

TEST REPORT

Applicant: Glimpse LLC
Address: 101a Clay Street #144, San Francisco, CA 94111
Equipment Type: Digital Picture Frame
Model Name: 103-FRM
Brand Name: Skylight
FCC ID: 2BF8S-100-3
ISED Number: 26595-1003
Test Standard: 47 CFR Part 15 Subpart E
RSS-Gen Issue 5
RSS-247 Issue 4
(refer to section 3.1)
Sample Arrival Date: Nov. 18, 2025
Test Date: Nov. 19, 2025 - Dec. 11, 2025
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ISSUED BY:

Shanghai Tejet Communications Technology Co., Ltd. Testing Center

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Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Jan. 12, 2026</u>	<u>Initial Issue</u>

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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, China
Accreditation Certificate	<p>The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1352.</p> <p>The laboratory has been listed by Industry Canada to perform electromagnetic emission measurements. The recognition numbers of test site are 29671.</p>

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Glimpse LLC
Address	101a Clay Street #144, San Francisco, CA 94111

2.2 Manufacturer Information

Manufacturer	Glimpse LLC
Address	101a Clay Street #144, San Francisco, CA 94111

2.3 General Description for Equipment under Test (EUT)

EUT Name	Digital Picture Frame
Model Name Under Test	103-FRM
Series Model Name	N/A
Description of Model name differentiation	N/A
Sample Number	SC-SH25A0089-S10(conducted) SC-SH25A0089-S06 (radiated) SC-SH25A0089-S05(radiated) SC-SH25A0089-S07(radiated)
Hardware Version	LLDM058
Software Version	skylightOS-frame_10-rk3326-userdebug-release-keys-20251111.034802
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	2.4G WIFI 802.11b, 802.11g, 802.11n(HT20/40), 802.11ax(HE20/40) 5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40), 802.11ax(HE20/40)
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The requirement for the following technical information of the EUT was tested in this report:

Frequency Range	U-NII-1: 5150 MHz to 5250 MHz, U-NII-2A: 5250 MHz to 5350 MHz, U-NII-2C: 5470 MHz to 5725 MHz, U-NII-3: 5725 MHz to 5850 MHz
Modulation technology	OFDM, OFDMA
Modulation Type	1024QAM, 256QAM, 64QAM, 16QAM, BPSK, QPSK
Transfer Rate (Mbps) (Single RF path)	802.11a: 54/ 48/ 36/ 24/ 18/ 12/ 9/ 6 Mbps 802.11n: up to 150 Mbps 802.11ac: up to VHT-MCS9 802.11ax: up to 287 Mbps
Channel Bandwidth	802.11a: 20 MHz 802.11n: 20 MHz, 40 MHz 802.11ac: 20 MHz, 40 MHz 802.11ax: 20 MHz, 40 MHz
Maximum Output Power	U-NII-1: 17.29 dBm U-NII-2A: 17.83 dBm U-NII-2C: 16.17 dBm U-NII-3: 15.65 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: 4.19 dBi U-NII-2A: 5250 MHz to 5350 MHz: 4.07 dBi U-NII-2C: 5470 MHz to 5725 MHz: 3.43 dBi U-NII-3: 5725 MHz to 5850 MHz: 3.76 dBi
About the Product	The equipment is Digital Picture Frame, intended for used with information technology equipment.

802.11ax RU configuration table						
Mode	Full RU (SU)	RU_26	RU_52	RU_106	RU_242	RU_484
802.11ax20	√	--	--	--	--	--
802.11ax40	√	--	--	--	--	--

2.5 Channel List

20 MHz		40 MHz	
Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)
36	5180	38	5190
40	5200	46	5230
44	5220	54	5270
48	5240	62	5310
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)/ax(HE20)

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)/ax(HE40)

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

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

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

Test Items	Mode	Data Rate	Modulation Type	U-NII-1	U-NII-2A	U-NII-2C	U-NII-3
				Channel	Channel	Channel	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
	11ax(20 MHz)	7.3		48/44/36	64/60/52	140/116/100	165/157/149
	11ax(40 MHz)	14.6		46/38	62/54	134/118/102	159/151
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
	11ax(20 MHz)	7.3		48/44/36	64/60/52	140/116/100	165/157/149
	11ax(40 MHz)	14.6		46/38	62/54	134/118/102	159/151
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
	11ax(20 MHz)	7.3		N/A	N/A	N/A	165/157/149
	11ax(40 MHz)	14.6		N/A	N/A	N/A	159/151
Power	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149

Spectral Density	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
	11ax(20 MHz)	7.3		48/44/36	64/60/52	140/116/100	165/157/149
	11ax(40 MHz)	14.6		46/38	62/54	134/118/102	159/151
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
	11ax(20 MHz)	7.3		48/44/36	64/60/52	140/116/100	165/157/149
	11ax(40 MHz)	14.6		46/38	62/54	134/118/102	159/151
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
	11ax(20 MHz)	7.3		48/36	64/52	140/100	165/149
	11ax(40 MHz)	14.6		46/38	62/54	134/102	159/151

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	RSS-Gen Issue 5	General Requirements for Compliance of Radio Apparatus
3	RSS-247 Issue 4	Digital Transmission Systems, Frequency Hopping Systems and Licence-Exempt Local Area Network Devices in 902-928 MHz, 2400-2483.5 MHz, 5150-5350 MHz, and 5470-5895 MHz bands
4	KDB Publication 789033 D02v02r01	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
5	ANSI C63.10-2020	American National Standard for Procedures For Compliance Testing Of Unlicensed Wireless Devices
6	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices

3.2 Test Verdict

No.	Description	FCC Part No.	RSS Part No.	Test Result	Verdict
1	Antenna Requirement	15.203	RSS-247, 7.3	--	Pass ^{Note1}
2	RF Output Power	15.407(a)	RSS-247, 7.3	ANNEX A.1	Pass
3	Emission Bandwidth & 99% Occupied Bandwidth	15.407(a)	RSS-247, 7.3	ANNEX A.2	Pass
4	6 dB bandwidth	15.407(e)	RSS-247, 7.3	ANNEX A.3	Pass
5	Power Spectral Density	15.407(a)	RSS-247, 7.3	ANNEX A.4	Pass
6	Conducted Emission	15.207	RSS-GEN, 8.8	ANNEX A.5	Pass
7	Radiated Spurious Emissions and Band Edge (Restricted-band)	15.407(b)	RSS-247, 7.3	ANNEX A.6	Pass
8	Receiver Spurious Emissions	--	RSS-Gen, 7.1.2	--	N/A ^{Note2}

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

Note ²: Only radio communication receivers operating in stand-alone mode within the U-NII-30-960 MHz, as well as scanner receivers, are subject to Industry Canada requirements, so this test is not applicable.

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

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

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

Relative Humidity	48% to 58%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+21.7°C to +24.8°C
Working Voltage of the EUT	NV (Normal Voltage)	5.0 V

4.2 Test Equipment List

Description	Manufacturer	Model	Equipment No.	Cal. Date	Cal. Due
Spectrum Analyzer	KEYSIGHT	N9020A	BH-EMC-L066	2025.02.12	2026.02.11
Spectrum Analyzer	KEYSIGHT	N9010B	BH-EMC-L099	2025.02.12	2026.02.11
Signal Generator	Anritsu	MG3710E	BH-EMC-L131	2025.02.12	2026.02.11
Wideband Radio Communication Tester	R&S	CMW500	BH-EMC-L094	2025.02.11	2026.02.10
EMI Receiver	KEYSIGHT	N9038A	BH-EMC-L015	2025.07.04	2026.07.03
Test Antenna-Loop(9 kHz-30 MHz)	SCHWARZBECK	FMZB 1519 B	BH-EMC-L067	2024.03.11	2027.03.10
Test Antenna-Bi-Log(30 MHz-3 GHz)	SCHWARZBECK	VULB 9163	BH-EMC-L008	2024.03.11	2027.03.10
Test Antenna-Horn(1-18 GHz)	SCHWARZBECK	BBHA 9120D	BH-EMC-L044	2024.03.11	2027.03.10
Test Antenna-Horn (18-40 GHz)	A-INFO	LB-180400-KF	BH-EMC-L061	2024.03.11	2027.03.10
Anechoic Chamber	YiHeng	9m*6m*6m	BH-EMC-L001	2024.04.18	2027.04.17
EMI Receiver	KEYSIGHT	N9038A	BH-EMC-L127	2025.02.12	2026.02.11
LISN	SCHWARZBECK	NSLK 8127	BH-EMC-L011	2025.02.11	2026.02.10
10dB Limiter	SCHWARZBECK	VTSD 9561-F	BH-EMC-L014	2025.02.11	2026.02.10
Shielded Room	YiHeng	5m*4m*3.2 m	BH-EMC-L006	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 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	3.70 dB
Temperature	0.82 °C
Humidity	4.1 %

4.5 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)

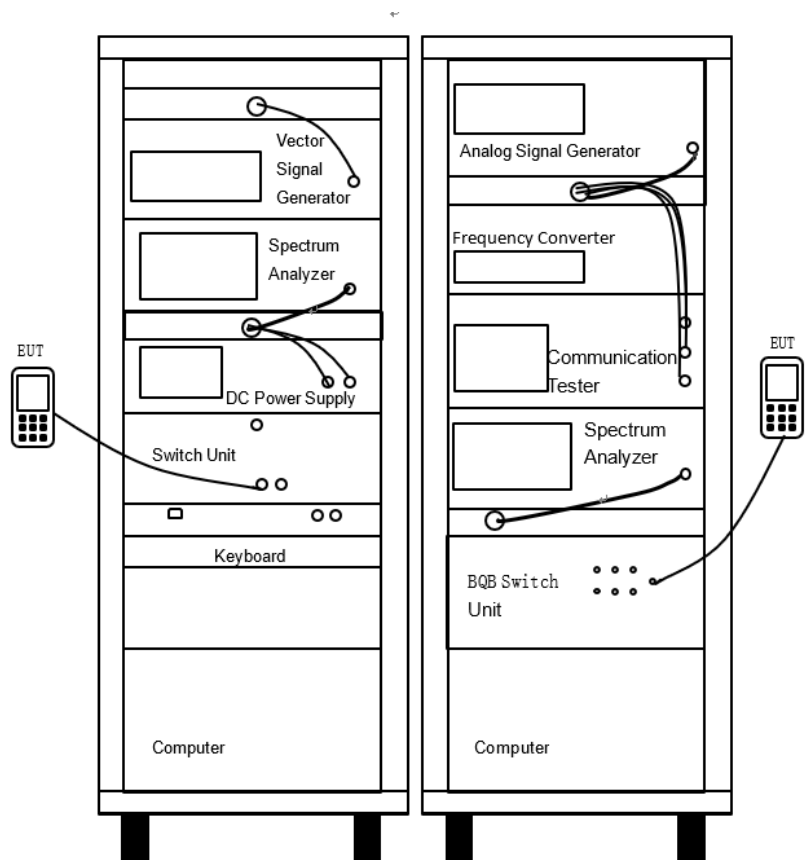
4.6 Description of Test Setup

4.6.1 For Antenna Port Test

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

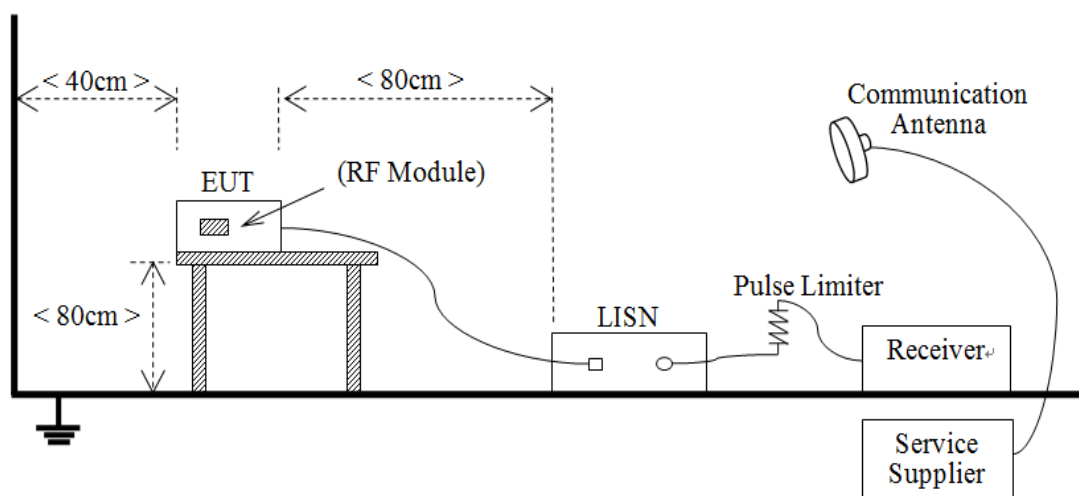
For example: the measurement value is 10 dBm and the cable 0.5 dB used, then the final result of EUT:

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



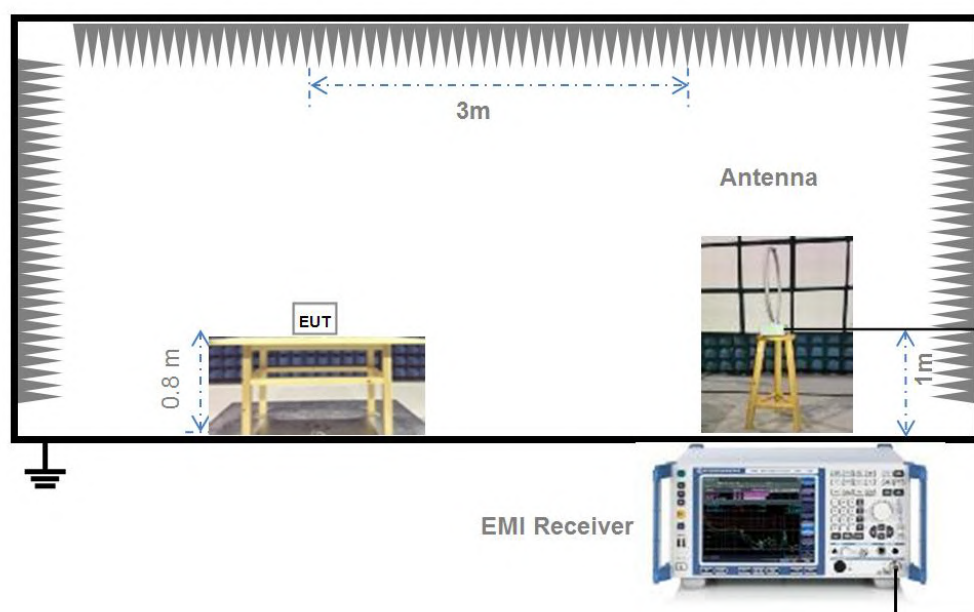
(Diagram 1)

4.6.2 For AC Power Supply Port Test



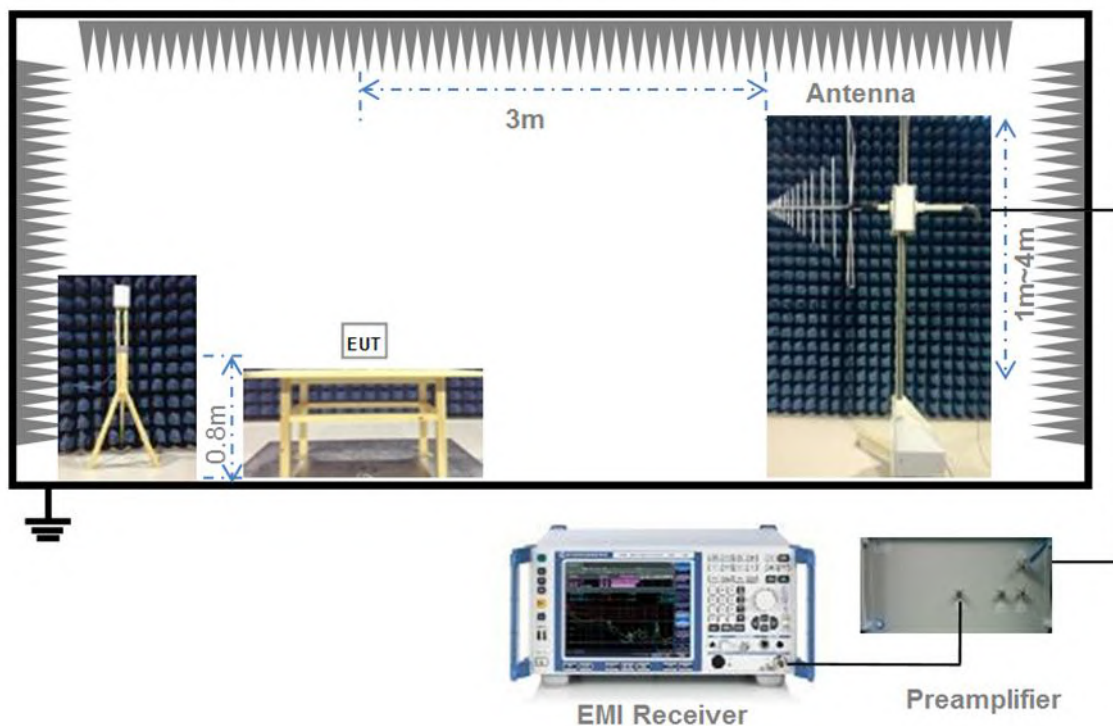
(Diagram 2)

4.6.3 For Radiated Test (Below 30 MHz)



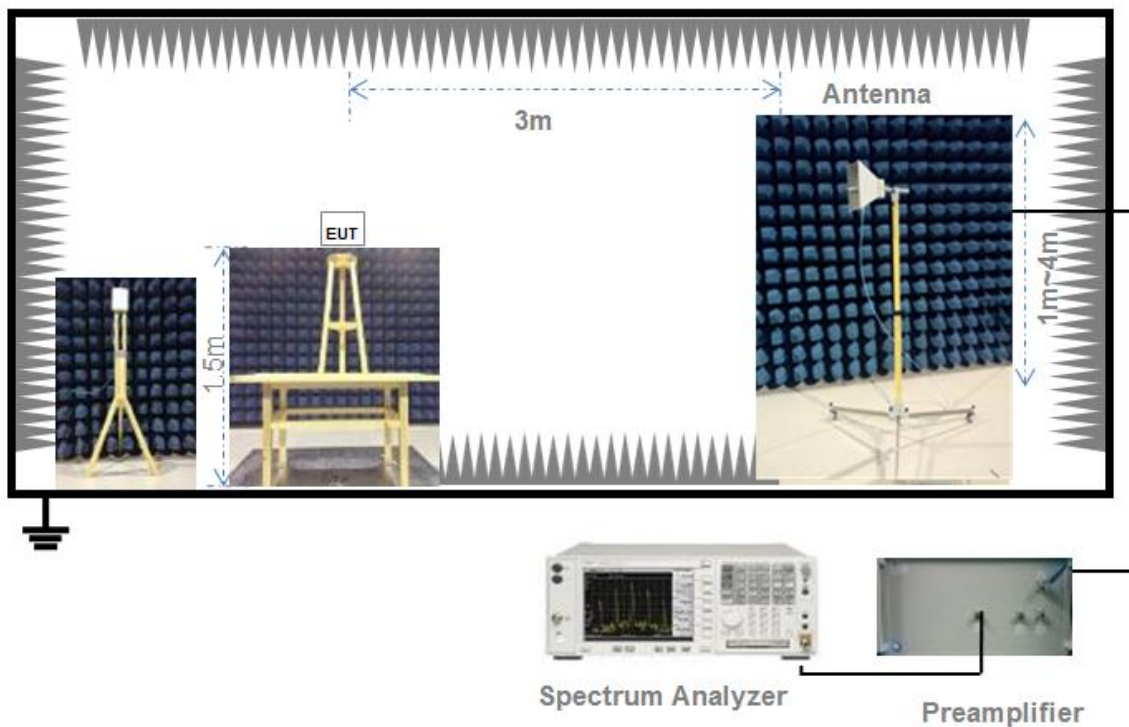
(Diagram 3)

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.	

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The maximum conducted output power shall not exceed:

Frequency Band (MHz)	Limit
5150-5250	N/A
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 99% emissions bandwidth in MHz.	

The maximum e.i.r.p. shall not exceed:

Frequency Band (MHz)	Limit
5150-5250	200 mW or 10 dBm + 10log B, whichever is less.
5250-5350	1W or 17 dBm + 10log B, whichever is less.
5470-5725	1W or 17 dBm + 10log B, whichever is less.
5725-5850	N/A
Note: Where "B" is the 99% 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 $\geq$ OBW if possible; otherwise, set RBW to the largest available value.

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

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

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

5.1.4 Test Result

Please refer to ANNEX A.1.

5.2 Emission Bandwidth and 6 dB Bandwidth

5.2.1 Limit

FCC §15.407(a), RSS-247, 7.3

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

Occupied Bandwidth

1. Set Span = 1.5 times to 5.0 times the OBW
2. Set RBW = 1% to 5% of the OBW.
3. Set VBW $\geq 3 \times$ RBW,
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

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

5.3.4 Test Result

Please refer to ANNEX A.4.

5.4 Conducted Emission

5.4.1 Limit

FCC §15.207, RSS-GEN, 8.8

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

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

5.4.2 Test Setup

The section 4.6.2 (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)

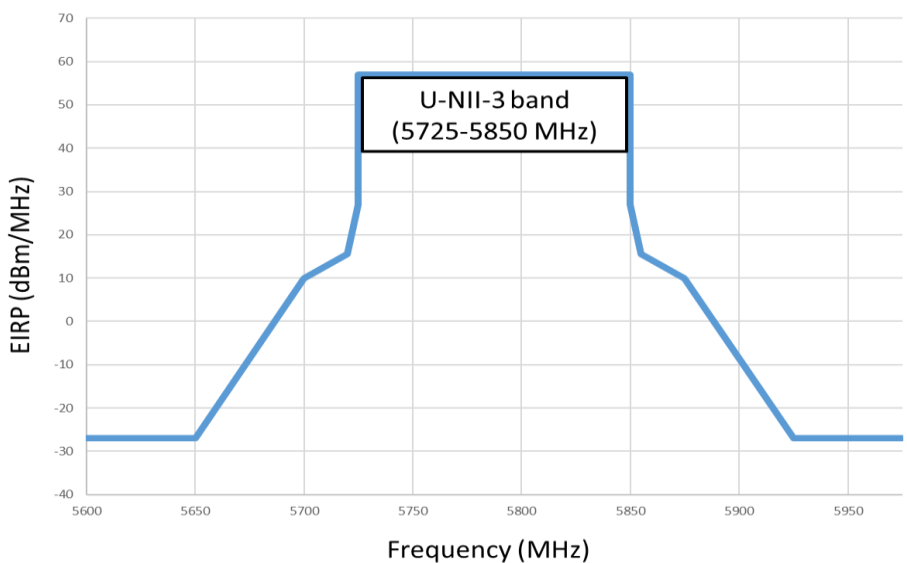
5.5.1 Limit

FCC §15.209 & 15.407(b), RSS-247, 7.3

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

Note¹: The Limit for radiated test was performed according to FCC Part 15C

Note²: 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	<p>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.</p>  <p style="text-align: center;">U-NII-3 band (5725-5850 MHz)</p>

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

where:

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

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

- 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 $\geq 3 * \text{RBW}$.
- c) Detector = Peak.
- d) Sweep time = auto.
- e) Trace mode = max hold.
- f) Allow sweeps to continue until the trace stabilizes. (Note that the required measurement time may be longer for low duty cycle applications).

Table 1—RBW as a function of frequency

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

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

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

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

- a) The EUT shall be configured to operate at the maximum achievable duty cycle.
- b) Measure the duty cycle, x , of the transmitter output signal as described in section 6.0.
- c) RBW = 1 MHz (unless otherwise specified).
- d) VBW $\geq 3 * \text{RBW}$.
- e) Detector = RMS, if $\text{span}/(\# \text{ of points in sweep}) \leq (\text{RBW}/2)$. Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak.
- f) Averaging type = power (i.e., RMS).
 - 1) As an alternative, the detector and averaging type may be set for linear voltage averaging.
 - 2) Some instruments require linear display mode in order to use linear voltage averaging. Log or dB averaging shall not be used.
- g) Sweep time = auto.
- h) Perform a trace average of at least 100 traces.
- i) A correction factor shall be added to the measurement results prior to comparing to the emission limit in order to compute the emission level that would have been measured had the test been performed at 100 percent duty cycle. The correction factor is computed as follows:
 - 1) If power averaging (RMS) mode was used in step f), then the applicable correction factor is $10 \log(1/x)$, where x is the duty cycle.
 - 2) If linear voltage averaging mode was used in step f), then the applicable correction factor is $20 \log(1/x)$, where x is the duty cycle.
 - 3) If a specific emission is demonstrated to be continuous (≥ 98 percent duty cycle) rather than turning on

and off with the transmit cycle, then no duty cycle correction is required for that emission.

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

Determining the applicable transmit antenna gain

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

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

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

Radiated spurious emission test

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

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

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

The power of the EUT transmitting frequency should be ignored.

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

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

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

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

5.5.4 Test Result

Please refer to ANNEX A.6.

ANNEX A TEST RESULT

A.1 RF Output Power

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

Note 2: For IC standard, the U-NII-3 (5725 - 5850 MHz) maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Note 3: All the configurations were tested, but only the worst data was shown in this report.

Note 4: The RF Output Power has considered the Duty Factor.

Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle
11a	1.39	2.42	57.38%
11n (HT20)/11ac (VHT20)	5.05	9.11	55.47%
11n (HT40)/11ac (VHT40)	4.75	12.83	37.02%
11ax (HE20)	3.85	7.90	48.66%
11ax (HE40)	3.76	11.93	31.52%

Test DataConducted Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	17.17	52.14	250	Pass
11a	CH44	17.29	53.61	250	Pass
11a	CH48	17.08	51.07	250	Pass
11n (HT20)	CH36	17.08	51.05	250	Pass
11n (HT20)	CH44	17.27	53.33	250	Pass
11n (HT20)	CH48	17.07	50.93	250	Pass
11n (HT40)	CH38	14.69	29.41	250	Pass
11n (HT40)	CH46	16.89	48.81	250	Pass
11ac (VHT20)	CH36	16.62	45.92	250	Pass
11ac (VHT20)	CH44	17.26	53.21	250	Pass
11ac (VHT20)	CH48	17.10	51.28	250	Pass
11ac (VHT40)	CH38	14.87	30.66	250	Pass
11ac (VHT40)	CH46	16.87	48.59	250	Pass
11ax (HE20) (SU)	CH36	16.63	46.01	250	Pass
11ax (HE20) (SU)	CH44	17.23	52.83	250	Pass
11ax (HE20) (SU)	CH48	17.06	50.80	250	Pass
11ax (HE40) (SU)	CH38	15.77	37.80	250	Pass
11ax (HE40) (SU)	CH46	16.90	49.03	250	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH52	17.83	60.70	250	Pass
11a	CH60	15.21	33.20	250	Pass
11a	CH64	15.01	31.70	250	Pass
11n (HT20)	CH52	15.16	32.77	250	Pass
11n (HT20)	CH60	14.96	31.30	250	Pass
11n (HT20)	CH64	12.67	18.47	250	Pass
11n (HT40)	CH54	13.50	22.37	250	Pass
11n (HT40)	CH62	11.64	14.58	250	Pass
11ac (VHT20)	CH52	15.22	33.23	250	Pass
11ac (VHT20)	CH60	14.97	31.37	250	Pass
11ac (VHT20)	CH64	13.01	19.98	250	Pass
11ac (VHT40)	CH54	13.60	22.89	250	Pass
11ac (VHT40)	CH62	11.66	14.65	250	Pass
11ax (HE20) (SU)	CH52	14.63	29.04	250	Pass
11ax (HE20) (SU)	CH60	14.40	27.54	250	Pass
11ax (HE20) (SU)	CH64	13.50	22.39	250	Pass
11ax (HE40) (SU)	CH54	12.86	19.32	250	Pass
11ax (HE40) (SU)	CH62	8.14	6.52	250	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH100	15.86	38.56	250	Pass
11a	CH116	16.17	41.41	250	Pass
11a	CH140	15.07	32.14	250	Pass
11n (HT20)	CH100	14.61	28.87	250	Pass
11n (HT20)	CH116	14.96	31.30	250	Pass
11n (HT20)	CH140	14.60	28.81	250	Pass
11n (HT40)	CH102	13.06	20.22	250	Pass
11n (HT40)	CH118	13.36	21.66	250	Pass
11n (HT40)	CH134	13.62	23.00	250	Pass
11ac (VHT20)	CH100	14.66	29.21	250	Pass
11ac (VHT20)	CH116	14.95	31.22	250	Pass
11ac (VHT20)	CH140	14.61	28.87	250	Pass
11ac (VHT40)	CH102	13.05	20.17	250	Pass
11ac (VHT40)	CH118	13.44	22.06	250	Pass
11ac (VHT40)	CH134	13.59	22.84	250	Pass
11ax (HE20) (SU)	CH100	14.16	26.06	250	Pass
11ax (HE20) (SU)	CH116	14.46	27.93	250	Pass
11ax (HE20) (SU)	CH140	11.37	13.71	250	Pass
11ax (HE40) (SU)	CH102	12.46	17.62	250	Pass
11ax (HE40) (SU)	CH118	12.80	19.05	250	Pass
11ax (HE40) (SU)	CH134	9.04	8.02	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	15.65	36.74	1000	Pass
11a	CH157	15.19	33.04	1000	Pass
11a	CH165	15.20	33.12	1000	Pass
11n (HT20)	CH149	14.91	30.94	1000	Pass
11n (HT20)	CH157	14.49	28.09	1000	Pass
11n (HT20)	CH165	14.03	25.26	1000	Pass
11n (HT40)	CH151	13.15	20.64	1000	Pass
11n (HT40)	CH159	12.41	17.41	1000	Pass
11ac (VHT20)	CH149	14.53	28.35	1000	Pass
11ac (VHT20)	CH157	14.05	25.38	1000	Pass
11ac (VHT20)	CH165	13.98	24.97	1000	Pass
11ac (VHT40)	CH151	13.05	20.17	1000	Pass
11ac (VHT40)	CH159	12.41	17.41	1000	Pass
11ax (HE20) (SU)	CH149	14.04	25.35	1000	Pass
11ax (HE20) (SU)	CH157	13.59	22.86	1000	Pass
11ax (HE20) (SU)	CH165	13.07	20.28	1000	Pass
11ax (HE40) (SU)	CH151	12.16	16.44	1000	Pass
11ax (HE40) (SU)	CH159	11.78	15.07	1000	Pass

EIRP Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	EIRP Power (dBm)	EIRP Power (mW)	EIRP Limit (mW)	Verdict
11a	CH36	21.36	136.84	169	Pass
11a	CH44	21.48	140.67	169	Pass
11a	CH48	21.27	134.03	169	Pass
11n (HT20)	CH36	21.27	133.96	182	Pass
11n (HT20)	CH44	21.46	139.95	181	Pass
11n (HT20)	CH48	21.26	133.65	181	Pass
11n (HT40)	CH38	18.88	77.19	200	Pass
11n (HT40)	CH46	21.08	128.10	200	Pass
11ac (VHT20)	CH36	20.81	120.50	181	Pass
11ac (VHT20)	CH44	21.45	139.63	181	Pass
11ac (HVT20)	CH48	21.29	134.58	181	Pass
11ac (VHT40)	CH38	19.06	80.45	200	Pass
11ac (VHT40)	CH46	21.06	127.51	200	Pass
11ax (HE20) (SU)	CH36	20.82	120.74	192	Pass
11ax (HE20) (SU)	CH44	21.42	138.62	192	Pass
11ax (HE20) (SU)	CH48	21.25	133.30	192	Pass
11ax (HE40) (SU)	CH38	19.96	99.19	200	Pass
11ax (HE40) (SU)	CH46	21.09	128.66	200	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	EIRP Power (dBm)	EIRP Power (mW)	EIRP Limit (mW)	Verdict
11a	CH52	21.90	154.95	848	Pass
11a	CH60	19.28	84.74	847	Pass
11a	CH64	19.08	80.93	845	Pass
11n (HT20)	CH52	19.23	83.66	907	Pass
11n (HT20)	CH60	19.03	79.89	907	Pass
11n (HT20)	CH64	16.74	47.15	904	Pass
11n (HT40)	CH54	17.57	57.11	1000	Pass
11n (HT40)	CH62	15.71	37.21	1000	Pass
11ac (VHT20)	CH52	19.29	84.82	906	Pass
11ac (VHT20)	CH60	19.04	80.08	905	Pass
11ac (HVT20)	CH64	17.08	50.99	905	Pass
11ac (VHT40)	CH54	17.67	58.44	1000	Pass
11ac (VHT40)	CH62	15.73	37.39	1000	Pass
11ax (HE20) (SU)	CH52	18.70	74.13	963	Pass
11ax (HE20) (SU)	CH60	18.47	70.31	961	Pass
11ax (HE20) (SU)	CH64	17.57	57.15	960	Pass
11ax (HE40) (SU)	CH54	16.93	49.32	1000	Pass
11ax (HE40) (SU)	CH62	12.21	16.63	1000	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	EIRP Power (dBm)	EIRP Power (mW)	EIRP Limit (mW)	Verdict
11a	CH100	19.29	84.94	853	Pass
11a	CH116	19.60	91.22	853	Pass
11a	CH140	18.50	70.81	855	Pass
11n (HT20)	CH100	18.04	63.61	911	Pass
11n (HT20)	CH116	18.39	68.94	909	Pass
11n (HT20)	CH140	18.03	63.46	913	Pass
11n (HT40)	CH102	16.49	44.53	1000	Pass
11n (HT40)	CH118	16.79	47.72	1000	Pass
11n (HT40)	CH134	17.05	50.66	1000	Pass
11ac (VHT20)	CH100	18.09	64.34	909	Pass
11ac (VHT20)	CH116	18.38	68.79	910	Pass
11ac (VHT20)	CH140	18.04	63.61	913	Pass
11ac (VHT40)	CH102	16.48	44.43	1000	Pass
11ac (VHT40)	CH118	16.87	48.61	1000	Pass
11ac (VHT40)	CH134	17.02	50.32	1000	Pass
11ax (HE20) (SU)	CH100	17.59	57.41	966	Pass
11ax (HE20) (SU)	CH116	17.89	61.52	966	Pass
11ax (HE20) (SU)	CH140	14.80	30.20	966	Pass
11ax (HE40) (SU)	CH102	15.89	38.82	1000	Pass
11ax (HE40) (SU)	CH118	16.23	41.98	1000	Pass
11ax (HE40) (SU)	CH134	12.47	17.66	1000	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	EIRP Power (dBm)	EIRP Power (mW)	Verdict
11a	CH149	19.41	87.32	Pass
11a	CH157	18.95	78.54	Pass
11a	CH165	18.96	78.72	Pass
11n (HT20)	CH149	18.67	73.54	Pass
11n (HT20)	CH157	18.25	66.76	Pass
11n (HT20)	CH165	17.79	60.05	Pass
11n (HT40)	CH151	16.91	49.06	Pass
11n (HT40)	CH159	16.17	41.37	Pass
11ac (VHT20)	CH149	18.29	67.38	Pass
11ac (VHT20)	CH157	17.81	60.33	Pass
11ac (VHT20)	CH165	17.74	59.36	Pass
11ac (VHT40)	CH151	16.81	47.94	Pass
11ac (VHT40)	CH159	16.17	41.37	Pass
11ax (HE20) (SU)	CH149	17.80	60.26	Pass
11ax (HE20) (SU)	CH157	17.35	54.33	Pass
11ax (HE20) (SU)	CH165	16.83	48.19	Pass
11ax (HE40) (SU)	CH151	15.92	39.08	Pass
11ax (HE40) (SU)	CH159	15.54	35.81	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SH25B1254-602 Data Part 1.pdf".

Test Data

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	30.69	16.90
11a	CH44	29.82	16.88
11a	CH48	29.97	16.89
11n (HT20)	CH36	29.18	18.16
11n (HT20)	CH44	31.14	18.13
11n (HT20)	CH48	27.14	18.09
11n (HT40)	CH38	62.98	36.81
11n (HT40)	CH46	48.56	36.63
11ac (VHT20)	CH36	29.08	18.08
11ac (VHT20)	CH44	28.62	18.13
11ac (VHT20)	CH48	27.24	18.09
11ac (VHT40)	CH38	55.27	36.71
11ac (VHT40)	CH46	52.55	36.68
11ax (HE20) (SU)	CH36	26.56	19.19
11ax (HE20) (SU)	CH44	27.01	19.20
11ax (HE20) (SU)	CH48	27.15	19.19
11ax (HE40) (SU)	CH38	57.06	37.99
11ax (HE40) (SU)	CH46	45.52	37.95

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	30.09	16.93
11a	CH60	26.78	16.90
11a	CH64	28.81	16.86
11n (HT20)	CH52	28.00	18.10
11n (HT20)	CH60	28.78	18.09
11n (HT20)	CH64	25.91	18.05
11n (HT40)	CH54	65.39	36.74
11n (HT40)	CH62	60.45	36.67
11ac (VHT20)	CH52	28.06	18.08
11ac (VHT20)	CH60	27.33	18.06
11ac (VHT20)	CH64	28.90	18.07
11ac (VHT40)	CH54	58.57	36.69
11ac (VHT40)	CH62	54.26	36.65
11ax (HE20) (SU)	CH52	28.27	19.21
11ax (HE20) (SU)	CH60	26.02	19.18
11ax (HE20) (SU)	CH64	25.74	19.15
11ax (HE40) (SU)	CH54	46.39	38.01
11ax (HE40) (SU)	CH62	50.96	37.99

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	27.05	17.01
11a	CH116	30.31	17.03
11a	CH140	28.37	17.07
11n (HT20)	CH100	28.13	18.17
11n (HT20)	CH116	27.62	18.14
11n (HT20)	CH140	27.56	18.21
11n (HT40)	CH102	47.25	36.75
11n (HT40)	CH118	47.89	36.84
11n (HT40)	CH134	53.26	36.91
11ac (VHT20)	CH100	26.47	18.14
11ac (VHT20)	CH116	28.97	18.17
11ac (VHT20)	CH140	28.97	18.21
11ac (VHT40)	CH102	47.19	36.83
11ac (VHT40)	CH118	48.50	36.78
11ac (VHT40)	CH134	61.06	36.88
11ax (HE20) (SU)	CH100	26.46	19.29
11ax (HE20) (SU)	CH116	27.84	19.28
11ax (HE20) (SU)	CH140	29.01	19.28
11ax (HE40) (SU)	CH102	45.76	38.11
11ax (HE40) (SU)	CH118	45.52	38.12
11ax (HE40) (SU)	CH134	47.90	38.11

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	30.75	17.12
11a	CH157	30.37	17.08
11a	CH165	29.52	17.05
11n (HT20)	CH149	30.78	18.26
11n (HT20)	CH157	28.95	18.21
11n (HT20)	CH165	28.01	18.21
11n (HT40)	CH151	55.89	36.87
11n (HT40)	CH159	47.90	36.84
11ac (VHT20)	CH149	26.69	18.19
11ac (VHT20)	CH157	28.26	18.21
11ac (VHT20)	CH165	27.00	18.17
11ac (VHT40)	CH151	51.87	36.83
11ac (VHT40)	CH159	47.02	36.86
11ax (HE20) (SU)	CH149	26.69	19.29
11ax (HE20) (SU)	CH157	25.48	19.28
11ax (HE20) (SU)	CH165	26.48	19.27
11ax (HE40) (SU)	CH151	48.44	38.14
11ax (HE40) (SU)	CH159	46.14	38.16

A.3 6 dB Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SH25B1254-602 Data Part 2.pdf".

Test Data

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	16.60	500.00	Pass
11a	CH157	16.60	500.00	Pass
11a	CH165	16.60	500.00	Pass
11n (HT20)	CH149	17.80	500.00	Pass
11n (HT20)	CH157	17.80	500.00	Pass
11n (HT20)	CH165	17.80	500.00	Pass
11n (HT40)	CH151	36.60	500.00	Pass
11n (HT40)	CH159	36.60	500.00	Pass
11ac (VHT20)	CH149	17.80	500.00	Pass
11ac (VHT20)	CH157	17.80	500.00	Pass
11ac (VHT20)	CH165	17.80	500.00	Pass
11ac (VHT40)	CH151	36.60	500.00	Pass
11ac (VHT40)	CH159	36.60	500.00	Pass
11ax (HE20) (SU)	CH149	19.20	500.00	Pass
11ax (HE20) (SU)	CH157	19.20	500.00	Pass
11ax (HE20) (SU)	CH165	19.20	500.00	Pass
11ax (HE40) (SU)	CH151	38.40	500.00	Pass
11ax (HE40) (SU)	CH159	38.40	500.00	Pass

A.4 Power Spectral Density

Note ¹: Test plots please refer to the document “Annex No.: BL-SH25B1254-602 Data Part 3.pdf”.

Note ²: The RBW used in U-NII-3 is 1 MHz, and the PSD factor is: $10 \cdot \log(500 \text{ kHz/RBW}) = -3 \text{ dBm}$.

Note ³: The PSD has considered the Duty Factor.

Test Data

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH36	5.72	11.00	Pass
11a	CH44	5.75	11.00	Pass
11a	CH48	5.40	11.00	Pass
11n (HT20)	CH36	5.79	11.00	Pass
11n (HT20)	CH44	5.27	11.00	Pass
11n (HT20)	CH48	5.39	11.00	Pass
11n (HT40)	CH38	0.36	11.00	Pass
11n (HT40)	CH46	2.50	11.00	Pass
11ac (VHT20)	CH36	5.40	11.00	Pass
11ac (VHT20)	CH44	5.08	11.00	Pass
11ac (VHT20)	CH48	5.74	11.00	Pass
11ac (VHT40)	CH38	0.13	11.00	Pass
11ac (VHT40)	CH46	2.43	11.00	Pass
11ax (HE20) (SU)	CH36	1.61	11.00	Pass
11ax (HE20) (SU)	CH44	5.58	11.00	Pass
11ax (HE20) (SU)	CH48	5.29	11.00	Pass
11ax (HE40) (SU)	CH38	1.19	11.00	Pass
11ax (HE40) (SU)	CH46	2.15	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH52	-1.53	11.00	Pass
11a	CH60	6.71	11.00	Pass
11a	CH64	6.26	11.00	Pass
11n (HT20)	CH52	6.14	11.00	Pass
11n (HT20)	CH60	6.35	11.00	Pass
11n (HT20)	CH64	4.27	11.00	Pass
11n (HT40)	CH54	3.33	11.00	Pass
11n (HT40)	CH62	1.34	11.00	Pass
11ac (VHT20)	CH52	6.36	11.00	Pass
11ac (VHT20)	CH60	6.05	11.00	Pass
11ac (VHT20)	CH64	4.22	11.00	Pass
11ac (VHT40)	CH54	3.34	11.00	Pass
11ac (VHT40)	CH62	1.68	11.00	Pass
11ax (HE20) (SU)	CH52	5.58	11.00	Pass
11ax (HE20) (SU)	CH60	6.04	11.00	Pass
11ax (HE20) (SU)	CH64	5.54	11.00	Pass
11ax (HE40) (SU)	CH54	2.87	11.00	Pass
11ax (HE40) (SU)	CH62	-1.22	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH100	7.07	11.00	Pass
11a	CH116	7.18	11.00	Pass
11a	CH140	5.87	11.00	Pass
11n (HT20)	CH100	5.82	11.00	Pass
11n (HT20)	CH116	5.87	11.00	Pass
11n (HT20)	CH140	5.30	11.00	Pass
11n (HT40)	CH102	2.67	11.00	Pass
11n (HT40)	CH118	2.98	11.00	Pass
11n (HT40)	CH134	2.81	11.00	Pass
11ac (VHT20)	CH100	5.68	11.00	Pass
11ac (VHT20)	CH116	5.94	11.00	Pass
11ac (VHT20)	CH140	5.24	11.00	Pass
11ac (VHT40)	CH102	2.65	11.00	Pass
11ac (VHT40)	CH118	3.06	11.00	Pass
11ac (VHT40)	CH134	2.82	11.00	Pass
11ac (VHT80)	CH106	5.35	11.00	Pass
11ax (HE20) (SU)	CH100	5.74	11.00	Pass
11ax (HE20) (SU)	CH116	2.47	11.00	Pass
11ax (HE20) (SU)	CH140	3.03	11.00	Pass
11ax (HE40) (SU)	CH102	2.87	11.00	Pass
11ax (HE40) (SU)	CH118	-0.96	11.00	Pass
11ax (HE40) (SU)	CH134	7.07	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	6.78	30.00	Pass
11a	CH157	6.27	30.00	Pass
11a	CH165	6.17	30.00	Pass
11n (HT20)	CH149	5.96	30.00	Pass
11n (HT20)	CH157	5.59	30.00	Pass
11n (HT20)	CH165	5.14	30.00	Pass
11n (HT40)	CH151	2.55	30.00	Pass
11n (HT40)	CH159	2.54	30.00	Pass
11ac (VHT20)	CH149	5.26	30.00	Pass
11ac (VHT20)	CH157	5.28	30.00	Pass
11ac (VHT20)	CH165	4.90	30.00	Pass
11ac (VHT40)	CH151	2.63	30.00	Pass
11ac (VHT40)	CH159	2.45	30.00	Pass
11ax (HE20) (SU)	CH149	5.25	30.00	Pass
11ax (HE20) (SU)	CH157	5.09	30.00	Pass
11ax (HE20) (SU)	CH165	4.49	30.00	Pass
11ax (HE40) (SU)	CH151	2.42	30.00	Pass
11ax (HE40) (SU)	CH159	2.16	30.00	Pass

EIRP PSD

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	EIRP Limit (dBm/MHz)	Verdict
11a	CH36	9.91	10.00	Pass
11a	CH44	9.94	10.00	Pass
11a	CH48	9.59	10.00	Pass
11n (HT20)	CH36	9.98	10.00	Pass
11n (HT20)	CH44	9.46	10.00	Pass
11n (HT20)	CH48	9.58	10.00	Pass
11n (HT40)	CH38	4.55	10.00	Pass
11n (HT40)	CH46	6.69	10.00	Pass
11ac (VHT20)	CH36	9.59	10.00	Pass
11ac (VHT20)	CH44	9.27	10.00	Pass
11ac (VHT20)	CH48	9.93	10.00	Pass
11ac (VHT40)	CH38	4.32	10.00	Pass
11ac (VHT40)	CH46	6.62	10.00	Pass
11ax (HE20) (SU)	CH36	5.80	10.00	Pass
11ax (HE20) (SU)	CH44	9.77	10.00	Pass
11ax (HE20) (SU)	CH48	9.48	10.00	Pass
11ax (HE40) (SU)	CH38	5.38	10.00	Pass
11ax (HE40) (SU)	CH46	6.34	10.00	Pass

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH52	2.54	Pass
11a	CH60	10.78	Pass
11a	CH64	10.33	Pass
11n (HT20)	CH52	10.21	Pass
11n (HT20)	CH60	10.42	Pass
11n (HT20)	CH64	8.34	Pass
11n (HT40)	CH54	7.40	Pass
11n (HT40)	CH62	5.41	Pass
11ac (VHT20)	CH52	10.43	Pass
11ac (VHT20)	CH60	10.12	Pass
11ac (VHT20)	CH64	8.29	Pass
11ac (VHT40)	CH54	7.41	Pass
11ac (VHT40)	CH62	5.75	Pass
11ax (HE20) (SU)	CH52	9.65	Pass
11ax (HE20) (SU)	CH60	10.11	Pass
11ax (HE20) (SU)	CH64	9.61	Pass
11ax (HE40) (SU)	CH54	6.94	Pass
11ax (HE40) (SU)	CH62	2.85	Pass

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH100	10.50	Pass
11a	CH116	10.61	Pass
11a	CH140	9.30	Pass
11n (HT20)	CH100	9.25	Pass
11n (HT20)	CH116	9.30	Pass
11n (HT20)	CH140	8.73	Pass
11n (HT40)	CH102	6.10	Pass
11n (HT40)	CH118	16.10	Pass
11n (HT40)	CH134	6.24	Pass
11ac (VHT20)	CH100	9.11	Pass
11ac (VHT20)	CH116	9.37	Pass
11ac (VHT20)	CH140	8.67	Pass
11ac (VHT40)	CH102	6.08	Pass
11ac (VHT40)	CH118	6.49	Pass
11ac (VHT40)	CH134	6.25	Pass
11ax (HE20) (SU)	CH100	8.78	Pass
11ax (HE20) (SU)	CH116	9.17	Pass
11ax (HE20) (SU)	CH140	5.90	Pass
11ax (HE40) (SU)	CH102	6.46	Pass
11ax (HE40) (SU)	CH118	6.30	Pass
11ax (HE40) (SU)	CH134	2.47	Pass

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH149	10.54	Pass
11a	CH157	10.03	Pass
11a	CH165	9.93	Pass
11n (HT20)	CH149	9.72	Pass
11n (HT20)	CH157	9.35	Pass
11n (HT20)	CH165	8.90	Pass
11n (HT40)	CH151	6.31	Pass
11n (HT40)	CH159	6.30	Pass
11ac (VHT20)	CH149	9.02	Pass
11ac (VHT20)	CH157	9.04	Pass
11ac (VHT20)	CH165	8.66	Pass
11ac (VHT40)	CH151	6.39	Pass
11ac (VHT40)	CH159	6.21	Pass
11ax (HE20) (SU)	CH149	9.01	Pass
11ax (HE20) (SU)	CH157	8.85	Pass
11ax (HE20) (SU)	CH165	8.25	Pass
11ax (HE40) (SU)	CH151	6.18	Pass
11ax (HE40) (SU)	CH159	5.92	Pass

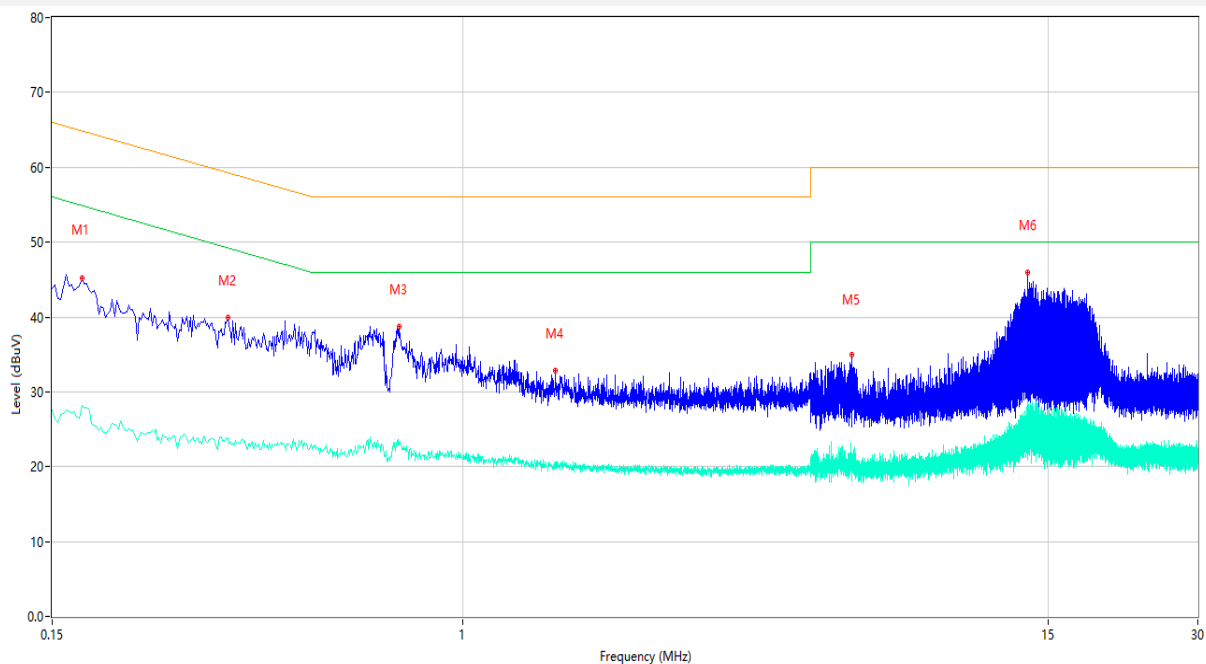
A.5 Conducted Emission

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.

