

TEST REPORT

Applicant: DONGFENG MOTOR GROUP CO., LTD.
Address: No. 663 Zhushanhu Avenue, Wuhan Economic and Technological Development Zone, Wuhan City, Hubei Province
Equipment Type: In-Vehicle Infotainment
Model Name: IVI2.0-8675
Brand Name: DONGFENG
FCC ID: 2BWZZ-IVI2-8675
Test Standard: 47 CFR Part 15 Subpart E (refer to section 3.1)
Sample Arrival Date: Jul. 02, 2026
Test Date: Jul. 03, 2026 - Jul. 07, 2026
Date of Issue: Jul. 17, 2026

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

**Tested by:** Julie zhu**Checked by:** Li Ganming**Approved by:** Tolan Tu
(Testing Director)*Julie zhu**Li Ganming**Tolan Tu*

Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Jul. 17, 2026</u>	<u>Initial Issue</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shenzhen BALUN Technology Co., Ltd.
Address	601, Building 2, Intelligent Connected Vehicle Industrial Park, No.55, Xiangshan Road, Luotian Community, Yanluo Sub-district, Bao'an District, Shenzhen
Phone Number	+86 755 6685 0100

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☒ Building 2, Intelligent Connected Vehicle Industrial Park, No.55, Xiangshan Road, Luotian Community, Yanluo Sub-district, Bao'an District, Shenzhen, Guangdong
	☐ 1/F., Building B, Ganghongji High-Tech Intelligent Industrial Park, No.1008, Songbai Road, Yangguang Community, Xili Subdistrict, Nanshan District, Shenzhen, Guangdong
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	DONGFENG MOTOR GROUP CO., LTD.
Address	No. 663 Zhushanhu Avenue, Wuhan Economic and Technological Development Zone, Wuhan City, Hubei Province

2.2 Manufacturer Information

Manufacturer	DONGFENG MOTOR GROUP CO., LTD.
Address	No. 663 Zhushanhu Avenue, Wuhan Economic and Technological Development Zone, Wuhan City, Hubei Province

2.3 General Description for Equipment under Test (EUT)

EUT Name	In-Vehicle Infotainment
Model Name Under Test	IVI2.0-8675
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	H03.00.01.240821
Software Version	S05.21.00.260512
Dimensions (Approx.)	175*135*56mm
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	Bluetooth (BR+EDR+BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n(HT20/40), 802.11ac (VHT20/40/80)
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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	
Product Type	☒ Mobile ☐ Portable ☐ Fix Location	
Modulation technology	OFDM	
Modulation Type	256QAM, 64QAM, 16QAM, BPSK, QPSK	
Transfer Rate (Mbps) (Single RF path)	802.11a: 54/ 48/ 36/ 24/ 18/ 12/ 9/ 6 Mbps 802.11n: up to 150 Mbps 802.11ac: up to VHT-MCS9	
Channel Bandwidth	802.11a: 20 MHz 802.11n: 20 MHz, 40 MHz 802.11ac: 20 MHz, 40 MHz, 80 MHz	
Maximum Output Power	U-NII-1: 60.26 mW U-NII-2A: 60.39 mW U-NII-2C: 60.39 mW U-NII-3: 59.57 mW	
Antenna System (eg., MIMO, Smart Antenna)	Cyclic Delay Diversity (CDD) for 802.11a Multi Input Multi Output (MIMO) for 802.11n/ac	
Categorization as Correlated or Completely Uncorrelated	Categorization as Correlated for 802.11a Categorization as Uncorrelated for 802.11n/ac	
Antenna Type	ANT1	PCB Antenna
	ANT2	
Antenna Gain	ANT1	U-NII-1: 5150 MHz to 5250 MHz: 5.20 dBi U-NII-2A: 5250 MHz to 5350 MHz: 5.20 dBi U-NII-2C: 5470 MHz to 5725 MHz: 5.20 dBi U-NII-3: 5725 MHz to 5850 MHz: 5.20 dBi
	ANT2	U-NII-1: 5150 MHz to 5250 MHz: 4.60 dBi U-NII-2A: 5250 MHz to 5350 MHz: 4.60 dBi U-NII-2C: 5470 MHz to 5725 MHz: 4.60 dBi U-NII-3: 5725 MHz to 5850 MHz: 4.60 dBi
Total directional gain	For power spectral density (PSD) measurement	Correlated: U-NII-1: 5150 MHz to 5250 MHz: 7.92 dBi U-NII-2A: 5250 MHz to 5350 MHz: 7.92 dBi U-NII-2C: 5470 MHz to 5725 MHz: 7.92 dBi

	s	U-NII-3: 5725 MHz to 5850 MHz: 7.92 dBi Formulas: Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / NANT]$ dBi Uncorrelated: U-NII-1: 5150 MHz to 5250 MHz: 4.91 dBi U-NII-2A: 5250 MHz to 5350 MHz: 4.91 dBi U-NII-2C: 5470 MHz to 5725 MHz: 4.91 dBi U-NII-3: 5725 MHz to 5850 MHz: 4.91 dBi Formulas: Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10}) / NANT]$ dBi
	For power measurement s	Correlated: U-NII-1: 5150 MHz to 5250 MHz: 7.92 dBi U-NII-2A: 5250 MHz to 5350 MHz: 7.92 dBi U-NII-2C: 5470 MHz to 5725 MHz: 7.92 dBi U-NII-3: 5725 MHz to 5850 MHz: 7.92 dBi Formulas: Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / NANT]$ dBi Uncorrelated: U-NII-1: 5150 MHz to 5250 MHz: 4.91 dBi U-NII-2A: 5250 MHz to 5350 MHz: 4.91 dBi U-NII-2C: 5470 MHz to 5725 MHz: 4.91 dBi U-NII-3: 5725 MHz to 5850 MHz: 4.91 dBi Formulas: Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10}) / NANT]$ dBi
About the Product		The equipment is In-Vehicle Infotainment, intended for used with information technology equipment.

Mode	Antenna		
	ANT1	ANT2	MIMO
802.11a	√	√	√
802.11n20	√	√	√
802.11n40	√	√	√
802.11ac20	√	√	√
802.11ac40	√	√	√
802.11ac80	√	√	√
Note: All the configurations were tested, but only the worst data was shown in this report.			

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

2.5 Channel List

20 MHz		40 MHz		80 MHz	
Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)
36	5180	38	5190	42	5210
40	5200	46	5230	58	5290
44	5220	54	5270	106	5530
48	5240	62	5310	122	5610
52	5260	102	5510	155	5775
56	5280	110	5550		
60	5300	118	5590		
64	5320	126	5630		
100	5500	134	5670		
104	5520	151	5755		
108	5540	159	5795		
112	5560				
116	5580				
120	5600				
124	5620				
128	5640				
132	5660				
136	5680				
140	5700				
149	5745				
153	5765				
157	5785				
161	5805				
165	5825				

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

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

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

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

For 802.11n(HT40)/ac(VHT40)

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

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

For 802.11ac(VHT80)

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

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

Note: Preliminary tests were performed in different data rate in above table to find the worst radiated

emission. The data rate shown in the table below is the worst-case rate with respect to the specific test item. Investigation has been done on all the possible configurations for searching the worst cases. The following table is a list of the test modes shown in this test report.

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

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15 Subpart E	Unlicensed National Information Infrastructure Devices
2	KDB Publication 789033 D02v02r01	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
3	KDB Publication 662911 D01v02r01	Emissions Testing of Transmitters with Multiple Outputs in the Same Band (e.g., MIMO, Smart Antenna, etc)
4	ANSI C63.10-2020	American National Standard for Procedures for Compliance Testing of Unlicensed Wireless Devices

3.2 Test Verdict

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

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

Note ²: Under all normal operating conditions specified in the user manual, frequency stability can keep radiation within the operating frequency band.

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

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

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

Relative Humidity	46% to 62%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+20.1℃ to +25.4℃
Working Voltage of the EUT	NV (Normal Voltage)	12V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	KEYSIGHT	N9020A	MY56060183	2026.06.01	2027.05.31
Power Sensor	KEYSIGHT	U2063XA	MY58000247	2026.06.01	2027.05.31
Spectrum Analyzer	KEYSIGHT	N9020A	MY54432240	2026.03.24	2027.03.23
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9168	00884	2025.03.01	2028.02.29
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	01631	2025.02.22	2028.02.21
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2024.06.15	2027.06.14
Anechoic Chamber	EMC Electronic Co, Ltd	9m*6m*6m	213	2026.03.03	2028.03.02
Amplifier	COM-MV	LSCX_LNA1-12G-01	180602	2026.05.20	2027.05.19
Amplifier	COM-MV	XKu_LNA7-18G-01	180601	2026.05.20	2027.05.19
Amplifier	COM-MV	KA LNA18 40G-01	10248150	2025.12.04	2026.12.03
EMI Receiver	ROHDE&SCHWARZ	ESR7	103027	2025.10.30	2026.10.29
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2024.01.23	2027.01.22
Amplifier (30MHz-1GHz)	COM-MV	ZT30-1000M	B2018054558	2025.11.26	2026.11.25
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-40	101544	2025.10.30	2026.10.29

4.3 Test Software List

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

4.4 Measurement Uncertainty

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

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

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

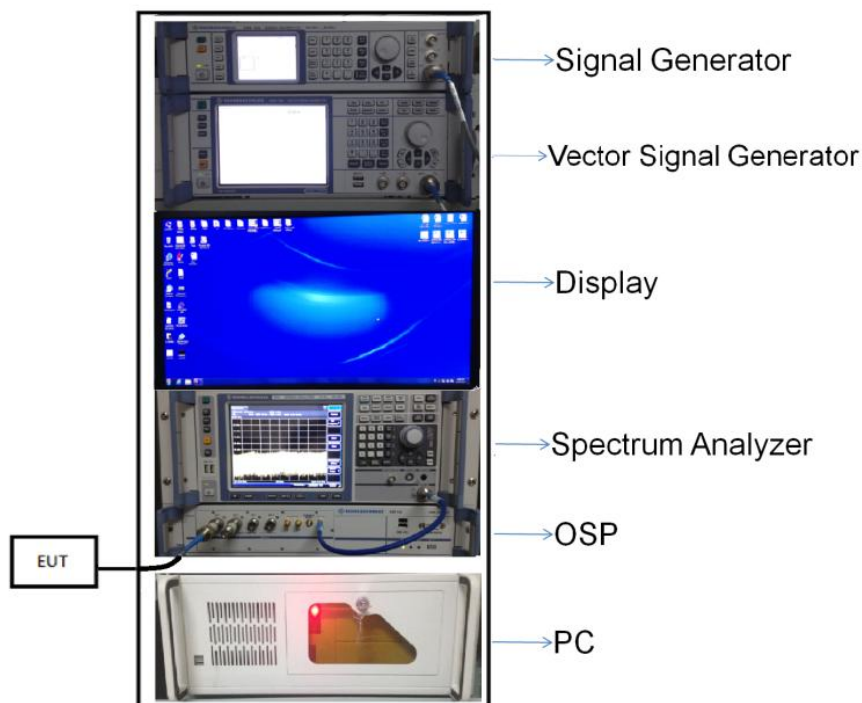
4.5 Description of Test Setup

4.5.1 For Antenna Port Test

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

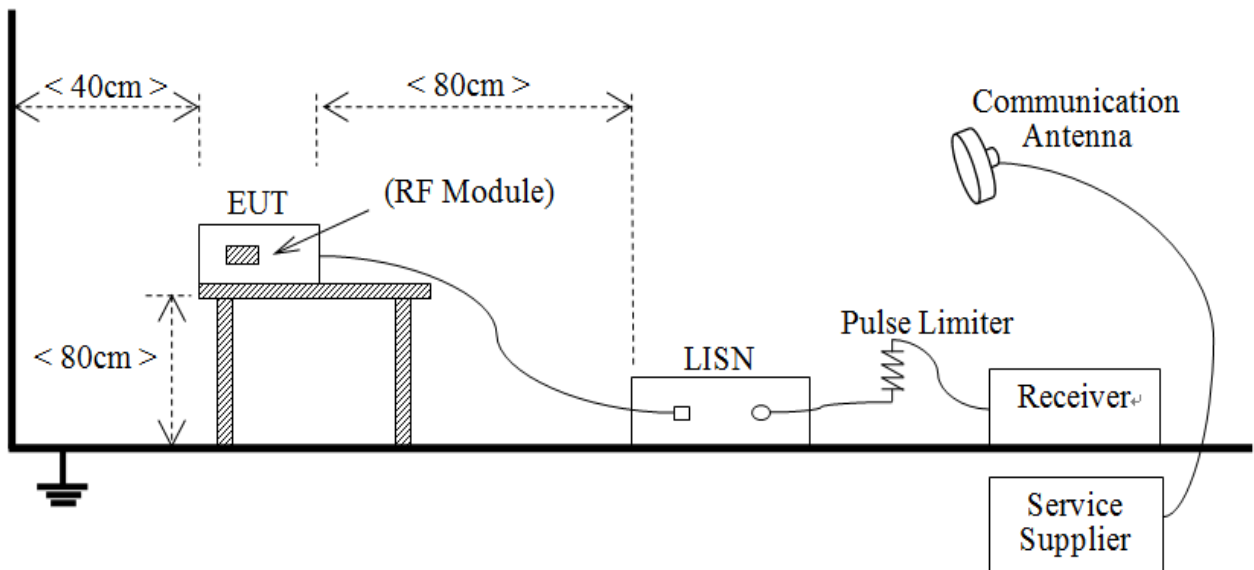
For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

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



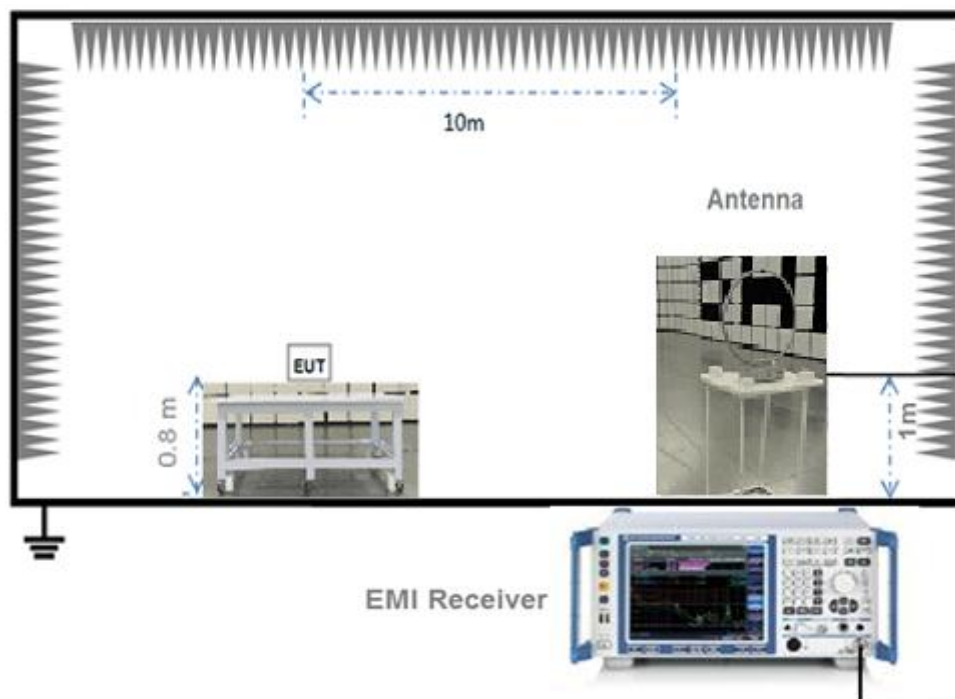
(Diagram 1)

4.5.2 For AC Power Supply Port Test



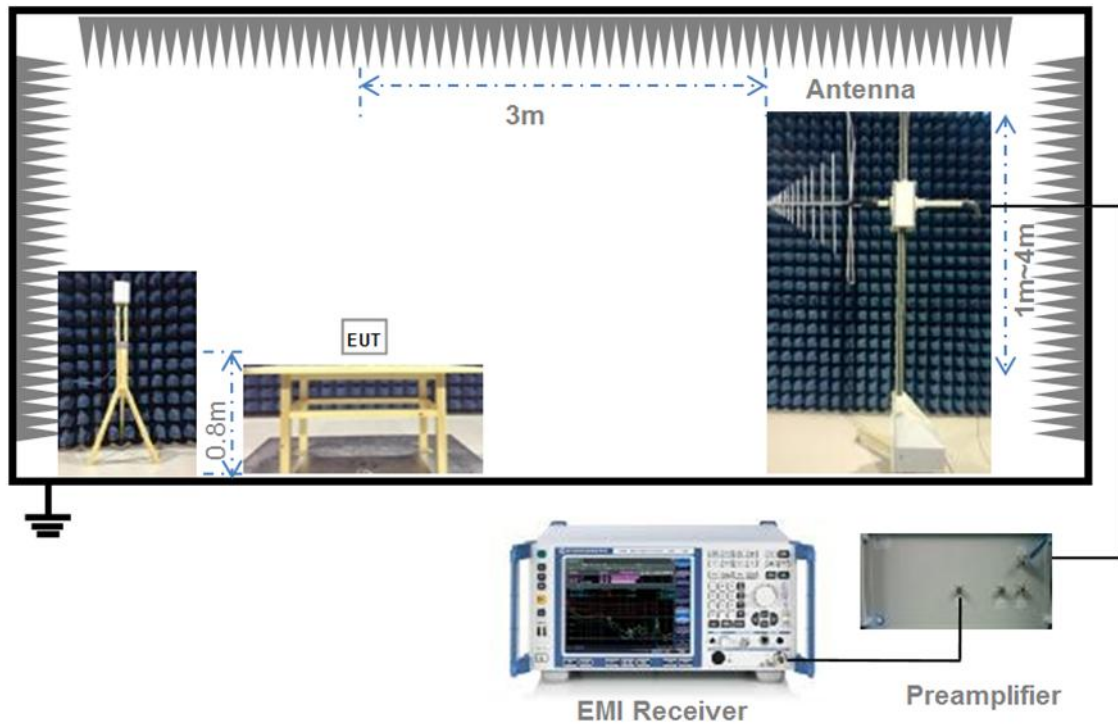
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



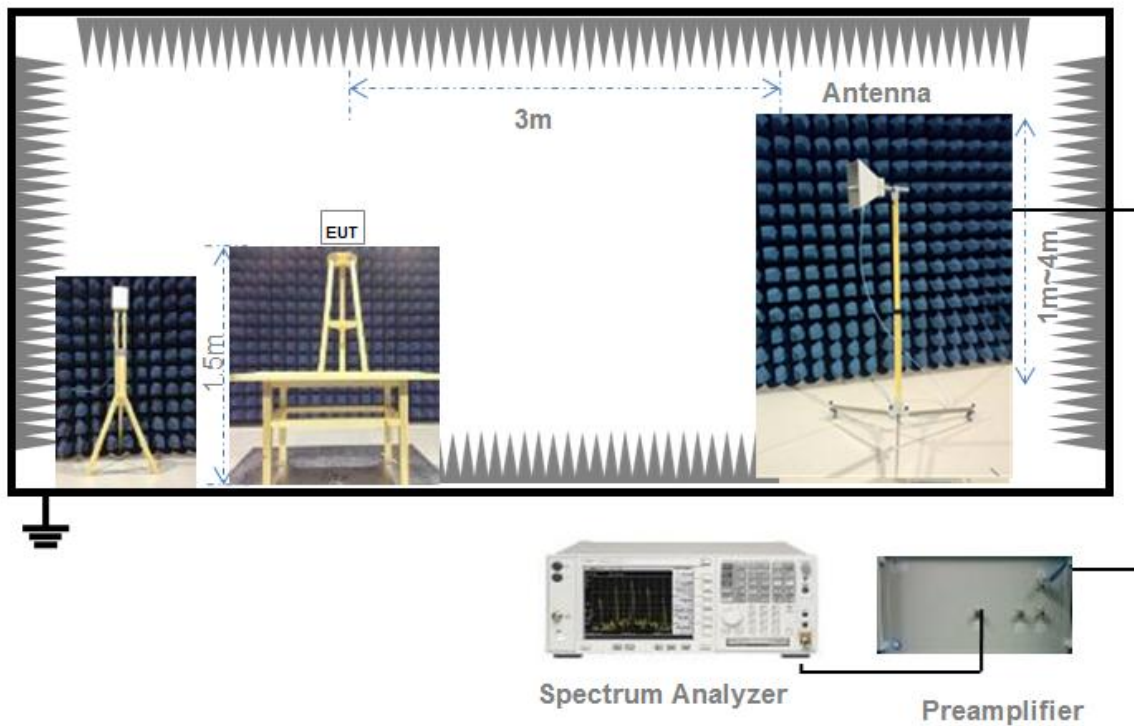
(Diagram 3)

4.5.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.5.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

5 TEST ITEMS

5.1 RF Output Power

5.1.1 Test Limit

FCC §15.407(a)

The maximum conducted output power should not exceed:

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

5.1.2 Test Setup

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

5.1.3 Test Procedure

Maximum conducted (average) output power

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

- 1) The EUT is configured to transmit continuously or to transmit with a constant duty cycle.
- 2) At all times when the EUT is transmitting, it shall be transmitting at its maximum power control level.
- 3) The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.

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

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

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

Measurements of duty cycle

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

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

Set RBW $\geq$ 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 C63.10 or the latest CISPR 16-1-4 for measurements above 1 GHz, so as to simulate a near free-space environment.

5.1.4 Test Result

Please refer to ANNEX A.1.

5.2 Emission Bandwidth and 6 dB Bandwidth

5.2.1 Limit

FCC §15.407(a)

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

5.2.2 Test Setup

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

5.2.3 Test Procedure

Emission bandwidth

1. Set RBW = approximately 1% of the emission bandwidth.
2. Set VBW $\geq$ RBW,
3. Detector = Peak.
4. Trace mode = Max hold.
5. Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

Occupied Bandwidth

1. Set center frequency to the nominal EUT channel center frequency.
2. Set Span = 1.5 times to 5.0 times the OBW.
3. Set RBW = 1% to 5% of the OBW.
4. Set VBW $\geq 3 \times$ RBW.
5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used. Use the 99% power bandwidth function of the instrument.
6. Use the 99% power bandwidth function of the instrument (if available).
7. If the instrument does not have a 99% power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.

6 dB bandwidth

Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 kHz for the band 5.725–5.85 GHz. The following procedure shall be used for measuring this bandwidth:

1. Set RBW = 100 kHz,
2. Set the video bandwidth (VBW) $\geq 3 \times \text{RBW}$.
3. Detector = Peak.
4. Trace mode = Max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

5.2.4 Test Result

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

5.3 Power Spectral density (PSD)

5.3.1 Limit

FCC §15.407(a)

The maximum power spectral density should not exceed:

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

5.3.2 Test Setup

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

5.3.3 Test Procedure

Set the spectrum analyzer or EMI receiver span to view the entire emission bandwidth:

1. Measure the duty cycle, x , of the transmitter output signal as described in II.B.
2. Set span to encompass the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal.
3. Set RBW = 510 kHz/1 MHz.
4. Set VBW $\geq 3 \times$ RBW.
5. Number of points in sweep $\geq 2 \times \text{span} / \text{RBW}$. (This ensures that bin-to-bin spacing is $\leq \text{RBW}/2$, so that narrowband signals are not lost between frequency bins.)
6. Sweep time = auto.
7. Detector = power averaging (rms), if available. Otherwise, use sample detector mode.
8. Do not use sweep triggering. Allow the sweep to "free run."
9. Trace average at least 100 traces in power averaging (rms) mode; however, the number of traces to be averaged shall be increased above 100 as needed to ensure that the average accurately represents the true average over the on and off periods of the transmitter.
10. Compute power by integrating the spectrum across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal using the instrument's band power measurement function with band limits set equal to the EBW (or occupied bandwidth) band edges. If the instrument does not have a band power function, sum the spectrum levels (in power units) at 1 MHz intervals extending across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal.
11. Add $10 \log (1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times (because the measurement represents an average over both the on and off times of the transmission). For example, add $10 \log (1/0.25) = 6 \text{ dB}$ if the duty cycle is 25%.

5.3.4 Test Result

Please refer to ANNEX A.4.

5.4 Conducted Emission

5.4.1 Limit

FCC §15.207

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

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

5.4.2 Test Setup

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

5.4.3 Test Procedure

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

5.4.4 Test Result

Please refer to ANNEX A.5.

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

5.5.1 Limit

FCC §15.209 & 15.407(b)

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

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

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

5.5.2 Test Setup

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

5.5.3 Test Procedure

Radiated Spurious Emissions:

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

- 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).
- 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)
- 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 $\geq 3 \times$ RBW.

c) Detector = Peak.

d) Sweep time = auto.

e) Trace mode = max hold.

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

Table 1—RBW as a function of frequency

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

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

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

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

- a) The EUT shall be configured to operate at the maximum achievable duty cycle.
- b) Measure the duty cycle, x , of the transmitter output signal as described in section 6.0.
- c) RBW = 1 MHz (unless otherwise specified).
- d) VBW $\geq 3 \times$ RBW.
- e) Detector = RMS, if $\text{span}/(\# \text{ of points in sweep}) \leq (\text{RBW}/2)$. Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak.
- f) Averaging type = power (i.e., RMS).
 - 1) As an alternative, the detector and averaging type may be set for linear voltage averaging.
 - 2) Some instruments require linear display mode in order to use linear voltage averaging. Log or dB averaging shall not be used.
- g) Sweep time = auto.
- h) Perform a trace average of at least 100 traces.
- i) A correction factor shall be added to the measurement results prior to comparing to the emission limit in order to compute the emission level that would have been measured had the test been performed at 100 percent duty cycle. The correction factor is computed as follows:
 - 1) If power averaging (RMS) mode was used in step f), then the applicable correction factor is $10 \log(1/x)$, where x is the duty cycle.
 - 2) If linear voltage averaging mode was used in step f), then the applicable correction factor is $20 \log(1/x)$, where x is the duty cycle.
 - 3) If a specific emission is demonstrated to be continuous (≥ 98 percent duty cycle) rather than turning on and off with the transmit cycle, then no duty cycle correction is required for that emission.

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

Determining the applicable transmit antenna gain

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

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

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

Radiated spurious emission test

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

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

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

The power of the EUT transmitting frequency should be ignored.

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

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

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

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

Band Edge (Restricted-band):

If the EUT can be configured or modified to transmit continuously ($D \geq 98\%$), measured using the following method (with EUT transmitting continuously):

Use the following spectrum analyzer settings:

Set instrument center frequency to the frequency of the emission to be measured (must be within 2 MHz of the authorized band-edge).

RBW = 100 kHz.

VBW $\geq [3 \times \text{RBW}]$.

Detector = Power averaging (rms), if $[\text{span} / (\# \text{ of points in sweep})] \leq (\text{RBW} / 2)$.

Averaging type = power (i.e., rms):

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

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

Sweep time = auto.

Perform a trace average of at least 100 traces.

Compute the power by integrating the spectrum over 1 MHz using the analyzer's band-power measurement function with band limits set equal to the emission frequency ($f_{\text{emission}} \pm 0.5 \text{ MHz}$). If the instrument does not have a band-power function, then sum the amplitude levels (in power units) at 100 kHz intervals extending across the 1 MHz spectrum defined by $f_{\text{emission}} \pm 0.5 \text{ MHz}$.

If continuous transmission of the EUT ($D \geq 98\%$) cannot be achieved and the duty cycle is constant (duty cycle variations are less $\pm 2\%$), then the following procedure may be used to measure the average power of unwanted emissions within 2 MHz of the authorized band-edge:

RBW = 100 kHz.

VBW $\geq [3 \times \text{RBW}]$.

Detector = Power averaging (rms), if $[\text{span} / (\# \text{ of points in sweep})] \leq (\text{RBW} / 2)$.

Averaging type = power (i.e., rms):

Detector = Power averaging (rms), if $[\text{span} / (\# \text{ of points in sweep})] \leq (\text{RBW} / 2)$. Satisfying this condition might 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.

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 to use linear voltage averaging. Log or dB averaging shall not be used.

Sweep time = auto.

Perform a trace average of at least 100 traces.

Compute the power by integrating the spectrum over 1 MHz using the instrument's band-power measurement function with band limits set equal to the emission frequency (f_{emission}) $\pm$ 0.5 MHz. If the spectrum analyzer does not have a band-power function, then sum the amplitude levels (in power units) at 100 kHz intervals extending across the 1 MHz spectrum defined by $f_{\text{emission}} \pm 0.5$ MHz.

A correction factor shall be added to the measurement results prior to comparing with the emission limit to compute the emission level that would have been measured had the test been performed at 100% 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

$[10 \log (1 / D)]$, where D is the duty cycle.

- 2) If linear voltage averaging mode was used in step f), then the applicable correction factor is

$[20 \log (1 / D)]$, where D is the duty cycle.

- 3) If a specific emission is demonstrated to be continuous ($D \geq 98\%$) rather than turning ON and OFF with the transmit cycle, then no duty cycle correction is required for that emission.

Reduction of the measured emission amplitude levels to account for operational duty cycle is not permitted. Determining compliance is based on emission levels occurring during transmission—it is not based on an average across ON and OFF times of the transmitter.

5.5.4 Test Result

Please refer to ANNEX A.6.

ANNEX A TEST RESULT

A.1 RF Output Power

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

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

Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle	Duty Factor
11a	1.39	1.43	97.41%	0.11
11n(HT20)/11ac(VHT20)	1.31	1.35	97.11%	0.13
11n(HT40)/11ac(VHT40)	0.65	0.69	94.88%	0.23
11ac(VHT80)	0.32	0.36	90.11%	0.45

Test DataConducted PowerANT1

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	14.42	27.67	250	Pass
11a	CH44	14.46	27.93	250	Pass
11a	CH48	14.84	30.48	250	Pass
11n(HT20)	CH36	14.46	27.93	250	Pass
11n(HT20)	CH44	14.45	27.86	250	Pass
11n(HT20)	CH48	14.70	29.51	250	Pass
11n(HT40)	CH38	14.43	27.73	250	Pass
11n(HT40)	CH46	14.49	28.12	250	Pass
11ac(VHT20)	CH36	14.46	27.93	250	Pass
11ac(VHT20)	CH44	14.52	28.31	250	Pass
11ac(VHT20)	CH48	14.72	29.65	250	Pass
11ac(VHT40)	CH38	14.43	27.73	250	Pass
11ac(VHT40)	CH46	14.49	28.12	250	Pass
11ac(VHT80)	CH42	11.88	15.42	250	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH52	14.86	30.62	250	Pass
11a	CH60	14.47	27.99	250	Pass
11a	CH64	14.42	27.67	250	Pass
11n(HT20)	CH52	14.71	29.58	250	Pass
11n(HT20)	CH60	14.35	27.23	250	Pass
11n(HT20)	CH64	14.29	26.85	250	Pass
11n(HT40)	CH54	14.74	29.79	250	Pass
11n(HT40)	CH62	12.97	19.82	250	Pass
11ac(VHT20)	CH52	14.72	29.65	250	Pass
11ac(VHT20)	CH60	14.28	26.79	250	Pass
11ac(VHT20)	CH64	14.33	27.10	250	Pass
11ac(VHT40)	CH54	14.71	29.58	250	Pass
11ac(VHT40)	CH62	13.00	19.95	250	Pass
11ac(VHT80)	CH58	11.38	13.74	250	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH100	14.47	27.99	250	Pass
11a	CH116	14.83	30.41	250	Pass
11a	CH140	14.90	30.90	250	Pass
11n(HT20)	CH100	14.85	30.55	250	Pass
11n(HT20)	CH116	14.73	29.72	250	Pass
11n(HT20)	CH140	14.80	30.20	250	Pass
11n(HT40)	CH102	14.55	28.51	250	Pass
11n(HT40)	CH118	14.77	29.99	250	Pass
11n(HT40)	CH134	14.88	30.76	250	Pass
11ac(VHT20)	CH100	14.85	30.55	250	Pass
11ac(VHT20)	CH116	14.70	29.51	250	Pass
11ac(VHT20)	CH140	14.84	30.48	250	Pass
11ac(VHT40)	CH102	14.51	28.25	250	Pass
11ac(VHT40)	CH118	14.73	29.72	250	Pass
11ac(VHT40)	CH134	14.83	30.41	250	Pass
11ac(VHT80)	CH106	14.24	26.55	250	Pass
11ac(VHT80)	CH122	14.31	26.98	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	14.16	26.06	1000	Pass
11a	CH157	14.42	27.67	1000	Pass
11a	CH165	14.40	27.54	1000	Pass
11n(HT20)	CH149	14.59	28.77	1000	Pass
11n(HT20)	CH157	14.27	26.73	1000	Pass
11n(HT20)	CH165	14.16	26.06	1000	Pass
11n(HT40)	CH151	14.51	28.25	1000	Pass
11n(HT40)	CH159	14.26	26.67	1000	Pass
11ac(VHT20)	CH149	14.52	28.31	1000	Pass
11ac(VHT20)	CH157	14.27	26.73	1000	Pass
11ac(VHT20)	CH165	14.18	26.18	1000	Pass
11ac(VHT40)	CH151	14.47	27.99	1000	Pass
11ac(VHT40)	CH159	14.78	30.06	1000	Pass
11ac(VHT80)	CH155	14.39	27.48	1000	Pass

ANT2

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	14.54	28.44	250	Pass
11a	CH44	14.16	26.06	250	Pass
11a	CH48	14.74	29.79	250	Pass
11n(HT20)	CH36	14.48	28.05	250	Pass
11n(HT20)	CH44	14.27	26.73	250	Pass
11n(HT20)	CH48	14.73	29.72	250	Pass
11n(HT40)	CH38	13.32	21.48	250	Pass
11n(HT40)	CH46	14.14	25.94	250	Pass
11ac(VHT20)	CH36	14.68	29.38	250	Pass
11ac(VHT20)	CH44	14.23	26.49	250	Pass
11ac(VHT20)	CH48	14.38	27.42	250	Pass
11ac(VHT40)	CH38	13.33	21.53	250	Pass
11ac(VHT40)	CH46	14.26	26.67	250	Pass
11ac(VHT80)	CH42	10.59	11.46	250	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH52	14.73	29.72	250	Pass
11a	CH60	14.49	28.12	250	Pass
11a	CH64	14.49	28.12	250	Pass
11n(HT20)	CH52	14.68	29.38	250	Pass
11n(HT20)	CH60	14.35	27.23	250	Pass
11n(HT20)	CH64	14.51	28.25	250	Pass
11n(HT40)	CH54	14.67	29.31	250	Pass
11n(HT40)	CH62	12.48	17.70	250	Pass
11ac(VHT20)	CH52	14.66	29.24	250	Pass
11ac(VHT20)	CH60	14.45	27.86	250	Pass
11ac(VHT20)	CH64	14.44	27.80	250	Pass
11ac(VHT40)	CH54	14.65	29.17	250	Pass
11ac(VHT40)	CH62	12.48	17.70	250	Pass
11ac(VHT80)	CH58	10.81	12.05	250	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH100	14.89	30.83	250	Pass
11a	CH116	14.56	28.58	250	Pass
11a	CH140	14.61	28.91	250	Pass
11n(HT20)	CH100	14.72	29.65	250	Pass
11n(HT20)	CH116	14.19	26.24	250	Pass
11n(HT20)	CH140	14.67	29.31	250	Pass
11n(HT40)	CH102	14.67	29.31	250	Pass
11n(HT40)	CH118	14.36	27.29	250	Pass
11n(HT40)	CH134	14.72	29.65	250	Pass
11ac(VHT20)	CH100	14.65	29.17	250	Pass
11ac(VHT20)	CH116	14.23	26.49	250	Pass
11ac(VHT20)	CH140	14.67	29.31	250	Pass
11ac(VHT40)	CH102	14.72	29.65	250	Pass
11ac(VHT40)	CH118	14.36	27.29	250	Pass
11ac(VHT40)	CH134	14.74	29.79	250	Pass
11ac(VHT80)	CH106	14.22	26.42	250	Pass
11ac(VHT80)	CH122	14.57	28.64	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	14.56	28.58	1000	Pass
11a	CH157	14.51	28.25	1000	Pass
11a	CH165	14.84	30.48	1000	Pass
11n(HT20)	CH149	14.49	28.12	1000	Pass
11n(HT20)	CH157	14.26	26.67	1000	Pass
11n(HT20)	CH165	14.34	27.16	1000	Pass
11n(HT40)	CH151	14.53	28.38	1000	Pass
11n(HT40)	CH159	14.61	28.91	1000	Pass
11ac(VHT20)	CH149	14.49	28.12	1000	Pass
11ac(VHT20)	CH157	14.44	27.80	1000	Pass
11ac(VHT20)	CH165	14.85	30.55	1000	Pass
11ac(VHT40)	CH151	14.45	27.86	1000	Pass
11ac(VHT40)	CH159	14.69	29.44	1000	Pass
11ac(VHT80)	CH155	14.11	25.76	1000	Pass

MIMO

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	17.49	56.10	160.69	Pass
11a	CH44	17.32	53.95	160.69	Pass
11a	CH48	17.80	60.26	160.69	Pass
11n(HT20)	CH36	17.48	55.98	250	Pass
11n(HT20)	CH44	17.37	54.58	250	Pass
11n(HT20)	CH48	17.73	59.29	250	Pass
11n(HT40)	CH38	16.92	49.20	250	Pass
11n(HT40)	CH46	17.33	54.08	250	Pass
11ac(VHT20)	CH36	17.58	57.28	250	Pass
11ac(VHT20)	CH44	17.39	54.83	250	Pass
11ac(VHT20)	CH48	17.56	57.02	250	Pass
11ac(VHT40)	CH38	16.93	49.32	250	Pass
11ac(VHT40)	CH46	17.39	54.83	250	Pass
11ac(VHT80)	CH42	14.29	26.85	250	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH52	17.81	60.39	160.69	Pass
11a	CH60	17.49	56.10	160.69	Pass
11a	CH64	17.47	55.85	160.69	Pass
11n(HT20)	CH52	17.71	59.02	250	Pass
11n(HT20)	CH60	17.36	54.45	250	Pass
11n(HT20)	CH64	17.41	55.08	250	Pass
11n(HT40)	CH54	17.72	59.16	250	Pass
11n(HT40)	CH62	15.74	37.50	250	Pass
11ac(VHT20)	CH52	17.70	58.88	250	Pass
11ac(VHT20)	CH60	17.38	54.70	250	Pass
11ac(VHT20)	CH64	17.40	54.95	250	Pass
11ac(VHT40)	CH54	17.69	58.75	250	Pass
11ac(VHT40)	CH62	15.76	37.67	250	Pass
11ac(VHT80)	CH58	14.11	25.76	250	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH100	17.70	58.88	160.69	Pass
11a	CH116	17.71	59.02	160.69	Pass
11a	CH140	17.77	59.84	160.69	Pass
11n(HT20)	CH100	17.80	60.26	250	Pass
11n(HT20)	CH116	17.48	55.98	250	Pass
11n(HT20)	CH140	17.75	59.57	250	Pass
11n(HT40)	CH102	17.62	57.81	250	Pass
11n(HT40)	CH118	17.58	57.28	250	Pass
11n(HT40)	CH134	17.81	60.39	250	Pass
11ac(VHT20)	CH100	17.76	59.70	250	Pass
11ac(VHT20)	CH116	17.48	55.98	250	Pass
11ac(VHT20)	CH140	17.77	59.84	250	Pass
11ac(VHT40)	CH102	17.63	57.94	250	Pass
11ac(VHT40)	CH118	17.56	57.02	250	Pass
11ac(VHT40)	CH134	17.80	60.26	250	Pass
11ac(VHT80)	CH106	17.24	52.97	250	Pass
11ac(VHT80)	CH122	17.45	55.59	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	17.37	54.58	649.69	Pass
11a	CH157	17.48	55.98	649.69	Pass
11a	CH165	17.64	58.08	649.69	Pass
11n(HT20)	CH149	17.55	56.89	1000	Pass
11n(HT20)	CH157	17.28	53.46	1000	Pass
11n(HT20)	CH165	17.26	53.21	1000	Pass
11n(HT40)	CH151	17.53	56.62	1000	Pass
11n(HT40)	CH159	17.45	55.59	1000	Pass
11ac(VHT20)	CH149	17.52	56.49	1000	Pass
11ac(VHT20)	CH157	17.37	54.58	1000	Pass
11ac(VHT20)	CH165	17.54	56.75	1000	Pass
11ac(VHT40)	CH151	17.47	55.85	1000	Pass
11ac(VHT40)	CH159	17.75	59.57	1000	Pass
11ac(VHT80)	CH155	17.26	53.21	1000	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note ¹: Test plots please refer to the document “Annex No.: Ti-AT26070074-604 Data Part 1.pdf”.

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

Test Data

ANT1

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	20.21	16.45
11a	CH44	20.20	16.43
11a	CH48	20.16	16.48
11n(HT20)	CH36	20.55	17.58
11n(HT20)	CH44	20.46	17.56
11n(HT20)	CH48	20.58	17.57
11n(HT40)	CH38	41.04	36.01
11n(HT40)	CH46	40.95	36.03
11ac(VHT20)	CH36	20.56	17.58
11ac(VHT20)	CH44	20.41	17.55
11ac(VHT20)	CH48	20.69	17.55
11ac(VHT40)	CH38	41.16	36.01
11ac(VHT40)	CH46	41.13	36.00
11ac(VHT80)	CH42	81.12	75.18

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	20.24	16.44
11a	CH60	20.18	16.47
11a	CH64	20.22	16.45
11n(HT20)	CH52	20.50	17.56
11n(HT20)	CH60	20.57	17.57
11n(HT20)	CH64	20.65	17.57
11n(HT40)	CH54	41.56	36.02
11n(HT40)	CH62	41.30	36.04
11ac(VHT20)	CH52	20.48	17.57
11ac(VHT20)	CH60	20.48	17.56
11ac(VHT20)	CH64	20.58	17.56
11ac(VHT40)	CH54	41.30	36.04
11ac(VHT40)	CH62	40.90	36.07
11ac(VHT80)	CH58	81.49	75.23

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	20.25	16.46
11a	CH116	20.19	16.46
11a	CH140	20.27	16.46
11n(HT20)	CH100	20.54	17.56
11n(HT20)	CH116	20.59	17.57
11n(HT20)	CH140	20.58	17.55
11n(HT40)	CH102	40.94	36.04
11n(HT40)	CH118	40.85	36.03
11n(HT40)	CH134	41.57	36.03
11ac(VHT20)	CH100	20.56	17.57
11ac(VHT20)	CH116	20.56	17.57
11ac(VHT20)	CH140	20.56	17.57
11ac(VHT40)	CH102	41.06	36.01
11ac(VHT40)	CH118	41.08	36.03
11ac(VHT40)	CH134	41.24	35.96
11ac(VHT80)	CH106	81.37	75.18
11ac(VHT80)	CH122	81.98	75.24

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	20.27	16.48
11a	CH157	20.36	16.47
11a	CH165	20.19	16.45
11n(HT20)	CH149	20.55	17.56
11n(HT20)	CH157	20.46	17.58
11n(HT20)	CH165	20.58	17.58
11n(HT40)	CH151	41.36	36.05
11n(HT40)	CH159	41.27	36.03
11ac(VHT20)	CH149	20.52	17.55
11ac(VHT20)	CH157	20.50	17.57
11ac(VHT20)	CH165	20.55	17.56
11ac(VHT40)	CH151	41.39	35.98
11ac(VHT40)	CH159	40.97	36.03
11ac(VHT80)	CH155	81.51	75.12

ANT2

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	20.06	16.40
11a	CH44	20.03	16.41
11a	CH48	19.98	16.42
11n(HT20)	CH36	20.24	17.59
11n(HT20)	CH44	20.27	17.59
11n(HT20)	CH48	20.46	17.59
11n(HT40)	CH38	40.65	35.99
11n(HT40)	CH46	40.70	35.90
11ac(VHT20)	CH36	20.31	17.57
11ac(VHT20)	CH44	20.41	17.57
11ac(VHT20)	CH48	20.36	17.58
11ac(VHT40)	CH38	40.68	35.95
11ac(VHT40)	CH46	40.51	35.98
11ac(VHT80)	CH42	81.26	75.10

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	19.91	16.41
11a	CH60	20.03	16.41
11a	CH64	20.03	16.39
11n(HT20)	CH52	20.39	17.58
11n(HT20)	CH60	20.50	17.60
11n(HT20)	CH64	20.25	17.59
11n(HT40)	CH54	40.62	36.05
11n(HT40)	CH62	40.79	36.02
11ac(VHT20)	CH52	20.35	17.59
11ac(VHT20)	CH60	20.33	17.60
11ac(VHT20)	CH64	20.29	17.58
11ac(VHT40)	CH54	40.52	35.97
11ac(VHT40)	CH62	40.50	35.99
11ac(VHT80)	CH58	85.19	75.17

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	19.96	16.40
11a	CH116	20.06	16.40
11a	CH140	19.95	16.40
11n(HT20)	CH100	20.28	17.56
11n(HT20)	CH116	20.31	17.58
11n(HT20)	CH140	20.17	17.59
11n(HT40)	CH102	40.50	35.94
11n(HT40)	CH118	40.43	35.95
11n(HT40)	CH134	40.44	36.01
11ac(VHT20)	CH100	20.22	17.56
11ac(VHT20)	CH116	20.41	17.57
11ac(VHT20)	CH140	20.30	17.57
11ac(VHT40)	CH102	40.55	35.93
11ac(VHT40)	CH118	40.59	36.94
11ac(VHT40)	CH134	40.58	35.94
11ac(VHT80)	CH106	81.48	75.14
11ac(VHT80)	CH122	81.16	75.03

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	20.10	16.41
11a	CH157	20.01	16.42
11a	CH165	19.91	16.40
11n(HT20)	CH149	20.35	17.59
11n(HT20)	CH157	20.22	17.59
11n(HT20)	CH165	20.35	17.59
11n(HT40)	CH151	40.66	35.99
11n(HT40)	CH159	40.94	36.00
11ac(VHT20)	CH149	20.44	17.57
11ac(VHT20)	CH157	20.26	17.58
11ac(VHT20)	CH165	20.30	17.57
11ac(VHT40)	CH151	40.45	35.95
11ac(VHT40)	CH159	40.90	35.96
11ac(VHT80)	CH155	81.29	75.05

A.3 6 dB Bandwidth

Note ¹: Test plots please refer to the document “Annex No.: Ti-AT26070074-604 Data Part 2.pdf”.

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

Test Data

ANT1

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	15.60	500.00	Pass
11a	CH157	15.20	500.00	Pass
11a	CH165	15.30	500.00	Pass
11n(HT20)	CH149	15.30	500.00	Pass
11n(HT20)	CH157	15.30	500.00	Pass
11n(HT20)	CH165	15.20	500.00	Pass
11n(HT40)	CH151	35.30	500.00	Pass
11n(HT40)	CH159	35.30	500.00	Pass
11ac(VHT20)	CH149	15.20	500.00	Pass
11ac(VHT20)	CH157	14.10	500.00	Pass
11ac(VHT20)	CH165	15.30	500.00	Pass
11ac(VHT40)	CH151	35.40	500.00	Pass
11ac(VHT40)	CH159	35.30	500.00	Pass
11ac(VHT80)	CH155	75.20	500.00	Pass

ANT2

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	15.20	500.00	Pass
11a	CH157	15.30	500.00	Pass
11a	CH165	16.10	500.00	Pass
11n(HT20)	CH149	15.90	500.00	Pass
11n(HT20)	CH157	17.10	500.00	Pass
11n(HT20)	CH165	15.30	500.00	Pass
11n(HT40)	CH151	35.20	500.00	Pass
11n(HT40)	CH159	35.30	500.00	Pass
11ac(VHT20)	CH149	15.30	500.00	Pass
11ac(VHT20)	CH157	15.20	500.00	Pass
11ac(VHT20)	CH165	15.80	500.00	Pass
11ac(VHT40)	CH151	35.20	500.00	Pass
11ac(VHT40)	CH159	35.30	500.00	Pass
11ac(VHT80)	CH155	75.20	500.00	Pass

A.4 Power Spectral Density

Note ¹: Test plots please refer to the document “Annex No.: Ti-AT26070074-604 Data Part 3.pdf”.

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

Test Data

ANT1

U-NII-1 (5150 - 5250 MHz)						
Mode	Channel	Measured PSD (dBm/MHz)	Duty Factor	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH36	4.07	0.11	4.18	11.00	Pass
11a	CH44	4.12	0.11	4.24	11.00	Pass
11a	CH48	4.55	0.11	4.67	11.00	Pass
11n(HT20)	CH36	3.72	0.13	3.85	11.00	Pass
11n(HT20)	CH44	4.02	0.13	4.15	11.00	Pass
11n(HT20)	CH48	4.29	0.13	4.42	11.00	Pass
11n(HT40)	CH38	0.75	0.23	0.98	11.00	Pass
11n(HT40)	CH46	1.04	0.23	1.27	11.00	Pass
11ac(VHT20)	CH36	3.79	0.13	3.92	11.00	Pass
11ac(VHT20)	CH44	3.99	0.13	4.12	11.00	Pass
11ac(VHT20)	CH48	4.20	0.13	4.33	11.00	Pass
11ac(VHT40)	CH38	0.85	0.23	1.08	11.00	Pass
11ac(VHT40)	CH46	1.05	0.23	1.28	11.00	Pass
11ac(VHT80)	CH42	-1.69	0.45	-1.24	11.00	Pass

U-NII-2A (5250 - 5350 MHz)						
Mode	Channel	Measured PSD (dBm/MHz)	Duty Factor	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH52	4.54	0.11	4.65	11.00	Pass
11a	CH60	3.87	0.11	3.98	11.00	Pass
11a	CH64	3.93	0.11	4.05	11.00	Pass
11n(HT20)	CH52	4.19	0.13	4.32	11.00	Pass
11n(HT20)	CH60	3.61	0.13	3.74	11.00	Pass
11n(HT20)	CH64	3.62	0.13	3.75	11.00	Pass
11n(HT40)	CH54	1.27	0.23	1.50	11.00	Pass
11n(HT40)	CH62	0.75	0.23	0.98	11.00	Pass
11ac(VHT20)	CH52	4.15	0.13	4.28	11.00	Pass
11ac(VHT20)	CH60	3.56	0.13	3.69	11.00	Pass
11ac(VHT20)	CH64	6.63	0.13	6.76	11.00	Pass
11ac(VHT40)	CH54	1.20	0.23	1.43	11.00	Pass
11ac(VHT40)	CH62	0.76	0.23	0.99	11.00	Pass
11ac(VHT80)	CH58	-2.26	0.45	-1.81	11.00	Pass

U-NII-2C (5470 - 5725 MHz)						
Mode	Channel	Measured PSD (dBm/MHz)	Duty Factor	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH100	3.96	0.11	4.07	11.00	Pass
11a	CH116	4.33	0.11	4.45	11.00	Pass
11a	CH140	4.49	0.11	4.61	11.00	Pass
11n(HT20)	CH100	4.12	0.13	4.25	11.00	Pass
11n(HT20)	CH116	3.96	0.13	4.09	11.00	Pass
11n(HT20)	CH140	4.29	0.13	4.42	11.00	Pass
11n(HT40)	CH102	0.97	0.23	1.20	11.00	Pass
11n(HT40)	CH118	1.09	0.23	1.32	11.00	Pass
11n(HT40)	CH134	1.41	0.23	1.64	11.00	Pass
11ac(VHT20)	CH100	4.08	0.13	4.20	11.00	Pass
11ac(VHT20)	CH116	3.95	0.13	4.08	11.00	Pass
11ac(VHT20)	CH140	4.15	0.13	4.28	11.00	Pass
11ac(VHT40)	CH102	0.86	0.23	1.09	11.00	Pass
11ac(VHT40)	CH118	1.07	0.23	1.30	11.00	Pass
11ac(VHT40)	CH134	1.34	0.23	1.57	11.00	Pass
11ac(VHT80)	CH106	-2.26	0.45	-1.80	11.00	Pass
11ac(VHT80)	CH122	-1.95	0.45	-1.50	11.00	Pass

U-NII-3 (5725 - 5850 MHz)						
Mode	Channel	Measured PSD (dBm/500k Hz)	Duty Factor	PSD (dBm/500k Hz)	FCC Limit (dBm/500k Hz)	Verdict
11a	CH149	0.88	0.11	0.99	30.00	Pass
11a	CH157	1.25	0.11	1.37	30.00	Pass
11a	CH165	1.17	0.11	1.29	30.00	Pass
11n(HT20)	CH149	1.21	0.13	1.33	30.00	Pass
11n(HT20)	CH157	0.97	0.13	1.10	30.00	Pass
11n(HT20)	CH165	0.91	0.13	1.04	30.00	Pass
11n(HT40)	CH151	-1.81	0.23	-1.58	30.00	Pass
11n(HT40)	CH159	-1.89	0.23	-1.66	30.00	Pass
11ac(VHT20)	CH149	1.27	0.13	1.39	30.00	Pass
11ac(VHT20)	CH157	0.97	0.13	1.10	30.00	Pass
11ac(VHT20)	CH165	0.89	0.13	1.02	30.00	Pass
11ac(VHT40)	CH151	-1.88	0.23	-1.65	30.00	Pass
11ac(VHT40)	CH159	-1.43	0.23	-1.20	30.00	Pass
11ac(VHT80)	CH155	-4.72	0.45	-4.27	30.00	Pass

ANT2

U-NII-1 (5150 - 5250 MHz)						
Mode	Channel	Measured PSD (dBm/MHz)	Duty Factor	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH36	4.06	0.11	4.18	11.00	Pass
11a	CH44	3.53	0.11	3.65	11.00	Pass
11a	CH48	4.31	0.11	4.42	11.00	Pass
11n(HT20)	CH36	3.77	0.13	3.89	11.00	Pass
11n(HT20)	CH44	3.65	0.13	3.78	11.00	Pass
11n(HT20)	CH48	4.33	0.13	4.46	11.00	Pass
11n(HT40)	CH38	1.17	0.23	1.39	11.00	Pass
11n(HT40)	CH46	0.77	0.23	1.00	11.00	Pass
11ac(VHT20)	CH36	3.84	0.13	3.96	11.00	Pass
11ac(VHT20)	CH44	3.52	0.13	3.65	11.00	Pass
11ac(VHT20)	CH48	3.84	0.13	3.97	11.00	Pass
11ac(VHT40)	CH38	1.13	0.23	1.36	11.00	Pass
11ac(VHT40)	CH46	0.65	0.23	0.88	11.00	Pass
11ac(VHT80)	CH42	-1.76	0.45	-1.31	11.00	Pass

U-NII-2A (5250 - 5350 MHz)						
Mode	Channel	Measured PSD (dBm/MHz)	Duty Factor	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH52	4.16	0.11	4.27	11.00	Pass
11a	CH60	3.78	0.11	3.90	11.00	Pass
11a	CH64	3.96	0.11	4.07	11.00	Pass
11n(HT20)	CH52	3.84	0.13	3.96	11.00	Pass
11n(HT20)	CH60	3.52	0.13	3.65	11.00	Pass
11n(HT20)	CH64	3.72	0.13	3.85	11.00	Pass
11n(HT40)	CH54	0.98	0.23	1.21	11.00	Pass
11n(HT40)	CH62	0.69	0.23	0.92	11.00	Pass
11ac(VHT20)	CH52	3.89	0.13	4.02	11.00	Pass
11ac(VHT20)	CH60	3.42	0.13	3.54	11.00	Pass
11ac(VHT20)	CH64	3.68	0.13	3.81	11.00	Pass
11ac(VHT40)	CH54	1.00	0.23	1.23	11.00	Pass
11ac(VHT40)	CH62	0.75	0.23	0.98	11.00	Pass
11ac(VHT80)	CH58	-2.01	0.45	-1.56	11.00	Pass

U-NII-2C (5470 - 5725 MHz)						
Mode	Channel	Measured PSD (dBm/MHz)	Duty Factor	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH100	4.27	0.11	4.39	11.00	Pass
11a	CH116	3.74	0.11	3.86	11.00	Pass
11a	CH140	4.11	0.11	4.22	11.00	Pass
11n(HT20)	CH100	3.96	0.13	4.08	11.00	Pass
11n(HT20)	CH116	3.61	0.13	3.73	11.00	Pass
11n(HT20)	CH140	3.87	0.13	4.00	11.00	Pass
11n(HT40)	CH102	1.00	0.23	1.22	11.00	Pass
11n(HT40)	CH118	0.78	0.23	1.01	11.00	Pass
11n(HT40)	CH134	1.15	0.23	1.38	11.00	Pass
11ac(VHT20)	CH100	3.93	0.13	4.06	11.00	Pass
11ac(VHT20)	CH116	3.49	0.13	3.62	11.00	Pass
11ac(VHT20)	CH140	3.80	0.13	3.93	11.00	Pass
11ac(VHT40)	CH102	0.97	0.23	1.19	11.00	Pass
11ac(VHT40)	CH118	0.58	0.23	0.81	11.00	Pass
11ac(VHT40)	CH134	1.19	0.23	1.41	11.00	Pass
11ac(VHT80)	CH106	-2.43	0.45	-1.97	11.00	Pass
11ac(VHT80)	CH122	-1.73	0.45	-1.27	11.00	Pass

U-NII-3 (5725 - 5850 MHz)						
Mode	Channel	Measured PSD (dBm/500k Hz)	Duty Factor	PSD (dBm/500k Hz)	FCC Limit (dBm/500k Hz)	Verdict
11a	CH149	1.27	0.11	1.38	30.00	Pass
11a	CH157	1.40	0.11	1.52	30.00	Pass
11a	CH165	1.83	0.11	1.94	30.00	Pass
11n(HT20)	CH149	0.86	0.13	0.99	30.00	Pass
11n(HT20)	CH157	1.00	0.13	1.13	30.00	Pass
11n(HT20)	CH165	1.02	0.13	1.14	30.00	Pass
11n(HT40)	CH151	-1.81	0.23	-1.58	30.00	Pass
11n(HT40)	CH159	-1.62	0.23	-1.39	30.00	Pass
11ac(VHT20)	CH149	0.80	0.13	0.93	30.00	Pass
11ac(VHT20)	CH157	1.10	0.13	1.23	30.00	Pass
11ac(VHT20)	CH165	1.44	0.13	1.57	30.00	Pass
11ac(VHT40)	CH151	-1.86	0.23	-1.63	30.00	Pass
11ac(VHT40)	CH159	-1.43	0.23	-1.20	30.00	Pass
11ac(VHT80)	CH155	-5.07	0.45	-4.62	30.00	Pass

MIMO

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH36	7.19	9.08	Pass
11a	CH44	6.96	9.08	Pass
11a	CH48	7.56	9.08	Pass
11n(HT20)	CH36	6.88	11.00	Pass
11n(HT20)	CH44	6.98	11.00	Pass
11n(HT20)	CH48	7.45	11.00	Pass
11n(HT40)	CH38	4.20	11.00	Pass
11n(HT40)	CH46	4.15	11.00	Pass
11ac(VHT20)	CH36	6.95	11.00	Pass
11ac(VHT20)	CH44	6.90	11.00	Pass
11ac(VHT20)	CH48	7.16	11.00	Pass
11ac(VHT40)	CH38	4.23	11.00	Pass
11ac(VHT40)	CH46	4.10	11.00	Pass
11ac(VHT80)	CH42	1.74	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH52	7.48	9.08	Pass
11a	CH60	6.95	9.08	Pass
11a	CH64	7.07	9.08	Pass
11n(HT20)	CH52	7.15	11.00	Pass
11n(HT20)	CH60	6.70	11.00	Pass
11n(HT20)	CH64	6.81	11.00	Pass
11n(HT40)	CH54	4.37	11.00	Pass
11n(HT40)	CH62	3.96	11.00	Pass
11ac(VHT20)	CH52	7.16	11.00	Pass
11ac(VHT20)	CH60	6.63	11.00	Pass
11ac(VHT20)	CH64	8.54	11.00	Pass
11ac(VHT40)	CH54	4.34	11.00	Pass
11ac(VHT40)	CH62	3.99	11.00	Pass
11ac(VHT80)	CH58	1.33	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH100	7.24	9.08	Pass
11a	CH116	7.17	9.08	Pass
11a	CH140	7.43	9.08	Pass
11n(HT20)	CH100	7.18	11.00	Pass
11n(HT20)	CH116	6.92	11.00	Pass
11n(HT20)	CH140	7.23	11.00	Pass
11n(HT40)	CH102	4.22	11.00	Pass
11n(HT40)	CH118	4.18	11.00	Pass
11n(HT40)	CH134	4.52	11.00	Pass
11ac(VHT20)	CH100	7.14	11.00	Pass
11ac(VHT20)	CH116	6.87	11.00	Pass
11ac(VHT20)	CH140	7.12	11.00	Pass
11ac(VHT40)	CH102	4.15	11.00	Pass
11ac(VHT40)	CH118	4.07	11.00	Pass
11ac(VHT40)	CH134	4.50	11.00	Pass
11ac(VHT80)	CH106	1.12	11.00	Pass
11ac(VHT80)	CH122	1.63	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	FCC Limit (dBm/500kHz)	Verdict
11a	CH149	4.20	28.08	Pass
11a	CH157	4.45	28.08	Pass
11a	CH165	4.64	28.08	Pass
11n(HT20)	CH149	4.17	30.00	Pass
11n(HT20)	CH157	4.13	30.00	Pass
11n(HT20)	CH165	4.10	30.00	Pass
11n(HT40)	CH151	1.43	30.00	Pass
11n(HT40)	CH159	1.49	30.00	Pass
11ac(VHT20)	CH149	4.18	30.00	Pass
11ac(VHT20)	CH157	4.18	30.00	Pass
11ac(VHT20)	CH165	4.31	30.00	Pass
11ac(VHT40)	CH151	1.37	30.00	Pass
11ac(VHT40)	CH159	1.81	30.00	Pass
11ac(VHT80)	CH155	-1.43	30.00	Pass

A.5 Conducted Emissions

Note: Not applicable.

