

FCC/ISED

RF

TEST REPORT

ISSUED BY  
Shenzhen BALUN Technology Co., Ltd.



FOR  
**Computer**

ISSUED TO  
Hexagon Metrology, Inc.

250 Circuit Drive North Kingstown RI US 02852

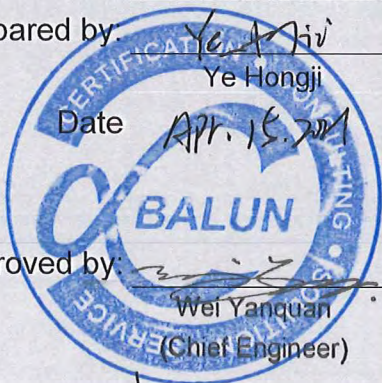


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Date: Apr. 15, 2021

Approved by: Wei Yanquan  
Wei Yanquan  
(Chief Engineer)

Date: Apr. 15, 2021



Report No.:	BL-EC2030004-602
EUT Name:	Computer
Model Name:	dCC (Digital Control Center) Wired Jogbox
Brand Name:	HEXAGON
Test Standard:	47 CFR Part 15 Subpart E RSS-Gen (Issue 5, March 2019) RSS-247 (Issue 2, February 2017)
FCC ID:	2AXRK-HEX01DCC
ISED Number:	26848-HEX01DCC
Test Conclusion:	Pass
Test Date:	Feb. 10, 2021 ~ Apr. 13, 2021
Date of Issue:	Apr. 15, 2021

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### Revision History

<u>Version</u>	<u>Issue Date</u>	<u>Revisions Content</u>
<u>Rev. 01</u>	<u>Mar. 16, 2021</u>	<u>Initial Issue</u>
<u>Rev. 02</u>	<u>Apr. 15, 2021</u>	<u>Update test data</u>

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# 1 ADMINISTRATIVE DATA (GENERAL INFORMATION)

## 1.1 Identification of the Testing Laboratory

Company Name	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1st FL, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Phone Number	+86 755 6685 0100

## 1.2 Identification of the Responsible Testing Location

Test Location	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1st FL, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Description	All measurement facilities used to collect the measurement data are located at Block B, FL 1, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China 518055

## 1.3 Laboratory Condition

Ambient Temperature	20°C to 25°C
Ambient Relative Humidity	45% to 55%
Ambient Pressure	100 kPa to 102 kPa

## 1.4 Announce

- (1) The test report reference to the report template version v4.4.
- (2) The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.
- (3) The test report is invalid if there is any evidence and/or falsification.
- (4) The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.
- (5) This document may not be altered or revised in any way unless done so by BALUN and all revisions are duly noted in the revisions section.
- (6) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
- (7) The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.

## 2 PRODUCT INFORMATION

### 2.1 Applicant

Applicant	Hexagon Metrology, Inc.
Address	250 Circuit Drive North Kingstown RI US 02852

### 2.2 Manufacturer

Manufacturer	Advantech Technology(CHINA) Co., LTD.
Address	NO.600, Hanpu-Road, Kunshan, Jiangsu. China

### 2.3 Factory

Factory	Advantech Technology(CHINA) Co., LTD.
Address	NO.600, Hanpu-Road, Kunshan, Jiangsu. China

### 2.4 General Description for Equipment under Test (EUT)

EUT Name	Computer
Model Name Under Test	dCC (Digital Control Center) Wired Jogbox
Series Model Name	N/A
Description of Model name differentiation	N/A
Serial Number	KSE0335487
Hardware Version	N/A
Software Version	N/A
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

## 2.5 Technical Information

Network and Wireless connectivity	WIFI 802.11a, 802.11b, 802.11g, 802.11n and 802.11ac U-NII-1/2A/2C/3
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The requirement for the following technical information of the EUT was tested in this report:

Frequency Range	Band I: 5150 MHz to 5250 MHz, Band II: 5250 MHz to 5350 MHz, Band III: 5470 MHz to 5725 MHz Band IV: 5725 MHz to 5850 MHz
Product Type	<input type="checkbox"/> Mobile <input checked="" type="checkbox"/> Portable <input type="checkbox"/> Fix Location
Modulation technology	OFDM
Modulation Type	256QAM, 64QAM, 16QAM, BPSK, QPSK
Product Type	Indoor for IC standard Mobile and portable for FCC standard
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: 18.92 dBm U-NII-2A: 18.88 dBm U-NII-2C: 18.98 dBm U-NII-3: 18.07 dBm
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	PIFA Antenna
Antenna Gain	5 dBi
About the Product	The equipment is Computer, intended for used with information technology equipment.

## 2.6 Channel List

20 MHz		40 MHz		80 MHz	
Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)
<b>36</b>	<b>5180</b>	<b>38</b>	<b>5190</b>	<b>42</b>	<b>5210</b>
40	5200	<b>46</b>	<b>5230</b>	<b>58</b>	<b>5290</b>
<b>44</b>	<b>5220</b>	<b>54</b>	<b>5270</b>	<b>106</b>	<b>5530</b>
<b>48</b>	<b>5240</b>	<b>62</b>	<b>5310</b>	<b>138</b>	<b>5690</b>
<b>52</b>	<b>5260</b>	<b>102</b>	<b>5510</b>	<b>155</b>	<b>5775</b>
56	5280	110	5550		
<b>60</b>	<b>5300</b>	<b>134</b>	<b>5670</b>		
<b>64</b>	<b>5320</b>	<b>142</b>	<b>5710</b>		
<b>100</b>	<b>5500</b>	<b>151</b>	<b>5755</b>		
104	5520	<b>159</b>	<b>5795</b>		
108	5540				
112	5560				
<b>116</b>	<b>5580</b>				
132	5660				
136	5680				
<b>140</b>	<b>5700</b>				
<b>144</b>	<b>5720</b>				
<b>149</b>	<b>5745</b>				
153	5765				
<b>157</b>	<b>5785</b>				
161	5805				
<b>165</b>	<b>5825</b>				

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 (10-1-16 Edition)	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	RSS-Gen (Issue 5, Mar. 2019)	General Requirements for Compliance of Radio Apparatus
4	RSS-247 (Issue 2, February 2017)	Digital Transmission Systems (DTSs), Frequency Hopping Systems(FHSs) and Licence-Exemp Local Area Network (LE-LAN) Devices
5	ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices

#### 3.2 Verdict

No.	Description	FCC Part No.	RSS Part No.	Test Result	Verdict
1	Antenna Requirement	15.203	RSS-247, 6.2	--	Pass <sup>Note1</sup>
2	RF Output Power	15.407(a)	RSS-247, 6.2	ANNEX A.1	Pass
3	Emission Bandwidth & 99% Occupied Bandwidth	15.407(a)	RSS-247, 6.2	ANNEX A.2	Pass
4	6 dB bandwidth	15.407(e)	RSS-247, 6.2	ANNEX A.3	Pass
5	Power Spectral Density	15.407(a)	RSS-247, 6.2	ANNEX A.4	Pass
6	Conducted Emission	15.207	RSS-GEN, 8.8	ANNEX A.5	Pass
7	Radiated Spurious Emissions and Band Edge (Restricted-band)	15.407(b)	RSS-247, 6.2	ANNEX A.6	Pass
8	Receiver Spurious Emissions	--	RSS-Gen, 7.1.2	--	N/A <sup>Note2</sup>

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

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

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

## 4 GENERAL TEST CONFIGURATIONS

### 4.1 Test Environments

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

Relative Humidity	45% to 55%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+22°C to +25°C
Working Voltage of the EUT	NV (Normal Voltage)	10.8 V

### 4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-30	103118	2020.06.08	2021.06.07
Switch Unit with OSP-B157	ROHDE&SCHWARZ	OSP120	101270	2020.06.08	2021.06.07
EMI Receiver	KEYSIGHT	N9038A	MY53220118	2020.06.09	2021.06.08
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2020.06.09	2021.06.08
LISN	SCHWARZBECK	NSLK 8127	8127-687	2020.06.09	2021.06.08
Bluetooth Tester	ROHDE&SCHWARZ	CBT	101005	2020.06.08	2021.06.07
DC Power Supply	ROHDE&SCHWARZ	HMP2020	018141664	2020.06.08	2021.06.07
Power Splitter	KMW	DCPD-LDC	1305003215	--	--
Power Sensor	ROHDE&SCHWARZ	NRP-Z21	103971	2020.06.08	2021.06.07
Attenuator (20 dB)	KMW	ZA-S1-201	110617091	--	--
Attenuator (6 dB)	KMW	ZA-S1-61	1305003189	--	--
Temperature Chamber	AHK	SP20	1412	2020.06.10	2021.06.09
Test Antenna-Loop(9 kHz-30 MHz)	SCHWARZBECK	FMZB 1519	1519-037	2019.10.29	2021.10.28
Test Antenna-Bi-Log(30 MHz-3 GHz)	SCHWARZBECK	VULB 9163	9163-624	2019.07.02	2021.07.01
Test Antenna-Horn(1-18 GHz)	SCHWARZBECK	BBHA 9120D	9120D-1917	2019.07.02	2021.07.01
Test Antenna-Horn (18-40 GHz)	A-INFO	LB-180400KF	J211060273	2021.01.05	2023.01.04
Anechoic Chamber	RAINFORD	9m*6m*6m	N/A	2017.02.21	2022.02.20
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60*7.35m	N/A	2018.08.08	2021.08.07
Shielded Enclosure	ChangNing	CN-130701	130703	--	--
Signal Generator	ROHDE&SCHWARZ	SMB100A	177746	2020.06.08	2021.06.07
Power Amplifier	OPHIR RF	5225F	1037	2021.02.18	2022.02.17
Power Amplifier	OPHIR RF	5273F	1016	2021.02.18	2022.12.17
Directional Coupler	Werlantone	C5982-10	109275	N/A	N/A
Directional Coupler	Werlantone	CHP-273E	S00801z-01	N/A	N/A
Sound Level Meter	B&K	NL-20	00844023	2020.10.23	2021.10.22
Ear Simulator	B&K	4192-L-001	3038758	2021.01.15	2022.01.14
Audio analyzer	B&K	UPL 16	100129	2021.02.26	2022.02.25

### 4.3 Measurement Uncertainty

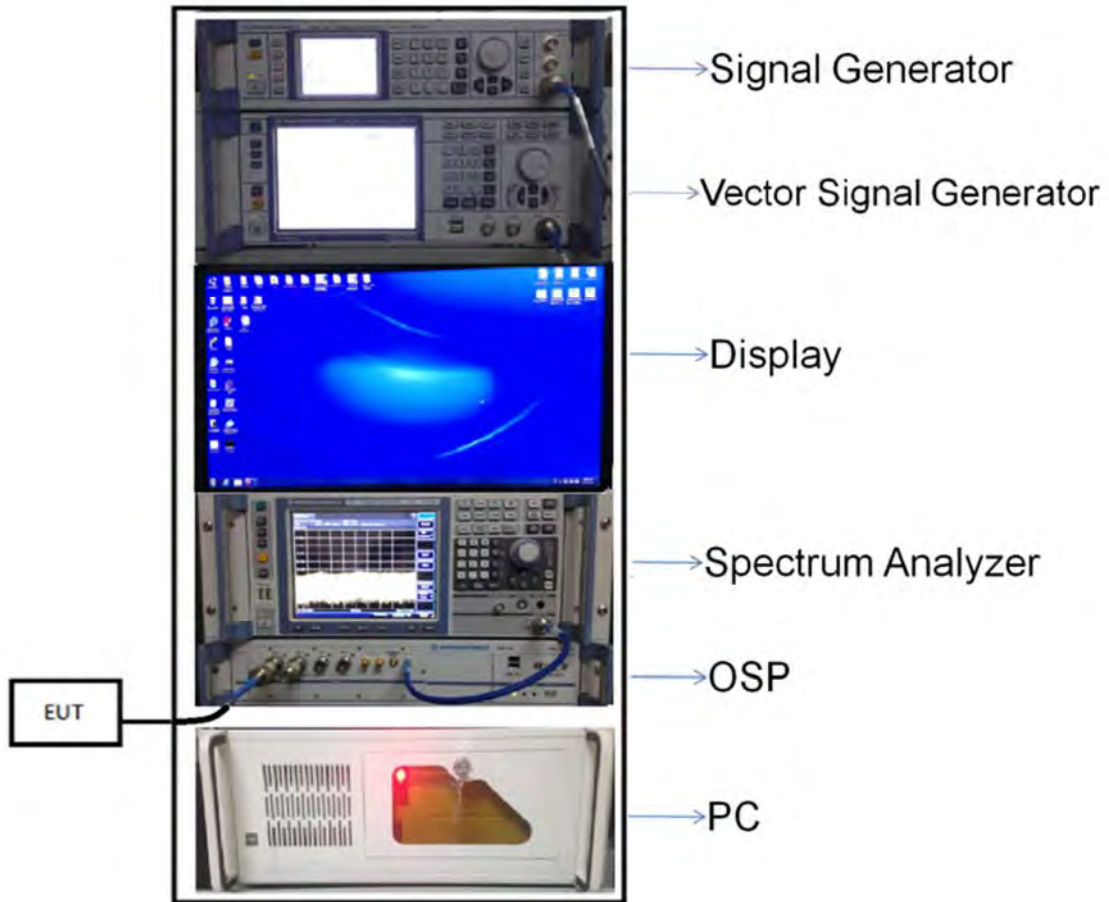
The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2.

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

Measurement	Value
Occupied Channel Bandwidth	$\pm 4\%$
RF output power, conducted	$\pm 1.4$ dB
Power Spectral Density, conducted	$\pm 2.5$ dB
Unwanted Emissions, conducted	$\pm 2.8$ dB
All emissions, radiated	$\pm 5.4$ dB
Temperature	$\pm 1^\circ\text{C}$
Humidity	$\pm 4\%$

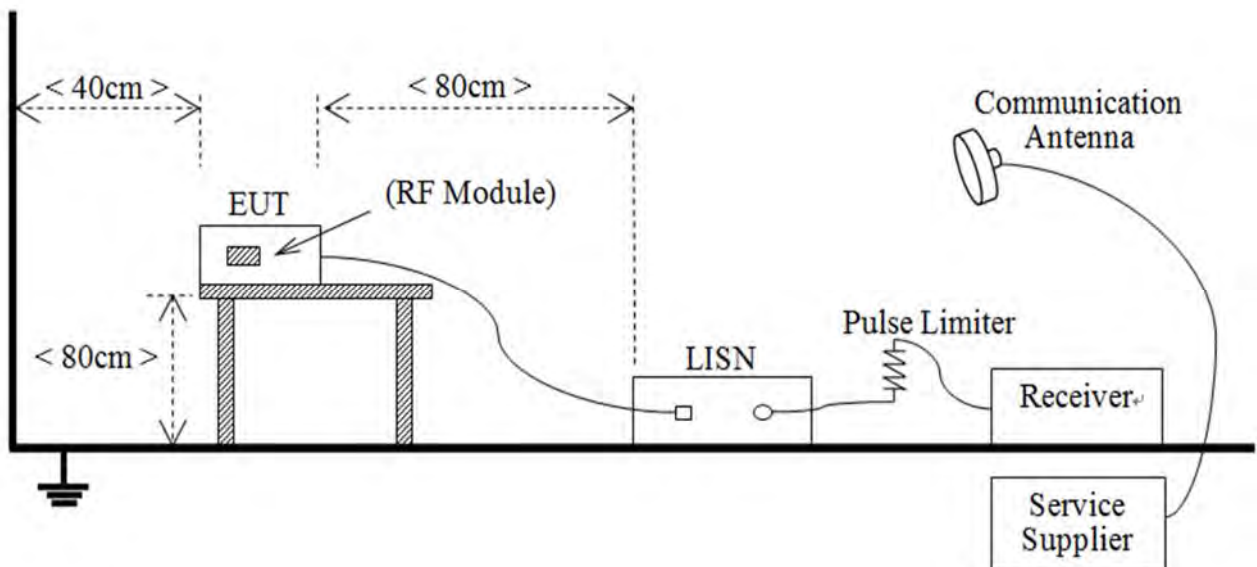
### 4.4 Description of Test Setup

#### 4.4.1 For Antenna Port Test



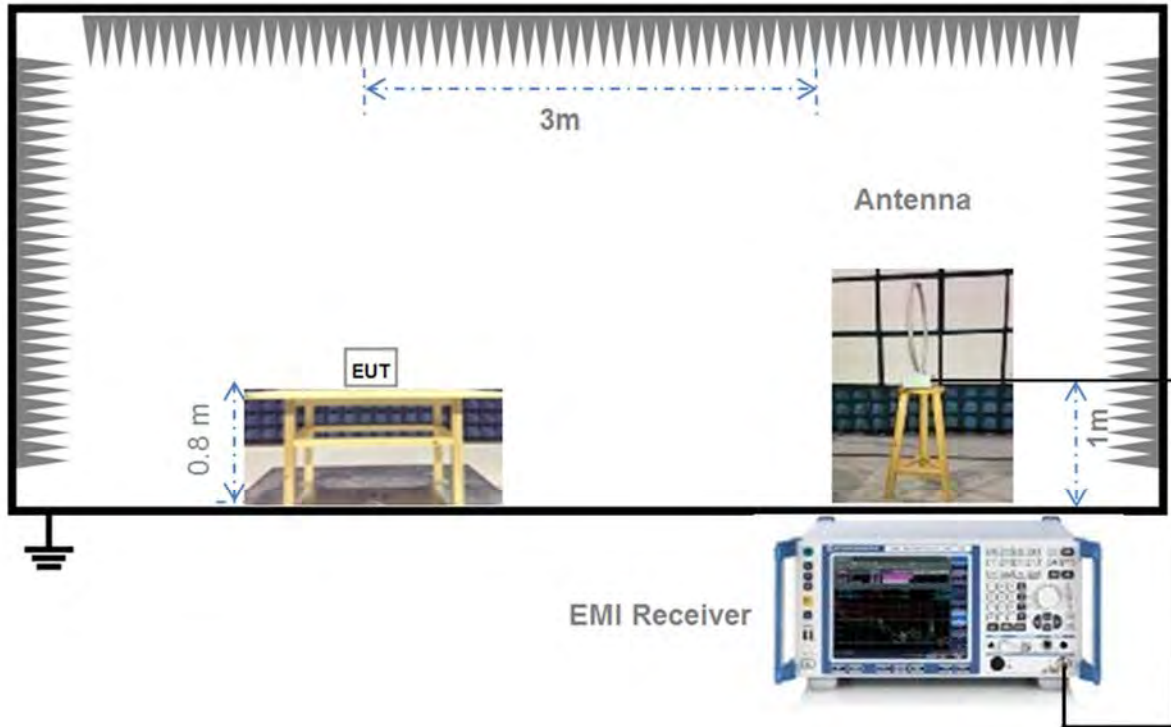
(Diagram 1)

#### 4.4.2 For AC Power Supply Port Test



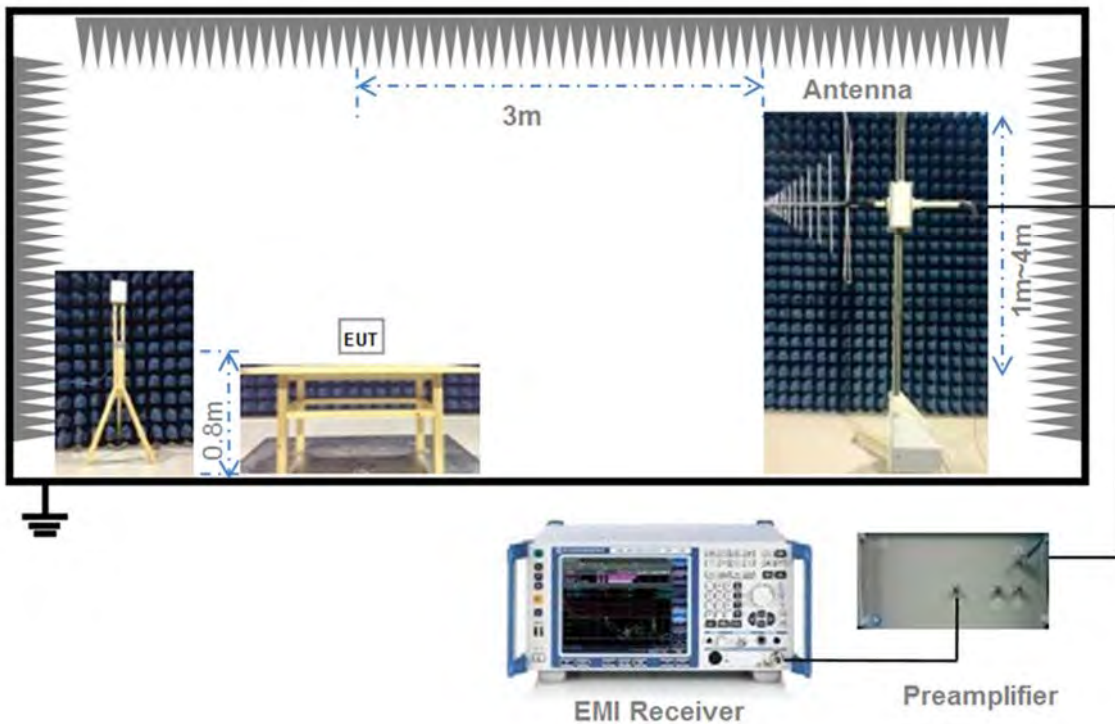
(Diagram 2)

### 4.4.3 For Radiated Test (Below 30 MHz)



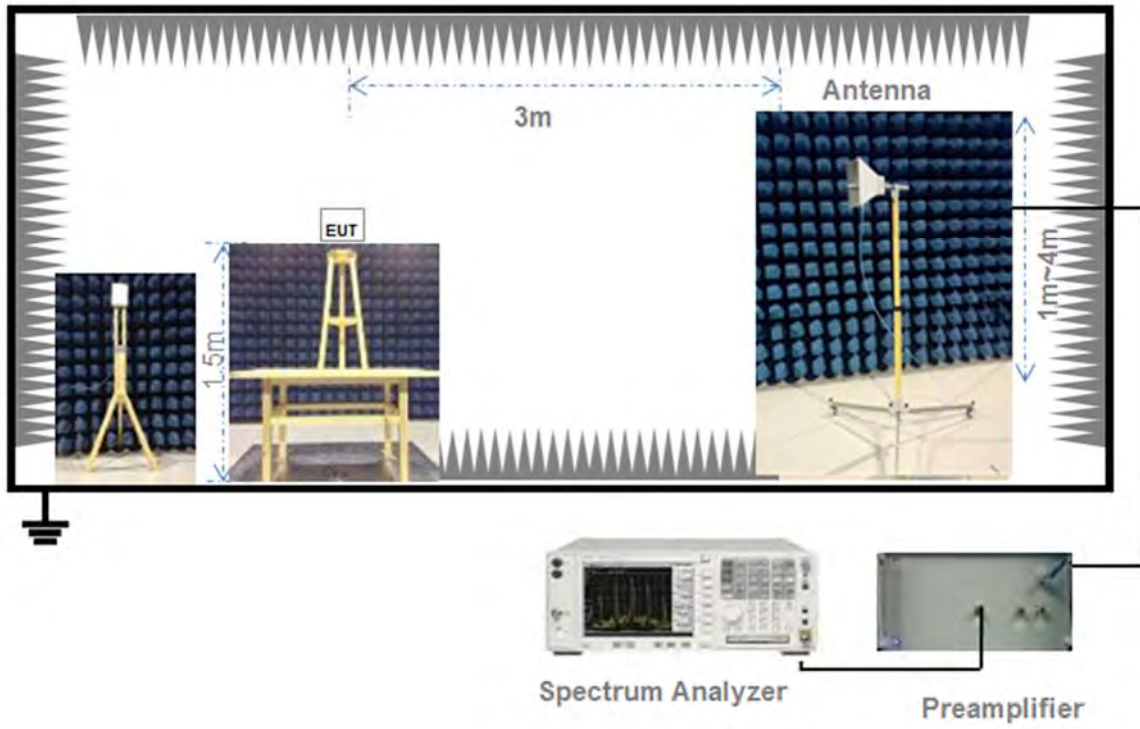
(Diagram 3)

### 4.4.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.4.5 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.	

RSS-247, 6.2

The maximum conducted output power shall not exceed:

Frequency Band (MHz)	Limit
5150-5250	N/A
5250-5350	250 mW or 11 dBm + 10log B, whichever is less.
5470-5725	250 mW or 11 dBm + 10log B, whichever is less.
5725-5850	1 W
Note: Where "B" is the 99% emissions bandwidth in MHz.	

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

Frequency Band (MHz)	Limit
5150-5250	200 mW or 10 dBm + 10log B, whichever is less.
5250-5350	1W or 17 dBm + 10log B, whichever is less.
5470-5725	1W or 17 dBm + 10log B, whichever is less.
5725-5850	N/A
Note: Where "B" is the 99% emissions bandwidth in MHz.	

#### 5.1.2 Test Setup

The section 4.4.1 (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

The maximum peak conducted output power may be measured using a broadband Average RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the emission bandwidth and utilize a fast-responding diode detector.

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

#### 5.1.4 Test Result

Please refer to ANNEX A.1.



## 5.2 Emission Bandwidth and 6 dB Bandwidth

### 5.2.1 Limit

FCC §15.407(a), RSS-247, 6.2

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

### 5.2.3 Test Procedure

#### Emission bandwidth

1. Set RBW = approximately 1% of the emission bandwidth.
2. Set VBW  $\geq 3 \times$  RBW,
3. Detector = Peak.
4. Trace mode = Max hold.
5. Measure the maximum width of the emission that is 26 dB down from the peak of the emission.

#### Occupied Bandwidth

1. Set Span = 1.5 times to 5.0 times the OBW
2. Set RBW = 1% to 5% of the OBW.
3. Set VBW  $\geq 3 \times$  RBW, Detector = Peak.
4. Trace mode = Max hold.
5. Use the 99% power bandwidth function of the instrument.

#### 6 dB bandwidth

1. Set RBW = 100 kHz, VBW = 300 kHz.
2. Detector = Peak. Trace mode = Max hold.
3. Allow the trace to stabilize.
4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

### 5.2.4 Test Result

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

### 5.3 Power Spectral density (PSD)

#### 5.3.1 Limit

FCC §15.407(a)

The maximum power spectral density should not exceed:

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

RSS-247, 6.2

The maximum power spectral density should not exceed:

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

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

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

#### 5.3.2 Test Setup

The section 4.4.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

#### 5.3.3 Test Procedure

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

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

#### 5.3.4 Test Result

Please refer to ANNEX A.4.

## 5.4 Conducted Emission

### 5.4.1 Limit

FCC §15.207, RSS-GEN, 8.8

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

Frequency range (MHz)	Conducted Limit (dB $\mu$ 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 4.4.2 (Diagram 2) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

### 5.4.3 Test Procedure

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

### 5.4.4 Test Result

Please refer to ANNEX A.5.

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

### 5.5.1 Limit

FCC §15.209 & 15.407(b), RSS-247, 6.2

Frequency (MHz)	Field Strength ( $\mu\text{V}/\text{m}$ )	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<sup>1</sup>: The Limit for radiated test was performed according to FCC Part 15C

Note<sup>2</sup>: The tighter limit applies at the band edge.

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

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

### 5.5.2 Test Setup

The section 4.4.3-4.4.5 (Diagram 3 - Diagram 5) test setup description was used for this test. The photo of test

setup please refer to ANNEX B.

### 5.5.3 Test Procedure

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

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

#### General Procedure for conducted measurements in restricted bands

- a) Measure the conducted output power (in dBm) using the detector specified (see guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).
- b) Add the maximum transmit antenna gain (in dBi) to the measured output power level to determine the EIRP level (see guidance on determining the applicable antenna gain)
- c) Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies  $\leq 30$  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 $\mu$ 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  $\geq 98$  percent) cannot be achieved and the duty cycle is constant (i.e., duty cycle variations are less than  $\pm 2$  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 span/(# of points in sweep)  $\leq$  (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 ( $\geq 98$  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  $0^\circ$  to  $360^\circ$ , and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

The power of the EUT transmitting frequency should be ignored.

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

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

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

VBW  $\geq$  RBW

Sweep = auto



Detector function = peak

Trace = max hold

#### 5.5.4 Test Result

Please refer to ANNEX A.6.



## ANNEX A TEST RESULT

### A.1 RF Output Power

Note<sup>1</sup>: 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<sup>2</sup>: For IC standard, the U-NII-3 (5725 - 5850 MHz) maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

#### Test Data

##### Conducted Power

U-NII-1 (5150 - 5250 MHz)					
Note <sup>3</sup> : Transmitting antennas of directional gain in U-NII-1( 5150 MHz to 5250 MHz) is 5 dBi					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	15.85	38.46	250	Pass
11a	CH44	17.12	77.98	250	Pass
11a	CH48	16.77	47.53	250	Pass
11n (HT20)	CH36	16.24	42.07	250	Pass
11n (HT20)	CH44	17.32	75.16	250	Pass
11n (HT20)	CH48	16.67	59.29	250	Pass
11n (HT40)	CH38	12.37	17.26	250	Pass
11n (HT40)	CH46	17.19	52.36	250	Pass
11ac (VHT20)	CH36	16.06	40.36	250	Pass
11ac (VHT20)	CH44	18.89	77.45	250	Pass
11ac (VHT20)	CH48	17.75	59.57	250	Pass
11ac (VHT40)	CH38	12.30	16.98	250	Pass
11ac (VHT40)	CH46	16.65	46.24	250	Pass
11ac (VHT80)	CH42	12.39	17.34	250	Pass

U-NII-2A (5250 - 5350 MHz)					
Note <sup>5</sup> : Transmitting antennas of directional gain in U-NII-2A( 5250 MHz to 5350 MHz) is 5 dBi					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH52	18.20	66.07	250	Pass
11a	CH60	18.09	64.42	250	Pass
11a	CH64	18.26	66.99	250	Pass
11n (HT20)	CH52	18.19	65.92	250	Pass
11n (HT20)	CH60	18.05	63.83	250	Pass
11n (HT20)	CH64	17.22	52.72	250	Pass
11n (HT40)	CH54	18.41	69.34	250	Pass
11n (HT40)	CH62	12.81	19.10	250	Pass
11ac (VHT20)	CH52	18.88	77.27	250	Pass
11ac (VHT20)	CH60	17.70	58.88	250	Pass
11ac (HVT20)	CH64	17.19	52.36	250	Pass
11ac (VHT40)	CH54	18.35	68.39	250	Pass

11ac (VHT40)	CH62	12.42	17.46	250	Pass
11ac (VHT80)	CH58	11.33	13.58	250	Pass

**U-NII-2C (5470 - 5725 MHz)**

 Note <sup>8</sup>: Transmitting antennas of directional gain in U-NII-2C (5470 MHz to 5725 MHz) is 5 dBi

Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH100	16.89	48.87	250	Pass
11a	CH116	18.98	79.07	250	Pass
11a	CH140	16.97	49.77	250	Pass
11n (HT20)	CH100	18.14	65.16	250	Pass
11n (HT20)	CH116	18.58	72.11	250	Pass
11n (HT20)	CH140	14.62	28.97	250	Pass
11n (HT40)	CH102	13.65	23.17	250	Pass
11n (HT40)	CH118	15.87	38.64	250	Pass
11n (HT40)	CH134	16.60	45.71	250	Pass
11ac (VHT20)	CH100	17.87	61.24	250	Pass
11ac (VHT20)	CH116	18.39	69.02	250	Pass
11ac (VHT20)	CH140	14.57	28.64	250	Pass
11ac (VHT40)	CH102	13.47	22.23	250	Pass
11ac (VHT40)	CH118	16.00	39.81	250	Pass
11ac (VHT40)	CH134	15.97	39.54	250	Pass
11ac (VHT80)	CH106	12.13	16.33	250	Pass
11ac (VHT80)	CH122	17.94	62.23	250	Pass

**U-NII-3 (5725 - 5850 MHz)**

 Note <sup>10</sup>: Transmitting antennas of directional gain in U-NII-3 (5725 MHz to 5850 MHz) is 5 dBi

Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	17.92	61.94	1000	Pass
11a	CH157	17.29	53.58	1000	Pass
11a	CH165	17.60	57.54	1000	Pass
11n (HT20)	CH149	17.63	57.94	1000	Pass
11n (HT20)	CH157	17.88	61.38	1000	Pass
11n (HT20)	CH165	17.78	59.98	1000	Pass
11n (HT40)	CH151	17.05	50.70	1000	Pass
11n (HT40)	CH159	17.13	51.64	1000	Pass
11ac (VHT20)	CH149	17.64	58.08	1000	Pass
11ac (VHT20)	CH157	18.07	64.12	1000	Pass
11ac (VHT20)	CH165	17.92	61.94	1000	Pass
11ac (VHT40)	CH151	16.89	48.87	1000	Pass
11ac (VHT40)	CH159	16.77	47.53	1000	Pass
11ac (VHT80)	CH155	16.79	47.75	1000	Pass

**EIRP Power**

U-NII-1 (5150 - 5250 MHz )								
Note <sup>11</sup> : The limit is 200 mW or 10 dBm + 10log B, whichever is less. Where "B" is the 99% emissions bandwidth in MHz (Please refer to the section A.2).								
Mode	Channel	Frequency (MHz)	EIRP Power (dBm)	EIRP Power (mW)	99% EBW (MHz)	10 dBm + 10log B (mW)	IC Limit (mW)	Verdict
11a	CH36	5180	20.85	121.62	16.39	164	164	Pass
11a	CH44	5220	22.12	162.93	16.40	164	164	Pass
11a	CH48	5240	21.77	150.31	16.44	164	164	Pass
11n (HT20)	CH36	5180	21.24	133.05	17.51	175	175	Pass
11n (HT20)	CH44	5220	22.32	170.61	17.51	175	175	Pass
11n (HT20)	CH48	5240	21.67	146.89	17.47	175	175	Pass
11n (HT40)	CH38	5190	17.37	54.58	36.41	364	200	Pass
11n (HT40)	CH46	5230	22.19	165.58	36.41	364	200	Pass
11ac (HT80)	CH42	5210	17.39	54.83	75.60	756	200	Pass

U-NII-2A (5250 - 5350 MHz )								
Note <sup>12</sup> : The limit is 1W or 17 dBm + 10log B, whichever is less. Where "B" is the 99% emissions bandwidth in MHz (Please refer to the section A.2).								
Mode	Channel	Frequency (MHz)	EIRP Power (dBm)	EIRP Power (mW)	99% EBW (MHz)	17 dBm + 10log B (mW)	IC Limit (mW)	Verdict
11a	CH52	5260	23.20	208.93	16.40	822	822	Pass
11a	CH56	5280	23.09	203.70	16.35	819	819	Pass
11a	CH64	5320	23.26	211.84	16.40	822	822	Pass
11n (HT20)	CH52	5260	23.19	208.45	17.53	879	879	Pass
11n (HT20)	CH60	5300	23.05	201.84	17.48	876	876	Pass
11n (HT20)	CH64	5320	22.22	166.72	17.48	876	876	Pass
11n (HT40)	CH54	5270	23.41	219.28	36.40	1824	1000	Pass
11n (HT40)	CH62	5310	17.81	60.39	36.38	1823	1000	Pass
11ac (HT80)	CH58	5290	16.33	42.95	75.79	3798	1000	Pass

## U-NII-2C (5470 - 5725 MHz )

Note <sup>13</sup>: The limit is 1W or 17 dBm + 10log B, whichever is less. Where “B” is the 99% emissions bandwidth in MHz (Please refer to the section A.2)

Mode	Channel	Frequency (MHz)	EIRP Power (dBm)	EIRP Power (mW)	99% EBW (MHz)	17 dBm + 10log B (mW)	IC Limit (mW)	Verdict
11a	CH100	5500	21.89	154.53	16.32	818	818	Pass
11a	CH116	5580	23.98	250.03	16.30	817	817	Pass
11a	CH140	5700	21.97	157.40	16.36	820	820	Pass
11n (HT20)	CH100	5500	23.14	206.06	17.43	874	874	Pass
11n (HT20)	CH116	5580	23.58	228.03	17.42	873	873	Pass
11n (HT20)	CH140	5700	19.62	91.62	17.47	876	876	Pass
11n (HT40)	CH102	5510	18.65	73.28	36.47	1828	1000	Pass
11n (HT40)	CH134	5670	21.6	144.54	36.30	1819	1000	Pass
11ac (HT80)	CH106	5530	17.13	51.64	75.94	3806	1000	Pass

## A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-EC2030004-602 Data Part 1.pdf".

### Test Data

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	19.9127	16.38597
11a	CH44	19.72514	16.40385
11a	CH48	20.11028	16.44364
11n (HT20)	CH36	20.03095	17.51055
11n (HT20)	CH44	19.97508	17.50827
11n (HT20)	CH48	20.02541	17.47227
11n (HT40)	CH38	45.28948	36.40854
11n (HT40)	CH46	45.89409	36.40716
11ac (VHT20)	CH36	20.13598	17.46159
11ac (VHT20)	CH44	20.22932	17.5133
11ac (VHT20)	CH48	19.99039	17.50022
11ac (VHT40)	CH38	41.63182	36.33046
11ac (VHT40)	CH46	41.95478	36.36877
11ac (VHT80)	CH42	81.0574	75.59781

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	19.75644	16.39891
11a	CH60	19.63807	16.34749
11a	CH64	19.67257	16.40165
11n (HT20)	CH52	20.06313	17.52627
11n (HT20)	CH60	19.94724	17.47521
11n (HT20)	CH64	20.03361	17.47836
11n (HT40)	CH54	41.3528	36.40127
11n (HT40)	CH62	41.24246	36.3756
11ac (VHT20)	CH52	19.95702	17.48672
11ac (VHT20)	CH60	20.00448	17.43308
11ac (VHT20)	CH64	20.07954	17.49304
11ac (VHT40)	CH54	41.4153	36.29199
11ac (VHT40)	CH62	41.66087	36.30365
11ac (VHT80)	CH58	81.15663	75.78562

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	19.54961	16.31854
11a	CH116	19.5682	16.29568
11a	CH140	19.64948	16.35675
11n (HT20)	CH100	19.85474	17.43054
11n (HT20)	CH116	19.80891	17.41797
11n (HT20)	CH140	20.01957	17.4708
11n (HT40)	CH102	46.70444	36.47381
11n (HT40)	CH118	40.93381	36.29538
11n (HT40)	CH134	40.89918	36.29848
11ac (VHT20)	CH100	20.03659	17.41748
11ac (VHT20)	CH116	25.13839	17.68984
11ac (VHT20)	CH140	20.14052	17.52121
11ac (VHT40)	CH102	59.26996	36.76804
11ac (VHT40)	CH118	44.96843	36.31864
11ac (VHT40)	CH134	41.01477	36.2339
11ac (VHT80)	CH106	99.7851	75.93571
11ac (VHT80)	CH122	81.33615	75.83069

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	19.57668	16.36830
11a	CH157	19.53673	16.34773
11a	CH165	19.66035	16.41678
11n (HT20)	CH149	19.98631	17.46503
11n (HT20)	CH157	19.83446	17.42153
11n (HT20)	CH165	20.00400	17.51433
11n (HT40)	CH151	40.75896	36.36072
11n (HT40)	CH159	41.57420	36.41790
11ac (VHT20)	CH149	19.88054	17.46513
11ac (VHT20)	CH157	19.93893	17.42581
11ac (VHT20)	CH165	19.91667	17.51343
11ac (VHT40)	CH151	40.99693	36.33974
11ac (VHT40)	CH159	40.99231	36.38823
11ac (VHT80)	CH155	81.13300	75.82475

### A.3 6 dB Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-EC2030004-602 Data Part 2.pdf".

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	14.467773	500.00	Pass
11a	CH157	11.714844	500.00	Pass
11a	CH165	13.216309	500.00	Pass
11n (HT20)	CH149	13.617187	500.00	Pass
11n (HT20)	CH157	13.617187	500.00	Pass
11n (HT20)	CH165	16.069824	500.00	Pass
11n (HT40)	CH151	36.022461	500.00	Pass
11n (HT40)	CH159	35.822754	500.00	Pass
11ac (VHT20)	CH149	13.617187	500.00	Pass
11ac (VHT20)	CH157	13.867187	500.00	Pass
11ac (VHT20)	CH165	15.168945	500.00	Pass
11ac (VHT40)	CH151	35.772461	500.00	Pass
11ac (VHT40)	CH159	35.772461	500.00	Pass
11ac (VHT80)	CH155	75.17334	500.00	Pass

## A.4 Power Spectral Density

Note: Test plots please refer to the document "Annex No.: BL-EC2030004-602 Data Part 3.pdf".