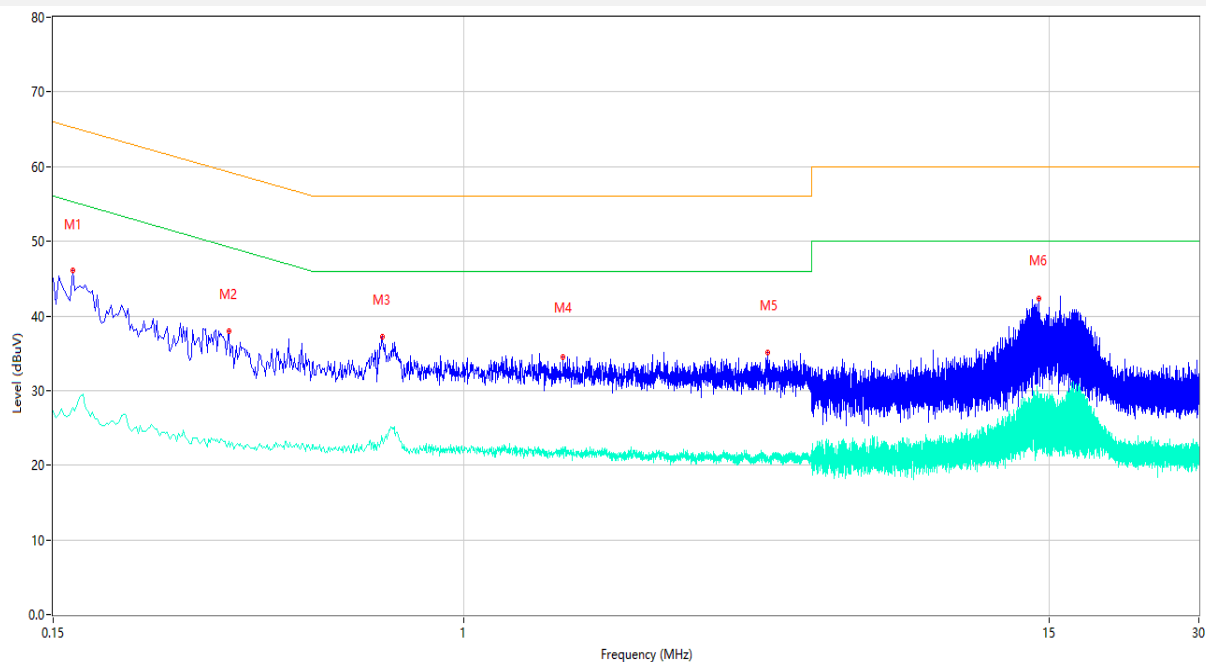
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.172	45.14	10.08	64.86	19.72	Peak	L	Pass
1**	0.172	28.12	10.08	54.86	26.74	AV	L	Pass
2	0.338	39.87	10.13	59.25	19.38	Peak	L	Pass
2**	0.338	23.83	10.13	49.25	25.42	AV	L	Pass
3	0.748	38.70	10.22	56.00	17.30	Peak	L	Pass
3**	0.748	23.03	10.22	46.00	22.97	AV	L	Pass
4	1.536	32.79	10.28	56.00	23.21	Peak	L	Pass
4**	1.536	19.96	10.28	46.00	26.04	AV	L	Pass
5	6.064	34.97	10.59	60.00	25.03	Peak	L	Pass
5**	6.064	21.27	10.59	50.00	28.73	AV	L	Pass
6	13.646	45.90	11.12	60.00	14.10	Peak	L	Pass
6**	13.646	28.89	11.12	50.00	21.11	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.164	46.13	10.15	65.26	19.13	Peak	N	Pass
1**	0.164	27.73	10.15	55.26	27.53	AV	N	Pass
2	0.338	38.04	10.16	59.25	21.21	Peak	N	Pass
2**	0.338	23.22	10.16	49.25	26.03	AV	N	Pass
3	0.688	37.25	10.22	56.00	18.75	Peak	N	Pass
3**	0.688	23.43	10.22	46.00	22.57	AV	N	Pass
4	1.586	34.58	10.24	56.00	21.42	Peak	N	Pass
4**	1.586	22.16	10.24	46.00	23.84	AV	N	Pass
5	4.078	35.07	10.38	56.00	20.93	Peak	N	Pass
5**	4.078	21.19	10.38	46.00	24.81	AV	N	Pass
6	14.346	42.40	11.10	60.00	17.60	Peak	N	Pass
6**	14.346	27.88	11.10	50.00	22.12	AV	N	Pass

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

A.6.1 Radiated Spurious Emissions

Test Data

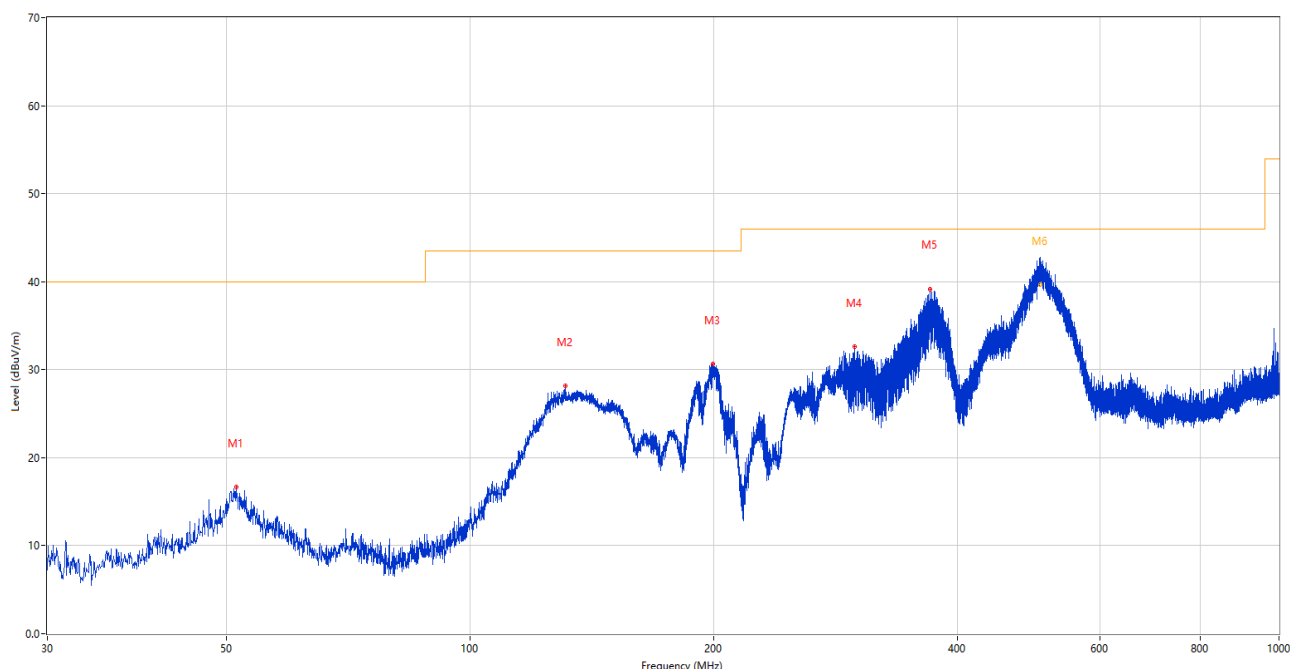
Note 1: The symbol of "--" in the table which means not application.

Note 2: For the test data above 1 GHz, According the ANSI C63.10-2020, 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.

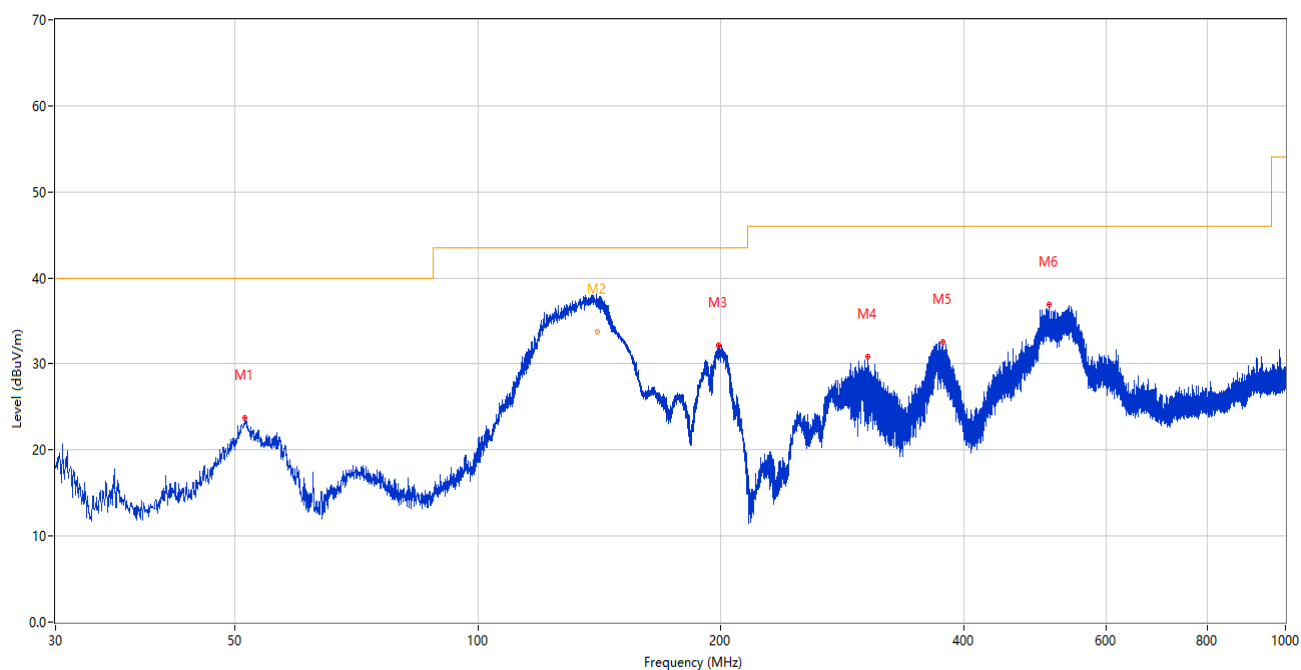
Note 4: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.

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	51.389	16.69	-25.71	40.0	23.31	Peak	34.00	100	Horizontal	Pass
2	130.977	28.18	-29.90	43.5	15.32	Peak	134.00	200	Horizontal	Pass
3	199.411	30.64	-26.52	43.5	12.86	Peak	105.00	100	Horizontal	Pass
4	298.690	32.63	-23.75	46.0	13.37	Peak	34.00	100	Horizontal	Pass
5	370.422	39.18	-22.01	46.0	6.82	Peak	38.00	100	Horizontal	Pass
6	506.272	42.95	-18.04	46.0	3.05	Peak	0.00	199	Horizontal	Pass
6*	506.272	39.66	-18.04	46.0	6.34	QP	0.00	199	Horizontal	Pass

30 MHz to 1 GHz, ANT V

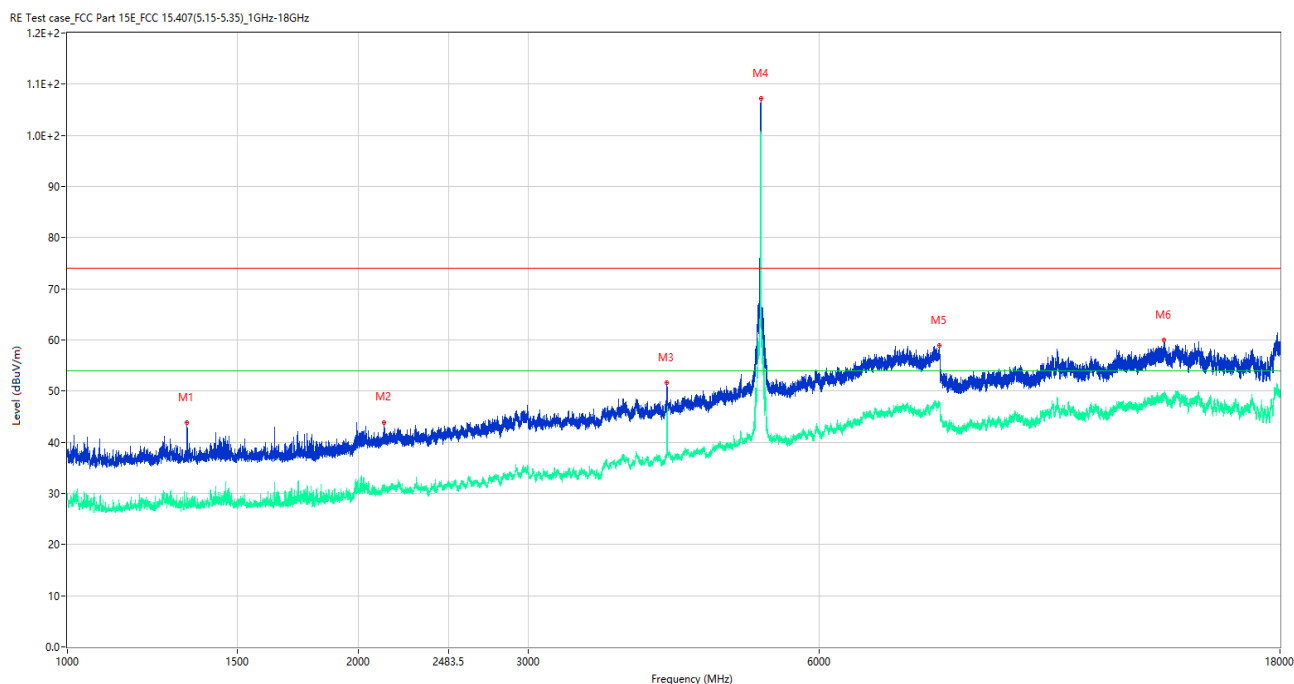


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	51.534	23.79	-25.71	40.0	16.21	Peak	133.00	100	Vertical	Pass
2	140.557	36.69	-30.24	43.5	6.81	Peak	201.00	101	Vertical	N/A
2*	140.557	33.74	-30.24	43.5	9.76	QP	201.00	101	Vertical	Pass
3	198.586	32.22	-26.43	43.5	11.28	Peak	287.00	100	Vertical	Pass
4	303.782	30.80	-23.73	46.0	15.20	Peak	224.00	100	Vertical	Pass
5	376.387	32.61	-21.77	46.0	13.39	Peak	135.00	200	Vertical	Pass
6	510.344	36.86	-18.08	46.0	9.14	Peak	102.00	100	Vertical	Pass

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

Plan A

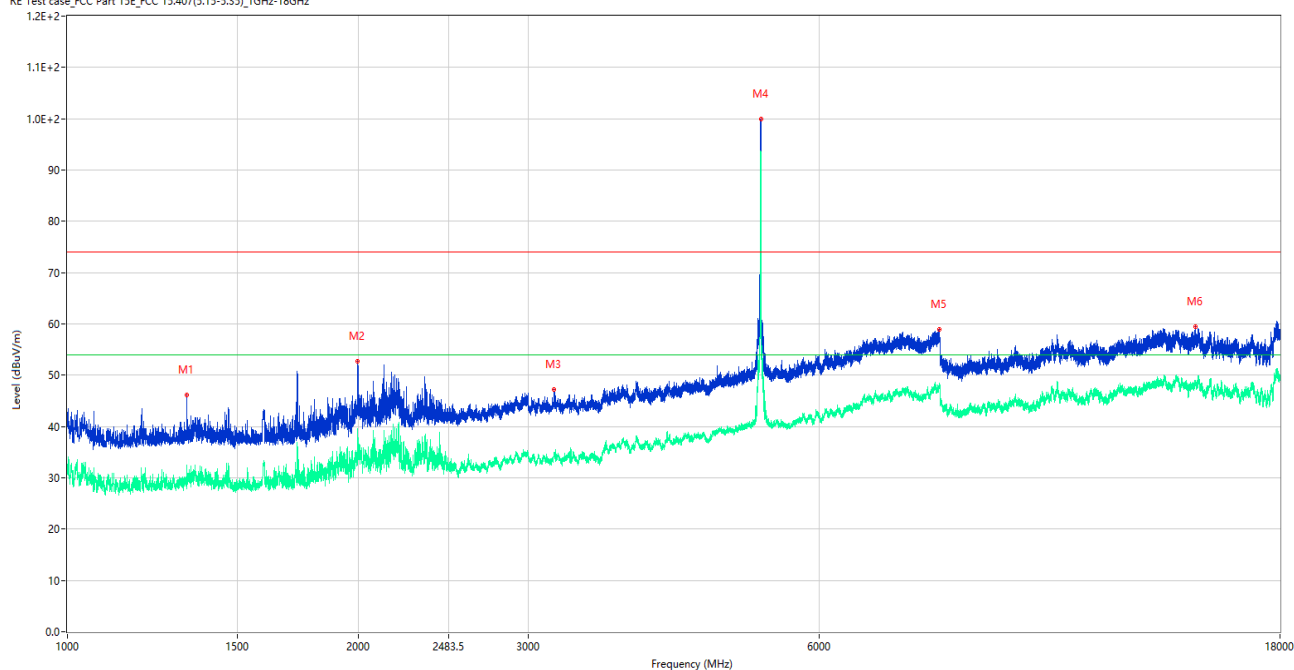
11a, U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.500	43.85	-16.35	74.0	30.15	Peak	79.00	150	Horizontal	Pass
1**	1328.500	28.01	-16.35	54.0	25.99	AV	79.00	150	Horizontal	Pass
2	2128.500	43.92	-12.87	74.0	30.08	Peak	202.00	150	Horizontal	Pass
2**	2128.500	30.20	-12.87	54.0	23.80	AV	202.00	150	Horizontal	Pass
3	4176.000	51.66	-2.87	74.0	22.34	Peak	232.00	150	Horizontal	Pass
3**	4176.000	44.80	-2.87	54.0	9.20	AV	232.00	150	Horizontal	Pass
4	5225.000	107.22	-0.49	74.0	-33.22	Peak	255.00	150	Horizontal	N/A
4**	5225.000	100.33	-0.49	54.0	-46.33	AV	255.00	150	Horizontal	N/A
5	7992.500	58.91	7.26	74.0	15.09	Peak	148.00	150	Horizontal	Pass
5**	7992.500	48.01	7.26	54.0	5.99	AV	148.00	150	Horizontal	Pass
6	13663.500	59.99	9.04	74.0	14.01	Peak	128.00	150	Horizontal	Pass
6**	13663.500	48.75	9.04	54.0	5.25	AV	128.00	150	Horizontal	Pass

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

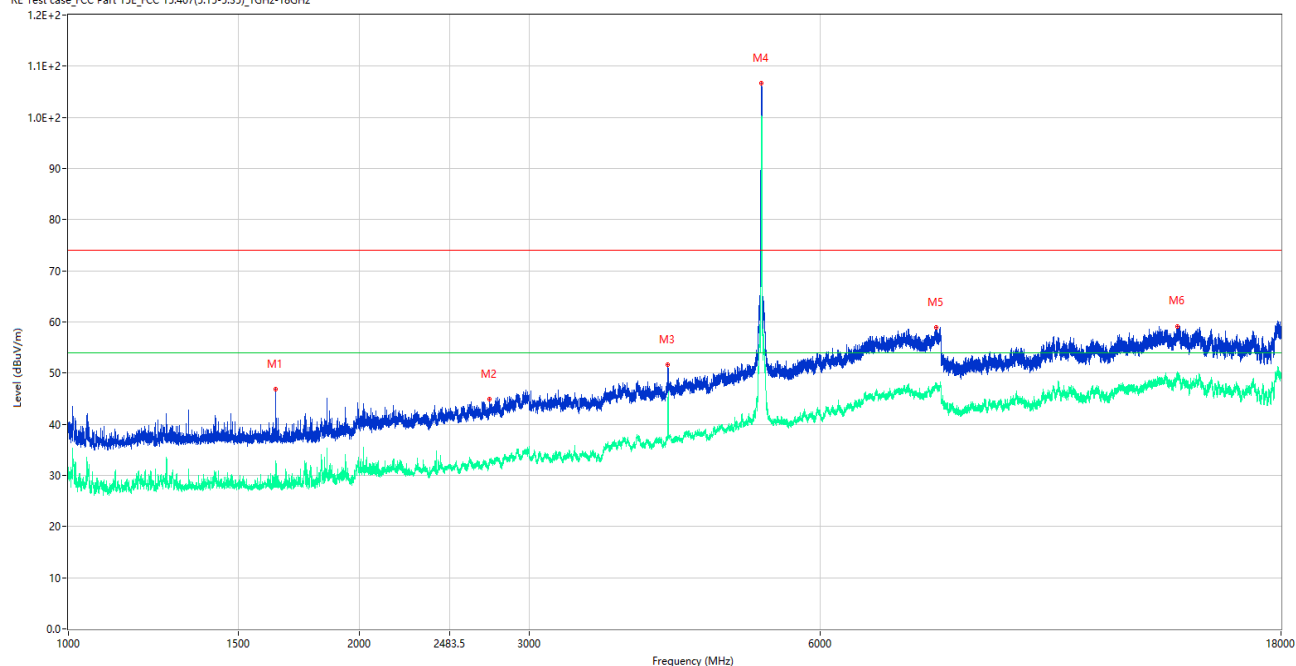
RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.750	46.11	-16.36	74.0	27.89	Peak	64.00	150	Vertical	Pass
1**	1329.750	29.03	-16.36	54.0	24.97	AV	64.00	150	Vertical	Pass
2	1995.000	52.70	-14.31	74.0	21.30	Peak	89.00	150	Vertical	Pass
2**	1995.000	32.40	-14.31	54.0	21.60	AV	89.00	150	Vertical	Pass
3	3190.500	47.27	-7.07	74.0	26.73	Peak	35.00	150	Vertical	Pass
3**	3190.500	35.04	-7.07	54.0	18.96	AV	35.00	150	Vertical	Pass
4	5225.000	99.91	-0.49	74.0	-25.91	Peak	154.00	150	Vertical	N/A
4**	5225.000	93.15	-0.49	54.0	-39.15	AV	154.00	150	Vertical	N/A
5	7987.500	58.91	7.24	74.0	15.09	Peak	49.00	150	Vertical	Pass
5**	7987.500	47.77	7.24	54.0	6.23	AV	49.00	150	Vertical	Pass
6	14701.500	59.49	8.43	74.0	14.51	Peak	1.00	150	Vertical	Pass
6**	14701.500	48.60	8.43	54.0	5.40	AV	1.00	150	Vertical	Pass

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

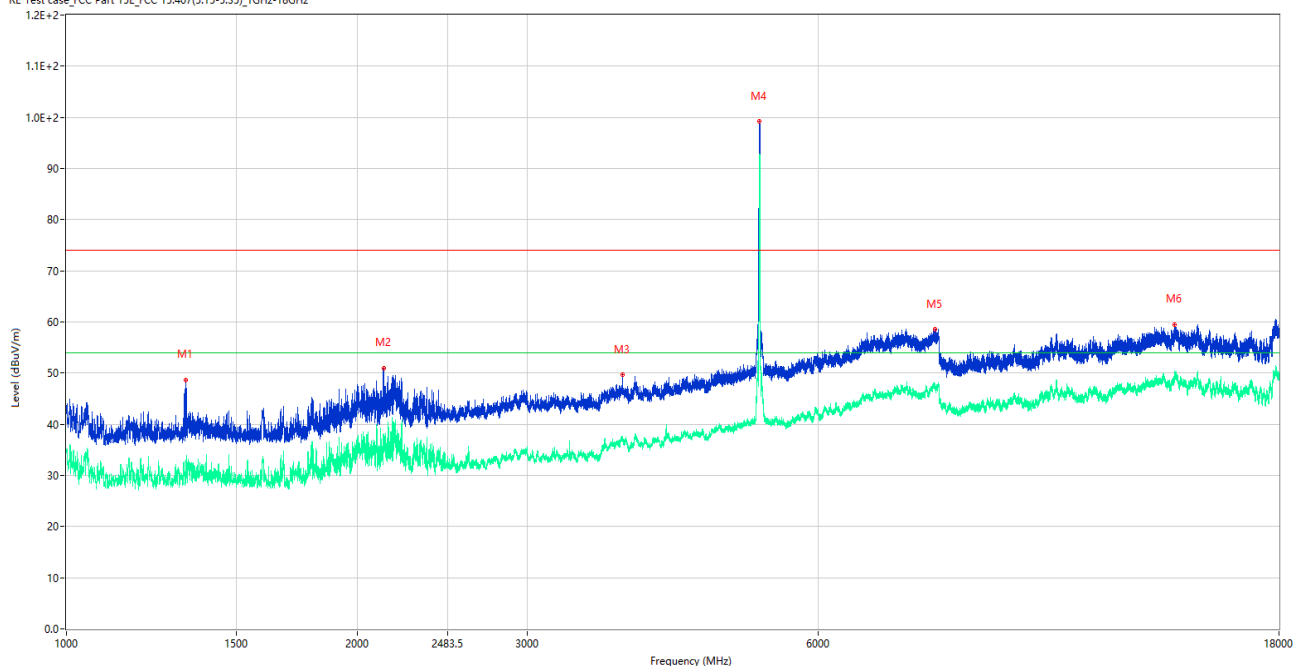
RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1640.000	46.89	-16.41	74.0	27.11	Peak	230.00	150	Horizontal	Pass
1**	1640.000	31.07	-16.41	54.0	22.93	AV	230.00	150	Horizontal	Pass
2	2729.750	44.86	-9.41	74.0	29.14	Peak	55.00	150	Horizontal	Pass
2**	2729.750	33.14	-9.41	54.0	20.86	AV	55.00	150	Horizontal	Pass
3	4176.000	51.64	-2.87	74.0	22.36	Peak	291.00	150	Horizontal	Pass
3**	4176.000	44.47	-2.87	54.0	9.53	AV	291.00	150	Horizontal	Pass
4	5218.000	106.70	-0.22	74.0	-32.70	Peak	168.00	150	Horizontal	N/A
4**	5218.000	99.93	-0.22	54.0	-45.93	AV	168.00	150	Horizontal	N/A
5	7908.000	58.90	6.89	74.0	15.10	Peak	77.00	150	Horizontal	Pass
5**	7908.000	48.11	6.89	54.0	5.89	AV	77.00	150	Horizontal	Pass
6	14060.500	59.18	9.41	74.0	14.82	Peak	72.00	150	Horizontal	Pass
6**	14060.500	49.06	9.41	54.0	4.94	AV	72.00	150	Horizontal	Pass

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

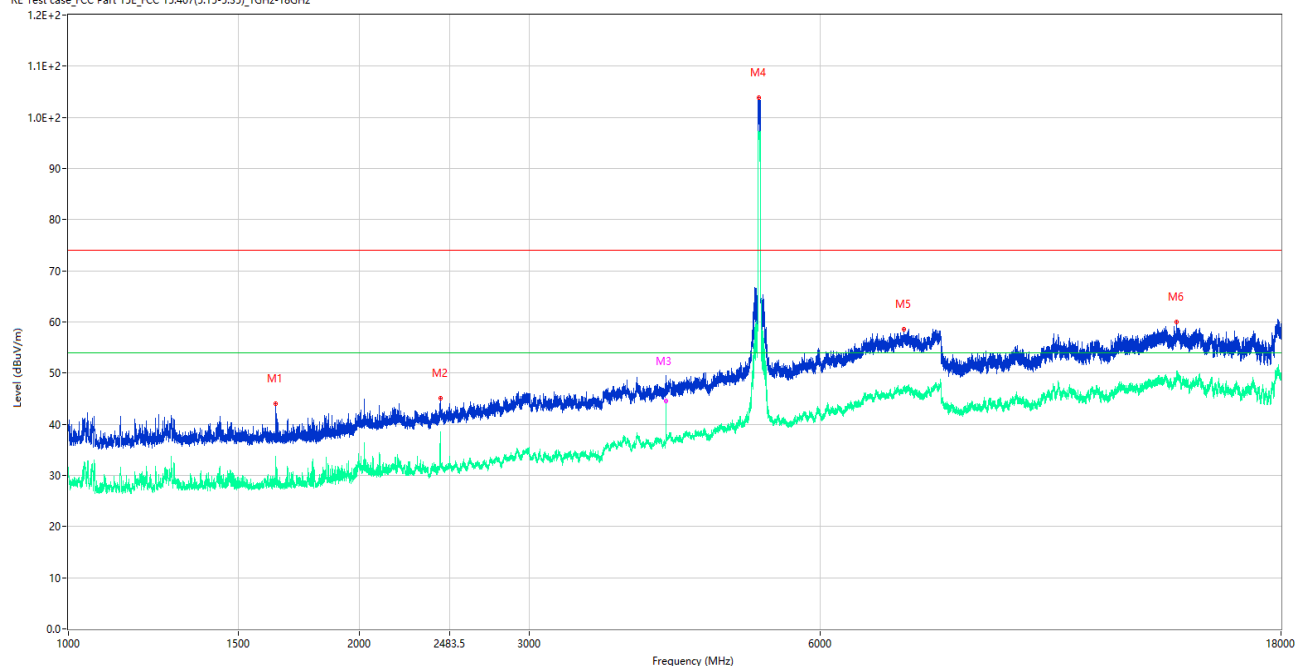
RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.000	48.71	-16.35	74.0	25.29	Peak	84.00	150	Vertical	Pass
1**	1328.000	32.07	-16.35	54.0	21.93	AV	84.00	150	Vertical	Pass
2	2132.750	51.02	-12.82	74.0	22.98	Peak	96.00	150	Vertical	Pass
2**	2132.750	37.14	-12.82	54.0	16.86	AV	96.00	150	Vertical	Pass
3	3764.000	49.70	-3.12	74.0	24.30	Peak	23.00	150	Vertical	Pass
3**	3764.000	37.60	-3.12	54.0	16.40	AV	23.00	150	Vertical	Pass
4	5218.000	99.22	-0.22	74.0	-25.22	Peak	130.00	150	Vertical	N/A
4**	5218.000	92.68	-0.22	54.0	-38.68	AV	130.00	150	Vertical	N/A
5	7930.500	58.61	6.76	74.0	15.39	Peak	84.00	150	Vertical	Pass
5**	7930.500	47.97	6.76	54.0	6.03	AV	84.00	150	Vertical	Pass
6	14037.500	59.55	9.44	74.0	14.45	Peak	147.00	150	Vertical	Pass
6**	14037.500	49.37	9.44	54.0	4.63	AV	147.00	150	Vertical	Pass

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

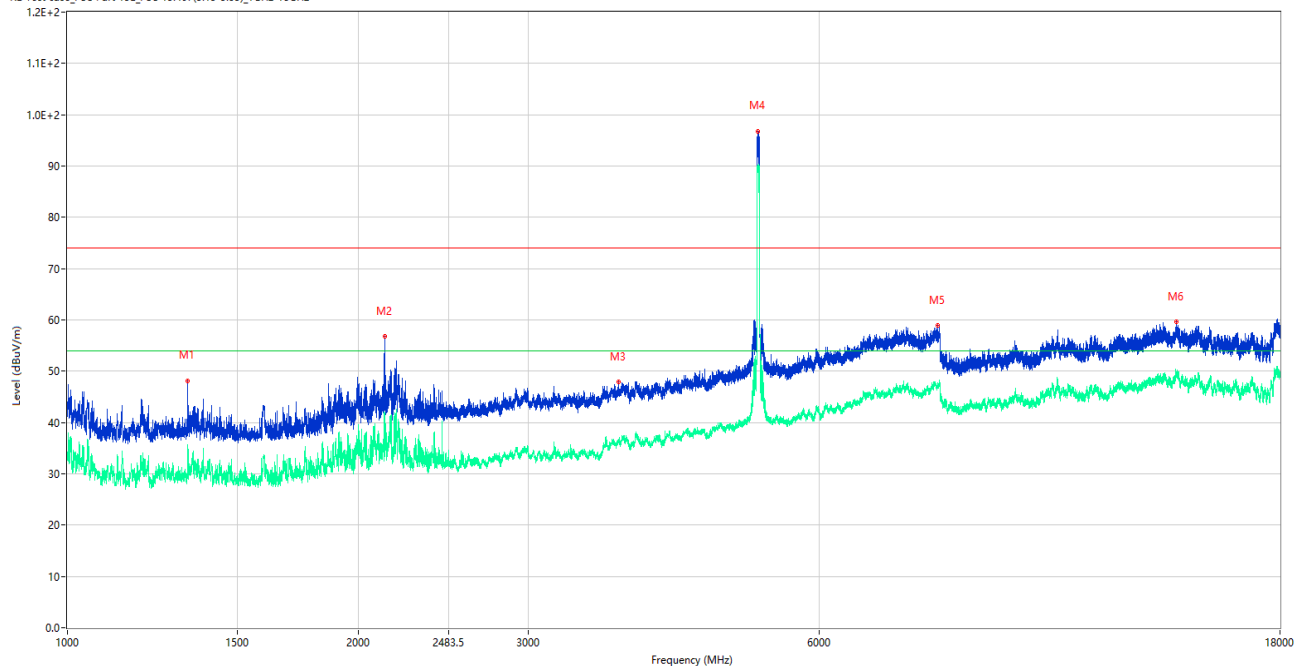
RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1640.000	43.96	-16.41	74.0	30.04	Peak	267.00	150	Horizontal	Pass
1**	1640.000	30.37	-16.41	54.0	23.63	AV	267.00	150	Horizontal	Pass
2	2426.000	45.05	-11.25	74.0	28.95	Peak	41.00	150	Horizontal	Pass
2**	2426.000	38.54	-11.25	54.0	15.46	AV	41.00	150	Horizontal	Pass
3	4152.500	49.44	-3.31	74.0	24.56	Peak	231.00	150	Horizontal	Pass
3**	4152.500	44.60	-3.31	54.0	9.40	AV	231.00	150	Horizontal	Pass
4	5188.000	103.86	-0.21	74.0	-29.86	Peak	252.00	150	Horizontal	N/A
4**	5188.000	97.23	-0.21	54.0	-43.23	AV	252.00	150	Horizontal	N/A
5	7331.000	58.52	5.70	74.0	15.48	Peak	35.00	150	Horizontal	Pass
5**	7331.000	47.02	5.70	54.0	6.98	AV	35.00	150	Horizontal	Pass
6	14034.000	59.92	9.34	74.0	14.08	Peak	280.00	150	Horizontal	Pass
6**	14034.000	48.99	9.34	54.0	5.01	AV	280.00	150	Horizontal	Pass

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

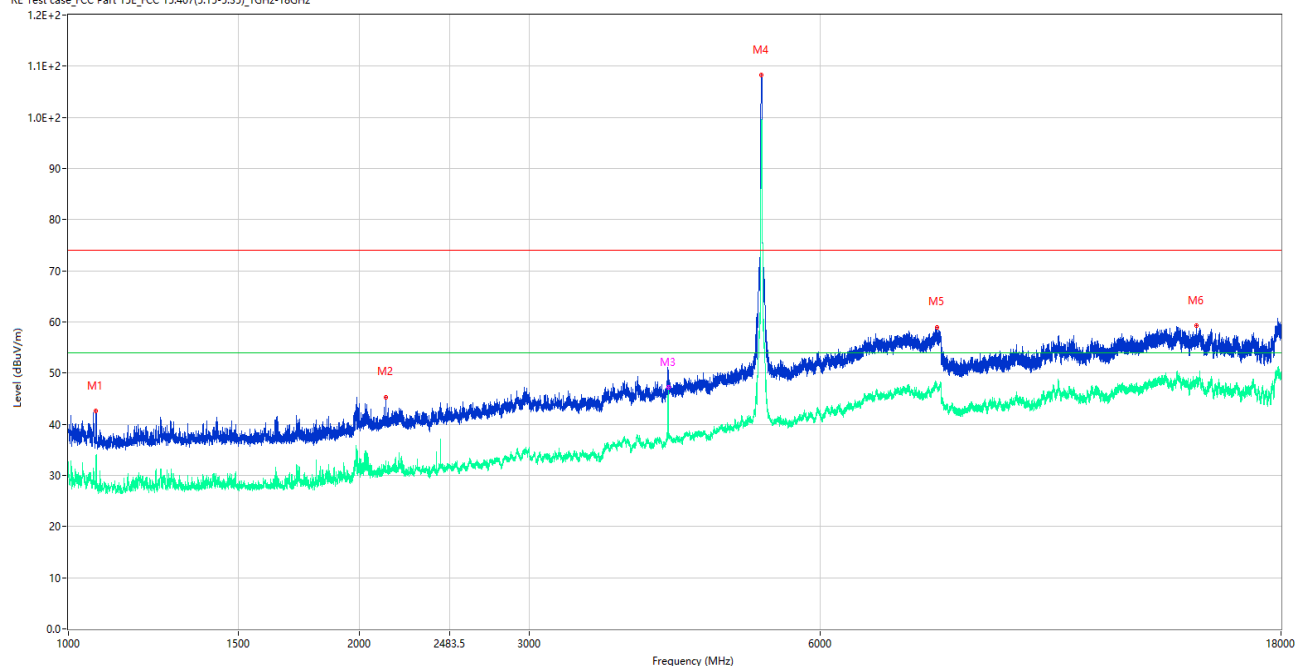
RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.000	48.17	-16.34	74.0	25.83	Peak	34.00	150	Vertical	Pass
1**	1331.000	30.65	-16.34	54.0	23.35	AV	34.00	150	Vertical	Pass
2	2130.250	56.82	-12.85	74.0	17.18	Peak	98.00	150	Vertical	Pass
2**	2130.250	34.66	-12.85	54.0	19.34	AV	98.00	150	Vertical	Pass
3	3718.500	47.97	-3.41	74.0	26.03	Peak	19.00	150	Vertical	Pass
3**	3718.500	36.10	-3.41	54.0	17.90	AV	19.00	150	Vertical	Pass
4	5188.000	96.81	-0.21	74.0	-22.81	Peak	164.00	150	Vertical	N/A
4**	5188.000	90.05	-0.21	54.0	-36.05	AV	164.00	150	Vertical	N/A
5	7957.000	58.87	6.91	74.0	15.13	Peak	325.00	150	Vertical	Pass
5**	7957.000	47.69	6.91	54.0	6.31	AV	325.00	150	Vertical	Pass
6	14051.500	59.68	9.54	74.0	14.32	Peak	20.00	150	Vertical	Pass
6**	14051.500	49.29	9.54	54.0	4.71	AV	20.00	150	Vertical	Pass

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

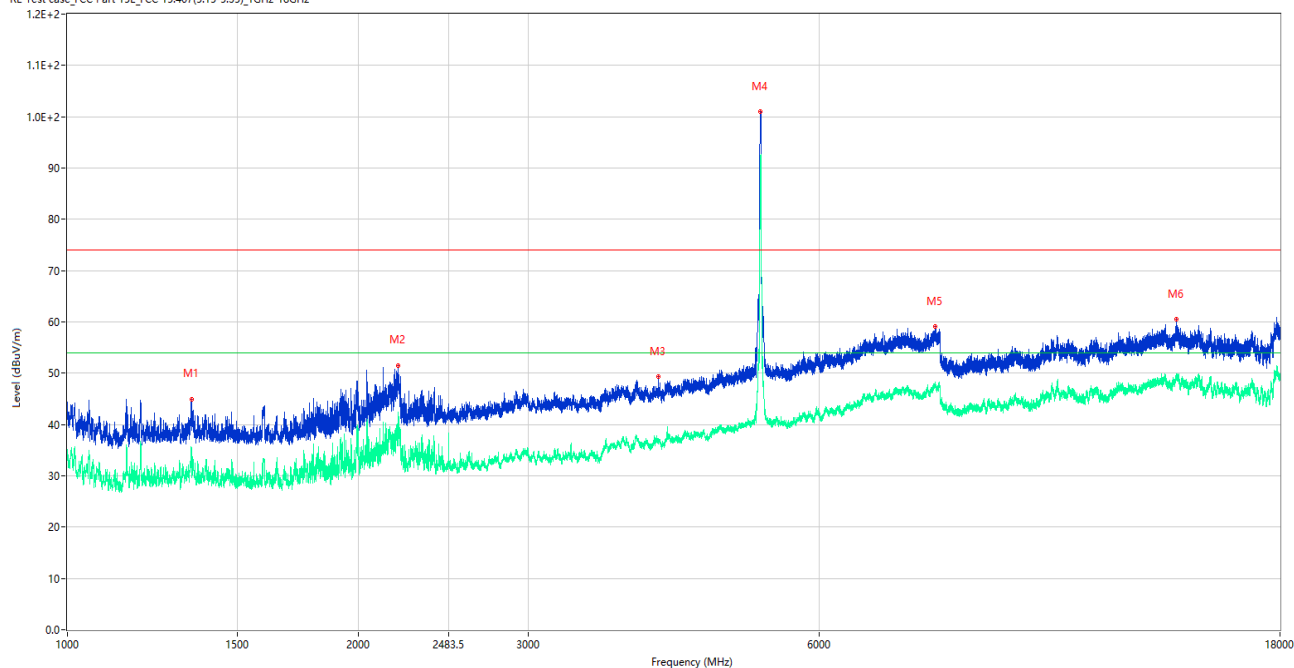
RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1068.000	42.59	-17.00	74.0	31.41	Peak	129.00	150	Horizontal	Pass
1**	1068.000	33.05	-17.00	54.0	20.95	AV	129.00	150	Horizontal	Pass
2	2129.500	45.35	-12.86	74.0	28.65	Peak	119.00	150	Horizontal	Pass
2**	2129.500	30.56	-12.86	54.0	23.44	AV	119.00	150	Horizontal	Pass
3	4176.500	50.24	-2.86	74.0	23.76	Peak	224.00	150	Horizontal	Pass
3**	4176.500	47.21	-2.86	54.0	6.79	AV	224.00	150	Horizontal	Pass
4	5216.500	108.20	-0.19	74.0	-34.20	Peak	257.00	150	Horizontal	N/A
4**	5216.500	99.48	-0.19	54.0	-45.48	AV	257.00	150	Horizontal	N/A
5	7921.500	59.02	6.85	74.0	14.98	Peak	285.00	150	Horizontal	Pass
5**	7921.500	47.18	6.85	54.0	6.82	AV	285.00	150	Horizontal	Pass
6	14708.000	59.24	8.52	74.0	14.76	Peak	191.00	150	Horizontal	Pass
6**	14708.000	48.87	8.52	54.0	5.13	AV	191.00	150	Horizontal	Pass

