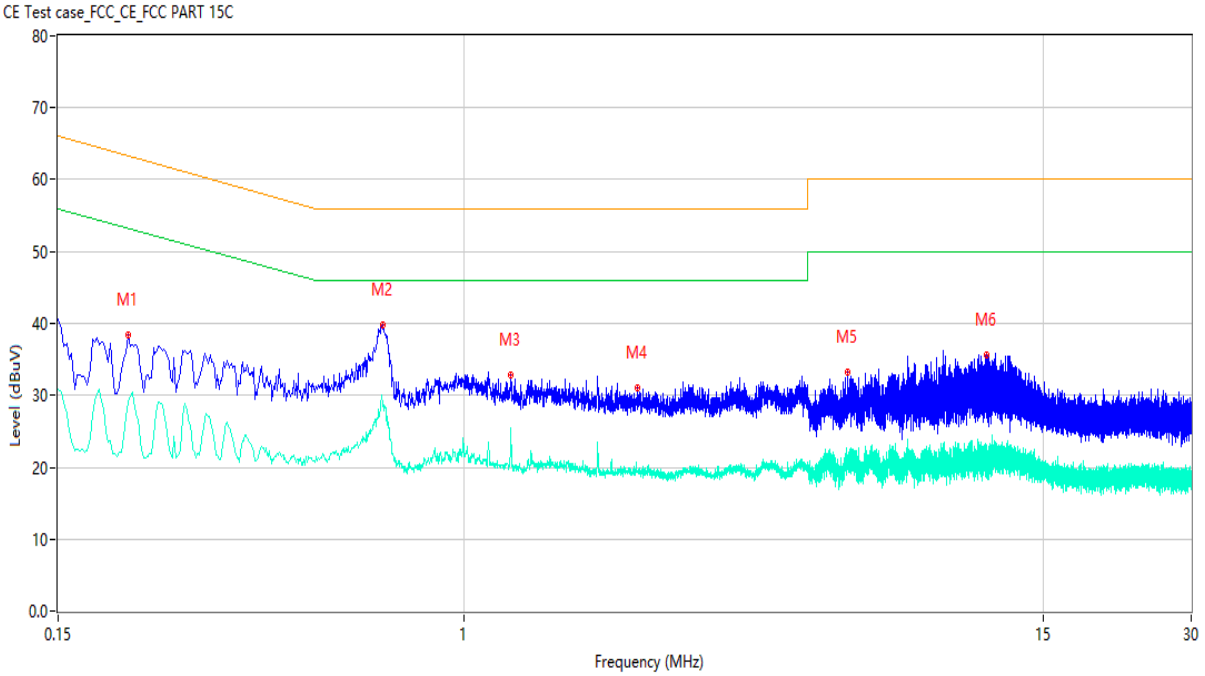
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.270	37.97	9.74	61.12	23.15	Peak	L	Pass
1**	0.270	28.82	9.74	51.12	22.30	AV	L	Pass
2	0.684	40.31	9.72	56.00	15.69	Peak	L	Pass
2**	0.684	27.55	9.72	46.00	18.45	AV	L	Pass
3	1.370	32.64	9.70	56.00	23.36	Peak	L	Pass
3**	1.370	21.27	9.70	46.00	24.73	AV	L	Pass
4	2.980	30.85	9.66	56.00	25.15	Peak	L	Pass
4**	2.980	18.76	9.66	46.00	27.24	AV	L	Pass
5	5.614	34.77	9.62	60.00	25.23	Peak	L	Pass
5**	5.614	24.55	9.62	50.00	25.45	AV	L	Pass
6	12.106	37.02	9.38	60.00	22.98	Peak	L	Pass
6**	12.106	22.82	9.38	50.00	27.18	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.208	38.41	9.75	63.28	24.87	Peak	N	Pass
1**	0.208	29.09	9.75	53.28	24.19	AV	N	Pass
2	0.686	39.75	9.72	56.00	16.25	Peak	N	Pass
2**	0.686	28.39	9.72	46.00	17.61	AV	N	Pass
3	1.246	32.90	9.70	56.00	23.10	Peak	N	Pass
3**	1.246	25.41	9.70	46.00	20.59	AV	N	Pass
4	2.252	31.10	9.68	56.00	24.90	Peak	N	Pass
4**	2.252	19.58	9.68	46.00	26.42	AV	N	Pass
5	6.010	33.23	9.61	60.00	26.77	Peak	N	Pass
5**	6.010	21.39	9.61	50.00	28.61	AV	N	Pass
6	11.518	35.65	9.41	60.00	24.35	Peak	N	Pass
6**	11.518	22.51	9.41	50.00	27.49	AV	N	Pass

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

A.6.1 Radiated Spurious Emissions

Test Data

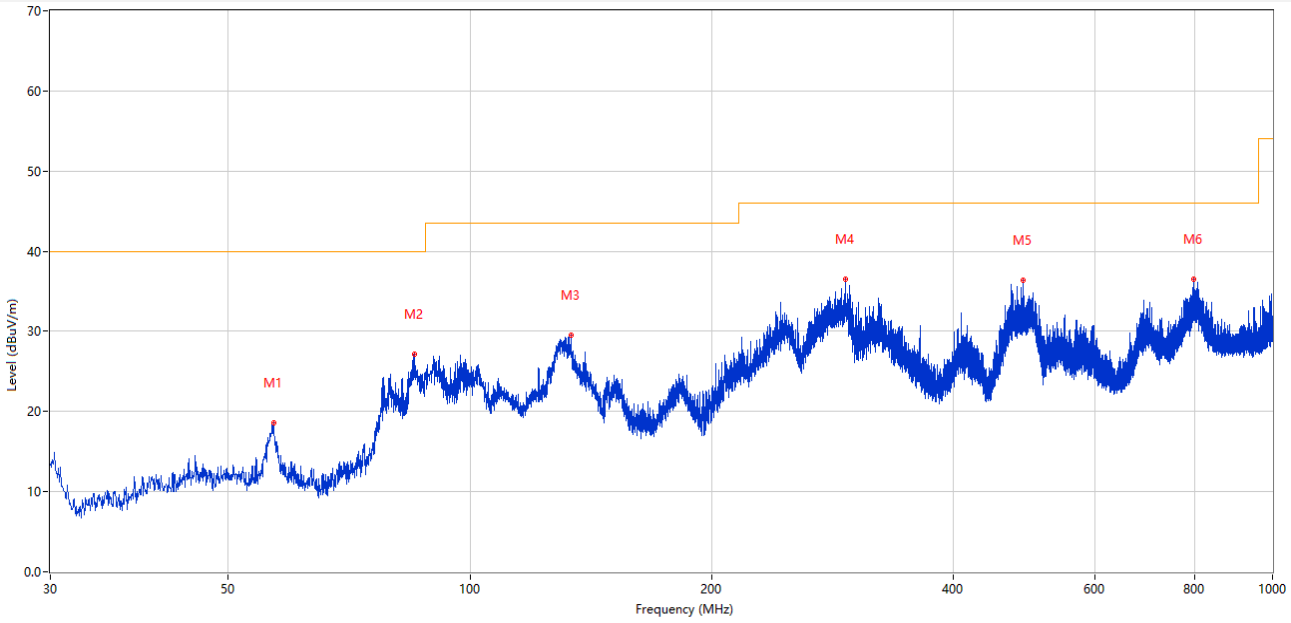
Note 1: The symbol of "--" in the table which means not application.

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.

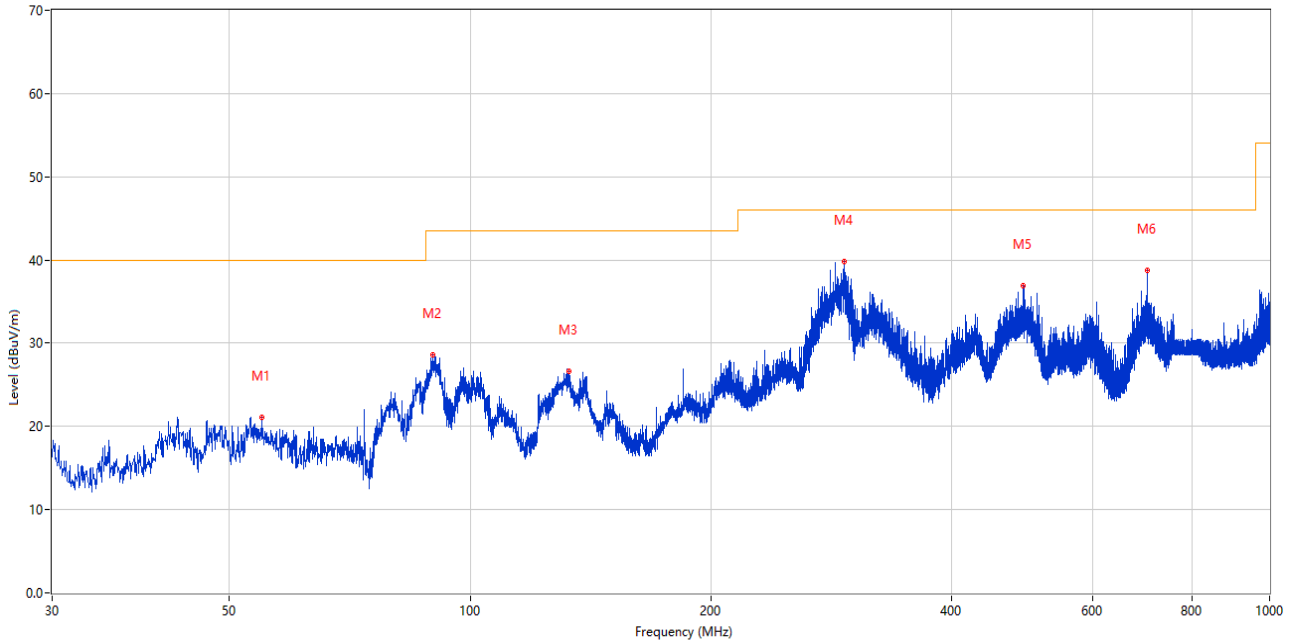
Note 4: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.

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	56.917	18.56	-25.39	40.0	21.44	Peak	179.00	200	Horizontal	Pass
2	85.339	27.21	-29.64	40.0	12.79	Peak	203.00	200	Horizontal	Pass
3	133.499	29.53	-29.23	43.5	13.97	Peak	137.00	200	Horizontal	Pass
4	293.500	36.53	-23.20	46.0	9.47	Peak	191.00	100	Horizontal	Pass
5	488.810	36.42	-18.39	46.0	9.58	Peak	117.00	100	Horizontal	Pass
6	798.240	36.55	-11.71	46.0	9.45	Peak	123.00	100	Horizontal	Pass

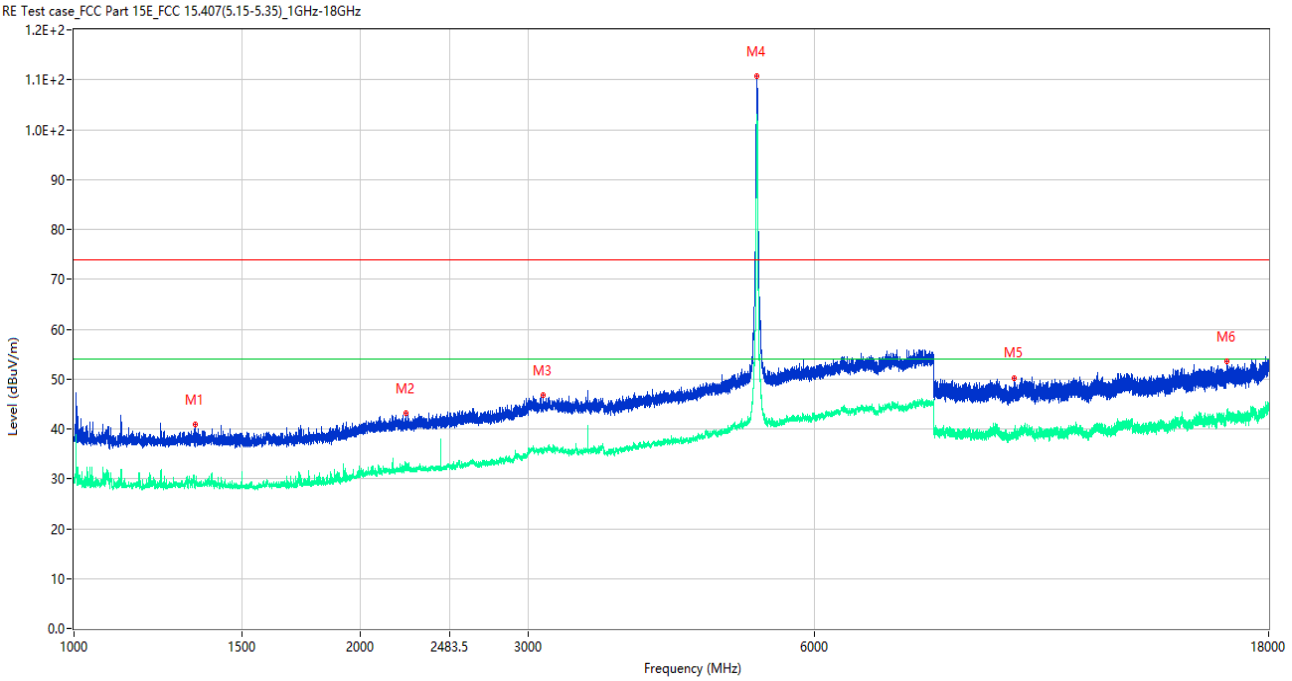
30 MHz to 1 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	54.929	21.06	-25.05	40.0	18.94	Peak	360.00	100	Vertical	Pass
2	89.897	28.56	-28.07	43.5	14.94	Peak	12.00	100	Vertical	Pass
3	133.062	26.58	-29.21	43.5	16.92	Peak	60.00	100	Vertical	Pass
4	293.403	39.84	-23.20	46.0	6.16	Peak	118.00	200	Vertical	Pass
5	492.350	36.97	-18.29	46.0	9.03	Peak	6.00	100	Vertical	Pass
6	702.986	38.75	-13.71	46.0	7.25	Peak	101.00	100	Vertical	Pass

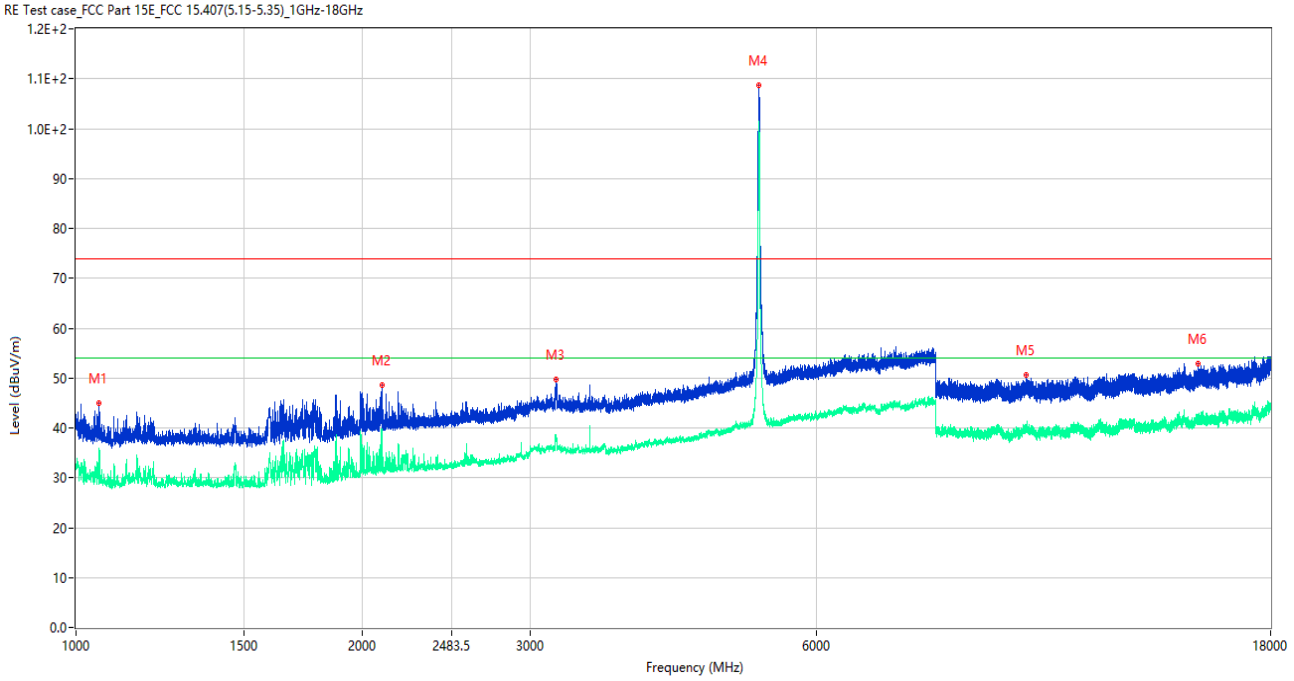
Note: The spurious above 18G is noise only, do not show on the report.

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



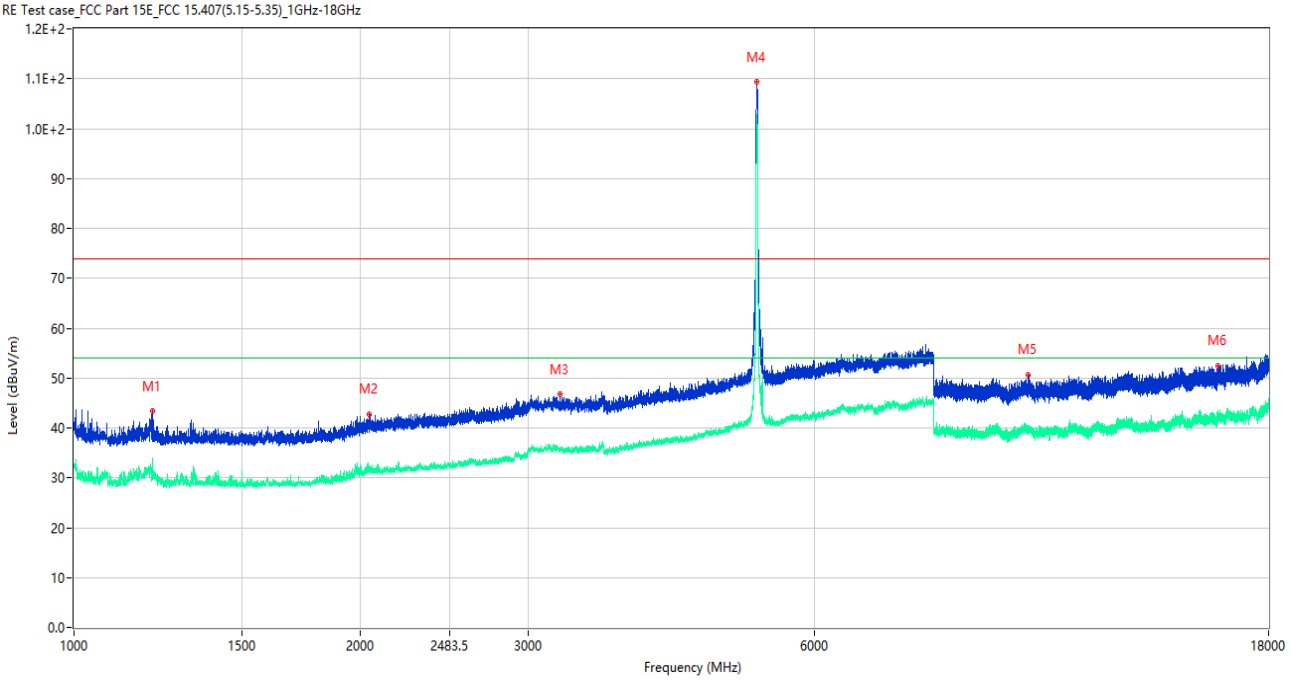
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1342.500	40.86	-15.17	74.0	33.14	Peak	48.00	150	Horizontal	Pass
1**	1342.500	28.97	-15.17	54.0	25.03	AV	48.00	150	Horizontal	Pass
2	2230.250	43.16	-11.84	74.0	30.84	Peak	128.00	150	Horizontal	Pass
2**	2230.250	32.29	-11.84	54.0	21.71	AV	128.00	150	Horizontal	Pass
3	3109.500	46.67	-6.81	74.0	27.33	Peak	219.00	150	Horizontal	Pass
3**	3109.500	34.95	-6.81	54.0	19.05	AV	219.00	150	Horizontal	Pass
4	5218.500	110.67	-0.91	74.0	-36.67	Peak	348.00	150	Horizontal	N/A
4**	5218.500	102.36	-0.91	54.0	-48.36	AV	348.00	150	Horizontal	N/A
5	9737.312	50.14	-1.09	74.0	23.86	Peak	123.00	150	Horizontal	Pass
5**	9737.312	39.73	-1.09	54.0	14.27	AV	123.00	150	Horizontal	Pass
6	16285.612	53.54	2.40	74.0	20.46	Peak	276.00	150	Horizontal	Pass
6**	16285.612	43.00	2.40	54.0	11.00	AV	276.00	150	Horizontal	Pass

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



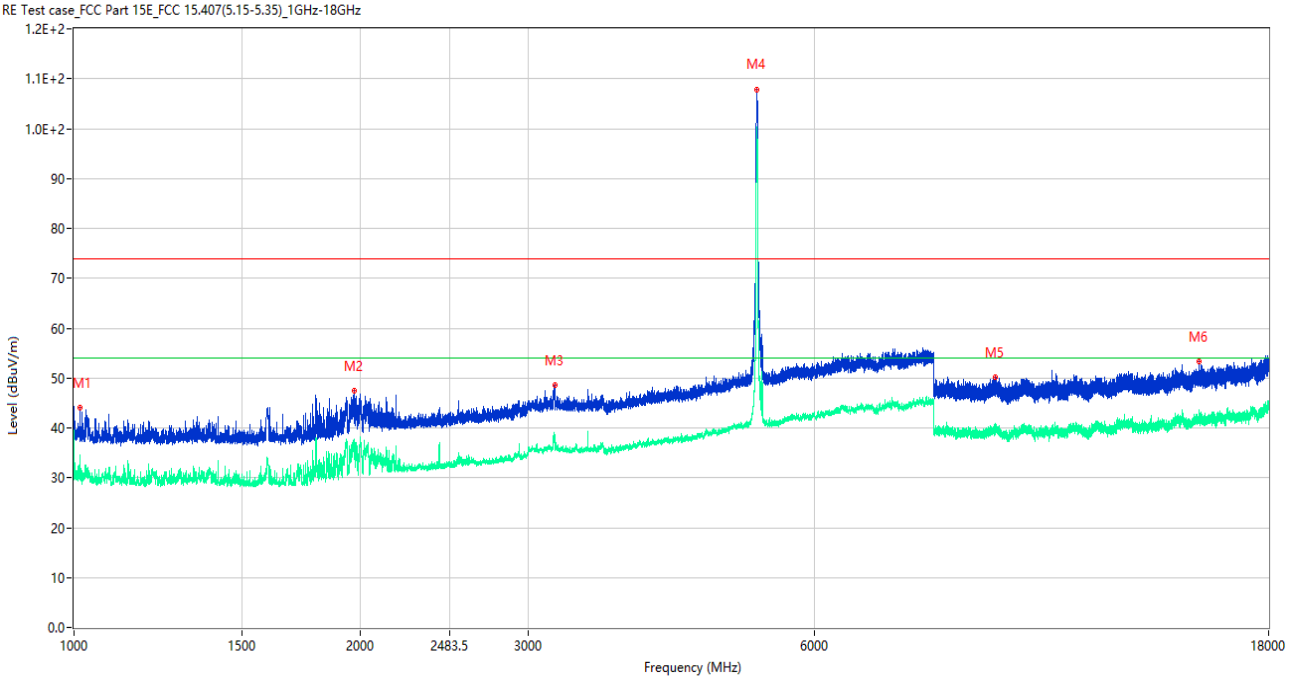
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1057.500	44.89	-14.46	74.0	29.11	Peak	45.00	150	Vertical	Pass
1**	1057.500	34.34	-14.46	54.0	19.66	AV	45.00	150	Vertical	Pass
2	2095.500	48.68	-12.39	74.0	25.32	Peak	199.00	150	Vertical	Pass
2**	2095.500	38.94	-12.39	54.0	15.06	AV	199.00	150	Vertical	Pass
3	3191.000	49.68	-6.54	74.0	24.32	Peak	170.00	150	Vertical	Pass
3**	3191.000	37.52	-6.54	54.0	16.48	AV	170.00	150	Vertical	Pass
4	5219.000	108.64	-0.89	74.0	-34.64	Peak	2.00	150	Vertical	N/A
4**	5219.000	101.44	-0.89	54.0	-47.44	AV	2.00	150	Vertical	N/A
5	9956.050	50.61	-0.92	74.0	23.39	Peak	28.00	150	Vertical	Pass
5**	9956.050	39.19	-0.92	54.0	14.81	AV	28.00	150	Vertical	Pass
6	15088.874	52.88	1.35	74.0	21.12	Peak	104.00	150	Vertical	Pass
6**	15088.874	41.79	1.35	54.0	12.21	AV	104.00	150	Vertical	Pass

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



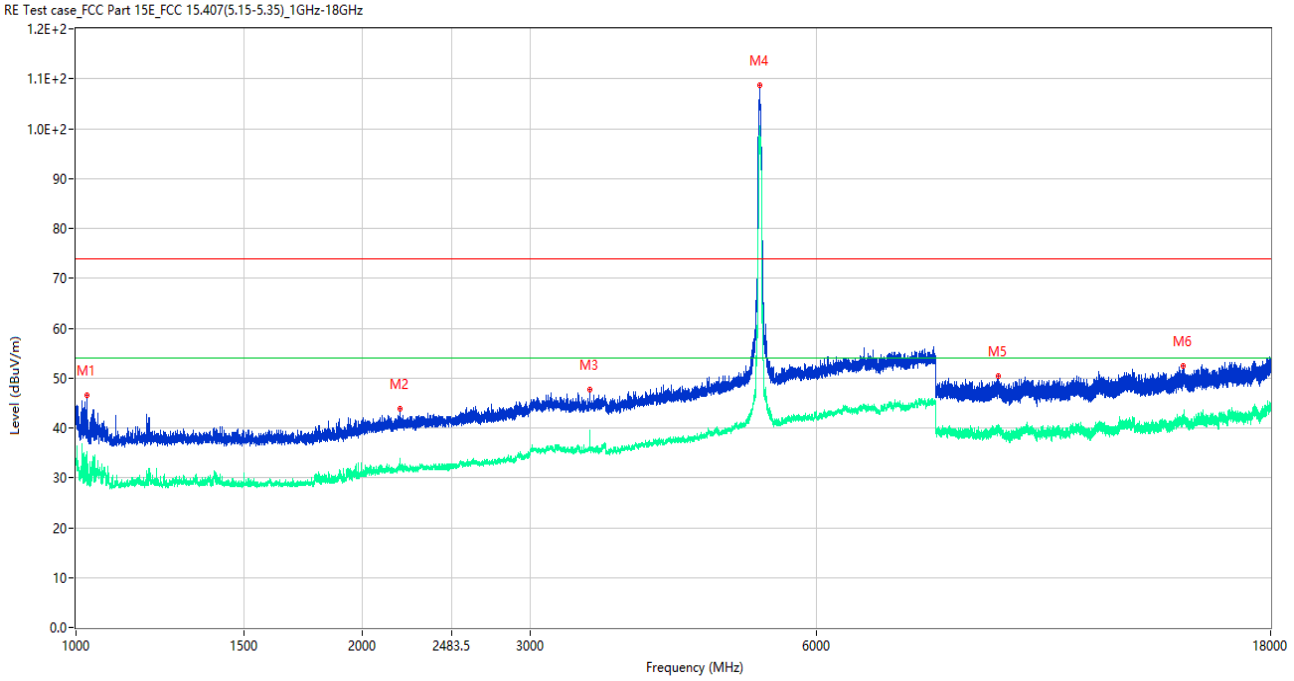
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1208.000	43.32	-14.94	74.0	30.68	Peak	0.00	150	Horizontal	Pass
1**	1208.000	33.21	-14.94	54.0	20.79	AV	0.00	150	Horizontal	Pass
2	2044.250	42.80	-12.21	74.0	31.20	Peak	0.00	150	Horizontal	Pass
2**	2044.250	31.38	-12.21	54.0	22.62	AV	0.00	150	Horizontal	Pass
3	3241.000	46.69	-6.19	74.0	27.31	Peak	349.00	150	Horizontal	Pass
3**	3241.000	35.64	-6.19	54.0	18.36	AV	349.00	150	Horizontal	Pass
4	5221.500	109.46	-0.84	74.0	-35.46	Peak	14.00	150	Horizontal	N/A
4**	5221.500	102.87	-0.84	54.0	-48.87	AV	14.00	150	Horizontal	N/A
5	10050.099	50.73	-0.78	74.0	23.27	Peak	7.00	150	Horizontal	Pass
5**	10050.099	40.54	-0.78	54.0	13.46	AV	7.00	150	Horizontal	Pass
6	15931.763	52.52	1.35	74.0	21.48	Peak	0.00	150	Horizontal	Pass
6**	15931.763	42.14	1.35	54.0	11.86	AV	0.00	150	Horizontal	Pass

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



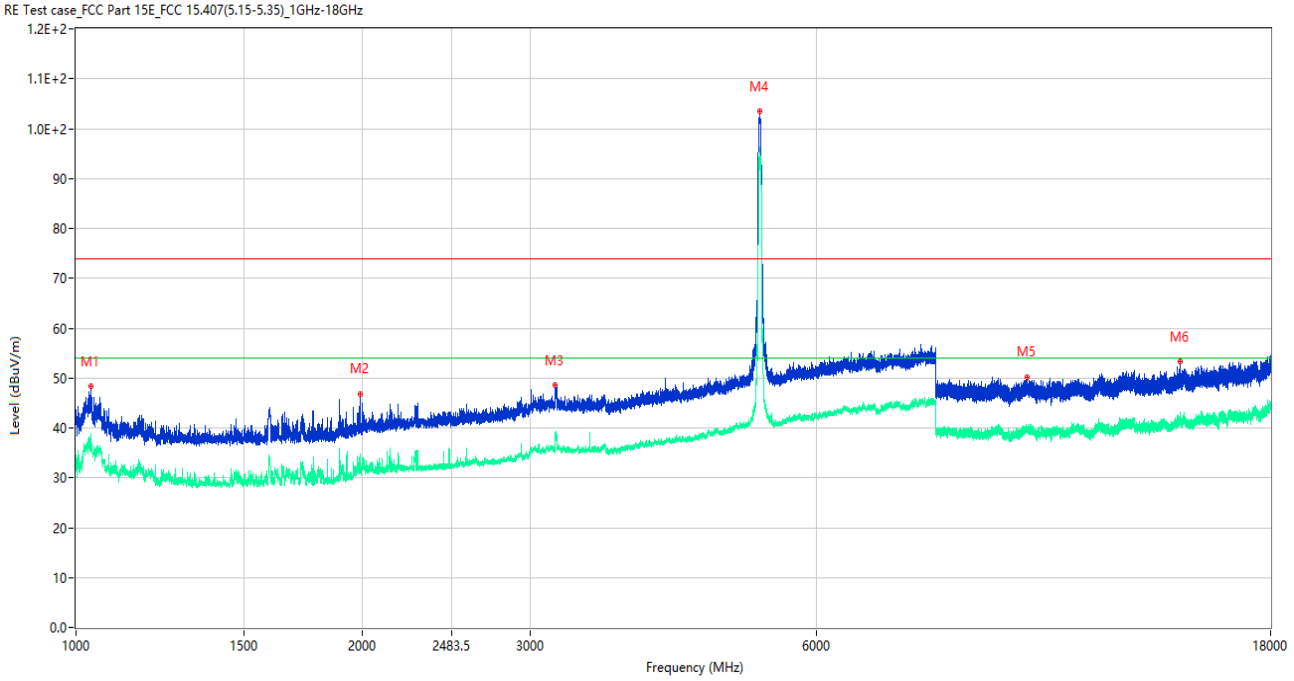
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1014.000	44.09	-13.63	74.0	29.91	Peak	153.00	150	Vertical	Pass
1**	1014.000	30.37	-13.63	54.0	23.63	AV	153.00	150	Vertical	Pass
2	1968.750	47.46	-13.56	74.0	26.54	Peak	175.00	150	Vertical	Pass
2**	1968.750	37.10	-13.56	54.0	16.90	AV	175.00	150	Vertical	Pass
3	3199.500	48.58	-6.65	74.0	25.42	Peak	172.00	150	Vertical	Pass
3**	3199.500	38.08	-6.65	54.0	15.92	AV	172.00	150	Vertical	Pass
4	5222.000	107.89	-0.83	74.0	-33.89	Peak	5.00	150	Vertical	N/A
4**	5222.000	99.36	-0.83	54.0	-45.36	AV	5.00	150	Vertical	N/A
5	9300.076	50.09	-1.93	74.0	23.91	Peak	124.00	150	Vertical	Pass
5**	9300.076	39.58	-1.93	54.0	14.42	AV	124.00	150	Vertical	Pass
6	15223.276	53.33	1.75	74.0	20.67	Peak	34.00	150	Vertical	Pass
6**	15223.276	42.49	1.75	54.0	11.51	AV	34.00	150	Vertical	Pass

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



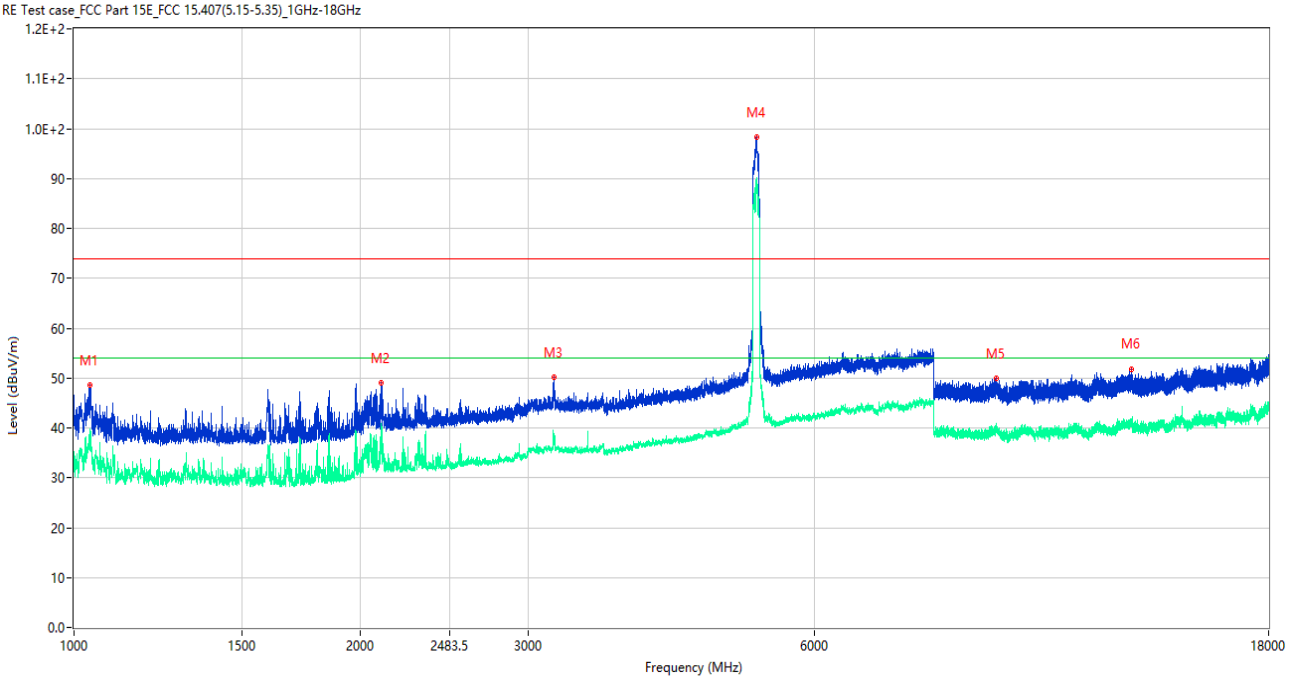
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1027.250	46.52	-14.50	74.0	27.48	Peak	111.00	150	Horizontal	Pass
1**	1027.250	32.01	-14.50	54.0	21.99	AV	111.00	150	Horizontal	Pass
2	2189.000	43.92	-12.06	74.0	30.08	Peak	262.00	150	Horizontal	Pass
2**	2189.000	33.62	-12.06	54.0	20.38	AV	262.00	150	Horizontal	Pass
3	3465.000	47.59	-5.47	74.0	26.41	Peak	360.00	150	Horizontal	Pass
3**	3465.000	38.90	-5.47	54.0	15.10	AV	360.00	150	Horizontal	Pass
4	5228.000	108.66	-0.81	74.0	-34.66	Peak	346.00	150	Horizontal	N/A
4**	5228.000	99.48	-0.81	54.0	-45.48	AV	346.00	150	Horizontal	N/A
5	9309.100	50.32	-1.91	74.0	23.68	Peak	115.00	150	Horizontal	Pass
5**	9309.100	40.35	-1.91	54.0	13.65	AV	115.00	150	Horizontal	Pass
6	14584.350	52.41	0.62	74.0	21.59	Peak	0.00	150	Horizontal	Pass
6**	14584.350	42.28	0.62	54.0	11.72	AV	0.00	150	Horizontal	Pass