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

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

Note²: For the test data above 1 GHz, According the ANSI C63.10, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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

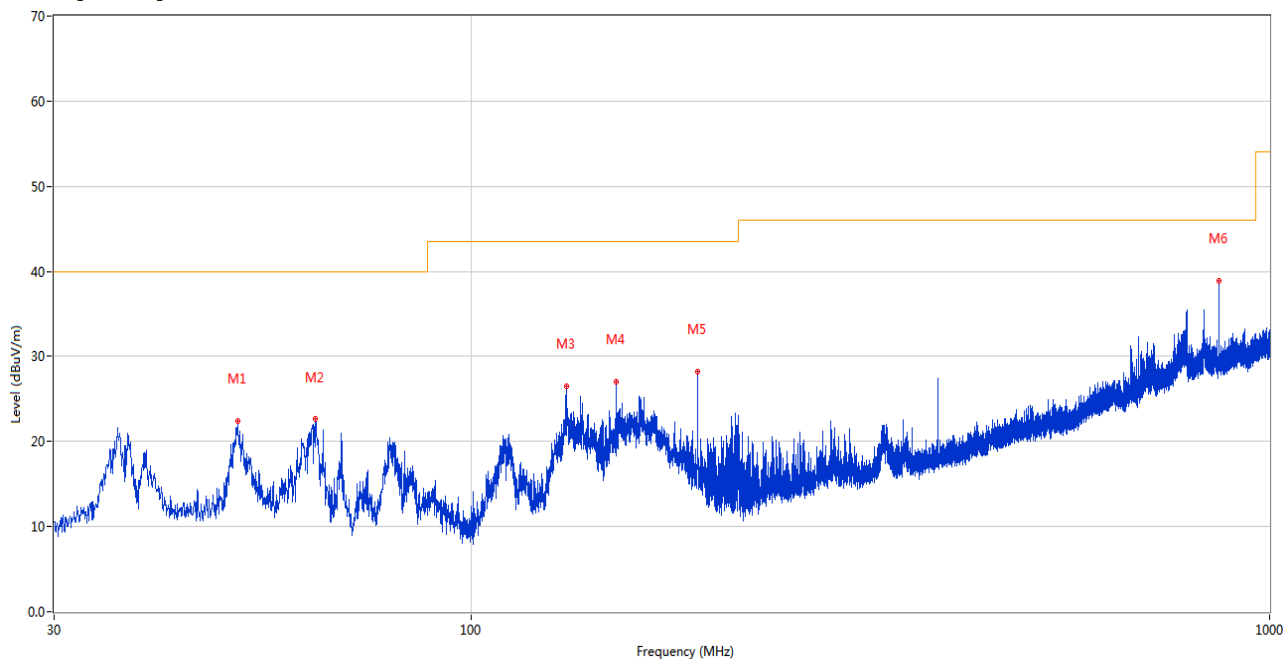
Note⁴: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.

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

Test Data and Plots

30 MHz to 1 GHz, ANT H

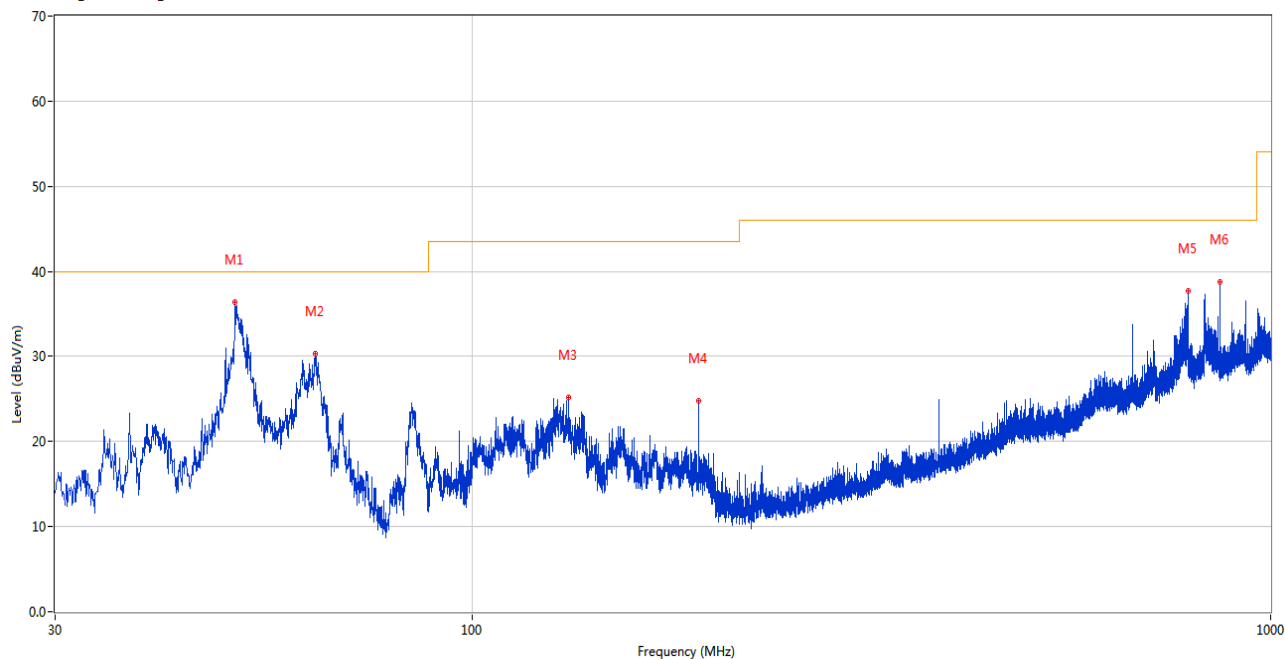
RE Test case_FCC Part 15C_FCC Part 15C-30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	50.952	22.47	-24.83	40.0	17.53	Peak	164.00	200	Horizontal	Pass
2	63.804	22.61	-26.15	40.0	17.39	Peak	335.00	200	Horizontal	Pass
3	131.413	26.49	-25.43	43.5	17.01	Peak	98.00	200	Horizontal	Pass
4	152.026	27.04	-23.61	43.5	16.46	Peak	107.00	200	Horizontal	Pass
5	192.038	28.24	-26.54	43.5	15.26	Peak	261.00	200	Horizontal	Pass
6	864.151	38.87	-8.97	46.0	7.13	Peak	243.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

RE Test case_FCC Part 15C_FCC Part 15C-30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	50.419	36.36	-24.81	40.0	3.64	Peak	116.00	100	Vertical	Pass
2	63.514	30.30	-26.09	40.0	9.70	Peak	25.00	100	Vertical	Pass
3	131.850	25.22	-25.35	43.5	18.28	Peak	360.00	100	Vertical	Pass
4	192.038	24.79	-26.54	43.5	18.71	Peak	360.00	100	Vertical	Pass
5	788.152	37.75	-9.59	46.0	8.25	Peak	207.00	100	Vertical	Pass
6	864.248	38.81	-8.97	46.0	7.19	Peak	296.00	100	Vertical	Pass

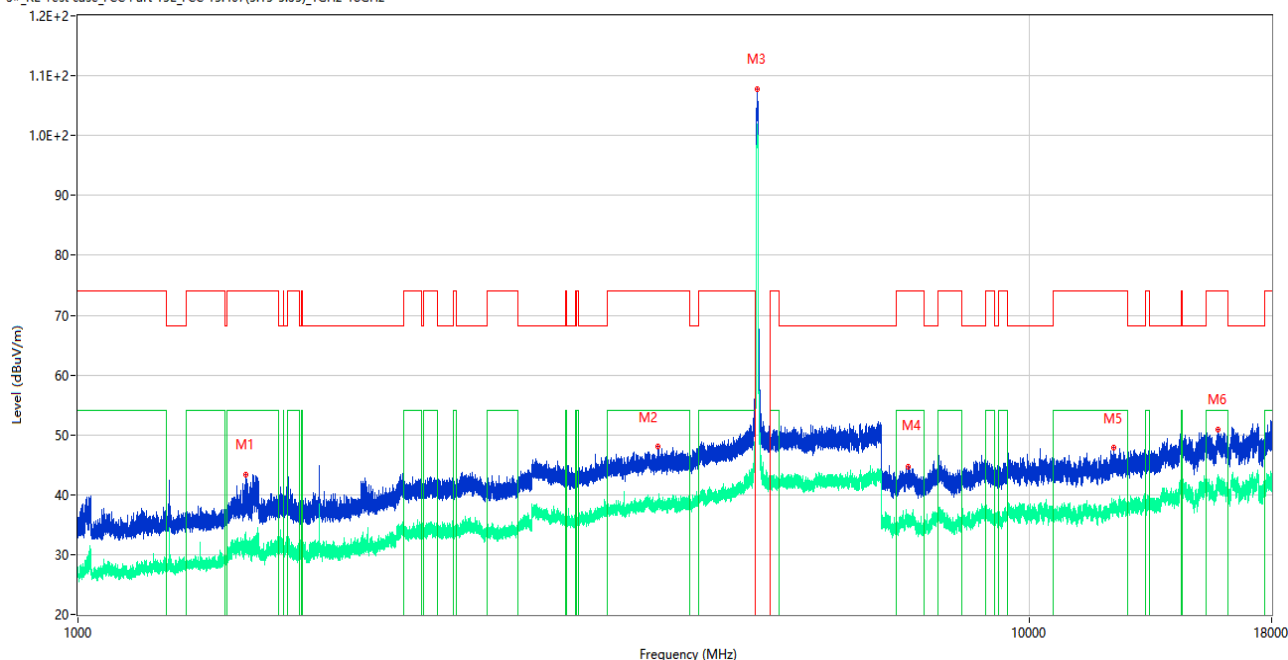
Note ¹: The spurious above 18G is noise only, do not show on the report.

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

MIMO

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

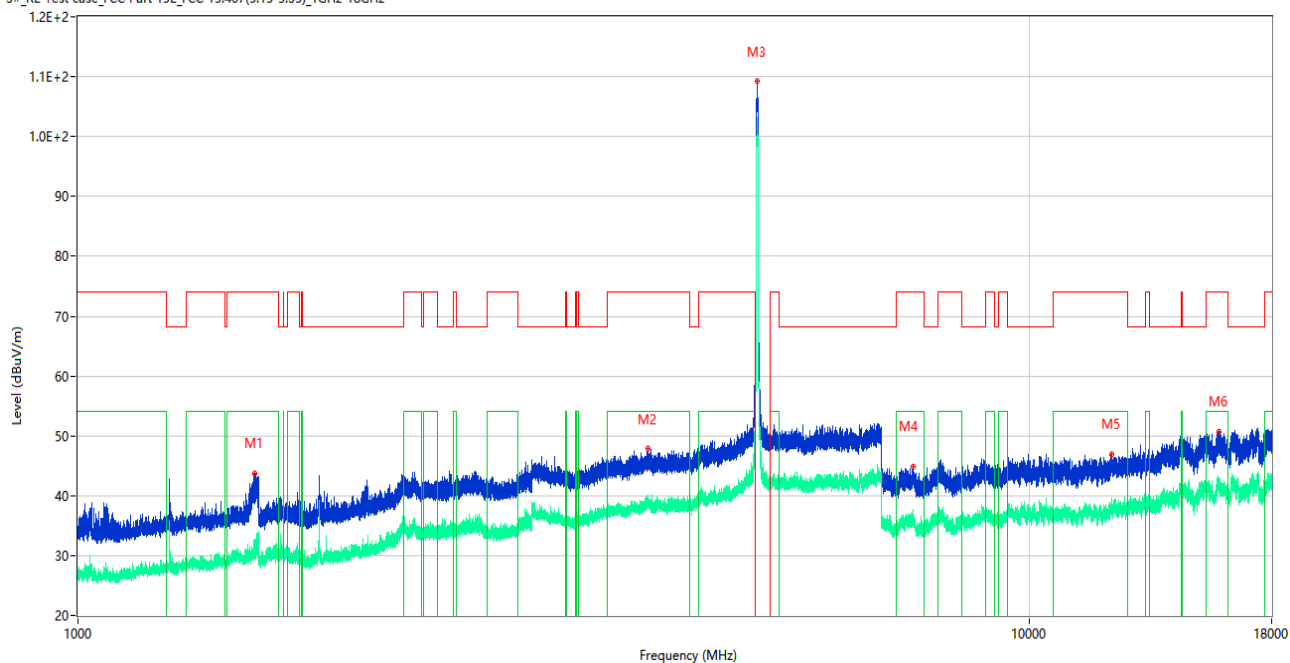
3#_RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1502.900	43.39	74.0	30.61	Peak	193.00	100	Horizontal	Pass
1**	1502.900	33.65	54.0	20.35	AV	193.00	100	Horizontal	Pass
2	4072.800	48.07	74.0	25.93	Peak	31.00	100	Horizontal	Pass
2**	4072.800	38.03	54.0	15.97	AV	31.00	100	Horizontal	Pass
3	5183.400	107.80	--	--	Peak	233.00	200	Horizontal	N/A
3**	5183.400	101.31	--	--	AV	233.00	200	Horizontal	N/A
4	7462.300	44.70	74.0	29.30	Peak	50.00	300	Horizontal	Pass
4**	7462.300	35.47	54.0	18.53	AV	50.00	300	Horizontal	Pass
5	12279.363	47.80	74.0	26.20	Peak	15.00	100	Horizontal	Pass
5**	12279.363	39.20	54.0	14.80	AV	15.00	100	Horizontal	Pass
6	15792.113	50.94	74.0	23.06	Peak	175.00	100	Horizontal	Pass
6**	15792.113	41.62	54.0	12.38	AV	175.00	100	Horizontal	Pass

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

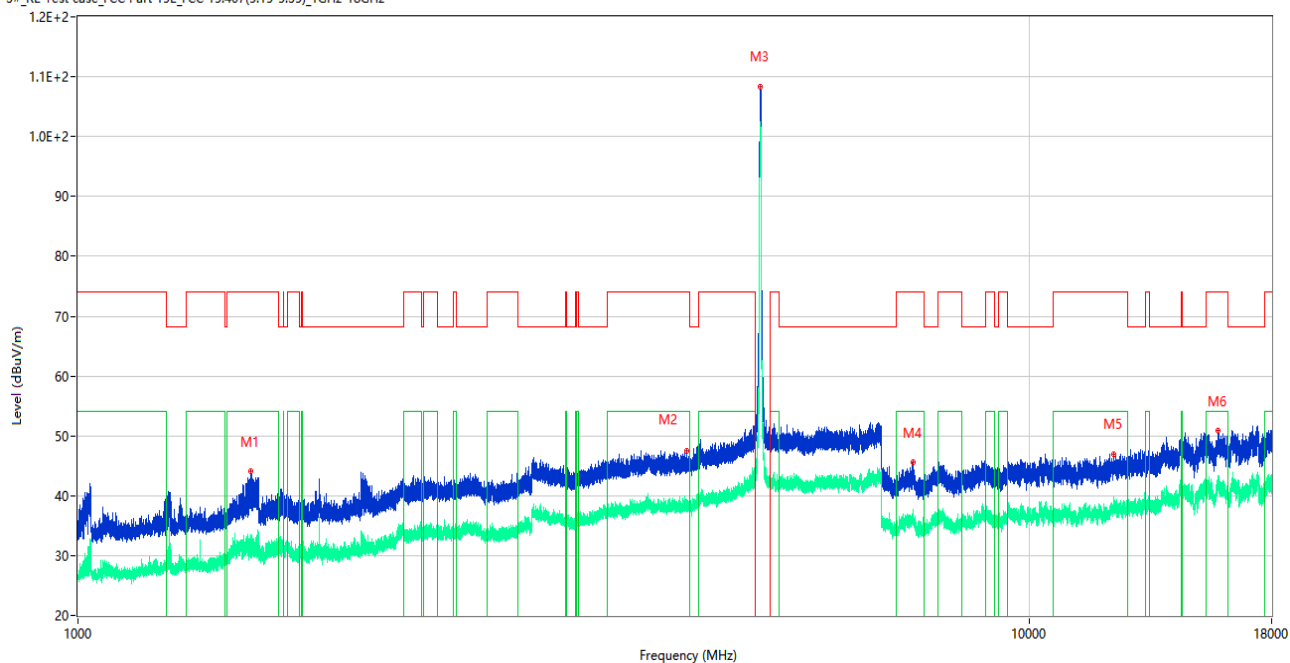
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1533.400	43.80	74.0	30.20	Peak	107.00	300	Vertical	Pass
1**	1533.400	31.05	54.0	22.95	AV	107.00	300	Vertical	Pass
2	3979.600	47.79	74.0	26.21	Peak	340.00	100	Vertical	Pass
2**	3979.600	38.67	54.0	15.33	AV	340.00	100	Vertical	Pass
3	5179.000	109.22	--	--	Peak	238.00	200	Vertical	N/A
3**	5179.000	102.27	--	--	AV	238.00	200	Vertical	N/A
4	7552.000	44.93	74.0	29.07	Peak	309.00	100	Vertical	Pass
4**	7552.000	36.25	54.0	17.75	AV	309.00	100	Vertical	Pass
5	12222.151	46.96	74.0	27.04	Peak	256.00	100	Vertical	Pass
5**	12222.151	37.54	54.0	16.46	AV	256.00	100	Vertical	Pass
6	15851.437	50.74	74.0	23.26	Peak	150.00	300	Vertical	Pass
6**	15851.437	41.56	54.0	12.44	AV	150.00	300	Vertical	Pass

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

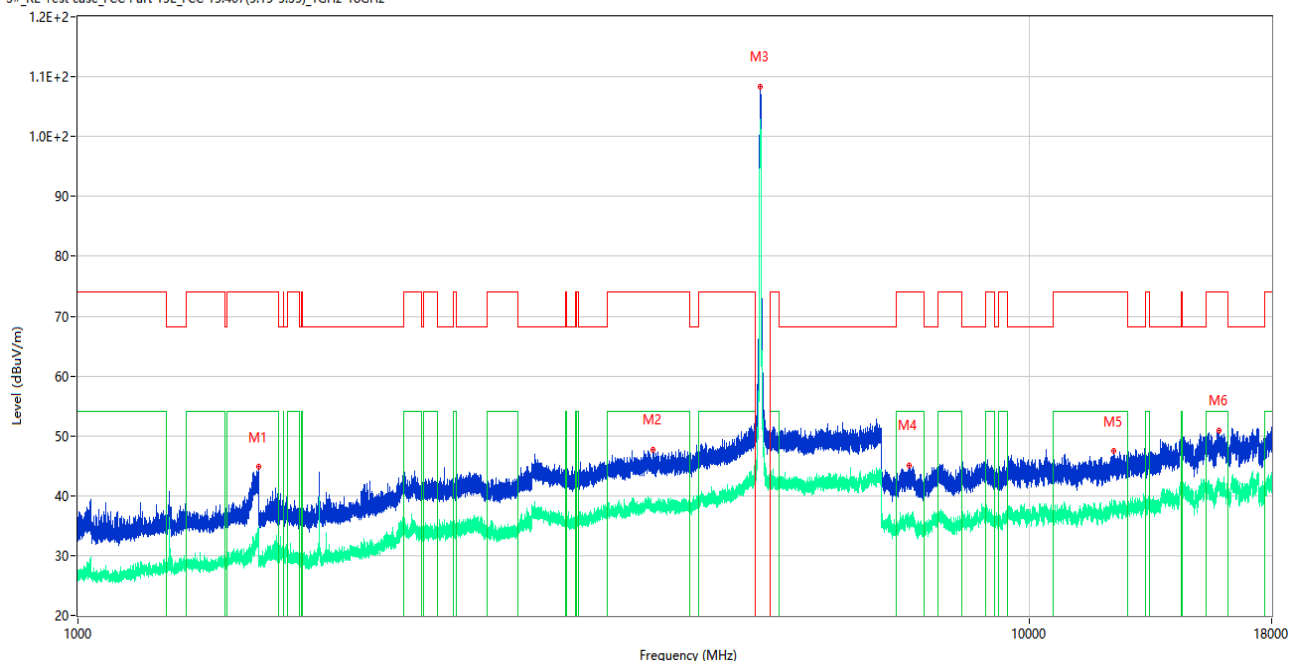
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1518.800	44.07	74.0	29.93	Peak	192.00	100	Horizontal	Pass
1**	1518.800	31.84	54.0	22.16	AV	192.00	100	Horizontal	Pass
2	4363.200	47.54	74.0	26.46	Peak	270.00	400	Horizontal	Pass
2**	4363.200	39.18	54.0	14.82	AV	270.00	400	Horizontal	Pass
3	5218.000	108.33	--	--	Peak	247.00	200	Horizontal	N/A
3**	5218.000	101.06	--	--	AV	247.00	200	Horizontal	N/A
4	7558.900	45.56	74.0	28.44	Peak	359.00	300	Horizontal	Pass
4**	7558.900	36.55	54.0	17.45	AV	359.00	300	Horizontal	Pass
5	12277.638	46.95	74.0	27.05	Peak	237.00	200	Horizontal	Pass
5**	12277.638	38.12	54.0	15.88	AV	237.00	200	Horizontal	Pass
6	15804.713	50.86	74.0	23.14	Peak	95.00	400	Horizontal	Pass
6**	15804.713	42.13	54.0	11.87	AV	95.00	400	Horizontal	Pass

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

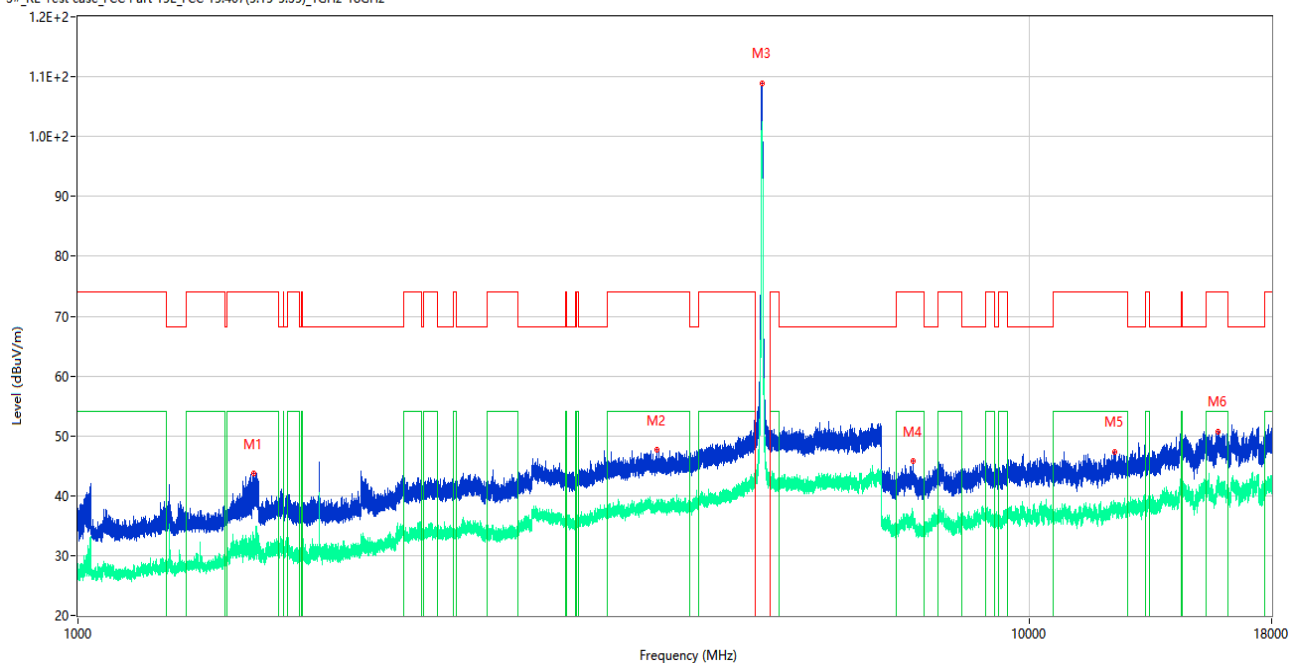
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1547.500	44.85	74.0	29.15	Peak	98.00	400	Vertical	Pass
1**	1547.500	32.05	54.0	21.95	AV	98.00	400	Vertical	Pass
2	4028.800	47.76	74.0	26.24	Peak	360.00	400	Vertical	Pass
2**	4028.800	38.54	54.0	15.46	AV	360.00	400	Vertical	Pass
3	5218.400	108.37	--	--	Peak	202.00	200	Vertical	N/A
3**	5218.400	101.73	--	--	AV	202.00	200	Vertical	N/A
4	7478.975	45.01	74.0	28.99	Peak	190.00	300	Vertical	Pass
4**	7478.975	35.06	54.0	18.94	AV	190.00	300	Vertical	Pass
5	12290.862	47.48	74.0	26.52	Peak	328.00	150	Vertical	Pass
5**	12290.862	38.03	54.0	15.97	AV	328.00	150	Vertical	Pass
6	15842.250	50.89	74.0	23.11	Peak	149.00	400	Vertical	Pass
6**	15842.250	41.30	54.0	12.70	AV	149.00	400	Vertical	Pass

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

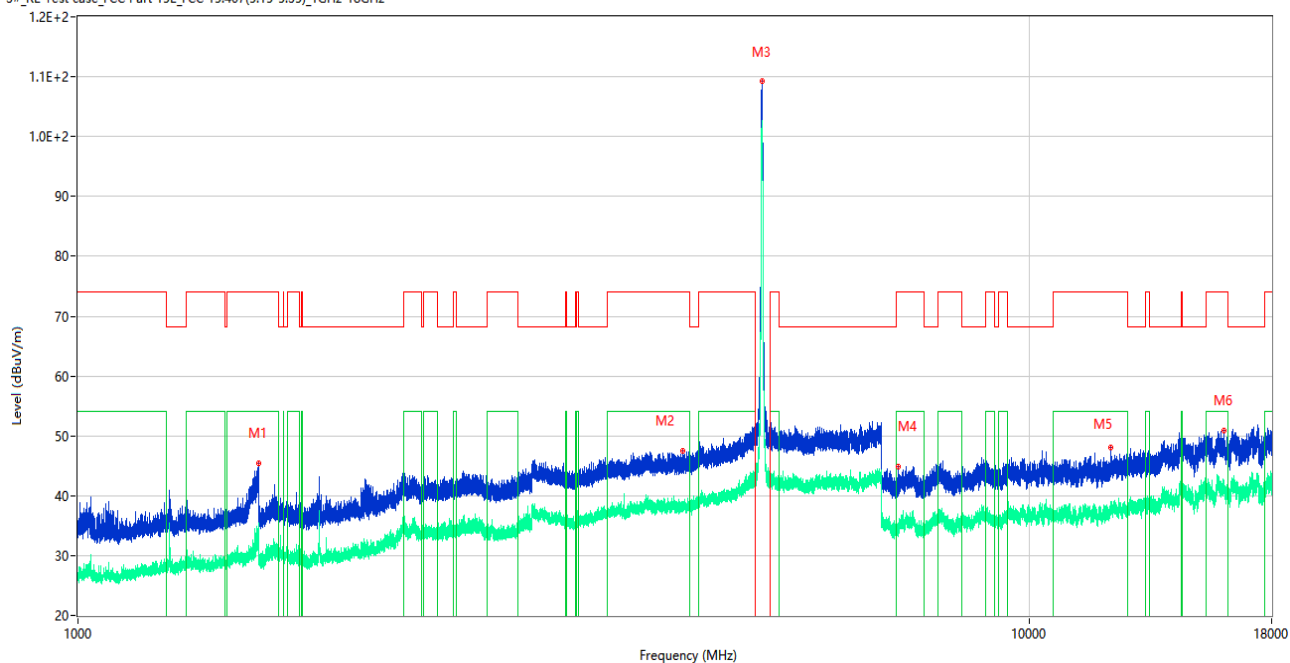
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1529.600	43.71	74.0	30.29	Peak	202.00	400	Horizontal	Pass
1**	1529.600	31.25	54.0	22.75	AV	202.00	400	Horizontal	Pass
2	4067.000	47.63	74.0	26.37	Peak	306.00	100	Horizontal	Pass
2**	4067.000	38.76	54.0	15.24	AV	306.00	100	Horizontal	Pass
3	5239.200	108.92	--	--	Peak	216.00	100	Horizontal	N/A
3**	5239.200	102.42	--	--	AV	216.00	100	Horizontal	N/A
4	7550.850	45.76	74.0	28.24	Peak	344.00	400	Horizontal	Pass
4**	7550.850	36.26	54.0	17.74	AV	344.00	400	Horizontal	Pass
5	12320.763	47.31	74.0	26.69	Peak	49.00	200	Horizontal	Pass
5**	12320.763	38.15	54.0	15.85	AV	49.00	200	Horizontal	Pass
6	15793.688	50.73	74.0	23.27	Peak	0.00	300	Horizontal	Pass
6**	15793.688	42.04	54.0	11.96	AV	0.00	300	Horizontal	Pass

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

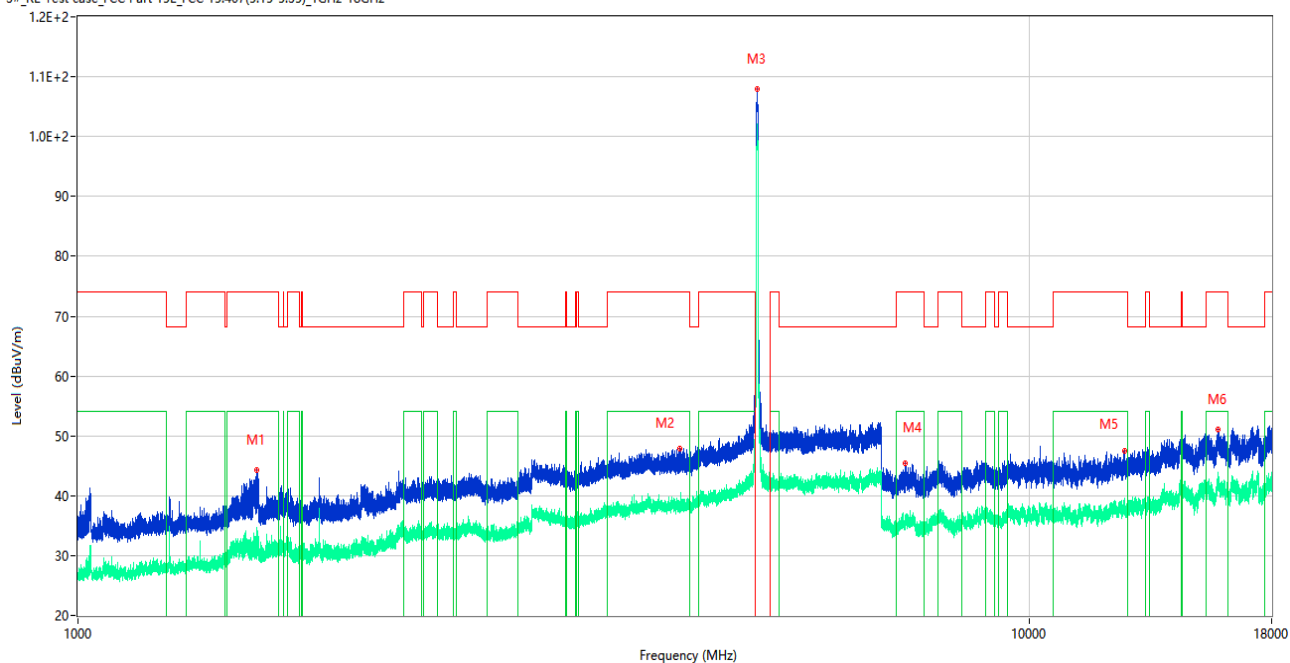
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1547.600	45.51	74.0	28.49	Peak	103.00	100	Vertical	Pass
1**	1547.600	32.88	54.0	21.12	AV	103.00	100	Vertical	Pass
2	4327.800	47.52	74.0	26.48	Peak	92.00	200	Vertical	Pass
2**	4327.800	38.36	54.0	15.64	AV	92.00	200	Vertical	Pass
3	5241.400	109.23	--	--	Peak	227.00	100	Vertical	N/A
3**	5241.400	102.22	--	--	AV	227.00	100	Vertical	N/A
4	7290.662	44.84	74.0	29.16	Peak	360.00	300	Vertical	Pass
4**	7290.662	34.15	54.0	19.85	AV	360.00	300	Vertical	Pass
5	12204.037	48.07	74.0	25.93	Peak	359.00	100	Vertical	Pass
5**	12204.037	39.01	54.0	14.99	AV	359.00	100	Vertical	Pass
6	16034.138	50.90	74.0	23.10	Peak	248.00	100	Vertical	Pass
6**	16034.138	41.00	54.0	13.00	AV	248.00	100	Vertical	Pass

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

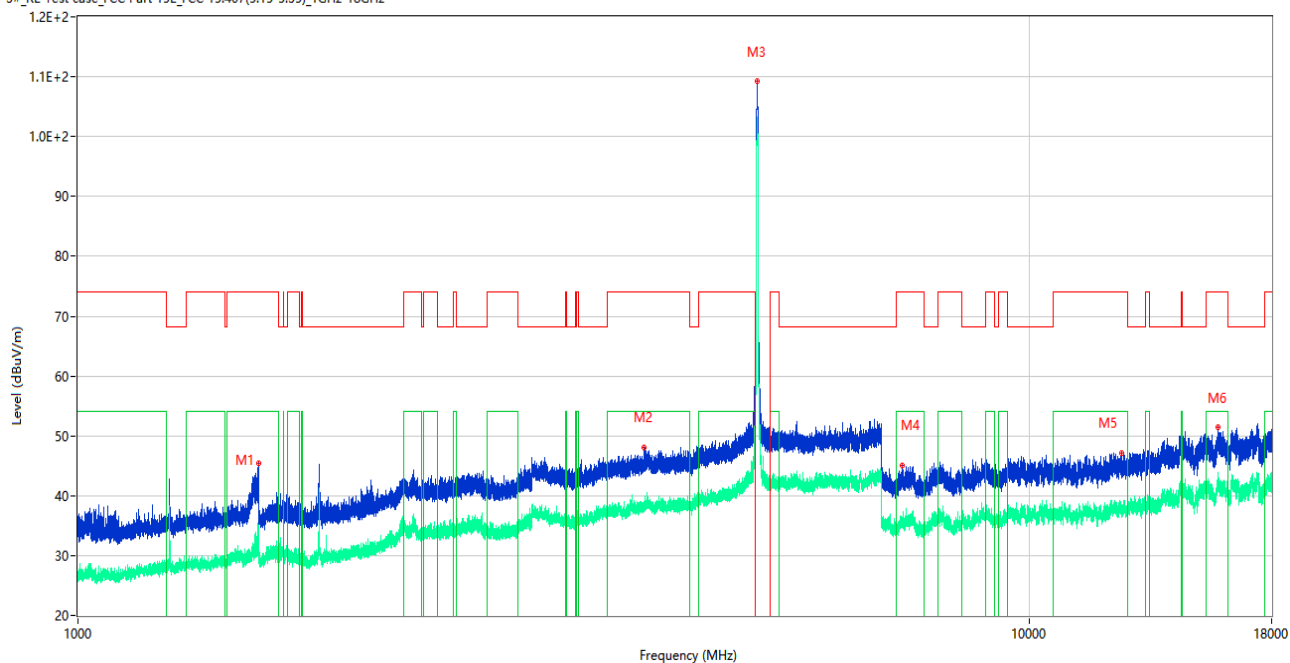
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1540.100	44.34	74.0	29.66	Peak	200.00	100	Horizontal	Pass
1**	1540.100	31.31	54.0	22.69	AV	200.00	100	Horizontal	Pass
2	4298.600	47.95	74.0	26.05	Peak	101.00	100	Horizontal	Pass
2**	4298.600	37.85	54.0	16.15	AV	101.00	100	Horizontal	Pass
3	5181.200	107.98	--	--	Peak	256.00	150	Horizontal	N/A
3**	5181.200	101.53	--	--	AV	256.00	150	Horizontal	N/A
4	7420.038	45.41	74.0	28.59	Peak	328.00	100	Horizontal	Pass
4**	7420.038	36.23	54.0	17.77	AV	328.00	100	Horizontal	Pass
5	12595.325	47.50	74.0	26.50	Peak	310.00	200	Horizontal	Pass
5**	12595.325	37.80	54.0	16.20	AV	310.00	200	Horizontal	Pass
6	15799.463	51.10	74.0	22.90	Peak	229.00	100	Horizontal	Pass
6**	15799.463	42.75	54.0	11.25	AV	229.00	100	Horizontal	Pass

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

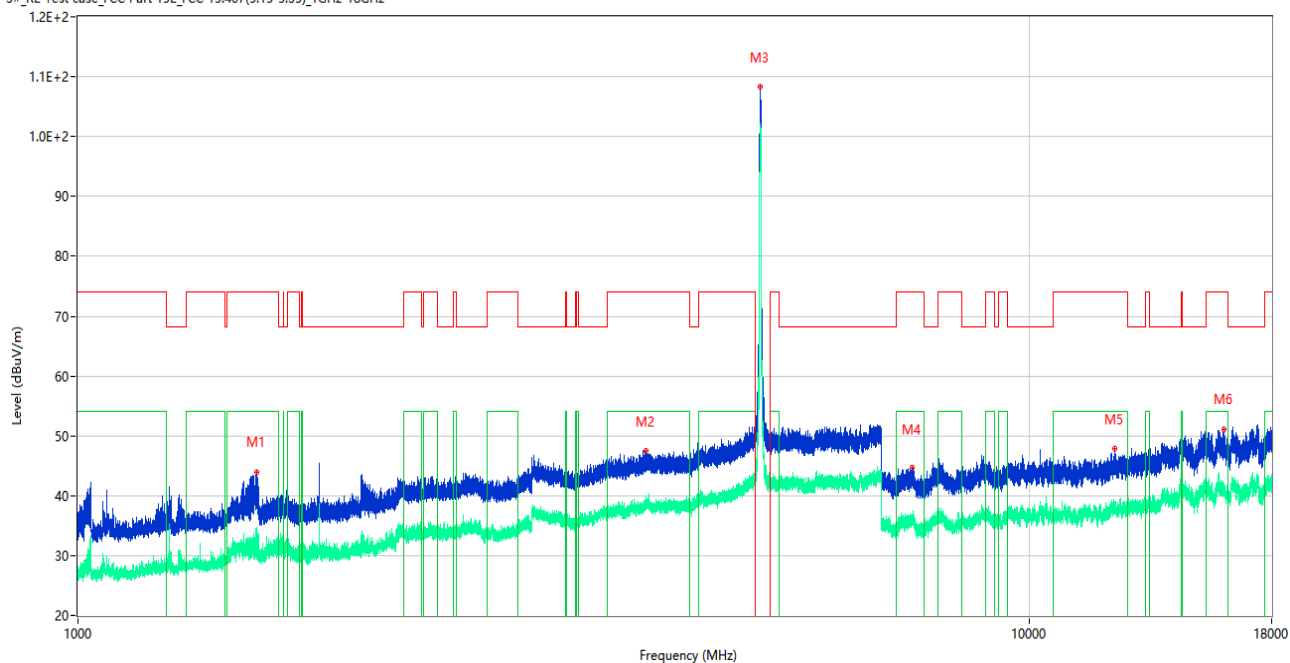
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1547.400	45.49	74.0	28.51	Peak	96.00	400	Vertical	Pass
1**	1547.400	32.95	54.0	21.05	AV	96.00	400	Vertical	Pass
2	3940.600	48.06	74.0	25.94	Peak	360.00	100	Vertical	Pass
2**	3940.600	37.37	54.0	16.63	AV	360.00	100	Vertical	Pass
3	5179.200	109.18	--	--	Peak	235.00	200	Vertical	N/A
3**	5179.200	102.75	--	--	AV	235.00	200	Vertical	N/A
4	7367.138	45.00	74.0	29.00	Peak	360.00	200	Vertical	Pass
4**	7367.138	35.73	54.0	18.27	AV	360.00	200	Vertical	Pass
5	12511.662	47.14	74.0	26.86	Peak	312.00	100	Vertical	Pass
5**	12511.662	37.02	54.0	16.98	AV	312.00	100	Vertical	Pass
6	15794.737	51.38	74.0	22.62	Peak	188.00	300	Vertical	Pass
6**	15794.737	42.48	54.0	11.52	AV	188.00	300	Vertical	Pass

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

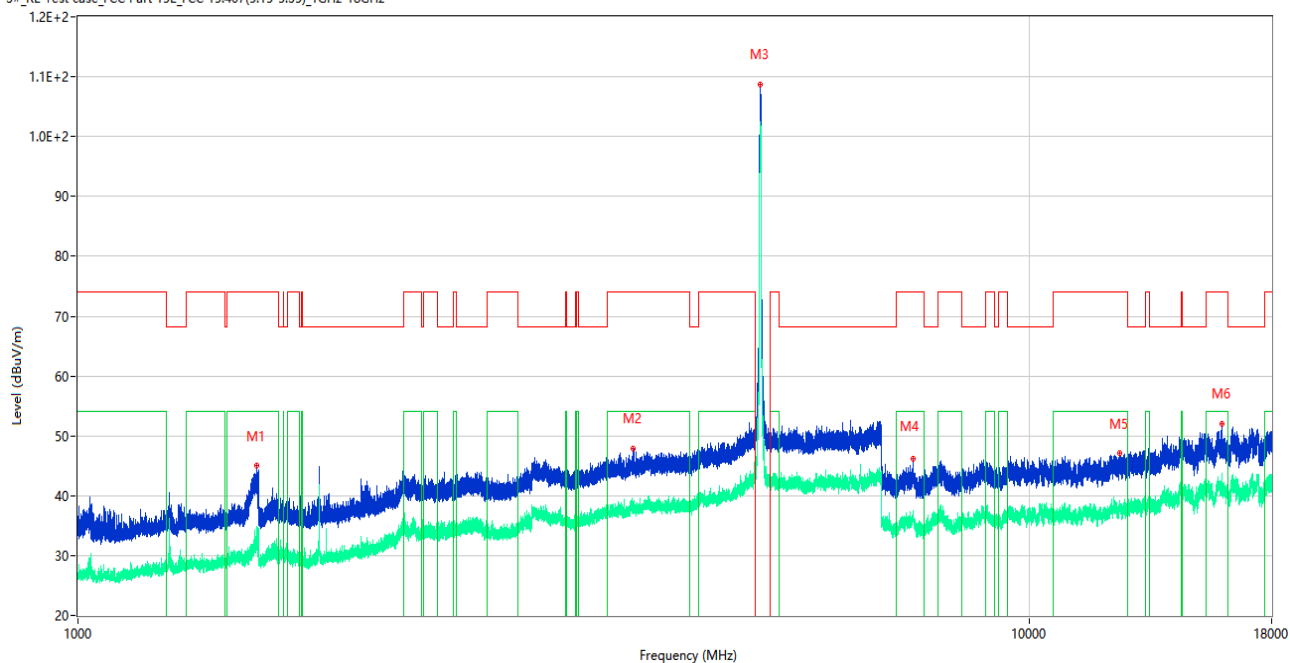
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1542.700	44.01	74.0	29.99	Peak	199.00	100	Horizontal	Pass
1**	1542.700	30.38	54.0	23.62	AV	199.00	100	Horizontal	Pass
2	3961.600	47.46	74.0	26.54	Peak	292.00	400	Horizontal	Pass
2**	3961.600	38.58	54.0	15.42	AV	292.00	400	Horizontal	Pass
3	5218.200	108.26	--	--	Peak	246.00	150	Horizontal	N/A
3**	5218.200	100.79	--	--	AV	246.00	150	Horizontal	N/A
4	7544.525	44.72	74.0	29.28	Peak	360.00	400	Horizontal	Pass
4**	7544.525	36.48	54.0	17.52	AV	360.00	400	Horizontal	Pass
5	12309.550	47.81	74.0	26.19	Peak	102.00	150	Horizontal	Pass
5**	12309.550	37.44	54.0	16.56	AV	102.00	150	Horizontal	Pass
6	16052.775	51.16	74.0	22.84	Peak	95.00	100	Horizontal	Pass
6**	16052.775	40.32	54.0	13.68	AV	95.00	100	Horizontal	Pass

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

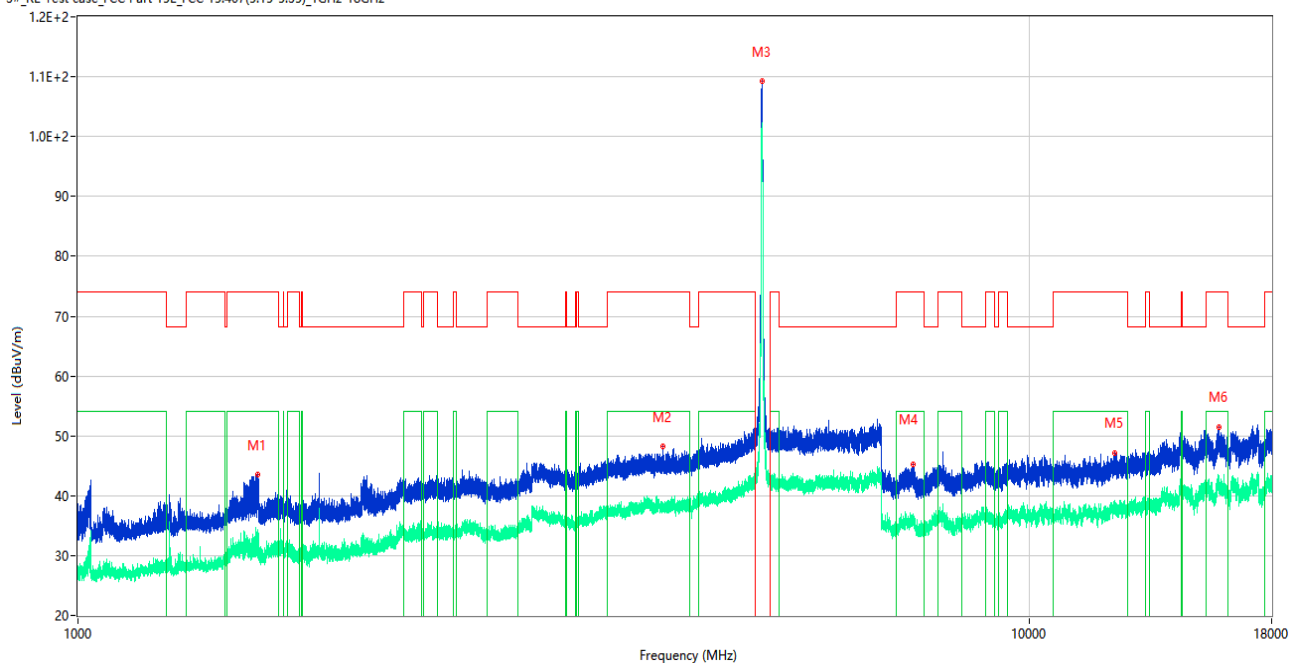
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1539.900	45.00	74.0	29.00	Peak	102.00	400	Vertical	Pass
1**	1539.900	31.65	54.0	22.35	AV	102.00	400	Vertical	Pass
2	3838.000	47.93	74.0	26.07	Peak	43.00	300	Vertical	Pass
2**	3838.000	37.31	54.0	16.69	AV	43.00	300	Vertical	Pass
3	5221.200	108.76	--	--	Peak	201.00	100	Vertical	N/A
3**	5221.200	102.31	--	--	AV	201.00	100	Vertical	N/A
4	7549.125	46.26	74.0	27.74	Peak	54.00	300	Vertical	Pass
4**	7549.125	37.52	54.0	16.48	AV	54.00	300	Vertical	Pass
5	12467.963	47.09	74.0	26.91	Peak	20.00	150	Vertical	Pass
5**	12467.963	37.98	54.0	16.02	AV	20.00	150	Vertical	Pass
6	15954.338	52.09	74.0	21.91	Peak	342.00	300	Vertical	Pass
6**	15954.338	40.66	54.0	13.34	AV	342.00	300	Vertical	Pass

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

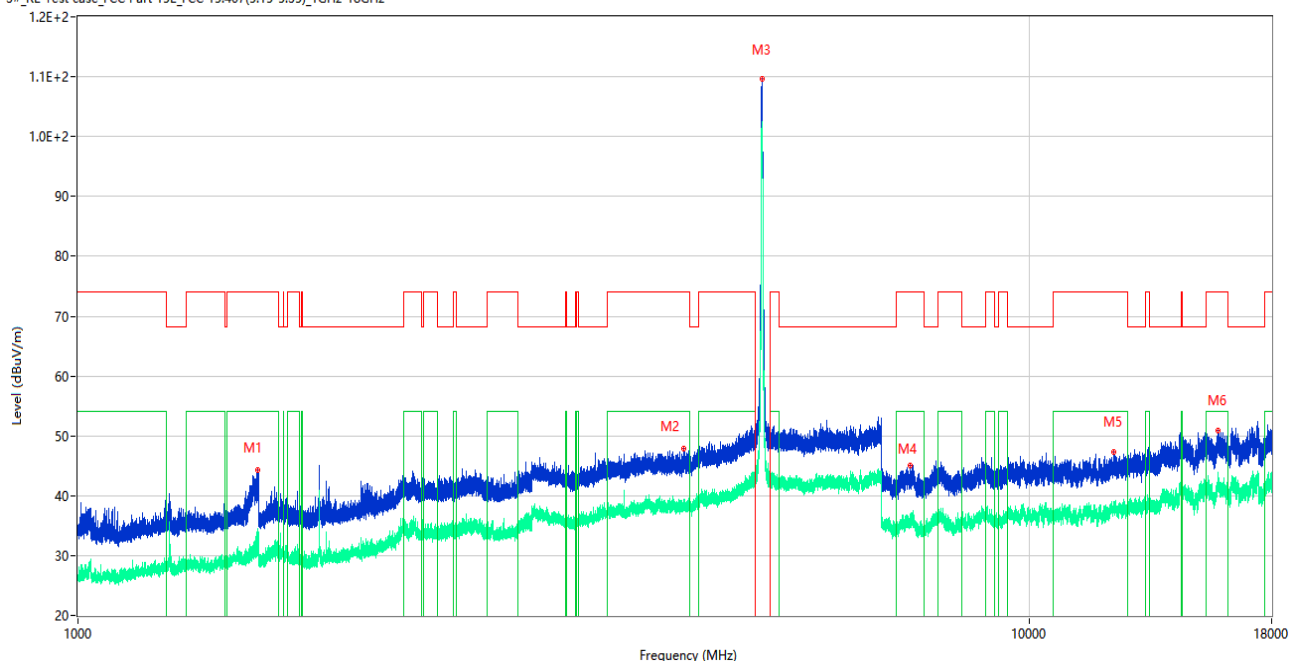
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1546.000	43.45	74.0	30.55	Peak	232.00	400	Horizontal	Pass
1**	1546.000	32.23	54.0	21.77	AV	232.00	400	Horizontal	Pass
2	4117.400	48.22	74.0	25.78	Peak	360.00	400	Horizontal	Pass
2**	4117.400	38.09	54.0	15.91	AV	360.00	400	Horizontal	Pass
3	5237.400	109.19	--	--	Peak	217.00	150	Horizontal	N/A
3**	5237.400	100.95	--	--	AV	217.00	150	Horizontal	N/A
4	7550.850	45.14	74.0	28.86	Peak	86.00	300	Horizontal	Pass
4**	7550.850	36.77	54.0	17.23	AV	86.00	300	Horizontal	Pass
5	12321.050	47.21	74.0	26.79	Peak	102.00	150	Horizontal	Pass
5**	12321.050	37.57	54.0	16.43	AV	102.00	150	Horizontal	Pass
6	15845.137	51.46	74.0	22.54	Peak	55.00	100	Horizontal	Pass
6**	15845.137	41.56	54.0	12.44	AV	55.00	100	Horizontal	Pass