### Test Data

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

U-NII-1 (5150 - 5250 MHz)				
Note <sup>1</sup> : Transmitting antennas of directional gain in U-NII-1( 5150 MHz to 5250 MHz) is 5 dBi				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH36	4.74	11.00	Pass
11a	CH44	4.94	11.00	Pass
11a	CH48	4.87	11.00	Pass
11n (HT20)	CH36	4.10	11.00	Pass
11n (HT20)	CH44	4.84	11.00	Pass
11n (HT20)	CH48	4.45	11.00	Pass
11n (HT40)	CH38	-2.33	11.00	Pass
11n (HT40)	CH46	3.87	11.00	Pass
11ac (VHT20)	CH36	4.17	11.00	Pass
11ac (VHT20)	CH44	4.76	11.00	Pass
11ac (VHT20)	CH48	4.55	11.00	Pass
11ac (VHT40)	CH38	-1.89	11.00	Pass
11ac (VHT40)	CH46	1.74	11.00	Pass
11ac (VHT80)	CH42	-4.92	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Note <sup>3</sup> : Transmitting antennas of directional gain in U-NII-2A( 5250 MHz to 5350 MHz) is 5 dBi				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH52	4.32	11.00	Pass
11a	CH60	4.05	11.00	Pass
11a	CH64	4.55	11.00	Pass
11n (HT20)	CH52	4.94	11.00	Pass
11n (HT20)	CH60	4.71	11.00	Pass
11n (HT20)	CH64	4.37	11.00	Pass
11n (HT40)	CH54	2.39	11.00	Pass
11n (HT40)	CH62	-1.05	11.00	Pass
11ac (VHT20)	CH52	4.71	11.00	Pass
11ac (VHT20)	CH60	4.78	11.00	Pass
11ac (VHT20)	CH64	3.74	11.00	Pass
11ac (VHT40)	CH54	1.99	11.00	Pass
11ac (VHT40)	CH62	-1.18	11.00	Pass
11ac (VHT80)	CH58	-4.75	11.00	Pass



U-NII-2C (5470 - 5725 MHz)				
Note <sup>5</sup> : Transmitting antennas of directional gain in U-NII-2C (5470 MHz to 5725 MHz) is 5.3 dBi				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH100	4.40	11.00	Pass
11a	CH116	4.56	11.00	Pass
11a	CH140	4.08	11.00	Pass
11n (HT20)	CH100	4.16	11.00	Pass
11n (HT20)	CH116	4.23	11.00	Pass
11n (HT20)	CH140	3.35	11.00	Pass
11n (HT40)	CH102	-0.34	11.00	Pass
11n (HT40)	CH118	-0.36	11.00	Pass
11n (HT40)	CH134	0.18	11.00	Pass
11ac (VHT20)	CH100	4.16	11.00	Pass
11ac (VHT20)	CH116	4.05	11.00	Pass
11ac (VHT20)	CH140	2.58	11.00	Pass
11ac (VHT40)	CH102	-0.36	11.00	Pass
11ac (VHT40)	CH118	0.10	11.00	Pass
11ac (VHT40)	CH134	0.41	11.00	Pass
11ac (VHT80)	CH106	-3.75	11.00	Pass
11ac (VHT80)	CH122	-2.53	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Note <sup>7</sup> : Transmitting antennas of directional gain in U-NII-3 (5725 MHz to 5850 MHz) is 5 dBi				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	2.30	30.00	Pass
11a	CH157	0.65	30.00	Pass
11a	CH165	0.17	30.00	Pass
11n (HT20)	CH149	1.59	30.00	Pass
11n (HT20)	CH157	0.31	30.00	Pass
11n (HT20)	CH165	-0.16	30.00	Pass
11n (HT40)	CH151	-1.92	30.00	Pass
11n (HT40)	CH159	-1.10	30.00	Pass
11ac (VHT20)	CH149	1.90	30.00	Pass
11ac (VHT20)	CH157	1.27	30.00	Pass
11ac (VHT20)	CH165	0.34	30.00	Pass
11ac (VHT40)	CH151	1.03	30.00	Pass
11ac (VHT40)	CH159	-0.53	30.00	Pass
11ac (VHT80)	CH155	-2.66	30.00	Pass

EIRP PSD

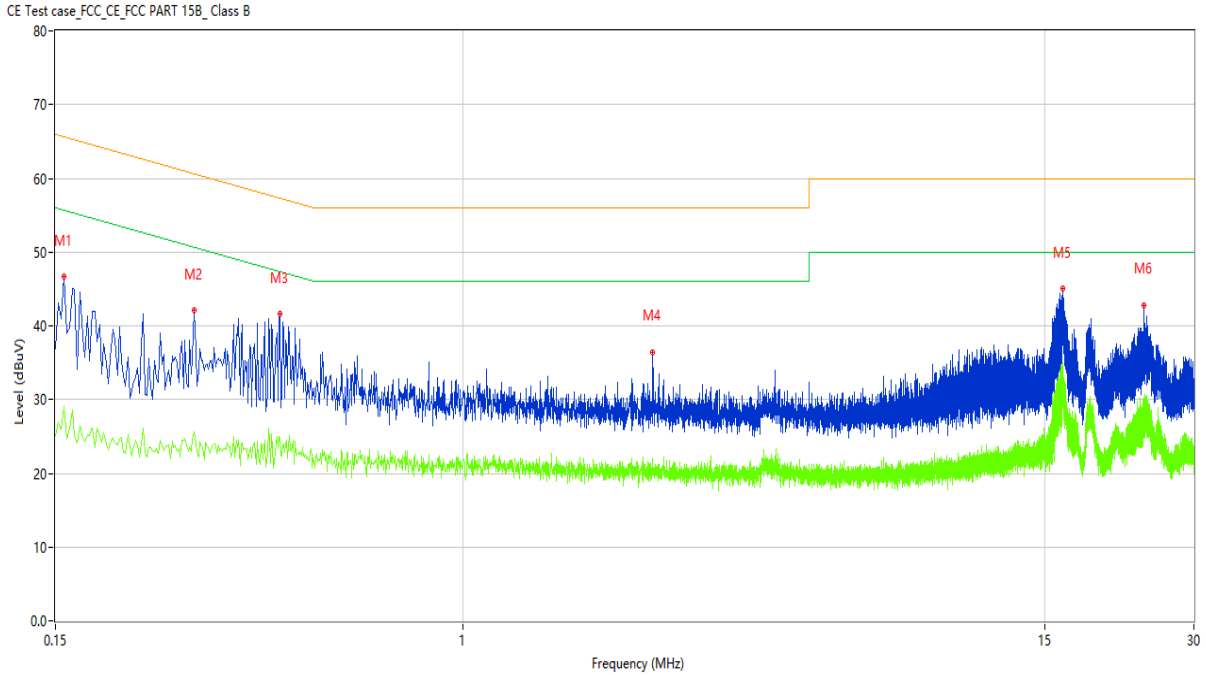
U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Frequency (MHz)	PSD (dBm/MHz)	IC Limit (dBm/MHz)	Verdict
11a	CH36	5180	9.74	10	Pass
11a	CH44	5220	9.94	10	Pass
11a	CH48	5240	9.87	10	Pass
11n (HT20)	CH36	5180	9.10	10	Pass
11n (HT20)	CH44	5220	9.84	10	Pass
11n (HT20)	CH48	5240	9.45	10	Pass
11n (HT40)	CH38	5190	2.67	10	Pass
11n (HT40)	CH46	5230	8.87	10	Pass
11ac (HT80)	CH42	5210	0.08	10	Pass

## A.5 Conducted Emissions

Note<sup>1</sup>: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.  
 Note<sup>2</sup>: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

### Test Data and Plots

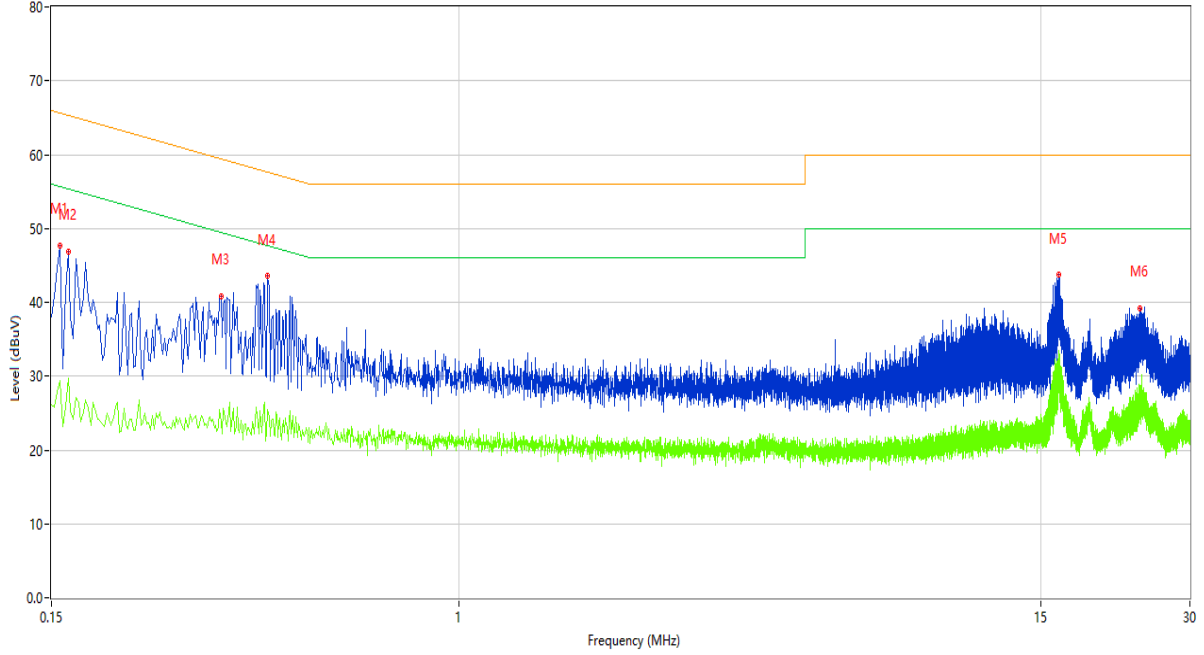
#### PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.150	36.91	11.16	66.00	-29.09	Peak	L	Pass
1**	0.150	25.08	11.16	56.00	-30.92	AV	L	Pass
2	0.286	42.06	11.35	60.64	-18.58	Peak	L	Pass
2**	0.286	25.56	11.35	50.64	-25.08	AV	L	Pass
3	0.426	41.58	11.40	57.33	-15.75	Peak	L	Pass
3**	0.426	24.75	11.40	47.33	-22.58	AV	L	Pass
4	2.418	36.38	11.33	56.00	-19.62	Peak	L	Pass
4**	2.418	20.60	11.33	46.00	-25.40	AV	L	Pass
5	16.296	45.09	11.41	60.00	-14.91	Peak	L	Pass
5**	16.296	33.86	11.41	50.00	-16.14	AV	L	Pass
6	23.740	42.80	11.32	60.00	-17.20	Peak	L	Pass
6**	23.740	29.84	11.32	50.00	-20.16	AV	L	Pass

PHASE N

CE Test case\_FCC\_CE\_FCC PART 15B\_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.150	38.07	11.16	66.00	-27.93	Peak	N	Pass
1**	0.150	26.04	11.16	56.00	-29.96	AV	N	Pass
2	0.162	46.89	11.11	65.36	-18.47	Peak	N	Pass
2**	0.162	29.68	11.11	55.36	-25.68	AV	N	Pass
3	0.330	40.83	11.42	59.45	-18.62	Peak	N	Pass
3**	0.330	23.86	11.42	49.45	-25.59	AV	N	Pass
4	0.410	43.63	11.42	57.65	-14.02	Peak	N	Pass
4**	0.410	25.49	11.42	47.65	-22.16	AV	N	Pass
5	16.298	43.71	11.41	60.00	-16.29	Peak	N	Pass
5**	16.298	33.33	11.41	50.00	-16.67	AV	N	Pass
6	23.742	39.19	11.32	60.00	-20.81	Peak	N	Pass
6**	23.742	27.96	11.32	50.00	-22.04	AV	N	Pass

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

### Test Data

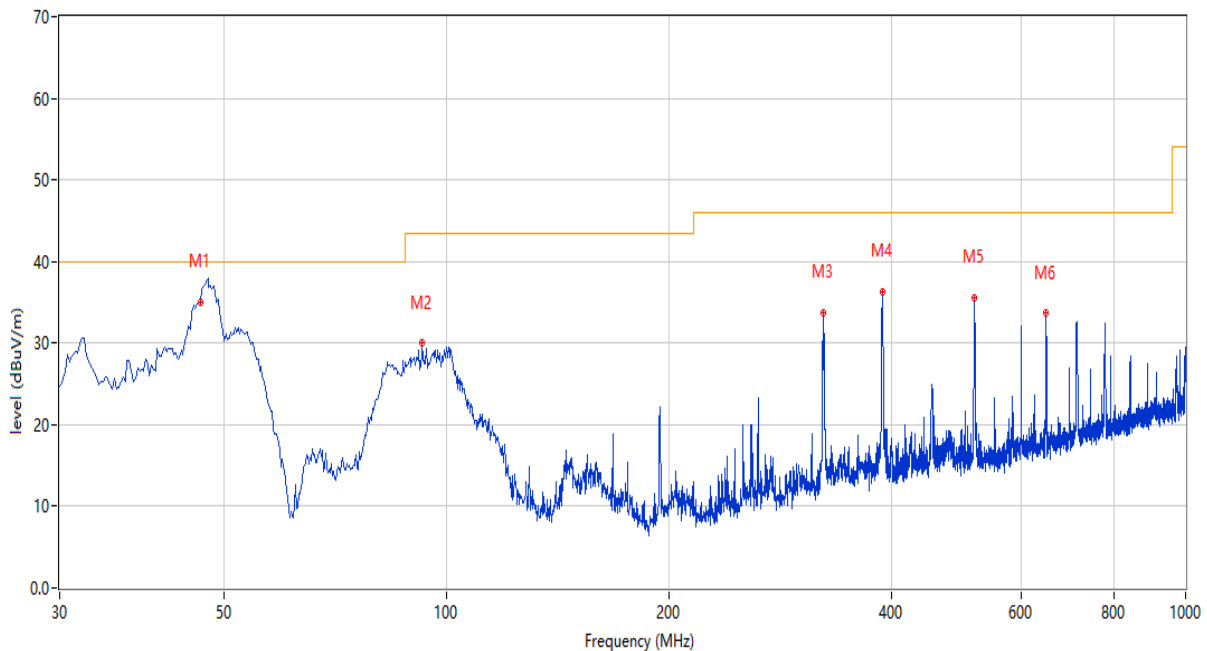
Note<sup>1</sup>: The symbol of "--" in the table which means not application.

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

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

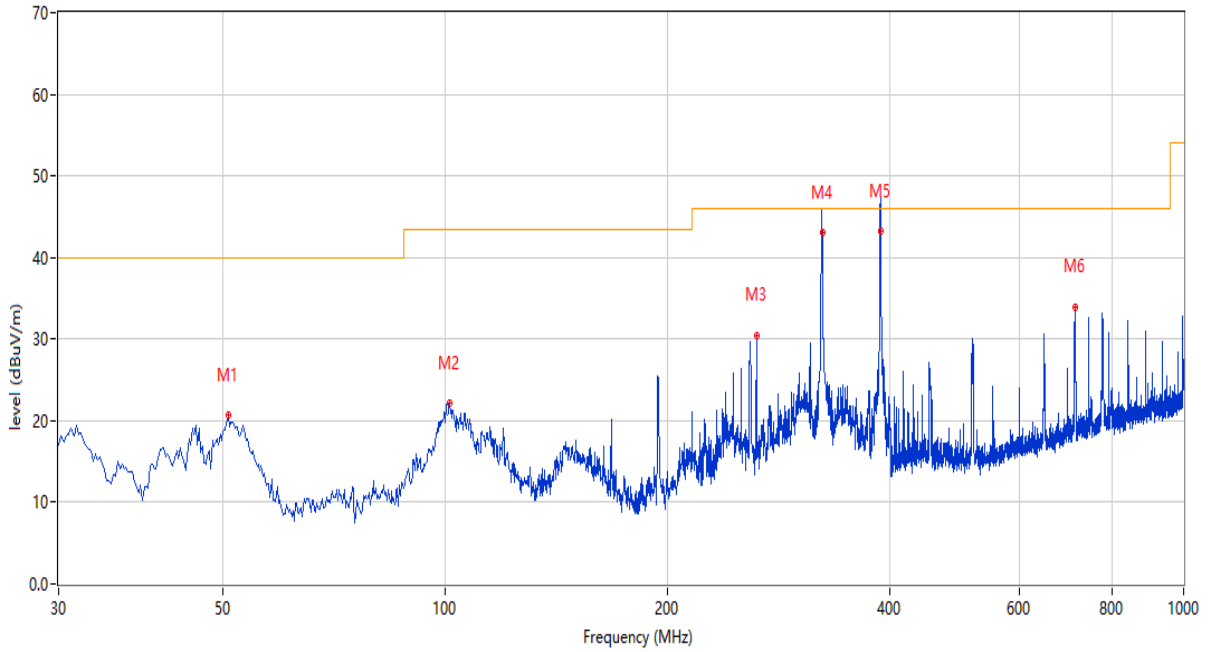
Note<sup>4</sup>: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.

#### 30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	47.644	37.95	-24.42	40.0	-2.05	Peak	292.00	102	Vertical	N/A
1*	47.644	34.17	-24.42	40.0	-5.83	QP	292.00	102	Vertical	Pass
2	92.808	30.01	-26.75	43.5	-13.49	Peak	14.00	100	Vertical	Pass
3	323.668	33.76	-22.99	46.0	-12.24	Peak	70.00	100	Vertical	Pass
4	389.385	36.36	-21.45	46.0	-9.64	Peak	61.00	100	Vertical	Pass
5	518.153	35.59	-18.59	46.0	-10.41	Peak	251.00	100	Vertical	Pass
6	647.890	33.66	-15.76	46.0	-12.34	Peak	181.00	100	Vertical	Pass

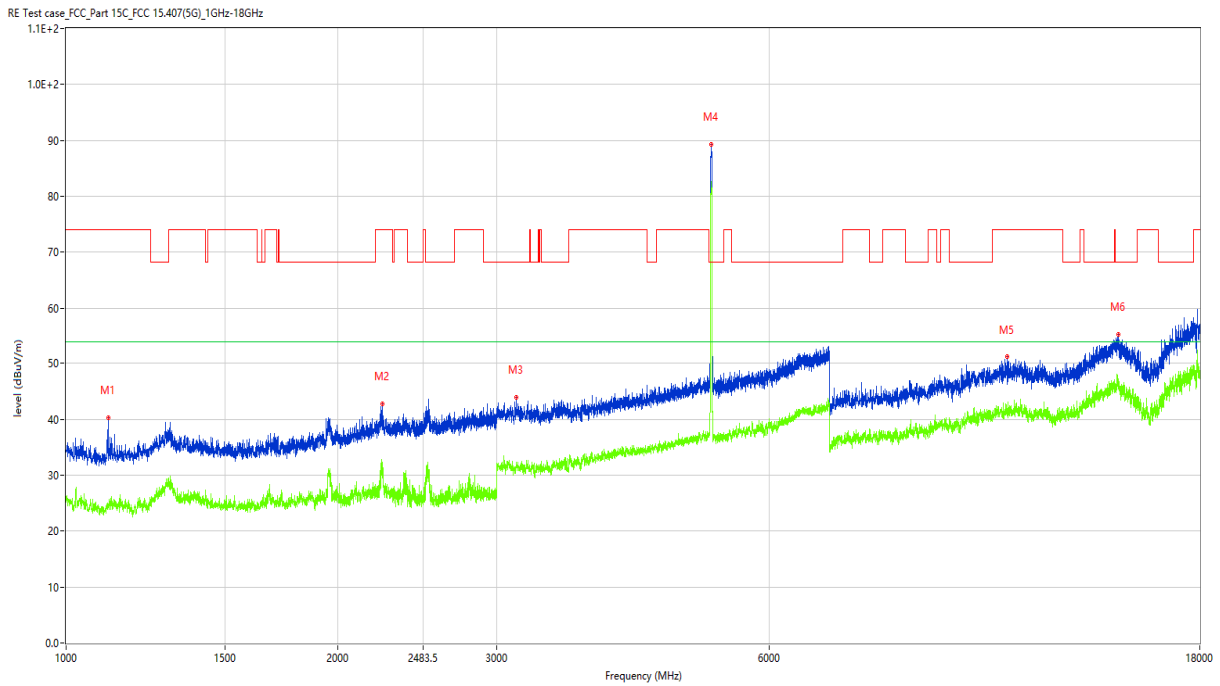
30 MHz to 1 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	50.855	20.70	-24.24	40.0	-19.30	Peak	304.00	100	Horizontal	Pass
2	101.537	22.10	-25.66	43.5	-21.40	Peak	347.00	100	Horizontal	Pass
3	264.013	30.50	-24.22	46.0	-15.50	Peak	146.00	100	Horizontal	Pass
4	323.853	46.00	-22.88	46.0	0.00	Peak	15.00	100	Horizontal	N/A
4*	323.853	42.08	-22.88	46.0	-3.92	QP	15.00	100	Horizontal	Pass
5	388.828	47.41	-21.41	46.0	1.41	Peak	108.00	100	Horizontal	N/A
5*	388.828	42.39	-21.41	46.0	-3.61	QP	108.00	100	Horizontal	Pass
6	713.122	33.94	-14.64	46.0	-12.06	Peak	41.00	100	Horizontal	Pass

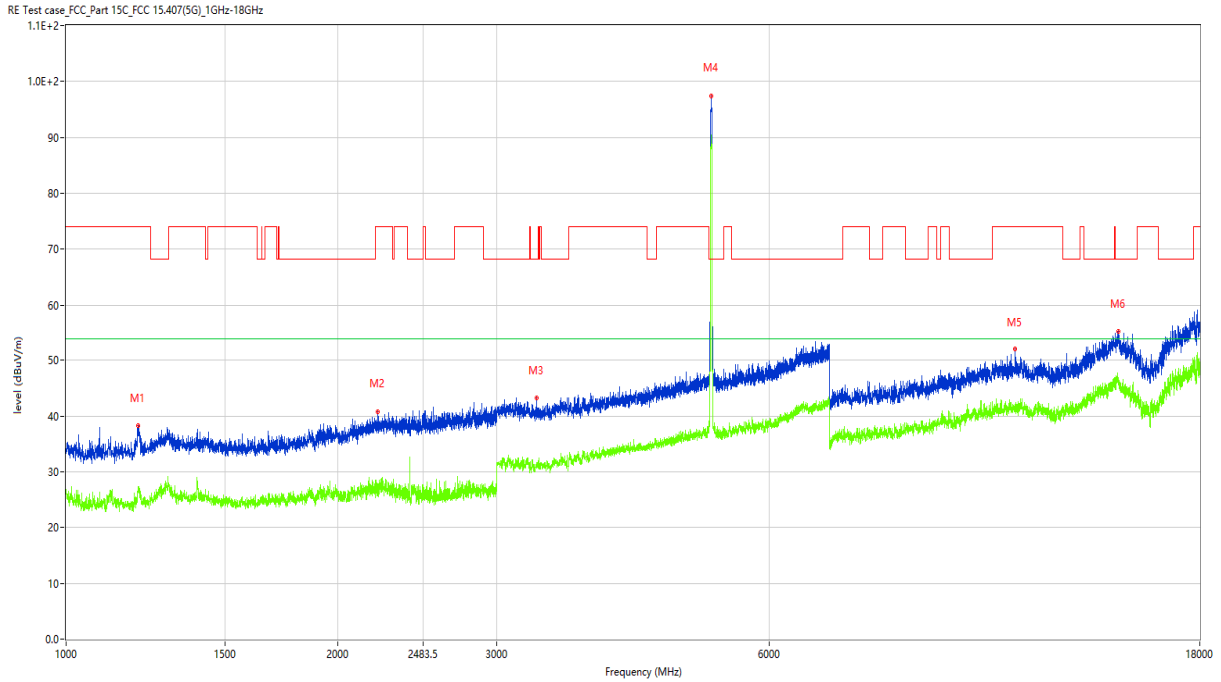
Note: The spurious above 18G is noise only, do not show on the report.

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1113.000	40.25	-17.06	74.0	-33.75	Peak	246.00	100	Vertical	Pass
1**	1113.000	24.49	-17.06	54.0	-29.51	AV	246.00	100	Vertical	Pass
2	2241.500	42.69	-12.30	74.0	-31.31	Peak	200.00	100	Vertical	Pass
2**	2241.500	31.80	-12.30	54.0	-22.20	AV	200.00	100	Vertical	Pass
3	3149.000	43.93	-7.19	68.2	-24.27	Peak	297.00	100	Vertical	Pass
3**	3149.000	31.65	-7.19	54.0	-22.35	AV	297.00	100	Vertical	Pass
4	5179.000	89.33	-1.96	68.2	21.13	Peak	268.00	100	Vertical	N/A
4**	5179.000	81.67	-1.96	54.0	27.67	AV	268.00	100	Vertical	N/A
5	11020.500	51.22	7.25	74.0	-22.78	Peak	262.00	100	Vertical	Pass
5**	11020.500	40.96	7.25	54.0	-13.04	AV	262.00	100	Vertical	Pass
6	14634.000	55.25	12.01	68.2	-12.95	Peak	33.00	100	Vertical	Pass
6**	14634.000	46.12	12.01	54.0	-7.88	AV	33.00	100	Vertical	Pass

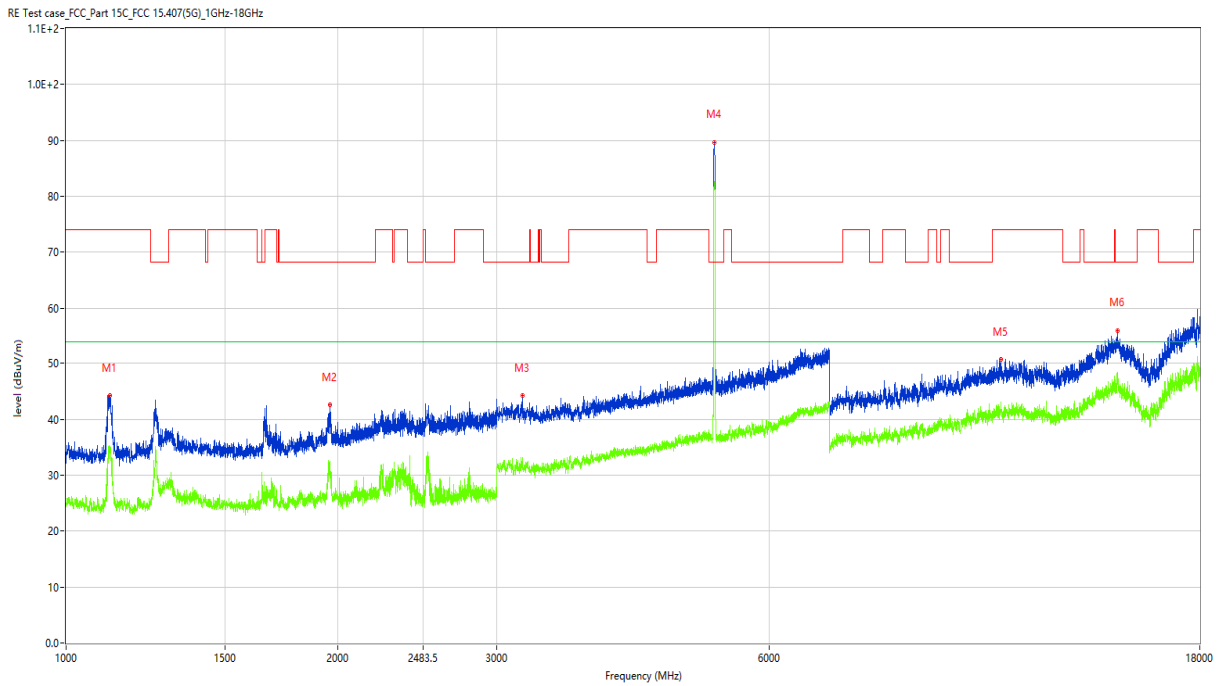
11a, U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1201.500	38.21	-16.38	74.0	-35.79	Peak	342.00	100	Horizontal	Pass
1**	1201.500	26.61	-16.38	54.0	-27.39	AV	342.00	100	Horizontal	Pass
2	2215.000	40.81	-12.29	74.0	-33.19	Peak	360.00	100	Horizontal	Pass
2**	2215.000	27.44	-12.29	54.0	-26.56	AV	360.00	100	Horizontal	Pass
3	3316.000	43.26	-7.41	68.2	-24.94	Peak	33.00	100	Horizontal	Pass
3**	3316.000	31.40	-7.41	54.0	-22.60	AV	33.00	100	Horizontal	Pass
4	5178.000	97.49	-1.95	68.2	29.29	Peak	193.00	100	Horizontal	N/A
4**	5178.000	88.96	-1.95	54.0	34.96	AV	193.00	100	Horizontal	N/A
5	11246.000	52.03	6.78	74.0	-21.97	Peak	34.00	100	Horizontal	Pass
5**	11246.000	41.57	6.78	54.0	-12.43	AV	34.00	100	Horizontal	Pass
6	14634.000	55.35	12.01	68.2	-12.85	Peak	181.00	100	Horizontal	Pass
6**	14634.000	45.56	12.01	54.0	-8.44	AV	181.00	100	Horizontal	Pass

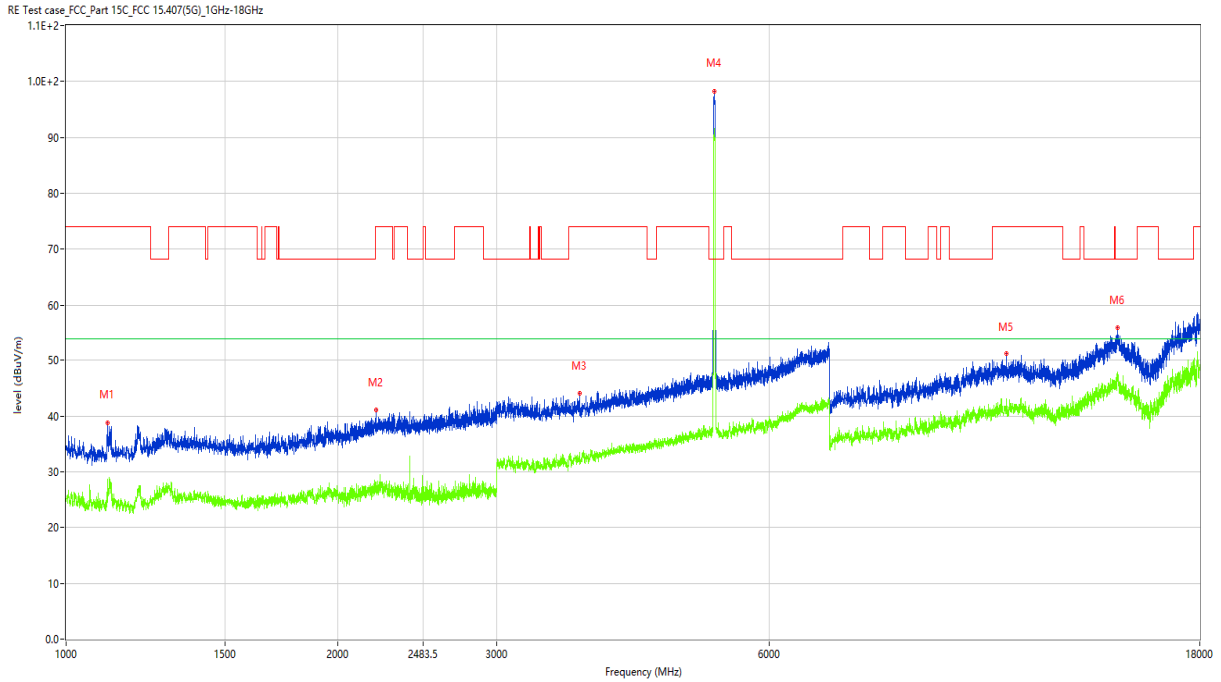


11a, U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT V



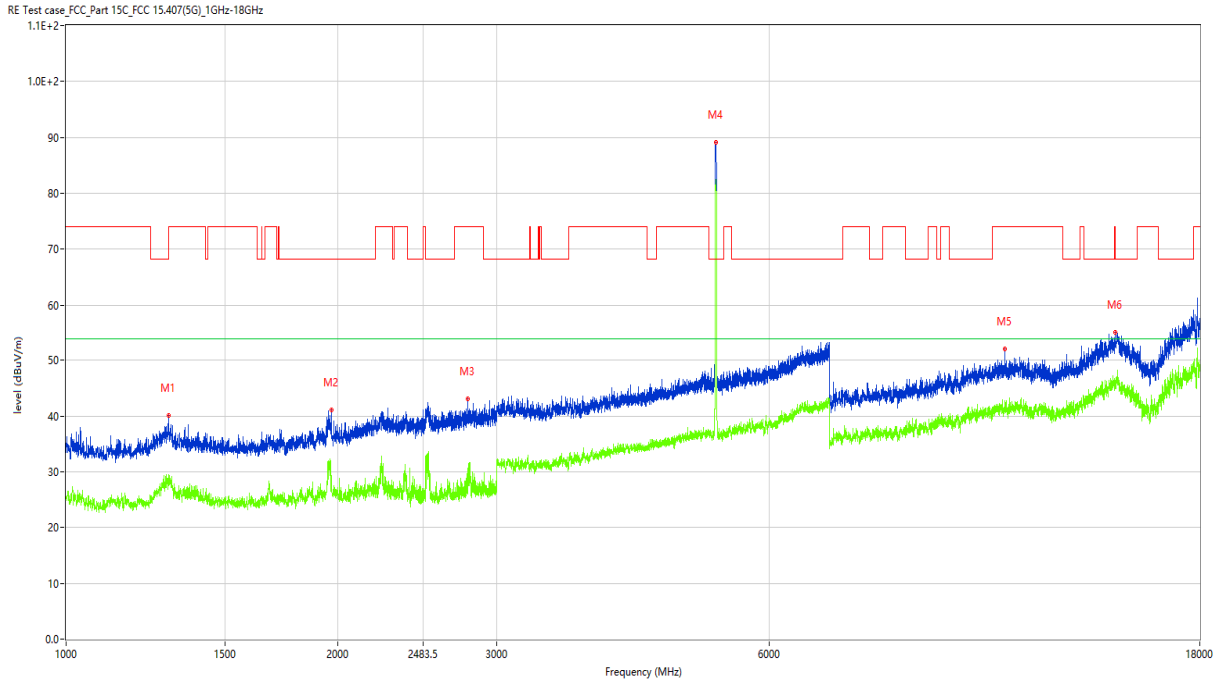
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1118.500	44.22	-17.03	74.0	-29.78	Peak	221.00	100	Vertical	Pass
1**	1118.500	34.41	-17.03	54.0	-19.59	AV	221.00	100	Vertical	Pass
2	1960.500	42.60	-14.61	68.2	-25.60	Peak	161.00	100	Vertical	Pass
2**	1960.500	31.68	-14.61	54.0	-22.32	AV	161.00	100	Vertical	Pass
3	3200.000	44.22	-6.82	68.2	-23.98	Peak	201.00	100	Vertical	Pass
3**	3200.000	31.45	-6.82	54.0	-22.55	AV	201.00	100	Vertical	Pass
4	5221.000	89.70	-1.69	68.2	21.50	Peak	216.00	100	Vertical	N/A
4**	5221.000	81.45	-1.69	54.0	27.45	AV	216.00	100	Vertical	N/A
5	10830.750	50.78	7.07	74.0	-23.22	Peak	173.00	100	Vertical	Pass
5**	10830.750	41.92	7.07	54.0	-12.08	AV	173.00	100	Vertical	Pass
6	14592.750	56.06	12.45	68.2	-12.14	Peak	34.00	100	Vertical	Pass
6**	14592.750	48.41	12.45	54.0	-5.59	AV	34.00	100	Vertical	Pass