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



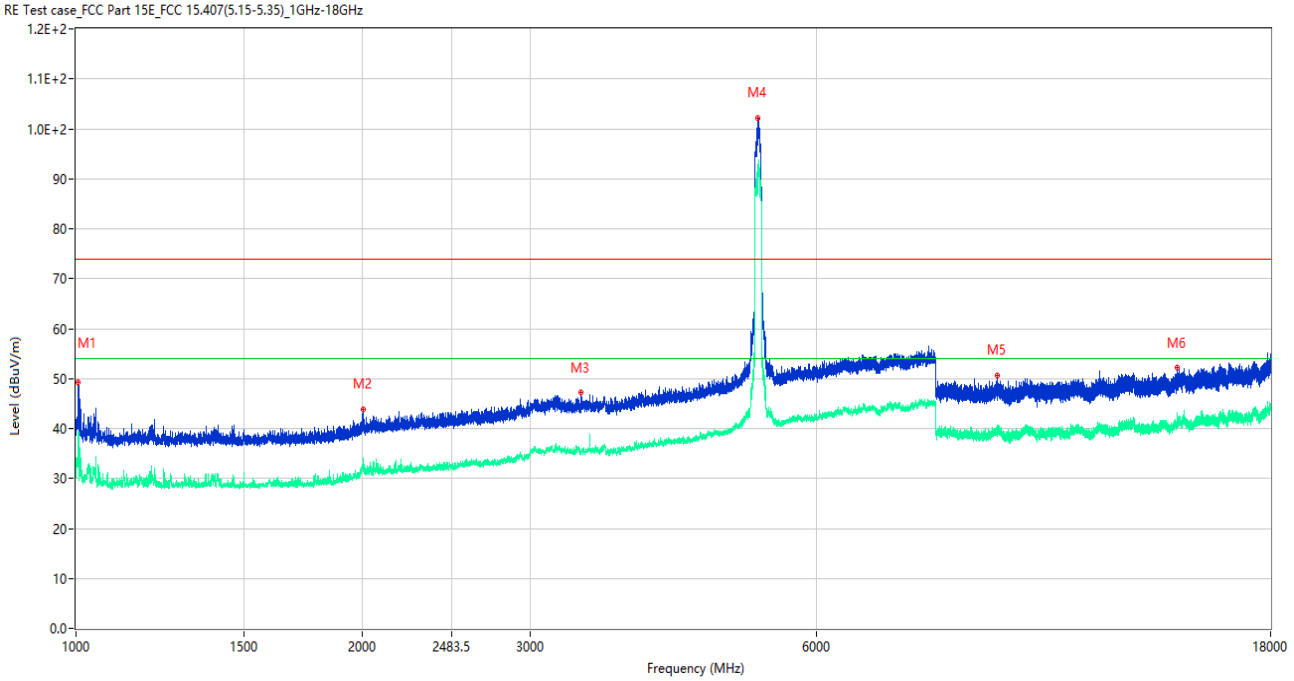
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1037.250	48.27	-14.53	74.0	25.73	Peak	54.00	150	Vertical	Pass
1**	1037.250	36.90	-14.53	54.0	17.10	AV	54.00	150	Vertical	Pass
2	1987.500	46.89	-13.59	74.0	27.11	Peak	166.00	150	Vertical	Pass
2**	1987.500	31.31	-13.59	54.0	22.69	AV	166.00	150	Vertical	Pass
3	3190.500	48.48	-6.53	74.0	25.52	Peak	179.00	150	Vertical	Pass
3**	3190.500	37.50	-6.53	54.0	16.50	AV	179.00	150	Vertical	Pass
4	5235.000	103.53	-0.85	74.0	-29.53	Peak	351.00	150	Vertical	N/A
4**	5235.000	94.96	-0.85	54.0	-40.96	AV	351.00	150	Vertical	N/A
5	9996.425	50.27	-0.80	74.0	23.73	Peak	239.00	150	Vertical	Pass
5**	9996.425	39.55	-0.80	54.0	14.45	AV	239.00	150	Vertical	Pass
6	14462.026	53.32	0.31	74.0	20.68	Peak	51.00	150	Vertical	Pass
6**	14462.026	41.61	0.31	54.0	12.39	AV	51.00	150	Vertical	Pass

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



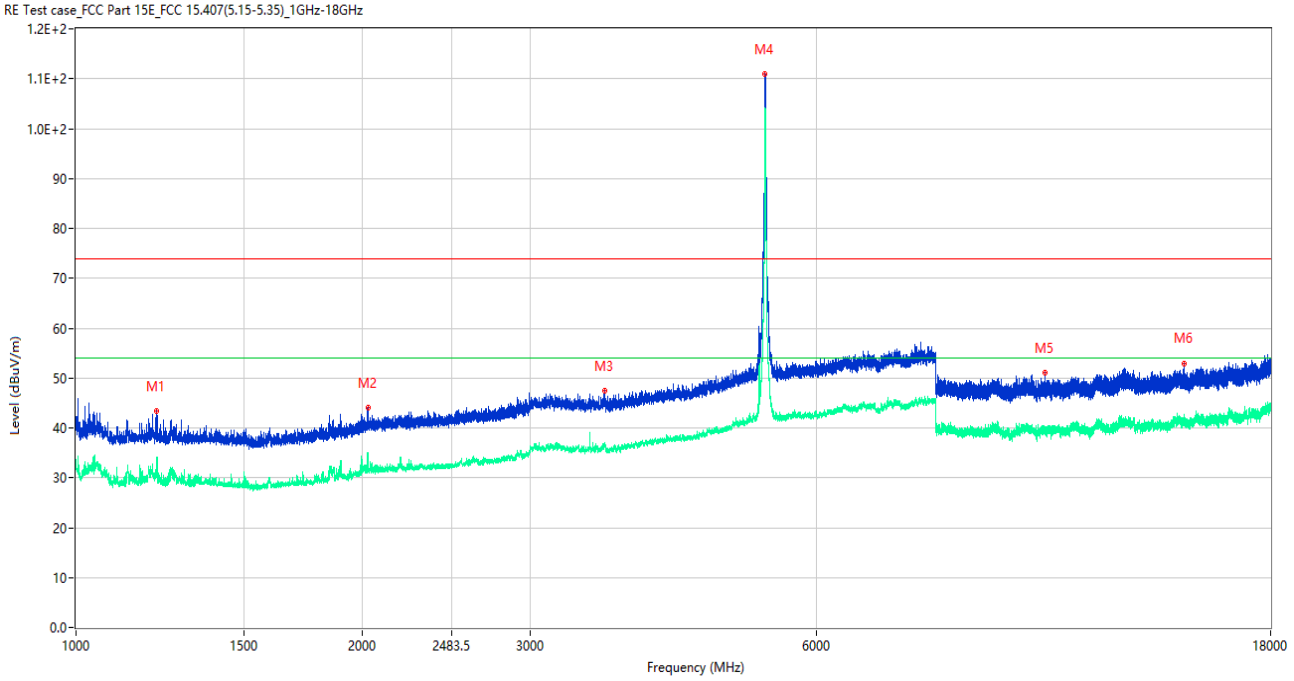
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1039.750	48.58	-14.54	74.0	25.42	Peak	89.00	150	Horizontal	Pass
1**	1039.750	36.03	-14.54	54.0	17.97	AV	89.00	150	Horizontal	Pass
2	2103.000	48.96	-12.38	74.0	25.04	Peak	178.00	150	Horizontal	Pass
2**	2103.000	40.46	-12.38	54.0	13.54	AV	178.00	150	Horizontal	Pass
3	3195.500	50.17	-6.61	74.0	23.83	Peak	172.00	150	Horizontal	Pass
3**	3195.500	38.35	-6.61	54.0	15.65	AV	172.00	150	Horizontal	Pass
4	5212.000	98.26	-0.96	74.0	-24.26	Peak	0.00	150	Horizontal	N/A
4**	5212.000	88.74	-0.96	54.0	-34.74	AV	0.00	150	Horizontal	N/A
5	9303.400	49.91	-1.97	74.0	24.09	Peak	284.00	150	Horizontal	Pass
5**	9303.400	40.30	-1.97	54.0	13.70	AV	284.00	150	Horizontal	Pass
6	12910.913	51.84	0.48	74.0	22.16	Peak	0.00	150	Horizontal	Pass
6**	12910.913	41.41	0.48	54.0	12.59	AV	0.00	150	Horizontal	Pass

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



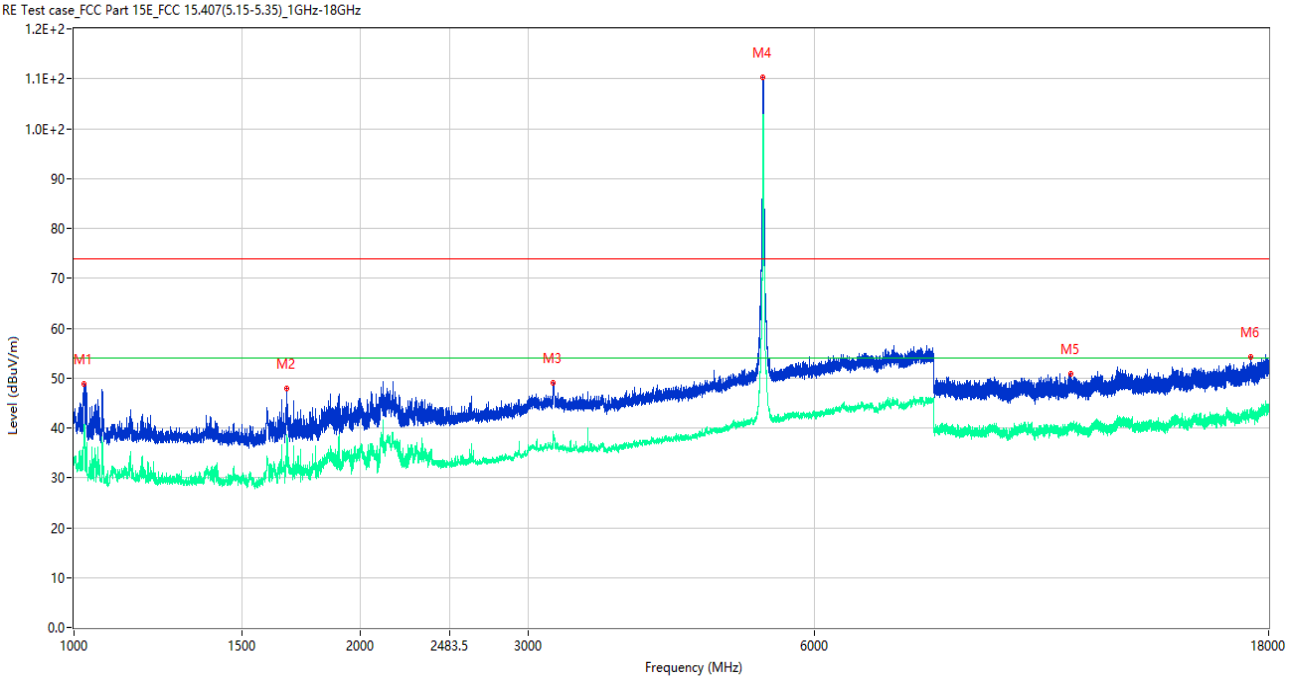
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1004.750	49.36	-13.40	74.0	24.64	Peak	132.00	150	Vertical	Pass
1**	1004.750	37.20	-13.40	54.0	16.80	AV	132.00	150	Vertical	Pass
2	2001.500	43.94	-13.06	74.0	30.06	Peak	360.00	150	Vertical	Pass
2**	2001.500	33.07	-13.06	54.0	20.93	AV	360.00	150	Vertical	Pass
3	3396.500	47.16	-6.32	74.0	26.84	Peak	199.00	150	Vertical	Pass
3**	3396.500	35.45	-6.32	54.0	18.55	AV	199.00	150	Vertical	Pass
4	5207.000	102.26	-0.87	74.0	-28.26	Peak	12.00	150	Vertical	N/A
4**	5207.000	91.76	-0.87	54.0	-37.76	AV	12.00	150	Vertical	N/A
5	9302.213	50.72	-2.00	74.0	23.28	Peak	92.00	150	Vertical	Pass
5**	9302.213	39.73	-2.00	54.0	14.27	AV	92.00	150	Vertical	Pass
6	14369.362	52.10	1.62	74.0	21.90	Peak	83.00	150	Vertical	Pass
6**	14369.362	41.59	1.62	54.0	12.41	AV	83.00	150	Vertical	Pass

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



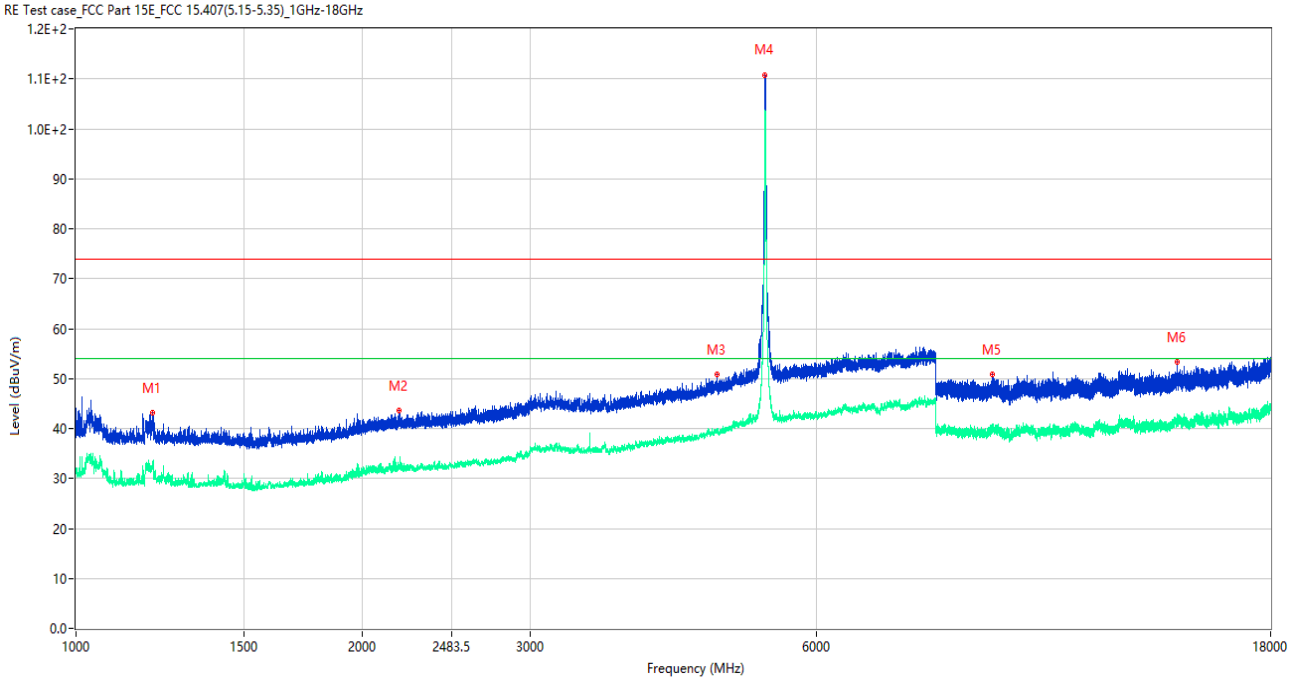
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1215.500	43.31	-15.06	74.0	30.69	Peak	154.00	150	Horizontal	Pass
1**	1215.500	33.83	-15.06	54.0	20.17	AV	154.00	150	Horizontal	Pass
2	2026.500	44.15	-12.69	74.0	29.85	Peak	127.00	150	Horizontal	Pass
2**	2026.500	34.97	-12.69	54.0	19.03	AV	127.00	150	Horizontal	Pass
3	3594.000	47.51	-5.00	74.0	26.49	Peak	120.00	150	Horizontal	Pass
3**	3594.000	36.83	-5.00	54.0	17.17	AV	120.00	150	Horizontal	Pass
4	5299.000	110.98	-0.52	74.0	-36.98	Peak	31.00	150	Horizontal	N/A
4**	5299.000	104.10	-0.52	54.0	-50.10	AV	31.00	150	Horizontal	N/A
5	10417.512	51.07	-1.20	74.0	22.93	Peak	1.00	150	Horizontal	Pass
5**	10417.512	39.85	-1.20	54.0	14.15	AV	1.00	150	Horizontal	Pass
6	14592.487	52.98	1.40	74.0	21.02	Peak	0.00	150	Horizontal	Pass
6**	14592.487	42.66	1.40	54.0	11.34	AV	0.00	150	Horizontal	Pass

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



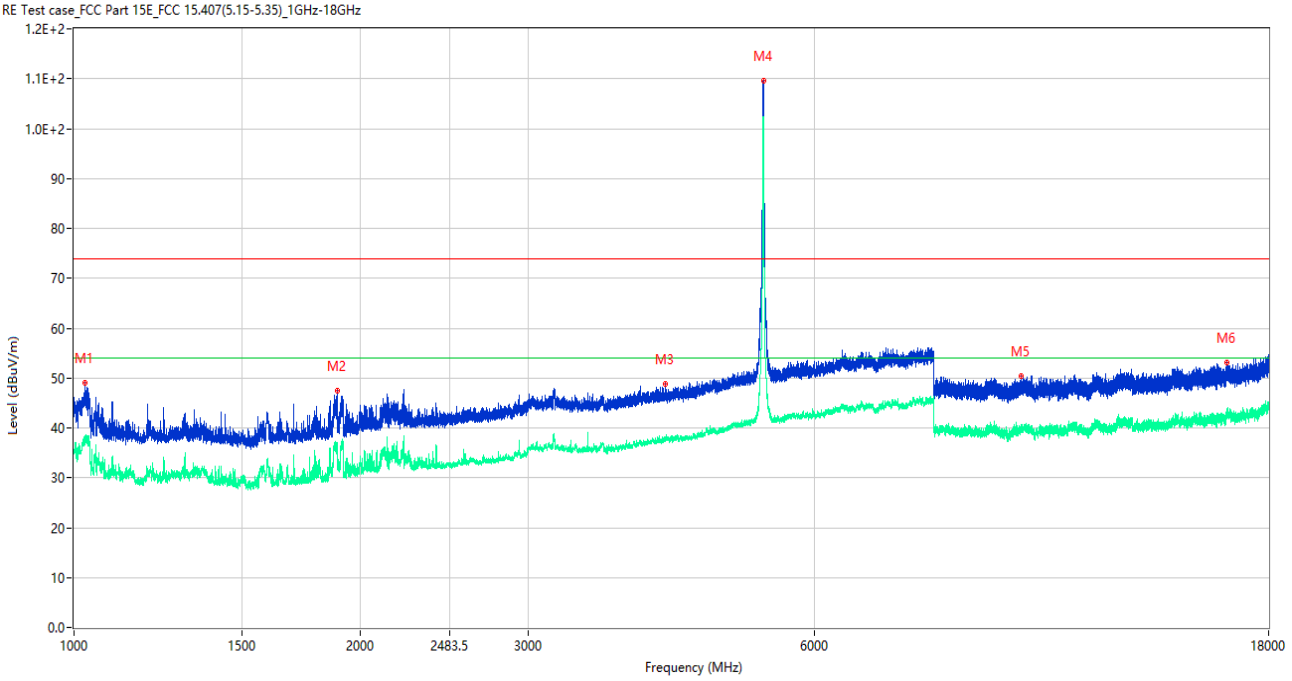
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1024.250	48.77	-14.46	74.0	25.23	Peak	86.00	150	Vertical	Pass
1**	1024.250	39.04	-14.46	54.0	14.96	AV	86.00	150	Vertical	Pass
2	1674.250	47.97	-15.29	74.0	26.03	Peak	193.00	150	Vertical	Pass
2**	1674.250	37.81	-15.29	54.0	16.19	AV	193.00	150	Vertical	Pass
3	3188.000	48.95	-6.51	74.0	25.05	Peak	168.00	150	Vertical	Pass
3**	3188.000	38.84	-6.51	54.0	15.16	AV	168.00	150	Vertical	Pass
4	5298.500	110.20	-0.53	74.0	-36.20	Peak	0.00	150	Vertical	N/A
4**	5298.500	102.22	-0.53	54.0	-48.22	AV	0.00	150	Vertical	N/A
5	11164.925	50.92	-1.19	74.0	23.08	Peak	360.00	150	Vertical	Pass
5**	11164.925	39.85	-1.19	54.0	14.15	AV	360.00	150	Vertical	Pass
6	17247.676	54.19	2.53	74.0	19.81	Peak	117.00	150	Vertical	Pass
6**	17247.676	43.49	2.53	54.0	10.51	AV	117.00	150	Vertical	Pass

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



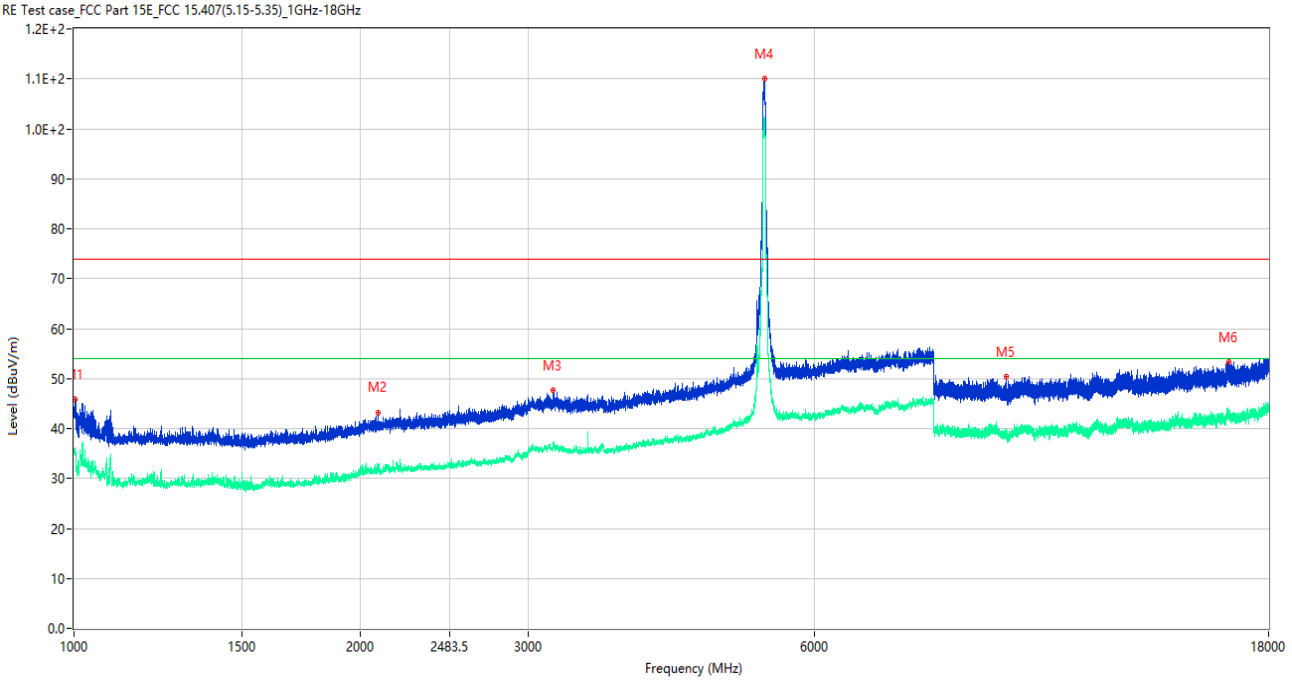
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1204.000	43.16	-14.82	74.0	30.84	Peak	121.00	150	Horizontal	Pass
1**	1204.000	33.17	-14.82	54.0	20.83	AV	121.00	150	Horizontal	Pass
2	2183.250	43.56	-11.80	74.0	30.44	Peak	215.00	150	Horizontal	Pass
2**	2183.250	32.44	-11.80	54.0	21.56	AV	215.00	150	Horizontal	Pass
3	4721.000	50.82	-1.81	74.0	23.18	Peak	200.00	150	Horizontal	Pass
3**	4721.000	39.40	-1.81	54.0	14.60	AV	200.00	150	Horizontal	Pass
4	5299.000	110.84	-0.52	74.0	-36.84	Peak	351.00	150	Horizontal	N/A
4**	5299.000	103.29	-0.52	54.0	-49.29	AV	351.00	150	Horizontal	N/A
5	9178.951	50.93	-2.02	74.0	23.07	Peak	164.00	150	Horizontal	Pass
5**	9178.951	40.83	-2.02	54.0	13.17	AV	164.00	150	Horizontal	Pass
6	14366.213	53.23	1.78	74.0	20.77	Peak	292.00	150	Horizontal	Pass
6**	14366.213	42.29	1.78	54.0	11.71	AV	292.00	150	Horizontal	Pass

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



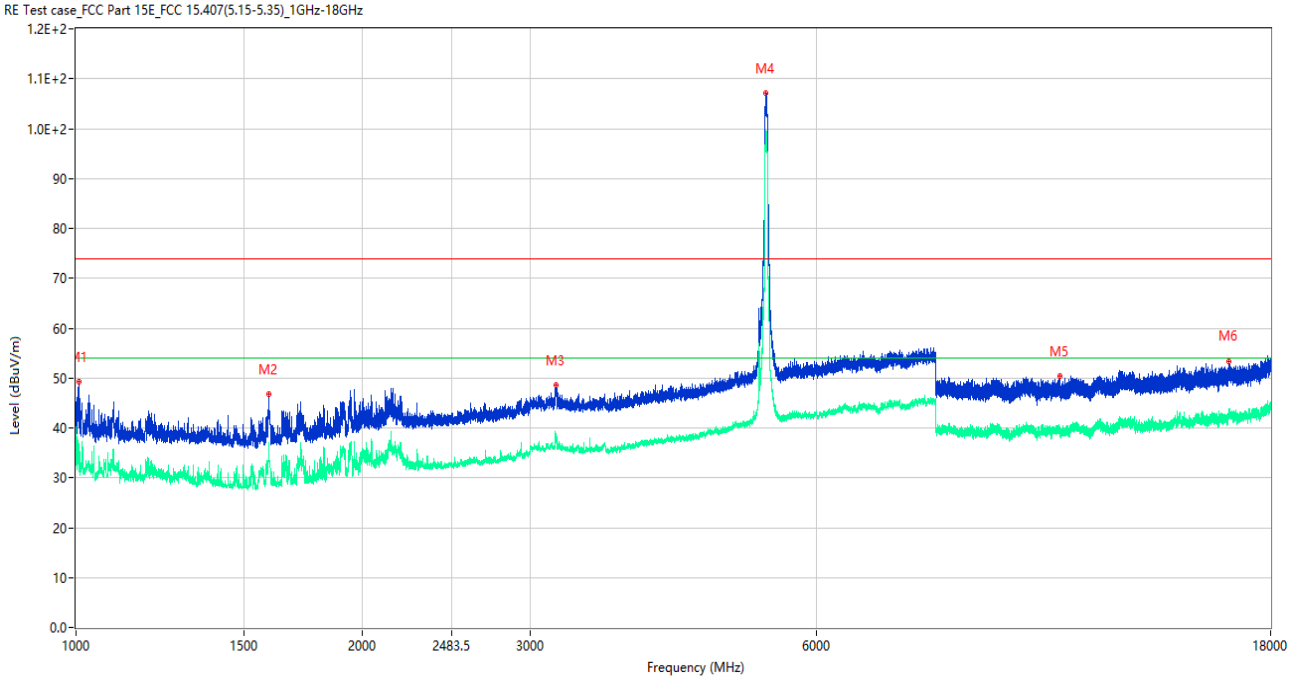
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1026.250	48.96	-14.48	74.0	25.04	Peak	84.00	150	Vertical	Pass
1**	1026.250	37.39	-14.48	54.0	16.61	AV	84.00	150	Vertical	Pass
2	1889.000	47.35	-14.19	74.0	26.65	Peak	182.00	150	Vertical	Pass
2**	1889.000	36.78	-14.19	54.0	17.22	AV	182.00	150	Vertical	Pass
3	4177.500	48.71	-3.17	74.0	25.29	Peak	230.00	150	Vertical	Pass
3**	4177.500	37.71	-3.17	54.0	16.29	AV	230.00	150	Vertical	Pass
4	5301.000	109.65	-0.61	74.0	-35.65	Peak	0.00	150	Vertical	N/A
4**	5301.000	102.45	-0.61	54.0	-48.45	AV	0.00	150	Vertical	N/A
5	9890.737	50.38	-1.13	74.0	23.62	Peak	239.00	150	Vertical	Pass
5**	9890.737	39.89	-1.13	54.0	14.11	AV	239.00	150	Vertical	Pass
6	16287.974	53.03	2.33	74.0	20.97	Peak	360.00	150	Vertical	Pass
6**	16287.974	43.38	2.33	54.0	10.62	AV	360.00	150	Vertical	Pass

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



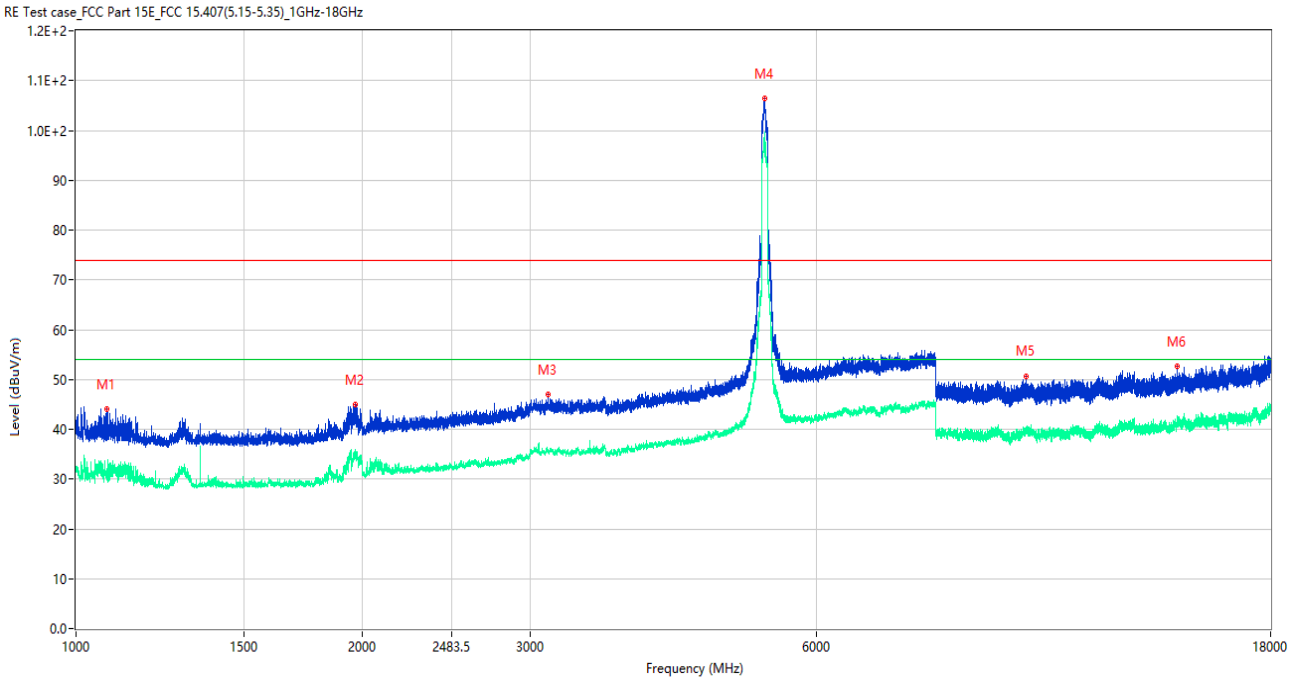
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1002.750	45.93	-13.47	74.0	28.07	Peak	123.00	150	Horizontal	Pass
1**	1002.750	35.33	-13.47	54.0	18.67	AV	123.00	150	Horizontal	Pass
2	2087.500	43.20	-12.44	74.0	30.80	Peak	137.00	150	Horizontal	Pass
2**	2087.500	31.52	-12.44	54.0	22.48	AV	137.00	150	Horizontal	Pass
3	3188.000	47.68	-6.51	74.0	26.32	Peak	90.00	150	Horizontal	Pass
3**	3188.000	37.36	-6.51	54.0	16.64	AV	90.00	150	Horizontal	Pass
4	5313.000	110.12	-0.48	74.0	-36.12	Peak	355.00	150	Horizontal	N/A
4**	5313.000	102.07	-0.48	54.0	-48.07	AV	355.00	150	Horizontal	N/A
5	9548.262	50.30	-0.52	74.0	23.70	Peak	70.00	150	Horizontal	Pass
5**	9548.262	38.97	-0.52	54.0	15.03	AV	70.00	150	Horizontal	Pass
6	16333.912	53.35	2.23	74.0	20.65	Peak	154.00	150	Horizontal	Pass
6**	16333.912	42.35	2.23	54.0	11.65	AV	154.00	150	Horizontal	Pass

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



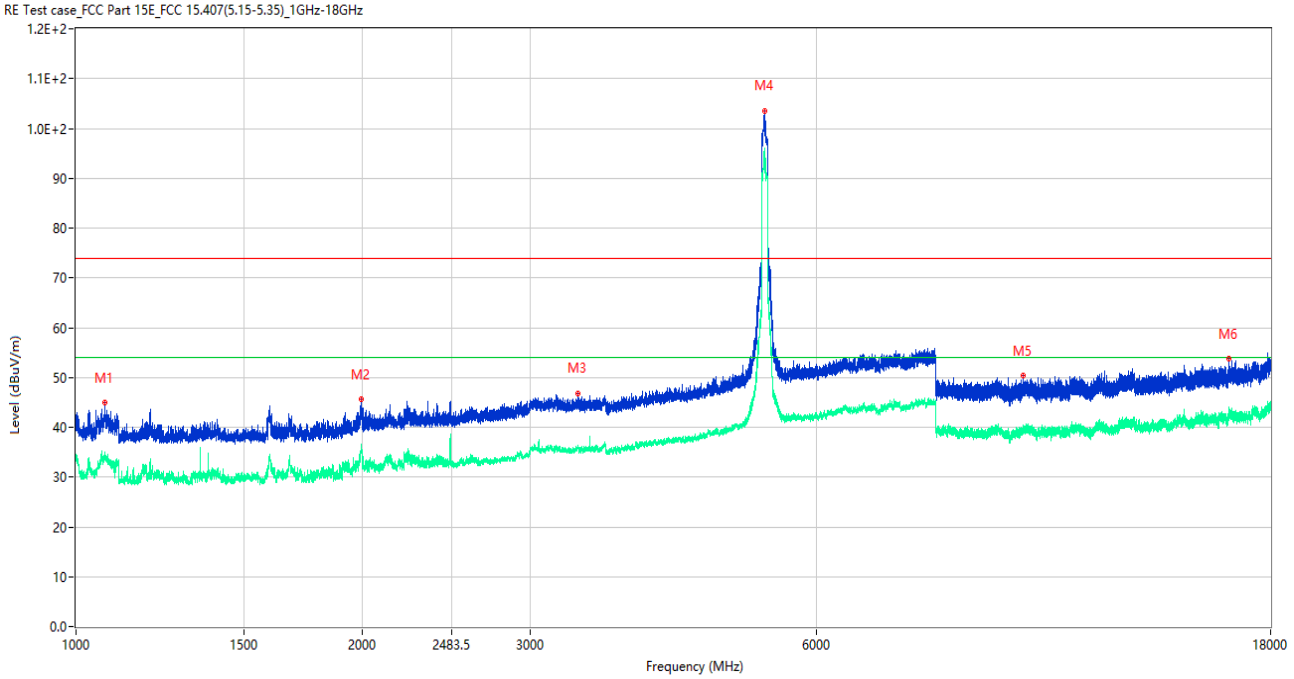
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1006.250	49.32	-13.32	74.0	24.68	Peak	68.00	150	Vertical	Pass
1**	1006.250	34.68	-13.32	54.0	19.32	AV	68.00	150	Vertical	Pass
2	1594.500	46.83	-15.19	74.0	27.17	Peak	186.00	150	Vertical	Pass
2**	1594.500	35.36	-15.19	54.0	18.64	AV	186.00	150	Vertical	Pass
3	3194.000	48.52	-6.57	74.0	25.48	Peak	180.00	150	Vertical	Pass
3**	3194.000	37.56	-6.57	54.0	16.44	AV	180.00	150	Vertical	Pass
4	5307.000	107.10	-0.56	74.0	-33.10	Peak	51.00	150	Vertical	N/A
4**	5307.000	99.44	-0.56	54.0	-45.44	AV	51.00	150	Vertical	N/A
5	10804.400	50.34	-0.89	74.0	23.66	Peak	190.00	150	Vertical	Pass
5**	10804.400	39.45	-0.89	54.0	14.55	AV	190.00	150	Vertical	Pass
6	16287.450	53.28	2.44	74.0	20.72	Peak	187.00	150	Vertical	Pass
6**	16287.450	43.21	2.44	54.0	10.79	AV	187.00	150	Vertical	Pass

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



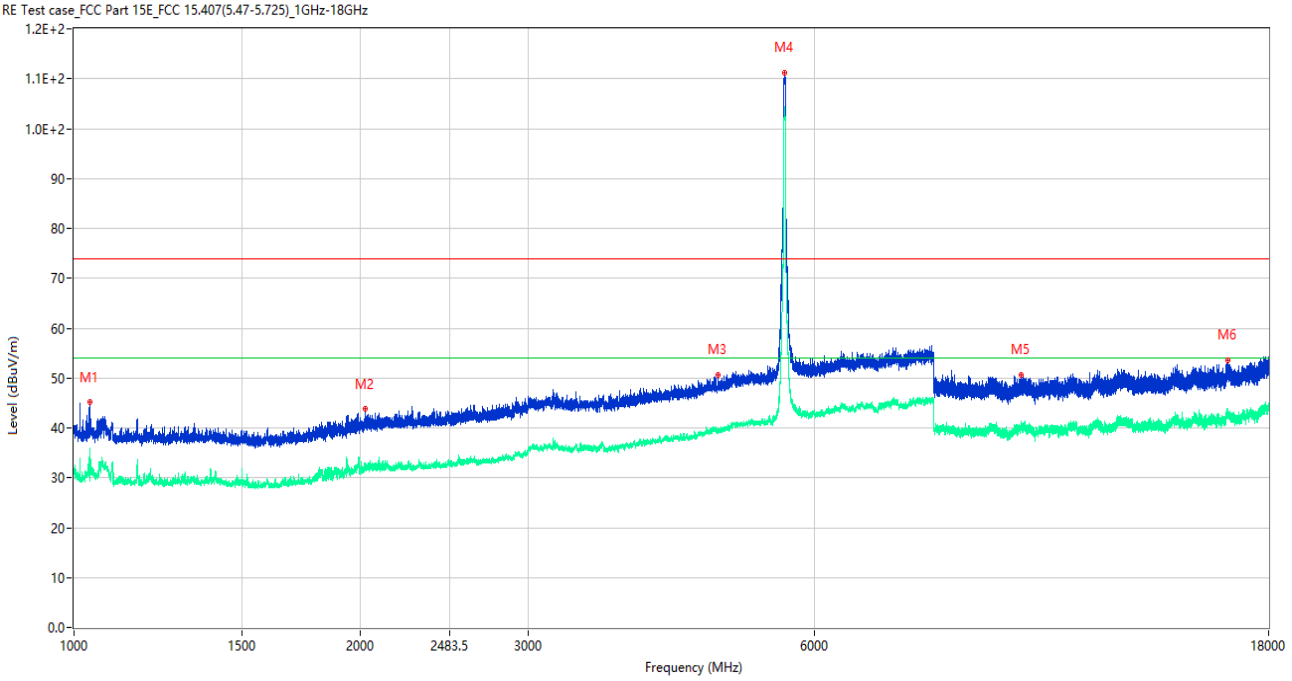
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1077.500	44.10	-14.55	74.0	29.90	Peak	88.00	150	Horizontal	Pass
1**	1077.500	30.36	-14.55	54.0	23.64	AV	88.00	150	Horizontal	Pass
2	1964.750	44.99	-13.69	74.0	29.01	Peak	102.00	150	Horizontal	Pass
2**	1964.750	34.95	-13.69	54.0	19.05	AV	102.00	150	Horizontal	Pass
3	3134.500	46.94	-6.23	74.0	27.06	Peak	3.00	150	Horizontal	Pass
3**	3134.500	35.90	-6.23	54.0	18.10	AV	3.00	150	Horizontal	Pass
4	5292.500	106.37	-0.51	74.0	-32.37	Peak	267.00	150	Horizontal	N/A
4**	5292.500	98.98	-0.51	54.0	-44.98	AV	267.00	150	Horizontal	N/A
5	9972.200	50.73	-0.58	74.0	23.27	Peak	52.00	150	Horizontal	Pass
5**	9972.200	40.03	-0.58	54.0	13.97	AV	52.00	150	Horizontal	Pass
6	14365.688	52.57	1.75	74.0	21.43	Peak	173.00	150	Horizontal	Pass
6**	14365.688	42.08	1.75	54.0	11.92	AV	173.00	150	Horizontal	Pass