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

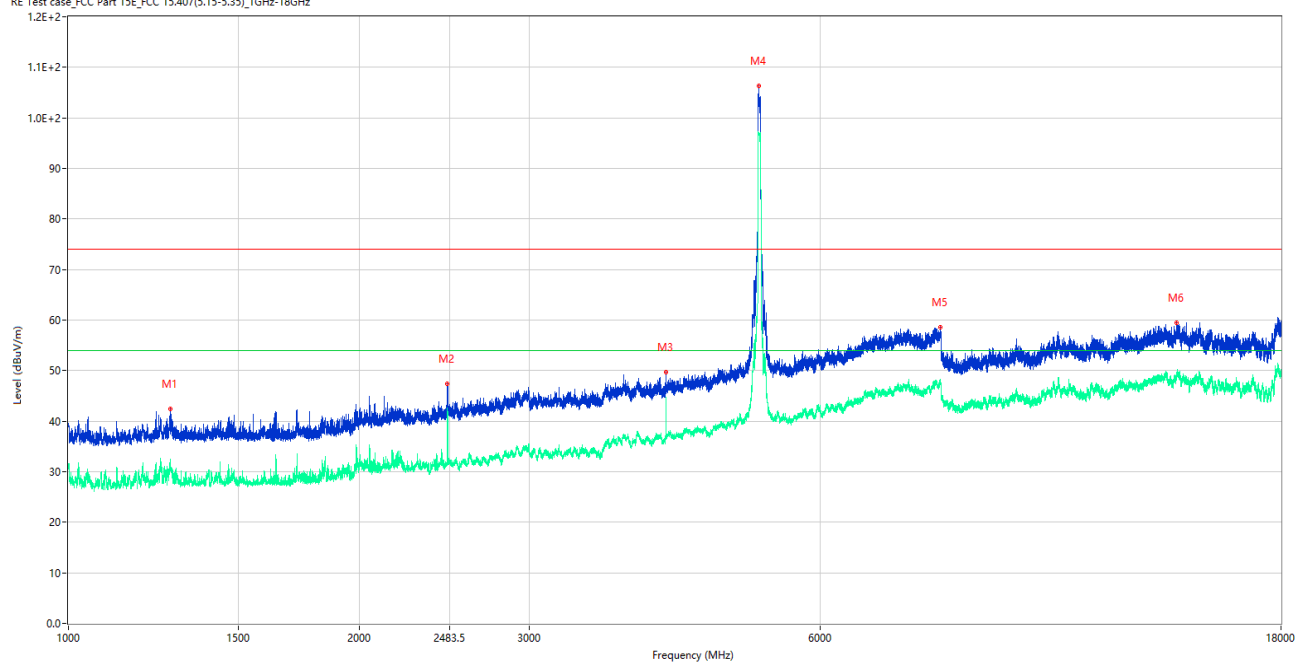
RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1343.750	44.98	-16.13	74.0	29.02	Peak	44.00	150	Vertical	Pass
1**	1343.750	35.51	-16.13	54.0	18.49	AV	44.00	150	Vertical	Pass
2	2199.500	51.54	-12.54	74.0	22.46	Peak	104.00	150	Vertical	Pass
2**	2199.500	37.54	-12.54	54.0	16.46	AV	104.00	150	Vertical	Pass
3	4089.500	49.28	-3.36	74.0	24.72	Peak	104.00	150	Vertical	Pass
3**	4089.500	36.84	-3.36	54.0	17.16	AV	104.00	150	Vertical	Pass
4	5216.500	101.01	-0.19	74.0	-27.01	Peak	163.00	150	Vertical	N/A
4**	5216.500	92.16	-0.19	54.0	-38.16	AV	163.00	150	Vertical	N/A
5	7909.500	59.05	6.91	74.0	14.95	Peak	269.00	150	Vertical	Pass
5**	7909.500	47.31	6.91	54.0	6.69	AV	269.00	150	Vertical	Pass
6	14064.500	60.48	9.34	74.0	13.52	Peak	2.00	150	Vertical	Pass
6**	14064.500	49.03	9.34	54.0	4.97	AV	2.00	150	Vertical	Pass

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

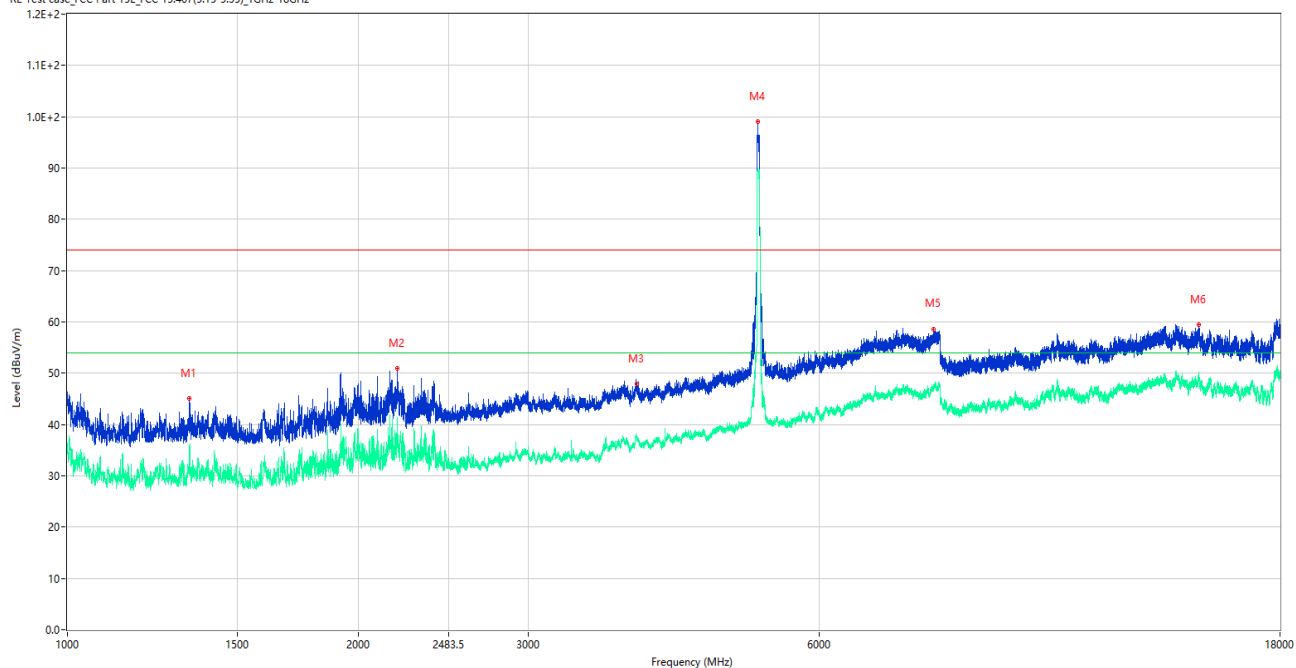
RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1274.750	42.38	-16.38	74.0	31.62	Peak	123.00	150	Horizontal	Pass
1**	1274.750	31.89	-16.38	54.0	22.11	AV	123.00	150	Horizontal	Pass
2	2468.750	47.37	-11.18	74.0	26.63	Peak	133.00	150	Horizontal	Pass
2**	2468.750	31.36	-11.18	54.0	22.64	AV	133.00	150	Horizontal	Pass
3	4152.000	49.67	-3.33	74.0	24.33	Peak	257.00	150	Horizontal	Pass
3**	4152.000	42.21	-3.33	54.0	11.79	AV	257.00	150	Horizontal	Pass
4	5186.000	106.35	-0.23	74.0	-32.35	Peak	252.00	150	Horizontal	N/A
4**	5186.000	97.04	-0.23	54.0	-43.04	AV	252.00	150	Horizontal	N/A
5	7985.000	58.50	7.22	74.0	15.50	Peak	70.00	150	Horizontal	Pass
5**	7985.000	47.40	7.22	54.0	6.60	AV	70.00	150	Horizontal	Pass
6	14030.500	59.45	9.25	74.0	14.55	Peak	34.00	150	Horizontal	Pass
6**	14030.500	49.03	9.25	54.0	4.97	AV	34.00	150	Horizontal	Pass

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

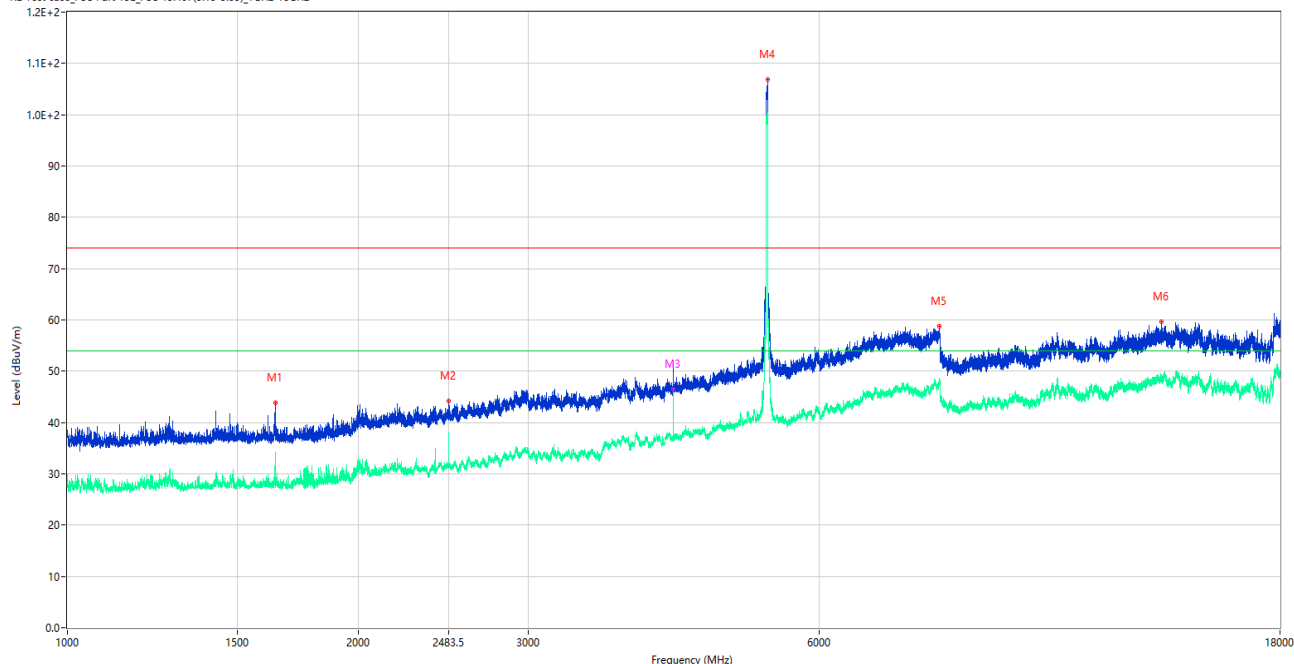
RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1337.500	45.10	-16.22	74.0	28.90	Peak	36.00	150	Vertical	Pass
1**	1337.500	31.45	-16.22	54.0	22.55	AV	36.00	150	Vertical	Pass
2	2195.750	50.91	-12.64	74.0	23.09	Peak	70.00	150	Vertical	Pass
2**	2195.750	38.13	-12.64	54.0	15.87	AV	70.00	150	Vertical	Pass
3	3883.000	47.84	-2.74	74.0	26.16	Peak	4.00	150	Vertical	Pass
3**	3883.000	36.89	-2.74	54.0	17.11	AV	4.00	150	Vertical	Pass
4	5186.000	99.07	-0.23	74.0	-25.07	Peak	202.00	150	Vertical	N/A
4**	5186.000	89.69	-0.23	54.0	-35.69	AV	202.00	150	Vertical	N/A
5	7888.500	58.66	6.55	74.0	15.34	Peak	327.00	150	Vertical	Pass
5**	7888.500	47.42	6.55	54.0	6.58	AV	327.00	150	Vertical	Pass
6	14823.999	59.50	9.39	74.0	14.50	Peak	179.00	150	Vertical	Pass
6**	14823.999	49.40	9.39	54.0	4.60	AV	179.00	150	Vertical	Pass

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

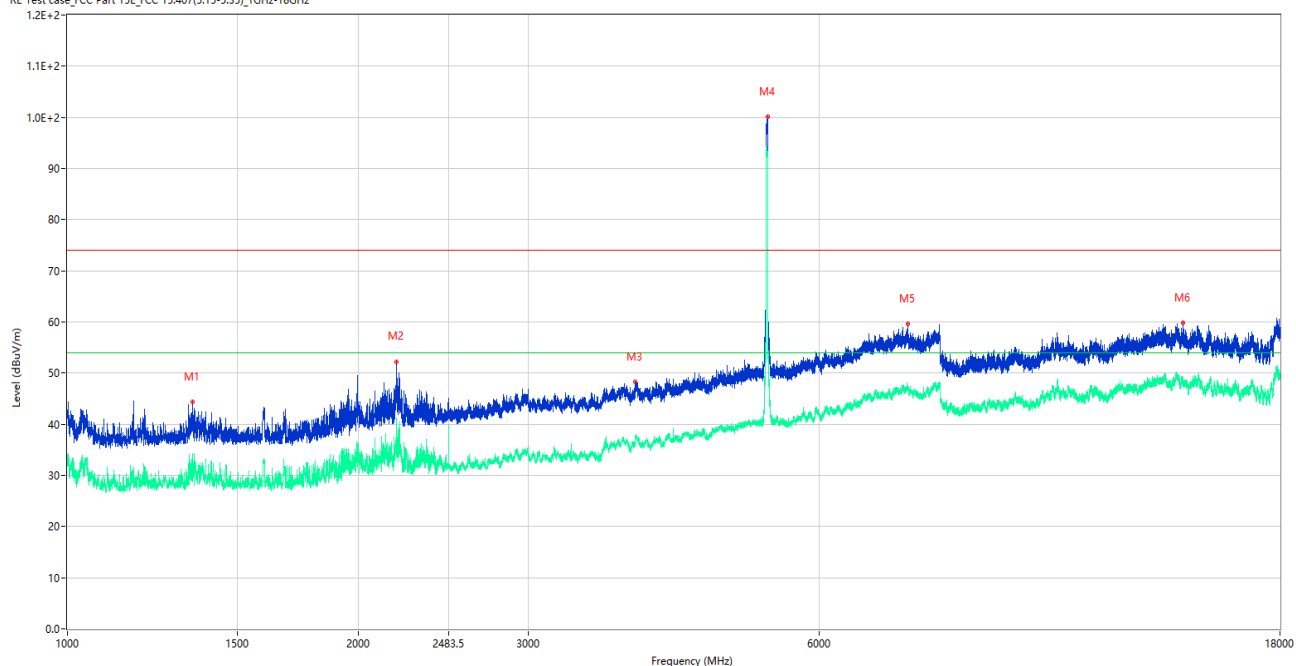
RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1640.500	43.88	-16.39	74.0	30.12	Peak	237.00	150	Horizontal	Pass
1**	1640.500	30.65	-16.39	54.0	23.35	AV	237.00	150	Horizontal	Pass
2	2479.250	44.14	-10.71	74.0	29.86	Peak	65.00	150	Horizontal	Pass
2**	2479.250	33.24	-10.71	54.0	20.76	AV	65.00	150	Horizontal	Pass
3	4240.500	51.84	-3.36	74.0	22.16	Peak	299.00	150	Horizontal	Pass
3**	4240.500	46.57	-3.36	54.0	7.43	AV	299.00	150	Horizontal	Pass
4	5305.500	106.91	0.12	74.0	-32.91	Peak	258.00	150	Horizontal	N/A
4**	5305.500	100.15	0.12	54.0	-46.15	AV	258.00	150	Horizontal	n/a
5	7988.500	58.73	7.25	74.0	15.27	Peak	219.00	150	Horizontal	Pass
5**	7988.500	47.92	7.25	54.0	6.08	AV	219.00	150	Horizontal	Pass
6	13563.000	59.58	8.53	74.0	14.42	Peak	201.00	150	Horizontal	Pass
6**	13563.000	48.31	8.53	54.0	5.69	AV	201.00	150	Horizontal	Pass

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

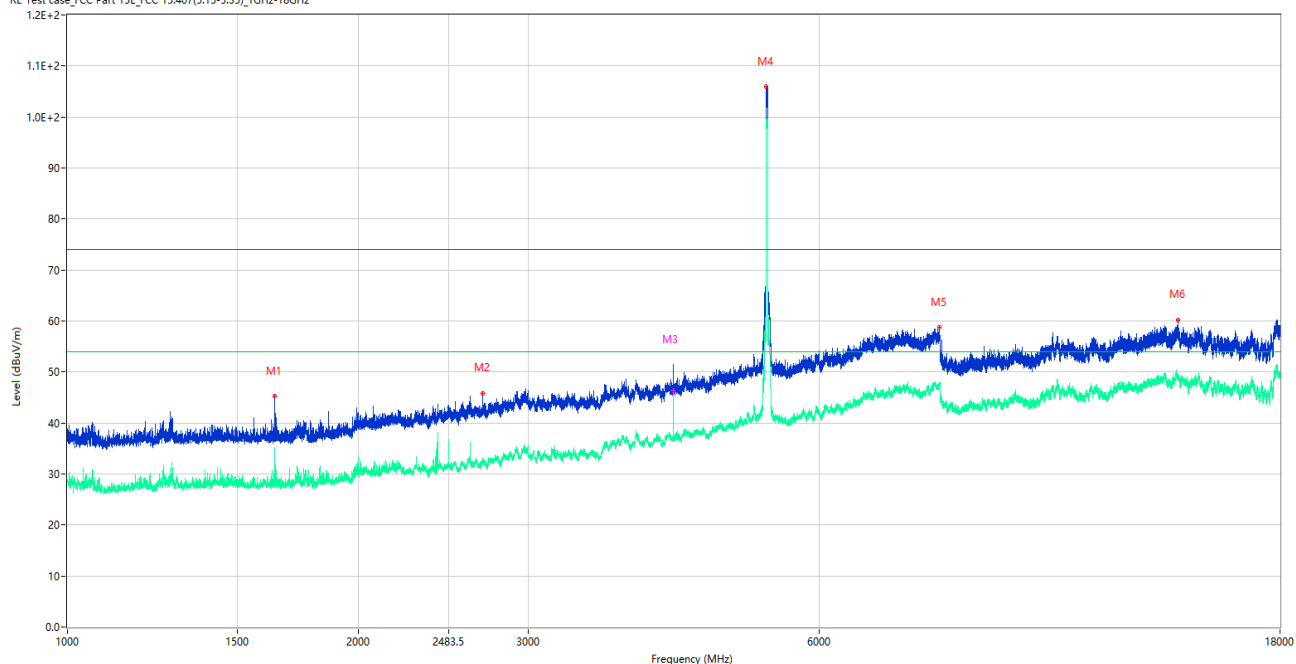
RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1348.250	44.41	-16.07	74.0	29.59	Peak	37.00	150	Vertical	Pass
1**	1348.250	31.95	-16.07	54.0	22.05	AV	37.00	150	Vertical	Pass
2	2189.750	52.26	-12.78	74.0	21.74	Peak	71.00	150	Vertical	Pass
2**	2189.750	40.56	-12.78	54.0	13.44	AV	71.00	150	Vertical	Pass
3	3872.500	48.25	-3.00	74.0	25.75	Peak	92.00	150	Vertical	Pass
3**	3872.500	37.03	-3.00	54.0	16.97	AV	92.00	150	Vertical	Pass
4	5305.500	100.05	0.12	74.0	-26.05	Peak	153.00	150	Vertical	N/A
4**	5305.500	93.27	0.12	54.0	-39.27	AV	153.00	150	Vertical	N/A
5	7408.500	59.65	6.51	74.0	14.35	Peak	151.00	150	Vertical	Pass
5**	7408.500	47.21	6.51	54.0	6.79	AV	151.00	150	Vertical	Pass
6	14291.000	59.78	8.67	74.0	14.22	Peak	359.00	150	Vertical	Pass
6**	14291.000	48.46	8.67	54.0	5.54	AV	359.00	150	Vertical	Pass

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

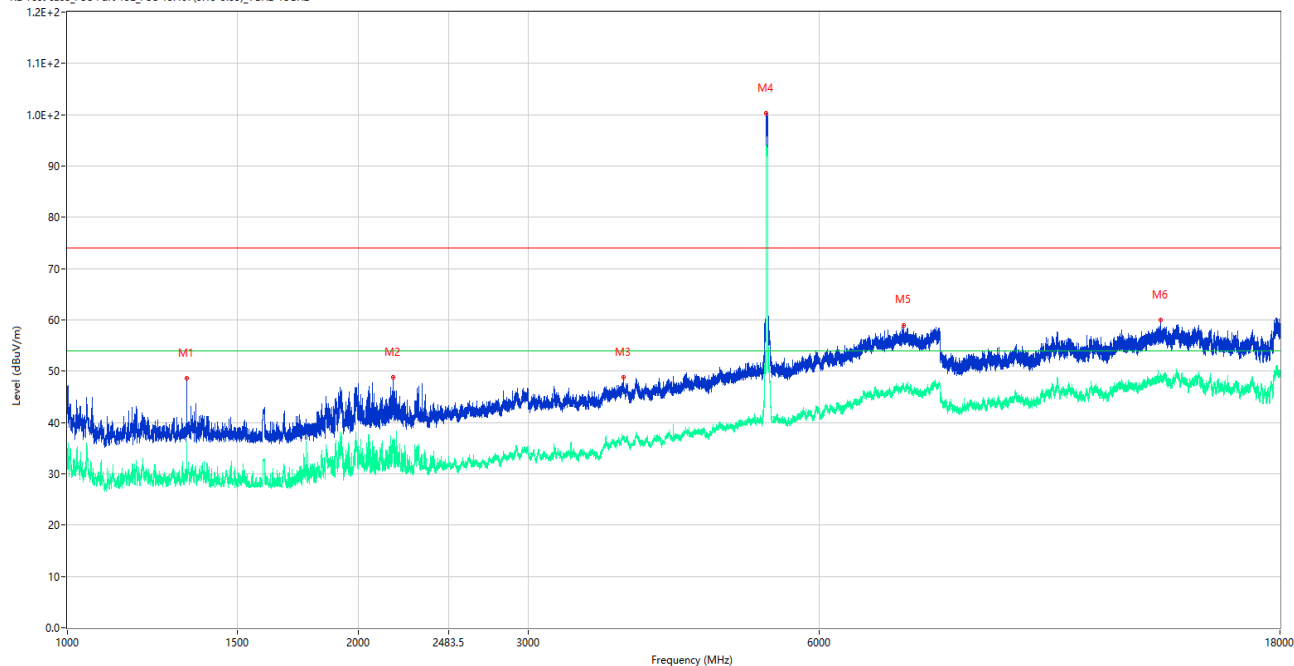
RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1640.000	45.31	-16.41	74.0	28.69	Peak	266.00	150	Horizontal	Pass
1**	1640.000	29.49	-16.41	54.0	24.51	AV	266.00	150	Horizontal	Pass
2	2692.000	45.86	-9.18	74.0	28.14	Peak	296.00	150	Horizontal	Pass
2**	2692.000	32.19	-9.18	54.0	21.81	AV	296.00	150	Horizontal	Pass
3	4240.500	51.05	-3.36	74.0	22.95	Peak	256.00	150	Horizontal	Pass
3**	4240.500	46.34	-3.36	54.0	7.66	AV	256.00	150	Horizontal	Pass
4	5293.000	106.02	-0.00	74.0	-32.02	Peak	256.00	150	Horizontal	N/A
4**	5293.000	99.65	-0.00	54.0	-45.65	AV	256.00	150	Horizontal	N/A
5	7991.000	58.72	7.26	74.0	15.28	Peak	186.00	150	Horizontal	Pass
5**	7991.000	47.73	7.26	54.0	6.27	AV	186.00	150	Horizontal	Pass
6	14103.000	60.25	8.97	74.0	13.75	Peak	61.00	150	Horizontal	Pass
6**	14103.000	49.49	8.97	54.0	4.51	AV	61.00	150	Horizontal	Pass

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

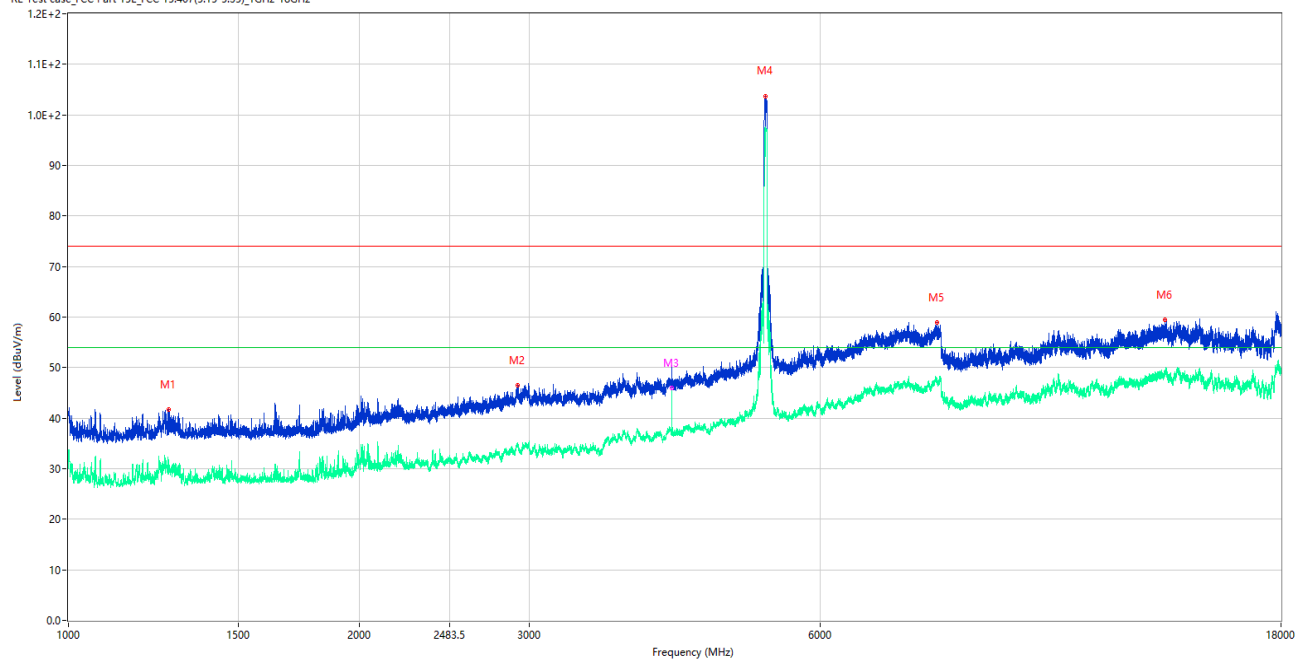
RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.500	48.65	-16.36	74.0	25.35	Peak	41.00	150	Vertical	Pass
1**	1329.500	30.90	-16.36	54.0	23.10	AV	41.00	150	Vertical	Pass
2	2172.250	48.75	-12.41	74.0	25.25	Peak	90.00	150	Vertical	Pass
2**	2172.250	34.82	-12.41	54.0	19.18	AV	90.00	150	Vertical	Pass
3	3761.000	48.79	-2.99	74.0	25.21	Peak	211.00	150	Vertical	Pass
3**	3761.000	37.29	-2.99	54.0	16.71	AV	211.00	150	Vertical	Pass
4	5293.000	100.31	-0.00	74.0	-26.31	Peak	157.00	150	Vertical	N/A
4**	5293.000	93.85	-0.00	54.0	-39.85	AV	157.00	150	Vertical	N/A
5	7345.500	59.02	5.50	74.0	14.98	Peak	208.00	150	Vertical	Pass
5**	7345.500	46.72	5.50	54.0	7.28	AV	208.00	150	Vertical	Pass
6	13552.500	59.99	8.48	74.0	14.01	Peak	0.00	150	Vertical	Pass
6**	13552.500	48.53	8.48	54.0	5.47	AV	0.00	150	Vertical	Pass

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

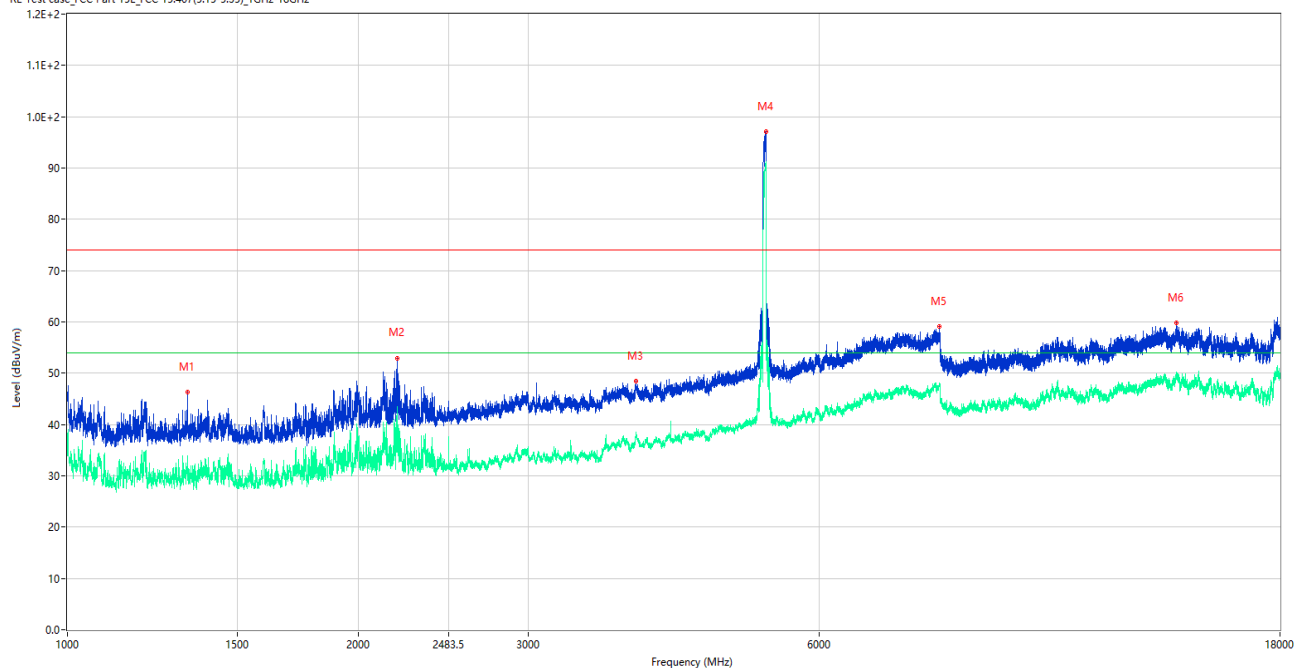
RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1269.000	41.76	-16.31	74.0	32.24	Peak	117.00	150	Horizontal	Pass
1**	1269.000	30.71	-16.31	54.0	23.29	AV	117.00	150	Horizontal	Pass
2	2920.500	46.58	-6.74	74.0	27.42	Peak	292.00	150	Horizontal	Pass
2**	2920.500	34.67	-6.74	54.0	19.33	AV	292.00	150	Horizontal	Pass
3	4216.500	49.99	-3.23	74.0	24.01	Peak	225.00	150	Horizontal	Pass
3**	4216.500	45.97	-3.23	54.0	8.03	AV	225.00	150	Horizontal	Pass
4	5268.000	103.75	-0.57	74.0	-29.75	Peak	253.00	150	Horizontal	N/A
4**	5268.000	97.05	-0.57	54.0	-43.05	AV	253.00	150	Horizontal	N/A
5	7922.000	58.86	6.85	74.0	15.14	Peak	48.00	150	Horizontal	Pass
5**	7922.000	47.88	6.85	54.0	6.12	AV	48.00	150	Horizontal	Pass
6	13651.000	59.38	8.85	74.0	14.62	Peak	164.00	150	Horizontal	Pass
6**	13651.000	49.14	8.85	54.0	4.86	AV	164.00	150	Horizontal	Pass

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

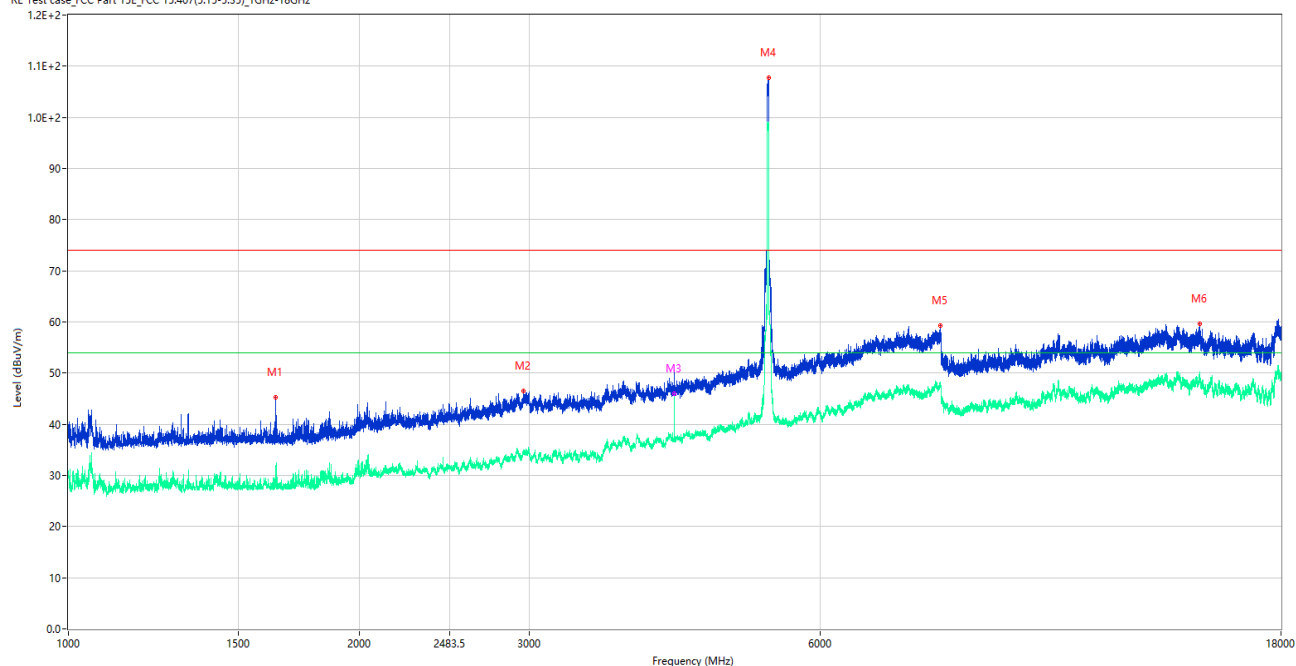
RE Test case FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.500	46.33	-16.35	74.0	27.67	Peak	72.00	150	Vertical	Pass
1**	1330.500	30.31	-16.35	54.0	23.69	AV	72.00	150	Vertical	Pass
2	2193.750	52.98	-12.69	74.0	21.02	Peak	81.00	150	Vertical	Pass
2**	2193.750	40.94	-12.69	54.0	13.06	AV	81.00	150	Vertical	Pass
3	3875.000	48.47	-2.86	74.0	25.53	Peak	256.00	150	Vertical	Pass
3**	3875.000	37.41	-2.86	54.0	16.59	AV	256.00	150	Vertical	Pass
4	5286.500	97.05	-0.15	74.0	-23.05	Peak	159.00	150	Vertical	N/A
4**	5286.500	91.11	-0.15	54.0	-37.11	AV	159.00	150	Vertical	N/A
5	7997.000	59.17	7.27	74.0	14.83	Peak	16.00	150	Vertical	Pass
5**	7997.000	48.19	7.27	54.0	5.81	AV	16.00	150	Vertical	Pass
6	14048.500	59.82	9.55	74.0	14.18	Peak	2.00	150	Vertical	Pass
6**	14048.500	49.46	9.55	54.0	4.54	AV	2.00	150	Vertical	Pass

11ax20 (SU), U-NII-2A, 1 GHz to 18 GHz, Middle Channel, ANT H

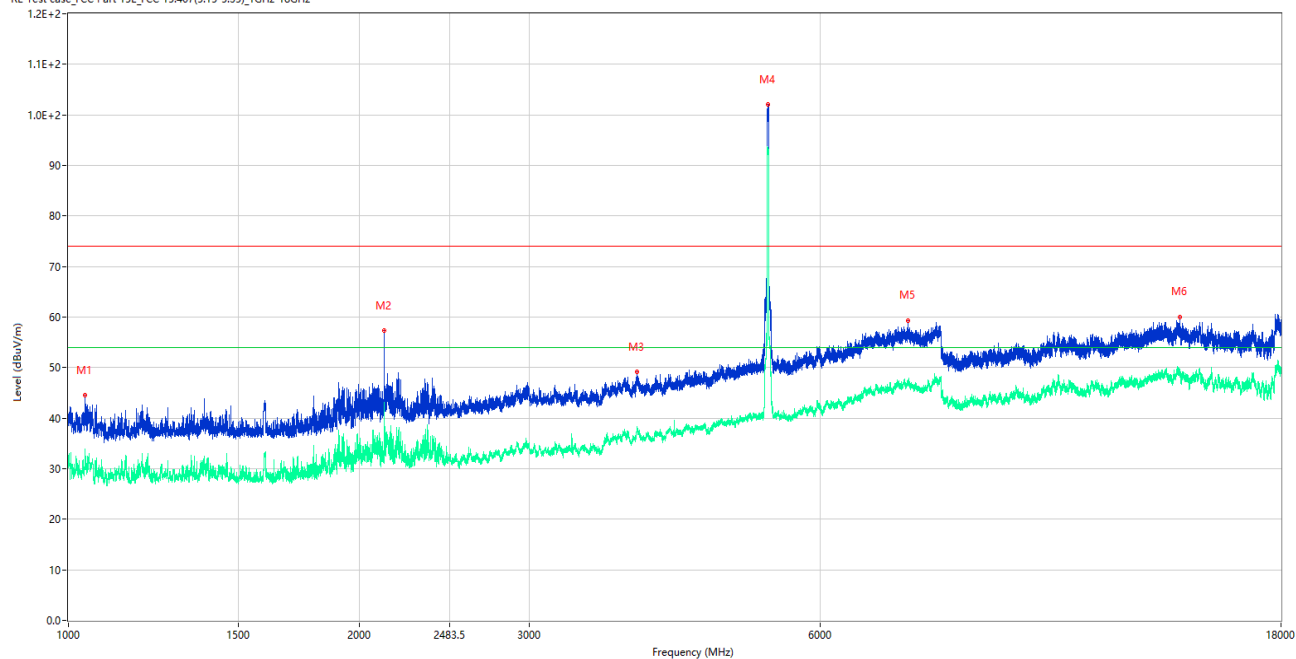
RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1638.750	45.29	-16.42	74.0	28.71	Peak	250.00	150	Horizontal	Pass
1**	1638.750	27.92	-16.42	54.0	26.08	AV	250.00	150	Horizontal	Pass
2	2960.000	46.54	-6.46	74.0	27.46	Peak	3.00	150	Horizontal	Pass
2**	2960.000	34.20	-6.46	54.0	19.80	AV	3.00	150	Horizontal	Pass
3	4240.500	50.41	-3.36	74.0	23.59	Peak	282.00	150	Horizontal	Pass
3**	4240.500	45.91	-3.36	54.0	8.09	AV	282.00	150	Horizontal	Pass
4	5306.500	107.67	0.12	74.0	-33.67	Peak	258.00	150	Horizontal	N/A
4**	5306.500	98.82	0.12	54.0	-44.82	AV	258.00	150	Horizontal	N/A
5	7990.500	59.30	7.26	74.0	14.70	Peak	182.00	150	Horizontal	Pass
5**	7990.500	47.38	7.26	54.0	6.62	AV	182.00	150	Horizontal	Pass
6	14838.500	59.65	8.76	74.0	14.35	Peak	249.00	150	Horizontal	Pass
6**	14838.500	48.87	8.76	54.0	5.13	AV	249.00	150	Horizontal	Pass

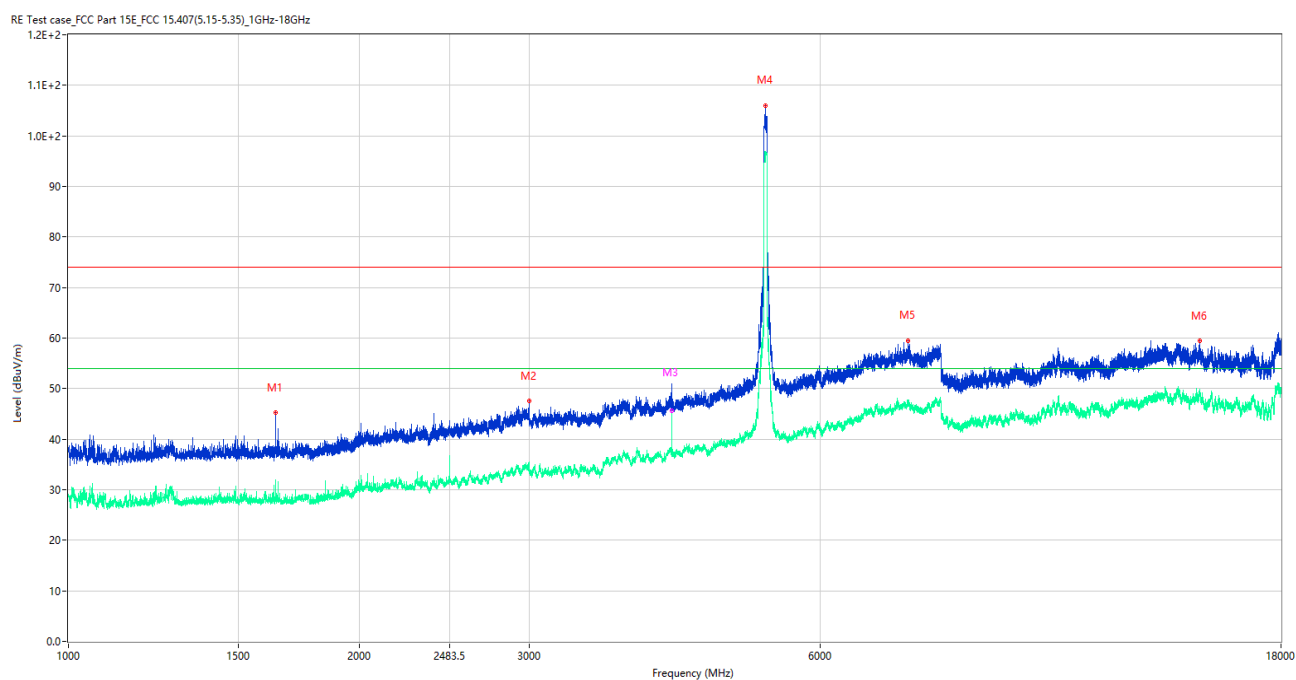
11ax20 (SU), U-NII-2A, 1 GHz to 18 GHz, Middle Channel, ANT V

RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1040.500	44.52	-16.80	74.0	29.48	Peak	69.00	150	Vertical	Pass
1**	1040.500	32.03	-16.80	54.0	21.97	AV	69.00	150	Vertical	Pass
2	2124.250	57.35	-12.93	74.0	16.65	Peak	61.00	150	Vertical	Pass
2**	2124.250	34.39	-12.93	54.0	19.61	AV	61.00	150	Vertical	Pass
3	3880.000	49.18	-2.58	74.0	24.82	Peak	36.00	150	Vertical	Pass
3**	3880.000	38.08	-2.58	54.0	15.92	AV	36.00	150	Vertical	Pass
4	5296.500	102.07	0.06	74.0	-28.07	Peak	156.00	150	Vertical	N/A
4**	5296.500	93.30	0.06	54.0	-39.30	AV	156.00	150	Vertical	N/A
5	7394.500	59.37	6.16	74.0	14.63	Peak	178.00	150	Vertical	Pass
5**	7394.500	46.81	6.16	54.0	7.19	AV	178.00	150	Vertical	Pass
6	14132.500	60.06	9.21	74.0	13.94	Peak	357.00	150	Vertical	Pass
6**	14132.500	49.27	9.21	54.0	4.73	AV	357.00	150	Vertical	Pass