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

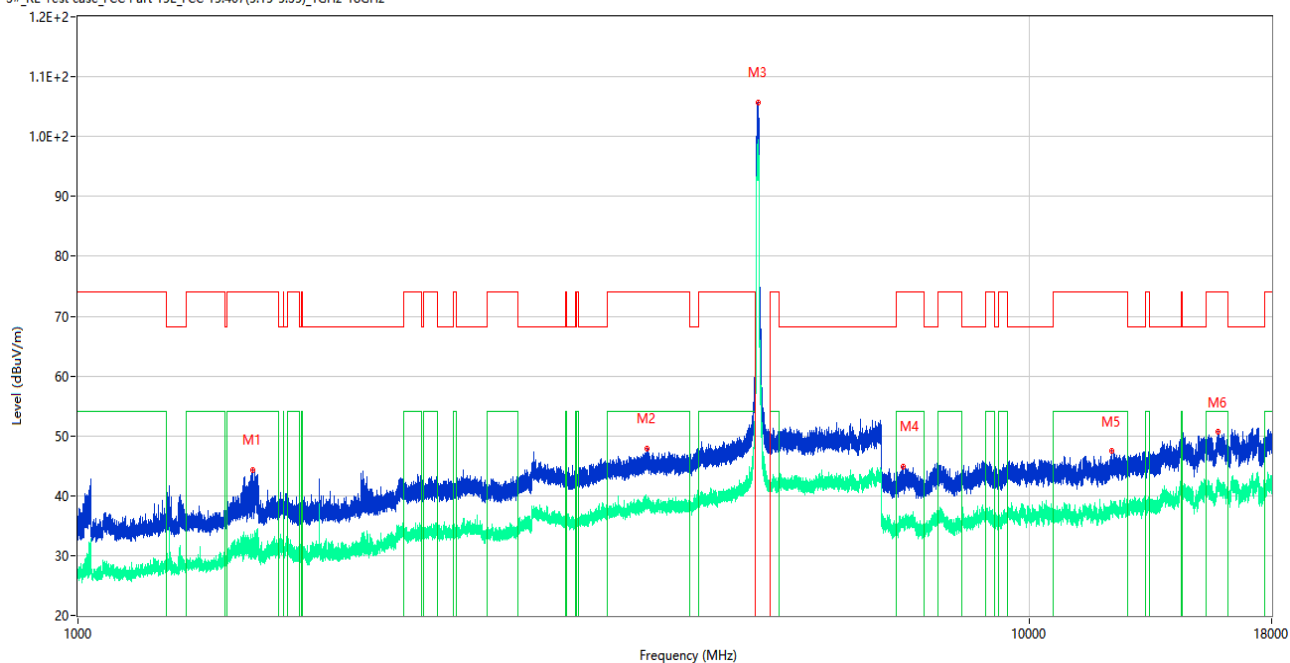
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1544.700	44.28	74.0	29.72	Peak	108.00	100	Vertical	Pass
1**	1544.700	32.29	54.0	21.71	AV	108.00	100	Vertical	Pass
2	4334.600	47.84	74.0	26.16	Peak	340.00	300	Vertical	Pass
2**	4334.600	37.71	54.0	16.29	AV	340.00	300	Vertical	Pass
3	5241.800	109.60	--	--	Peak	227.00	100	Vertical	N/A
3**	5241.800	102.14	--	--	AV	227.00	100	Vertical	N/A
4	7508.013	45.14	74.0	28.86	Peak	357.00	100	Vertical	Pass
4**	7508.013	35.30	54.0	18.70	AV	357.00	100	Vertical	Pass
5	12292.300	47.37	74.0	26.63	Peak	65.00	200	Vertical	Pass
5**	12292.300	37.18	54.0	16.82	AV	65.00	200	Vertical	Pass
6	15816.526	50.92	74.0	23.08	Peak	19.00	200	Vertical	Pass
6**	15816.526	41.18	54.0	12.82	AV	19.00	200	Vertical	Pass

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

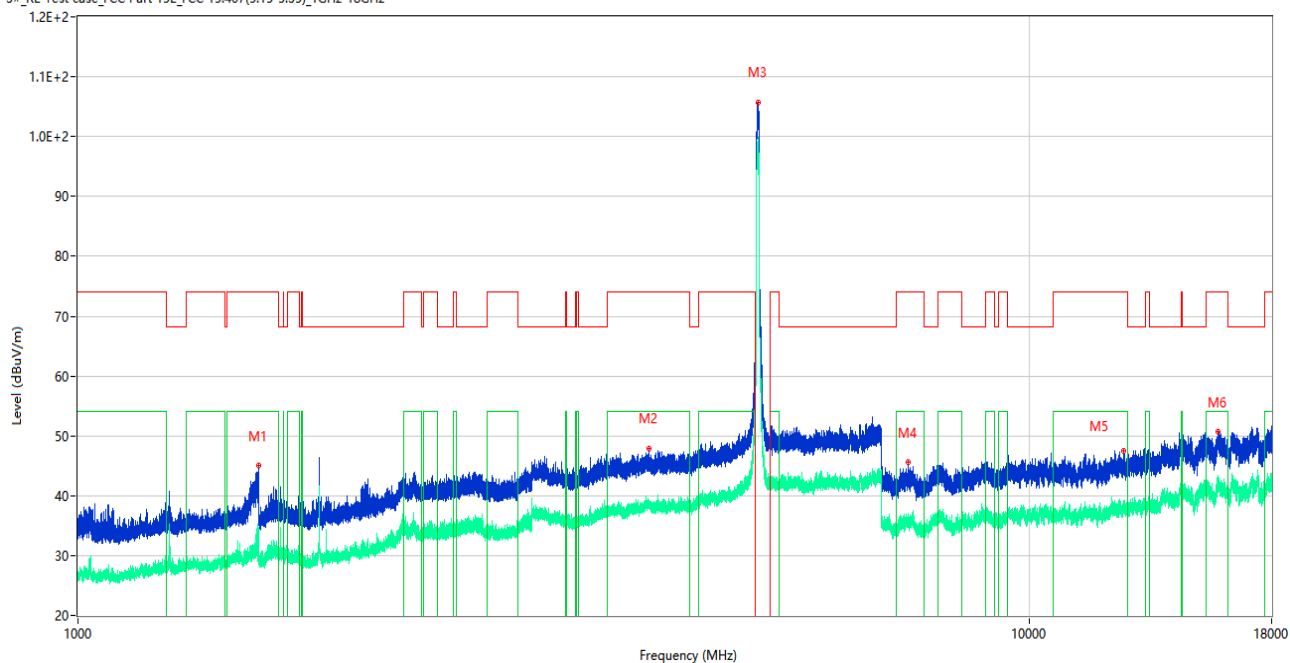
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1526.300	44.30	74.0	29.70	Peak	192.00	200	Horizontal	Pass
1**	1526.300	31.66	54.0	22.34	AV	192.00	200	Horizontal	Pass
2	3965.600	47.95	74.0	26.05	Peak	195.00	400	Horizontal	Pass
2**	3965.600	38.94	54.0	15.06	AV	195.00	400	Horizontal	Pass
3	5187.600	105.75	--	--	Peak	240.00	150	Horizontal	N/A
3**	5187.600	98.31	--	--	AV	240.00	150	Horizontal	N/A
4	7383.813	44.83	74.0	29.17	Peak	0.00	400	Horizontal	Pass
4**	7383.813	36.60	54.0	17.40	AV	0.00	400	Horizontal	Pass
5	12210.650	47.43	74.0	26.57	Peak	221.00	100	Horizontal	Pass
5**	12210.650	38.06	54.0	15.94	AV	221.00	100	Horizontal	Pass
6	15799.200	50.64	74.0	23.36	Peak	39.00	100	Horizontal	Pass
6**	15799.200	42.00	54.0	12.00	AV	39.00	100	Horizontal	Pass

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

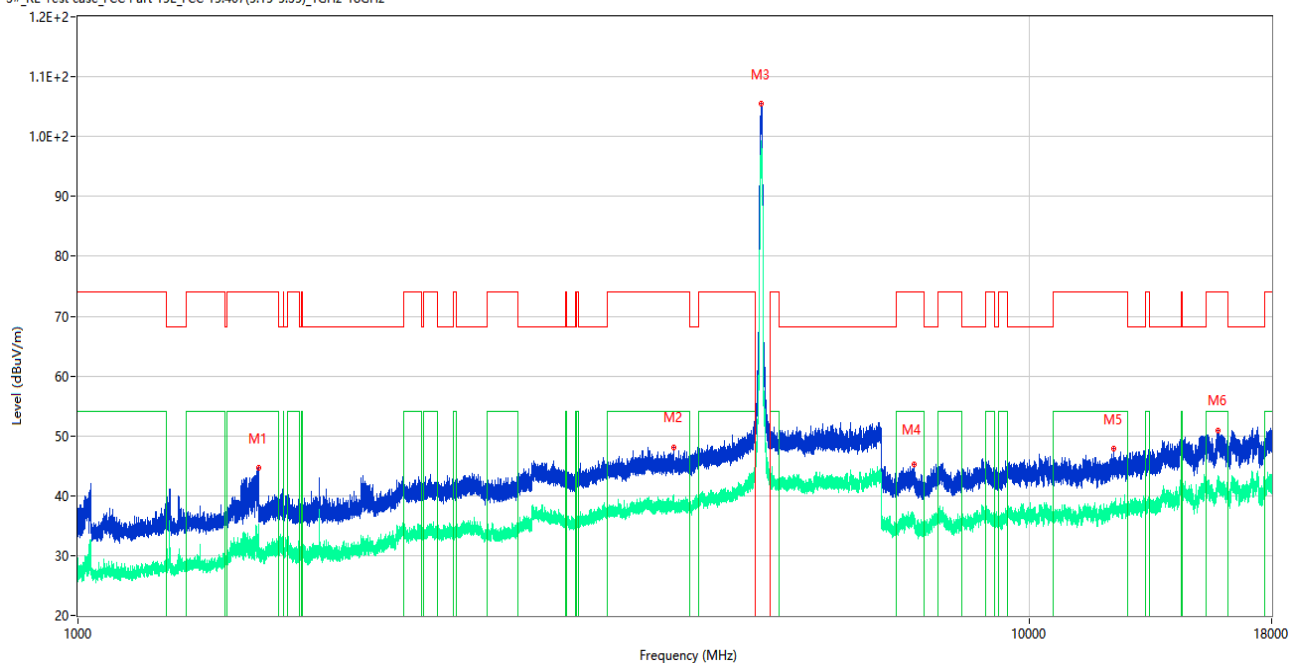
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1547.600	44.97	74.0	29.03	Peak	106.00	100	Vertical	Pass
1**	1547.600	33.65	54.0	20.35	AV	106.00	100	Vertical	Pass
2	3981.800	47.95	74.0	26.05	Peak	29.00	200	Vertical	Pass
2**	3981.800	38.38	54.0	15.62	AV	29.00	200	Vertical	Pass
3	5188.400	105.76	--	--	Peak	213.00	100	Vertical	N/A
3**	5188.400	98.91	--	--	AV	213.00	100	Vertical	N/A
4	7466.325	45.55	74.0	28.45	Peak	0.00	100	Vertical	Pass
4**	7466.325	36.07	54.0	17.93	AV	0.00	100	Vertical	Pass
5	12593.025	47.45	74.0	26.55	Peak	318.00	150	Vertical	Pass
5**	12593.025	37.81	54.0	16.19	AV	318.00	150	Vertical	Pass
6	15807.075	50.65	74.0	23.35	Peak	343.00	100	Vertical	Pass
6**	15807.075	42.33	54.0	11.67	AV	343.00	100	Vertical	Pass

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

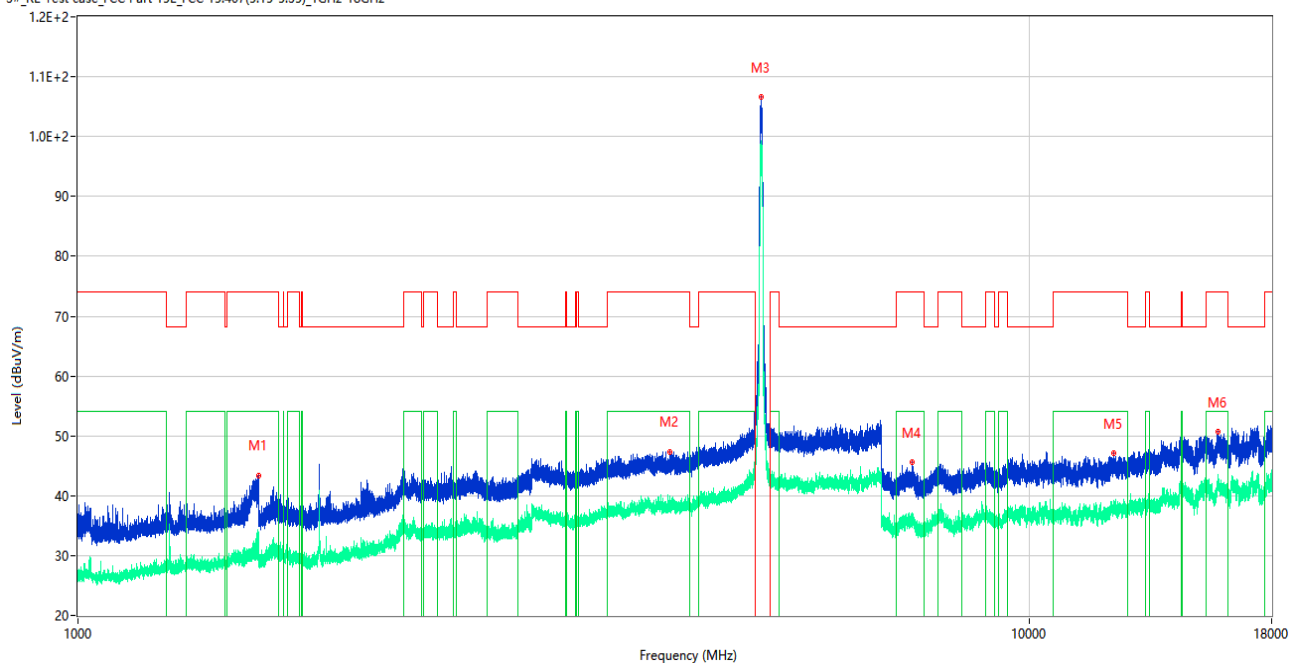
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1547.500	44.59	74.0	29.41	Peak	207.00	300	Horizontal	Pass
1**	1547.500	34.64	54.0	19.36	AV	207.00	300	Horizontal	Pass
2	4237.000	48.10	74.0	25.90	Peak	0.00	400	Horizontal	Pass
2**	4237.000	38.39	54.0	15.61	AV	0.00	400	Horizontal	Pass
3	5227.000	105.41	--	--	Peak	216.00	150	Horizontal	N/A
3**	5227.000	98.21	--	--	AV	216.00	150	Horizontal	N/A
4	7566.663	45.32	74.0	28.68	Peak	51.00	300	Horizontal	Pass
4**	7566.663	36.83	54.0	17.17	AV	51.00	300	Horizontal	Pass
5	12284.826	47.79	74.0	26.21	Peak	310.00	200	Horizontal	Pass
5**	12284.826	38.15	54.0	15.85	AV	310.00	200	Horizontal	Pass
6	15813.638	50.93	74.0	23.07	Peak	0.00	300	Horizontal	Pass
6**	15813.638	42.14	54.0	11.86	AV	0.00	300	Horizontal	Pass

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

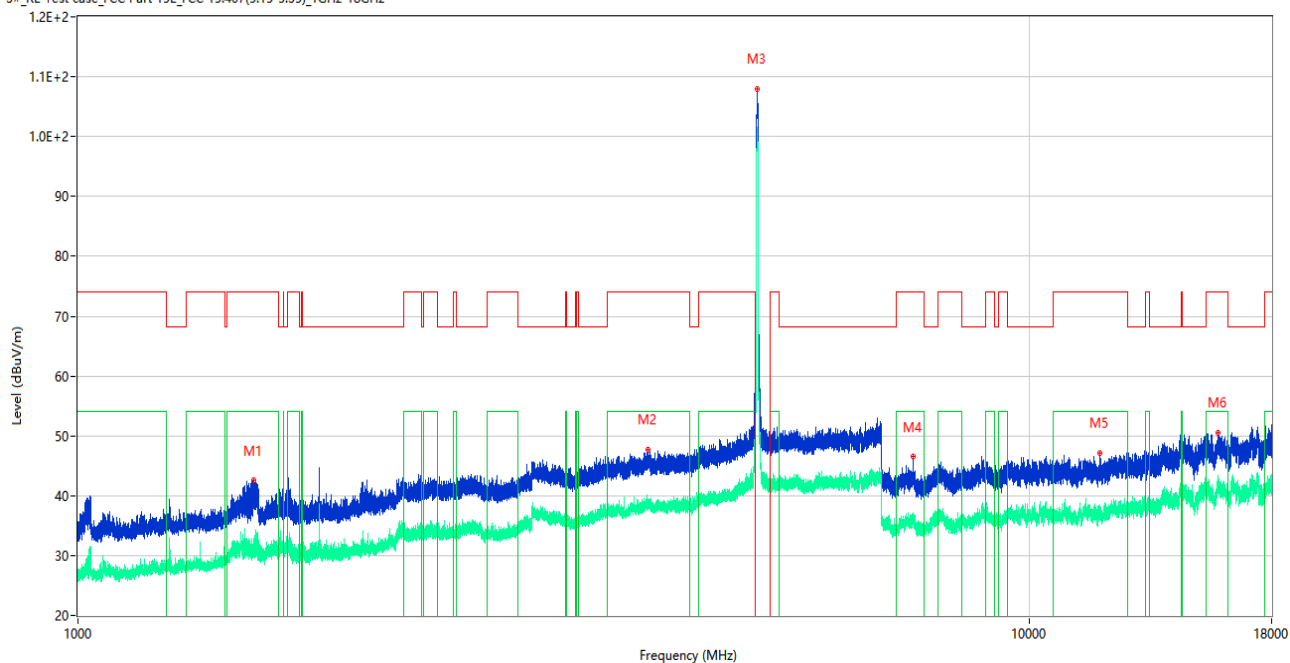
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1547.700	43.43	74.0	30.57	Peak	269.00	100	Vertical	Pass
1**	1547.700	33.77	54.0	20.23	AV	269.00	100	Vertical	Pass
2	4187.600	47.38	74.0	26.62	Peak	27.00	400	Vertical	Pass
2**	4187.600	37.94	54.0	16.06	AV	27.00	400	Vertical	Pass
3	5227.800	106.58	--	--	Peak	227.00	100	Vertical	N/A
3**	5227.800	98.92	--	--	AV	227.00	100	Vertical	N/A
4	7537.913	45.60	74.0	28.40	Peak	273.00	300	Vertical	Pass
4**	7537.913	36.35	54.0	17.65	AV	273.00	300	Vertical	Pass
5	12276.200	47.06	74.0	26.94	Peak	360.00	150	Vertical	Pass
5**	12276.200	37.44	54.0	16.56	AV	360.00	150	Vertical	Pass
6	15813.638	50.60	74.0	23.40	Peak	228.00	300	Vertical	Pass
6**	15813.638	42.21	54.0	11.79	AV	228.00	300	Vertical	Pass

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

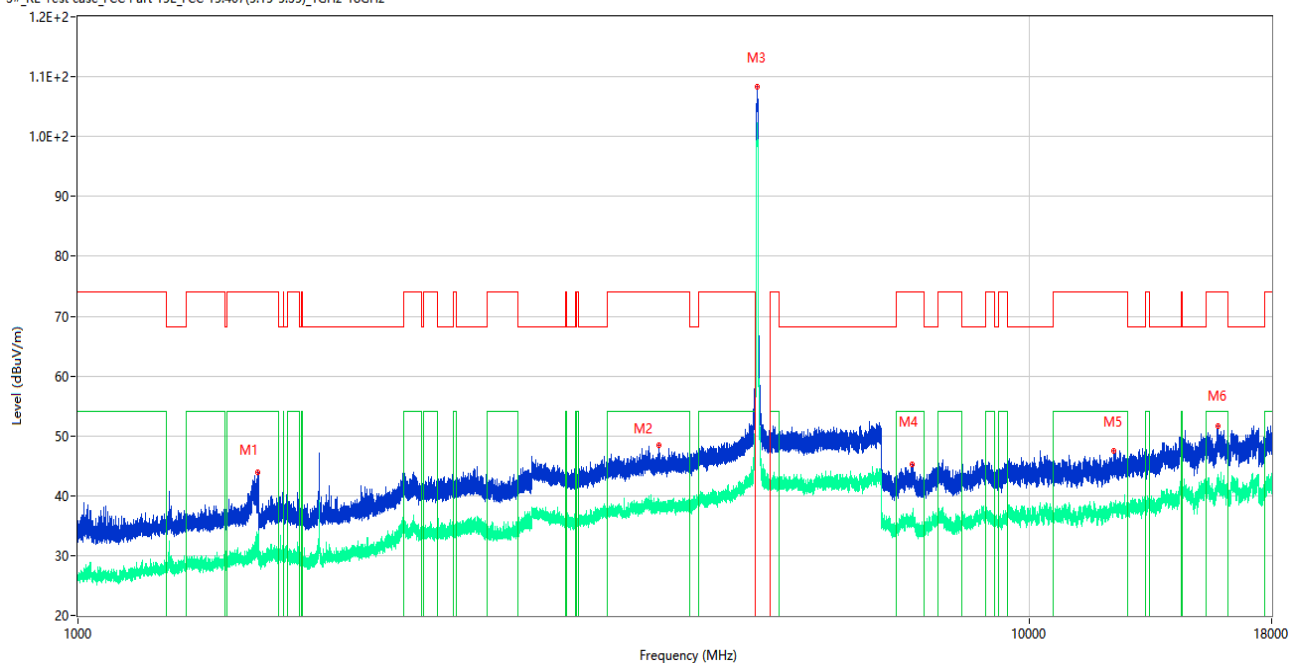
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1530.900	42.58	74.0	31.42	Peak	185.00	300	Horizontal	Pass
1**	1530.900	30.05	54.0	23.95	AV	185.00	300	Horizontal	Pass
2	3977.400	47.72	74.0	26.28	Peak	135.00	300	Horizontal	Pass
2**	3977.400	38.54	54.0	15.46	AV	135.00	300	Horizontal	Pass
3	5181.400	107.99	--	--	Peak	253.00	200	Horizontal	N/A
3**	5181.400	100.93	--	--	AV	253.00	200	Horizontal	N/A
4	7553.438	46.51	74.0	27.49	Peak	181.00	100	Horizontal	Pass
4**	7553.438	36.74	54.0	17.26	AV	181.00	100	Horizontal	Pass
5	11882.900	47.17	74.0	26.83	Peak	3.00	100	Horizontal	Pass
5**	11882.900	37.72	54.0	16.28	AV	3.00	100	Horizontal	Pass
6	15804.713	50.52	74.0	23.48	Peak	16.00	400	Horizontal	Pass
6**	15804.713	43.10	54.0	10.90	AV	16.00	400	Horizontal	Pass

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

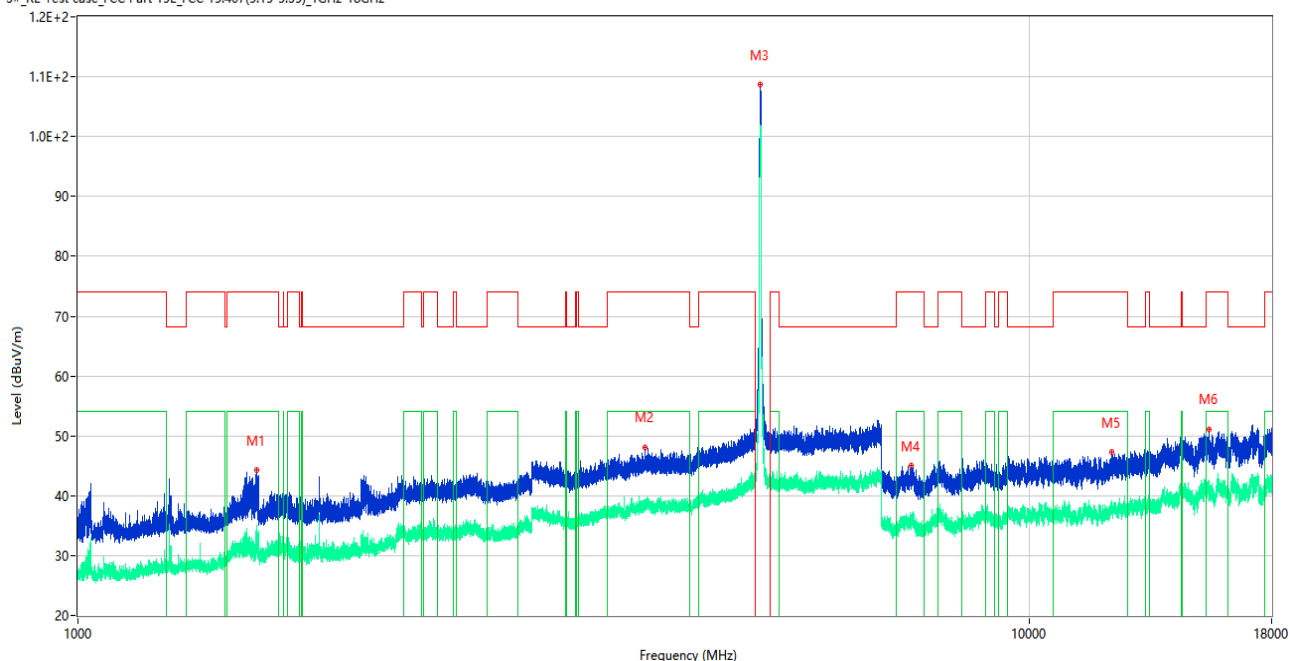
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1546.000	43.85	74.0	30.15	Peak	103.00	100	Vertical	Pass
1**	1546.000	33.52	54.0	20.48	AV	103.00	100	Vertical	Pass
2	4085.400	48.53	74.0	25.47	Peak	157.00	100	Vertical	Pass
2**	4085.400	38.30	54.0	15.70	AV	157.00	100	Vertical	Pass
3	5178.800	108.31	--	--	Peak	248.00	200	Vertical	N/A
3**	5178.800	101.56	--	--	AV	248.00	200	Vertical	N/A
4	7545.388	45.31	74.0	28.69	Peak	347.00	300	Vertical	Pass
4**	7545.388	36.16	54.0	17.84	AV	347.00	300	Vertical	Pass
5	12285.688	47.44	74.0	26.56	Peak	50.00	150	Vertical	Pass
5**	12285.688	38.44	54.0	15.56	AV	50.00	150	Vertical	Pass
6	15804.450	51.64	74.0	22.36	Peak	113.00	300	Vertical	Pass
6**	15804.450	42.28	54.0	11.72	AV	113.00	300	Vertical	Pass

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

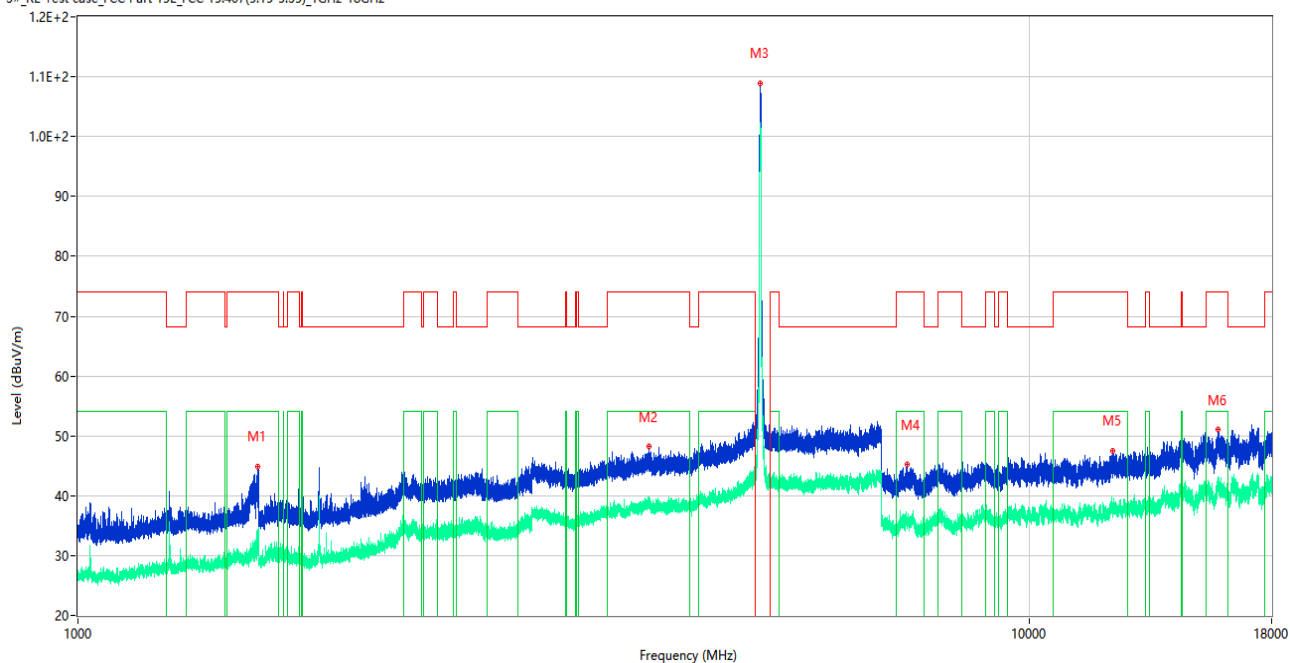
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1539.900	44.22	74.0	29.78	Peak	195.00	100	Horizontal	Pass
1**	1539.900	31.30	54.0	22.70	AV	195.00	100	Horizontal	Pass
2	3949.600	48.06	74.0	25.94	Peak	161.00	300	Horizontal	Pass
2**	3949.600	38.24	54.0	15.76	AV	161.00	300	Horizontal	Pass
3	5221.200	108.63	--	--	Peak	239.00	100	Horizontal	N/A
3**	5221.200	101.70	--	--	AV	239.00	100	Horizontal	N/A
4	7516.638	45.03	74.0	28.97	Peak	227.00	300	Horizontal	Pass
4**	7516.638	35.18	54.0	18.82	AV	227.00	300	Horizontal	Pass
5	12233.075	47.29	74.0	26.71	Peak	71.00	100	Horizontal	Pass
5**	12233.075	37.78	54.0	16.22	AV	71.00	100	Horizontal	Pass
6	15460.050	51.12	74.0	22.88	Peak	0.00	200	Horizontal	Pass
6**	15460.050	41.07	54.0	12.93	AV	0.00	200	Horizontal	Pass

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

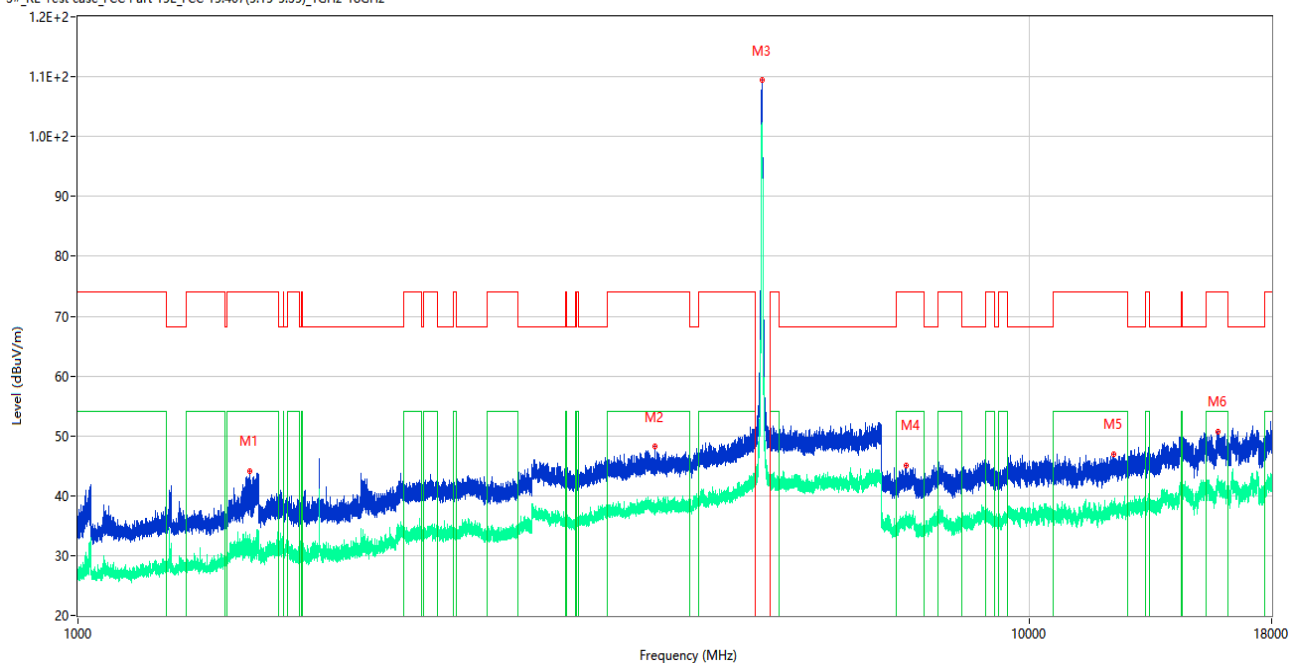
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1545.900	44.90	74.0	29.10	Peak	97.00	100	Vertical	Pass
1**	1545.900	30.27	54.0	23.73	AV	97.00	100	Vertical	Pass
2	3981.600	48.20	74.0	25.80	Peak	124.00	100	Vertical	Pass
2**	3981.600	38.59	54.0	15.41	AV	124.00	100	Vertical	Pass
3	5221.000	108.96	--	--	Peak	197.00	100	Vertical	N/A
3**	5221.000	102.11	--	--	AV	197.00	100	Vertical	N/A
4	7449.937	45.20	74.0	28.80	Peak	360.00	300	Vertical	Pass
4**	7449.937	35.34	54.0	18.66	AV	360.00	300	Vertical	Pass
5	12238.825	47.51	74.0	26.49	Peak	1.00	150	Vertical	Pass
5**	12238.825	37.56	54.0	16.44	AV	1.00	150	Vertical	Pass
6	15800.513	51.07	74.0	22.93	Peak	128.00	150	Vertical	Pass
6**	15800.513	42.20	54.0	11.80	AV	128.00	150	Vertical	Pass

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

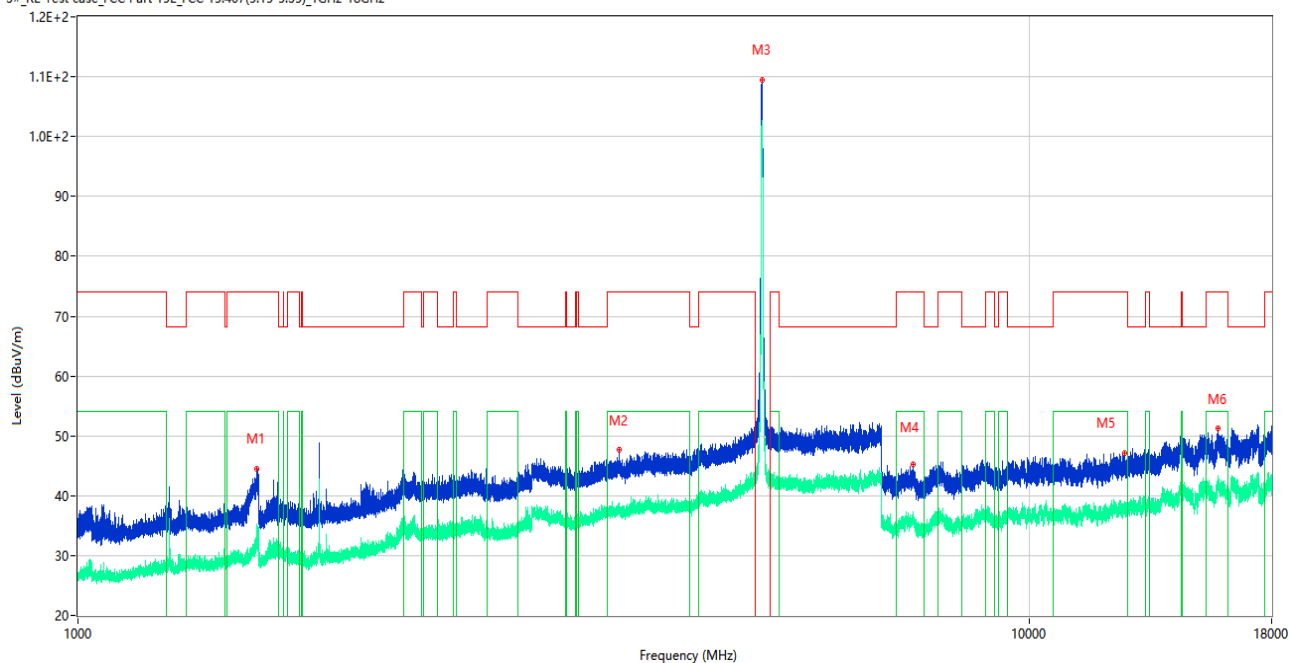
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1515.700	44.11	74.0	29.89	Peak	199.00	400	Horizontal	Pass
1**	1515.700	31.72	54.0	22.28	AV	199.00	400	Horizontal	Pass
2	4039.400	48.22	74.0	25.78	Peak	195.00	200	Horizontal	Pass
2**	4039.400	37.41	54.0	16.59	AV	195.00	200	Horizontal	Pass
3	5238.400	109.41	--	--	Peak	218.00	100	Horizontal	N/A
3**	5238.400	102.36	--	--	AV	218.00	100	Horizontal	N/A
4	7423.775	44.99	74.0	29.01	Peak	33.00	100	Horizontal	Pass
4**	7423.775	35.67	54.0	18.33	AV	33.00	100	Horizontal	Pass
5	12287.126	47.01	74.0	26.99	Peak	102.00	100	Horizontal	Pass
5**	12287.126	38.09	54.0	15.91	AV	102.00	100	Horizontal	Pass
6	15793.162	50.79	74.0	23.21	Peak	0.00	300	Horizontal	Pass
6**	15793.162	41.45	54.0	12.55	AV	0.00	300	Horizontal	Pass

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

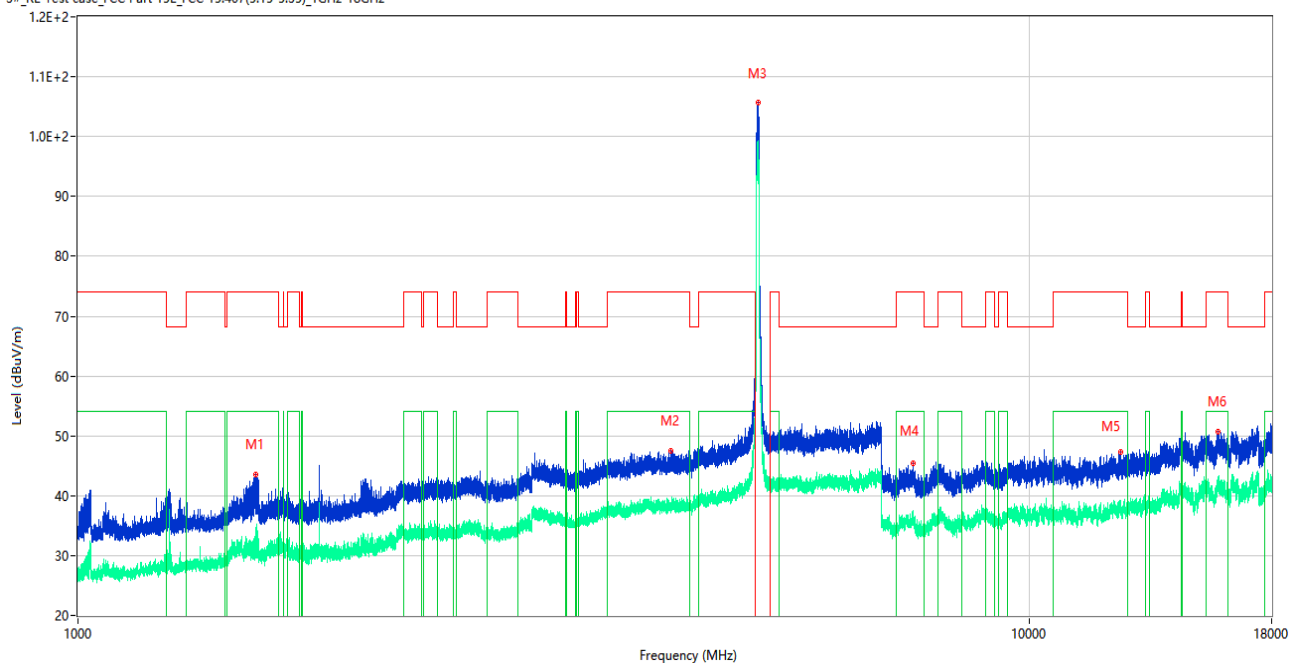
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1542.800	44.53	74.0	29.47	Peak	104.00	300	Vertical	Pass
1**	1542.800	32.20	54.0	21.80	AV	104.00	300	Vertical	Pass
2	3705.800	47.65	74.0	26.35	Peak	59.00	300	Vertical	Pass
2**	3705.800	37.53	54.0	16.47	AV	59.00	300	Vertical	Pass
3	5241.600	109.48	--	--	Peak	228.00	150	Vertical	N/A
3**	5241.600	101.78	--	--	AV	228.00	150	Vertical	N/A
4	7552.000	45.31	74.0	28.69	Peak	360.00	200	Vertical	Pass
4**	7552.000	37.24	54.0	16.76	AV	360.00	200	Vertical	Pass
5	12595.325	47.19	74.0	26.81	Peak	101.00	200	Vertical	Pass
5**	12595.325	38.07	54.0	15.93	AV	101.00	200	Vertical	Pass
6	15791.849	51.23	74.0	22.77	Peak	56.00	200	Vertical	Pass
6**	15791.849	41.89	54.0	12.11	AV	56.00	200	Vertical	Pass

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

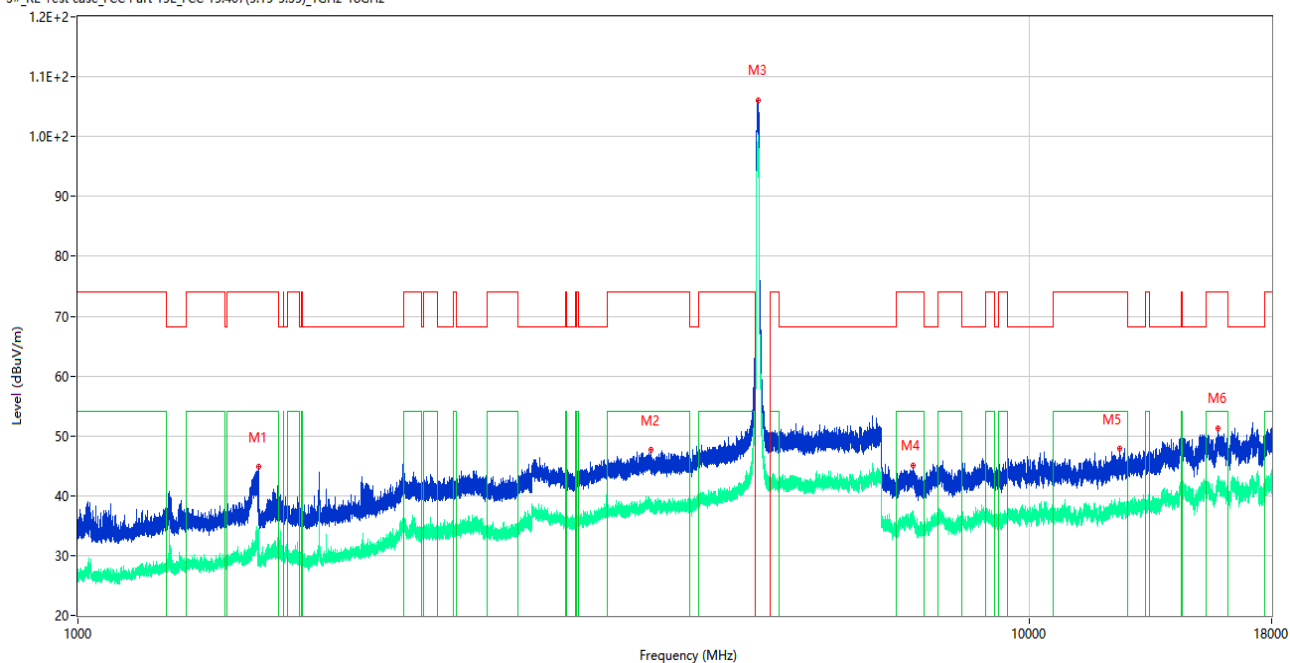
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1538.300	43.58	74.0	30.42	Peak	199.00	100	Horizontal	Pass
1**	1538.300	30.32	54.0	23.68	AV	199.00	100	Horizontal	Pass
2	4201.800	47.51	74.0	26.49	Peak	160.00	300	Horizontal	Pass
2**	4201.800	37.65	54.0	16.35	AV	160.00	300	Horizontal	Pass
3	5188.800	105.62	--	--	Peak	239.00	200	Horizontal	N/A
3**	5188.800	98.77	--	--	AV	239.00	200	Horizontal	N/A
4	7549.700	45.51	74.0	28.49	Peak	305.00	200	Horizontal	Pass
4**	7549.700	36.41	54.0	17.59	AV	305.00	200	Horizontal	Pass
5	12487.800	47.29	74.0	26.71	Peak	117.00	150	Horizontal	Pass
5**	12487.800	37.73	54.0	16.27	AV	117.00	150	Horizontal	Pass
6	15792.113	50.77	74.0	23.23	Peak	266.00	400	Horizontal	Pass
6**	15792.113	41.90	54.0	12.10	AV	266.00	400	Horizontal	Pass

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

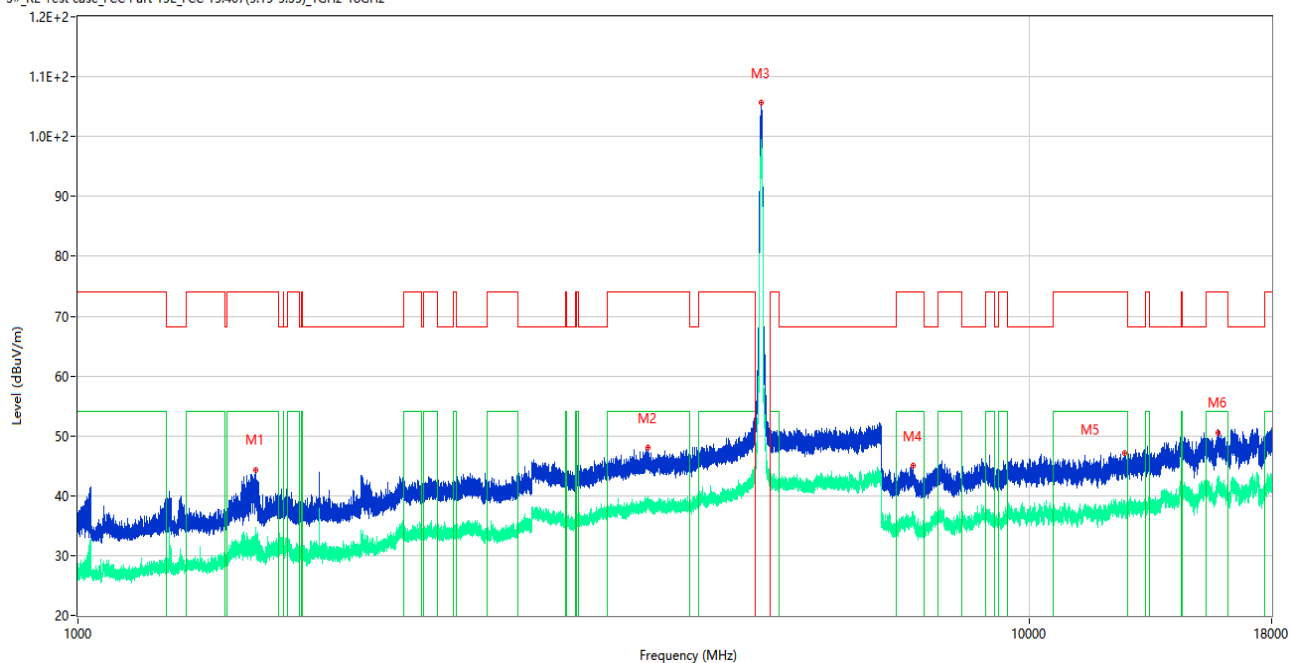
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1547.700	44.81	74.0	29.19	Peak	110.00	200	Vertical	Pass
1**	1547.700	32.34	54.0	21.66	AV	110.00	200	Vertical	Pass
2	4001.600	47.60	74.0	26.40	Peak	58.00	400	Vertical	Pass
2**	4001.600	38.46	54.0	15.54	AV	58.00	400	Vertical	Pass
3	5192.200	106.09	--	--	Peak	227.00	200	Vertical	N/A
3**	5192.200	98.51	--	--	AV	227.00	200	Vertical	N/A
4	7554.300	45.13	74.0	28.87	Peak	101.00	100	Vertical	Pass
4**	7554.300	36.43	54.0	17.57	AV	101.00	100	Vertical	Pass
5	12464.224	47.85	74.0	26.15	Peak	153.00	100	Vertical	Pass
5**	12464.224	37.49	54.0	16.51	AV	153.00	100	Vertical	Pass
6	15799.463	51.26	74.0	22.74	Peak	151.00	400	Vertical	Pass
6**	15799.463	42.90	54.0	11.10	AV	151.00	400	Vertical	Pass

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

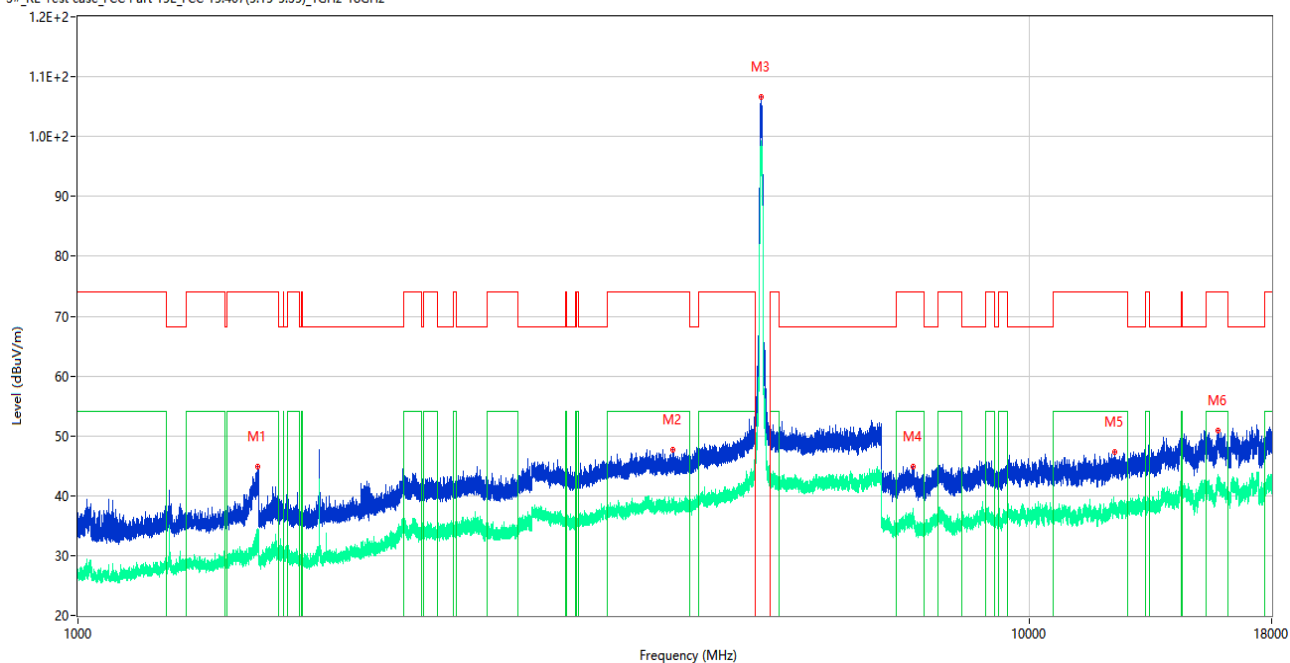
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1538.400	44.28	74.0	29.72	Peak	195.00	400	Horizontal	Pass
1**	1538.400	32.19	54.0	21.81	AV	195.00	400	Horizontal	Pass
2	3976.600	47.98	74.0	26.02	Peak	316.00	300	Horizontal	Pass
2**	3976.600	38.96	54.0	15.04	AV	316.00	300	Horizontal	Pass
3	5232.200	105.60	--	--	Peak	206.00	100	Horizontal	N/A
3**	5232.200	98.57	--	--	AV	206.00	100	Horizontal	N/A
4	7552.288	44.95	74.0	29.05	Peak	52.00	400	Horizontal	Pass
4**	7552.288	36.53	54.0	17.47	AV	52.00	400	Horizontal	Pass
5	12612.575	47.14	74.0	26.86	Peak	195.00	200	Horizontal	Pass
5**	12612.575	37.99	54.0	16.01	AV	195.00	200	Horizontal	Pass
6	15795.262	50.53	74.0	23.47	Peak	360.00	300	Horizontal	Pass
6**	15795.262	41.48	54.0	12.52	AV	360.00	300	Horizontal	Pass

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

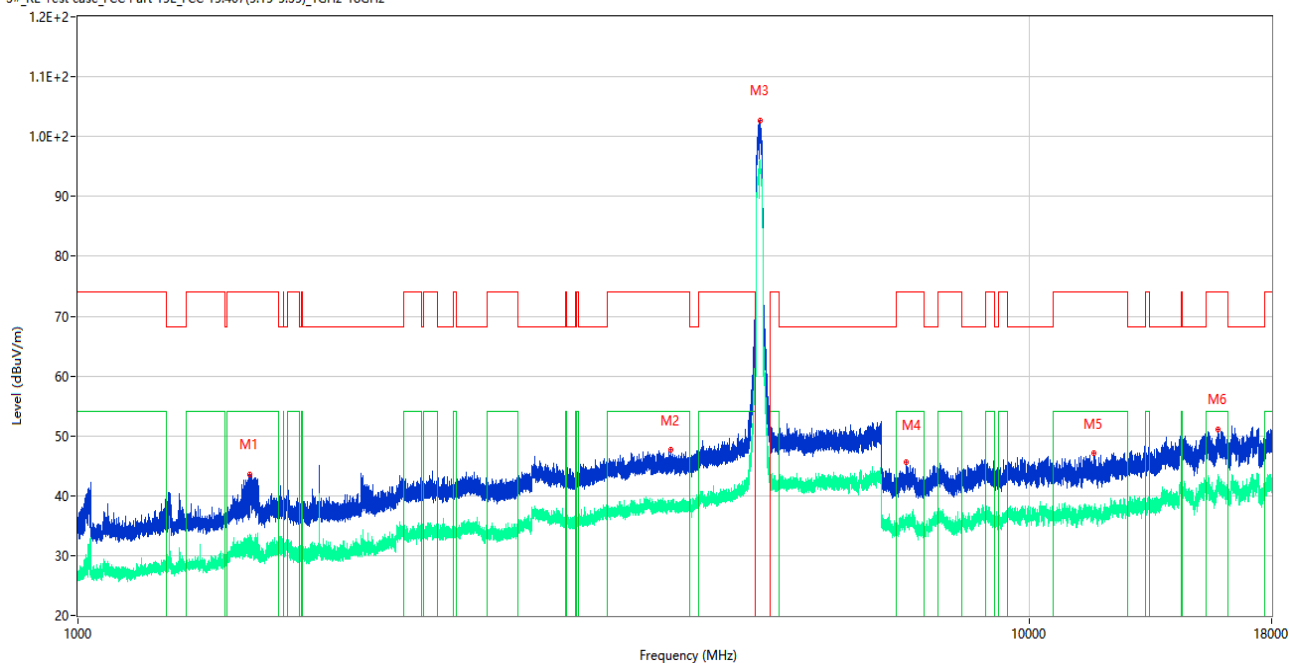
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1545.400	44.94	74.0	29.06	Peak	103.00	200	Vertical	Pass
1**	1545.400	30.63	54.0	23.37	AV	103.00	200	Vertical	Pass
2	4224.000	47.77	74.0	26.23	Peak	35.00	200	Vertical	Pass
2**	4224.000	38.80	54.0	15.20	AV	35.00	200	Vertical	Pass
3	5223.800	106.66	--	--	Peak	225.00	150	Vertical	N/A
3**	5223.800	97.70	--	--	AV	225.00	150	Vertical	N/A
4	7558.038	44.87	74.0	29.13	Peak	134.00	200	Vertical	Pass
4**	7558.038	35.87	54.0	18.13	AV	134.00	200	Vertical	Pass
5	12322.487	47.33	74.0	26.67	Peak	82.00	150	Vertical	Pass
5**	12322.487	37.80	54.0	16.20	AV	82.00	150	Vertical	Pass
6	15796.838	50.88	74.0	23.12	Peak	248.00	200	Vertical	Pass
6**	15796.838	42.35	54.0	11.65	AV	248.00	200	Vertical	Pass