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



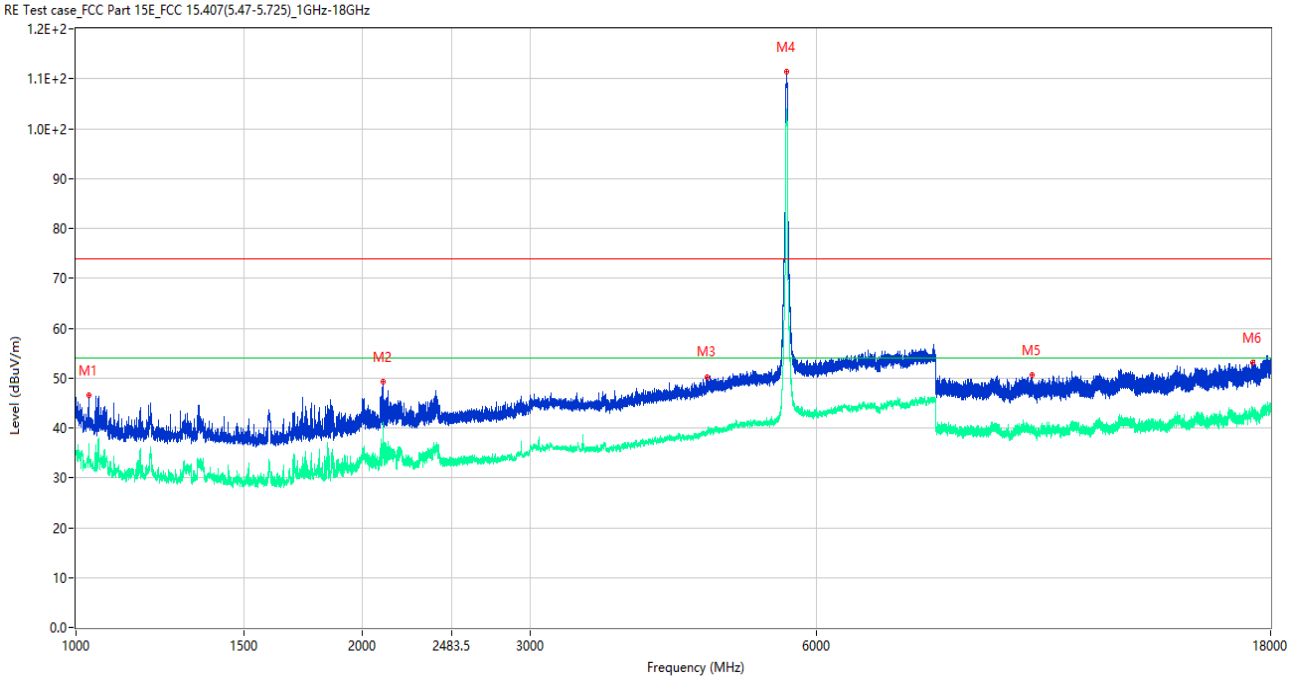
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1072.500	44.90	-14.33	74.0	29.10	Peak	138.00	150	Vertical	Pass
1**	1072.500	34.34	-14.33	54.0	19.66	AV	138.00	150	Vertical	Pass
2	1993.250	45.62	-13.42	74.0	28.38	Peak	33.00	150	Vertical	Pass
2**	1993.250	35.32	-13.42	54.0	18.68	AV	33.00	150	Vertical	Pass
3	3369.000	46.86	-5.25	74.0	27.14	Peak	329.00	150	Vertical	Pass
3**	3369.000	35.98	-5.25	54.0	18.02	AV	329.00	150	Vertical	Pass
4	5292.500	103.60	-0.51	74.0	-29.60	Peak	279.00	150	Vertical	N/A
4**	5292.500	95.95	-0.51	54.0	-41.95	AV	279.00	150	Vertical	N/A
5	9891.925	50.29	-1.17	74.0	23.71	Peak	28.00	150	Vertical	Pass
5**	9891.925	40.39	-1.17	54.0	13.61	AV	28.00	150	Vertical	Pass
6	16283.250	53.74	2.26	74.0	20.26	Peak	207.00	150	Vertical	Pass
6**	16283.250	42.61	2.26	54.0	11.39	AV	207.00	150	Vertical	Pass

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



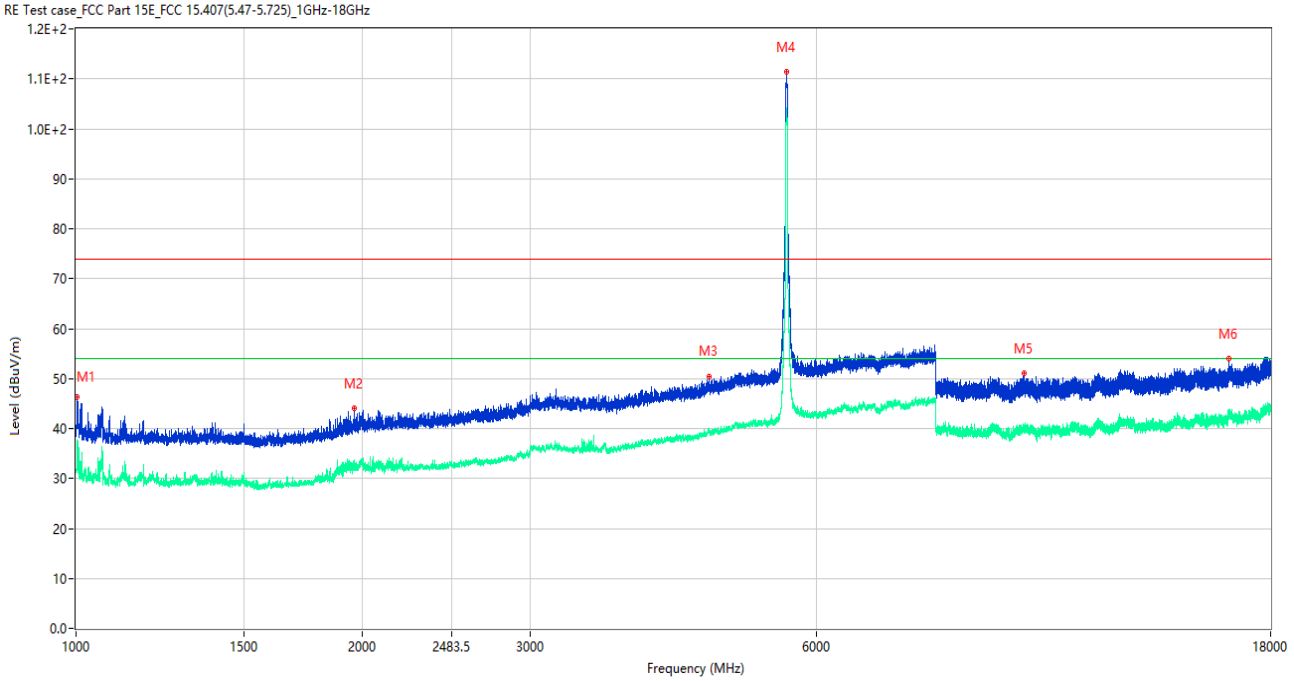
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1039.000	45.25	-14.55	74.0	28.75	Peak	129.00	150	Horizontal	Pass
1**	1039.000	31.15	-14.55	54.0	22.85	AV	129.00	150	Horizontal	Pass
2	2024.500	43.74	-12.77	74.0	30.26	Peak	101.00	150	Horizontal	Pass
2**	2024.500	31.98	-12.77	54.0	22.02	AV	101.00	150	Horizontal	Pass
3	4755.000	50.73	-1.92	74.0	23.27	Peak	136.00	150	Horizontal	Pass
3**	4755.000	39.24	-1.92	54.0	14.76	AV	136.00	150	Horizontal	Pass
4	5578.500	111.27	-0.75	74.0	-37.27	Peak	0.00	150	Horizontal	N/A
4**	5578.500	103.60	-0.75	54.0	-49.60	AV	0.00	150	Horizontal	N/A
5	9892.163	50.72	-1.17	74.0	23.28	Peak	25.00	150	Horizontal	Pass
5**	9892.163	40.16	-1.17	54.0	13.84	AV	25.00	150	Horizontal	Pass
6	16303.462	53.56	2.09	74.0	20.44	Peak	221.00	150	Horizontal	Pass
6**	16303.462	43.00	2.09	54.0	11.00	AV	221.00	150	Horizontal	Pass

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



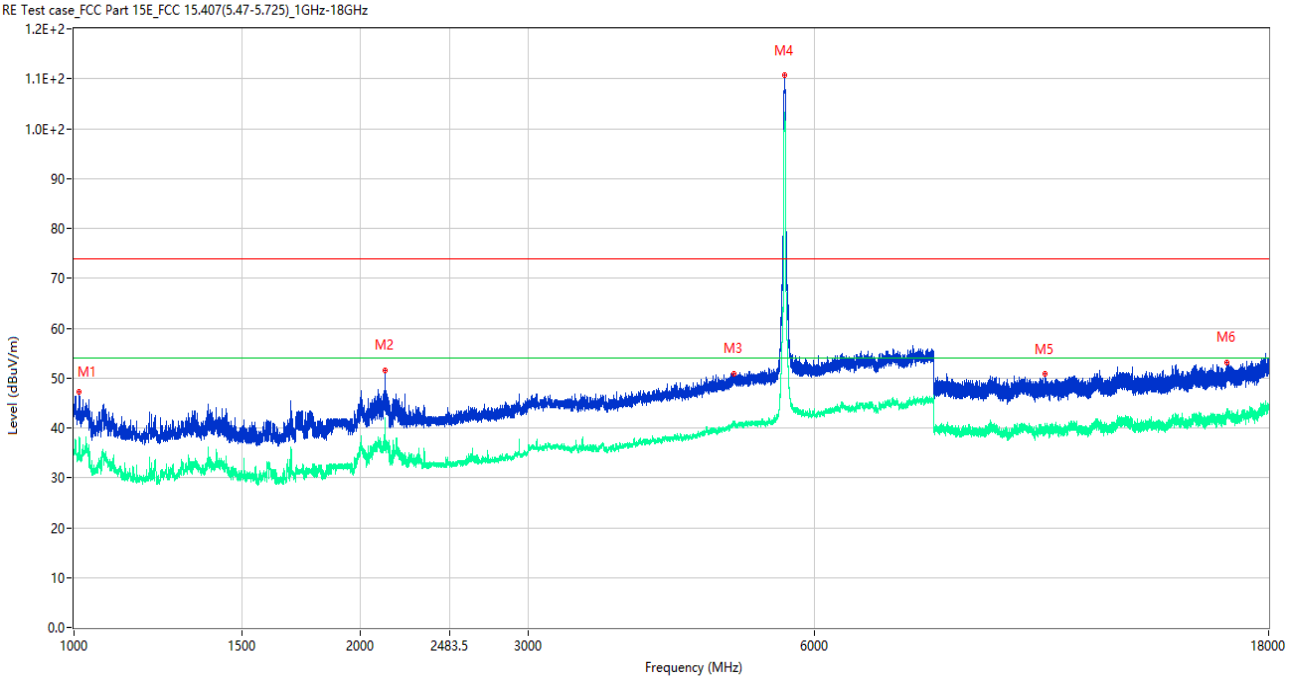
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1031.250	46.61	-14.50	74.0	27.39	Peak	81.00	150	Vertical	Pass
1**	1031.250	36.86	-14.50	54.0	17.14	AV	81.00	150	Vertical	Pass
2	2101.750	49.19	-12.36	74.0	24.81	Peak	184.00	150	Vertical	Pass
2**	2101.750	40.28	-12.36	54.0	13.72	AV	184.00	150	Vertical	Pass
3	4599.500	50.26	-2.57	74.0	23.74	Peak	199.00	150	Vertical	Pass
3**	4599.500	38.75	-2.57	54.0	15.25	AV	199.00	150	Vertical	Pass
4	5578.000	111.40	-0.75	74.0	-37.40	Peak	40.00	150	Vertical	N/A
4**	5578.000	102.77	-0.75	54.0	-48.77	AV	40.00	150	Vertical	N/A
5	10097.362	50.56	-1.06	74.0	23.44	Peak	236.00	150	Vertical	Pass
5**	10097.362	39.42	-1.06	54.0	14.58	AV	236.00	150	Vertical	Pass
6	17243.474	53.08	2.51	74.0	20.92	Peak	82.00	150	Vertical	Pass
6**	17243.474	42.89	2.51	54.0	11.11	AV	82.00	150	Vertical	Pass

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



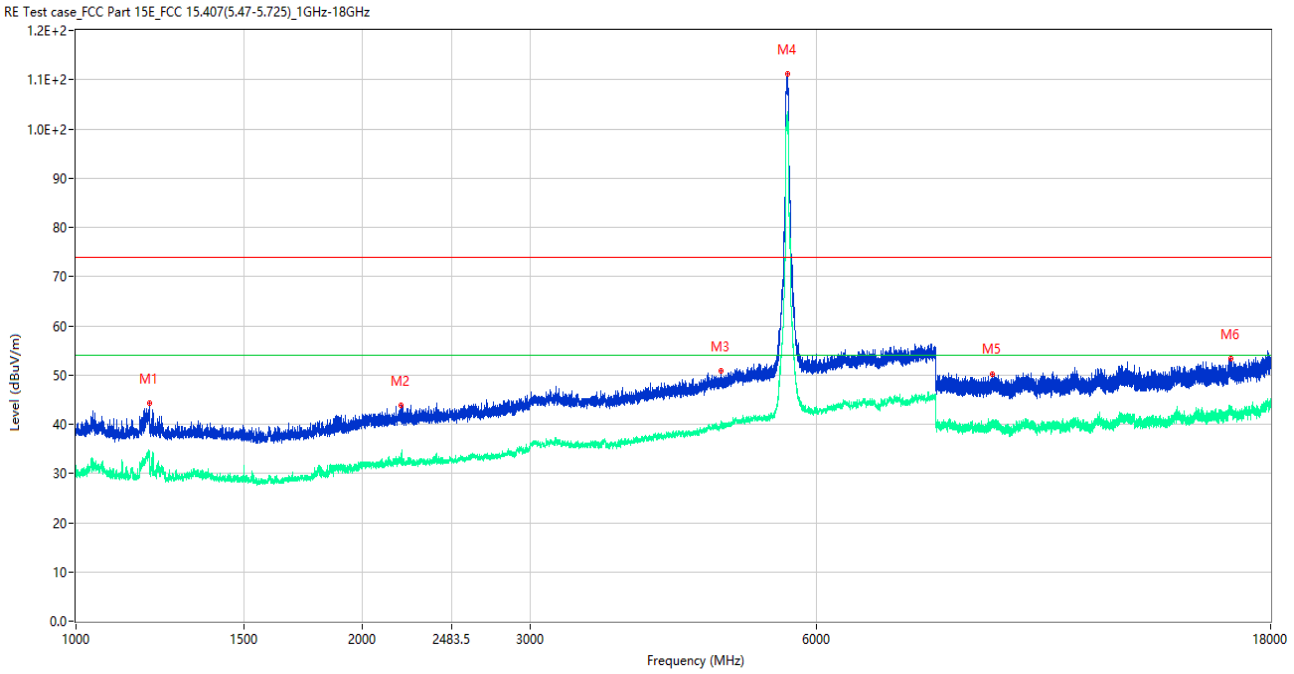
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1003.000	46.44	-13.47	74.0	27.56	Peak	121.00	150	Horizontal	Pass
1**	1003.000	34.81	-13.47	54.0	19.19	AV	121.00	150	Horizontal	Pass
2	1958.750	44.04	-13.71	74.0	29.96	Peak	135.00	150	Horizontal	Pass
2**	1958.750	33.00	-13.71	54.0	21.00	AV	135.00	150	Horizontal	Pass
3	4628.500	50.32	-1.51	74.0	23.68	Peak	121.00	150	Horizontal	Pass
3**	4628.500	39.51	-1.51	54.0	14.49	AV	121.00	150	Horizontal	Pass
4	5581.000	111.40	-0.71	74.0	-37.40	Peak	0.00	150	Horizontal	N/A
4**	5581.000	104.09	-0.71	54.0	-50.09	AV	0.00	150	Horizontal	N/A
5	9917.813	50.97	-0.97	74.0	23.03	Peak	239.00	150	Horizontal	Pass
5**	9917.813	39.69	-0.97	54.0	14.31	AV	239.00	150	Horizontal	Pass
6	16279.050	54.04	2.16	74.0	19.96	Peak	290.00	150	Horizontal	Pass
6**	16279.050	43.50	2.16	54.0	10.50	AV	290.00	150	Horizontal	Pass

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



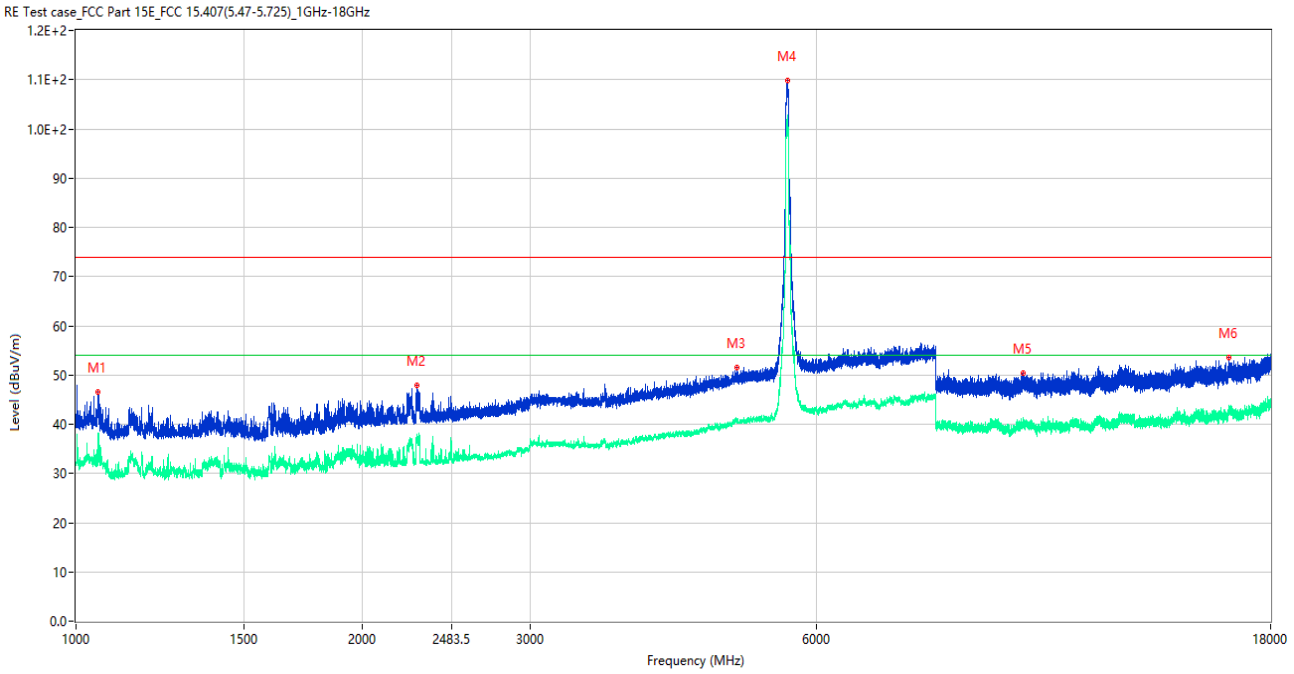
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1012.500	47.20	-13.51	74.0	26.80	Peak	94.00	150	Vertical	Pass
1**	1012.500	36.01	-13.51	54.0	17.99	AV	94.00	150	Vertical	Pass
2	2120.500	51.62	-12.22	74.0	22.38	Peak	191.00	150	Vertical	Pass
2**	2120.500	37.51	-12.22	54.0	16.49	AV	191.00	150	Vertical	Pass
3	4942.000	50.95	-0.53	74.0	23.05	Peak	268.00	150	Vertical	Pass
3**	4942.000	40.88	-0.53	54.0	13.12	AV	268.00	150	Vertical	Pass
4	5581.000	110.70	-0.71	74.0	-36.70	Peak	0.00	150	Vertical	N/A
4**	5581.000	103.20	-0.71	54.0	-49.20	AV	0.00	150	Vertical	N/A
5	10484.963	50.84	-1.14	74.0	23.16	Peak	45.00	150	Vertical	Pass
5**	10484.963	40.29	-1.14	54.0	13.71	AV	45.00	150	Vertical	Pass
6	16279.312	53.10	2.15	74.0	20.90	Peak	221.00	150	Vertical	Pass
6**	16279.312	43.16	2.15	54.0	10.84	AV	221.00	150	Vertical	Pass

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



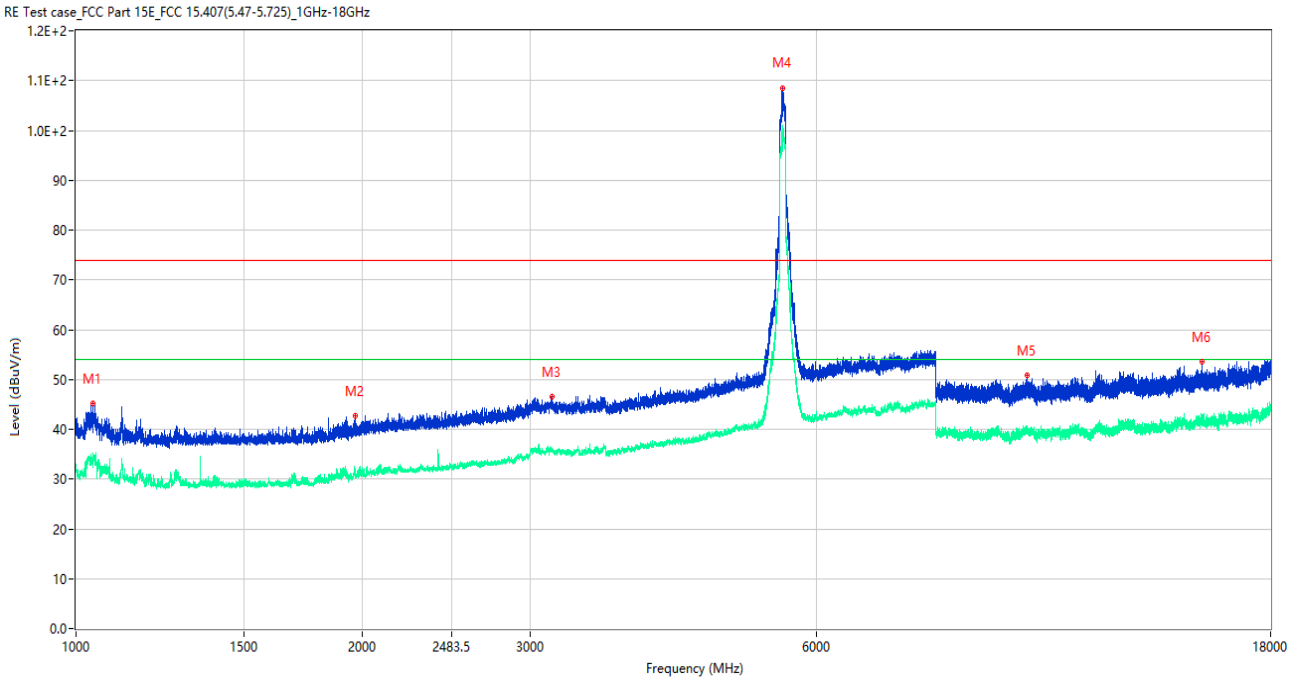
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1194.000	44.35	-14.81	74.0	29.65	Peak	151.00	150	Horizontal	Pass
1**	1194.000	33.83	-14.81	54.0	20.17	AV	151.00	150	Horizontal	Pass
2	2197.500	43.80	-12.00	74.0	30.20	Peak	230.00	150	Horizontal	Pass
2**	2197.500	32.92	-12.00	54.0	21.08	AV	230.00	150	Horizontal	Pass
3	4756.000	50.79	-1.94	74.0	23.21	Peak	231.00	150	Horizontal	Pass
3**	4756.000	39.47	-1.94	54.0	14.53	AV	231.00	150	Horizontal	Pass
4	5588.000	111.18	-0.60	74.0	-37.18	Peak	348.00	150	Horizontal	N/A
4**	5588.000	103.12	-0.60	54.0	-49.12	AV	348.00	150	Horizontal	N/A
5	9181.799	50.19	-2.06	74.0	23.81	Peak	1.00	150	Horizontal	Pass
5**	9181.799	40.28	-2.06	54.0	13.72	AV	1.00	150	Horizontal	Pass
6	16331.288	53.44	2.30	74.0	20.56	Peak	227.00	150	Horizontal	Pass
6**	16331.288	43.56	2.30	54.0	10.44	AV	227.00	150	Horizontal	Pass

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



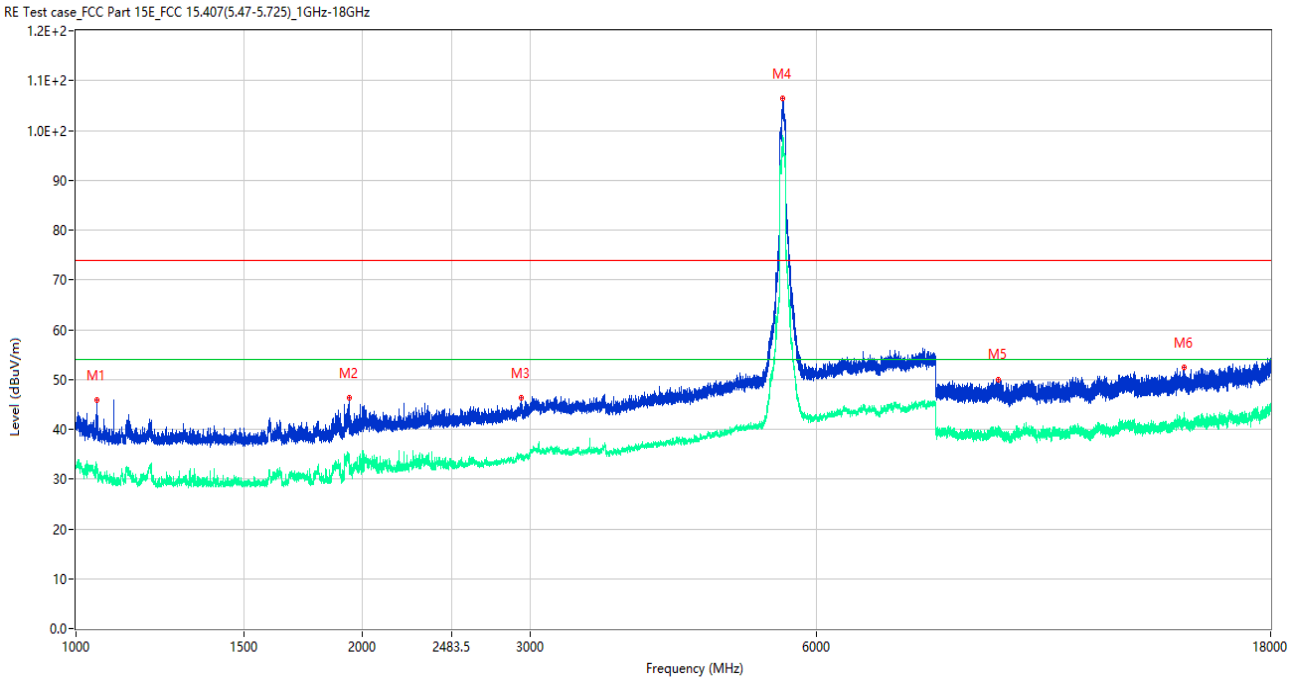
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1054.500	46.44	-14.51	74.0	27.56	Peak	75.00	150	Vertical	Pass
1**	1054.500	31.58	-14.51	54.0	22.42	AV	75.00	150	Vertical	Pass
2	2282.250	47.90	-11.64	74.0	26.10	Peak	172.00	150	Vertical	Pass
2**	2282.250	37.39	-11.64	54.0	16.61	AV	172.00	150	Vertical	Pass
3	4946.500	51.48	-0.51	74.0	22.52	Peak	59.00	150	Vertical	Pass
3**	4946.500	40.19	-0.51	54.0	13.81	AV	59.00	150	Vertical	Pass
4	5588.500	109.83	-0.57	74.0	-35.83	Peak	0.00	150	Vertical	N/A
4**	5588.500	102.31	-0.57	54.0	-48.31	AV	0.00	150	Vertical	N/A
5	9892.163	50.29	-1.17	74.0	23.71	Peak	93.00	150	Vertical	Pass
5**	9892.163	40.20	-1.17	54.0	13.80	AV	93.00	150	Vertical	Pass
6	16280.100	53.58	2.08	74.0	20.42	Peak	0.00	150	Vertical	Pass
6**	16280.100	43.41	2.08	54.0	10.59	AV	0.00	150	Vertical	Pass

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



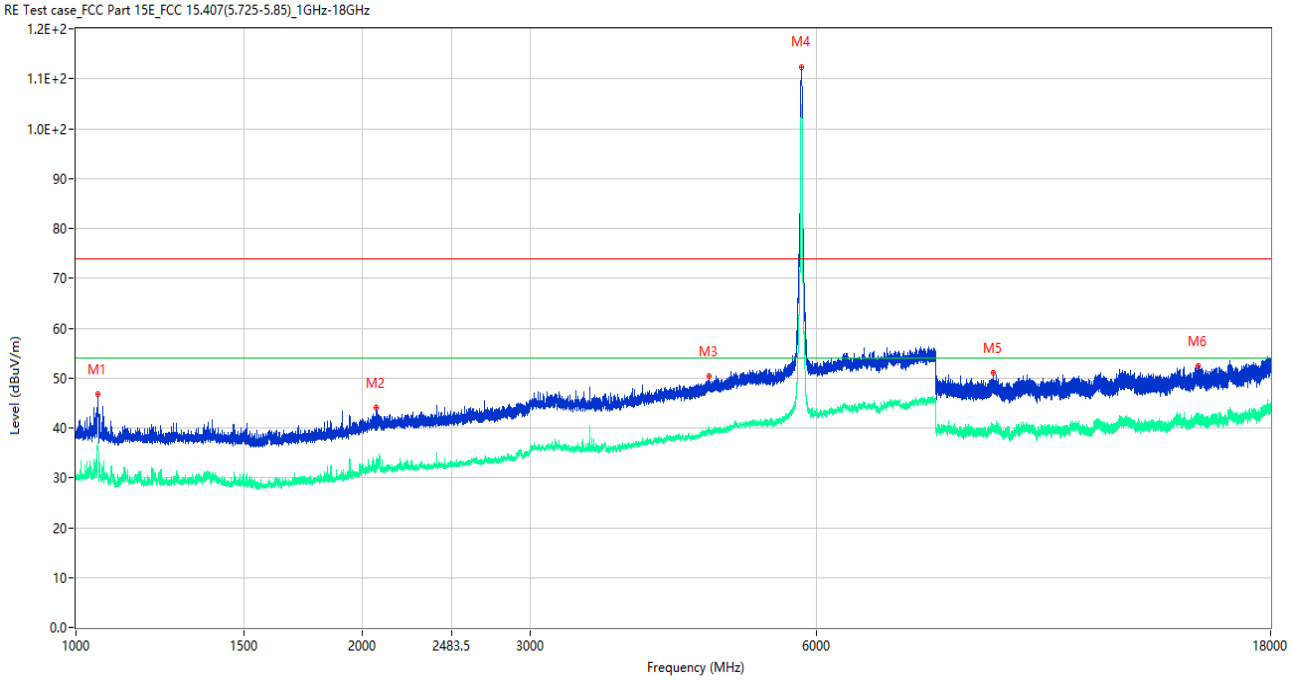
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1042.500	45.18	-14.52	74.0	28.82	Peak	62.00	150	Horizontal	Pass
1**	1042.500	34.38	-14.52	54.0	19.62	AV	62.00	150	Horizontal	Pass
2	1965.250	42.76	-13.67	74.0	31.24	Peak	304.00	150	Horizontal	Pass
2**	1965.250	30.99	-13.67	54.0	23.01	AV	304.00	150	Horizontal	Pass
3	3163.500	46.63	-5.71	74.0	27.37	Peak	292.00	150	Horizontal	Pass
3**	3163.500	35.84	-5.71	54.0	18.16	AV	292.00	150	Horizontal	Pass
4	5531.500	108.57	-0.64	74.0	-34.57	Peak	272.00	150	Horizontal	N/A
4**	5531.500	100.45	-0.64	54.0	-46.45	AV	272.00	150	Horizontal	N/A
5	9990.487	50.85	-0.65	74.0	23.15	Peak	243.00	150	Horizontal	Pass
5**	9990.487	39.63	-0.65	54.0	14.37	AV	243.00	150	Horizontal	Pass
6	15263.438	53.46	2.18	74.0	20.54	Peak	207.00	150	Horizontal	Pass
6**	15263.438	42.16	2.18	54.0	11.84	AV	207.00	150	Horizontal	Pass

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



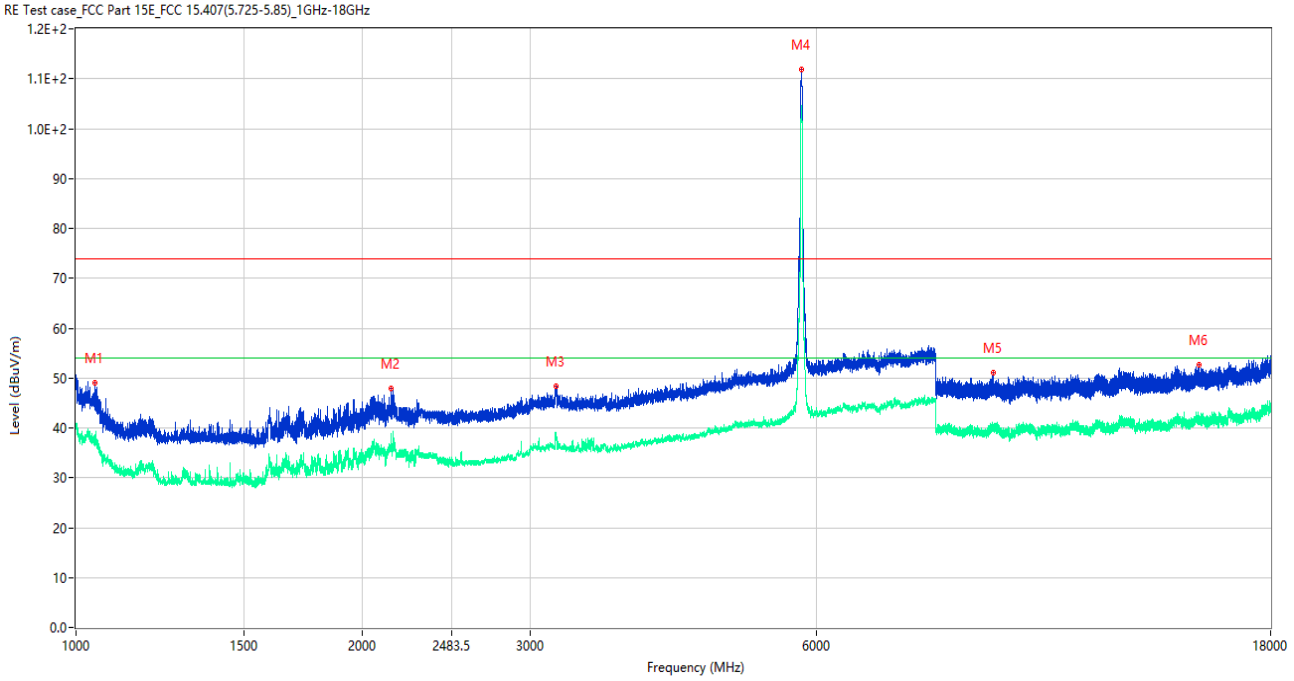
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1052.250	45.82	-14.58	74.0	28.18	Peak	160.00	150	Vertical	Pass
1**	1052.250	31.33	-14.58	54.0	22.67	AV	160.00	150	Vertical	Pass
2	1937.250	46.33	-13.92	74.0	27.67	Peak	50.00	150	Vertical	Pass
2**	1937.250	33.26	-13.92	54.0	20.74	AV	50.00	150	Vertical	Pass
3	2934.250	46.25	-6.87	74.0	27.75	Peak	354.00	150	Vertical	Pass
3**	2934.250	34.38	-6.87	54.0	19.62	AV	354.00	150	Vertical	Pass
4	5531.500	106.33	-0.64	74.0	-32.33	Peak	289.00	150	Vertical	N/A
4**	5531.500	97.98	-0.64	54.0	-43.98	AV	289.00	150	Vertical	N/A
5	9308.862	50.04	-1.87	74.0	23.96	Peak	245.00	150	Vertical	Pass
5**	9308.862	39.67	-1.87	54.0	14.33	AV	245.00	150	Vertical	Pass
6	14593.537	52.42	1.18	74.0	21.58	Peak	9.00	150	Vertical	Pass
6**	14593.537	42.09	1.18	54.0	11.91	AV	9.00	150	Vertical	Pass

