TEST REPORT

Applicant:	INFINIX MOBILITY LIMITED
Address:	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT, Hong Kong
Equipment Type:	Mobile Phone
Model Name:	X6885
Brand Name:	INFINIX
FCC ID:	2AIZN-X6885
Test Standard:	47 CFR Part 15 Subpart E (refer to section 3.1)
Sample Arrival Date:	Apr. 04, 2025
Test Date :	Apr. 10, 2025 - May 13, 2025
Date of Issue:	May 19, 2025

ISSUED BY:

Shanghai Tejet Communications Technology Co., Ltd. Testing Center

Prepared by: Zhang Rujie **Reviewed by:** Hai Su **Approved by:** Zhang Yanqing (Laboratory Manager)

Zhang Rujie Hai Su Zhang Yanqing

Revision History

Version	Issue Date	Revisions
Rev. 01	May 19, 2025	Initial Issue

TABLE OF CONTENTS

1 GENERAL INFORMATION 4
1.1 Test Laboratory 4
1.2 Test Location 4
2 PRODUCT INFORMATION 5
2.1 Applicant Information 5
2.2 Manufacturer Information 5
2.3 General Description for Equipment under Test (EUT) 5
2.4 Technical Information 6
2.5 Channel List 7
3 SUMMARY OF TEST RESULTS 10
3.1 Test Standards 10
3.2 Test Verdict 10
4 GENERAL TEST CONFIGURATIONS 11
4.1 Test Environments 11
4.2 Test Equipment List 11
4.3 Test Software List 11
4.4 Decision Rule 12
4.5 Measurement Uncertainty 12
4.6 Description of Test Setup 13
5 TEST ITEMS 16
5.1 RF Output Power 16
5.2 Emission Bandwidth and 6 dB Bandwidth 18
5.3 Power Spectral density (PSD) 19
5.4 Conducted Emission 20
5.5 Radiated Spurious Emissions and Band Edge (Restricted-band) 21

ANNEX A TEST RESULT 26
A.1 RF Output Power 26
A.2 Emission Bandwidth & 99% Bandwidth 29
A.3 6 dB Bandwidth 31
A.4 Power Spectral Density 32
A.5 Conducted Emission 34
A.6 Radiated Spurious Emissions and Band Edge (Restricted-band) 36
ANNEX B TEST SETUP PHOTOS 101
ANNEX C EUT EXTERNAL PHOTOS 101
ANNEX D EUT INTERNAL PHOTOS 101

1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shanghai Tejet Communications Technology Co., Ltd. Testing Center
Address	1-2/F., Building 1, No.222, Xuanlan Road, Xuanqiao, Pudong New District, Shanghai, China

1.2 Test Location

Name	Shanghai Tejet Communications Technology Co., Ltd. Testing Center
Location	1-2/F., Building 1, No.222, Xuanlan Road, Xuanqiao, Pudong New District, Shanghai, Chinacc
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	INFINIX MOBILITY LIMITED
Address	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT, Hong Kong

2.2 Manufacturer Information

Manufacturer	INFINIX MOBILITY LIMITED
Address	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT, Hong Kong

2.3 Factory Information

Factory	SHENZHEN TECNO TECHNOLOGY CO., LTD.
Address	101, Building 24, Waijing Industrial Park,Fumin Community, Fucheng Street, Longhua District, Shenzhen City, P.R. China

2.4 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	X6885
Series Model Name	N/A
Description of Model name differentiation	N/A
Sample Number	SC-SH2530133-S02(conducted) SC-SH2530133-S05(radiated)
Hardware Version	N/A
Software Version	N/A
Dimensions (Approx.)	163.67*75.87*6.85mm
Weight (Approx.)	N/A

2.5 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/1900 MHz 3G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network LTE FDD Band 2/4/5/7 LTE TDD Band 38/41 UL CA:CA_2C/CA_5B/CA_7C/CA_38C/CA_41C 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) GPS, GLONASS, BDS, Galileo, SBAS, FM receiver, NFC

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

Frequency Range	U-NII-1: 5150 MHz to 5250 MHz, U-NII-2A: 5250 MHz to 5350 MHz, U-NII-2C: 5470 MHz to 5725 MHz, U-NII-3: 5725 MHz to 5850 MHz
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: 11.77 dBm U-NII-2A: 11.39 dBm U-NII-2C: 11.48 dBm U-NII-3: 11.90 dBm
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	PIFA Antenna
Antenna Gain	U-NII-1: 5150 MHz to 5250 MHz: 0.38 dBi U-NII-2A: 5250 MHz to 5350 MHz: 0.38 dBi U-NII-2C: 5470 MHz to 5725 MHz: 0.38 dBi U-NII-3: 5725 MHz to 5850 MHz: 0.38 dBi
About the Product	The equipment is Mobile Phone, 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**	**155**	**5775**
52	**5260**	**102**	**5510**		
56	5280	110	5550		
60	**5300**	**151**	**5755**		
64	**5320**	**159**	**5795**		
100	**5500**				
104	5520				
108	5540				
112	5560				
116	**5580**				
136	5680				
140	**5700**				
149	**5745**				
153	5765				
157	**5785**				
161	5805				
165	**5825**				

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

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

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

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

For 802.11n(HT40)/ac(VHT40)

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

U-NII-2C (5150 - 5250 MHz)			U-NII-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
102	Low	5510	151	Low	5755
118	Mid	5590	159	High	5795
134	High	5670			

For 802.11ac(VHT80)

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

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

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

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

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

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

3.2 Test Verdict

No.	Description	FCC Part No.	RSS Part No.	Test Result	Verdict
1	Antenna Requirement	15.203	N/A	--	Pass[Note1]
2	RF Output Power	15.407(a)	N/A	ANNEX A.1	Pass
3	Emission Bandwidth & 99% Occupied Bandwidth	15.407(a)	N/A	ANNEX A.2	Pass
4	6 dB bandwidth	15.407(e)	N/A	ANNEX A.3	Pass
5	Power Spectral Density	15.407(a)	N/A	ANNEX A.4	Pass
6	Conducted Emission	15.207	N/A	ANNEX A.5	Pass
7	Radiated Spurious Emissions and Band Edge (Restricted-band)	15.407(b)	N/A	ANNEX A.6	Pass
Note [1]: The EUT has a permanently and irreplaceable attached antenna, which complies with the requirement FCC 15.203.					

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)	+22.0℃ to +23.9℃
Working Voltage of the EUT	NV (Normal Voltage)	3.92 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	KEYSIGHT	N9020A	MY54420147	2025.02.12	2026.02.11
Spectrum Analyzer	KEYSIGHT	N9010B	MY60240977	2025.02.12	2026.02.11
Signal Generator	Anritsu	MG3710E	6262063515	2025.02.12	2026.02.11
Wideband Radio Communication Tester	R&S	CMW500	168792	2025.02.11	2026.02.10
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	2025.02.12	2026.02.11
LISN	SCHWARZBECK	NSLK 8127	8127-940	2025.02.11	2026.02.10
10dB Limiter	SCHWARZBECK	VTSD 9561-F	9561-F N00409	2025.02.11	2026.02.10
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.

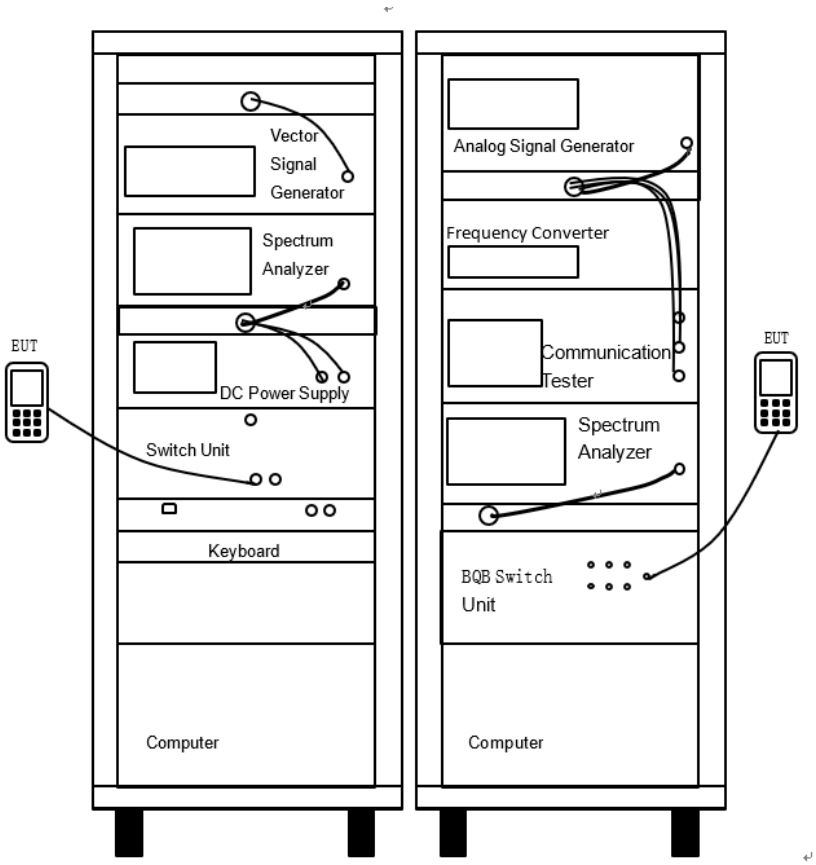
This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

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

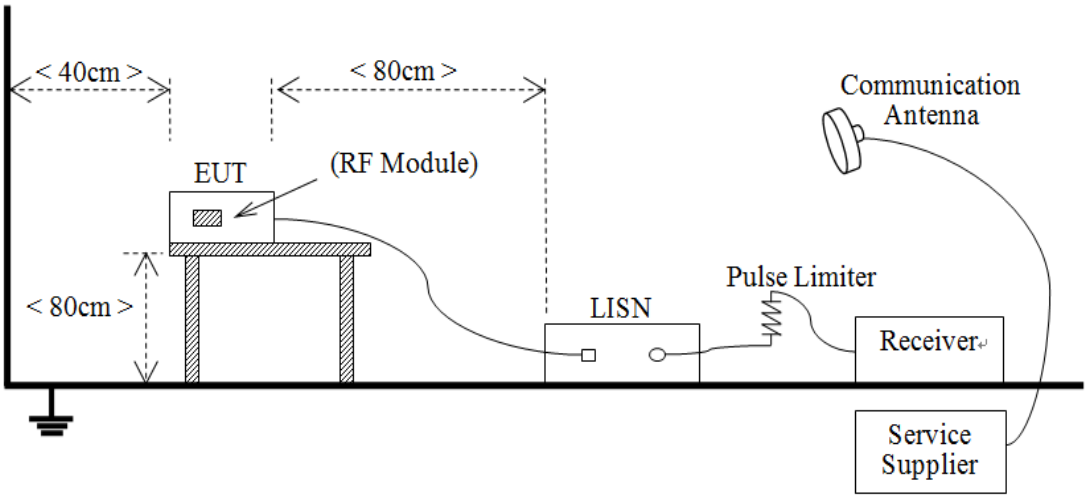
4.6.1 For Antenna Port Test

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



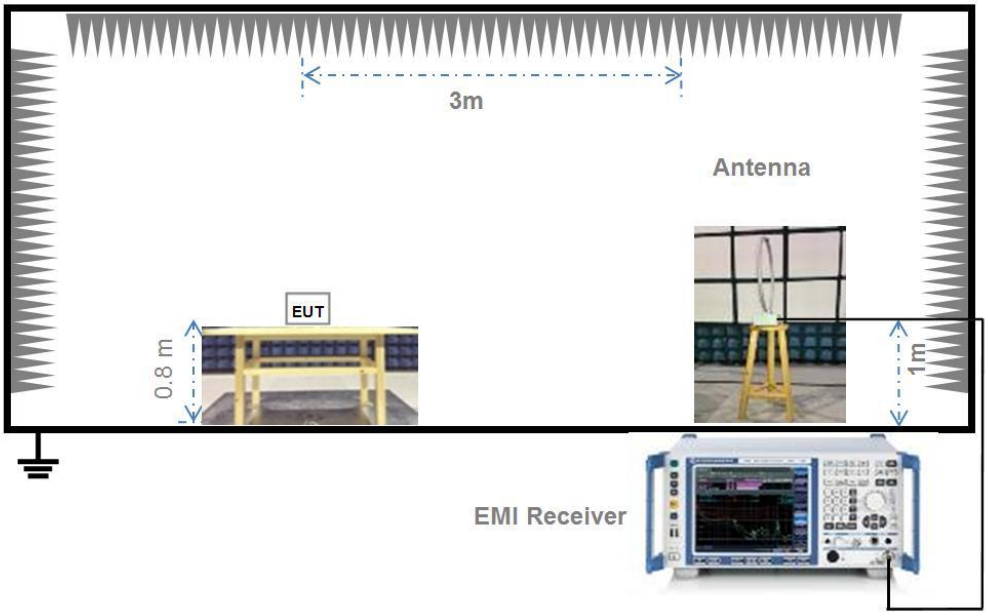
(Diagram 1)

4.6.2 For AC Power Supply Port Test



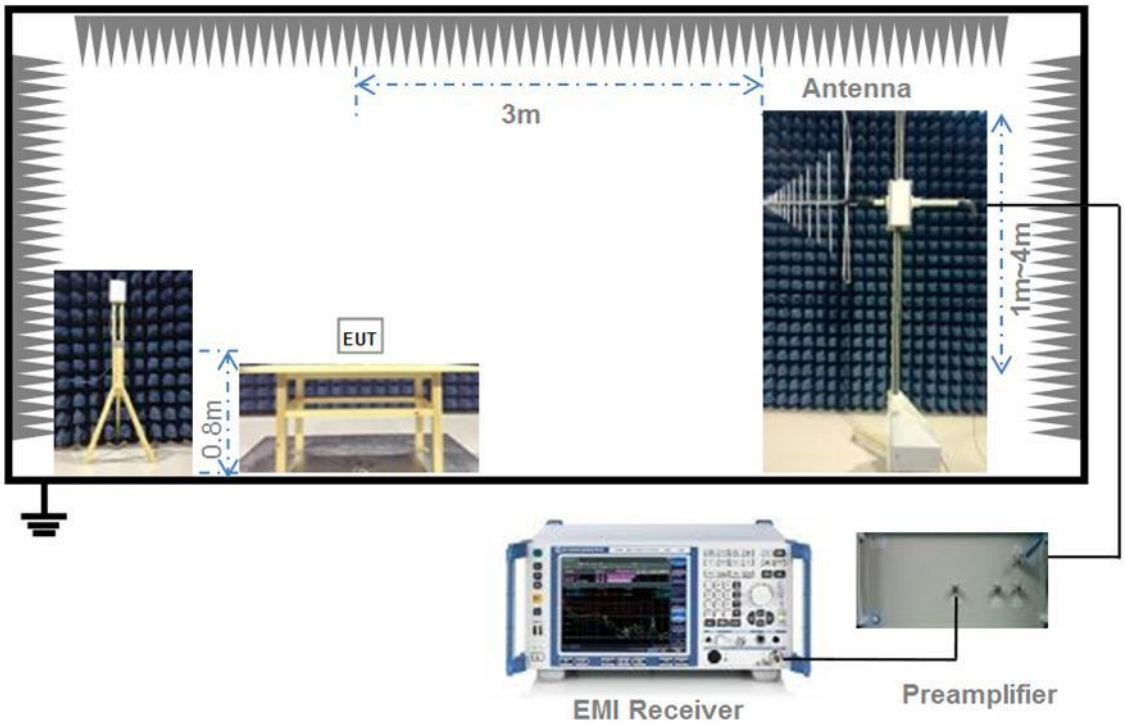
(Diagram 2)

4.6.3 For Radiated Test (Below 30 MHz)



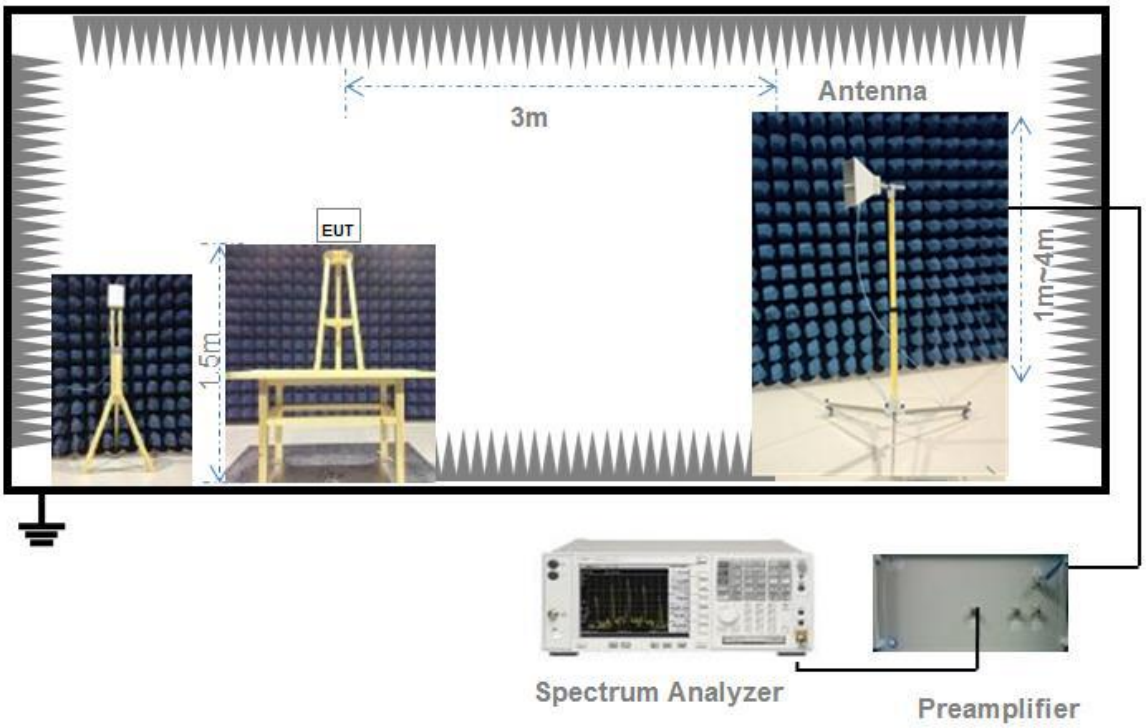
(Diagram 3)

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

RSS-247, 6.2

The maximum power spectral density should not exceed:

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

The e.i.r.p. spectral density should not exceed:

Frequency Band (MHz)	Limit
5150-5250	10 dBm/MHz
5250-5350	N/A
5470-5725	N/A
5725-5850	N/A

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.

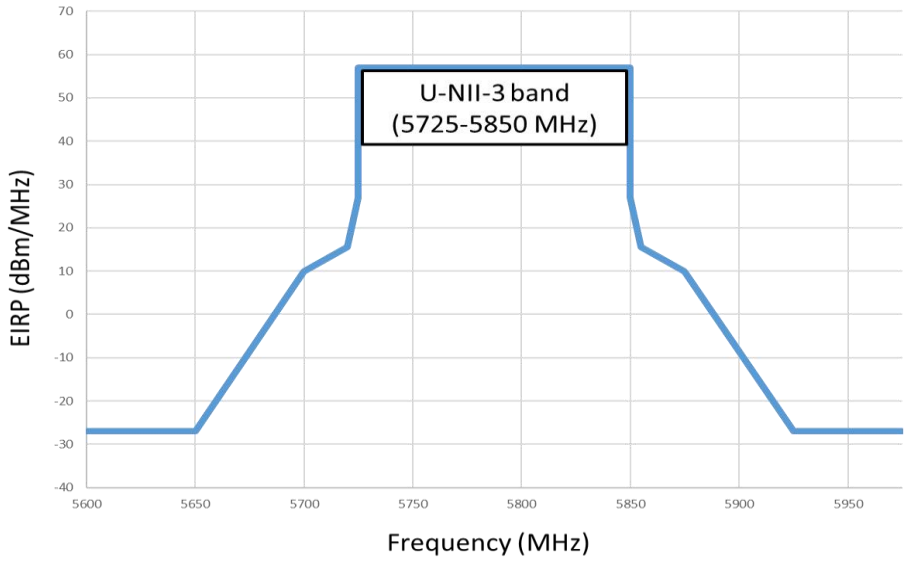
5.5 Radiated Spurious Emissions and Band Edge (Restricted-band)

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	1.39	1.43	97.34%
11n (HT20)	1.30	1.34	97.09%
11ac (VHT20)	1.30	1.34	97.09%
11n (HT40)	0.65	0.68	95.01%
11ac (VHT40)	0.65	0.68	95.01%
11ac (VHT80)	0.32	0.36	90.16%

Test Data

Conducted Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	11.60	14.45	250	Pass
11a	CH44	11.77	15.03	250	Pass
11a	CH48	11.15	13.03	250	Pass
11n (HT20)	CH36	11.54	14.26	250	Pass
11n (HT20)	CH44	11.21	13.21	250	Pass
11n (HT20)	CH48	11.10	12.88	250	Pass
11n (HT40)	CH38	11.64	14.59	250	Pass
11n (HT40)	CH46	11.29	13.46	250	Pass
11ac (VHT20)	CH36	11.67	14.69	250	Pass
11ac (VHT20)	CH44	11.30	13.49	250	Pass
11ac (VHT20)	CH48	11.17	13.09	250	Pass
11ac (VHT40)	CH38	11.62	14.52	250	Pass
11ac (VHT40)	CH46	11.30	13.49	250	Pass
11ac (VHT80)	CH42	11.38	13.74	250	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH52	11.28	13.43	250	Pass
11a	CH60	11.31	13.52	250	Pass
11a	CH64	11.39	13.77	250	Pass
11n (HT20)	CH52	11.04	12.71	250	Pass
11n (HT20)	CH60	11.06	12.76	250	Pass
11n (HT20)	CH64	11.15	13.03	250	Pass
11n (HT40)	CH54	11.13	12.97	250	Pass
11n (HT40)	CH62	11.24	13.30	250	Pass
11ac (VHT20)	CH52	11.06	12.76	250	Pass
11ac (VHT20)	CH60	11.02	12.65	250	Pass
11ac (VHT20)	CH64	11.06	12.76	250	Pass
11ac (VHT40)	CH54	11.04	12.71	250	Pass
11ac (VHT40)	CH62	11.15	13.03	250	Pass
11ac (VHT80)	CH58	10.95	12.45	250	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH100	11.48	14.06	250	Pass
11a	CH116	11.30	13.49	250	Pass
11a	CH140	11.29	13.46	250	Pass
11n (HT20)	CH100	11.37	13.71	250	Pass
11n (HT20)	CH116	11.22	13.24	250	Pass
11n (HT20)	CH140	11.17	13.09	250	Pass
11n (HT40)	CH102	11.39	13.77	250	Pass
11n (HT40)	CH118	11.38	13.74	250	Pass
11n (HT40)	CH134	11.34	13.61	250	Pass
11ac (VHT20)	CH100	11.34	13.61	250	Pass
11ac (VHT20)	CH116	11.27	13.40	250	Pass
11ac (VHT20)	CH140	11.21	13.21	250	Pass
11ac (VHT40)	CH102	11.42	13.87	250	Pass
11ac (VHT40)	CH118	11.39	13.77	250	Pass
11ac (VHT40)	CH134	11.37	13.71	250	Pass
11ac (VHT80)	CH106	11.30	13.49	250	Pass
11ac (VHT80)	CH122	11.43	13.90	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	11.62	14.52	1000	Pass
11a	CH157	11.90	15.49	1000	Pass
11a	CH165	11.79	15.10	1000	Pass
11n (HT20)	CH149	11.51	14.16	1000	Pass
11n (HT20)	CH157	11.63	14.55	1000	Pass
11n (HT20)	CH165	11.57	14.35	1000	Pass
11n (HT40)	CH151	11.61	14.49	1000	Pass
11n (HT40)	CH159	11.78	15.07	1000	Pass
11ac (VHT20)	CH149	11.38	13.74	1000	Pass
11ac (VHT20)	CH157	11.65	14.62	1000	Pass
11ac (VHT20)	CH165	11.61	14.49	1000	Pass
11ac (VHT40)	CH151	11.58	14.39	1000	Pass
11ac (VHT40)	CH159	11.74	14.93	1000	Pass
11ac (VHT80)	CH155	11.60	14.45	1000	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SH2530301-604 Data Part 1.pdf”.

Test Data

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	19.93	16.51
11a	CH44	20.26	16.50
11a	CH48	20.08	16.50
11n (HT20)	CH36	20.50	17.65
11n (HT20)	CH44	20.25	17.65
11n (HT20)	CH48	23.95	17.68
11n (HT40)	CH38	43.14	36.15
11n (HT40)	CH46	42.12	36.21
11ac (VHT20)	CH36	20.42	17.61
11ac (VHT20)	CH44	20.23	17.63
11ac (VHT20)	CH48	20.97	17.64
11ac (VHT40)	CH38	42.32	36.11
11ac (VHT40)	CH46	44.26	36.13
11ac (VHT80)	CH42	102.70	75.60

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	19.91	16.48
11a	CH60	20.05	16.49
11a	CH64	19.91	16.47
11n (HT20)	CH52	20.96	17.67
11n (HT20)	CH60	22.11	17.67
11n (HT20)	CH64	21.30	17.65
11n (HT40)	CH54	53.59	36.25
11n (HT40)	CH62	42.10	36.19
11ac (VHT20)	CH52	20.53	17.63
11ac (VHT20)	CH60	20.22	17.63
11ac (VHT20)	CH64	20.41	17.63
11ac (VHT40)	CH54	41.43	36.12
11ac (VHT40)	CH62	41.85	36.12
11ac (VHT80)	CH58	107.90	75.54

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	19.93	16.52
11a	CH116	19.86	16.48
11a	CH140	19.95	16.51
11n (HT20)	CH100	23.07	17.69
11n (HT20)	CH116	20.87	17.67
11n (HT20)	CH140	22.92	17.70
11n (HT40)	CH102	45.87	36.23
11n (HT40)	CH118	44.96	36.19
11n (HT40)	CH134	45.37	36.24
11ac (VHT20)	CH100	21.40	17.68
11ac (VHT20)	CH116	22.75	17.67
11ac (VHT20)	CH140	22.71	17.66
11ac (VHT40)	CH102	41.76	36.11
11ac (VHT40)	CH118	49.14	36.14
11ac (VHT40)	CH134	45.59	36.15
11ac (VHT80)	CH106	114.80	75.61
11ac (VHT80)	CH122	100.70	75.63

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	20.49	16.53
11a	CH157	20.05	16.55
11a	CH165	22.31	16.55
11n (HT20)	CH149	21.72	17.68
11n (HT20)	CH157	22.86	17.67
11n (HT20)	CH165	24.94	17.72
11n (HT40)	CH151	60.44	36.27
11n (HT40)	CH159	56.54	36.23
11ac (VHT20)	CH149	22.98	17.70
11ac (VHT20)	CH157	22.23	17.69
11ac (VHT20)	CH165	21.72	17.65
11ac (VHT40)	CH151	47.29	36.18
11ac (VHT40)	CH159	47.98	36.17
11ac (VHT80)	CH155	117.10	75.66

A.3 6 dB Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SH2530301-604 Data Part 2.pdf”.

Test Data

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	15.30	500.00	Pass
11a	CH157	15.20	500.00	Pass
11a	CH165	15.50	500.00	Pass
11n (HT20)	CH149	15.30	500.00	Pass
11n (HT20)	CH157	15.30	500.00	Pass
11n (HT20)	CH165	15.30	500.00	Pass
11n (HT40)	CH151	35.30	500.00	Pass
11n (HT40)	CH159	35.30	500.00	Pass
11ac (VHT20)	CH149	15.40	500.00	Pass
11ac (VHT20)	CH157	15.30	500.00	Pass
11ac (VHT20)	CH165	15.30	500.00	Pass
11ac (VHT40)	CH151	35.30	500.00	Pass
11ac (VHT40)	CH159	35.30	500.00	Pass
11ac (VHT80)	CH155	75.40	500.00	Pass

A.4 Power Spectral Density

Note [1]: Test plots please refer to the document “Annex No.: BL-SH2530301-604 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.
Test Data

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH36	0.90	11.00	Pass
11a	CH44	0.89	11.00	Pass
11a	CH48	1.08	11.00	Pass
11n (HT20)	CH36	0.53	11.00	Pass
11n (HT20)	CH44	0.61	11.00	Pass
11n (HT20)	CH48	0.68	11.00	Pass
11n (HT40)	CH38	-2.34	11.00	Pass
11n (HT40)	CH46	-2.31	11.00	Pass
11ac (VHT20)	CH36	0.59	11.00	Pass
11ac (VHT20)	CH44	0.51	11.00	Pass
11ac (VHT20)	CH48	0.65	11.00	Pass
11ac (VHT40)	CH38	-2.31	11.00	Pass
11ac (VHT40)	CH46	-2.33	11.00	Pass
11ac (VHT80)	CH42	-5.53	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH52	0.99	11.00	Pass
11a	CH60	1.13	11.00	Pass
11a	CH64	1.08	11.00	Pass
11n (HT20)	CH52	0.80	11.00	Pass
11n (HT20)	CH60	0.84	11.00	Pass
11n (HT20)	CH64	0.82	11.00	Pass
11n (HT40)	CH54	-2.11	11.00	Pass
11n (HT40)	CH62	-2.13	11.00	Pass
11ac (VHT20)	CH52	0.78	11.00	Pass
11ac (VHT20)	CH60	0.74	11.00	Pass
11ac (VHT20)	CH64	0.74	11.00	Pass
11ac (VHT40)	CH54	-2.11	11.00	Pass
11ac (VHT40)	CH62	-2.11	11.00	Pass
11ac (VHT80)	CH58	-5.15	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH100	0.98	11.00	Pass
11a	CH116	0.76	11.00	Pass
11a	CH140	0.45	11.00	Pass
11n (HT20)	CH100	0.62	11.00	Pass
11n (HT20)	CH116	0.60	11.00	Pass
11n (HT20)	CH140	0.28	11.00	Pass
11n (HT40)	CH102	-2.15	11.00	Pass
11n (HT40)	CH118	-2.35	11.00	Pass
11n (HT40)	CH134	-2.71	11.00	Pass
11ac (VHT20)	CH100	0.84	11.00	Pass
11ac (VHT20)	CH116	0.52	11.00	Pass
11ac (VHT20)	CH140	0.33	11.00	Pass
11ac (VHT40)	CH102	-2.64	11.00	Pass
11ac (VHT40)	CH118	-2.37	11.00	Pass
11ac (VHT40)	CH134	-2.68	11.00	Pass
11ac (VHT80)	CH106	-5.39	11.00	Pass
11ac (VHT80)	CH122	-5.23	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	-1.75	30.00	Pass
11a	CH157	-1.75	30.00	Pass
11a	CH165	-1.98	30.00	Pass
11n (HT20)	CH149	-2.01	30.00	Pass
11n (HT20)	CH157	-2.03	30.00	Pass
11n (HT20)	CH165	-2.31	30.00	Pass
11n (HT40)	CH151	-4.90	30.00	Pass
11n (HT40)	CH159	-5.14	30.00	Pass
11ac (VHT20)	CH149	-1.99	30.00	Pass
11ac (VHT20)	CH157	-2.06	30.00	Pass
11ac (VHT20)	CH165	-2.28	30.00	Pass
11ac (VHT40)	CH151	-4.93	30.00	Pass
11ac (VHT40)	CH159	-5.25	30.00	Pass
11ac (VHT80)	CH155	-7.96	30.00	Pass

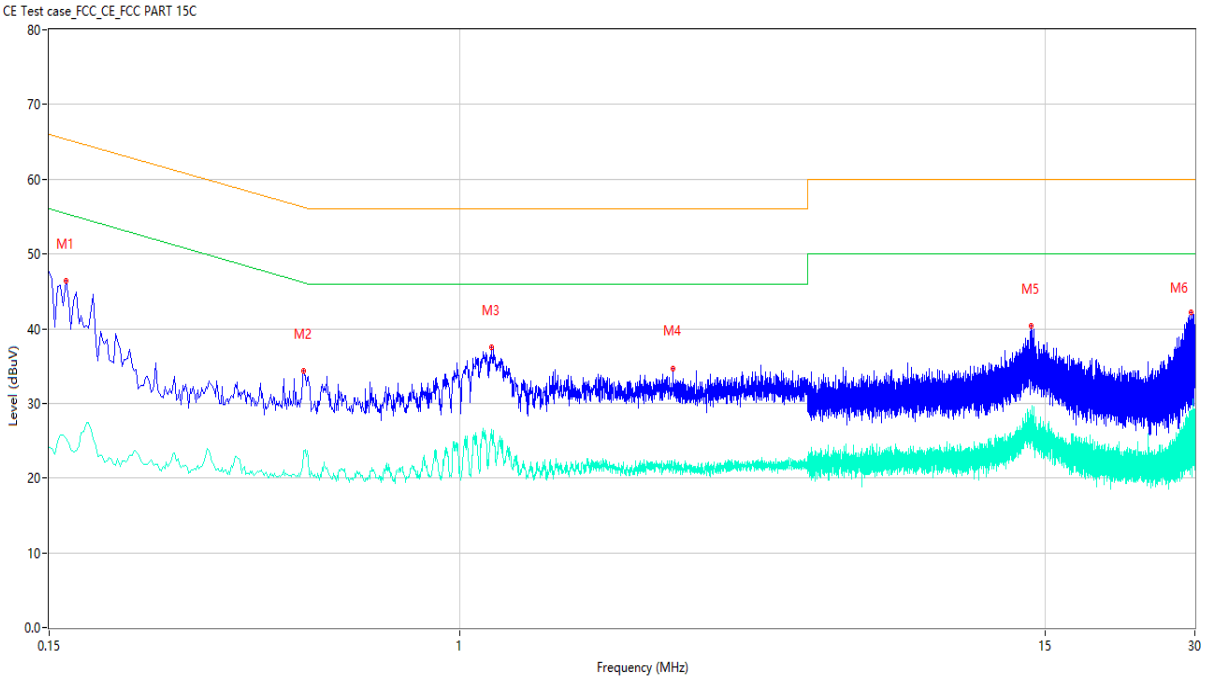
A.5 Conducted Emission

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.