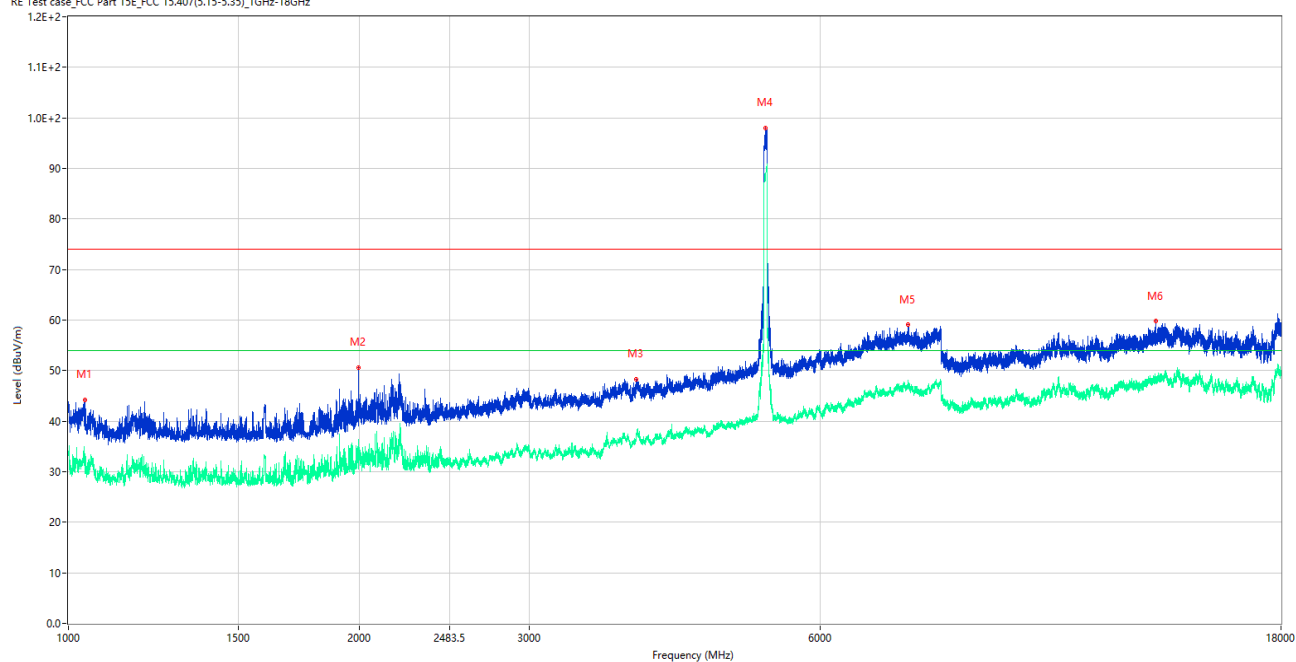
11ax40 (SU), U-NII-2A, 1 GHz to 18 GHz, Low Channel, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1638.750	45.22	-16.42	74.0	28.78	Peak	217.00	150	Horizontal	Pass
1**	1638.750	28.42	-16.42	54.0	25.58	AV	217.00	150	Horizontal	Pass
2	2997.500	47.49	-6.15	74.0	26.51	Peak	340.00	150	Horizontal	Pass
2**	2997.500	34.71	-6.15	54.0	19.29	AV	340.00	150	Horizontal	Pass
3	4216.500	50.91	-3.23	74.0	23.09	Peak	293.00	150	Horizontal	Pass
3**	4216.500	45.59	-3.23	54.0	8.41	AV	293.00	150	Horizontal	Pass
4	5266.000	106.05	-0.60	74.0	-32.05	Peak	252.00	150	Horizontal	N/A
4**	5266.000	96.74	-0.60	54.0	-42.74	AV	252.00	150	Horizontal	N/A
5	7403.500	59.53	6.43	74.0	14.47	Peak	286.00	150	Horizontal	Pass
5**	7403.500	47.77	6.43	54.0	6.23	AV	286.00	150	Horizontal	Pass
6	14823.500	59.48	9.41	74.0	14.52	Peak	337.00	150	Horizontal	Pass
6**	14823.500	49.18	9.41	54.0	4.82	AV	337.00	150	Horizontal	Pass

11ax40 (SU), U-NII-2A, 1 GHz to 18 GHz, Low Channel, ANT V

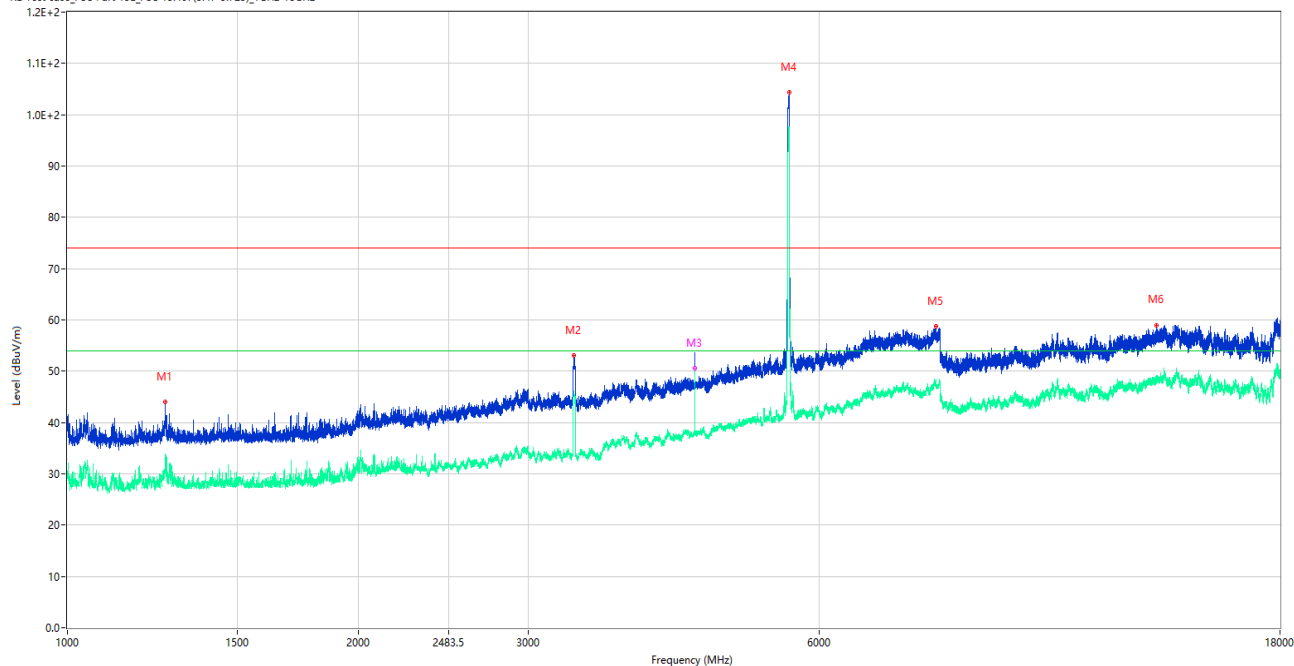
RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1041.250	44.29	-16.79	74.0	29.71	Peak	104.00	150	Vertical	Pass
1**	1041.250	31.31	-16.79	54.0	22.69	AV	104.00	150	Vertical	Pass
2	1997.250	50.67	-14.31	74.0	23.33	Peak	56.00	150	Vertical	Pass
2**	1997.250	34.54	-14.31	54.0	19.46	AV	56.00	150	Vertical	Pass
3	3872.000	48.35	-3.03	74.0	25.65	Peak	128.00	150	Vertical	Pass
3**	3872.000	36.84	-3.03	54.0	17.16	AV	128.00	150	Vertical	Pass
4	5266.000	98.07	-0.60	74.0	-24.07	Peak	153.00	150	Vertical	N/A
4**	5266.000	88.83	-0.60	54.0	-34.83	AV	153.00	150	Vertical	N/A
5	7404.000	59.04	6.44	74.0	14.96	Peak	182.00	150	Vertical	Pass
5**	7404.000	47.63	6.44	54.0	6.37	AV	182.00	150	Vertical	Pass
6	13358.500	59.76	8.74	74.0	14.24	Peak	2.00	150	Vertical	Pass
6**	13358.500	47.80	8.74	54.0	6.20	AV	2.00	150	Vertical	Pass

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

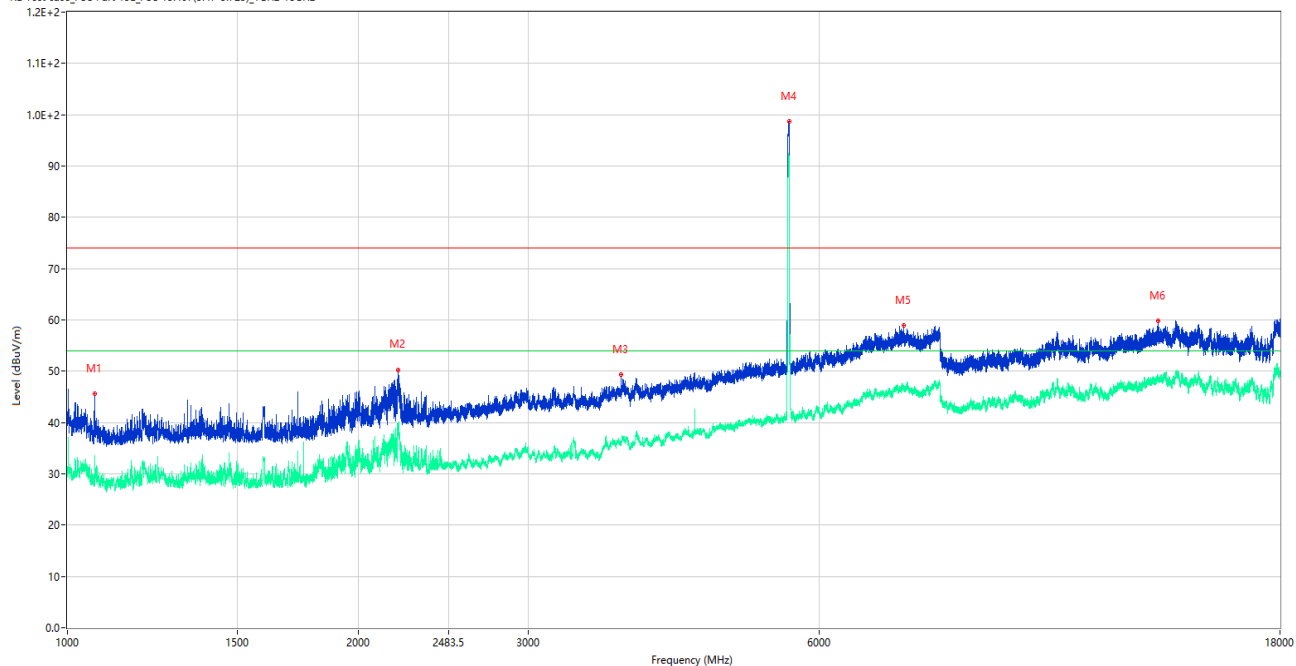
RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1263.250	44.04	-16.25	74.0	29.96	Peak	123.00	150	Horizontal	Pass
1**	1263.250	32.43	-16.25	54.0	21.57	AV	123.00	150	Horizontal	Pass
2	3343.000	53.11	-6.27	74.0	20.89	Peak	206.00	150	Horizontal	Pass
2**	3343.000	45.60	-6.27	54.0	8.40	AV	206.00	150	Horizontal	Pass
3	4464.500	53.45	-2.28	74.0	20.55	Peak	281.00	150	Horizontal	Pass
3**	4464.500	50.83	-2.28	54.0	3.17	AV	281.00	150	Horizontal	Pass
4	5585.500	104.31	-1.20	74.0	-30.31	Peak	146.00	150	Horizontal	N/A
4**	5585.500	97.39	-1.20	54.0	-43.39	AV	146.00	150	Horizontal	N/A
5	7921.500	58.79	6.85	74.0	15.21	Peak	360.00	150	Horizontal	Pass
5**	7921.500	47.52	6.85	54.0	6.48	AV	360.00	150	Horizontal	Pass
6	13419.500	59.02	8.70	74.0	14.98	Peak	146.00	150	Horizontal	Pass
6**	13419.500	48.59	8.70	54.0	5.41	AV	146.00	150	Horizontal	Pass

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

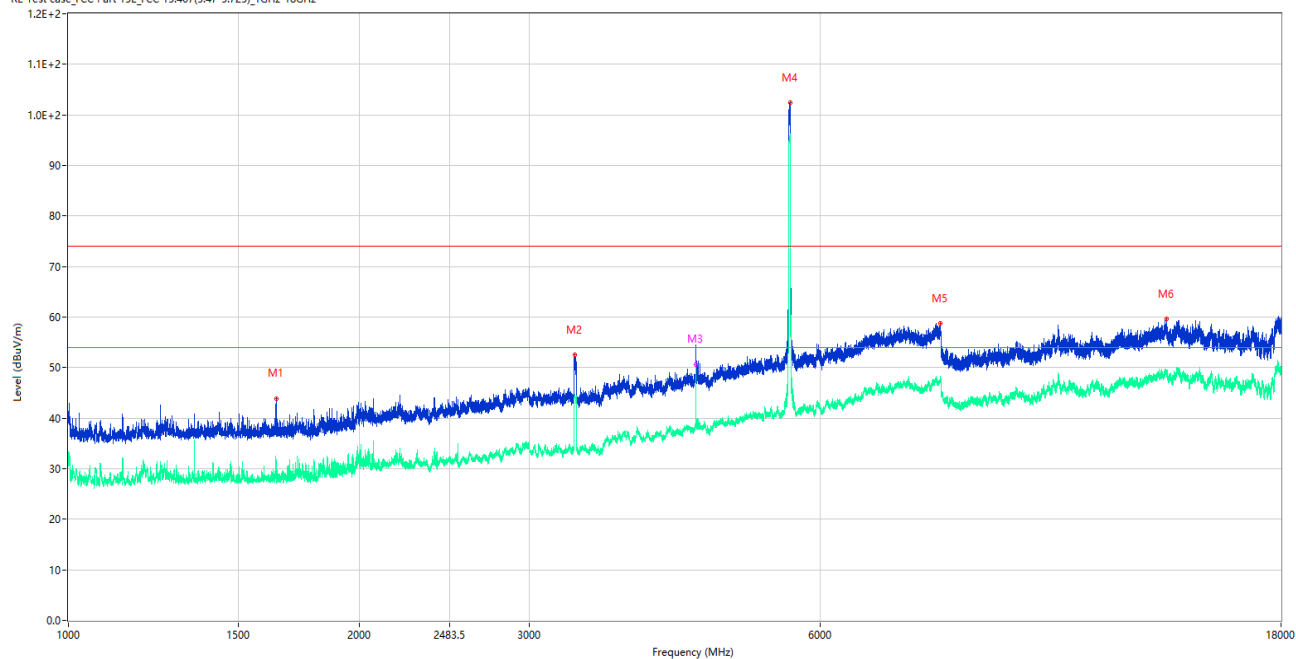
RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1066.500	45.56	-16.97	74.0	28.44	Peak	51.00	150	Vertical	Pass
1**	1066.500	28.78	-16.97	54.0	25.22	AV	51.00	150	Vertical	Pass
2	2201.750	50.31	-12.43	74.0	23.69	Peak	70.00	150	Vertical	Pass
2**	2201.750	39.46	-12.43	54.0	14.54	AV	70.00	150	Vertical	Pass
3	3745.500	49.36	-3.39	74.0	24.64	Peak	205.00	150	Vertical	Pass
3**	3745.500	36.39	-3.39	54.0	17.61	AV	205.00	150	Vertical	Pass
4	5585.500	98.68	-1.20	74.0	-24.68	Peak	151.00	150	Vertical	N/A
4**	5585.500	91.78	-1.20	54.0	-37.78	AV	151.00	150	Vertical	N/A
5	7340.000	58.89	5.56	74.0	15.11	Peak	173.00	150	Vertical	Pass
5**	7340.000	46.84	5.56	54.0	7.16	AV	173.00	150	Vertical	Pass
6	13457.500	59.87	8.55	74.0	14.13	Peak	56.00	150	Vertical	Pass
6**	13457.500	48.54	8.55	54.0	5.46	AV	56.00	150	Vertical	Pass

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

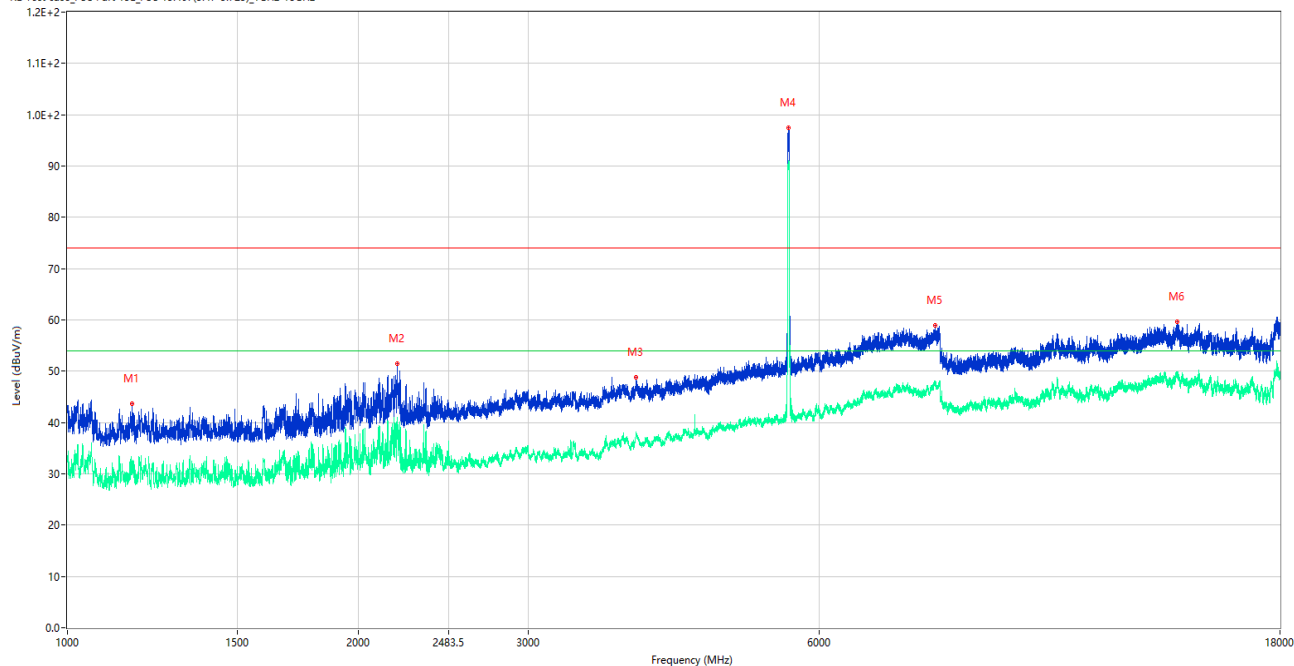
RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1640.750	43.93	-16.39	74.0	30.07	Peak	268.00	150	Horizontal	Pass
1**	1640.750	29.84	-16.39	54.0	24.16	AV	268.00	150	Horizontal	Pass
2	3341.000	52.58	-6.24	74.0	21.42	Peak	231.00	150	Horizontal	Pass
2**	3341.000	44.39	-6.24	54.0	9.61	AV	231.00	150	Horizontal	Pass
3	4464.500	54.70	-2.28	74.0	19.30	Peak	296.00	150	Horizontal	Pass
3**	4464.500	50.75	-2.28	54.0	3.25	AV	296.00	150	Horizontal	Pass
4	5587.000	102.43	-1.21	74.0	-28.43	Peak	147.00	150	Horizontal	N/A
4**	5587.000	96.07	-1.21	54.0	-42.07	AV	147.00	150	Horizontal	N/A
5	7984.000	58.76	7.21	74.0	15.24	Peak	154.00	150	Horizontal	Pass
5**	7984.000	47.52	7.21	54.0	6.48	AV	154.00	150	Horizontal	Pass
6	13698.000	59.65	9.13	74.0	14.35	Peak	219.00	150	Horizontal	Pass
6**	13698.000	49.26	9.13	54.0	4.74	AV	219.00	150	Horizontal	Pass

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

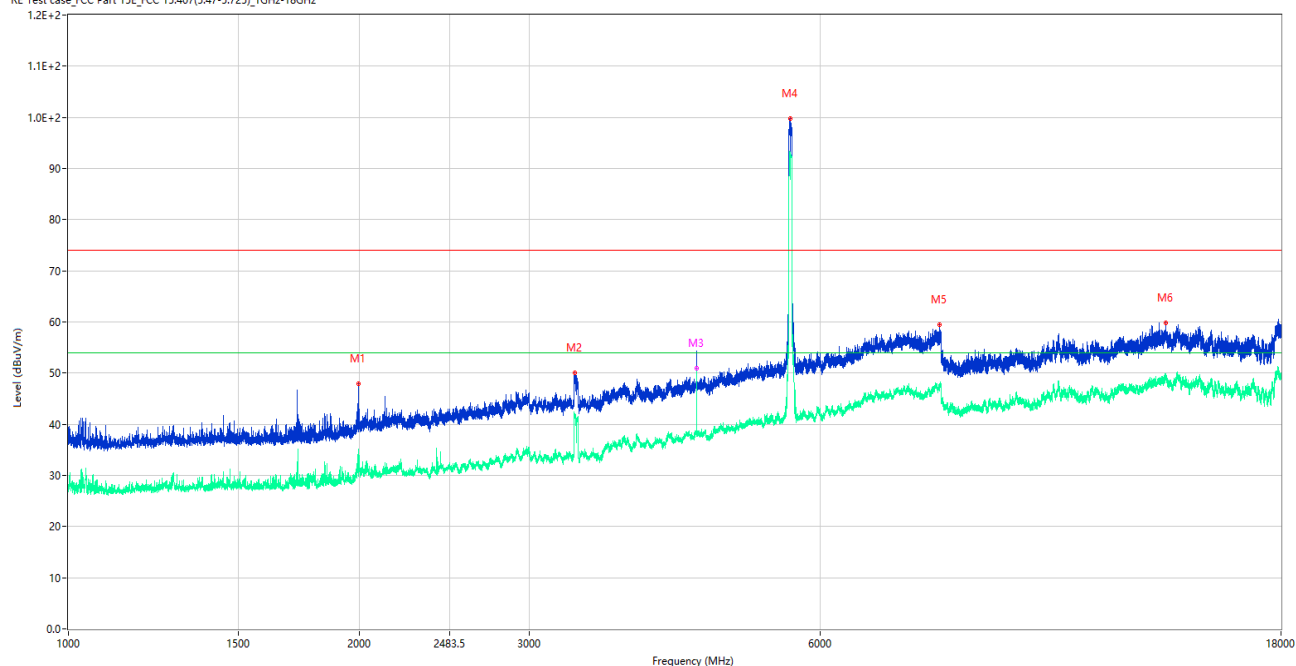
RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1166.000	43.69	-16.48	74.0	30.31	Peak	131.00	150	Vertical	Pass
1**	1166.000	29.79	-16.48	54.0	24.21	AV	131.00	150	Vertical	Pass
2	2196.750	51.54	-12.61	74.0	22.46	Peak	66.00	150	Vertical	Pass
2**	2196.750	40.18	-12.61	54.0	13.82	AV	66.00	150	Vertical	Pass
3	3877.000	48.76	-2.74	74.0	25.24	Peak	31.00	150	Vertical	Pass
3**	3877.000	37.66	-2.74	54.0	16.34	AV	31.00	150	Vertical	Pass
4	5573.000	97.48	-1.18	74.0	-23.48	Peak	147.00	150	Vertical	N/A
4**	5573.000	91.02	-1.18	54.0	-37.02	AV	147.00	150	Vertical	N/A
5	7905.500	58.96	6.84	74.0	15.04	Peak	75.00	150	Vertical	Pass
5**	7905.500	47.45	6.84	54.0	6.55	AV	75.00	150	Vertical	Pass
6	14087.000	59.63	9.08	74.0	14.37	Peak	47.00	150	Vertical	Pass
6**	14087.000	48.95	9.08	54.0	5.05	AV	47.00	150	Vertical	Pass

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

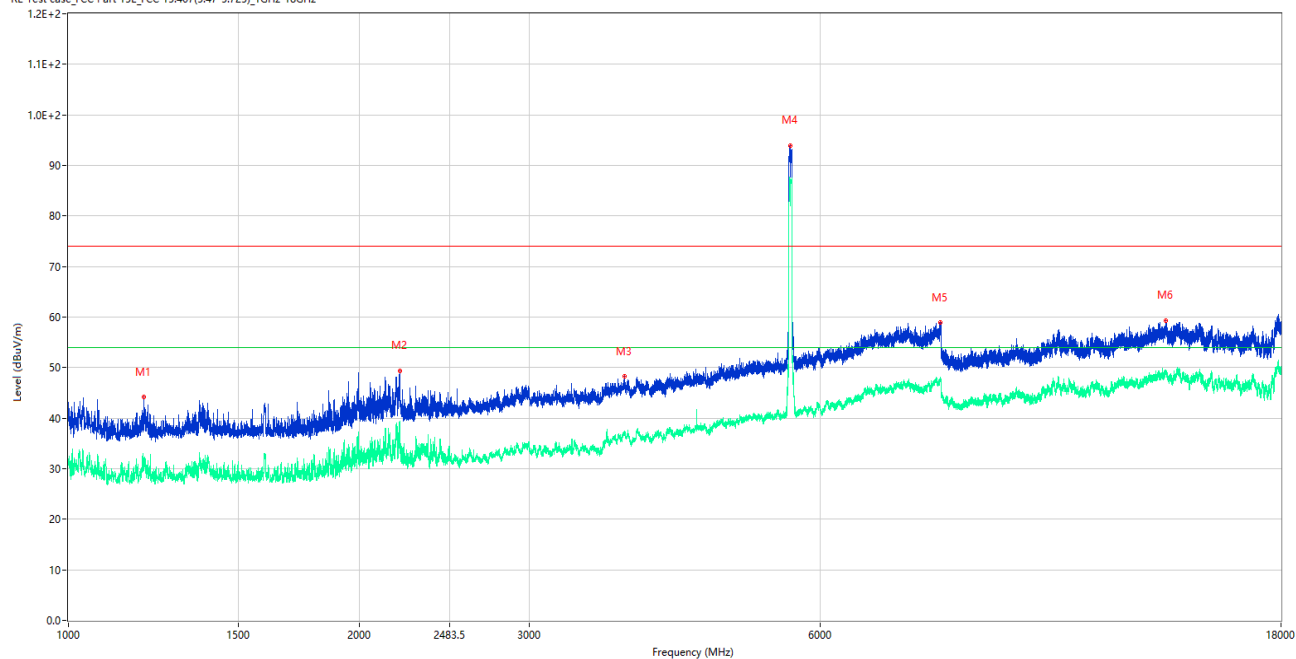
RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1998.000	47.86	-14.31	74.0	26.14	Peak	115.00	150	Horizontal	Pass
1**	1998.000	31.05	-14.31	54.0	22.95	AV	115.00	150	Horizontal	Pass
2	3345.000	50.07	-6.29	74.0	23.93	Peak	200.00	150	Horizontal	Pass
2**	3345.000	41.46	-6.29	54.0	12.54	AV	200.00	150	Horizontal	Pass
3	4472.500	54.12	-2.28	74.0	19.88	Peak	215.00	150	Horizontal	Pass
3**	4472.500	50.97	-2.28	54.0	3.03	AV	215.00	150	Horizontal	Pass
4	5588.000	99.80	-1.21	74.0	-25.80	Peak	146.00	150	Horizontal	N/A
4**	5588.000	93.04	-1.21	54.0	-39.04	AV	146.00	150	Horizontal	N/A
5	7982.000	59.44	7.19	74.0	14.56	Peak	124.00	150	Horizontal	Pass
5**	7982.000	46.86	7.19	54.0	7.14	AV	124.00	150	Horizontal	Pass
6	13675.000	59.78	9.20	74.0	14.22	Peak	163.00	150	Horizontal	Pass
6**	13675.000	48.71	9.20	54.0	5.29	AV	163.00	150	Horizontal	Pass

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

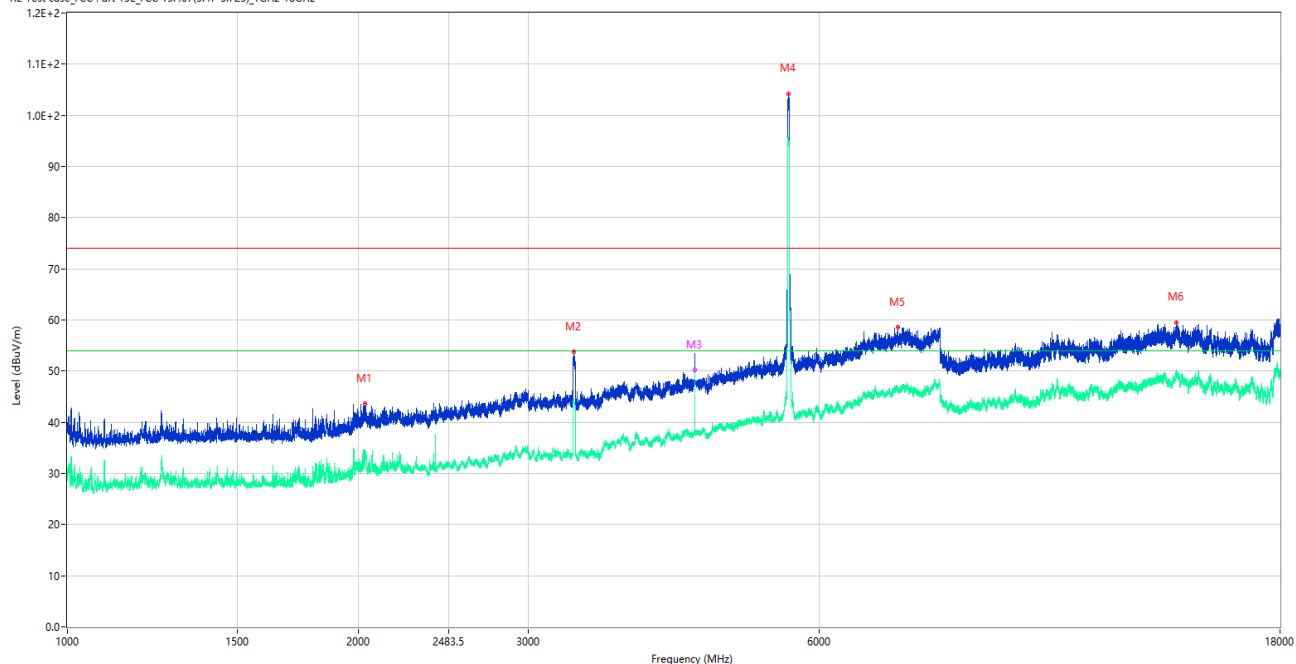
RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1196.500	44.20	-16.57	74.0	29.80	Peak	158.00	150	Vertical	Pass
1**	1196.500	30.96	-16.57	54.0	23.04	AV	158.00	150	Vertical	Pass
2	2202.250	49.38	-12.41	74.0	24.62	Peak	85.00	150	Vertical	Pass
2**	2202.250	38.02	-12.41	54.0	15.98	AV	85.00	150	Vertical	Pass
3	3765.000	48.32	-3.17	74.0	25.68	Peak	222.00	150	Vertical	Pass
3**	3765.000	37.37	-3.17	54.0	16.63	AV	222.00	150	Vertical	Pass
4	5588.000	93.98	-1.21	74.0	-19.98	Peak	151.00	150	Vertical	N/A
4**	5588.000	87.32	-1.21	54.0	-33.32	AV	151.00	150	Vertical	N/A
5	7994.500	58.85	7.26	74.0	15.15	Peak	81.00	150	Vertical	Pass
5**	7994.500	47.64	7.26	54.0	6.36	AV	81.00	150	Vertical	Pass
6	13675.000	59.37	9.20	74.0	14.63	Peak	33.00	150	Vertical	Pass
6**	13675.000	49.19	9.20	54.0	4.81	AV	33.00	150	Vertical	Pass

11ax20 (SU), U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT H

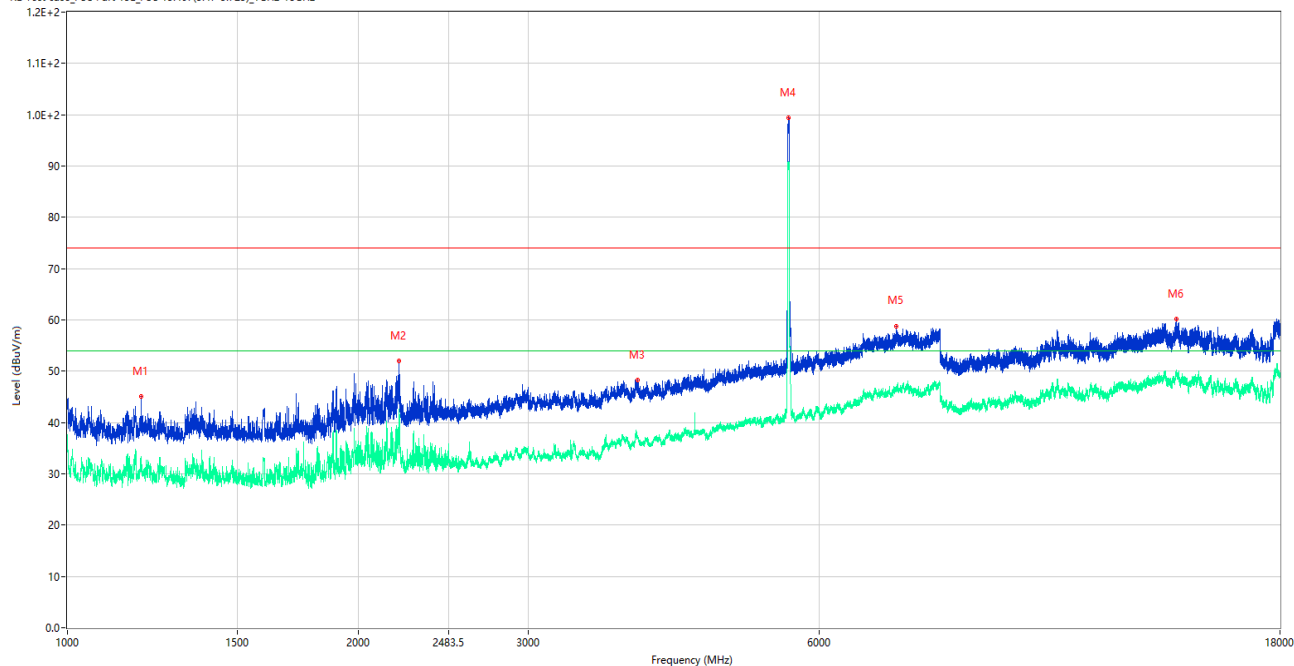
RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2033.000	43.68	-13.26	74.0	30.32	Peak	145.00	150	Horizontal	Pass
1**	2033.000	32.76	-13.26	54.0	21.24	AV	145.00	150	Horizontal	Pass
2	3342.000	53.70	-6.25	74.0	20.30	Peak	205.00	150	Horizontal	Pass
2**	3342.000	44.04	-6.25	54.0	9.96	AV	205.00	150	Horizontal	Pass
3	4464.500	54.55	-2.28	74.0	19.45	Peak	259.00	150	Horizontal	Pass
3**	4464.500	50.93	-2.28	54.0	3.07	AV	259.00	150	Horizontal	Pass
4	5576.500	104.26	-1.19	74.0	-30.26	Peak	223.00	150	Horizontal	N/A
4**	5576.500	95.43	-1.19	54.0	-41.43	AV	223.00	150	Horizontal	N/A
5	7242.000	58.59	5.47	74.0	15.41	Peak	102.00	150	Horizontal	Pass
5**	7242.000	46.50	5.47	54.0	7.50	AV	102.00	150	Horizontal	Pass
6	14051.500	59.54	9.54	74.0	14.46	Peak	313.00	150	Horizontal	Pass
6**	14051.500	49.98	9.54	54.0	4.02	AV	313.00	150	Horizontal	Pass

11ax20 (SU), U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT V

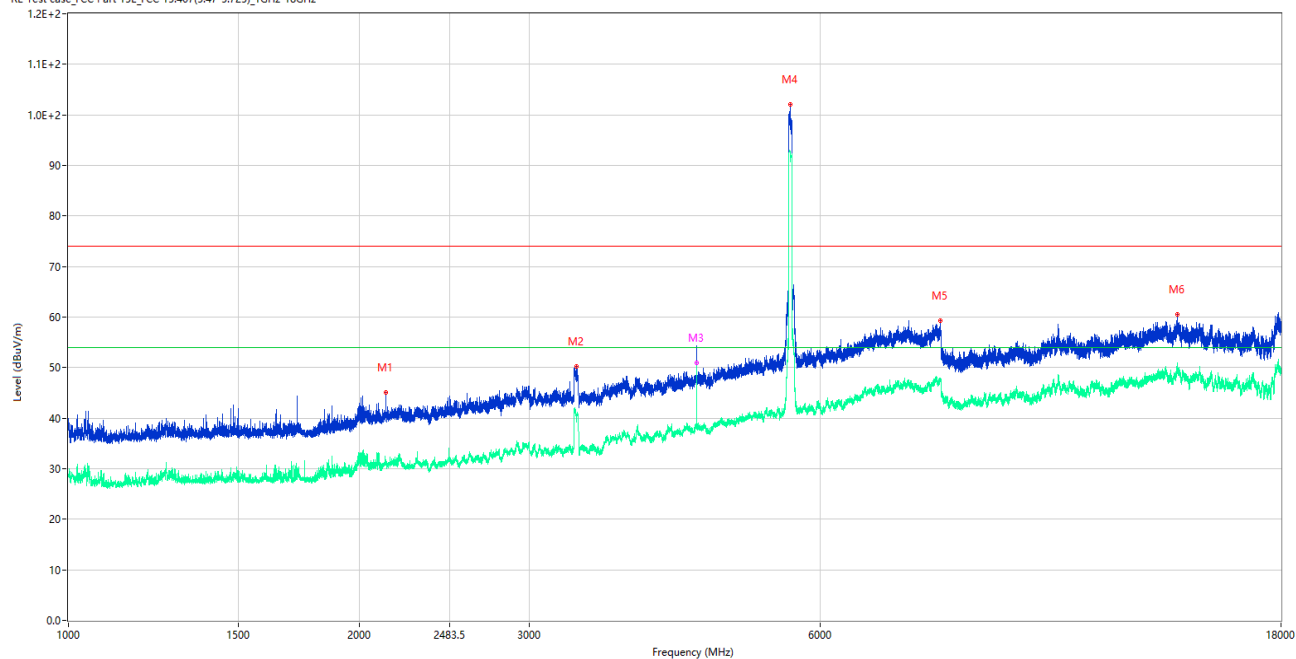
RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1192.000	45.02	-16.58	74.0	28.98	Peak	102.00	150	Vertical	Pass
1**	1192.000	30.59	-16.58	54.0	23.41	AV	102.00	150	Vertical	Pass
2	2205.500	51.99	-12.24	74.0	22.01	Peak	75.00	150	Vertical	Pass
2**	2205.500	42.55	-12.24	54.0	11.45	AV	75.00	150	Vertical	Pass
3	3889.500	48.29	-3.08	74.0	25.71	Peak	52.00	150	Vertical	Pass
3**	3889.500	36.95	-3.08	54.0	17.05	AV	52.00	150	Vertical	Pass
4	5576.500	99.43	-1.19	74.0	-25.43	Peak	142.00	150	Vertical	N/A
4**	5576.500	90.69	-1.19	54.0	-36.69	AV	142.00	150	Vertical	N/A
5	7215.500	58.84	6.11	74.0	15.16	Peak	20.00	150	Vertical	Pass
5**	7215.500	46.67	6.11	54.0	7.33	AV	20.00	150	Vertical	Pass
6	14058.500	60.10	9.44	74.0	13.90	Peak	44.00	150	Vertical	Pass
6**	14058.500	49.44	9.44	54.0	4.56	AV	44.00	150	Vertical	Pass

11ax40 (SU), U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT H

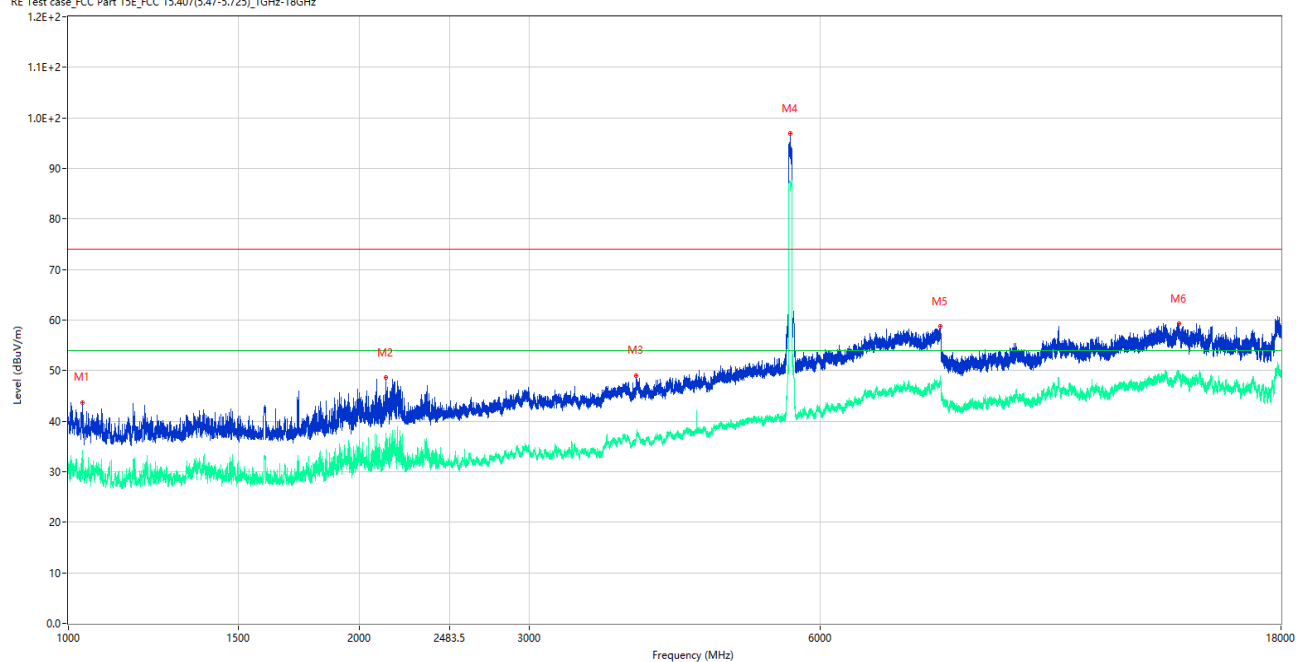
RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2129.500	45.04	-12.86	74.0	28.96	Peak	203.00	150	Horizontal	Pass
1**	2129.500	31.18	-12.86	54.0	22.82	AV	203.00	150	Horizontal	Pass
2	3356.000	50.22	-6.49	74.0	23.78	Peak	229.00	150	Horizontal	Pass
2**	3356.000	40.76	-6.49	54.0	13.24	AV	229.00	150	Horizontal	Pass
3	4472.500	54.84	-2.28	74.0	19.16	Peak	287.00	150	Horizontal	Pass
3**	4472.500	50.89	-2.28	54.0	3.11	AV	287.00	150	Horizontal	Pass
4	5586.000	102.12	-1.21	74.0	-28.12	Peak	148.00	150	Horizontal	N/A
4**	5586.000	92.62	-1.21	54.0	-38.62	AV	148.00	150	Horizontal	N/A
5	7988.500	59.24	7.25	74.0	14.76	Peak	150.00	150	Horizontal	Pass
5**	7988.500	47.44	7.25	54.0	6.56	AV	150.00	150	Horizontal	Pass
6	14051.500	60.53	9.54	74.0	13.47	Peak	360.00	150	Horizontal	Pass
6**	14051.500	48.85	9.54	54.0	5.15	AV	360.00	150	Horizontal	Pass

11ax40 (SU), U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT V

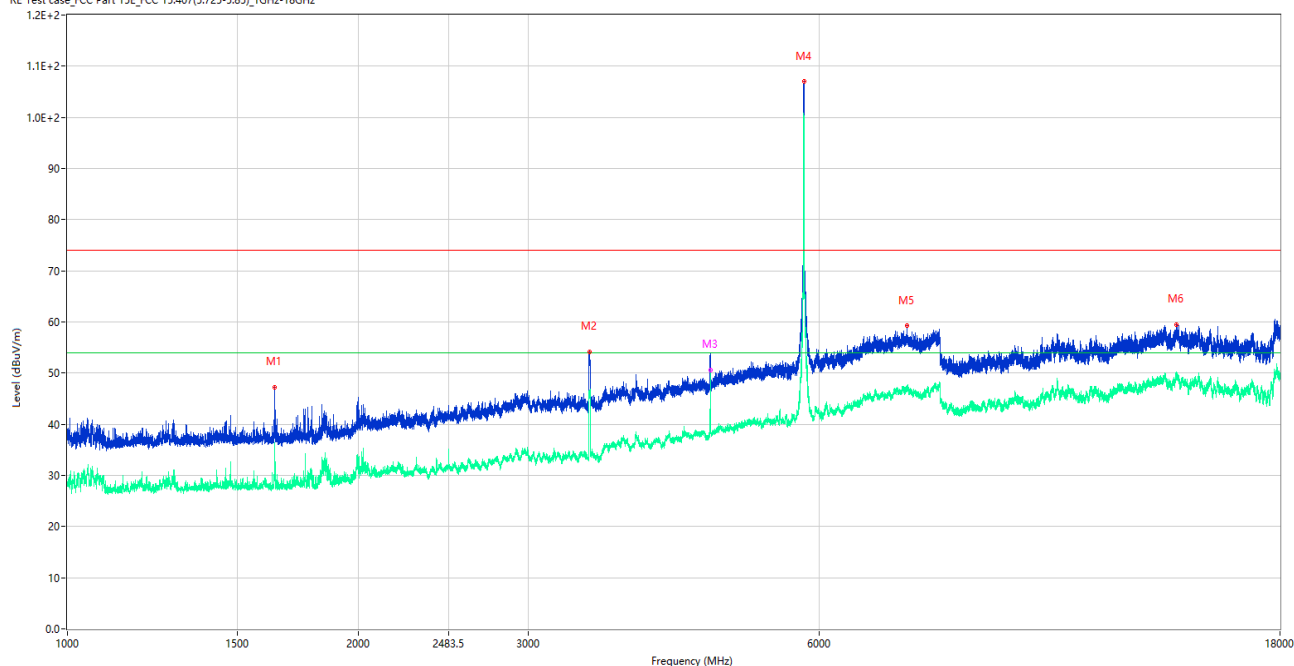
RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1034.250	43.74	-16.81	74.0	30.26	Peak	62.00	150	Vertical	Pass
1**	1034.250	30.22	-16.81	54.0	23.78	AV	62.00	150	Vertical	Pass
2	2130.750	48.59	-12.84	74.0	25.41	Peak	64.00	150	Vertical	Pass
2**	2130.750	33.04	-12.84	54.0	20.96	AV	64.00	150	Vertical	Pass
3	3871.000	49.08	-3.08	74.0	24.92	Peak	293.00	150	Vertical	Pass
3**	3871.000	36.96	-3.08	54.0	17.04	AV	293.00	150	Vertical	Pass
4	5586.000	96.90	-1.21	74.0	-22.90	Peak	150.00	150	Vertical	N/A
4**	5586.000	87.30	-1.21	54.0	-33.30	AV	150.00	150	Vertical	N/A
5	7991.000	58.76	7.26	74.0	15.24	Peak	280.00	150	Vertical	Pass
5**	7991.000	48.05	7.26	54.0	5.95	AV	280.00	150	Vertical	Pass
6	14130.000	59.32	9.22	74.0	14.68	Peak	293.00	150	Vertical	Pass
6**	14130.000	49.70	9.22	54.0	4.30	AV	293.00	150	Vertical	Pass