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



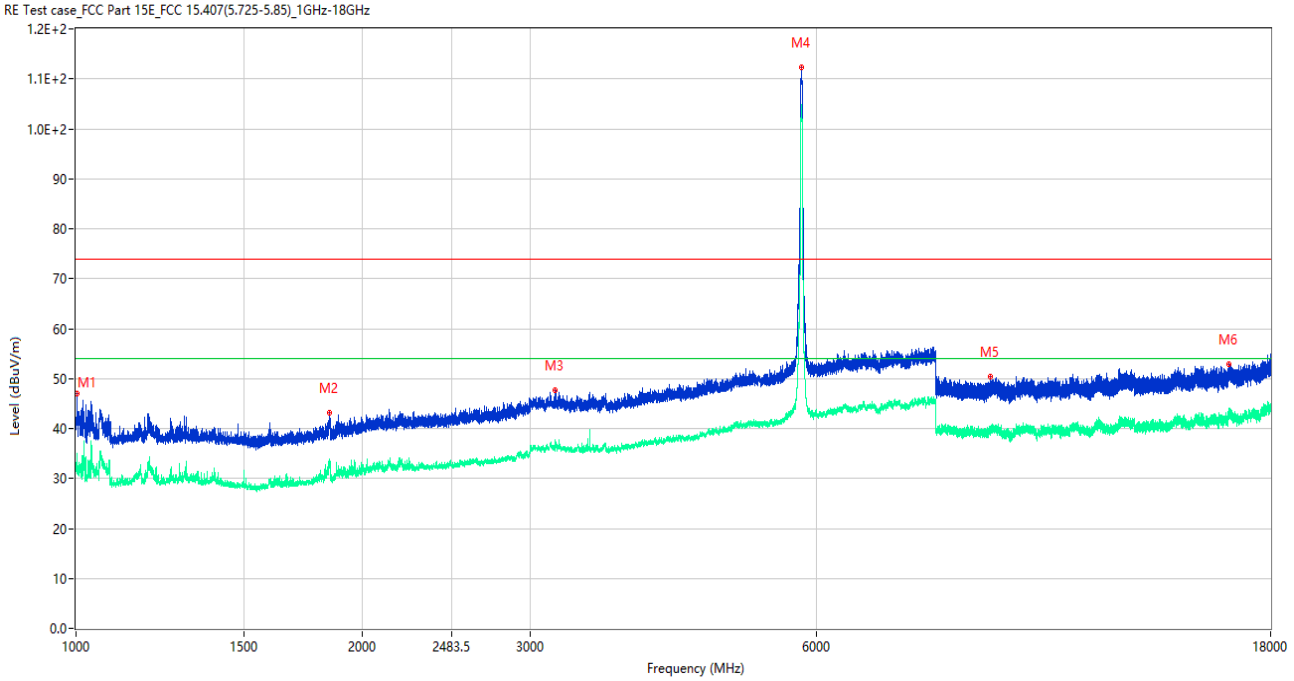
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1054.250	46.74	-14.53	74.0	27.26	Peak	131.00	150	Horizontal	Pass
1**	1054.250	36.15	-14.53	54.0	17.85	AV	131.00	150	Horizontal	Pass
2	2069.250	44.01	-12.64	74.0	29.99	Peak	90.00	150	Horizontal	Pass
2**	2069.250	31.38	-12.64	54.0	22.62	AV	90.00	150	Horizontal	Pass
3	4623.000	50.31	-1.60	74.0	23.69	Peak	179.00	150	Horizontal	Pass
3**	4623.000	39.49	-1.60	54.0	14.51	AV	179.00	150	Horizontal	Pass
4	5786.000	112.43	0.38	74.0	-38.43	Peak	0.00	150	Horizontal	N/A
4**	5786.000	104.72	0.38	54.0	-50.72	AV	0.00	150	Horizontal	N/A
5	9209.588	51.14	-2.12	74.0	22.86	Peak	46.00	150	Horizontal	Pass
5**	9209.588	39.96	-2.12	54.0	14.04	AV	46.00	150	Horizontal	Pass
6	15094.912	52.46	1.36	74.0	21.54	Peak	0.00	150	Horizontal	Pass
6**	15094.912	42.24	1.36	54.0	11.76	AV	0.00	150	Horizontal	Pass

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



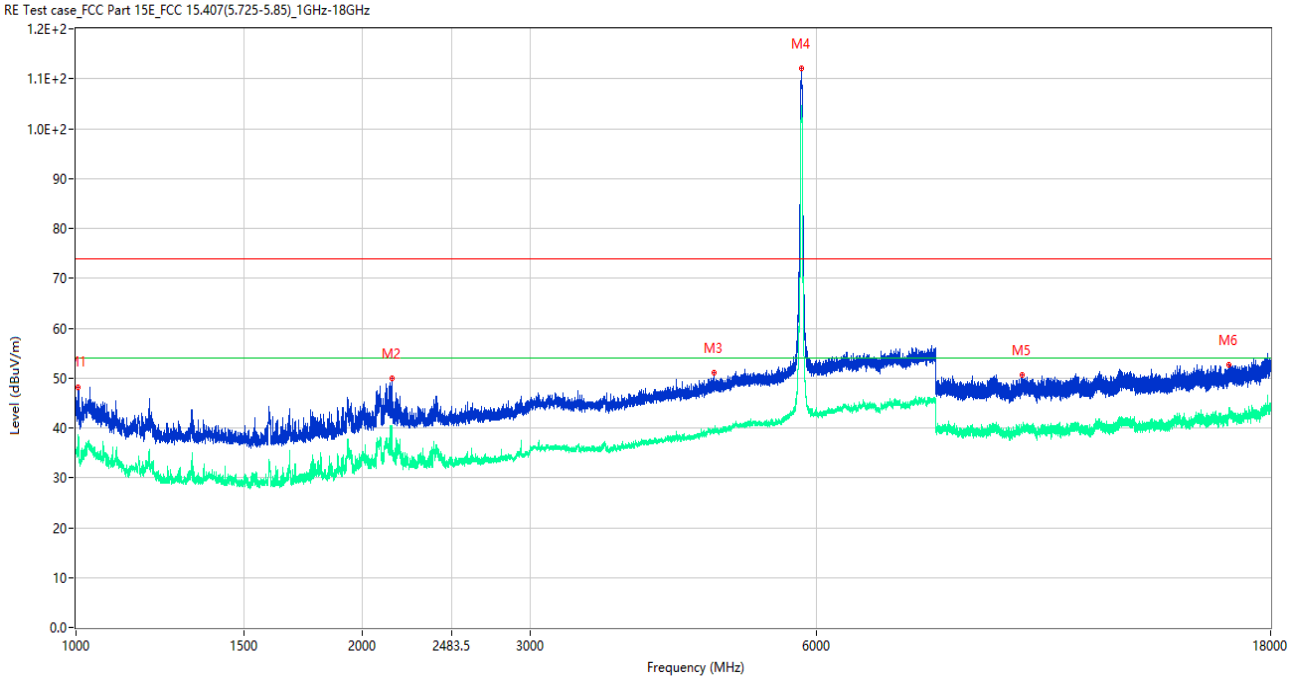
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1046.500	48.95	-14.54	74.0	25.05	Peak	69.00	150	Vertical	Pass
1**	1046.500	38.10	-14.54	54.0	15.90	AV	69.00	150	Vertical	Pass
2	2142.750	47.93	-12.60	74.0	26.07	Peak	175.00	150	Vertical	Pass
2**	2142.750	36.70	-12.60	54.0	17.30	AV	175.00	150	Vertical	Pass
3	3192.500	48.37	-6.57	74.0	25.63	Peak	180.00	150	Vertical	Pass
3**	3192.500	37.46	-6.57	54.0	16.54	AV	180.00	150	Vertical	Pass
4	5786.000	111.81	0.38	74.0	-37.81	Peak	0.00	150	Vertical	N/A
4**	5786.000	104.59	0.38	54.0	-50.59	AV	0.00	150	Vertical	N/A
5	9193.437	51.04	-2.21	74.0	22.96	Peak	68.00	150	Vertical	Pass
5**	9193.437	40.42	-2.21	54.0	13.58	AV	68.00	150	Vertical	Pass
6	15145.575	52.62	0.35	74.0	21.38	Peak	153.00	150	Vertical	Pass
6**	15145.575	41.66	0.35	54.0	12.34	AV	153.00	150	Vertical	Pass

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



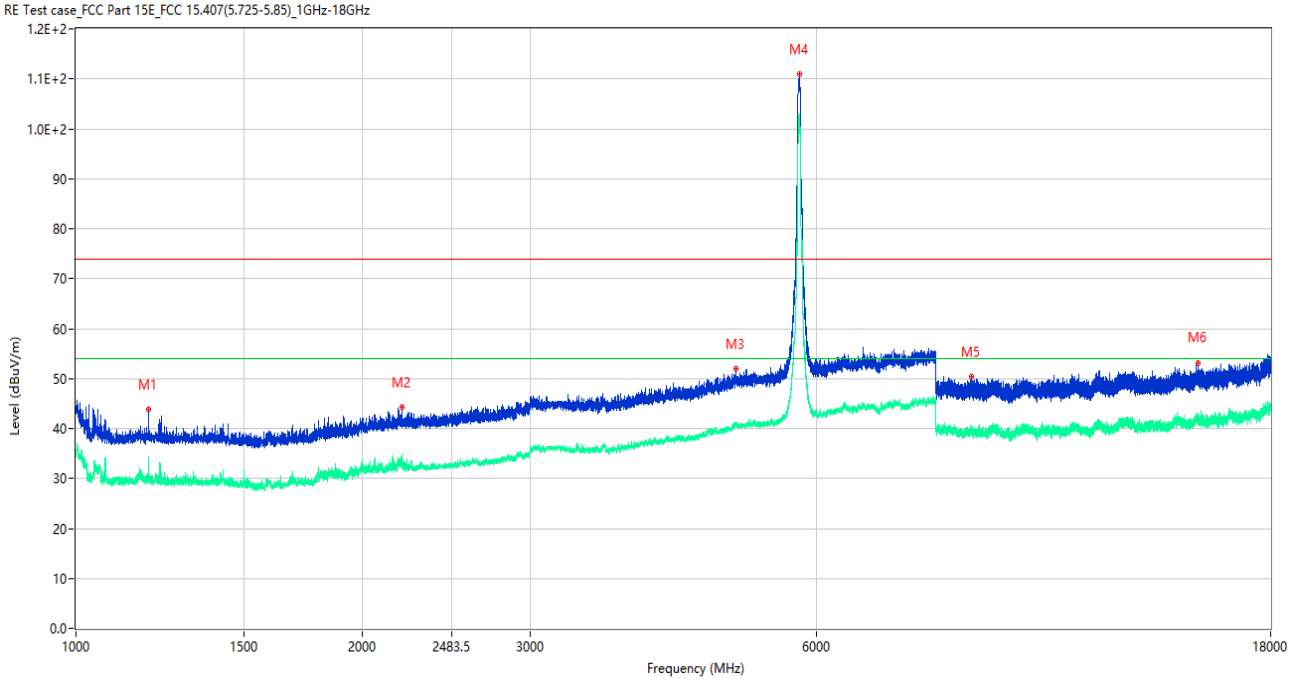
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1002.750	46.96	-13.47	74.0	27.04	Peak	117.00	150	Horizontal	Pass
1**	1002.750	33.54	-13.47	54.0	20.46	AV	117.00	150	Horizontal	Pass
2	1844.750	43.18	-14.61	74.0	30.82	Peak	51.00	150	Horizontal	Pass
2**	1844.750	31.98	-14.61	54.0	22.02	AV	51.00	150	Horizontal	Pass
3	3187.000	47.64	-6.49	74.0	26.36	Peak	131.00	150	Horizontal	Pass
3**	3187.000	36.32	-6.49	54.0	17.68	AV	131.00	150	Horizontal	Pass
4	5786.000	112.21	0.38	74.0	-38.21	Peak	0.00	150	Horizontal	N/A
4**	5786.000	104.87	0.38	54.0	-50.87	AV	0.00	150	Horizontal	N/A
5	9138.575	50.46	-2.43	74.0	23.54	Peak	190.00	150	Horizontal	Pass
5**	9138.575	39.42	-2.43	54.0	14.58	AV	190.00	150	Horizontal	Pass
6	16287.188	52.89	2.47	74.0	21.11	Peak	118.00	150	Horizontal	Pass
6**	16287.188	42.97	2.47	54.0	11.03	AV	118.00	150	Horizontal	Pass

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



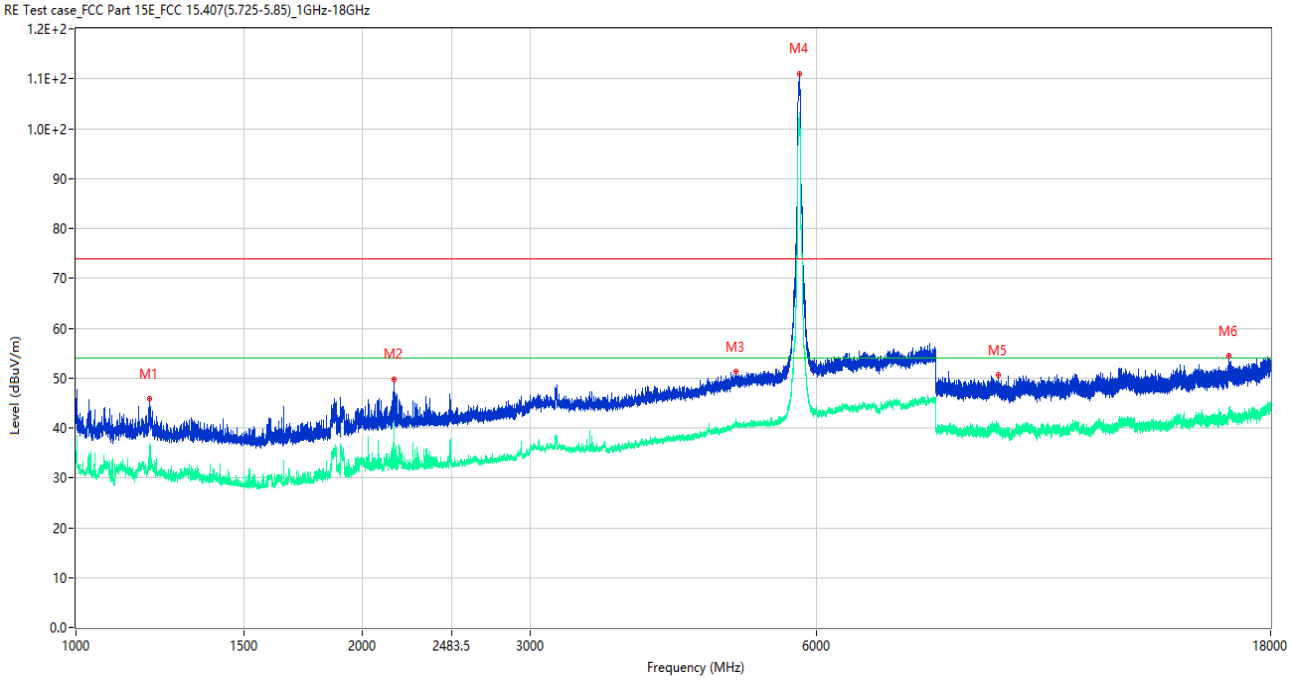
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1006.000	48.24	-13.33	74.0	25.76	Peak	81.00	150	Vertical	Pass
1**	1006.000	38.58	-13.33	54.0	15.42	AV	81.00	150	Vertical	Pass
2	2146.500	49.99	-12.59	74.0	24.01	Peak	199.00	150	Vertical	Pass
2**	2146.500	39.87	-12.59	54.0	14.13	AV	199.00	150	Vertical	Pass
3	4681.500	50.98	-2.28	74.0	23.02	Peak	70.00	150	Vertical	Pass
3**	4681.500	39.12	-2.28	54.0	14.88	AV	70.00	150	Vertical	Pass
4	5784.000	112.05	0.34	74.0	-38.05	Peak	5.00	150	Vertical	N/A
4**	5784.000	104.16	0.34	54.0	-50.16	AV	5.00	150	Vertical	N/A
5	9877.200	50.64	-1.32	74.0	23.36	Peak	1.00	150	Vertical	Pass
5**	9877.200	39.81	-1.32	54.0	14.19	AV	1.00	150	Vertical	Pass
6	16286.925	52.62	2.49	74.0	21.38	Peak	84.00	150	Vertical	Pass
6**	16286.925	43.05	2.49	54.0	10.95	AV	84.00	150	Vertical	Pass

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



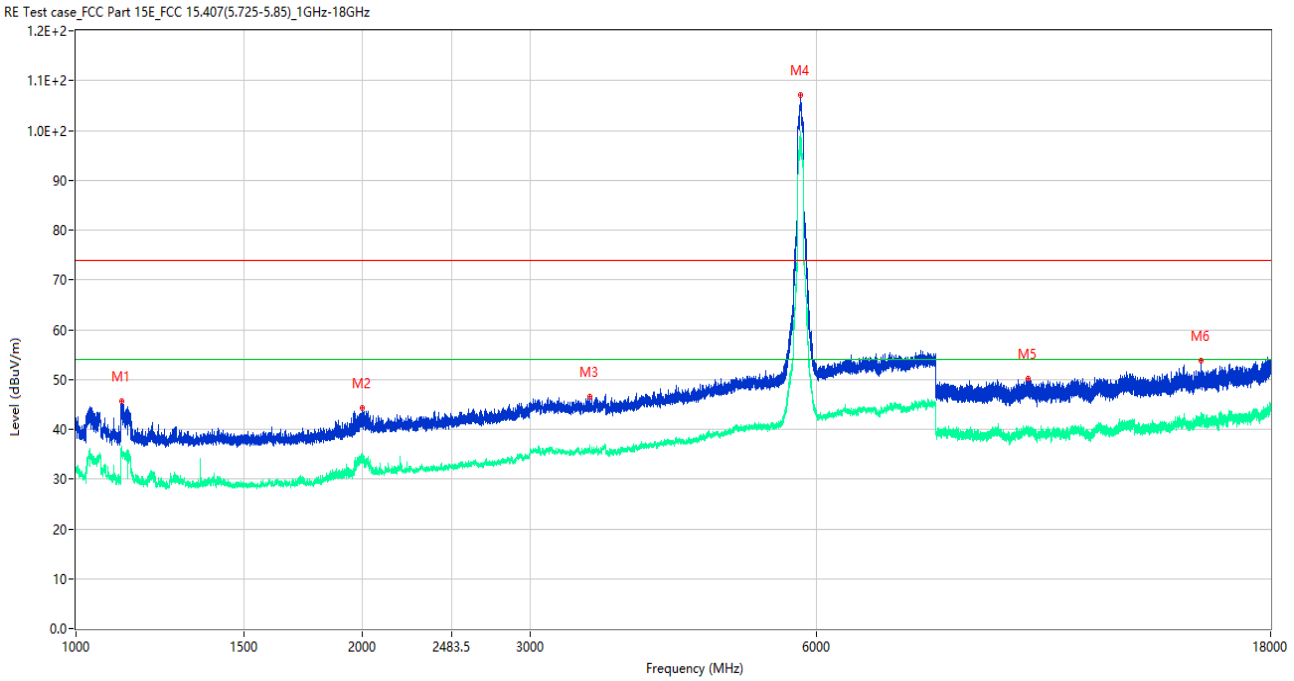
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1190.750	43.88	-14.87	74.0	30.12	Peak	155.00	150	Horizontal	Pass
1**	1190.750	29.64	-14.87	54.0	24.36	AV	155.00	150	Horizontal	Pass
2	2200.250	44.28	-12.05	74.0	29.72	Peak	132.00	150	Horizontal	Pass
2**	2200.250	32.85	-12.05	54.0	21.15	AV	132.00	150	Horizontal	Pass
3	4934.500	51.93	-0.77	74.0	22.07	Peak	270.00	150	Horizontal	Pass
3**	4934.500	40.79	-0.77	54.0	13.21	AV	270.00	150	Horizontal	Pass
4	5753.000	111.01	0.00	74.0	-37.01	Peak	359.00	150	Horizontal	N/A
4**	5753.000	103.00	0.00	54.0	-49.00	AV	359.00	150	Horizontal	N/A
5	8719.150	50.31	-2.26	74.0	23.69	Peak	0.00	150	Horizontal	Pass
5**	8719.150	39.26	-2.26	54.0	14.74	AV	0.00	150	Horizontal	Pass
6	15087.825	53.20	1.21	74.0	20.80	Peak	254.00	150	Horizontal	Pass
6**	15087.825	41.93	1.21	54.0	12.07	AV	254.00	150	Horizontal	Pass

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



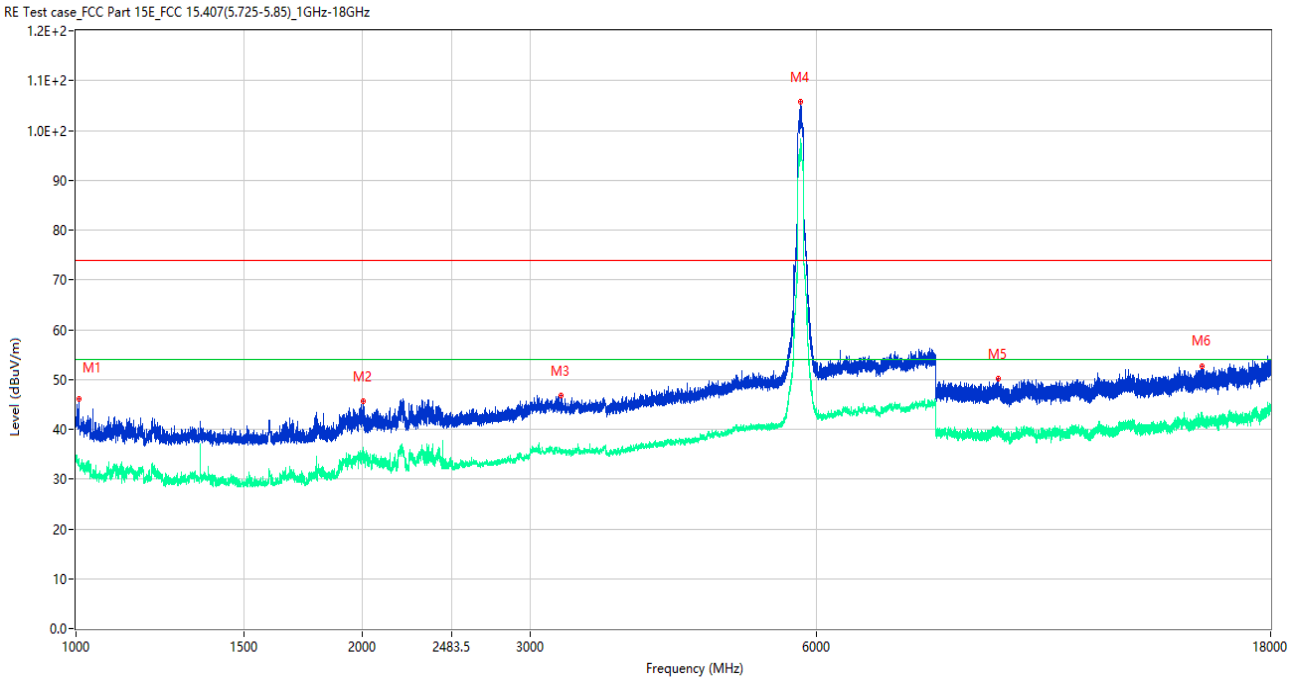
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1193.750	45.83	-14.83	74.0	28.17	Peak	83.00	150	Vertical	Pass
1**	1193.750	31.68	-14.83	54.0	22.32	AV	83.00	150	Vertical	Pass
2	2157.750	49.80	-12.24	74.0	24.20	Peak	175.00	150	Vertical	Pass
2**	2157.750	40.53	-12.24	54.0	13.47	AV	175.00	150	Vertical	Pass
3	4935.000	51.31	-0.75	74.0	22.69	Peak	99.00	150	Vertical	Pass
3**	4935.000	41.12	-0.75	54.0	12.88	AV	99.00	150	Vertical	Pass
4	5753.000	111.06	0.00	74.0	-37.06	Peak	48.00	150	Vertical	N/A
4**	5753.000	102.66	0.00	54.0	-48.66	AV	48.00	150	Vertical	N/A
5	9303.400	50.58	-1.97	74.0	23.42	Peak	360.00	150	Vertical	Pass
5**	9303.400	40.01	-1.97	54.0	13.99	AV	360.00	150	Vertical	Pass
6	16277.213	54.44	2.18	74.0	19.56	Peak	253.00	150	Vertical	Pass
6**	16277.213	42.69	2.18	54.0	11.31	AV	253.00	150	Vertical	Pass

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



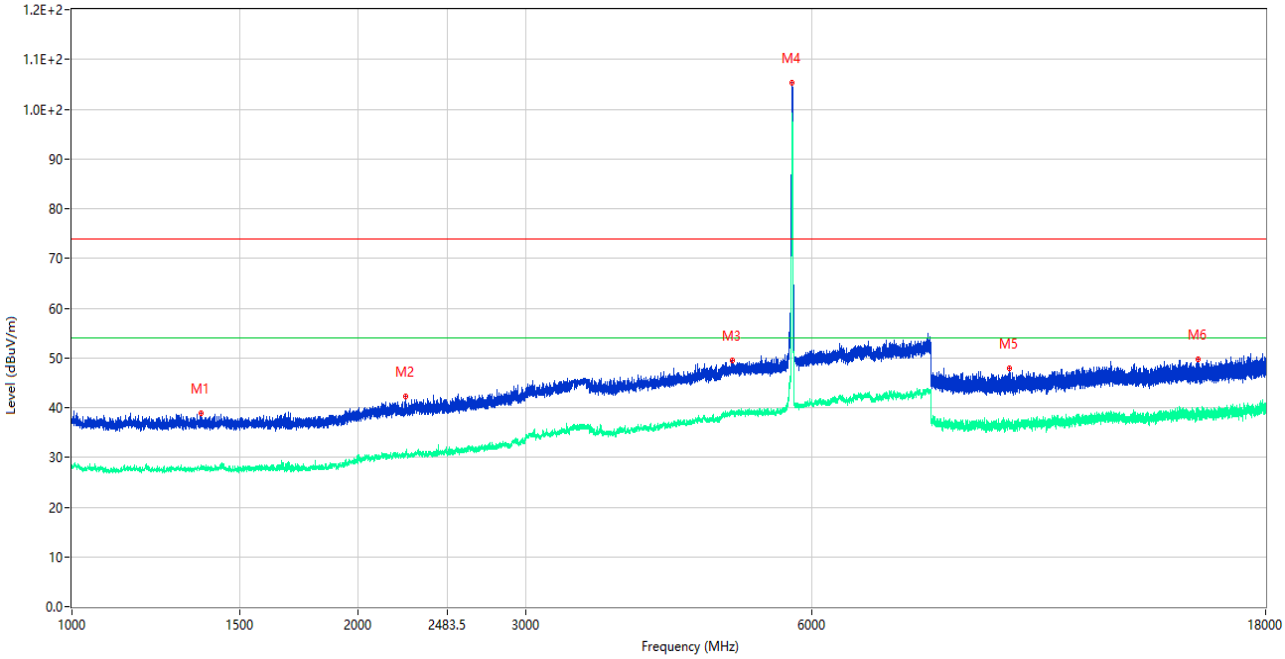
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1117.750	45.66	-14.92	74.0	28.34	Peak	97.00	150	Horizontal	Pass
1**	1117.750	35.23	-14.92	54.0	18.77	AV	97.00	150	Horizontal	Pass
2	1999.250	44.29	-13.13	74.0	29.71	Peak	206.00	150	Horizontal	Pass
2**	1999.250	34.79	-13.13	54.0	19.21	AV	206.00	150	Horizontal	Pass
3	3468.500	46.59	-5.79	74.0	27.41	Peak	360.00	150	Horizontal	Pass
3**	3468.500	35.76	-5.79	54.0	18.24	AV	360.00	150	Horizontal	Pass
4	5771.500	107.09	0.46	74.0	-33.09	Peak	270.00	150	Horizontal	N/A
4**	5771.500	99.05	0.46	54.0	-45.05	AV	270.00	150	Horizontal	N/A
5	10007.349	50.08	-1.00	74.0	23.92	Peak	197.00	150	Horizontal	Pass
5**	10007.349	38.87	-1.00	54.0	15.13	AV	197.00	150	Horizontal	Pass
6	15217.762	53.83	1.77	74.0	20.17	Peak	138.00	150	Horizontal	Pass
6**	15217.762	42.82	1.77	54.0	11.18	AV	138.00	150	Horizontal	Pass

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



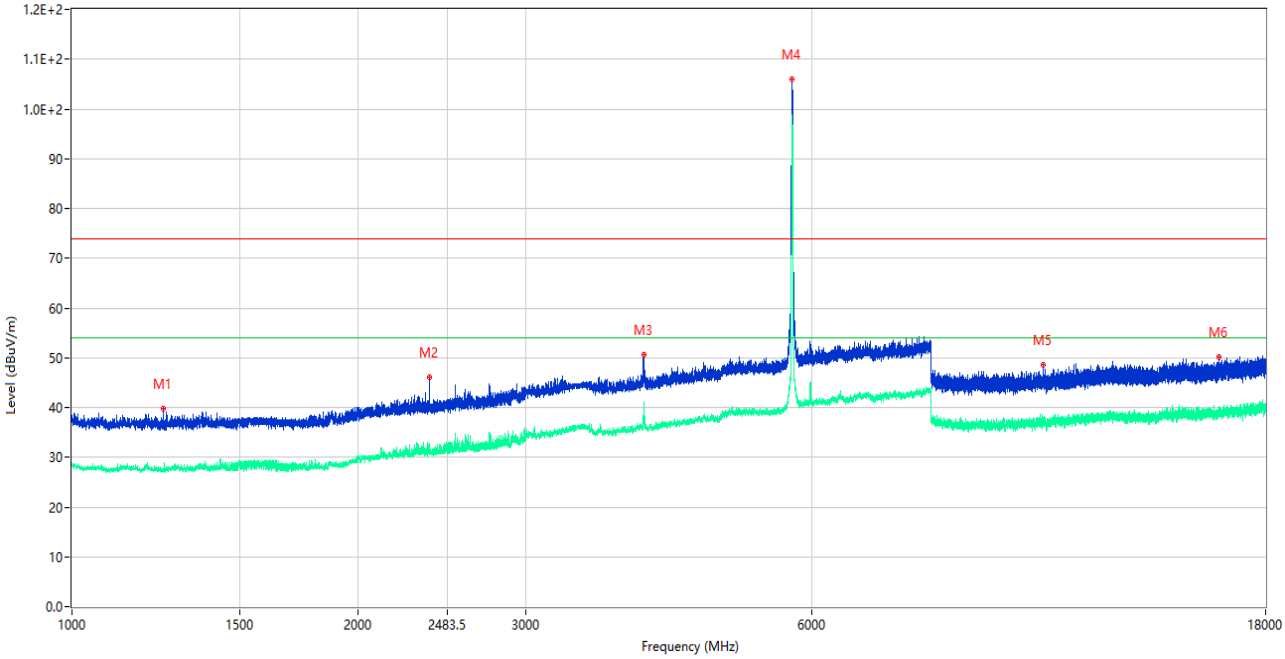
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1007.250	46.01	-13.32	74.0	27.99	Peak	154.00	150	Vertical	Pass
1**	1007.250	32.64	-13.32	54.0	21.36	AV	154.00	150	Vertical	Pass
2	2005.250	45.68	-13.00	74.0	28.32	Peak	0.00	150	Vertical	Pass
2**	2005.250	34.70	-13.00	54.0	19.30	AV	0.00	150	Vertical	Pass
3	3235.000	46.73	-5.97	74.0	27.27	Peak	360.00	150	Vertical	Pass
3**	3235.000	35.28	-5.97	54.0	18.72	AV	360.00	150	Vertical	Pass
4	5773.500	105.80	0.41	74.0	-31.80	Peak	280.00	150	Vertical	N/A
4**	5773.500	97.99	0.41	54.0	-43.99	AV	280.00	150	Vertical	N/A
5	9325.013	50.21	-1.94	74.0	23.79	Peak	196.00	150	Vertical	Pass
5**	9325.013	39.31	-1.94	54.0	14.69	AV	196.00	150	Vertical	Pass
6	15259.237	52.74	2.27	74.0	21.26	Peak	242.00	150	Vertical	Pass
6**	15259.237	42.33	2.27	54.0	11.67	AV	242.00	150	Vertical	Pass

11a, U-NII-2C&U-NII-3,1 GHz to 18 GHz, 144 Channel, ANT H



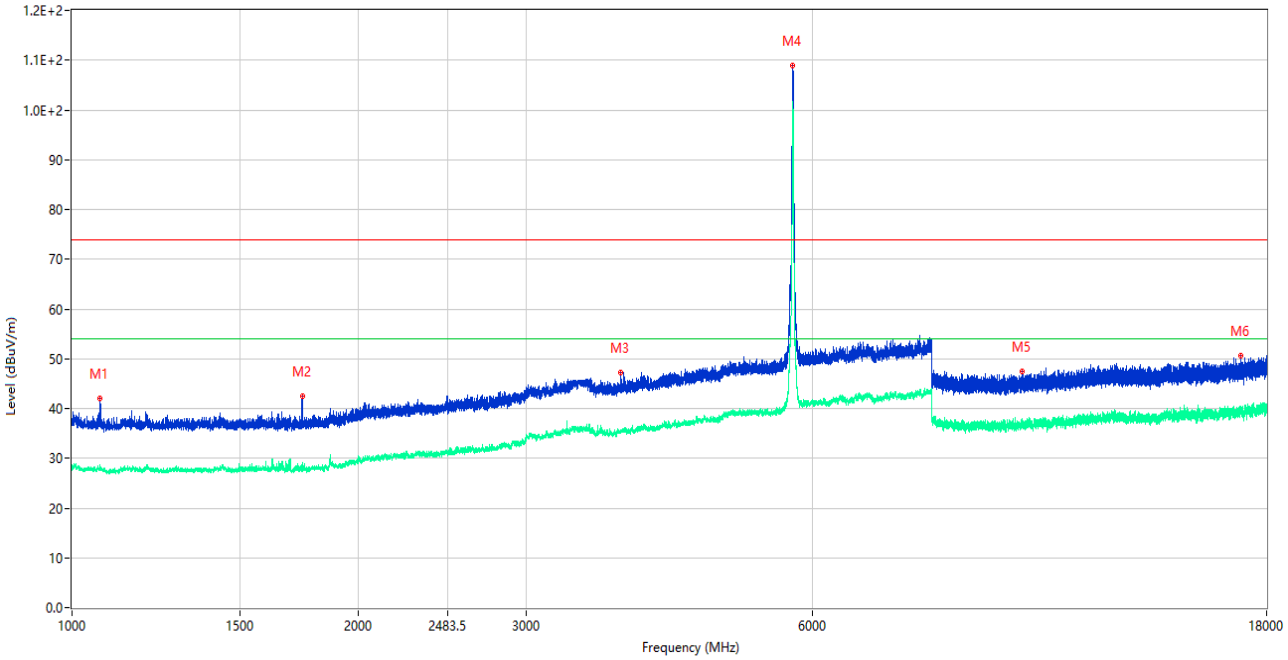
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1367.250	38.83	-15.87	74.0	35.17	Peak	360.00	150	Horizontal	Pass
1**	1367.250	28.29	-15.87	54.0	25.71	AV	360.00	150	Horizontal	Pass
2	2243.000	42.32	-12.90	74.0	31.68	Peak	155.00	150	Horizontal	Pass
2**	2243.000	30.63	-12.90	54.0	23.37	AV	155.00	150	Horizontal	Pass
3	4947.500	49.44	-1.67	74.0	24.56	Peak	48.00	150	Horizontal	Pass
3**	4947.500	38.86	-1.67	54.0	15.14	AV	48.00	150	Horizontal	Pass
4	5719.000	101.29	-2.32	74.0	-27.29	Peak	0.00	150	Horizontal	N/A
4**	5719.000	93.74	-2.32	54.0	-39.74	AV	0.00	150	Horizontal	N/A
5	9674.613	47.97	-3.58	74.0	26.03	Peak	360.00	150	Horizontal	Pass
5**	9674.613	36.07	-3.58	54.0	17.93	AV	360.00	150	Horizontal	Pass
6	15267.112	49.81	-1.03	74.0	24.19	Peak	181.00	150	Horizontal	Pass
6**	15267.112	39.69	-1.03	54.0	14.31	AV	181.00	150	Horizontal	Pass

11a, U-NII-2C&U-NII-3,1 GHz to 18 GHz, 144 Channel, ANT V



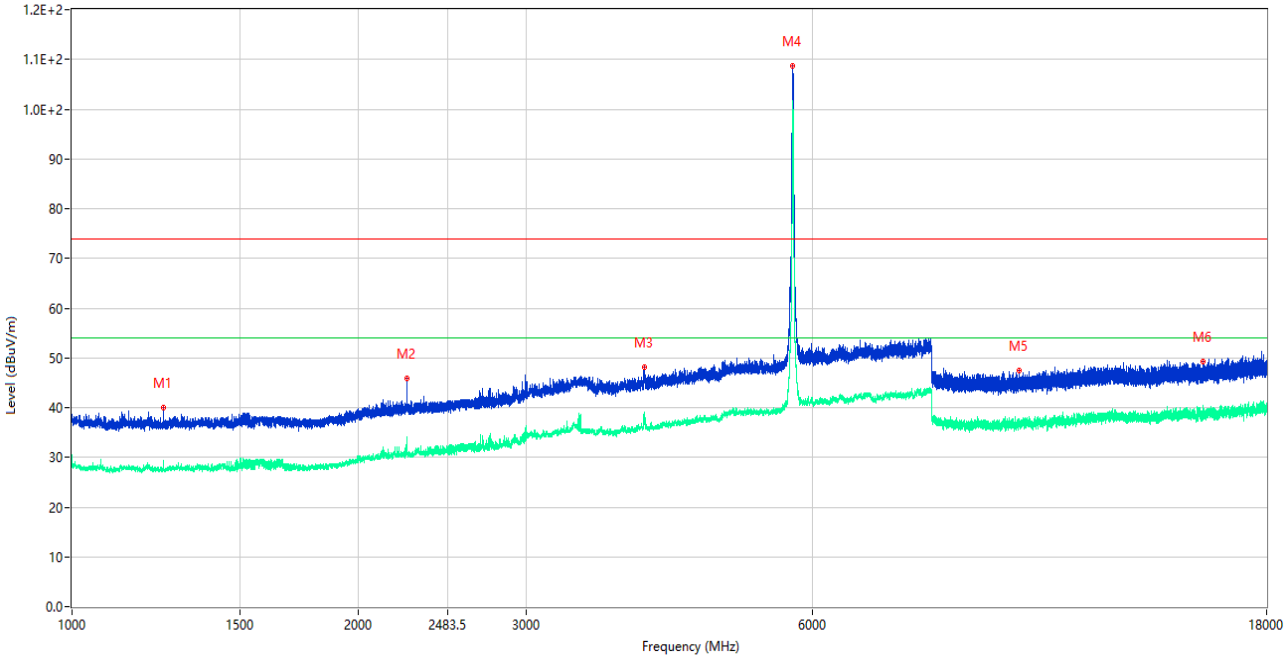
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1248.750	39.84	-16.16	74.0	34.16	Peak	123.00	150	Vertical	Pass
1**	1248.750	27.54	-16.16	54.0	26.46	AV	123.00	150	Vertical	Pass
2	2374.750	46.18	-11.99	74.0	27.82	Peak	118.00	150	Vertical	Pass
2**	2374.750	30.82	-11.99	54.0	23.18	AV	118.00	150	Vertical	Pass
3	3992.000	50.58	-4.81	74.0	23.42	Peak	289.00	150	Vertical	Pass
3**	3992.000	40.89	-4.81	54.0	13.11	AV	289.00	150	Vertical	Pass
4	5718.500	105.95	-2.33	74.0	-31.95	Peak	350.00	150	Vertical	N/A
4**	5718.500	97.89	-2.33	54.0	-43.89	AV	350.00	150	Vertical	N/A
5	10502.776	48.56	-3.29	74.0	25.44	Peak	98.00	150	Vertical	Pass
5**	10502.776	36.93	-3.29	54.0	17.07	AV	98.00	150	Vertical	Pass
6	16063.275	50.22	-1.19	74.0	23.78	Peak	0.00	150	Vertical	Pass
6**	16063.275	39.72	-1.19	54.0	14.28	AV	0.00	150	Vertical	Pass