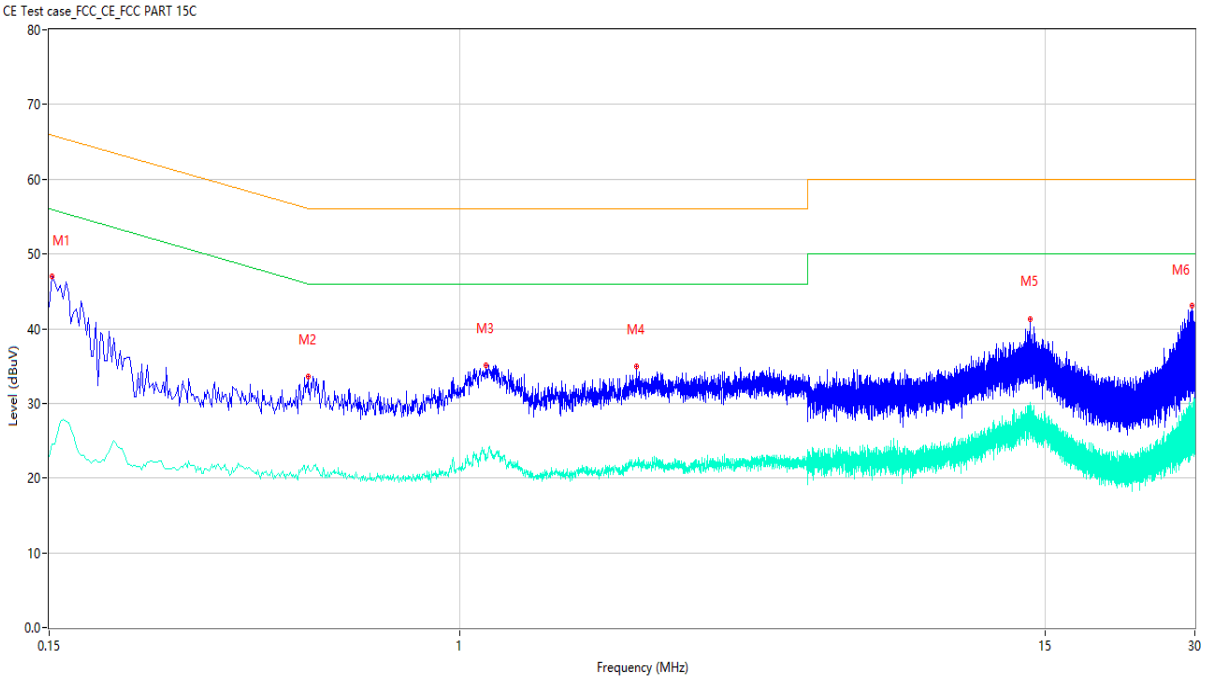
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.162	46.35	9.82	65.36	19.01	Peak	L	Pass
1**	0.162	25.33	9.82	55.36	30.03	AV	L	Pass
2	0.486	34.31	9.77	56.24	21.93	Peak	L	Pass
2**	0.486	23.59	9.77	46.24	22.65	AV	L	Pass
3	1.160	37.56	9.77	56.00	18.44	Peak	L	Pass
3**	1.160	25.30	9.77	46.00	20.70	AV	L	Pass
4	2.690	34.72	9.64	56.00	21.28	Peak	L	Pass
4**	2.690	21.53	9.64	46.00	24.47	AV	L	Pass
5	14.054	40.37	8.97	60.00	19.63	Peak	L	Pass
5**	14.054	28.45	8.97	50.00	21.55	AV	L	Pass
6	29.472	42.17	8.45	60.00	17.83	Peak	L	Pass
6**	29.472	27.65	8.45	50.00	22.35	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.152	46.98	9.73	65.89	18.91	Peak	N	Pass
1**	0.152	24.63	9.73	55.89	31.26	AV	N	Pass
2	0.496	33.58	9.75	56.07	22.49	Peak	N	Pass
2**	0.496	21.70	9.75	46.07	24.37	AV	N	Pass
3	1.132	35.10	9.73	56.00	20.90	Peak	N	Pass
3**	1.132	23.14	9.73	46.00	22.86	AV	N	Pass
4	2.268	34.90	9.75	56.00	21.10	Peak	N	Pass
4**	2.268	22.02	9.75	46.00	23.98	AV	N	Pass
5	13.992	41.35	9.02	60.00	18.65	Peak	N	Pass
5**	13.992	29.62	9.02	50.00	20.38	AV	N	Pass
6	29.622	43.13	8.51	60.00	16.87	Peak	N	Pass
6**	29.622	28.19	8.51	50.00	21.81	AV	N	Pass

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

A.6.1 Radiated Spurious Emissions

Test Data

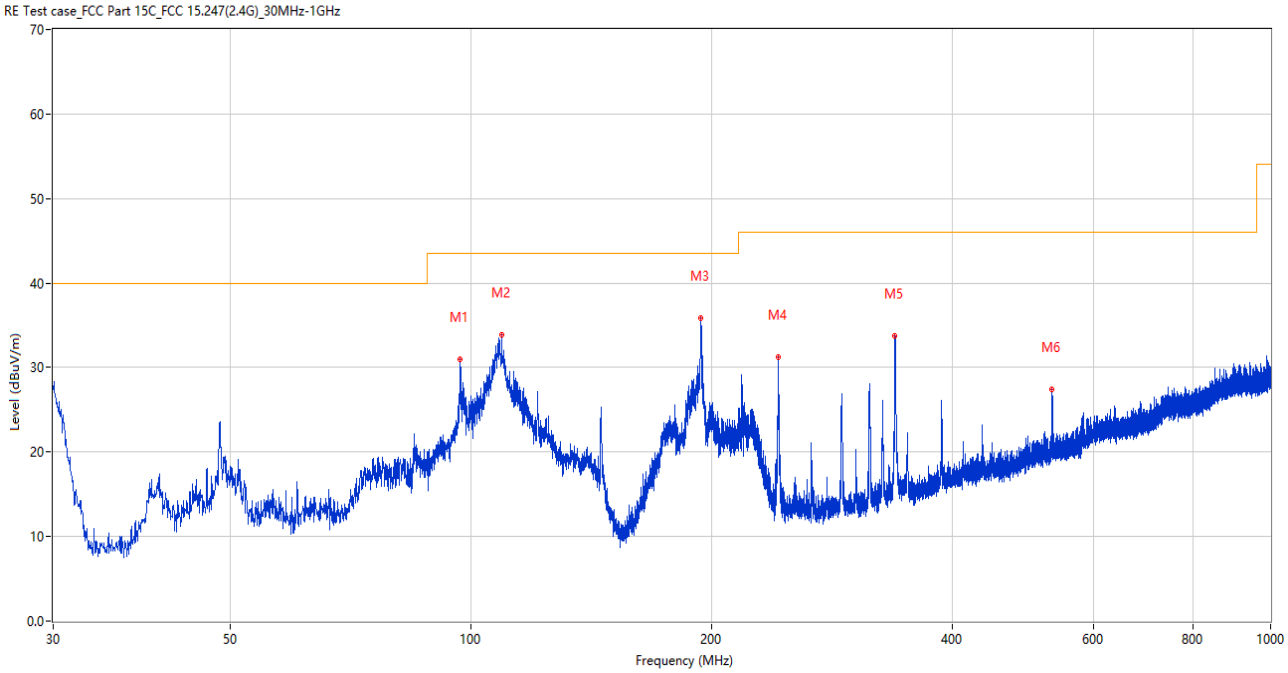
Note 1: The symbol of "--" in the table which means not application.

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.

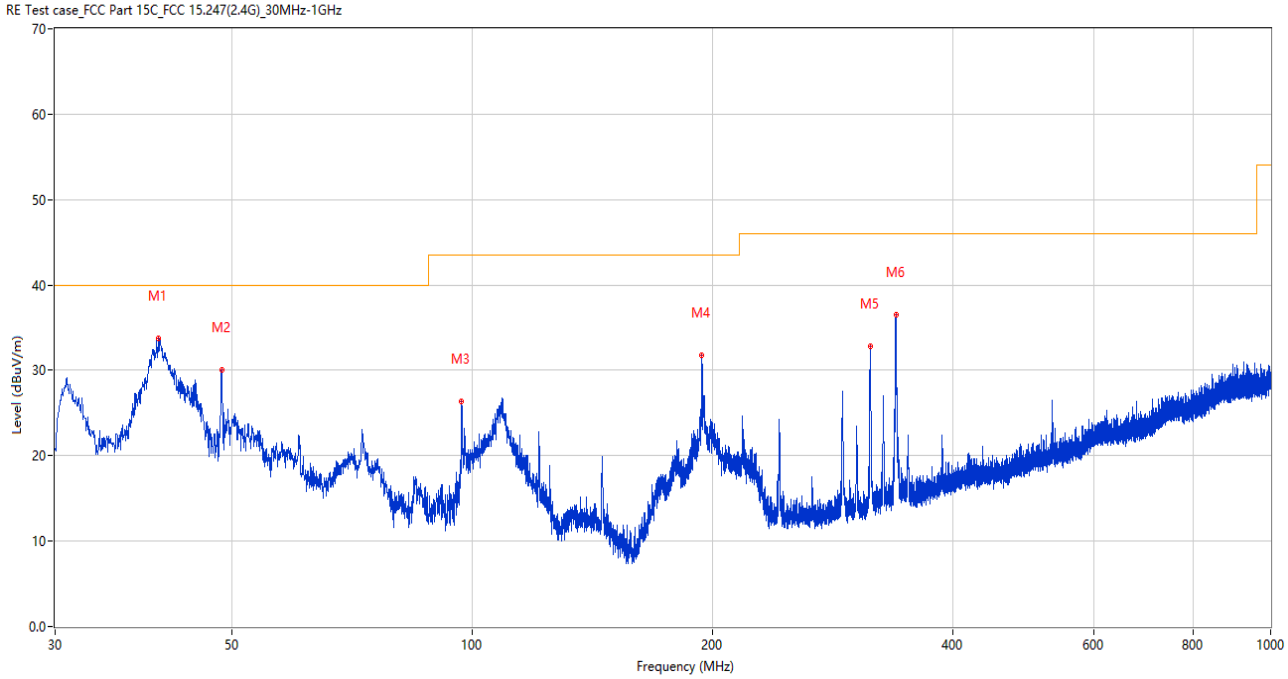
Note 4: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.

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	96.833	30.96	-26.39	43.5	12.54	Peak	234.00	200	Horizontal	Pass
2	109.201	33.89	-26.53	43.5	9.61	Peak	234.00	200	Horizontal	Pass
3	193.784	35.89	-25.72	43.5	7.61	Peak	52.00	100	Horizontal	Pass
4	242.188	31.23	-24.34	46.0	14.77	Peak	76.00	200	Horizontal	Pass
5	338.994	33.74	-22.01	46.0	12.26	Peak	289.00	200	Horizontal	Pass
6	532.751	27.48	-17.36	46.0	18.52	Peak	131.00	200	Horizontal	Pass

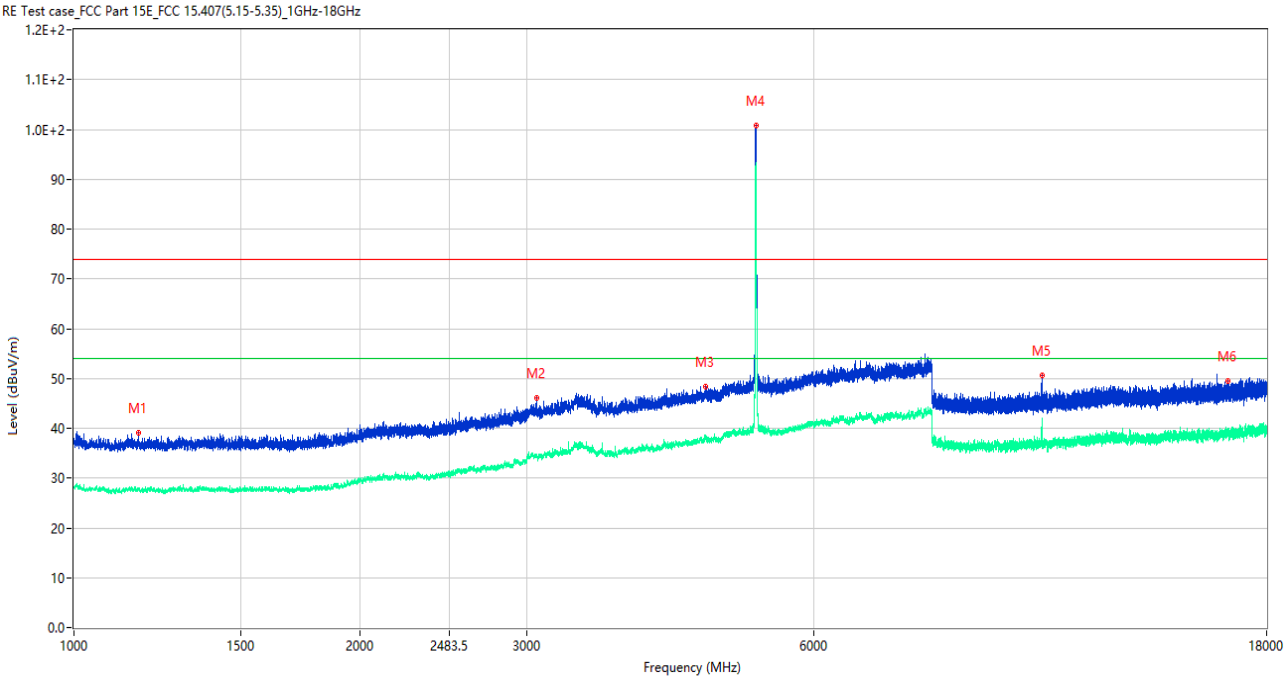
30 MHz to 1 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	40.428	33.70	-25.79	40.0	6.30	Peak	231.00	100	Vertical	Pass
2	48.478	30.04	-24.51	40.0	9.96	Peak	200.00	100	Vertical	Pass
3	96.930	26.40	-26.37	43.5	17.10	Peak	301.00	100	Vertical	Pass
4	193.784	31.75	-25.72	43.5	11.75	Peak	360.00	200	Vertical	Pass
5	314.889	32.81	-22.99	46.0	13.19	Peak	78.00	100	Vertical	Pass
6	339.139	36.49	-21.99	46.0	9.51	Peak	72.00	100	Vertical	Pass

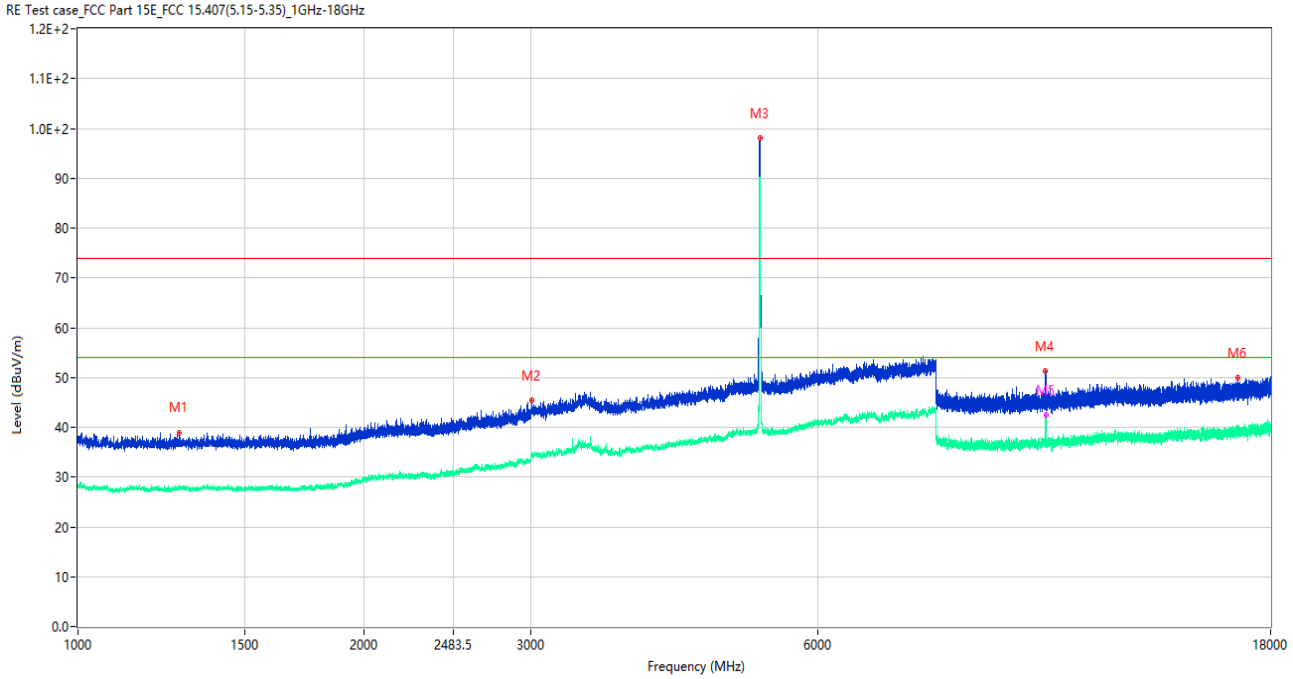
Note: The spurious above 18G is noise only, do not show on the report.

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



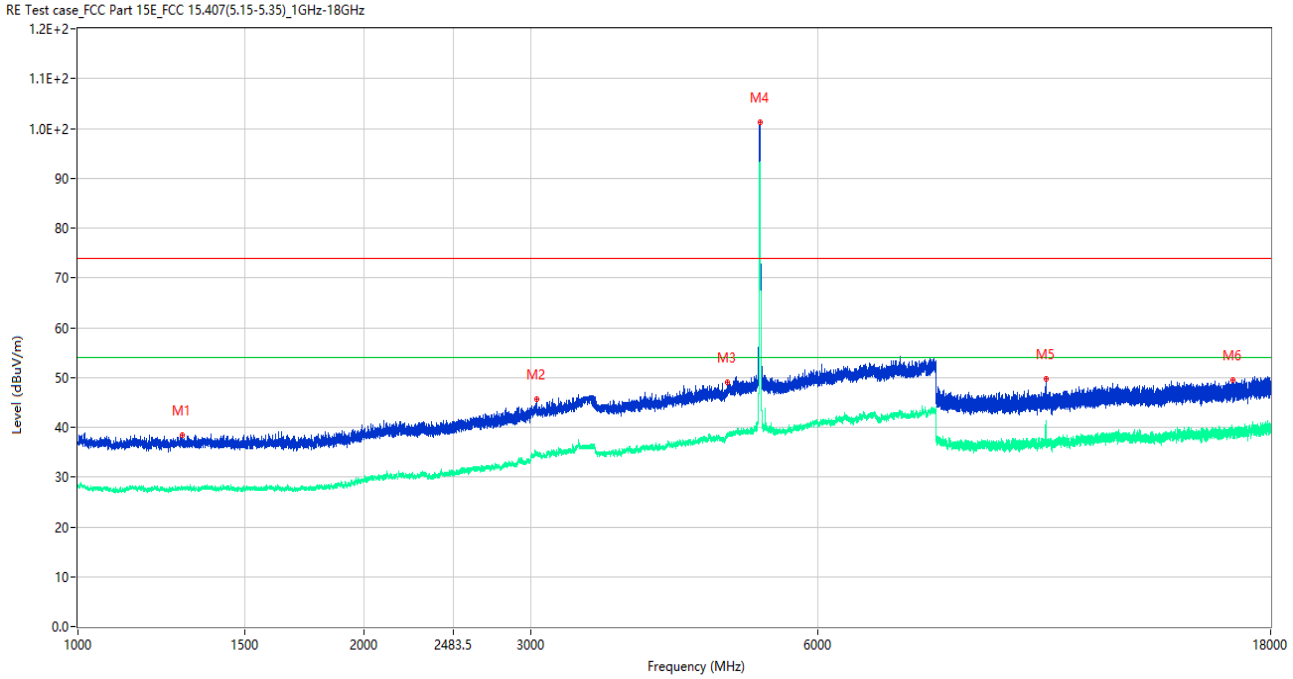
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1168.500	39.00	-15.49	74.0	35.00	Peak	358.00	150	Horizontal	Pass
1**	1168.500	28.09	-15.49	54.0	25.91	AV	358.00	150	Horizontal	Pass
2	3066.500	46.19	-7.58	74.0	27.81	Peak	150.00	150	Horizontal	Pass
2**	3066.500	34.57	-7.58	54.0	19.43	AV	150.00	150	Horizontal	Pass
3	4626.500	48.38	-2.61	74.0	25.62	Peak	360.00	150	Horizontal	Pass
3**	4626.500	38.13	-2.61	54.0	15.87	AV	360.00	150	Horizontal	Pass
4	5219.000	100.70	-2.36	74.0	-26.70	Peak	169.00	150	Horizontal	N/A
4**	5219.000	92.95	-2.36	54.0	-38.95	AV	169.00	150	Horizontal	N/A
5	10439.363	50.56	-3.46	74.0	23.44	Peak	96.00	150	Horizontal	Pass
5**	10439.363	40.39	-3.46	54.0	13.61	AV	96.00	150	Horizontal	Pass
6	16381.688	49.51	-1.31	74.0	24.49	Peak	360.00	150	Horizontal	Pass
6**	16381.688	39.13	-1.31	54.0	14.87	AV	360.00	150	Horizontal	Pass

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



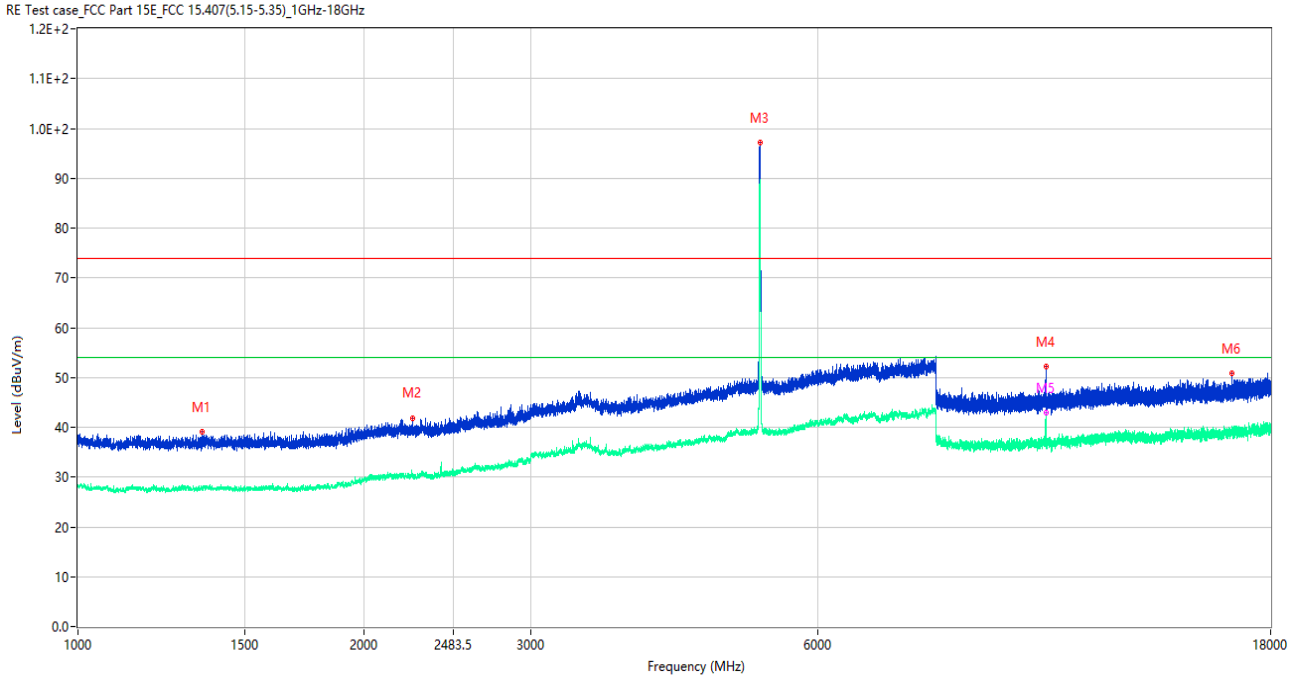
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1279.500	38.98	-15.87	74.0	35.02	Peak	0.00	150	Vertical	Pass
1**	1279.500	27.57	-15.87	54.0	26.43	AV	0.00	150	Vertical	Pass
2	3007.000	45.36	-8.15	74.0	28.64	Peak	301.00	150	Vertical	Pass
2**	3007.000	34.21	-8.15	54.0	19.79	AV	301.00	150	Vertical	Pass
3	5218.500	98.04	-2.37	74.0	-24.04	Peak	142.00	150	Vertical	N/A
3**	5218.500	89.90	-2.37	54.0	-35.90	AV	142.00	150	Vertical	N/A
4	10434.138	51.24	-3.40	74.0	22.76	Peak	240.00	150	Vertical	Pass
4**	10434.138	39.93	-3.40	54.0	14.07	AV	240.00	150	Vertical	Pass
5	10441.263	49.63	-3.32	74.0	24.37	Peak	26.00	150	Vertical	Pass
5**	10441.263	42.52	-3.32	54.0	11.48	AV	26.00	150	Vertical	Pass
6	16620.037	50.00	-1.05	74.0	24.00	Peak	360.00	150	Vertical	Pass
6**	16620.037	38.88	-1.05	54.0	15.12	AV	360.00	150	Vertical	Pass

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



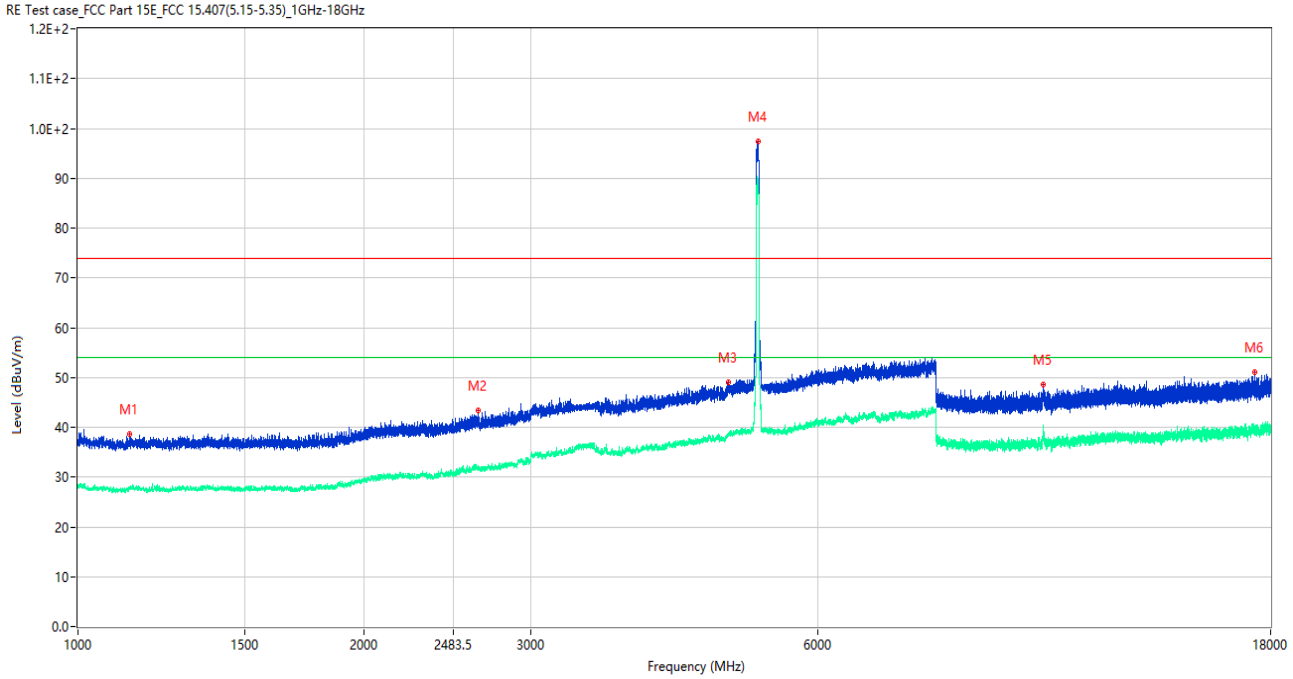
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1288.000	38.41	-15.94	74.0	35.59	Peak	205.00	150	Horizontal	Pass
1**	1288.000	27.74	-15.94	54.0	26.26	AV	205.00	150	Horizontal	Pass
2	3037.500	45.74	-8.08	74.0	28.26	Peak	16.00	150	Horizontal	Pass
2**	3037.500	35.10	-8.08	54.0	18.90	AV	16.00	150	Horizontal	Pass
3	4826.500	49.06	-2.52	74.0	24.94	Peak	271.00	150	Horizontal	Pass
3**	4826.500	38.55	-2.52	54.0	15.45	AV	271.00	150	Horizontal	Pass
4	5218.500	101.20	-2.37	74.0	-27.20	Peak	154.00	150	Horizontal	N/A
4**	5218.500	92.94	-2.37	54.0	-38.94	AV	154.00	150	Horizontal	N/A
5	10440.313	49.67	-3.40	74.0	24.33	Peak	143.00	150	Horizontal	Pass
5**	10440.313	39.97	-3.40	54.0	14.03	AV	143.00	150	Horizontal	Pass
6	16412.926	49.39	-1.54	74.0	24.61	Peak	175.00	150	Horizontal	Pass
6**	16412.926	39.17	-1.54	54.0	14.83	AV	175.00	150	Horizontal	Pass

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



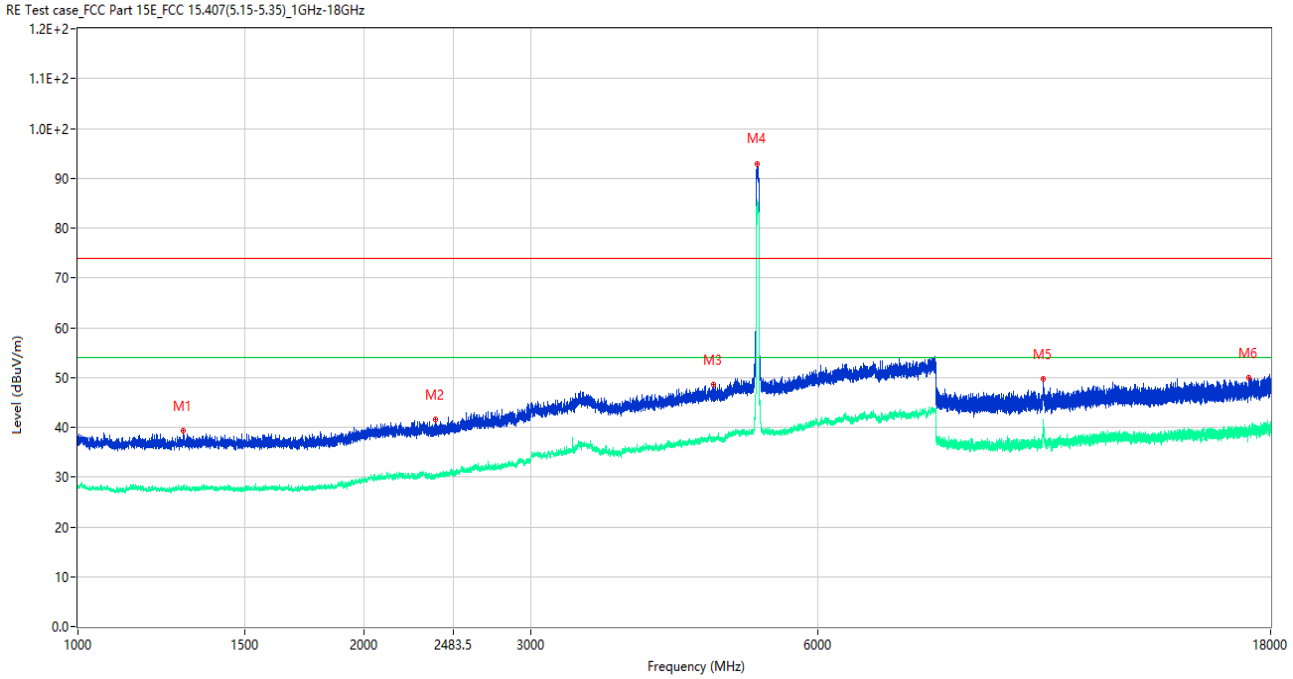
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1352.000	39.03	-15.91	74.0	34.97	Peak	210.00	150	Vertical	Pass
1**	1352.000	27.98	-15.91	54.0	26.02	AV	210.00	150	Vertical	Pass
2	2250.250	41.91	-12.90	74.0	32.09	Peak	38.00	150	Vertical	Pass
2**	2250.250	29.89	-12.90	54.0	24.11	AV	38.00	150	Vertical	Pass
3	5221.500	97.16	-2.37	74.0	-23.16	Peak	131.00	150	Vertical	N/A
3**	5221.500	89.32	-2.37	54.0	-35.32	AV	131.00	150	Vertical	N/A
4	10440.549	52.09	-3.38	74.0	21.91	Peak	50.00	150	Vertical	Pass
4**	10440.549	42.22	-3.38	54.0	11.78	AV	50.00	150	Vertical	Pass
5	10440.075	49.26	-3.42	74.0	24.74	Peak	237.00	150	Vertical	Pass
5**	10440.075	43.00	-3.42	54.0	11.00	AV	237.00	150	Vertical	Pass
6	16397.699	50.82	-1.33	74.0	23.18	Peak	345.00	150	Vertical	Pass
6**	16397.699	39.41	-1.33	54.0	14.59	AV	345.00	150	Vertical	Pass