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

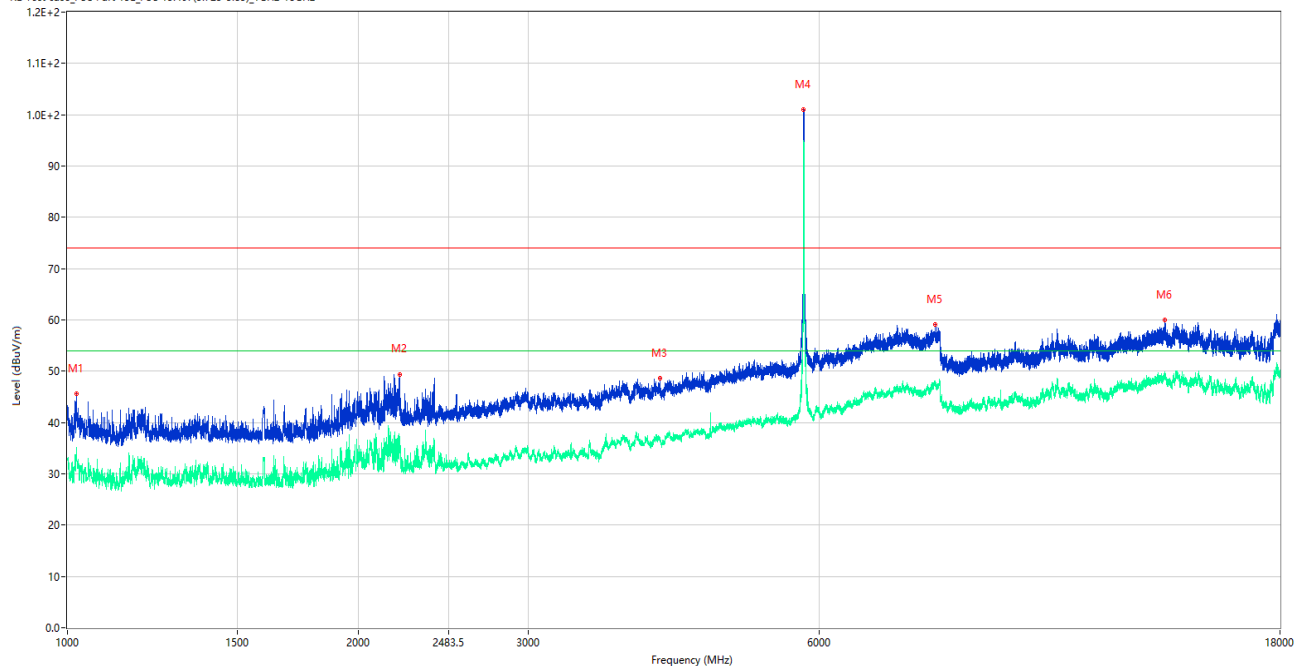
RE Test case_FCC Part 15E_FCC 15.407(5.725-5.85)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1639.750	47.26	-16.41	74.0	26.74	Peak	226.00	150	Horizontal	Pass
1**	1639.750	31.01	-16.41	54.0	22.99	AV	226.00	150	Horizontal	Pass
2	3472.500	54.22	-6.40	74.0	19.78	Peak	267.00	150	Horizontal	Pass
2**	3472.500	46.36	-6.40	54.0	7.64	AV	267.00	150	Horizontal	Pass
3	4628.500	54.79	-2.45	74.0	19.21	Peak	269.00	150	Horizontal	Pass
3**	4628.500	50.54	-2.45	54.0	3.46	AV	269.00	150	Horizontal	Pass
4	5790.500	106.95	0.88	74.0	-32.95	Peak	145.00	150	Horizontal	N/A
4**	5790.500	100.26	0.88	54.0	-46.26	AV	145.00	150	Horizontal	N/A
5	7404.500	59.21	6.44	74.0	14.79	Peak	1.00	150	Horizontal	Pass
5**	7404.500	46.80	6.44	54.0	7.20	AV	1.00	150	Horizontal	Pass
6	14067.500	59.56	9.30	74.0	14.44	Peak	88.00	150	Horizontal	Pass
6**	14067.500	49.80	9.30	54.0	4.20	AV	88.00	150	Horizontal	Pass

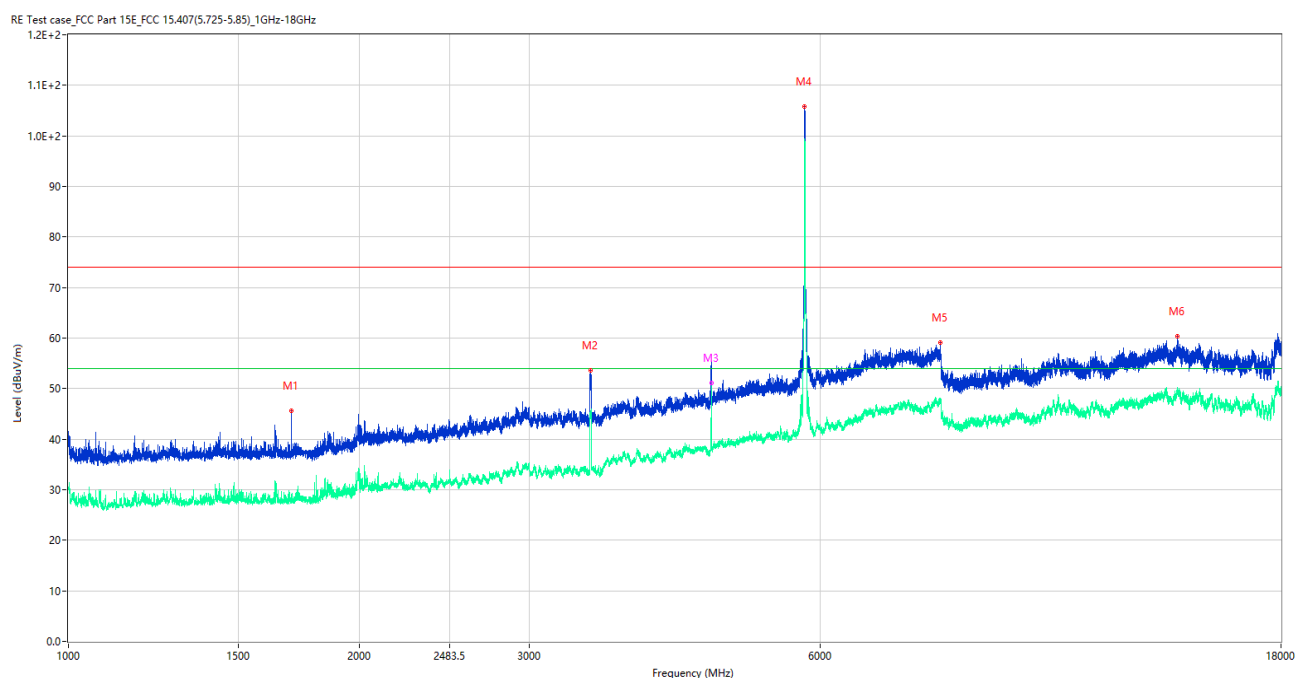
11a, U-NII-3, 1 GHz to 18 GHz, Middle Channel, ANT V

RE Test case_FCC Part 15E_FCC 15.407(5.725-5.85)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1022.250	45.57	-16.81	74.0	28.43	Peak	66.00	150	Vertical	Pass
1**	1022.250	33.53	-16.81	54.0	20.47	AV	66.00	150	Vertical	Pass
2	2208.500	49.44	-12.09	74.0	24.56	Peak	71.00	150	Vertical	Pass
2**	2208.500	35.59	-12.09	54.0	18.41	AV	71.00	150	Vertical	Pass
3	4105.500	48.68	-3.37	74.0	25.32	Peak	294.00	150	Vertical	Pass
3**	4105.500	36.92	-3.37	54.0	17.08	AV	294.00	150	Vertical	Pass
4	5782.500	101.02	1.14	74.0	-27.02	Peak	142.00	150	Vertical	N/A
4**	5782.500	94.87	1.14	54.0	-40.87	AV	142.00	150	Vertical	N/A
5	7918.500	59.16	6.88	74.0	14.84	Peak	340.00	150	Vertical	Pass
5**	7918.500	47.91	6.88	54.0	6.09	AV	340.00	150	Vertical	Pass
6	13673.500	60.03	9.18	74.0	13.97	Peak	261.00	150	Vertical	Pass
6**	13673.500	48.54	9.18	54.0	5.46	AV	261.00	150	Vertical	Pass

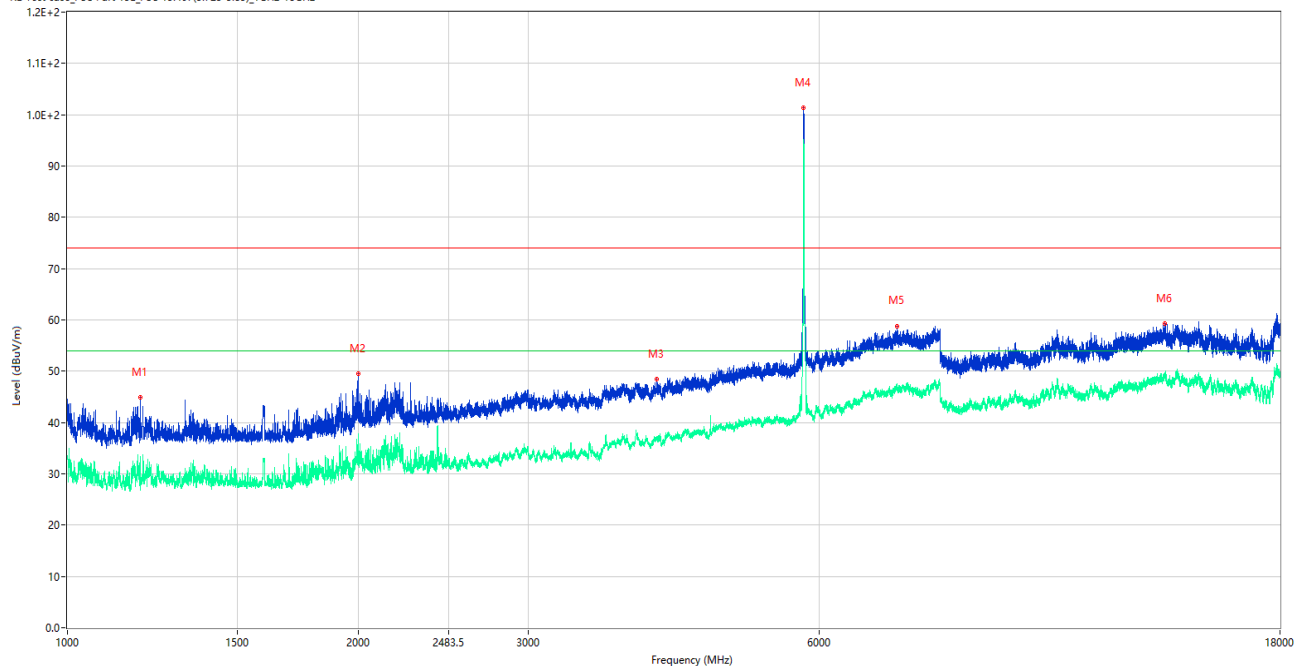
11n20, U-NII-3, 1 GHz to 18 GHz, Middle Channel, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1702.750	45.56	-16.43	74.0	28.44	Peak	278.00	150	Horizontal	Pass
1**	1702.750	27.52	-16.43	54.0	26.48	AV	278.00	150	Horizontal	Pass
2	3473.500	53.60	-6.38	74.0	20.40	Peak	278.00	150	Horizontal	Pass
2**	3473.500	45.45	-6.38	54.0	8.55	AV	278.00	150	Horizontal	Pass
3	4628.500	55.42	-2.45	74.0	18.58	Peak	257.00	150	Horizontal	Pass
3**	4628.500	50.76	-2.45	54.0	3.24	AV	257.00	150	Horizontal	Pass
4	5783.000	105.75	1.12	74.0	-31.75	Peak	144.00	150	Horizontal	N/A
4**	5783.000	99.05	1.12	54.0	-45.05	AV	144.00	150	Horizontal	N/A
5	7997.000	59.12	7.27	74.0	14.88	Peak	176.00	150	Horizontal	Pass
5**	7997.000	47.61	7.27	54.0	6.39	AV	176.00	150	Horizontal	Pass
6	14050.000	60.36	9.56	74.0	13.64	Peak	360.00	150	Horizontal	Pass
6**	14050.000	49.38	9.56	54.0	4.62	AV	360.00	150	Horizontal	Pass

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

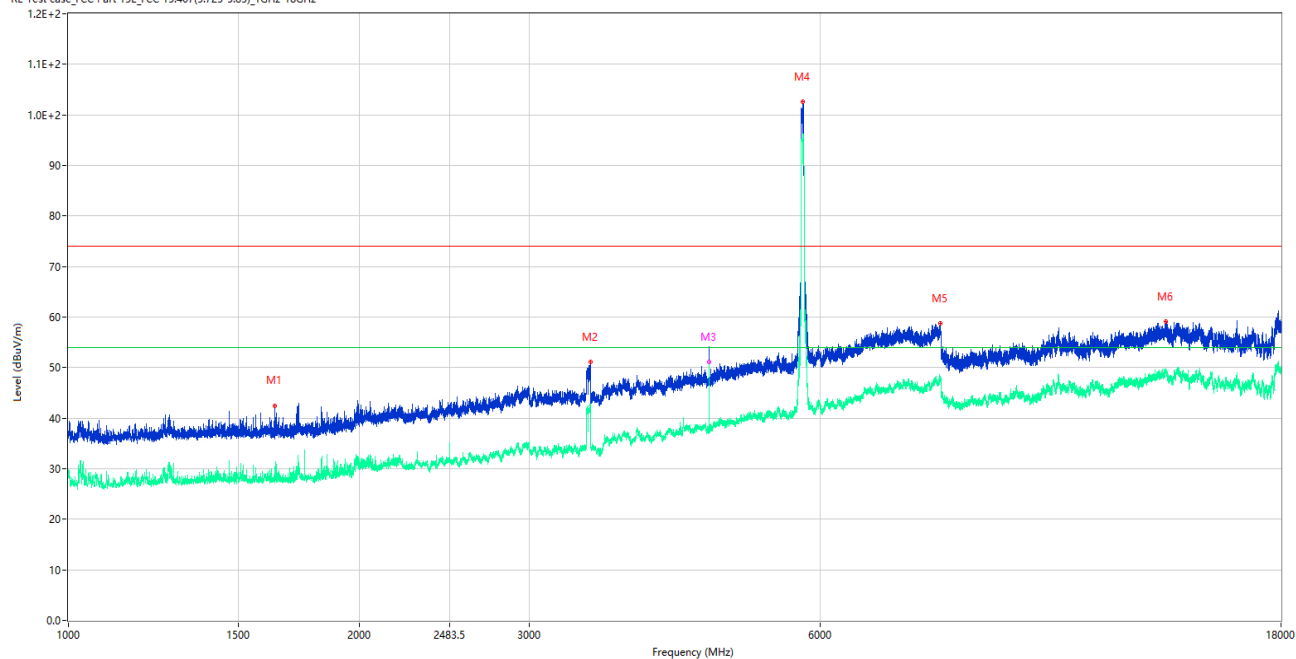
RE Test case_FCC Part 15E_FCC 15.407(5.725-5.85)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1190.500	44.83	-16.59	74.0	29.17	Peak	115.00	150	Vertical	Pass
1**	1190.500	33.26	-16.59	54.0	20.74	AV	115.00	150	Vertical	Pass
2	1998.750	49.45	-14.31	74.0	24.55	Peak	259.00	150	Vertical	Pass
2**	1998.750	34.17	-14.31	54.0	19.83	AV	259.00	150	Vertical	Pass
3	4075.000	48.52	-3.40	74.0	25.48	Peak	57.00	150	Vertical	Pass
3**	4075.000	36.65	-3.40	54.0	17.35	AV	57.00	150	Vertical	Pass
4	5783.000	101.38	1.12	74.0	-27.38	Peak	151.00	150	Vertical	N/A
4**	5783.000	94.83	1.12	54.0	-40.83	AV	151.00	150	Vertical	N/A
5	7229.500	58.84	6.03	74.0	15.16	Peak	340.00	150	Vertical	Pass
5**	7229.500	47.01	6.03	54.0	6.99	AV	340.00	150	Vertical	Pass
6	13684.500	59.29	9.24	74.0	14.71	Peak	118.00	150	Vertical	Pass
6**	13684.500	49.11	9.24	54.0	4.89	AV	118.00	150	Vertical	Pass

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

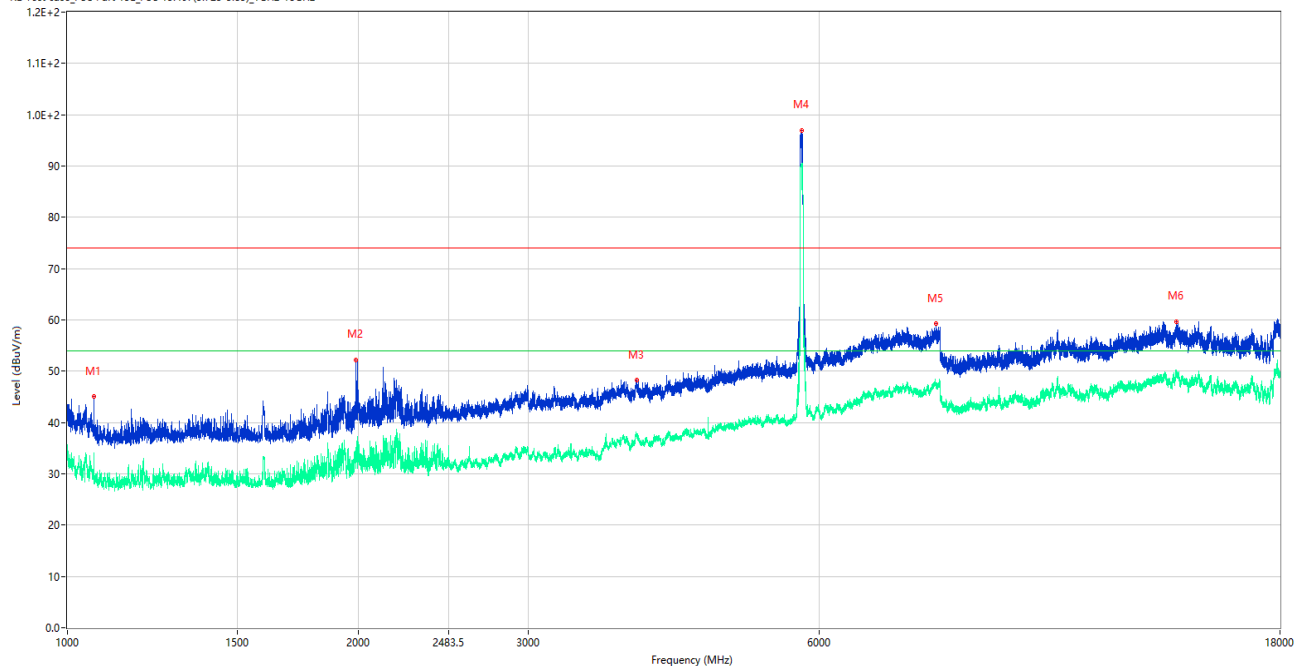
RE Test case_FCC Part 15E_FCC 15.407(5.725-5.85)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1636.500	42.51	-16.43	74.0	31.49	Peak	228.00	150	Horizontal	Pass
1**	1636.500	28.37	-16.43	54.0	25.63	AV	228.00	150	Horizontal	Pass
2	3469.500	51.21	-6.49	74.0	22.79	Peak	287.00	150	Horizontal	Pass
2**	3469.500	42.73	-6.49	54.0	11.27	AV	287.00	150	Horizontal	Pass
3	4604.500	54.20	-2.83	74.0	19.80	Peak	184.00	150	Horizontal	Pass
3**	4604.500	50.94	-2.83	54.0	3.06	AV	184.00	150	Horizontal	Pass
4	5761.500	102.60	1.27	74.0	-28.60	Peak	233.00	150	Horizontal	N/A
4**	5761.500	96.18	1.27	54.0	-42.18	AV	233.00	150	Horizontal	N/A
5	7984.000	58.75	7.21	74.0	15.25	Peak	284.00	150	Horizontal	Pass
5**	7984.000	47.37	7.21	54.0	6.63	AV	284.00	150	Horizontal	Pass
6	13667.500	59.08	9.09	74.0	14.92	Peak	55.00	150	Horizontal	Pass
6**	13667.500	49.31	9.09	54.0	4.69	AV	55.00	150	Horizontal	Pass

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

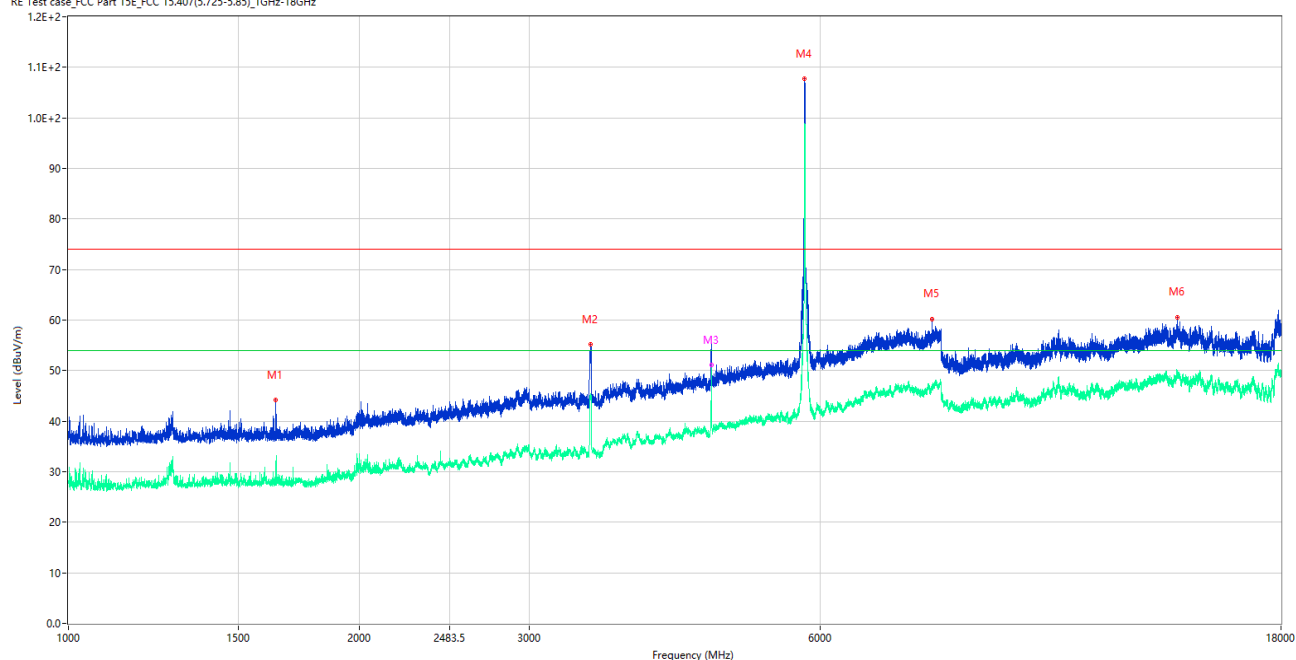
RE Test case FCC Part 15E_FCC 15.407(5.725-5.85)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1064.750	45.10	-16.94	74.0	28.90	Peak	61.00	150	Vertical	Pass
1**	1064.750	29.30	-16.94	54.0	24.70	AV	61.00	150	Vertical	Pass
2	1990.750	52.27	-14.31	74.0	21.73	Peak	72.00	150	Vertical	Pass
2**	1990.750	32.69	-14.31	54.0	21.31	AV	72.00	150	Vertical	Pass
3	3888.000	48.36	-3.00	74.0	25.64	Peak	272.00	150	Vertical	Pass
3**	3888.000	37.35	-3.00	54.0	16.65	AV	272.00	150	Vertical	Pass
4	5753.000	97.00	1.15	74.0	-23.00	Peak	149.00	150	Vertical	N/A
4**	5753.000	90.32	1.15	54.0	-36.32	AV	149.00	150	Vertical	N/A
5	7933.500	59.21	6.75	74.0	14.79	Peak	334.00	150	Vertical	Pass
5**	7933.500	46.71	6.75	54.0	7.29	AV	334.00	150	Vertical	Pass
6	14065.500	59.72	9.33	74.0	14.28	Peak	341.00	150	Vertical	Pass
6**	14065.500	48.88	9.33	54.0	5.12	AV	341.00	150	Vertical	Pass

11ax20 (SU), U-NII-3, 1 GHz to 18 GHz, Middle Channel, ANT H

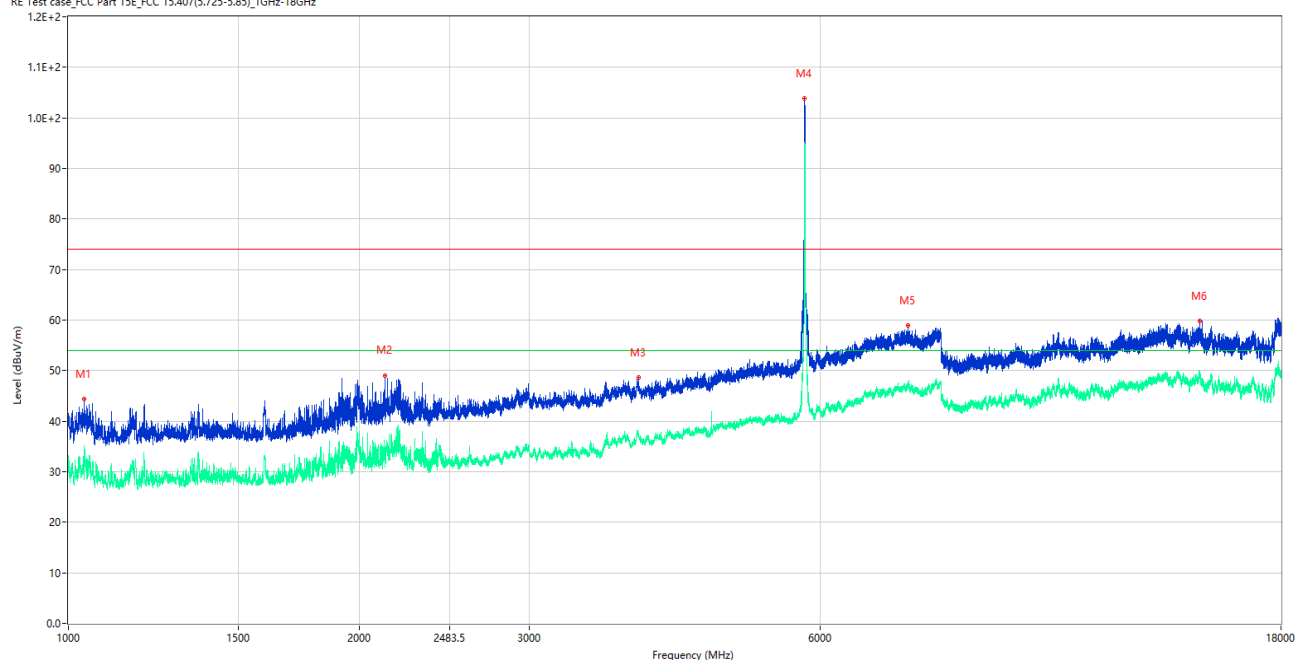
RE Test case_FCC Part 15E_FCC 15.407(5.725-5.85)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1640.250	44.26	-16.40	74.0	29.74	Peak	72.00	150	Horizontal	Pass
1**	1640.250	29.49	-16.40	54.0	24.51	AV	72.00	150	Horizontal	Pass
2	3475.000	55.21	-6.33	74.0	18.79	Peak	284.00	150	Horizontal	Pass
2**	3475.000	45.36	-6.33	54.0	8.64	AV	284.00	150	Horizontal	Pass
3	4628.500	54.96	-2.45	74.0	19.04	Peak	231.00	150	Horizontal	Pass
3**	4628.500	50.74	-2.45	54.0	3.26	AV	231.00	150	Horizontal	Pass
4	5781.500	107.67	1.17	74.0	-33.67	Peak	144.00	150	Horizontal	N/A
4**	5781.500	98.91	1.17	54.0	-44.91	AV	144.00	150	Horizontal	N/A
5	7839.000	60.24	6.13	74.0	13.76	Peak	121.00	150	Horizontal	Pass
5**	7839.000	47.11	6.13	54.0	6.89	AV	121.00	150	Horizontal	Pass
6	14048.500	60.60	9.55	74.0	13.40	Peak	308.00	150	Horizontal	Pass
6**	14048.500	49.35	9.55	54.0	4.65	AV	308.00	150	Horizontal	Pass

11ax20 (SU), U-NII-3, 1 GHz to 18 GHz, Middle Channel, ANT V

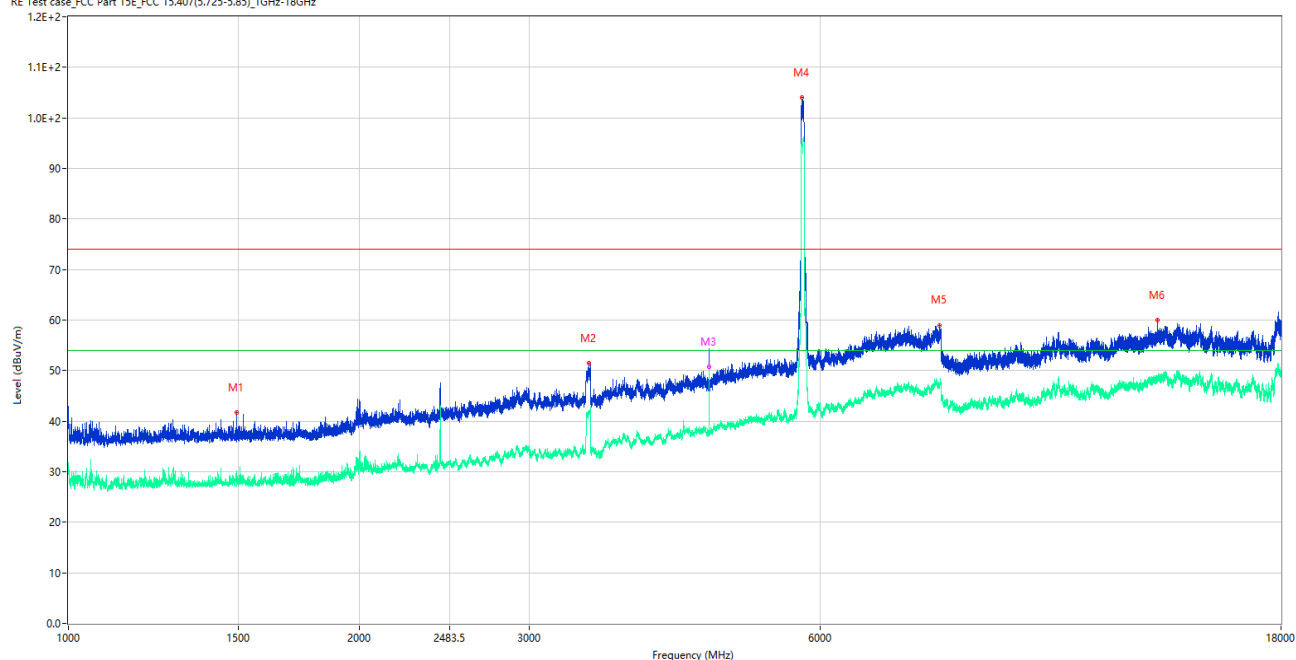
RE Test case_FCC Part 15E_FCC 15.407(5.725-5.85)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1039.250	44.38	-16.81	74.0	29.62	Peak	110.00	150	Vertical	Pass
1**	1039.250	34.04	-16.81	54.0	19.96	AV	110.00	150	Vertical	Pass
2	2128.750	49.08	-12.87	74.0	24.92	Peak	46.00	150	Vertical	Pass
2**	2128.750	31.72	-12.87	54.0	22.28	AV	46.00	150	Vertical	Pass
3	3890.500	48.65	-3.14	74.0	25.35	Peak	20.00	150	Vertical	Pass
3**	3890.500	37.11	-3.14	54.0	16.89	AV	20.00	150	Vertical	Pass
4	5781.500	103.88	1.17	74.0	-29.88	Peak	151.00	150	Vertical	N/A
4**	5781.500	95.08	1.17	54.0	-41.08	AV	151.00	150	Vertical	N/A
5	7394.500	58.88	6.16	74.0	15.12	Peak	158.00	150	Vertical	Pass
5**	7394.500	46.73	6.16	54.0	7.27	AV	158.00	150	Vertical	Pass
6	14817.500	59.87	9.55	74.0	14.13	Peak	335.00	150	Vertical	Pass
6**	14817.500	49.24	9.55	54.0	4.76	AV	335.00	150	Vertical	Pass

11ax40 (SU), U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT H

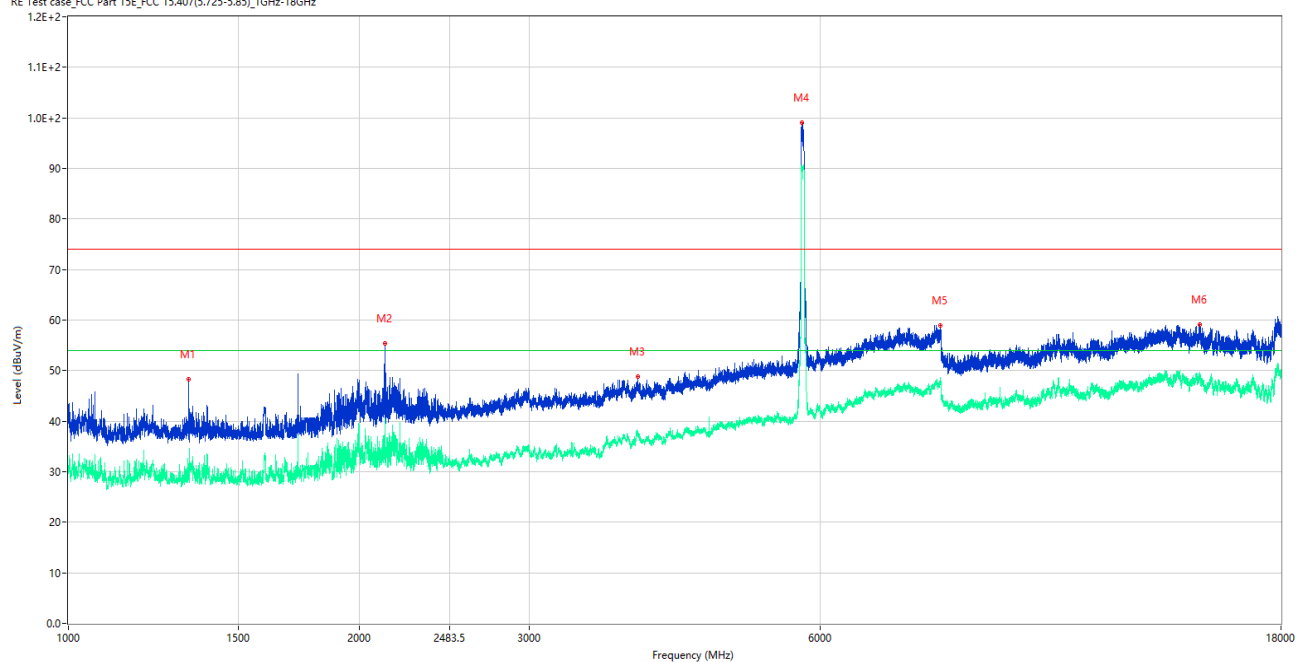
RE Test case_FCC Part 15E_FCC 15.407(5.725-5.85)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1492.500	41.66	-16.55	74.0	32.34	Peak	230.00	150	Horizontal	Pass
1**	1492.500	26.97	-16.55	54.0	27.03	AV	230.00	150	Horizontal	Pass
2	3457.000	51.48	-6.72	74.0	22.52	Peak	283.00	150	Horizontal	Pass
2**	3457.000	41.61	-6.72	54.0	12.39	AV	283.00	150	Horizontal	Pass
3	4604.500	53.33	-2.83	74.0	20.67	Peak	295.00	150	Horizontal	Pass
3**	4604.500	50.79	-2.83	54.0	3.21	AV	295.00	150	Horizontal	Pass
4	5751.000	104.04	1.12	74.0	-30.04	Peak	235.00	150	Horizontal	N/A
4**	5751.000	94.45	1.12	54.0	-40.45	AV	235.00	150	Horizontal	N/A
5	7981.500	59.01	7.19	74.0	14.99	Peak	359.00	150	Horizontal	Pass
5**	7981.500	47.66	7.19	54.0	6.34	AV	359.00	150	Horizontal	Pass
6	13412.500	59.98	8.73	74.0	14.02	Peak	309.00	150	Horizontal	Pass
6**	13412.500	47.90	8.73	54.0	6.10	AV	309.00	150	Horizontal	Pass

11ax40 (SU), U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT V

RE Test case_FCC Part 15E_FCC 15.407(5.725-5.85)_1GHz-18GHz

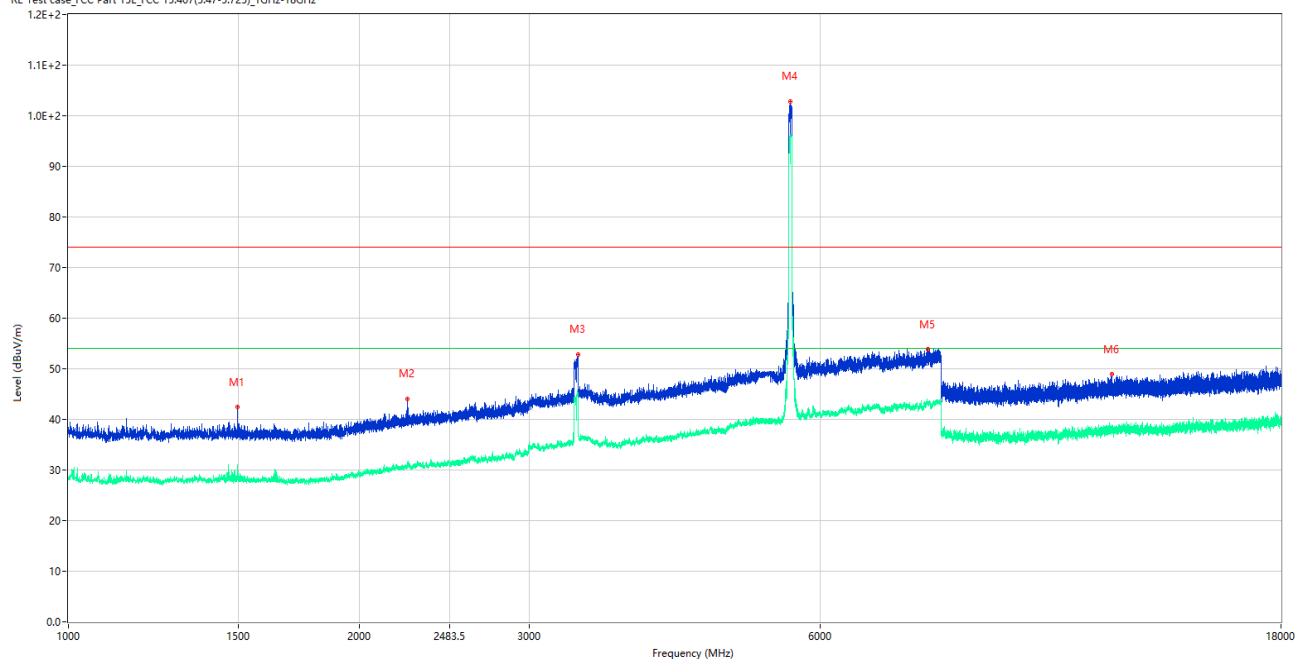


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.000	48.21	-16.31	74.0	25.79	Peak	179.00	150	Vertical	Pass
1**	1333.000	28.77	-16.31	54.0	25.23	AV	179.00	150	Vertical	Pass
2	2126.750	55.42	-12.90	74.0	18.58	Peak	65.00	150	Vertical	Pass
2**	2126.750	33.13	-12.90	54.0	20.87	AV	65.00	150	Vertical	Pass
3	3882.500	48.77	-2.71	74.0	25.23	Peak	307.00	150	Vertical	Pass
3**	3882.500	37.94	-2.71	54.0	16.06	AV	307.00	150	Vertical	Pass
4	5751.000	99.09	1.12	74.0	-25.09	Peak	151.00	150	Vertical	N/A
4**	5751.000	89.52	1.12	54.0	-35.52	AV	151.00	150	Vertical	N/A
5	7993.500	58.99	7.26	74.0	15.01	Peak	223.00	150	Vertical	Pass
5**	7993.500	47.51	7.26	54.0	6.49	AV	223.00	150	Vertical	Pass
6	14817.000	59.08	9.55	74.0	14.92	Peak	295.00	150	Vertical	Pass
6**	14817.000	49.18	9.55	54.0	4.82	AV	295.00	150	Vertical	Pass

Plan C

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

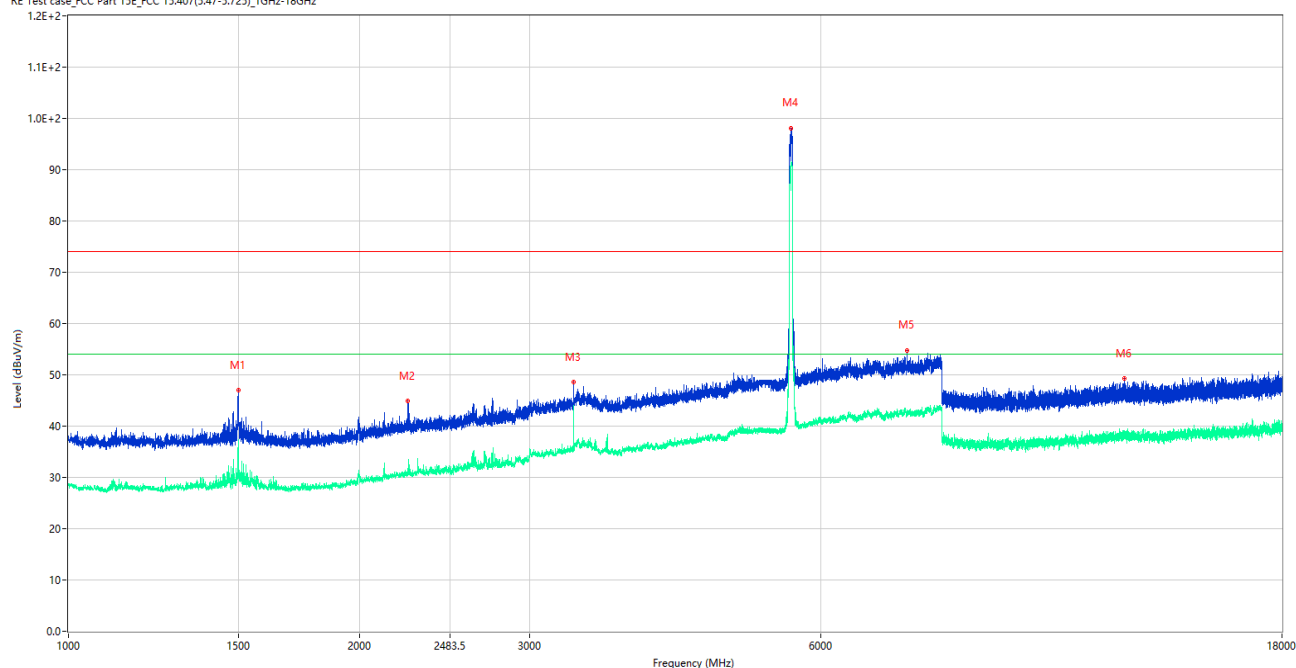
RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1495.250	42.45	-16.17	74.0	31.55	Peak	224.00	150	Horizontal	Pass
1**	1495.250	29.67	-16.17	54.0	24.33	AV	224.00	150	Horizontal	Pass
2	2244.250	44.06	-12.91	74.0	29.94	Peak	4.00	150	Horizontal	Pass
2**	2244.250	30.87	-12.91	54.0	23.13	AV	4.00	150	Horizontal	Pass
3	3370.000	52.89	-4.86	74.0	21.11	Peak	278.00	150	Horizontal	Pass
3**	3370.000	44.94	-4.86	54.0	9.06	AV	278.00	150	Horizontal	Pass
4	5588.000	102.82	-2.82	74.0	-28.82	Peak	278.00	150	Horizontal	N/A
4**	5588.000	96.00	-2.82	54.0	-42.00	AV	278.00	150	Horizontal	N/A
5	7757.500	53.88	1.43	74.0	20.12	Peak	108.00	150	Horizontal	Pass
5**	7757.500	42.90	1.43	54.0	11.10	AV	108.00	150	Horizontal	Pass
6	12025.388	48.90	-3.04	74.0	25.10	Peak	263.00	150	Horizontal	Pass
6**	12025.388	37.85	-3.04	54.0	16.15	AV	263.00	150	Horizontal	Pass