11n20, U-NII-2C&U-NII-3,1 GHz to 18 GHz, 144 Channel, ANT H



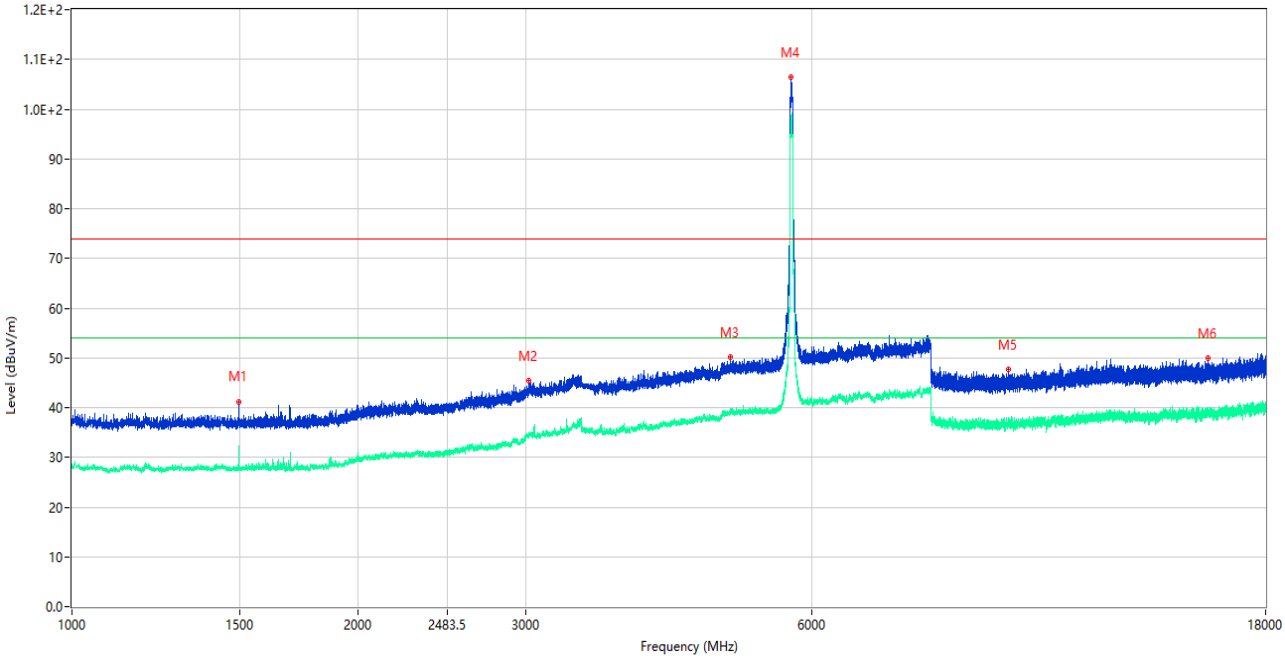
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1068.750	42.01	-15.18	74.0	31.99	Peak	2.00	150	Horizontal	Pass
1**	1068.750	28.14	-15.18	54.0	25.86	AV	2.00	150	Horizontal	Pass
2	1748.000	42.41	-16.02	74.0	31.59	Peak	197.00	150	Horizontal	Pass
2**	1748.000	27.50	-16.02	54.0	26.50	AV	197.00	150	Horizontal	Pass
3	3769.000	47.27	-4.81	74.0	26.73	Peak	148.00	150	Horizontal	Pass
3**	3769.000	35.29	-4.81	54.0	18.71	AV	148.00	150	Horizontal	Pass
4	5719.000	107.41	-2.32	74.0	-33.41	Peak	0.00	150	Horizontal	N/A
4**	5719.000	99.45	-2.32	54.0	-45.45	AV	0.00	150	Horizontal	N/A
5	9974.338	47.40	-3.69	74.0	26.60	Peak	0.00	150	Horizontal	Pass
5**	9974.338	37.92	-3.69	54.0	16.08	AV	0.00	150	Horizontal	Pass
6	16889.625	50.68	-0.56	74.0	23.32	Peak	217.00	150	Horizontal	Pass
6**	16889.625	39.78	-0.56	54.0	14.22	AV	217.00	150	Horizontal	Pass

11n20, U-NII-2C&U-NII-3,1 GHz to 18 GHz, 144 Channel, ANT V



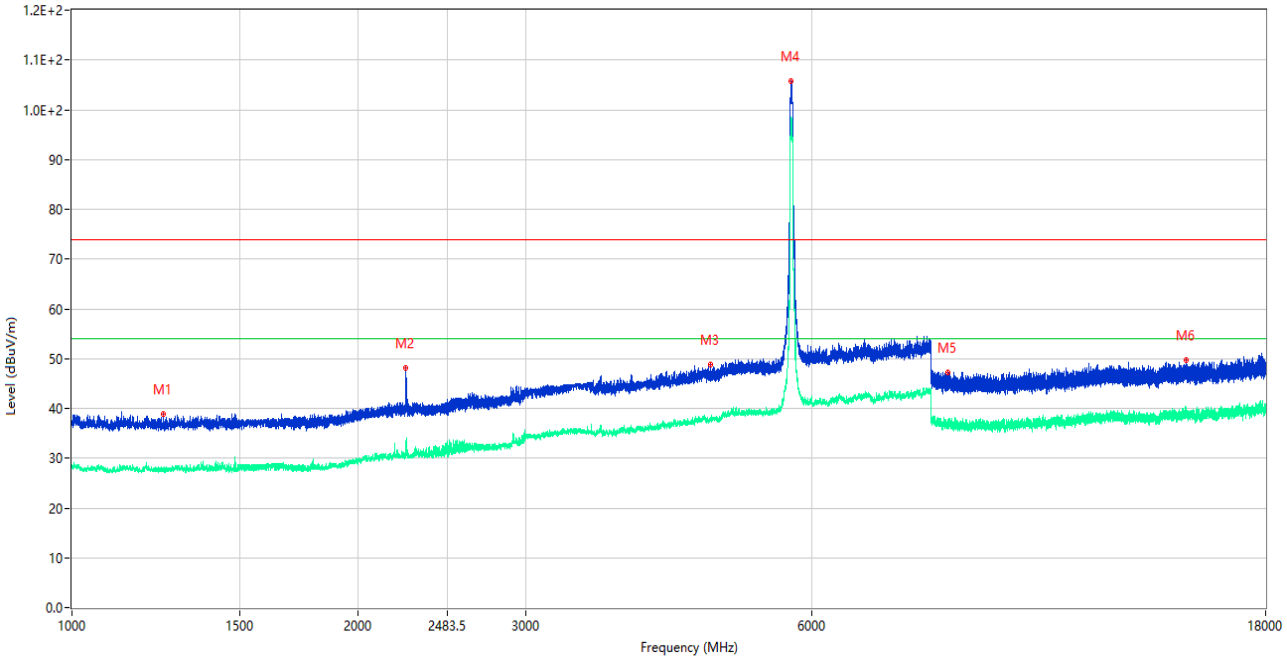
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1248.250	40.07	-16.16	74.0	33.93	Peak	108.00	150	Vertical	Pass
1**	1248.250	27.54	-16.16	54.0	26.46	AV	108.00	150	Vertical	Pass
2	2248.750	45.83	-12.89	74.0	28.17	Peak	146.00	150	Vertical	Pass
2**	2248.750	34.06	-12.89	54.0	19.94	AV	146.00	150	Vertical	Pass
3	3993.500	48.18	-4.83	74.0	25.82	Peak	284.00	150	Vertical	Pass
3**	3993.500	39.05	-4.83	54.0	14.95	AV	284.00	150	Vertical	Pass
4	5718.000	108.77	-2.35	74.0	-34.77	Peak	3.00	150	Vertical	N/A
4**	5718.000	100.34	-2.35	54.0	-46.34	AV	3.00	150	Vertical	N/A
5	9895.012	47.42	-4.35	74.0	26.58	Peak	52.00	150	Vertical	Pass
5**	9895.012	36.54	-4.35	54.0	17.46	AV	52.00	150	Vertical	Pass
6	15448.762	49.23	-1.87	74.0	24.77	Peak	15.00	150	Vertical	Pass
6**	15448.762	39.24	-1.87	54.0	14.76	AV	15.00	150	Vertical	Pass

11n40, U-NII-2C&U-NII-3,1 GHz to 18 GHz, 142 Channel, ANT H



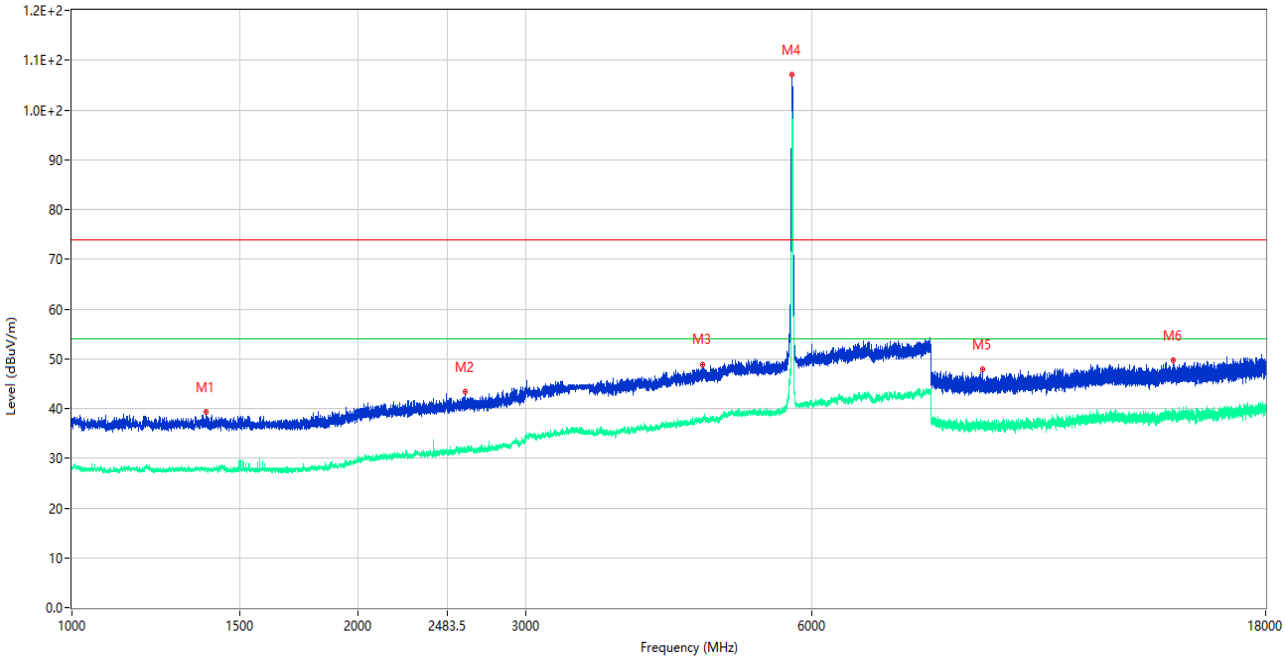
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1498.750	41.20	-16.14	74.0	32.80	Peak	118.00	150	Horizontal	Pass
1**	1498.750	27.44	-16.14	54.0	26.56	AV	118.00	150	Horizontal	Pass
2	3022.500	45.39	-7.60	74.0	28.61	Peak	264.00	150	Horizontal	Pass
2**	3022.500	34.34	-7.60	54.0	19.66	AV	264.00	150	Horizontal	Pass
3	4928.000	50.13	-2.26	74.0	23.87	Peak	52.00	150	Horizontal	Pass
3**	4928.000	39.08	-2.26	54.0	14.92	AV	52.00	150	Horizontal	Pass
4	5708.500	106.45	-2.35	74.0	-32.45	Peak	350.00	150	Horizontal	N/A
4**	5708.500	98.56	-2.35	54.0	-44.56	AV	350.00	150	Horizontal	N/A
5	9659.650	47.71	-3.19	74.0	26.29	Peak	170.00	150	Horizontal	Pass
5**	9659.650	36.94	-3.19	54.0	17.06	AV	170.00	150	Horizontal	Pass
6	15656.925	49.97	-1.46	74.0	24.03	Peak	0.00	150	Horizontal	Pass
6**	15656.925	39.14	-1.46	54.0	14.86	AV	0.00	150	Horizontal	Pass

11n40, U-NII-2C&U-NII-3,1 GHz to 18 GHz, 142 Channel, ANT V



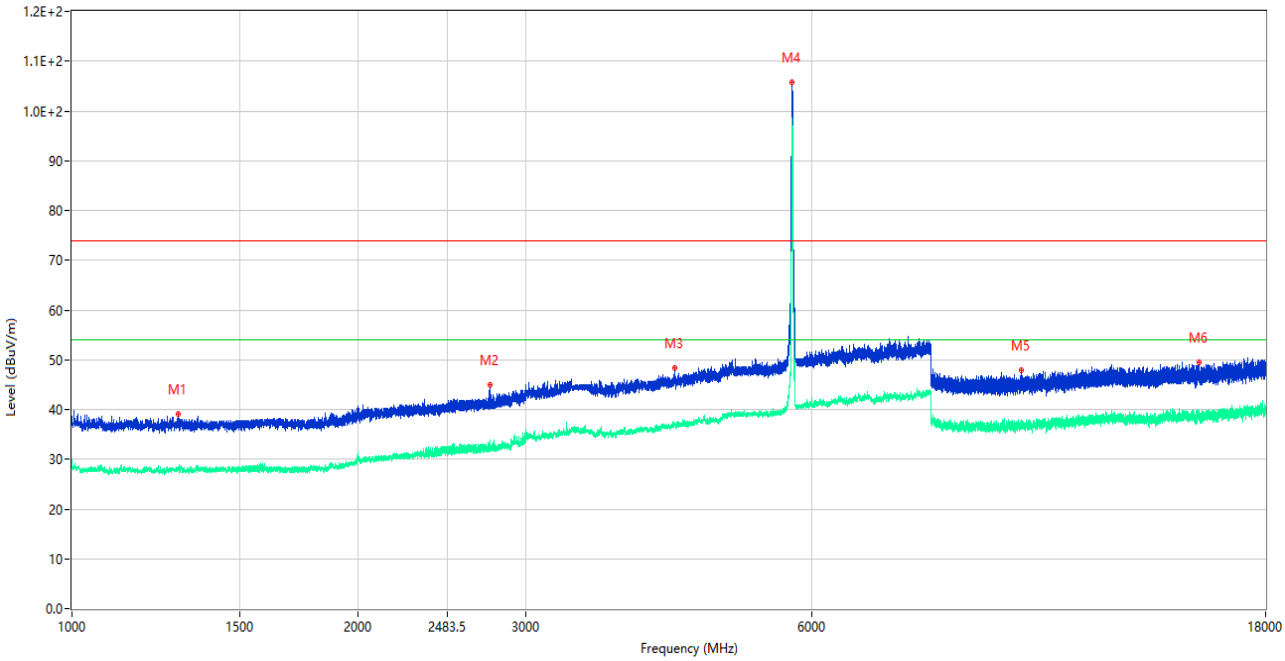
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1247.000	38.88	-16.14	74.0	35.12	Peak	109.00	150	Vertical	Pass
1**	1247.000	27.48	-16.14	54.0	26.52	AV	109.00	150	Vertical	Pass
2	2244.000	48.11	-12.91	74.0	25.89	Peak	114.00	150	Vertical	Pass
2**	2244.000	30.40	-12.91	54.0	23.60	AV	114.00	150	Vertical	Pass
3	4688.500	48.74	-3.76	74.0	25.26	Peak	182.00	150	Vertical	Pass
3**	4688.500	37.45	-3.76	54.0	16.55	AV	182.00	150	Vertical	Pass
4	5708.500	105.74	-2.35	74.0	-31.74	Peak	360.00	150	Vertical	N/A
4**	5708.500	98.17	-2.35	54.0	-44.17	AV	360.00	150	Vertical	N/A
5	8338.438	47.14	-4.82	74.0	26.86	Peak	124.00	150	Vertical	Pass
5**	8338.438	36.75	-4.82	54.0	17.25	AV	124.00	150	Vertical	Pass
6	14855.513	49.62	-0.94	74.0	24.38	Peak	313.00	150	Vertical	Pass
6**	14855.513	38.47	-0.94	54.0	15.53	AV	313.00	150	Vertical	Pass

11ac20, U-NII-2C&U-NII-3,1 GHz to 18 GHz, 144 Channel, ANT H



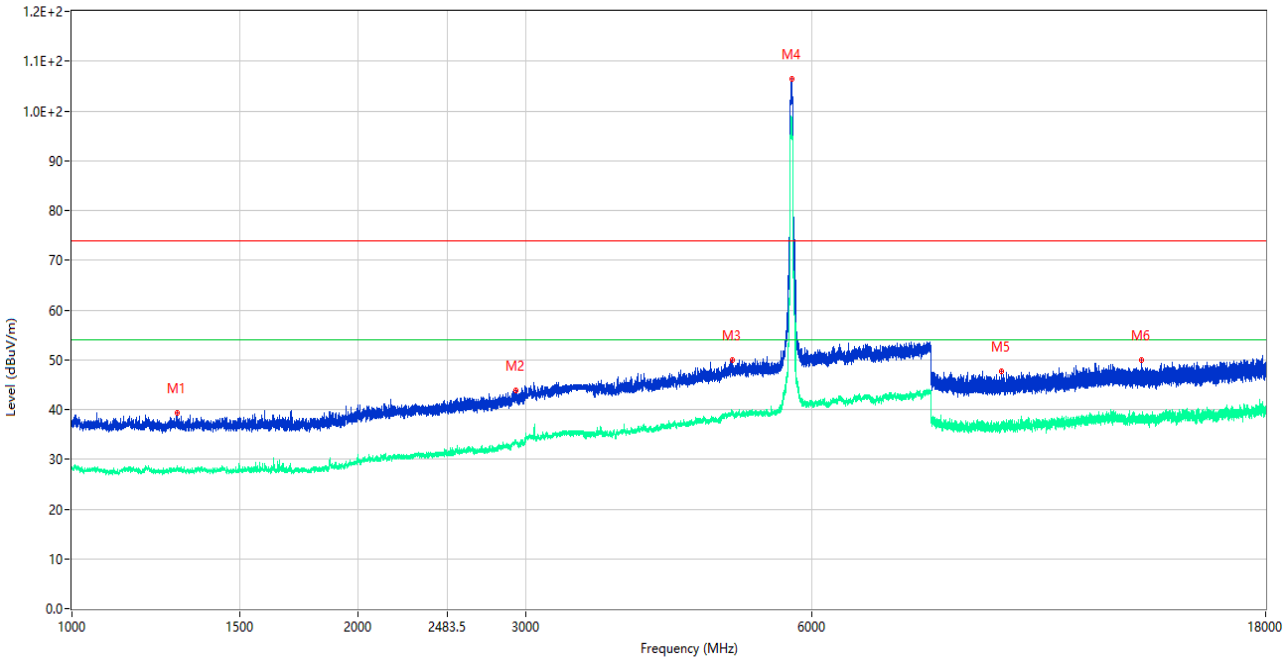
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1383.750	39.37	-15.97	74.0	34.63	Peak	297.00	150	Horizontal	Pass
1**	1383.750	27.77	-15.97	54.0	26.23	AV	297.00	150	Horizontal	Pass
2	2588.500	43.39	-10.65	74.0	30.61	Peak	221.00	150	Horizontal	Pass
2**	2588.500	31.55	-10.65	54.0	22.45	AV	221.00	150	Horizontal	Pass
3	4599.500	48.89	-3.60	74.0	25.11	Peak	198.00	150	Horizontal	Pass
3**	4599.500	37.48	-3.60	54.0	16.52	AV	198.00	150	Horizontal	Pass
4	5719.000	107.14	-2.32	74.0	-33.14	Peak	351.00	150	Horizontal	N/A
4**	5719.000	99.59	-2.32	54.0	-45.59	AV	351.00	150	Horizontal	N/A
5	9065.187	47.90	-4.60	74.0	26.10	Peak	285.00	150	Horizontal	Pass
5**	9065.187	36.50	-4.60	54.0	17.50	AV	285.00	150	Horizontal	Pass
6	14409.000	49.65	-2.40	74.0	24.35	Peak	15.00	150	Horizontal	Pass
6**	14409.000	38.52	-2.40	54.0	15.48	AV	15.00	150	Horizontal	Pass

11ac20, U-NII-2C&U-NII-3,1 GHz to 18 GHz, 144 Channel, ANT V



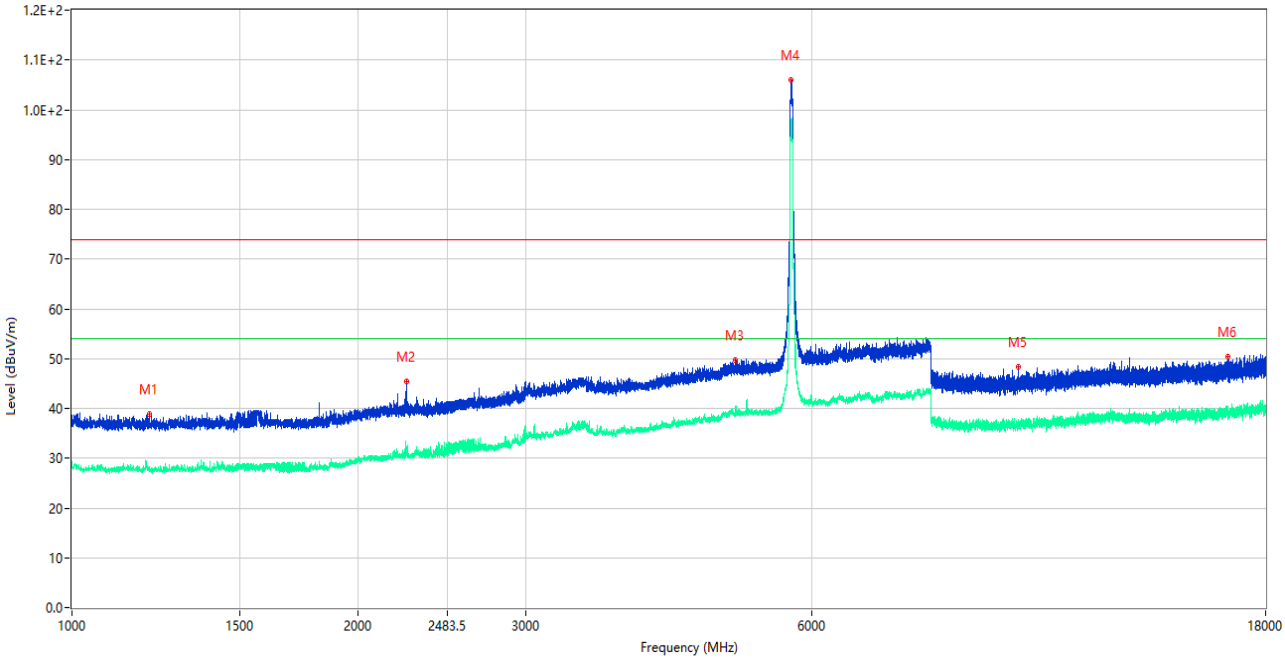
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1293.500	39.04	-15.76	74.0	34.96	Peak	296.00	150	Vertical	Pass
1**	1293.500	28.08	-15.76	54.0	25.92	AV	296.00	150	Vertical	Pass
2	2754.000	45.01	-10.62	74.0	28.99	Peak	121.00	150	Vertical	Pass
2**	2754.000	33.96	-10.62	54.0	20.04	AV	121.00	150	Vertical	Pass
3	4305.500	48.45	-3.51	74.0	25.55	Peak	339.00	150	Vertical	Pass
3**	4305.500	36.86	-3.51	54.0	17.14	AV	339.00	150	Vertical	Pass
4	5718.500	105.77	-2.33	74.0	-31.77	Peak	12.00	150	Vertical	N/A
4**	5718.500	97.95	-2.33	54.0	-43.95	AV	12.00	150	Vertical	N/A
5	9968.638	48.02	-3.78	74.0	25.98	Peak	144.00	150	Vertical	Pass
5**	9968.638	36.90	-3.78	54.0	17.10	AV	144.00	150	Vertical	Pass
6	15316.987	49.47	-2.38	74.0	24.53	Peak	13.00	150	Vertical	Pass
6**	15316.987	38.91	-2.38	54.0	15.09	AV	13.00	150	Vertical	Pass

11ac40, U-NII-2C&U-NII-3,1 GHz to 18 GHz, 142 Channel, ANT H



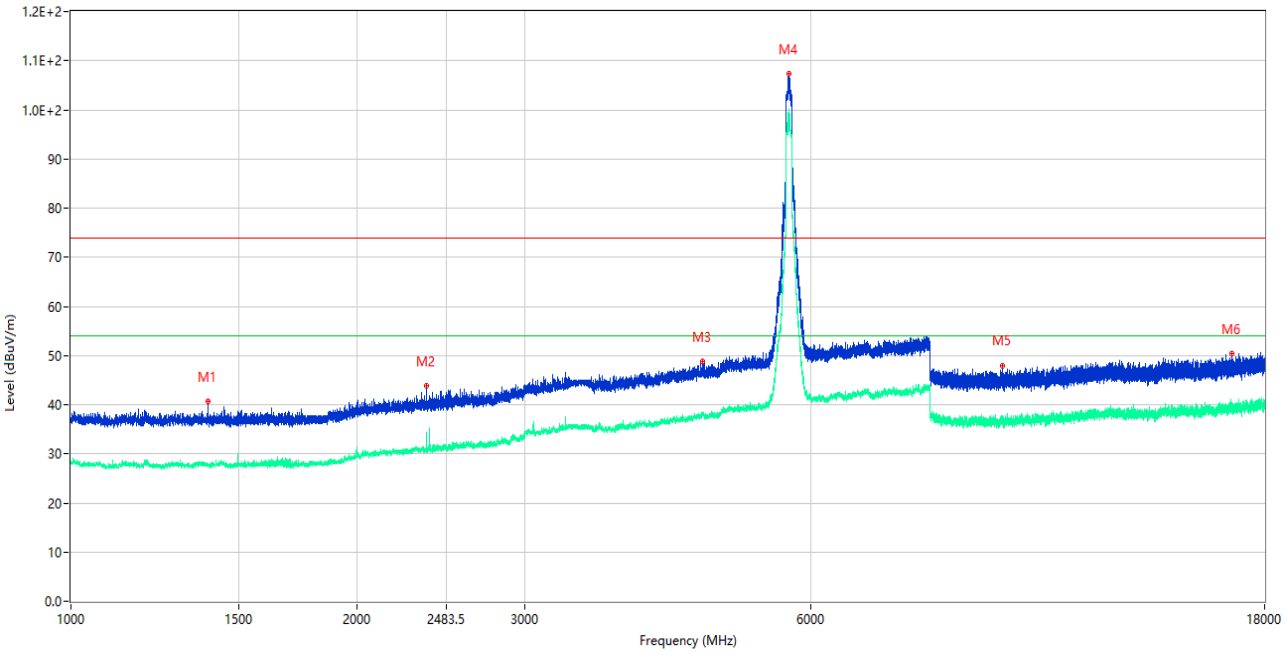
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1290.250	39.28	-15.82	74.0	34.72	Peak	115.00	150	Horizontal	Pass
1**	1290.250	28.61	-15.82	54.0	25.39	AV	115.00	150	Horizontal	Pass
2	2927.000	43.95	-8.10	74.0	30.05	Peak	178.00	150	Horizontal	Pass
2**	2927.000	33.47	-8.10	54.0	20.53	AV	178.00	150	Horizontal	Pass
3	4944.000	49.89	-1.73	74.0	24.11	Peak	0.00	150	Horizontal	Pass
3**	4944.000	39.08	-1.73	54.0	14.92	AV	0.00	150	Horizontal	Pass
4	5711.500	103.71	-2.31	74.0	-29.71	Peak	0.00	150	Horizontal	N/A
4**	5711.500	95.97	-2.31	54.0	-41.97	AV	0.00	150	Horizontal	N/A
5	9493.401	47.64	-3.49	74.0	26.36	Peak	192.00	150	Horizontal	Pass
5**	9493.401	37.60	-3.49	54.0	16.40	AV	192.00	150	Horizontal	Pass
6	13322.776	49.87	-2.88	74.0	24.13	Peak	285.00	150	Horizontal	Pass
6**	13322.776	38.00	-2.88	54.0	16.00	AV	285.00	150	Horizontal	Pass

11ac40, U-NII-2C&U-NII-3,1 GHz to 18 GHz, 142 Channel, ANT V



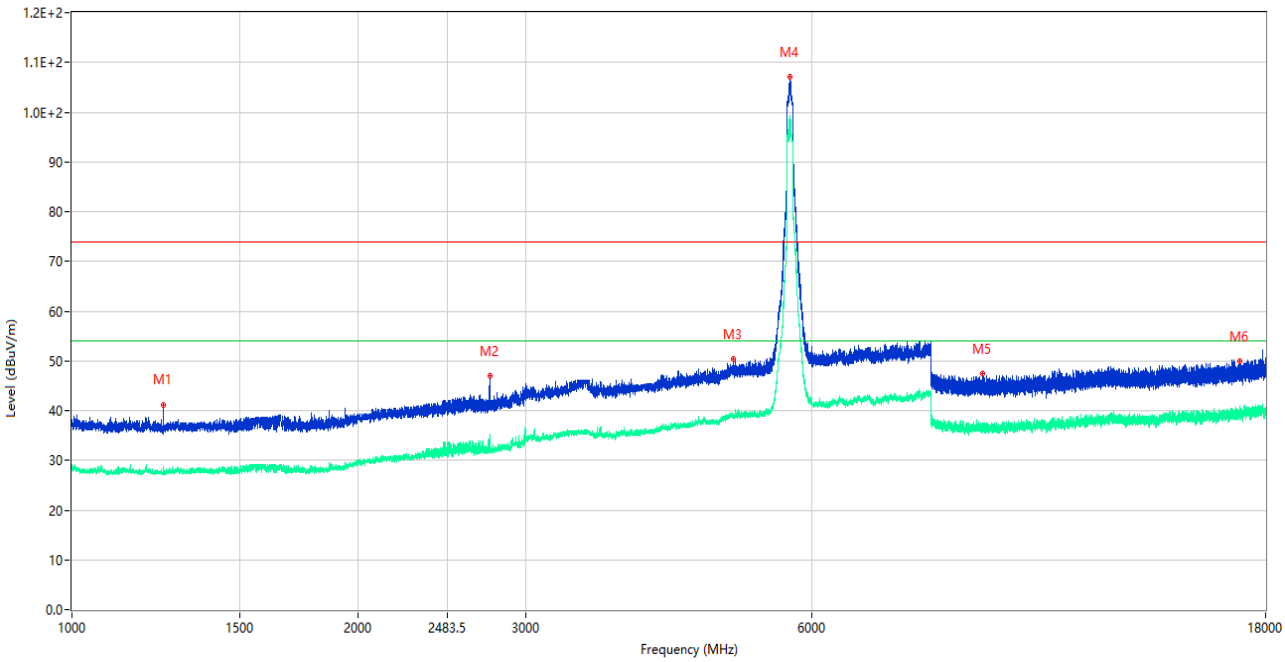
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1205.000	38.76	-15.78	74.0	35.24	Peak	254.00	150	Vertical	Pass
1**	1205.000	27.94	-15.78	54.0	26.06	AV	254.00	150	Vertical	Pass
2	2247.750	45.49	-12.84	74.0	28.51	Peak	135.00	150	Vertical	Pass
2**	2247.750	31.07	-12.84	54.0	22.93	AV	135.00	150	Vertical	Pass
3	4985.500	49.79	-2.51	74.0	24.21	Peak	307.00	150	Vertical	Pass
3**	4985.500	39.36	-2.51	54.0	14.64	AV	307.00	150	Vertical	Pass
4	5706.500	105.91	-2.40	74.0	-31.91	Peak	41.00	150	Vertical	N/A
4**	5706.500	97.48	-2.40	54.0	-43.48	AV	41.00	150	Vertical	N/A
5	9888.838	48.32	-4.15	74.0	25.68	Peak	285.00	150	Vertical	Pass
5**	9888.838	36.95	-4.15	54.0	17.05	AV	285.00	150	Vertical	Pass
6	16410.300	50.32	-1.76	74.0	23.68	Peak	321.00	150	Vertical	Pass
6**	16410.300	39.97	-1.76	54.0	14.03	AV	321.00	150	Vertical	Pass

11ac80, U-NII-2C&U-NII-3,1 GHz to 18 GHz, 138 Channel, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1392.000	40.67	-16.00	74.0	33.33	Peak	249.00	150	Horizontal	Pass
1**	1392.000	27.69	-16.00	54.0	26.31	AV	249.00	150	Horizontal	Pass
2	2366.500	43.75	-12.65	74.0	30.25	Peak	331.00	150	Horizontal	Pass
2**	2366.500	30.71	-12.65	54.0	23.29	AV	331.00	150	Horizontal	Pass
3	4614.000	48.78	-3.25	74.0	25.22	Peak	0.00	150	Horizontal	Pass
3**	4614.000	38.03	-3.25	54.0	15.97	AV	0.00	150	Horizontal	Pass
4	5688.500	107.27	-2.17	74.0	-33.27	Peak	348.00	150	Horizontal	N/A
4**	5688.500	99.54	-2.17	54.0	-45.54	AV	348.00	150	Horizontal	N/A
5	9547.312	47.84	-2.53	74.0	26.16	Peak	285.00	150	Horizontal	Pass
5**	9547.312	37.08	-2.53	54.0	16.92	AV	285.00	150	Horizontal	Pass
6	16643.137	50.47	-1.05	74.0	23.53	Peak	359.00	150	Horizontal	Pass
6**	16643.137	39.51	-1.05	54.0	14.49	AV	359.00	150	Horizontal	Pass

11ac80, U-NII-2C&U-NII-3,1 GHz to 18 GHz, 138 Channel, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1248.250	41.24	-16.16	74.0	32.76	Peak	248.00	150	Vertical	Pass
1**	1248.250	27.18	-16.16	54.0	26.82	AV	248.00	150	Vertical	Pass
2	2749.250	46.93	-10.53	74.0	27.07	Peak	127.00	150	Vertical	Pass
2**	2749.250	35.30	-10.53	54.0	18.70	AV	127.00	150	Vertical	Pass
3	4956.500	50.42	-1.81	74.0	23.58	Peak	246.00	150	Vertical	Pass
3**	4956.500	39.11	-1.81	54.0	14.89	AV	246.00	150	Vertical	Pass
4	5688.500	107.14	-2.17	74.0	-33.14	Peak	10.00	150	Vertical	N/A
4**	5688.500	99.50	-2.17	54.0	-45.50	AV	10.00	150	Vertical	N/A
5	9063.287	47.35	-4.56	74.0	26.65	Peak	237.00	150	Vertical	Pass
5**	9063.287	36.65	-4.56	54.0	17.35	AV	237.00	150	Vertical	Pass
6	16894.875	49.90	-0.50	74.0	24.10	Peak	0.00	150	Vertical	Pass
6**	16894.875	39.94	-0.50	54.0	14.06	AV	0.00	150	Vertical	Pass

A.6.2 Band Edge (Restricted-band)

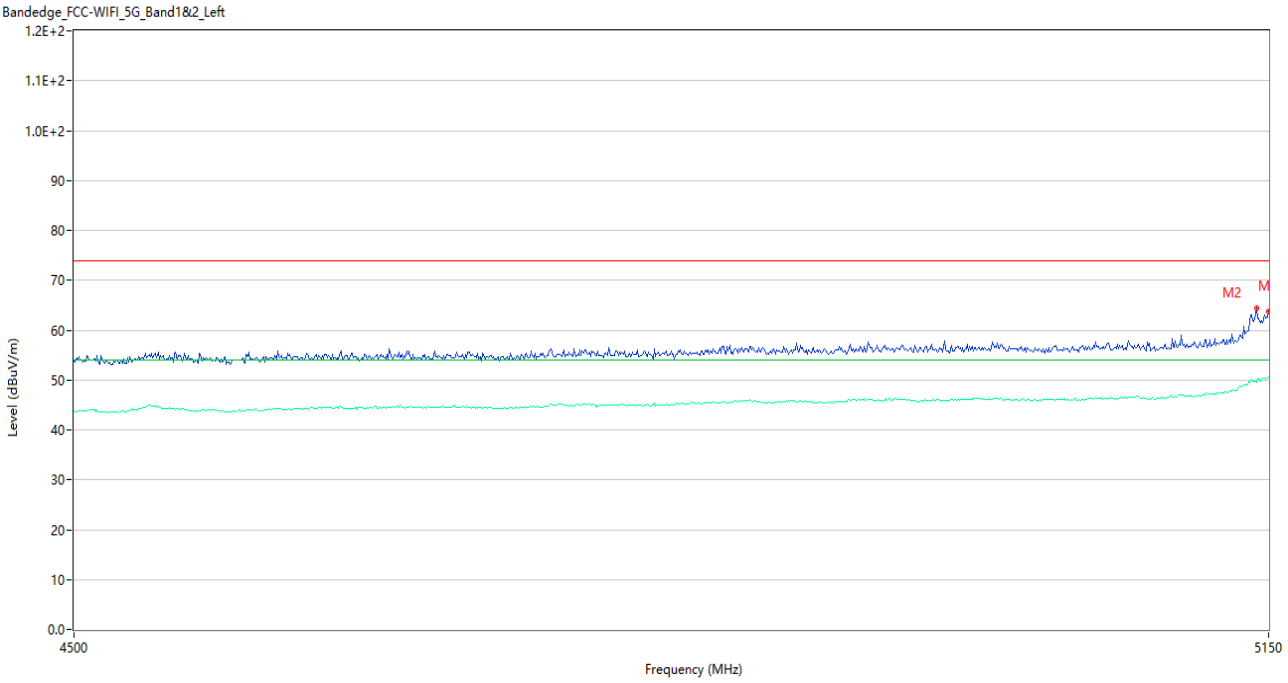
Test Band	Mode	Channel	Verdict
U-NII-1	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass
	802.11ac(VHT80)	Middle	Pass
U-NII-2A	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	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
		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 Band	Mode	Channel	Verdict
U-NII-2C&U-NII-3	802.11a	144	Pass
	802.11n(HT20)	144	Pass
	802.11n(HT40)	142	Pass
	802.11ac(VHT20)	144	Pass
	802.11ac(VHT40)	142	Pass
	802.11ac(VHT80)	138	Pass