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



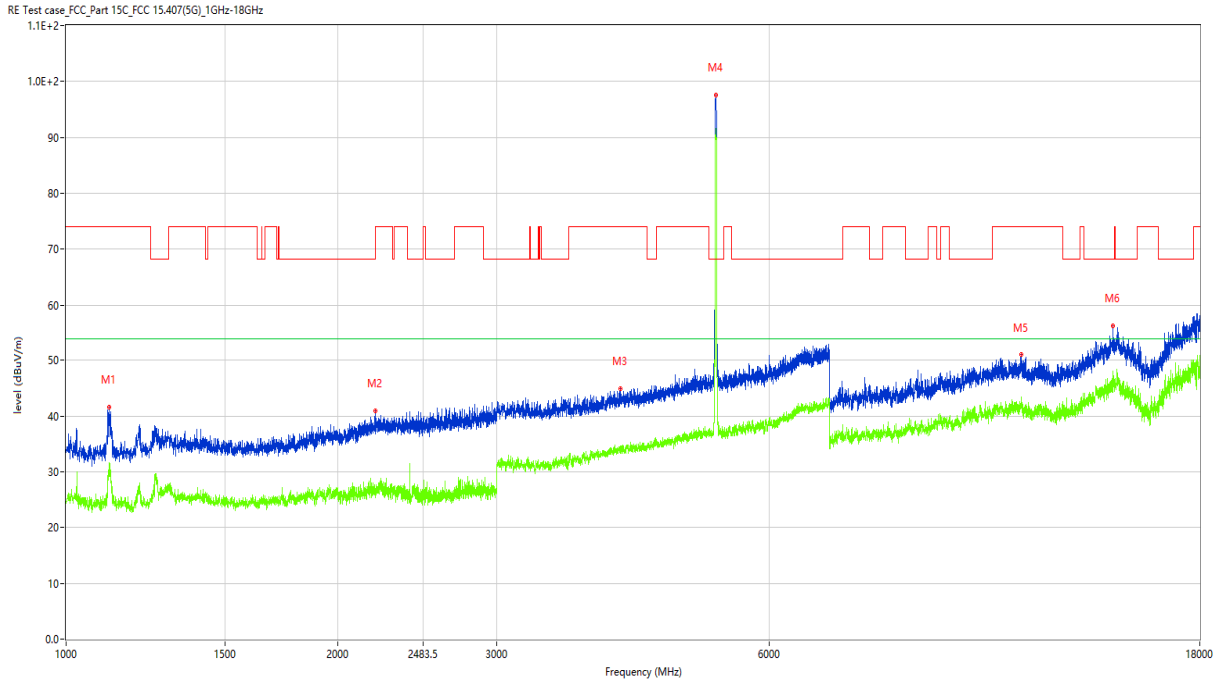
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1111.000	38.82	-17.01	74.0	-35.18	Peak	208.00	100	Horizontal	Pass
1**	1111.000	24.68	-17.01	54.0	-29.32	AV	208.00	100	Horizontal	Pass
2	2203.000	41.08	-11.72	74.0	-32.92	Peak	255.00	100	Horizontal	Pass
2**	2203.000	26.97	-11.72	54.0	-27.03	AV	255.00	100	Horizontal	Pass
3	3701.000	44.04	-5.60	74.0	-29.96	Peak	216.00	100	Horizontal	Pass
3**	3701.000	32.69	-5.60	54.0	-21.31	AV	216.00	100	Horizontal	Pass
4	5219.000	98.30	-1.76	68.2	30.10	Peak	185.00	100	Horizontal	N/A
4**	5219.000	91.06	-1.76	54.0	37.06	AV	185.00	100	Horizontal	N/A
5	10995.750	51.24	7.07	74.0	-22.76	Peak	0.00	100	Horizontal	Pass
5**	10995.750	40.40	7.07	54.0	-13.60	AV	0.00	100	Horizontal	Pass
6	14587.250	56.03	12.38	68.2	-12.17	Peak	177.00	100	Horizontal	Pass
6**	14587.250	46.70	12.38	54.0	-7.30	AV	177.00	100	Horizontal	Pass

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



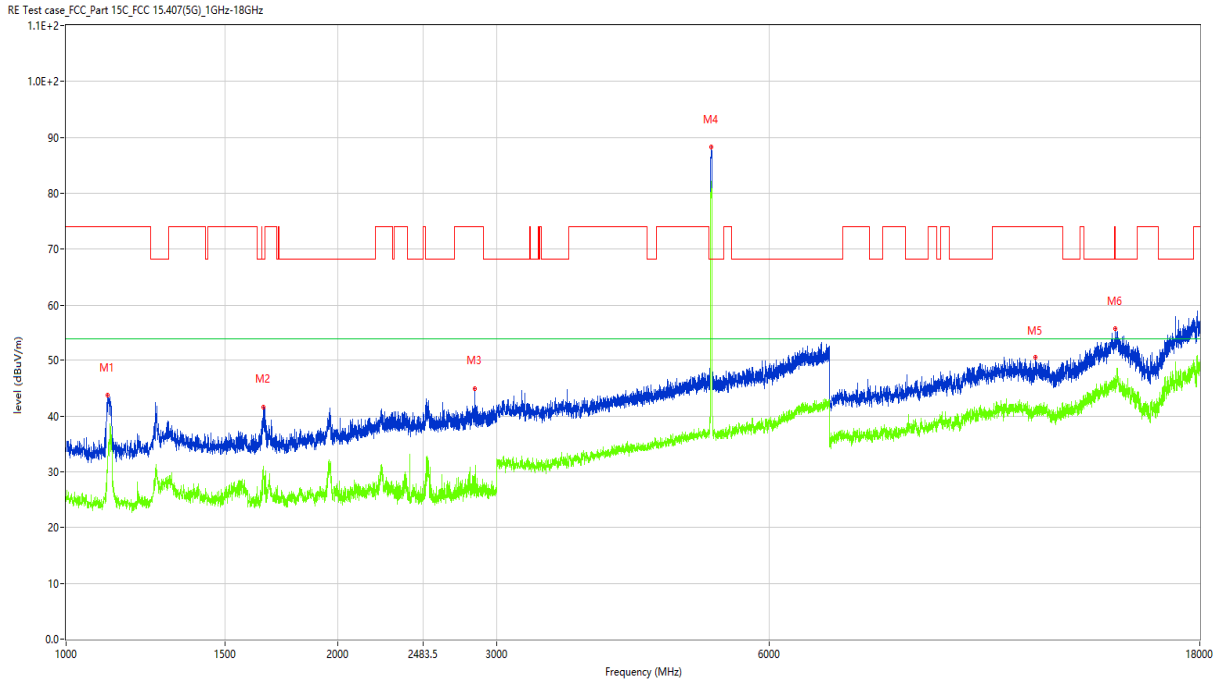
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1298.000	40.06	-15.59	68.2	-28.14	Peak	186.00	100	Vertical	Pass
1**	1298.000	28.22	-15.59	54.0	-25.78	AV	186.00	100	Vertical	Pass
2	1967.500	41.11	-14.77	68.2	-27.09	Peak	186.00	100	Vertical	Pass
2**	1967.500	26.39	-14.77	54.0	-27.61	AV	186.00	100	Vertical	Pass
3	2786.000	43.02	-9.93	74.0	-30.98	Peak	137.00	100	Vertical	Pass
3**	2786.000	30.71	-9.93	54.0	-23.29	AV	137.00	100	Vertical	Pass
4	5238.000	89.07	-2.37	68.2	20.87	Peak	257.00	100	Vertical	N/A
4**	5238.000	82.01	-2.37	54.0	28.01	AV	257.00	100	Vertical	N/A
5	10946.250	52.08	7.37	74.0	-21.92	Peak	23.00	100	Vertical	Pass
5**	10946.250	41.41	7.37	54.0	-12.59	AV	23.00	100	Vertical	Pass
6	14510.250	55.13	12.10	68.2	-13.07	Peak	198.00	100	Vertical	Pass
6**	14510.250	45.09	12.10	54.0	-8.91	AV	198.00	100	Vertical	Pass

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



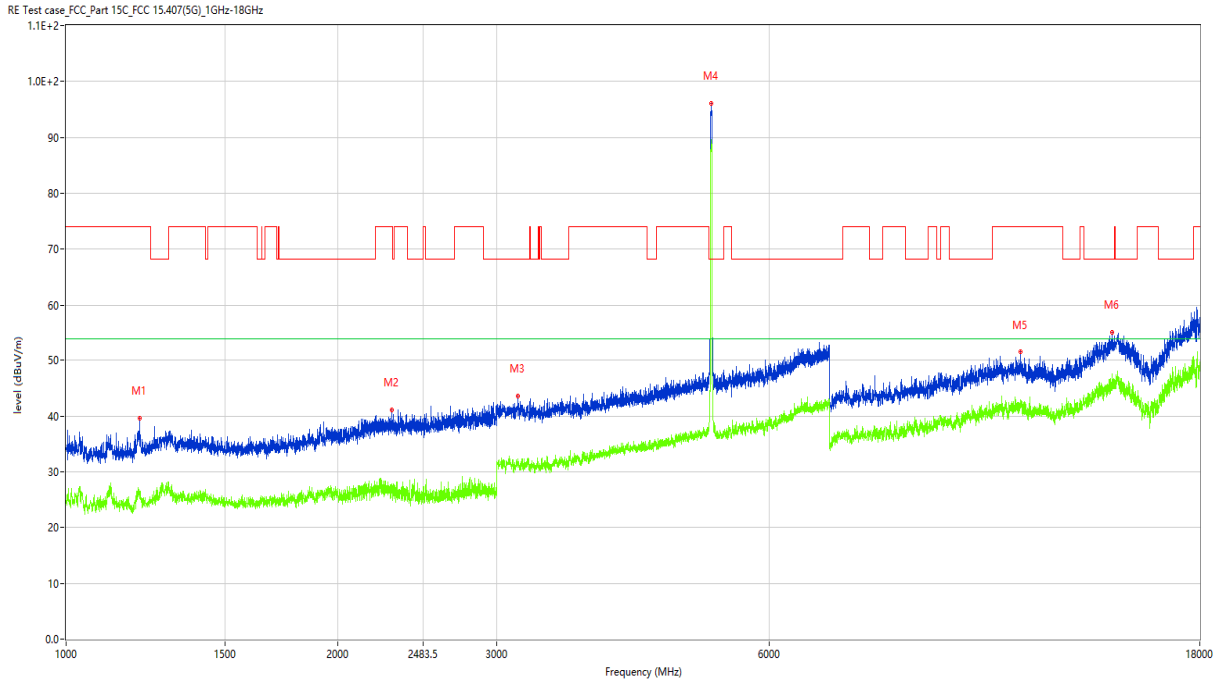
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1116.000	41.62	-16.99	74.0	-32.38	Peak	277.00	100	Horizontal	Pass
1**	1116.000	31.14	-16.99	54.0	-22.86	AV	277.00	100	Horizontal	Pass
2	2198.500	40.86	-11.85	68.2	-27.34	Peak	136.00	100	Horizontal	Pass
2**	2198.500	26.27	-11.85	54.0	-27.73	AV	136.00	100	Horizontal	Pass
3	4111.000	44.86	-4.68	74.0	-29.14	Peak	188.00	100	Horizontal	Pass
3**	4111.000	33.29	-4.68	54.0	-20.71	AV	188.00	100	Horizontal	Pass
4	5239.000	97.54	-2.40	68.2	29.34	Peak	188.00	100	Horizontal	N/A
4**	5239.000	90.16	-2.40	54.0	36.16	AV	188.00	100	Horizontal	N/A
5	11411.000	51.00	7.04	74.0	-23.00	Peak	114.00	100	Horizontal	Pass
5**	11411.000	41.16	7.04	54.0	-12.84	AV	114.00	100	Horizontal	Pass
6	14419.500	56.36	10.90	68.2	-11.84	Peak	173.00	100	Horizontal	Pass
6**	14419.500	46.07	10.90	54.0	-7.93	AV	173.00	100	Horizontal	Pass

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



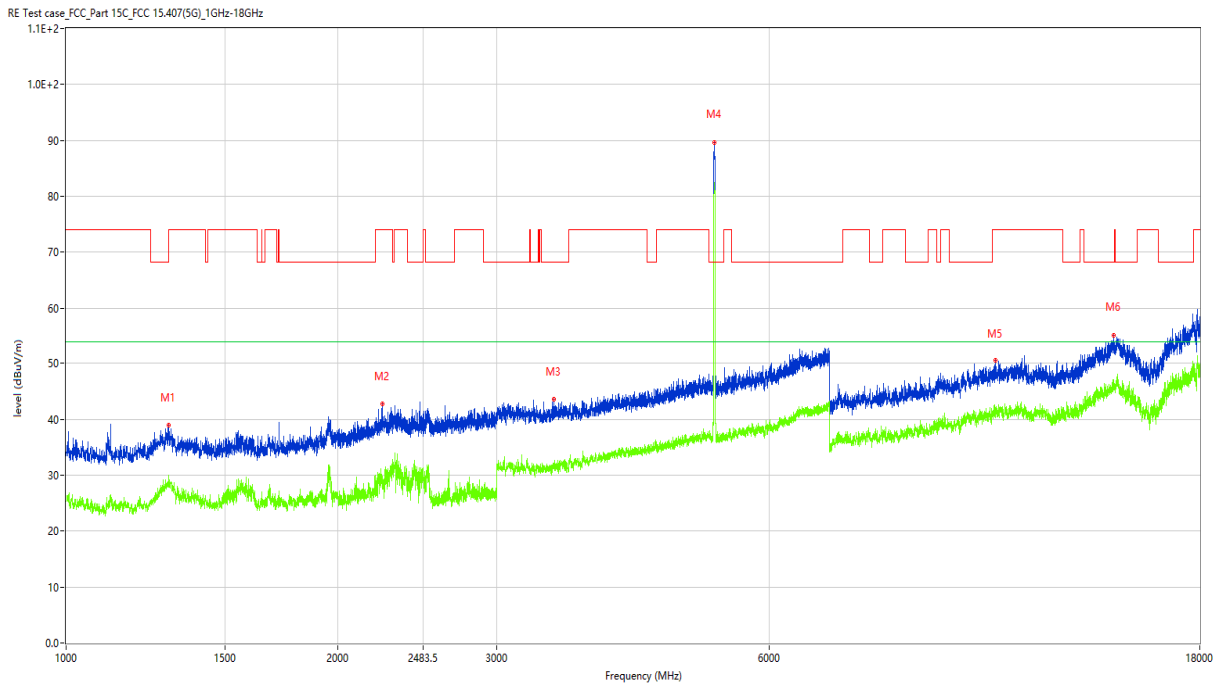
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1110.500	43.74	-17.04	74.0	-30.26	Peak	80.00	100	Vertical	Pass
1**	1110.500	31.44	-17.04	54.0	-22.56	AV	80.00	100	Vertical	Pass
2	1652.500	41.64	-15.99	68.2	-26.56	Peak	129.00	100	Vertical	Pass
2**	1652.500	29.99	-15.99	54.0	-24.01	AV	129.00	100	Vertical	Pass
3	2837.500	44.95	-9.17	74.0	-29.05	Peak	273.00	100	Vertical	Pass
3**	2837.500	27.75	-9.17	54.0	-26.25	AV	273.00	100	Vertical	Pass
4	5183.000	88.27	-1.95	68.2	20.07	Peak	267.00	100	Vertical	N/A
4**	5183.000	81.45	-1.95	54.0	27.45	AV	267.00	100	Vertical	N/A
5	11837.250	50.48	6.22	74.0	-23.52	Peak	243.00	100	Vertical	Pass
5**	11837.250	41.59	6.22	54.0	-12.41	AV	243.00	100	Vertical	Pass
6	14521.250	55.84	11.80	68.2	-12.36	Peak	36.00	100	Vertical	Pass
6**	14521.250	45.33	11.80	54.0	-8.67	AV	36.00	100	Vertical	Pass

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



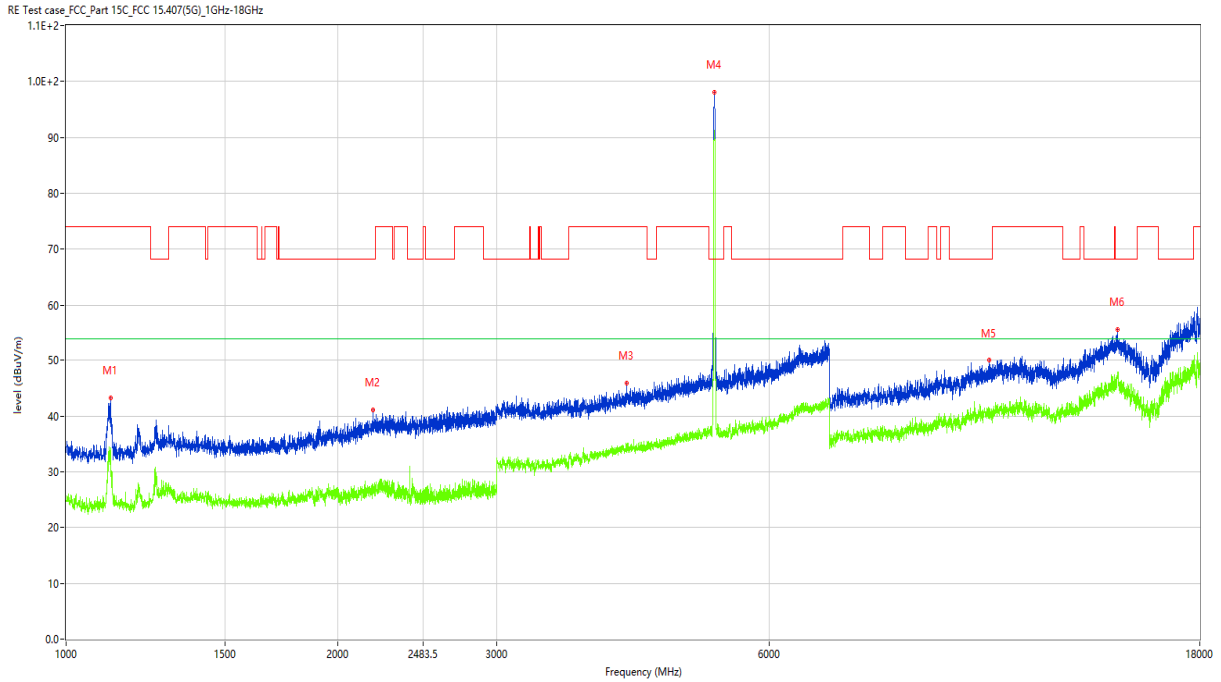
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1207.000	39.58	-15.96	74.0	-34.42	Peak	340.00	100	Horizontal	Pass
1**	1207.000	26.17	-15.96	54.0	-27.83	AV	340.00	100	Horizontal	Pass
2	2293.000	41.06	-12.10	74.0	-32.94	Peak	174.00	100	Horizontal	Pass
2**	2293.000	26.23	-12.10	54.0	-27.77	AV	174.00	100	Horizontal	Pass
3	3166.000	43.56	-6.55	68.2	-24.64	Peak	9.00	100	Horizontal	Pass
3**	3166.000	32.25	-6.55	54.0	-21.75	AV	9.00	100	Horizontal	Pass
4	5181.000	96.08	-1.97	68.2	27.88	Peak	206.00	100	Horizontal	N/A
4**	5181.000	88.10	-1.97	54.0	34.10	AV	206.00	100	Horizontal	N/A
5	11397.250	51.50	7.07	74.0	-22.50	Peak	359.00	100	Horizontal	Pass
5**	11397.250	42.92	7.07	54.0	-11.08	AV	359.00	100	Horizontal	Pass
6	14403.000	55.13	11.64	68.2	-13.07	Peak	289.00	100	Horizontal	Pass
6**	14403.000	46.08	11.64	54.0	-7.92	AV	289.00	100	Horizontal	Pass

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1299.500	38.98	-15.51	68.2	-29.22	Peak	198.00	100	Vertical	Pass
1**	1299.500	29.11	-15.51	54.0	-24.89	AV	198.00	100	Vertical	Pass
2	2238.500	42.73	-12.28	74.0	-31.27	Peak	198.00	100	Vertical	Pass
2**	2238.500	29.28	-12.28	54.0	-24.72	AV	198.00	100	Vertical	Pass
3	3465.000	43.50	-6.27	68.2	-24.70	Peak	164.00	100	Vertical	Pass
3**	3465.000	31.20	-6.27	54.0	-22.80	AV	164.00	100	Vertical	Pass
4	5219.000	89.68	-1.76	68.2	21.48	Peak	251.00	100	Vertical	N/A
4**	5219.000	82.00	-1.76	54.0	28.00	AV	251.00	100	Vertical	N/A
5	10685.000	50.54	6.66	74.0	-23.46	Peak	42.00	100	Vertical	Pass
5**	10685.000	41.53	6.66	54.0	-12.47	AV	42.00	100	Vertical	Pass
6	14458.000	55.24	11.09	68.2	-12.96	Peak	247.00	100	Vertical	Pass
6**	14458.000	46.76	11.09	54.0	-7.24	AV	247.00	100	Vertical	Pass

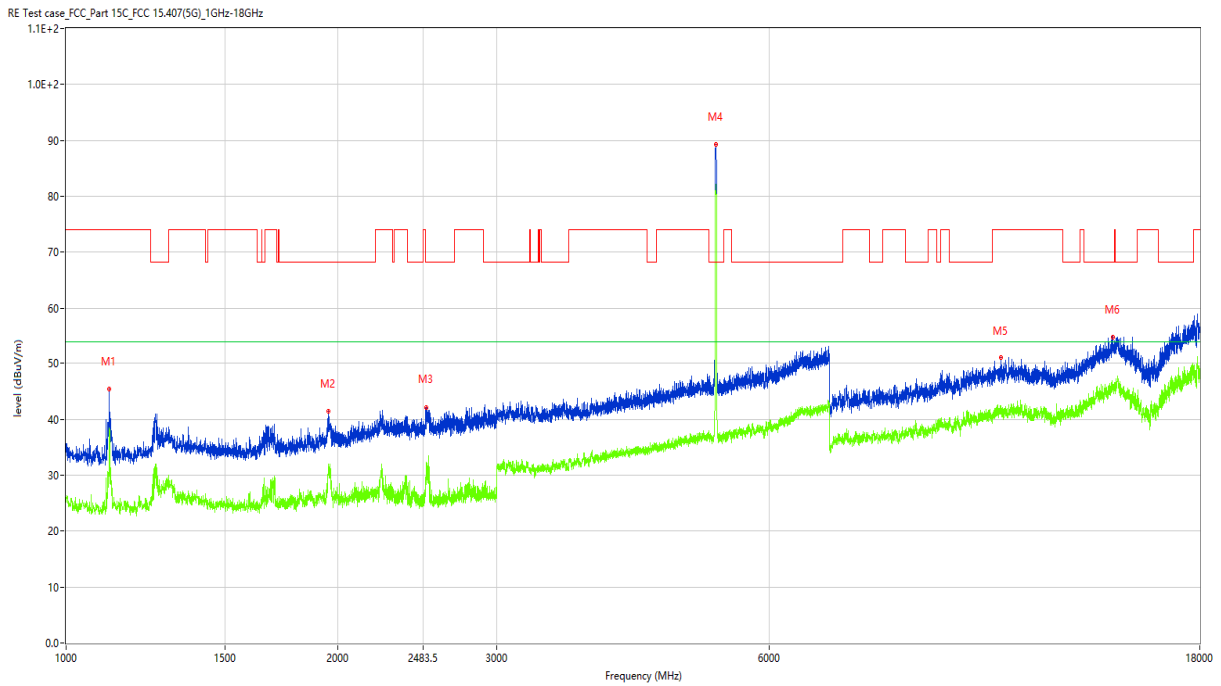
11n20, U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1119.500	43.27	-17.06	74.0	-30.73	Peak	302.00	100	Horizontal	Pass
1**	1119.500	34.35	-17.06	54.0	-19.65	AV	302.00	100	Horizontal	Pass
2	2185.000	41.01	-12.54	68.2	-27.19	Peak	2.00	100	Horizontal	Pass
2**	2185.000	25.98	-12.54	54.0	-28.02	AV	2.00	100	Horizontal	Pass
3	4175.000	45.92	-4.07	74.0	-28.08	Peak	206.00	100	Horizontal	Pass
3**	4175.000	34.34	-4.07	54.0	-19.66	AV	206.00	100	Horizontal	Pass
4	5220.000	98.04	-1.76	68.2	29.84	Peak	189.00	100	Horizontal	N/A
4**	5220.000	91.30	-1.76	54.0	37.30	AV	189.00	100	Horizontal	N/A
5	10514.500	49.95	7.09	68.2	-18.25	Peak	133.00	100	Horizontal	Pass
5**	10514.500	40.52	7.09	54.0	-13.48	AV	133.00	100	Horizontal	Pass
6	14587.250	55.64	12.38	68.2	-12.56	Peak	114.00	100	Horizontal	Pass
6**	14587.250	46.91	12.38	54.0	-7.09	AV	114.00	100	Horizontal	Pass

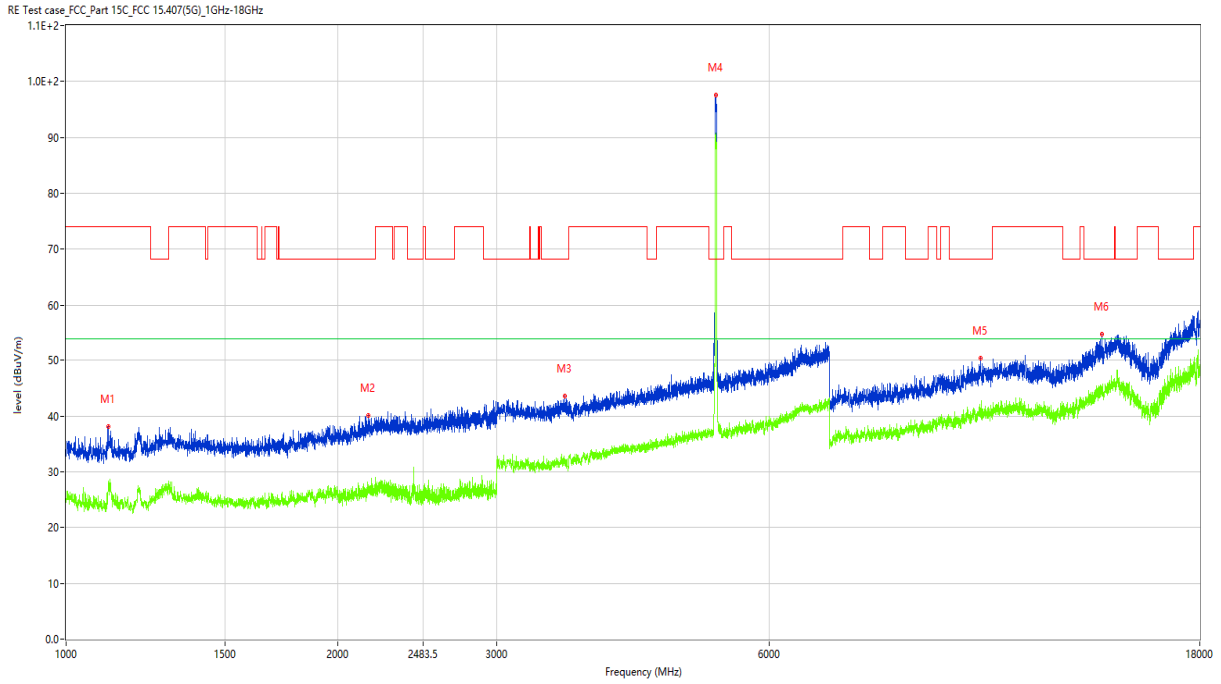


11n20, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT V



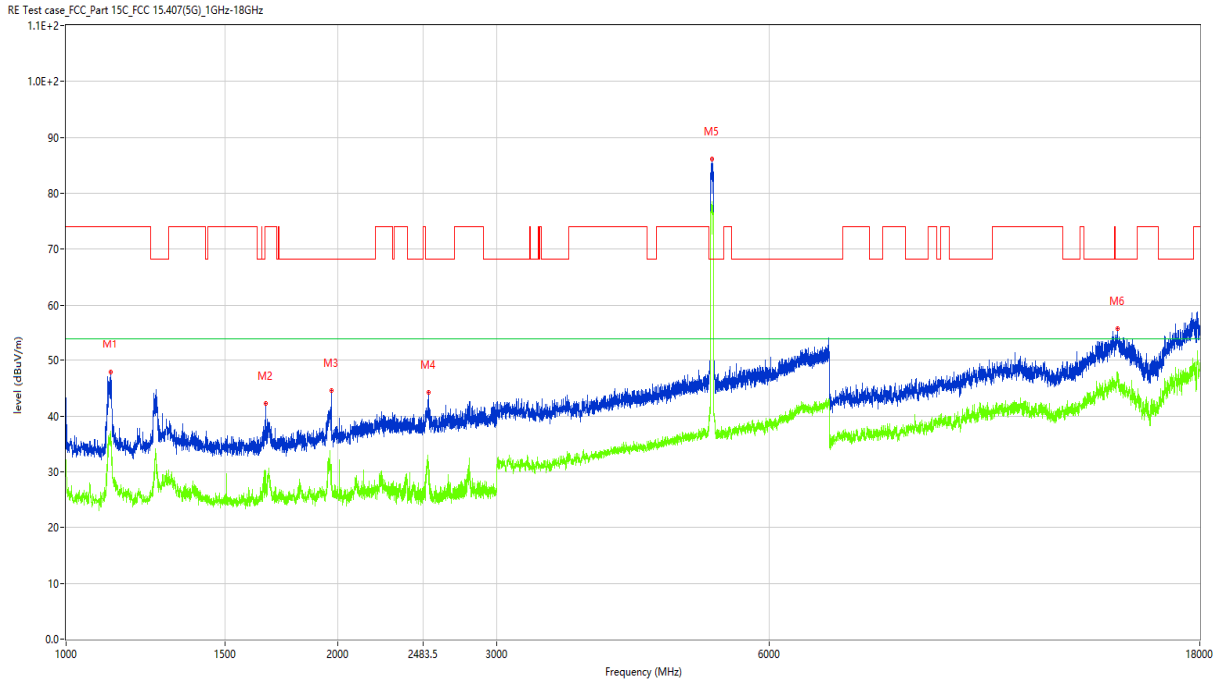
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1117.000	45.41	-17.03	74.0	-28.59	Peak	74.00	100	Vertical	Pass
1**	1117.000	38.38	-17.03	54.0	-15.62	AV	74.00	100	Vertical	Pass
2	1950.500	41.38	-14.28	68.2	-26.82	Peak	159.00	100	Vertical	Pass
2**	1950.500	30.60	-14.28	54.0	-23.40	AV	159.00	100	Vertical	Pass
3	2503.000	42.13	-11.43	68.2	-26.07	Peak	5.00	100	Vertical	Pass
3**	2503.000	29.52	-11.43	54.0	-24.48	AV	5.00	100	Vertical	Pass
4	5241.000	89.33	-2.37	68.2	21.13	Peak	250.00	100	Vertical	N/A
4**	5241.000	80.42	-2.37	54.0	26.42	AV	250.00	100	Vertical	N/A
5	10847.250	51.05	7.37	74.0	-22.95	Peak	142.00	100	Vertical	Pass
5**	10847.250	41.38	7.37	54.0	-12.62	AV	142.00	100	Vertical	Pass
6	14414.000	54.84	11.13	68.2	-13.36	Peak	124.00	100	Vertical	Pass
6**	14414.000	45.13	11.13	54.0	-8.87	AV	124.00	100	Vertical	Pass

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



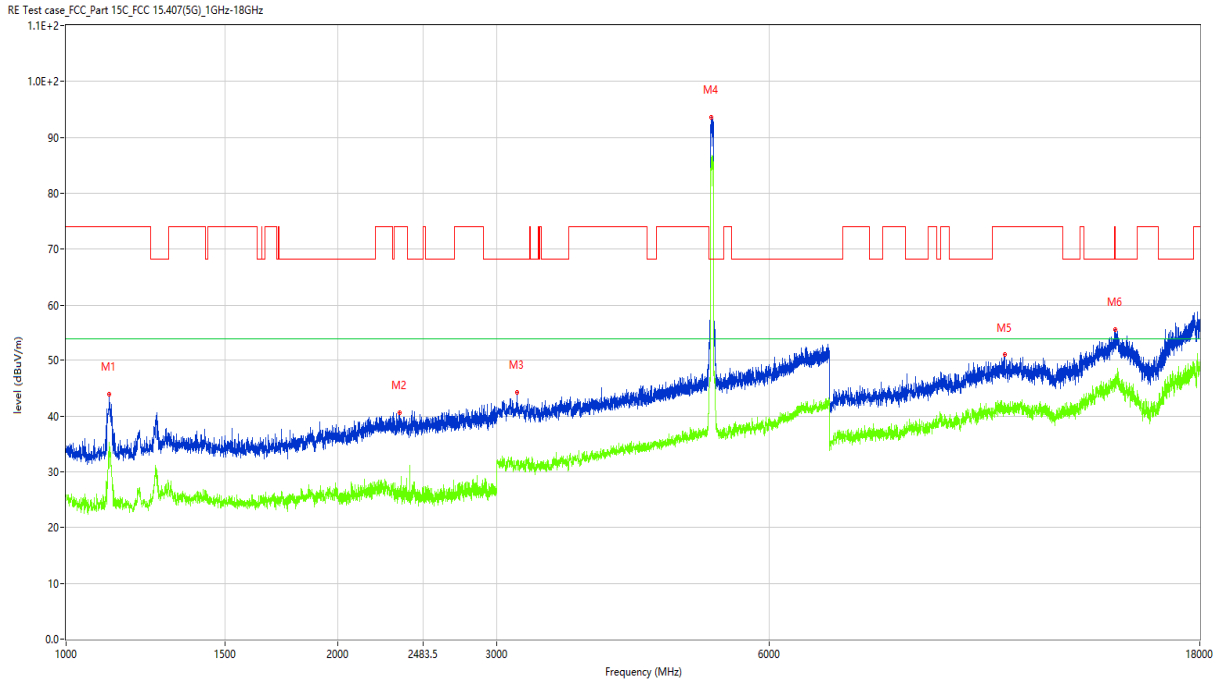
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1113.500	38.10	-17.11	74.0	-35.90	Peak	239.00	100	Horizontal	Pass
1**	1113.500	26.59	-17.11	54.0	-27.41	AV	239.00	100	Horizontal	Pass
2	2159.500	40.05	-12.78	68.2	-28.15	Peak	361.00	100	Horizontal	Pass
2**	2159.500	27.17	-12.78	54.0	-26.83	AV	361.00	100	Horizontal	Pass
3	3569.000	43.54	-5.51	68.2	-24.66	Peak	88.00	100	Horizontal	Pass
3**	3569.000	31.17	-5.51	54.0	-22.83	AV	88.00	100	Horizontal	Pass
4	5238.000	97.61	-2.37	68.2	29.41	Peak	193.00	100	Horizontal	N/A
4**	5238.000	90.32	-2.37	54.0	36.32	AV	193.00	100	Horizontal	N/A
5	10286.250	50.34	7.18	68.2	-17.86	Peak	239.00	100	Horizontal	Pass
5**	10286.250	40.56	7.18	54.0	-13.44	AV	239.00	100	Horizontal	Pass
6	14023.500	54.88	10.37	68.2	-13.32	Peak	277.00	100	Horizontal	Pass
6**	14023.500	44.98	10.37	54.0	-9.02	AV	277.00	100	Horizontal	Pass