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



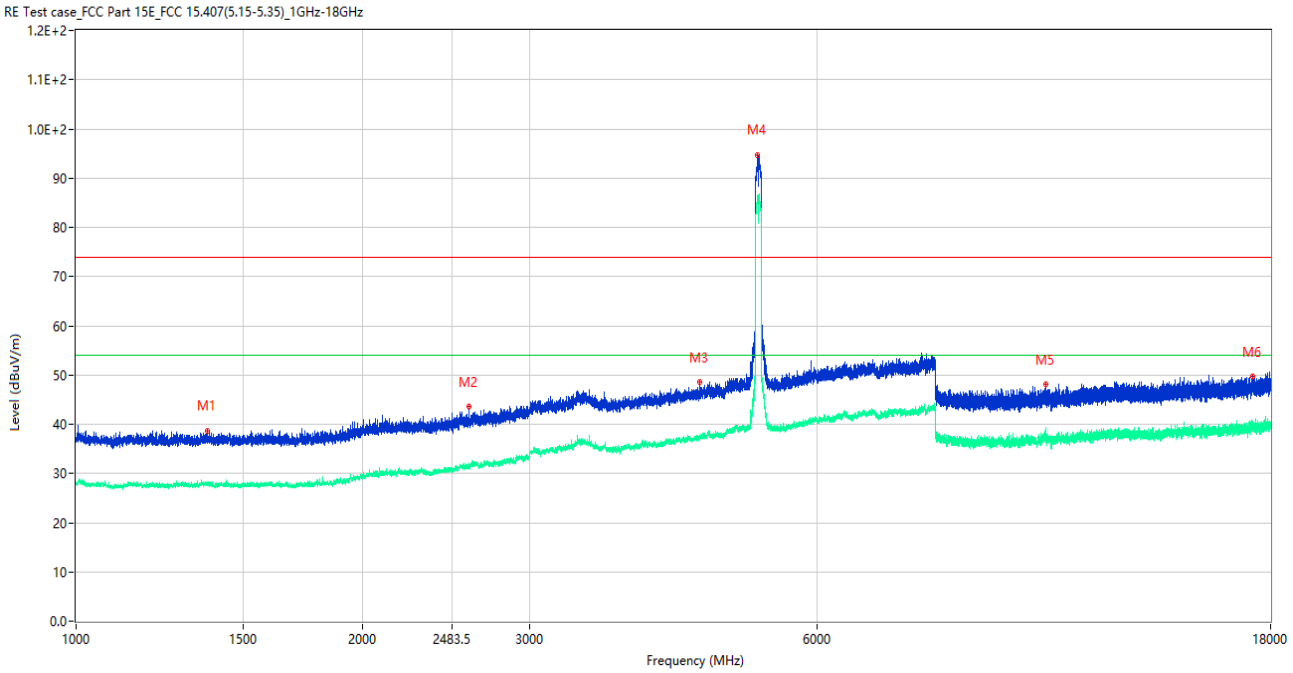
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1134.250	38.58	-15.55	74.0	35.42	Peak	212.00	150	Horizontal	Pass
1**	1134.250	27.95	-15.55	54.0	26.05	AV	212.00	150	Horizontal	Pass
2	2634.750	43.36	-9.95	74.0	30.64	Peak	109.00	150	Horizontal	Pass
2**	2634.750	32.06	-9.95	54.0	21.94	AV	109.00	150	Horizontal	Pass
3	4831.500	49.02	-2.37	74.0	24.98	Peak	360.00	150	Horizontal	Pass
3**	4831.500	38.22	-2.37	54.0	15.78	AV	360.00	150	Horizontal	Pass
4	5194.000	97.47	-2.31	74.0	-23.47	Peak	157.00	150	Horizontal	N/A
4**	5194.000	89.77	-2.31	54.0	-35.77	AV	157.00	150	Horizontal	N/A
5	10385.212	48.60	-3.36	74.0	25.40	Peak	261.00	150	Horizontal	Pass
5**	10385.212	39.17	-3.36	54.0	14.83	AV	261.00	150	Horizontal	Pass
6	17324.063	50.99	-0.66	74.0	23.01	Peak	313.00	150	Horizontal	Pass
6**	17324.063	39.03	-0.66	54.0	14.97	AV	313.00	150	Horizontal	Pass

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



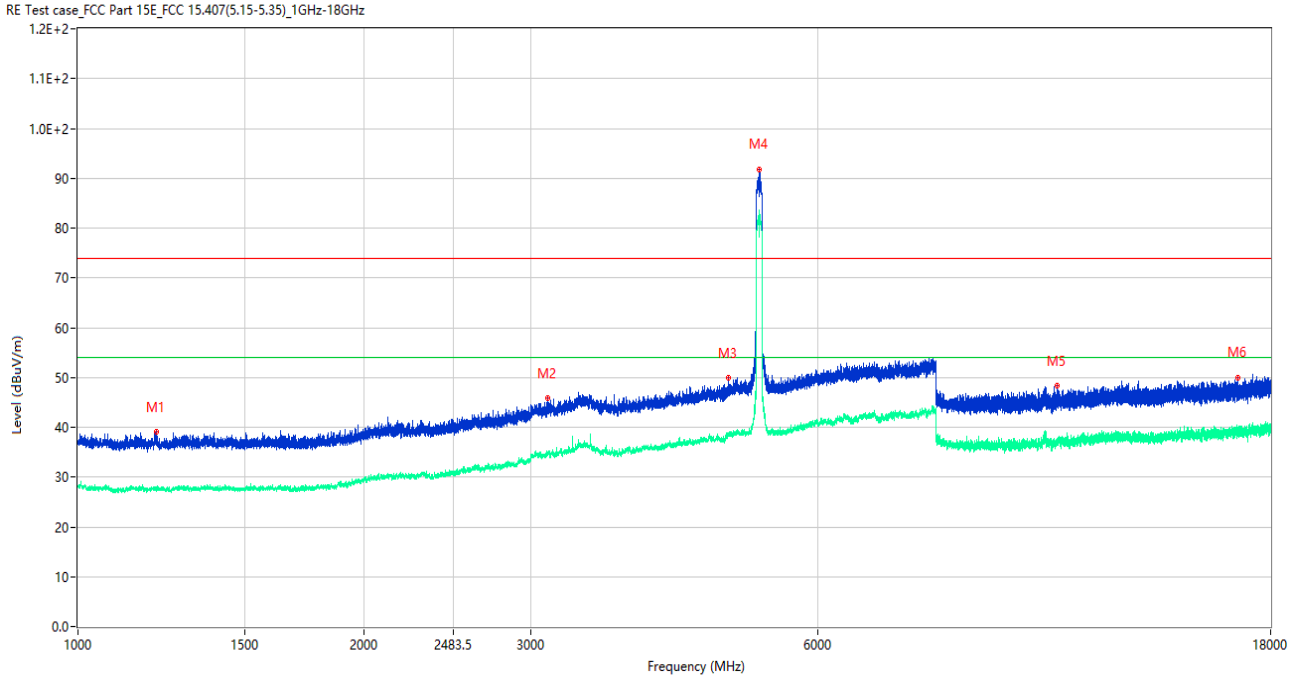
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1291.000	39.25	-15.83	74.0	34.75	Peak	0.00	150	Vertical	Pass
1**	1291.000	27.88	-15.83	54.0	26.12	AV	0.00	150	Vertical	Pass
2	2380.000	41.47	-11.95	74.0	32.53	Peak	190.00	150	Vertical	Pass
2**	2380.000	30.05	-11.95	54.0	23.95	AV	190.00	150	Vertical	Pass
3	4671.000	48.57	-3.60	74.0	25.43	Peak	169.00	150	Vertical	Pass
3**	4671.000	37.24	-3.60	54.0	16.76	AV	169.00	150	Vertical	Pass
4	5188.000	92.99	-2.32	74.0	-18.99	Peak	160.00	150	Vertical	N/A
4**	5188.000	85.35	-2.32	54.0	-31.35	AV	160.00	150	Vertical	N/A
5	10379.750	49.71	-3.39	74.0	24.29	Peak	216.00	150	Vertical	Pass
5**	10379.750	39.85	-3.39	54.0	14.15	AV	216.00	150	Vertical	Pass
6	17091.750	49.93	-0.67	74.0	24.07	Peak	280.00	150	Vertical	Pass
6**	17091.750	39.90	-0.67	54.0	14.10	AV	280.00	150	Vertical	Pass

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



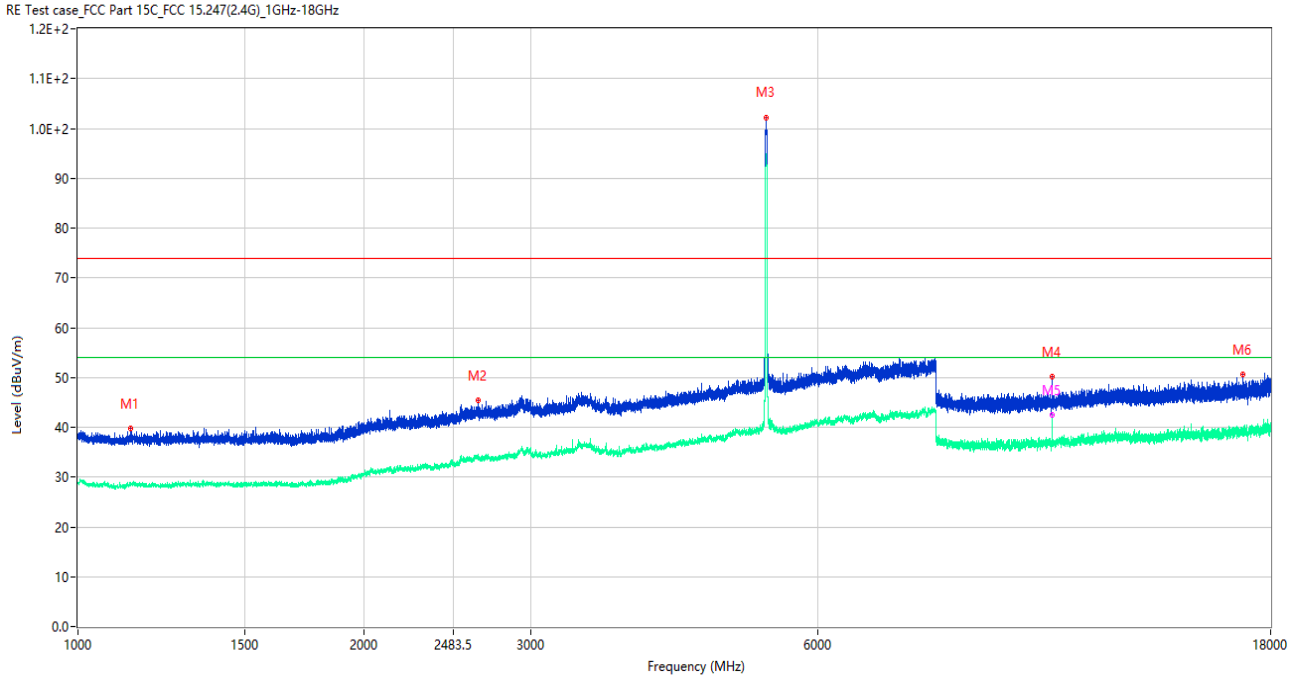
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1373.250	38.74	-15.98	74.0	35.26	Peak	236.00	150	Horizontal	Pass
1**	1373.250	27.77	-15.98	54.0	26.23	AV	236.00	150	Horizontal	Pass
2	2587.250	43.53	-10.56	74.0	30.47	Peak	147.00	150	Horizontal	Pass
2**	2587.250	31.38	-10.56	54.0	22.62	AV	147.00	150	Horizontal	Pass
3	4526.500	48.57	-2.41	74.0	25.43	Peak	301.00	150	Horizontal	Pass
3**	4526.500	37.29	-2.41	54.0	16.71	AV	301.00	150	Horizontal	Pass
4	5203.500	94.80	-2.39	74.0	-20.80	Peak	191.00	150	Horizontal	N/A
4**	5203.500	86.21	-2.39	54.0	-32.21	AV	191.00	150	Horizontal	N/A
5	10441.500	48.06	-3.32	74.0	25.94	Peak	288.00	150	Horizontal	Pass
5**	10441.500	38.38	-3.32	54.0	15.62	AV	288.00	150	Horizontal	Pass
6	17232.714	49.77	-0.44	74.0	24.23	Peak	346.00	150	Horizontal	Pass
6**	17232.714	38.89	-0.44	54.0	15.11	AV	346.00	150	Horizontal	Pass

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



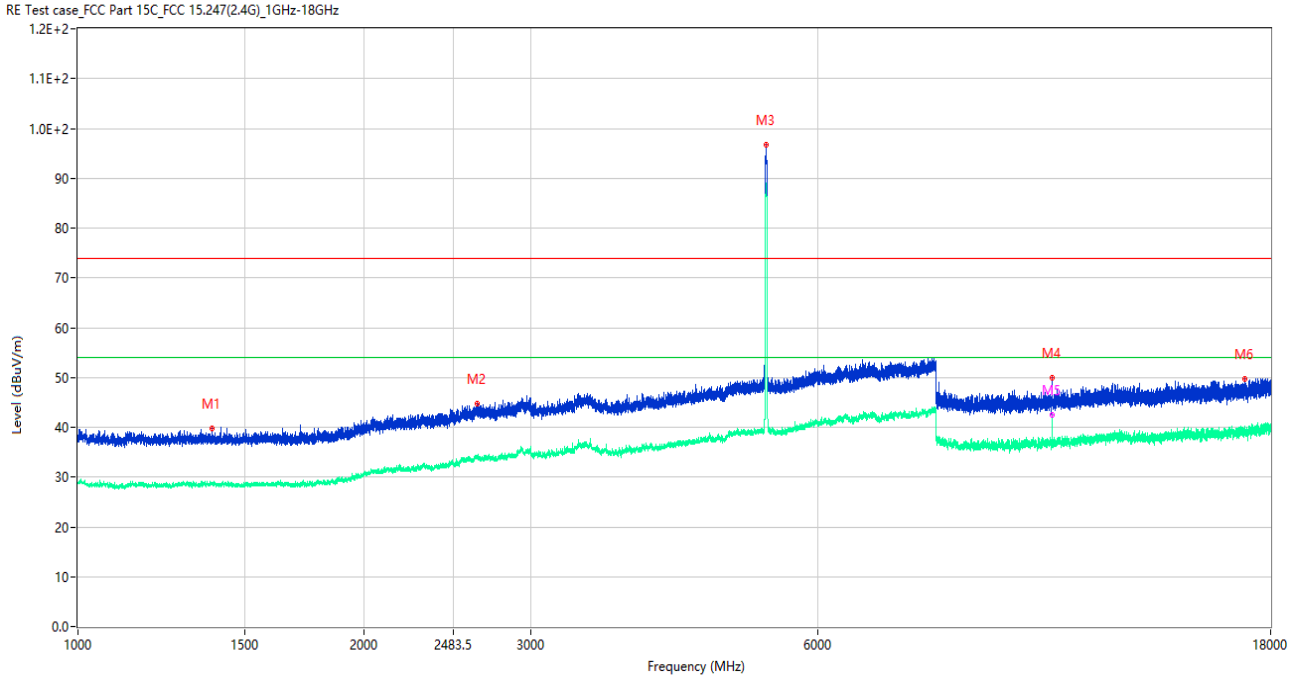
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1208.500	39.18	-15.86	74.0	34.82	Peak	200.00	150	Vertical	Pass
1**	1208.500	27.43	-15.86	54.0	26.57	AV	200.00	150	Vertical	Pass
2	3123.000	45.81	-7.47	74.0	28.19	Peak	105.00	150	Vertical	Pass
2**	3123.000	34.42	-7.47	54.0	19.58	AV	105.00	150	Vertical	Pass
3	4838.000	49.91	-2.02	74.0	24.09	Peak	212.00	150	Vertical	Pass
3**	4838.000	38.67	-2.02	54.0	15.33	AV	212.00	150	Vertical	Pass
4	5216.000	91.86	-2.32	74.0	-17.86	Peak	124.00	150	Vertical	N/A
4**	5216.000	82.71	-2.32	54.0	-28.71	AV	124.00	150	Vertical	N/A
5	10730.537	48.31	-3.76	74.0	25.69	Peak	360.00	150	Vertical	Pass
5**	10730.537	37.49	-3.76	54.0	16.51	AV	360.00	150	Vertical	Pass
6	16643.662	49.91	-1.08	74.0	24.09	Peak	311.00	150	Vertical	Pass
6**	16643.662	39.29	-1.08	54.0	14.71	AV	311.00	150	Vertical	Pass

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



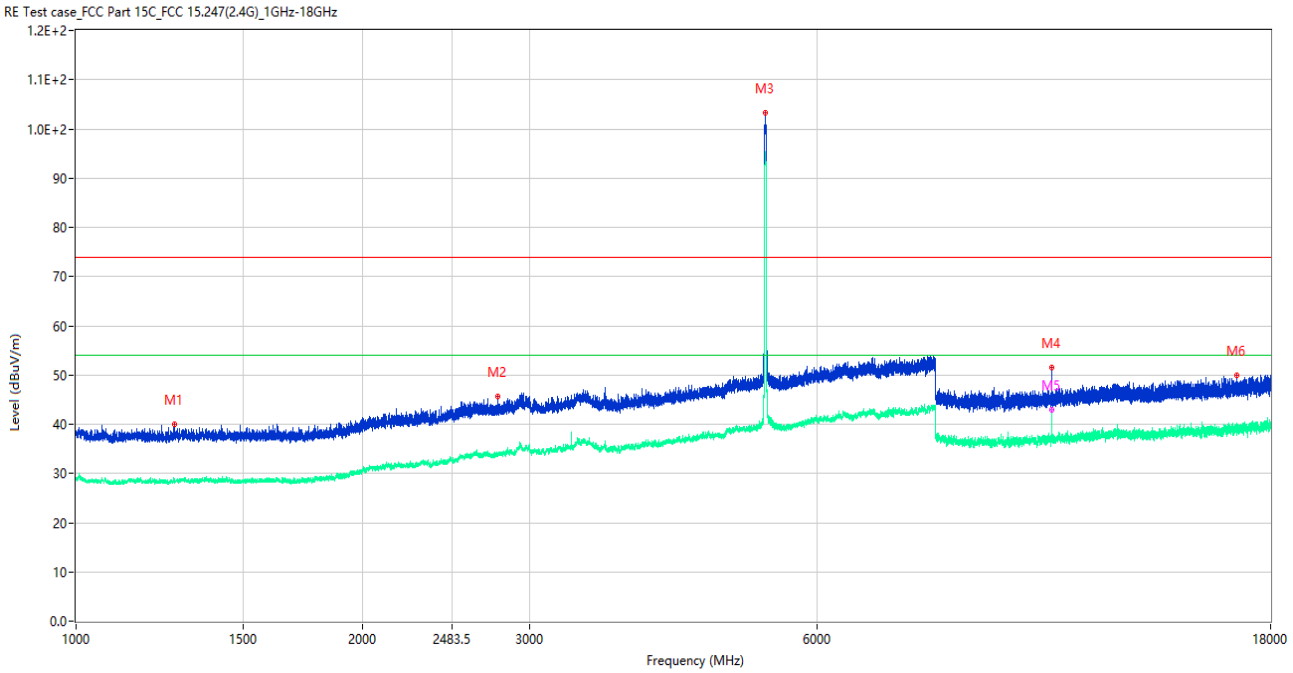
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1136.250	39.70	-15.53	74.0	34.30	Peak	49.00	150	Horizontal	Pass
1**	1136.250	28.29	-15.53	54.0	25.71	AV	49.00	150	Horizontal	Pass
2	2636.000	45.45	-10.02	74.0	28.55	Peak	118.00	150	Horizontal	Pass
2**	2636.000	34.09	-10.02	54.0	19.91	AV	118.00	150	Horizontal	Pass
3	5299.000	102.26	-2.01	74.0	-28.26	Peak	191.00	150	Horizontal	N/A
3**	5299.000	94.78	-2.01	54.0	-40.78	AV	191.00	150	Horizontal	N/A
4	10601.000	50.22	-3.67	74.0	23.78	Peak	211.00	150	Horizontal	Pass
4**	10601.000	41.77	-3.67	54.0	12.23	AV	211.00	150	Horizontal	Pass
5	10598.000	48.06	-3.66	74.0	25.94	Peak	211.00	150	Horizontal	Pass
5**	10598.000	42.42	-3.66	54.0	11.58	AV	211.00	150	Horizontal	Pass
6	16819.500	50.59	-1.24	74.0	23.41	Peak	154.00	150	Horizontal	Pass
6**	16819.500	39.16	-1.24	54.0	14.84	AV	154.00	150	Horizontal	Pass

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



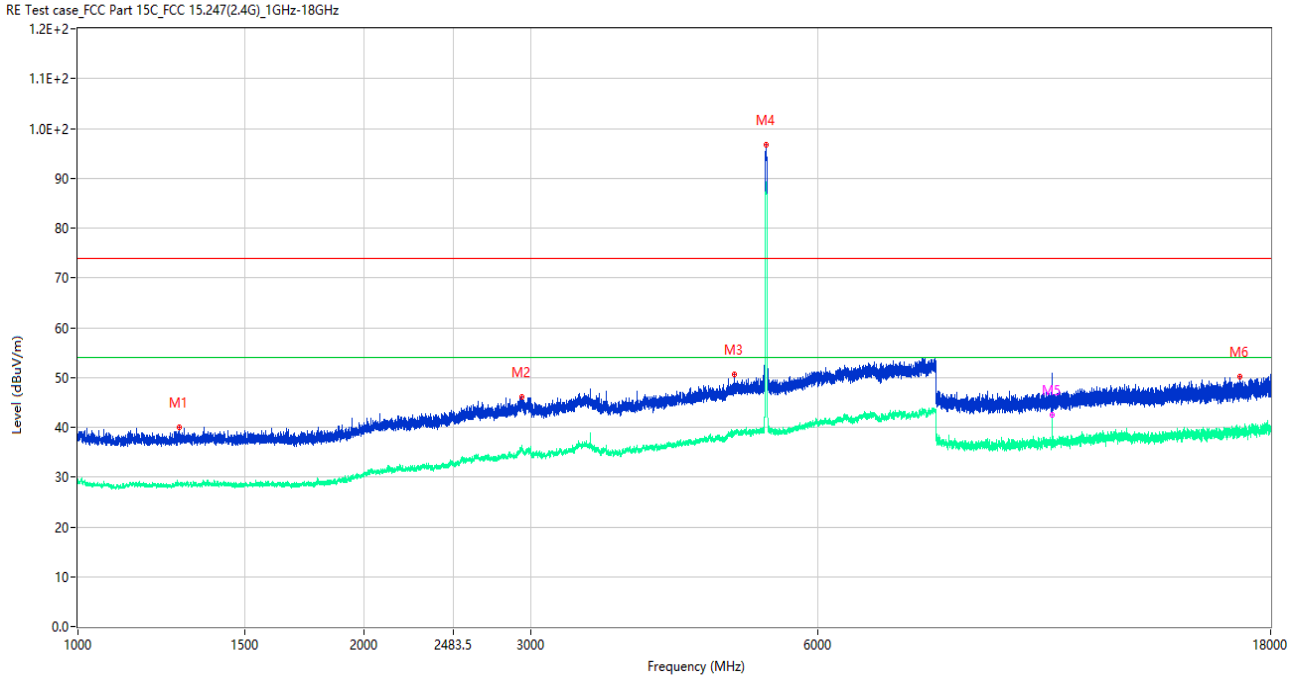
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1385.500	39.67	-16.01	74.0	34.33	Peak	279.00	150	Vertical	Pass
1**	1385.500	28.92	-16.01	54.0	25.08	AV	279.00	150	Vertical	Pass
2	2632.250	44.69	-9.86	74.0	29.31	Peak	11.00	150	Vertical	Pass
2**	2632.250	33.97	-9.86	54.0	20.03	AV	11.00	150	Vertical	Pass
3	5298.500	96.62	-2.03	74.0	-22.62	Peak	39.00	150	Vertical	N/A
3**	5298.500	88.51	-2.03	54.0	-34.51	AV	39.00	150	Vertical	N/A
4	10598.000	50.02	-3.66	74.0	23.98	Peak	207.00	150	Vertical	Pass
4**	10598.000	40.51	-3.66	54.0	13.49	AV	207.00	150	Vertical	Pass
5	10601.500	48.44	-3.67	74.0	25.56	Peak	236.00	150	Vertical	Pass
5**	10601.500	42.46	-3.67	54.0	11.54	AV	236.00	150	Vertical	Pass
6	16898.500	49.66	-0.79	74.0	24.34	Peak	148.00	150	Vertical	Pass
6**	16898.500	39.52	-0.79	54.0	14.48	AV	148.00	150	Vertical	Pass

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



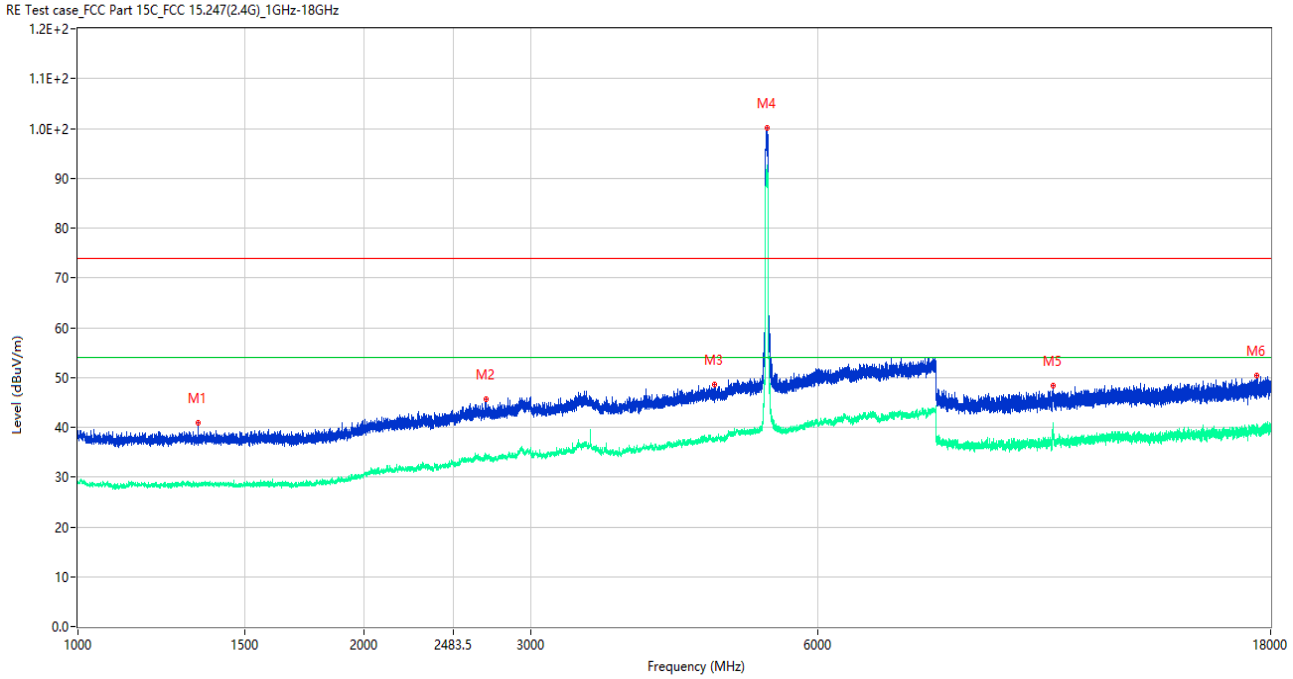
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1268.000	39.99	-15.94	74.0	34.01	Peak	137.00	150	Horizontal	Pass
1**	1268.000	28.34	-15.94	54.0	25.66	AV	137.00	150	Horizontal	Pass
2	2773.750	45.61	-10.17	74.0	28.39	Peak	239.00	150	Horizontal	Pass
2**	2773.750	33.62	-10.17	54.0	20.38	AV	239.00	150	Horizontal	Pass
3	5300.500	103.35	-2.06	74.0	-29.35	Peak	178.00	150	Horizontal	N/A
3**	5300.500	94.13	-2.06	54.0	-40.13	AV	178.00	150	Horizontal	N/A
4	10601.000	51.44	-3.67	74.0	22.56	Peak	206.00	150	Horizontal	Pass
4**	10601.000	42.10	-3.67	54.0	11.90	AV	206.00	150	Horizontal	Pass
5	10599.000	49.99	-3.67	74.0	24.01	Peak	206.00	150	Horizontal	Pass
5**	10599.000	42.90	-3.67	54.0	11.10	AV	206.00	150	Horizontal	Pass
6	16573.000	49.92	-0.72	74.0	24.08	Peak	236.00	150	Horizontal	Pass
6**	16573.000	39.15	-0.72	54.0	14.85	AV	236.00	150	Horizontal	Pass

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



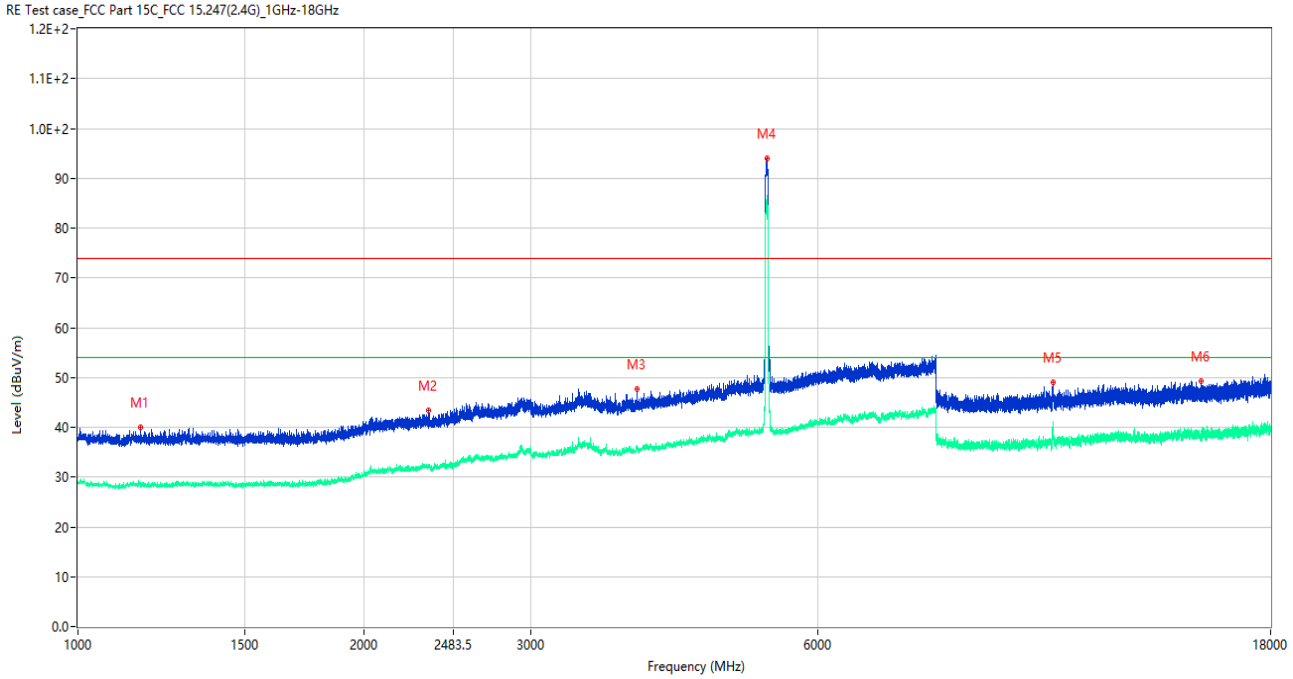
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1279.750	39.96	-15.87	74.0	34.04	Peak	246.00	150	Vertical	Pass
1**	1279.750	28.71	-15.87	54.0	25.29	AV	246.00	150	Vertical	Pass
2	2932.500	46.14	-7.99	74.0	27.86	Peak	186.00	150	Vertical	Pass
2**	2932.500	35.55	-7.99	54.0	18.45	AV	186.00	150	Vertical	Pass
3	4909.500	50.60	-2.29	74.0	23.40	Peak	142.00	150	Vertical	Pass
3**	4909.500	38.93	-2.29	54.0	15.07	AV	142.00	150	Vertical	Pass
4	5299.000	96.77	-2.01	74.0	-22.77	Peak	180.00	150	Vertical	N/A
4**	5299.000	89.12	-2.01	54.0	-35.12	AV	180.00	150	Vertical	N/A
5	10602.000	50.53	-3.67	74.0	23.47	Peak	39.00	150	Vertical	Pass
5**	10602.000	42.39	-3.67	54.0	11.61	AV	39.00	150	Vertical	Pass
6	16706.500	50.09	-1.62	74.0	23.91	Peak	99.00	150	Vertical	Pass
6**	16706.500	38.92	-1.62	54.0	15.08	AV	99.00	150	Vertical	Pass