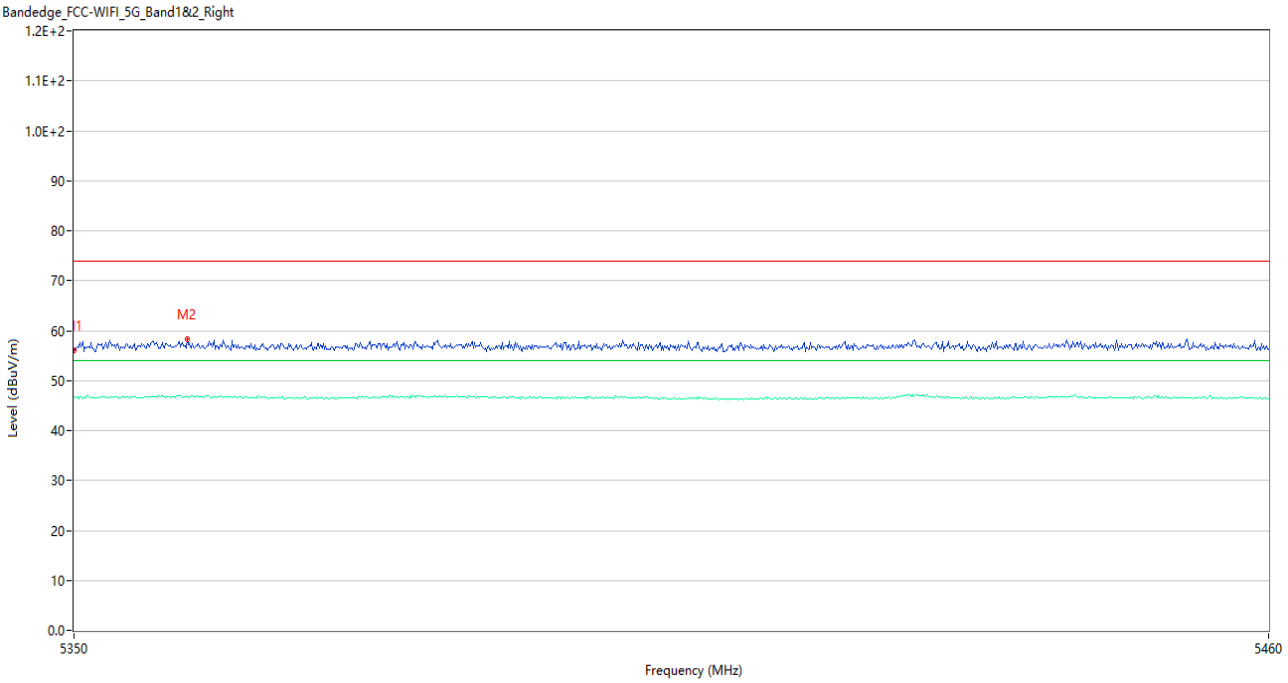
Test Data and Plots

U-NII-1 11a CH36



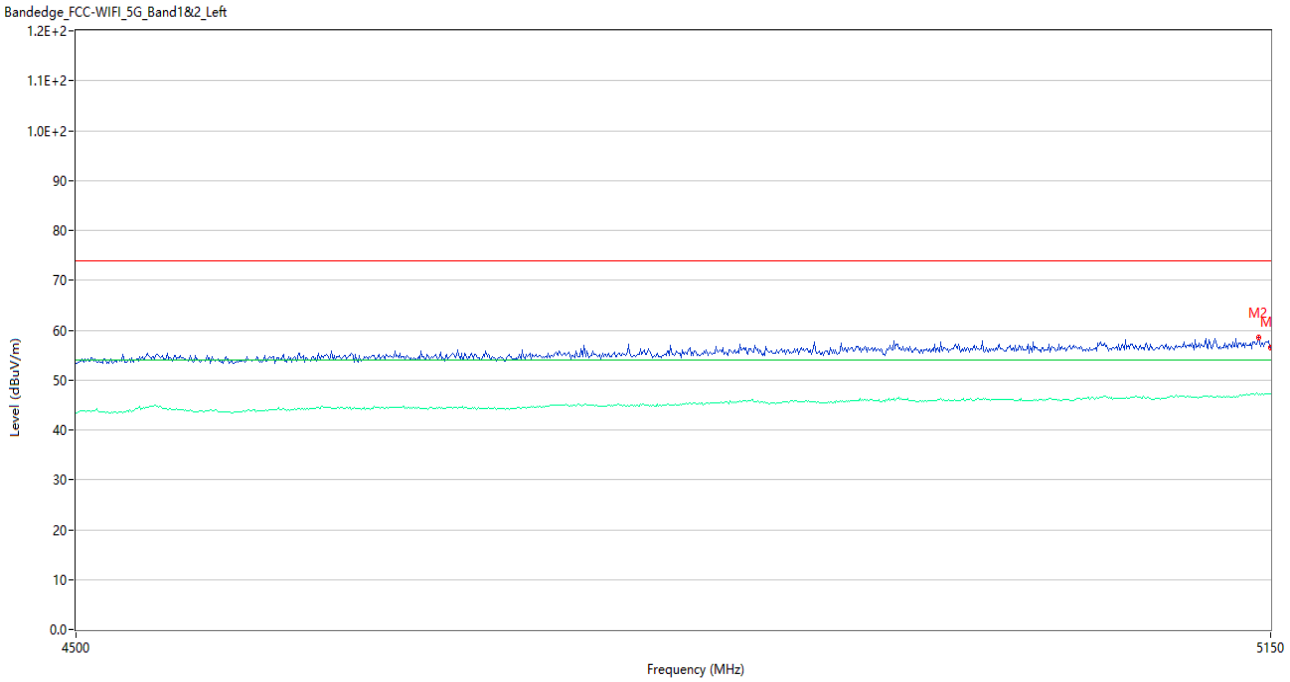
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	63.84	5.21	74.0	10.16	Peak	360.00	150	Horizontal	Pass
1**	5150.000	50.56	5.21	54.0	3.44	AV	360.00	150	Horizontal	Pass
2	5142.850	64.42	5.47	74.0	9.58	Peak	345.00	150	Horizontal	Pass
2**	5142.850	49.57	5.47	54.0	4.43	AV	345.00	150	Horizontal	Pass

U-NII-1 11a CH48



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.94	5.40	74.0	18.06	Peak	360.00	150	Horizontal	Pass
1**	5350.000	46.77	5.40	54.0	7.23	AV	360.00	150	Horizontal	Pass
2	5360.340	58.22	5.70	74.0	15.78	Peak	68.00	150	Horizontal	Pass
2**	5360.340	46.75	5.70	54.0	7.25	AV	68.00	150	Horizontal	Pass

U-NII-1 11ac20 CH36

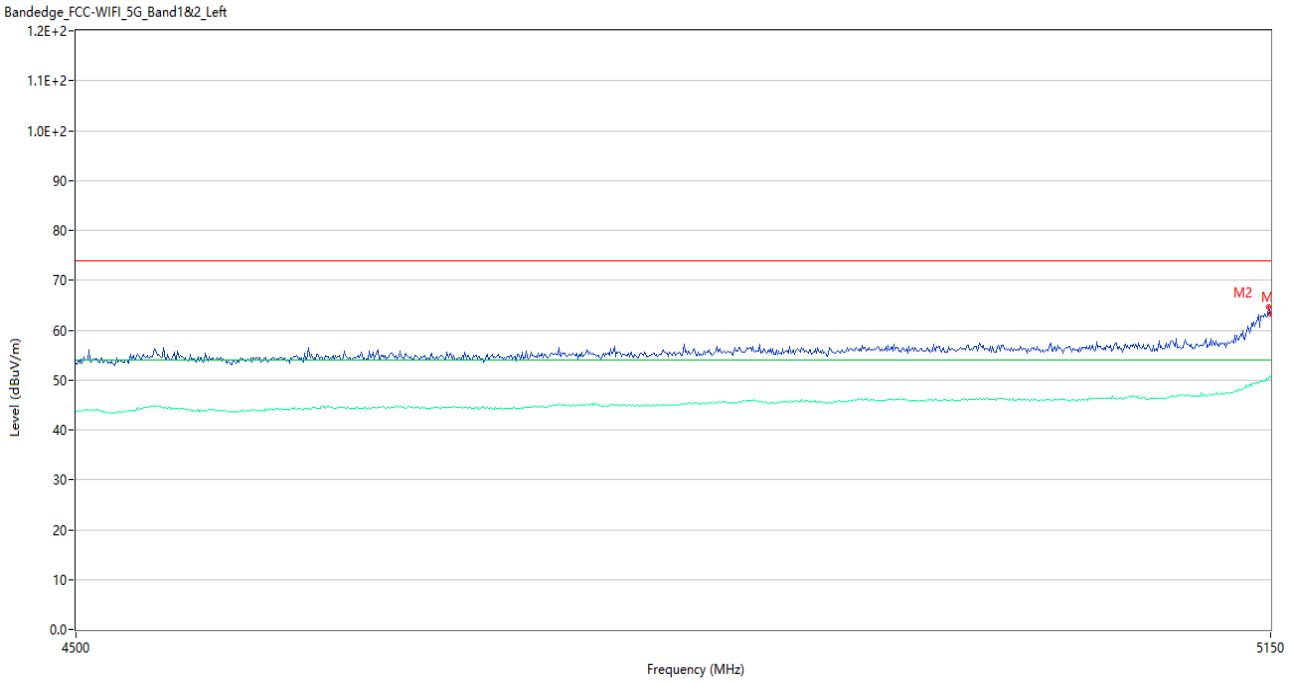


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	56.59	5.21	74.0	17.41	Peak	0.07	150	Horizontal	Pass
1**	5150.000	47.20	5.21	54.0	6.80	AV	0.07	150	Horizontal	Pass
2	5142.850	58.44	5.47	74.0	15.56	Peak	5.00	150	Horizontal	Pass
2**	5142.850	46.94	5.47	54.0	7.06	AV	5.00	150	Horizontal	Pass

U-NII-1 11ac20 CH48

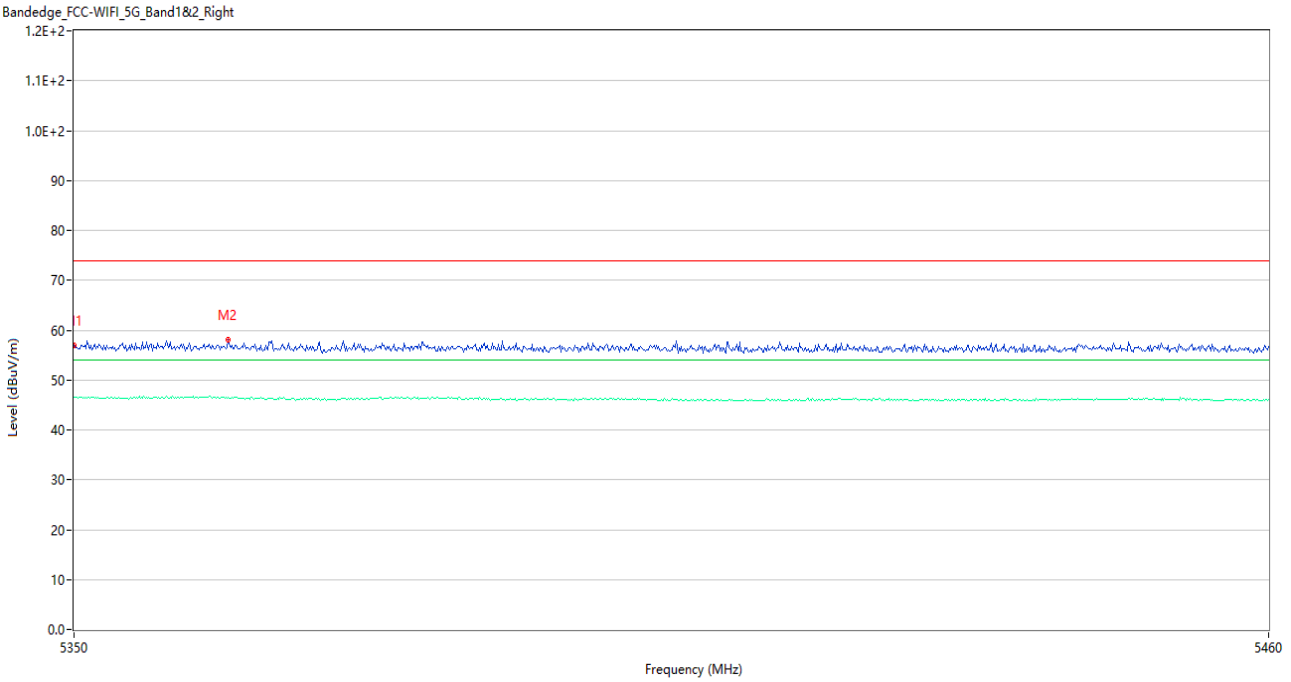
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.97	5.40	74.0	17.03	Peak	38.00	150	Horizontal	Pass
1**	5350.000	46.64	5.40	54.0	7.36	AV	38.00	150	Horizontal	Pass
2	5360.340	58.59	5.70	74.0	15.41	Peak	354.00	150	Horizontal	Pass
2**	5360.340	46.88	5.70	54.0	7.12	AV	354.00	150	Horizontal	Pass

U-NII-1 11ac40 CH38



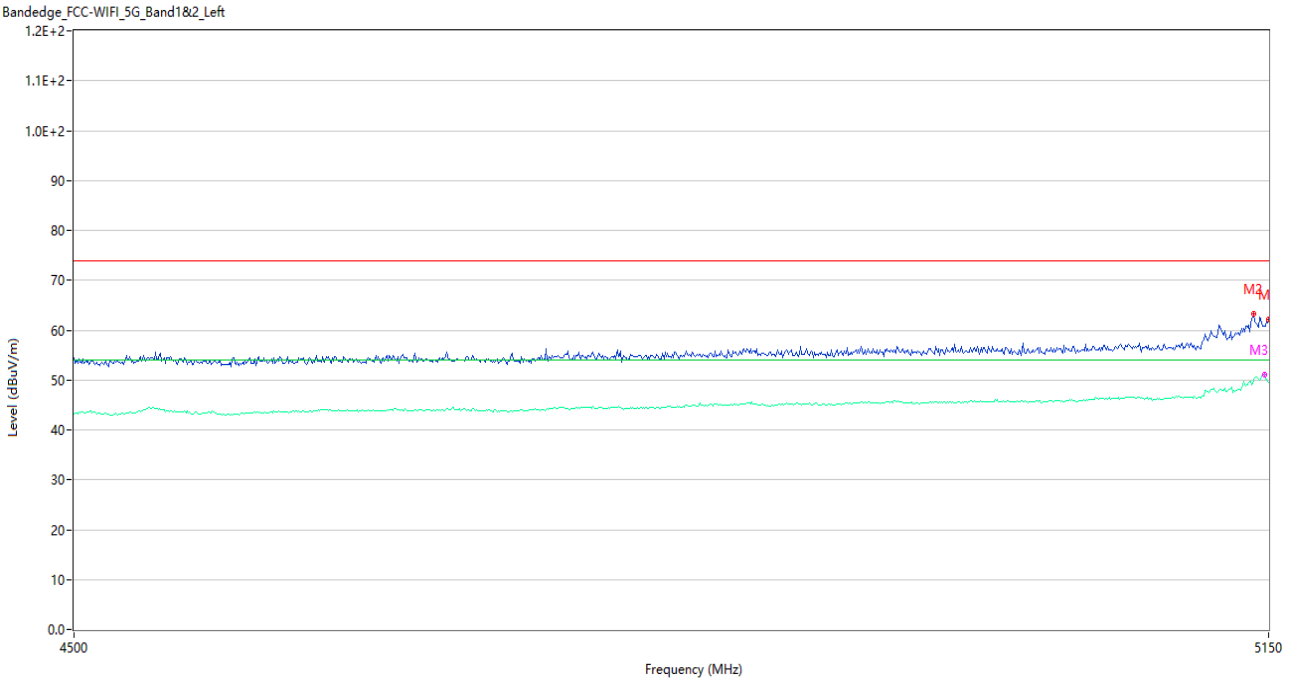
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	63.27	5.21	74.0	10.73	Peak	307.00	150	Horizontal	Pass
1**	5150.000	50.54	5.21	54.0	3.46	AV	307.00	150	Horizontal	Pass
2	5148.700	64.58	5.23	74.0	9.42	Peak	348.00	150	Horizontal	Pass
2**	5148.700	50.25	5.23	54.0	3.75	AV	348.00	150	Horizontal	Pass

U-NII-1 11ac40 CH46



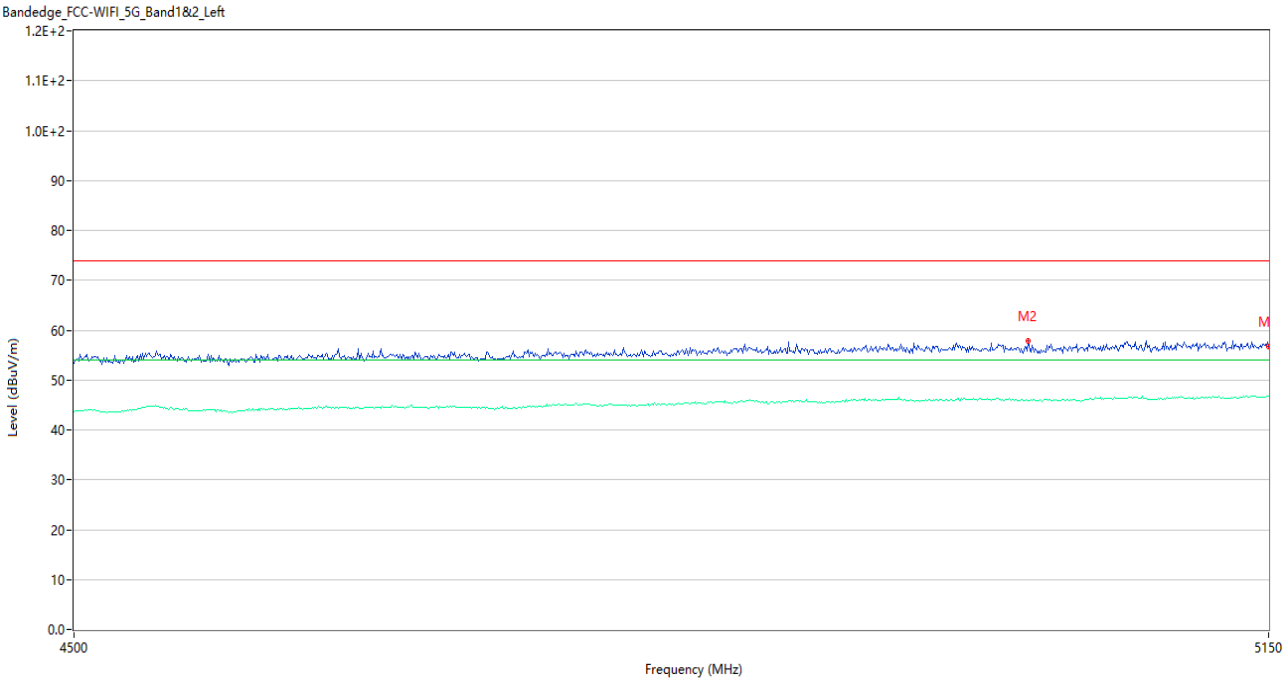
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	57.05	5.40	74.0	16.95	Peak	345.00	150	Horizontal	Pass
1**	5350.000	46.51	5.40	54.0	7.49	AV	345.00	150	Horizontal	Pass
2	5364.080	57.98	5.62	74.0	16.02	Peak	338.00	150	Horizontal	Pass
2**	5364.080	46.47	5.62	54.0	7.53	AV	338.00	150	Horizontal	Pass

U-NII-1 11ac80 CH42



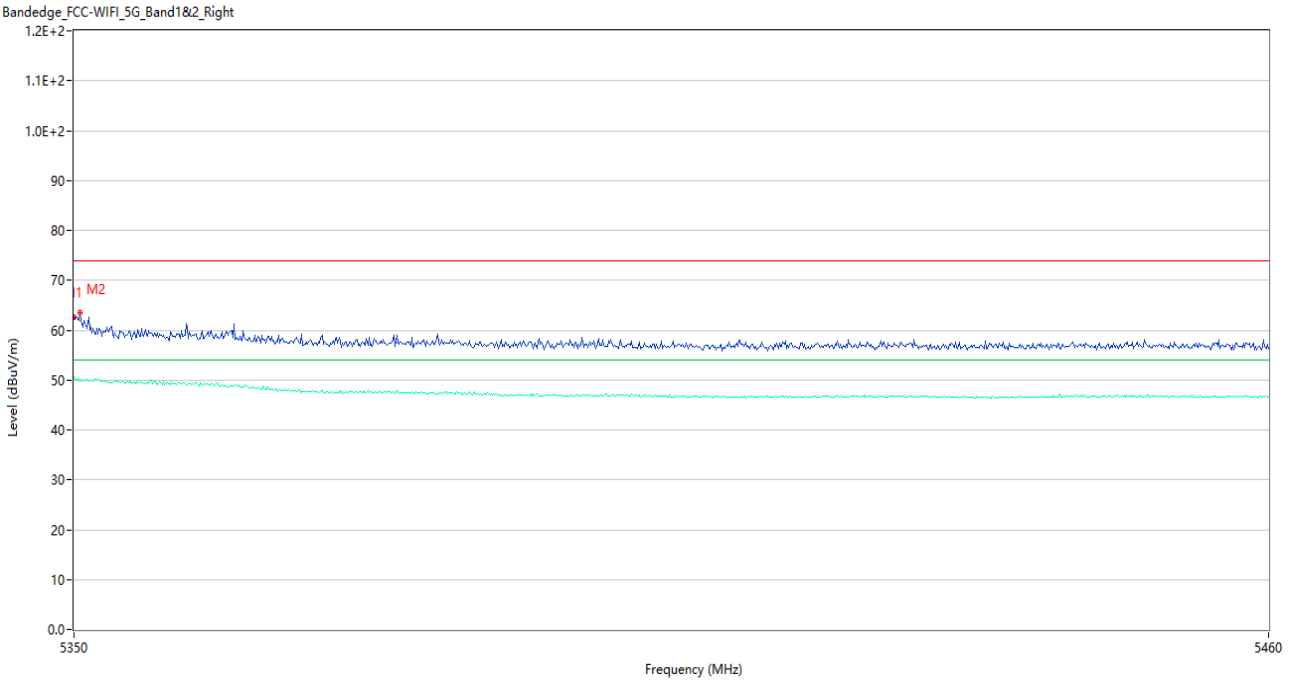
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	62.20	5.21	74.0	11.80	Peak	350.00	150	Vertical	Pass
1**	5150.000	49.54	5.21	54.0	4.46	AV	350.00	150	Vertical	Pass
2	5141.550	63.18	5.55	74.0	10.82	Peak	348.00	150	Vertical	Pass
2**	5141.550	49.89	5.55	54.0	4.11	AV	348.00	150	Vertical	Pass
3	5147.400	60.70	5.29	74.0	13.30	Peak	13.00	150	Vertical	Pass
3**	5147.400	50.72	5.29	54.0	3.28	AV	13.00	150	Vertical	Pass

U-NII-2A 11a CH52



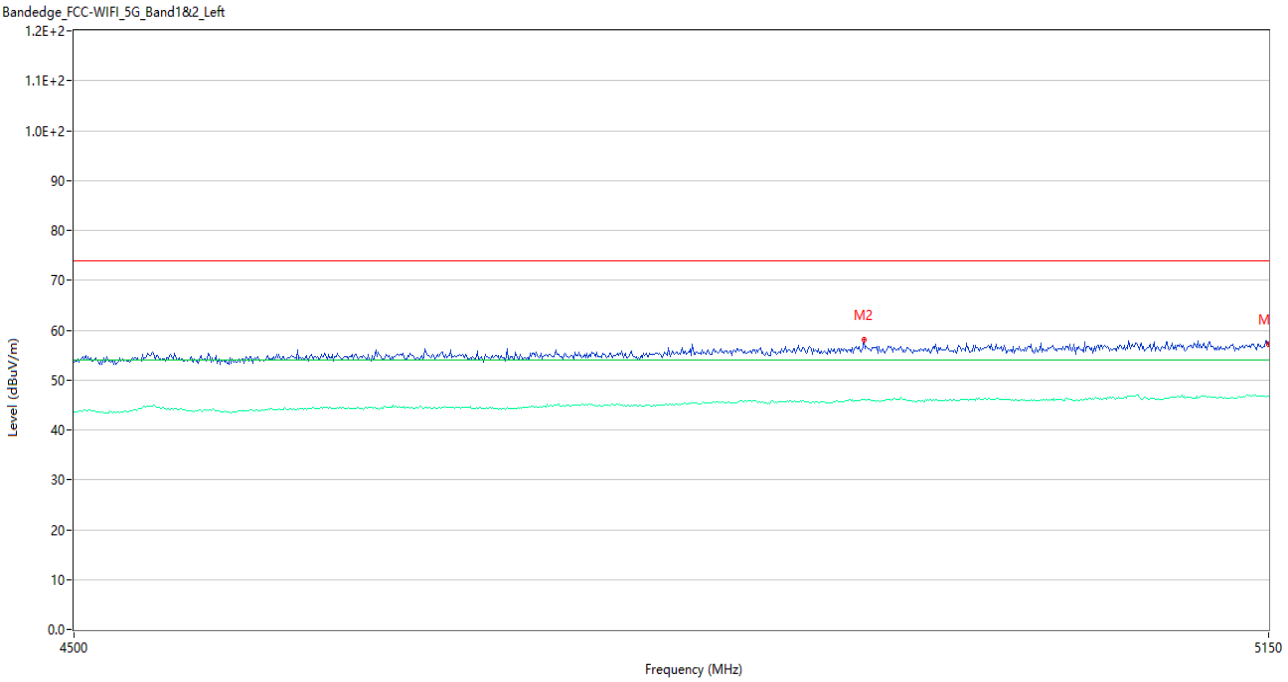
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	56.62	5.21	74.0	17.38	Peak	202.01	150	Vertical	Pass
1**	5150.000	46.73	5.21	54.0	7.27	AV	202.01	150	Vertical	Pass
2	5012.200	57.87	4.99	74.0	16.13	Peak	286.00	150	Vertical	Pass
2**	5012.200	45.93	4.99	54.0	8.07	AV	286.00	150	Vertical	Pass

U-NII-2A 11a CH64



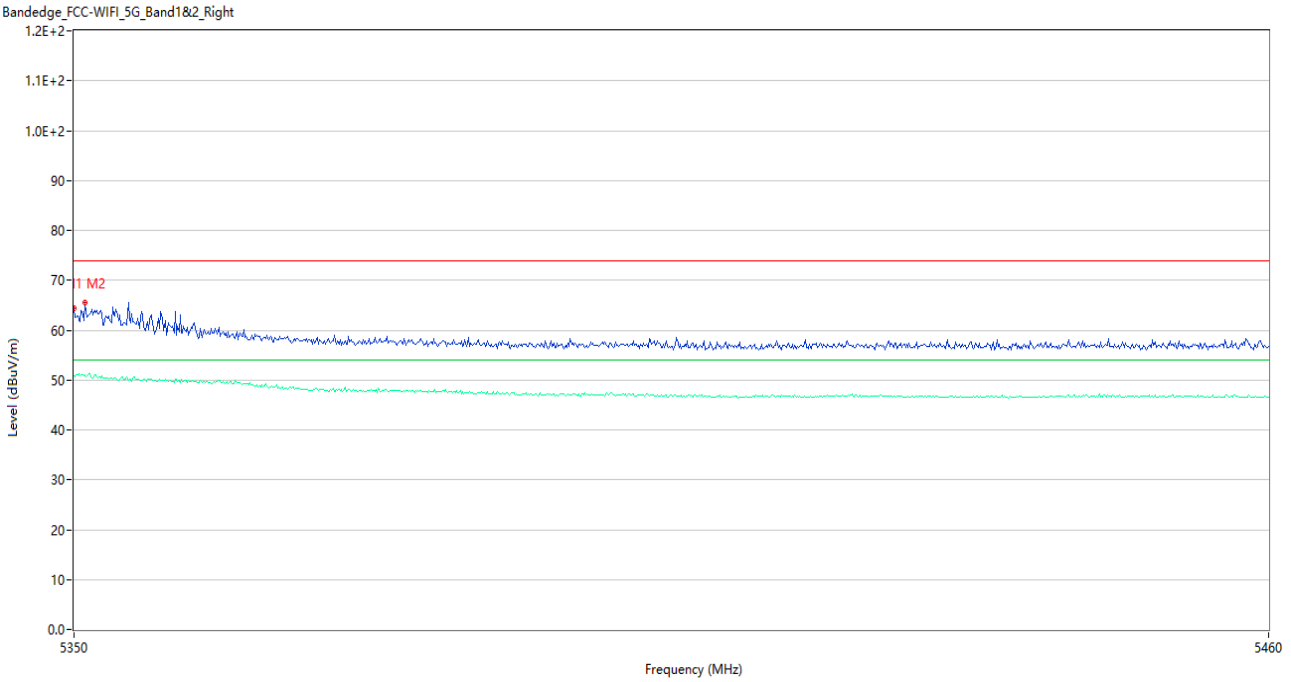
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	62.54	5.40	74.0	11.46	Peak	3.00	150	Horizontal	Pass
1**	5350.000	50.51	5.40	54.0	3.49	AV	3.00	150	Horizontal	Pass
2	5350.550	63.49	5.42	74.0	10.51	Peak	345.00	150	Horizontal	Pass
2**	5350.550	49.82	5.42	54.0	4.18	AV	345.00	150	Horizontal	Pass

U-NII-2A 11n20 CH52



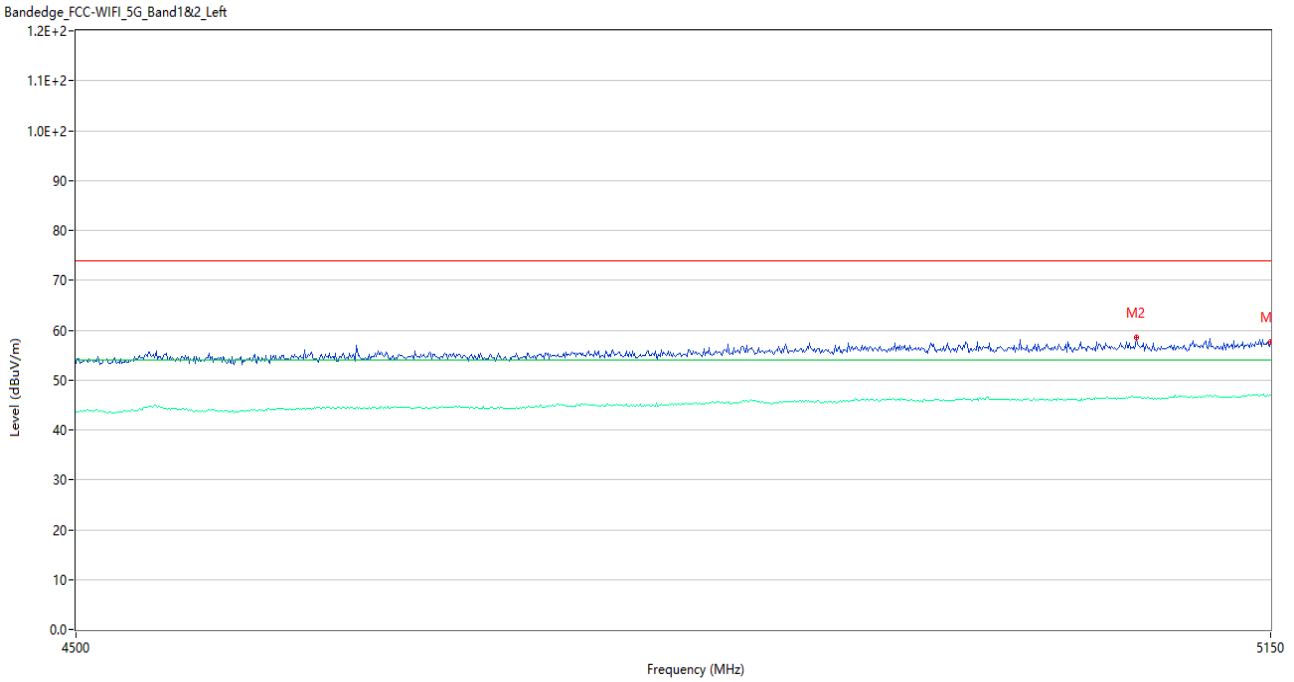
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	57.16	5.21	74.0	16.84	Peak	248.97	150	Horizontal	Pass
1**	5150.000	46.78	5.21	54.0	7.22	AV	248.97	150	Horizontal	Pass
2	4919.900	57.99	4.96	74.0	16.01	Peak	292.00	150	Horizontal	Pass
2**	4919.900	46.11	4.96	54.0	7.89	AV	292.00	150	Horizontal	Pass

U-NII-2A 11n20 CH64



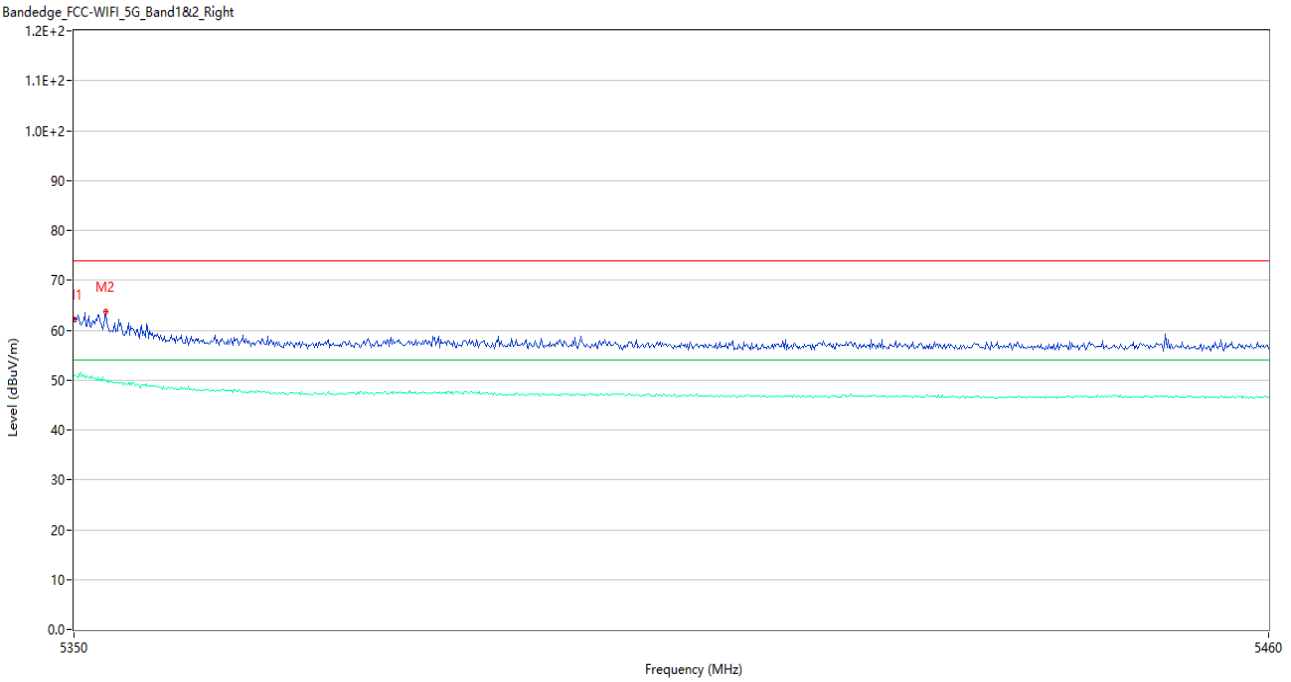
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	63.56	5.40	74.0	10.44	Peak	0.00	150	Horizontal	Pass
1**	5350.000	50.00	5.40	54.0	4.00	AV	0.00	150	Horizontal	Pass
2	5350.990	65.46	5.43	74.0	8.54	Peak	0.00	150	Horizontal	Pass
2**	5350.990	49.82	5.43	54.0	4.18	AV	0.00	150	Horizontal	Pass

U-NII-2A 11n40 CH54



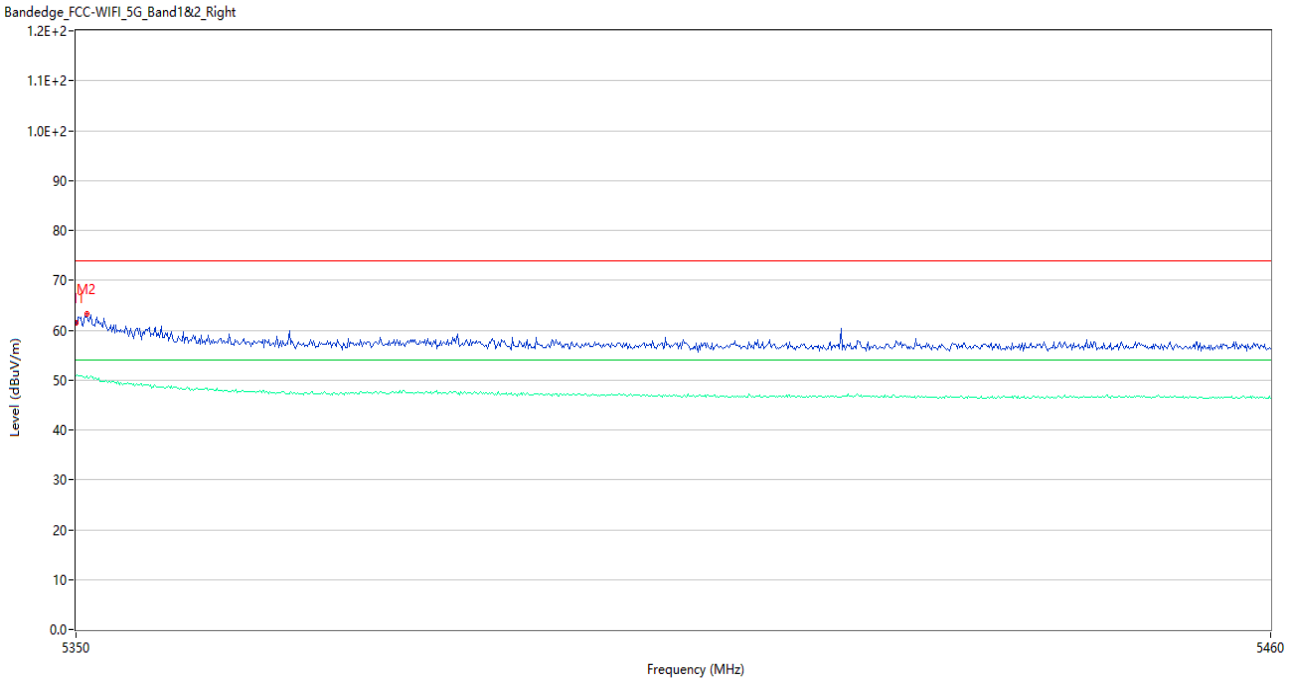
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	57.58	5.21	74.0	16.42	Peak	35.06	150	Horizontal	Pass
1**	5150.000	46.95	5.21	54.0	7.05	AV	35.06	150	Horizontal	Pass
2	5072.650	58.51	5.15	74.0	15.49	Peak	2.00	150	Horizontal	Pass
2**	5072.650	46.56	5.15	54.0	7.44	AV	2.00	150	Horizontal	Pass