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

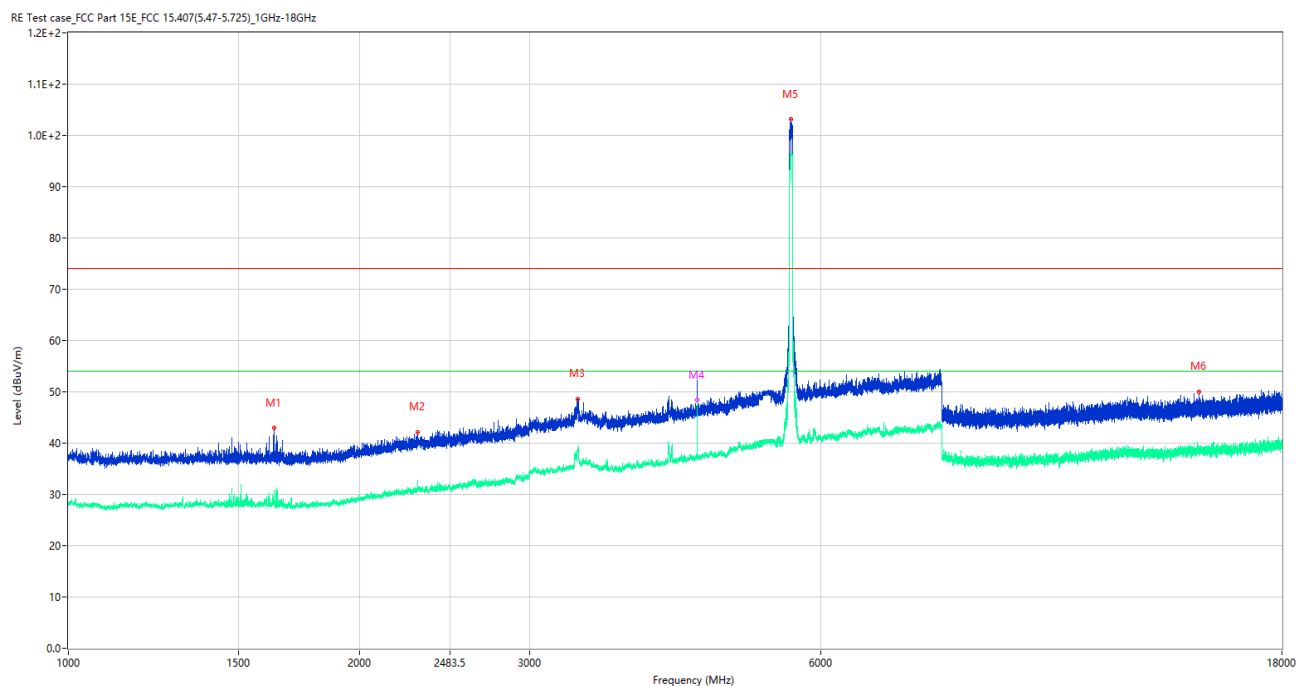
RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1498.250	46.97	-16.14	74.0	27.03	Peak	141.00	150	Vertical	Pass
1**	1498.250	34.12	-16.14	54.0	19.88	AV	141.00	150	Vertical	Pass
2	2242.750	44.92	-12.91	74.0	29.08	Peak	101.00	150	Vertical	Pass
2**	2242.750	30.75	-12.91	54.0	23.25	AV	101.00	150	Vertical	Pass
3	3330.000	48.54	-6.48	74.0	25.46	Peak	333.00	150	Vertical	Pass
3**	3330.000	41.60	-6.48	54.0	12.40	AV	333.00	150	Vertical	Pass
4	5587.500	98.15	-2.84	74.0	-24.15	Peak	40.00	150	Vertical	N/A
4**	5587.500	91.31	-2.84	54.0	-37.31	AV	40.00	150	Vertical	N/A
5	7367.500	54.75	0.84	74.0	19.25	Peak	107.00	150	Vertical	Pass
5**	7367.500	42.60	0.84	54.0	11.40	AV	107.00	150	Vertical	Pass
6	12354.800	49.30	-1.90	74.0	24.70	Peak	27.00	150	Vertical	Pass
6**	12354.800	38.54	-1.90	54.0	15.46	AV	27.00	150	Vertical	Pass

Plan D

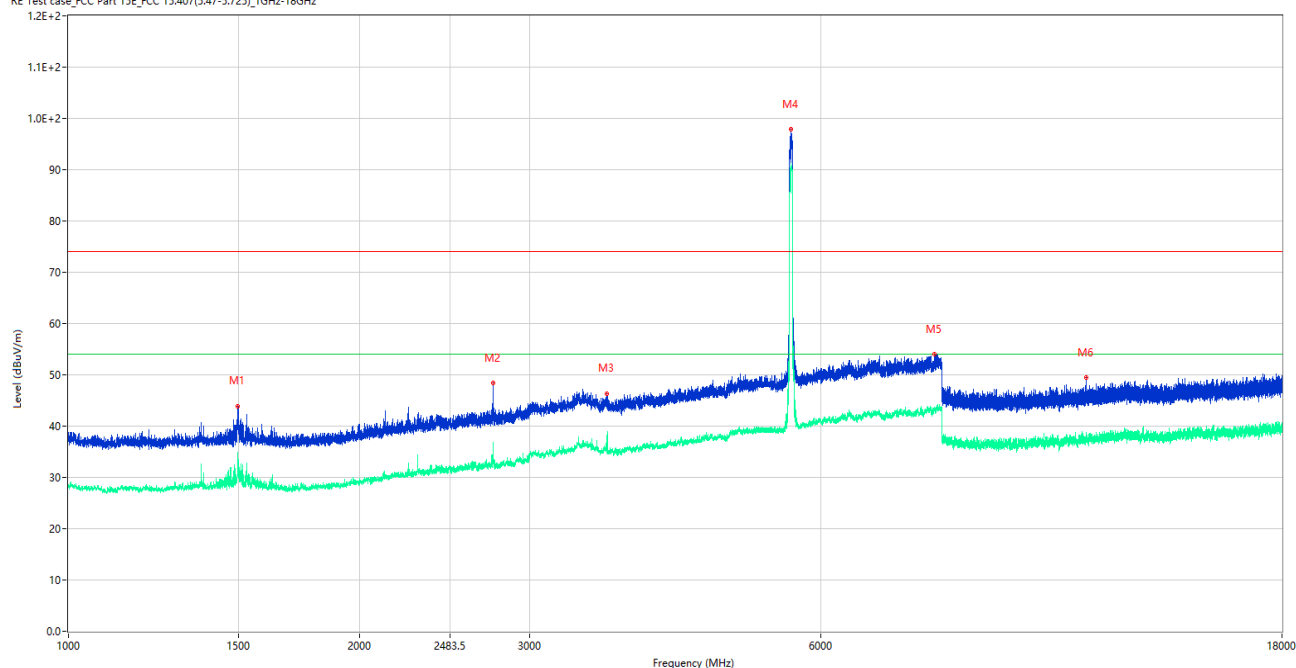
11n40, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1630.750	42.91	-16.06	74.0	31.09	Peak	271.00	150	Horizontal	Pass
1**	1630.750	29.63	-16.06	54.0	24.37	AV	271.00	150	Horizontal	Pass
2	2296.250	42.11	-13.20	74.0	31.89	Peak	87.00	150	Horizontal	Pass
2**	2296.250	32.88	-13.20	54.0	21.12	AV	87.00	150	Horizontal	Pass
3	3361.500	48.54	-5.65	74.0	25.46	Peak	321.00	150	Horizontal	Pass
3**	3361.500	38.69	-5.65	54.0	15.31	AV	321.00	150	Horizontal	Pass
4	4472.500	51.04	-3.80	74.0	22.96	Peak	252.00	150	Horizontal	Pass
4**	4472.500	48.35	-3.80	54.0	5.65	AV	252.00	150	Horizontal	Pass
5	5588.000	103.14	-2.82	74.0	-29.14	Peak	193.00	150	Horizontal	N/A
5**	5588.000	96.47	-2.82	54.0	-42.47	AV	193.00	150	Horizontal	N/A
6	14764.162	50.00	-1.49	74.0	24.00	Peak	107.00	150	Horizontal	Pass
6**	14764.162	38.48	-1.49	54.0	15.52	AV	107.00	150	Horizontal	Pass

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

RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1495.500	43.87	-16.17	74.0	30.13	Peak	88.00	150	Vertical	Pass
1**	1495.500	33.20	-16.17	54.0	20.80	AV	88.00	150	Vertical	Pass
2	2748.750	48.39	-10.53	74.0	25.61	Peak	135.00	150	Vertical	Pass
2**	2748.750	36.13	-10.53	54.0	17.87	AV	135.00	150	Vertical	Pass
3	3608.000	46.24	-5.05	74.0	27.76	Peak	331.00	150	Vertical	Pass
3**	3608.000	37.49	-5.05	54.0	16.51	AV	331.00	150	Vertical	Pass
4	5588.000	97.87	-2.82	74.0	-23.87	Peak	41.00	150	Vertical	N/A
4**	5588.000	91.19	-2.82	54.0	-37.19	AV	41.00	150	Vertical	N/A
5	7869.000	53.96	1.79	74.0	20.04	Peak	331.00	150	Vertical	Pass
5**	7869.000	43.30	1.79	54.0	10.70	AV	331.00	150	Vertical	Pass
6	11291.275	49.42	-4.11	74.0	24.58	Peak	359.00	150	Vertical	Pass
6**	11291.275	37.12	-4.11	54.0	16.88	AV	359.00	150	Vertical	Pass

A.6.2 Band Edge (Restricted-band)

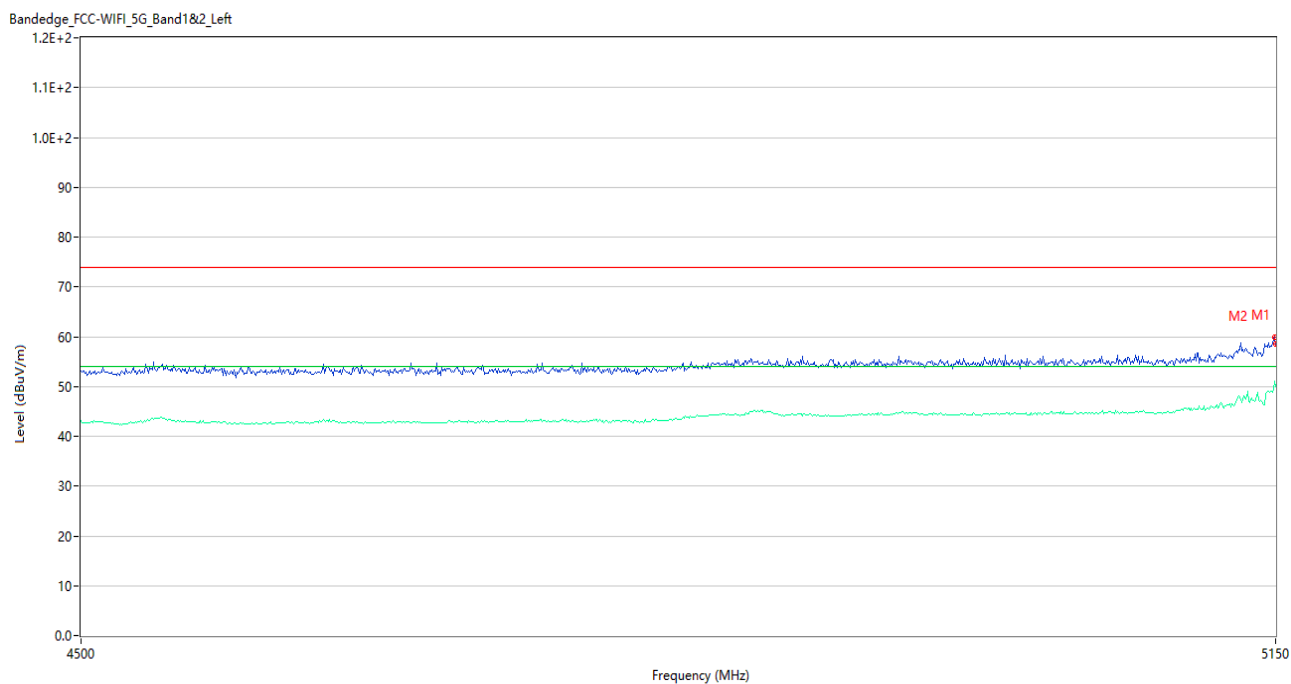
Test Band	Mode	Channel	Verdict
U-NII-1	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass
	802.11ax(HE20) (SU)	Low	Pass
		High	Pass
U-NII-2A	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass
	802.11ax(HE20) (SU)	Low	Pass
		High	Pass
U-NII-2C	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass
	802.11ax(HE20) (SU)	Low	Pass
		High	Pass

U-NII-3	802.11ax(HE40) (SU)	Low	Pass
		High	Pass
	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
	802.11ax(HE20) (SU)	Low	Pass
		High	Pass
	802.11ax(HE40) (SU)	Low	Pass
		High	Pass

Test Data and Plots

Plan A

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	58.47	3.82	74.0	15.53	Peak	188.00	150	Horizontal	Pass
1**	5150.000	49.96	3.82	54.0	4.04	AV	188.00	150	Horizontal	Pass
2	5149.350	59.96	3.84	74.0	14.04	Peak	190.00	150	Horizontal	Pass
2**	5149.350	50.97	3.84	54.0	3.03	AV	190.00	150	Horizontal	Pass

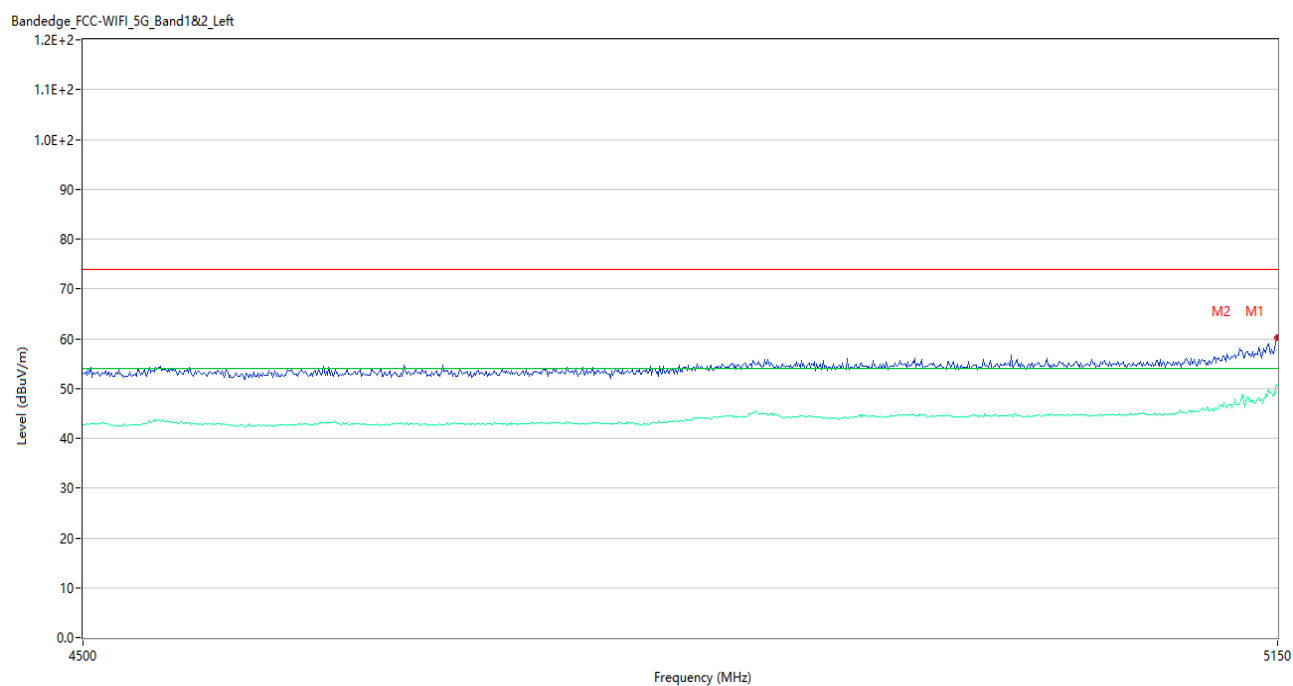
U-NII-1 11a CH48

Bandedge_FCC-WIFI_5G_Band1&2_Right



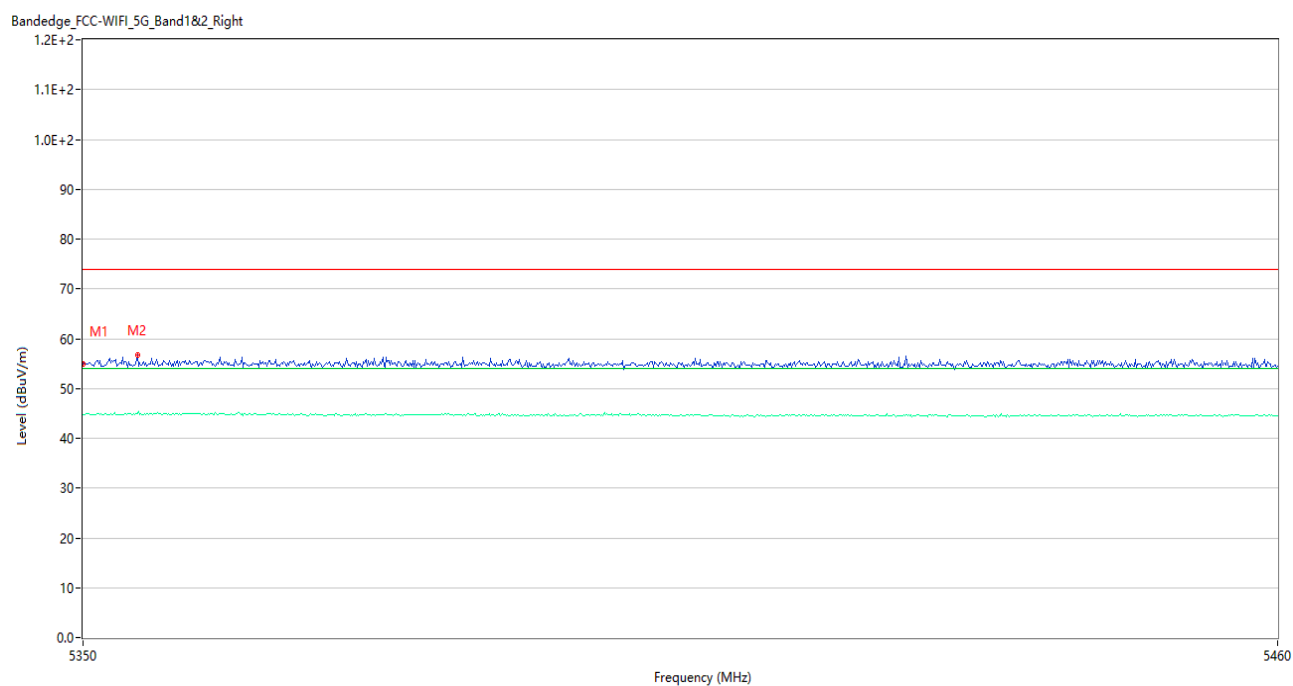
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	55.65	4.04	74.0	18.35	Peak	34.00	150	Horizontal	Pass
1**	5350.000	44.71	4.04	54.0	9.29	AV	34.00	150	Horizontal	Pass
2	5361.220	56.95	4.21	74.0	17.05	Peak	346.00	150	Horizontal	Pass
2**	5361.220	45.27	4.21	54.0	8.73	AV	346.00	150	Horizontal	Pass

U-NII-1 11n20 CH36



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	60.26	3.82	74.0	13.74	Peak	277.98	150	Horizontal	Pass
1**	5150.000	50.48	3.82	54.0	3.52	AV	277.98	150	Horizontal	Pass
2	5149.350	60.15	3.84	74.0	13.85	Peak	184.00	150	Horizontal	Pass
2**	5149.350	50.77	3.84	54.0	3.23	AV	184.00	150	Horizontal	Pass

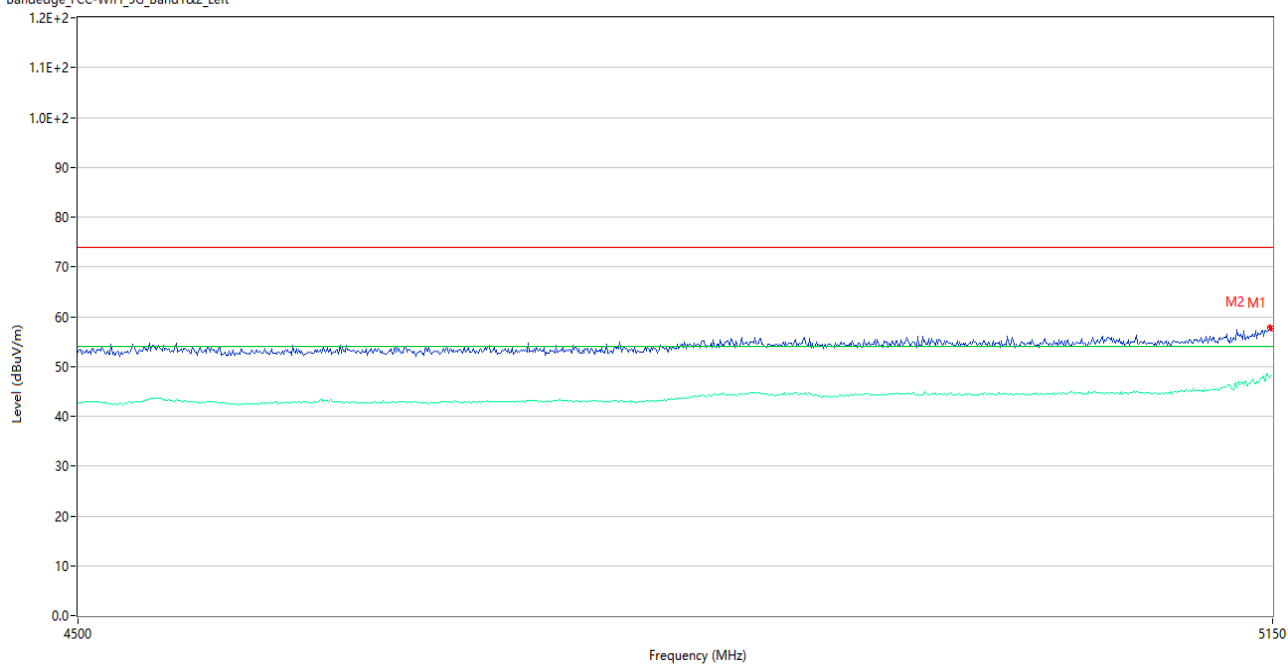
U-NII-1 11n20 CH48



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	54.93	4.04	74.0	19.07	Peak	360.00	150	Horizontal	Pass
1**	5350.000	44.78	4.04	54.0	9.22	AV	360.00	150	Horizontal	Pass
2	5354.950	56.61	4.14	74.0	17.39	Peak	237.00	150	Horizontal	Pass
2**	5354.950	44.97	4.14	54.0	9.03	AV	237.00	150	Horizontal	Pass

U-NII-1 11n40 CH38

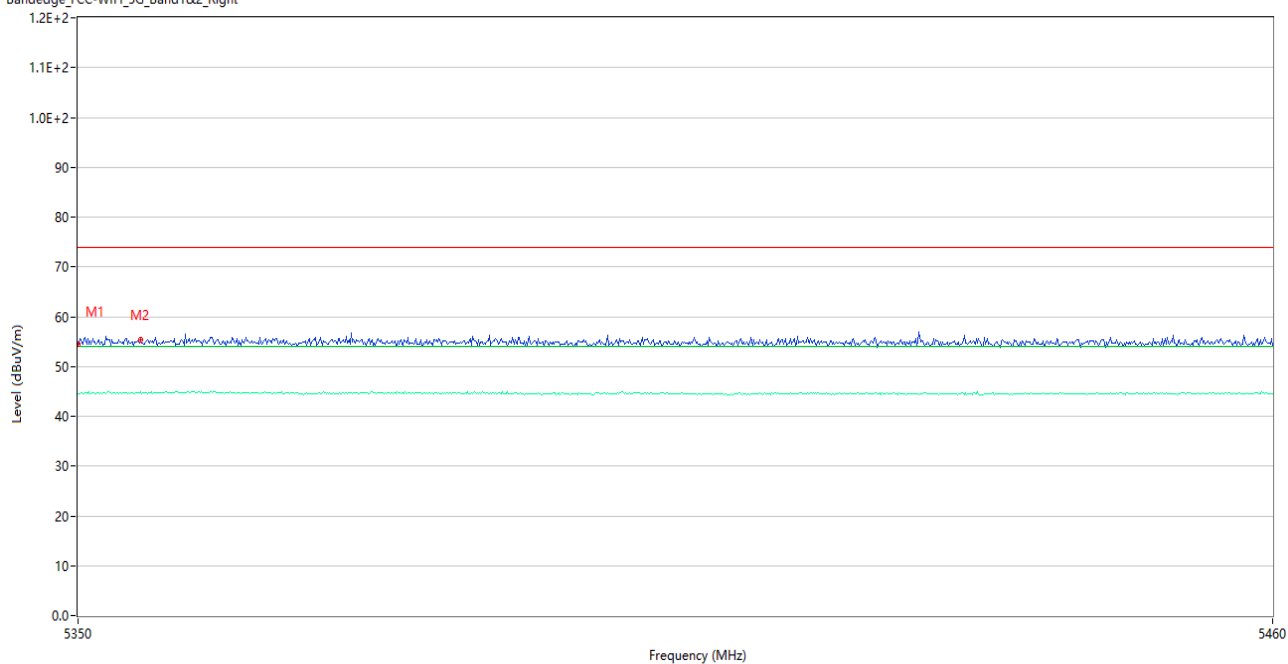
Bandedge_FCC-WIFI_5G_Band1&2_Left



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	57.80	3.82	74.0	16.20	Peak	15.05	150	Horizontal	Pass
1**	5150.000	48.94	3.82	54.0	5.06	AV	15.05	150	Horizontal	Pass
2	5148.050	57.87	3.87	74.0	16.13	Peak	178.00	150	Horizontal	Pass
2**	5148.050	47.74	3.87	54.0	6.26	AV	178.00	150	Horizontal	Pass

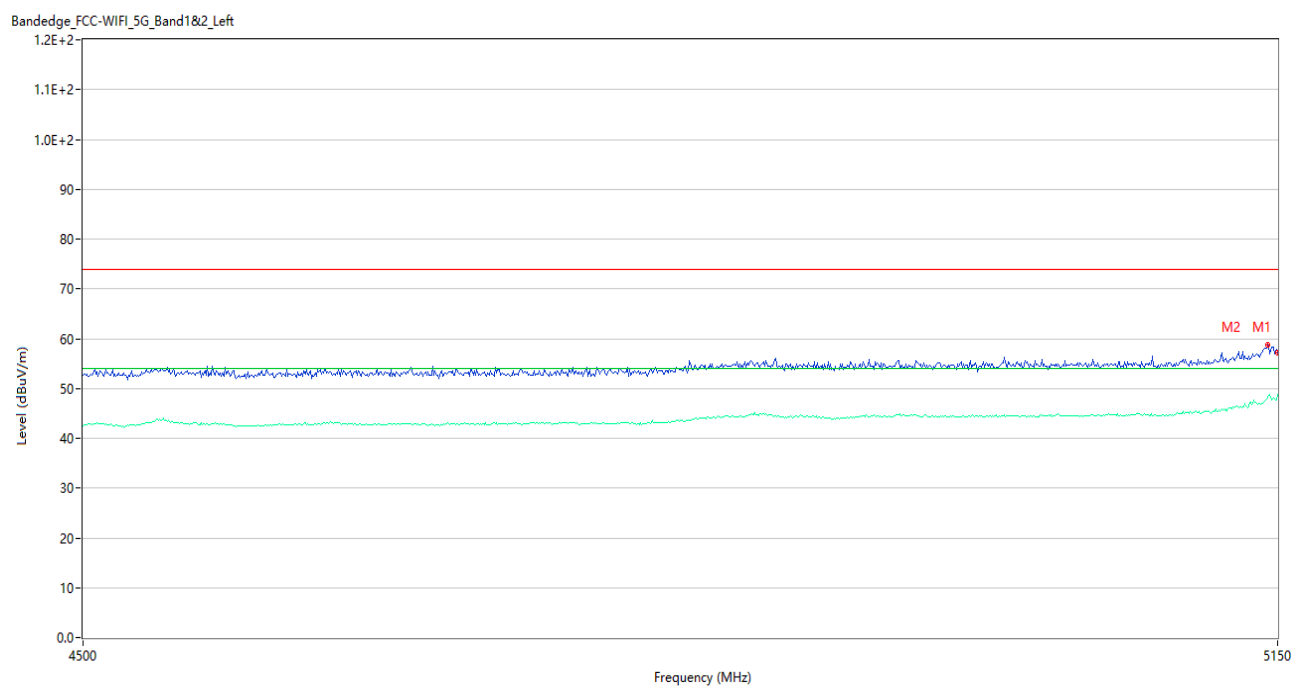
U-NII-1 11n40 CH46

Bandedge_FCC-WIFI_5G_Band1&2_Right



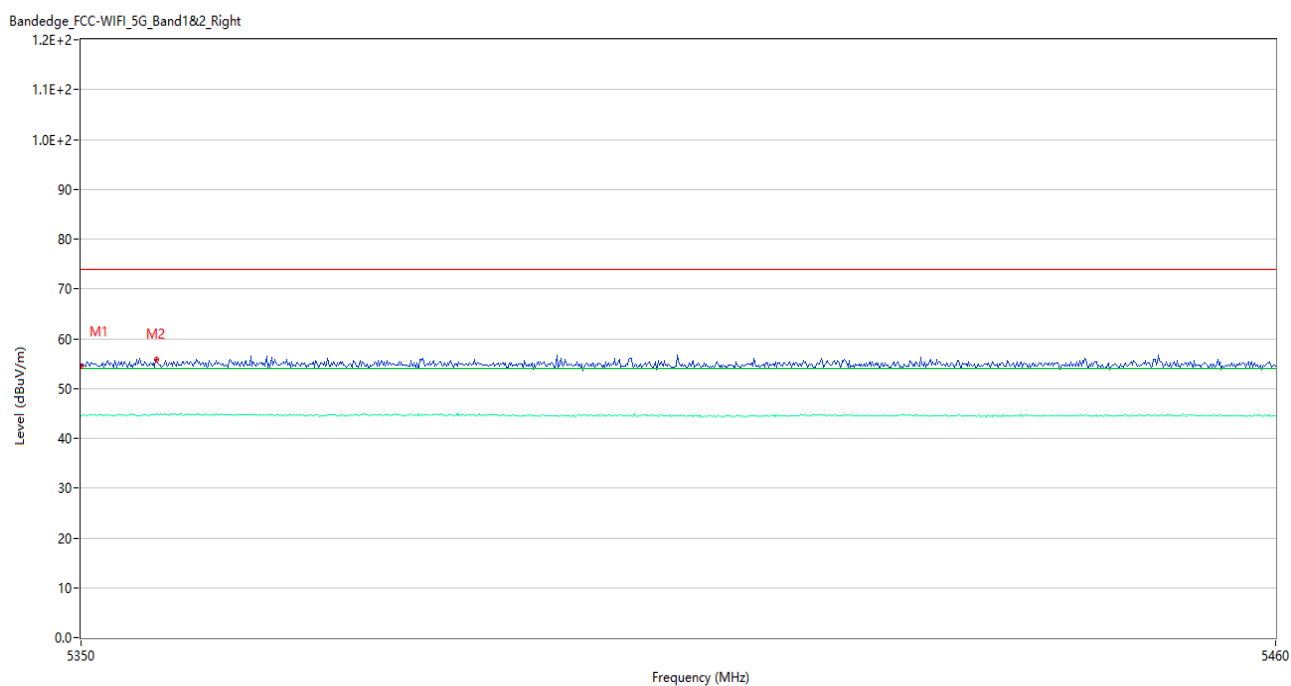
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	54.44	4.04	74.0	19.56	Peak	50.00	150	Vertical	Pass
1**	5350.000	44.59	4.04	54.0	9.41	AV	50.00	150	Vertical	Pass
2	5355.720	55.29	4.16	74.0	18.71	Peak	224.00	150	Vertical	Pass
2**	5355.720	44.92	4.16	54.0	9.08	AV	224.00	150	Vertical	Pass

U-NII-1 11ax20 (SU) CH36



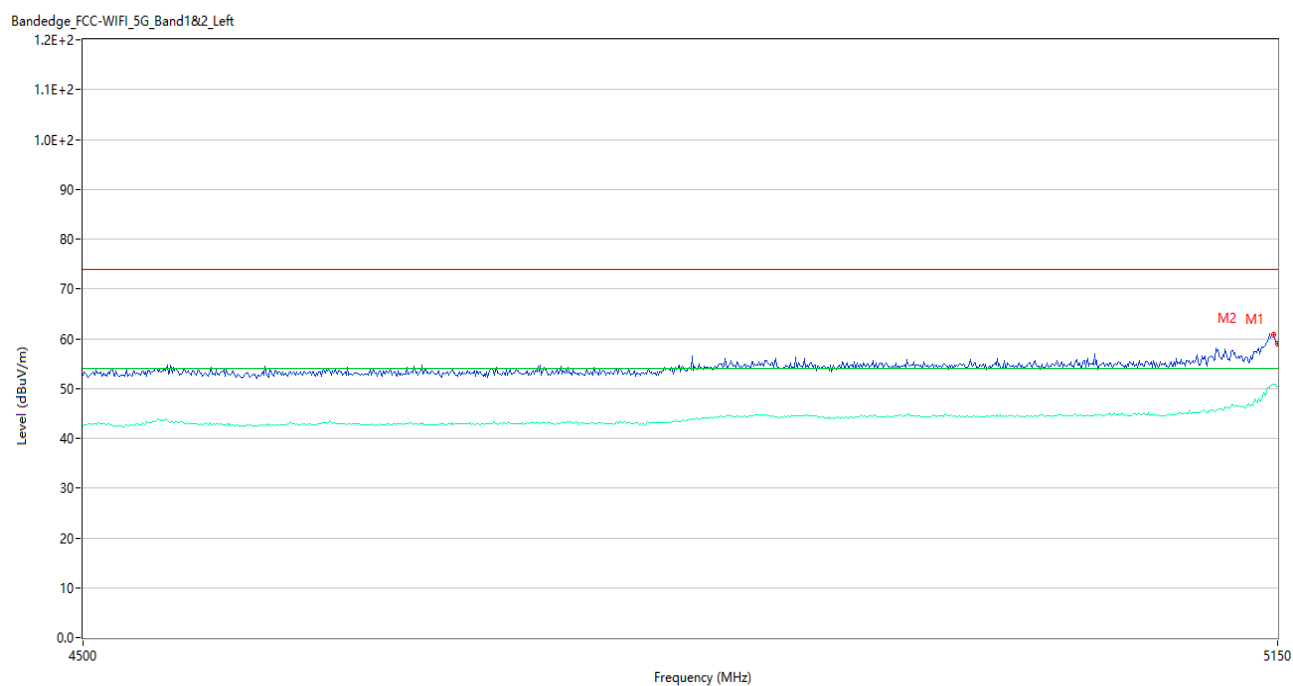
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	57.27	3.82	74.0	16.73	Peak	239.96	150	Horizontal	Pass
1**	5150.000	48.72	3.82	54.0	5.28	AV	239.96	150	Horizontal	Pass
2	5144.150	58.70	3.99	74.0	15.30	Peak	185.00	150	Horizontal	Pass
2**	5144.150	48.05	3.99	54.0	5.95	AV	185.00	150	Horizontal	Pass

U-NII-1 11ax20 (SU) CH48



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	54.57	4.04	74.0	19.43	Peak	0.00	150	Vertical	Pass
1**	5350.000	44.58	4.04	54.0	9.42	AV	0.00	150	Vertical	Pass
2	5356.930	55.92	4.19	74.0	18.08	Peak	0.00	150	Vertical	Pass
2**	5356.930	44.90	4.19	54.0	9.10	AV	0.00	150	Vertical	Pass

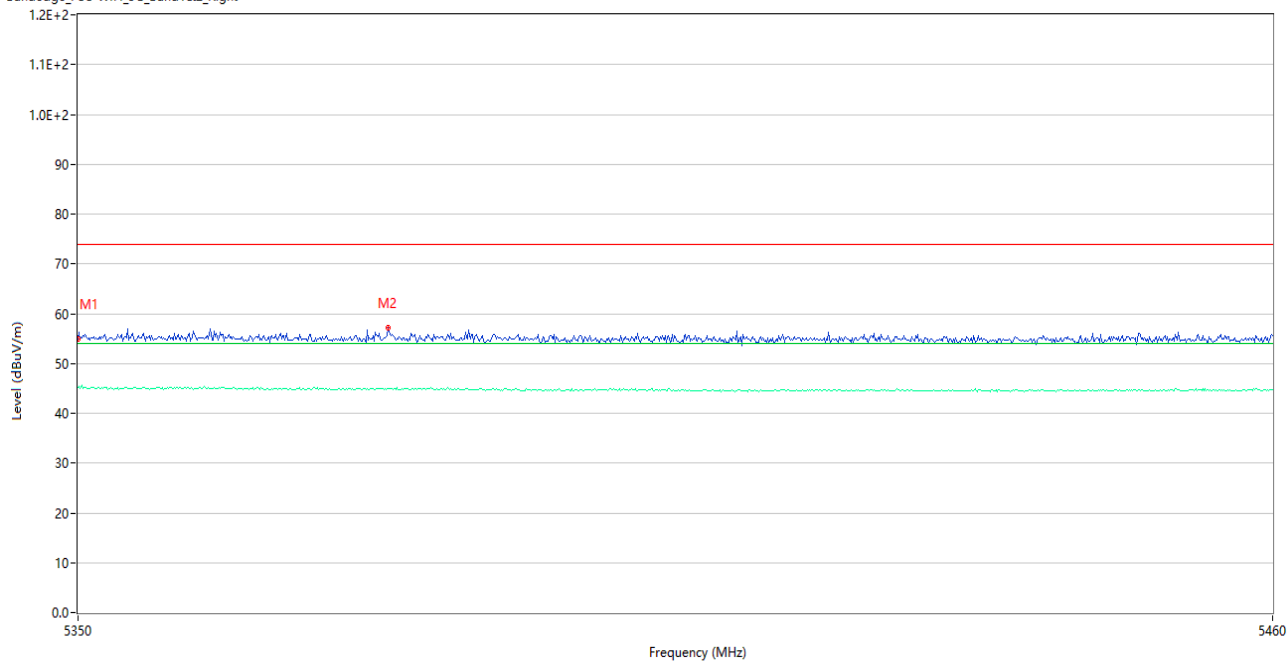
U-NII-1 11ax40 (SU) CH38



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	58.98	3.82	74.0	15.02	Peak	176.02	150	Vertical	Pass
1**	5150.000	50.45	3.82	54.0	3.55	AV	176.02	150	Vertical	Pass
2	5147.400	60.71	3.89	74.0	13.29	Peak	180.00	150	Vertical	Pass
2**	5147.400	50.79	3.89	54.0	3.21	AV	180.00	150	Vertical	Pass

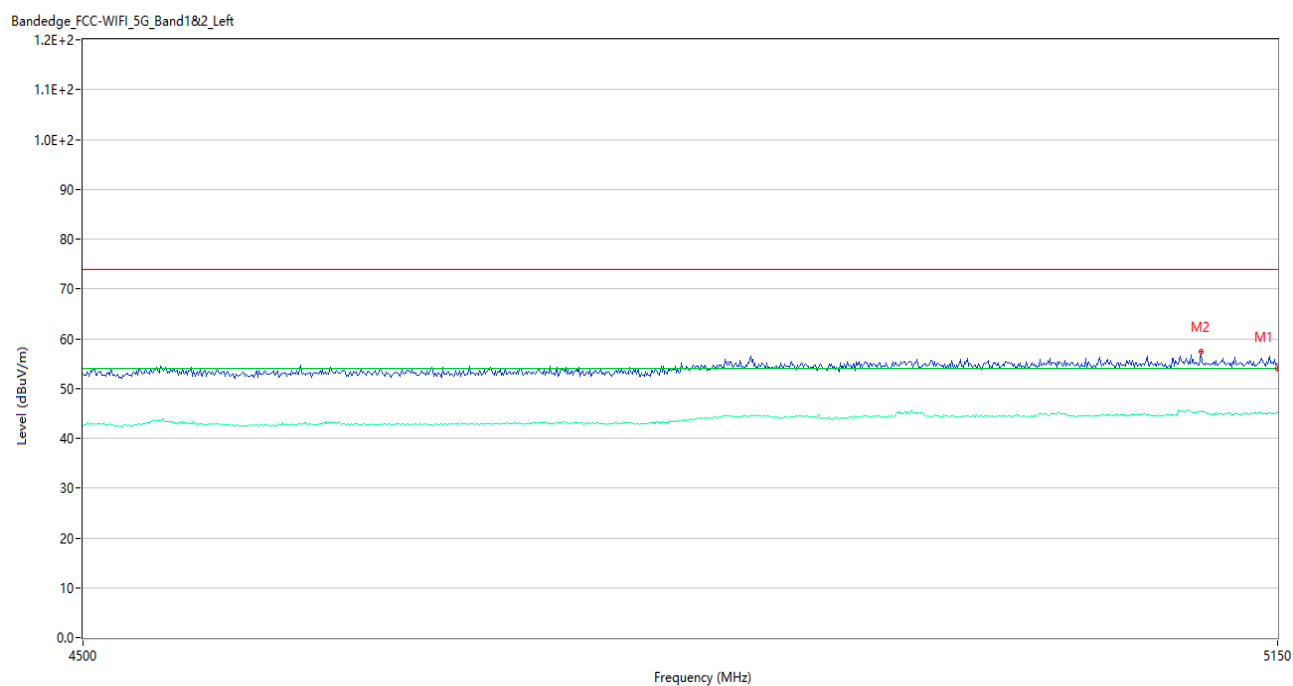
U-NII-1 11ax40 (SU) CH46

Bandedge_FCC-WIFI_5G_Band1&2_Right



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	54.98	4.04	74.0	19.02	Peak	78.00	150	Vertical	Pass
1**	5350.000	45.15	4.04	54.0	8.85	AV	78.00	150	Vertical	Pass
2	5378.380	57.19	4.05	74.0	16.81	Peak	23.00	150	Vertical	Pass
2**	5378.380	44.97	4.05	54.0	9.03	AV	23.00	150	Vertical	Pass

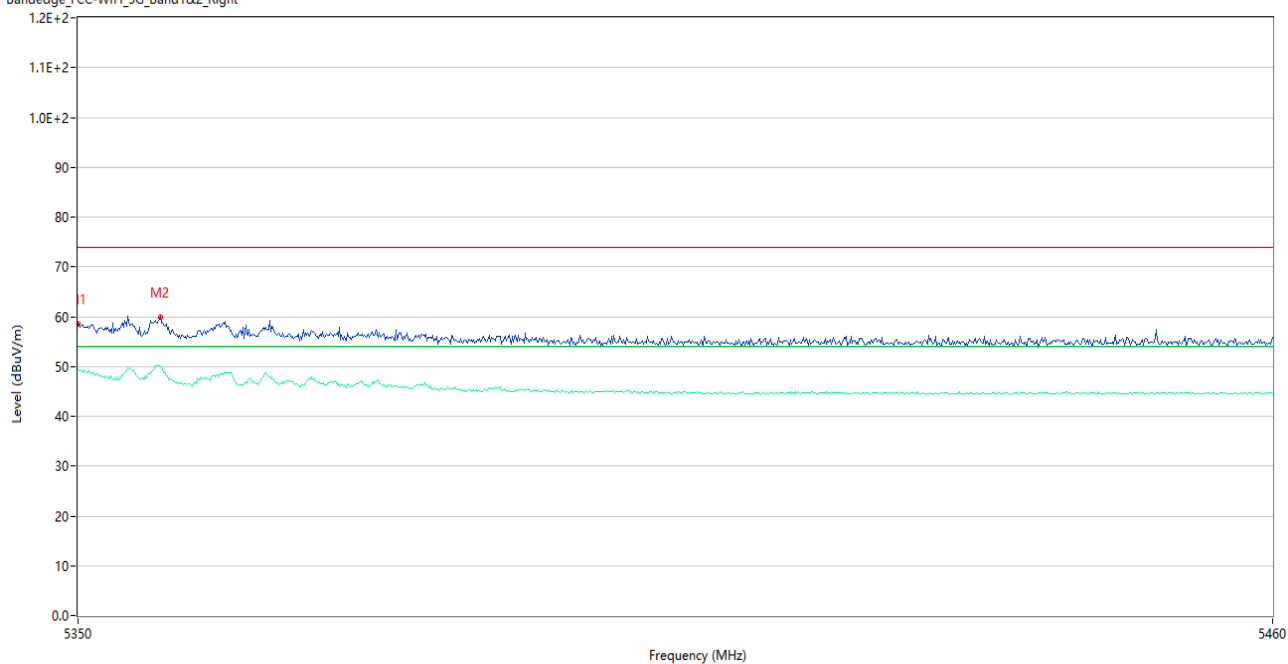
U-NII-2A 11a CH52



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	54.82	3.82	74.0	19.18	Peak	156.99	150	Vertical	Pass
1**	5150.000	45.11	3.82	54.0	8.89	AV	156.99	150	Vertical	Pass
2	5105.800	57.32	3.72	74.0	16.68	Peak	230.00	150	Vertical	Pass
2**	5105.800	45.47	3.72	54.0	8.53	AV	230.00	150	Vertical	Pass