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



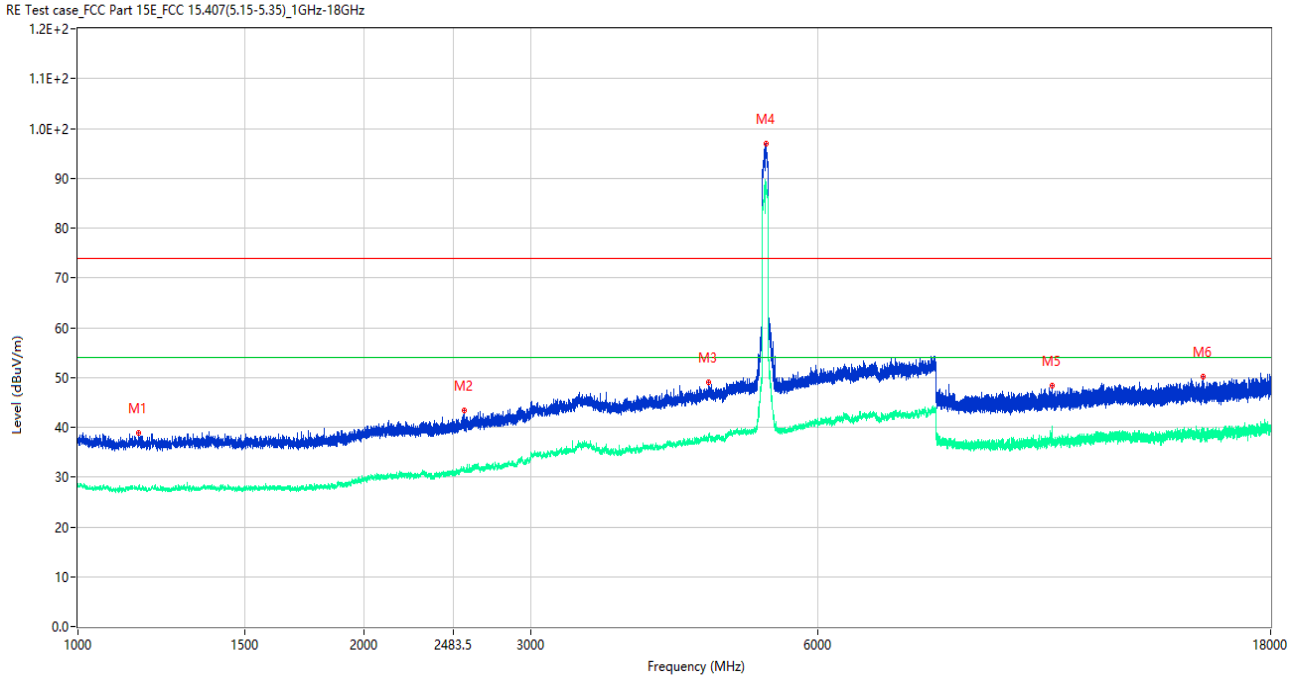
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1338.750	40.85	-16.08	74.0	33.15	Peak	261.00	150	Horizontal	Pass
1**	1338.750	28.29	-16.08	54.0	25.71	AV	261.00	150	Horizontal	Pass
2	2687.750	45.70	-10.45	74.0	28.30	Peak	319.00	150	Horizontal	Pass
2**	2687.750	33.68	-10.45	54.0	20.32	AV	319.00	150	Horizontal	Pass
3	4681.500	48.67	-3.77	74.0	25.33	Peak	22.00	150	Horizontal	Pass
3**	4681.500	37.18	-3.77	54.0	16.82	AV	22.00	150	Horizontal	Pass
4	5308.500	100.10	-2.00	74.0	-26.10	Peak	180.00	150	Horizontal	N/A
4**	5308.500	92.59	-2.00	54.0	-38.59	AV	180.00	150	Horizontal	N/A
5	10622.500	48.39	-4.08	74.0	25.61	Peak	211.00	150	Horizontal	Pass
5**	10622.500	38.81	-4.08	54.0	15.19	AV	211.00	150	Horizontal	Pass
6	17419.000	50.33	-0.15	74.0	23.67	Peak	181.00	150	Horizontal	Pass
6**	17419.000	39.40	-0.15	54.0	14.60	AV	181.00	150	Horizontal	Pass

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



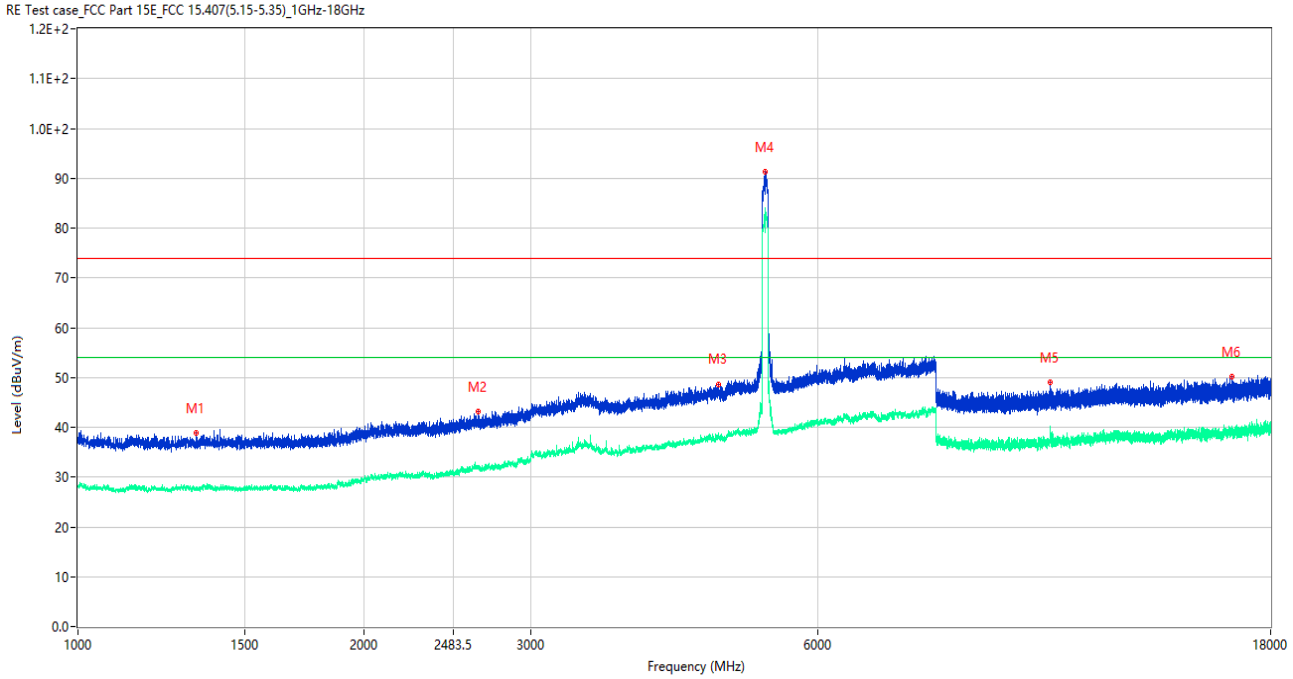
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1163.500	40.06	-15.47	74.0	33.94	Peak	360.00	150	Vertical	Pass
1**	1163.500	28.62	-15.47	54.0	25.38	AV	360.00	150	Vertical	Pass
2	2338.250	43.43	-11.87	74.0	30.57	Peak	196.00	150	Vertical	Pass
2**	2338.250	31.80	-11.87	54.0	22.20	AV	196.00	150	Vertical	Pass
3	3877.500	47.58	-4.74	74.0	26.42	Peak	3.00	150	Vertical	Pass
3**	3877.500	35.93	-4.74	54.0	18.07	AV	3.00	150	Vertical	Pass
4	5307.500	93.98	-2.00	74.0	-19.98	Peak	144.00	150	Vertical	N/A
4**	5307.500	86.10	-2.00	54.0	-32.10	AV	144.00	150	Vertical	N/A
5	10621.000	49.01	-4.11	74.0	24.99	Peak	234.00	150	Vertical	Pass
5**	10621.000	40.20	-4.11	54.0	13.80	AV	234.00	150	Vertical	Pass
6	15217.500	49.27	-1.98	74.0	24.73	Peak	118.00	150	Vertical	Pass
6**	15217.500	39.14	-1.98	54.0	14.86	AV	118.00	150	Vertical	Pass

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



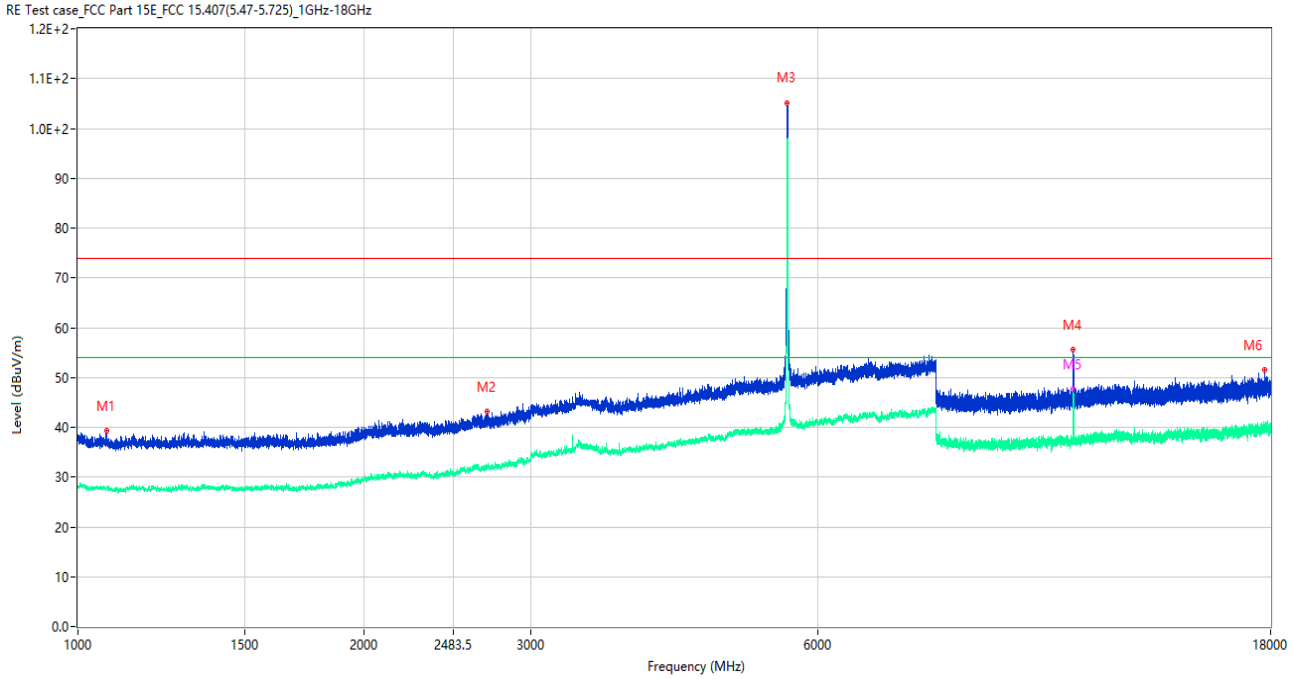
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1157.750	38.92	-15.54	74.0	35.08	Peak	308.00	150	Horizontal	Pass
1**	1157.750	27.70	-15.54	54.0	26.30	AV	308.00	150	Horizontal	Pass
2	2547.750	43.29	-11.28	74.0	30.71	Peak	119.00	150	Horizontal	Pass
2**	2547.750	31.35	-11.28	54.0	22.65	AV	119.00	150	Horizontal	Pass
3	4614.500	48.99	-3.20	74.0	25.01	Peak	142.00	150	Horizontal	Pass
3**	4614.500	37.81	-3.20	54.0	16.19	AV	142.00	150	Horizontal	Pass
4	5294.500	96.87	-2.00	74.0	-22.87	Peak	172.00	150	Horizontal	N/A
4**	5294.500	89.05	-2.00	54.0	-35.05	AV	172.00	150	Horizontal	N/A
5	10598.963	48.30	-3.67	74.0	25.70	Peak	215.00	150	Horizontal	Pass
5**	10598.963	38.55	-3.67	54.0	15.45	AV	215.00	150	Horizontal	Pass
6	15265.537	50.16	-1.02	74.0	23.84	Peak	107.00	150	Horizontal	Pass
6**	15265.537	38.94	-1.02	54.0	15.06	AV	107.00	150	Horizontal	Pass

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



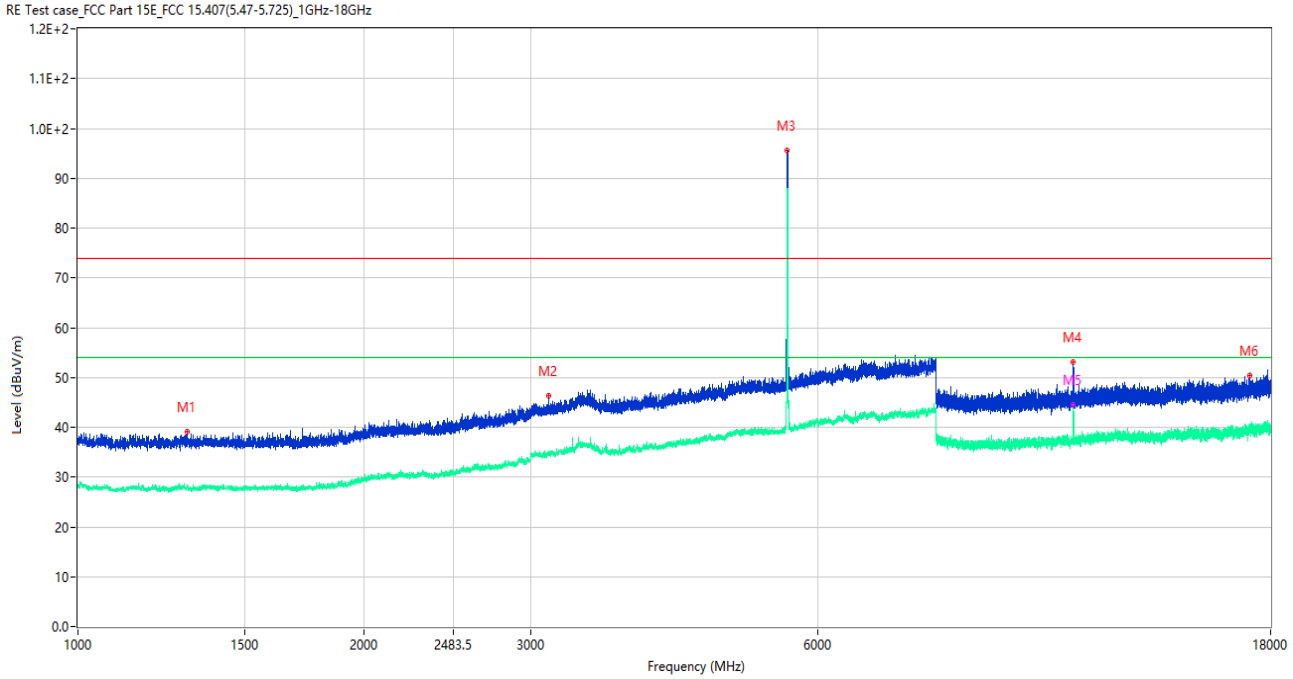
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.250	38.89	-16.00	74.0	35.11	Peak	0.00	150	Vertical	Pass
1**	1332.250	27.71	-16.00	54.0	26.29	AV	0.00	150	Vertical	Pass
2	2637.000	43.24	-10.08	74.0	30.76	Peak	19.00	150	Vertical	Pass
2**	2637.000	32.22	-10.08	54.0	21.78	AV	19.00	150	Vertical	Pass
3	4724.000	48.69	-3.26	74.0	25.31	Peak	360.00	150	Vertical	Pass
3**	4724.000	38.25	-3.26	54.0	15.75	AV	360.00	150	Vertical	Pass
4	5283.000	91.37	-2.20	74.0	-17.37	Peak	115.00	150	Vertical	N/A
4**	5283.000	82.80	-2.20	54.0	-28.80	AV	115.00	150	Vertical	N/A
5	10560.487	48.94	-3.39	74.0	25.06	Peak	217.00	150	Vertical	Pass
5**	10560.487	39.37	-3.39	54.0	14.63	AV	217.00	150	Vertical	Pass
6	16386.413	50.15	-1.32	74.0	23.85	Peak	41.00	150	Vertical	Pass
6**	16386.413	39.44	-1.32	54.0	14.56	AV	41.00	150	Vertical	Pass

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



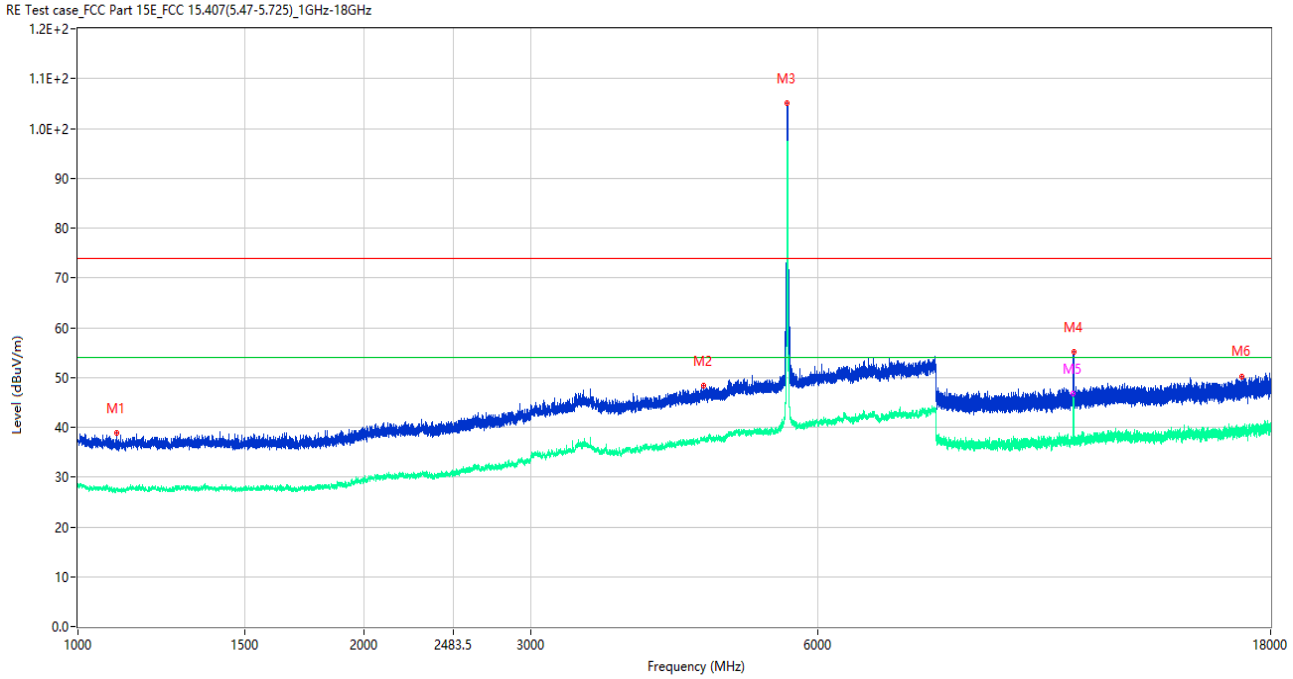
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1072.000	39.27	-15.24	74.0	34.73	Peak	0.00	150	Horizontal	Pass
1**	1072.000	28.04	-15.24	54.0	25.96	AV	0.00	150	Horizontal	Pass
2	2696.500	43.09	-10.57	74.0	30.91	Peak	60.00	150	Horizontal	Pass
2**	2696.500	31.81	-10.57	54.0	22.19	AV	60.00	150	Horizontal	Pass
3	5581.500	105.19	-2.85	74.0	-31.19	Peak	191.00	150	Horizontal	N/A
3**	5581.500	97.58	-2.85	54.0	-43.58	AV	191.00	150	Horizontal	N/A
4	11158.750	55.55	-4.02	74.0	18.45	Peak	215.00	150	Horizontal	Pass
4**	11158.750	45.39	-4.02	54.0	8.61	AV	215.00	150	Horizontal	Pass
5	11160.412	53.27	-4.02	74.0	20.73	Peak	215.00	150	Horizontal	Pass
5**	11160.412	47.67	-4.02	54.0	6.33	AV	215.00	150	Horizontal	Pass
6	17754.300	51.60	0.62	74.0	22.40	Peak	360.00	150	Horizontal	Pass
6**	17754.300	39.82	0.62	54.0	14.18	AV	360.00	150	Horizontal	Pass

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



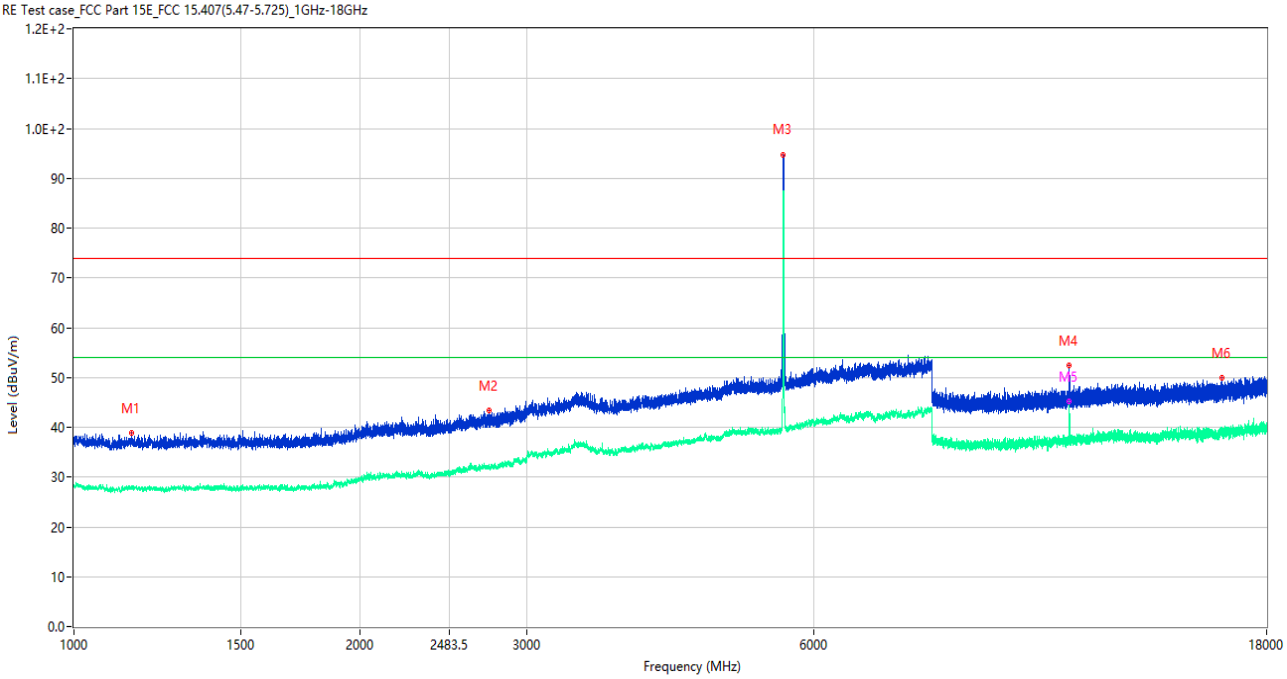
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1301.750	39.04	-15.59	74.0	34.96	Peak	123.00	150	Vertical	Pass
1**	1301.750	27.74	-15.59	54.0	26.26	AV	123.00	150	Vertical	Pass
2	3126.500	46.28	-7.35	74.0	27.72	Peak	131.00	150	Vertical	Pass
2**	3126.500	34.63	-7.35	54.0	19.37	AV	131.00	150	Vertical	Pass
3	5581.000	95.65	-2.85	74.0	-21.65	Peak	90.00	150	Vertical	N/A
3**	5581.000	87.11	-2.85	54.0	-33.11	AV	90.00	150	Vertical	N/A
4	11156.138	53.18	-4.03	74.0	20.82	Peak	216.00	150	Vertical	Pass
4**	11156.138	42.11	-4.03	54.0	11.89	AV	216.00	150	Vertical	Pass
5	11161.600	49.57	-4.03	74.0	24.43	Peak	216.00	150	Vertical	Pass
5**	11161.600	44.42	-4.03	54.0	9.58	AV	216.00	150	Vertical	Pass
6	17119.574	50.44	-0.22	74.0	23.56	Peak	360.00	150	Vertical	Pass
6**	17119.574	39.12	-0.22	54.0	14.88	AV	360.00	150	Vertical	Pass

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



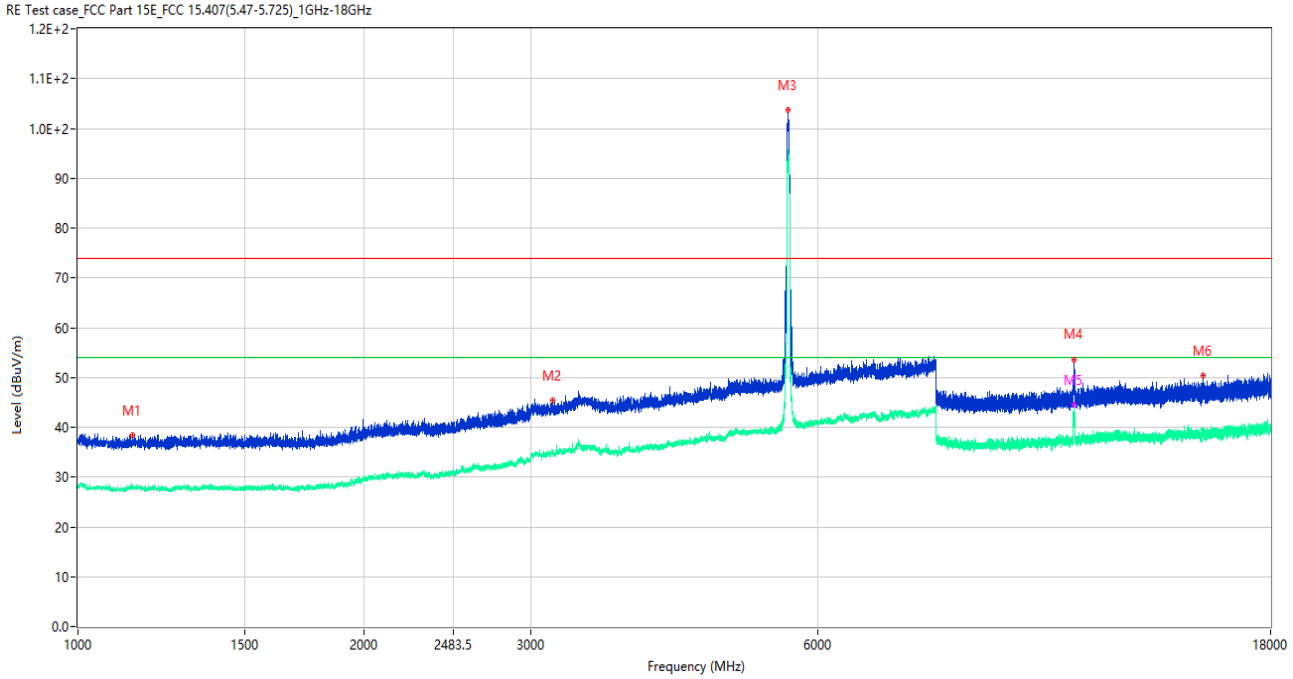
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1097.750	38.85	-15.74	74.0	35.15	Peak	162.00	150	Horizontal	Pass
1**	1097.750	27.30	-15.74	54.0	26.70	AV	162.00	150	Horizontal	Pass
2	4551.500	48.36	-3.10	74.0	25.64	Peak	241.00	150	Horizontal	Pass
2**	4551.500	37.20	-3.10	54.0	16.80	AV	241.00	150	Horizontal	Pass
3	5581.000	105.01	-2.85	74.0	-31.01	Peak	190.00	150	Horizontal	N/A
3**	5581.000	96.96	-2.85	54.0	-42.96	AV	190.00	150	Horizontal	N/A
4	11165.400	55.15	-4.09	74.0	18.85	Peak	194.00	150	Horizontal	Pass
4**	11165.400	45.90	-4.09	54.0	8.10	AV	194.00	150	Horizontal	Pass
5	11156.138	51.88	-4.03	74.0	22.12	Peak	194.00	150	Horizontal	Pass
5**	11156.138	46.73	-4.03	54.0	7.27	AV	194.00	150	Horizontal	Pass
6	16767.563	50.27	-1.53	74.0	23.73	Peak	278.00	150	Horizontal	Pass
6**	16767.563	38.64	-1.53	54.0	15.36	AV	278.00	150	Horizontal	Pass

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



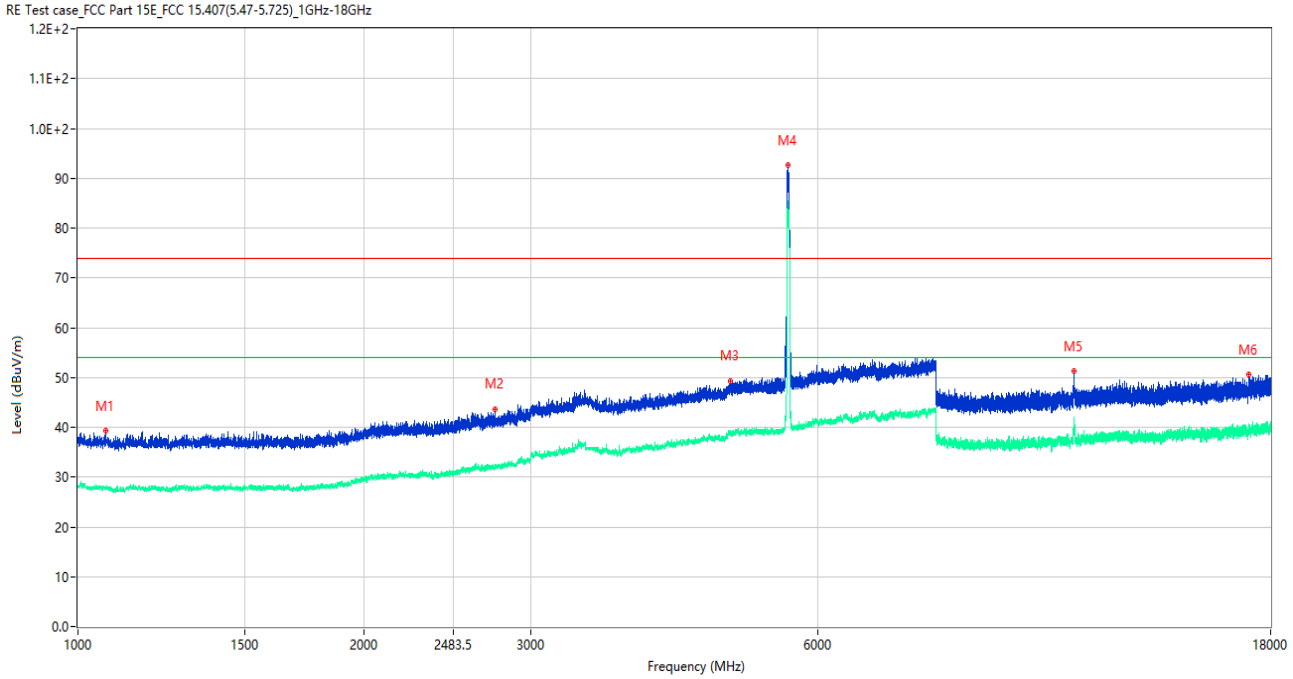
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1149.750	38.91	-15.66	74.0	35.09	Peak	314.00	150	Vertical	Pass
1**	1149.750	27.78	-15.66	54.0	26.22	AV	314.00	150	Vertical	Pass
2	2735.250	43.49	-10.62	74.0	30.51	Peak	227.00	150	Vertical	Pass
2**	2735.250	32.06	-10.62	54.0	21.94	AV	227.00	150	Vertical	Pass
3	5581.000	94.78	-2.85	74.0	-20.78	Peak	51.00	150	Vertical	N/A
3**	5581.000	87.04	-2.85	54.0	-33.04	AV	51.00	150	Vertical	N/A
4	11161.838	52.51	-4.03	74.0	21.49	Peak	216.00	150	Vertical	Pass
4**	11161.838	42.58	-4.03	54.0	11.42	AV	216.00	150	Vertical	Pass
5	11158.513	49.43	-4.02	74.0	24.57	Peak	237.00	150	Vertical	Pass
5**	11158.513	45.09	-4.02	54.0	8.91	AV	237.00	150	Vertical	Pass
6	16135.987	49.95	-1.44	74.0	24.05	Peak	360.00	150	Vertical	Pass
6**	16135.987	39.37	-1.44	54.0	14.63	AV	360.00	150	Vertical	Pass