U-NII-2A 11n40 CH62



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	62.25	5.40	74.0	11.75	Peak	19.00	150	Horizontal	Pass
1**	5350.000	50.82	5.40	54.0	3.18	AV	19.00	150	Horizontal	Pass
2	5352.860	63.62	5.47	74.0	10.38	Peak	360.00	150	Horizontal	Pass
2**	5352.860	49.83	5.47	54.0	4.17	AV	360.00	150	Horizontal	Pass

U-NII-2A 11ac80 CH58

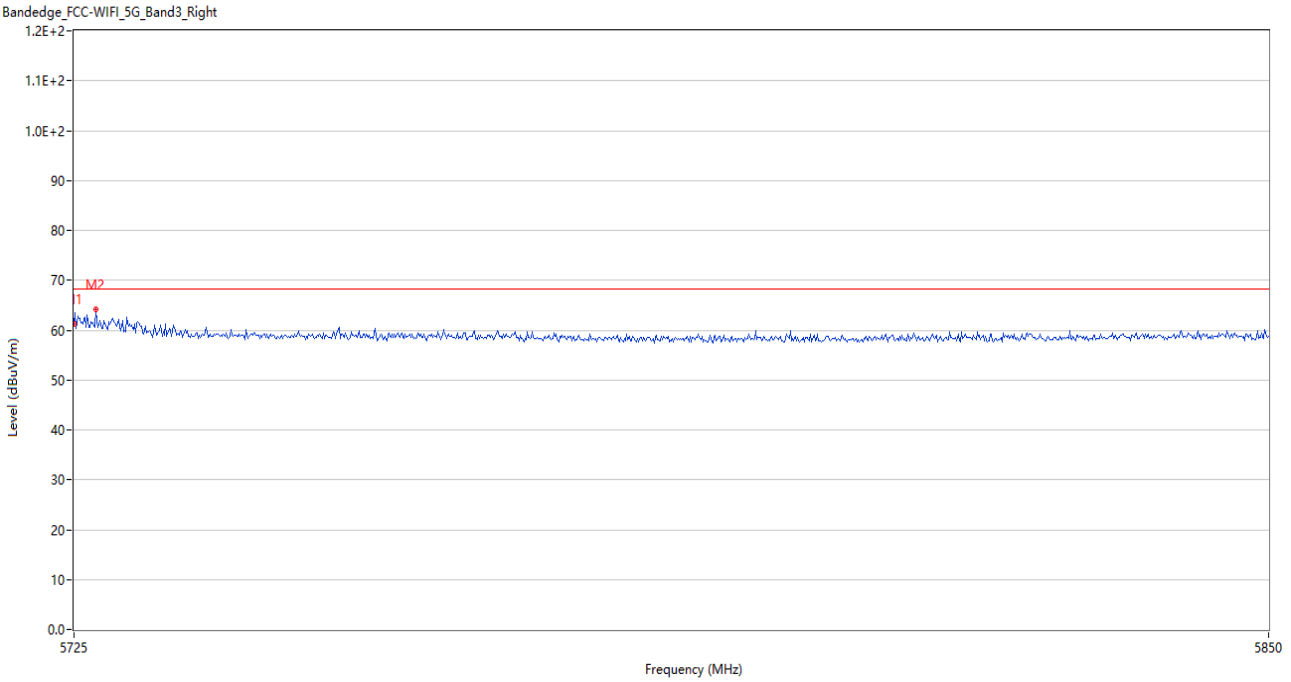


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	61.46	5.40	74.0	12.54	Peak	345.00	150	Horizontal	Pass
1**	5350.000	50.82	5.40	54.0	3.18	AV	345.00	150	Horizontal	Pass
2	5350.990	63.28	5.43	74.0	10.72	Peak	0.00	150	Horizontal	Pass
2**	5350.990	50.93	5.43	54.0	3.07	AV	0.00	150	Horizontal	Pass

U-NII-2C 11a CH100

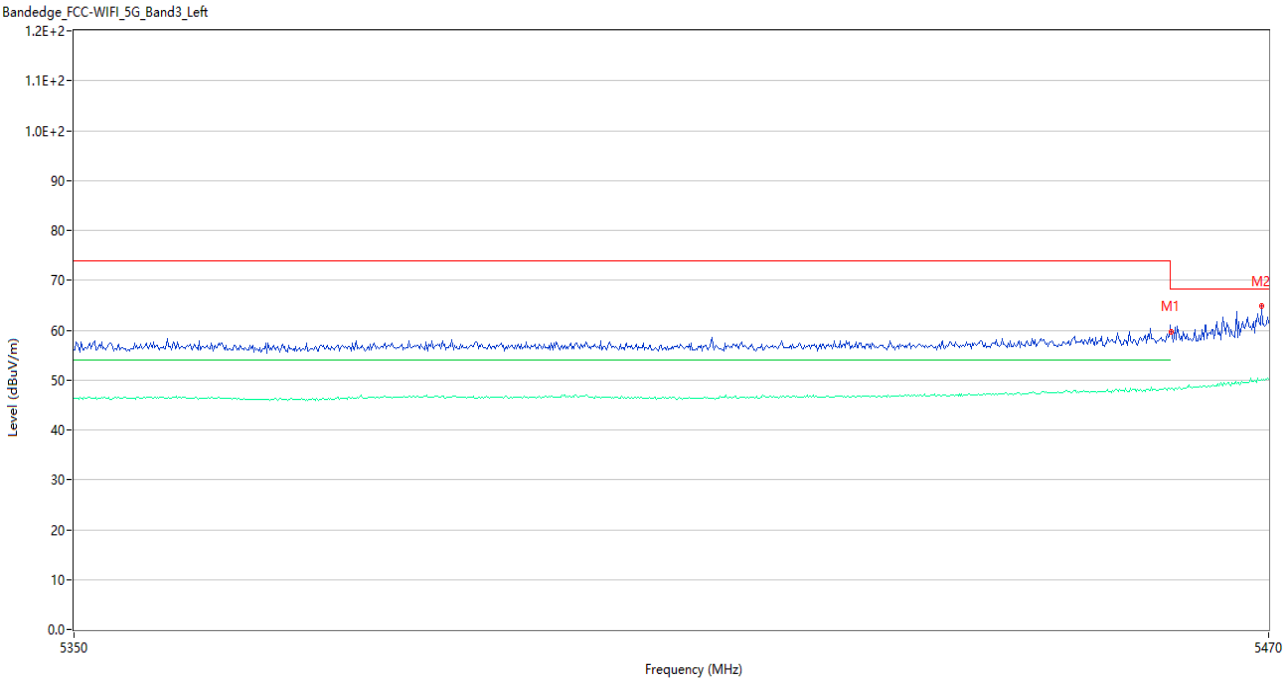
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5460.000	58.86	5.38	68.2	9.34	Peak	357.33	150	Horizontal	Pass
1**	5460.000	48.34	5.38	54.0	5.66	AV	357.33	150	Horizontal	Pass
2	5468.920	64.28	5.80	68.2	3.92	Peak	360.00	150	Horizontal	Pass
2**	5468.920	49.79	5.80	--	-49.79	AV	360.00	150	Horizontal	N/A

U-NII-2C 11a CH140



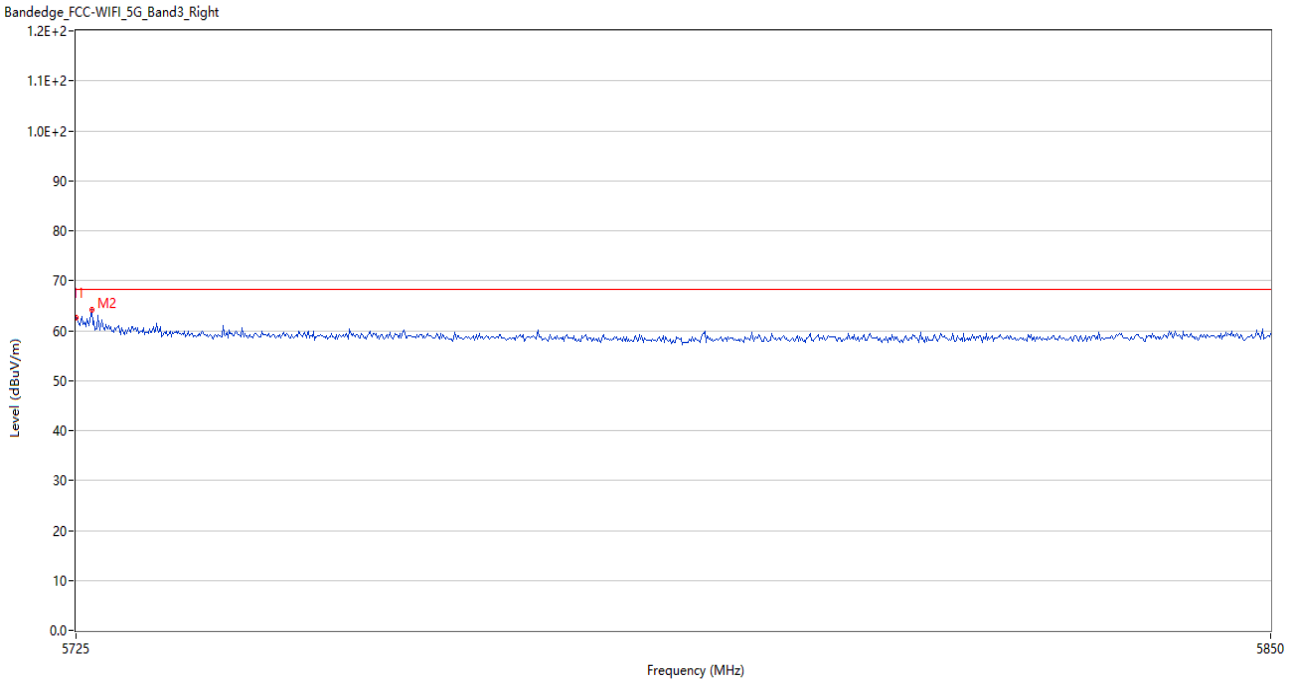
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	61.35	6.57	68.2	6.85	Peak	0.00	150	Horizontal	Pass
2	5727.250	64.25	6.51	68.2	3.95	Peak	351.00	150	Horizontal	Pass

U-NII-2C 11ac20 CH100



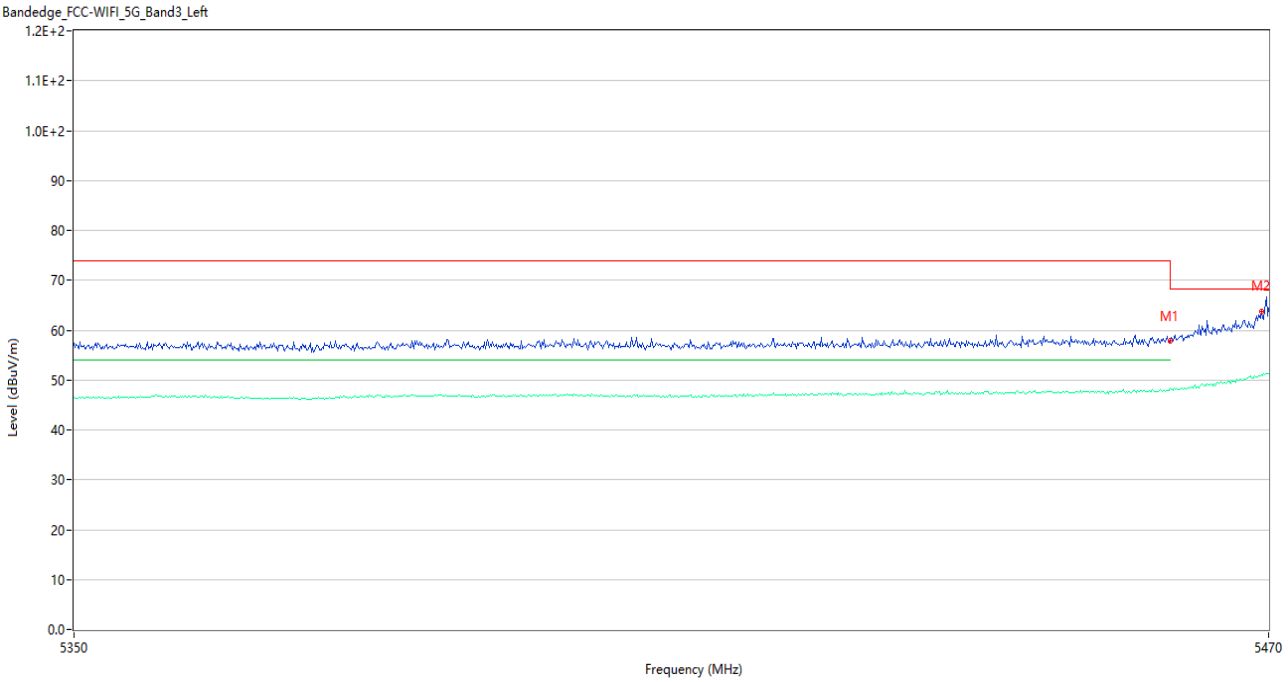
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5460.000	60.21	5.38	68.2	7.99	Peak	360.00	150	Horizontal	Pass
1**	5460.000	48.18	5.38	54.0	5.82	AV	360.00	150	Horizontal	Pass
2	5469.280	64.83	5.80	68.2	3.37	Peak	355.00	150	Horizontal	Pass
2**	5469.280	50.20	5.80	--	-50.20	AV	355.00	150	Horizontal	N/A

U-NII-2C 11ac20 CH140



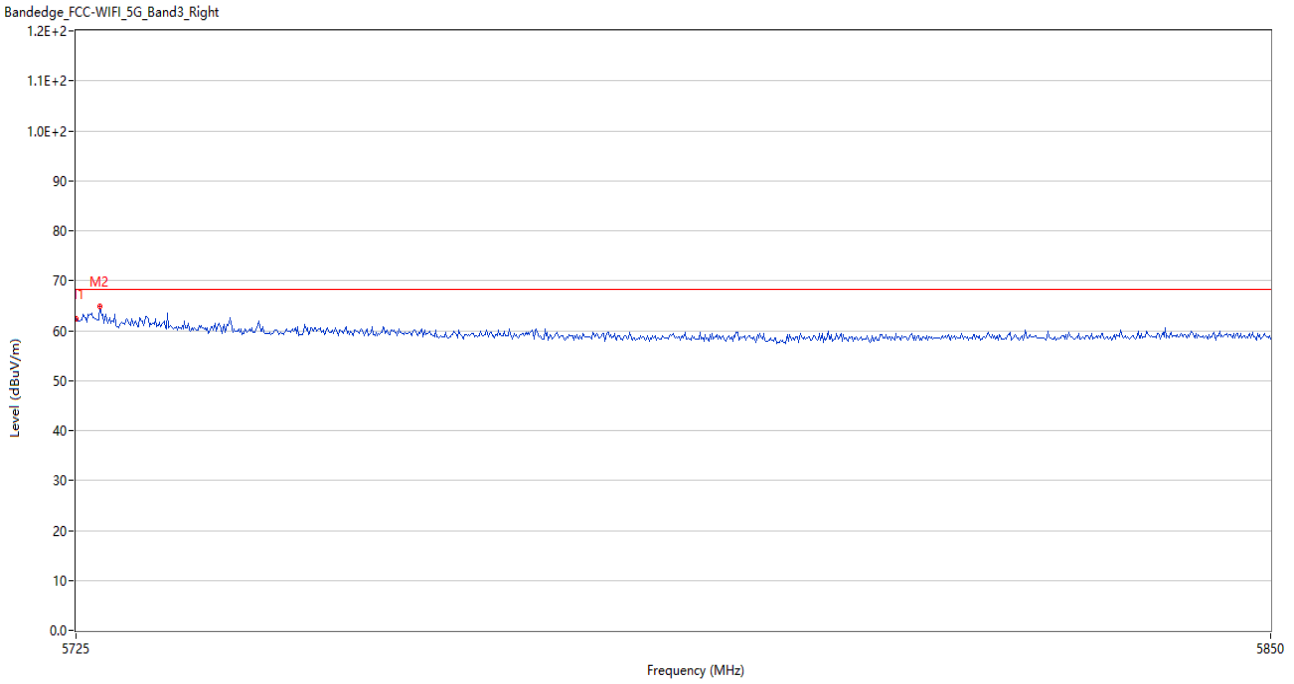
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	62.70	6.57	68.2	5.50	Peak	360.00	150	Horizontal	Pass
2	5726.625	64.18	6.53	68.2	4.02	Peak	360.00	150	Horizontal	Pass

U-NII-2C 11ac40 CH102



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5460.000	57.68	5.38	68.2	10.52	Peak	0.00	150	Horizontal	Pass
1**	5460.000	47.74	5.38	54.0	6.26	AV	0.00	150	Horizontal	Pass
2	5469.280	63.82	5.80	68.2	4.38	Peak	0.00	150	Horizontal	Pass
2**	5469.280	50.22	5.80	--	-50.22	AV	0.00	150	Horizontal	N/A

U-NII-2C 11ac40 CH134

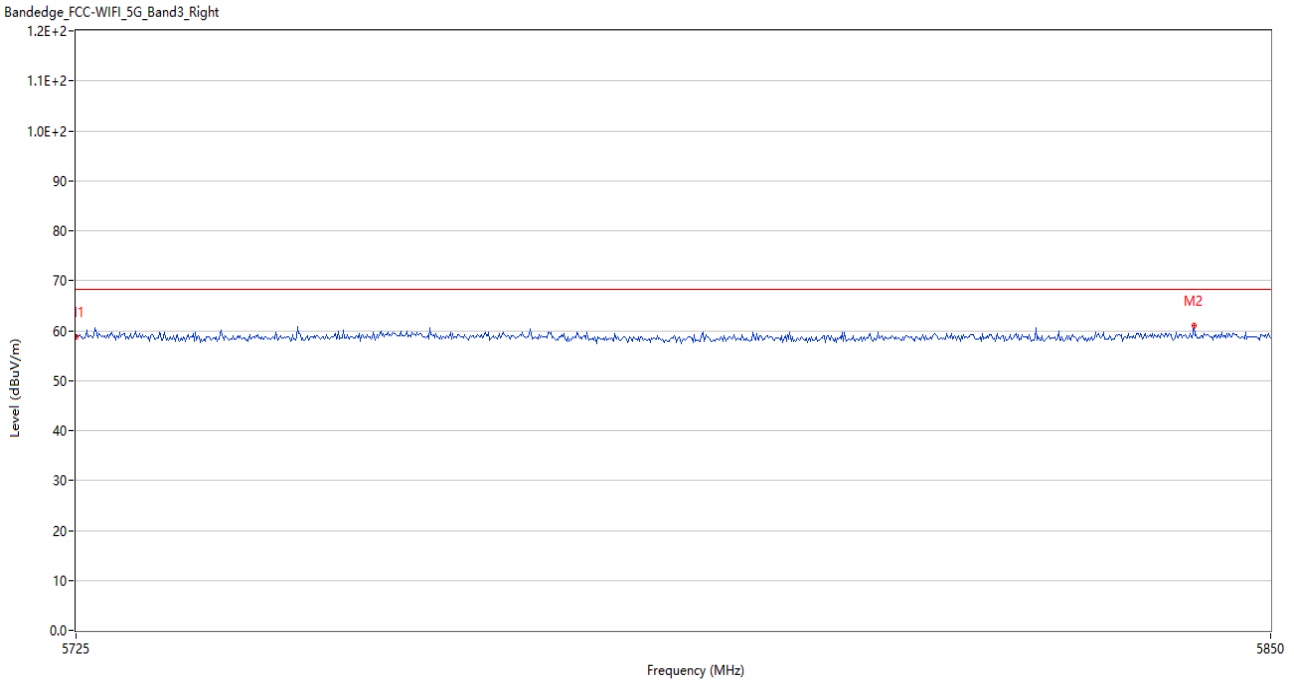


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	62.48	6.57	68.2	5.72	Peak	357.00	150	Horizontal	Pass
2	5727.500	64.83	6.50	68.2	3.37	Peak	360.00	150	Horizontal	Pass

U-NII-2C 11ac80 CH106

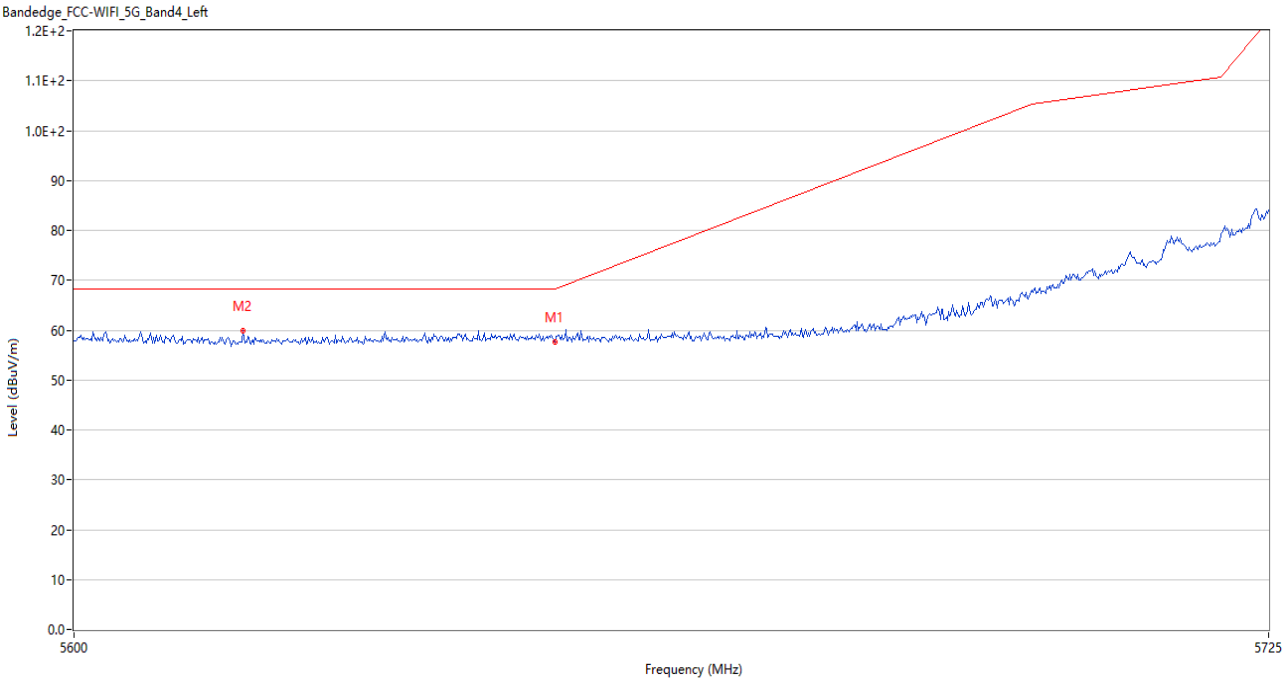
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5460.000	56.55	5.38	68.2	11.65	Peak	259.44	150	Vertical	Pass
1**	5460.000	46.89	5.38	54.0	7.11	AV	259.44	150	Vertical	Pass
2	5463.640	57.83	5.54	68.2	10.37	Peak	230.00	150	Vertical	Pass
2**	5463.640	46.85	5.54	--	-46.85	AV	230.00	150	Vertical	N/A

U-NII-2C 11ac80 CH122



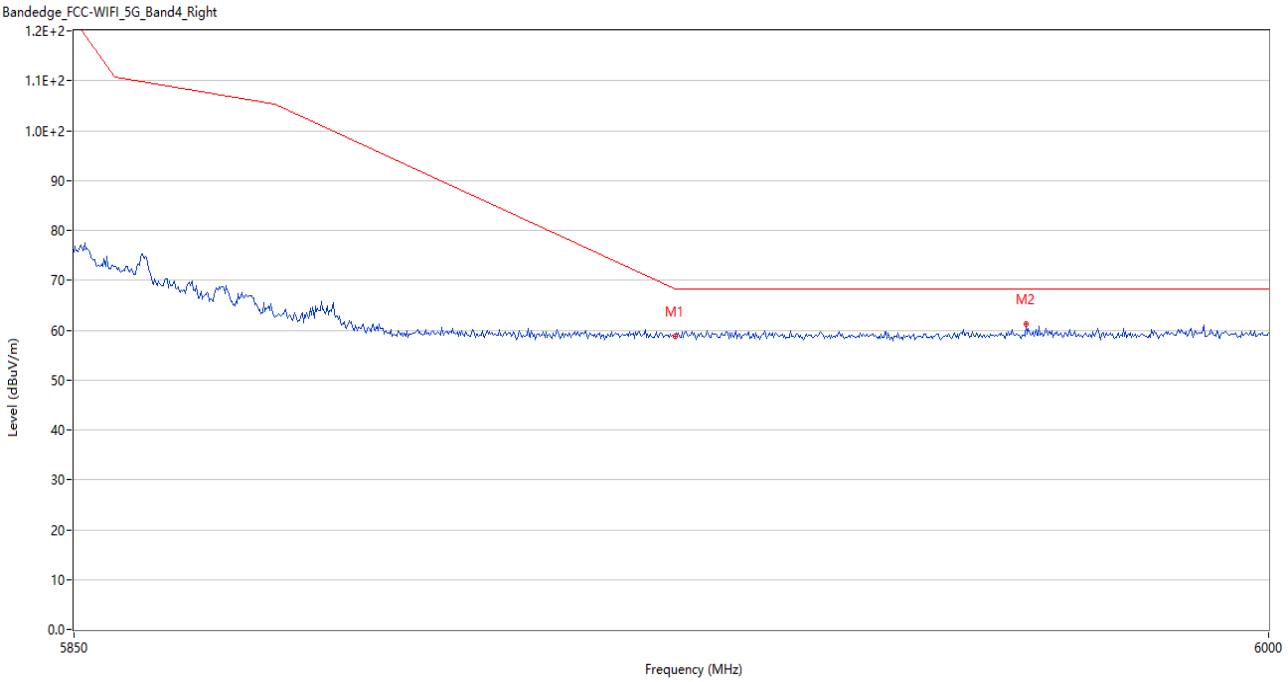
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	58.68	6.57	68.2	9.52	Peak	282.00	150	Horizontal	Pass
2	5841.875	61.06	7.16	68.2	7.14	Peak	235.00	150	Horizontal	Pass

U-NII-3 11a CH149



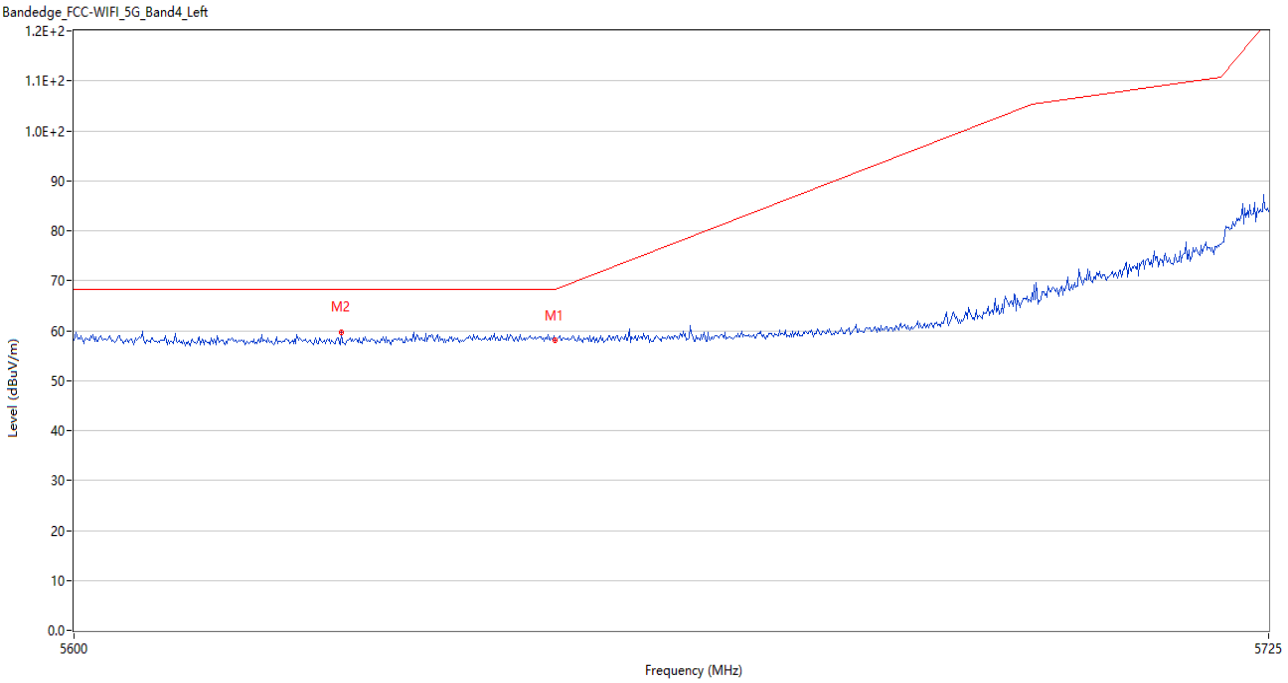
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	57.57	5.94	68.2	10.63	Peak	50.99	150	Vertical	Pass
2	5617.500	59.86	5.95	68.2	8.34	Peak	291.00	150	Vertical	Pass

U-NII-3 11a CH165



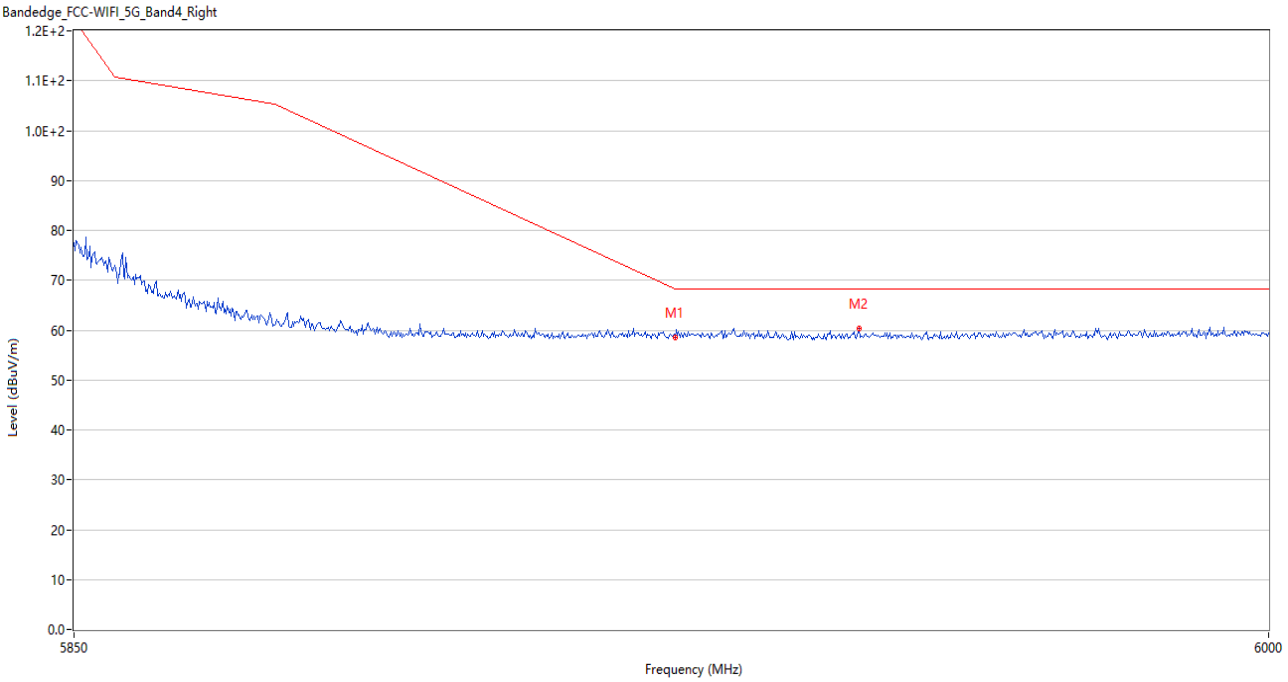
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	58.68	7.83	68.2	9.52	Peak	222.78	150	Vertical	Pass
2	5969.250	61.22	7.59	68.2	6.98	Peak	35.00	150	Vertical	Pass

U-NII-3 11ac20 CH149



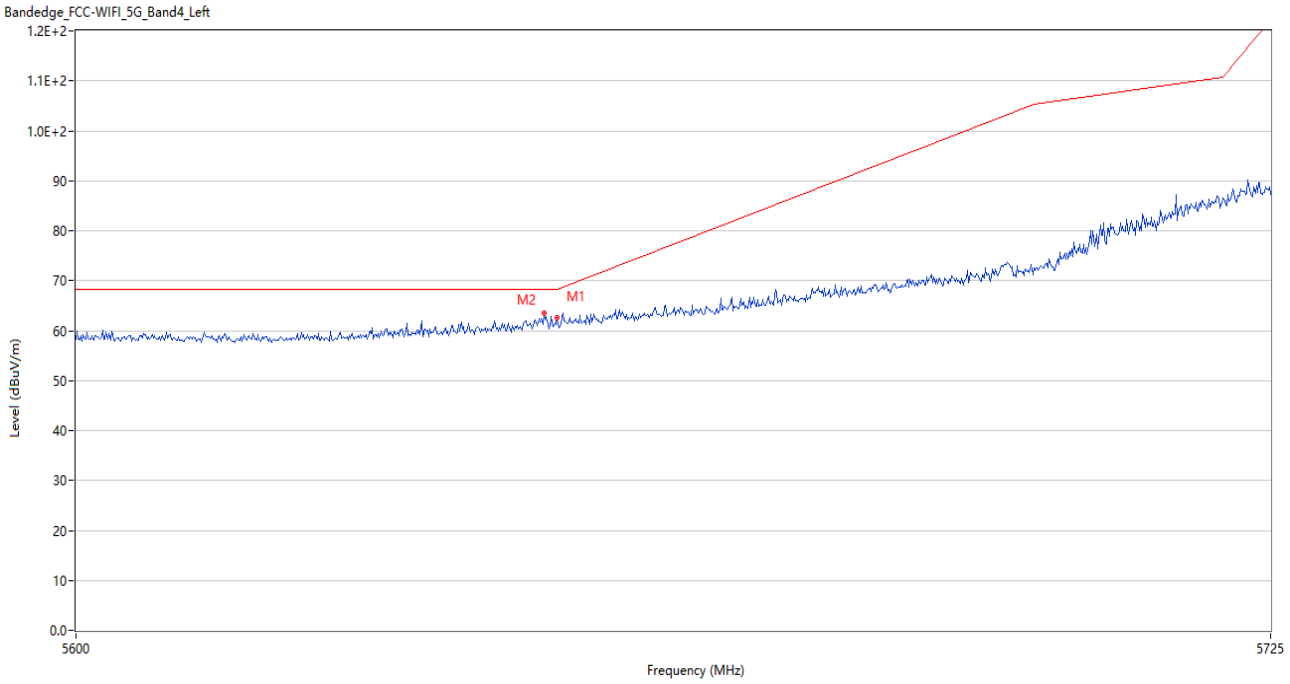
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	58.01	5.94	68.2	10.19	Peak	316.73	150	Horizontal	Pass
2	5627.750	59.69	5.85	68.2	8.51	Peak	84.00	150	Horizontal	Pass

U-NII-3 11ac20 CH165



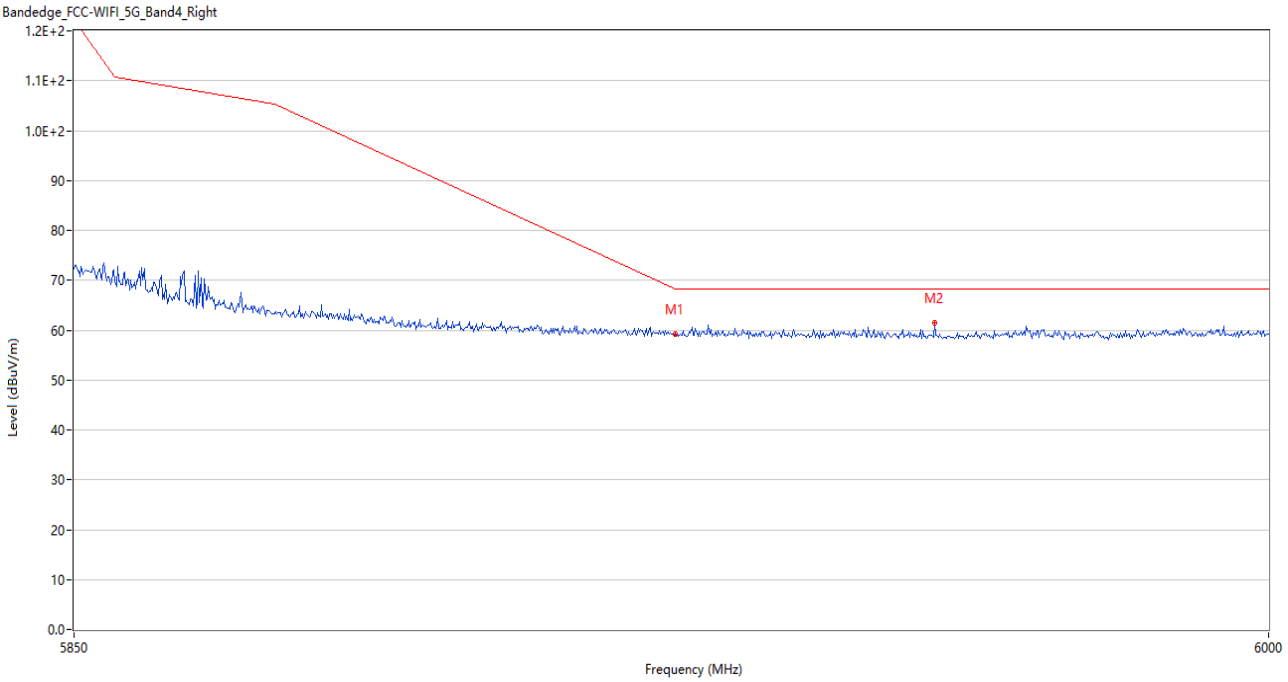
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	58.48	7.83	68.2	9.72	Peak	0.25	150	Horizontal	Pass
2	5948.100	60.27	7.51	68.2	7.93	Peak	308.00	150	Horizontal	Pass