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

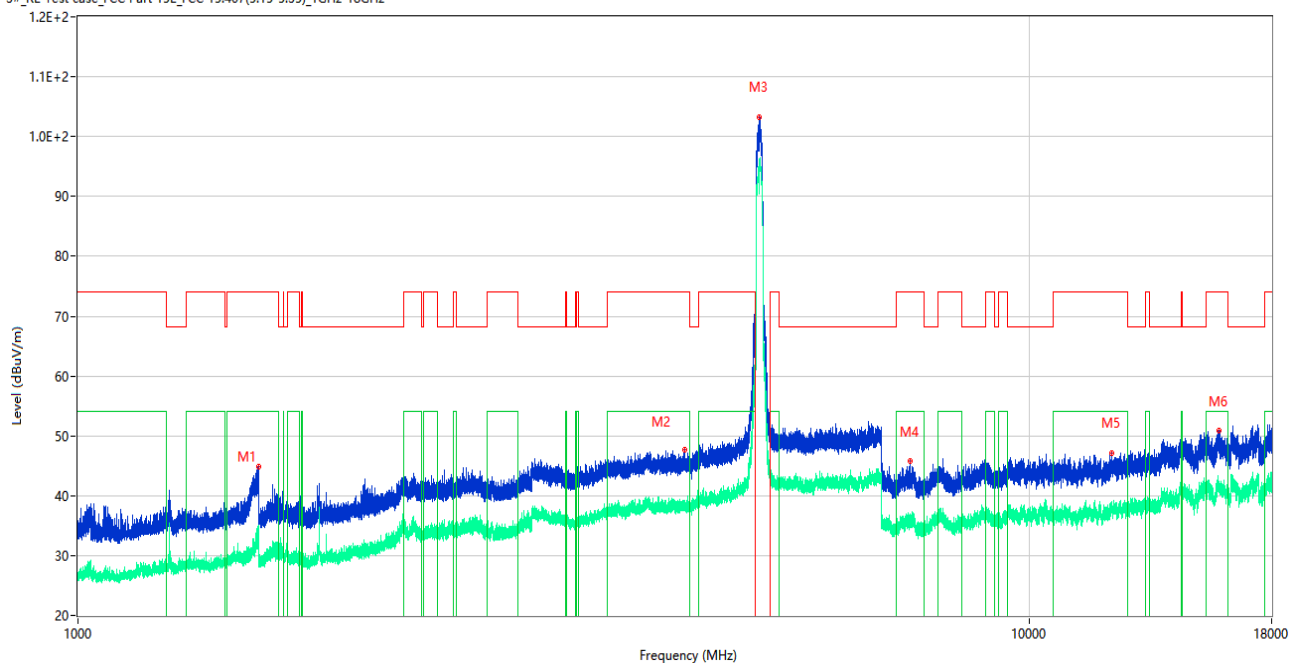
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1517.600	43.63	74.0	30.37	Peak	198.00	100	Horizontal	Pass
1**	1517.600	31.39	54.0	22.61	AV	198.00	100	Horizontal	Pass
2	4202.800	47.60	74.0	26.40	Peak	303.00	200	Horizontal	Pass
2**	4202.800	37.95	54.0	16.05	AV	303.00	200	Horizontal	Pass
3	5213.000	102.71	--	--	Peak	214.00	100	Horizontal	N/A
3**	5213.000	95.65	--	--	AV	214.00	100	Horizontal	N/A
4	7424.925	45.56	74.0	28.44	Peak	258.00	100	Horizontal	Pass
4**	7424.925	36.45	54.0	17.55	AV	258.00	100	Horizontal	Pass
5	11706.375	47.09	74.0	26.91	Peak	292.00	100	Horizontal	Pass
5**	11706.375	37.14	54.0	16.86	AV	292.00	100	Horizontal	Pass
6	15804.713	51.13	74.0	22.87	Peak	229.00	100	Horizontal	Pass
6**	15804.713	41.88	54.0	12.12	AV	229.00	100	Horizontal	Pass

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

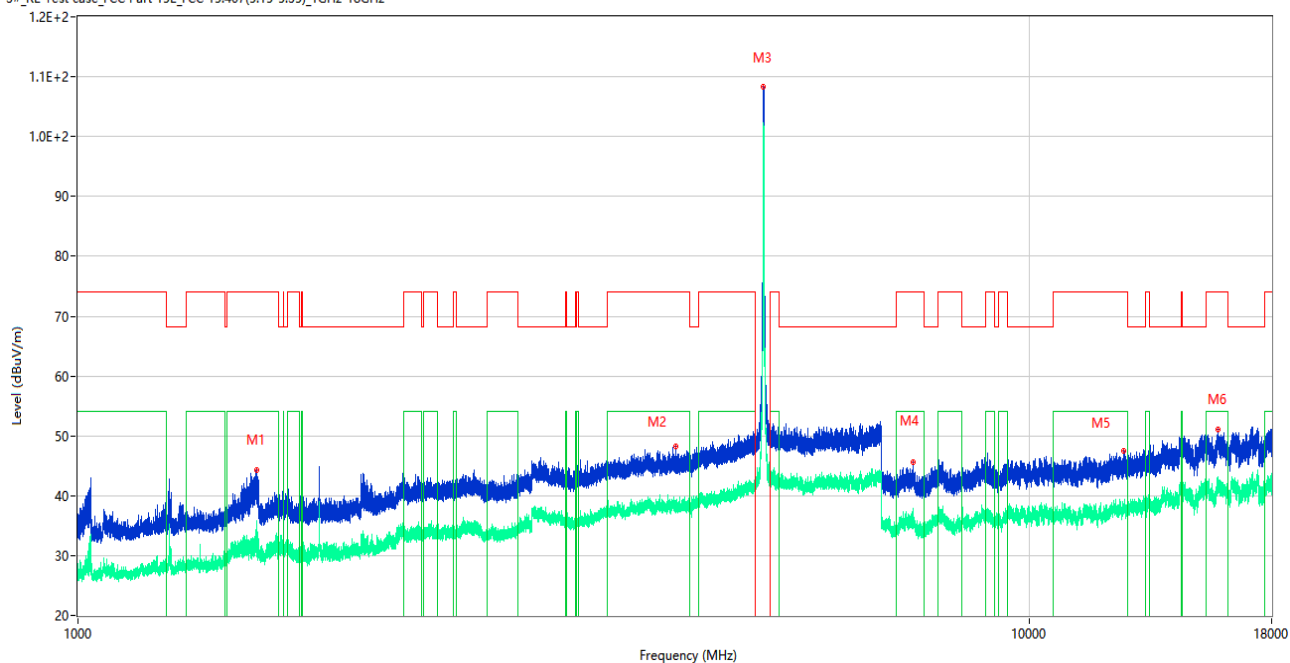
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1547.400	44.88	74.0	29.12	Peak	98.00	200	Vertical	Pass
1**	1547.400	34.31	54.0	19.69	AV	98.00	200	Vertical	Pass
2	4348.800	47.63	74.0	26.37	Peak	0.00	400	Vertical	Pass
2**	4348.800	38.67	54.0	15.33	AV	0.00	400	Vertical	Pass
3	5207.400	103.29	--	--	Peak	227.00	200	Vertical	N/A
3**	5207.400	95.16	--	--	AV	227.00	200	Vertical	N/A
4	7505.425	45.71	74.0	28.29	Peak	345.00	400	Vertical	Pass
4**	7505.425	35.98	54.0	18.02	AV	345.00	400	Vertical	Pass
5	12222.151	47.21	74.0	26.79	Peak	239.00	150	Vertical	Pass
5**	12222.151	37.81	54.0	16.19	AV	239.00	150	Vertical	Pass
6	15841.988	50.81	74.0	23.19	Peak	229.00	300	Vertical	Pass
6**	15841.988	42.07	54.0	11.93	AV	229.00	300	Vertical	Pass

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

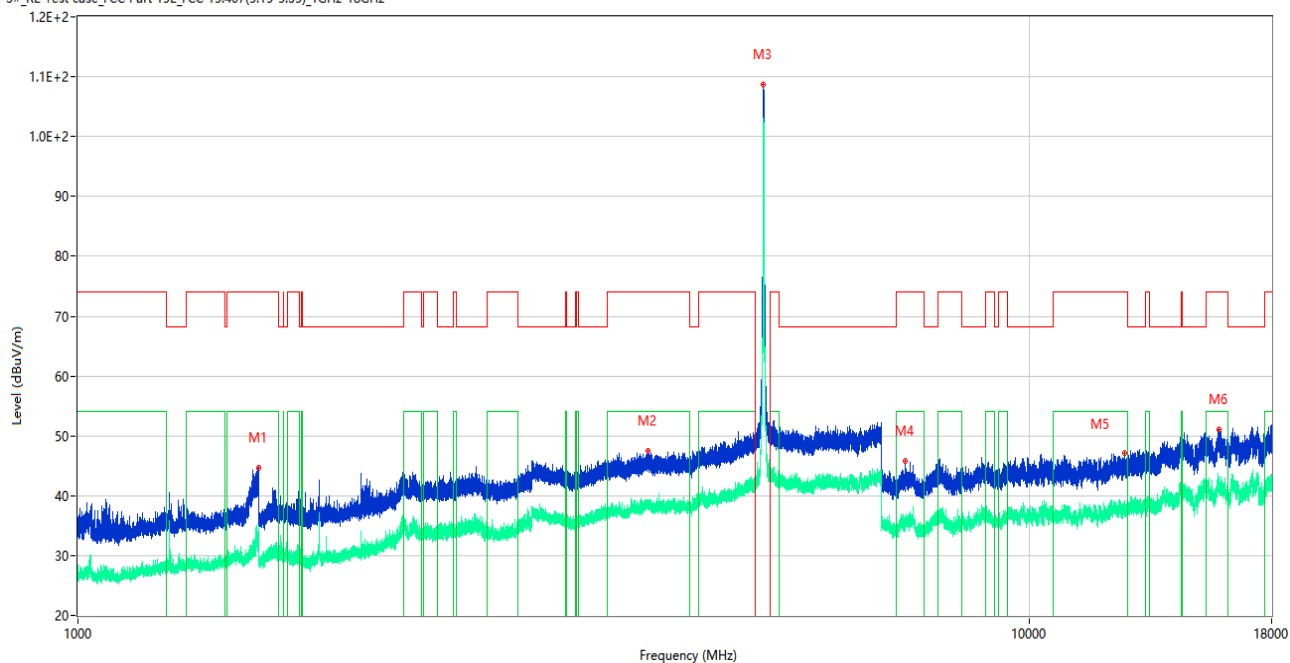
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1540.400	44.30	74.0	29.70	Peak	198.00	100	Horizontal	Pass
1**	1540.400	33.76	54.0	20.24	AV	198.00	100	Horizontal	Pass
2	4255.000	48.16	74.0	25.84	Peak	281.00	100	Horizontal	Pass
2**	4255.000	38.71	54.0	15.29	AV	281.00	100	Horizontal	Pass
3	5259.200	108.25	--	--	Peak	236.00	150	Horizontal	N/A
3**	5259.200	101.61	--	--	AV	236.00	150	Horizontal	N/A
4	7552.862	45.56	74.0	28.44	Peak	154.00	200	Horizontal	Pass
4**	7552.862	37.30	54.0	16.70	AV	154.00	200	Horizontal	Pass
5	12584.974	47.49	74.0	26.51	Peak	68.00	100	Horizontal	Pass
5**	12584.974	37.52	54.0	16.48	AV	68.00	100	Horizontal	Pass
6	15816.526	51.05	74.0	22.95	Peak	0.00	150	Horizontal	Pass
6**	15816.526	41.90	54.0	12.10	AV	0.00	150	Horizontal	Pass

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

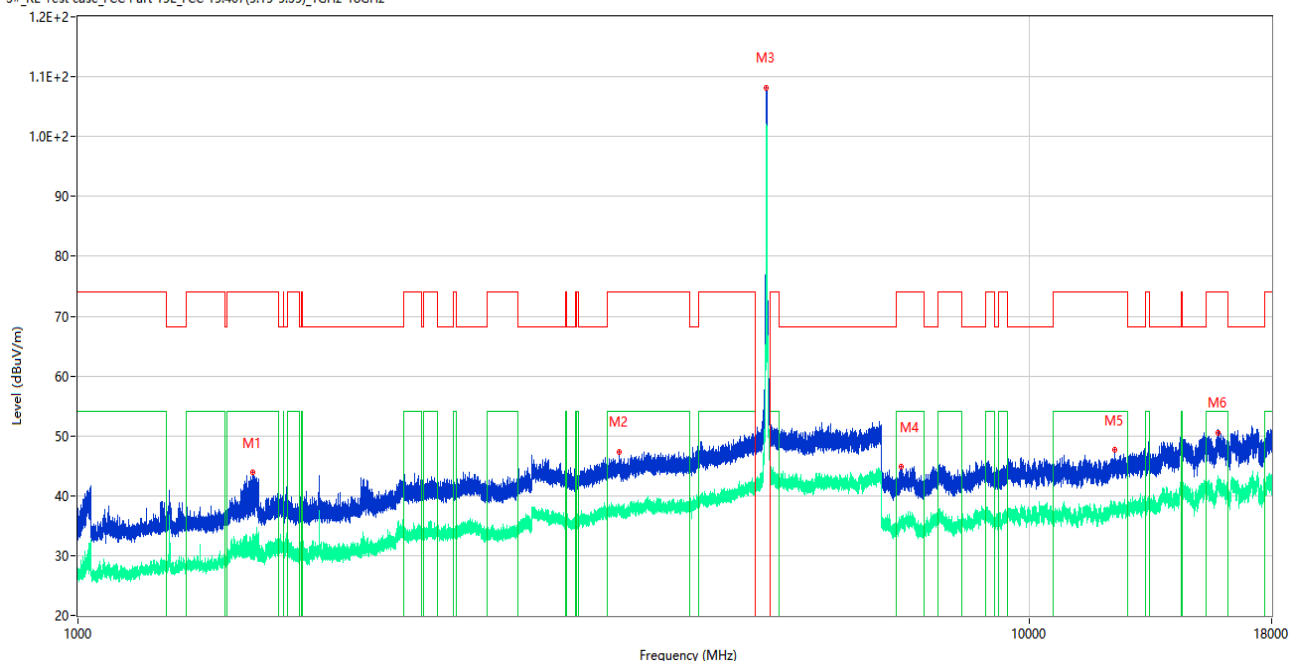
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1547.500	44.76	74.0	29.24	Peak	105.00	400	Vertical	Pass
1**	1547.500	32.38	54.0	21.62	AV	105.00	400	Vertical	Pass
2	3980.600	47.51	74.0	26.49	Peak	326.00	100	Vertical	Pass
2**	3980.600	38.57	54.0	15.43	AV	326.00	100	Vertical	Pass
3	5258.000	108.78	--	--	Peak	236.00	200	Vertical	N/A
3**	5258.000	101.37	--	--	AV	236.00	200	Vertical	N/A
4	7420.038	45.88	74.0	28.12	Peak	292.00	300	Vertical	Pass
4**	7420.038	36.02	54.0	17.98	AV	292.00	300	Vertical	Pass
5	12602.225	47.07	74.0	26.93	Peak	310.00	150	Vertical	Pass
5**	12602.225	38.13	54.0	15.87	AV	310.00	150	Vertical	Pass
6	15848.813	51.10	74.0	22.90	Peak	19.00	100	Vertical	Pass
6**	15848.813	41.29	54.0	12.71	AV	19.00	100	Vertical	Pass

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

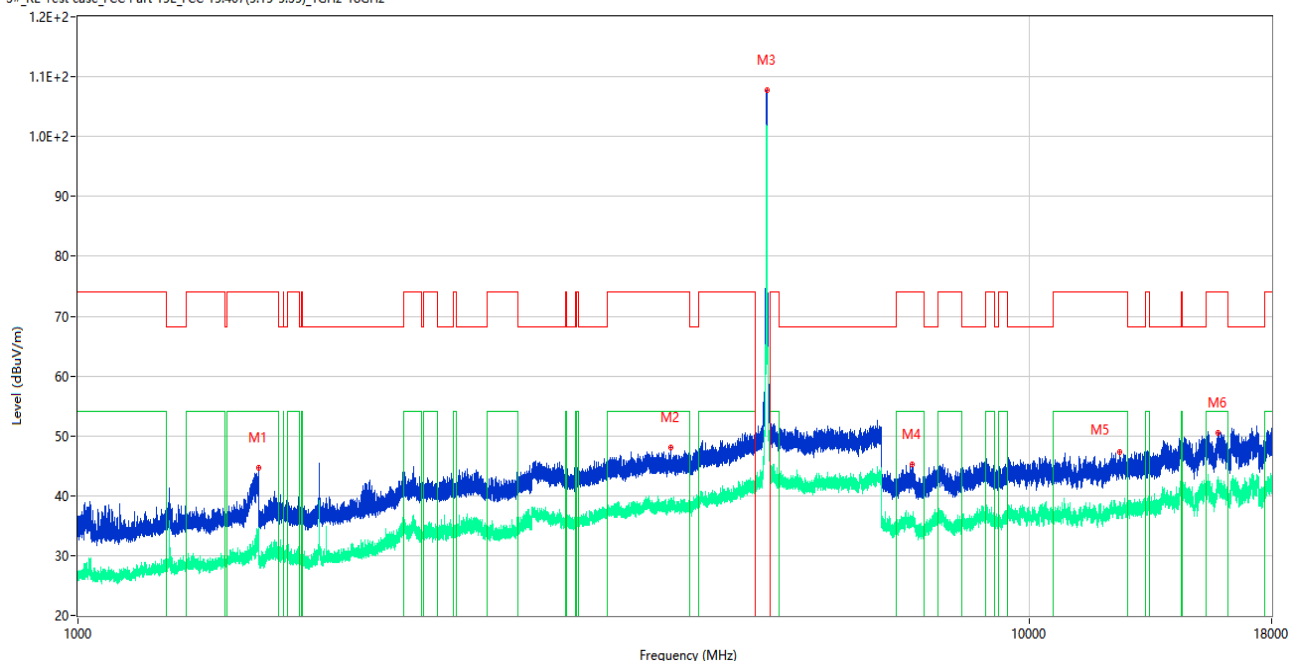
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1527.600	43.83	74.0	30.17	Peak	191.00	400	Horizontal	Pass
1**	1527.600	31.44	54.0	22.56	AV	191.00	400	Horizontal	Pass
2	3708.400	47.38	74.0	26.62	Peak	169.00	200	Horizontal	Pass
2**	3708.400	37.42	54.0	16.58	AV	169.00	200	Horizontal	Pass
3	5298.600	108.13	--	--	Peak	215.00	200	Horizontal	N/A
3**	5298.600	101.54	--	--	AV	215.00	200	Horizontal	N/A
4	7345.000	44.92	74.0	29.08	Peak	308.00	400	Horizontal	Pass
4**	7345.000	35.76	54.0	18.24	AV	308.00	400	Horizontal	Pass
5	12307.826	47.60	74.0	26.40	Peak	189.00	200	Horizontal	Pass
5**	12307.826	37.94	54.0	16.06	AV	189.00	200	Horizontal	Pass
6	15798.150	50.59	74.0	23.41	Peak	132.00	200	Horizontal	Pass
6**	15798.150	41.86	54.0	12.14	AV	132.00	200	Horizontal	Pass

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

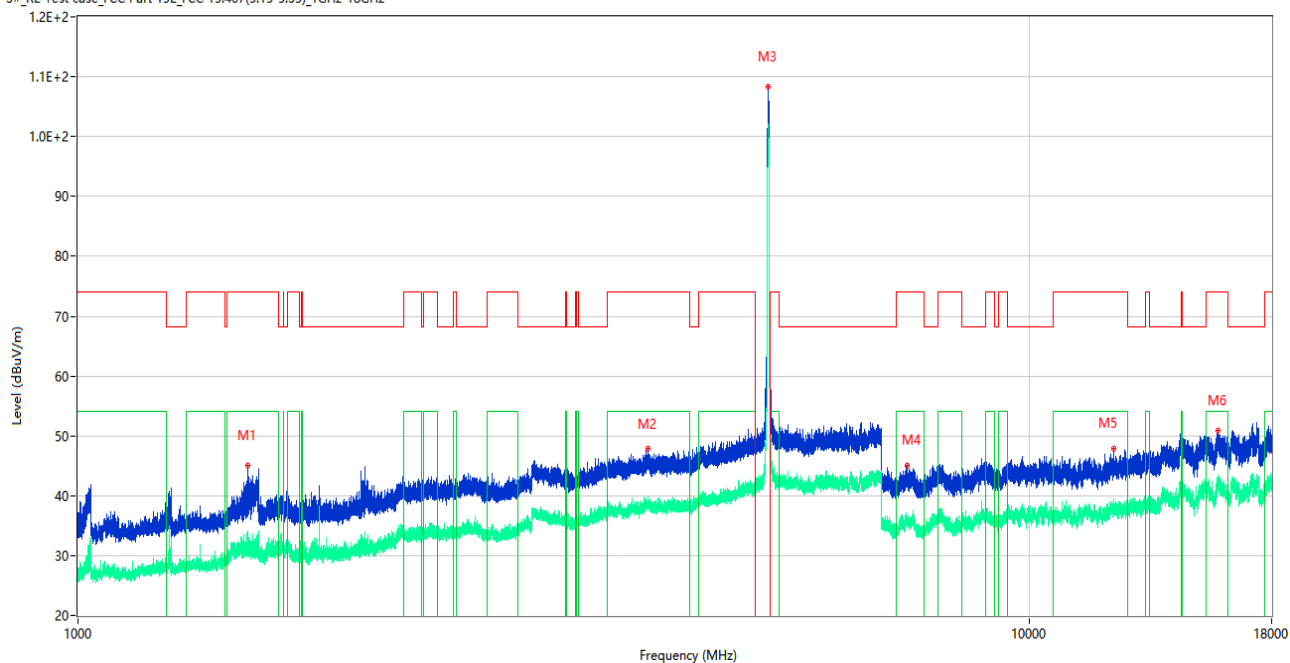
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1547.600	44.71	74.0	29.29	Peak	93.00	100	Vertical	Pass
1**	1547.600	33.89	54.0	20.11	AV	93.00	100	Vertical	Pass
2	4206.000	48.11	74.0	25.89	Peak	236.00	400	Vertical	Pass
2**	4206.000	37.92	54.0	16.08	AV	236.00	400	Vertical	Pass
3	5302.600	107.81	--	--	Peak	202.00	200	Vertical	N/A
3**	5302.600	101.22	--	--	AV	202.00	200	Vertical	N/A
4	7536.187	45.24	74.0	28.76	Peak	50.00	200	Vertical	Pass
4**	7536.187	35.80	54.0	18.20	AV	50.00	200	Vertical	Pass
5	12456.175	47.33	74.0	26.67	Peak	50.00	150	Vertical	Pass
5**	12456.175	37.78	54.0	16.22	AV	50.00	150	Vertical	Pass
6	15795.526	50.44	74.0	23.56	Peak	231.00	150	Vertical	Pass
6**	15795.526	41.82	54.0	12.18	AV	231.00	150	Vertical	Pass

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

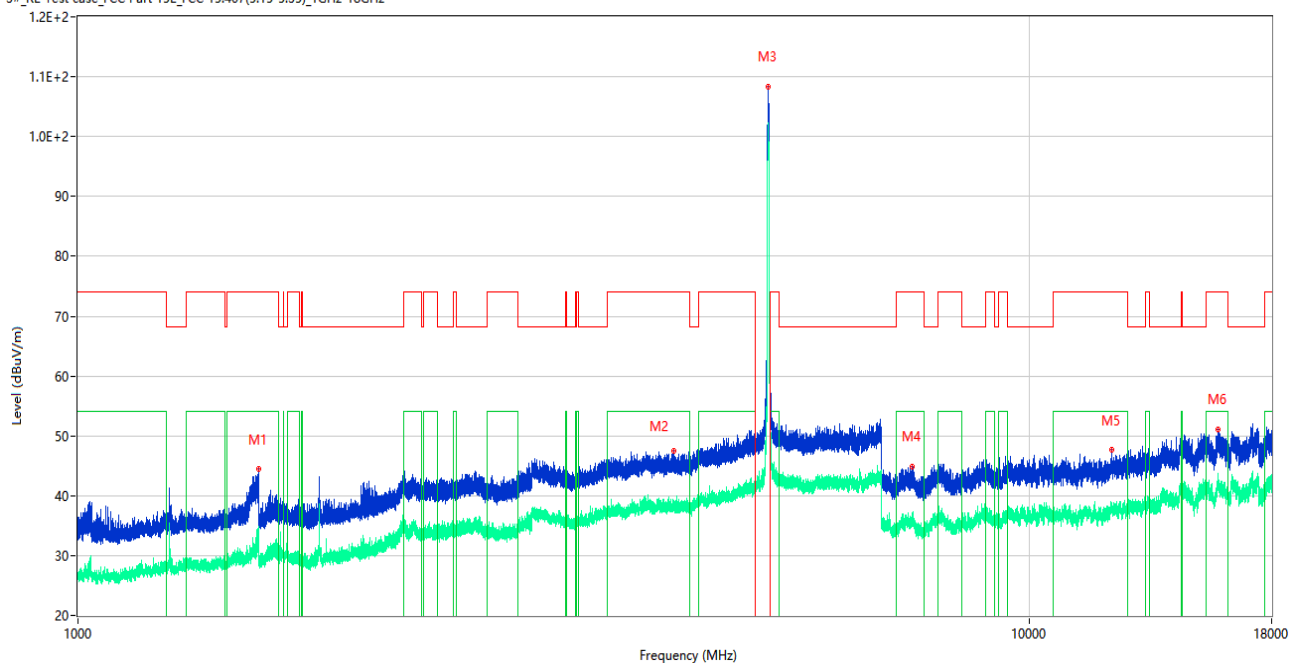
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1508.900	45.14	74.0	28.86	Peak	194.00	100	Horizontal	Pass
1**	1508.900	30.42	54.0	23.58	AV	194.00	100	Horizontal	Pass
2	3974.200	47.78	74.0	26.22	Peak	9.00	200	Horizontal	Pass
2**	3974.200	38.32	54.0	15.68	AV	9.00	200	Horizontal	Pass
3	5321.200	108.38	--	--	Peak	234.00	200	Horizontal	N/A
3**	5321.200	101.65	--	--	AV	234.00	200	Horizontal	N/A
4	7441.888	45.01	74.0	28.99	Peak	224.00	300	Horizontal	Pass
4**	7441.888	35.90	54.0	18.10	AV	224.00	300	Horizontal	Pass
5	12283.388	47.81	74.0	26.19	Peak	154.00	150	Horizontal	Pass
5**	12283.388	37.72	54.0	16.28	AV	154.00	150	Horizontal	Pass
6	15796.838	50.95	74.0	23.05	Peak	17.00	100	Horizontal	Pass
6**	15796.838	41.81	54.0	12.19	AV	17.00	100	Horizontal	Pass

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

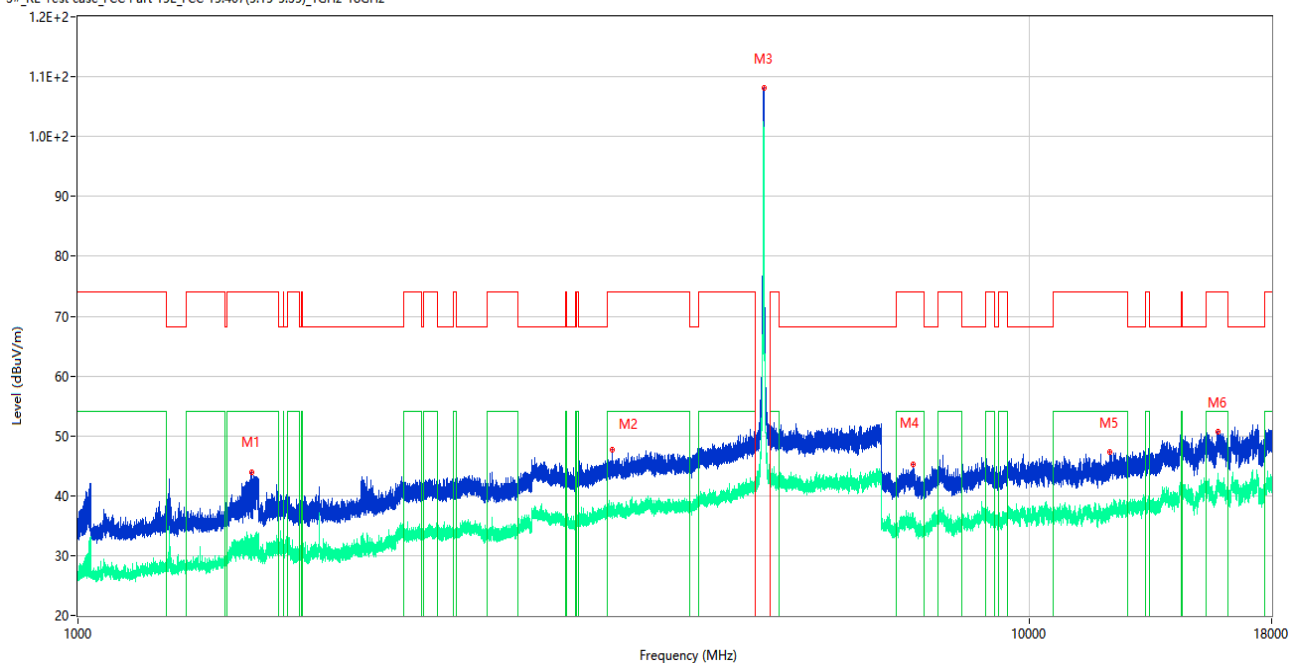
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1547.800	44.43	74.0	29.57	Peak	100.00	200	Vertical	Pass
1**	1547.800	30.65	54.0	23.35	AV	100.00	200	Vertical	Pass
2	4233.600	47.58	74.0	26.42	Peak	190.00	200	Vertical	Pass
2**	4233.600	38.34	54.0	15.66	AV	190.00	200	Vertical	Pass
3	5317.600	108.36	--	--	Peak	201.00	200	Vertical	N/A
3**	5317.600	100.84	--	--	AV	201.00	200	Vertical	N/A
4	7542.800	44.94	74.0	29.06	Peak	86.00	200	Vertical	Pass
4**	7542.800	36.63	54.0	17.37	AV	86.00	200	Vertical	Pass
5	12213.526	47.61	74.0	26.39	Peak	86.00	150	Vertical	Pass
5**	12213.526	37.74	54.0	16.26	AV	86.00	150	Vertical	Pass
6	15799.725	51.15	74.0	22.85	Peak	55.00	400	Vertical	Pass
6**	15799.725	42.63	54.0	11.37	AV	55.00	400	Vertical	Pass

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

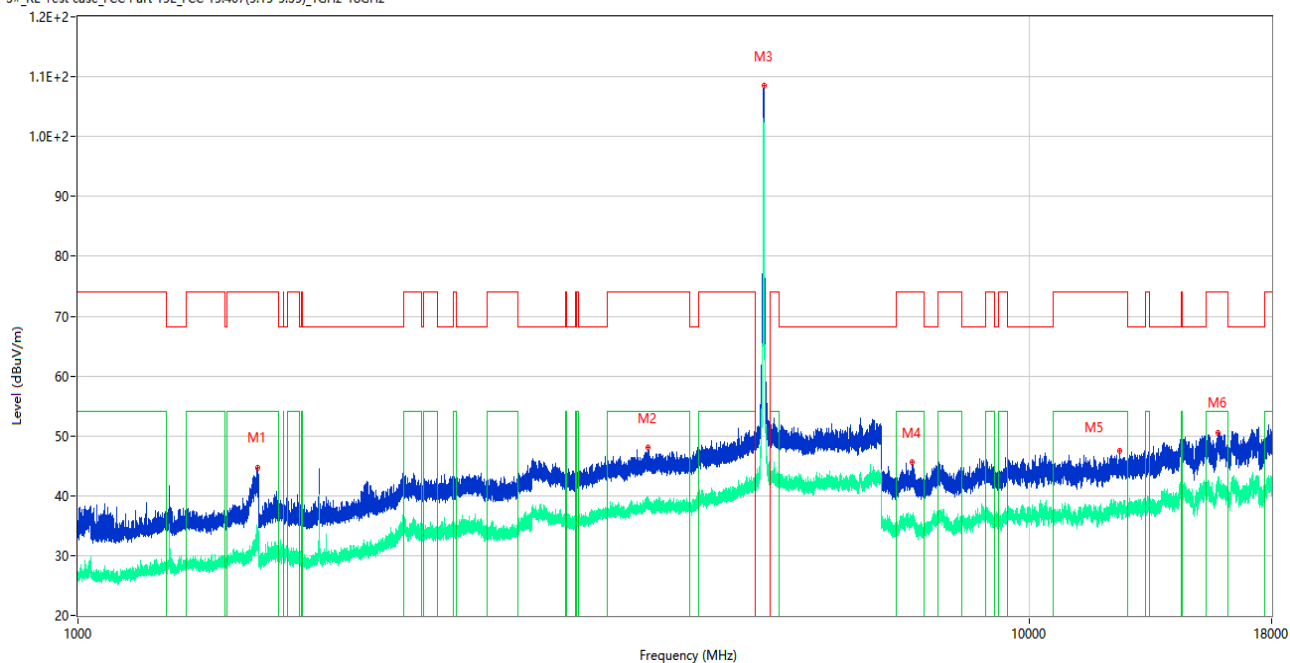
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1524.900	43.94	74.0	30.06	Peak	196.00	200	Horizontal	Pass
1**	1524.900	30.69	54.0	23.31	AV	196.00	200	Horizontal	Pass
2	3649.400	47.64	74.0	26.36	Peak	215.00	300	Horizontal	Pass
2**	3649.400	37.20	54.0	16.80	AV	215.00	300	Horizontal	Pass
3	5263.000	108.07	--	--	Peak	236.00	150	Horizontal	N/A
3**	5263.000	101.18	--	--	AV	236.00	150	Horizontal	N/A
4	7548.550	45.27	74.0	28.73	Peak	101.00	400	Horizontal	Pass
4**	7548.550	36.30	54.0	17.70	AV	101.00	400	Horizontal	Pass
5	12170.687	47.26	74.0	26.74	Peak	255.00	150	Horizontal	Pass
5**	12170.687	37.83	54.0	16.17	AV	255.00	150	Horizontal	Pass
6	15805.237	50.61	74.0	23.39	Peak	343.00	200	Horizontal	Pass
6**	15805.237	42.58	54.0	11.42	AV	343.00	200	Horizontal	Pass

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

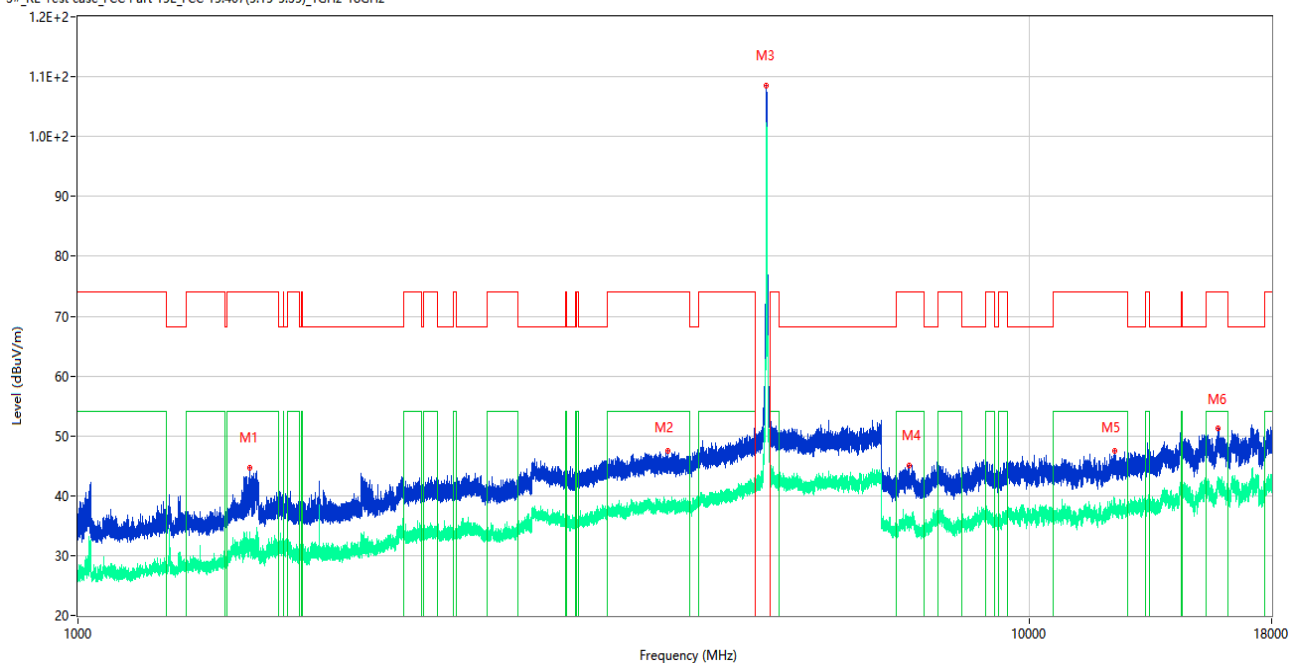
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1543.900	44.71	74.0	29.29	Peak	99.00	300	Vertical	Pass
1**	1543.900	32.61	54.0	21.39	AV	99.00	300	Vertical	Pass
2	3972.600	48.02	74.0	25.98	Peak	349.00	400	Vertical	Pass
2**	3972.600	38.57	54.0	15.43	AV	349.00	400	Vertical	Pass
3	5262.200	108.44	--	--	Peak	203.00	100	Vertical	N/A
3**	5262.200	100.63	--	--	AV	203.00	100	Vertical	N/A
4	7541.650	45.58	74.0	28.42	Peak	67.00	100	Vertical	Pass
4**	7541.650	36.43	54.0	17.57	AV	67.00	100	Vertical	Pass
5	12470.838	47.42	74.0	26.58	Peak	226.00	150	Vertical	Pass
5**	12470.838	37.41	54.0	16.59	AV	226.00	150	Vertical	Pass
6	15802.875	50.51	74.0	23.49	Peak	343.00	100	Vertical	Pass
6**	15802.875	42.27	54.0	11.73	AV	343.00	100	Vertical	Pass

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

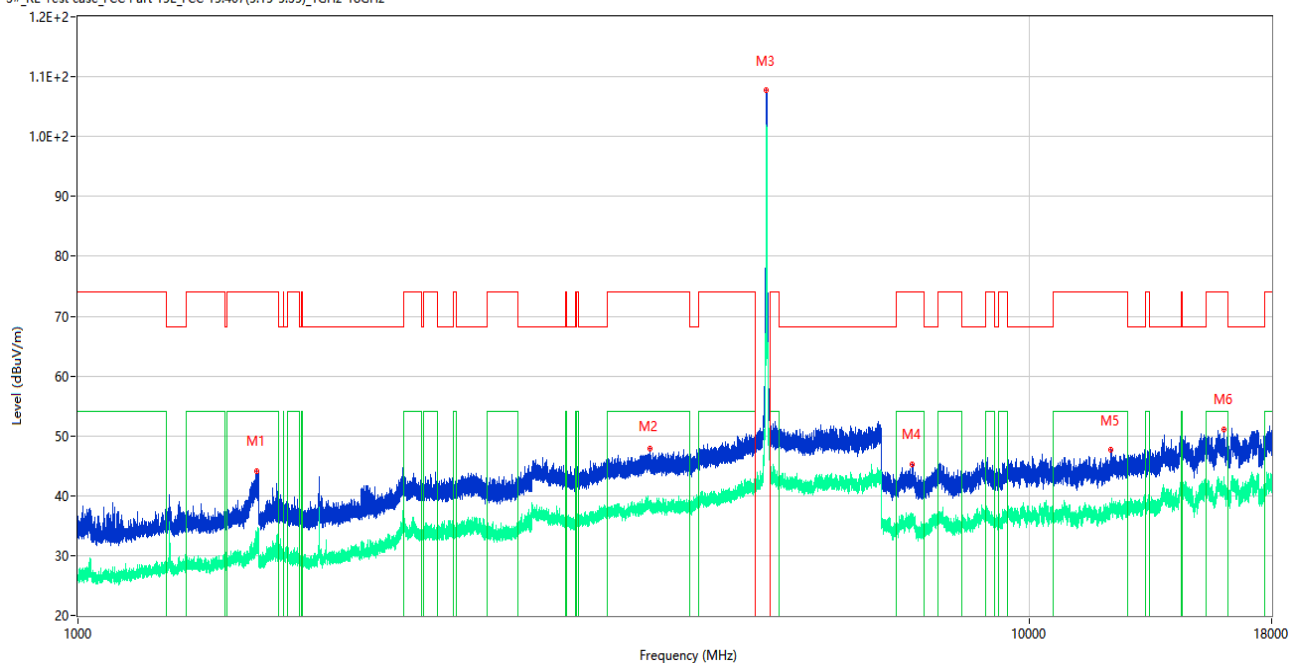
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1517.000	44.73	74.0	29.27	Peak	191.00	200	Horizontal	Pass
1**	1517.000	32.20	54.0	21.80	AV	191.00	200	Horizontal	Pass
2	4174.800	47.54	74.0	26.46	Peak	88.00	200	Horizontal	Pass
2**	4174.800	38.77	54.0	15.23	AV	88.00	200	Horizontal	Pass
3	5298.400	108.58	--	--	Peak	223.00	200	Horizontal	N/A
3**	5298.400	101.92	--	--	AV	223.00	200	Horizontal	N/A
4	7477.250	45.11	74.0	28.89	Peak	224.00	200	Horizontal	Pass
4**	7477.250	35.68	54.0	18.32	AV	224.00	200	Horizontal	Pass
5	12317.887	47.48	74.0	26.52	Peak	224.00	150	Horizontal	Pass
5**	12317.887	37.68	54.0	16.32	AV	224.00	150	Horizontal	Pass
6	15806.026	51.20	74.0	22.80	Peak	93.00	200	Horizontal	Pass
6**	15806.026	42.98	54.0	11.02	AV	93.00	200	Horizontal	Pass

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

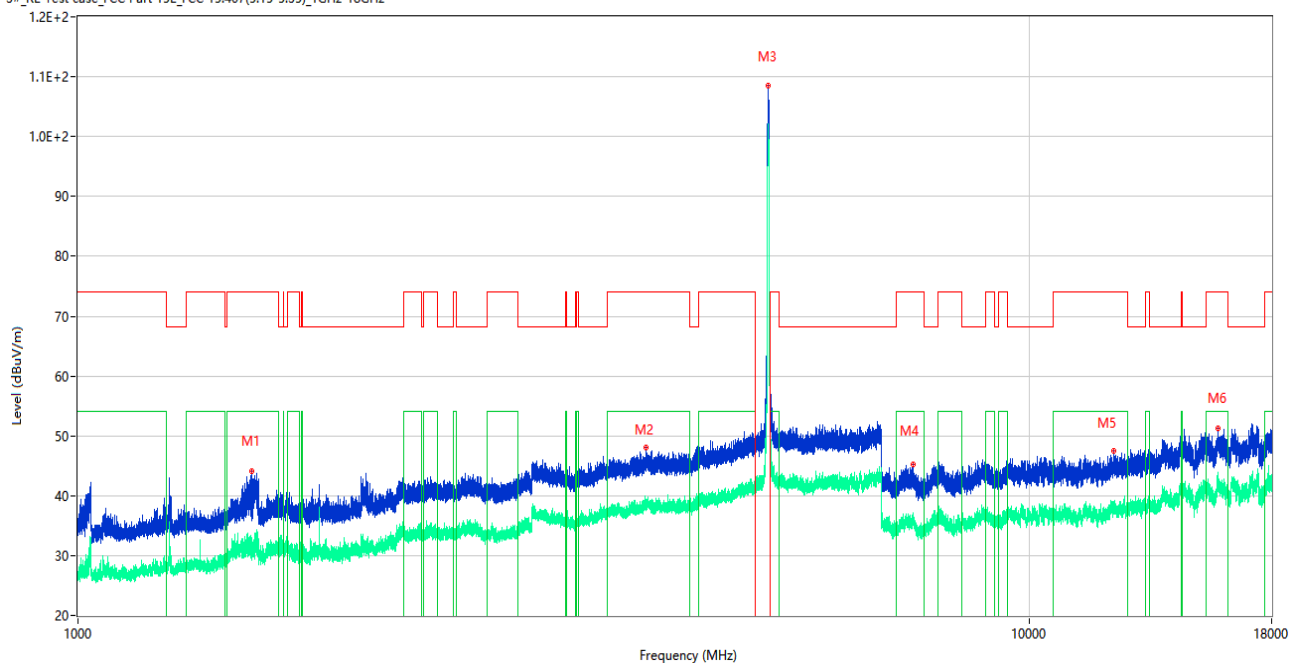
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1542.100	44.17	74.0	29.83	Peak	99.00	400	Vertical	Pass
1**	1542.100	31.99	54.0	22.01	AV	99.00	400	Vertical	Pass
2	3998.400	47.85	74.0	26.15	Peak	325.00	100	Vertical	Pass
2**	3998.400	38.46	54.0	15.54	AV	325.00	100	Vertical	Pass
3	5299.400	107.74	--	--	Peak	200.00	200	Vertical	N/A
3**	5299.400	101.05	--	--	AV	200.00	200	Vertical	N/A
4	7538.200	45.31	74.0	28.69	Peak	258.00	200	Vertical	Pass
4**	7538.200	35.67	54.0	18.33	AV	258.00	200	Vertical	Pass
5	12203.175	47.59	74.0	26.41	Peak	32.00	150	Vertical	Pass
5**	12203.175	38.05	54.0	15.95	AV	32.00	150	Vertical	Pass
6	16019.438	51.15	74.0	22.85	Peak	229.00	200	Vertical	Pass
6**	16019.438	41.92	54.0	12.08	AV	229.00	200	Vertical	Pass

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

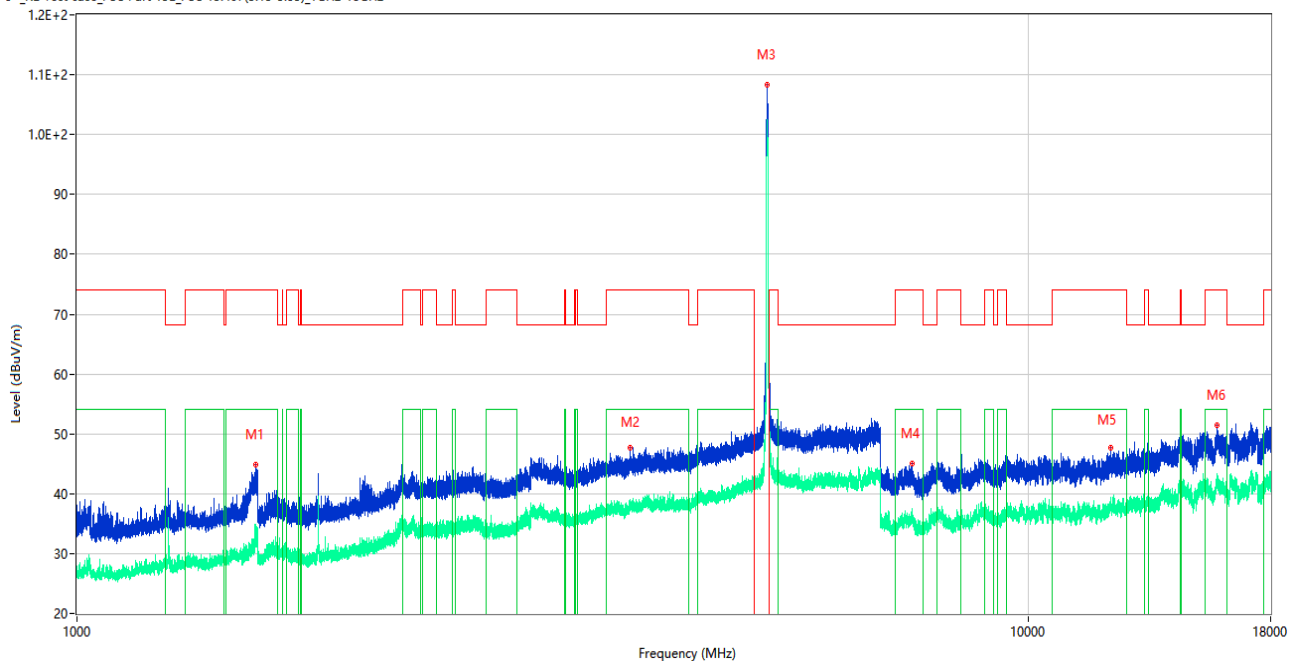
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1522.400	44.13	74.0	29.87	Peak	196.00	400	Horizontal	Pass
1**	1522.400	30.72	54.0	23.28	AV	196.00	400	Horizontal	Pass
2	3957.200	47.98	74.0	26.02	Peak	190.00	100	Horizontal	Pass
2**	3957.200	39.44	54.0	14.56	AV	190.00	100	Horizontal	Pass
3	5321.000	108.48	--	--	Peak	245.00	100	Horizontal	N/A
3**	5321.000	101.10	--	--	AV	245.00	100	Horizontal	N/A
4	7547.687	45.29	74.0	28.71	Peak	190.00	100	Horizontal	Pass
4**	7547.687	36.38	54.0	17.62	AV	190.00	100	Horizontal	Pass
5	12281.662	47.44	74.0	26.56	Peak	360.00	100	Horizontal	Pass
5**	12281.662	38.05	54.0	15.95	AV	360.00	100	Horizontal	Pass
6	15795.526	51.35	74.0	22.65	Peak	149.00	400	Horizontal	Pass
6**	15795.526	41.42	54.0	12.58	AV	149.00	400	Horizontal	Pass

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

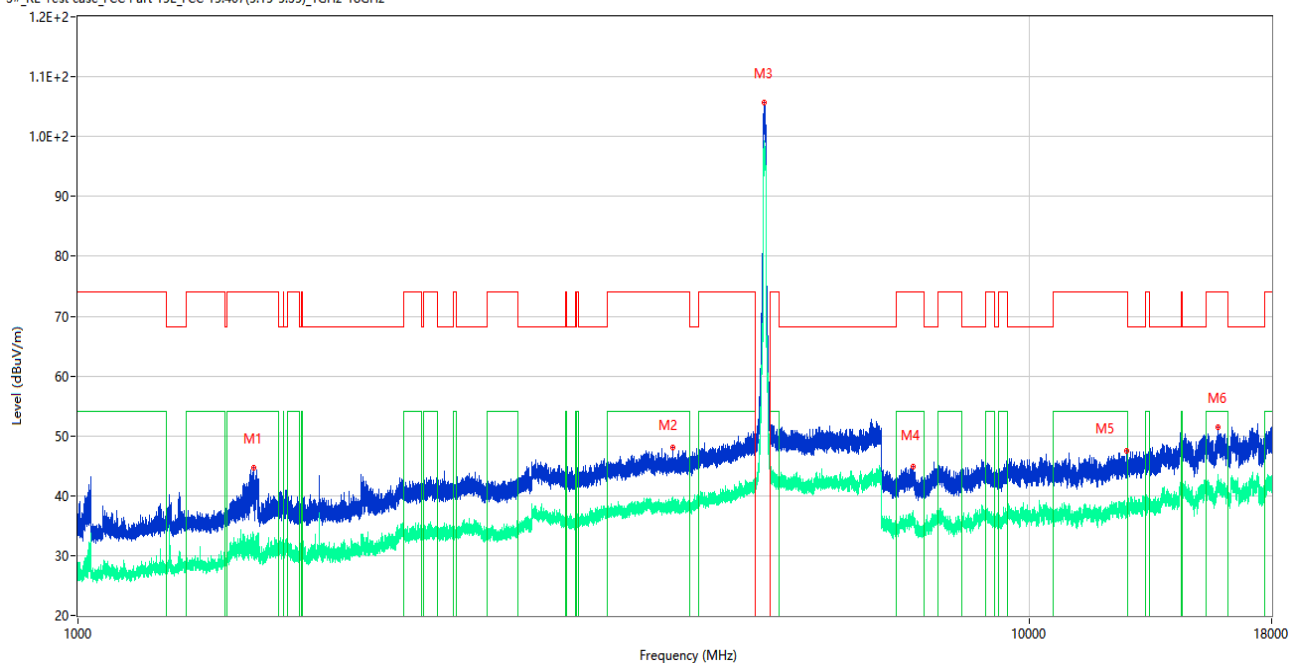
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1540.900	44.88	74.0	29.12	Peak	105.00	300	Vertical	Pass
1**	1540.900	31.39	54.0	22.61	AV	105.00	300	Vertical	Pass
2	3820.800	47.72	74.0	26.28	Peak	312.00	100	Vertical	Pass
2**	3820.800	37.99	54.0	16.01	AV	312.00	100	Vertical	Pass
3	5317.600	108.41	--	--	Peak	200.00	200	Vertical	N/A
3**	5317.600	101.37	--	--	AV	200.00	200	Vertical	N/A
4	7547.687	45.07	74.0	28.93	Peak	138.00	100	Vertical	Pass
4**	7547.687	36.55	54.0	17.45	AV	138.00	100	Vertical	Pass
5	12227.613	47.60	74.0	26.40	Peak	69.00	200	Vertical	Pass
5**	12227.613	38.68	54.0	15.32	AV	69.00	200	Vertical	Pass
6	15803.400	51.52	74.0	22.48	Peak	264.00	100	Vertical	Pass
6**	15803.400	42.10	54.0	11.90	AV	264.00	100	Vertical	Pass