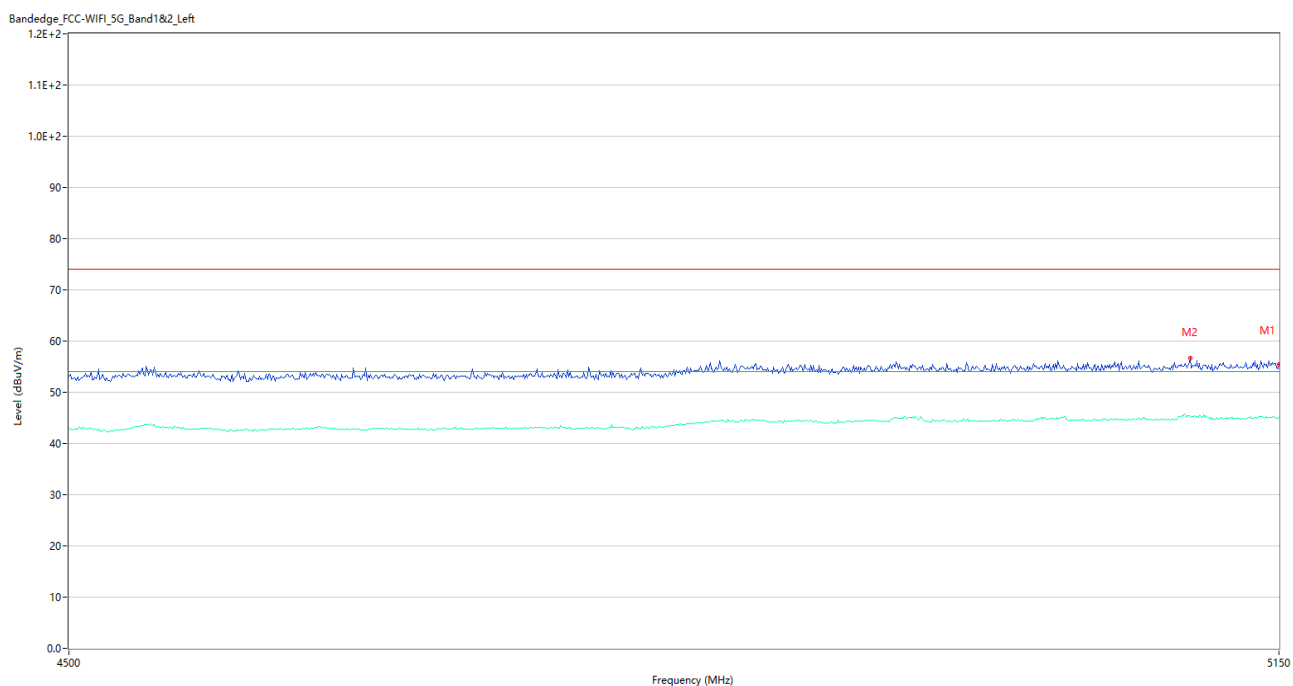
U-NII-2A 11a CH64

Bandedge_FCC-WIFI_5G_Band1&2_Right



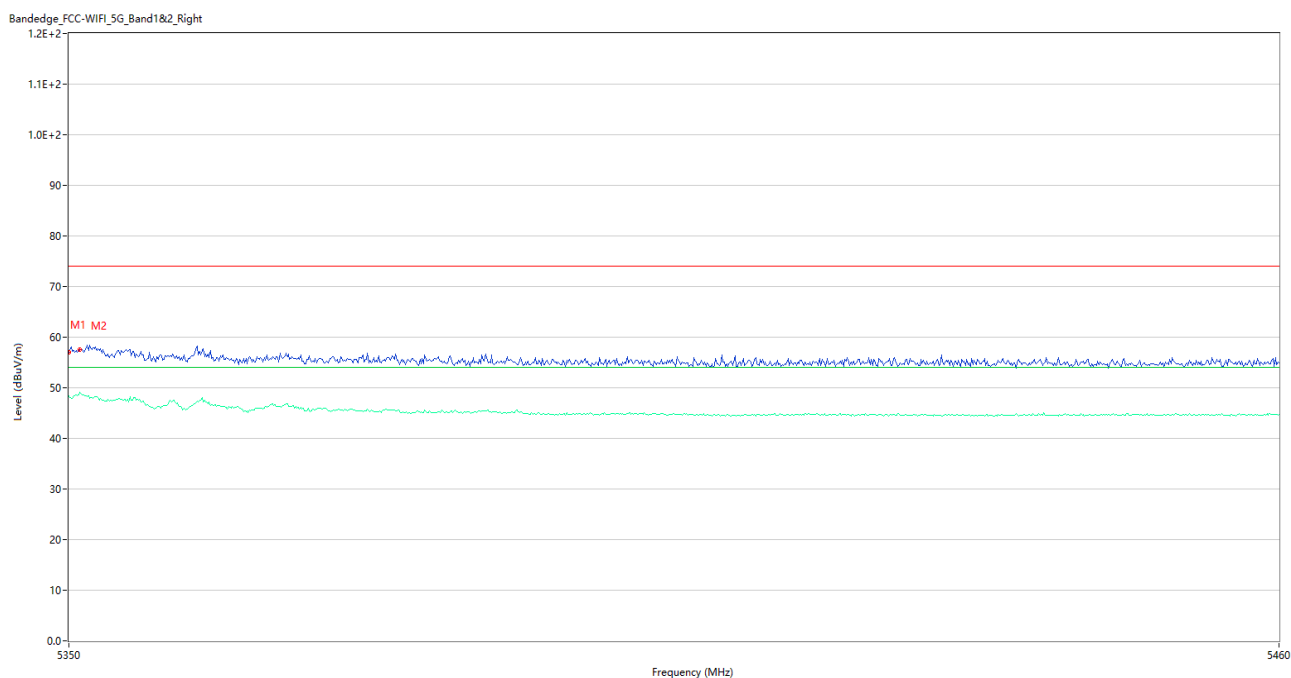
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	58.52	4.04	74.0	15.48	Peak	294.00	150	Vertical	Pass
1**	5350.000	49.57	4.04	54.0	4.43	AV	294.00	150	Vertical	Pass
2	5357.480	59.78	4.20	74.0	14.22	Peak	271.00	150	Vertical	Pass
2**	5357.480	49.99	4.20	54.0	4.01	AV	271.00	150	Vertical	Pass

U-NII-2A 11ac20 CH52



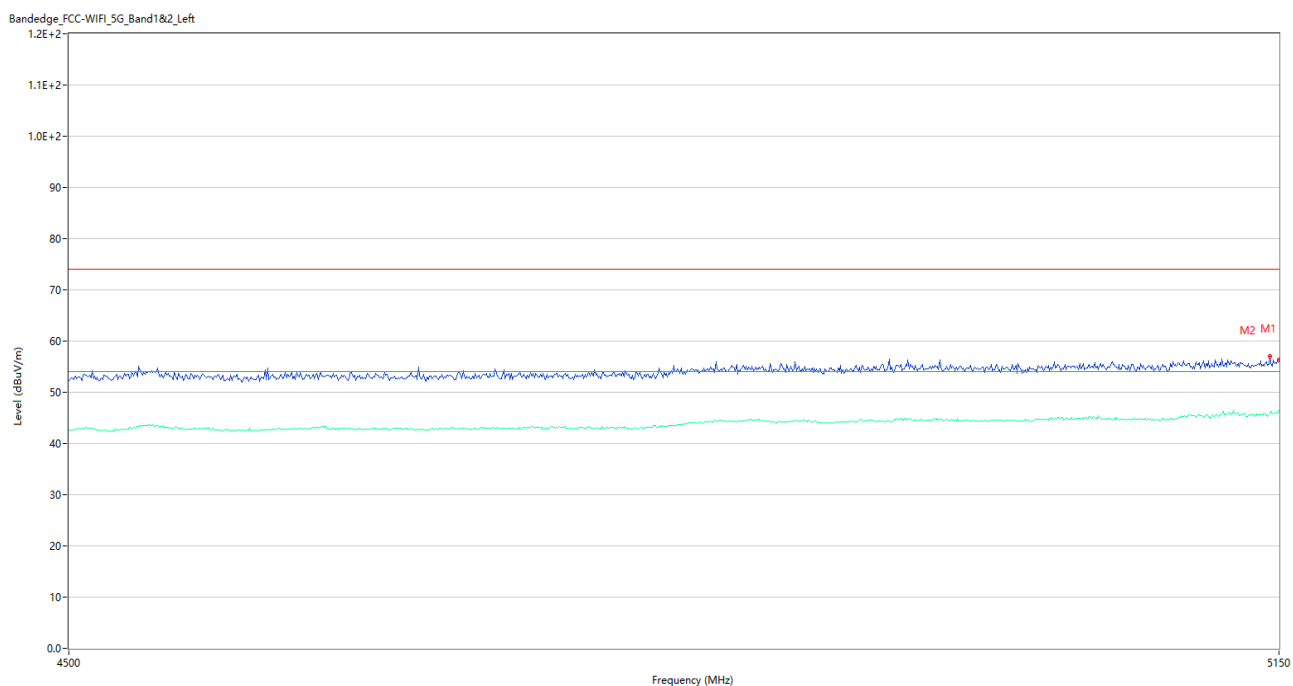
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	55.52	3.82	74.0	18.48	Peak	258.98	150	Vertical	Pass
1**	5150.000	45.09	3.82	54.0	8.91	AV	258.98	150	Vertical	Pass
2	5099.300	56.67	3.89	74.0	17.33	Peak	171.00	150	Vertical	Pass
2**	5099.300	45.19	3.89	54.0	8.81	AV	171.00	150	Vertical	Pass

U-NII-2A 11ac20 CH64



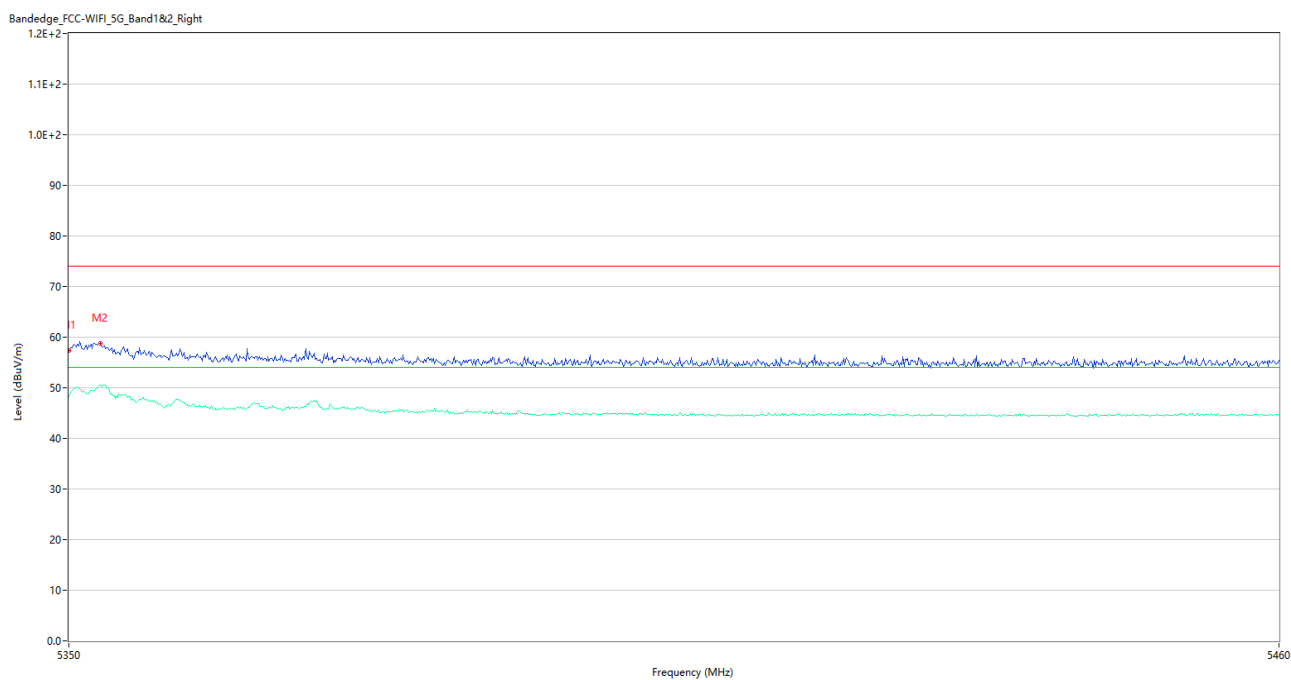
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	57.10	4.04	74.0	16.90	Peak	248.00	150	Horizontal	Pass
1**	5350.000	48.49	4.04	54.0	5.51	AV	248.00	150	Horizontal	Pass
2	5350.990	57.51	4.06	74.0	16.49	Peak	191.00	150	Horizontal	Pass
2**	5350.990	49.09	4.06	54.0	4.91	AV	191.00	150	Horizontal	Pass

U-NII-2A 11ac40 CH54



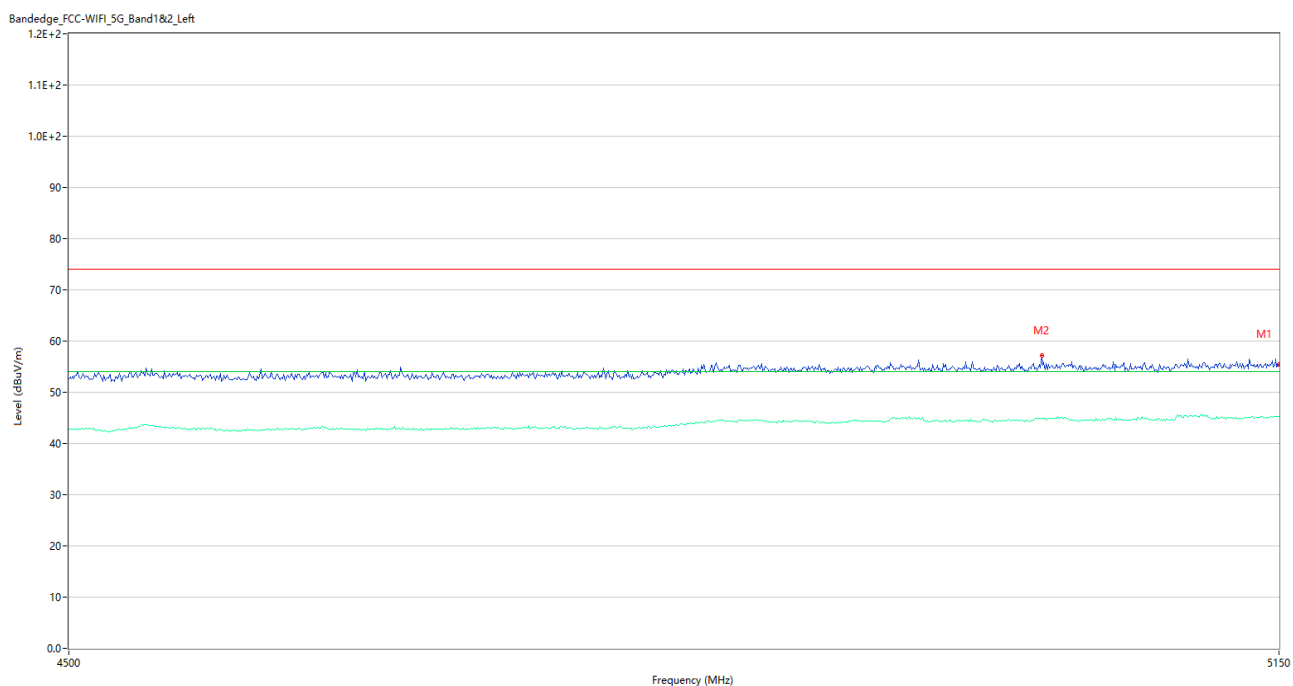
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	56.25	3.82	74.0	17.75	Peak	185.02	150	Horizontal	Pass
1**	5150.000	46.51	3.82	54.0	7.49	AV	185.02	150	Horizontal	Pass
2	5144.800	56.96	3.97	74.0	17.04	Peak	229.00	150	Horizontal	Pass
2**	5144.800	45.85	3.97	54.0	8.15	AV	229.00	150	Horizontal	Pass

U-NII-2A 11ac40 CH62



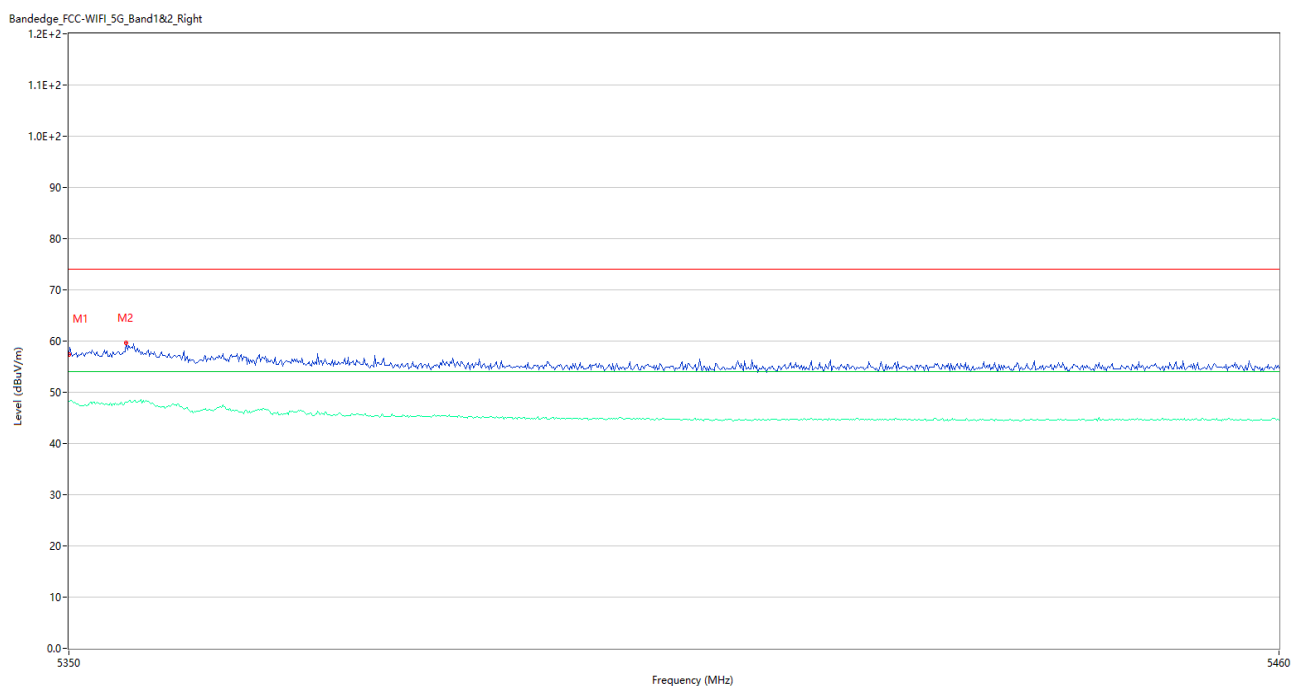
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	57.33	4.04	74.0	16.67	Peak	178.00	150	Horizontal	Pass
1**	5350.000	48.26	4.04	54.0	5.74	AV	178.00	150	Horizontal	Pass
2	5352.860	58.69	4.09	74.0	15.31	Peak	210.00	150	Horizontal	Pass
2**	5352.860	50.60	4.09	54.0	3.40	AV	210.00	150	Horizontal	Pass

U-NII-2A 11ax20 (SU) CH52



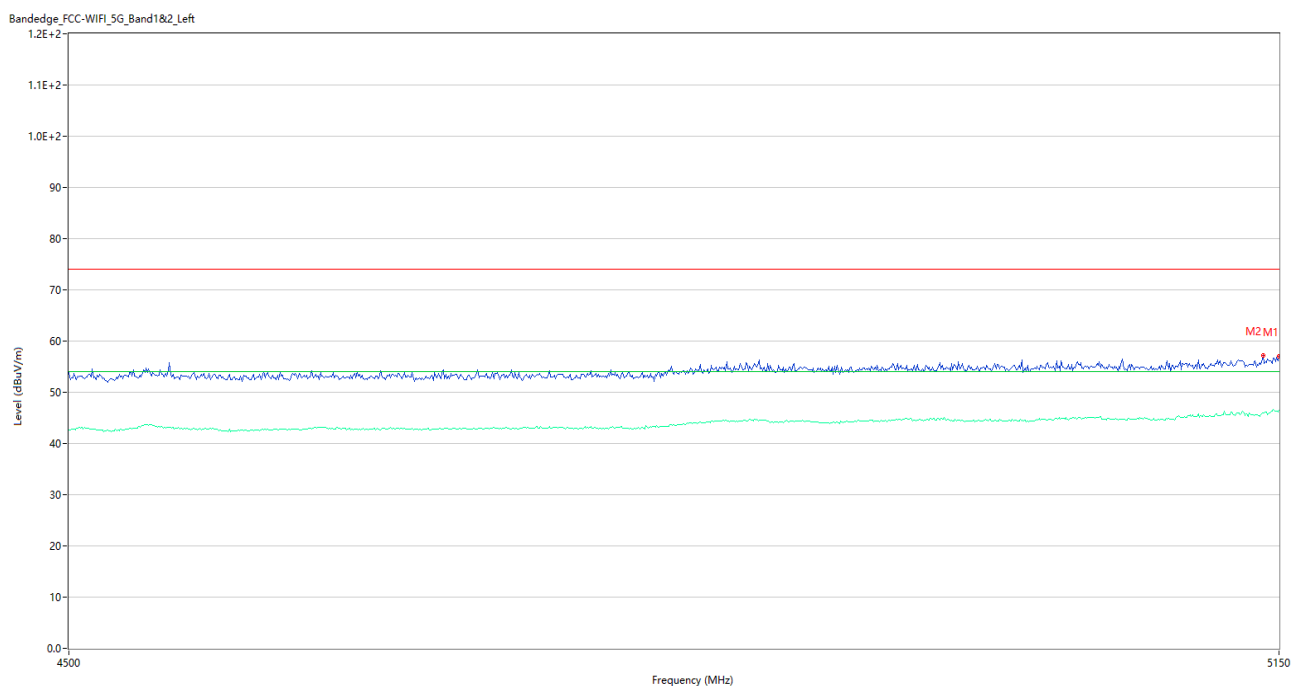
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	55.45	3.82	74.0	18.55	Peak	186.00	150	Horizontal	Pass
1**	5150.000	45.21	3.82	54.0	8.79	AV	186.00	150	Horizontal	Pass
2	5015.450	57.14	3.58	74.0	16.86	Peak	266.00	150	Horizontal	Pass
2**	5015.450	44.78	3.58	54.0	9.22	AV	266.00	150	Horizontal	Pass

U-NII-2A 11ax20 (SU) CH64



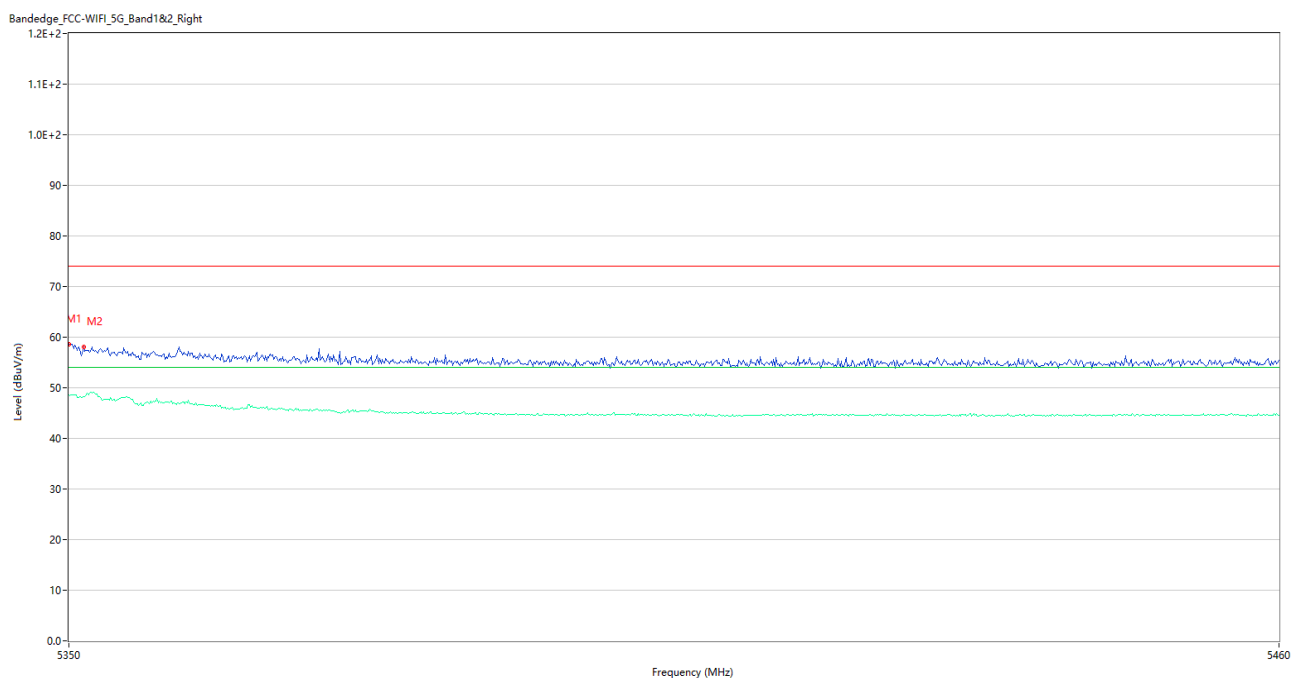
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	57.43	4.04	74.0	16.57	Peak	242.00	150	Horizontal	Pass
1**	5350.000	48.20	4.04	54.0	5.80	AV	242.00	150	Horizontal	Pass
2	5355.170	59.63	4.15	74.0	14.37	Peak	284.00	150	Horizontal	Pass
2**	5355.170	48.05	4.15	54.0	5.95	AV	284.00	150	Horizontal	Pass

U-NII-2A 11ax40 (SU) CH54



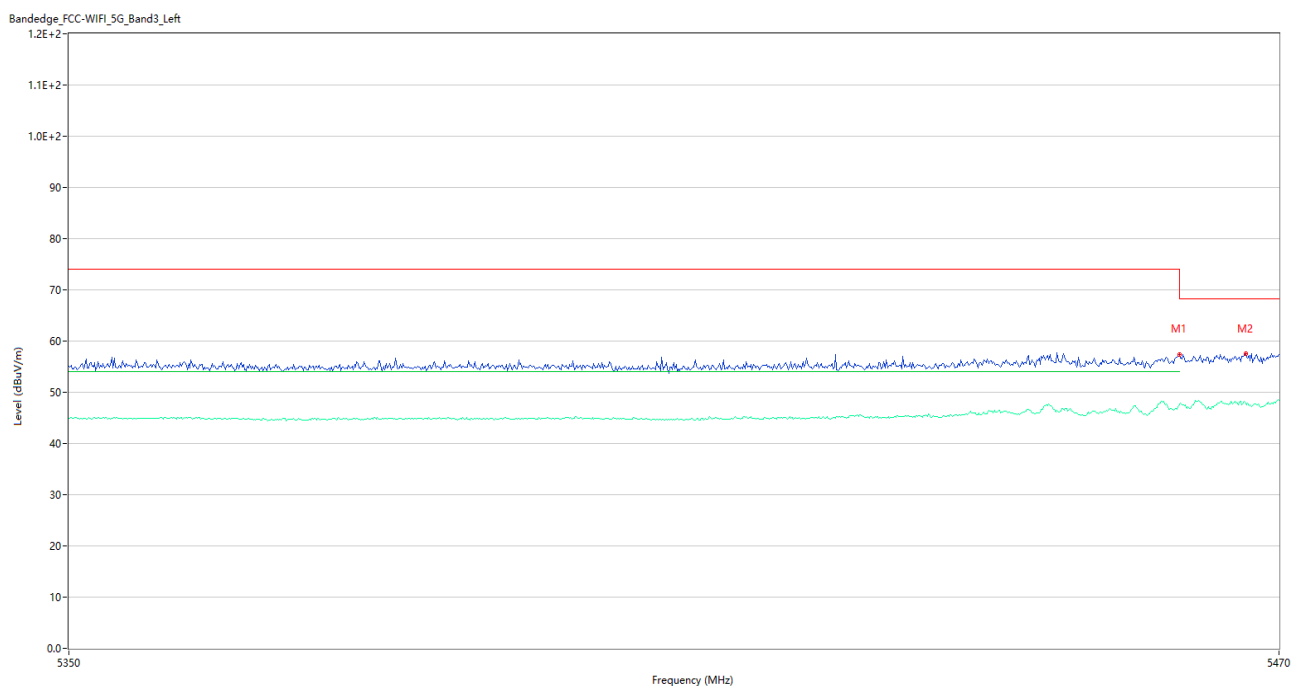
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5150.000	57.05	3.82	74.0	16.95	Peak	235.99	150	Horizontal	Pass
1**	5150.000	46.54	3.82	54.0	7.46	AV	235.99	150	Horizontal	Pass
2	5140.900	57.15	4.07	74.0	16.85	Peak	169.00	150	Horizontal	Pass
2**	5140.900	46.04	4.07	54.0	7.96	AV	169.00	150	Horizontal	Pass

U-NII-2A 11ax40 (SU) CH62



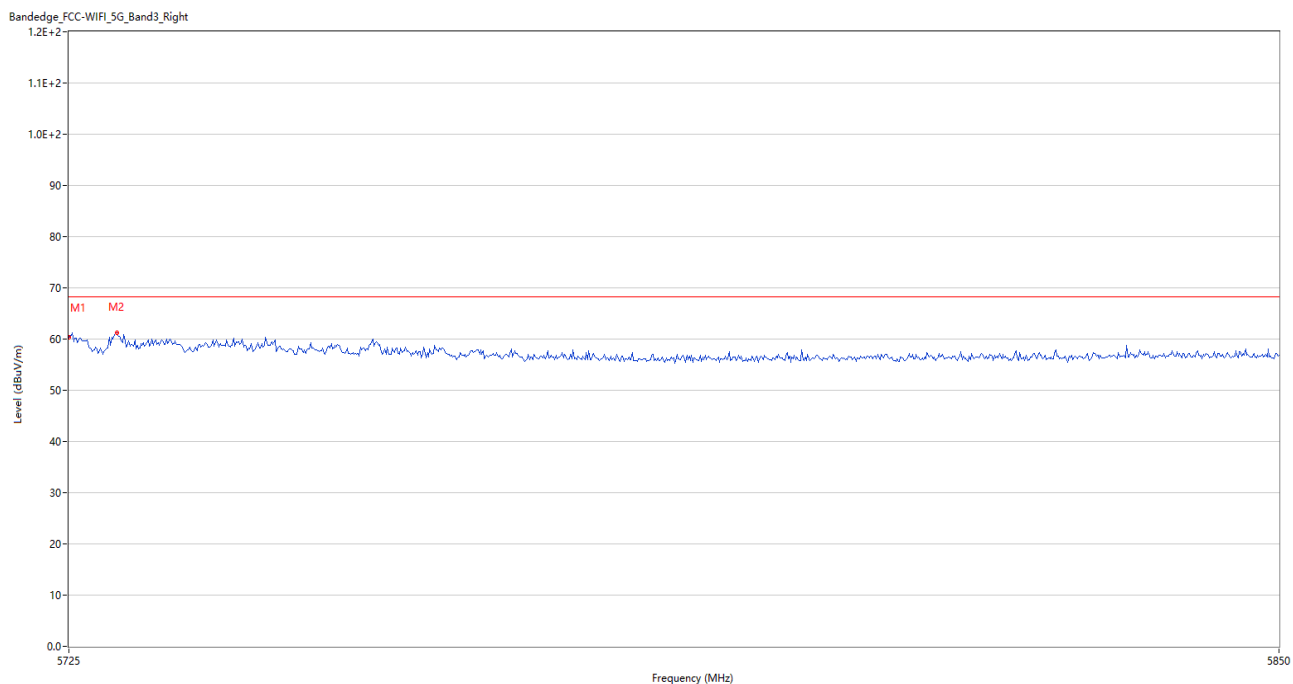
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	58.54	4.04	74.0	15.46	Peak	180.00	150	Horizontal	Pass
1**	5350.000	48.60	4.04	54.0	5.40	AV	180.00	150	Horizontal	Pass
2	5351.320	58.12	4.07	74.0	15.88	Peak	20.00	150	Horizontal	Pass
2**	5351.320	48.18	4.07	54.0	5.82	AV	20.00	150	Horizontal	Pass

U-NII-2C 11a CH100



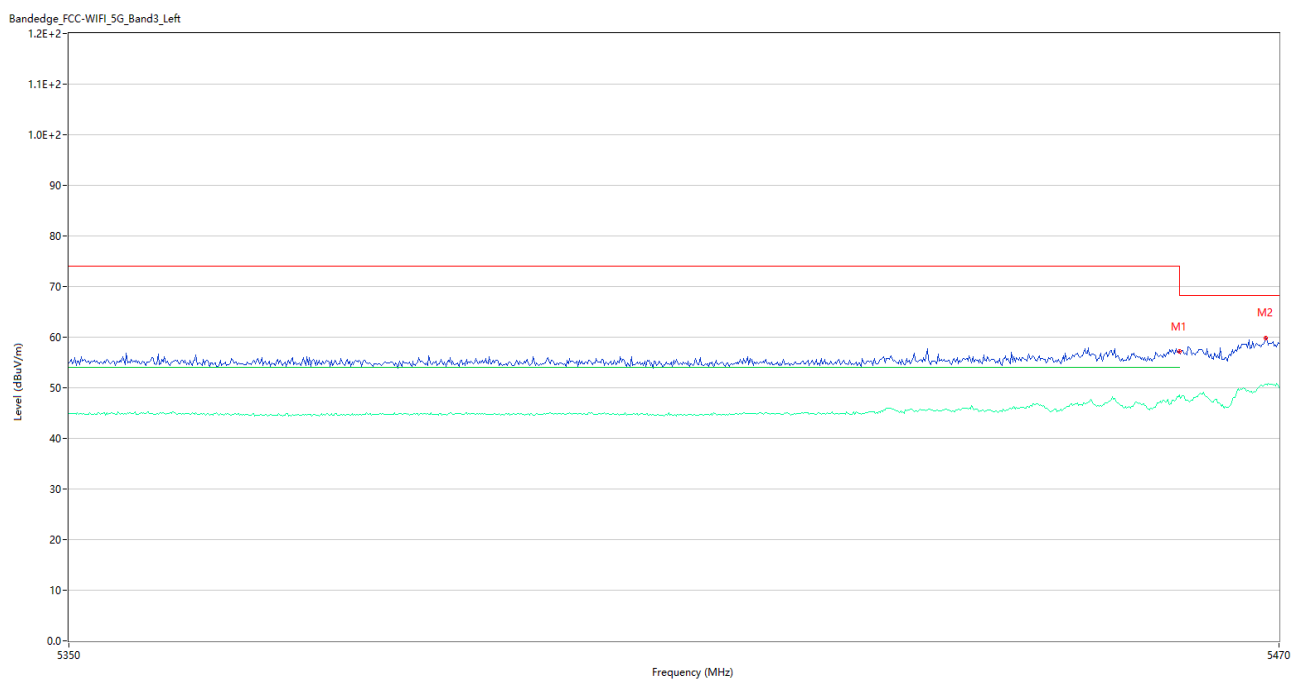
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5460.000	57.40	3.78	68.2	10.80	Peak	199.39	150	Horizontal	Pass
1**	5460.000	47.49	3.78	54.0	6.51	AV	199.39	150	Horizontal	Pass
2	5466.640	57.57	4.00	68.2	10.63	Peak	279.00	150	Horizontal	Pass
2**	5466.640	47.94	4.00	--	-47.94	AV	279.00	150	Horizontal	N/A

U-NII-2C 11a CH140



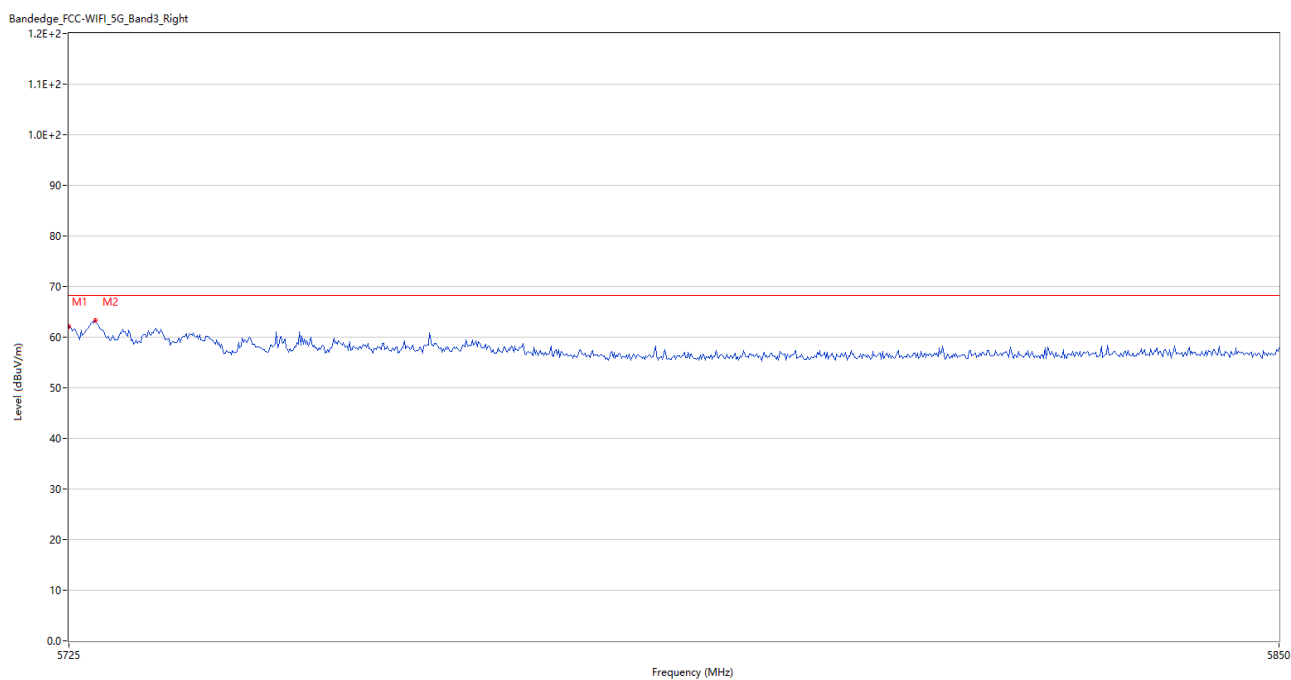
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	60.42	4.31	68.2	7.78	Peak	185.00	150	Horizontal	Pass
2	5729.875	61.31	4.17	68.2	6.89	Peak	188.00	150	Horizontal	Pass

U-NII-2C 11n20 CH100



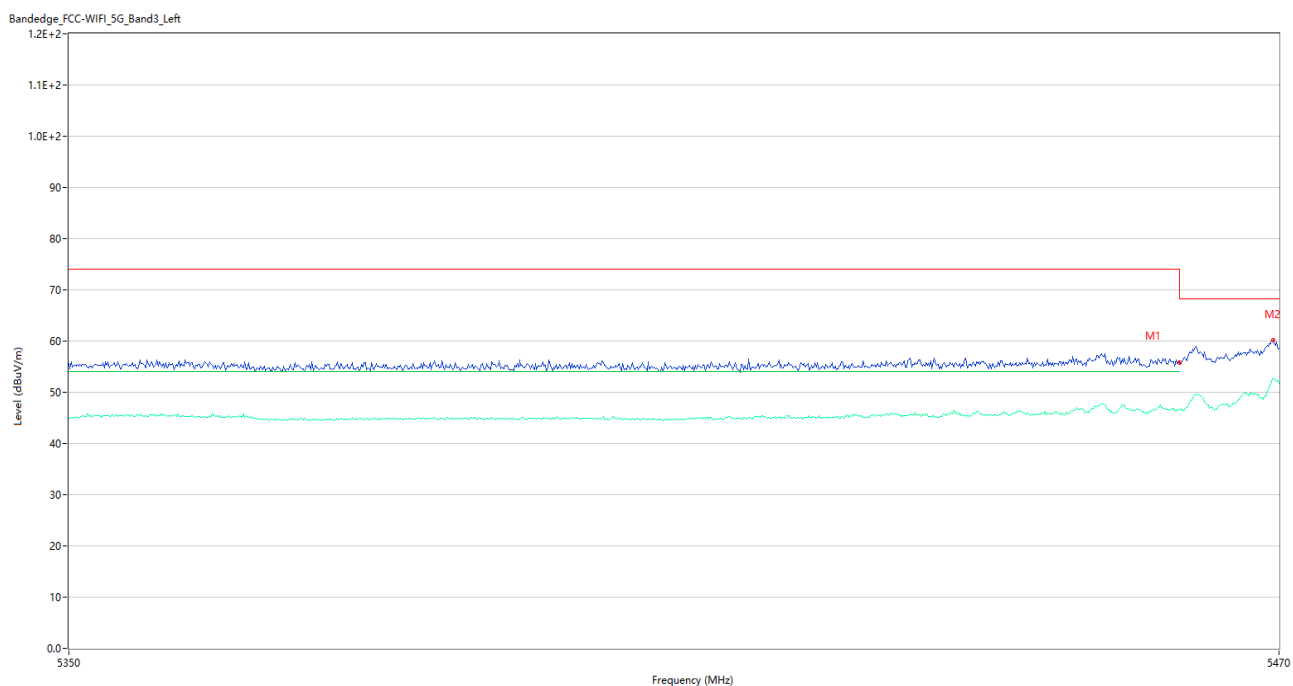
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5460.000	57.15	3.78	68.2	11.05	Peak	126.23	150	Horizontal	Pass
1**	5460.000	48.46	3.78	54.0	5.54	AV	126.23	150	Horizontal	Pass
2	5468.680	59.87	4.06	68.2	8.33	Peak	198.00	150	Horizontal	Pass
2**	5468.680	50.66	4.06	--	-50.66	AV	198.00	150	Horizontal	N/A

U-NII-2C 11n20 CH140



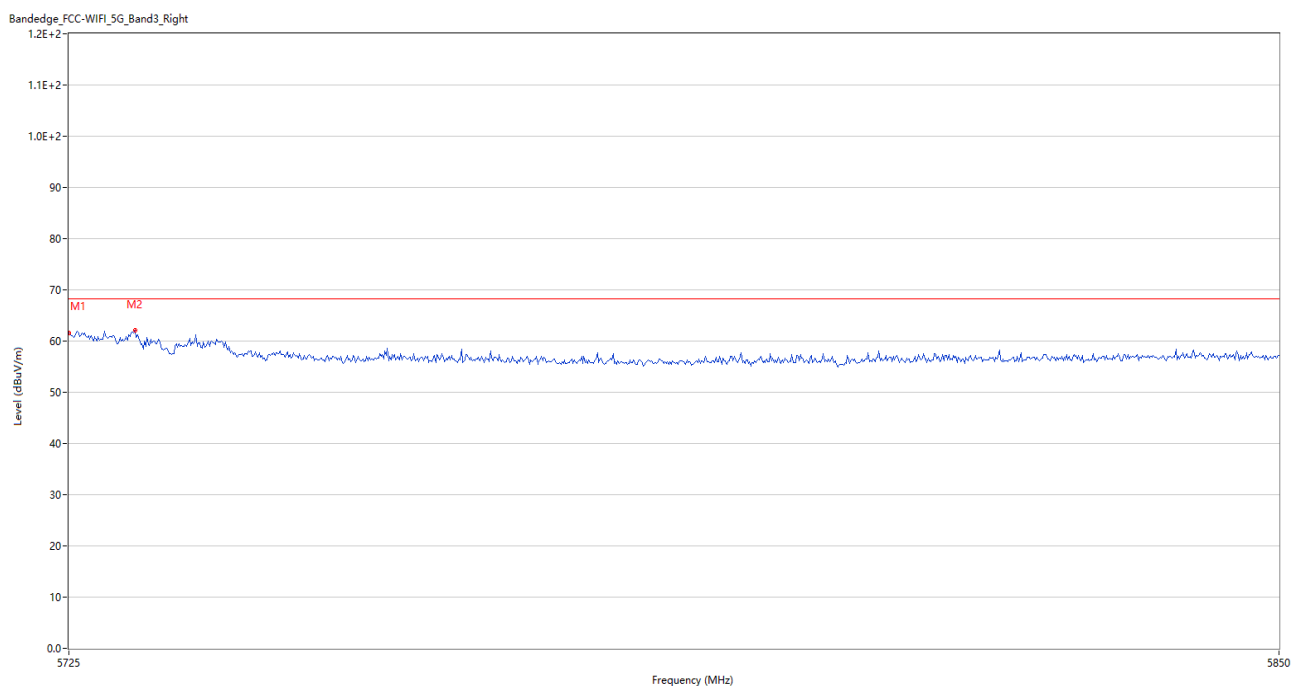
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	62.14	4.31	68.2	6.06	Peak	264.00	150	Horizontal	Pass
2	5727.750	63.26	4.23	68.2	4.94	Peak	180.00	150	Horizontal	Pass

U-NII-2C 11n40 CH102



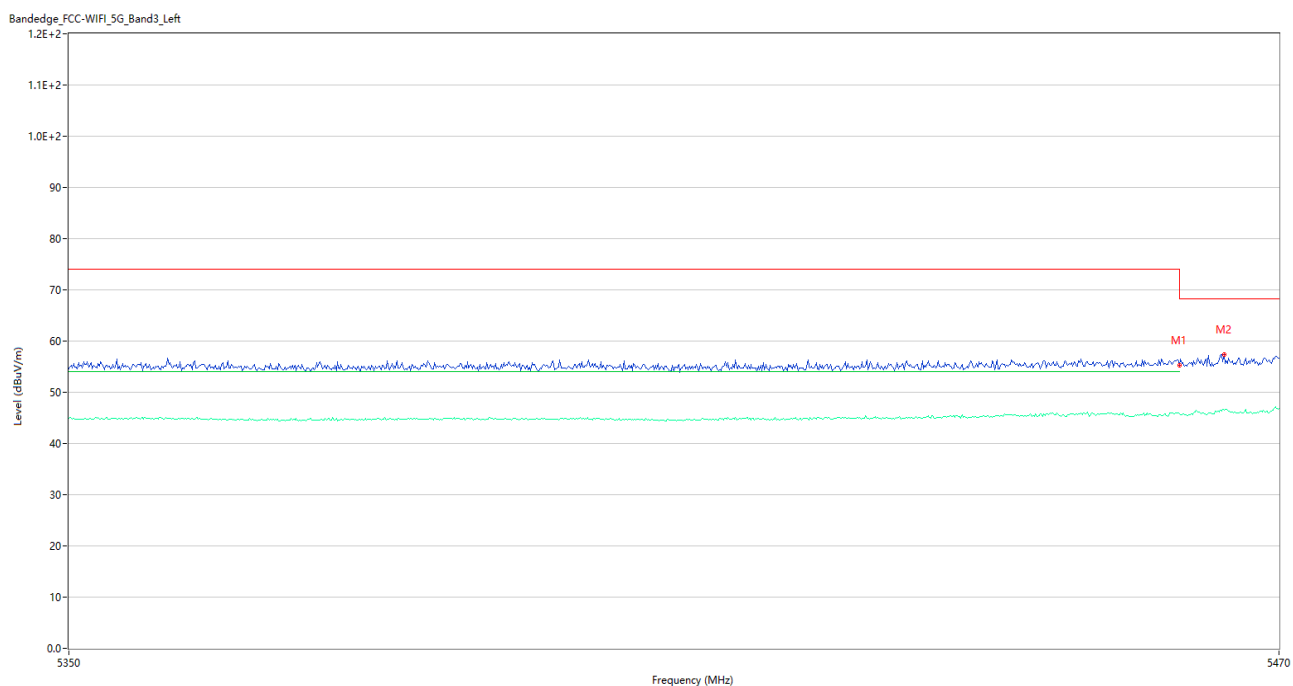
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5460.000	55.79	3.78	68.2	12.41	Peak	254.02	150	Horizontal	Pass
1**	5460.000	46.54	3.78	54.0	7.46	AV	254.02	150	Horizontal	Pass
2	5469.400	60.19	4.08	68.2	8.01	Peak	173.00	150	Horizontal	Pass
2**	5469.400	52.76	4.08	--	-52.76	AV	173.00	150	Horizontal	N/A