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



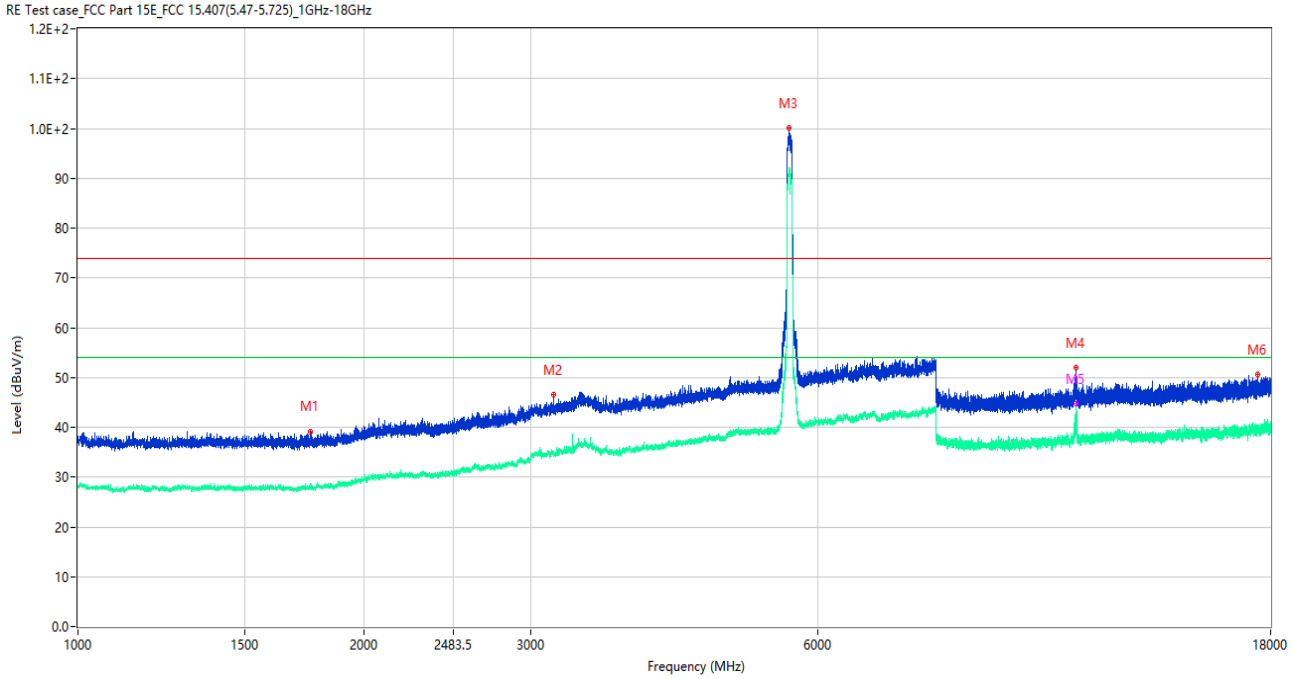
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1141.750	38.45	-15.57	74.0	35.55	Peak	14.00	150	Horizontal	Pass
1**	1141.750	27.82	-15.57	54.0	26.18	AV	14.00	150	Horizontal	Pass
2	3158.000	45.35	-7.06	74.0	28.65	Peak	360.00	150	Horizontal	Pass
2**	3158.000	34.59	-7.06	54.0	19.41	AV	360.00	150	Horizontal	Pass
3	5588.000	103.66	-2.82	74.0	-29.66	Peak	179.00	150	Horizontal	N/A
3**	5588.000	94.89	-2.82	54.0	-40.89	AV	179.00	150	Horizontal	N/A
4	11179.650	53.65	-4.17	74.0	20.35	Peak	193.00	150	Horizontal	Pass
4**	11179.650	42.91	-4.17	54.0	11.09	AV	193.00	150	Horizontal	Pass
5	11175.137	49.02	-4.14	74.0	24.98	Peak	193.00	150	Horizontal	Pass
5**	11175.137	44.48	-4.14	54.0	9.52	AV	193.00	150	Horizontal	Pass
6	15297.563	50.38	-1.81	74.0	23.62	Peak	312.00	150	Horizontal	Pass
6**	15297.563	38.32	-1.81	54.0	15.68	AV	312.00	150	Horizontal	Pass

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



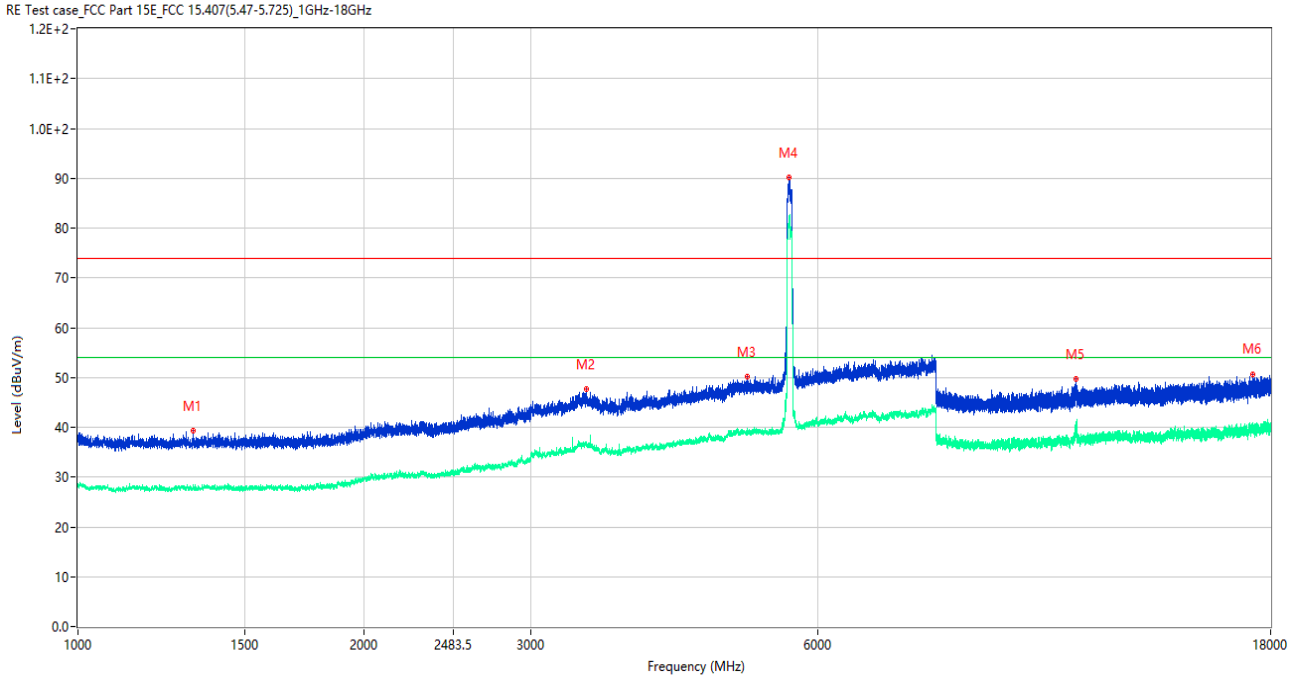
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1068.500	39.25	-15.18	74.0	34.75	Peak	164.00	150	Vertical	Pass
1**	1068.500	27.72	-15.18	54.0	26.28	AV	164.00	150	Vertical	Pass
2	2751.000	43.72	-10.58	74.0	30.28	Peak	230.00	150	Vertical	Pass
2**	2751.000	32.19	-10.58	54.0	21.81	AV	230.00	150	Vertical	Pass
3	4855.000	49.35	-2.09	74.0	24.65	Peak	112.00	150	Vertical	Pass
3**	4855.000	38.46	-2.09	54.0	15.54	AV	112.00	150	Vertical	Pass
4	5586.500	92.77	-2.81	74.0	-18.77	Peak	32.00	150	Vertical	N/A
4**	5586.500	85.29	-2.81	54.0	-31.29	AV	32.00	150	Vertical	N/A
5	11180.125	51.35	-4.16	74.0	22.65	Peak	193.00	150	Vertical	Pass
5**	11180.125	40.25	-4.16	54.0	13.75	AV	193.00	150	Vertical	Pass
6	17074.162	50.64	-0.73	74.0	23.36	Peak	345.00	150	Vertical	Pass
6**	17074.162	39.78	-0.73	54.0	14.22	AV	345.00	150	Vertical	Pass

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



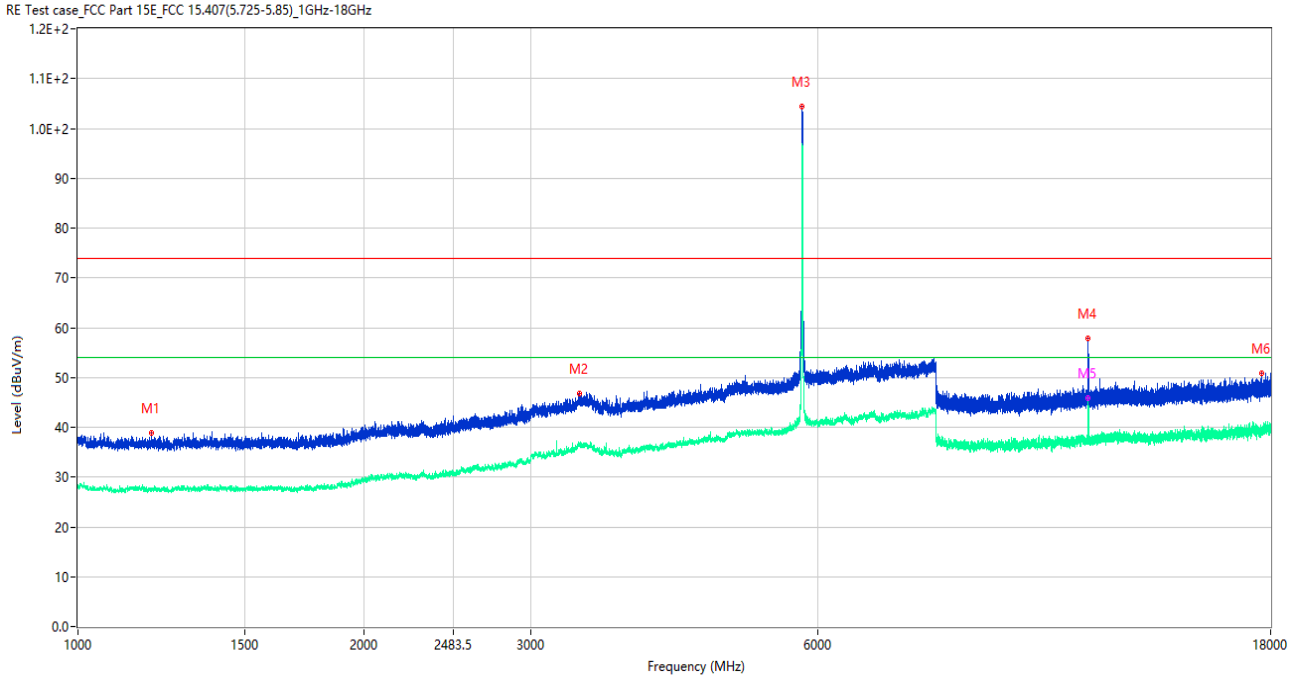
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1754.750	39.02	-15.96	74.0	34.98	Peak	0.00	150	Horizontal	Pass
1**	1754.750	27.94	-15.96	54.0	26.06	AV	0.00	150	Horizontal	Pass
2	3164.000	46.56	-7.11	74.0	27.44	Peak	223.00	150	Horizontal	Pass
2**	3164.000	34.75	-7.11	54.0	19.25	AV	223.00	150	Horizontal	Pass
3	5603.000	100.20	-2.78	74.0	-26.20	Peak	181.00	150	Horizontal	N/A
3**	5603.000	91.55	-2.78	54.0	-37.55	AV	181.00	150	Horizontal	N/A
4	11230.238	51.87	-4.24	74.0	22.13	Peak	192.00	150	Horizontal	Pass
4**	11230.238	40.77	-4.24	54.0	13.23	AV	192.00	150	Horizontal	Pass
5	11239.262	49.65	-4.35	74.0	24.35	Peak	192.00	150	Horizontal	Pass
5**	11239.262	44.66	-4.35	54.0	9.34	AV	192.00	150	Horizontal	Pass
6	17457.676	50.68	0.09	74.0	23.32	Peak	314.00	150	Horizontal	Pass
6**	17457.676	39.87	0.09	54.0	14.13	AV	314.00	150	Horizontal	Pass

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



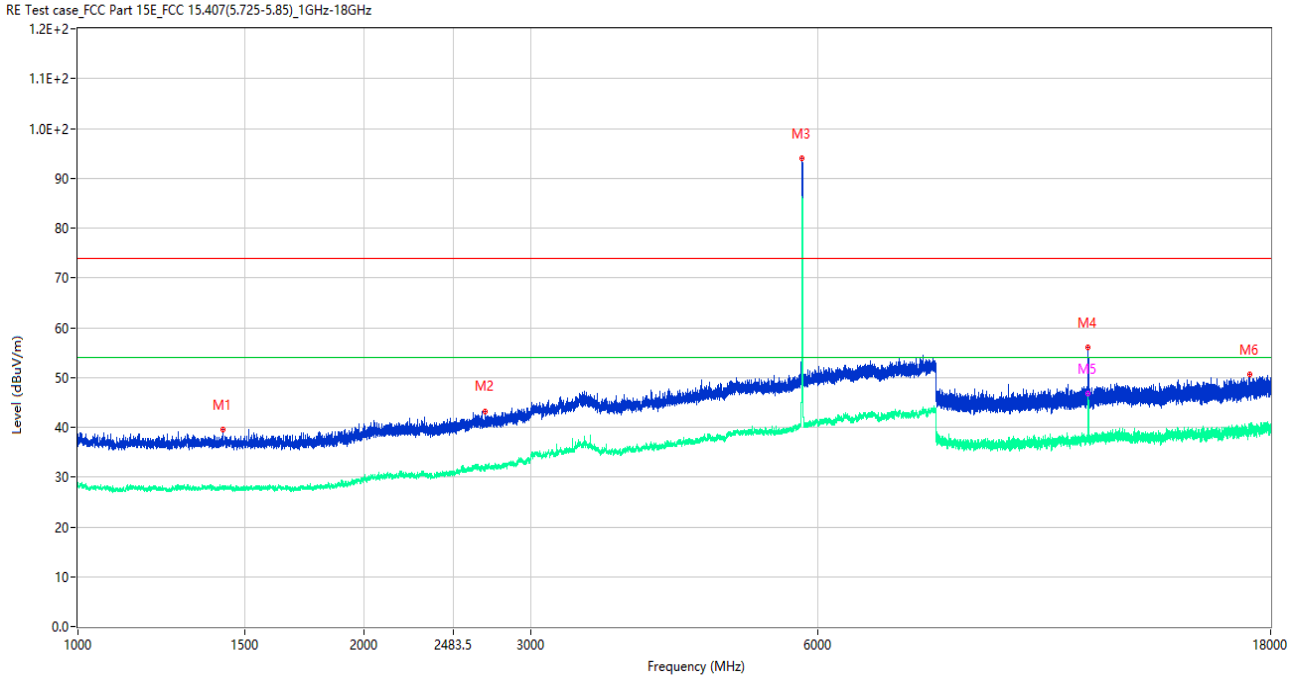
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1322.750	39.27	-15.86	74.0	34.73	Peak	217.00	150	Vertical	Pass
1**	1322.750	28.52	-15.86	54.0	25.48	AV	217.00	150	Vertical	Pass
2	3429.500	47.77	-5.02	74.0	26.23	Peak	268.00	150	Vertical	Pass
2**	3429.500	36.65	-5.02	54.0	17.35	AV	268.00	150	Vertical	Pass
3	5069.000	50.07	-2.50	74.0	23.93	Peak	8.00	150	Vertical	Pass
3**	5069.000	38.94	-2.50	54.0	15.06	AV	8.00	150	Vertical	Pass
4	5605.000	90.10	-2.71	74.0	-16.10	Peak	71.00	150	Vertical	N/A
4**	5605.000	82.35	-2.71	54.0	-28.35	AV	71.00	150	Vertical	N/A
5	11231.662	49.70	-4.17	74.0	24.30	Peak	193.00	150	Vertical	Pass
5**	11231.662	39.55	-4.17	54.0	14.45	AV	193.00	150	Vertical	Pass
6	17237.438	50.71	-0.73	74.0	23.29	Peak	143.00	150	Vertical	Pass
6**	17237.438	39.59	-0.73	54.0	14.41	AV	143.00	150	Vertical	Pass

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



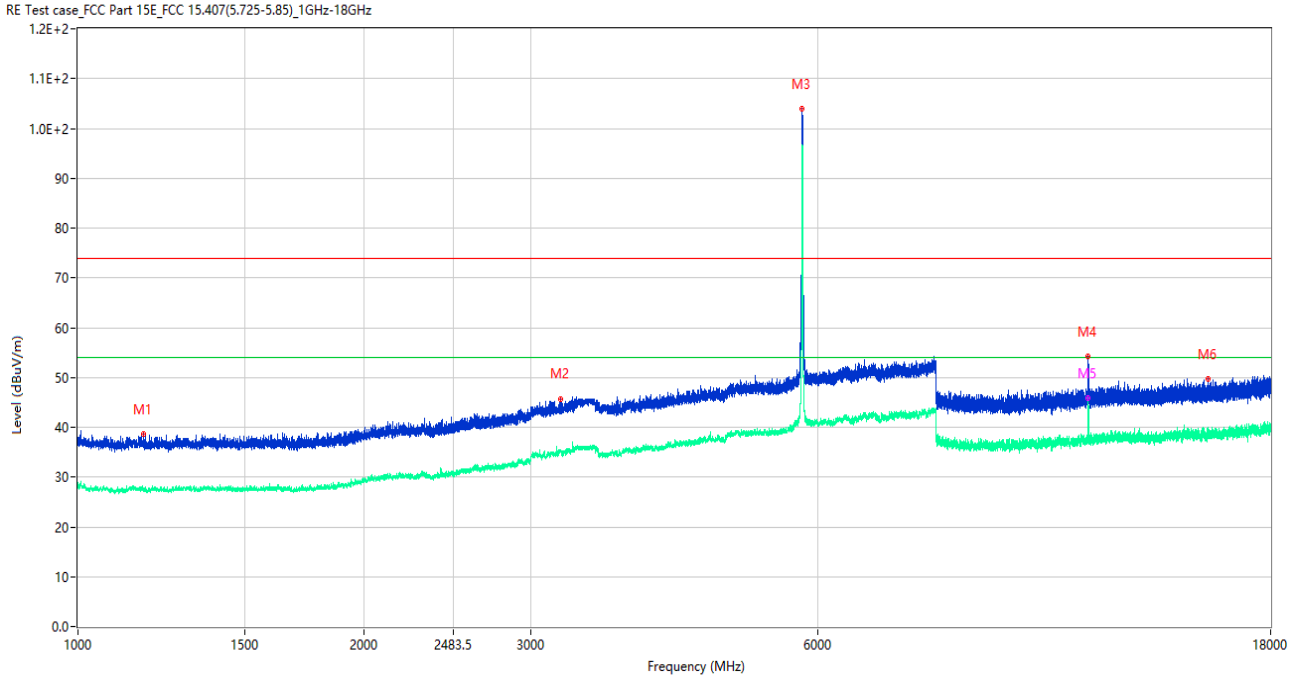
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1195.500	38.94	-15.75	74.0	35.06	Peak	329.00	150	Horizontal	Pass
1**	1195.500	27.61	-15.75	54.0	26.39	AV	329.00	150	Horizontal	Pass
2	3373.500	46.69	-4.79	74.0	27.31	Peak	348.00	150	Horizontal	Pass
2**	3373.500	36.84	-4.79	54.0	17.16	AV	348.00	150	Horizontal	Pass
3	5782.500	104.35	-1.53	74.0	-30.35	Peak	185.00	150	Horizontal	N/A
3**	5782.500	96.39	-1.53	54.0	-42.39	AV	185.00	150	Horizontal	N/A
4	11569.388	57.81	-2.30	74.0	16.19	Peak	194.00	150	Horizontal	Pass
4**	11569.388	44.61	-2.30	54.0	9.39	AV	194.00	150	Horizontal	Pass
5	11569.625	53.46	-2.29	74.0	20.54	Peak	194.00	150	Horizontal	Pass
5**	11569.625	45.90	-2.29	54.0	8.10	AV	194.00	150	Horizontal	Pass
6	17601.262	50.77	0.12	74.0	23.23	Peak	15.00	150	Horizontal	Pass
6**	17601.262	38.70	0.12	54.0	15.30	AV	15.00	150	Horizontal	Pass

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



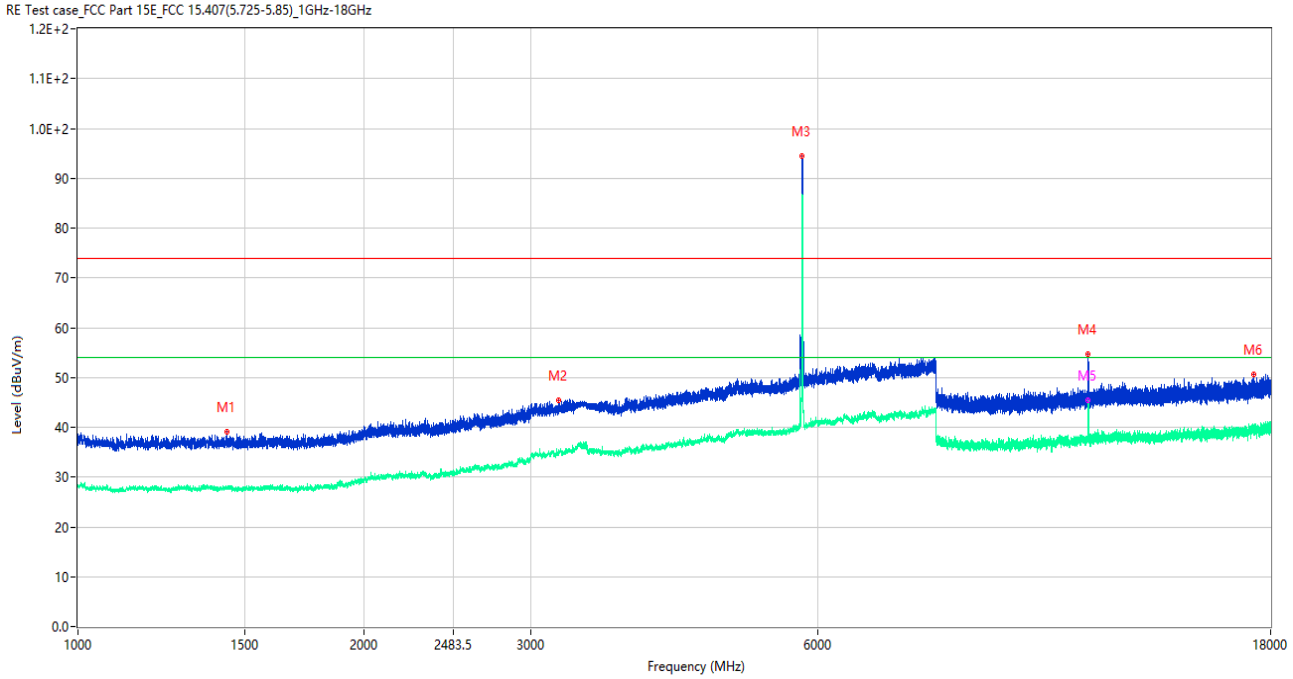
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1421.500	39.59	-15.94	74.0	34.41	Peak	282.00	150	Vertical	Pass
1**	1421.500	27.96	-15.94	54.0	26.04	AV	282.00	150	Vertical	Pass
2	2680.500	43.25	-10.55	74.0	30.75	Peak	60.00	150	Vertical	Pass
2**	2680.500	31.57	-10.55	54.0	22.43	AV	60.00	150	Vertical	Pass
3	5783.500	93.92	-1.54	74.0	-19.92	Peak	31.00	150	Vertical	N/A
3**	5783.500	85.51	-1.54	54.0	-31.51	AV	31.00	150	Vertical	N/A
4	11567.013	55.97	-2.35	74.0	18.03	Peak	168.00	150	Vertical	Pass
4**	11567.013	44.23	-2.35	54.0	9.77	AV	168.00	150	Vertical	Pass
5	11568.912	52.69	-2.34	74.0	21.31	Peak	192.00	150	Vertical	Pass
5**	11568.912	46.75	-2.34	54.0	7.25	AV	192.00	150	Vertical	Pass
6	17126.662	50.57	-0.48	74.0	23.43	Peak	0.00	150	Vertical	Pass
6**	17126.662	39.55	-0.48	54.0	14.45	AV	0.00	150	Vertical	Pass

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



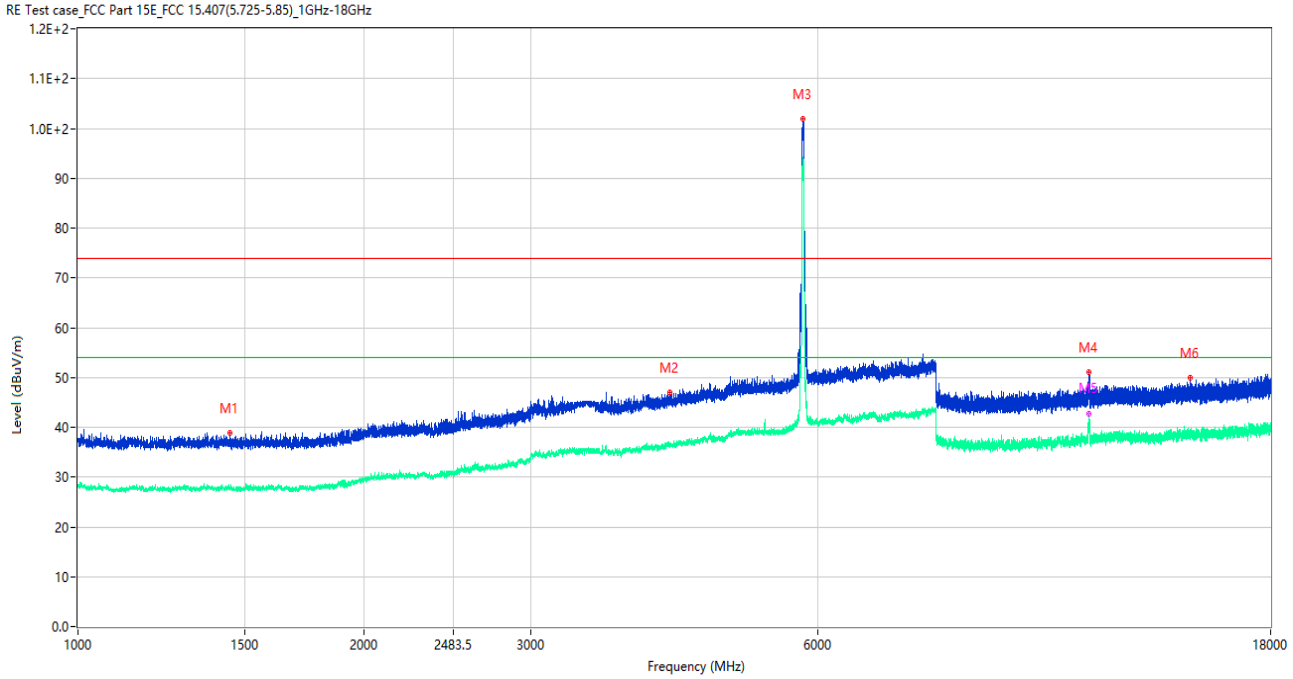
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1173.250	38.62	-15.59	74.0	35.38	Peak	244.00	150	Horizontal	Pass
1**	1173.250	27.62	-15.59	54.0	26.38	AV	244.00	150	Horizontal	Pass
2	3223.500	45.55	-6.46	74.0	28.45	Peak	58.00	150	Horizontal	Pass
2**	3223.500	35.41	-6.46	54.0	18.59	AV	58.00	150	Horizontal	Pass
3	5782.000	103.98	-1.54	74.0	-29.98	Peak	179.00	150	Horizontal	N/A
3**	5782.000	96.03	-1.54	54.0	-42.03	AV	179.00	150	Horizontal	N/A
4	11569.388	54.20	-2.30	74.0	19.80	Peak	168.00	150	Horizontal	Pass
4**	11569.388	44.49	-2.30	54.0	9.51	AV	168.00	150	Horizontal	Pass
5	11569.625	51.65	-2.29	74.0	22.35	Peak	168.00	150	Horizontal	Pass
5**	11569.625	45.80	-2.29	54.0	8.20	AV	168.00	150	Horizontal	Pass
6	15451.912	49.69	-2.09	74.0	24.31	Peak	182.00	150	Horizontal	Pass
6**	15451.912	38.83	-2.09	54.0	15.17	AV	182.00	150	Horizontal	Pass

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



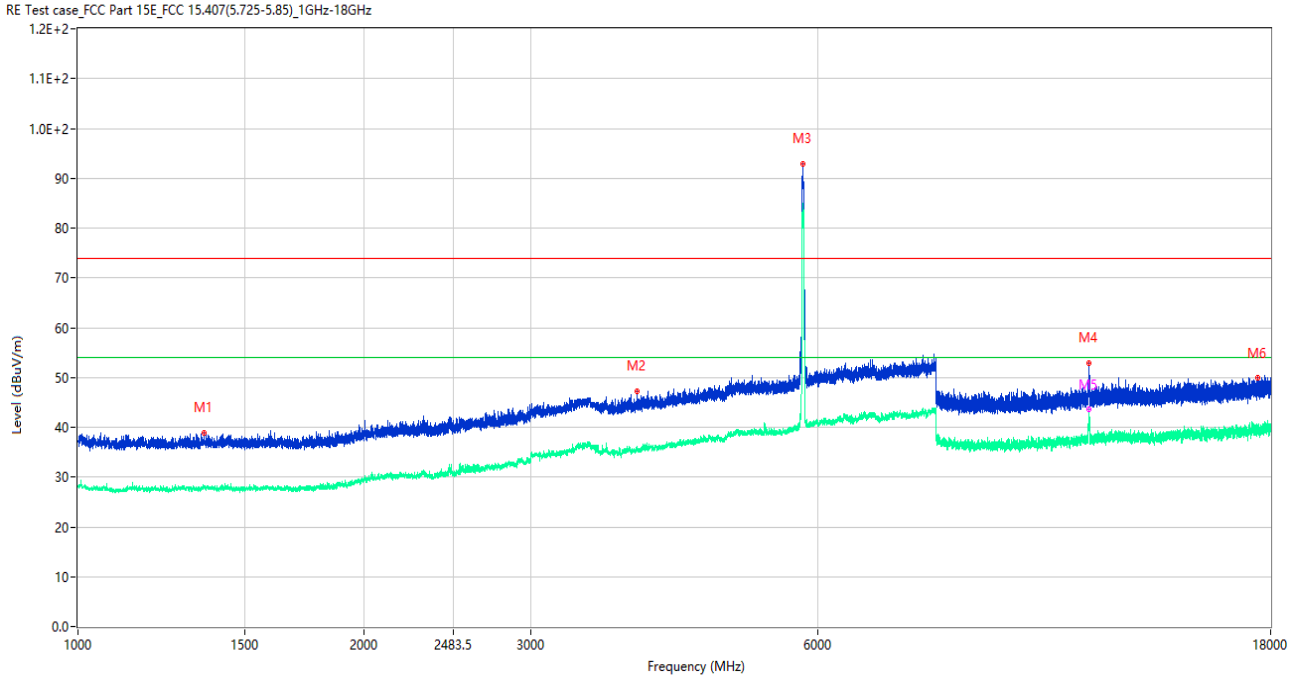
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1434.250	39.01	-16.01	74.0	34.99	Peak	12.00	150	Vertical	Pass
1**	1434.250	27.74	-16.01	54.0	26.26	AV	12.00	150	Vertical	Pass
2	3206.000	45.31	-7.33	74.0	28.69	Peak	359.00	150	Vertical	Pass
2**	3206.000	34.86	-7.33	54.0	19.14	AV	359.00	150	Vertical	Pass
3	5783.000	94.45	-1.53	74.0	-20.45	Peak	31.00	150	Vertical	N/A
3**	5783.000	86.40	-1.53	54.0	-32.40	AV	31.00	150	Vertical	N/A
4	11565.587	54.65	-2.25	74.0	19.35	Peak	216.00	150	Vertical	Pass
4**	11565.587	44.47	-2.25	54.0	9.53	AV	216.00	150	Vertical	Pass
5	11565.350	52.15	-2.25	74.0	21.85	Peak	192.00	150	Vertical	Pass
5**	11565.350	45.37	-2.25	54.0	8.63	AV	192.00	150	Vertical	Pass
6	17268.937	50.67	-1.25	74.0	23.33	Peak	253.00	150	Vertical	Pass
6**	17268.937	40.52	-1.25	54.0	13.48	AV	253.00	150	Vertical	Pass