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



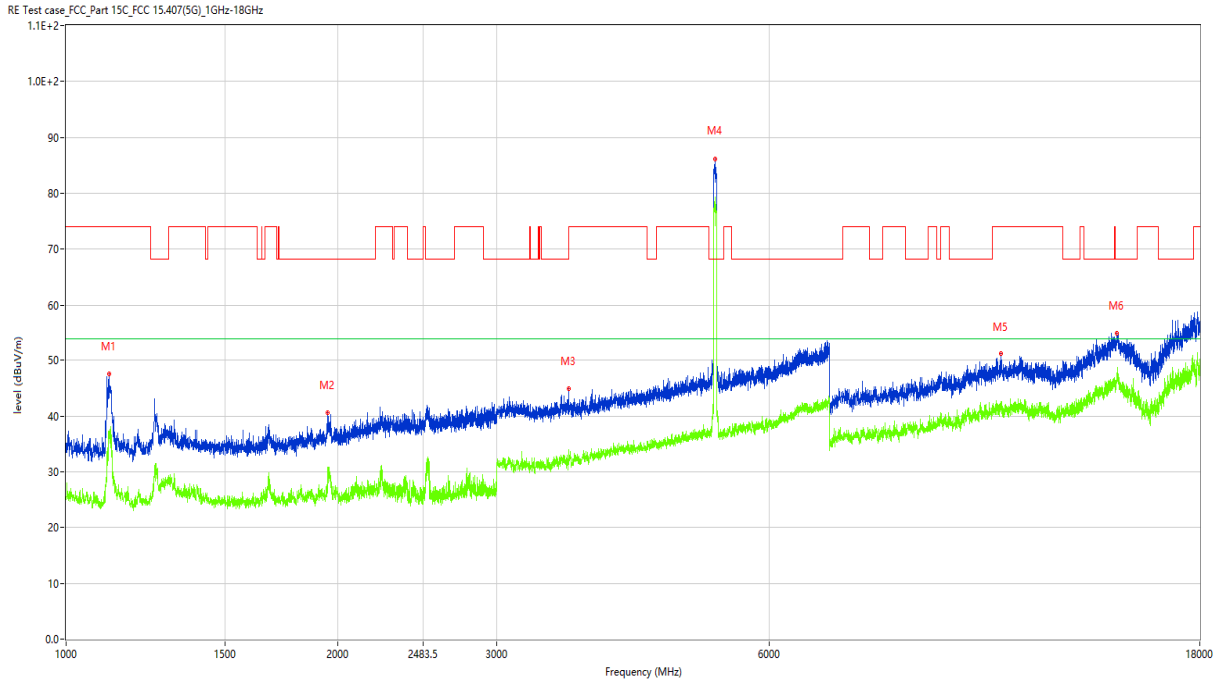
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1120.500	47.95	-17.12	74.0	-26.05	Peak	224.00	100	Vertical	Pass
1**	1120.500	36.08	-17.12	54.0	-17.92	AV	224.00	100	Vertical	Pass
2	1663.000	42.23	-16.45	74.0	-31.77	Peak	99.00	100	Vertical	Pass
2**	1663.000	26.78	-16.45	54.0	-27.22	AV	99.00	100	Vertical	Pass
3	1966.000	44.51	-14.63	68.2	-23.69	Peak	171.00	100	Vertical	Pass
3**	1966.000	28.50	-14.63	54.0	-25.50	AV	171.00	100	Vertical	Pass
4	2520.000	44.22	-11.89	68.2	-23.98	Peak	361.00	100	Vertical	Pass
4**	2520.000	31.77	-11.89	54.0	-22.23	AV	361.00	100	Vertical	Pass
5	5189.000	86.08	-2.15	68.2	17.88	Peak	242.00	100	Vertical	N/A
5**	5189.000	78.56	-2.15	54.0	24.56	AV	242.00	100	Vertical	N/A
6	14601.000	55.76	12.44	68.2	-12.44	Peak	46.00	100	Vertical	Pass
6**	14601.000	46.53	12.44	54.0	-7.47	AV	46.00	100	Vertical	Pass

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



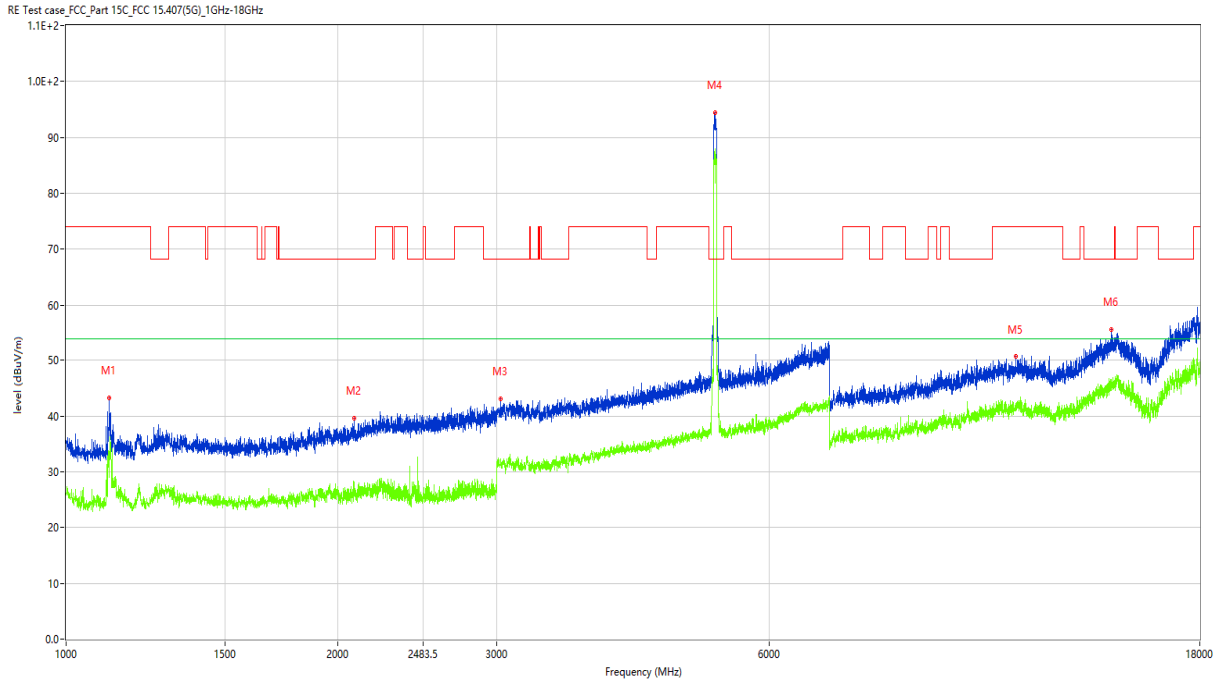
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1115.500	43.89	-17.03	74.0	-30.11	Peak	299.00	100	Horizontal	Pass
1**	1115.500	34.16	-17.03	54.0	-19.84	AV	299.00	100	Horizontal	Pass
2	2338.500	40.53	-11.82	74.0	-33.47	Peak	159.00	100	Horizontal	Pass
2**	2338.500	25.83	-11.82	54.0	-28.17	AV	159.00	100	Horizontal	Pass
3	3155.000	44.23	-7.19	68.2	-23.97	Peak	117.00	100	Horizontal	Pass
3**	3155.000	30.89	-7.19	54.0	-23.11	AV	117.00	100	Horizontal	Pass
4	5185.000	93.60	-2.01	68.2	25.40	Peak	188.00	100	Horizontal	N/A
4**	5185.000	86.53	-2.01	54.0	32.53	AV	188.00	100	Horizontal	N/A
5	10940.750	50.98	7.47	74.0	-23.02	Peak	-1.00	100	Horizontal	Pass
5**	10940.750	41.61	7.47	54.0	-12.39	AV	-1.00	100	Horizontal	Pass
6	14496.500	55.68	12.32	74.0	-18.32	Peak	48.00	100	Horizontal	Pass
6**	14496.500	46.49	12.32	54.0	-7.51	AV	48.00	100	Horizontal	Pass

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



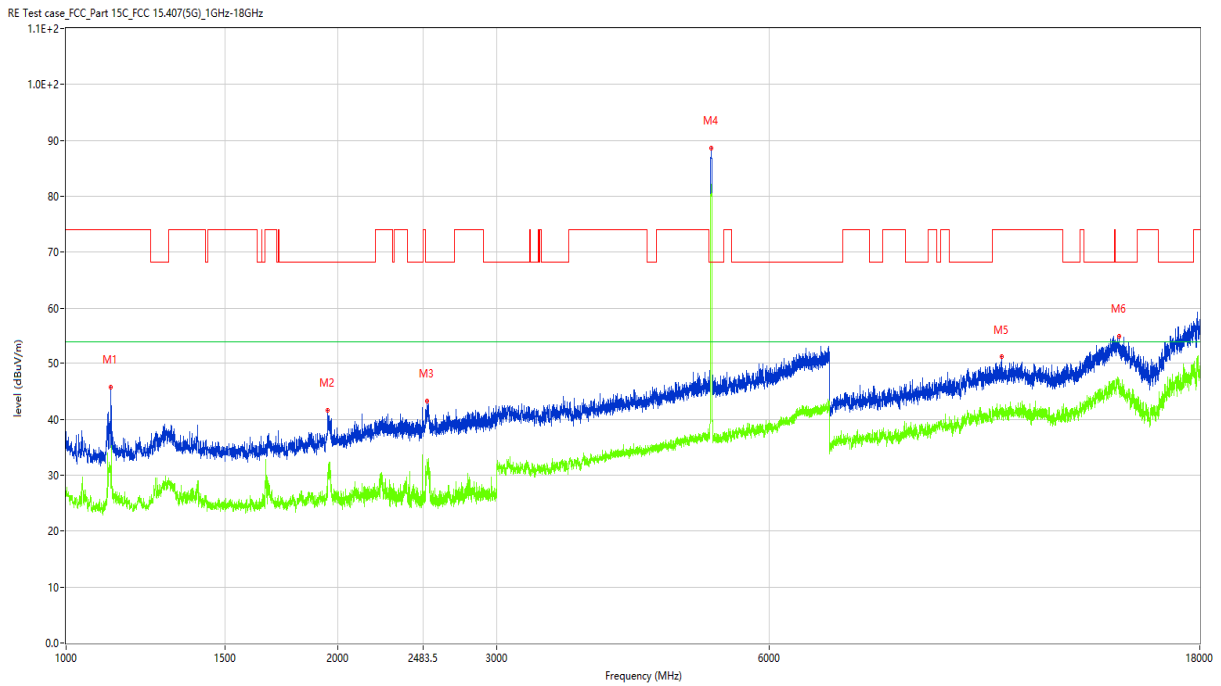
Height (cm)	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1116.500	47.49	-17.00	74.0	-26.51	Peak	223.00	100	Vertical	Pass
1**	1116.500	36.19	-17.00	54.0	-17.81	AV	223.00	100	Vertical	Pass
2	1949.000	40.52	-14.11	68.2	-27.68	Peak	187.00	100	Vertical	Pass
2**	1949.000	30.83	-14.11	54.0	-23.17	AV	187.00	100	Vertical	Pass
3	3600.000	44.88	-6.34	68.2	-23.32	Peak	210.00	100	Vertical	Pass
3**	3600.000	33.89	-6.34	54.0	-20.11	AV	210.00	100	Vertical	Pass
4	5232.000	86.23	-2.11	68.2	18.03	Peak	247.00	100	Vertical	N/A
4**	5232.000	78.23	-2.11	54.0	24.23	AV	247.00	100	Vertical	N/A
5	10850.000	51.18	7.41	74.0	-22.82	Peak	314.00	100	Vertical	Pass
5**	10850.000	42.61	7.41	54.0	-11.39	AV	314.00	100	Vertical	Pass
6	14565.250	55.01	11.68	68.2	-13.19	Peak	168.00	100	Vertical	Pass
6**	14565.250	46.49	11.68	54.0	-7.51	AV	168.00	100	Vertical	Pass

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



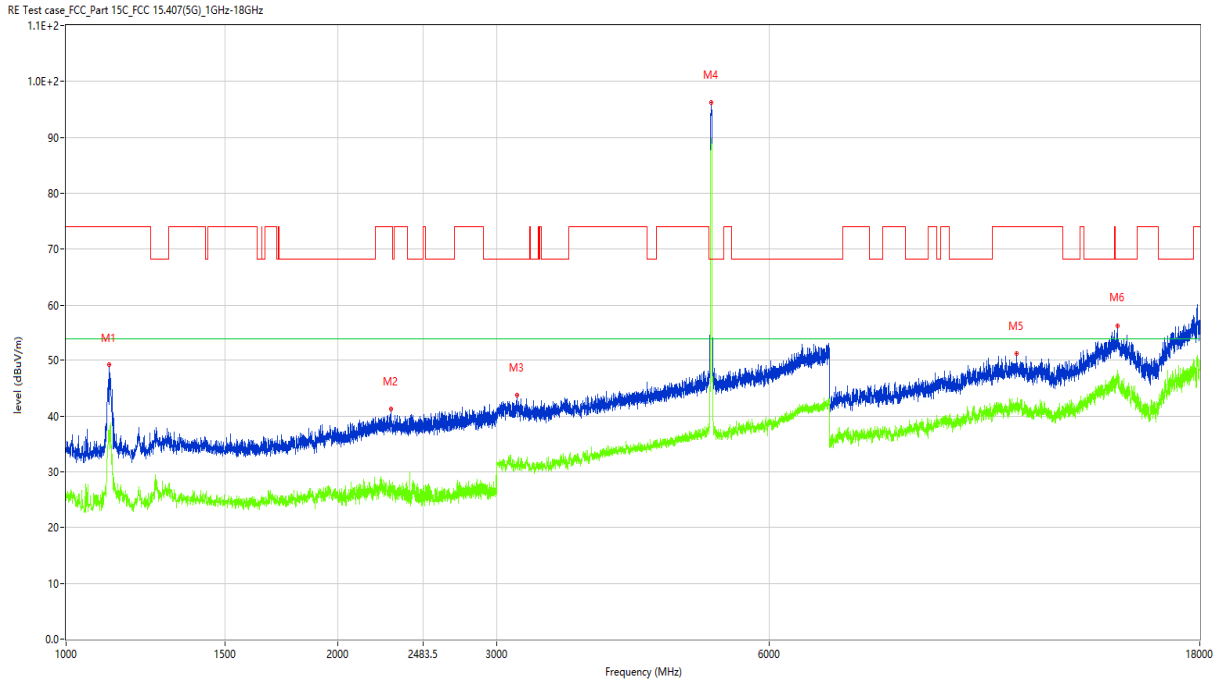
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)		Antenna	Verdict
1	1116.000	43.21	-16.99	74.0	-30.79	Peak	255.00	100	Horizontal	Pass
1**	1116.000	33.31	-16.99	54.0	-20.69	AV	255.00	100	Horizontal	Pass
2	2084.500	39.64	-13.50	68.2	-28.56	Peak	199.00	100	Horizontal	Pass
2**	2084.500	25.97	-13.50	54.0	-28.03	AV	199.00	100	Horizontal	Pass
3	3030.000	43.02	-7.96	68.2	-25.18	Peak	166.00	100	Horizontal	Pass
3**	3030.000	31.11	-7.96	54.0	-22.89	AV	166.00	100	Horizontal	Pass
4	5231.000	94.47	-2.11	68.2	26.27	Peak	184.00	100	Horizontal	N/A
4**	5231.000	81.88	-2.11	54.0	27.88	AV	184.00	100	Horizontal	N/A
5	11268.000	50.67	6.76	74.0	-23.33	Peak	85.00	100	Horizontal	Pass
5**	11268.000	41.73	6.76	54.0	-12.27	AV	85.00	100	Horizontal	Pass
6	14375.500	55.70	12.65	68.2	-12.50	Peak	141.00	100	Horizontal	Pass
6**	14375.500	45.50	12.65	54.0	-8.50	AV	141.00	100	Horizontal	Pass

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1121.500	45.74	-17.26	74.0	-28.26	Peak	1.00	100	Vertical	Pass
1**	1121.500	28.22	-17.26	54.0	-25.78	AV	1.00	100	Vertical	Pass
2	1948.500	41.58	-14.08	68.2	-26.62	Peak	165.00	100	Vertical	Pass
2**	1948.500	29.14	-14.08	54.0	-24.86	AV	165.00	100	Vertical	Pass
3	2511.000	43.19	-11.90	68.2	-25.01	Peak	361.00	100	Vertical	Pass
3**	2511.000	32.10	-11.90	54.0	-21.90	AV	361.00	100	Vertical	Pass
4	5182.000	88.56	-1.93	68.2	20.36	Peak	252.00	100	Vertical	N/A
4**	5182.000	81.96	-1.93	54.0	27.96	AV	252.00	100	Vertical	N/A
5	10858.250	51.23	7.26	74.0	-22.77	Peak	361.00	100	Vertical	Pass
5**	10858.250	41.47	7.26	54.0	-12.53	AV	361.00	100	Vertical	Pass
6	14645.000	55.02	11.90	68.2	-13.18	Peak	360.00	100	Vertical	Pass
6**	14645.000	45.80	11.90	54.0	-8.20	AV	360.00	100	Vertical	Pass

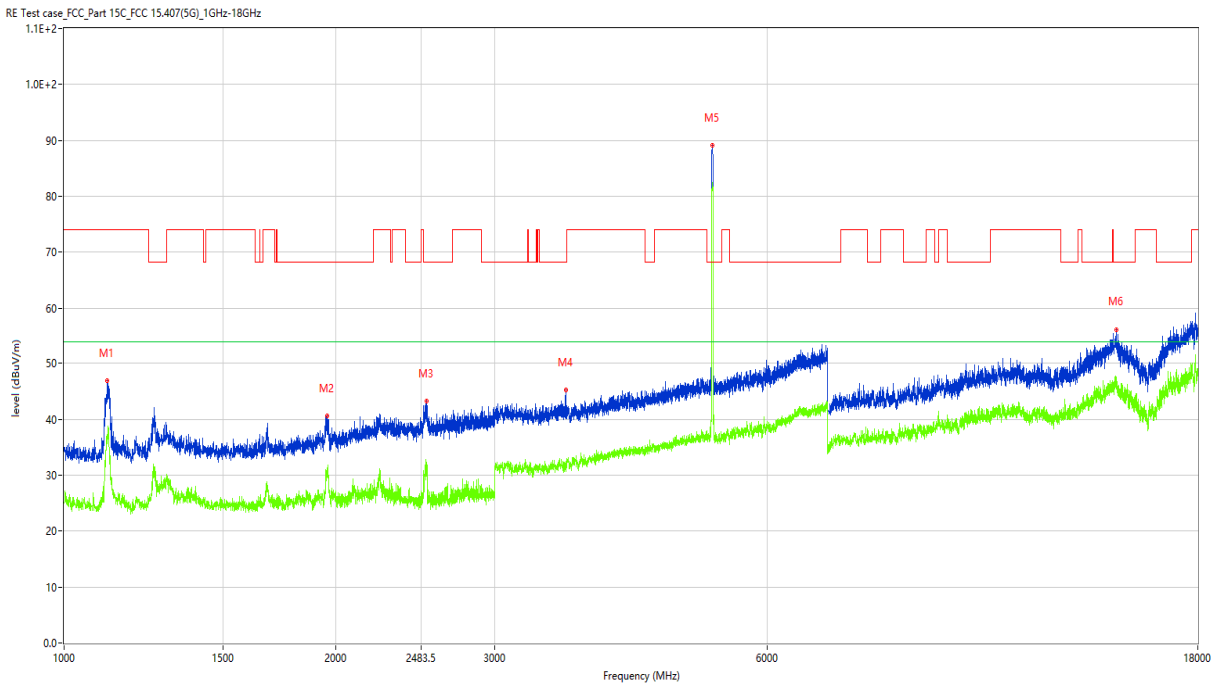
11ac20, U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1117.000	49.19	-17.03	74.0	-24.81	Peak	330.00	100	Horizontal	Pass
1**	1117.000	36.51	-17.03	54.0	-17.49	AV	330.00	100	Horizontal	Pass
2	2287.500	41.30	-12.03	74.0	-32.70	Peak	312.00	100	Horizontal	Pass
2**	2287.500	26.42	-12.03	54.0	-27.58	AV	312.00	100	Horizontal	Pass
3	3158.000	43.70	-7.06	68.2	-24.50	Peak	291.00	100	Horizontal	Pass
3**	3158.000	30.80	-7.06	54.0	-23.20	AV	291.00	100	Horizontal	Pass
4	5181.000	96.20	-1.97	68.2	28.00	Peak	216.00	100	Horizontal	N/A
4**	5181.000	87.82	-1.97	54.0	33.82	AV	216.00	100	Horizontal	N/A
5	11292.750	51.25	6.60	74.0	-22.75	Peak	87.00	100	Horizontal	Pass
5**	11292.750	41.55	6.60	54.0	-12.45	AV	87.00	100	Horizontal	Pass
6	14603.750	56.38	12.38	68.2	-11.82	Peak	181.00	100	Horizontal	Pass
6**	14603.750	47.12	12.38	54.0	-6.88	AV	181.00	100	Horizontal	Pass

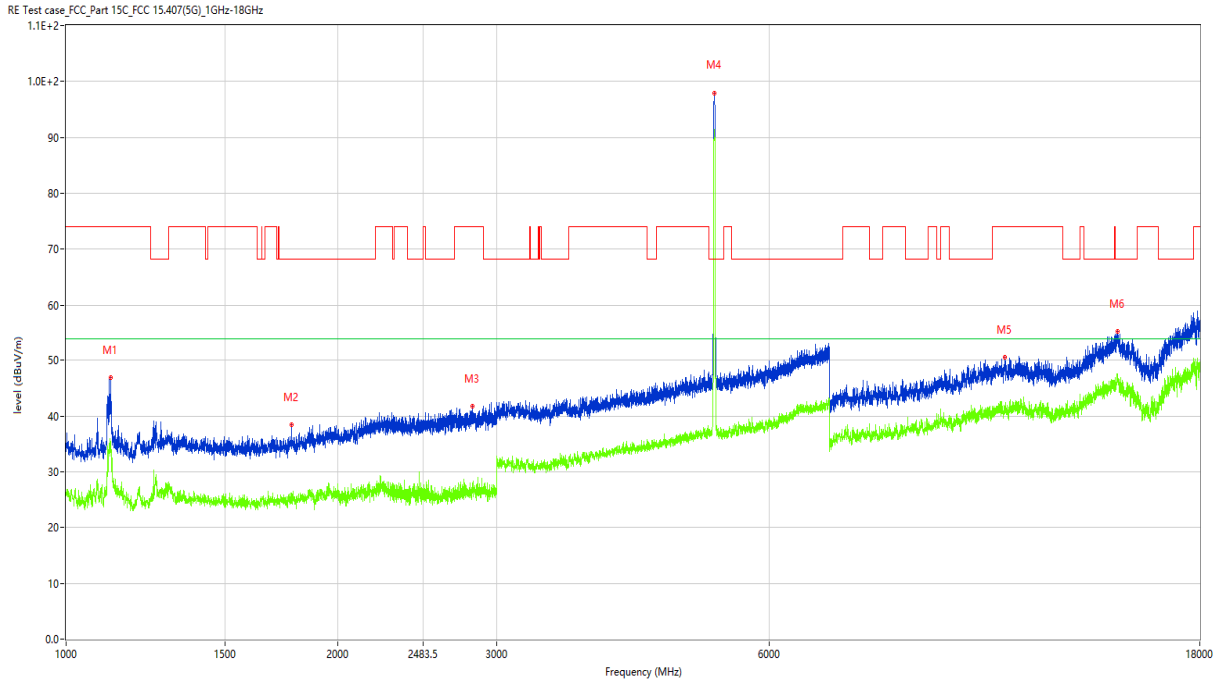


11ac20, U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT V



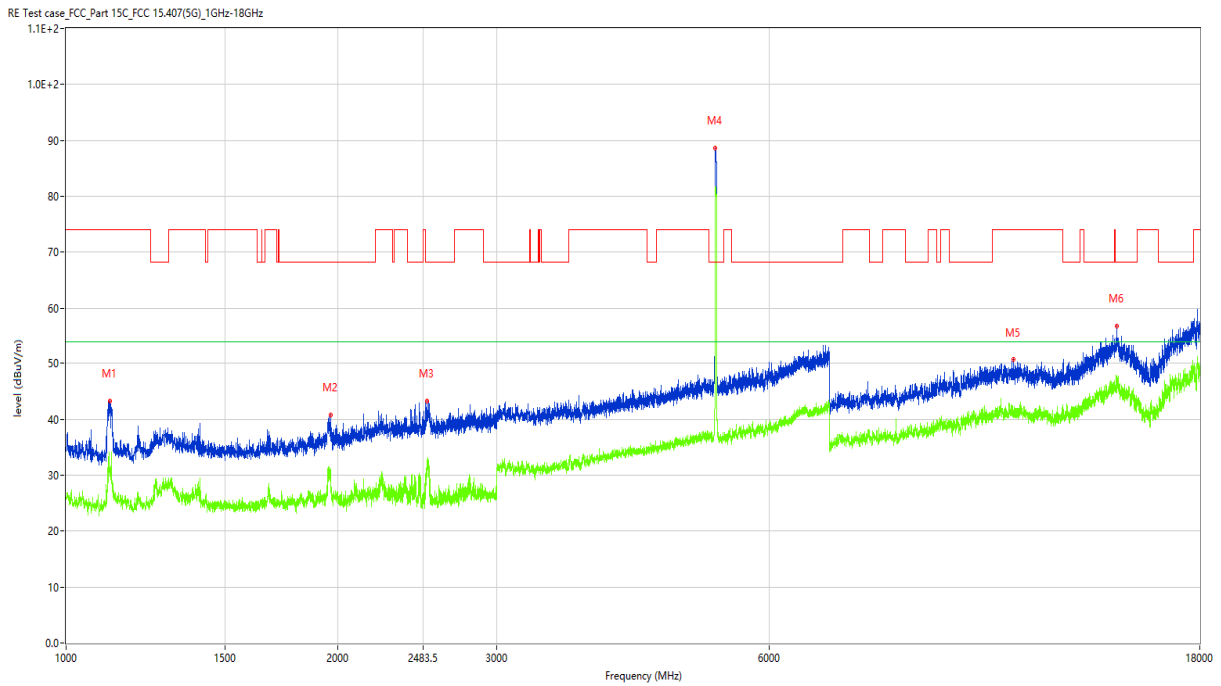
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1117.000	46.81	-17.03	74.0	-27.19	Peak	225.00	100	Vertical	Pass
1**	1117.000	36.85	-17.03	54.0	-17.15	AV	225.00	100	Vertical	Pass
2	1957.500	40.55	-14.69	68.2	-27.65	Peak	185.00	100	Vertical	Pass
2**	1957.500	30.87	-14.69	54.0	-23.13	AV	185.00	100	Vertical	Pass
3	2518.000	43.29	-11.77	68.2	-24.91	Peak	205.00	100	Vertical	Pass
3**	2518.000	31.13	-11.77	54.0	-22.87	AV	205.00	100	Vertical	Pass
4	3592.000	45.25	-6.05	68.2	-22.95	Peak	129.00	100	Vertical	Pass
4**	3592.000	31.35	-6.05	54.0	-22.65	AV	129.00	100	Vertical	Pass
5	5221.000	89.05	-1.69	68.2	20.85	Peak	247.00	100	Vertical	N/A
5**	5221.000	81.88	-1.69	54.0	27.88	AV	247.00	100	Vertical	N/A
6	14612.000	56.23	12.21	68.2	-11.97	Peak	93.00	100	Vertical	Pass
6**	14612.000	45.68	12.21	54.0	-8.32	AV	93.00	100	Vertical	Pass

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



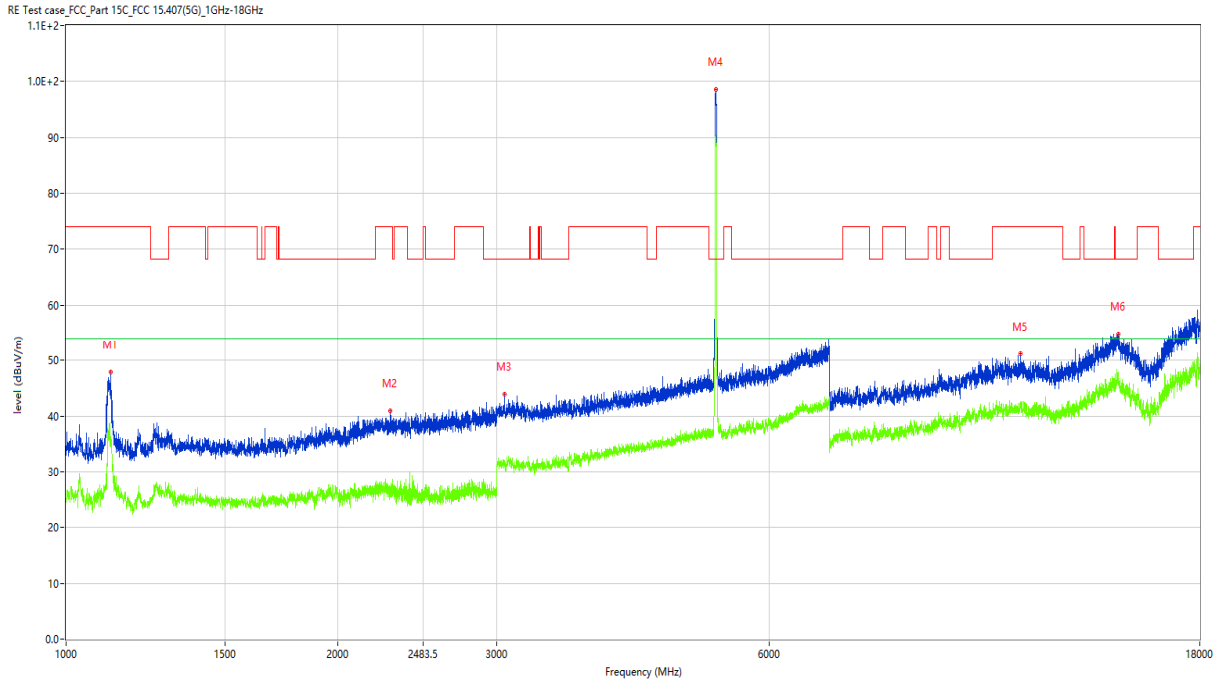
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1119.500	46.83	-17.06	74.0	-27.17	Peak	335.00	100	Horizontal	Pass
1**	1119.500	35.40	-17.06	54.0	-18.60	AV	335.00	100	Horizontal	Pass
2	1777.500	38.37	-15.48	68.2	-29.83	Peak	361.00	100	Horizontal	Pass
2**	1777.500	25.02	-15.48	54.0	-28.98	AV	361.00	100	Horizontal	Pass
3	2816.000	41.74	-9.04	74.0	-32.26	Peak	354.00	100	Horizontal	Pass
3**	2816.000	26.25	-9.04	54.0	-27.75	AV	354.00	100	Horizontal	Pass
4	5221.000	97.99	-1.69	68.2	29.79	Peak	189.00	100	Horizontal	N/A
4**	5221.000	89.58	-1.69	54.0	35.58	AV	189.00	100	Horizontal	N/A
5	10960.000	50.61	7.09	74.0	-23.39	Peak	151.00	100	Horizontal	Pass
5**	10960.000	41.03	7.09	54.0	-12.97	AV	151.00	100	Horizontal	Pass
6	14606.500	55.31	12.32	68.2	-12.89	Peak	348.00	100	Horizontal	Pass
6**	14606.500	47.29	12.32	54.0	-6.71	AV	348.00	100	Horizontal	Pass

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



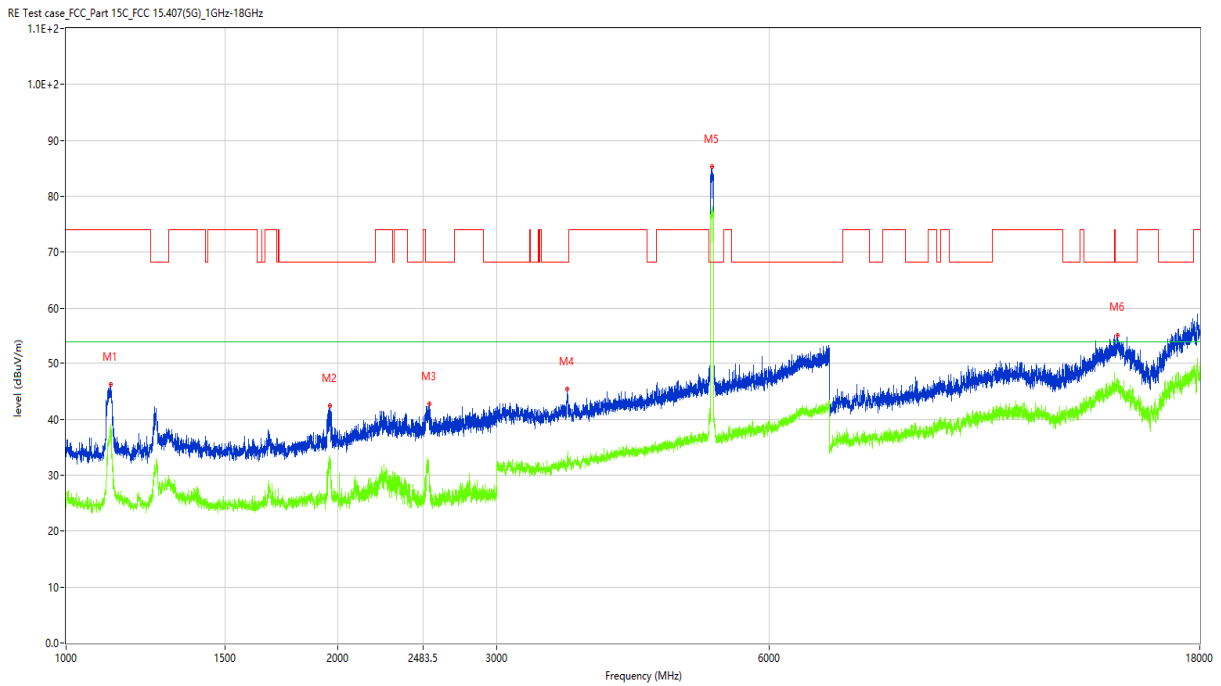
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1118.500	43.27	-17.03	74.0	-30.73	Peak	194.00	100	Vertical	Pass
1**	1118.500	30.41	-17.03	54.0	-23.59	AV	194.00	100	Vertical	Pass
2	1962.500	40.79	-14.58	68.2	-27.41	Peak	175.00	100	Vertical	Pass
2**	1962.500	28.60	-14.58	54.0	-25.40	AV	175.00	100	Vertical	Pass
3	2508.500	43.18	-11.79	68.2	-25.02	Peak	355.00	100	Vertical	Pass
3**	2508.500	31.66	-11.79	54.0	-22.34	AV	355.00	100	Vertical	Pass
4	5237.000	88.61	-2.18	68.2	20.41	Peak	246.00	100	Vertical	N/A
4**	5237.000	81.01	-2.18	54.0	27.01	AV	246.00	100	Vertical	N/A
5	11182.750	50.72	7.04	74.0	-23.28	Peak	361.00	100	Vertical	Pass
5**	11182.750	40.89	7.04	54.0	-13.11	AV	361.00	100	Vertical	Pass
6	14579.000	56.86	12.16	68.2	-11.34	Peak	217.00	100	Vertical	Pass
6**	14579.000	46.61	12.16	54.0	-7.39	AV	217.00	100	Vertical	Pass