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

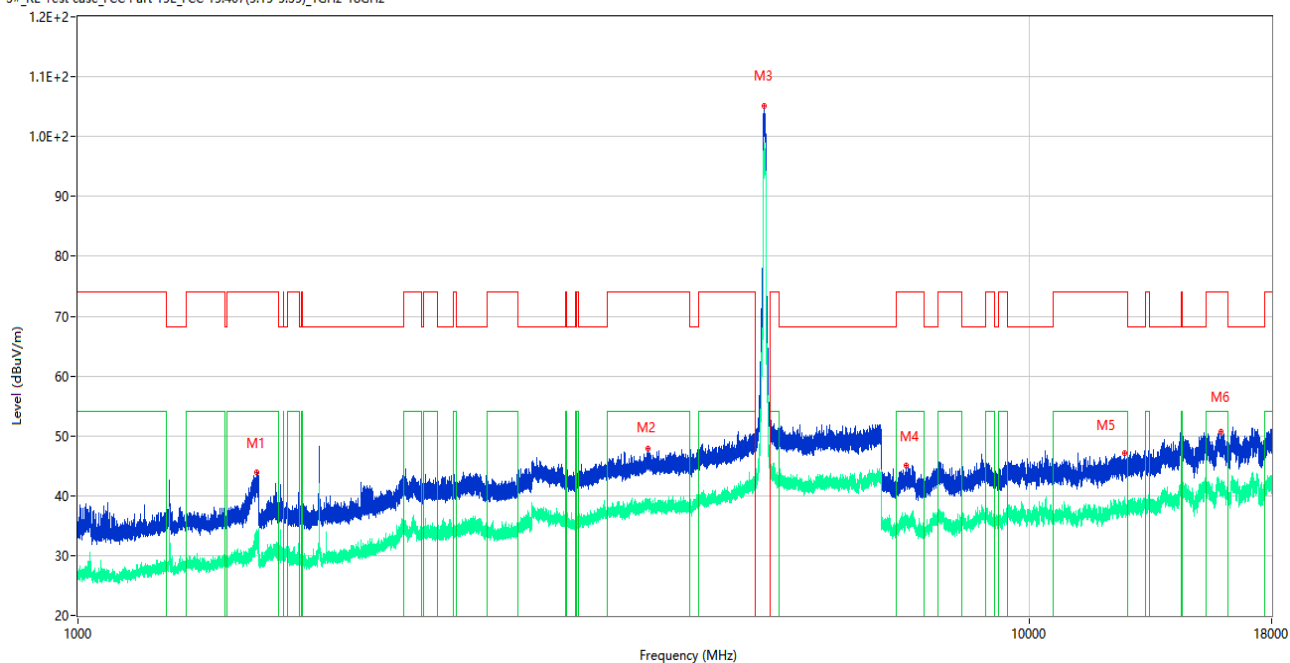
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1532.000	44.58	74.0	29.42	Peak	190.00	200	Horizontal	Pass
1**	1532.000	31.59	54.0	22.41	AV	190.00	200	Horizontal	Pass
2	4224.800	47.97	74.0	26.03	Peak	16.00	100	Horizontal	Pass
2**	4224.800	38.36	54.0	15.64	AV	16.00	100	Horizontal	Pass
3	5266.000	105.64	--	--	Peak	210.00	200	Horizontal	N/A
3**	5266.000	98.11	--	--	AV	210.00	200	Horizontal	N/A
4	7546.825	44.83	74.0	29.17	Peak	346.00	100	Horizontal	Pass
4**	7546.825	35.99	54.0	18.01	AV	346.00	100	Horizontal	Pass
5	12663.463	47.52	74.0	26.48	Peak	104.00	150	Horizontal	Pass
5**	12663.463	37.42	54.0	16.58	AV	104.00	150	Horizontal	Pass
6	15815.474	51.38	74.0	22.62	Peak	342.00	200	Horizontal	Pass
6**	15815.474	41.78	54.0	12.22	AV	342.00	200	Horizontal	Pass

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

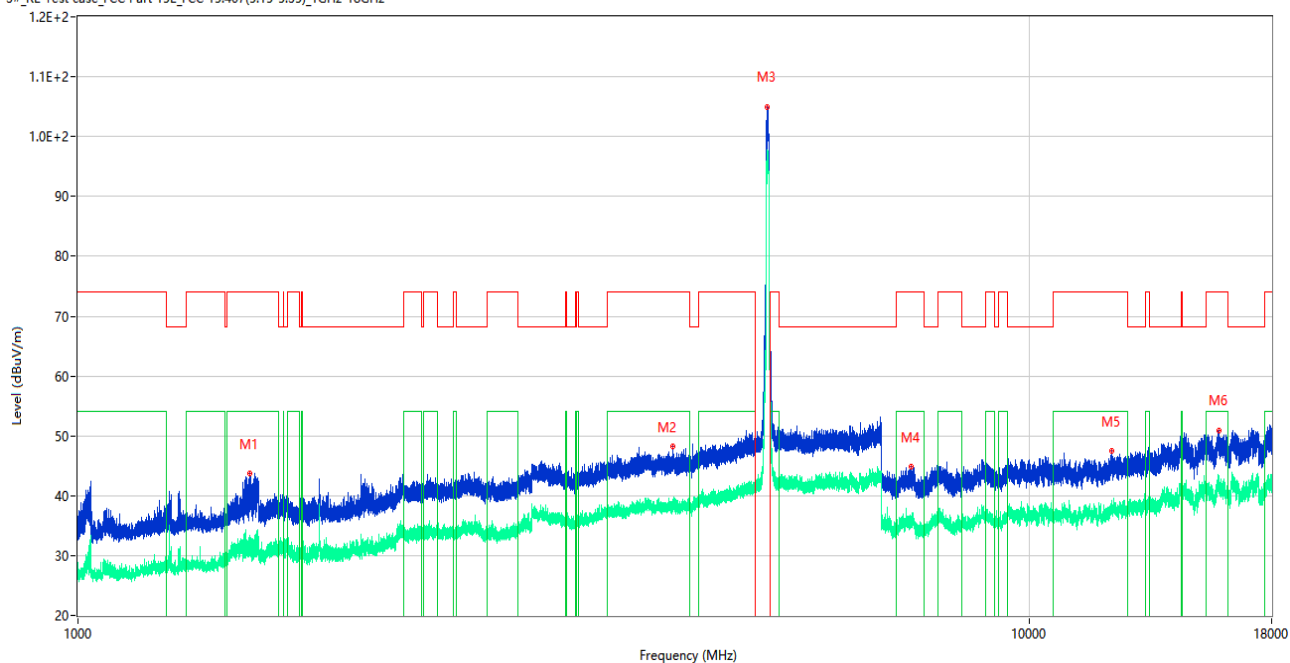
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1540.900	43.85	74.0	30.15	Peak	102.00	100	Vertical	Pass
1**	1540.900	32.18	54.0	21.82	AV	102.00	100	Vertical	Pass
2	3977.200	47.91	74.0	26.09	Peak	18.00	400	Vertical	Pass
2**	3977.200	38.99	54.0	15.01	AV	18.00	400	Vertical	Pass
3	5274.000	105.20	--	--	Peak	222.00	200	Vertical	N/A
3**	5274.000	97.47	--	--	AV	222.00	200	Vertical	N/A
4	7421.763	45.00	74.0	29.00	Peak	291.00	100	Vertical	Pass
4**	7421.763	36.37	54.0	17.63	AV	291.00	100	Vertical	Pass
5	12599.925	47.07	74.0	26.93	Peak	291.00	100	Vertical	Pass
5**	12599.925	38.27	54.0	15.73	AV	291.00	100	Vertical	Pass
6	15918.900	50.67	74.0	23.33	Peak	265.00	100	Vertical	Pass
6**	15918.900	41.68	54.0	12.32	AV	265.00	100	Vertical	Pass

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

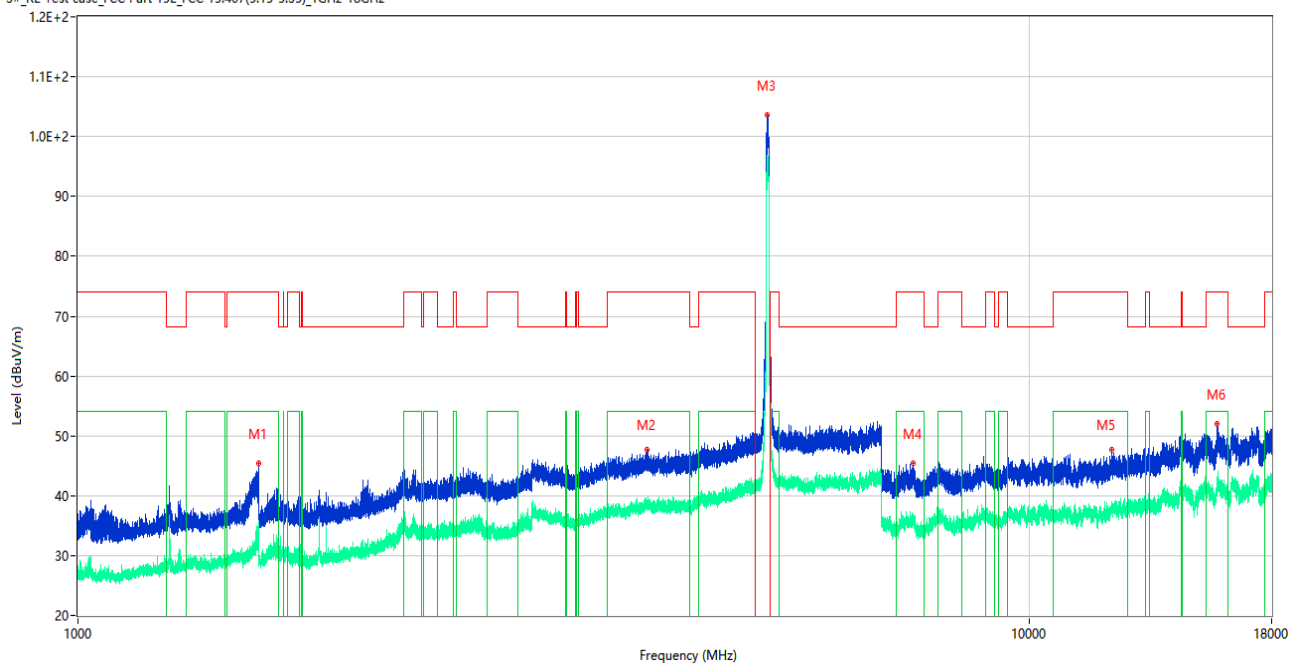
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1515.300	43.70	74.0	30.30	Peak	204.00	400	Horizontal	Pass
1**	1515.300	31.55	54.0	22.45	AV	204.00	400	Horizontal	Pass
2	4220.200	48.15	74.0	25.85	Peak	174.00	300	Horizontal	Pass
2**	4220.200	37.98	54.0	16.02	AV	174.00	300	Horizontal	Pass
3	5311.200	104.99	--	--	Peak	221.00	100	Horizontal	N/A
3**	5311.200	97.61	--	--	AV	221.00	100	Horizontal	N/A
4	7511.750	44.83	74.0	29.17	Peak	278.00	200	Horizontal	Pass
4**	7511.750	35.63	54.0	18.37	AV	278.00	200	Horizontal	Pass
5	12214.100	47.48	74.0	26.52	Peak	360.00	200	Horizontal	Pass
5**	12214.100	37.95	54.0	16.05	AV	360.00	200	Horizontal	Pass
6	15851.963	50.93	74.0	23.07	Peak	0.00	400	Horizontal	Pass
6**	15851.963	41.53	54.0	12.47	AV	0.00	400	Horizontal	Pass

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

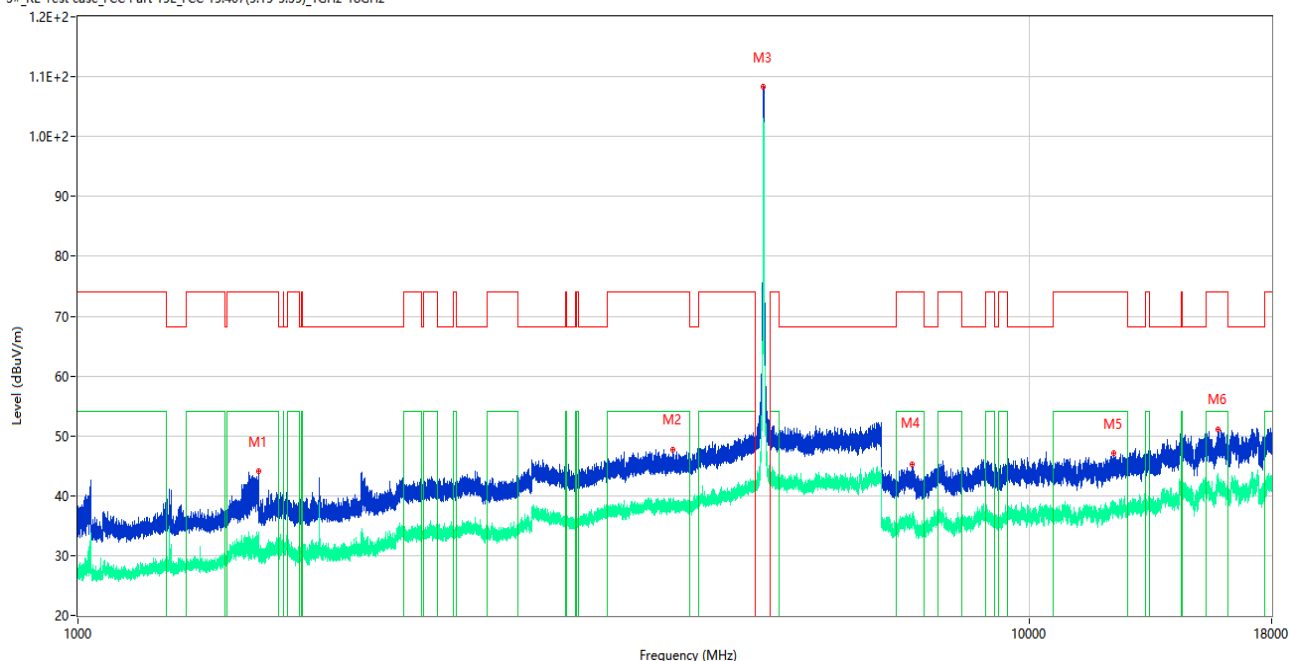
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1547.400	45.37	74.0	28.63	Peak	104.00	300	Vertical	Pass
1**	1547.400	33.69	54.0	20.31	AV	104.00	300	Vertical	Pass
2	3968.400	47.76	74.0	26.24	Peak	0.00	300	Vertical	Pass
2**	3968.400	38.22	54.0	15.78	AV	0.00	300	Vertical	Pass
3	5311.600	103.57	--	--	Peak	311.00	100	Vertical	N/A
3**	5311.600	96.32	--	--	AV	311.00	100	Vertical	N/A
4	7548.837	45.33	74.0	28.67	Peak	104.00	100	Vertical	Pass
4**	7548.837	36.23	54.0	17.77	AV	104.00	100	Vertical	Pass
5	12231.925	47.65	74.0	26.35	Peak	87.00	150	Vertical	Pass
5**	12231.925	38.06	54.0	15.94	AV	87.00	150	Vertical	Pass
6	15784.500	51.98	74.0	22.02	Peak	305.00	300	Vertical	Pass
6**	15784.500	42.15	54.0	11.85	AV	305.00	300	Vertical	Pass

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

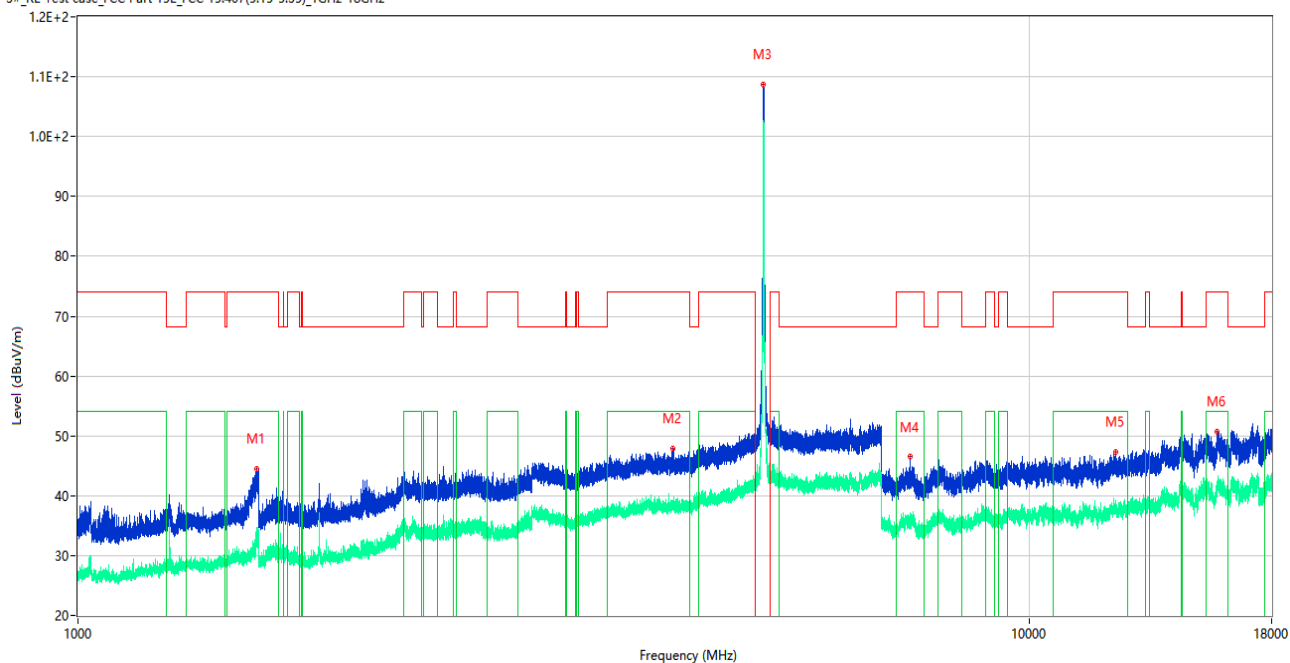
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1548.000	44.06	74.0	29.94	Peak	263.00	100	Horizontal	Pass
1**	1548.000	29.55	54.0	24.45	AV	263.00	100	Horizontal	Pass
2	4222.600	47.74	74.0	26.26	Peak	0.00	400	Horizontal	Pass
2**	4222.600	38.27	54.0	15.73	AV	0.00	400	Horizontal	Pass
3	5259.400	108.30	--	--	Peak	235.00	100	Horizontal	N/A
3**	5259.400	101.77	--	--	AV	235.00	100	Horizontal	N/A
4	7546.250	45.24	74.0	28.76	Peak	274.00	300	Horizontal	Pass
4**	7546.250	36.28	54.0	17.72	AV	274.00	300	Horizontal	Pass
5	12280.800	47.05	74.0	26.95	Peak	0.00	150	Horizontal	Pass
5**	12280.800	37.63	54.0	16.37	AV	0.00	150	Horizontal	Pass
6	15803.400	51.11	74.0	22.89	Peak	115.00	400	Horizontal	Pass
6**	15803.400	42.72	54.0	11.28	AV	115.00	400	Horizontal	Pass

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

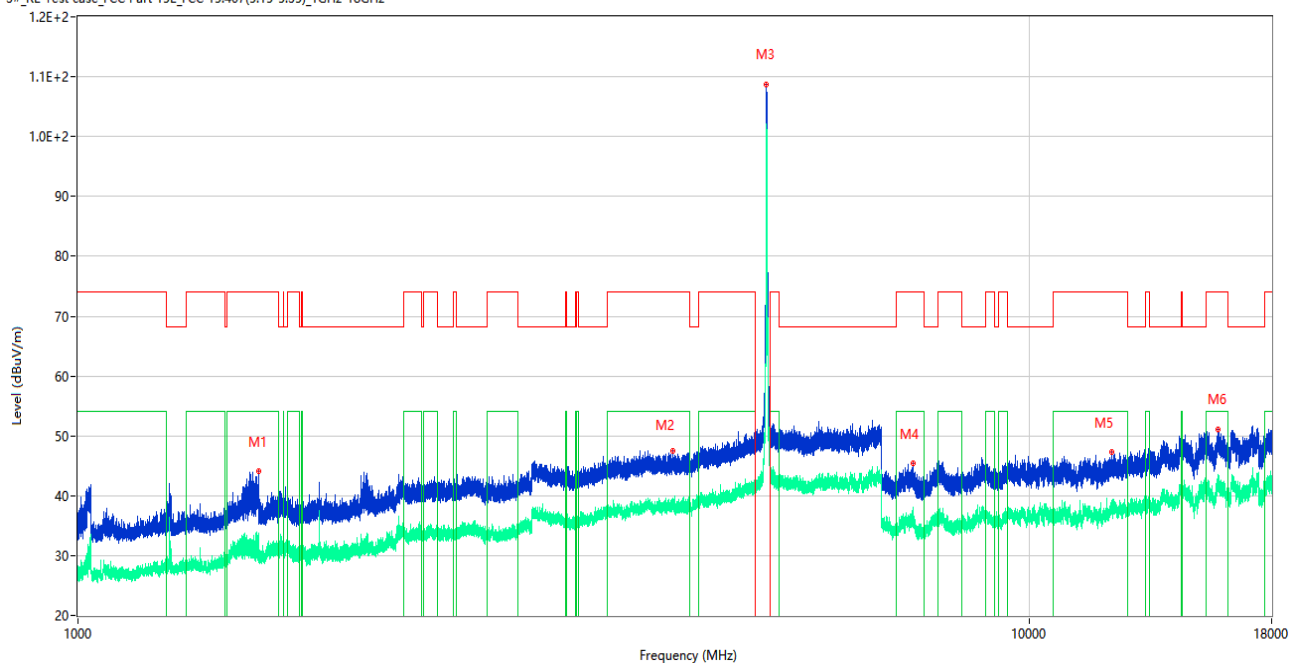
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1542.500	44.48	74.0	29.52	Peak	104.00	300	Vertical	Pass
1**	1542.500	32.43	54.0	21.57	AV	104.00	300	Vertical	Pass
2	4226.600	47.89	74.0	26.11	Peak	88.00	200	Vertical	Pass
2**	4226.600	38.20	54.0	15.80	AV	88.00	200	Vertical	Pass
3	5258.800	108.79	--	--	Peak	201.00	100	Vertical	N/A
3**	5258.800	101.09	--	--	AV	201.00	100	Vertical	N/A
4	7501.400	46.50	74.0	27.50	Peak	81.00	400	Vertical	Pass
4**	7501.400	35.61	54.0	18.39	AV	81.00	400	Vertical	Pass
5	12348.937	47.34	74.0	26.66	Peak	288.00	150	Vertical	Pass
5**	12348.937	37.17	54.0	16.83	AV	288.00	150	Vertical	Pass
6	15786.599	50.69	74.0	23.31	Peak	57.00	100	Vertical	Pass
6**	15786.599	41.63	54.0	12.37	AV	57.00	100	Vertical	Pass

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

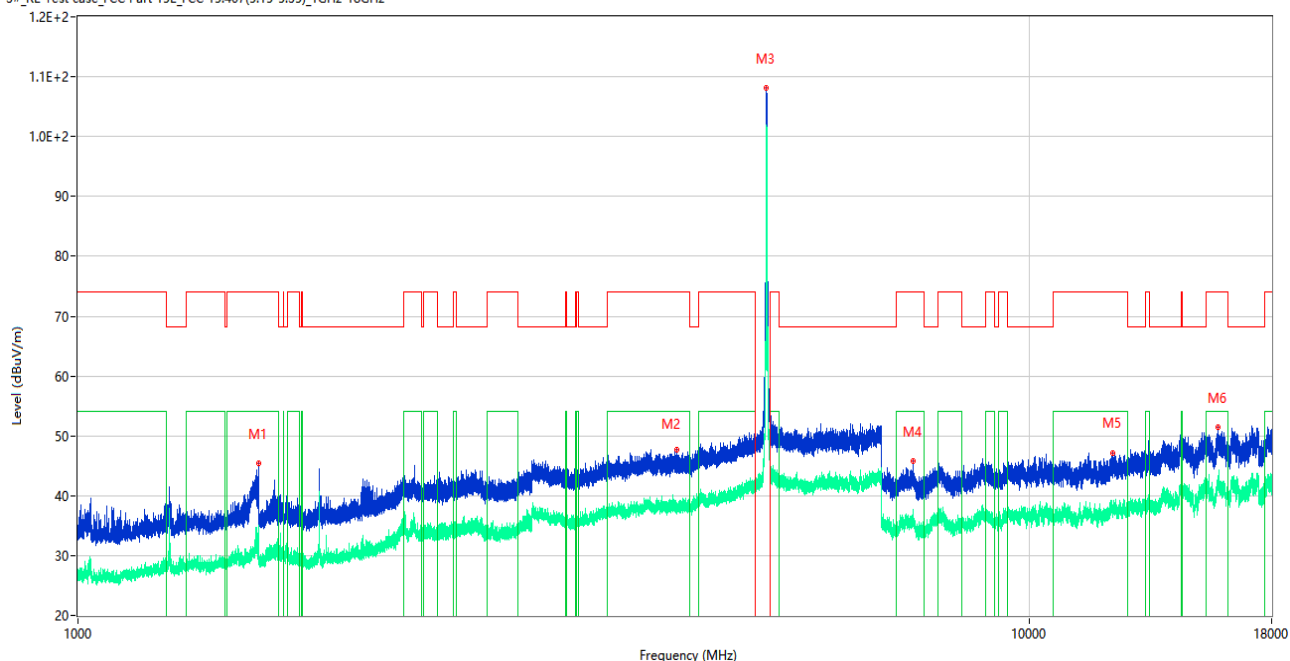
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1547.600	44.06	74.0	29.94	Peak	199.00	400	Horizontal	Pass
1**	1547.600	32.37	54.0	21.63	AV	199.00	400	Horizontal	Pass
2	4218.600	47.51	74.0	26.49	Peak	235.00	100	Horizontal	Pass
2**	4218.600	38.40	54.0	15.60	AV	235.00	100	Horizontal	Pass
3	5298.400	108.75	--	--	Peak	213.00	150	Horizontal	N/A
3**	5298.400	102.16	--	--	AV	213.00	150	Horizontal	N/A
4	7549.700	45.34	74.0	28.66	Peak	85.00	200	Horizontal	Pass
4**	7549.700	36.78	54.0	17.22	AV	85.00	200	Horizontal	Pass
5	12234.512	47.30	74.0	26.70	Peak	33.00	150	Horizontal	Pass
5**	12234.512	38.09	54.0	15.91	AV	33.00	150	Horizontal	Pass
6	15799.725	51.09	74.0	22.91	Peak	36.00	400	Horizontal	Pass
6**	15799.725	42.59	54.0	11.41	AV	36.00	400	Horizontal	Pass

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

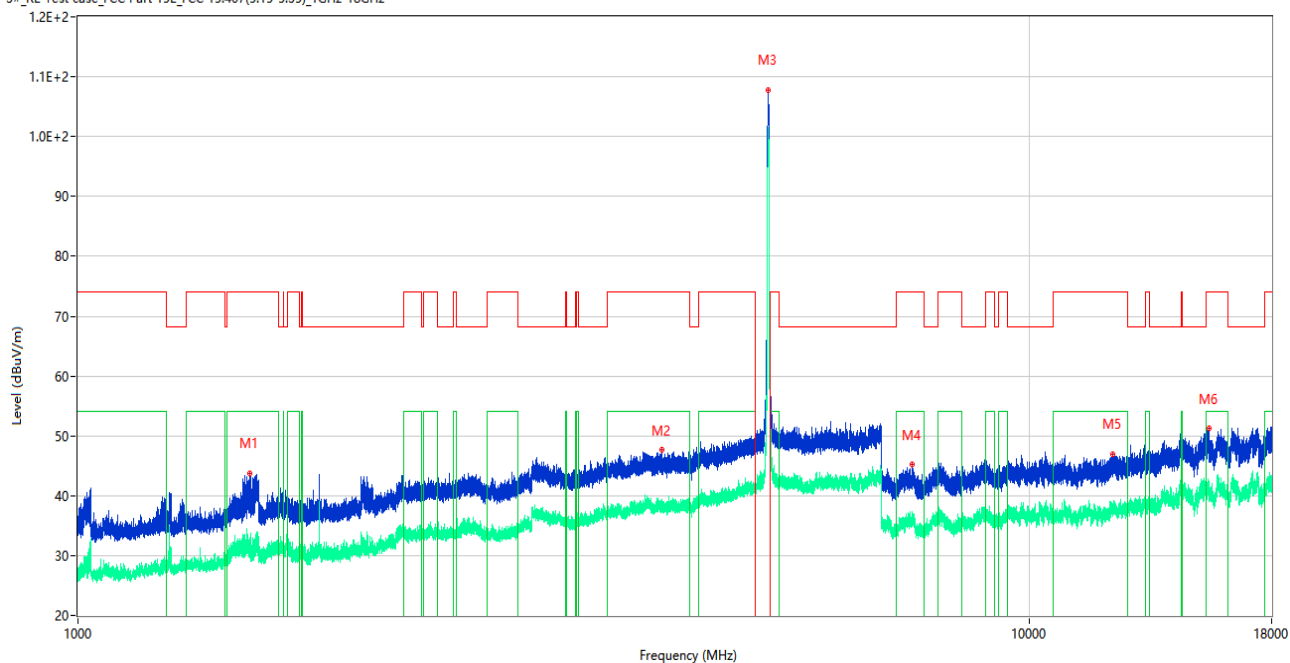
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1547.600	45.38	74.0	28.62	Peak	93.00	100	Vertical	Pass
1**	1547.600	33.96	54.0	20.04	AV	93.00	100	Vertical	Pass
2	4267.200	47.74	74.0	26.26	Peak	65.00	200	Vertical	Pass
2**	4267.200	38.54	54.0	15.46	AV	65.00	200	Vertical	Pass
3	5299.200	108.06	--	--	Peak	212.00	150	Vertical	N/A
3**	5299.200	101.33	--	--	AV	212.00	150	Vertical	N/A
4	7552.000	45.72	74.0	28.28	Peak	33.00	100	Vertical	Pass
4**	7552.000	36.23	54.0	17.77	AV	33.00	100	Vertical	Pass
5	12261.250	47.16	74.0	26.84	Peak	0.00	200	Vertical	Pass
5**	12261.250	37.46	54.0	16.54	AV	0.00	200	Vertical	Pass
6	15804.450	51.38	74.0	22.62	Peak	191.00	400	Vertical	Pass
6**	15804.450	42.49	54.0	11.51	AV	191.00	400	Vertical	Pass

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

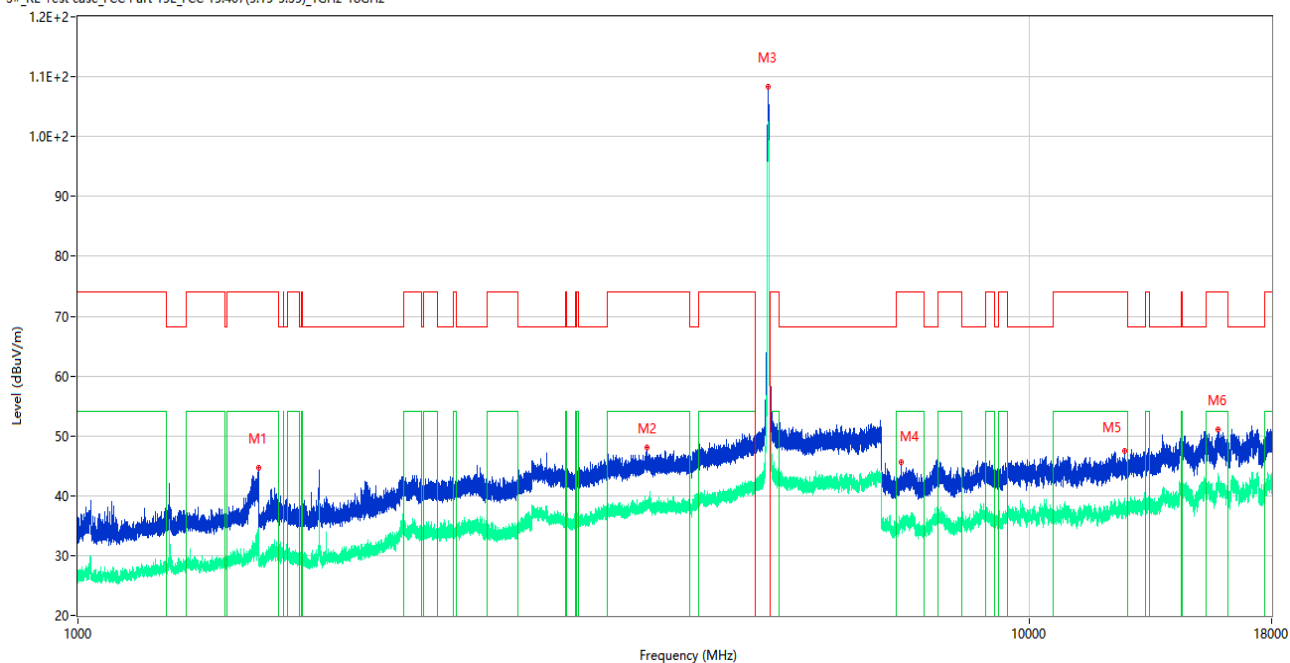
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1517.700	43.73	74.0	30.27	Peak	196.00	100	Horizontal	Pass
1**	1517.700	29.65	54.0	24.35	AV	196.00	100	Horizontal	Pass
2	4115.200	47.70	74.0	26.30	Peak	0.00	200	Horizontal	Pass
2**	4115.200	37.99	54.0	16.01	AV	0.00	200	Horizontal	Pass
3	5316.600	107.76	--	--	Peak	213.00	150	Horizontal	N/A
3**	5316.600	100.48	--	--	AV	213.00	150	Horizontal	N/A
4	7541.650	45.21	74.0	28.79	Peak	102.00	400	Horizontal	Pass
4**	7541.650	35.83	54.0	18.17	AV	102.00	400	Horizontal	Pass
5	12252.049	46.95	74.0	27.05	Peak	309.00	200	Horizontal	Pass
5**	12252.049	36.80	54.0	17.20	AV	309.00	200	Horizontal	Pass
6	15451.650	51.20	74.0	22.80	Peak	0.00	100	Horizontal	Pass
6**	15451.650	41.96	54.0	12.04	AV	0.00	100	Horizontal	Pass

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

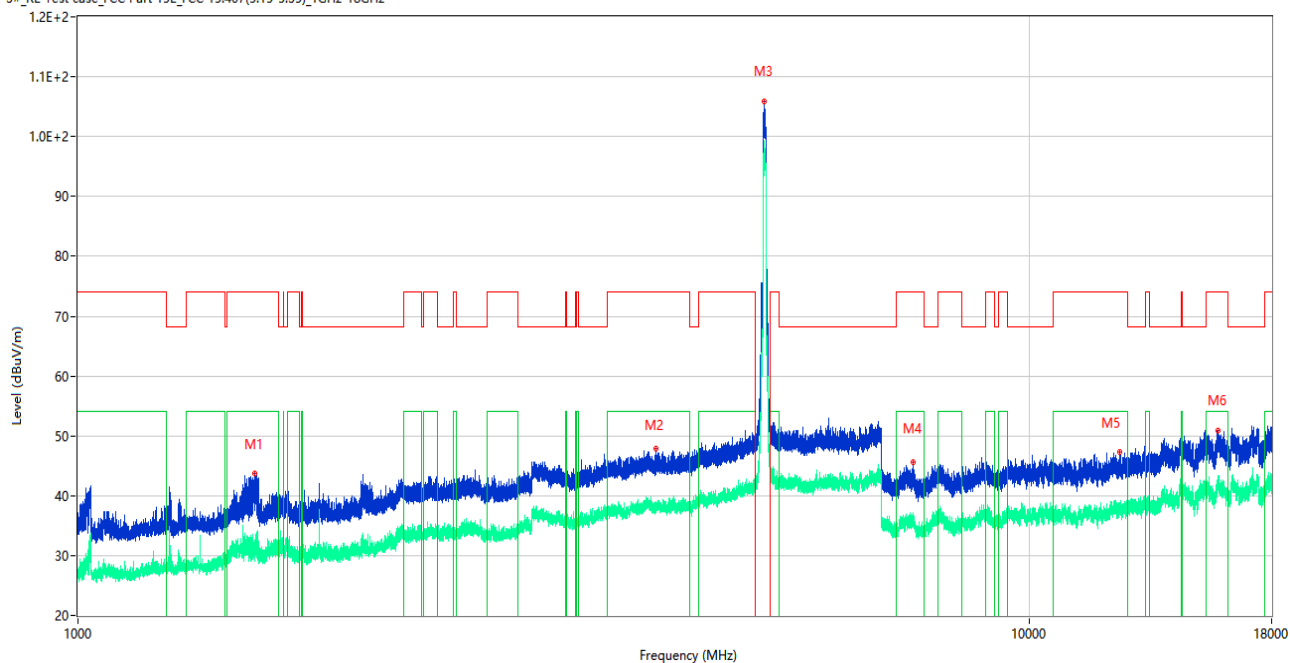
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1547.700	44.60	74.0	29.40	Peak	101.00	300	Vertical	Pass
1**	1547.700	29.97	54.0	24.03	AV	101.00	300	Vertical	Pass
2	3970.000	48.04	74.0	25.96	Peak	155.00	200	Vertical	Pass
2**	3970.000	38.53	54.0	15.47	AV	155.00	200	Vertical	Pass
3	5321.400	108.30	--	--	Peak	200.00	150	Vertical	N/A
3**	5321.400	102.43	--	--	AV	200.00	150	Vertical	N/A
4	7336.950	45.70	74.0	28.30	Peak	85.00	400	Vertical	Pass
4**	7336.950	35.66	54.0	18.34	AV	85.00	400	Vertical	Pass
5	12597.049	47.45	74.0	26.55	Peak	0.00	150	Vertical	Pass
5**	12597.049	38.95	54.0	15.05	AV	0.00	150	Vertical	Pass
6	15806.026	51.03	74.0	22.97	Peak	73.00	200	Vertical	Pass
6**	15806.026	42.25	54.0	11.75	AV	73.00	200	Vertical	Pass

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

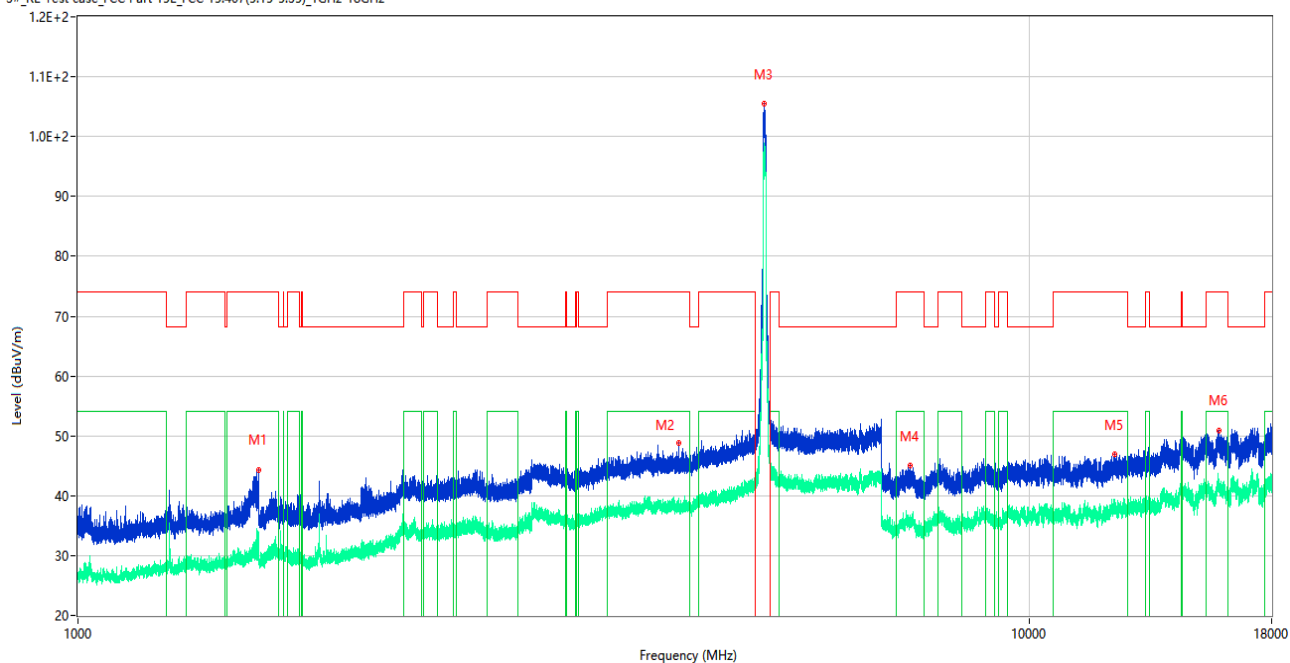
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1536.000	43.64	74.0	30.36	Peak	189.00	400	Horizontal	Pass
1**	1536.000	30.21	54.0	23.79	AV	189.00	400	Horizontal	Pass
2	4050.800	47.95	74.0	26.05	Peak	291.00	200	Horizontal	Pass
2**	4050.800	38.06	54.0	15.94	AV	291.00	200	Horizontal	Pass
3	5271.800	105.93	--	--	Peak	211.00	100	Horizontal	N/A
3**	5271.800	98.27	--	--	AV	211.00	100	Horizontal	N/A
4	7555.163	45.54	74.0	28.46	Peak	0.00	100	Horizontal	Pass
4**	7555.163	36.66	54.0	17.34	AV	0.00	100	Horizontal	Pass
5	12446.401	47.23	74.0	26.77	Peak	0.00	100	Horizontal	Pass
5**	12446.401	37.57	54.0	16.43	AV	0.00	100	Horizontal	Pass
6	15802.350	50.96	74.0	23.04	Peak	75.00	100	Horizontal	Pass
6**	15802.350	42.01	54.0	11.99	AV	75.00	100	Horizontal	Pass

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

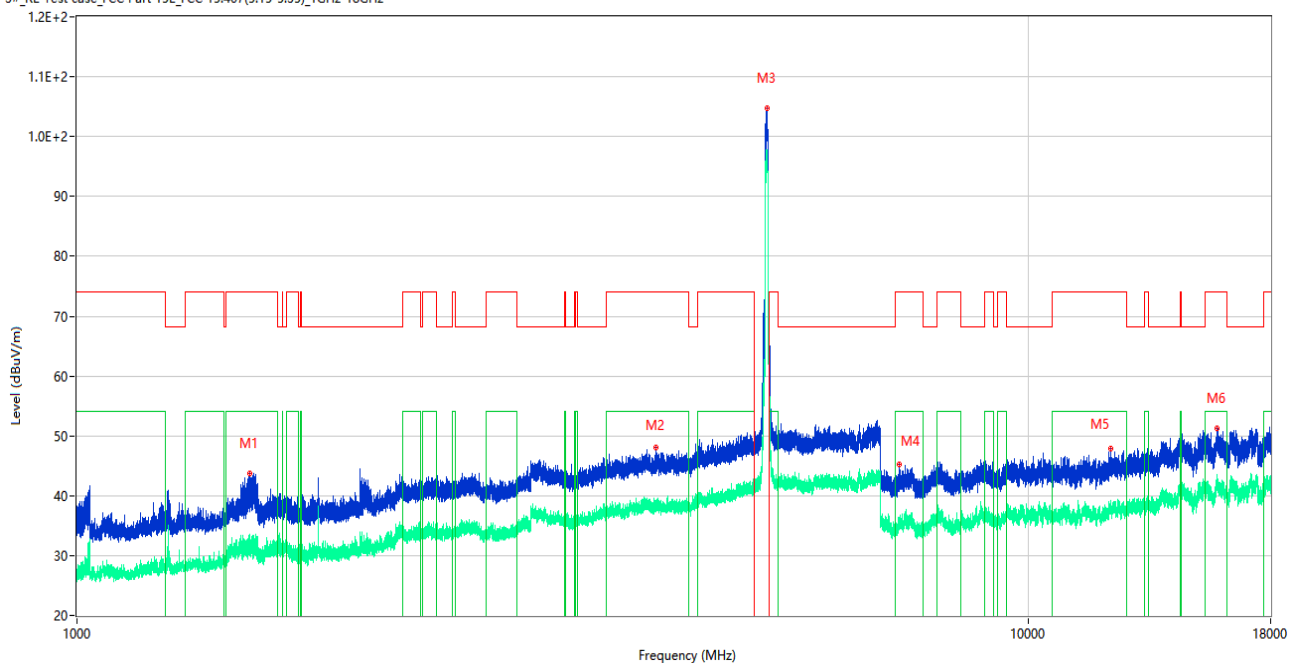
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1547.500	44.37	74.0	29.63	Peak	101.00	100	Vertical	Pass
1**	1547.500	33.83	54.0	20.17	AV	101.00	100	Vertical	Pass
2	4285.400	48.76	74.0	25.24	Peak	164.00	300	Vertical	Pass
2**	4285.400	38.21	54.0	15.79	AV	164.00	300	Vertical	Pass
3	5267.400	105.41	--	--	Peak	232.00	150	Vertical	N/A
3**	5267.400	97.54	--	--	AV	232.00	150	Vertical	N/A
4	7505.425	44.95	74.0	29.05	Peak	360.00	400	Vertical	Pass
4**	7505.425	36.39	54.0	17.61	AV	360.00	400	Vertical	Pass
5	12303.799	46.87	74.0	27.13	Peak	189.00	200	Vertical	Pass
5**	12303.799	37.17	54.0	16.83	AV	189.00	200	Vertical	Pass
6	15853.275	50.96	74.0	23.04	Peak	304.00	100	Vertical	Pass
6**	15853.275	41.49	54.0	12.51	AV	304.00	100	Vertical	Pass

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

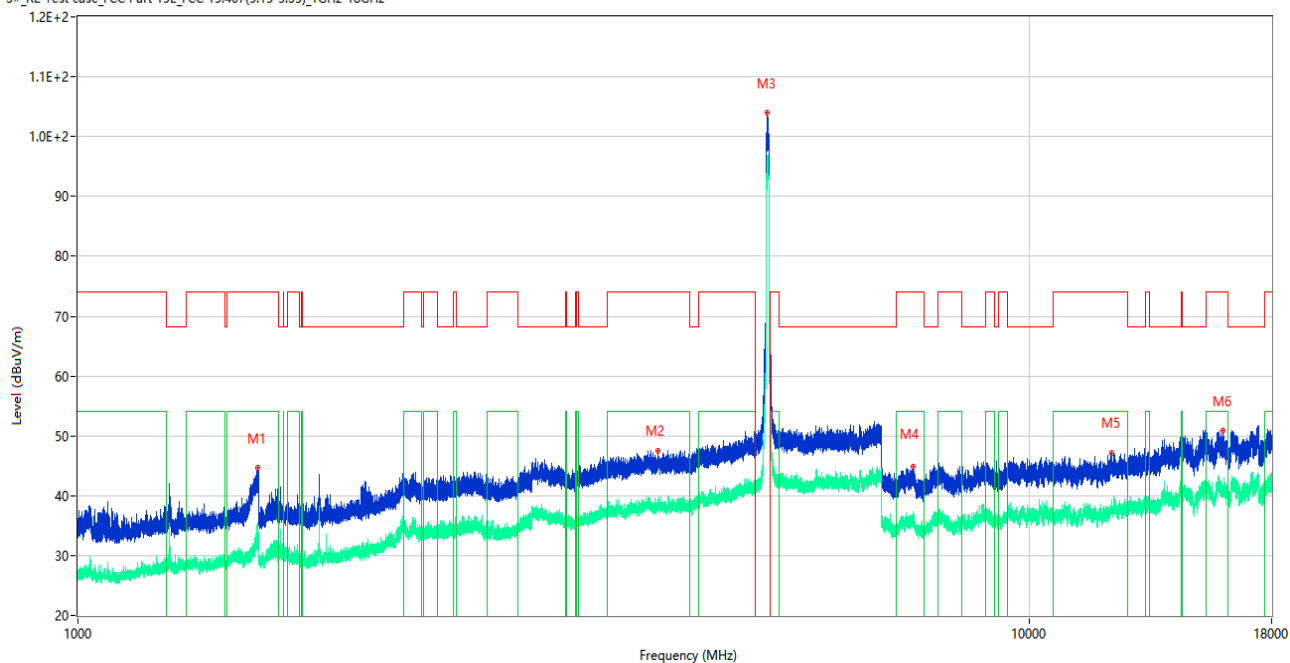
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1519.400	43.81	74.0	30.19	Peak	192.00	200	Horizontal	Pass
1**	1519.400	33.49	54.0	20.51	AV	192.00	200	Horizontal	Pass
2	4061.400	48.11	74.0	25.89	Peak	208.00	100	Horizontal	Pass
2**	4061.400	37.33	54.0	16.67	AV	208.00	100	Horizontal	Pass
3	5313.400	104.78	--	--	Peak	208.00	200	Horizontal	N/A
3**	5313.400	96.44	--	--	AV	208.00	200	Horizontal	N/A
4	7319.125	45.24	74.0	28.76	Peak	70.00	100	Horizontal	Pass
4**	7319.125	35.15	54.0	18.85	AV	70.00	100	Horizontal	Pass
5	12228.187	47.80	74.0	26.20	Peak	175.00	200	Horizontal	Pass
5**	12228.187	37.74	54.0	16.26	AV	175.00	200	Horizontal	Pass
6	15819.938	51.29	74.0	22.71	Peak	0.00	400	Horizontal	Pass
6**	15819.938	41.52	54.0	12.48	AV	0.00	400	Horizontal	Pass

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

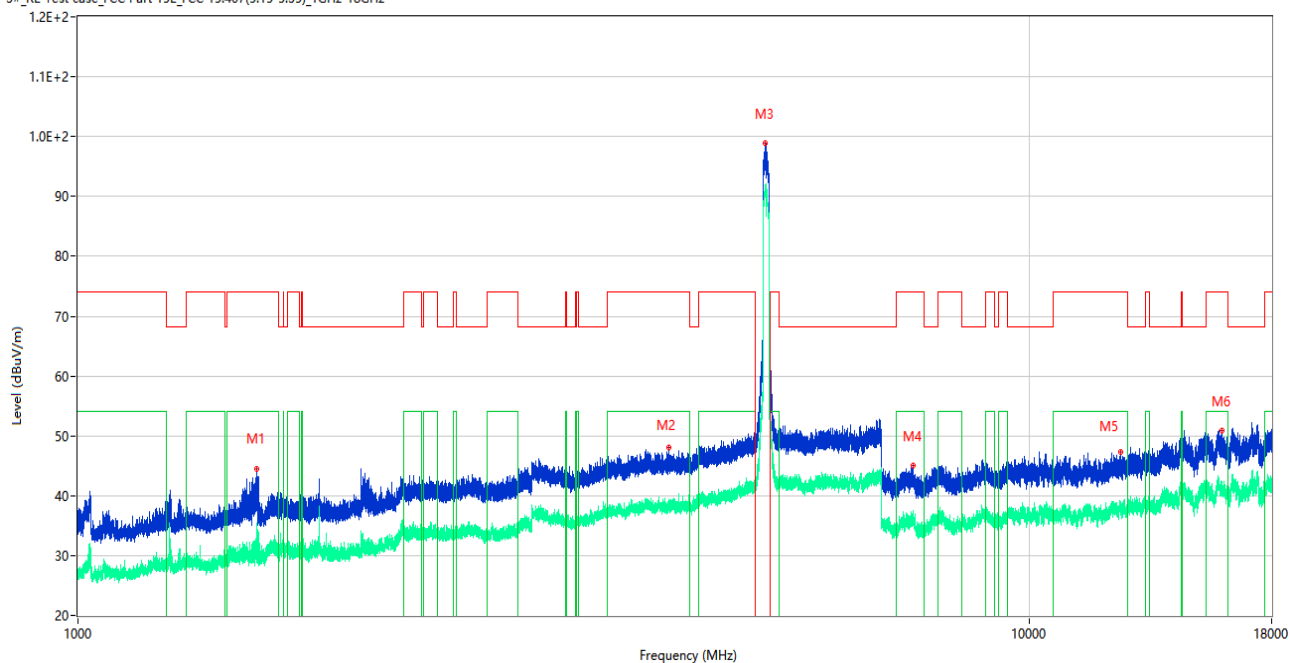
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1547.000	44.60	74.0	29.40	Peak	104.00	300	Vertical	Pass
1**	1547.000	33.05	54.0	20.95	AV	104.00	300	Vertical	Pass
2	4074.600	47.57	74.0	26.43	Peak	289.00	200	Vertical	Pass
2**	4074.600	39.10	54.0	14.90	AV	289.00	200	Vertical	Pass
3	5312.200	103.98	--	--	Peak	311.00	100	Vertical	N/A
3**	5312.200	95.59	--	--	AV	311.00	100	Vertical	N/A
4	7554.300	44.88	74.0	29.12	Peak	360.00	400	Vertical	Pass
4**	7554.300	35.98	54.0	18.02	AV	360.00	400	Vertical	Pass
5	12209.500	47.18	74.0	26.82	Peak	51.00	200	Vertical	Pass
5**	12209.500	37.65	54.0	16.35	AV	51.00	200	Vertical	Pass
6	16017.863	50.85	74.0	23.15	Peak	108.00	200	Vertical	Pass
6**	16017.863	40.86	54.0	13.14	AV	108.00	200	Vertical	Pass

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

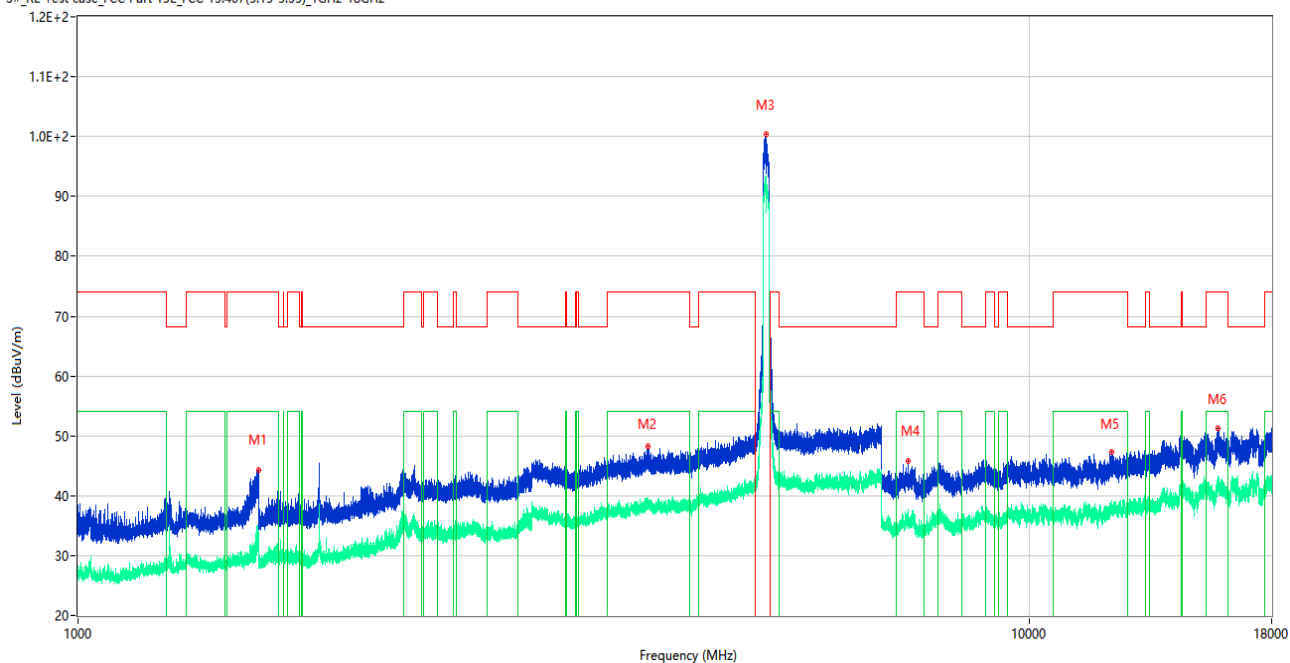
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1540.500	44.55	74.0	29.45	Peak	192.00	400	Horizontal	Pass
1**	1540.500	30.57	54.0	23.43	AV	192.00	400	Horizontal	Pass
2	4185.600	47.97	74.0	26.03	Peak	173.00	400	Horizontal	Pass
2**	4185.600	37.84	54.0	16.16	AV	173.00	400	Horizontal	Pass
3	5283.800	98.84	--	--	Peak	242.00	100	Horizontal	N/A
3**	5283.800	90.89	--	--	AV	242.00	100	Horizontal	N/A
4	7548.550	45.02	74.0	28.98	Peak	69.00	200	Horizontal	Pass
4**	7548.550	36.56	54.0	17.44	AV	69.00	200	Horizontal	Pass
5	12476.013	47.36	74.0	26.64	Peak	174.00	100	Horizontal	Pass
5**	12476.013	37.78	54.0	16.22	AV	174.00	100	Horizontal	Pass
6	15961.950	50.85	74.0	23.15	Peak	225.00	300	Horizontal	Pass
6**	15961.950	40.93	54.0	13.07	AV	225.00	300	Horizontal	Pass