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



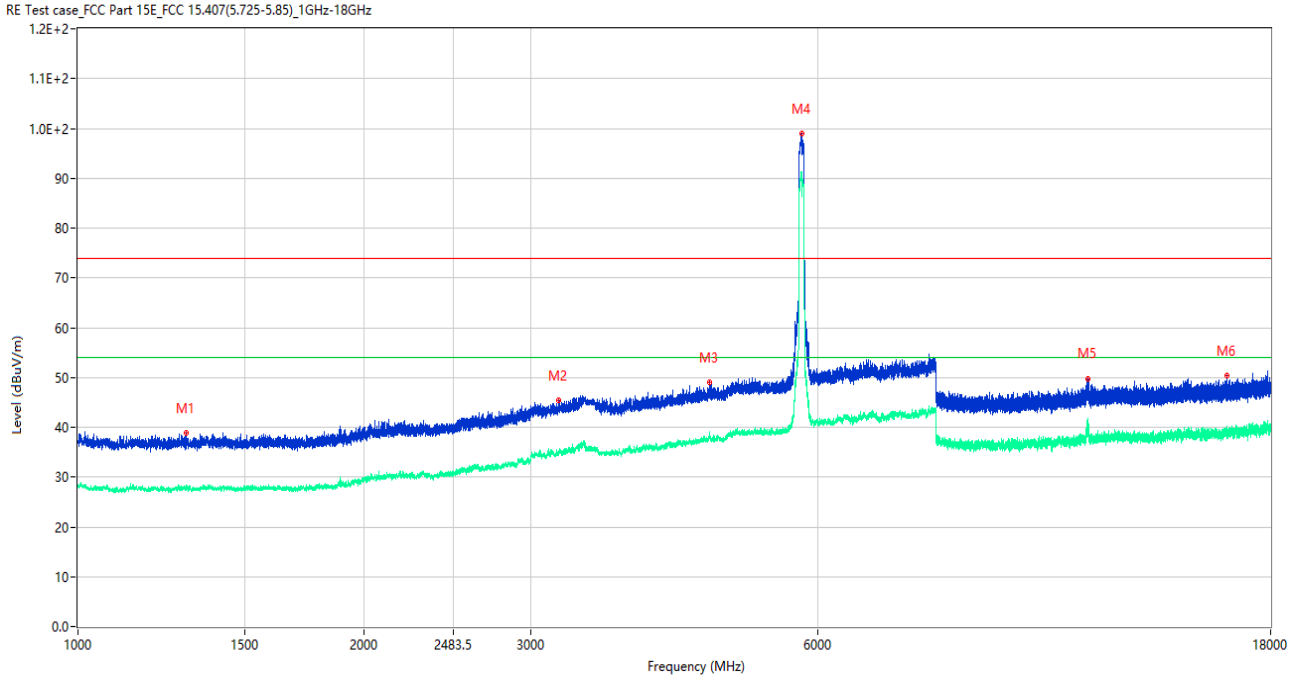
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1443.750	38.83	-15.93	74.0	35.17	Peak	352.00	150	Horizontal	Pass
1**	1443.750	27.44	-15.93	54.0	26.56	AV	352.00	150	Horizontal	Pass
2	4192.000	46.90	-3.66	74.0	27.10	Peak	0.00	150	Horizontal	Pass
2**	4192.000	36.25	-3.66	54.0	17.75	AV	0.00	150	Horizontal	Pass
3	5797.000	101.92	-1.41	74.0	-27.92	Peak	187.00	150	Horizontal	N/A
3**	5797.000	94.18	-1.41	54.0	-40.18	AV	187.00	150	Horizontal	N/A
4	11590.762	51.15	-2.20	74.0	22.85	Peak	167.00	150	Horizontal	Pass
4**	11590.762	41.23	-2.20	54.0	12.77	AV	167.00	150	Horizontal	Pass
5	11583.875	47.50	-2.36	74.0	26.50	Peak	215.00	150	Horizontal	Pass
5**	11583.875	42.81	-2.36	54.0	11.19	AV	215.00	150	Horizontal	Pass
6	14822.438	49.96	-0.09	74.0	24.04	Peak	48.00	150	Horizontal	Pass
6**	14822.438	38.20	-0.09	54.0	15.80	AV	48.00	150	Horizontal	Pass

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



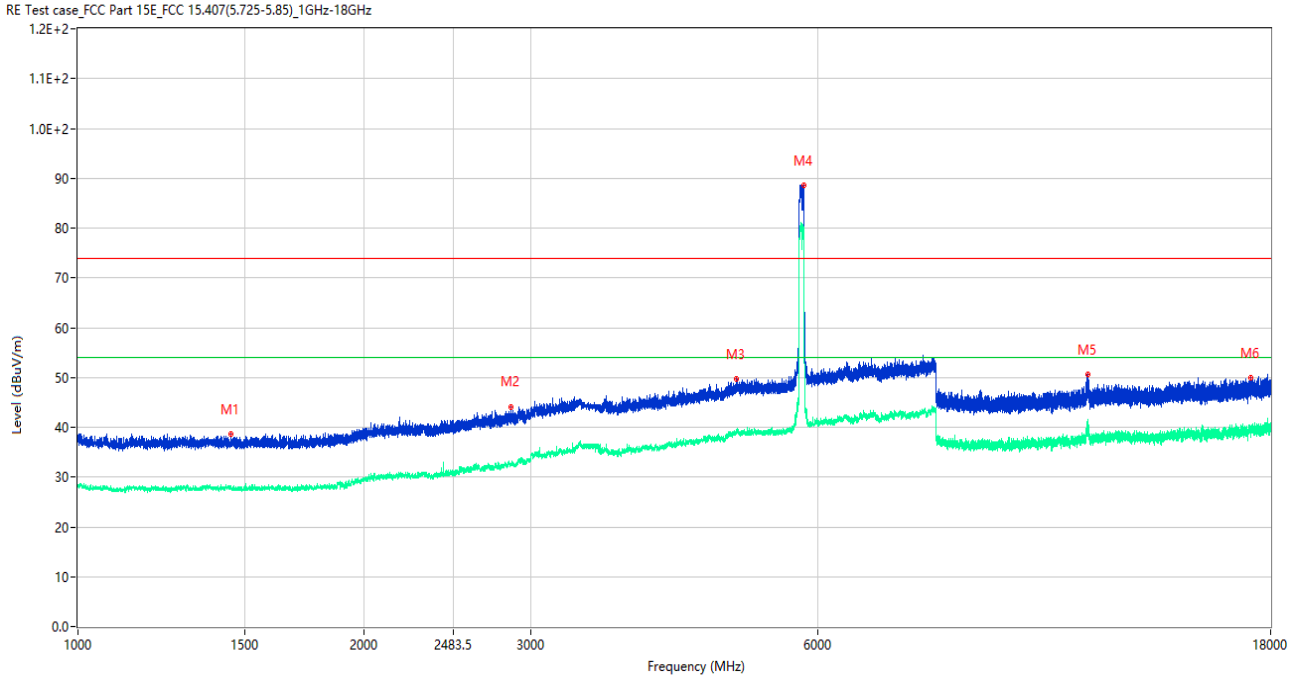
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1356.750	38.96	-15.82	74.0	35.04	Peak	225.00	150	Vertical	Pass
1**	1356.750	28.02	-15.82	54.0	25.98	AV	225.00	150	Vertical	Pass
2	3872.500	47.24	-5.05	74.0	26.76	Peak	0.00	150	Vertical	Pass
2**	3872.500	35.77	-5.05	54.0	18.23	AV	0.00	150	Vertical	Pass
3	5796.500	92.97	-1.41	74.0	-18.97	Peak	80.00	150	Vertical	N/A
3**	5796.500	84.84	-1.41	54.0	-30.84	AV	80.00	150	Vertical	N/A
4	11588.388	52.97	-2.38	74.0	21.03	Peak	192.00	150	Vertical	Pass
4**	11588.388	41.15	-2.38	54.0	12.85	AV	192.00	150	Vertical	Pass
5	11588.625	50.05	-2.38	74.0	23.95	Peak	216.00	150	Vertical	Pass
5**	11588.625	43.68	-2.38	54.0	10.32	AV	216.00	150	Vertical	Pass
6	17449.802	49.99	0.35	74.0	24.01	Peak	81.00	150	Vertical	Pass
6**	17449.802	39.56	0.35	54.0	14.44	AV	81.00	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	1299.500	38.87	-15.64	74.0	35.13	Peak	255.00	150	Horizontal	Pass
1**	1299.500	27.61	-15.64	54.0	26.39	AV	255.00	150	Horizontal	Pass
2	3209.000	45.40	-6.98	74.0	28.60	Peak	217.00	150	Horizontal	Pass
2**	3209.000	35.08	-6.98	54.0	18.92	AV	217.00	150	Horizontal	Pass
3	4625.500	49.02	-2.64	74.0	24.98	Peak	0.00	150	Horizontal	Pass
3**	4625.500	38.07	-2.64	54.0	15.93	AV	0.00	150	Horizontal	Pass
4	5776.500	98.91	-1.54	74.0	-24.91	Peak	176.00	150	Horizontal	N/A
4**	5776.500	90.85	-1.54	54.0	-36.85	AV	176.00	150	Horizontal	N/A
5	11566.775	49.81	-2.33	74.0	24.19	Peak	168.00	150	Horizontal	Pass
5**	11566.775	39.85	-2.33	54.0	14.15	AV	168.00	150	Horizontal	Pass
6	16176.151	50.49	-1.04	74.0	23.51	Peak	360.00	150	Horizontal	Pass
6**	16176.151	38.87	-1.04	54.0	15.13	AV	360.00	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	1447.250	38.63	-15.96	74.0	35.37	Peak	104.00	150	Vertical	Pass
1**	1447.250	27.66	-15.96	54.0	26.34	AV	104.00	150	Vertical	Pass
2	2854.750	44.11	-9.61	74.0	29.89	Peak	172.00	150	Vertical	Pass
2**	2854.750	32.64	-9.61	54.0	21.36	AV	172.00	150	Vertical	Pass
3	4936.000	49.79	-1.98	74.0	24.21	Peak	0.00	150	Vertical	Pass
3**	4936.000	39.37	-1.98	54.0	14.63	AV	0.00	150	Vertical	Pass
4	5801.500	88.62	-1.38	74.0	-14.62	Peak	88.00	150	Vertical	N/A
4**	5801.500	77.74	-1.38	54.0	-23.74	AV	88.00	150	Vertical	N/A
5	11566.537	50.54	-2.31	74.0	23.46	Peak	217.00	150	Vertical	Pass
5**	11566.537	39.92	-2.31	54.0	14.08	AV	217.00	150	Vertical	Pass
6	17135.324	49.86	-0.21	74.0	24.14	Peak	15.00	150	Vertical	Pass
6**	17135.324	39.18	-0.21	54.0	14.82	AV	15.00	150	Vertical	Pass

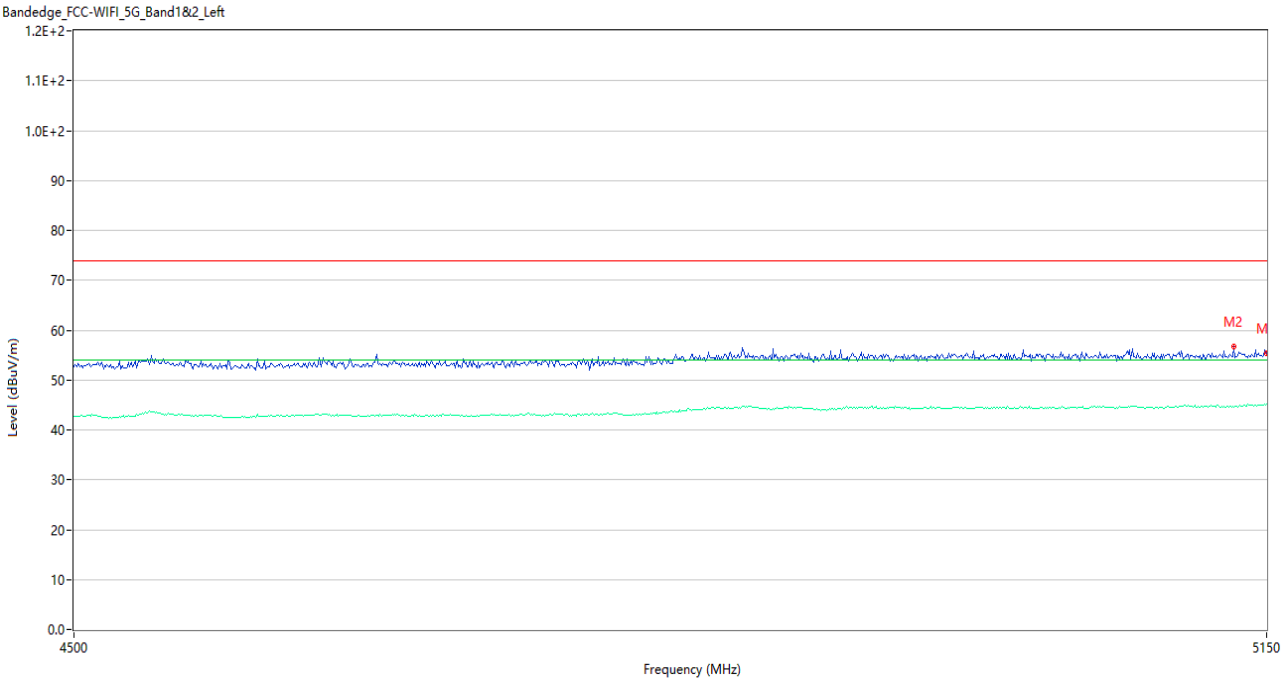
A.6.2 Band Edge (Restricted-band)

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

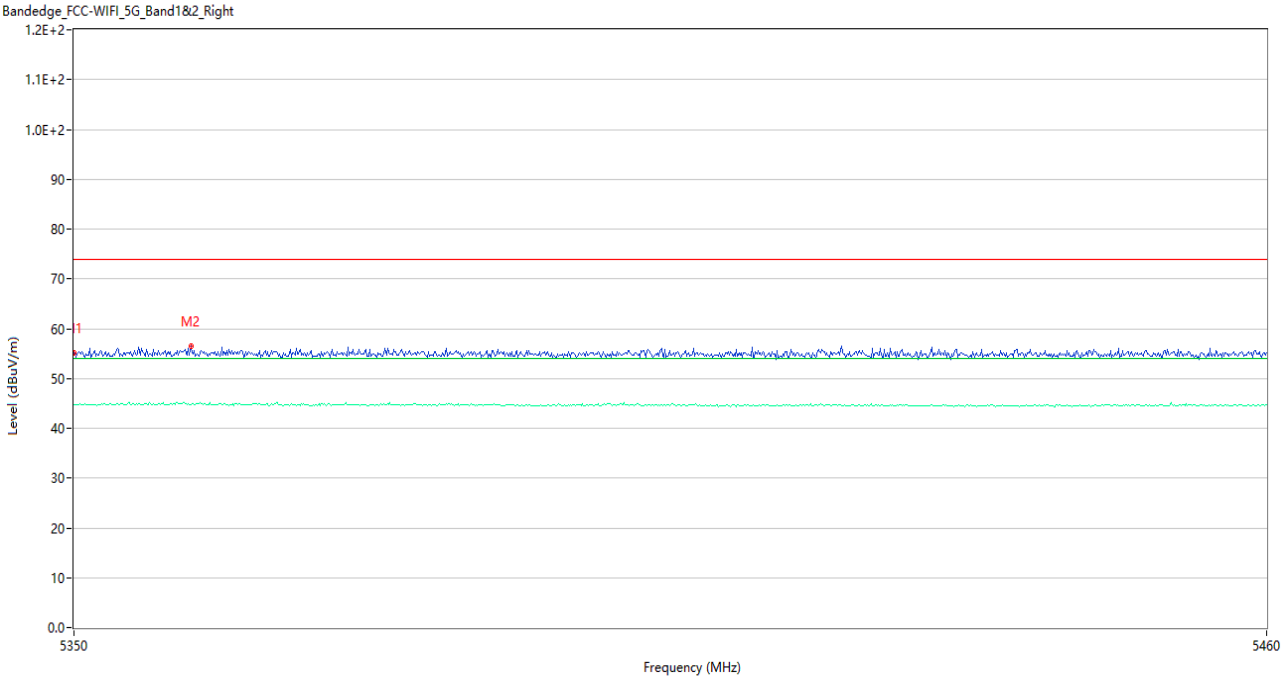
Test Data and Plots

U-NII-1 11a CH36



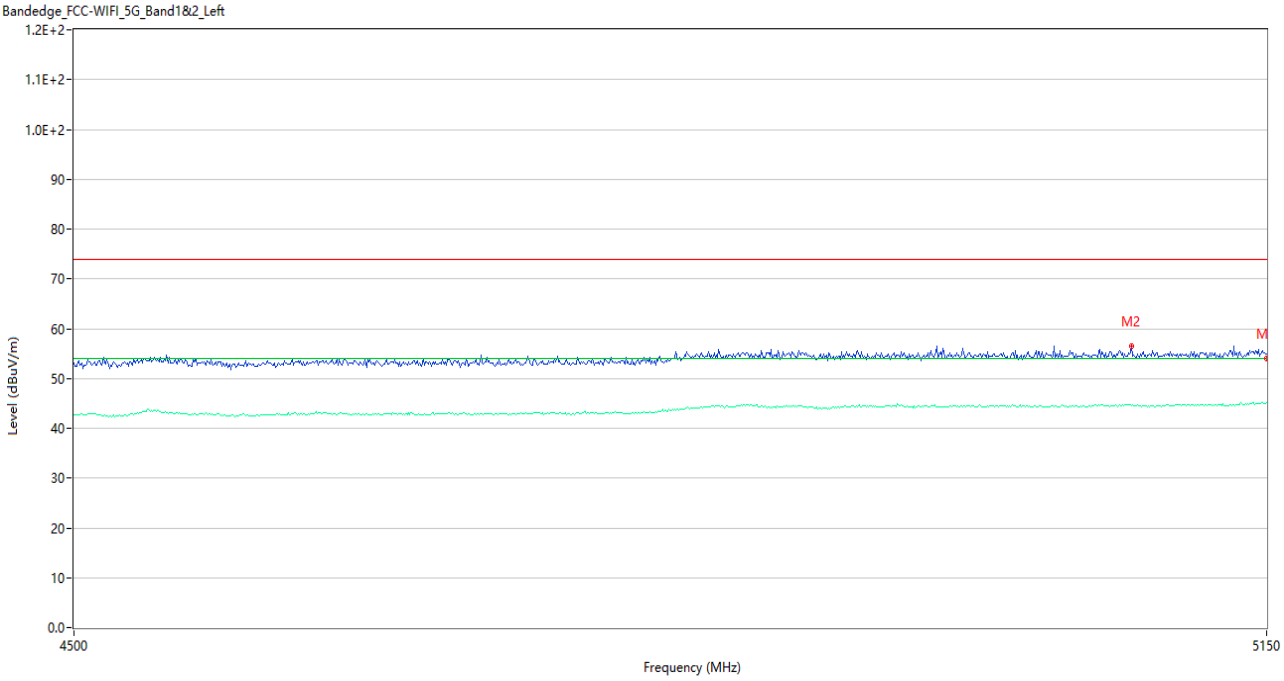
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	55.27	3.82	74.0	18.73	Peak	359.96	150	Horizontal	Pass
1**	5150.000	45.11	3.82	54.0	8.89	AV	359.96	150	Horizontal	Pass
2	5131.150	56.65	3.85	74.0	17.35	Peak	161.00	150	Horizontal	Pass
2**	5131.150	44.57	3.85	54.0	9.43	AV	161.00	150	Horizontal	Pass

U-NII-1 11a CH48



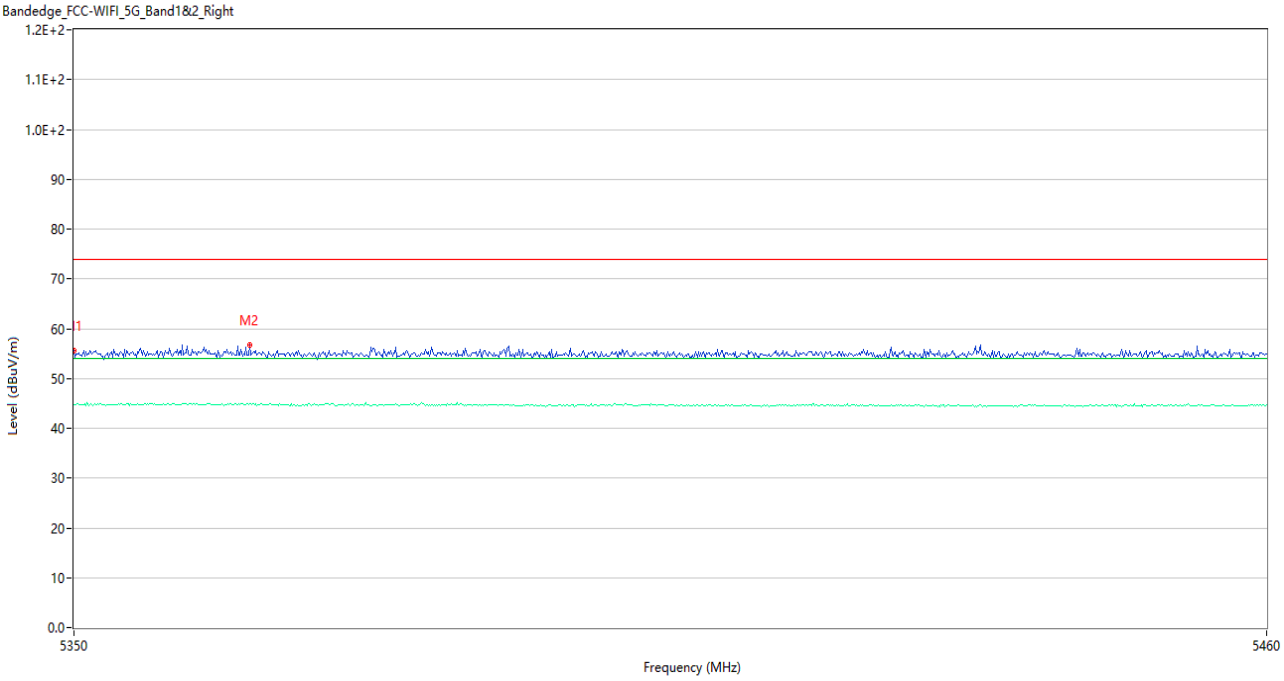
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.12	4.04	74.0	18.88	Peak	102.00	150	Horizontal	Pass
1**	5350.000	44.65	4.04	54.0	9.35	AV	102.00	150	Horizontal	Pass
2	5360.670	56.41	4.22	74.0	17.59	Peak	0.00	150	Horizontal	Pass
2**	5360.670	44.80	4.22	54.0	9.20	AV	0.00	150	Horizontal	Pass

U-NII-1 11ac20 CH36



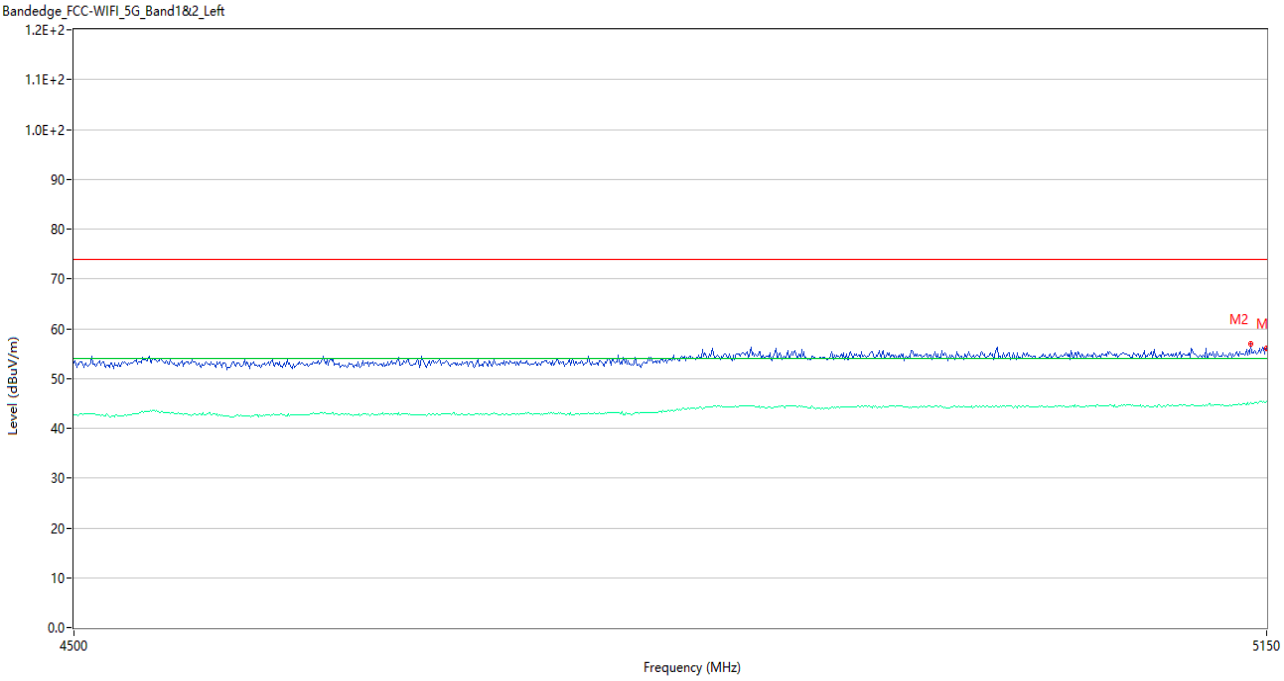
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	54.88	3.82	74.0	19.12	Peak	355.99	150	Horizontal	Pass
1**	5150.000	45.20	3.82	54.0	8.80	AV	355.99	150	Horizontal	Pass
2	5072.000	56.49	3.67	74.0	17.51	Peak	0.00	150	Horizontal	Pass
2**	5072.000	44.62	3.67	54.0	9.38	AV	0.00	150	Horizontal	Pass

U-NII-1 11ac20 CH48



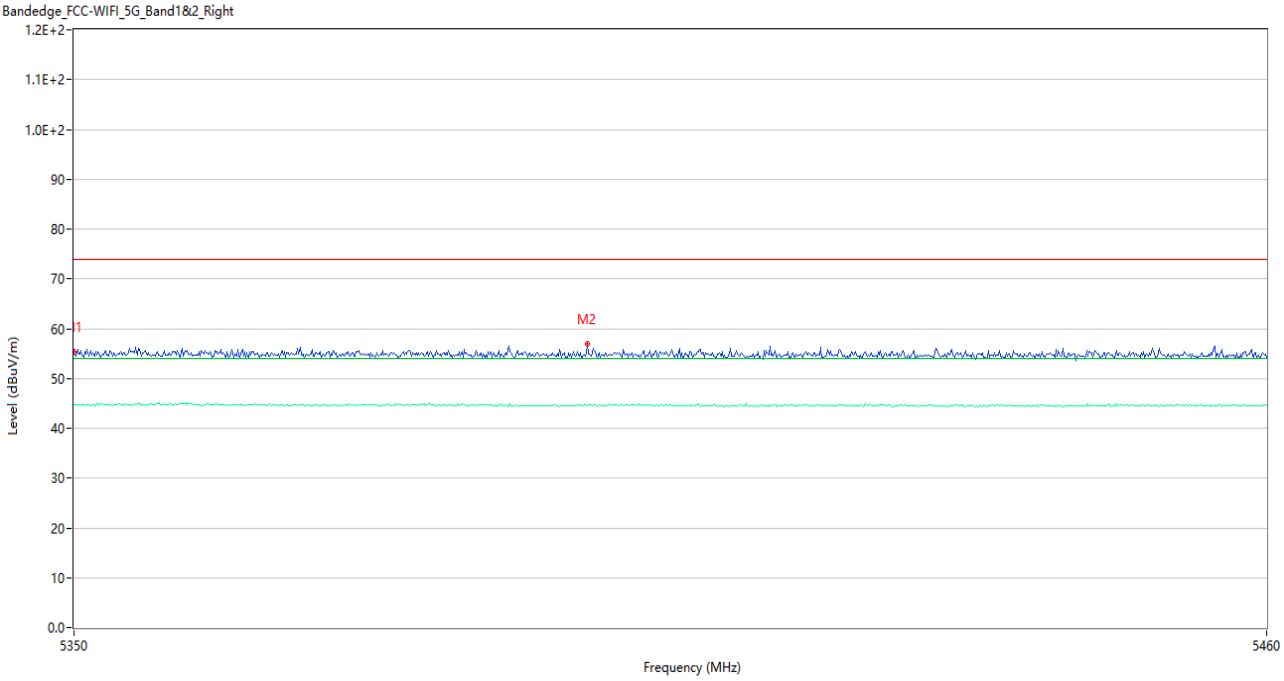
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.54	4.04	74.0	18.46	Peak	18.00	150	Horizontal	Pass
1**	5350.000	44.67	4.04	54.0	9.33	AV	18.00	150	Horizontal	Pass
2	5366.060	56.73	4.07	74.0	17.27	Peak	8.00	150	Horizontal	Pass
2**	5366.060	44.96	4.07	54.0	9.04	AV	8.00	150	Horizontal	Pass

U-NII-1 11ac40 CH38



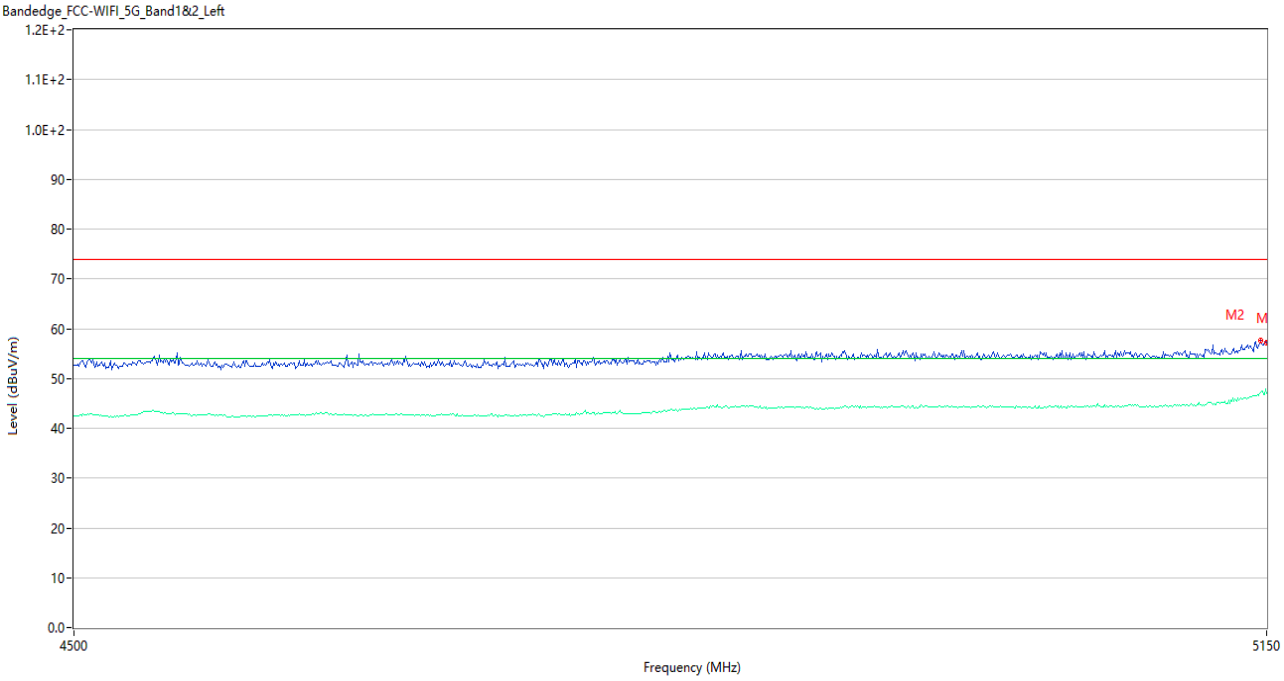
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	55.95	3.82	74.0	18.05	Peak	232.99	150	Horizontal	Pass
1**	5150.000	45.43	3.82	54.0	8.57	AV	232.99	150	Horizontal	Pass
2	5140.900	56.97	4.07	74.0	17.03	Peak	209.00	150	Horizontal	Pass
2**	5140.900	45.26	4.07	54.0	8.74	AV	209.00	150	Horizontal	Pass

U-NII-1 11ac40 CH46



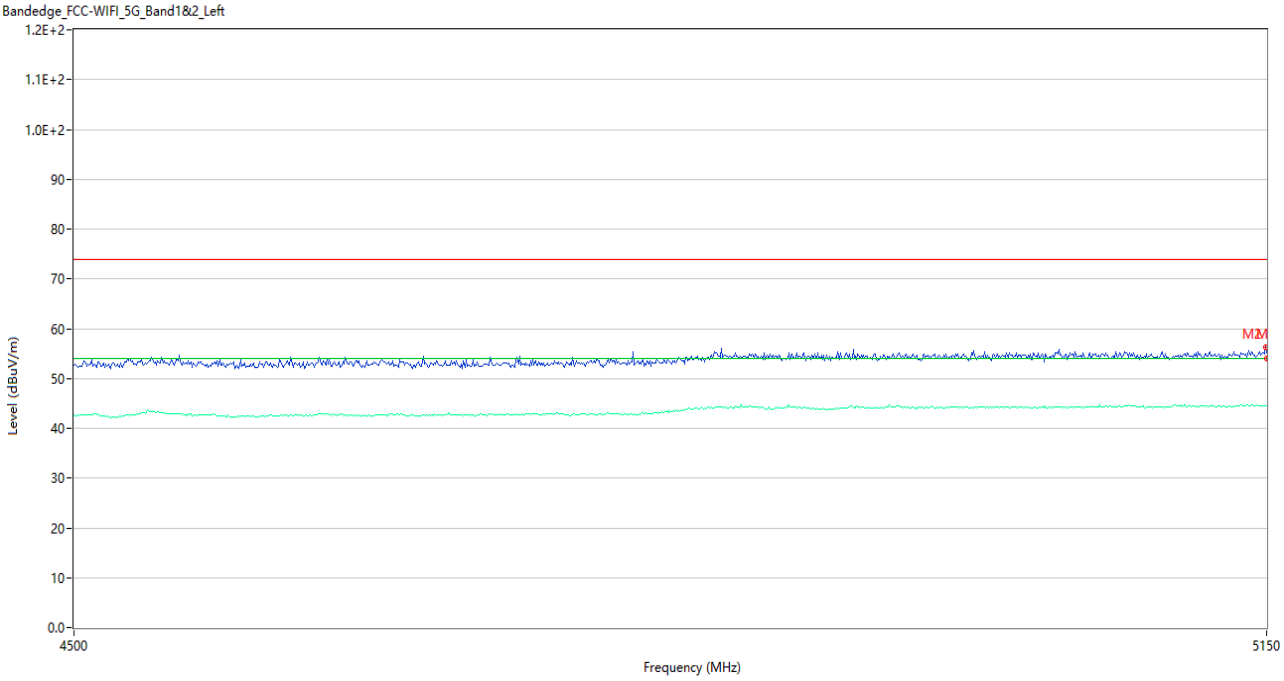
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.34	4.04	74.0	18.66	Peak	102.00	150	Horizontal	Pass
1**	5350.000	44.78	4.04	54.0	9.22	AV	102.00	150	Horizontal	Pass
2	5397.080	57.01	4.08	74.0	16.99	Peak	54.00	150	Horizontal	Pass
2**	5397.080	44.59	4.08	54.0	9.41	AV	54.00	150	Horizontal	Pass