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



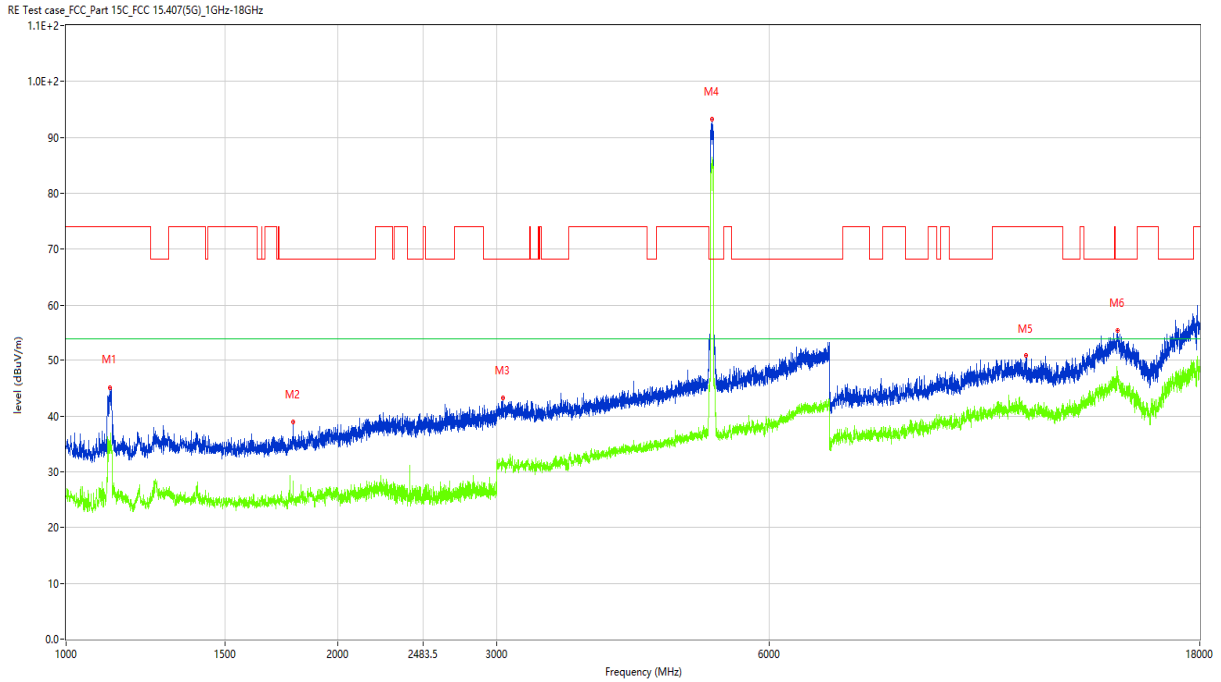
No.	Frequency (MHz)	Results (dBUV/m)	Factor (dB)	Limit (dBUV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1120.500	47.83	-17.12	74.0	-26.17	Peak	265.00	100	Horizontal	Pass
1**	1120.500	34.97	-17.12	54.0	-19.03	AV	265.00	100	Horizontal	Pass
2	2284.000	40.91	-12.16	74.0	-33.09	Peak	0.00	100	Horizontal	Pass
2**	2284.000	26.45	-12.16	54.0	-27.55	AV	0.00	100	Horizontal	Pass
3	3057.000	43.87	-6.47	68.2	-24.33	Peak	361.00	100	Horizontal	Pass
3**	3057.000	31.30	-6.47	54.0	-22.70	AV	361.00	100	Horizontal	Pass
4	5242.000	98.54	-2.59	68.2	30.34	Peak	192.00	100	Horizontal	N/A
4**	5242.000	89.79	-2.59	54.0	35.79	AV	192.00	100	Horizontal	N/A
5	11402.750	51.11	7.15	74.0	-22.89	Peak	147.00	100	Horizontal	Pass
5**	11402.750	42.18	7.15	54.0	-11.82	AV	147.00	100	Horizontal	Pass
6	14631.250	54.83	12.01	68.2	-13.37	Peak	227.00	100	Horizontal	Pass
6**	14631.250	46.40	12.01	54.0	-7.60	AV	227.00	100	Horizontal	Pass

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



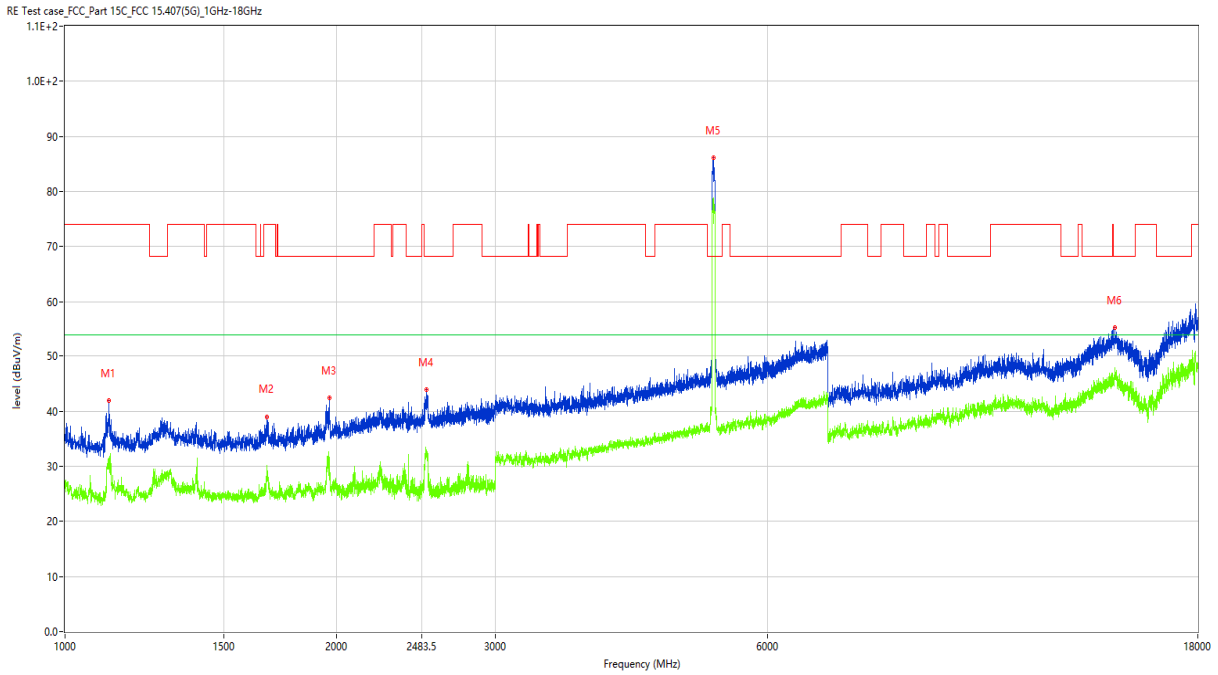
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1119.500	46.17	-17.06	74.0	-27.83	Peak	203.00	100	Vertical	Pass
1**	1119.500	39.12	-17.06	54.0	-14.88	AV	203.00	100	Vertical	Pass
2	1960.000	42.34	-14.77	68.2	-25.86	Peak	163.00	100	Vertical	Pass
2**	1960.000	31.68	-14.77	54.0	-22.32	AV	163.00	100	Vertical	Pass
3	2522.500	42.71	-11.82	68.2	-25.49	Peak	-1.00	100	Vertical	Pass
3**	2522.500	29.96	-11.82	54.0	-24.04	AV	-1.00	100	Vertical	Pass
4	3591.000	45.43	-5.99	68.2	-22.77	Peak	258.00	100	Vertical	Pass
4**	3591.000	31.59	-5.99	54.0	-22.41	AV	258.00	100	Vertical	Pass
5	5187.000	85.30	-2.05	68.2	17.10	Peak	258.00	100	Vertical	N/A
5**	5187.000	77.85	-2.05	54.0	23.85	AV	258.00	100	Vertical	N/A
6	14584.500	55.24	12.31	68.2	-12.96	Peak	-1.00	100	Vertical	Pass
6**	14584.500	47.24	12.31	54.0	-6.76	AV	-1.00	100	Vertical	Pass

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



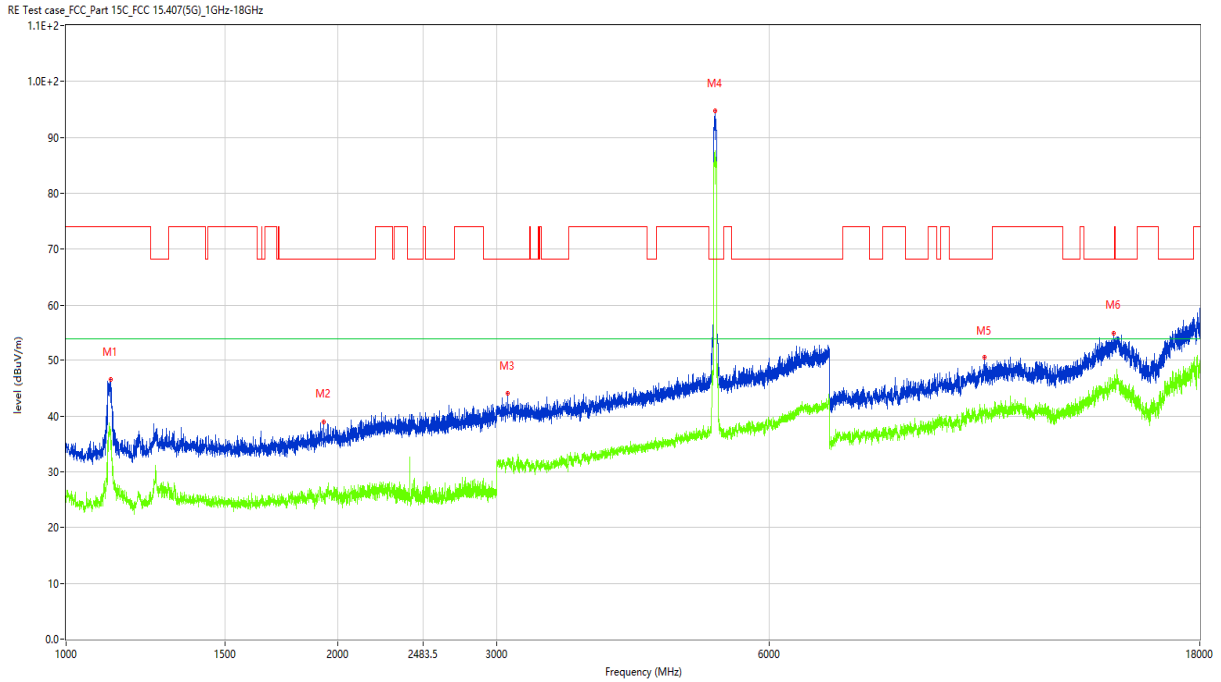
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1119.000	45.12	-16.95	74.0	-28.88	Peak	37.00	100	Horizontal	Pass
1**	1119.000	33.32	-16.95	54.0	-20.68	AV	37.00	100	Horizontal	Pass
2	1784.000	38.94	-15.32	68.2	-29.26	Peak	347.00	100	Horizontal	Pass
2**	1784.000	27.53	-15.32	54.0	-26.47	AV	347.00	100	Horizontal	Pass
3	3046.000	43.26	-7.33	68.2	-24.94	Peak	12.00	100	Horizontal	Pass
3**	3046.000	31.23	-7.33	54.0	-22.77	AV	12.00	100	Horizontal	Pass
4	5192.000	93.23	-2.42	68.2	25.03	Peak	219.00	100	Horizontal	N/A
4**	5192.000	85.33	-2.42	54.0	31.33	AV	219.00	100	Horizontal	N/A
5	11559.500	50.81	6.67	74.0	-23.19	Peak	139.00	100	Horizontal	Pass
5**	11559.500	41.43	6.67	54.0	-12.57	AV	139.00	100	Horizontal	Pass
6	14606.500	55.44	12.32	68.2	-12.76	Peak	344.00	100	Horizontal	Pass
6**	14606.500	47.17	12.32	54.0	-6.83	AV	344.00	100	Horizontal	Pass

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1119.000	41.96	-16.95	74.0	-32.04	Peak	207.00	100	Vertical	Pass
1**	1119.000	30.63	-16.95	54.0	-23.37	AV	207.00	100	Vertical	Pass
2	1672.000	38.99	-16.74	74.0	-35.01	Peak	186.00	100	Vertical	Pass
2**	1672.000	28.16	-16.74	54.0	-25.84	AV	186.00	100	Vertical	Pass
3	1963.000	42.40	-14.62	68.2	-25.80	Peak	165.00	100	Vertical	Pass
3**	1963.000	29.72	-14.62	54.0	-24.28	AV	165.00	100	Vertical	Pass
4	2514.500	43.93	-11.55	68.2	-24.27	Peak	360.00	100	Vertical	Pass
4**	2514.500	31.97	-11.55	54.0	-22.03	AV	360.00	100	Vertical	Pass
5	5227.000	86.11	-1.94	68.2	17.91	Peak	261.00	100	Vertical	N/A
5**	5227.000	78.86	-1.94	54.0	24.86	AV	261.00	100	Vertical	N/A
6	14579.000	55.29	12.16	68.2	-12.91	Peak	268.00	100	Vertical	Pass
6**	14579.000	46.54	12.16	54.0	-7.46	AV	268.00	100	Vertical	Pass

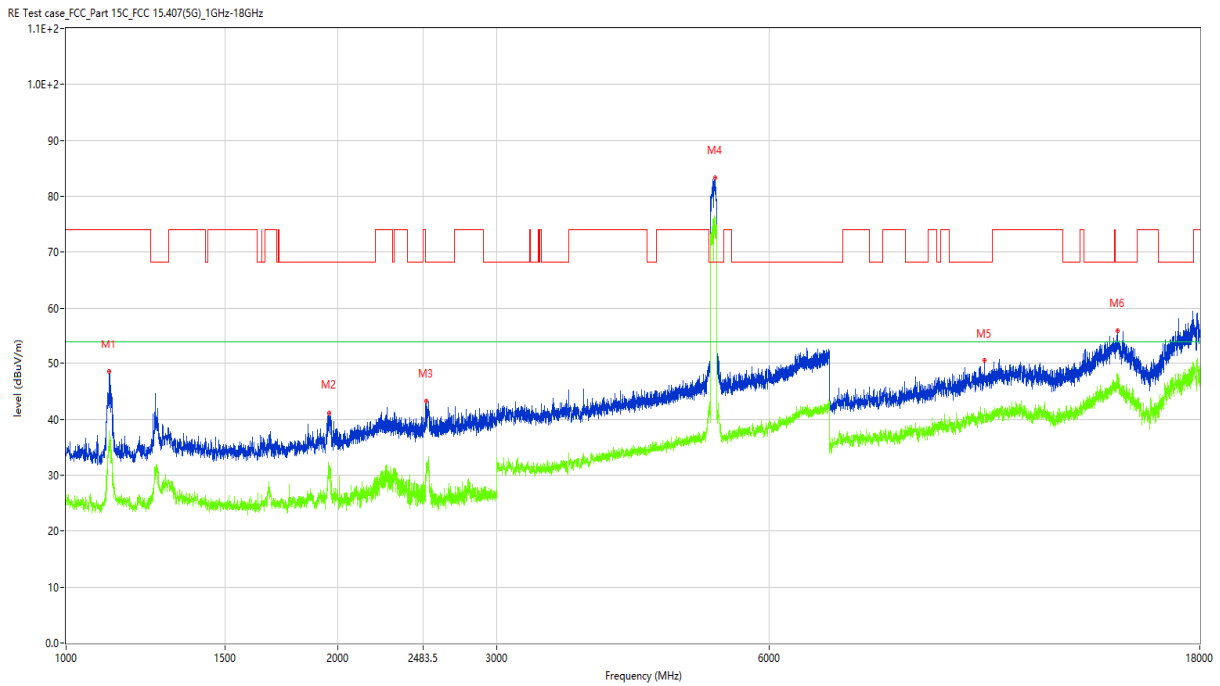
11ac40, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1121.000	46.55	-17.26	74.0	-27.45	Peak	262.00	100	Horizontal	Pass
1**	1121.000	36.47	-17.26	54.0	-17.53	AV	262.00	100	Horizontal	Pass
2	1929.500	38.99	-14.80	68.2	-29.21	Peak	200.00	100	Horizontal	Pass
2**	1929.500	26.21	-14.80	54.0	-27.79	AV	200.00	100	Horizontal	Pass
3	3084.000	44.00	-7.56	68.2	-24.20	Peak	1.00	100	Horizontal	Pass
3**	3084.000	31.97	-7.56	54.0	-22.03	AV	1.00	100	Horizontal	Pass
4	5227.000	94.79	-1.94	68.2	26.59	Peak	181.00	100	Horizontal	N/A
4**	5227.000	87.59	-1.94	54.0	33.59	AV	181.00	100	Horizontal	N/A
5	10388.000	50.46	6.95	68.2	-17.74	Peak	52.00	100	Horizontal	Pass
5**	10388.000	41.42	6.95	54.0	-12.58	AV	52.00	100	Horizontal	Pass
6	14458.000	55.07	11.09	68.2	-13.13	Peak	31.00	100	Horizontal	Pass
6**	14458.000	45.20	11.09	54.0	-8.80	AV	31.00	100	Horizontal	Pass

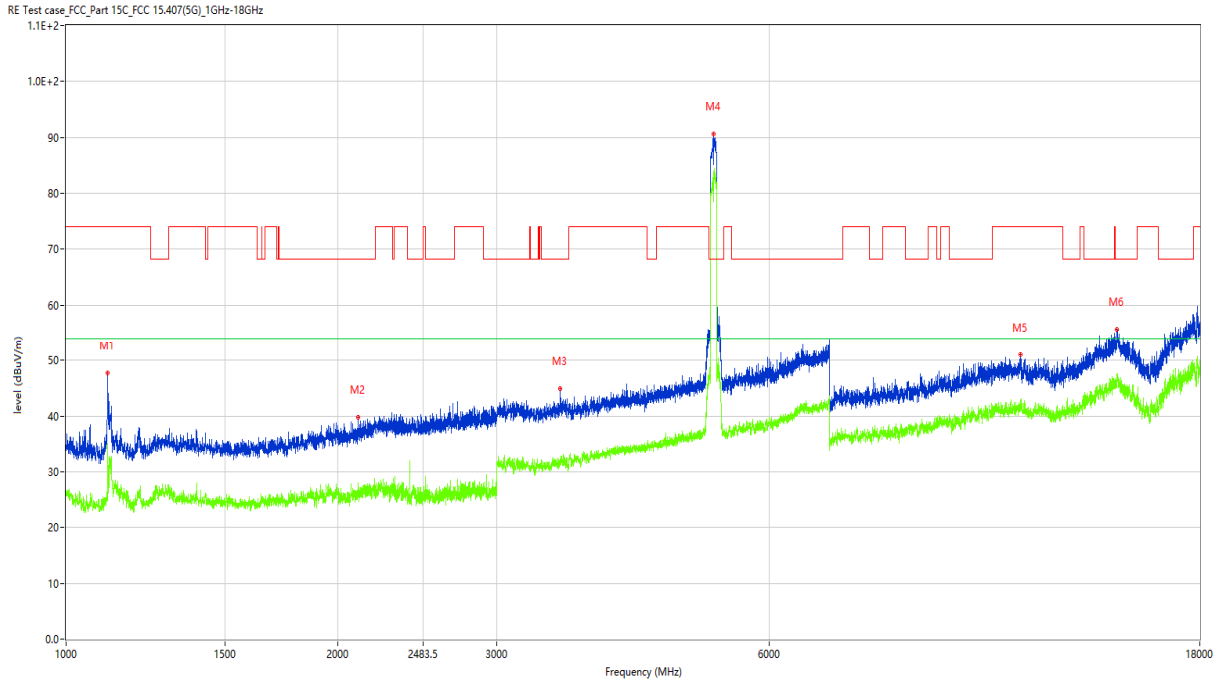


11ac80, U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT V



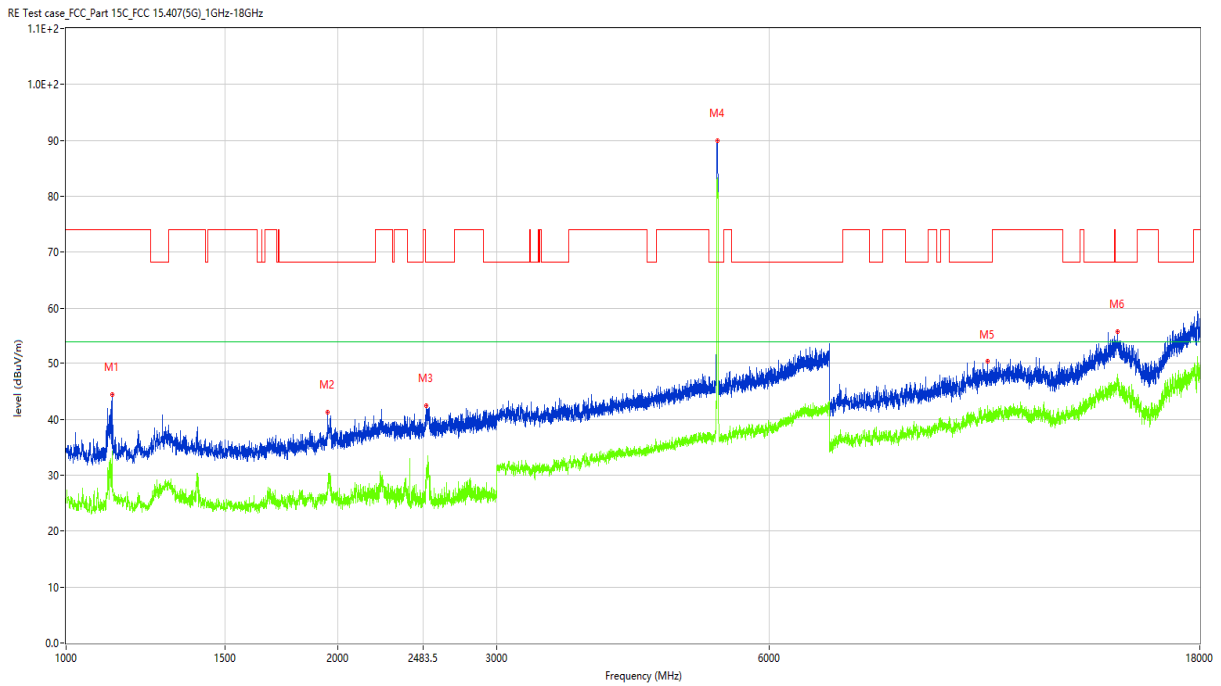
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1116.000	48.52	-16.99	74.0	-25.48	Peak	215.00	100	Vertical	Pass
1**	1116.000	35.28	-16.99	54.0	-18.72	AV	215.00	100	Vertical	Pass
2	1955.000	41.14	-14.60	68.2	-27.06	Peak	151.00	100	Vertical	Pass
2**	1955.000	29.66	-14.60	54.0	-24.34	AV	151.00	100	Vertical	Pass
3	2506.500	43.20	-11.57	68.2	-25.00	Peak	359.00	100	Vertical	Pass
3**	2506.500	32.37	-11.57	54.0	-21.63	AV	359.00	100	Vertical	Pass
4	5228.000	83.35	-2.16	68.2	15.15	Peak	251.00	100	Vertical	N/A
4**	5228.000	75.05	-2.16	54.0	21.05	AV	251.00	100	Vertical	N/A
5	10390.750	50.47	7.00	68.2	-17.73	Peak	131.00	100	Vertical	Pass
5**	10390.750	41.12	7.00	54.0	-12.88	AV	131.00	100	Vertical	Pass
6	14592.750	56.03	12.45	68.2	-12.17	Peak	358.00	100	Vertical	Pass
6**	14592.750	47.47	12.45	54.0	-6.53	AV	358.00	100	Vertical	Pass

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



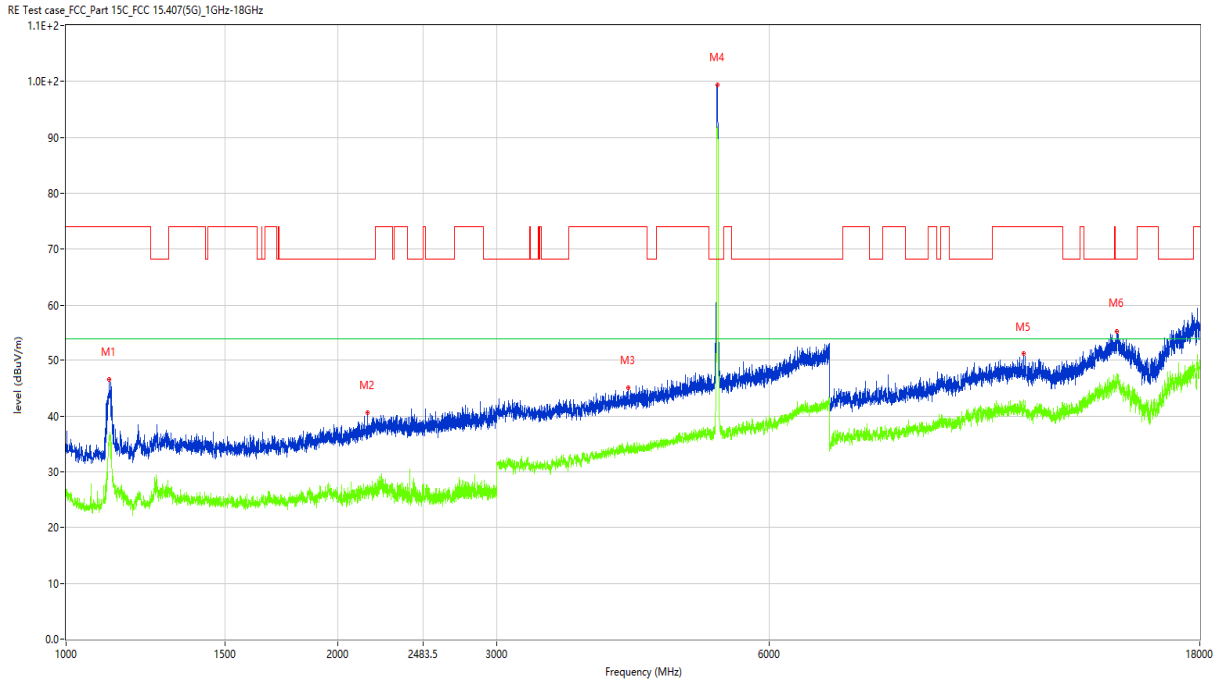
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1112.000	47.68	-17.23	74.0	-26.32	Peak	300.00	100	Horizontal	Pass
1**	1112.000	33.18	-17.23	54.0	-20.82	AV	300.00	100	Horizontal	Pass
2	2107.000	39.72	-13.00	68.2	-28.48	Peak	212.00	100	Horizontal	Pass
2**	2107.000	27.66	-13.00	54.0	-26.34	AV	212.00	100	Horizontal	Pass
3	3522.000	44.85	-6.78	68.2	-23.35	Peak	-1.00	100	Horizontal	Pass
3**	3522.000	31.32	-6.78	54.0	-22.68	AV	-1.00	100	Horizontal	Pass
4	5214.000	90.58	-2.00	68.2	22.38	Peak	193.00	100	Horizontal	N/A
4**	5214.000	82.97	-2.00	54.0	28.97	AV	193.00	100	Horizontal	N/A
5	11405.500	50.95	7.12	74.0	-23.05	Peak	82.00	100	Horizontal	Pass
5**	11405.500	42.94	7.12	54.0	-11.06	AV	82.00	100	Horizontal	Pass
6	14573.500	55.68	11.96	68.2	-12.52	Peak	232.00	100	Horizontal	Pass
6**	14573.500	46.51	11.96	54.0	-7.49	AV	232.00	100	Horizontal	Pass

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



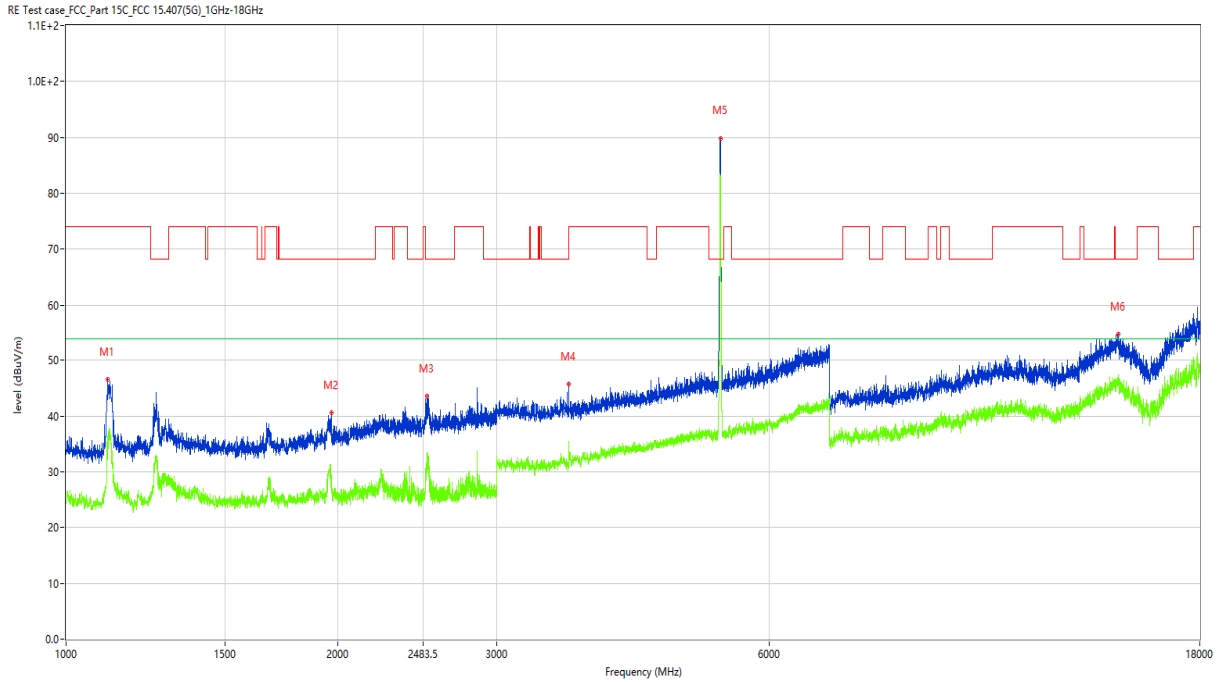
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1125.000	44.38	-17.02	74.0	-29.62	Peak	218.00	100	Vertical	Pass
1**	1125.000	34.37	-17.02	54.0	-19.63	AV	218.00	100	Vertical	Pass
2	1948.000	41.24	-14.03	68.2	-26.96	Peak	173.00	100	Vertical	Pass
2**	1948.000	28.55	-14.03	54.0	-25.45	AV	173.00	100	Vertical	Pass
3	2503.000	42.37	-11.43	68.2	-25.83	Peak	352.00	100	Vertical	Pass
3**	2503.000	30.23	-11.43	54.0	-23.77	AV	352.00	100	Vertical	Pass
4	5261.000	89.90	-2.32	68.2	21.70	Peak	255.00	100	Vertical	N/A
4**	5261.000	79.71	-2.32	54.0	25.71	AV	255.00	100	Vertical	N/A
5	10478.750	50.40	7.01	68.2	-17.80	Peak	84.00	100	Vertical	Pass
5**	10478.750	39.58	7.01	54.0	-14.42	AV	84.00	100	Vertical	Pass
6	14592.750	55.88	12.45	68.2	-12.32	Peak	361.00	100	Vertical	Pass
6**	14592.750	46.88	12.45	54.0	-7.12	AV	361.00	100	Vertical	Pass

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



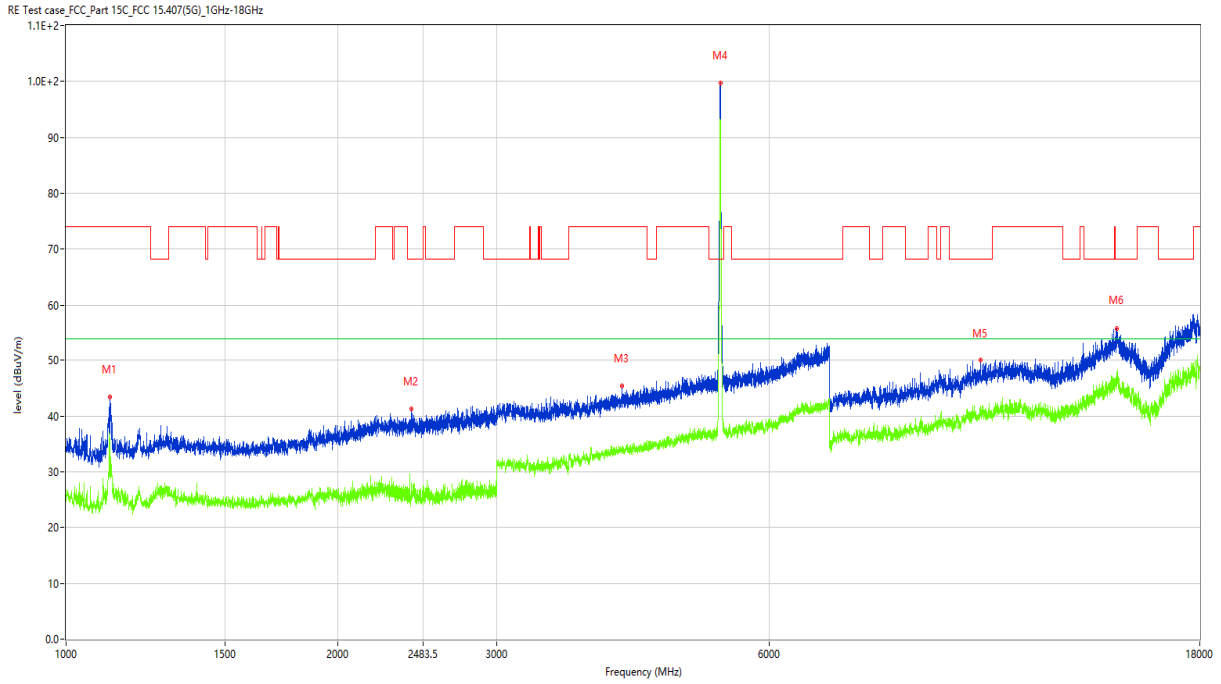
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1116.000	46.56	-16.99	74.0	-27.44	Peak	41.00	100	Horizontal	Pass
1**	1116.000	34.56	-16.99	54.0	-19.44	AV	41.00	100	Horizontal	Pass
2	2157.000	40.58	-12.92	68.2	-27.62	Peak	358.00	100	Horizontal	Pass
2**	2157.000	26.35	-12.92	54.0	-27.65	AV	358.00	100	Horizontal	Pass
3	4188.000	44.98	-4.08	74.0	-29.02	Peak	279.00	100	Horizontal	Pass
3**	4188.000	34.79	-4.08	54.0	-19.21	AV	279.00	100	Horizontal	Pass
4	5259.000	99.40	-2.19	68.2	31.20	Peak	192.00	100	Horizontal	N/A
4**	5259.000	91.94	-2.19	54.0	37.94	AV	192.00	100	Horizontal	N/A
5	11493.500	51.17	7.67	74.0	-22.83	Peak	17.00	100	Horizontal	Pass
5**	11493.500	41.27	7.67	54.0	-12.73	AV	17.00	100	Horizontal	Pass
6	14581.750	55.41	12.24	68.2	-12.79	Peak	-1.00	100	Horizontal	Pass
6**	14581.750	45.92	12.24	54.0	-8.08	AV	-1.00	100	Horizontal	Pass

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



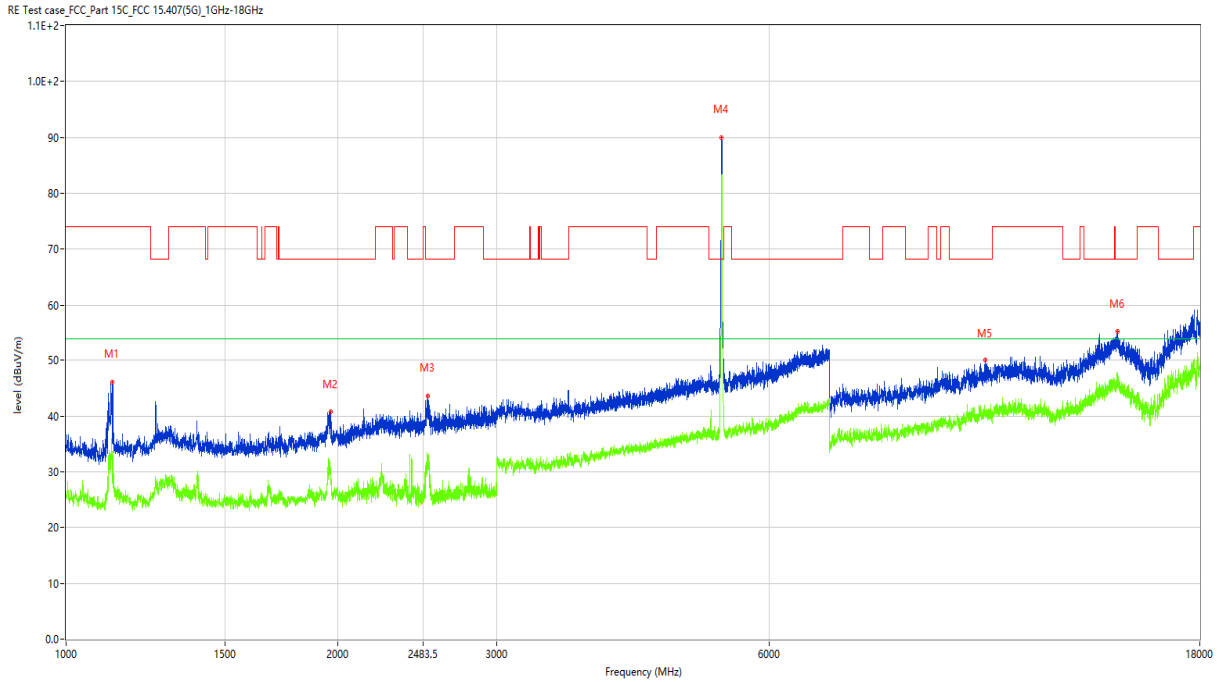
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1111.500	46.49	-17.13	74.0	-27.51	Peak	318.00	100	Vertical	Pass
1**	1111.500	32.16	-17.13	54.0	-21.84	AV	318.00	100	Vertical	Pass
2	1968.000	40.60	-14.87	68.2	-27.60	Peak	164.00	100	Vertical	Pass
2**	1968.000	26.84	-14.87	54.0	-27.16	AV	164.00	100	Vertical	Pass
3	2510.000	43.60	-11.97	68.2	-24.60	Peak	357.00	100	Vertical	Pass
3**	2510.000	31.21	-11.97	54.0	-22.79	AV	357.00	100	Vertical	Pass
4	3600.000	45.66	-6.34	68.2	-22.54	Peak	218.00	100	Vertical	Pass
4**	3600.000	35.53	-6.34	54.0	-18.47	AV	218.00	100	Vertical	Pass
5	5301.000	89.84	-2.38	68.2	21.64	Peak	262.00	100	Vertical	N/A
5**	5301.000	81.45	-2.38	54.0	27.45	AV	262.00	100	Vertical	N/A
6	14639.500	54.87	12.00	68.2	-13.33	Peak	52.00	100	Vertical	Pass
6**	14639.500	46.44	12.00	54.0	-7.56	AV	52.00	100	Vertical	Pass