U-NII-2C 11n40 CH134



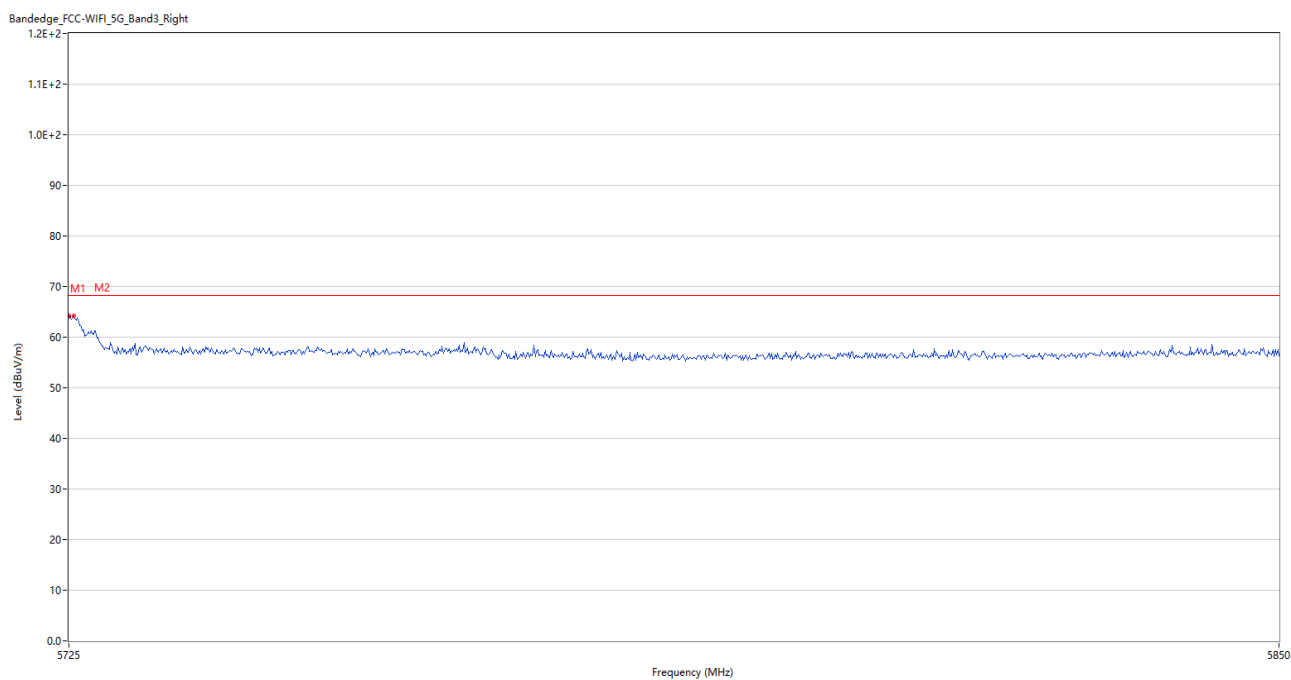
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	61.64	4.31	68.2	6.56	Peak	175.00	150	Horizontal	Pass
2	5731.750	62.16	4.18	68.2	6.04	Peak	192.00	150	Horizontal	Pass

U-NII-2C 11ax20 (SU) CH100



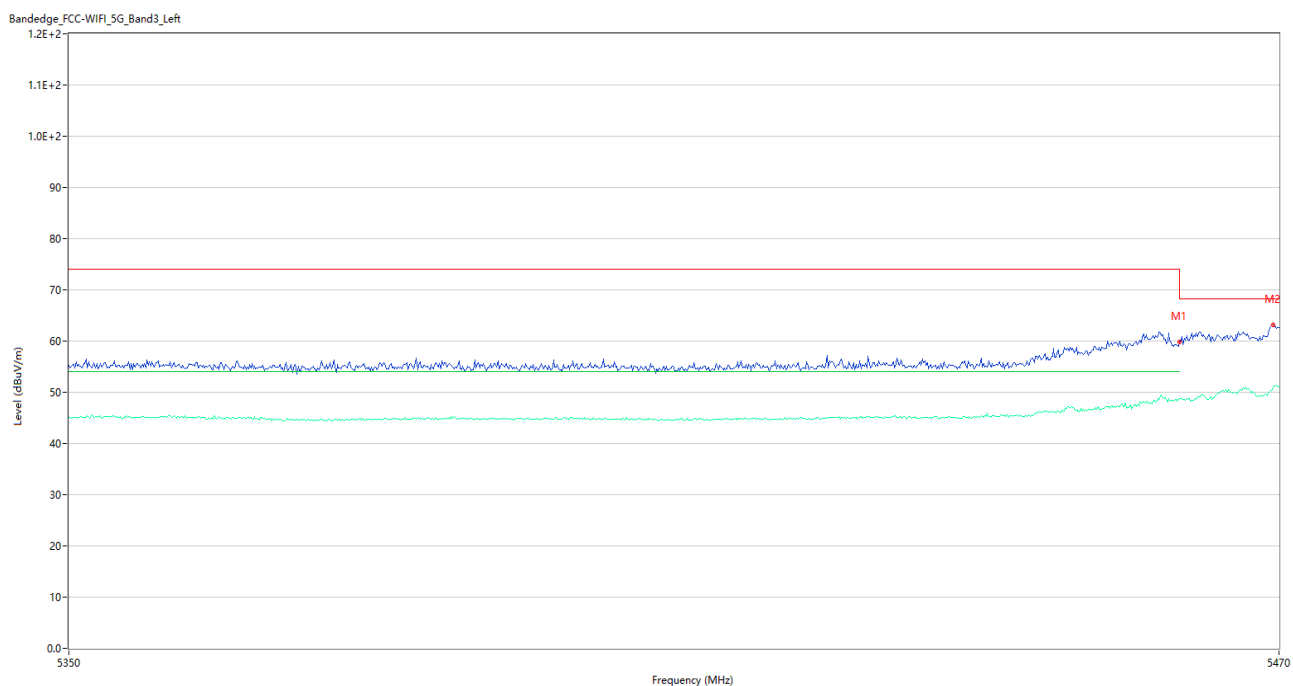
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5460.000	55.56	3.78	68.2	12.64	Peak	268.01	150	Horizontal	Pass
1**	5460.000	45.86	3.78	54.0	8.14	AV	268.01	150	Horizontal	Pass
2	5464.480	57.35	3.92	68.2	10.85	Peak	167.00	150	Horizontal	Pass
2**	5464.480	46.56	3.92	--	-46.56	AV	167.00	150	Horizontal	N/A

U-NII-2C 11ax20 (SU) CH140



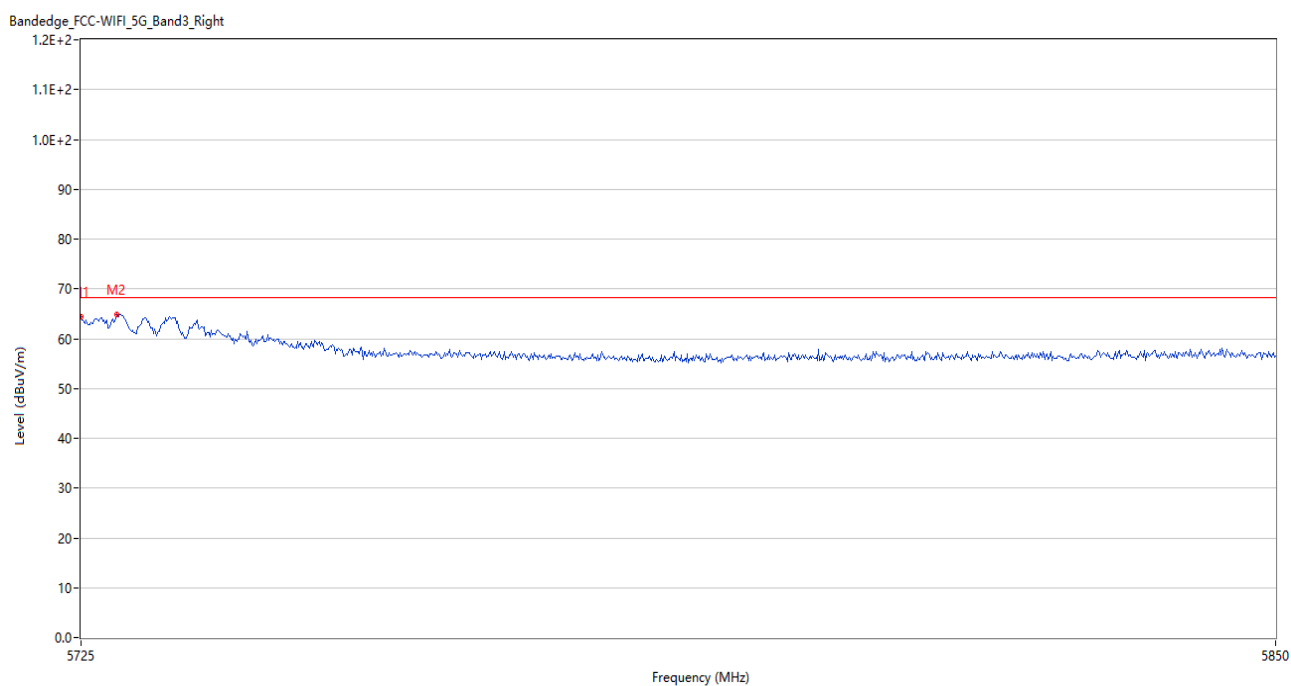
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	64.24	4.31	68.2	3.96	Peak	192.00	150	Horizontal	Pass
2	5725.500	64.15	4.29	68.2	4.05	Peak	185.00	150	Horizontal	Pass

U-NII-2C 11ax40 (SU) CH102



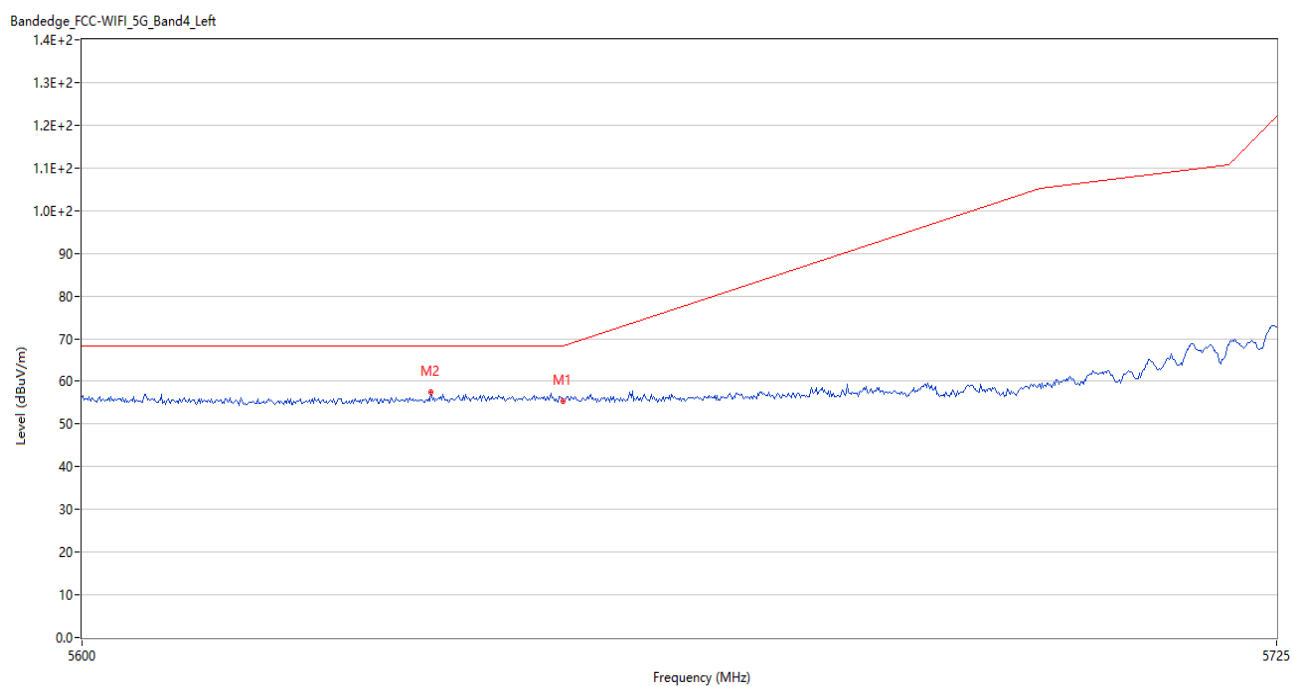
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5460.000	59.49	3.78	68.2	8.71	Peak	208.41	150	Horizontal	Pass
1**	5460.000	48.64	3.78	54.0	5.36	AV	208.41	150	Horizontal	Pass
2	5469.400	63.20	4.08	68.2	5.00	Peak	173.00	150	Horizontal	Pass
2**	5469.400	50.81	4.08	--	-50.81	AV	173.00	150	Horizontal	N/A

U-NII-2C 11ax40 (SU) CH134



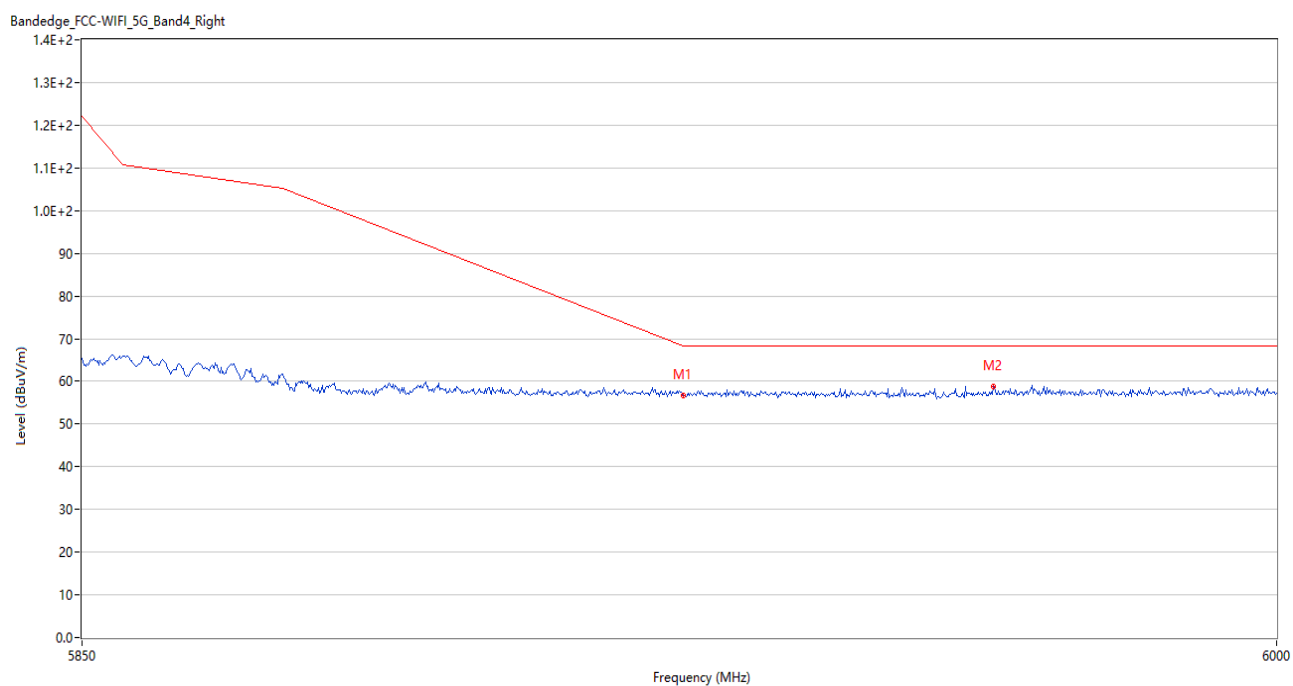
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	64.34	4.31	68.2	3.86	Peak	180.00	150	Horizontal	Pass
2	5728.750	64.78	4.20	68.2	3.42	Peak	180.00	150	Horizontal	Pass

U-NII-3 11a CH149



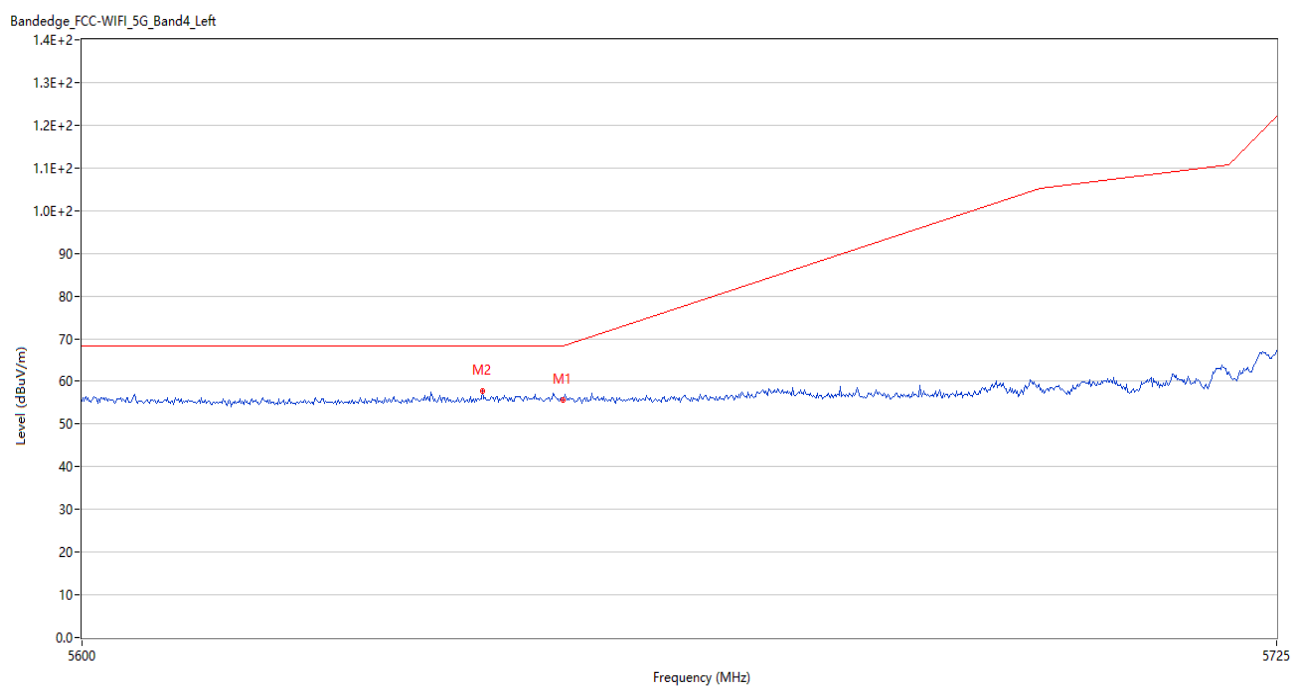
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	55.50	3.81	68.2	12.70	Peak	168.99	150	Horizontal	Pass
2	5636.250	57.46	3.71	68.2	10.74	Peak	303.00	150	Horizontal	Pass

U-NII-3 11a CH165



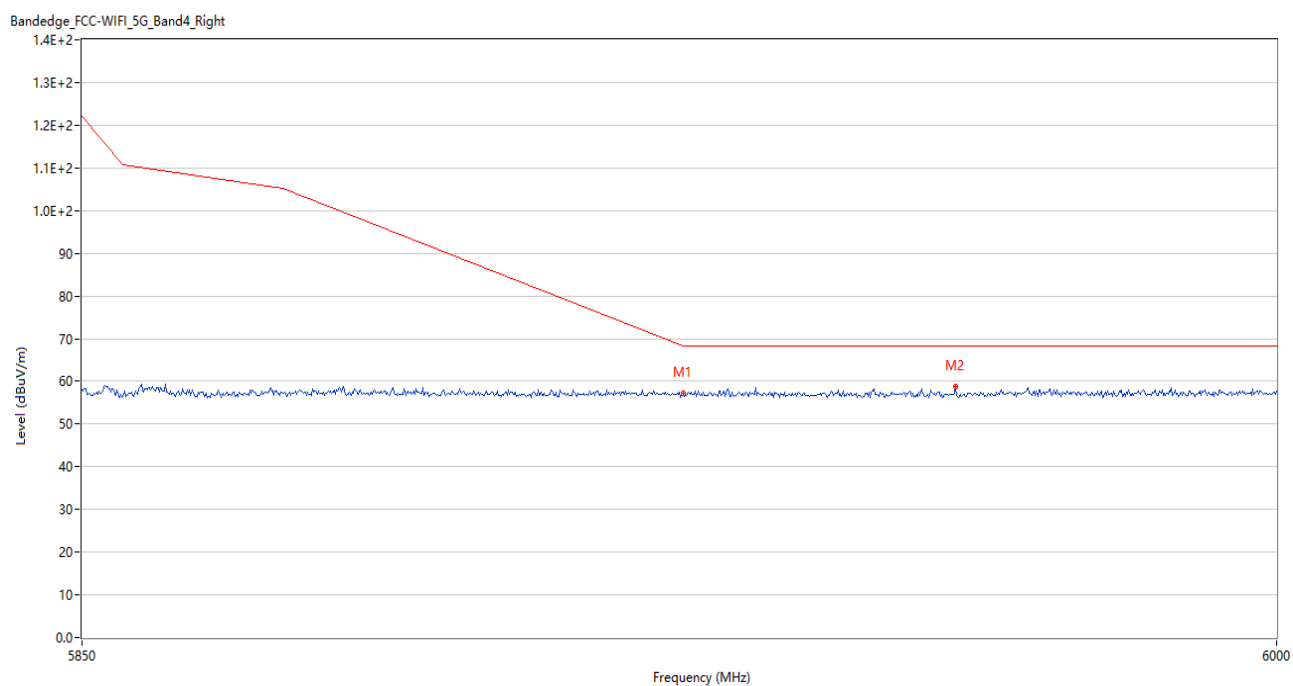
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	56.80	6.44	68.2	11.40	Peak	69.37	150	Horizontal	Pass
2	5964.150	58.90	6.21	68.2	9.30	Peak	293.00	150	Horizontal	Pass

U-NII-3 11n20 CH149



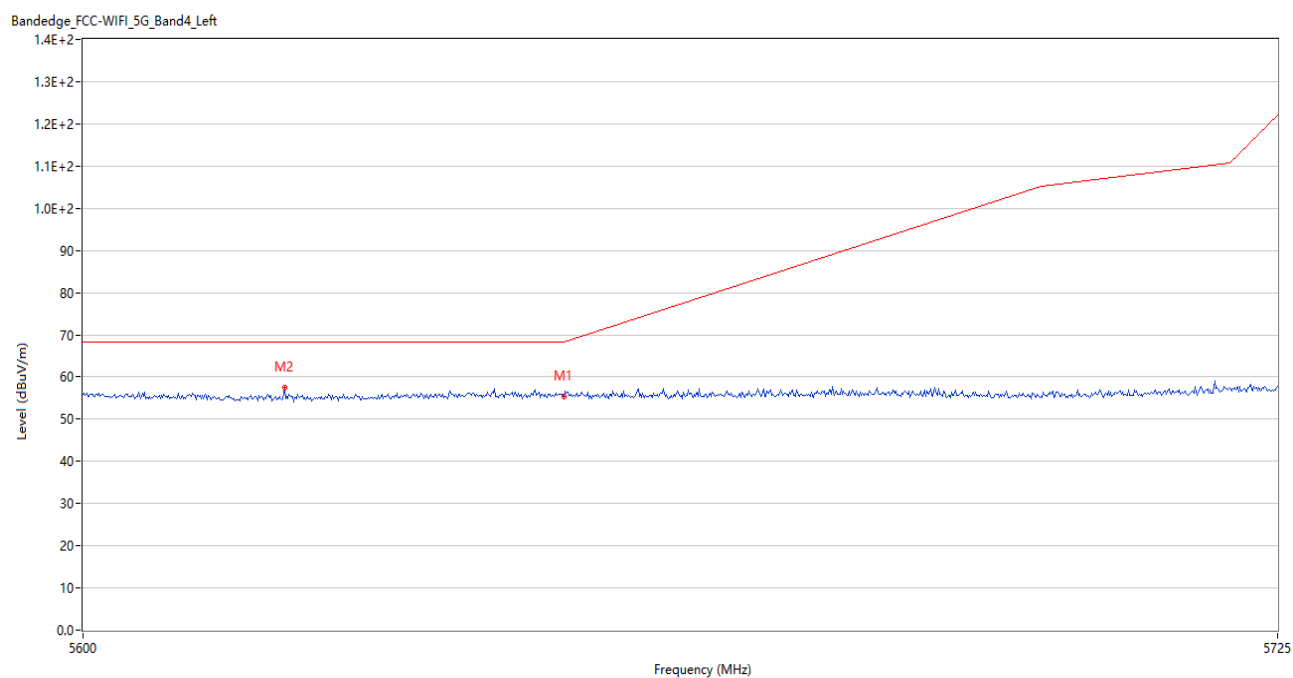
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	55.51	3.81	68.2	12.69	Peak	35.21	150	Horizontal	Pass
2	5641.625	57.73	3.74	68.2	10.47	Peak	291.00	150	Horizontal	Pass

U-NII-3 11n20 CH165



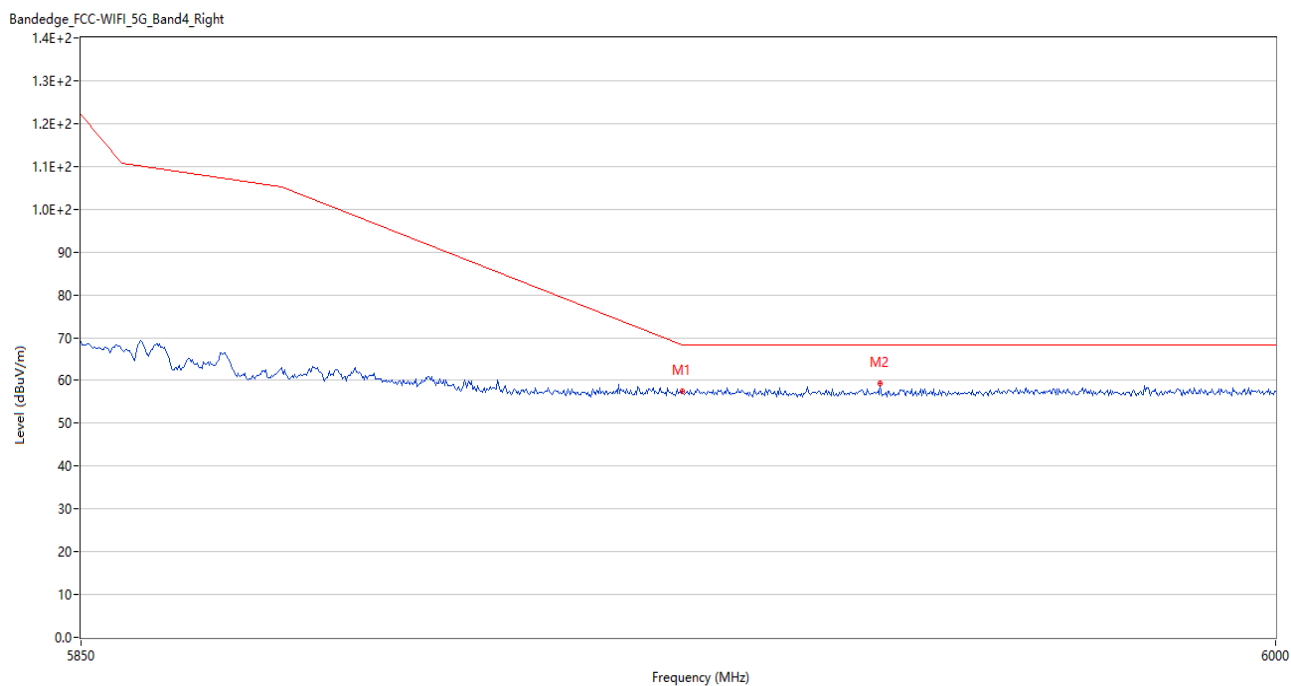
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	57.18	6.44	68.2	11.02	Peak	359.76	150	Vertical	Pass
2	5959.350	58.91	6.10	68.2	9.29	Peak	38.00	150	Vertical	Pass

U-NII-3 11n40 CH151



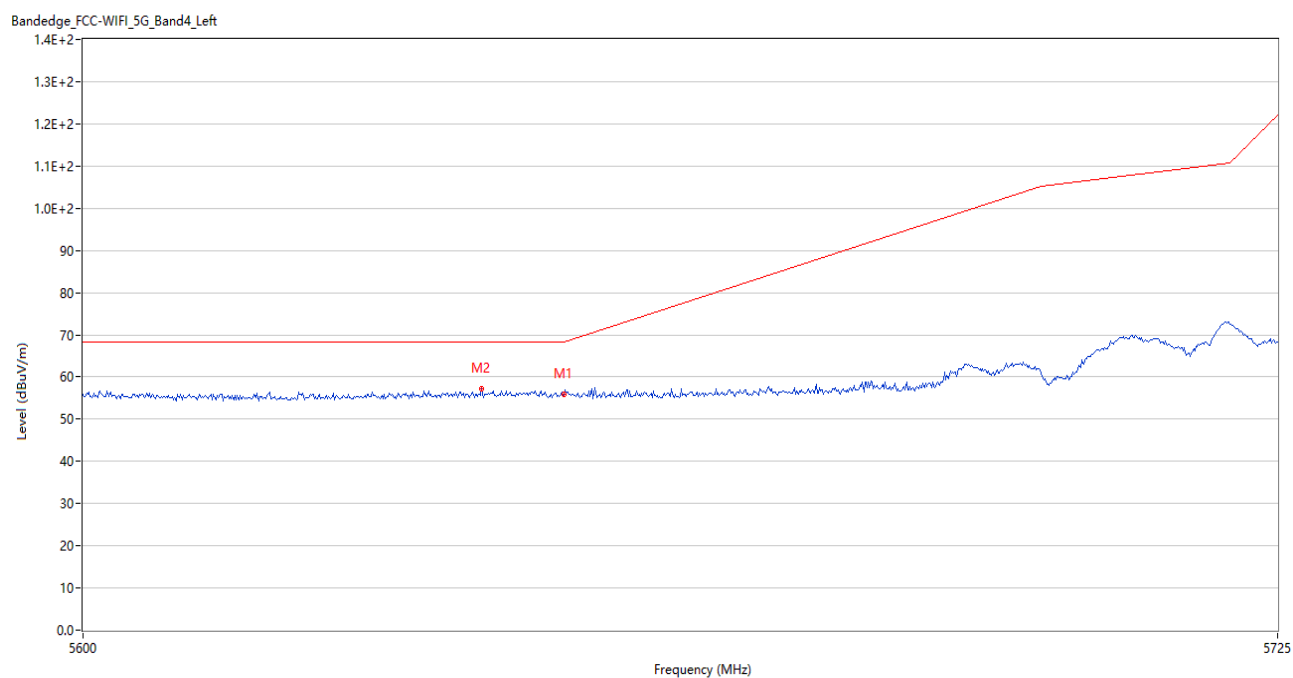
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	55.44	3.81	68.2	12.76	Peak	359.89	150	Vertical	Pass
2	5620.875	57.41	3.60	68.2	10.79	Peak	71.00	150	Vertical	Pass

U-NII-3 11n40 CH159



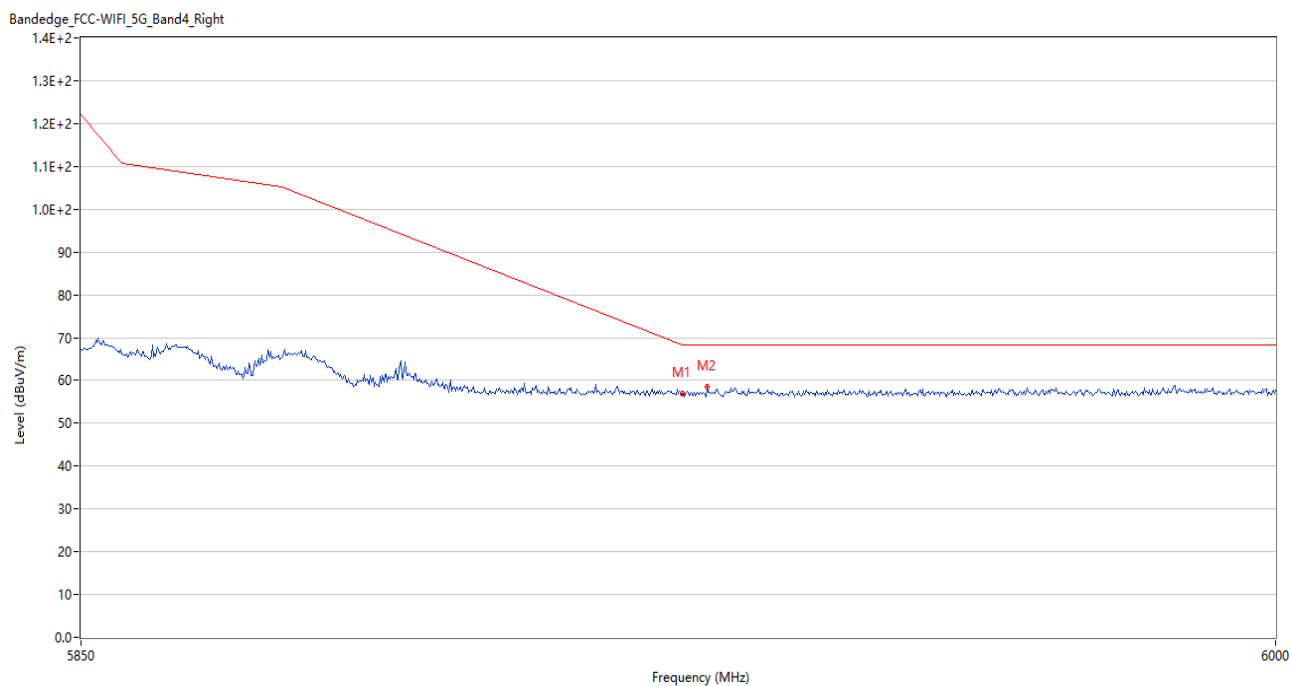
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	57.60	6.44	68.2	10.60	Peak	330.03	150	Horizontal	Pass
2	5949.900	59.44	6.23	68.2	8.76	Peak	74.00	150	Horizontal	Pass

U-NII-3 11ax20 (SU) CH149



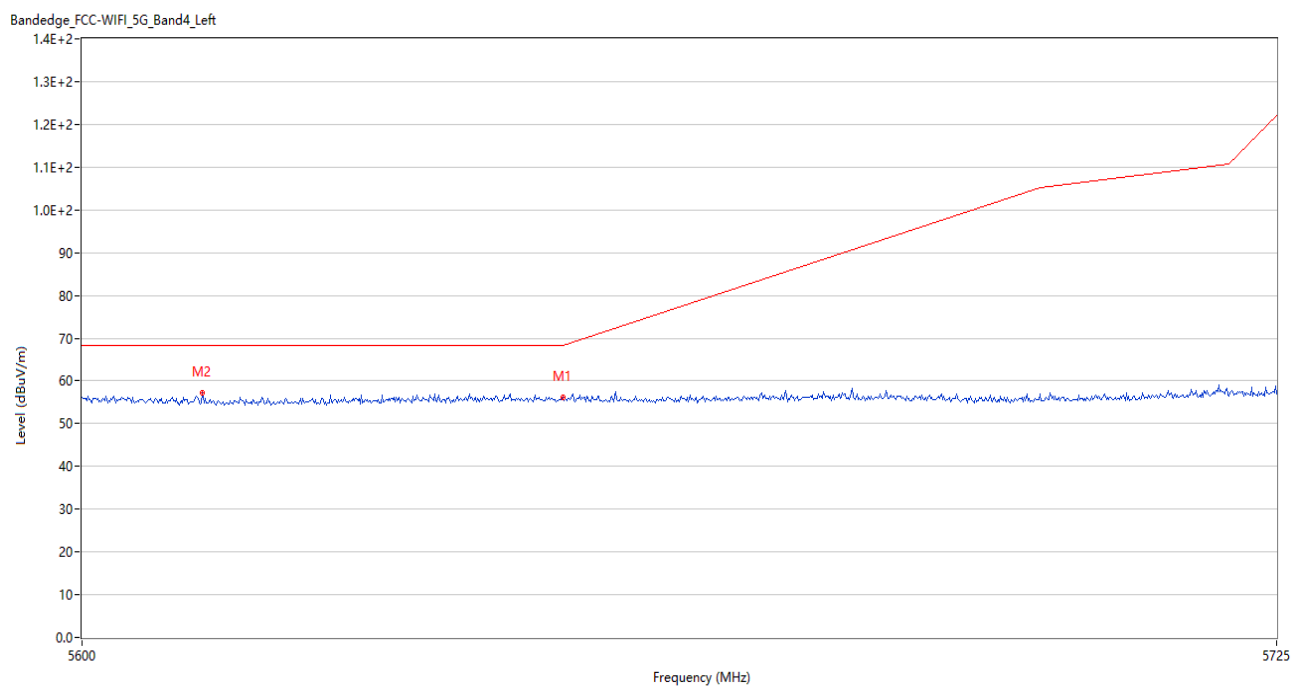
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	55.97	3.81	68.2	12.23	Peak	58.24	150	Horizontal	Pass
2	5641.375	57.10	3.74	68.2	11.10	Peak	0.00	150	Horizontal	Pass

U-NII-3 11ax20 (SU) CH165



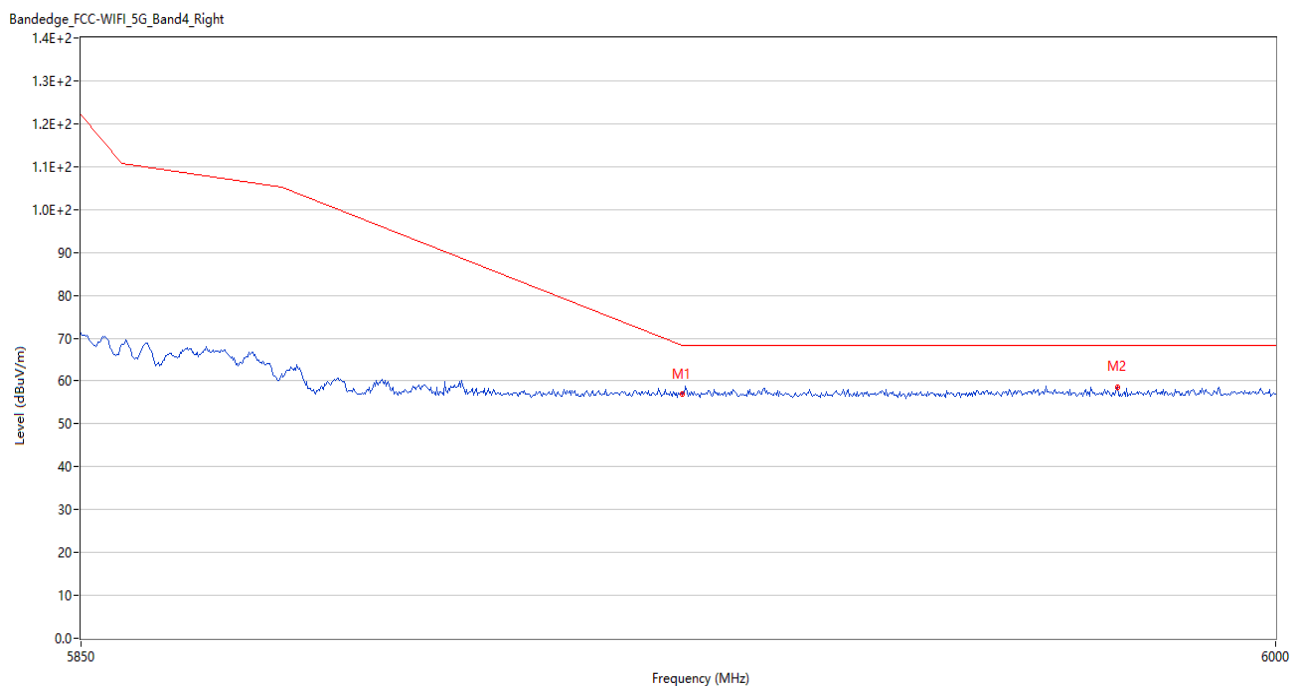
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	57.06	6.44	68.2	11.14	Peak	130.10	150	Horizontal	Pass
2	5928.150	58.60	6.37	68.2	9.60	Peak	272.00	150	Horizontal	Pass

U-NII-3 11ax40 (SU) CH151



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5650.000	56.12	3.81	68.2	12.08	Peak	203.79	150	Vertical	Pass
2	5612.500	57.27	3.61	68.2	10.93	Peak	13.00	150	Vertical	Pass

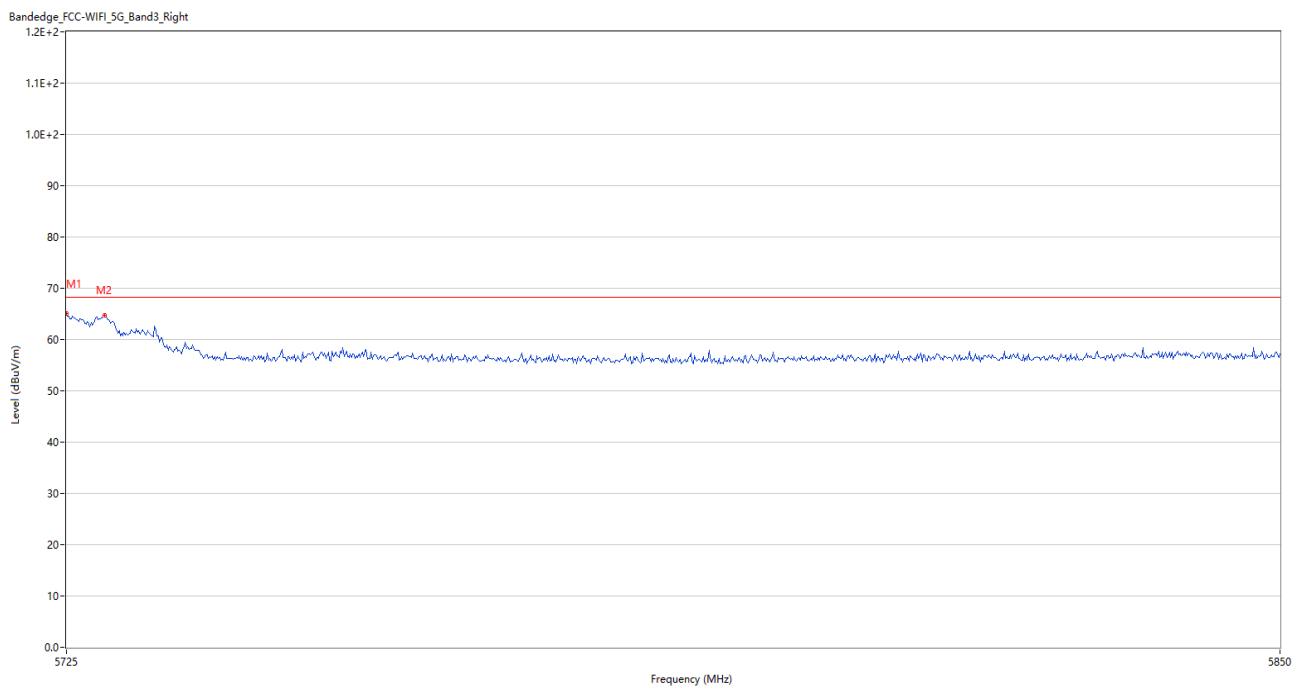
U-NII-3 11ax40 (SU) CH159



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5925.000	56.83	6.44	68.2	11.37	Peak	359.56	150	Vertical	Pass
2	5979.900	58.66	6.04	68.2	9.54	Peak	28.00	150	Vertical	Pass

Plan C

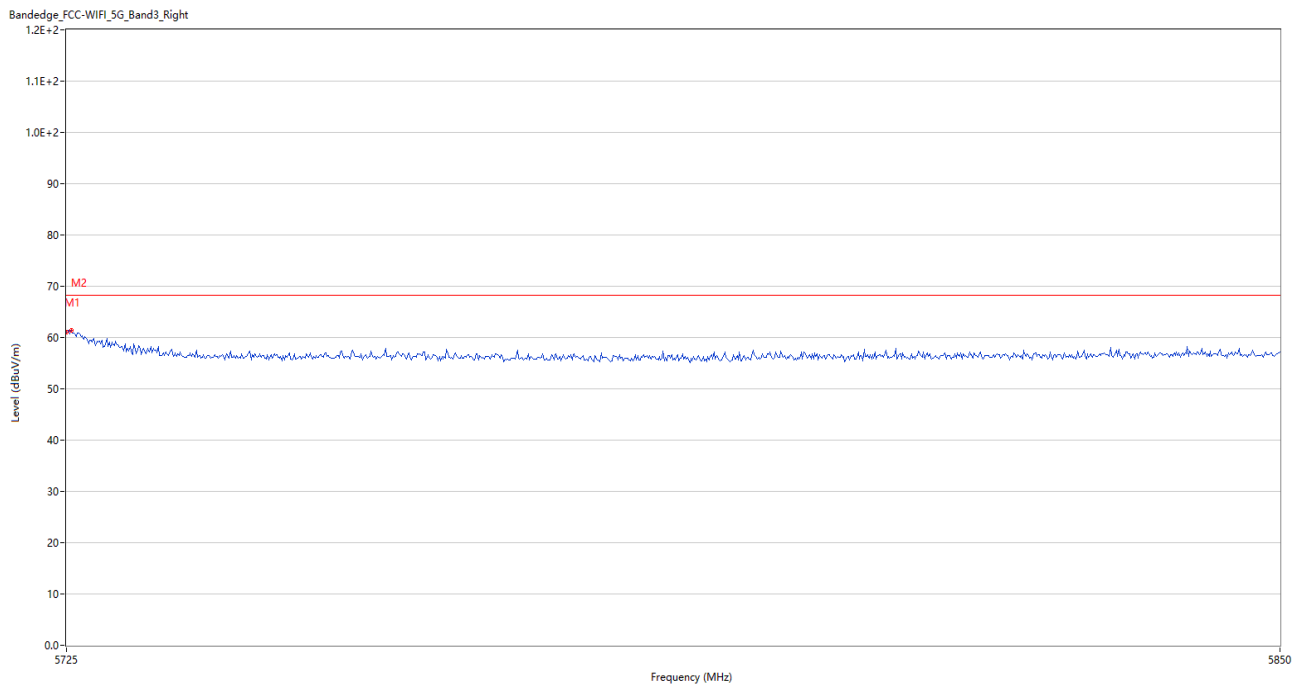
U-NII-2C 11ax40 (SU) CH134



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	65.05	4.31	68.2	3.15	Peak	209.00	150	Horizontal	Pass
2	5728.875	64.69	4.20	68.2	3.51	Peak	266.00	150	Horizontal	Pass

Plan D

U-NII-2C 11ax40 (SU) CH134



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	61.10	4.31	68.2	7.10	Peak	264.00	150	Horizontal	Pass
2	5725.500	61.47	4.29	68.2	6.73	Peak	262.00	150	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SH25B1254-AR-1.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SH25B1254-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SH25B1254-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.
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6. Any objection shall be raised to the Testing Center within 30 days after receiving the report.

--END OF REPORT--