U-NII-1 11ac80 CH42



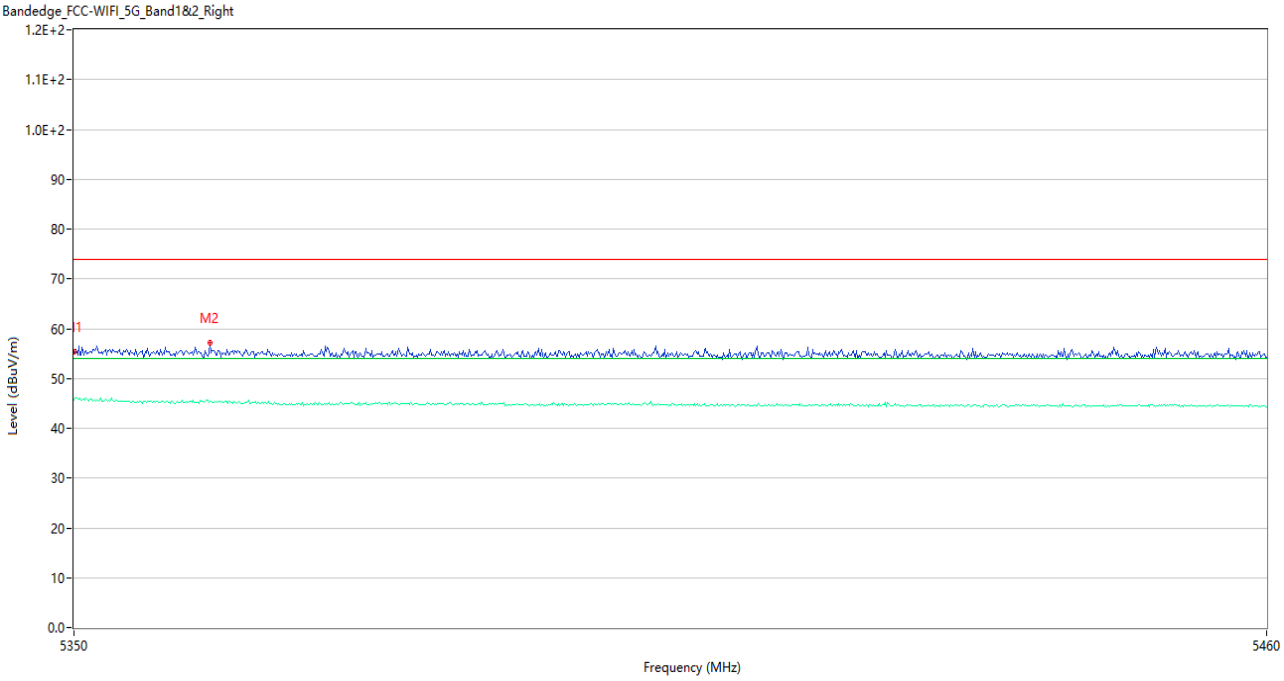
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	57.10	3.82	74.0	16.90	Peak	203.97	150	Horizontal	Pass
1**	5150.000	47.05	3.82	54.0	6.95	AV	203.97	150	Horizontal	Pass
2	5146.750	57.63	3.91	74.0	16.37	Peak	182.00	150	Horizontal	Pass
2**	5146.750	47.29	3.91	54.0	6.71	AV	182.00	150	Horizontal	Pass

U-NII-2A 11a CH52



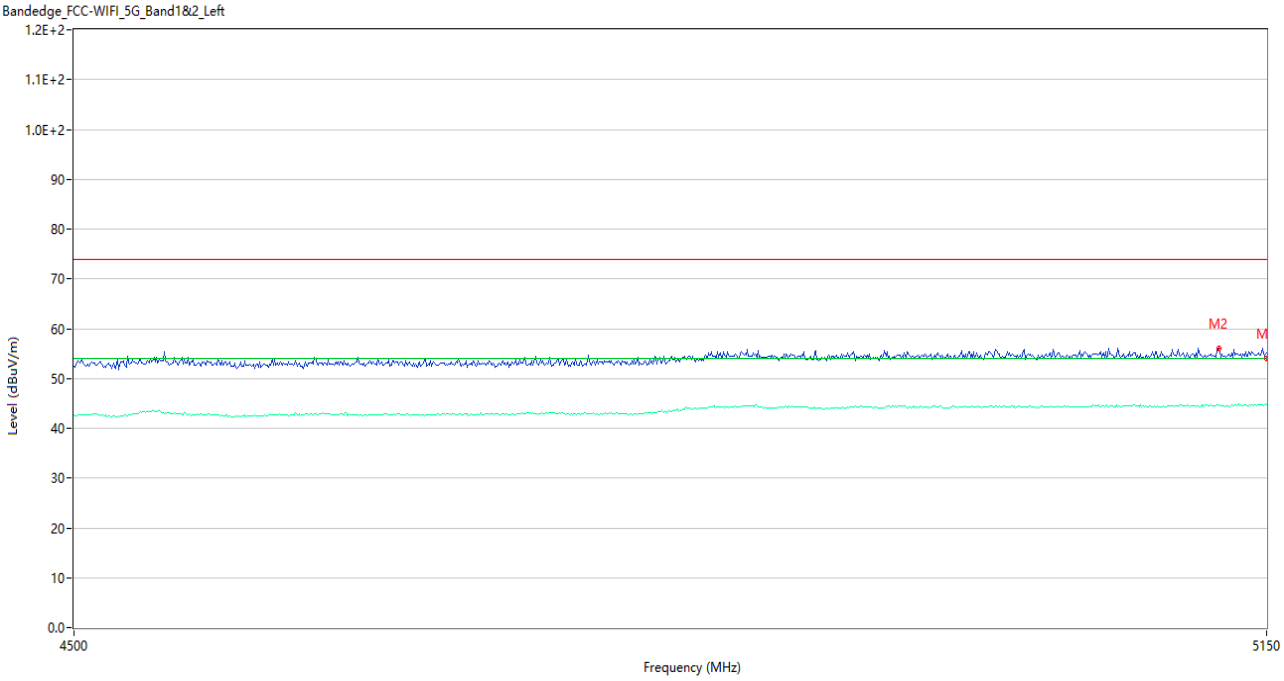
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	55.12	3.82	74.0	18.88	Peak	108.05	150	Horizontal	Pass
1**	5150.000	44.63	3.82	54.0	9.37	AV	108.05	150	Horizontal	Pass
2	5149.350	56.20	3.84	74.0	17.80	Peak	357.00	150	Horizontal	Pass
2**	5149.350	44.59	3.84	54.0	9.41	AV	357.00	150	Horizontal	Pass

U-NII-2A 11a CH64



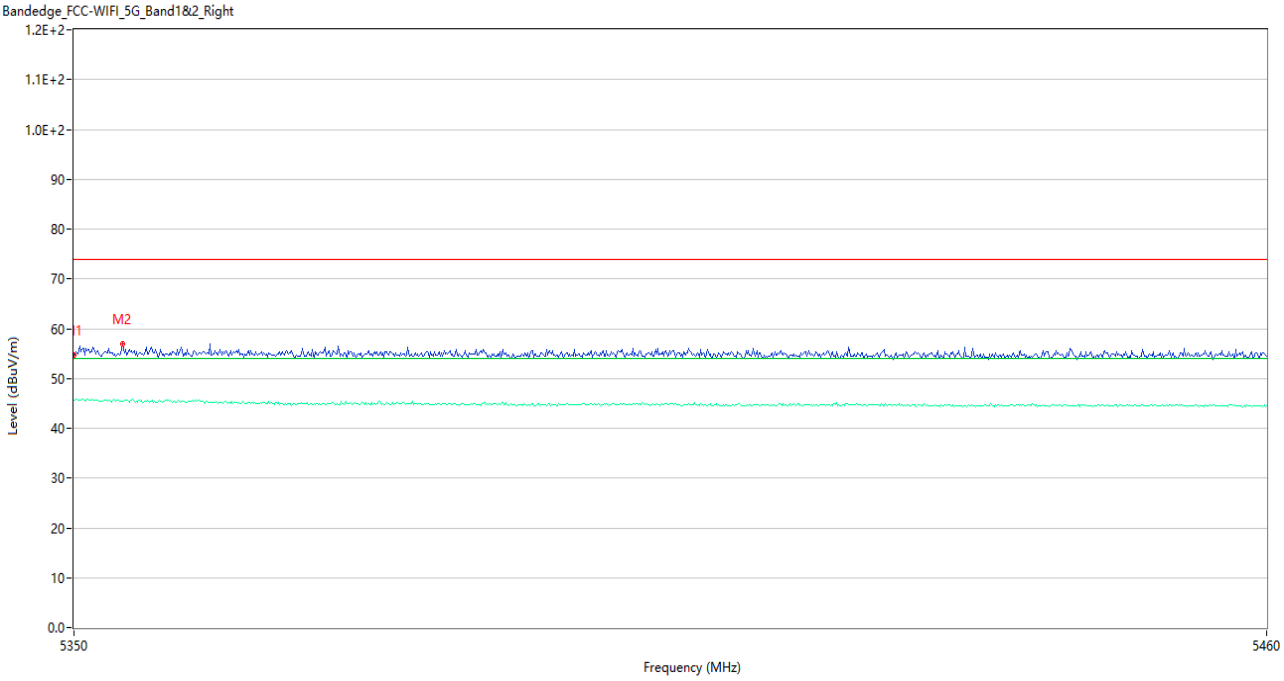
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.44	4.04	74.0	18.56	Peak	160.00	150	Horizontal	Pass
1**	5350.000	45.69	4.04	54.0	8.31	AV	160.00	150	Horizontal	Pass
2	5362.430	57.15	4.17	74.0	16.85	Peak	191.00	150	Horizontal	Pass
2**	5362.430	45.37	4.17	54.0	8.63	AV	191.00	150	Horizontal	Pass

U-NII-2A 11ac20 CH52



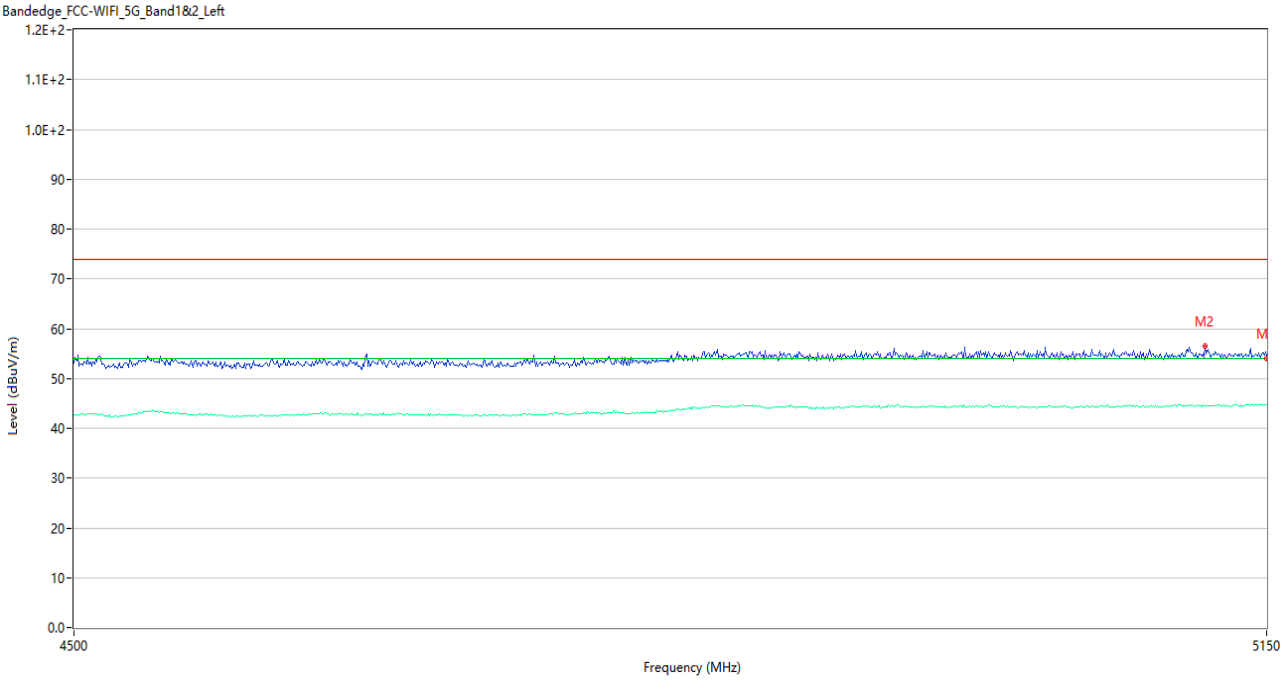
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	55.09	3.82	74.0	18.91	Peak	307.01	150	Horizontal	Pass
1**	5150.000	44.79	3.82	54.0	9.21	AV	307.01	150	Horizontal	Pass
2	5122.050	56.12	3.76	74.0	17.88	Peak	338.00	150	Horizontal	Pass
2**	5122.050	44.58	3.76	54.0	9.42	AV	338.00	150	Horizontal	Pass

U-NII-2A 11ac20 CH64



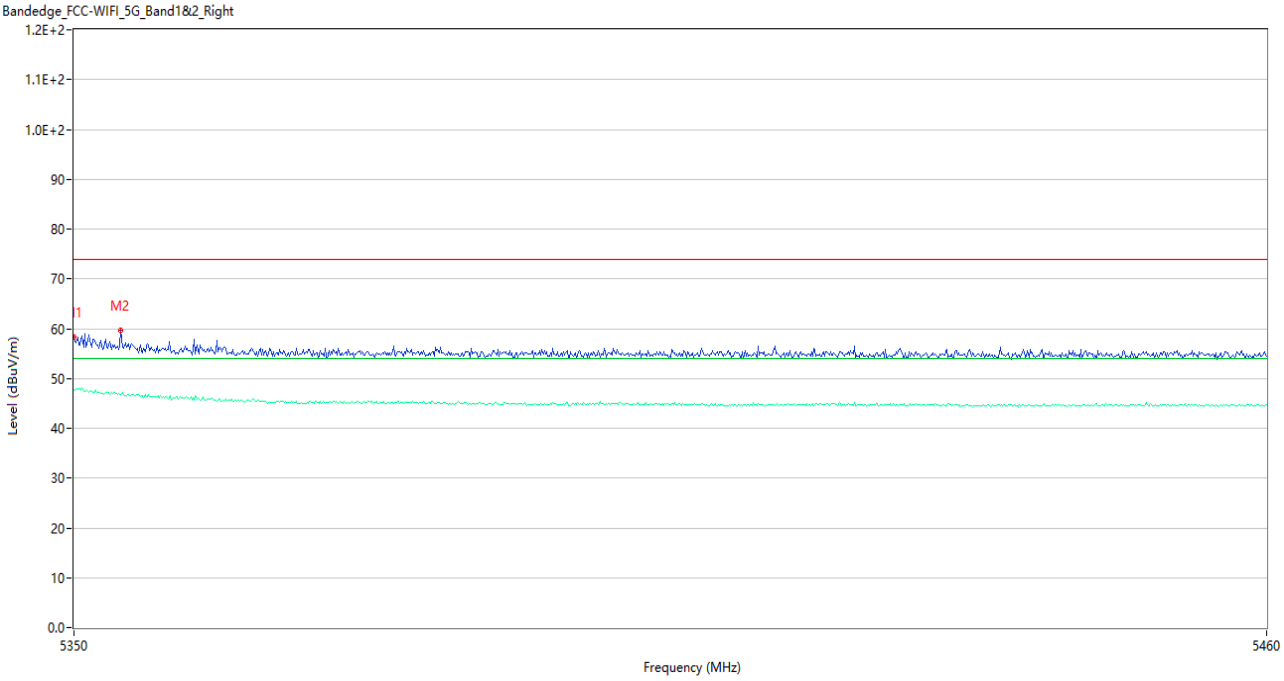
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	54.76	4.04	74.0	19.24	Peak	234.00	150	Horizontal	Pass
1**	5350.000	45.64	4.04	54.0	8.36	AV	234.00	150	Horizontal	Pass
2	5354.400	56.98	4.12	74.0	17.02	Peak	188.00	150	Horizontal	Pass
2**	5354.400	45.47	4.12	54.0	8.53	AV	188.00	150	Horizontal	Pass

U-NII-2A 11ac40 CH54



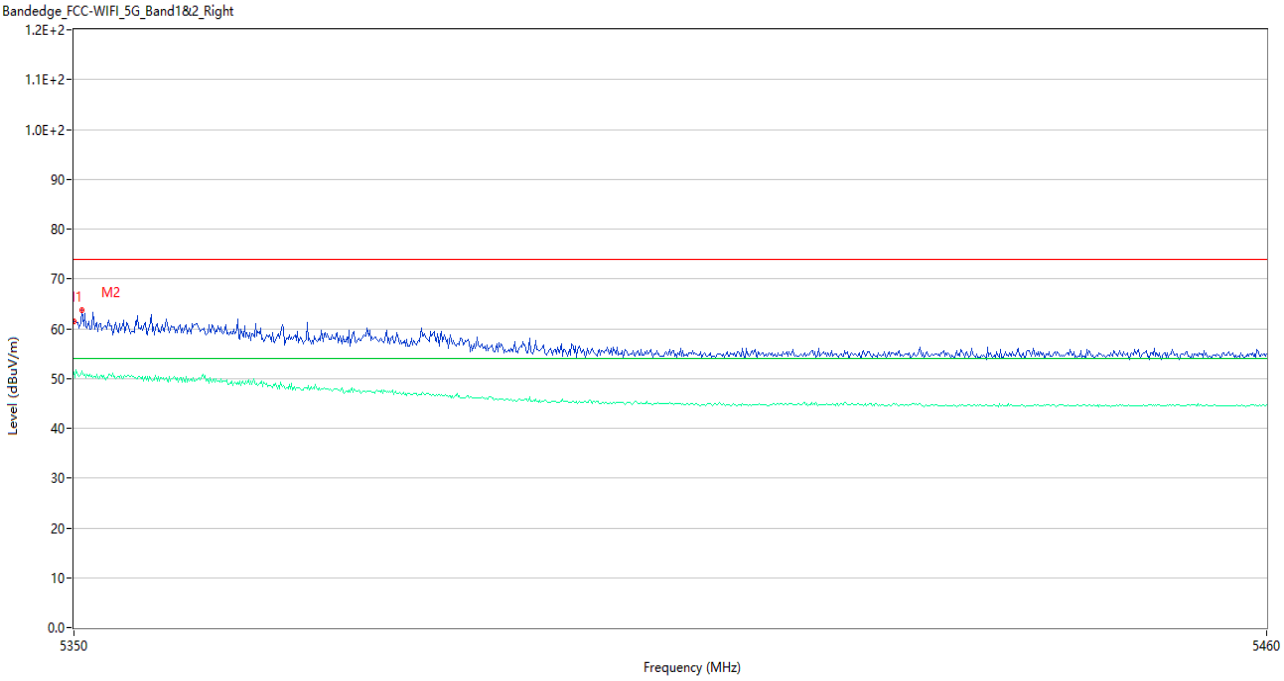
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	54.67	3.82	74.0	19.33	Peak	348.00	150	Horizontal	Pass
1**	5150.000	44.68	3.82	54.0	9.32	AV	348.00	150	Horizontal	Pass
2	5114.250	56.56	3.65	74.0	17.44	Peak	200.00	150	Horizontal	Pass
2**	5114.250	44.50	3.65	54.0	9.50	AV	200.00	150	Horizontal	Pass

U-NII-2A 11ac40 CH62



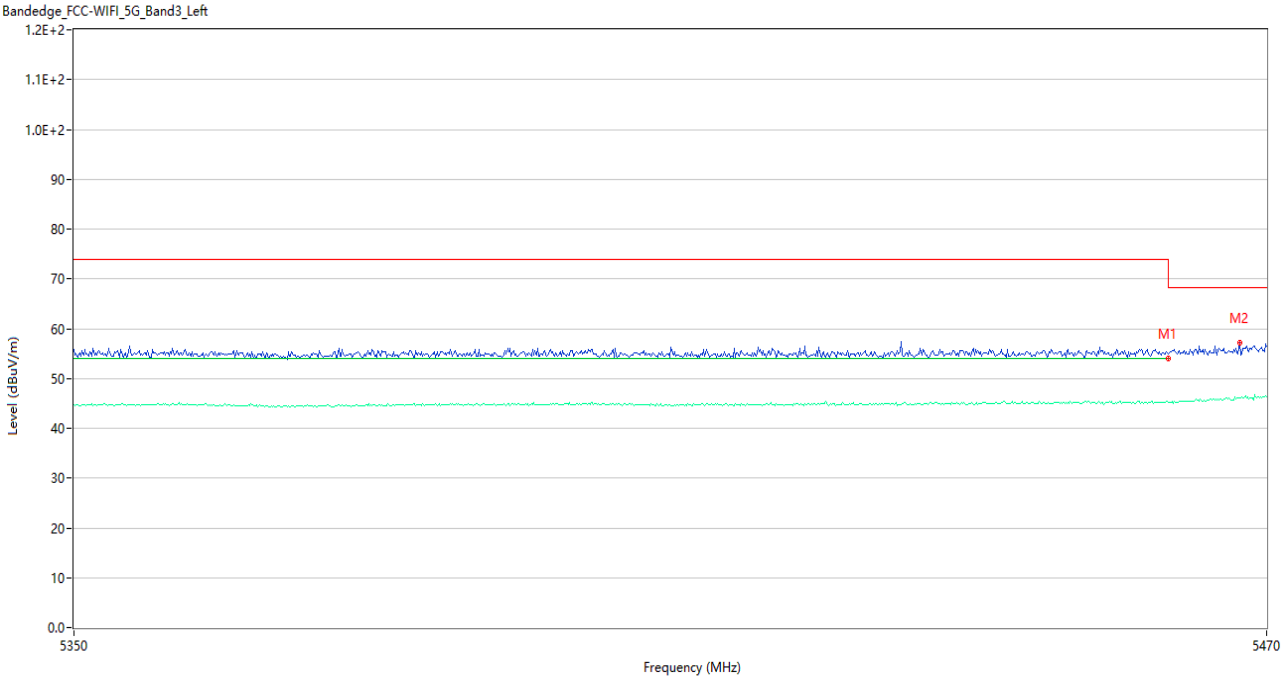
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	58.27	4.04	74.0	15.73	Peak	184.00	150	Horizontal	Pass
1**	5350.000	47.59	4.04	54.0	6.41	AV	184.00	150	Horizontal	Pass
2	5354.290	59.67	4.12	74.0	14.33	Peak	158.00	150	Horizontal	Pass
2**	5354.290	46.70	4.12	54.0	7.30	AV	158.00	150	Horizontal	Pass

U-NII-2A 11ac80 CH58



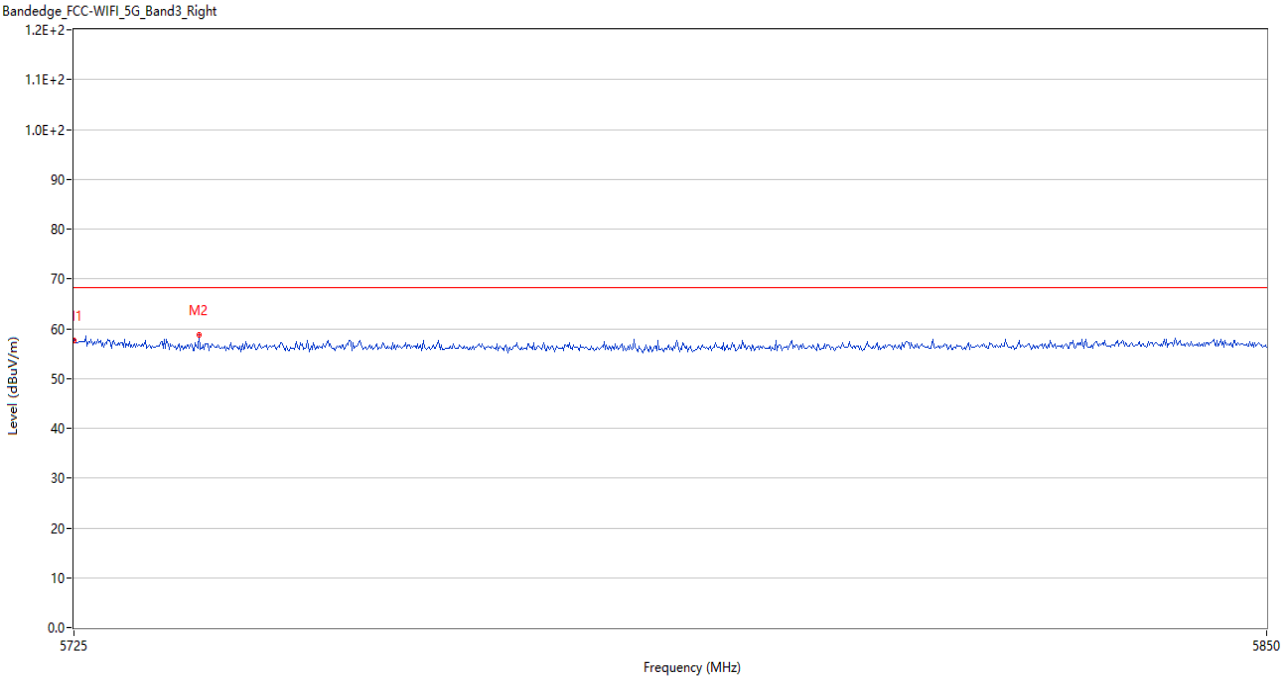
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	61.39	4.04	74.0	12.61	Peak	179.00	150	Horizontal	Pass
1**	5350.000	51.34	4.04	54.0	2.66	AV	179.00	150	Horizontal	Pass
2	5350.770	63.67	4.06	74.0	10.33	Peak	194.00	150	Horizontal	Pass
2**	5350.770	51.49	4.06	54.0	2.51	AV	194.00	150	Horizontal	Pass

U-NII-2C 11a CH100



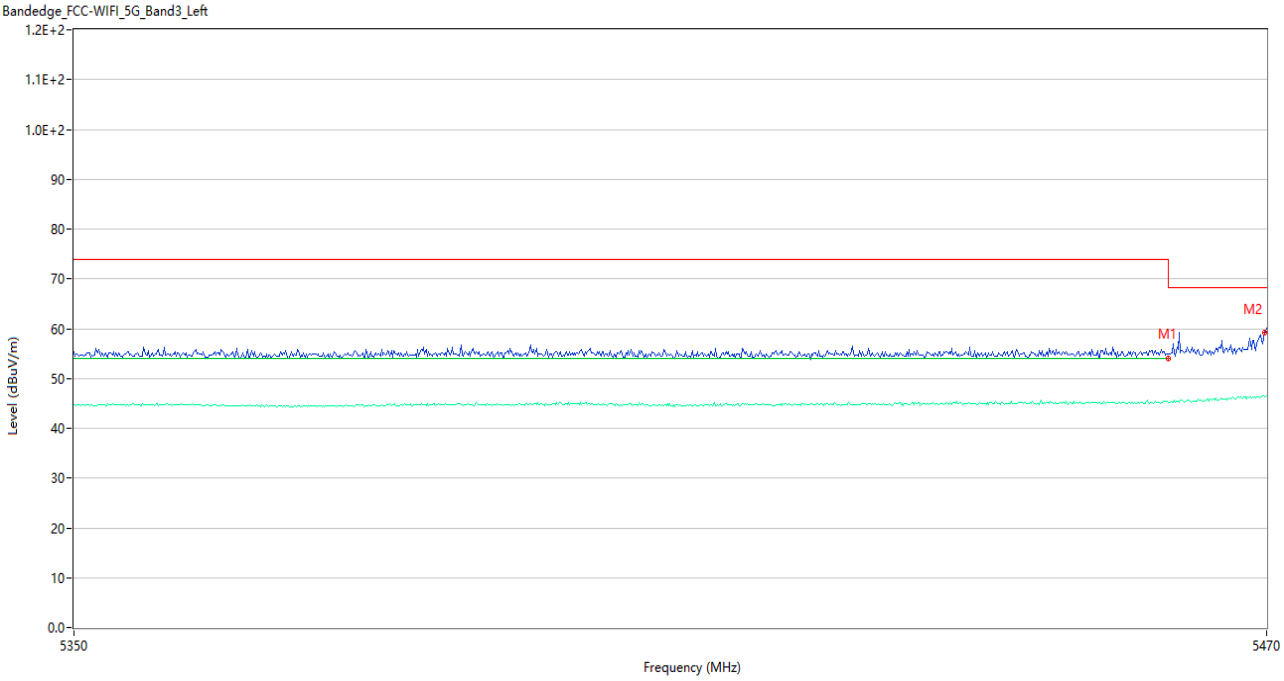
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5460.000	54.91	3.78	68.2	13.29	Peak	69.81	150	Horizontal	Pass
1**	5460.000	45.23	3.78	54.0	8.77	AV	69.81	150	Horizontal	Pass
2	5467.240	57.28	4.02	68.2	10.92	Peak	211.00	150	Horizontal	Pass
2**	5467.240	46.00	4.02	--	-46.00	AV	211.00	150	Horizontal	N/A

U-NII-2C 11a CH140



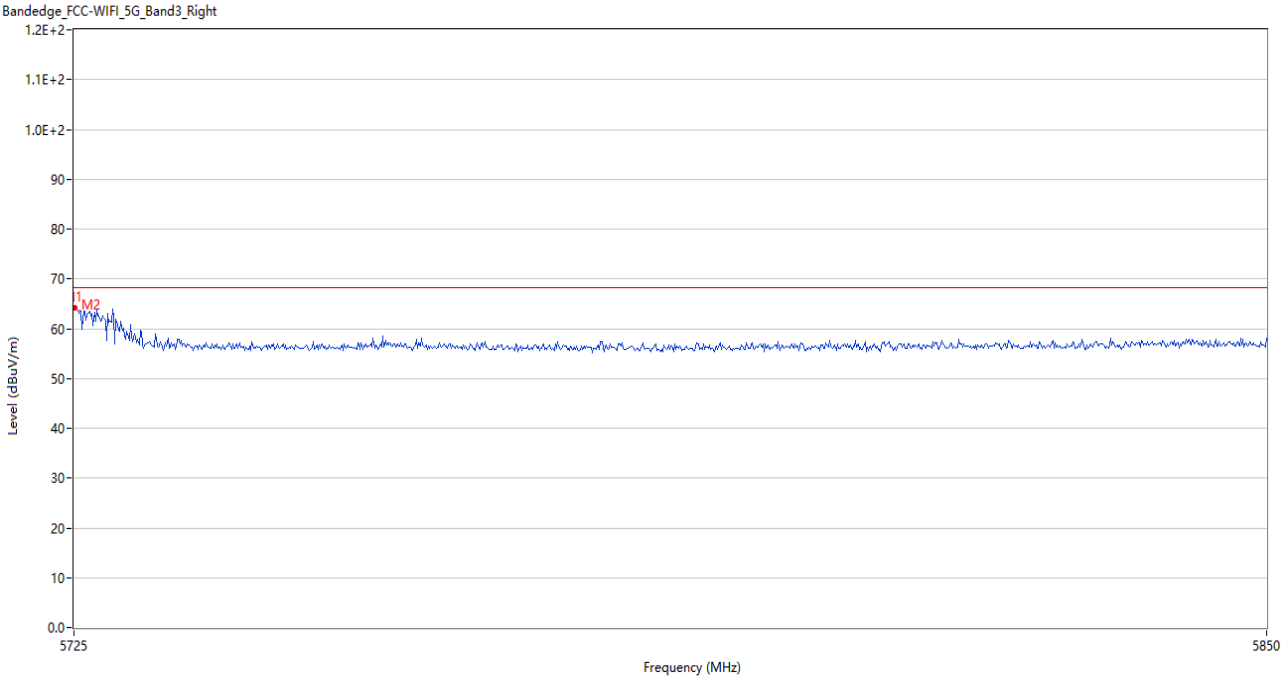
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	57.72	4.31	68.2	10.48	Peak	183.00	150	Horizontal	Pass
2	5738.000	58.74	4.28	68.2	9.46	Peak	183.00	150	Horizontal	Pass