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

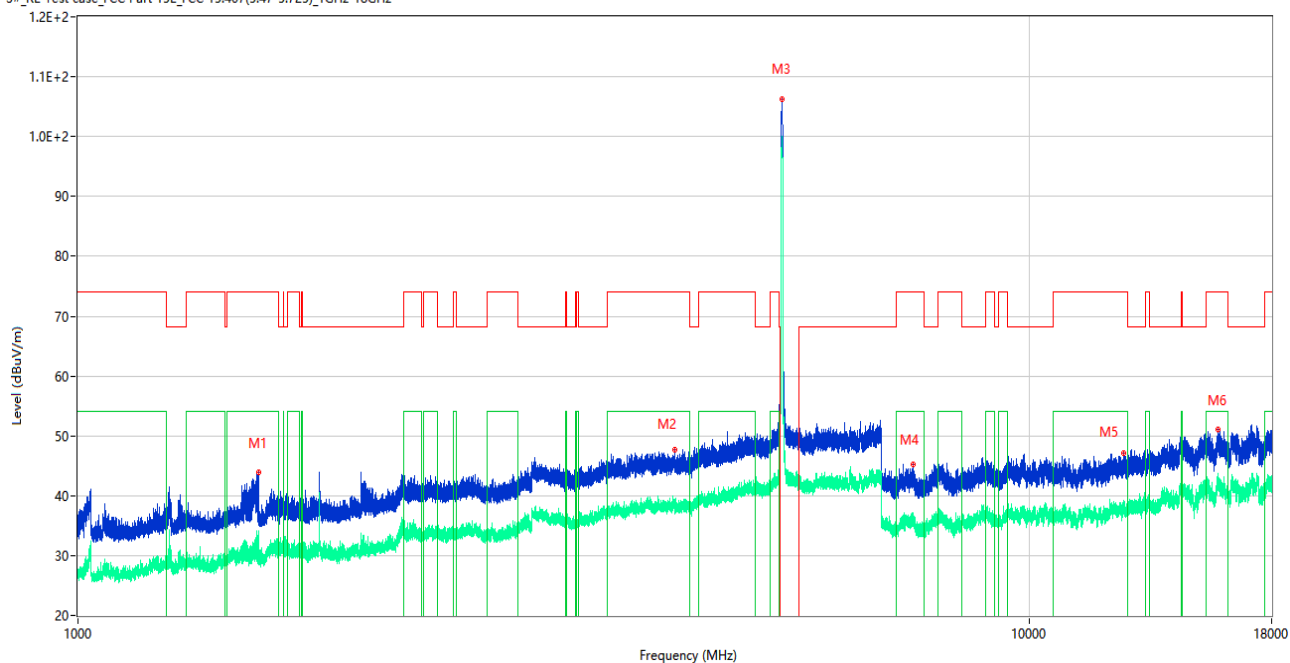
3# RE Test case_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1548.000	44.31	74.0	29.69	Peak	79.00	300	Vertical	Pass
1**	1548.000	30.78	54.0	23.22	AV	79.00	300	Vertical	Pass
2	3975.800	48.21	74.0	25.79	Peak	299.00	100	Vertical	Pass
2**	3975.800	38.22	54.0	15.78	AV	299.00	100	Vertical	Pass
3	5287.400	100.35	--	--	Peak	197.00	200	Vertical	N/A
3**	5287.400	92.40	--	--	AV	197.00	200	Vertical	N/A
4	7468.625	45.83	74.0	28.17	Peak	156.00	400	Vertical	Pass
4**	7468.625	36.15	54.0	17.85	AV	156.00	400	Vertical	Pass
5	12218.700	47.36	74.0	26.64	Peak	360.00	150	Vertical	Pass
5**	12218.700	37.99	54.0	16.01	AV	360.00	150	Vertical	Pass
6	15800.250	51.18	74.0	22.82	Peak	265.00	100	Vertical	Pass
6**	15800.250	42.30	54.0	11.70	AV	265.00	100	Vertical	Pass

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

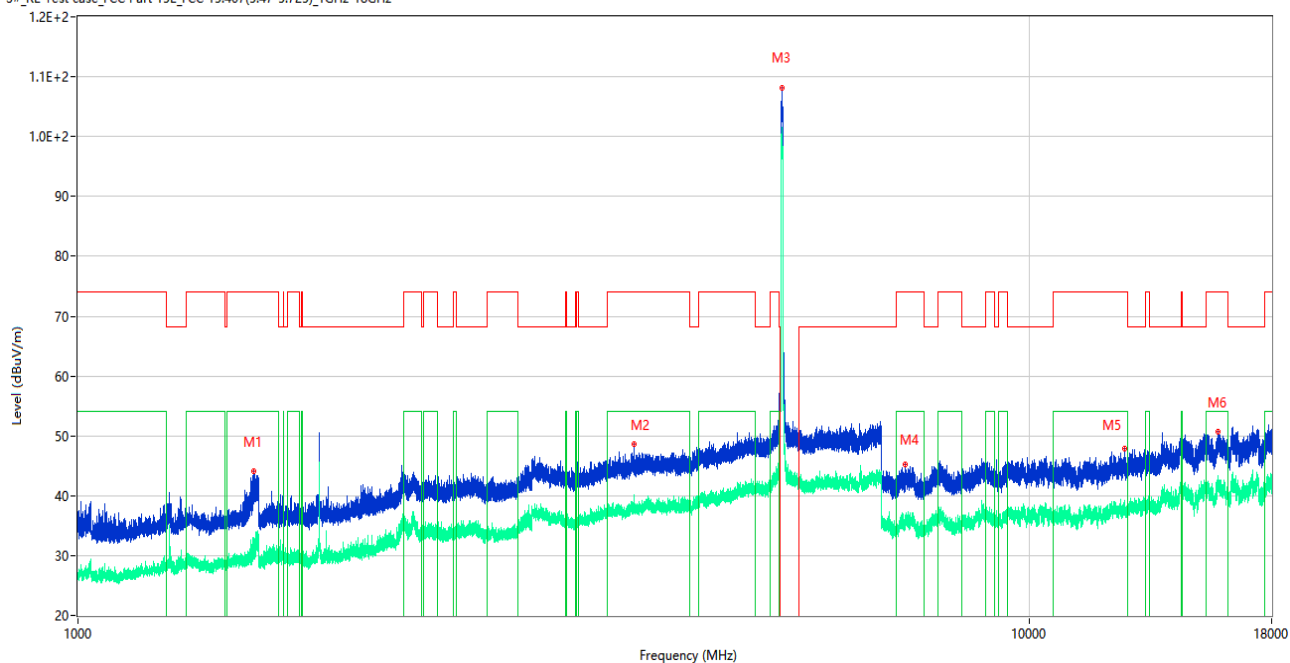
3# RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1547.500	43.84	74.0	30.16	Peak	190.00	300	Horizontal	Pass
1**	1547.500	30.58	54.0	23.42	AV	190.00	300	Horizontal	Pass
2	4239.000	47.72	74.0	26.28	Peak	276.00	100	Horizontal	Pass
2**	4239.000	38.22	54.0	15.78	AV	276.00	100	Horizontal	Pass
3	5499.000	106.34	--	--	Peak	243.00	150	Horizontal	N/A
3**	5499.000	99.86	--	--	AV	243.00	150	Horizontal	N/A
4	7549.987	45.28	74.0	28.72	Peak	87.00	400	Horizontal	Pass
4**	7549.987	36.55	54.0	17.45	AV	87.00	400	Horizontal	Pass
5	12594.175	47.03	74.0	26.97	Peak	122.00	150	Horizontal	Pass
5**	12594.175	38.14	54.0	15.86	AV	122.00	150	Horizontal	Pass
6	15796.575	51.03	74.0	22.97	Peak	264.00	400	Horizontal	Pass
6**	15796.575	42.74	54.0	11.26	AV	264.00	400	Horizontal	Pass

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

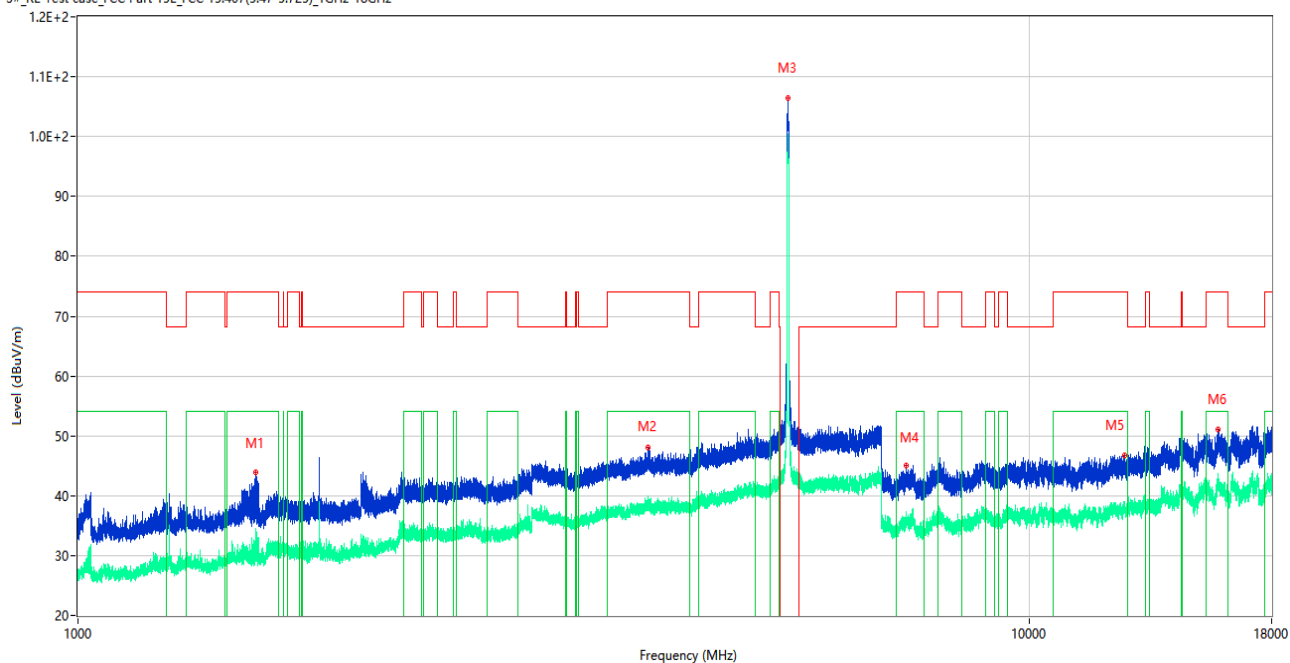
3# RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1531.800	44.09	74.0	29.91	Peak	78.00	200	Vertical	Pass
1**	1531.800	29.98	54.0	24.02	AV	78.00	200	Vertical	Pass
2	3847.200	48.67	74.0	25.33	Peak	138.00	400	Vertical	Pass
2**	3847.200	40.18	54.0	13.82	AV	138.00	400	Vertical	Pass
3	5496.800	108.16	--	--	Peak	207.00	200	Vertical	N/A
3**	5496.800	101.50	--	--	AV	207.00	200	Vertical	N/A
4	7404.800	45.22	74.0	28.78	Peak	313.00	400	Vertical	Pass
4**	7404.800	35.00	54.0	19.00	AV	313.00	400	Vertical	Pass
5	12602.800	47.87	74.0	26.13	Peak	139.00	100	Vertical	Pass
5**	12602.800	37.63	54.0	16.37	AV	139.00	100	Vertical	Pass
6	15790.537	50.68	74.0	23.32	Peak	244.00	400	Vertical	Pass
6**	15790.537	42.60	54.0	11.40	AV	244.00	400	Vertical	Pass

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

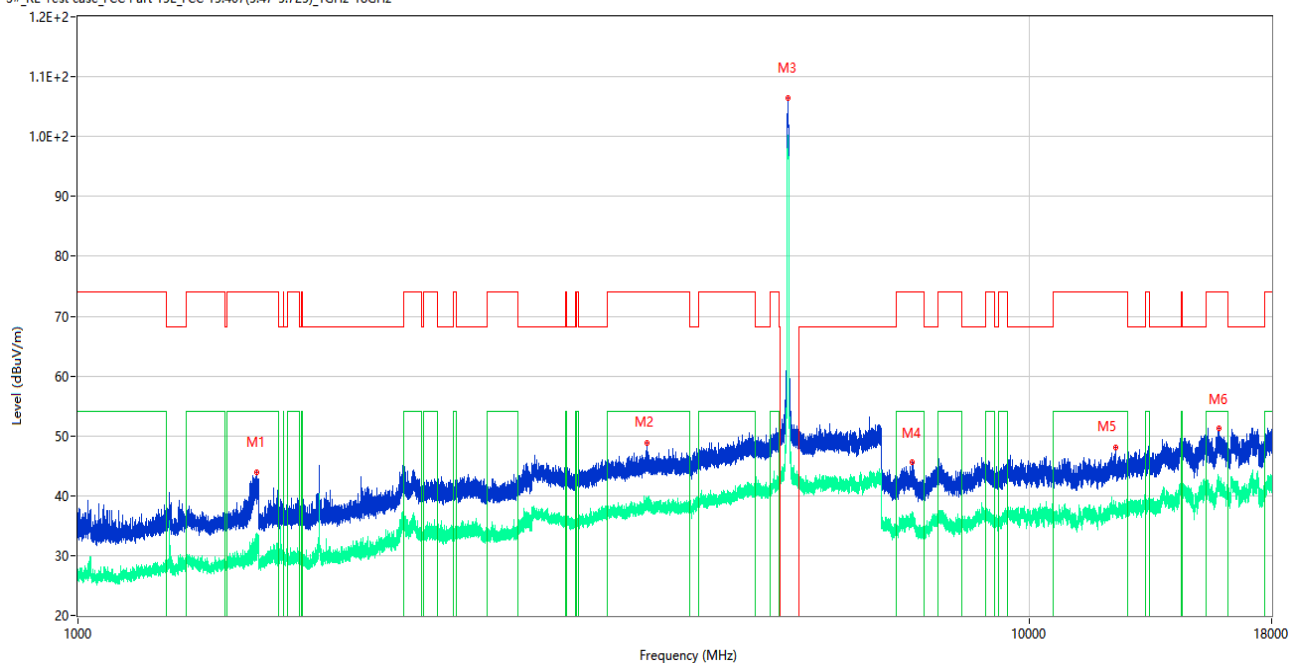
3# RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1539.300	43.89	74.0	30.11	Peak	244.00	200	Horizontal	Pass
1**	1539.300	29.54	54.0	24.46	AV	244.00	200	Horizontal	Pass
2	3974.800	48.10	74.0	25.90	Peak	332.00	400	Horizontal	Pass
2**	3974.800	38.44	54.0	15.56	AV	332.00	400	Horizontal	Pass
3	5583.200	106.53	--	--	Peak	255.00	150	Horizontal	N/A
3**	5583.200	99.93	--	--	AV	255.00	150	Horizontal	N/A
4	7428.663	44.98	74.0	29.02	Peak	17.00	300	Horizontal	Pass
4**	7428.663	35.72	54.0	18.28	AV	17.00	300	Horizontal	Pass
5	12614.587	46.83	74.0	27.17	Peak	360.00	150	Horizontal	Pass
5**	12614.587	37.54	54.0	16.46	AV	360.00	150	Horizontal	Pass
6	15802.087	51.11	74.0	22.89	Peak	342.00	400	Horizontal	Pass
6**	15802.087	42.57	54.0	11.43	AV	342.00	400	Horizontal	Pass

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

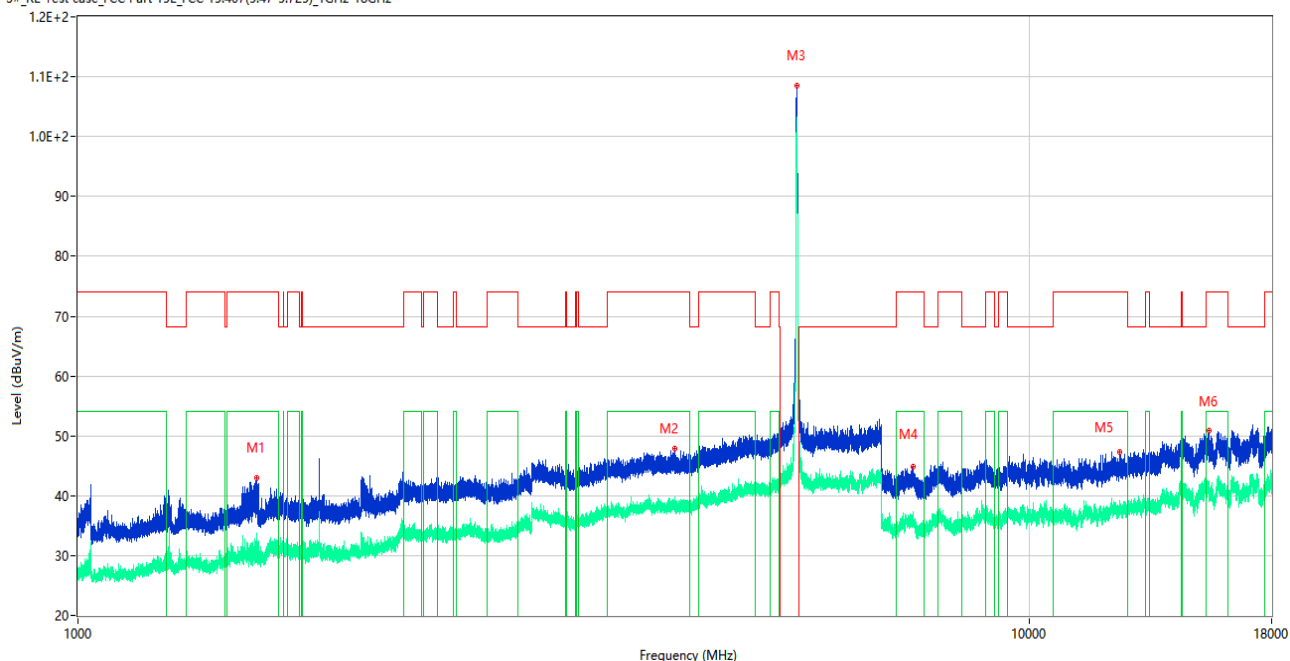
3# RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1541.100	43.91	74.0	30.09	Peak	82.00	100	Vertical	Pass
1**	1541.100	32.58	54.0	21.42	AV	82.00	100	Vertical	Pass
2	3970.600	48.73	74.0	25.27	Peak	187.00	300	Vertical	Pass
2**	3970.600	38.39	54.0	15.61	AV	187.00	300	Vertical	Pass
3	5578.600	106.51	--	--	Peak	187.00	100	Vertical	N/A
3**	5578.600	99.67	--	--	AV	187.00	100	Vertical	N/A
4	7543.375	45.52	74.0	28.48	Peak	152.00	200	Vertical	Pass
4**	7543.375	35.83	54.0	18.17	AV	152.00	200	Vertical	Pass
5	12346.637	48.10	74.0	25.90	Peak	272.00	150	Vertical	Pass
5**	12346.637	37.58	54.0	16.42	AV	272.00	150	Vertical	Pass
6	15843.037	51.25	74.0	22.75	Peak	94.00	200	Vertical	Pass
6**	15843.037	41.60	54.0	12.40	AV	94.00	200	Vertical	Pass

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

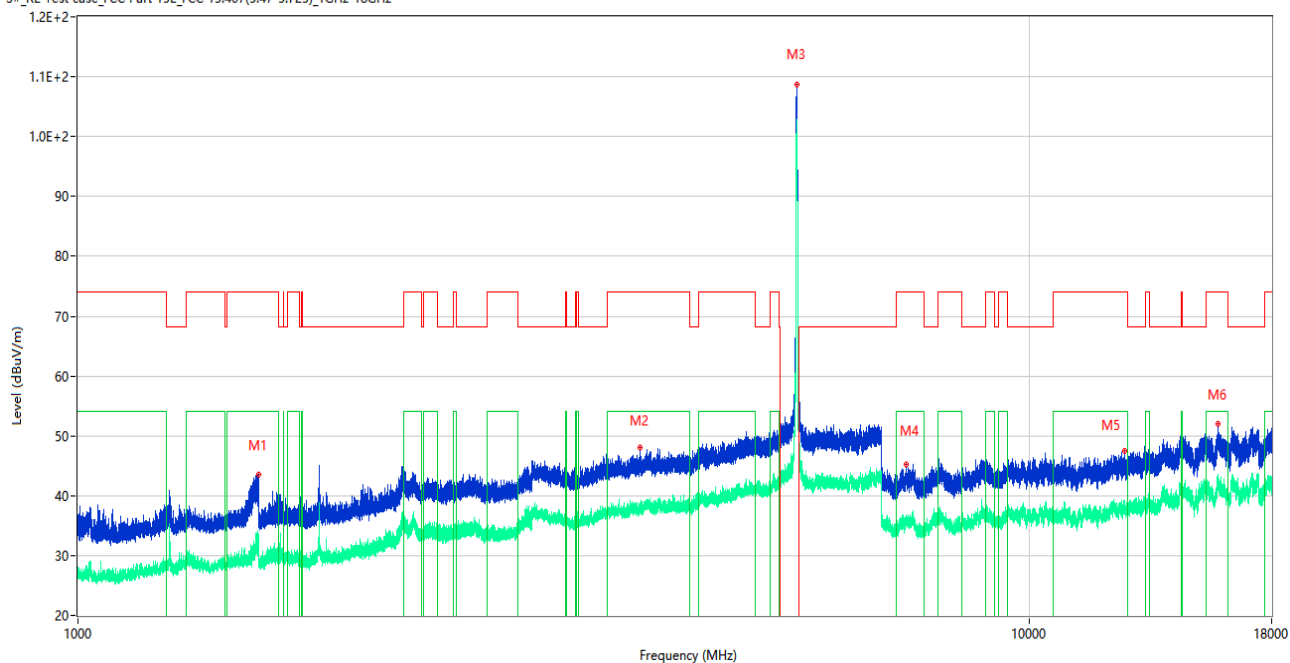
3# RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1540.300	43.04	74.0	30.96	Peak	184.00	100	Horizontal	Pass
1**	1540.300	30.60	54.0	23.40	AV	184.00	100	Horizontal	Pass
2	4237.600	47.86	74.0	26.14	Peak	309.00	400	Horizontal	Pass
2**	4237.600	37.90	54.0	16.10	AV	309.00	400	Horizontal	Pass
3	5701.000	108.58	--	--	Peak	243.00	150	Horizontal	N/A
3**	5701.000	102.81	--	--	AV	243.00	150	Horizontal	N/A
4	7550.562	44.93	74.0	29.07	Peak	275.00	200	Horizontal	Pass
4**	7550.562	36.46	54.0	17.54	AV	275.00	200	Horizontal	Pass
5	12451.575	47.25	74.0	26.75	Peak	121.00	150	Horizontal	Pass
5**	12451.575	37.85	54.0	16.15	AV	121.00	150	Horizontal	Pass
6	15457.950	50.86	74.0	23.14	Peak	225.00	400	Horizontal	Pass
6**	15457.950	41.67	54.0	12.33	AV	225.00	400	Horizontal	Pass

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

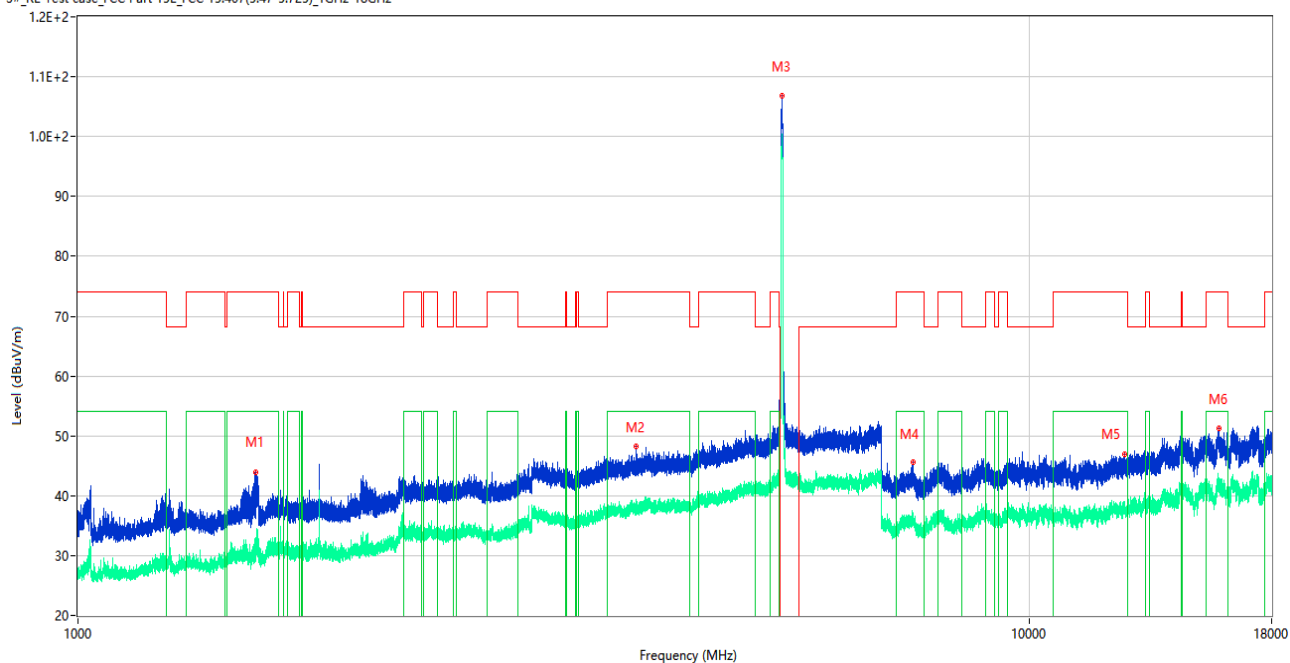
3# RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1547.500	43.47	74.0	30.53	Peak	77.00	100	Vertical	Pass
1**	1547.500	30.59	54.0	23.41	AV	77.00	100	Vertical	Pass
2	3896.000	48.04	74.0	25.96	Peak	187.00	400	Vertical	Pass
2**	3896.000	38.27	54.0	15.73	AV	187.00	400	Vertical	Pass
3	5699.200	108.74	--	--	Peak	187.00	150	Vertical	N/A
3**	5699.200	101.69	--	--	AV	187.00	150	Vertical	N/A
4	7424.925	45.27	74.0	28.73	Peak	154.00	100	Vertical	Pass
4**	7424.925	35.83	54.0	18.17	AV	154.00	100	Vertical	Pass
5	12608.550	47.47	74.0	26.53	Peak	1.00	100	Vertical	Pass
5**	12608.550	38.59	54.0	15.41	AV	1.00	100	Vertical	Pass
6	15804.975	51.98	74.0	22.02	Peak	283.00	400	Vertical	Pass
6**	15804.975	43.58	54.0	10.42	AV	283.00	400	Vertical	Pass

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

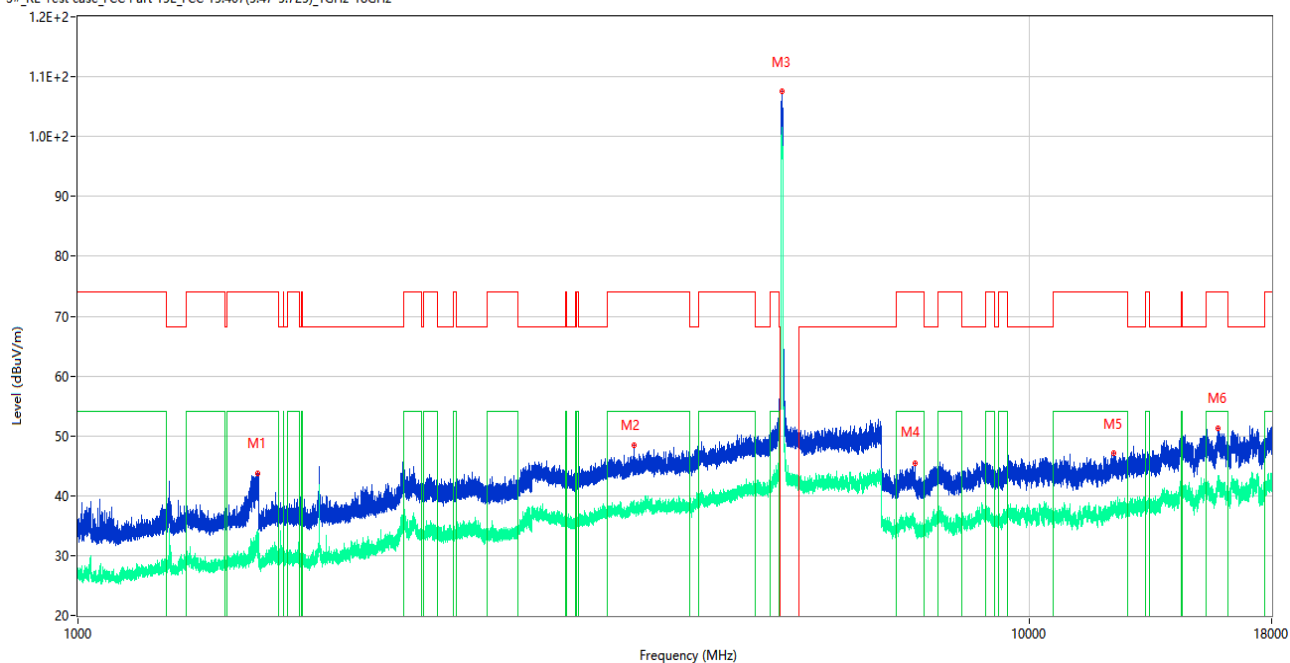
3# RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1538.100	43.97	74.0	30.03	Peak	185.00	100	Horizontal	Pass
1**	1538.100	30.79	54.0	23.21	AV	185.00	100	Horizontal	Pass
2	3860.600	48.18	74.0	25.82	Peak	17.00	300	Horizontal	Pass
2**	3860.600	37.85	54.0	16.15	AV	17.00	300	Horizontal	Pass
3	5500.000	106.77	--	--	Peak	276.00	150	Horizontal	N/A
3**	5500.000	98.39	--	--	AV	276.00	150	Horizontal	N/A
4	7547.975	45.60	74.0	28.40	Peak	297.00	100	Horizontal	Pass
4**	7547.975	37.05	54.0	16.95	AV	297.00	100	Horizontal	Pass
5	12599.925	46.87	74.0	27.13	Peak	210.00	150	Horizontal	Pass
5**	12599.925	38.47	54.0	15.53	AV	210.00	150	Horizontal	Pass
6	15852.488	51.21	74.0	22.79	Peak	188.00	100	Horizontal	Pass
6**	15852.488	42.05	54.0	11.95	AV	188.00	100	Horizontal	Pass

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

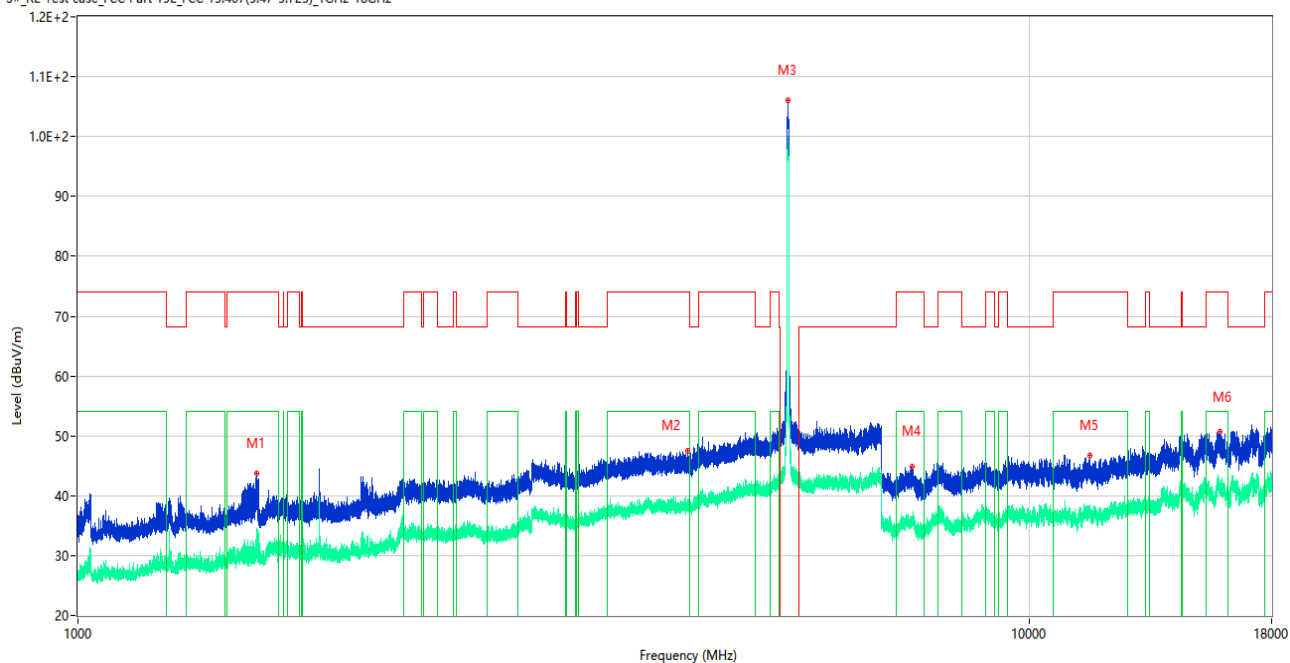
3# RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1543.800	43.80	74.0	30.20	Peak	78.00	100	Vertical	Pass
1**	1543.800	34.32	54.0	19.68	AV	78.00	100	Vertical	Pass
2	3840.000	48.45	74.0	25.55	Peak	287.00	300	Vertical	Pass
2**	3840.000	38.88	54.0	15.12	AV	287.00	300	Vertical	Pass
3	5497.000	107.53	--	--	Peak	207.00	100	Vertical	N/A
3**	5497.000	101.40	--	--	AV	207.00	100	Vertical	N/A
4	7594.550	45.42	74.0	28.58	Peak	260.00	300	Vertical	Pass
4**	7594.550	34.76	54.0	19.24	AV	260.00	300	Vertical	Pass
5	12268.151	47.05	74.0	26.95	Peak	52.00	100	Vertical	Pass
5**	12268.151	38.25	54.0	15.75	AV	52.00	100	Vertical	Pass
6	15809.963	51.35	74.0	22.65	Peak	186.00	400	Vertical	Pass
6**	15809.963	41.57	54.0	12.43	AV	186.00	400	Vertical	Pass

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

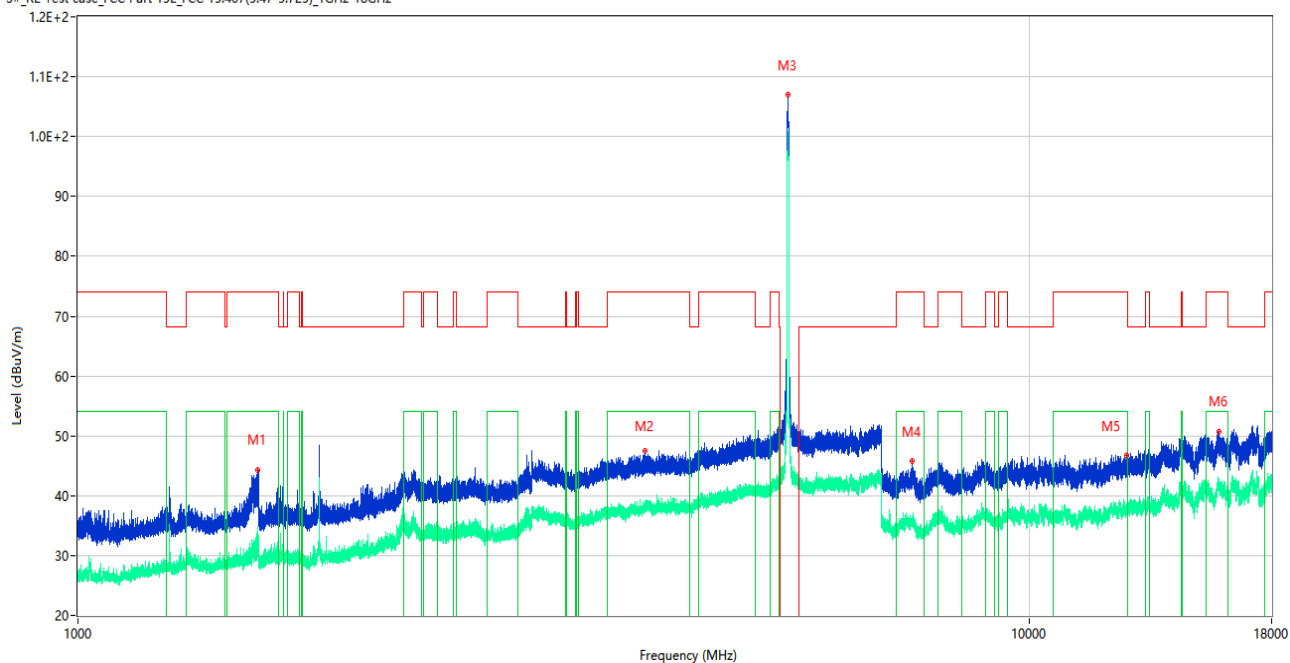
3# RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1542.800	43.74	74.0	30.26	Peak	190.00	300	Horizontal	Pass
1**	1542.800	29.77	54.0	24.23	AV	190.00	300	Horizontal	Pass
2	4381.400	47.42	74.0	26.58	Peak	242.00	400	Horizontal	Pass
2**	4381.400	38.08	54.0	15.92	AV	242.00	400	Horizontal	Pass
3	5579.000	106.15	--	--	Peak	231.00	150	Horizontal	N/A
3**	5579.000	99.63	--	--	AV	231.00	150	Horizontal	N/A
4	7541.650	44.78	74.0	29.22	Peak	137.00	100	Horizontal	Pass
4**	7541.650	35.91	54.0	18.09	AV	137.00	100	Horizontal	Pass
5	11580.738	46.80	74.0	27.20	Peak	86.00	150	Horizontal	Pass
5**	11580.738	36.63	54.0	17.37	AV	86.00	150	Horizontal	Pass
6	15899.475	50.62	74.0	23.38	Peak	152.00	300	Horizontal	Pass
6**	15899.475	41.87	54.0	12.13	AV	152.00	300	Horizontal	Pass

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

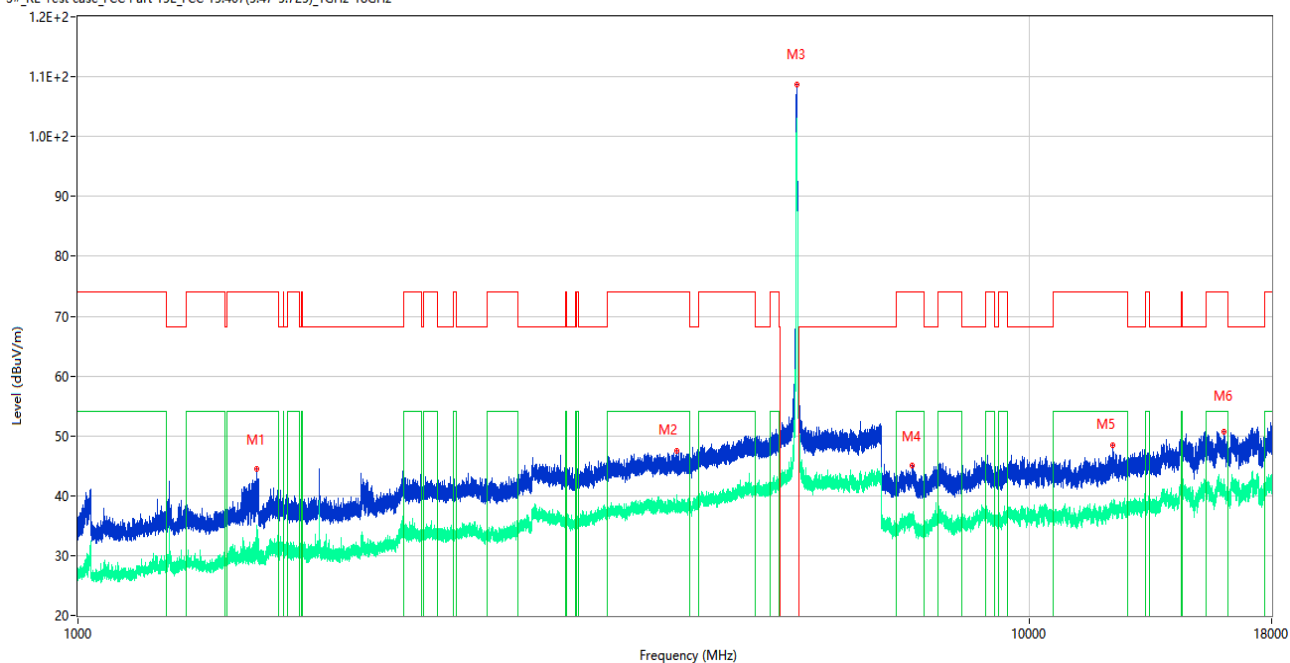
3# RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1546.300	44.38	74.0	29.62	Peak	82.00	400	Vertical	Pass
1**	1546.300	32.12	54.0	21.88	AV	82.00	400	Vertical	Pass
2	3946.200	47.53	74.0	26.47	Peak	101.00	300	Vertical	Pass
2**	3946.200	37.83	54.0	16.17	AV	101.00	300	Vertical	Pass
3	5578.200	106.94	--	--	Peak	200.00	200	Vertical	N/A
3**	5578.200	99.33	--	--	AV	200.00	200	Vertical	N/A
4	7545.388	45.78	74.0	28.22	Peak	339.00	300	Vertical	Pass
4**	7545.388	35.87	54.0	18.13	AV	339.00	300	Vertical	Pass
5	12676.975	46.81	74.0	27.19	Peak	360.00	200	Vertical	Pass
5**	12676.975	38.05	54.0	15.95	AV	360.00	200	Vertical	Pass
6	15841.463	50.72	74.0	23.28	Peak	57.00	400	Vertical	Pass
6**	15841.463	41.79	54.0	12.21	AV	57.00	400	Vertical	Pass

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

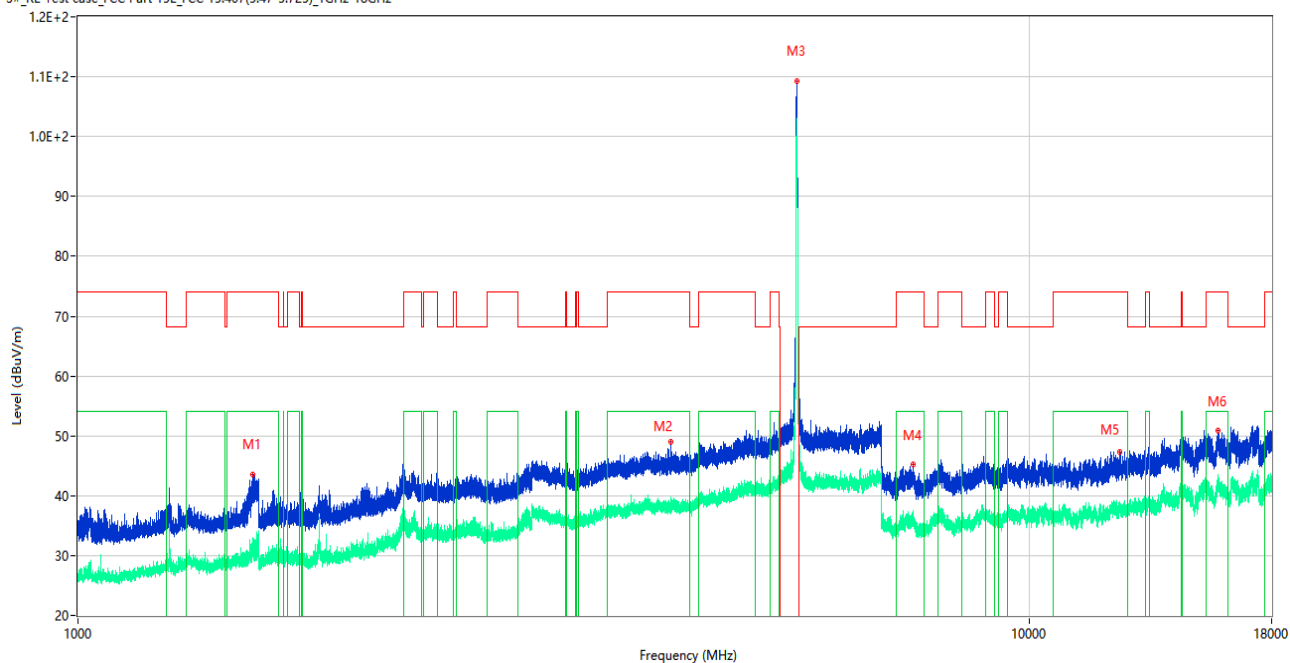
3# RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1542.000	44.45	74.0	29.55	Peak	192.00	100	Horizontal	Pass
1**	1542.000	32.87	54.0	21.13	AV	192.00	100	Horizontal	Pass
2	4258.000	47.45	74.0	26.55	Peak	57.00	100	Horizontal	Pass
2**	4258.000	38.97	54.0	15.03	AV	57.00	100	Horizontal	Pass
3	5699.200	108.74	--	--	Peak	268.00	100	Horizontal	N/A
3**	5699.200	102.27	--	--	AV	268.00	100	Horizontal	N/A
4	7545.388	45.03	74.0	28.97	Peak	360.00	300	Horizontal	Pass
4**	7545.388	35.20	54.0	18.80	AV	360.00	300	Horizontal	Pass
5	12249.750	48.53	74.0	25.47	Peak	240.00	150	Horizontal	Pass
5**	12249.750	37.92	54.0	16.08	AV	240.00	150	Horizontal	Pass
6	16034.400	50.62	74.0	23.38	Peak	113.00	300	Horizontal	Pass
6**	16034.400	41.16	54.0	12.84	AV	113.00	300	Horizontal	Pass

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

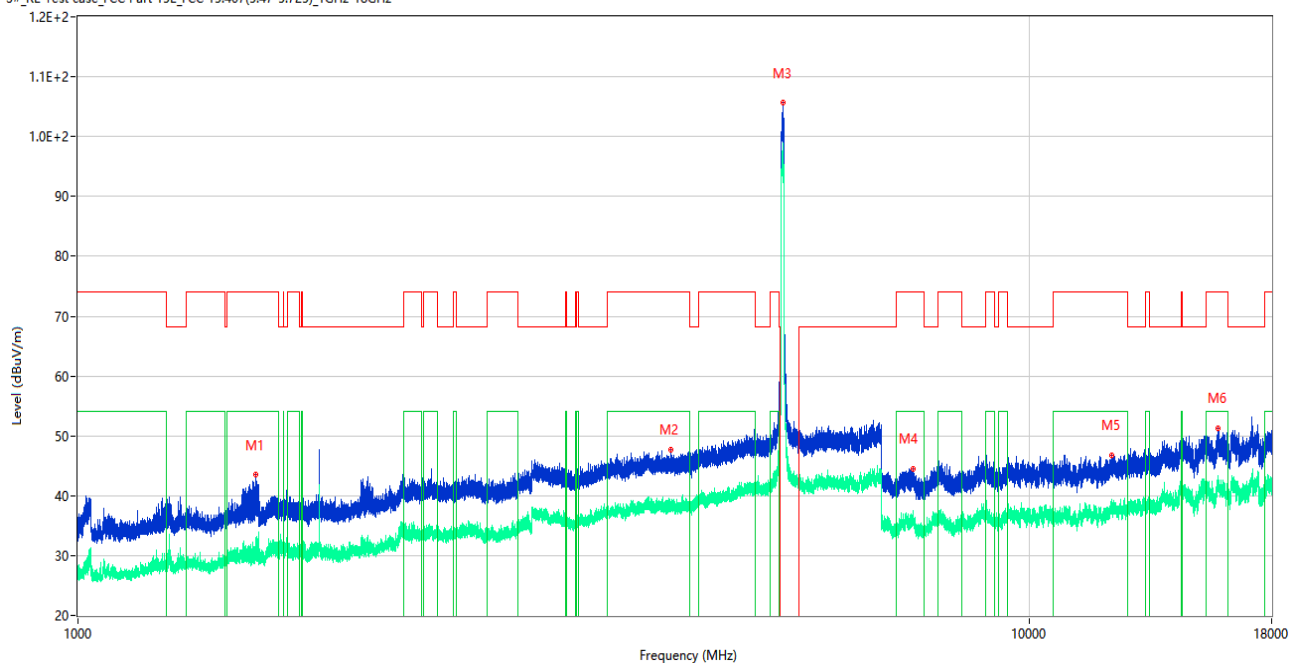
3# RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1526.900	43.63	74.0	30.37	Peak	229.00	300	Vertical	Pass
1**	1526.900	32.32	54.0	21.68	AV	229.00	300	Vertical	Pass
2	4204.800	49.02	74.0	24.98	Peak	99.00	200	Vertical	Pass
2**	4204.800	38.05	54.0	15.95	AV	99.00	200	Vertical	Pass
3	5702.200	109.26	--	--	Peak	176.00	100	Vertical	N/A
3**	5702.200	102.07	--	--	AV	176.00	100	Vertical	N/A
4	7549.700	45.15	74.0	28.85	Peak	154.00	300	Vertical	Pass
4**	7549.700	36.38	54.0	17.62	AV	154.00	300	Vertical	Pass
5	12458.474	47.38	74.0	26.62	Peak	256.00	100	Vertical	Pass
5**	12458.474	37.85	54.0	16.15	AV	256.00	100	Vertical	Pass
6	15810.750	50.82	74.0	23.18	Peak	95.00	400	Vertical	Pass
6**	15810.750	41.88	54.0	12.12	AV	95.00	400	Vertical	Pass

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

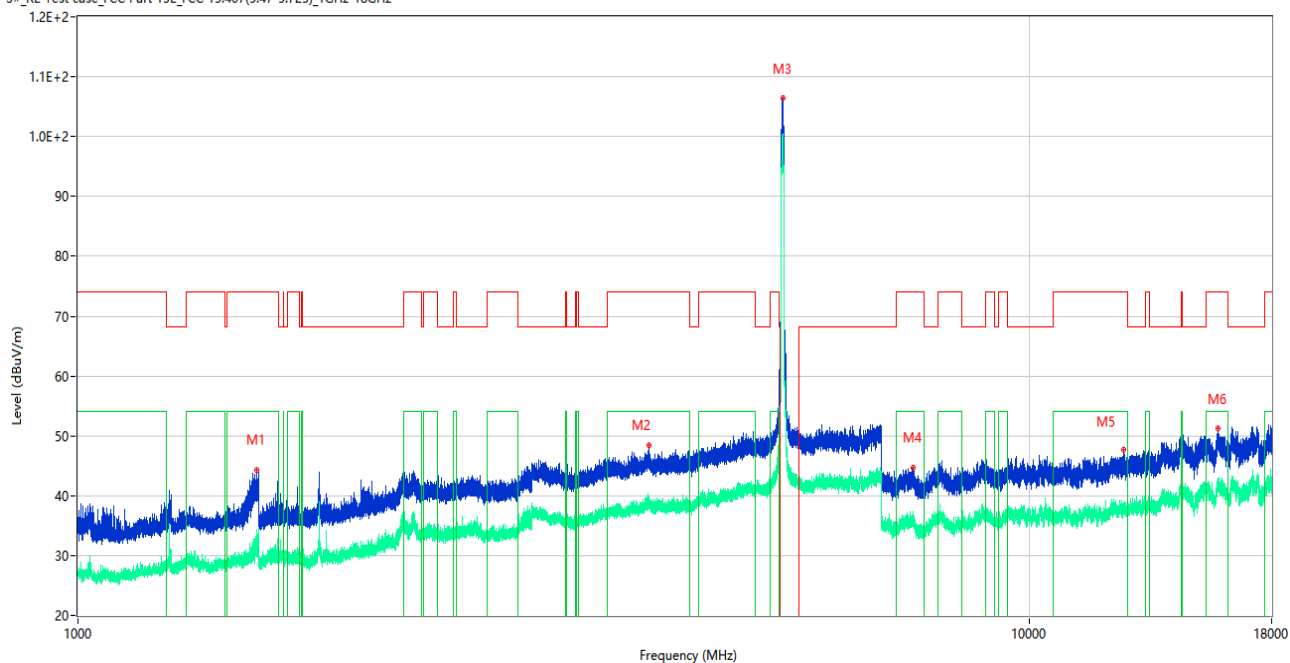
3# RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1537.700	43.45	74.0	30.55	Peak	193.00	200	Horizontal	Pass
1**	1537.700	32.70	54.0	21.30	AV	193.00	200	Horizontal	Pass
2	4205.400	47.72	74.0	26.28	Peak	153.00	300	Horizontal	Pass
2**	4205.400	38.44	54.0	15.56	AV	153.00	300	Horizontal	Pass
3	5512.600	105.60	--	--	Peak	275.00	200	Horizontal	N/A
3**	5512.600	98.16	--	--	AV	275.00	200	Horizontal	N/A
4	7549.700	44.54	74.0	29.46	Peak	19.00	300	Horizontal	Pass
4**	7549.700	36.82	54.0	17.18	AV	19.00	300	Horizontal	Pass
5	12210.362	46.82	74.0	27.18	Peak	156.00	100	Horizontal	Pass
5**	12210.362	38.00	54.0	16.00	AV	156.00	100	Horizontal	Pass
6	15807.337	51.33	74.0	22.67	Peak	132.00	100	Horizontal	Pass
6**	15807.337	41.98	54.0	12.02	AV	132.00	100	Horizontal	Pass

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

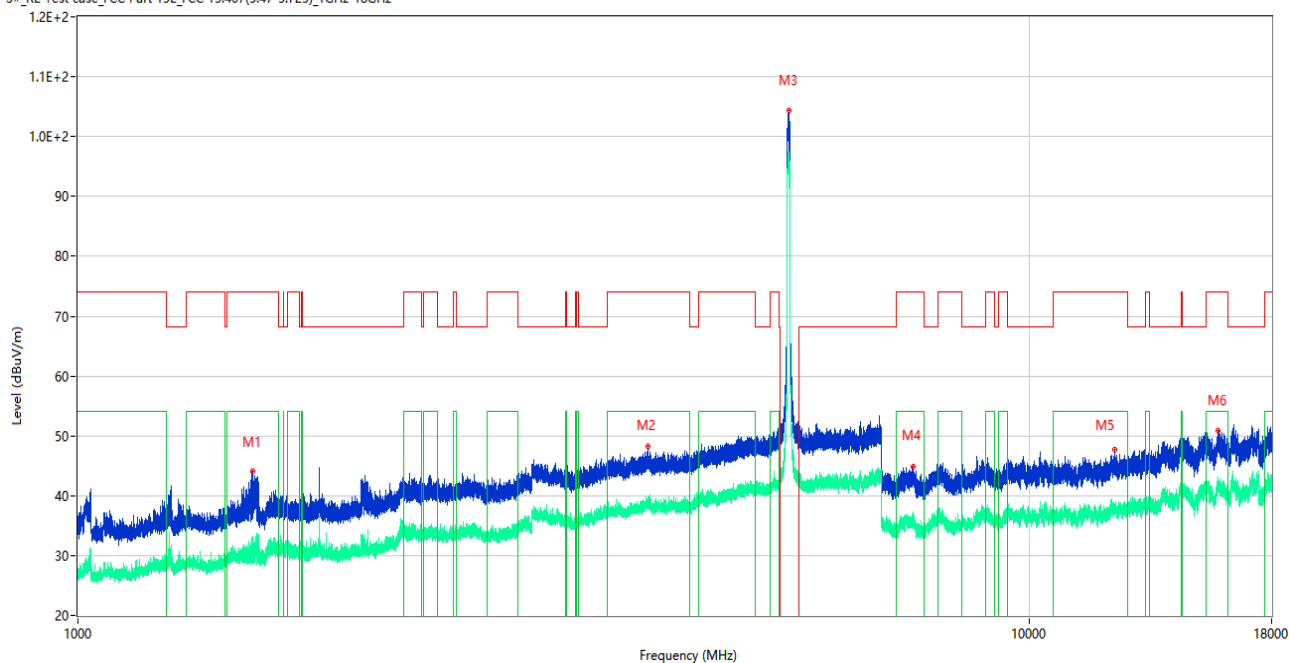
3# RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1543.300	44.31	74.0	29.69	Peak	237.00	400	Vertical	Pass
1**	1543.300	31.94	54.0	22.06	AV	237.00	400	Vertical	Pass
2	3981.600	48.51	74.0	25.49	Peak	359.00	100	Vertical	Pass
2**	3981.600	38.29	54.0	15.71	AV	359.00	100	Vertical	Pass
3	5511.600	106.37	--	--	Peak	199.00	100	Vertical	N/A
3**	5511.600	98.95	--	--	AV	199.00	100	Vertical	N/A
4	7553.438	44.74	74.0	29.26	Peak	325.00	300	Vertical	Pass
4**	7553.438	36.33	54.0	17.67	AV	325.00	300	Vertical	Pass
5	12584.688	47.66	74.0	26.34	Peak	308.00	100	Vertical	Pass
5**	12584.688	37.84	54.0	16.16	AV	308.00	100	Vertical	Pass
6	15803.138	51.17	74.0	22.83	Peak	92.00	400	Vertical	Pass
6**	15803.138	43.01	54.0	10.99	AV	92.00	400	Vertical	Pass