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



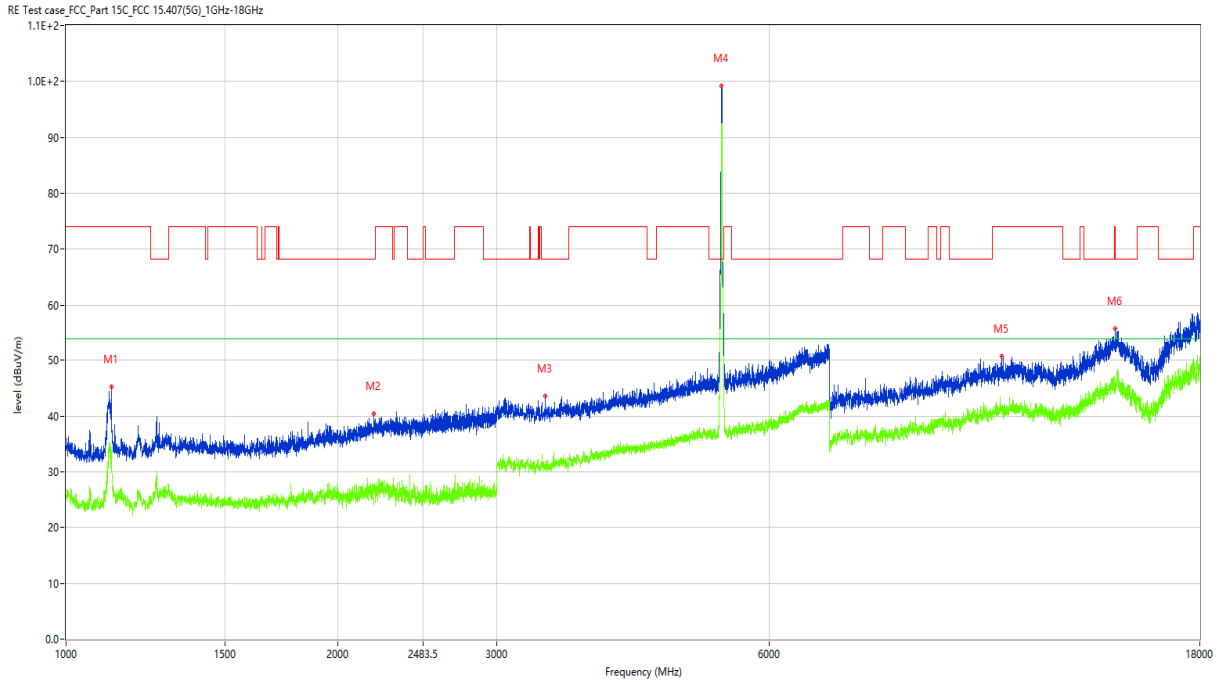
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1118.000	43.39	-16.99	74.0	-30.61	Peak	340.00	100	Horizontal	Pass
1**	1118.000	32.72	-16.99	54.0	-21.28	AV	340.00	100	Horizontal	Pass
2	2412.500	41.22	-11.53	68.2	-26.98	Peak	272.00	100	Horizontal	Pass
2**	2412.500	28.05	-11.53	54.0	-25.95	AV	272.00	100	Horizontal	Pass
3	4122.000	45.35	-4.51	74.0	-28.65	Peak	274.00	100	Horizontal	Pass
3**	4122.000	34.08	-4.51	54.0	-19.92	AV	274.00	100	Horizontal	Pass
4	5302.000	99.77	-2.07	68.2	31.57	Peak	185.00	100	Horizontal	N/A
4**	5302.000	93.15	-2.07	54.0	39.15	AV	185.00	100	Horizontal	N/A
5	10300.000	49.99	7.46	68.2	-18.21	Peak	361.00	100	Horizontal	Pass
5**	10300.000	41.21	7.46	54.0	-12.79	AV	361.00	100	Horizontal	Pass
6	14579.000	55.89	12.16	68.2	-12.31	Peak	130.00	100	Horizontal	Pass
6**	14579.000	45.77	12.16	54.0	-8.23	AV	130.00	100	Horizontal	Pass

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1124.500	46.14	-17.03	74.0	-27.86	Peak	232.00	100	Vertical	Pass
1**	1124.500	29.53	-17.03	54.0	-24.47	AV	232.00	100	Vertical	Pass
2	1963.500	40.77	-14.53	68.2	-27.43	Peak	161.00	100	Vertical	Pass
2**	1963.500	29.03	-14.53	54.0	-24.97	AV	161.00	100	Vertical	Pass
3	2512.500	43.63	-11.68	68.2	-24.57	Peak	361.00	100	Vertical	Pass
3**	2512.500	32.13	-11.68	54.0	-21.87	AV	361.00	100	Vertical	Pass
4	5319.000	90.03	-2.24	68.2	21.83	Peak	247.00	100	Vertical	N/A
4**	5319.000	82.72	-2.24	54.0	28.72	AV	247.00	100	Vertical	N/A
5	10426.500	50.04	6.75	68.2	-18.16	Peak	304.00	100	Vertical	Pass
5**	10426.500	40.70	6.75	54.0	-13.30	AV	304.00	100	Vertical	Pass
6	14601.000	55.35	12.44	68.2	-12.85	Peak	113.00	100	Vertical	Pass
6**	14601.000	47.71	12.44	54.0	-6.29	AV	113.00	100	Vertical	Pass

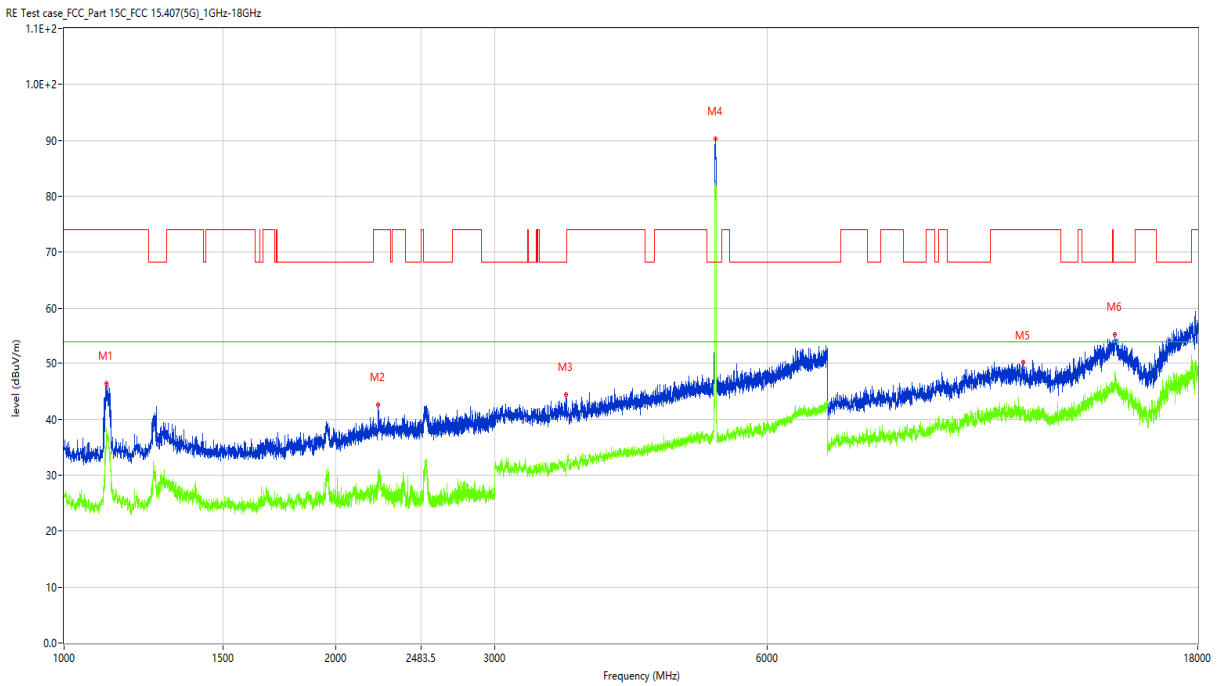
11a, U-NII-2A, 1 GHz to 18 GHz, High Channel, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1122.500	45.26	-17.33	74.0	-28.74	Peak	40.00	100	Horizontal	Pass
1**	1122.500	32.22	-17.33	54.0	-21.78	AV	40.00	100	Horizontal	Pass
2	2190.000	40.42	-12.70	68.2	-27.78	Peak	224.00	100	Horizontal	Pass
2**	2190.000	23.96	-12.70	54.0	-30.04	AV	224.00	100	Horizontal	Pass
3	3393.000	43.53	-7.16	68.2	-24.67	Peak	109.00	100	Horizontal	Pass
3**	3393.000	31.02	-7.16	54.0	-22.98	AV	109.00	100	Horizontal	Pass
4	5321.000	99.20	-2.03	68.2	31.00	Peak	202.00	100	Horizontal	N/A
4**	5321.000	91.65	-2.03	54.0	37.65	AV	202.00	100	Horizontal	N/A
5	10852.750	50.75	7.36	74.0	-23.25	Peak	297.00	100	Horizontal	Pass
5**	10852.750	41.16	7.36	54.0	-12.84	AV	297.00	100	Horizontal	Pass
6	14499.250	55.81	12.37	74.0	-18.19	Peak	181.00	100	Horizontal	Pass
6**	14499.250	45.89	12.37	54.0	-8.11	AV	181.00	100	Horizontal	Pass

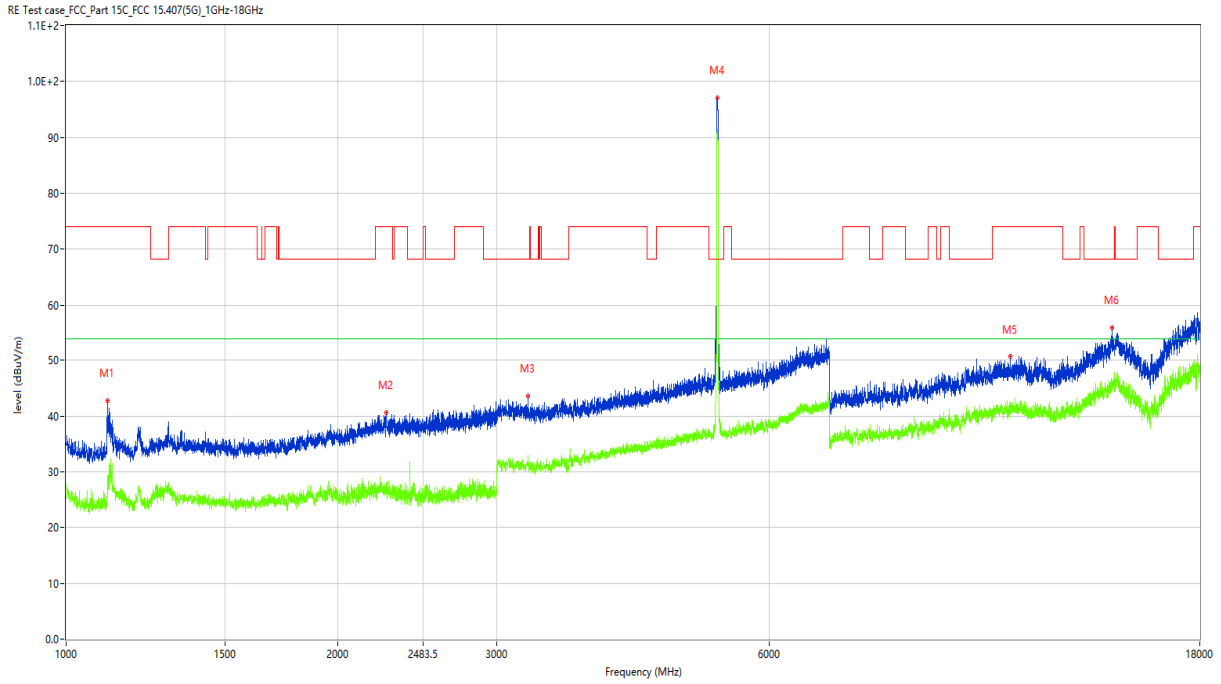


11n20, U-NII-2A, 1 GHz to 18 GHz, Low Channel, ANT V



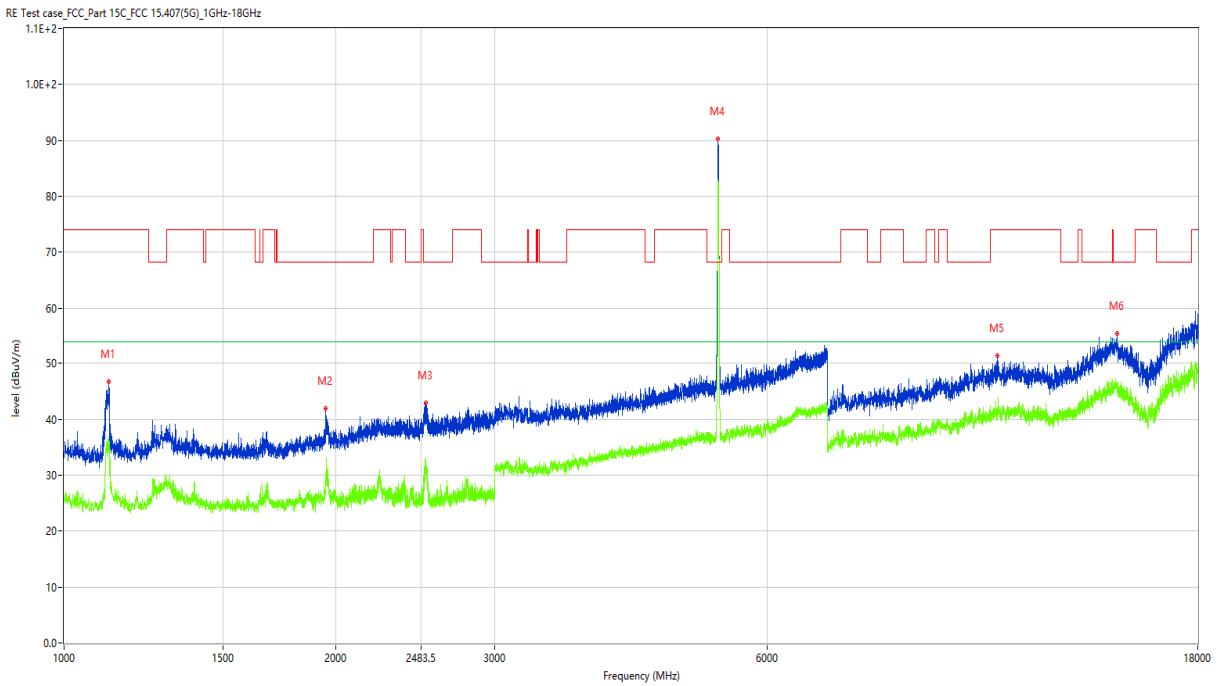
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1114.000	46.40	-17.02	74.0	-27.60	Peak	80.00	100	Vertical	Pass
1**	1114.000	37.54	-17.02	54.0	-16.46	AV	80.00	100	Vertical	Pass
2	2228.000	42.52	-12.44	74.0	-31.48	Peak	175.00	100	Vertical	Pass
2**	2228.000	27.58	-12.44	54.0	-26.42	AV	175.00	100	Vertical	Pass
3	3598.000	44.40	-6.50	68.2	-23.80	Peak	256.00	100	Vertical	Pass
3**	3598.000	30.73	-6.50	54.0	-23.27	AV	256.00	100	Vertical	Pass
4	5259.000	90.27	-2.19	68.2	22.07	Peak	256.00	100	Vertical	N/A
4**	5259.000	82.52	-2.19	54.0	28.52	AV	256.00	100	Vertical	N/A
5	11532.000	50.23	7.06	74.0	-23.77	Peak	35.00	100	Vertical	Pass
5**	11532.000	41.65	7.06	54.0	-12.35	AV	35.00	100	Vertical	Pass
6	14573.500	55.29	11.96	68.2	-12.91	Peak	-1.00	100	Vertical	Pass
6**	14573.500	46.38	11.96	54.0	-7.62	AV	-1.00	100	Vertical	Pass

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



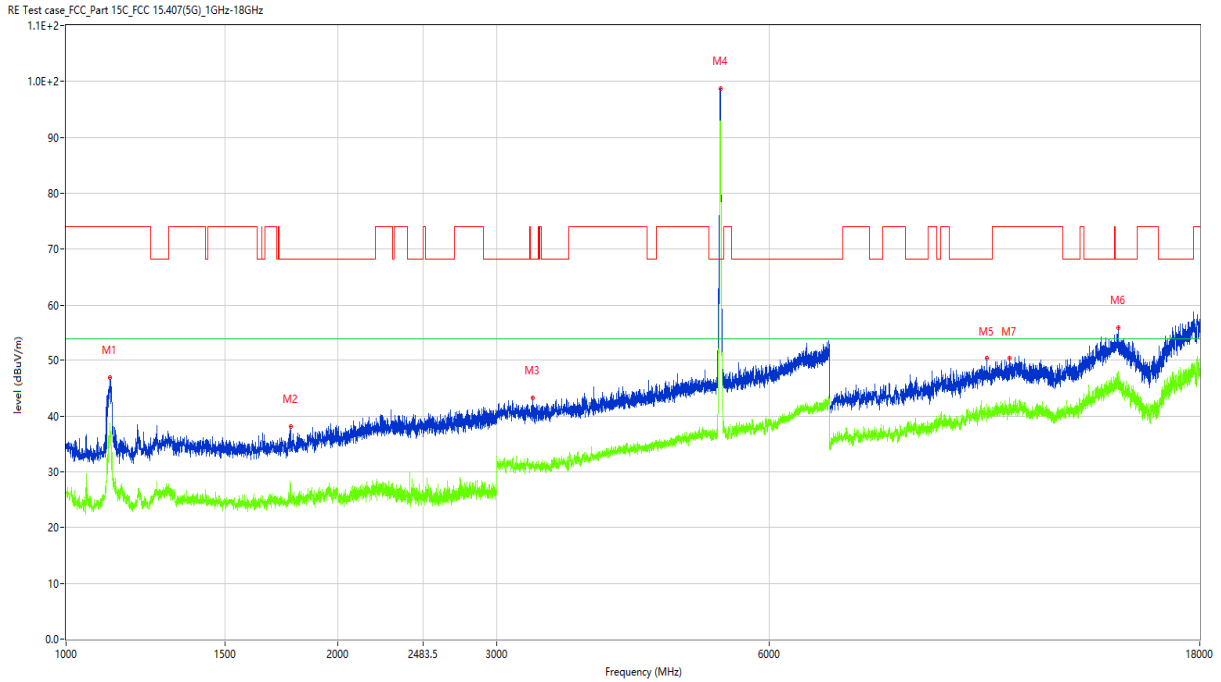
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1112.000	42.70	-17.23	74.0	-31.30	Peak	261.00	100	Horizontal	Pass
1**	1112.000	28.37	-17.23	54.0	-25.63	AV	261.00	100	Horizontal	Pass
2	2262.500	40.52	-12.24	74.0	-33.48	Peak	332.00	100	Horizontal	Pass
2**	2262.500	27.14	-12.24	54.0	-26.86	AV	332.00	100	Horizontal	Pass
3	3245.000	43.59	-7.01	68.2	-24.61	Peak	246.00	100	Horizontal	Pass
3**	3245.000	32.72	-7.01	54.0	-21.28	AV	246.00	100	Horizontal	Pass
4	5259.000	97.01	-2.19	68.2	28.81	Peak	199.00	100	Horizontal	N/A
4**	5259.000	90.93	-2.19	54.0	36.93	AV	199.00	100	Horizontal	N/A
5	11100.250	50.66	6.83	74.0	-23.34	Peak	3.00	100	Horizontal	Pass
5**	11100.250	40.99	6.83	54.0	-13.01	AV	3.00	100	Horizontal	Pass
6	14392.001	55.99	12.01	68.2	-12.21	Peak	185.00	100	Horizontal	Pass
6**	14392.001	45.42	12.01	54.0	-8.58	AV	185.00	100	Horizontal	Pass

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



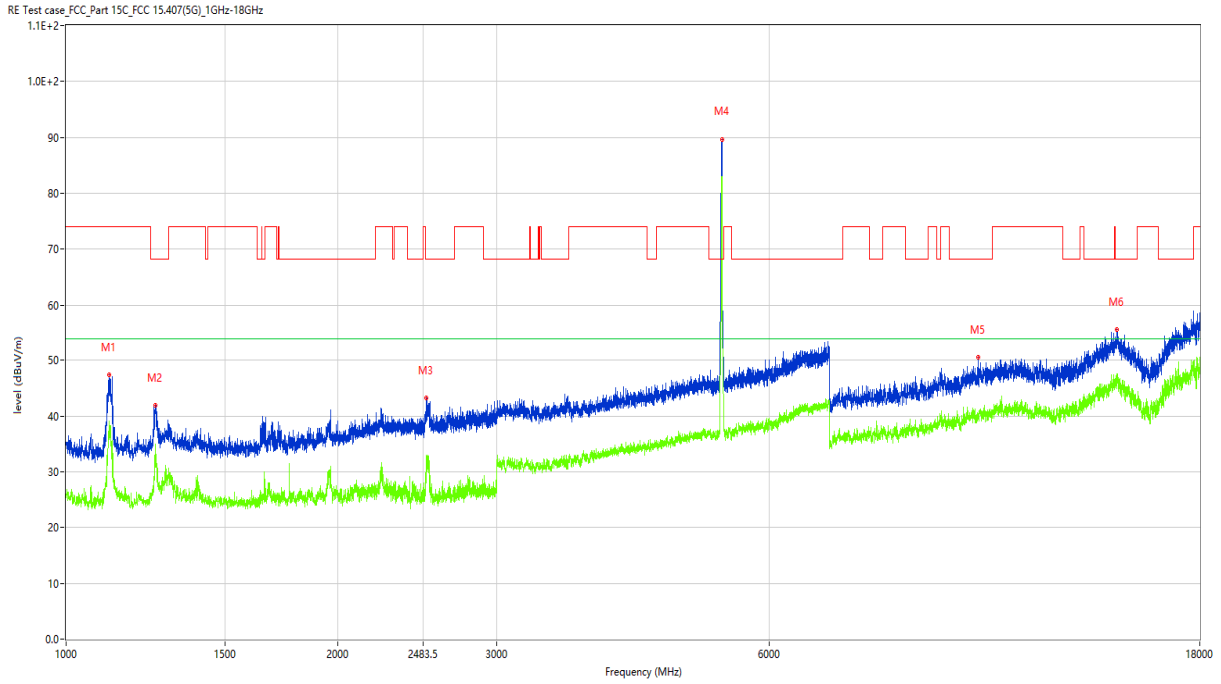
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1121.500	46.64	-17.26	74.0	-27.36	Peak	218.00	100	Vertical	Pass
1**	1121.500	34.63	-17.26	54.0	-19.37	AV	218.00	100	Vertical	Pass
2	1949.500	41.94	-14.21	68.2	-26.26	Peak	169.00	100	Vertical	Pass
2**	1949.500	27.73	-14.21	54.0	-26.27	AV	169.00	100	Vertical	Pass
3	2512.500	42.94	-11.68	68.2	-25.26	Peak	361.00	100	Vertical	Pass
3**	2512.500	31.88	-11.68	54.0	-22.12	AV	361.00	100	Vertical	Pass
4	5299.000	90.26	-2.04	68.2	22.06	Peak	244.00	100	Vertical	N/A
4**	5299.000	82.17	-2.04	54.0	28.17	AV	244.00	100	Vertical	N/A
5	10808.750	51.43	7.15	74.0	-22.57	Peak	67.00	100	Vertical	Pass
5**	10808.750	41.28	7.15	54.0	-12.72	AV	67.00	100	Vertical	Pass
6	14647.750	55.46	11.84	68.2	-12.74	Peak	333.00	100	Vertical	Pass
6**	14647.750	46.22	11.84	54.0	-7.78	AV	333.00	100	Vertical	Pass

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



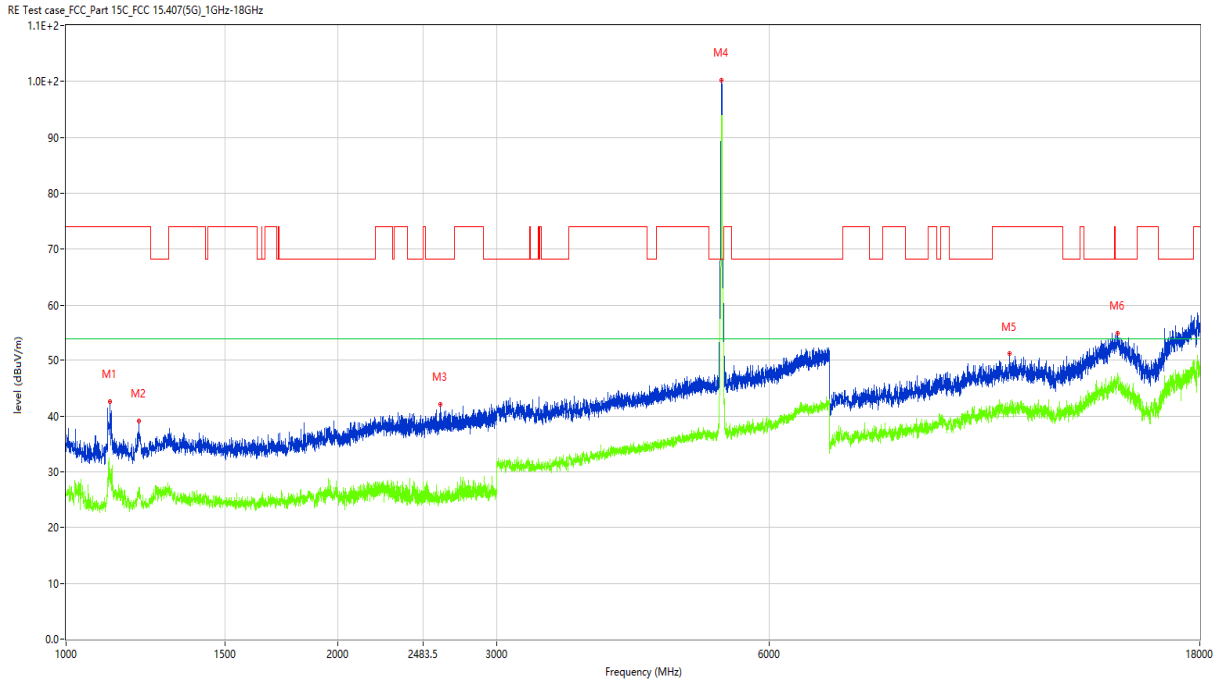
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1118.000	46.83	-16.99	74.0	-27.17	Peak	270.00	100	Horizontal	Pass
1**	1118.000	38.84	-16.99	54.0	-15.16	AV	270.00	100	Horizontal	Pass
2	1772.000	38.05	-15.58	68.2	-30.15	Peak	104.00	100	Horizontal	Pass
2**	1772.000	27.76	-15.58	54.0	-26.24	AV	104.00	100	Horizontal	Pass
3	3287.000	43.16	-7.48	68.2	-25.04	Peak	67.00	100	Horizontal	Pass
3**	3287.000	31.68	-7.48	54.0	-22.32	AV	67.00	100	Horizontal	Pass
4	5301.000	98.74	-2.38	68.2	30.54	Peak	186.00	100	Horizontal	N/A
4**	5301.000	91.80	-2.38	54.0	37.80	AV	186.00	100	Horizontal	N/A
5	10467.750	50.32	7.04	68.2	-17.88	Peak	30.00	100	Horizontal	Pass
5**	10467.750	42.12	7.04	54.0	-11.88	AV	30.00	100	Horizontal	Pass
6	14625.750	55.95	12.04	68.2	-12.25	Peak	101.00	100	Horizontal	Pass
6**	14625.750	44.67	12.04	54.0	-9.33	AV	101.00	100	Horizontal	Pass
7	11075.500	50.32	7.17	74.0	-23.68	Peak	173.00	100	Horizontal	Pass
7**	11075.500	40.53	7.17	54.0	-13.47	AV	173.00	100	Horizontal	Pass

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



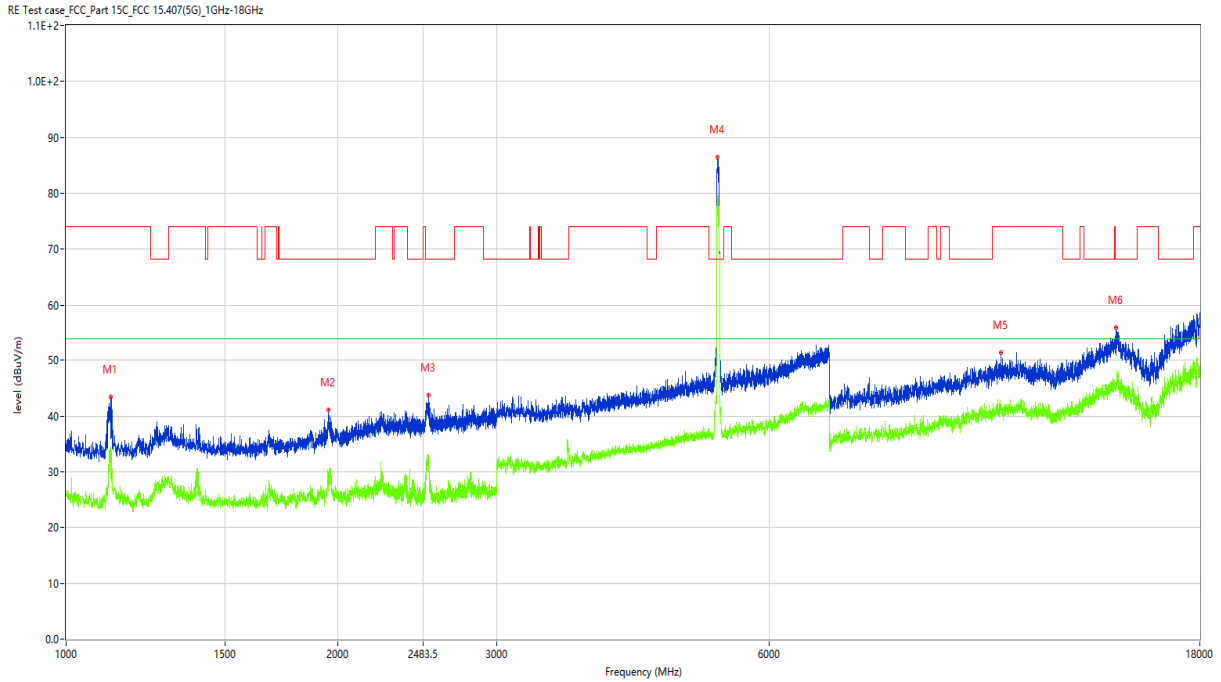
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1115.000	47.42	-17.03	74.0	-26.58	Peak	218.00	100	Vertical	Pass
1**	1115.000	36.92	-17.03	54.0	-17.08	AV	218.00	100	Vertical	Pass
2	1256.500	41.86	-16.04	68.2	-26.34	Peak	146.00	100	Vertical	Pass
2**	1256.500	34.90	-16.04	54.0	-19.10	AV	146.00	100	Vertical	Pass
3	2503.500	43.28	-11.50	68.2	-24.92	Peak	1.00	100	Vertical	Pass
3**	2503.500	30.85	-11.50	54.0	-23.15	AV	1.00	100	Vertical	Pass
4	5322.000	89.69	-2.07	68.2	21.49	Peak	263.00	100	Vertical	N/A
4**	5322.000	82.60	-2.07	54.0	28.60	AV	263.00	100	Vertical	N/A
5	10234.000	50.58	6.72	68.2	-17.62	Peak	219.00	100	Vertical	Pass
5**	10234.000	40.35	6.72	54.0	-13.65	AV	219.00	100	Vertical	Pass
6	14554.250	55.70	11.45	68.2	-12.50	Peak	357.00	100	Vertical	Pass
6**	14554.250	46.38	11.45	54.0	-7.62	AV	357.00	100	Vertical	Pass

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



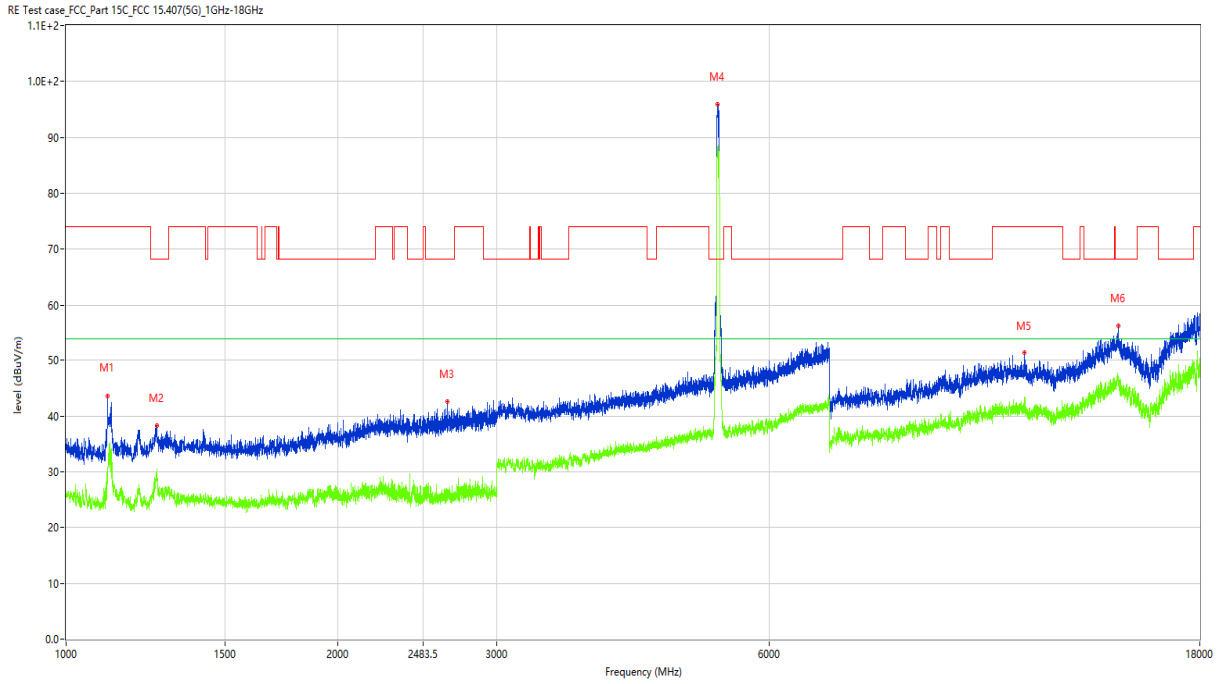
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1119.000	42.58	-16.95	74.0	-31.42	Peak	267.00	100	Horizontal	Pass
1**	1119.000	28.23	-16.95	54.0	-25.77	AV	267.00	100	Horizontal	Pass
2	1203.500	39.02	-16.06	74.0	-34.98	Peak	340.00	100	Horizontal	Pass
2**	1203.500	26.02	-16.06	54.0	-27.98	AV	340.00	100	Horizontal	Pass
3	2594.000	42.02	-11.26	68.2	-26.18	Peak	94.00	100	Horizontal	Pass
3**	2594.000	25.34	-11.26	54.0	-28.66	AV	94.00	100	Horizontal	Pass
4	5320.000	100.24	-2.09	68.2	32.04	Peak	190.00	100	Horizontal	N/A
4**	5320.000	93.96	-2.09	54.0	39.96	AV	190.00	100	Horizontal	N/A
5	11092.000	51.18	6.96	74.0	-22.82	Peak	193.00	100	Horizontal	Pass
5**	11092.000	40.98	6.96	54.0	-13.02	AV	193.00	100	Horizontal	Pass
6	14595.500	55.05	12.45	68.2	-13.15	Peak	341.00	100	Horizontal	Pass
6**	14595.500	46.78	12.45	54.0	-7.22	AV	341.00	100	Horizontal	Pass