U-NII-2C 11n20 CH100



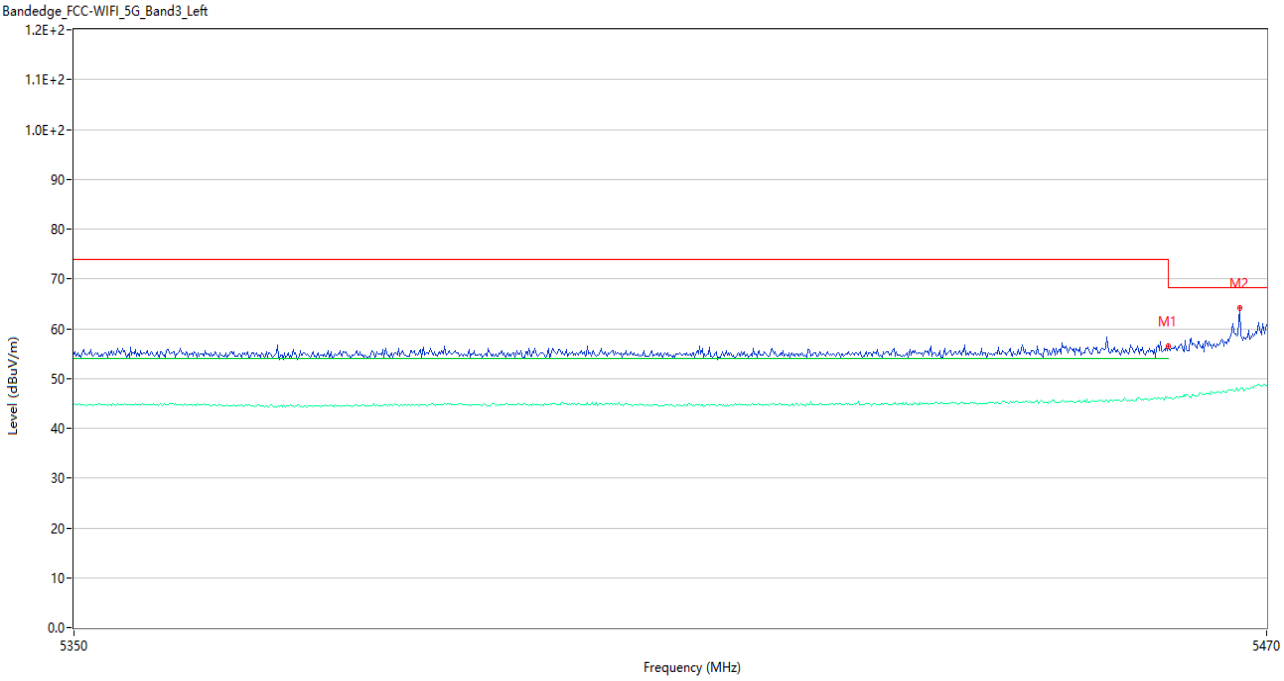
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5460.000	54.95	3.78	68.2	13.25	Peak	188.82	150	Horizontal	Pass
1**	5460.000	45.32	3.78	54.0	8.68	AV	188.82	150	Horizontal	Pass
2	5469.760	59.30	4.09	68.2	8.90	Peak	183.00	150	Horizontal	Pass
2**	5469.760	46.37	4.09	--	-46.37	AV	183.00	150	Horizontal	N/A

U-NII-2C 11n20 CH140



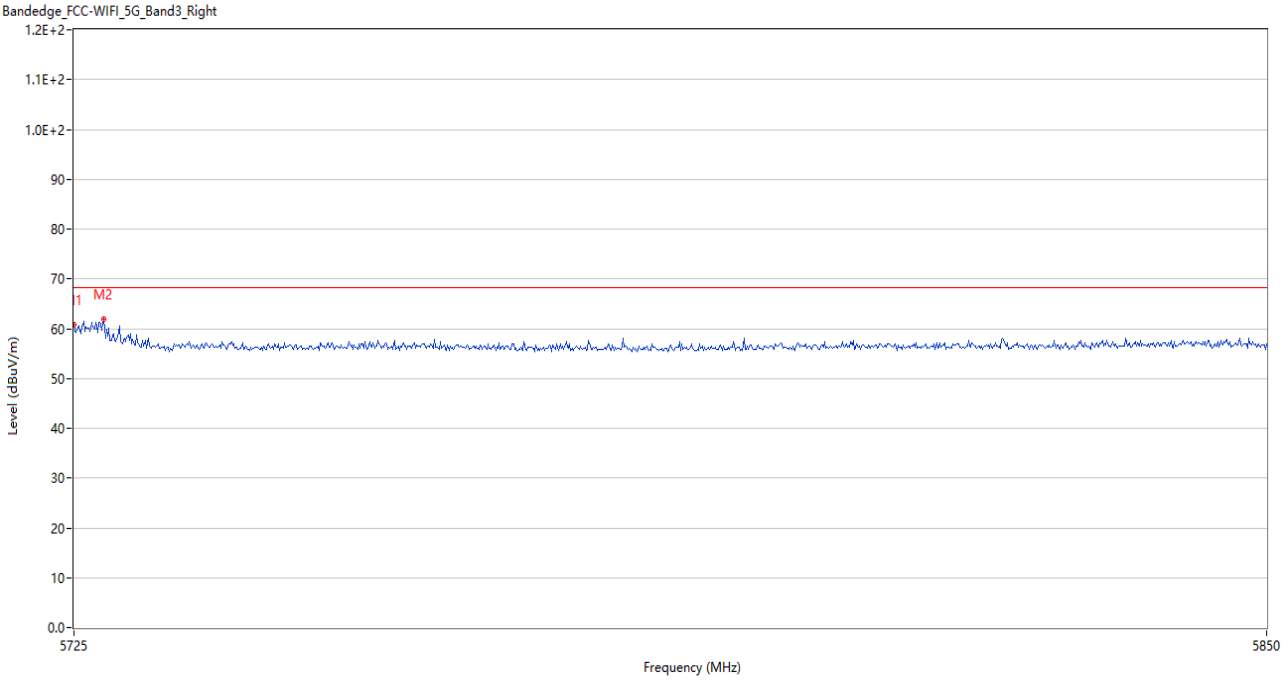
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	64.17	4.31	68.2	4.03	Peak	178.00	150	Horizontal	Pass
2	5725.125	64.29	4.31	68.2	3.91	Peak	173.00	150	Horizontal	Pass

U-NII-2C 11n40 CH102



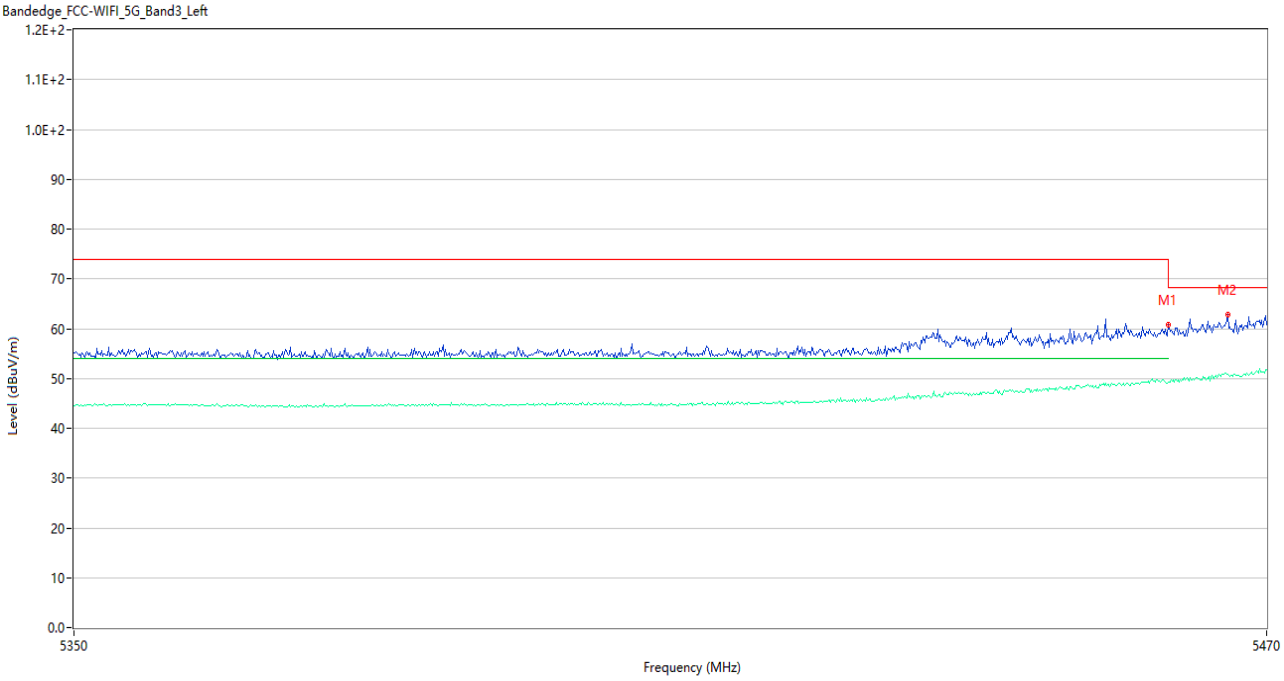
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5460.000	56.19	3.78	68.2	12.01	Peak	177.66	150	Horizontal	Pass
1**	5460.000	46.14	3.78	54.0	7.86	AV	177.66	150	Horizontal	Pass
2	5467.240	64.25	4.02	68.2	3.95	Peak	188.00	150	Horizontal	Pass
2**	5467.240	47.82	4.02	--	-47.82	AV	188.00	150	Horizontal	N/A

U-NII-2C 11n40 CH134



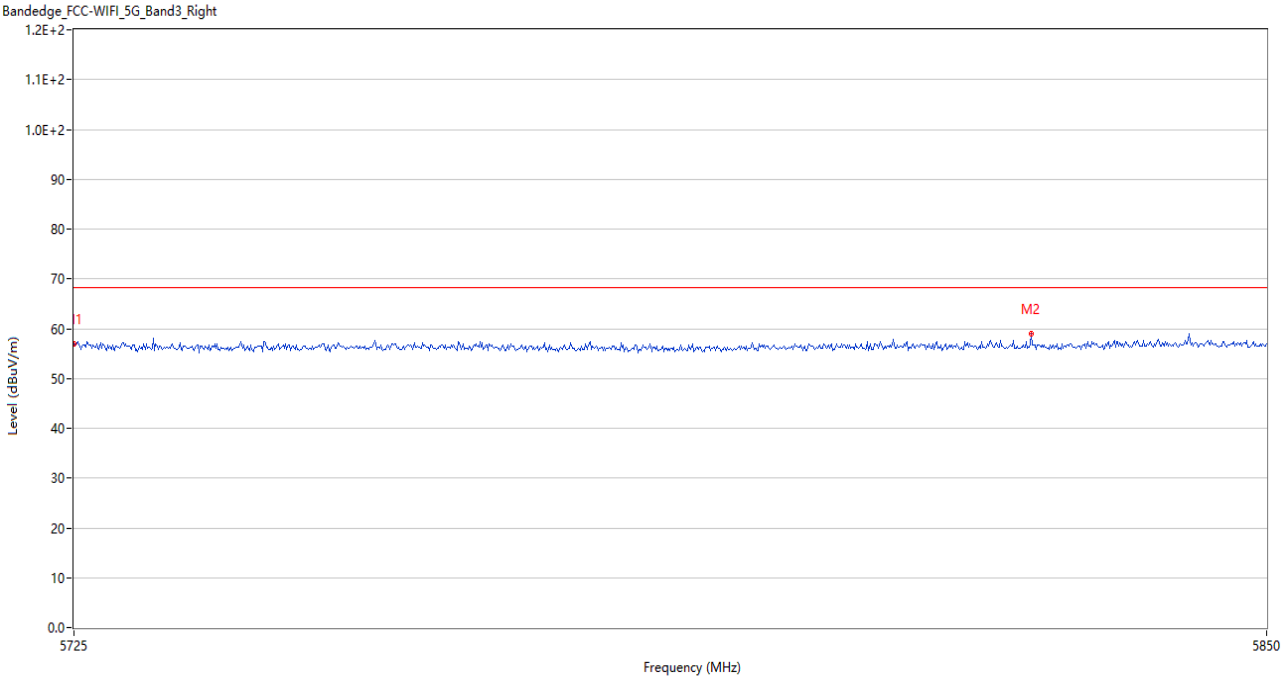
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	60.69	4.31	68.2	7.51	Peak	184.00	150	Horizontal	Pass
2	5728.125	61.93	4.22	68.2	6.27	Peak	162.00	150	Horizontal	Pass

U-NII-2C 11ac80 CH106



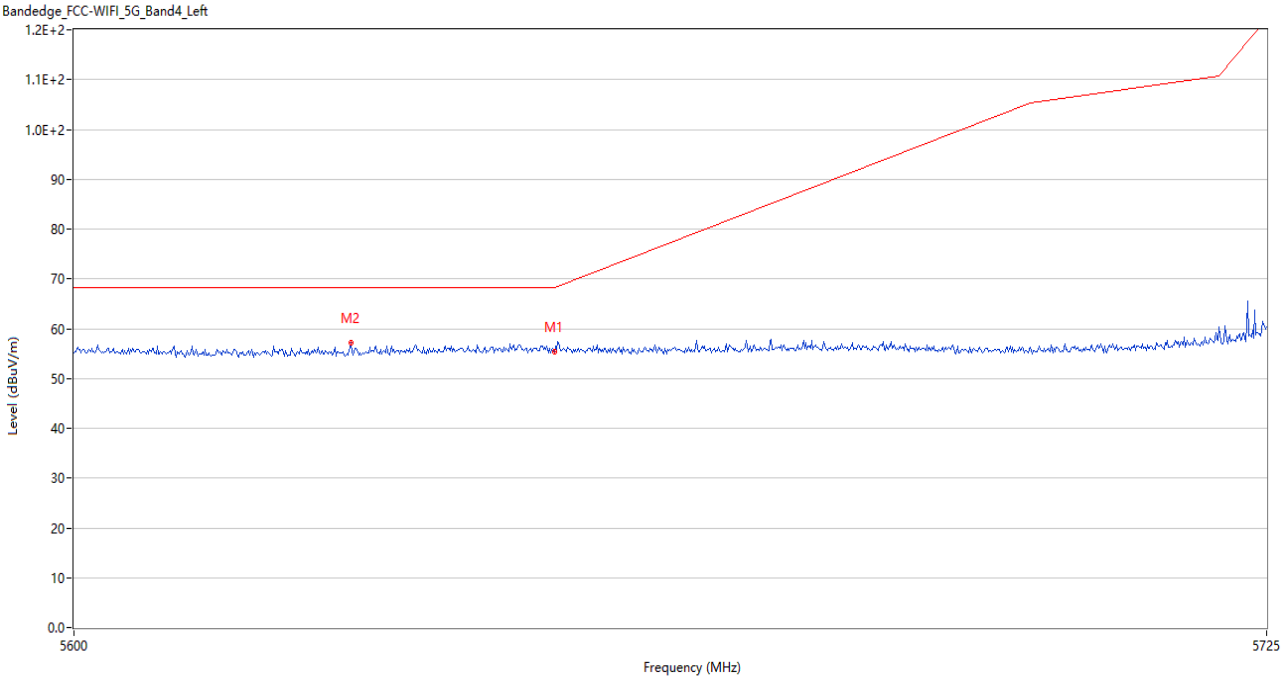
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5460.000	60.01	3.78	68.2	8.19	Peak	161.97	150	Horizontal	Pass
1**	5460.000	49.12	3.78	54.0	4.88	AV	161.97	150	Horizontal	Pass
2	5466.040	62.86	3.97	68.2	5.34	Peak	155.00	150	Horizontal	Pass
2**	5466.040	50.94	3.97	--	-50.94	AV	155.00	150	Horizontal	N/A

U-NII-2C 11ac80 CH122



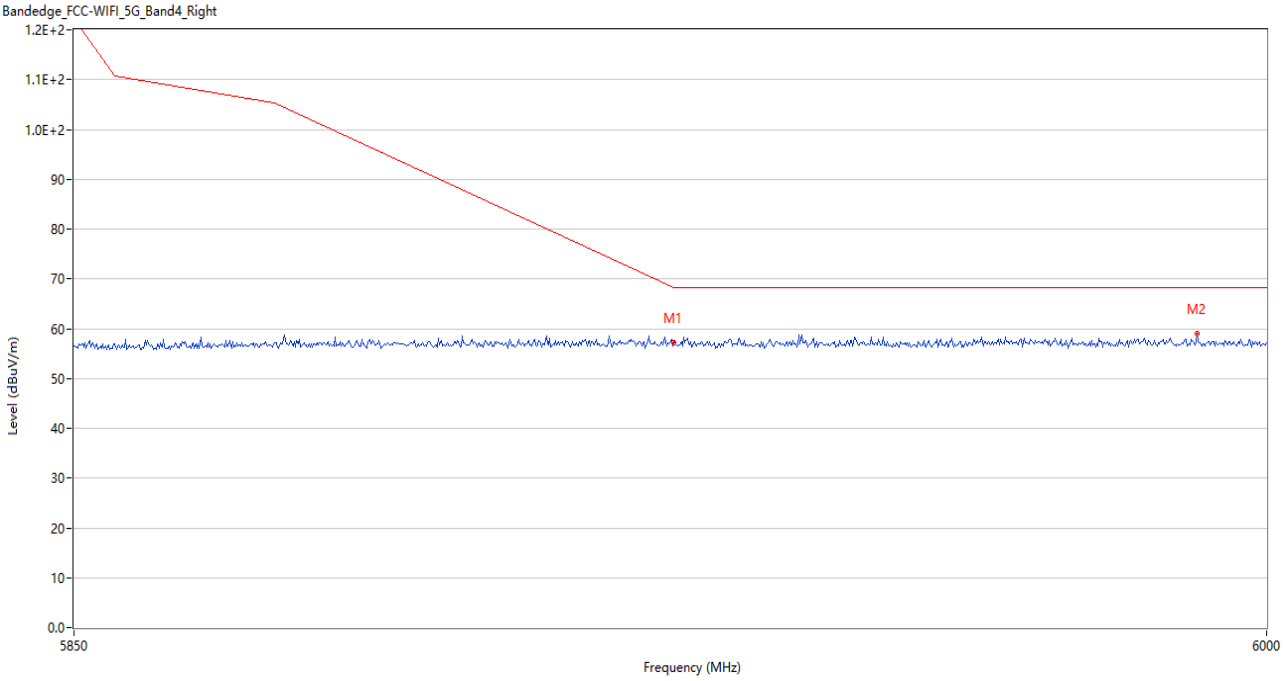
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	56.91	4.31	68.2	11.29	Peak	223.00	150	Horizontal	Pass
2	5825.125	59.01	5.33	68.2	9.19	Peak	163.00	150	Horizontal	Pass

U-NII-3 11a CH149



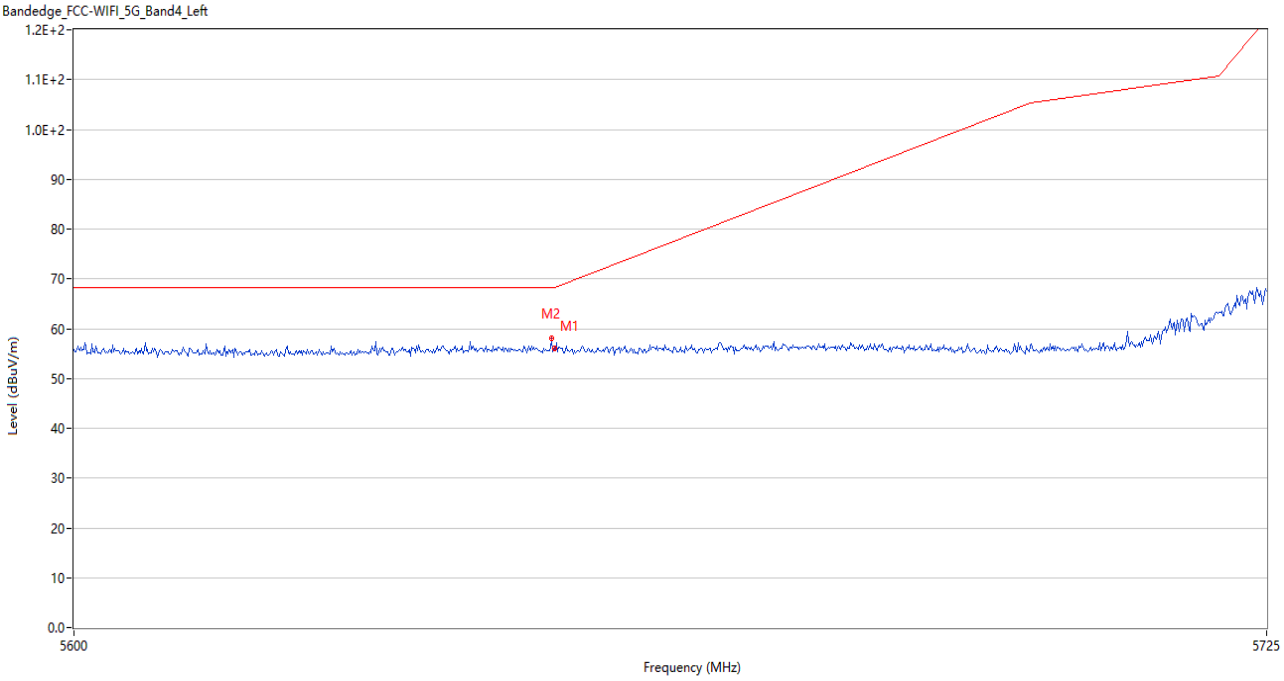
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	55.42	3.81	68.2	12.78	Peak	176.00	150	Horizontal	Pass
2	5628.750	57.23	3.67	68.2	10.97	Peak	227.00	150	Horizontal	Pass

U-NII-3 11a CH165



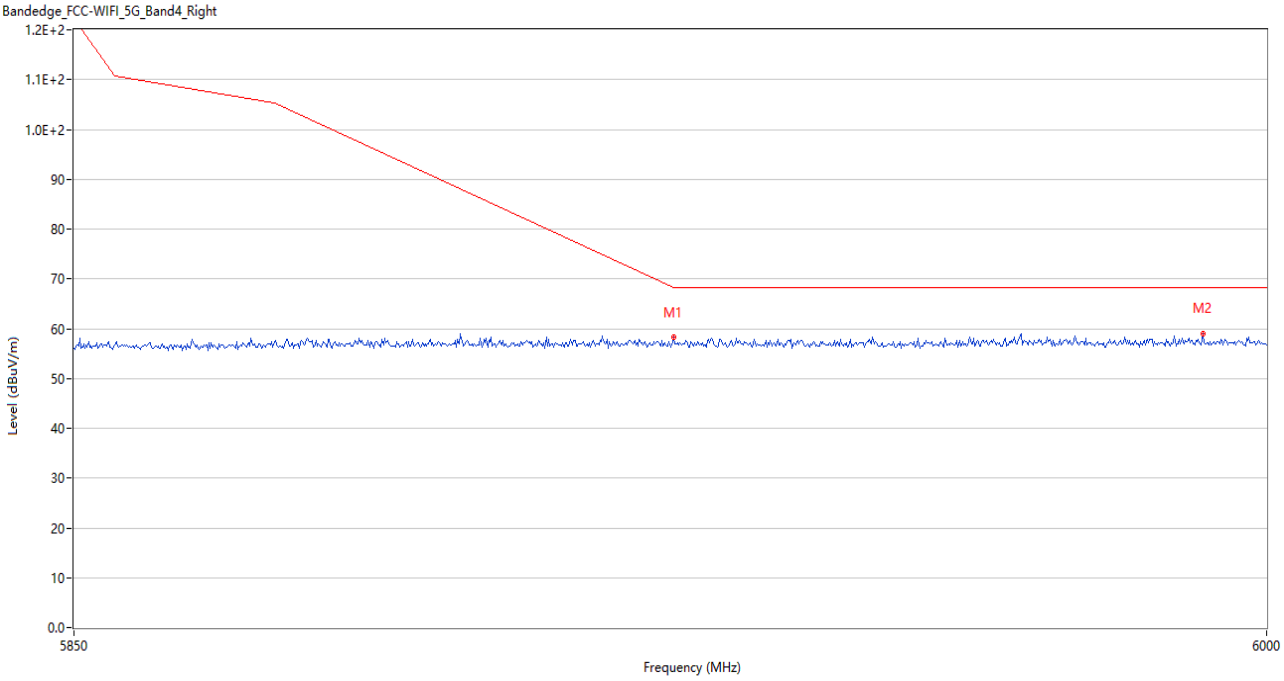
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	57.12	6.44	68.2	11.08	Peak	8.03	150	Vertical	Pass
2	5991.150	58.94	6.40	68.2	9.26	Peak	100.00	150	Vertical	Pass

U-NII-3 11n20 CH149



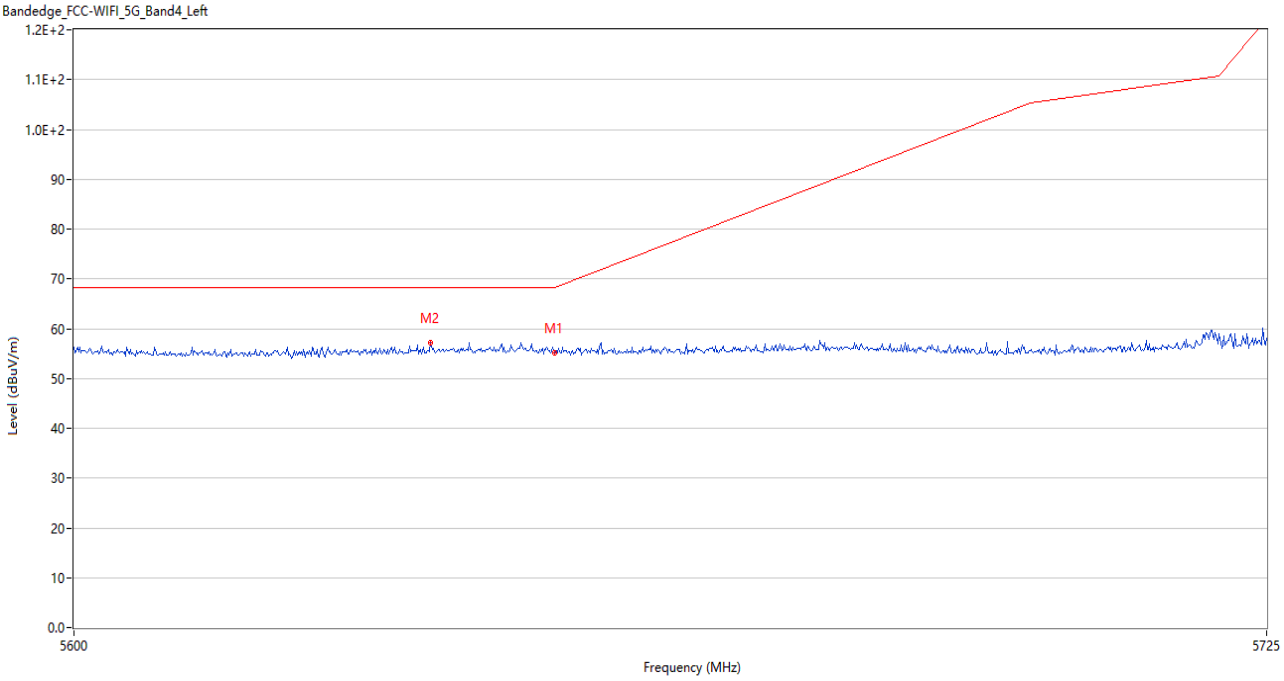
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	56.06	3.81	68.2	12.14	Peak	104.89	150	Horizontal	Pass
2	5649.750	58.10	3.81	68.2	10.10	Peak	164.00	150	Horizontal	Pass

U-NII-3 11n20 CH165



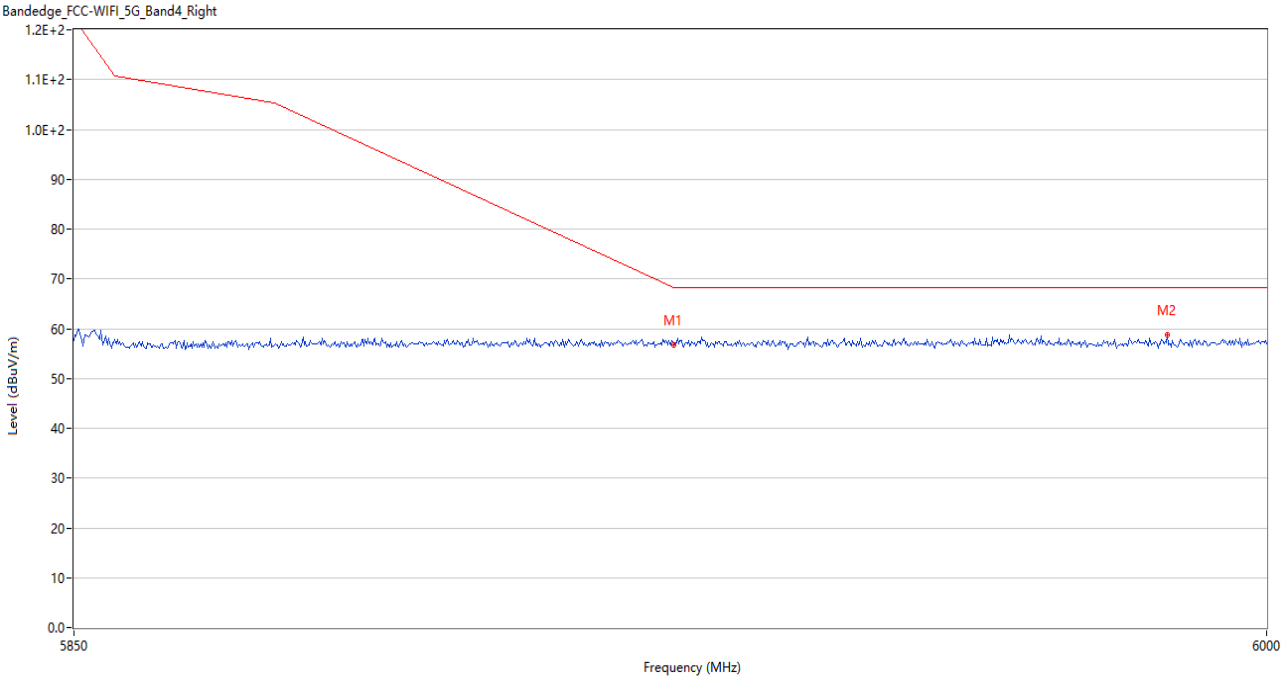
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	58.32	6.44	68.2	9.88	Peak	9.99	150	Vertical	Pass
2	5991.900	59.09	6.41	68.2	9.11	Peak	221.00	150	Vertical	Pass

U-NII-3 11n40 CH151



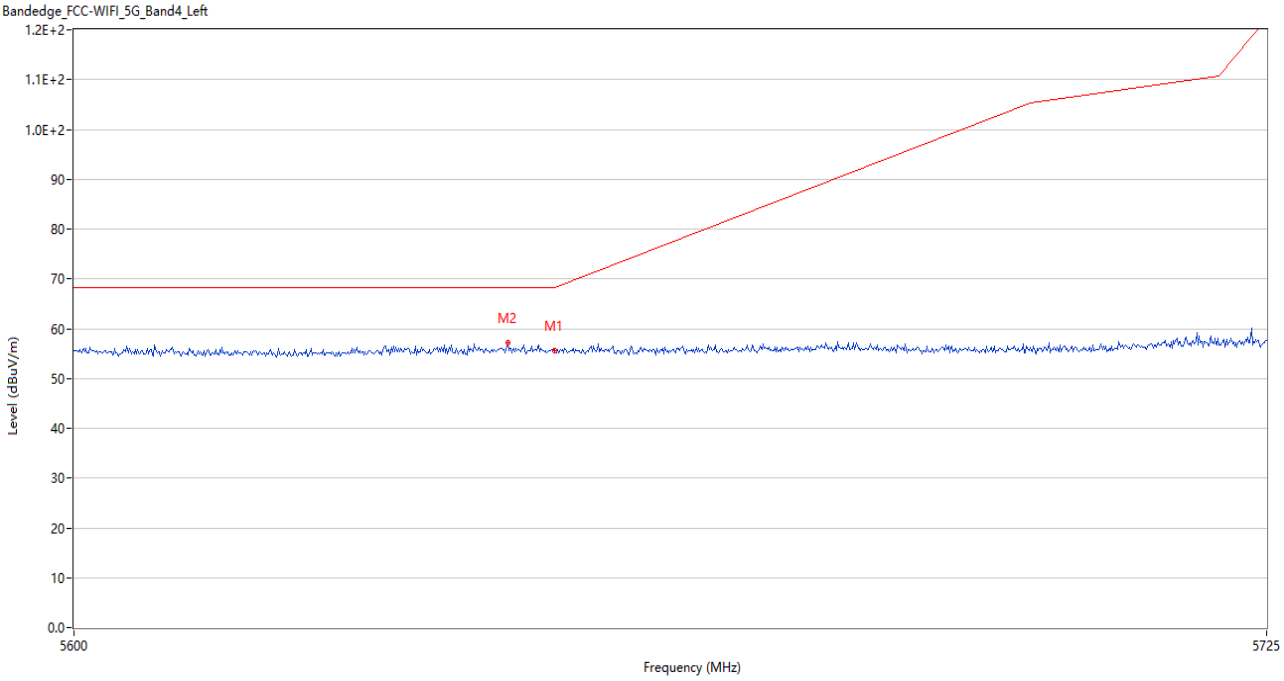
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	55.14	3.81	68.2	13.06	Peak	71.15	150	Vertical	Pass
2	5637.125	57.16	3.72	68.2	11.04	Peak	125.00	150	Vertical	Pass

U-NII-3 11n40 CH159



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	56.78	6.44	68.2	11.42	Peak	357.99	150	Horizontal	Pass
2	5987.400	58.81	6.29	68.2	9.39	Peak	239.00	150	Horizontal	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	55.55	3.81	68.2	12.65	Peak	114.02	150	Vertical	Pass
2	5645.125	57.11	3.77	68.2	11.09	Peak	12.00	150	Vertical	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SH2530301-AR-1.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SH2530301-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SH2530301-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.

5. This report shall not be partially reproduced without the written permission of the Testing Center.

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

--END OF REPORT--