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

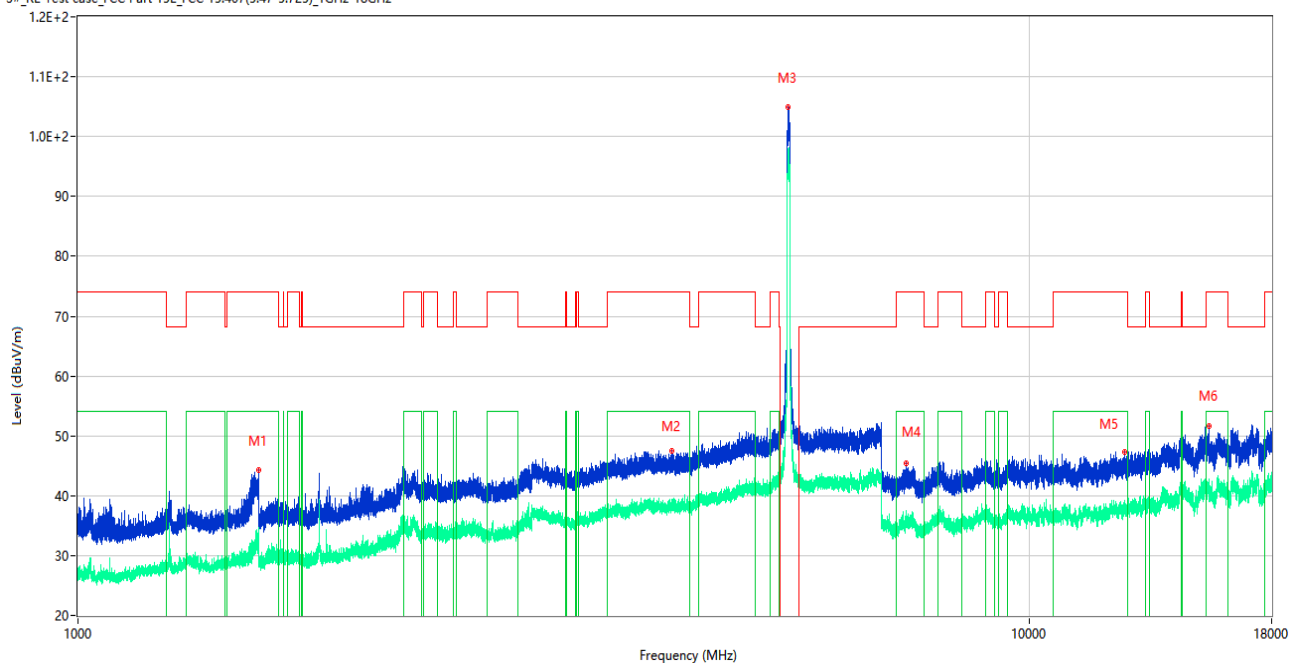
3# RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1525.500	44.08	74.0	29.92	Peak	192.00	300	Horizontal	Pass
1**	1525.500	31.74	54.0	22.26	AV	192.00	300	Horizontal	Pass
2	3971.200	48.20	74.0	25.80	Peak	145.00	100	Horizontal	Pass
2**	3971.200	38.16	54.0	15.84	AV	145.00	100	Horizontal	Pass
3	5592.000	104.43	--	--	Peak	275.00	200	Horizontal	N/A
3**	5592.000	96.55	--	--	AV	275.00	200	Horizontal	N/A
4	7555.450	44.82	74.0	29.18	Peak	360.00	400	Horizontal	Pass
4**	7555.450	35.86	54.0	18.14	AV	360.00	400	Horizontal	Pass
5	12325.075	47.67	74.0	26.33	Peak	172.00	100	Horizontal	Pass
5**	12325.075	37.94	54.0	16.06	AV	172.00	100	Horizontal	Pass
6	15802.613	50.93	74.0	23.07	Peak	359.00	200	Horizontal	Pass
6**	15802.613	42.11	54.0	11.89	AV	359.00	200	Horizontal	Pass

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

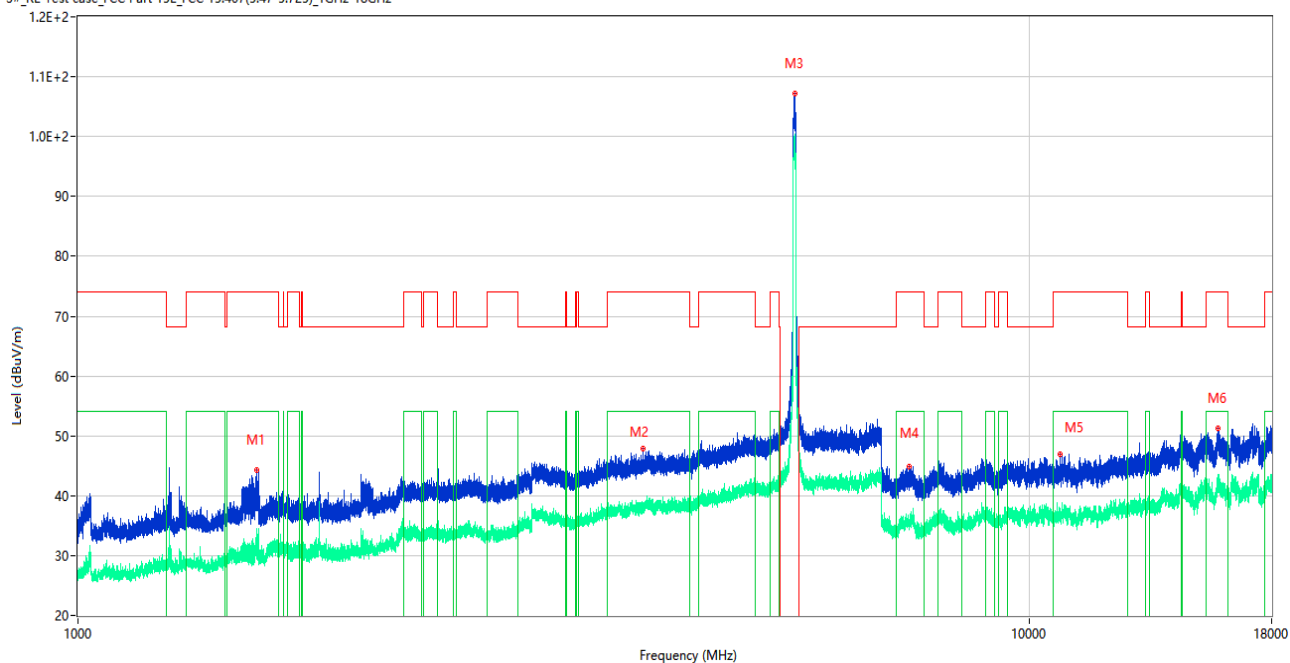
3# RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1547.600	44.22	74.0	29.78	Peak	72.00	200	Vertical	Pass
1**	1547.600	34.61	54.0	19.39	AV	72.00	200	Vertical	Pass
2	4210.000	47.49	74.0	26.51	Peak	0.00	100	Vertical	Pass
2**	4210.000	38.39	54.0	15.61	AV	0.00	100	Vertical	Pass
3	5585.400	104.89	--	--	Peak	199.00	200	Vertical	N/A
3**	5585.400	96.94	--	--	AV	199.00	200	Vertical	N/A
4	7434.988	45.49	74.0	28.51	Peak	360.00	300	Vertical	Pass
4**	7434.988	35.47	54.0	18.53	AV	360.00	300	Vertical	Pass
5	12600.787	47.39	74.0	26.61	Peak	54.00	200	Vertical	Pass
5**	12600.787	38.45	54.0	15.55	AV	54.00	200	Vertical	Pass
6	15461.363	51.65	74.0	22.35	Peak	189.00	400	Vertical	Pass
6**	15461.363	41.21	54.0	12.79	AV	189.00	400	Vertical	Pass

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

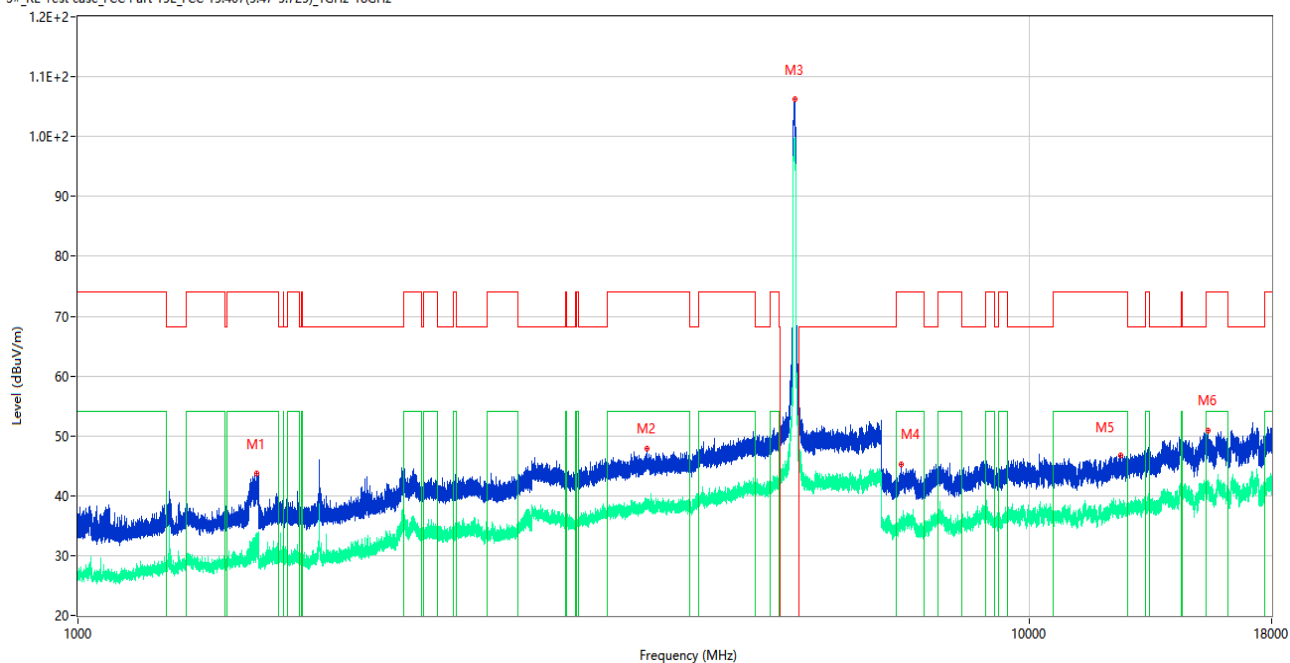
3# RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1541.100	44.33	74.0	29.67	Peak	195.00	400	Horizontal	Pass
1**	1541.100	32.01	54.0	21.99	AV	195.00	400	Horizontal	Pass
2	3928.600	47.83	74.0	26.17	Peak	39.00	300	Horizontal	Pass
2**	3928.600	38.04	54.0	15.96	AV	39.00	300	Horizontal	Pass
3	5671.600	107.20	--	--	Peak	249.00	200	Horizontal	N/A
3**	5671.600	99.52	--	--	AV	249.00	200	Horizontal	N/A
4	7481.563	44.79	74.0	29.21	Peak	278.00	100	Horizontal	Pass
4**	7481.563	35.69	54.0	18.31	AV	278.00	100	Horizontal	Pass
5	10791.262	46.89	74.0	27.11	Peak	106.00	150	Horizontal	Pass
5**	10791.262	36.09	54.0	17.91	AV	106.00	150	Horizontal	Pass
6	15806.812	51.31	74.0	22.69	Peak	112.00	400	Horizontal	Pass
6**	15806.812	42.43	54.0	11.57	AV	112.00	400	Horizontal	Pass

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

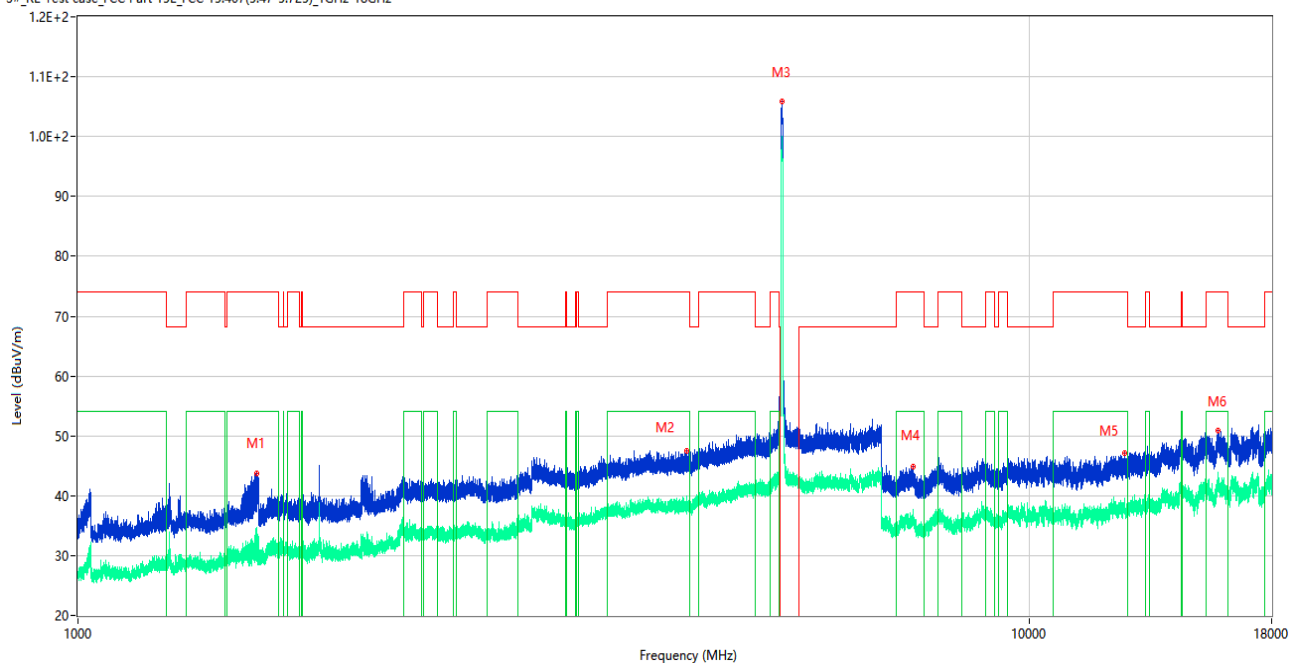
3# RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1542.800	43.68	74.0	30.32	Peak	241.00	300	Vertical	Pass
1**	1542.800	33.59	54.0	20.41	AV	241.00	300	Vertical	Pass
2	3968.400	47.81	74.0	26.19	Peak	55.00	400	Vertical	Pass
2**	3968.400	38.76	54.0	15.24	AV	55.00	400	Vertical	Pass
3	5671.600	106.16	--	--	Peak	318.00	200	Vertical	N/A
3**	5671.600	99.94	--	--	AV	318.00	200	Vertical	N/A
4	7341.263	45.24	74.0	28.76	Peak	18.00	100	Vertical	Pass
4**	7341.263	34.64	54.0	19.36	AV	18.00	100	Vertical	Pass
5	12488.088	46.81	74.0	27.19	Peak	138.00	100	Vertical	Pass
5**	12488.088	38.08	54.0	15.92	AV	138.00	100	Vertical	Pass
6	15438.525	50.96	74.0	23.04	Peak	74.00	300	Vertical	Pass
6**	15438.525	40.80	54.0	13.20	AV	74.00	300	Vertical	Pass

11ac20, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT H

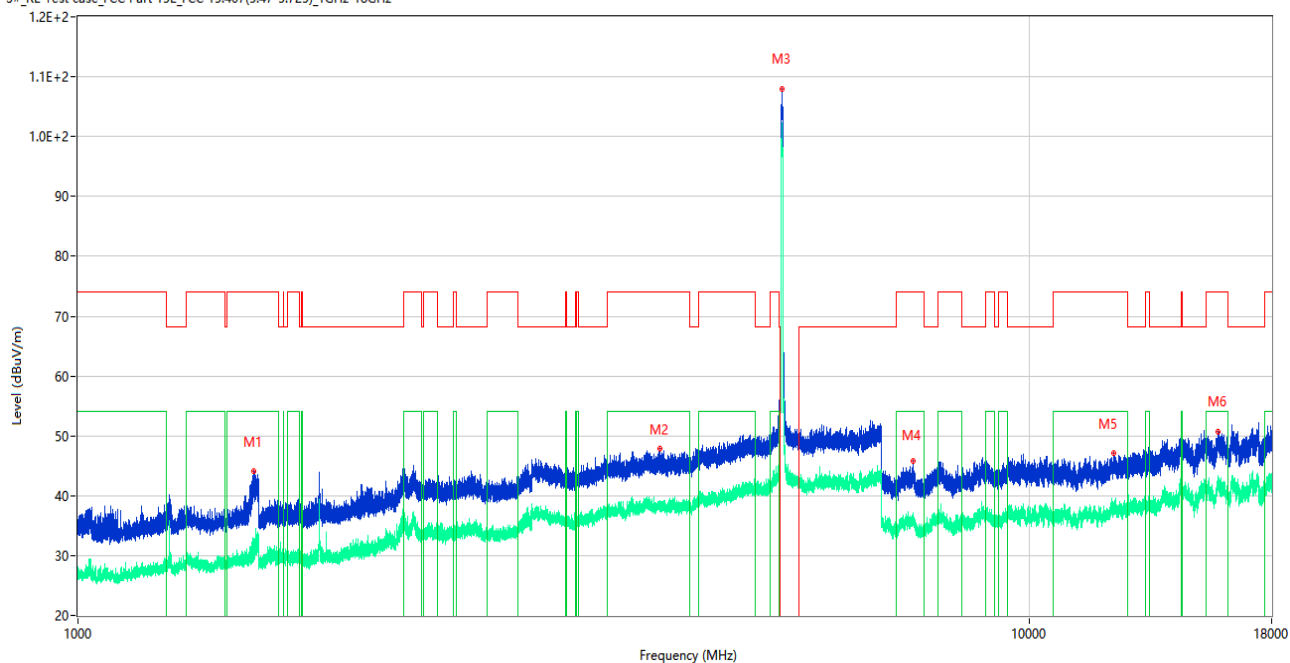
3# RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1542.200	43.82	74.0	30.18	Peak	193.00	400	Horizontal	Pass
1**	1542.200	33.27	54.0	20.73	AV	193.00	400	Horizontal	Pass
2	4363.600	47.57	74.0	26.43	Peak	310.00	100	Horizontal	Pass
2**	4363.600	37.76	54.0	16.24	AV	310.00	100	Horizontal	Pass
3	5499.200	105.82	--	--	Peak	241.00	100	Horizontal	N/A
3**	5499.200	100.12	--	--	AV	241.00	100	Horizontal	N/A
4	7556.888	44.86	74.0	29.14	Peak	140.00	400	Horizontal	Pass
4**	7556.888	36.68	54.0	17.32	AV	140.00	400	Horizontal	Pass
5	12606.537	47.09	74.0	26.91	Peak	211.00	100	Horizontal	Pass
5**	12606.537	38.10	54.0	15.90	AV	211.00	100	Horizontal	Pass
6	15789.225	50.83	74.0	23.17	Peak	51.00	100	Horizontal	Pass
6**	15789.225	41.60	54.0	12.40	AV	51.00	100	Horizontal	Pass

11ac20, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT V

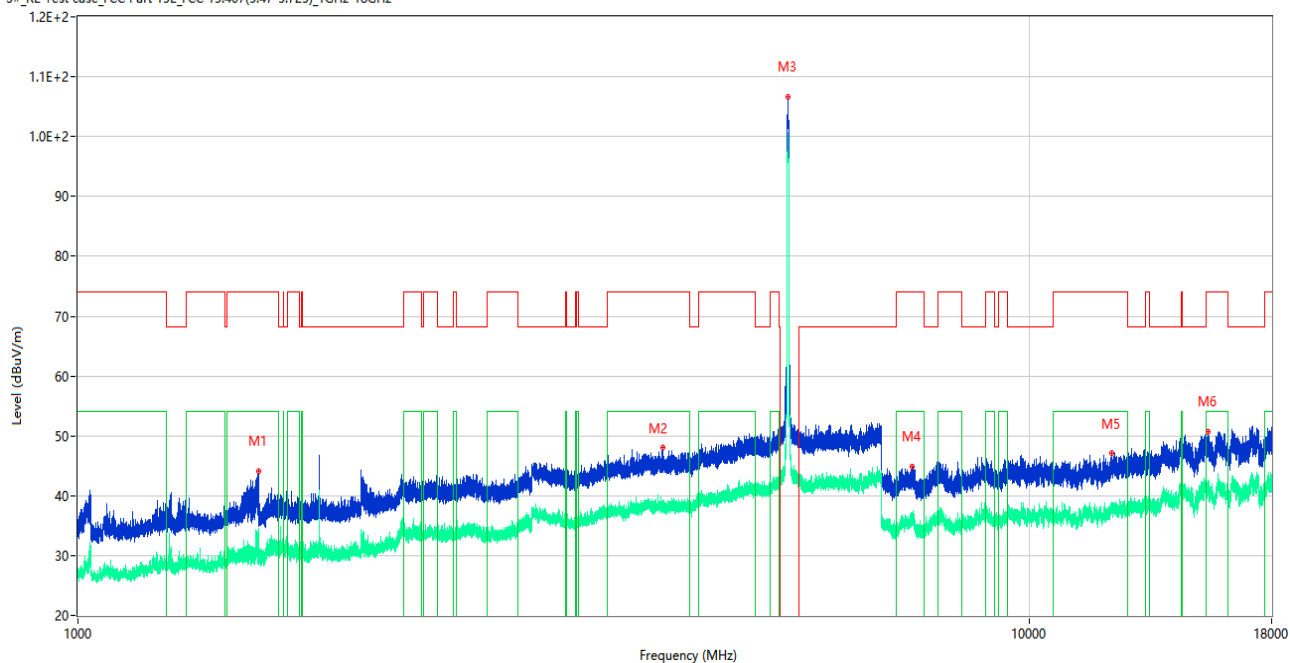
3# RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1529.000	44.04	74.0	29.96	Peak	235.00	300	Vertical	Pass
1**	1529.000	31.45	54.0	22.55	AV	235.00	300	Vertical	Pass
2	4096.600	47.96	74.0	26.04	Peak	72.00	400	Vertical	Pass
2**	4096.600	38.85	54.0	15.15	AV	72.00	400	Vertical	Pass
3	5499.400	107.98	--	--	Peak	207.00	100	Vertical	N/A
3**	5499.400	100.81	--	--	AV	207.00	100	Vertical	N/A
4	7554.300	45.84	74.0	28.16	Peak	18.00	100	Vertical	Pass
4**	7554.300	35.69	54.0	18.31	AV	18.00	100	Vertical	Pass
5	12285.400	47.12	74.0	26.88	Peak	210.00	100	Vertical	Pass
5**	12285.400	38.14	54.0	15.86	AV	210.00	100	Vertical	Pass
6	15815.999	50.79	74.0	23.21	Peak	226.00	300	Vertical	Pass
6**	15815.999	41.88	54.0	12.12	AV	226.00	300	Vertical	Pass

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

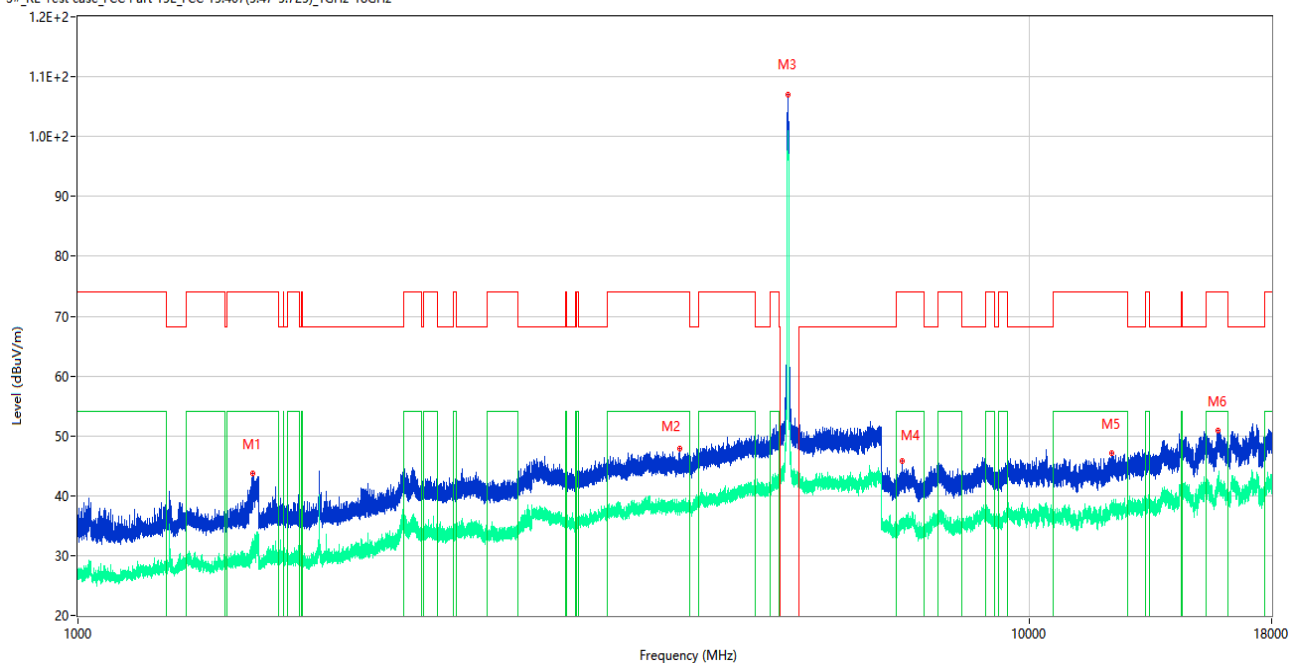
3# RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1547.700	44.12	74.0	29.88	Peak	190.00	300	Horizontal	Pass
1**	1547.700	29.07	54.0	24.93	AV	190.00	300	Horizontal	Pass
2	4126.000	47.99	74.0	26.01	Peak	35.00	300	Horizontal	Pass
2**	4126.000	38.23	54.0	15.77	AV	35.00	300	Horizontal	Pass
3	5577.600	106.70	--	--	Peak	256.00	150	Horizontal	N/A
3**	5577.600	99.70	--	--	AV	256.00	150	Horizontal	N/A
4	7543.088	44.88	74.0	29.12	Peak	139.00	100	Horizontal	Pass
4**	7543.088	37.13	54.0	16.87	AV	139.00	100	Horizontal	Pass
5	12214.388	47.07	74.0	26.93	Peak	1.00	150	Horizontal	Pass
5**	12214.388	38.21	54.0	15.79	AV	1.00	150	Horizontal	Pass
6	15439.050	50.77	74.0	23.23	Peak	228.00	300	Horizontal	Pass
6**	15439.050	40.63	54.0	13.37	AV	228.00	300	Horizontal	Pass

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

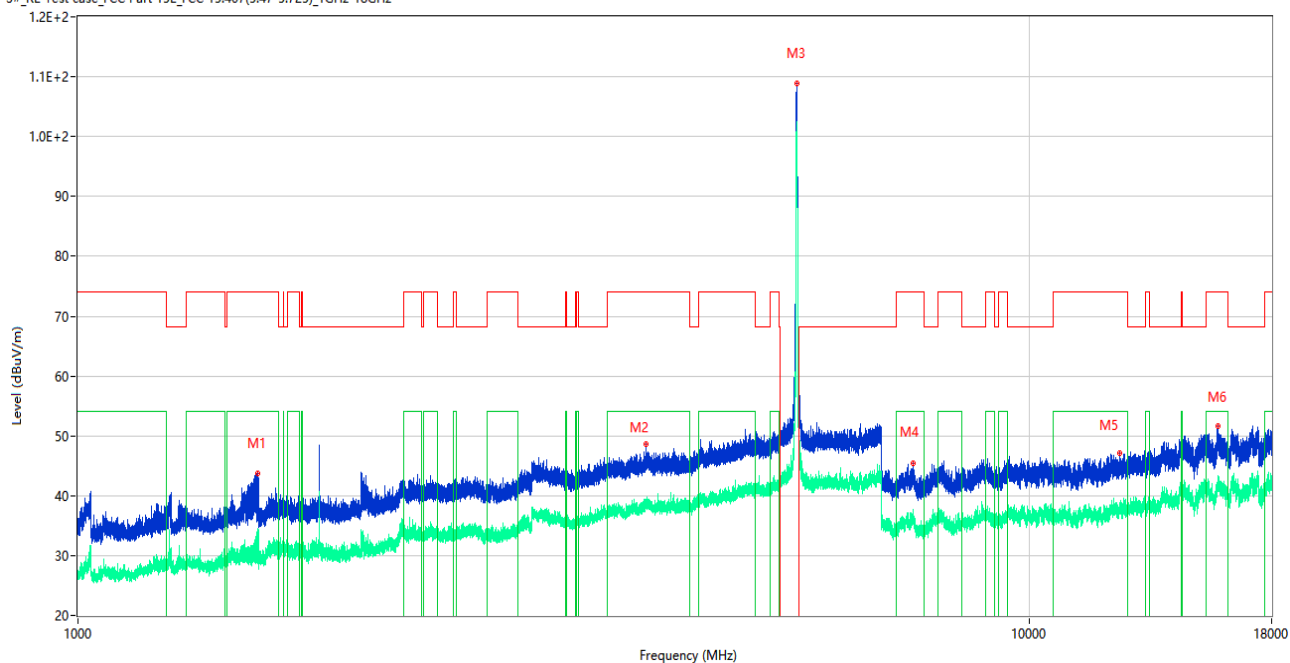
3# RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1525.300	43.65	74.0	30.35	Peak	82.00	400	Vertical	Pass
1**	1525.300	29.86	54.0	24.14	AV	82.00	400	Vertical	Pass
2	4298.800	47.91	74.0	26.09	Peak	289.00	400	Vertical	Pass
2**	4298.800	38.21	54.0	15.79	AV	289.00	400	Vertical	Pass
3	5581.000	107.01	--	--	Peak	199.00	150	Vertical	N/A
3**	5581.000	99.36	--	--	AV	199.00	150	Vertical	N/A
4	7351.612	45.76	74.0	28.24	Peak	326.00	100	Vertical	Pass
4**	7351.612	35.07	54.0	18.93	AV	326.00	100	Vertical	Pass
5	12223.875	47.07	74.0	26.93	Peak	103.00	150	Vertical	Pass
5**	12223.875	37.64	54.0	16.36	AV	103.00	150	Vertical	Pass
6	15814.162	50.82	74.0	23.18	Peak	20.00	100	Vertical	Pass
6**	15814.162	41.95	54.0	12.05	AV	20.00	100	Vertical	Pass

11ac20, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT H

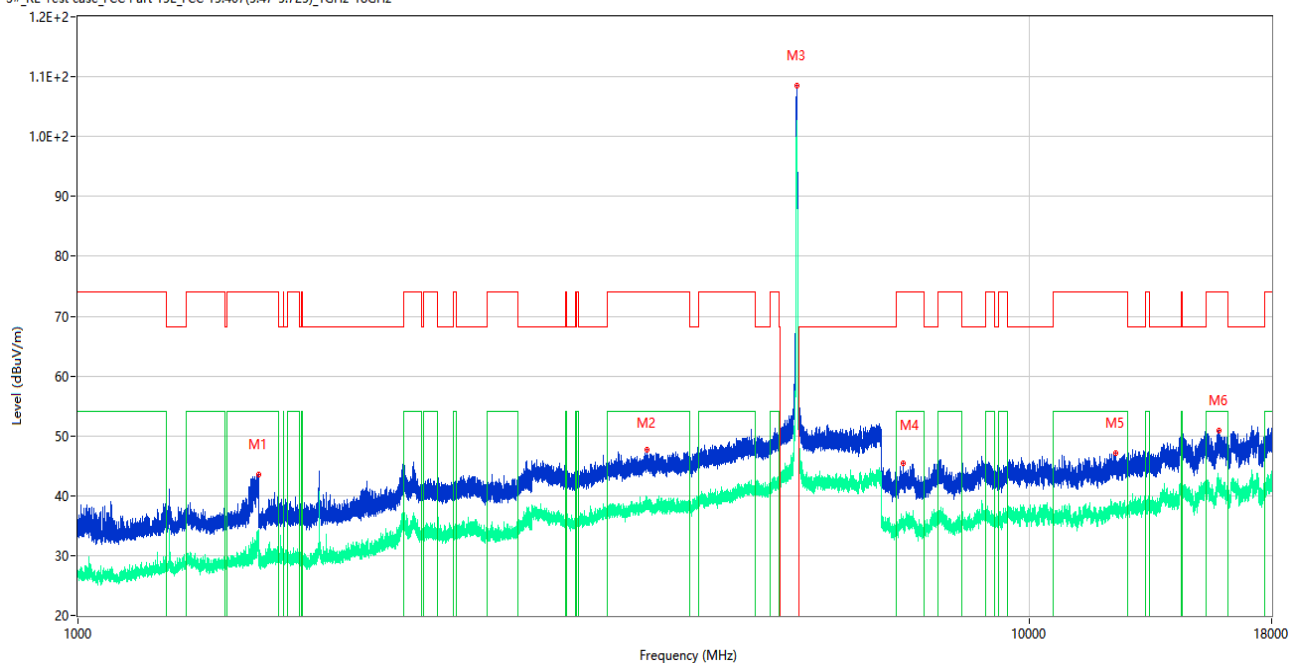
3# RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1544.200	43.76	74.0	30.24	Peak	194.00	300	Horizontal	Pass
1**	1544.200	29.98	54.0	24.02	AV	194.00	300	Horizontal	Pass
2	3952.600	48.67	74.0	25.33	Peak	31.00	100	Horizontal	Pass
2**	3952.600	37.99	54.0	16.01	AV	31.00	100	Horizontal	Pass
3	5701.000	108.88	--	--	Peak	243.00	100	Horizontal	N/A
3**	5701.000	102.57	--	--	AV	243.00	100	Horizontal	N/A
4	7554.300	45.52	74.0	28.48	Peak	97.00	400	Horizontal	Pass
4**	7554.300	36.76	54.0	17.24	AV	97.00	400	Horizontal	Pass
5	12463.362	47.05	74.0	26.95	Peak	251.00	100	Horizontal	Pass
5**	12463.362	38.37	54.0	15.63	AV	251.00	100	Horizontal	Pass
6	15806.812	51.58	74.0	22.42	Peak	169.00	300	Horizontal	Pass
6**	15806.812	43.28	54.0	10.72	AV	169.00	300	Horizontal	Pass

11ac20, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT V

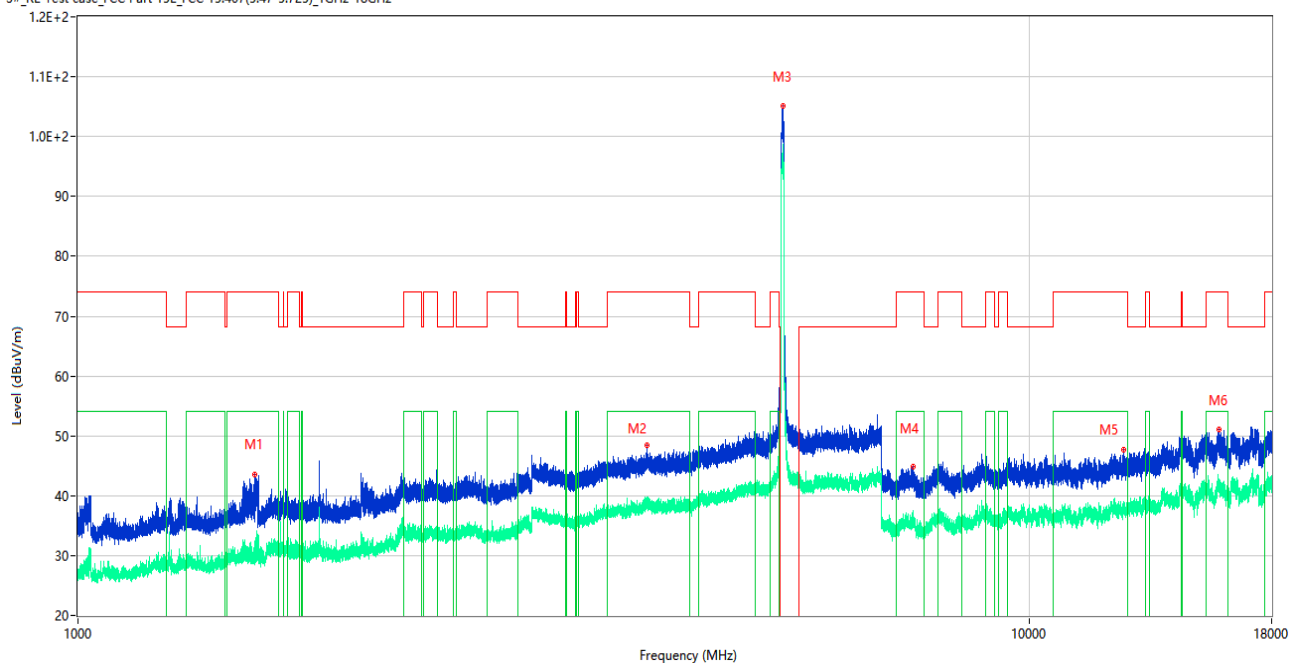
3# RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1547.300	43.61	74.0	30.39	Peak	91.00	100	Vertical	Pass
1**	1547.300	32.00	54.0	22.00	AV	91.00	100	Vertical	Pass
2	3969.000	47.64	74.0	26.36	Peak	76.00	200	Vertical	Pass
2**	3969.000	38.23	54.0	15.77	AV	76.00	200	Vertical	Pass
3	5702.400	108.54	--	--	Peak	175.00	100	Vertical	N/A
3**	5702.400	102.71	--	--	AV	175.00	100	Vertical	N/A
4	7380.362	45.47	74.0	28.53	Peak	87.00	100	Vertical	Pass
4**	7380.362	35.71	54.0	18.29	AV	87.00	100	Vertical	Pass
5	12341.750	47.16	74.0	26.84	Peak	1.00	100	Vertical	Pass
5**	12341.750	37.13	54.0	16.87	AV	1.00	100	Vertical	Pass
6	15839.100	50.90	74.0	23.10	Peak	76.00	200	Vertical	Pass
6**	15839.100	40.99	54.0	13.01	AV	76.00	200	Vertical	Pass

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

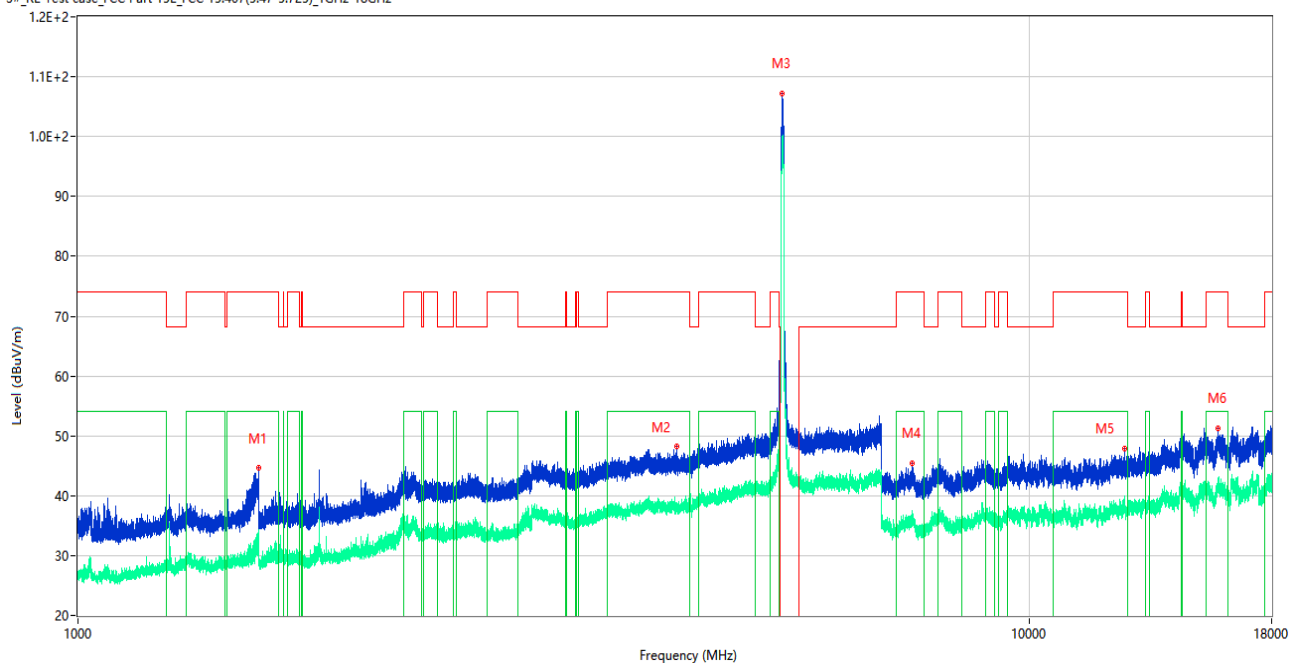
3# RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1532.500	43.63	74.0	30.37	Peak	190.00	300	Horizontal	Pass
1**	1532.500	31.26	54.0	22.74	AV	190.00	300	Horizontal	Pass
2	3964.600	48.35	74.0	25.65	Peak	342.00	300	Horizontal	Pass
2**	3964.600	39.09	54.0	14.91	AV	342.00	300	Horizontal	Pass
3	5515.200	105.04	--	--	Peak	275.00	150	Horizontal	N/A
3**	5515.200	97.92	--	--	AV	275.00	150	Horizontal	N/A
4	7557.175	44.90	74.0	29.10	Peak	230.00	200	Horizontal	Pass
4**	7557.175	36.39	54.0	17.61	AV	230.00	200	Horizontal	Pass
5	12591.013	47.76	74.0	26.24	Peak	128.00	150	Horizontal	Pass
5**	12591.013	38.71	54.0	15.29	AV	128.00	150	Horizontal	Pass
6	15840.938	51.04	74.0	22.96	Peak	284.00	200	Horizontal	Pass
6**	15840.938	41.86	54.0	12.14	AV	284.00	200	Horizontal	Pass

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

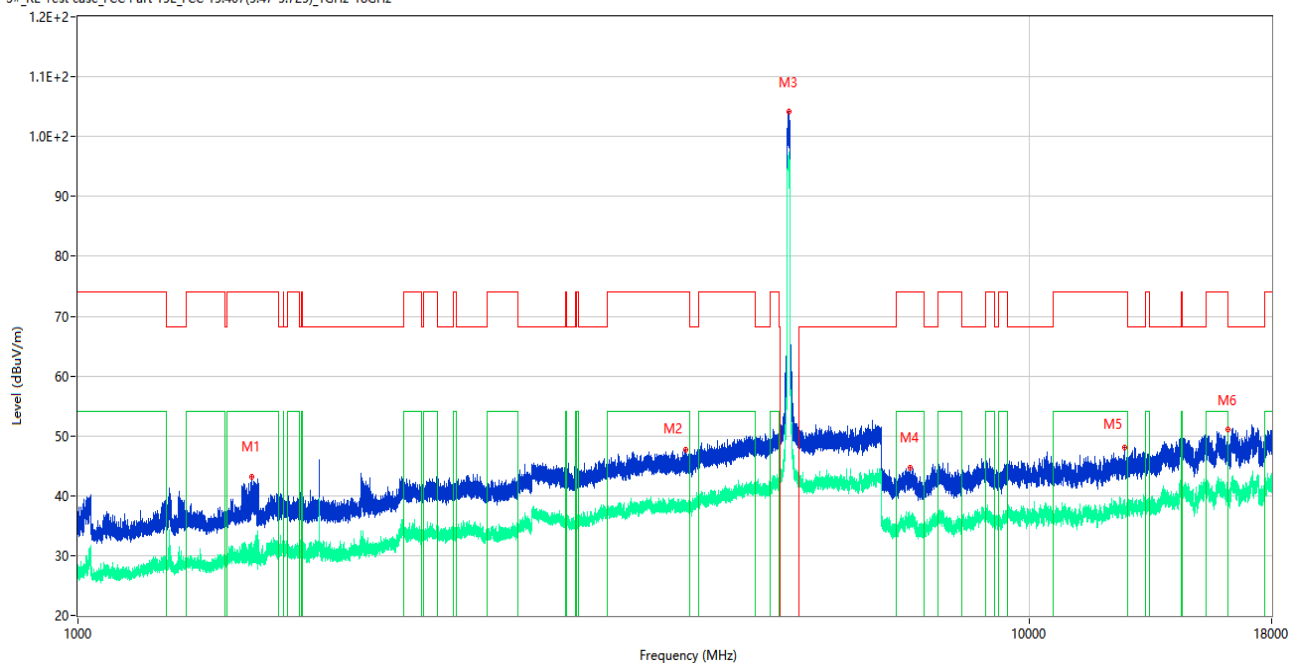
3# RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1547.800	44.63	74.0	29.37	Peak	92.00	400	Vertical	Pass
1**	1547.800	32.02	54.0	21.98	AV	92.00	400	Vertical	Pass
2	4262.600	48.27	74.0	25.73	Peak	359.00	400	Vertical	Pass
2**	4262.600	37.81	54.0	16.19	AV	359.00	400	Vertical	Pass
3	5506.200	107.24	--	--	Peak	209.00	200	Vertical	N/A
3**	5506.200	98.99	--	--	AV	209.00	200	Vertical	N/A
4	7541.938	45.49	74.0	28.51	Peak	207.00	300	Vertical	Pass
4**	7541.938	37.24	54.0	16.76	AV	207.00	300	Vertical	Pass
5	12597.049	47.79	74.0	26.21	Peak	190.00	100	Vertical	Pass
5**	12597.049	38.29	54.0	15.71	AV	190.00	100	Vertical	Pass
6	15804.188	51.33	74.0	22.67	Peak	151.00	400	Vertical	Pass
6**	15804.188	42.62	54.0	11.38	AV	151.00	400	Vertical	Pass

11ac40, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT H

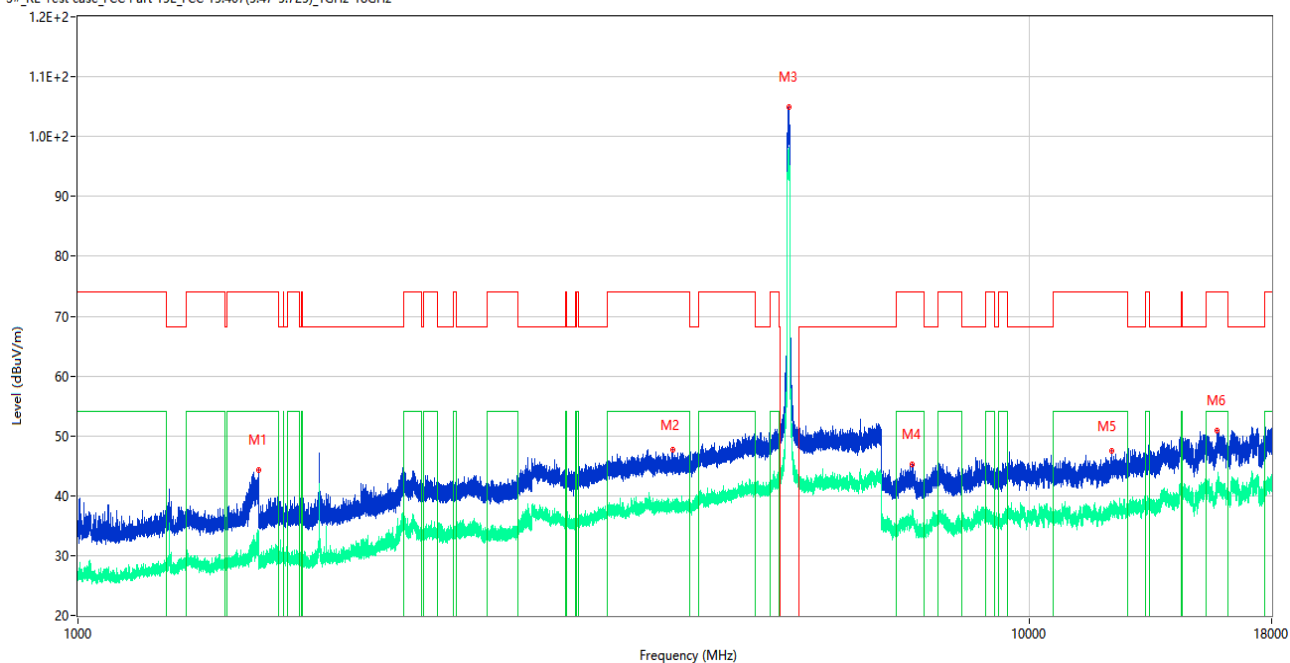
3# RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1523.000	43.17	74.0	30.83	Peak	189.00	100	Horizontal	Pass
1**	1523.000	28.45	54.0	25.55	AV	189.00	100	Horizontal	Pass
2	4352.400	47.64	74.0	26.36	Peak	307.00	300	Horizontal	Pass
2**	4352.400	38.90	54.0	15.10	AV	307.00	300	Horizontal	Pass
3	5587.600	104.13	--	--	Peak	241.00	200	Horizontal	N/A
3**	5587.600	96.45	--	--	AV	241.00	200	Horizontal	N/A
4	7505.425	44.67	74.0	29.33	Peak	155.00	400	Horizontal	Pass
4**	7505.425	35.30	54.0	18.70	AV	155.00	400	Horizontal	Pass
5	12595.037	48.06	74.0	25.94	Peak	189.00	150	Horizontal	Pass
5**	12595.037	37.86	54.0	16.14	AV	189.00	150	Horizontal	Pass
6	16177.200	51.00	74.0	23.00	Peak	264.00	300	Horizontal	Pass
6**	16177.200	41.09	54.0	12.91	AV	264.00	300	Horizontal	Pass

11ac40, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT V

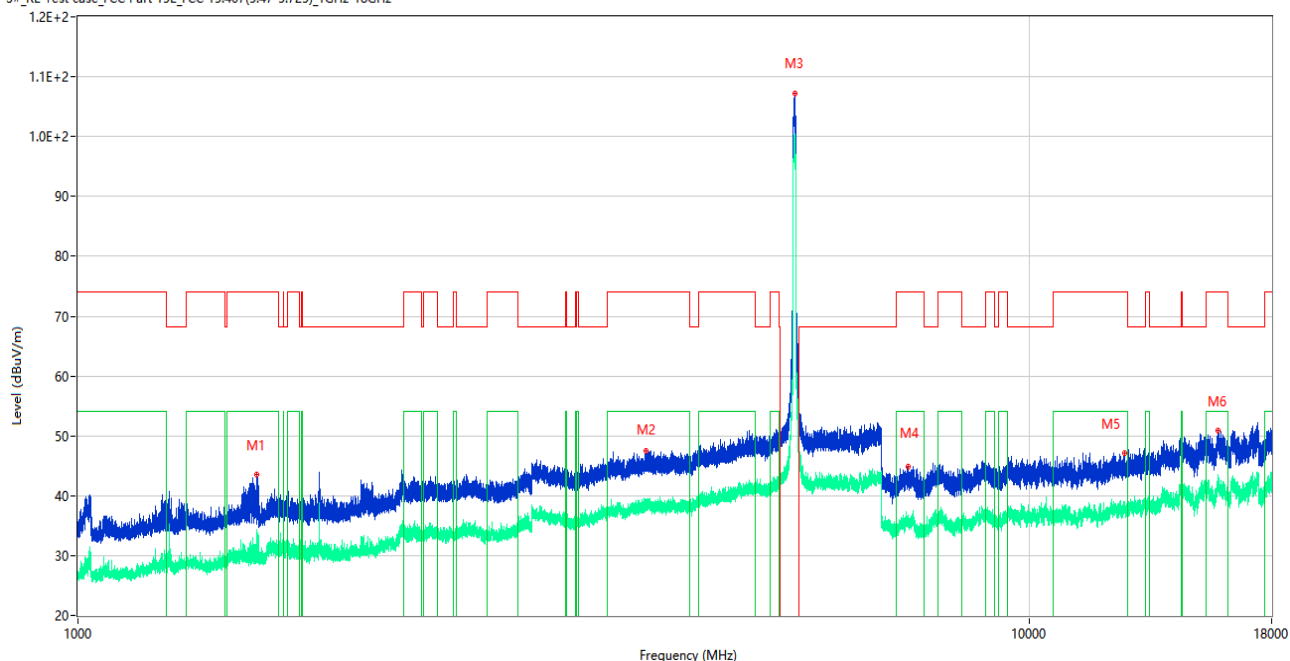
3# RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1547.700	44.36	74.0	29.64	Peak	86.00	100	Vertical	Pass
1**	1547.700	33.23	54.0	20.77	AV	86.00	100	Vertical	Pass
2	4219.400	47.73	74.0	26.27	Peak	0.00	400	Vertical	Pass
2**	4219.400	38.73	54.0	15.27	AV	0.00	400	Vertical	Pass
3	5593.600	104.97	--	--	Peak	185.00	200	Vertical	N/A
3**	5593.600	97.56	--	--	AV	185.00	200	Vertical	N/A
4	7544.813	45.31	74.0	28.69	Peak	360.00	400	Vertical	Pass
4**	7544.813	35.95	54.0	18.05	AV	360.00	400	Vertical	Pass
5	12224.451	47.45	74.0	26.55	Peak	70.00	100	Vertical	Pass
5**	12224.451	37.86	54.0	16.14	AV	70.00	100	Vertical	Pass
6	15788.701	50.96	74.0	23.04	Peak	129.00	200	Vertical	Pass
6**	15788.701	41.74	54.0	12.26	AV	129.00	200	Vertical	Pass

11ac40, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT H

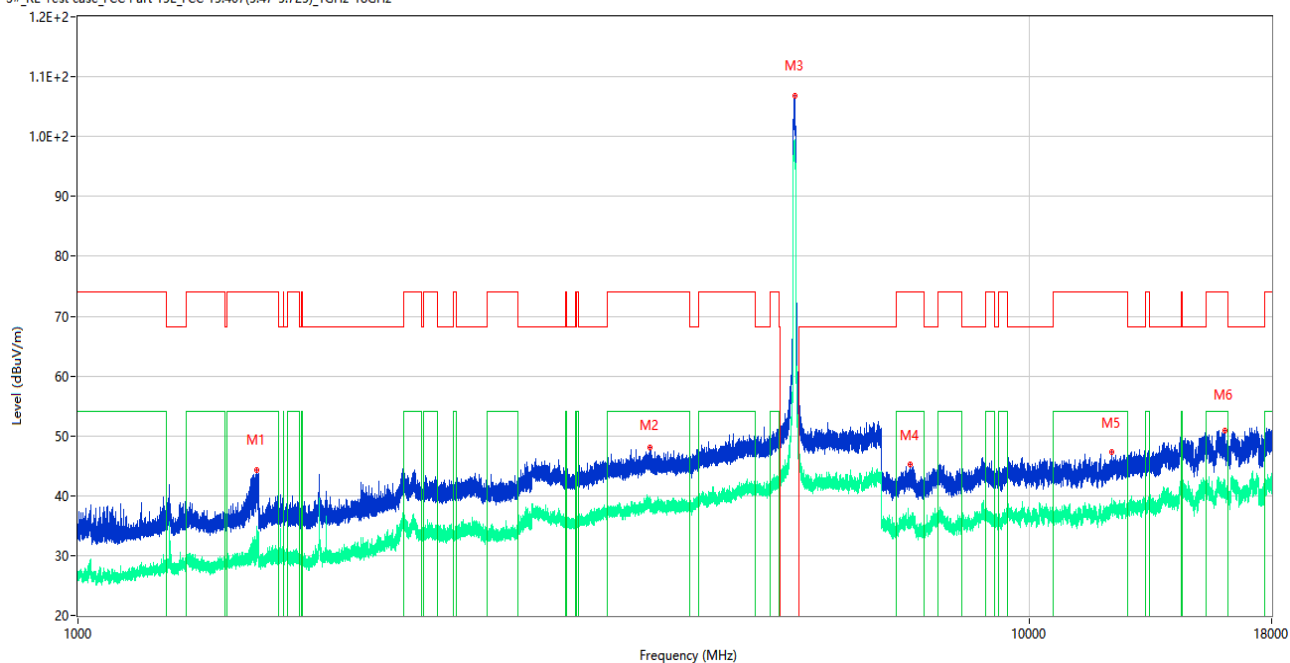
3# RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1540.100	43.46	74.0	30.54	Peak	195.00	200	Horizontal	Pass
1**	1540.100	29.81	54.0	24.19	AV	195.00	200	Horizontal	Pass
2	3954.200	47.54	74.0	26.46	Peak	0.00	200	Horizontal	Pass
2**	3954.200	38.65	54.0	15.35	AV	0.00	200	Horizontal	Pass
3	5672.800	107.26	--	--	Peak	251.00	200	Horizontal	N/A
3**	5672.800	99.59	--	--	AV	251.00	200	Horizontal	N/A
4	7464.312	44.86	74.0	29.14	Peak	328.00	200	Horizontal	Pass
4**	7464.312	36.01	54.0	17.99	AV	328.00	200	Horizontal	Pass
5	12610.275	47.11	74.0	26.89	Peak	259.00	200	Horizontal	Pass
5**	12610.275	38.29	54.0	15.71	AV	259.00	200	Horizontal	Pass
6	15806.287	50.80	74.0	23.20	Peak	17.00	100	Horizontal	Pass
6**	15806.287	42.46	54.0	11.54	AV	17.00	100	Horizontal	Pass