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1120.500	43.40	-17.12	74.0	-30.60	Peak	199.00	100	Vertical	Pass
1**	1120.500	28.84	-17.12	54.0	-25.16	AV	199.00	100	Vertical	Pass
2	1953.000	41.08	-14.46	68.2	-27.12	Peak	174.00	100	Vertical	Pass
2**	1953.000	26.43	-14.46	54.0	-27.57	AV	174.00	100	Vertical	Pass
3	2520.000	43.73	-11.89	68.2	-24.47	Peak	360.00	100	Vertical	Pass
3**	2520.000	31.34	-11.89	54.0	-22.66	AV	360.00	100	Vertical	Pass
4	5268.000	86.40	-1.91	68.2	18.20	Peak	264.00	100	Vertical	N/A
4**	5268.000	79.49	-1.91	54.0	25.49	AV	264.00	100	Vertical	N/A
5	10836.250	51.44	7.19	74.0	-22.56	Peak	350.00	100	Vertical	Pass
5**	10836.250	41.46	7.19	54.0	-12.54	AV	350.00	100	Vertical	Pass
6	14551.500	56.01	11.43	68.2	-12.19	Peak	4.00	100	Vertical	Pass
6**	14551.500	45.59	11.43	54.0	-8.41	AV	4.00	100	Vertical	Pass

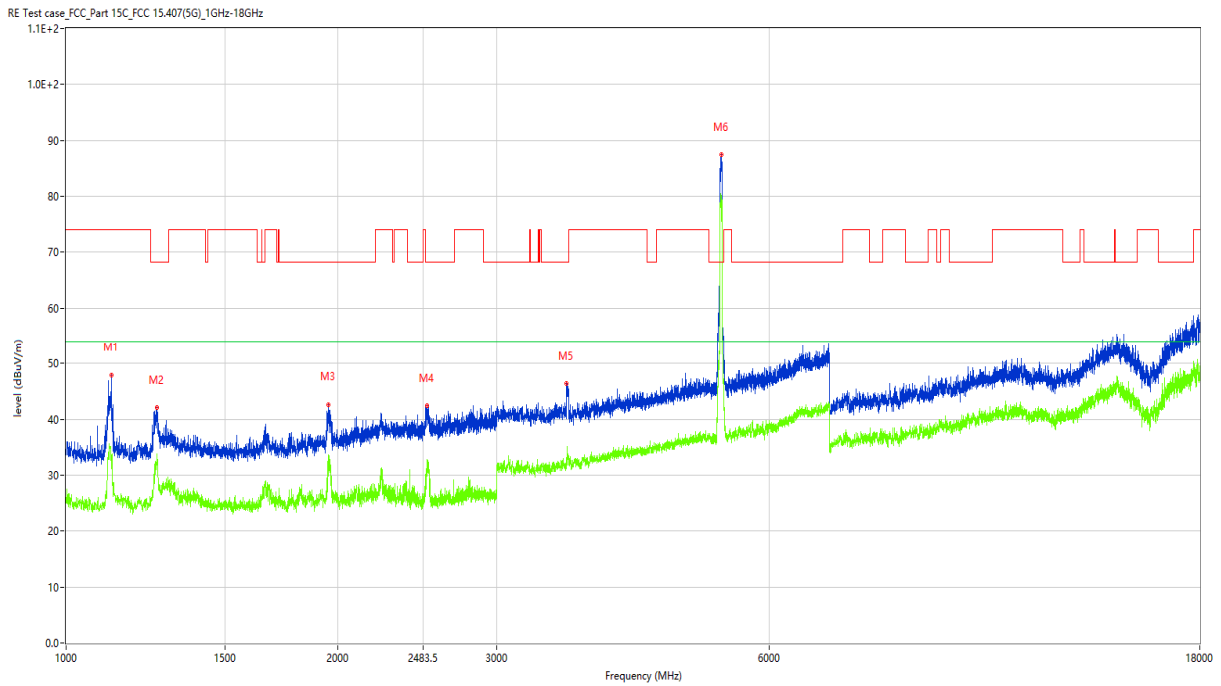
11n40, U-NII-2A, 1 GHz to 18 GHz, Low Channel, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1111.500	43.63	-17.13	74.0	-30.37	Peak	288.00	100	Horizontal	Pass
1**	1111.500	29.75	-17.13	54.0	-24.25	AV	288.00	100	Horizontal	Pass
2	1260.500	38.21	-16.21	68.2	-29.99	Peak	0.00	100	Horizontal	Pass
2**	1260.500	29.16	-16.21	54.0	-24.84	AV	0.00	100	Horizontal	Pass
3	2643.000	42.63	-10.79	68.2	-25.57	Peak	-1.00	100	Horizontal	Pass
3**	2643.000	26.85	-10.79	54.0	-27.15	AV	-1.00	100	Horizontal	Pass
4	5268.000	95.97	-1.91	68.2	27.77	Peak	219.00	100	Horizontal	N/A
4**	5268.000	88.21	-1.91	54.0	34.21	AV	219.00	100	Horizontal	N/A
5	11510.000	51.33	7.38	74.0	-22.67	Peak	41.00	100	Horizontal	Pass
5**	11510.000	41.80	7.38	54.0	-12.20	AV	41.00	100	Horizontal	Pass
6	14623.000	56.38	12.06	68.2	-11.82	Peak	141.00	100	Horizontal	Pass
6**	14623.000	46.57	12.06	54.0	-7.43	AV	141.00	100	Horizontal	Pass

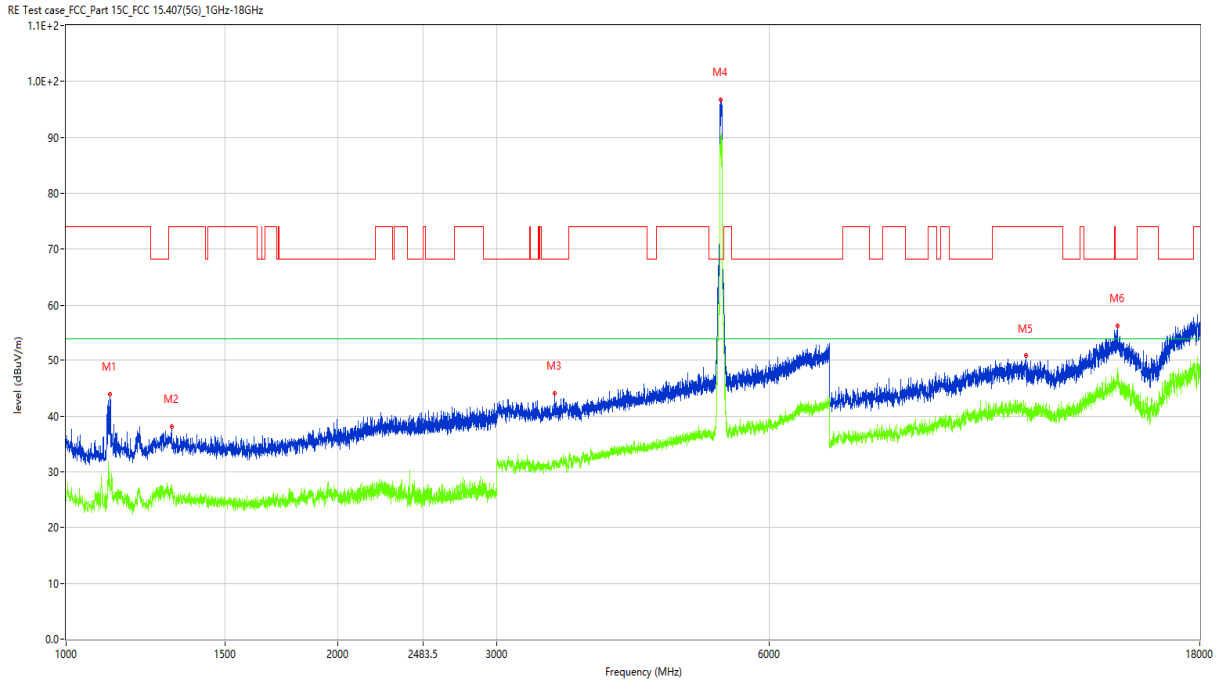


11n40, U-NII-2A, 1 GHz to 18 GHz, High Channel, ANT V



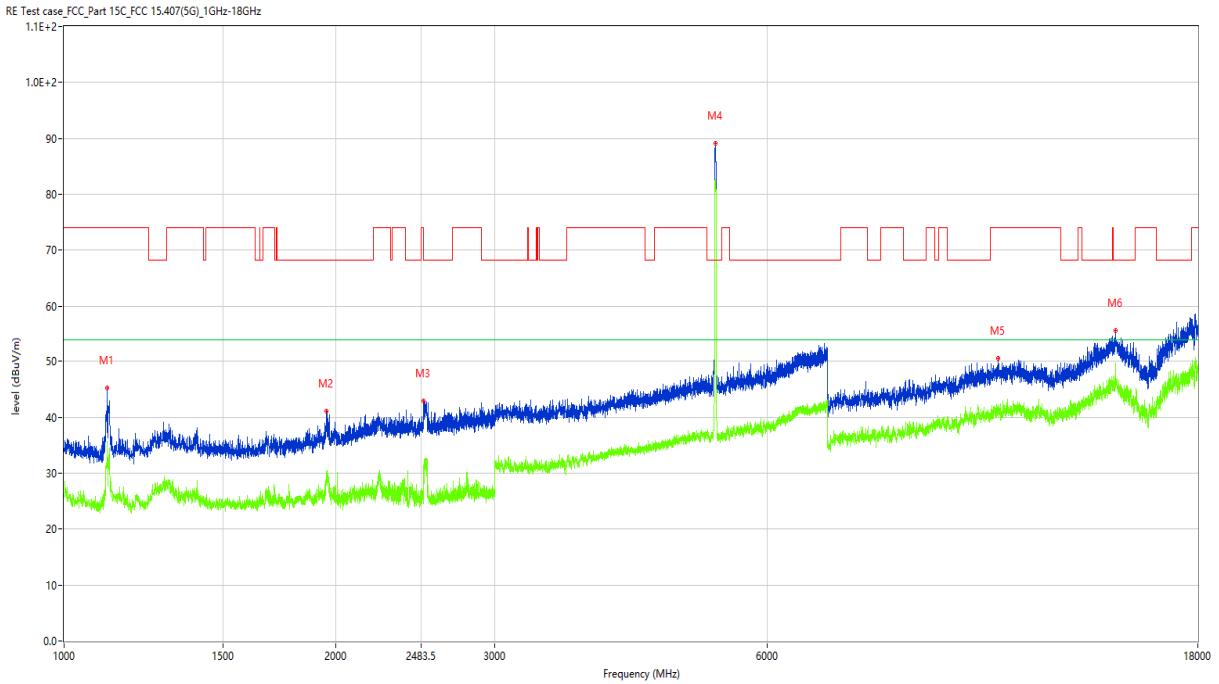
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1122.000	47.94	-17.27	74.0	-26.06	Peak	310.00	100	Vertical	Pass
1**	1122.000	31.76	-17.27	54.0	-22.24	AV	310.00	100	Vertical	Pass
2	1260.000	42.04	-16.22	68.2	-26.16	Peak	159.00	100	Vertical	Pass
2**	1260.000	33.34	-16.22	54.0	-20.66	AV	159.00	100	Vertical	Pass
3	1950.500	42.65	-14.28	68.2	-25.55	Peak	159.00	100	Vertical	Pass
3**	1950.500	29.84	-14.28	54.0	-24.16	AV	159.00	100	Vertical	Pass
4	2508.500	42.43	-11.79	68.2	-25.77	Peak	356.00	100	Vertical	Pass
4**	2508.500	31.46	-11.79	54.0	-22.54	AV	356.00	100	Vertical	Pass
5	3584.000	46.40	-5.51	68.2	-21.80	Peak	54.00	100	Vertical	Pass
5**	3584.000	31.16	-5.51	54.0	-22.84	AV	54.00	100	Vertical	Pass
6	5314.000	87.43	-1.92	68.2	19.23	Peak	255.00	100	Vertical	N/A
6**	5314.000	79.07	-1.92	54.0	25.07	AV	255.00	100	Vertical	N/A

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



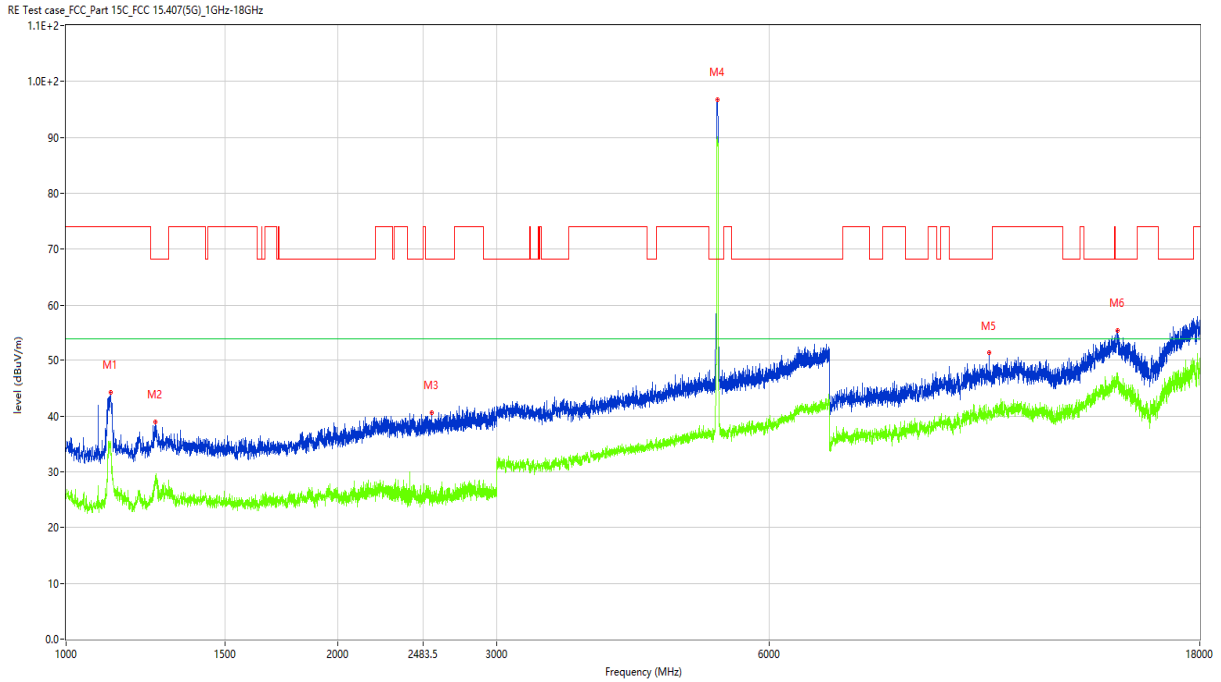
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1119.000	43.94	-16.95	74.0	-30.06	Peak	280.00	100	Horizontal	Pass
1**	1119.000	28.60	-16.95	54.0	-25.40	AV	280.00	100	Horizontal	Pass
2	1309.000	38.12	-15.83	74.0	-35.88	Peak	74.00	100	Horizontal	Pass
2**	1309.000	26.61	-15.83	54.0	-27.39	AV	74.00	100	Horizontal	Pass
3	3475.000	43.99	-6.31	68.2	-24.21	Peak	110.00	100	Horizontal	Pass
3**	3475.000	30.47	-6.31	54.0	-23.53	AV	110.00	100	Horizontal	Pass
4	5306.000	96.79	-1.94	68.2	28.59	Peak	186.00	100	Horizontal	N/A
4**	5306.000	89.34	-1.94	54.0	35.34	AV	186.00	100	Horizontal	N/A
5	11545.750	50.88	6.76	74.0	-23.12	Peak	50.00	100	Horizontal	Pass
5**	11545.750	41.21	6.76	54.0	-12.79	AV	50.00	100	Horizontal	Pass
6	14592.750	56.29	12.45	68.2	-11.91	Peak	328.00	100	Horizontal	Pass
6**	14592.750	48.69	12.45	54.0	-5.31	AV	328.00	100	Horizontal	Pass

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



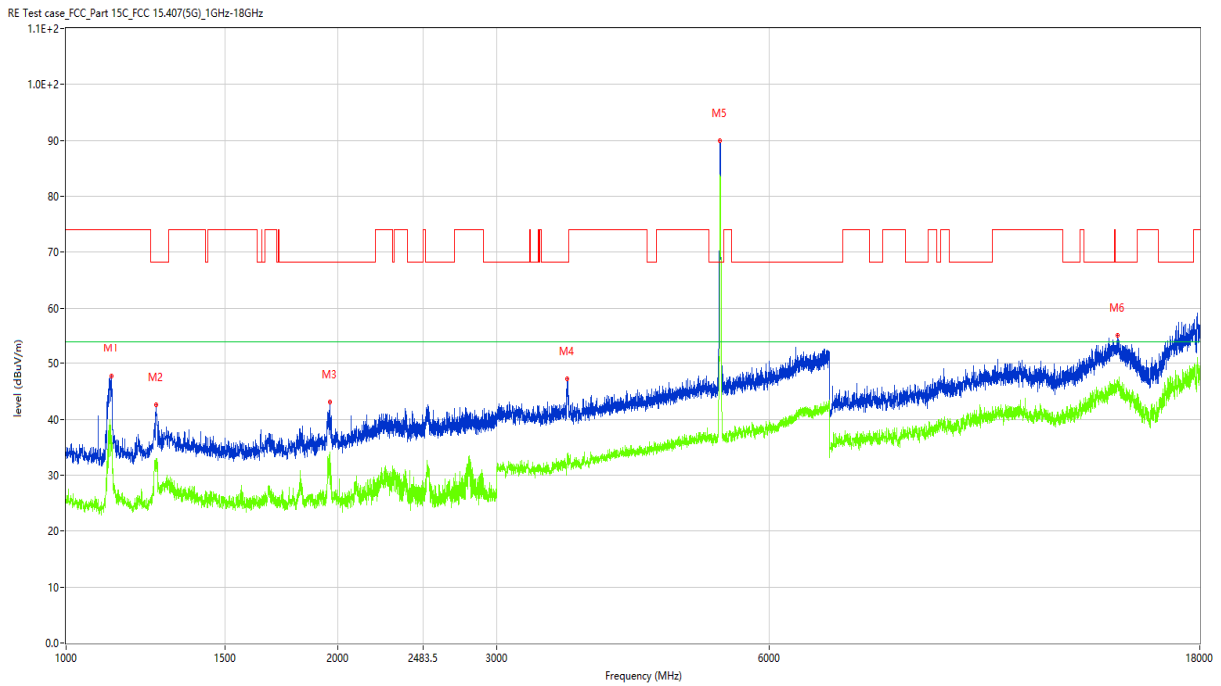
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1116.000	45.19	-16.99	74.0	-28.81	Peak	232.00	100	Vertical	Pass
1**	1116.000	31.11	-16.99	54.0	-22.89	AV	232.00	100	Vertical	Pass
2	1950.500	41.00	-14.28	68.2	-27.20	Peak	181.00	100	Vertical	Pass
2**	1950.500	29.97	-14.28	54.0	-24.03	AV	181.00	100	Vertical	Pass
3	2502.000	42.95	-11.27	68.2	-25.25	Peak	360.00	100	Vertical	Pass
3**	2502.000	31.51	-11.27	54.0	-22.49	AV	360.00	100	Vertical	Pass
4	5262.000	89.13	-2.34	68.2	20.93	Peak	258.00	100	Vertical	N/A
4**	5262.000	82.64	-2.34	54.0	28.64	AV	258.00	100	Vertical	N/A
5	10822.500	50.60	7.17	74.0	-23.40	Peak	361.00	100	Vertical	Pass
5**	10822.500	41.69	7.17	54.0	-12.31	AV	361.00	100	Vertical	Pass
6	14590.000	55.59	12.45	68.2	-12.61	Peak	178.00	100	Vertical	Pass
6**	14590.000	45.39	12.45	54.0	-8.61	AV	178.00	100	Vertical	Pass

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



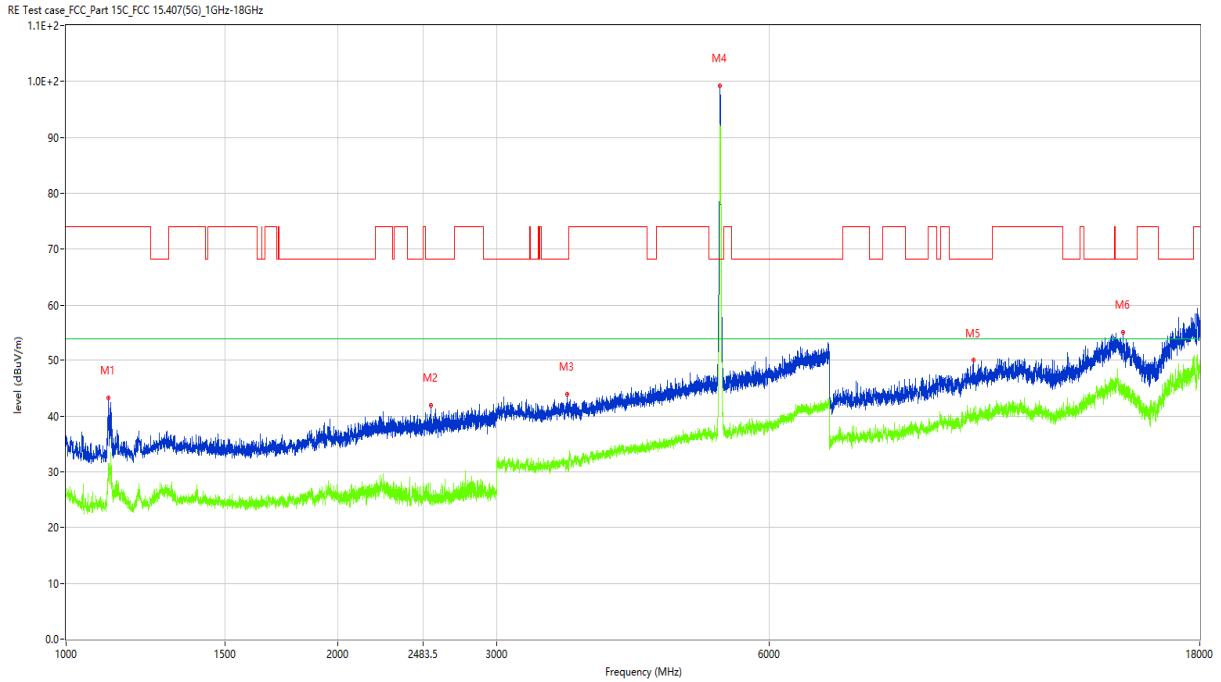
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1120.500	44.18	-17.12	74.0	-29.82	Peak	50.00	100	Horizontal	Pass
1**	1120.500	34.80	-17.12	54.0	-19.20	AV	50.00	100	Horizontal	Pass
2	1254.500	38.92	-16.15	68.2	-29.28	Peak	356.00	100	Horizontal	Pass
2**	1254.500	27.43	-16.15	54.0	-26.57	AV	356.00	100	Horizontal	Pass
3	2538.000	40.52	-11.33	68.2	-27.68	Peak	181.00	100	Horizontal	Pass
3**	2538.000	25.11	-11.33	54.0	-28.89	AV	181.00	100	Horizontal	Pass
4	5261.000	96.73	-2.32	68.2	28.53	Peak	201.00	100	Horizontal	N/A
4**	5261.000	88.49	-2.32	54.0	34.49	AV	201.00	100	Horizontal	N/A
5	10522.750	51.28	7.34	68.2	-16.92	Peak	51.00	100	Horizontal	Pass
5**	10522.750	40.51	7.34	54.0	-13.49	AV	51.00	100	Horizontal	Pass
6	14592.750	55.48	12.45	68.2	-12.72	Peak	356.00	100	Horizontal	Pass
6**	14592.750	47.05	12.45	54.0	-6.95	AV	356.00	100	Horizontal	Pass

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



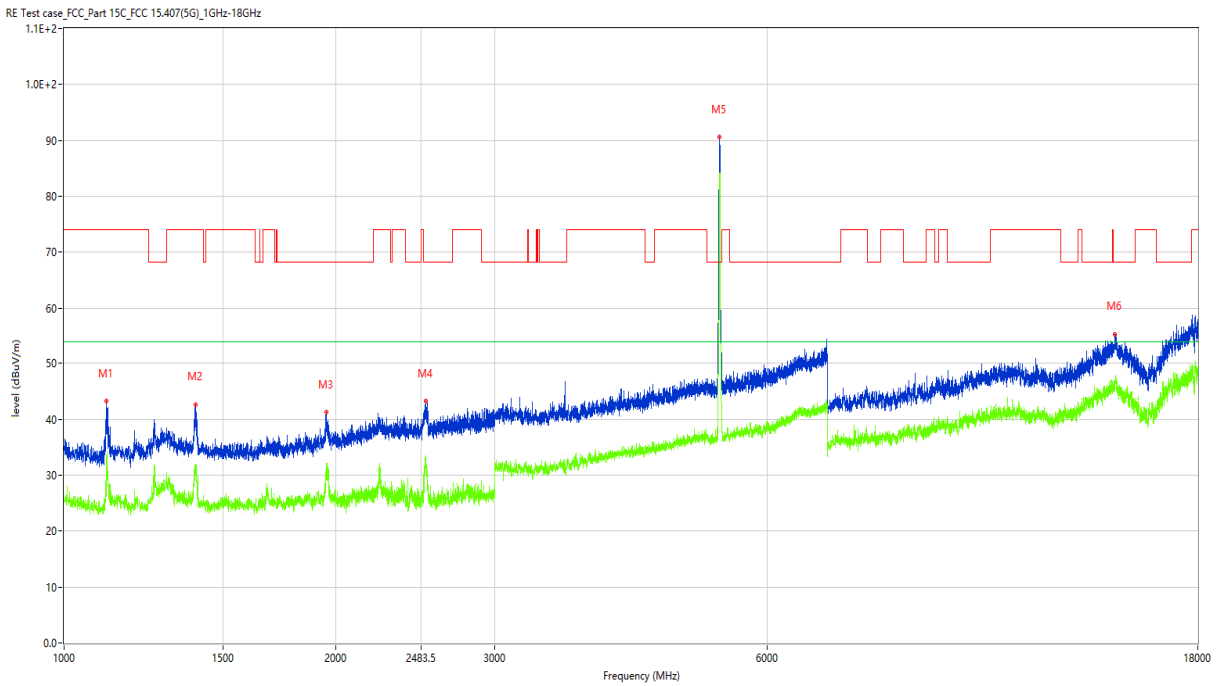
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1123.000	47.79	-17.22	74.0	-26.21	Peak	231.00	100	Vertical	Pass
1**	1123.000	34.37	-17.22	54.0	-19.63	AV	231.00	100	Vertical	Pass
2	1257.000	42.54	-16.26	68.2	-25.66	Peak	0.00	100	Vertical	Pass
2**	1257.000	31.79	-16.26	54.0	-22.21	AV	0.00	100	Vertical	Pass
3	1959.000	43.09	-14.50	68.2	-25.11	Peak	153.00	100	Vertical	Pass
3**	1959.000	31.51	-14.50	54.0	-22.49	AV	153.00	100	Vertical	Pass
4	3588.000	47.20	-5.56	68.2	-21.00	Peak	205.00	100	Vertical	Pass
4**	3588.000	33.44	-5.56	54.0	-20.56	AV	205.00	100	Vertical	Pass
5	5298.000	89.89	-2.20	68.2	21.69	Peak	256.00	100	Vertical	N/A
5**	5298.000	80.59	-2.20	54.0	26.59	AV	256.00	100	Vertical	N/A
6	14595.500	55.10	12.45	68.2	-13.10	Peak	25.00	100	Vertical	Pass
6**	14595.500	47.04	12.45	54.0	-6.96	AV	25.00	100	Vertical	Pass

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



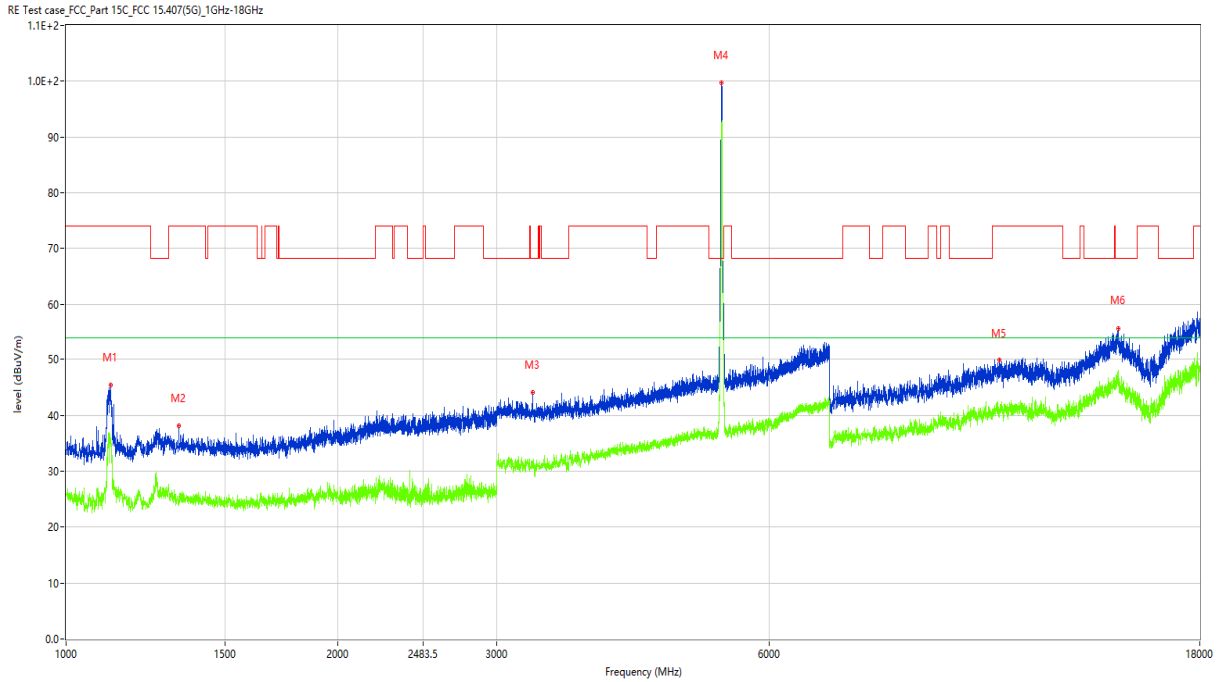
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1114.500	43.27	-16.94	74.0	-30.73	Peak	291.00	100	Horizontal	Pass
1**	1114.500	28.31	-16.94	54.0	-25.69	AV	291.00	100	Horizontal	Pass
2	2537.500	41.88	-11.31	68.2	-26.32	Peak	105.00	100	Horizontal	Pass
2**	2537.500	25.27	-11.31	54.0	-28.73	AV	105.00	100	Horizontal	Pass
3	3585.000	43.88	-5.56	68.2	-24.32	Peak	309.00	100	Horizontal	Pass
3**	3585.000	31.67	-5.56	54.0	-22.33	AV	309.00	100	Horizontal	Pass
4	5299.000	99.19	-2.04	68.2	30.99	Peak	205.00	100	Horizontal	N/A
4**	5299.000	91.78	-2.04	54.0	37.78	AV	205.00	100	Horizontal	N/A
5	10102.000	49.95	6.19	68.2	-18.25	Peak	313.00	100	Horizontal	Pass
5**	10102.000	40.81	6.19	54.0	-13.19	AV	313.00	100	Horizontal	Pass
6	14812.750	55.15	13.36	68.2	-13.05	Peak	181.00	100	Horizontal	Pass
6**	14812.750	45.53	13.36	54.0	-8.47	AV	181.00	100	Horizontal	Pass

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1113.000	43.27	-17.06	74.0	-30.73	Peak	186.00	100	Vertical	Pass
1**	1113.000	26.12	-17.06	54.0	-27.88	AV	186.00	100	Vertical	Pass
2	1398.500	42.63	-16.32	74.0	-31.37	Peak	160.00	100	Vertical	Pass
2**	1398.500	31.29	-16.32	54.0	-22.71	AV	160.00	100	Vertical	Pass
3	1952.500	41.25	-14.38	68.2	-26.95	Peak	160.00	100	Vertical	Pass
3**	1952.500	29.14	-14.38	54.0	-24.86	AV	160.00	100	Vertical	Pass
4	2514.500	43.20	-11.55	68.2	-25.00	Peak	360.00	100	Vertical	Pass
4**	2514.500	32.91	-11.55	54.0	-21.09	AV	360.00	100	Vertical	Pass
5	5318.000	90.59	-2.21	68.2	22.39	Peak	251.00	100	Vertical	N/A
5**	5318.000	82.62	-2.21	54.0	28.62	AV	251.00	100	Vertical	N/A
6	14576.250	55.41	12.06	68.2	-12.79	Peak	184.00	100	Vertical	Pass
6**	14576.250	46.56	12.06	54.0	-7.44	AV	184.00	100	Vertical	Pass

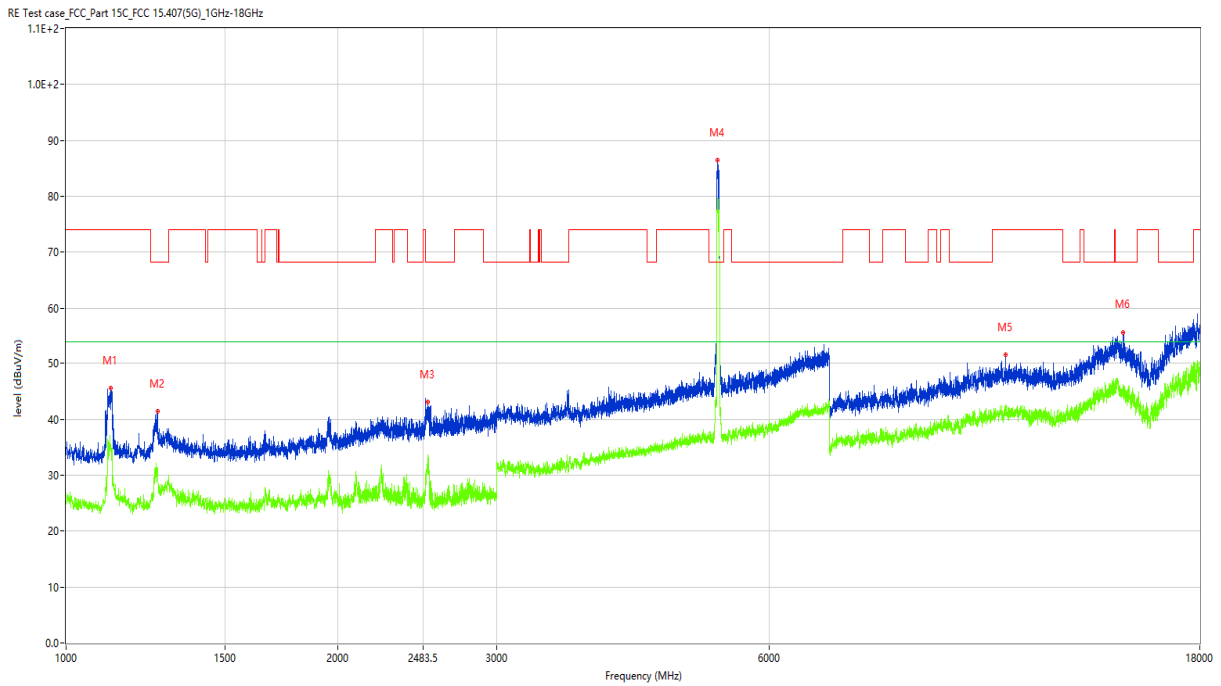
11ac20, U-NII-2A, 1 GHz to 18 GHz, High Channel, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1120.500	45.31	-17.12	74.0	-28.69	Peak	255.00	100	Horizontal	Pass
1**	1120.500	35.91	-17.12	54.0	-18.09	AV	255.00	100	Horizontal	Pass
2	1333.000	38.07	-15.91	74.0	-35.93	Peak	255.00	100	Horizontal	Pass
2**	1333.000	24.48	-15.91	54.0	-29.52	AV	255.00	100	Horizontal	Pass
3	3288.000	44.01	-7.37	68.2	-24.19	Peak	12.00	100	Horizontal	Pass
3**	3288.000	31.79	-7.37	54.0	-22.21	AV	12.00	100	Horizontal	Pass
4	5318.000	99.66	-2.21	68.2	31.46	Peak	183.00	100	Horizontal	N/A
4**	5318.000	92.12	-2.21	54.0	38.12	AV	183.00	100	Horizontal	N/A
5	10806.000	49.84	7.15	74.0	-24.16	Peak	177.00	100	Horizontal	Pass
5**	10806.000	40.33	7.15	54.0	-13.67	AV	177.00	100	Horizontal	Pass
6	14628.500	55.74	12.02	68.2	-12.46	Peak	44.00	100	Horizontal	Pass
6**	14628.500	46.00	12.02	54.0	-8.00	AV	44.00	100	Horizontal	Pass