U-NII-3 11ac40 CH151



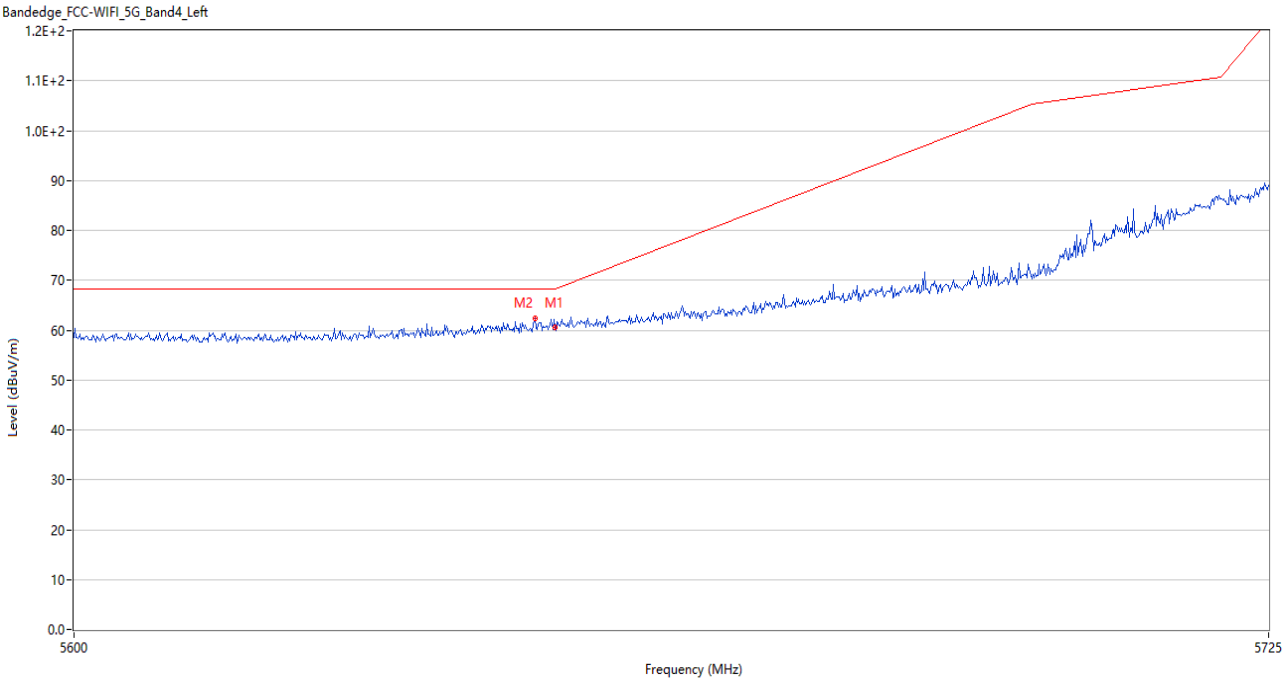
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	62.68	5.94	68.2	5.52	Peak	358.00	150	Horizontal	Pass
2	5648.625	63.47	5.96	68.2	4.73	Peak	356.00	150	Horizontal	Pass

U-NII-3 11ac40 CH159



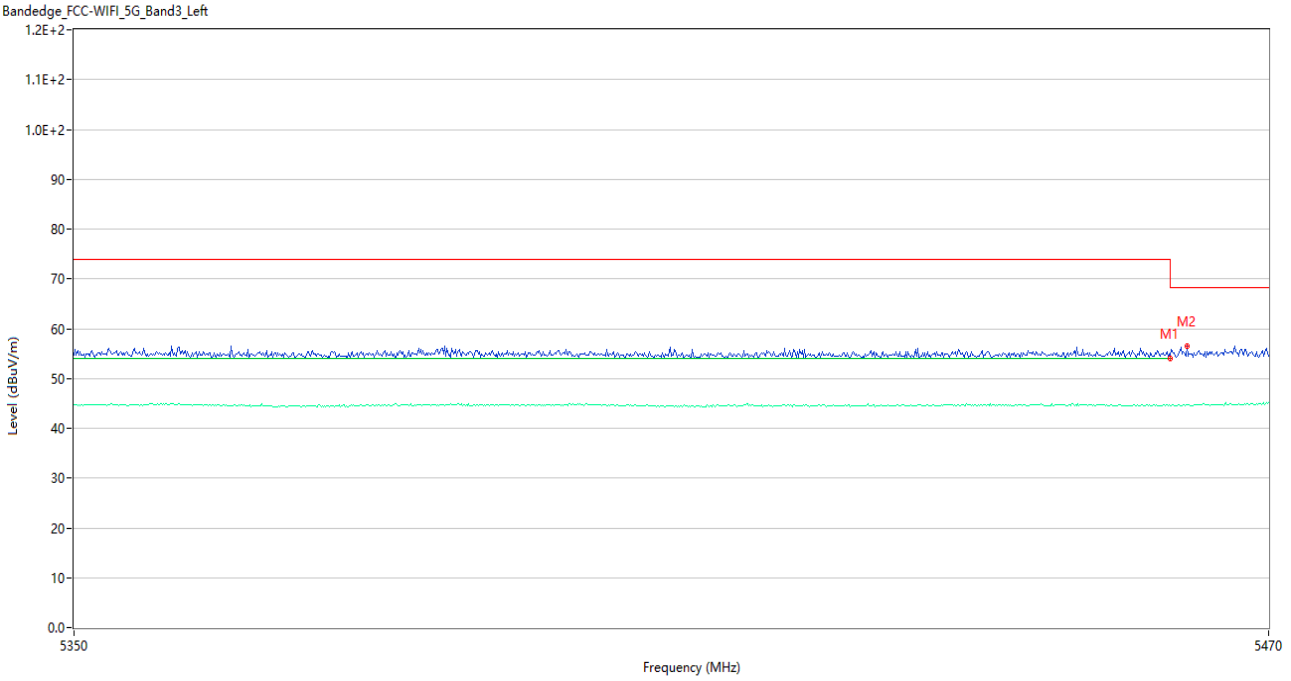
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	59.19	7.83	68.2	9.01	Peak	0.03	150	Vertical	Pass
2	5957.700	61.55	7.27	68.2	6.65	Peak	0.00	150	Vertical	Pass

U-NII-3 11ac80 CH155



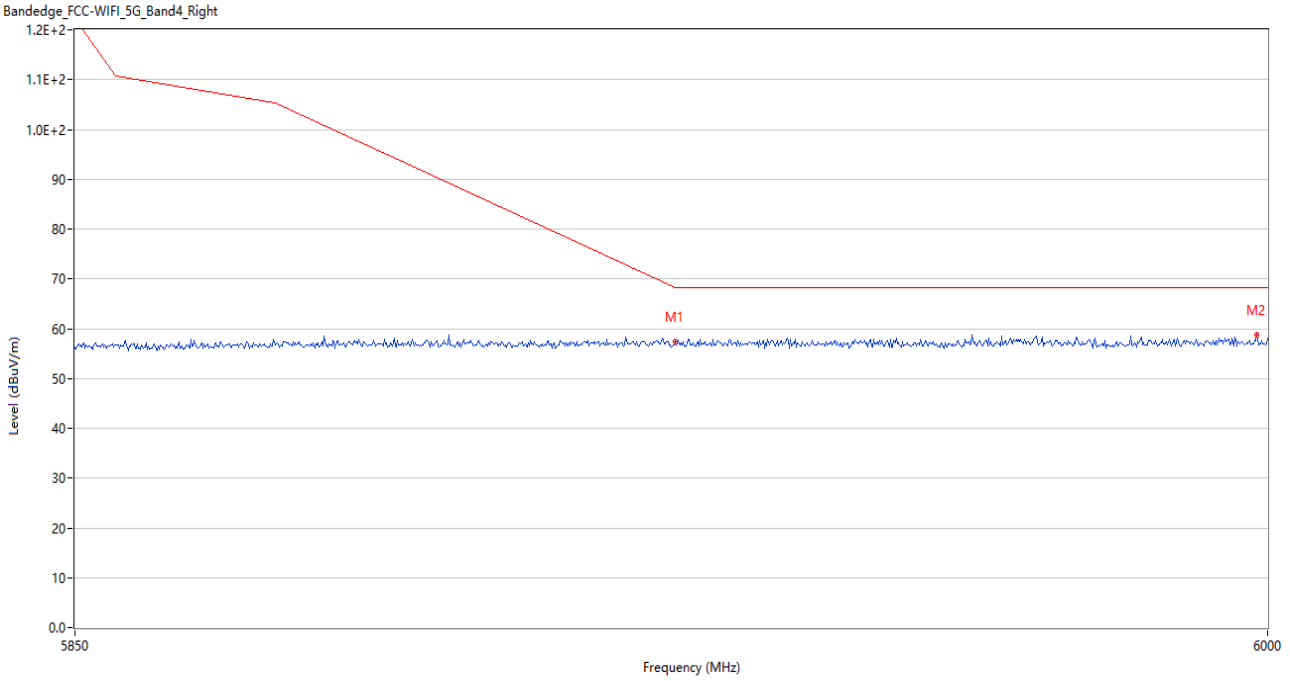
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	60.51	5.94	68.2	7.69	Peak	357.64	150	Horizontal	Pass
2	5647.875	62.44	5.95	68.2	5.76	Peak	355.00	150	Horizontal	Pass

U-NII-2C&U-NII-3 11a 144 Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5460.000	54.70	3.78	68.2	13.50	Peak	216.86	150	Vertical	Pass
1**	5460.000	44.65	3.78	54.0	9.35	AV	216.86	150	Vertical	Pass
2	5461.720	56.43	3.83	68.2	11.77	Peak	103.00	150	Vertical	Pass
2**	5461.720	44.79	3.83	--	-44.79	AV	103.00	150	Vertical	N/A

U-NII-2C&U-NII-3 11a 144 Channel

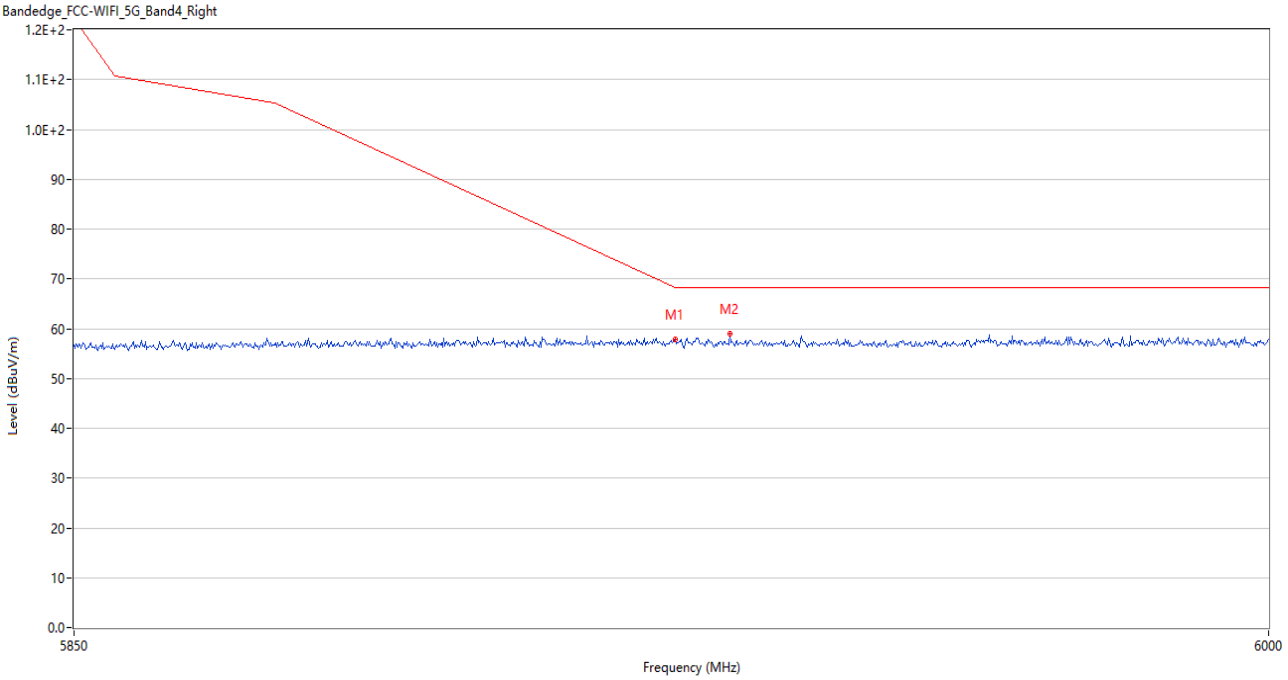


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	57.45	6.44	68.2	10.75	Peak	0.46	150	Horizontal	Pass
2	5998.650	58.81	6.51	68.2	9.39	Peak	0.00	150	Horizontal	Pass

U-NII-2C&U-NII-3 11n20 144 Channel

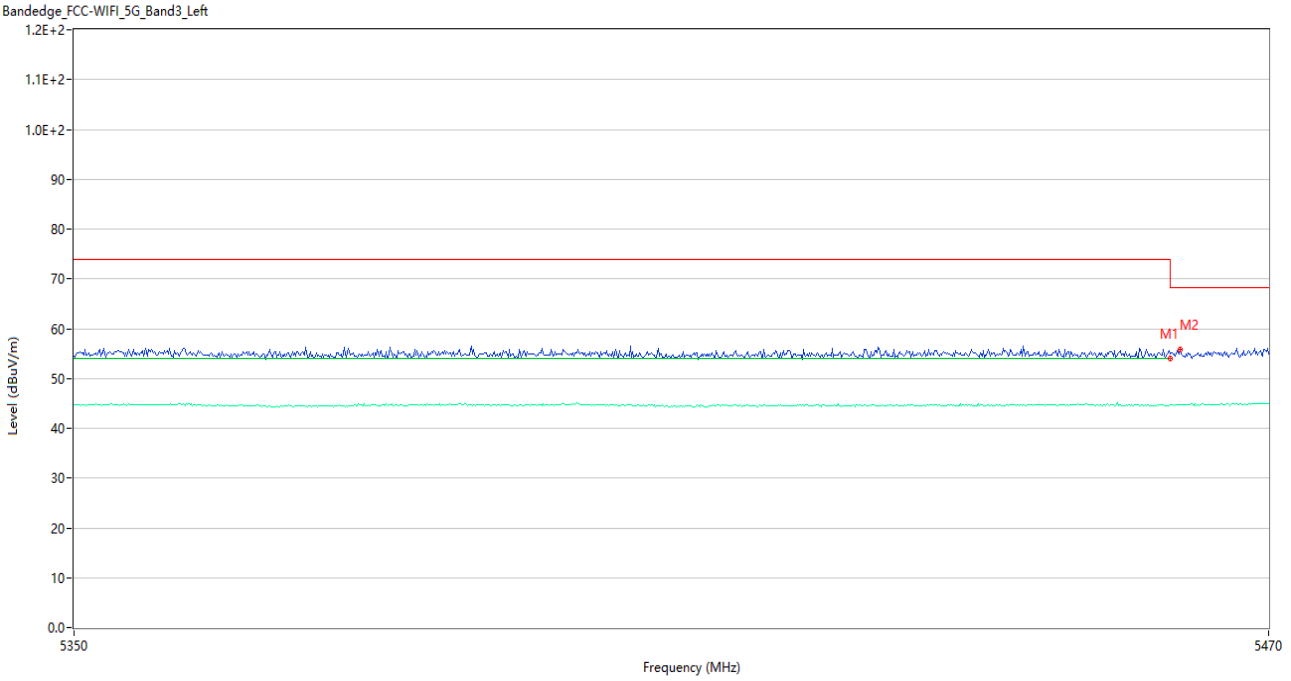
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5460.000	55.14	3.78	68.2	13.06	Peak	101.88	150	Vertical	Pass
1**	5460.000	44.53	3.78	54.0	9.47	AV	101.88	150	Vertical	Pass
2	5465.200	55.74	3.95	68.2	12.46	Peak	2.00	150	Vertical	Pass
2**	5465.200	44.80	3.95	--	-44.80	AV	2.00	150	Vertical	N/A

U-NII-2C&U-NII-3 11n20 144 Channel



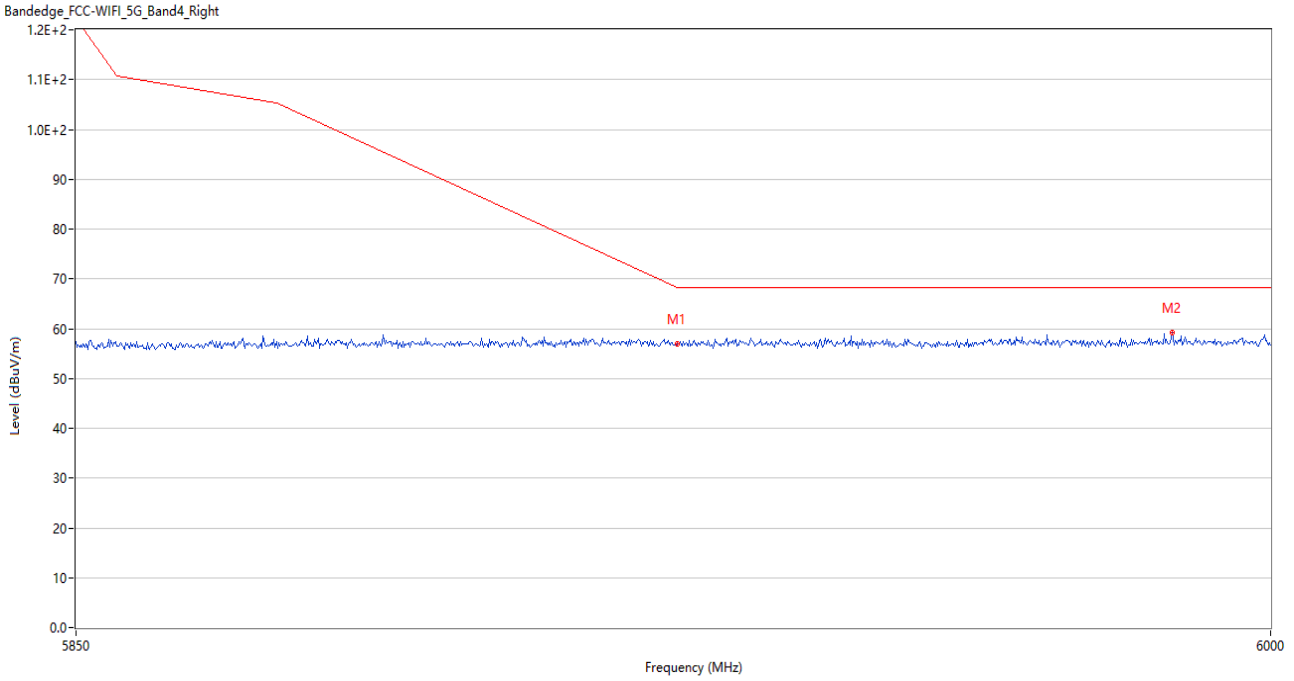
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	57.94	6.44	68.2	10.26	Peak	0.06	150	Vertical	Pass
2	5931.900	58.95	6.28	68.2	9.25	Peak	0.00	150	Vertical	Pass

U-NII-2C&U-NII-3 11n40 142 Channel



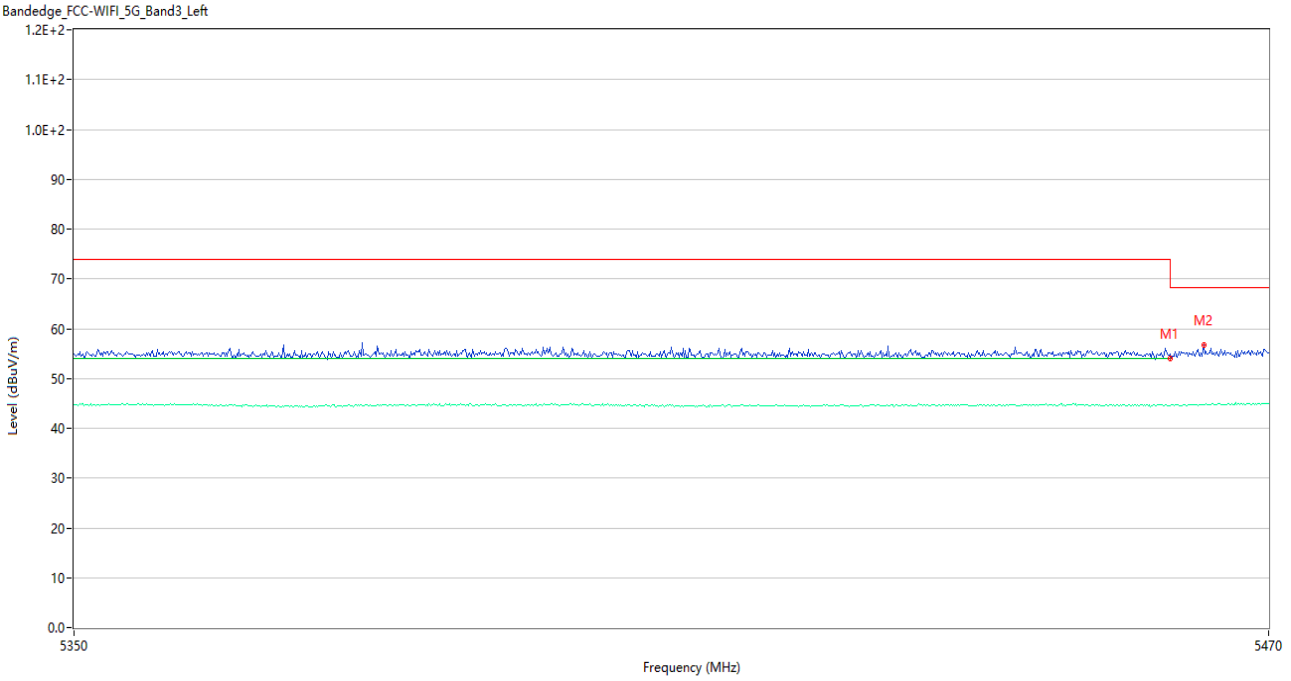
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5460.000	55.09	3.78	68.2	13.11	Peak	173.01	150	Horizontal	Pass
1**	5460.000	44.64	3.78	54.0	9.36	AV	173.01	150	Horizontal	Pass
2	5461.000	55.78	3.81	68.2	12.42	Peak	8.00	150	Horizontal	Pass
2**	5461.000	44.82	3.81	--	-44.82	AV	8.00	150	Horizontal	N/A

U-NII-2C&U-NII-3 11n40 142 Channel



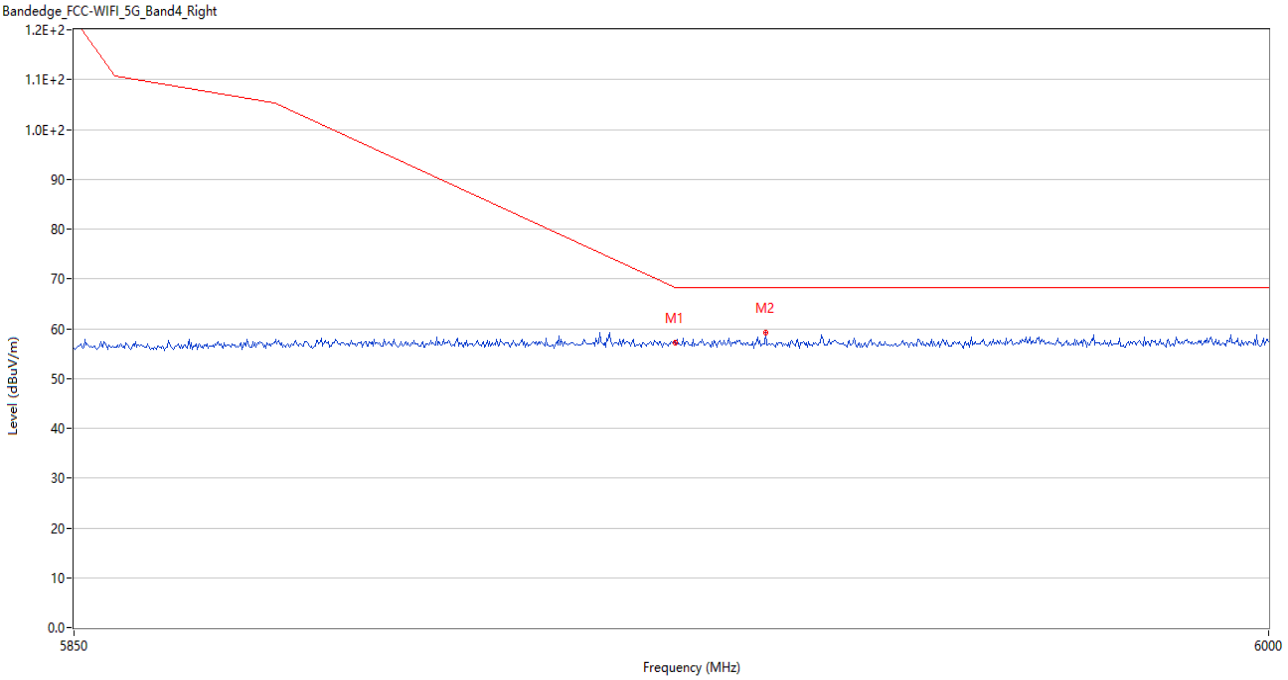
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	56.96	6.44	68.2	11.24	Peak	233.13	150	Horizontal	Pass
2	5987.550	59.29	6.30	68.2	8.91	Peak	123.00	150	Horizontal	Pass

U-NII-2C&U-NII-3 11ac20 144 Channel



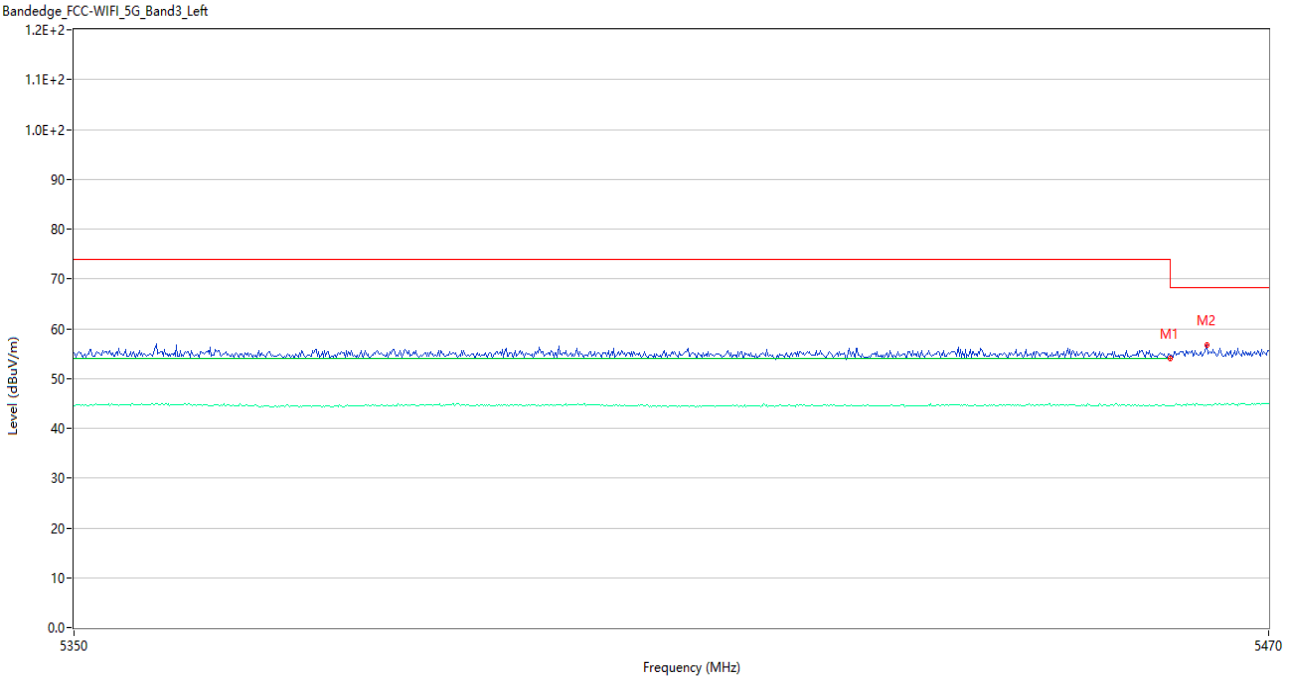
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5460.000	54.63	3.78	68.2	13.57	Peak	205.11	150	Horizontal	Pass
1**	5460.000	44.59	3.78	54.0	9.41	AV	205.11	150	Horizontal	Pass
2	5463.400	56.84	3.88	68.2	11.36	Peak	139.00	150	Horizontal	Pass
2**	5463.400	44.80	3.88	--	-44.80	AV	139.00	150	Horizontal	N/A

U-NII-2C&U-NII-3 11ac20 144 Channel



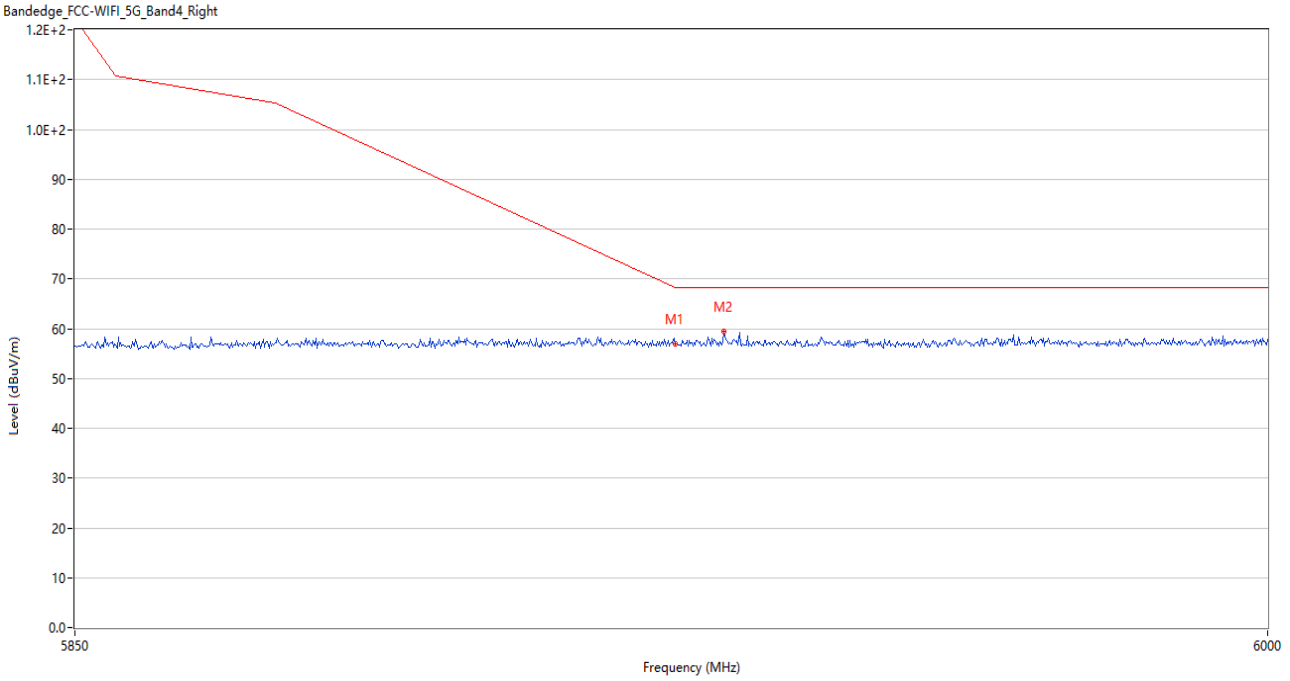
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	57.15	6.44	68.2	11.05	Peak	7.40	150	Horizontal	Pass
2	5936.400	59.16	6.13	68.2	9.04	Peak	360.00	150	Horizontal	Pass

U-NII-2C&U-NII-3 11ac40 142 Channel



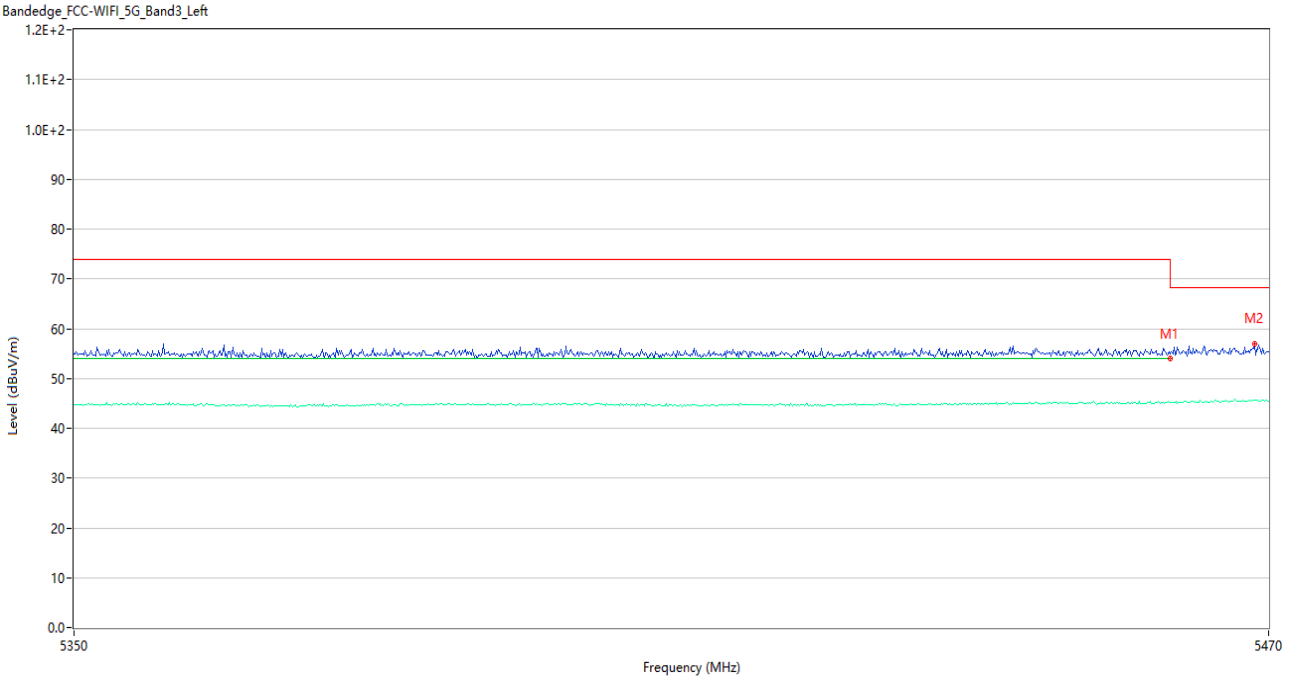
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5460.000	54.70	3.78	68.2	13.50	Peak	222.27	150	Vertical	Pass
1**	5460.000	44.57	3.78	54.0	9.43	AV	222.27	150	Vertical	Pass
2	5463.760	56.69	3.90	68.2	11.51	Peak	42.00	150	Vertical	Pass
2**	5463.760	44.79	3.90	--	-44.79	AV	42.00	150	Vertical	N/A

U-NII-2C&U-NII-3 11ac40 142 Channel



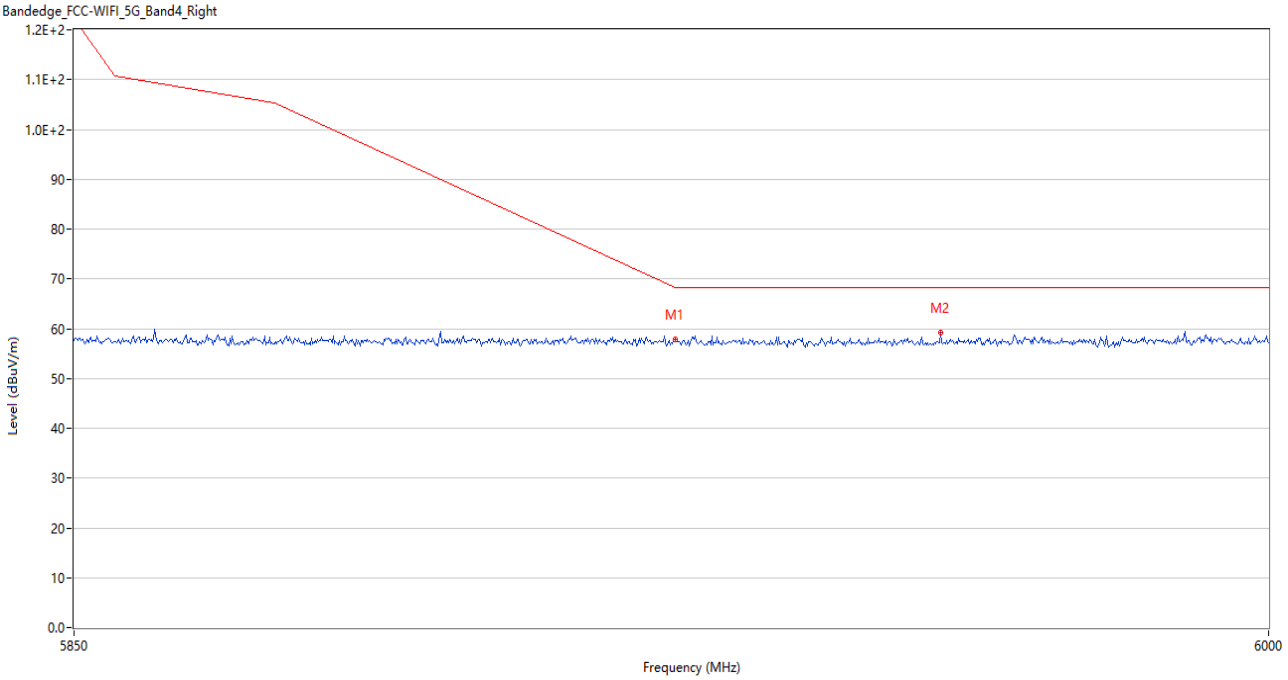
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	56.85	6.44	68.2	11.35	Peak	181.81	150	Vertical	Pass
2	5931.150	59.46	6.29	68.2	8.74	Peak	193.00	150	Vertical	Pass

U-NII-2C&U-NII-3 11ac80 138 Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5460.000	55.07	3.78	68.2	13.13	Peak	159.55	150	Vertical	Pass
1**	5460.000	45.20	3.78	54.0	8.80	AV	159.55	150	Vertical	Pass
2	5468.560	56.84	4.06	68.2	11.36	Peak	360.00	150	Vertical	Pass
2**	5468.560	45.59	4.06	--	-45.59	AV	360.00	150	Vertical	N/A

U-NII-2C&U-NII-3 11ac80 138 Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	57.79	6.44	68.2	10.41	Peak	357.59	150	Vertical	Pass
2	5958.450	59.11	6.11	68.2	9.09	Peak	305.00	150	Vertical	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ24C0728-AR-1.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ24C0728-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ24C0728-AI.PDF”.

Statement

1. The Testing Center guarantees the scientificity, accuracy and impartiality of the test, and is responsible for all the information in the report, except the information provided by the customer. The customer is responsible for the impact of the information provided on the validity of the results.

2. For the report with Accreditation Symbol, the items marked with "☆" are not within the accredited scope.

3. This report is invalid if it is altered, without the signature of the testing and approval personnel, or without the test report stamp.

4. The test data and results are only valid for the tested samples provided by the customer.

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6. Any objection shall be raised to the Testing Center within 30 days after receiving the report.

--END OF REPORT--