11ac40, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT V

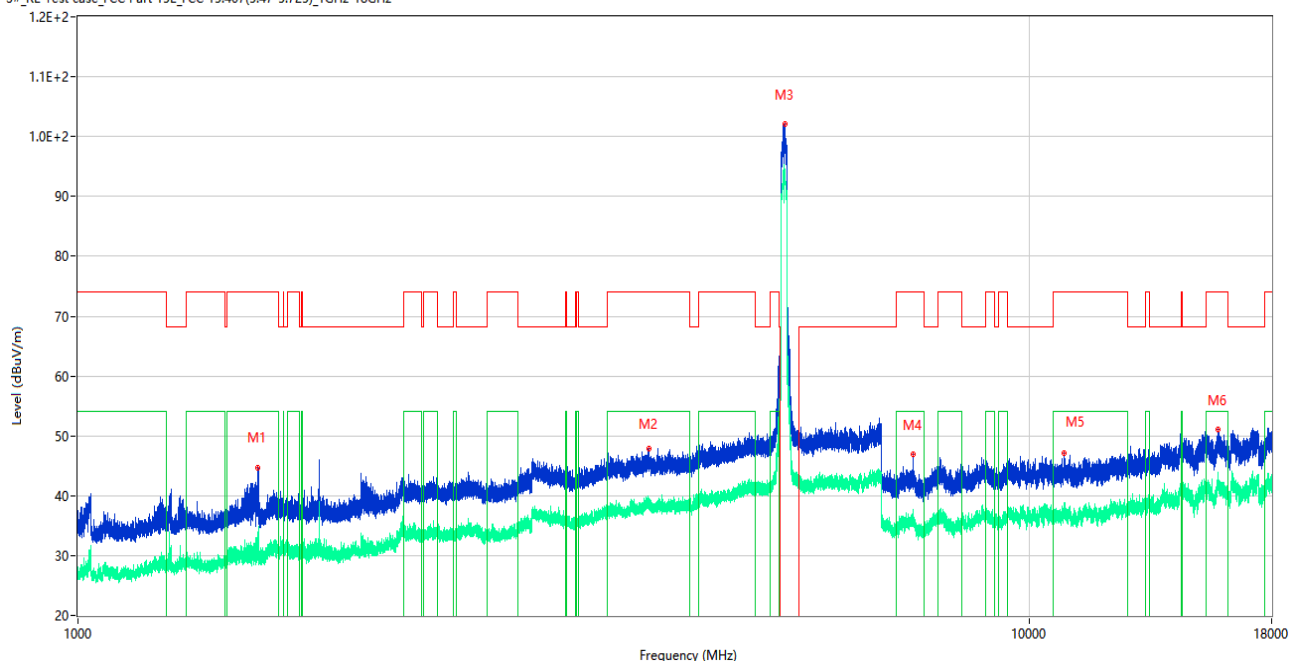
3# RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1541.800	44.37	74.0	29.63	Peak	87.00	300	Vertical	Pass
1**	1541.800	32.56	54.0	21.44	AV	87.00	300	Vertical	Pass
2	3999.600	48.06	74.0	25.94	Peak	110.00	400	Vertical	Pass
2**	3999.600	38.80	54.0	15.20	AV	110.00	400	Vertical	Pass
3	5672.200	106.82	--	--	Peak	318.00	100	Vertical	N/A
3**	5672.200	99.13	--	--	AV	318.00	100	Vertical	N/A
4	7501.975	45.21	74.0	28.79	Peak	360.00	100	Vertical	Pass
4**	7501.975	35.62	54.0	18.38	AV	360.00	100	Vertical	Pass
5	12227.613	47.22	74.0	26.78	Peak	35.00	100	Vertical	Pass
5**	12227.613	37.50	54.0	16.50	AV	35.00	100	Vertical	Pass
6	16088.738	50.86	74.0	23.14	Peak	0.00	400	Vertical	Pass
6**	16088.738	41.30	54.0	12.70	AV	0.00	400	Vertical	Pass

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

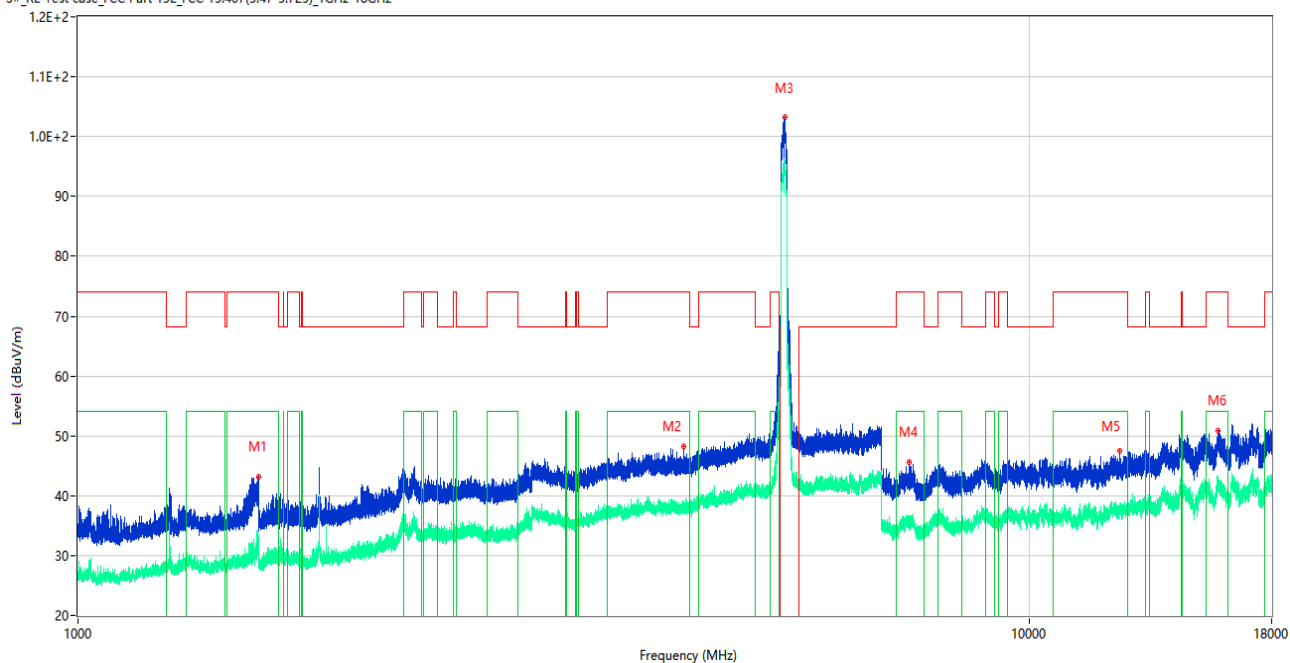
3# RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1546.300	44.67	74.0	29.33	Peak	251.00	200	Horizontal	Pass
1**	1546.300	33.20	54.0	20.80	AV	251.00	200	Horizontal	Pass
2	3983.800	47.85	74.0	26.15	Peak	61.00	400	Horizontal	Pass
2**	3983.800	38.15	54.0	15.85	AV	61.00	400	Horizontal	Pass
3	5535.400	102.08	--	--	Peak	239.00	150	Horizontal	N/A
3**	5535.400	94.42	--	--	AV	239.00	150	Horizontal	N/A
4	7557.175	46.86	74.0	27.14	Peak	124.00	200	Horizontal	Pass
4**	7557.175	35.80	54.0	18.20	AV	124.00	200	Horizontal	Pass
5	10879.526	47.14	74.0	26.86	Peak	313.00	100	Horizontal	Pass
5**	10879.526	36.49	54.0	17.51	AV	313.00	100	Horizontal	Pass
6	15801.562	51.06	74.0	22.94	Peak	189.00	300	Horizontal	Pass
6**	15801.562	42.10	54.0	11.90	AV	189.00	300	Horizontal	Pass

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

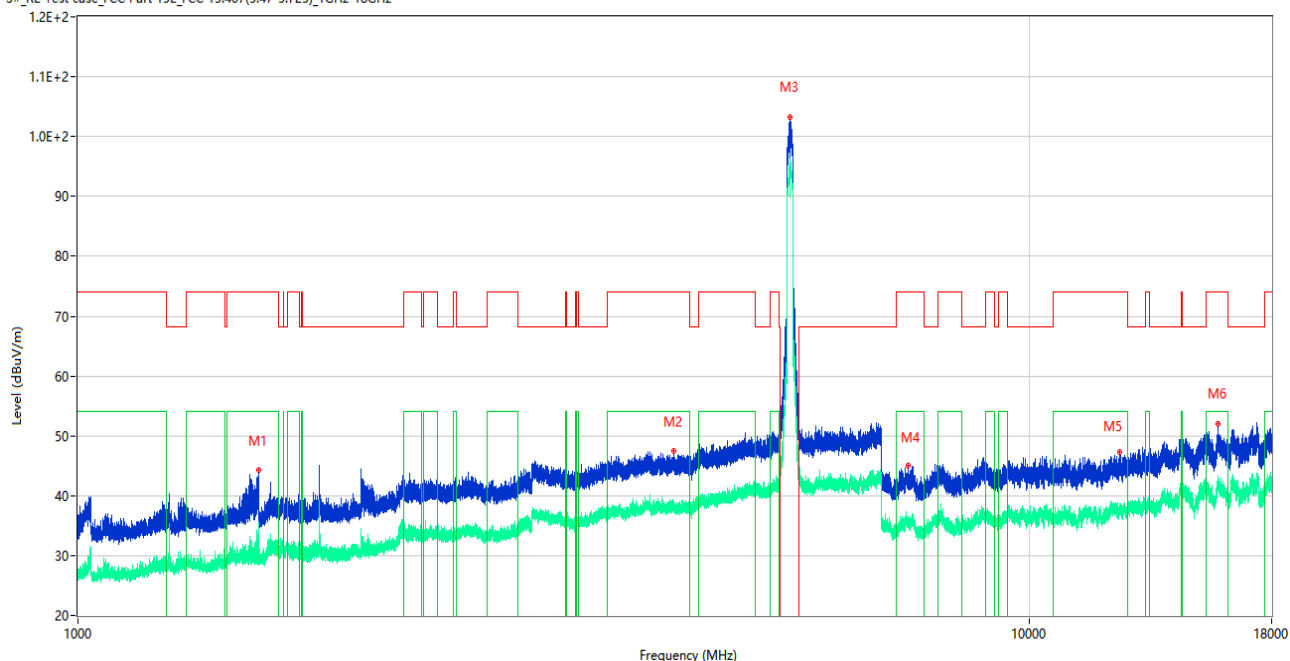
3# RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1547.500	43.23	74.0	30.77	Peak	70.00	200	Vertical	Pass
1**	1547.500	30.96	54.0	23.04	AV	70.00	200	Vertical	Pass
2	4333.600	48.23	74.0	25.77	Peak	284.00	300	Vertical	Pass
2**	4333.600	37.78	54.0	16.22	AV	284.00	300	Vertical	Pass
3	5536.400	103.23	--	--	Peak	205.00	150	Vertical	N/A
3**	5536.400	95.35	--	--	AV	205.00	150	Vertical	N/A
4	7475.812	45.61	74.0	28.39	Peak	193.00	400	Vertical	Pass
4**	7475.812	35.09	54.0	18.91	AV	193.00	400	Vertical	Pass
5	12472.849	47.41	74.0	26.59	Peak	360.00	150	Vertical	Pass
5**	12472.849	37.82	54.0	16.18	AV	360.00	150	Vertical	Pass
6	15798.150	50.90	74.0	23.10	Peak	222.00	200	Vertical	Pass
6**	15798.150	42.29	54.0	11.71	AV	222.00	200	Vertical	Pass

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

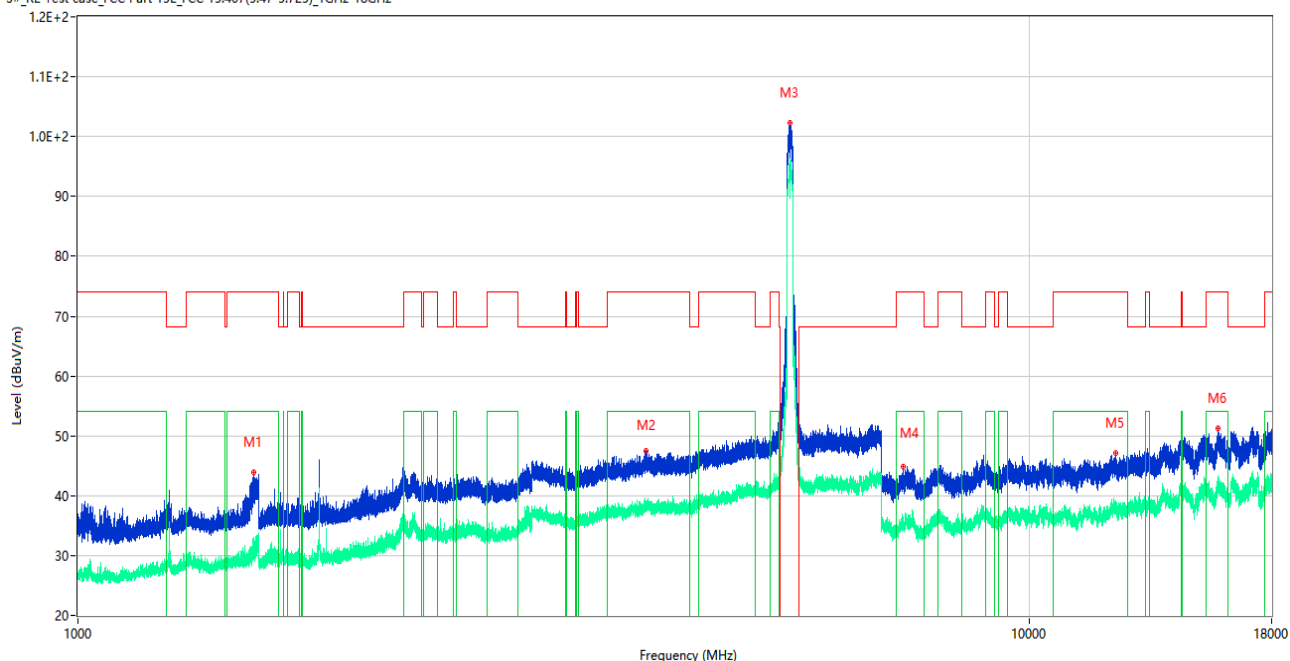
3# RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1547.500	44.22	74.0	29.78	Peak	187.00	200	Horizontal	Pass
1**	1547.500	33.31	54.0	20.69	AV	187.00	200	Horizontal	Pass
2	4228.600	47.46	74.0	26.54	Peak	236.00	300	Horizontal	Pass
2**	4228.600	37.74	54.0	16.26	AV	236.00	300	Horizontal	Pass
3	5603.800	103.29	--	--	Peak	248.00	150	Horizontal	N/A
3**	5603.800	94.74	--	--	AV	248.00	150	Horizontal	N/A
4	7466.900	44.98	74.0	29.02	Peak	72.00	200	Horizontal	Pass
4**	7466.900	35.84	54.0	18.16	AV	72.00	200	Horizontal	Pass
5	12471.412	47.24	74.0	26.76	Peak	175.00	150	Horizontal	Pass
5**	12471.412	37.50	54.0	16.50	AV	175.00	150	Horizontal	Pass
6	15790.537	52.07	74.0	21.93	Peak	11.00	100	Horizontal	Pass
6**	15790.537	42.24	54.0	11.76	AV	11.00	100	Horizontal	Pass

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

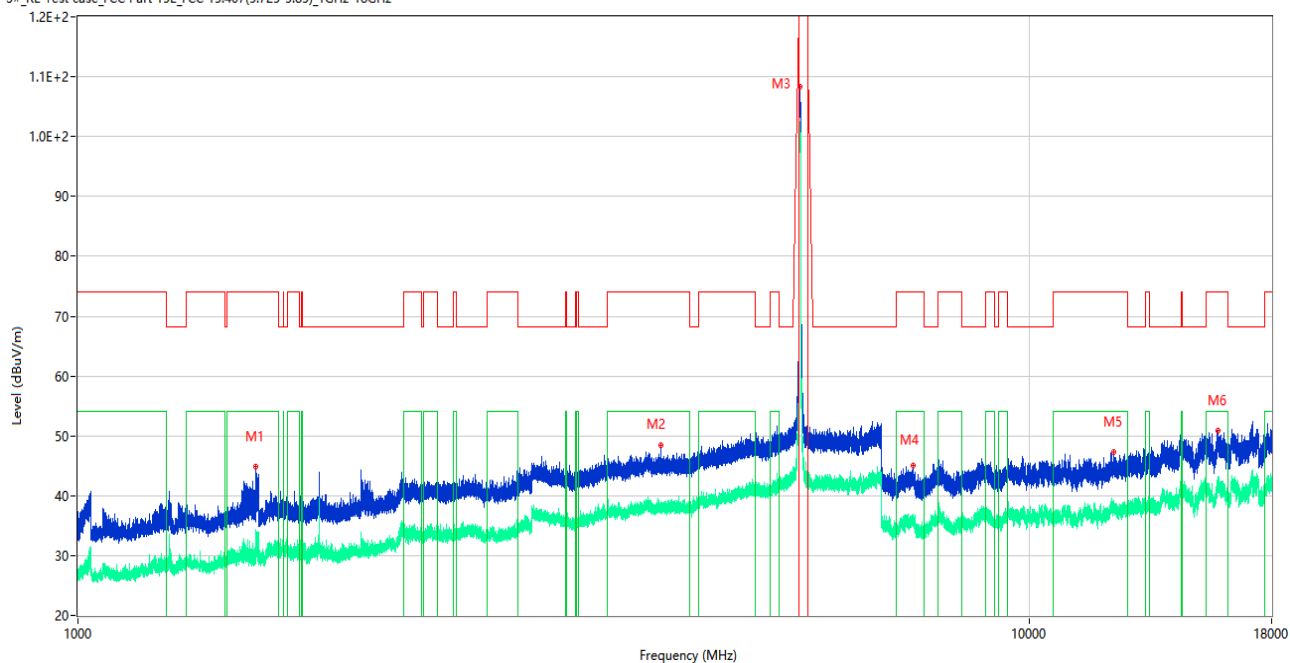
3# RE Test case_FCC Part 15E_FCC 15.407(5.47-5.725)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1529.400	43.99	74.0	30.01	Peak	78.00	100	Vertical	Pass
1**	1529.400	29.87	54.0	24.13	AV	78.00	100	Vertical	Pass
2	3956.000	47.51	74.0	26.49	Peak	99.00	100	Vertical	Pass
2**	3956.000	38.28	54.0	15.72	AV	99.00	100	Vertical	Pass
3	5603.200	102.34	--	--	Peak	316.00	200	Vertical	N/A
3**	5603.200	94.39	--	--	AV	316.00	200	Vertical	N/A
4	7379.500	44.88	74.0	29.12	Peak	213.00	100	Vertical	Pass
4**	7379.500	35.17	54.0	18.83	AV	213.00	100	Vertical	Pass
5	12353.825	47.18	74.0	26.82	Peak	91.00	150	Vertical	Pass
5**	12353.825	38.26	54.0	15.74	AV	91.00	150	Vertical	Pass
6	15799.463	51.31	74.0	22.69	Peak	320.00	100	Vertical	Pass
6**	15799.463	42.83	54.0	11.17	AV	320.00	100	Vertical	Pass

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

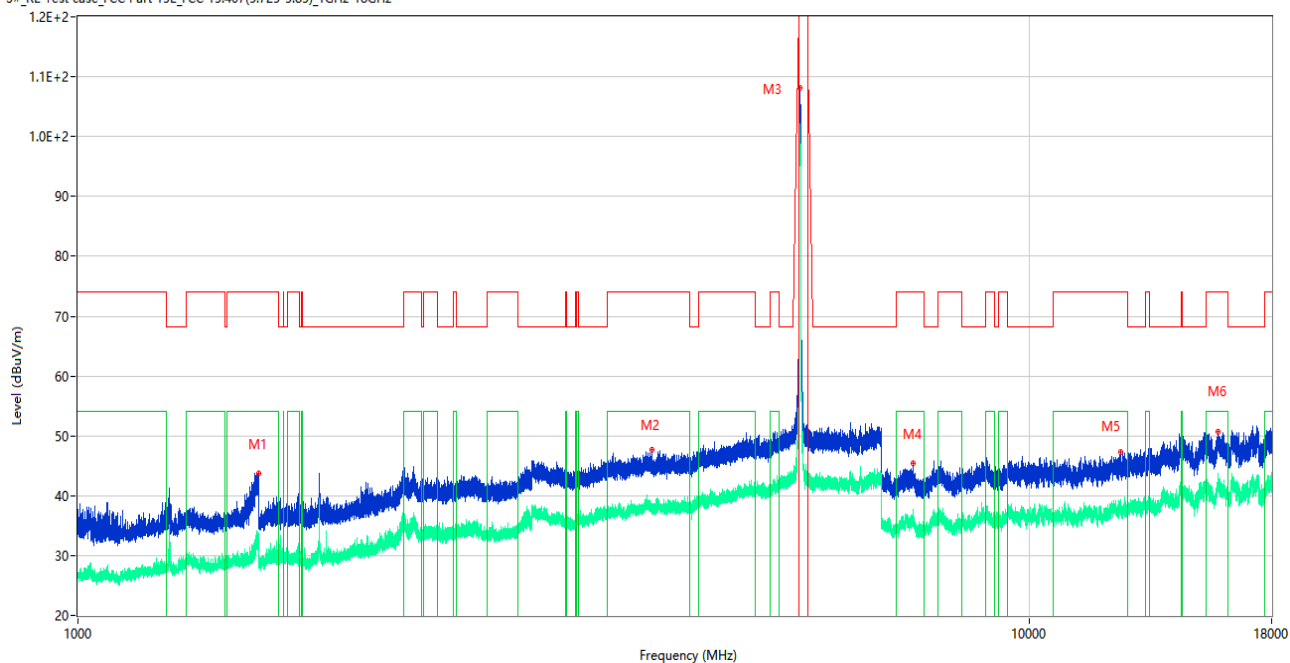
3# RE Test case_FCC Part 15E_FCC 15.407(5.725-5.85)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1539.400	44.88	74.0	29.12	Peak	193.00	400	Horizontal	Pass
1**	1539.400	31.33	54.0	22.67	AV	193.00	400	Horizontal	Pass
2	4099.600	48.46	74.0	25.54	Peak	294.00	300	Horizontal	Pass
2**	4099.600	39.03	54.0	14.97	AV	294.00	300	Horizontal	Pass
3	5743.000	108.36	--	--	Peak	248.00	150	Horizontal	N/A
3**	5743.000	102.32	--	--	AV	248.00	150	Horizontal	N/A
4	7552.862	44.98	74.0	29.02	Peak	141.00	100	Horizontal	Pass
4**	7552.862	36.71	54.0	17.29	AV	141.00	100	Horizontal	Pass
5	12284.250	47.30	74.0	26.70	Peak	262.00	150	Horizontal	Pass
5**	12284.250	37.86	54.0	16.14	AV	262.00	150	Horizontal	Pass
6	15805.237	50.92	74.0	23.08	Peak	359.00	100	Horizontal	Pass
6**	15805.237	42.18	54.0	11.82	AV	359.00	100	Horizontal	Pass

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

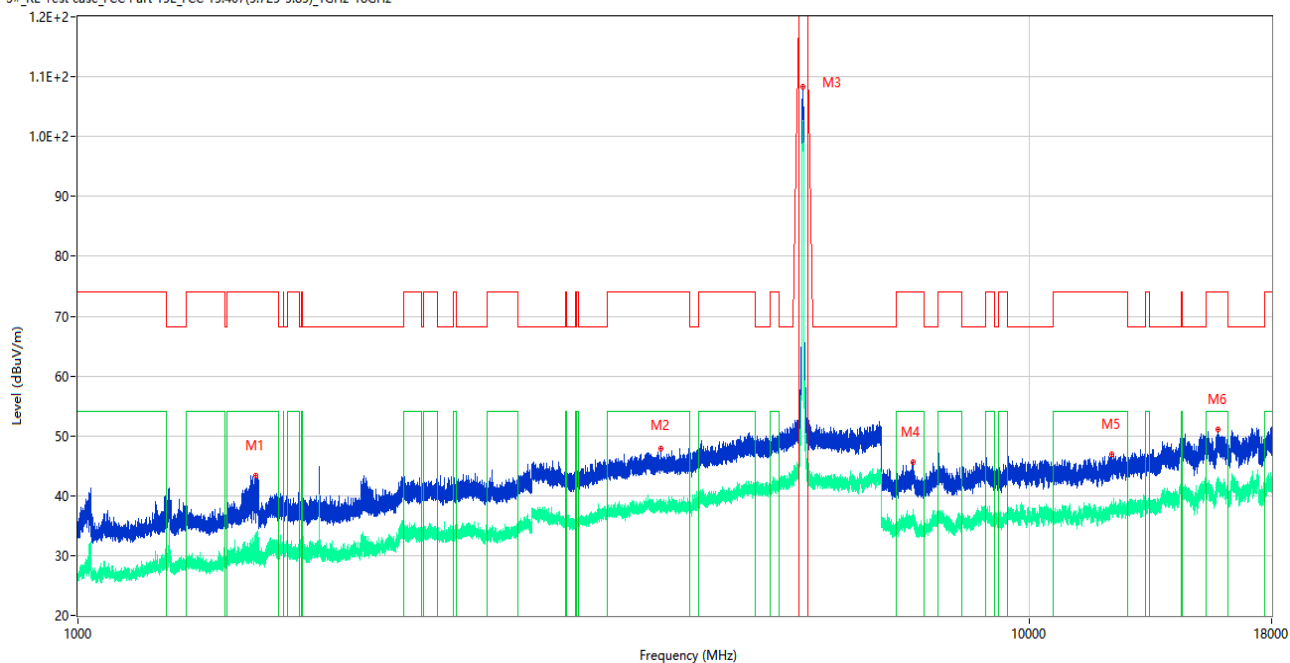
3# RE Test case_FCC Part 15E_FCC 15.407(5.725-5.85)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1547.900	43.69	74.0	30.31	Peak	84.00	300	Vertical	Pass
1**	1547.900	33.00	54.0	21.00	AV	84.00	300	Vertical	Pass
2	4018.000	47.62	74.0	26.38	Peak	225.00	300	Vertical	Pass
2**	4018.000	36.90	54.0	17.10	AV	225.00	300	Vertical	Pass
3	5746.800	108.08	--	--	Peak	181.00	150	Vertical	N/A
3**	5746.800	100.39	--	--	AV	181.00	150	Vertical	N/A
4	7558.612	45.41	74.0	28.59	Peak	360.00	200	Vertical	Pass
4**	7558.612	36.37	54.0	17.63	AV	360.00	200	Vertical	Pass
5	12499.299	47.38	74.0	26.62	Peak	57.00	150	Vertical	Pass
5**	12499.299	37.65	54.0	16.35	AV	57.00	150	Vertical	Pass
6	15811.800	50.70	74.0	23.30	Peak	42.00	100	Vertical	Pass
6**	15811.800	42.46	54.0	11.54	AV	42.00	100	Vertical	Pass

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

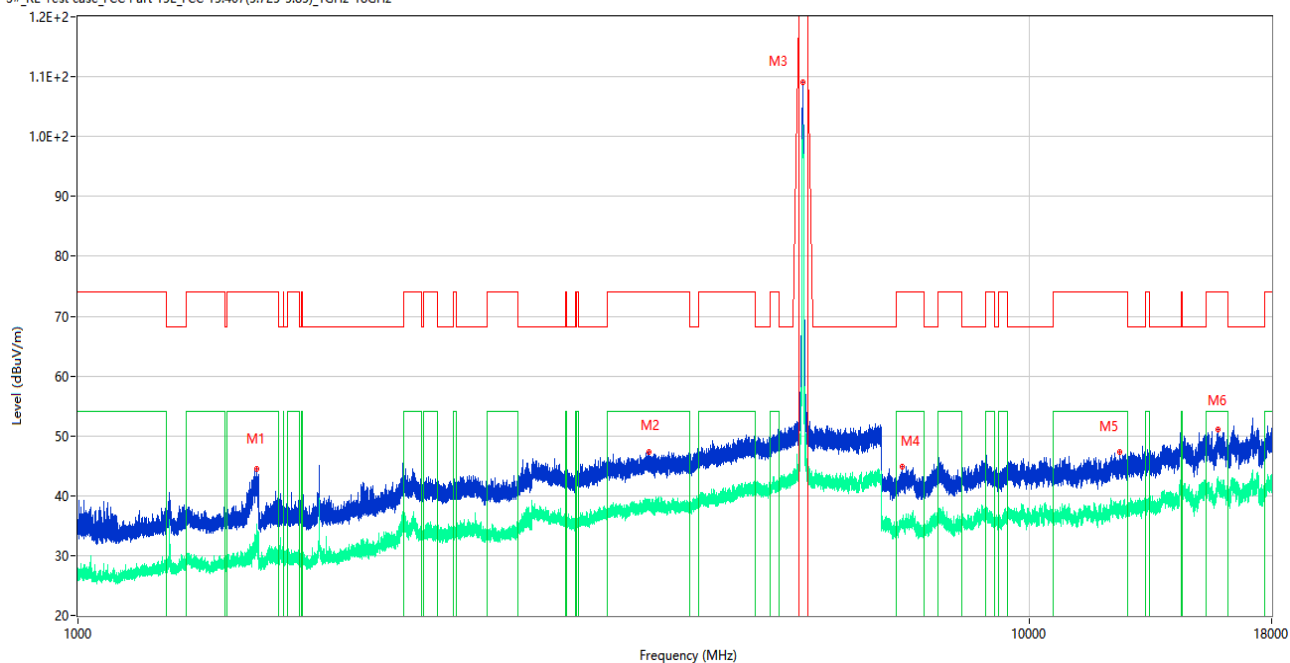
3# RE Test case_FCC Part 15E_FCC 15.407(5.725-5.85)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1538.600	43.40	74.0	30.60	Peak	189.00	100	Horizontal	Pass
1**	1538.600	32.75	54.0	21.25	AV	189.00	100	Horizontal	Pass
2	4101.400	47.95	74.0	26.05	Peak	324.00	100	Horizontal	Pass
2**	4101.400	37.99	54.0	16.01	AV	324.00	100	Horizontal	Pass
3	5785.800	108.30	--	--	Peak	254.00	100	Horizontal	N/A
3**	5785.800	102.37	--	--	AV	254.00	100	Horizontal	N/A
4	7556.025	45.70	74.0	28.30	Peak	324.00	400	Horizontal	Pass
4**	7556.025	36.47	54.0	17.53	AV	324.00	400	Horizontal	Pass
5	12216.112	47.02	74.0	26.98	Peak	148.00	200	Horizontal	Pass
5**	12216.112	37.85	54.0	16.15	AV	148.00	200	Horizontal	Pass
6	15803.662	51.13	74.0	22.87	Peak	336.00	300	Horizontal	Pass
6**	15803.662	42.23	54.0	11.77	AV	336.00	300	Horizontal	Pass

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

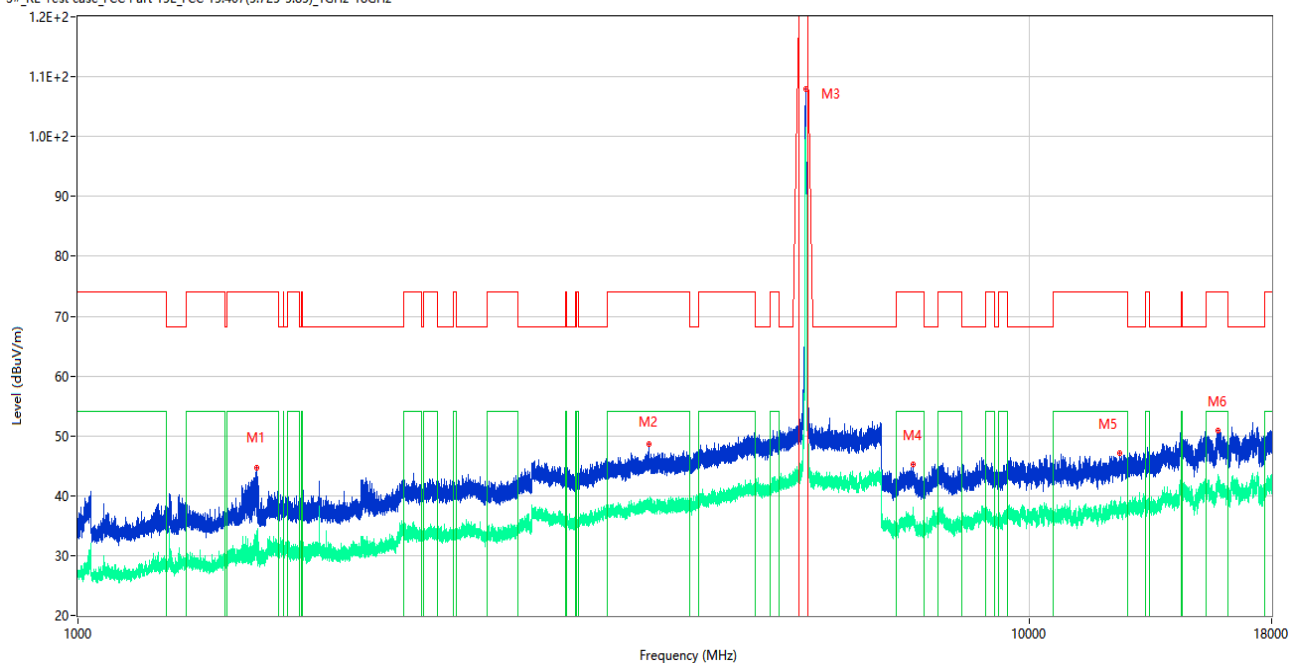
3# RE Test case_FCC Part 15E_FCC 15.407(5.725-5.85)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1541.100	44.55	74.0	29.45	Peak	237.00	400	Vertical	Pass
1**	1541.100	31.05	54.0	22.95	AV	237.00	400	Vertical	Pass
2	3980.800	47.39	74.0	26.61	Peak	0.00	200	Vertical	Pass
2**	3980.800	38.27	54.0	15.73	AV	0.00	200	Vertical	Pass
3	5787.600	109.04	--	--	Peak	167.00	150	Vertical	N/A
3**	5787.600	101.44	--	--	AV	167.00	150	Vertical	N/A
4	7354.200	44.90	74.0	29.10	Peak	262.00	400	Vertical	Pass
4**	7354.200	34.90	54.0	19.10	AV	262.00	400	Vertical	Pass
5	12453.300	47.28	74.0	26.72	Peak	20.00	150	Vertical	Pass
5**	12453.300	37.79	54.0	16.21	AV	20.00	150	Vertical	Pass
6	15798.150	51.01	74.0	22.99	Peak	203.00	100	Vertical	Pass
6**	15798.150	42.50	54.0	11.50	AV	203.00	100	Vertical	Pass

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

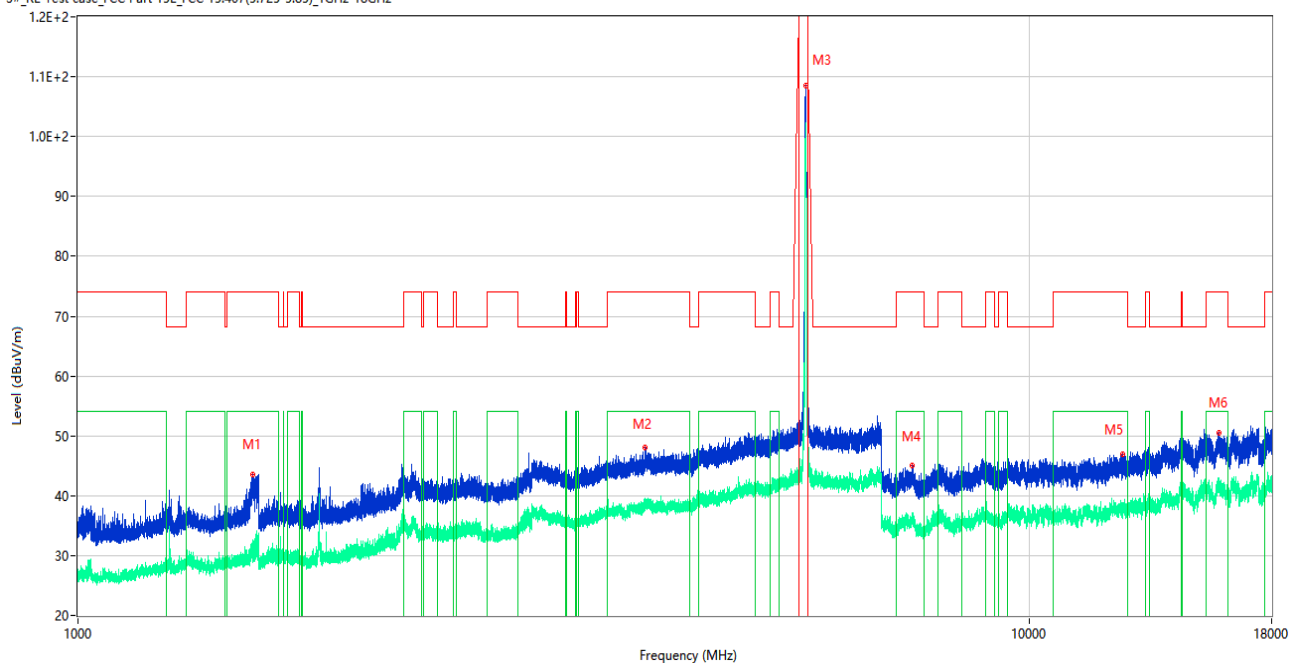
3# RE Test case_FCC Part 15E_FCC 15.407(5.725-5.85)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1540.300	44.69	74.0	29.31	Peak	189.00	100	Horizontal	Pass
1**	1540.300	34.18	54.0	19.82	AV	189.00	100	Horizontal	Pass
2	3984.800	48.70	74.0	25.30	Peak	201.00	300	Horizontal	Pass
2**	3984.800	38.01	54.0	15.99	AV	201.00	300	Horizontal	Pass
3	5823.800	107.86	--	--	Peak	258.00	200	Horizontal	N/A
3**	5823.800	100.66	--	--	AV	258.00	200	Horizontal	N/A
4	7547.687	45.18	74.0	28.82	Peak	145.00	100	Horizontal	Pass
4**	7547.687	36.76	54.0	17.24	AV	145.00	100	Horizontal	Pass
5	12467.387	47.17	74.0	26.83	Peak	318.00	150	Horizontal	Pass
5**	12467.387	37.47	54.0	16.53	AV	318.00	150	Horizontal	Pass
6	15807.600	50.81	74.0	23.19	Peak	65.00	400	Horizontal	Pass
6**	15807.600	41.67	54.0	12.33	AV	65.00	400	Horizontal	Pass

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

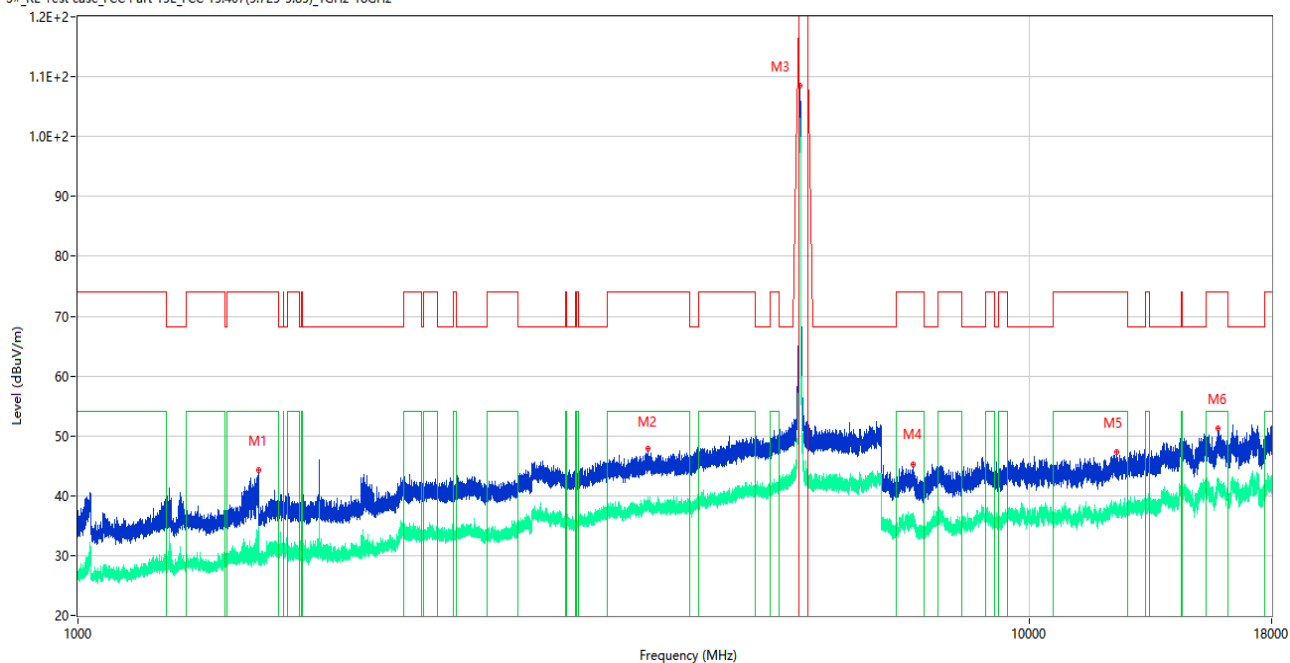
3# RE Test case_FCC Part 15E_FCC 15.407(5.725-5.85)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1527.400	43.54	74.0	30.46	Peak	232.00	100	Vertical	Pass
1**	1527.400	30.18	54.0	23.82	AV	232.00	100	Vertical	Pass
2	3946.200	48.03	74.0	25.97	Peak	357.00	300	Vertical	Pass
2**	3946.200	38.29	54.0	15.71	AV	357.00	300	Vertical	Pass
3	5826.200	108.53	--	--	Peak	179.00	200	Vertical	N/A
3**	5826.200	101.98	--	--	AV	179.00	200	Vertical	N/A
4	7541.362	44.99	74.0	29.01	Peak	265.00	200	Vertical	Pass
4**	7541.362	36.33	54.0	17.67	AV	265.00	200	Vertical	Pass
5	12554.213	46.91	74.0	27.09	Peak	230.00	150	Vertical	Pass
5**	12554.213	37.54	54.0	16.46	AV	230.00	150	Vertical	Pass
6	15842.513	50.58	74.0	23.42	Peak	0.00	100	Vertical	Pass
6**	15842.513	41.23	54.0	12.77	AV	0.00	100	Vertical	Pass

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

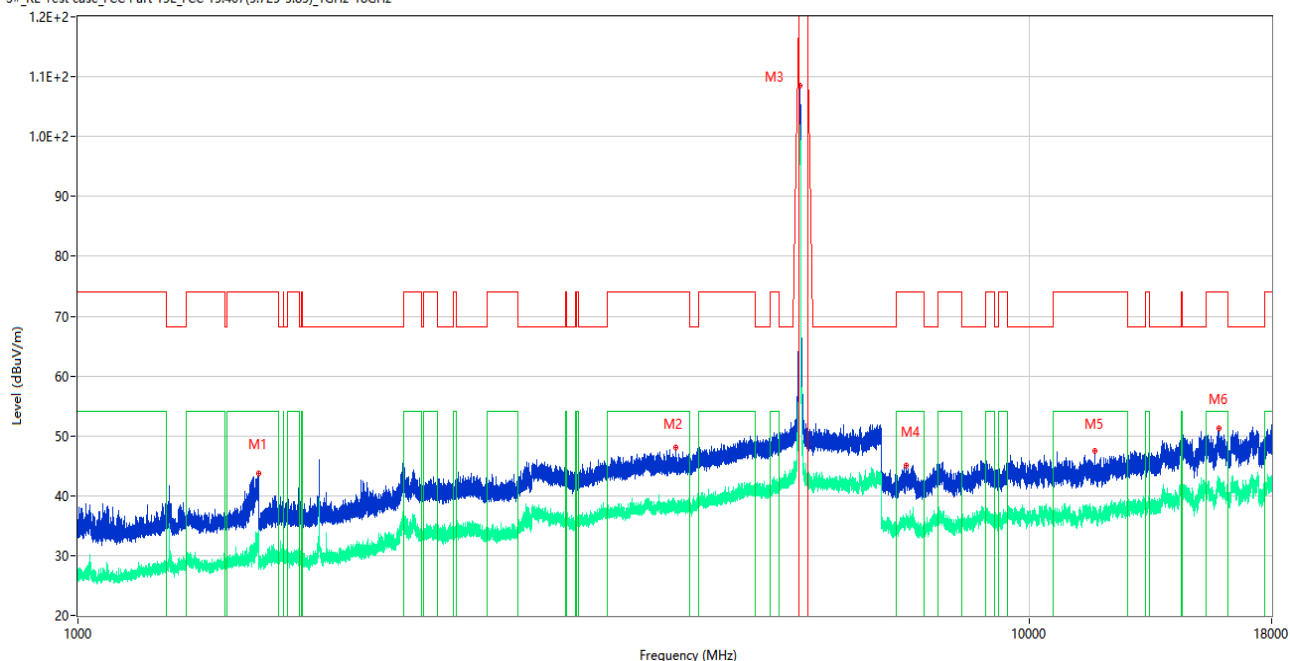
3# RE Test case_FCC Part 15E_FCC 15.407(5.725-5.85)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1547.800	44.24	74.0	29.76	Peak	192.00	400	Horizontal	Pass
1**	1547.800	34.95	54.0	19.05	AV	192.00	400	Horizontal	Pass
2	3971.800	47.85	74.0	26.15	Peak	21.00	300	Horizontal	Pass
2**	3971.800	38.77	54.0	15.23	AV	21.00	300	Horizontal	Pass
3	5746.000	108.51	--	--	Peak	248.00	200	Horizontal	N/A
3**	5746.000	102.28	--	--	AV	248.00	200	Horizontal	N/A
4	7554.588	45.30	74.0	28.70	Peak	125.00	200	Horizontal	Pass
4**	7554.588	35.87	54.0	18.13	AV	125.00	200	Horizontal	Pass
5	12360.438	47.34	74.0	26.66	Peak	247.00	100	Horizontal	Pass
5**	12360.438	38.62	54.0	15.38	AV	247.00	100	Horizontal	Pass
6	15799.200	51.24	74.0	22.76	Peak	127.00	100	Horizontal	Pass
6**	15799.200	41.40	54.0	12.60	AV	127.00	100	Horizontal	Pass

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

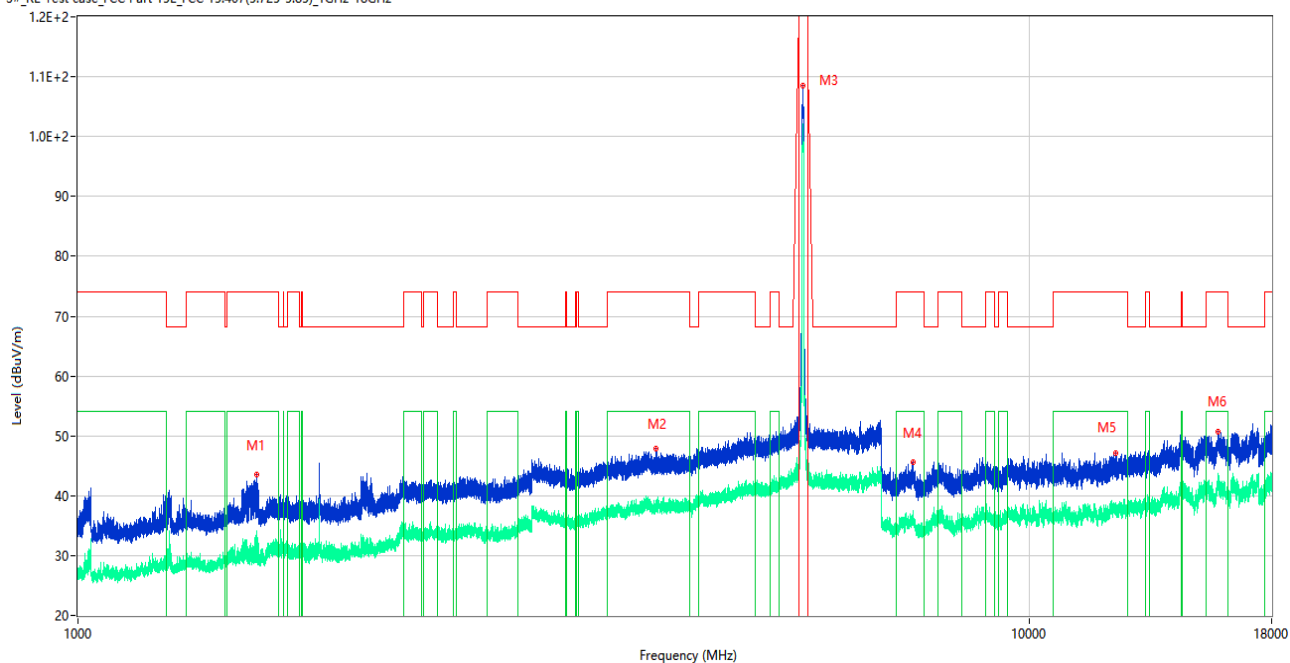
3# RE Test case_FCC Part 15E_FCC 15.407(5.725-5.85)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1547.700	43.66	74.0	30.34	Peak	84.00	400	Vertical	Pass
1**	1547.700	32.53	54.0	21.47	AV	84.00	400	Vertical	Pass
2	4250.800	48.04	74.0	25.96	Peak	357.00	300	Vertical	Pass
2**	4250.800	37.50	54.0	16.50	AV	357.00	300	Vertical	Pass
3	5747.200	108.54	--	--	Peak	179.00	100	Vertical	N/A
3**	5747.200	101.43	--	--	AV	179.00	100	Vertical	N/A
4	7433.263	45.12	74.0	28.88	Peak	318.00	300	Vertical	Pass
4**	7433.263	35.88	54.0	18.12	AV	318.00	300	Vertical	Pass
5	11726.788	47.52	74.0	26.48	Peak	21.00	200	Vertical	Pass
5**	11726.788	36.84	54.0	17.16	AV	21.00	200	Vertical	Pass
6	15852.225	51.21	74.0	22.79	Peak	0.00	200	Vertical	Pass
6**	15852.225	41.70	54.0	12.30	AV	0.00	200	Vertical	Pass

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

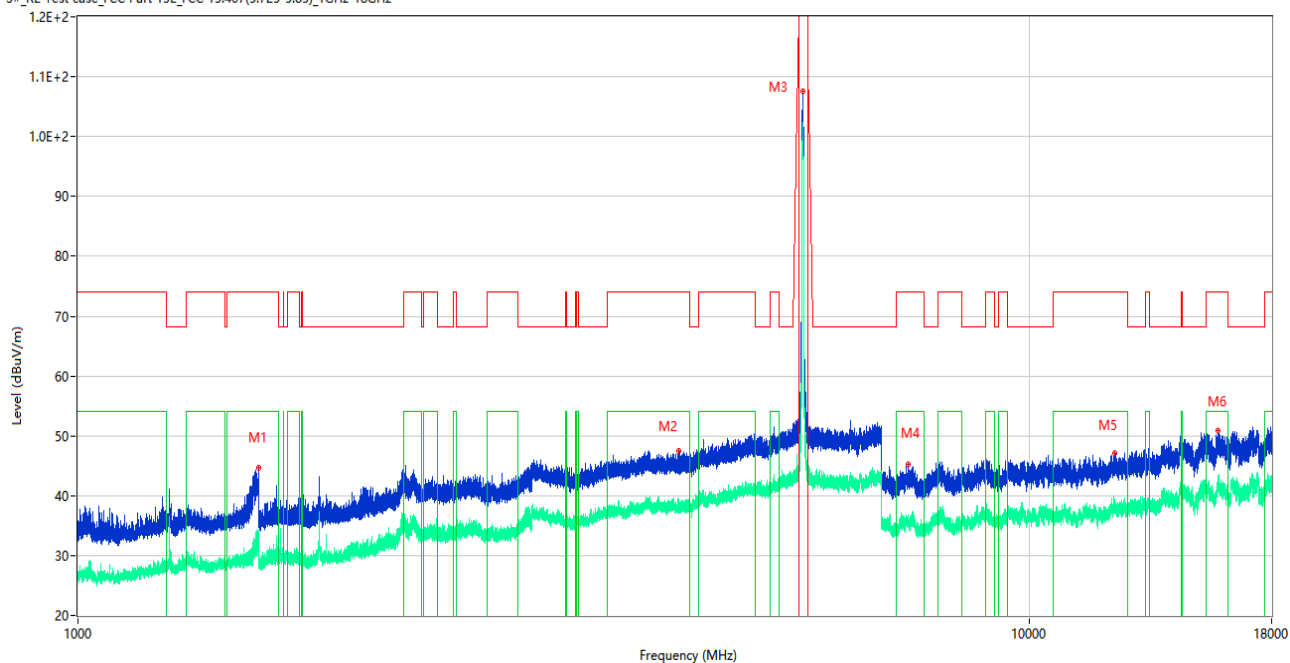
3# RE Test case_FCC Part 15E_FCC 15.407(5.725-5.85)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1540.700	43.45	74.0	30.55	Peak	178.00	100	Horizontal	Pass
1**	1540.700	31.67	54.0	22.33	AV	178.00	100	Horizontal	Pass
2	4056.800	47.82	74.0	26.18	Peak	247.00	300	Horizontal	Pass
2**	4056.800	38.26	54.0	15.74	AV	247.00	300	Horizontal	Pass
3	5786.000	108.57	--	--	Peak	247.00	200	Horizontal	N/A
3**	5786.000	101.94	--	--	AV	247.00	200	Horizontal	N/A
4	7551.712	45.54	74.0	28.46	Peak	356.00	100	Horizontal	Pass
4**	7551.712	37.10	54.0	16.90	AV	356.00	100	Horizontal	Pass
5	12350.088	47.19	74.0	26.81	Peak	269.00	200	Horizontal	Pass
5**	12350.088	37.42	54.0	16.58	AV	269.00	200	Horizontal	Pass
6	15797.363	50.69	74.0	23.31	Peak	163.00	200	Horizontal	Pass
6**	15797.363	41.71	54.0	12.29	AV	163.00	200	Horizontal	Pass

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

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



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1547.800	44.71	74.0	29.29	Peak	72.00	300	Vertical	Pass
1**	1547.800	33.33	54.0	20.67	AV	72.00	300	Vertical	Pass
2	4281.000	47.59	74.0	26.41	Peak	53.00	200	Vertical	Pass
2**	4281.000	38.84	54.0	15.16	AV	53.00	200	Vertical	Pass
3	5787.800	107.63	--	--	Peak	178.00	100	Vertical	N/A
3**	5787.800	100.92	--	--	AV	178.00	100	Vertical	N/A
4	7467.763	45.23	74.0	28.77	Peak	179.00	300	Vertical	Pass
4**	7467.763	36.40	54.0	17.60	AV	179.00	300	Vertical	Pass
5	12297.763	47.17	74.0	26.83	Peak	213.00	100	Vertical	Pass
5**	12297.763	37.70	54.0	16.30	AV	213.00	100	Vertical	Pass
6	15813.900	50.81	74.0	23.19	Peak	260.00	400	Vertical	Pass
6**	15813.900	41.70	54.0	12.30	AV	260.00	400	Vertical	Pass