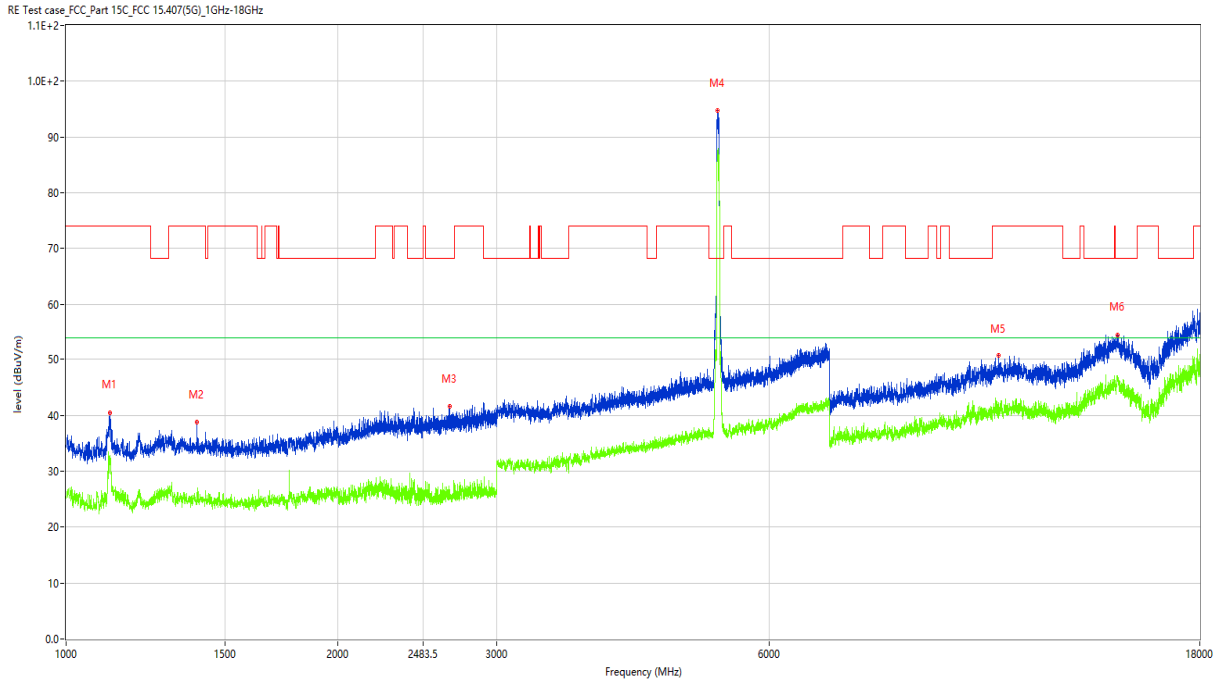


11ac40, U-NII-2A, 1 GHz to 18 GHz, Low Channel, ANT V



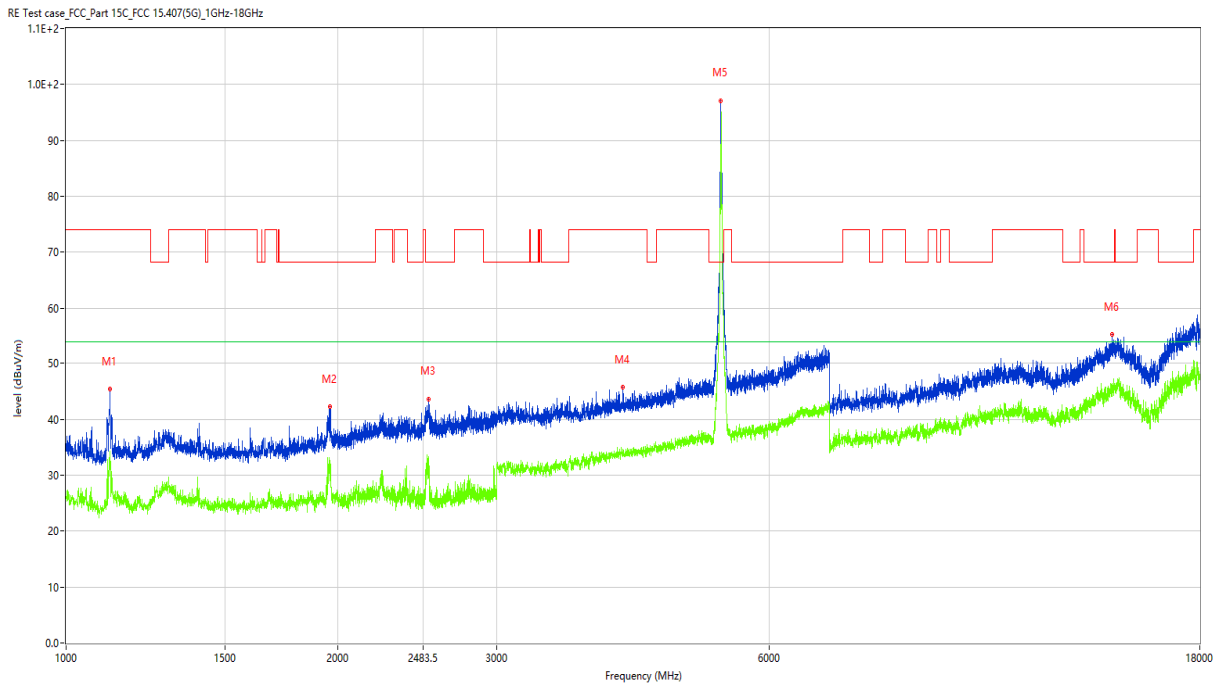
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1119.500	45.49	-17.06	74.0	-28.51	Peak	117.00	100	Vertical	Pass
1**	1119.500	35.49	-17.06	54.0	-18.51	AV	117.00	100	Vertical	Pass
2	1262.000	41.46	-16.26	68.2	-26.74	Peak	356.00	100	Vertical	Pass
2**	1262.000	30.86	-16.26	54.0	-23.14	AV	356.00	100	Vertical	Pass
3	2512.500	43.05	-11.68	68.2	-25.15	Peak	198.00	100	Vertical	Pass
3**	2512.500	32.15	-11.68	54.0	-21.85	AV	198.00	100	Vertical	Pass
4	5268.000	86.44	-1.91	68.2	18.24	Peak	267.00	100	Vertical	N/A
4**	5268.000	79.63	-1.91	54.0	25.63	AV	267.00	100	Vertical	N/A
5	10965.500	51.58	7.08	74.0	-22.42	Peak	200.00	100	Vertical	Pass
5**	10965.500	41.42	7.08	54.0	-12.58	AV	200.00	100	Vertical	Pass
6	14790.750	55.73	12.15	68.2	-12.47	Peak	0.00	100	Vertical	Pass
6**	14790.750	43.98	12.15	54.0	-10.02	AV	0.00	100	Vertical	Pass

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



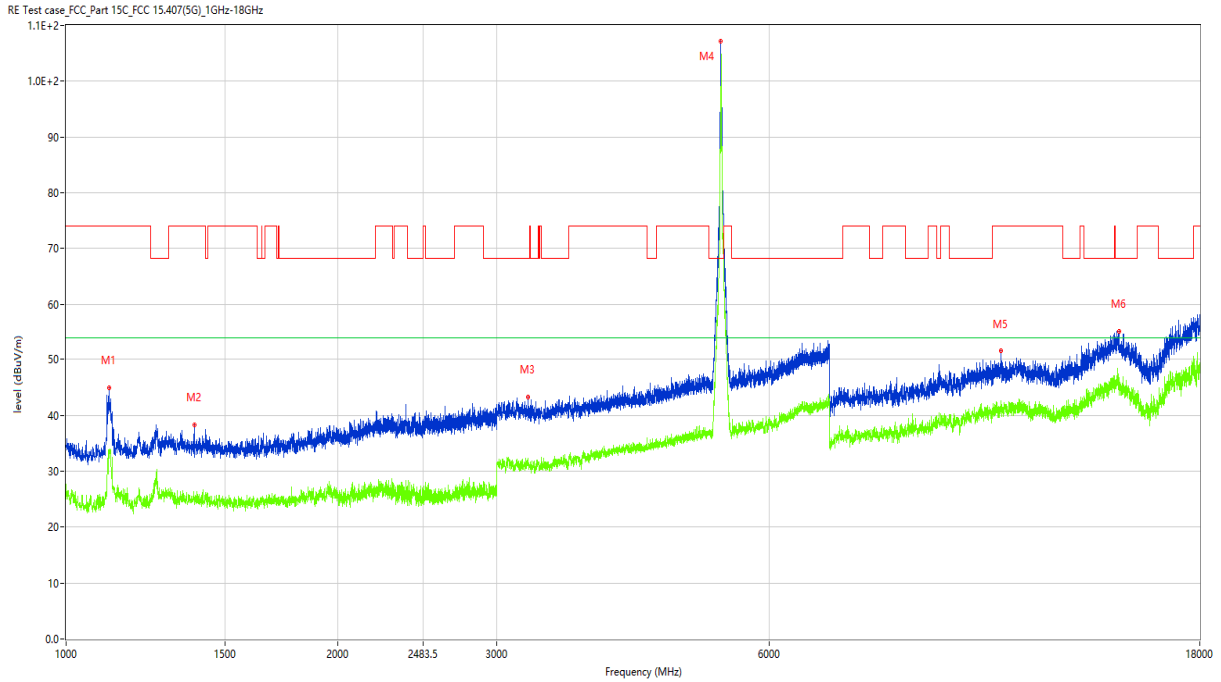
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1117.500	40.48	-16.99	74.0	-33.52	Peak	272.00	100	Horizontal	Pass
1**	1117.500	31.20	-16.99	54.0	-22.80	AV	272.00	100	Horizontal	Pass
2	1396.500	38.76	-16.20	74.0	-35.24	Peak	360.00	100	Horizontal	Pass
2**	1396.500	24.68	-16.20	54.0	-29.32	AV	360.00	100	Horizontal	Pass
3	2657.500	41.63	-10.10	68.2	-26.57	Peak	216.00	100	Horizontal	Pass
3**	2657.500	25.72	-10.10	54.0	-28.28	AV	216.00	100	Horizontal	Pass
4	5268.000	94.71	-1.91	68.2	26.51	Peak	200.00	100	Horizontal	N/A
4**	5268.000	86.87	-1.91	54.0	32.87	AV	200.00	100	Horizontal	N/A
5	10784.000	50.68	7.41	74.0	-23.32	Peak	242.00	100	Horizontal	Pass
5**	10784.000	40.82	7.41	54.0	-13.18	AV	242.00	100	Horizontal	Pass
6	14598.250	54.57	12.46	68.2	-13.63	Peak	322.00	100	Horizontal	Pass
6**	14598.250	46.48	12.46	54.0	-7.52	AV	322.00	100	Horizontal	Pass

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



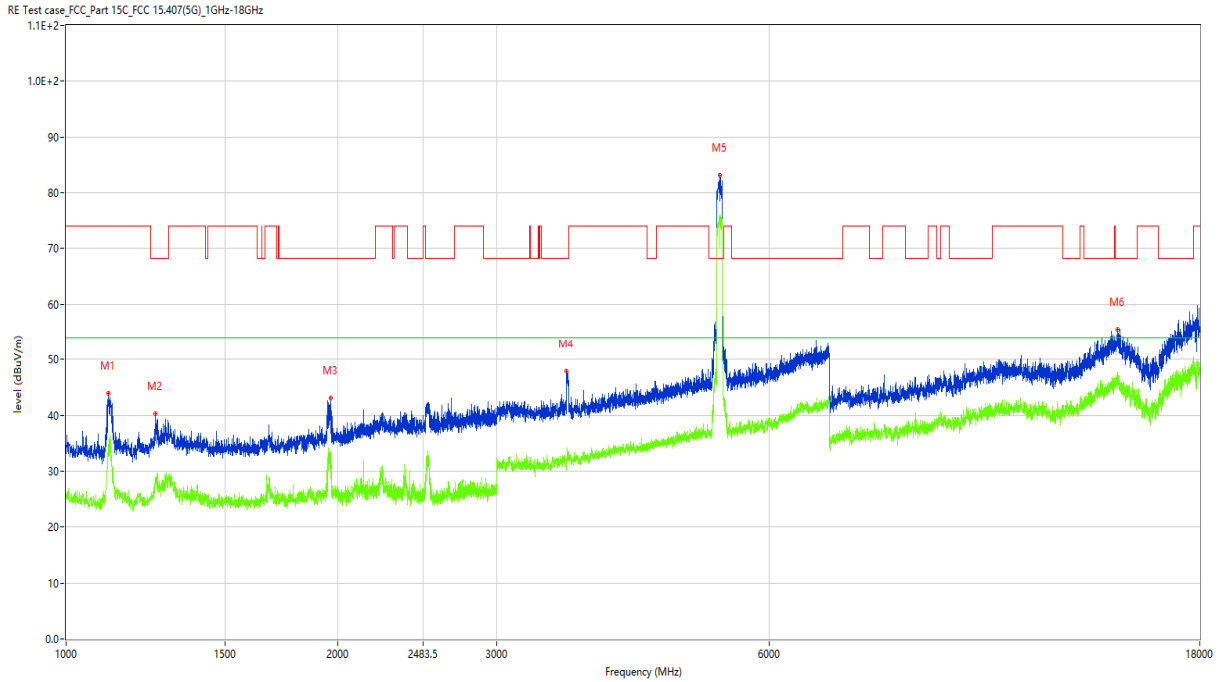
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1119.000	45.33	-16.95	74.0	-28.67	Peak	114.00	100	Vertical	Pass
1**	1119.000	33.08	-16.95	54.0	-20.92	AV	114.00	100	Vertical	Pass
2	1959.500	42.27	-14.62	68.2	-25.93	Peak	170.00	100	Vertical	Pass
2**	1959.500	31.44	-14.62	54.0	-22.56	AV	170.00	100	Vertical	Pass
3	2519.000	43.62	-11.74	68.2	-24.58	Peak	198.00	100	Vertical	Pass
3**	2519.000	30.65	-11.74	54.0	-23.35	AV	198.00	100	Vertical	Pass
4	4133.000	45.71	-4.10	74.0	-28.29	Peak	168.00	100	Vertical	Pass
4**	4133.000	34.52	-4.10	54.0	-19.48	AV	168.00	100	Vertical	Pass
5	5310.000	97.15	-2.05	68.2	28.95	Peak	277.00	100	Vertical	N/A
5**	5310.000	83.72	-2.05	54.0	29.72	AV	277.00	100	Vertical	N/A
6	14397.500	55.25	11.86	68.2	-12.95	Peak	54.00	100	Vertical	Pass
6**	14397.500	44.87	11.86	54.0	-9.13	AV	54.00	100	Vertical	Pass

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



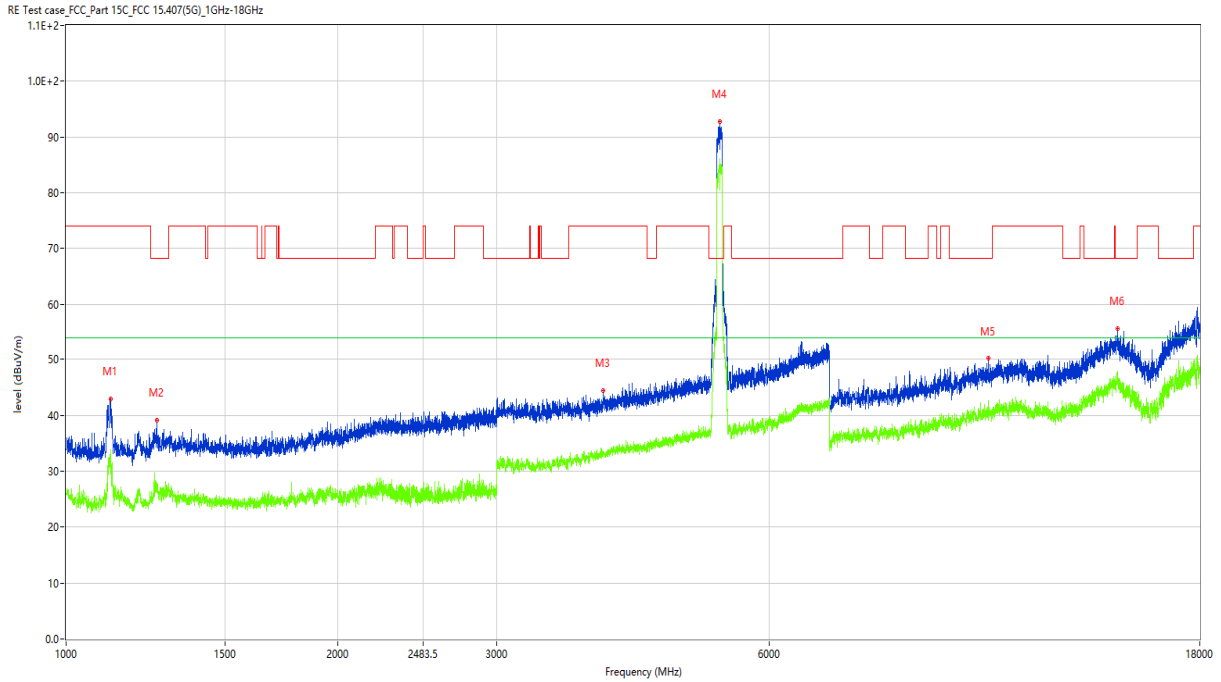
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1115.500	44.84	-17.03	74.0	-29.16	Peak	32.00	100	Horizontal	Pass
1**	1115.500	32.32	-17.03	54.0	-21.68	AV	32.00	100	Horizontal	Pass
2	1386.000	38.30	-16.01	74.0	-35.70	Peak	58.00	100	Horizontal	Pass
2**	1386.000	25.07	-16.01	54.0	-28.93	AV	58.00	100	Horizontal	Pass
3	3245.000	43.24	-7.01	68.2	-24.96	Peak	269.00	100	Horizontal	Pass
3**	3245.000	32.34	-7.01	54.0	-21.66	AV	269.00	100	Horizontal	Pass
4	5310.000	107.20	-2.05	68.2	39.00	Peak	188.00	100	Horizontal	N/A
4**	5310.000	93.51	-2.05	54.0	39.51	AV	188.00	100	Horizontal	N/A
5	10844.500	51.57	7.34	74.0	-22.43	Peak	306.00	100	Horizontal	Pass
5**	10844.500	40.95	7.34	54.0	-13.05	AV	306.00	100	Horizontal	Pass
6	14650.500	55.19	11.78	68.2	-13.01	Peak	63.00	100	Horizontal	Pass
6**	14650.500	45.78	11.78	54.0	-8.22	AV	63.00	100	Horizontal	Pass

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



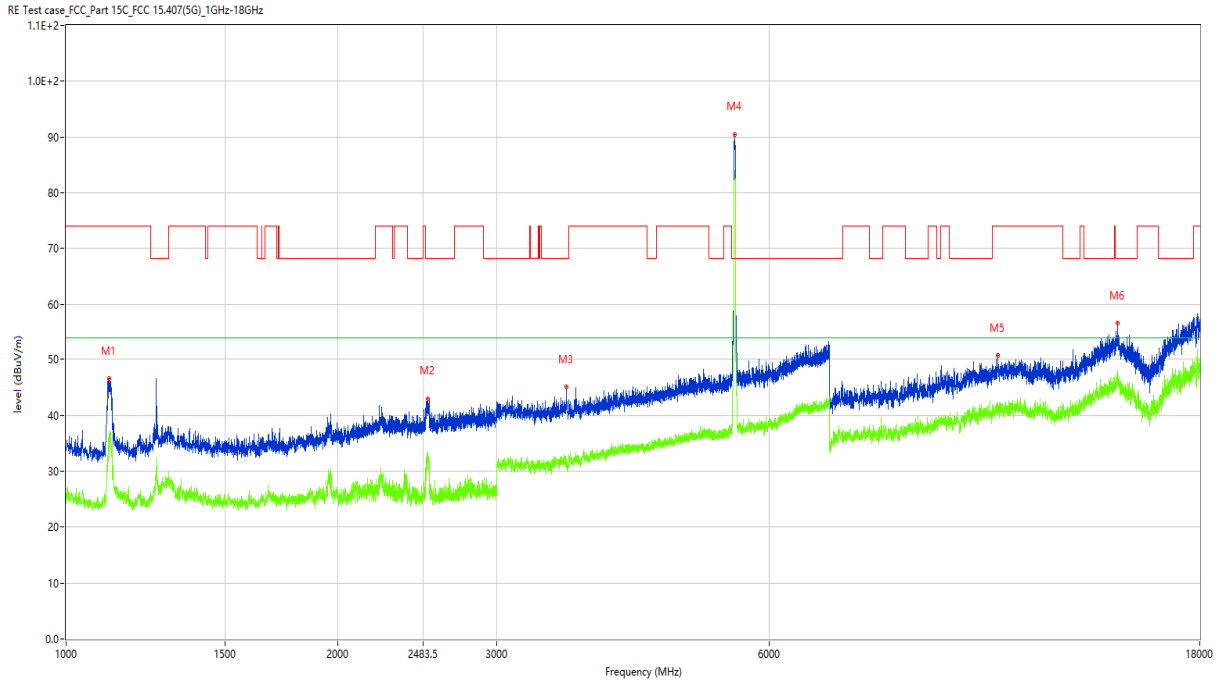
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1114.500	43.91	-16.94	74.0	-30.09	Peak	221.00	100	Vertical	Pass
1**	1114.500	34.82	-16.94	54.0	-19.18	AV	221.00	100	Vertical	Pass
2	1254.500	40.28	-16.15	68.2	-27.92	Peak	193.00	100	Vertical	Pass
2**	1254.500	27.43	-16.15	54.0	-26.57	AV	193.00	100	Vertical	Pass
3	1963.500	43.10	-14.53	68.2	-25.10	Peak	164.00	100	Vertical	Pass
3**	1963.500	29.07	-14.53	54.0	-24.93	AV	164.00	100	Vertical	Pass
4	3584.000	47.86	-5.51	68.2	-20.34	Peak	218.00	100	Vertical	Pass
4**	3584.000	32.24	-5.51	54.0	-21.76	AV	218.00	100	Vertical	Pass
5	5295.000	83.18	-2.00	68.2	14.98	Peak	246.00	100	Vertical	N/A
5**	5295.000	75.05	-2.00	54.0	21.05	AV	246.00	100	Vertical	N/A
6	14598.250	55.52	12.46	68.2	-12.68	Peak	0.00	100	Vertical	Pass
6**	14598.250	46.38	12.46	54.0	-7.62	AV	0.00	100	Vertical	Pass

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



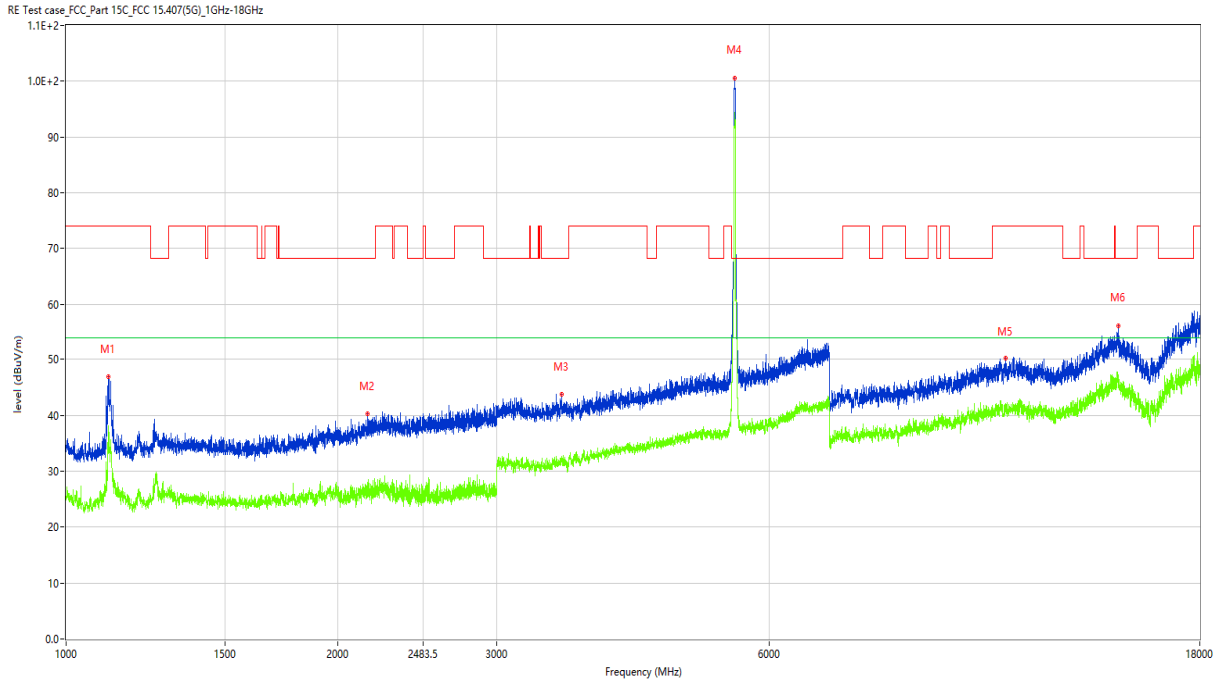
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1120.500	42.90	-17.12	74.0	-31.10	Peak	253.00	100	Horizontal	Pass
1**	1120.500	33.84	-17.12	54.0	-20.16	AV	253.00	100	Horizontal	Pass
2	1259.500	39.03	-16.26	68.2	-29.17	Peak	57.00	100	Horizontal	Pass
2**	1259.500	26.55	-16.26	54.0	-27.45	AV	57.00	100	Horizontal	Pass
3	3932.000	44.32	-4.41	74.0	-29.68	Peak	355.00	100	Horizontal	Pass
3**	3932.000	33.19	-4.41	54.0	-20.81	AV	355.00	100	Horizontal	Pass
4	5296.000	92.82	-2.29	68.2	24.62	Peak	195.00	100	Horizontal	N/A
4**	5296.000	84.69	-2.29	54.0	30.69	AV	195.00	100	Horizontal	N/A
5	10500.750	50.17	7.04	68.2	-18.03	Peak	254.00	100	Horizontal	Pass
5**	10500.750	40.00	7.04	54.0	-14.00	AV	254.00	100	Horizontal	Pass
6	14598.250	55.60	12.46	68.2	-12.60	Peak	360.00	100	Horizontal	Pass
6**	14598.250	47.87	12.46	54.0	-6.13	AV	360.00	100	Horizontal	Pass

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1115.500	46.49	-17.03	74.0	-27.51	Peak	228.00	100	Vertical	Pass
1**	1115.500	33.69	-17.03	54.0	-20.31	AV	228.00	100	Vertical	Pass
2	2513.000	42.98	-11.98	68.2	-25.22	Peak	360.00	100	Vertical	Pass
2**	2513.000	31.86	-11.98	54.0	-22.14	AV	360.00	100	Vertical	Pass
3	3581.000	45.08	-5.70	68.2	-23.12	Peak	19.00	100	Vertical	Pass
3**	3581.000	31.82	-5.70	54.0	-22.18	AV	19.00	100	Vertical	Pass
4	5498.000	90.53	-1.88	68.2	22.33	Peak	160.00	100	Vertical	N/A
4**	5498.000	83.02	-1.88	54.0	29.02	AV	160.00	100	Vertical	N/A
5	10753.750	50.75	7.29	74.0	-23.25	Peak	170.00	100	Vertical	Pass
5**	10753.750	40.47	7.29	54.0	-13.53	AV	170.00	100	Vertical	Pass
6	14590.000	56.68	12.45	68.2	-11.52	Peak	283.00	100	Vertical	Pass
6**	14590.000	46.13	12.45	54.0	-7.87	AV	283.00	100	Vertical	Pass

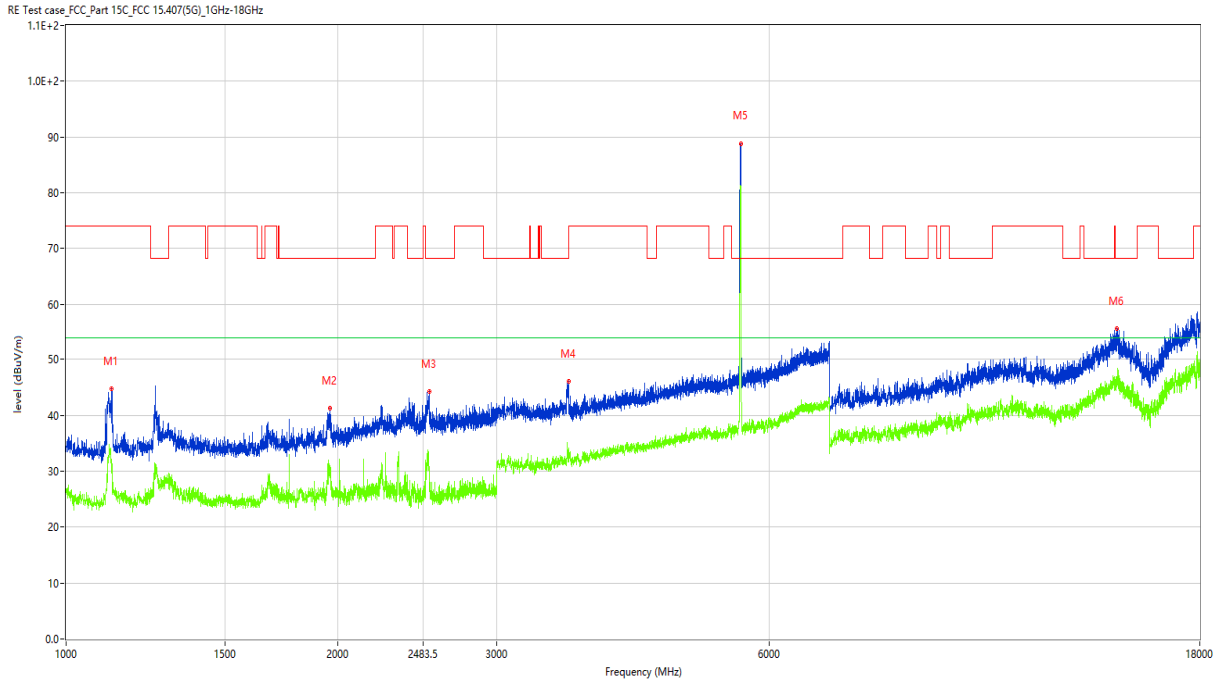
11a, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1114.000	46.86	-17.02	74.0	-27.14	Peak	250.00	100	Horizontal	Pass
1**	1114.000	34.80	-17.02	54.0	-19.20	AV	250.00	100	Horizontal	Pass
2	2155.000	40.29	-12.81	68.2	-27.91	Peak	250.00	100	Horizontal	Pass
2**	2155.000	27.33	-12.81	54.0	-26.67	AV	250.00	100	Horizontal	Pass
3	3535.000	43.76	-6.11	68.2	-24.44	Peak	83.00	100	Horizontal	Pass
3**	3535.000	32.67	-6.11	54.0	-21.33	AV	83.00	100	Horizontal	Pass
4	5502.000	100.63	-1.54	68.2	32.43	Peak	194.00	100	Horizontal	N/A
4**	5502.000	94.35	-1.54	54.0	40.35	AV	194.00	100	Horizontal	N/A
5	10971.000	50.18	7.08	74.0	-23.82	Peak	139.00	100	Horizontal	Pass
5**	10971.000	41.43	7.08	54.0	-12.57	AV	139.00	100	Horizontal	Pass
6	14636.750	56.23	12.01	68.2	-11.97	Peak	166.00	100	Horizontal	Pass
6**	14636.750	45.59	12.01	54.0	-8.41	AV	166.00	100	Horizontal	Pass

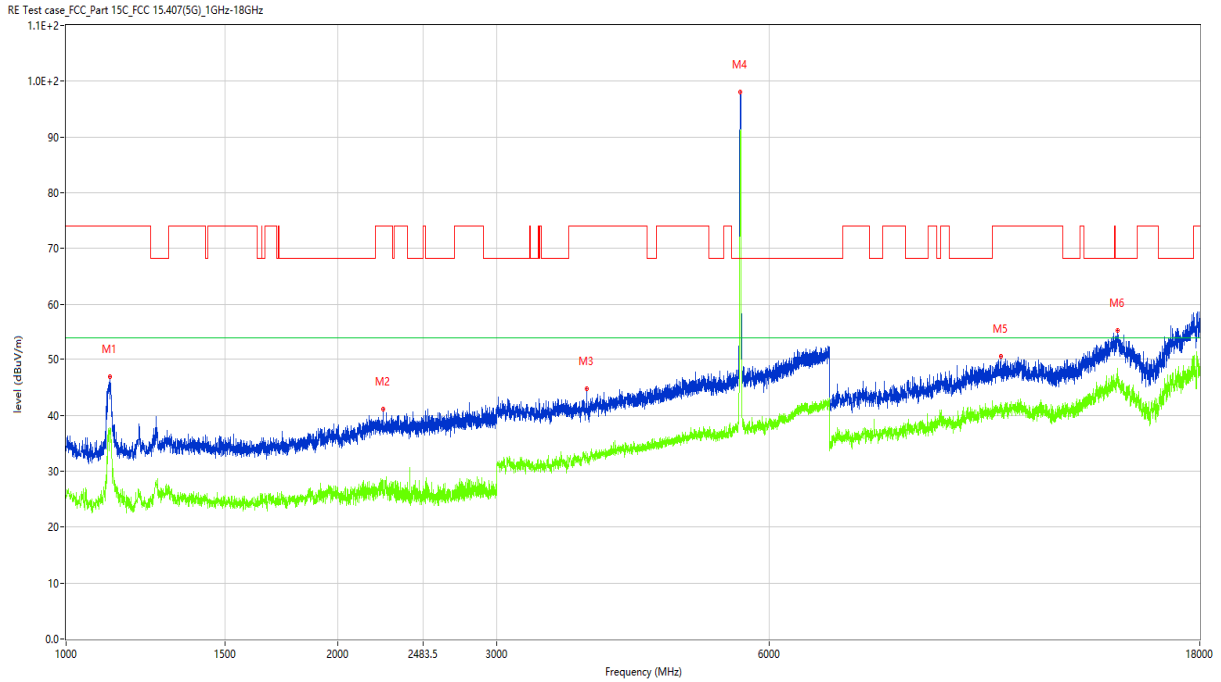


11a, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT V



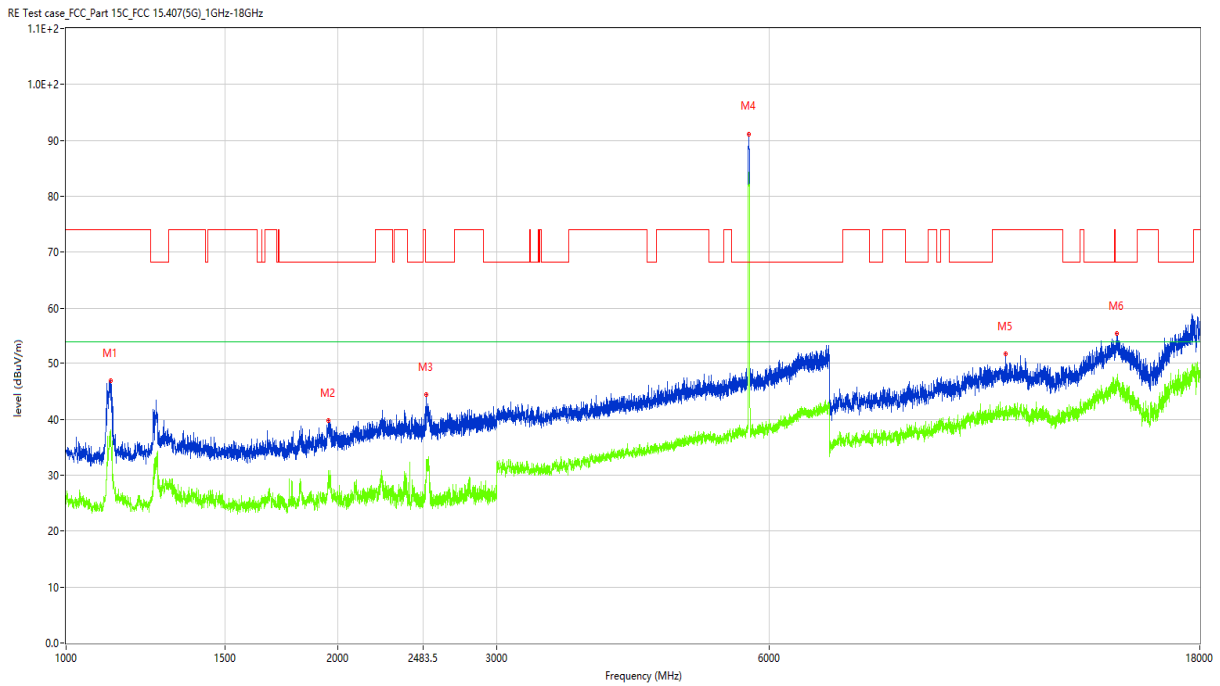
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1123.000	44.73	-17.22	74.0	-29.27	Peak	246.00	100	Vertical	Pass
1**	1123.000	29.62	-17.22	54.0	-24.38	AV	246.00	100	Vertical	Pass
2	1961.000	41.26	-14.52	68.2	-26.94	Peak	159.00	100	Vertical	Pass
2**	1961.000	29.33	-14.52	54.0	-24.67	AV	159.00	100	Vertical	Pass
3	2524.500	44.16	-12.04	68.2	-24.04	Peak	-1.00	100	Vertical	Pass
3**	2524.500	27.69	-12.04	54.0	-26.31	AV	-1.00	100	Vertical	Pass
4	3600.000	46.06	-6.34	68.2	-22.14	Peak	199.00	100	Vertical	Pass
4**	3600.000	34.16	-6.34	54.0	-19.84	AV	199.00	100	Vertical	Pass
5	5583.000	88.87	-1.81	68.2	20.67	Peak	171.00	100	Vertical	N/A
5**	5583.000	81.14	-1.81	54.0	27.14	AV	171.00	100	Vertical	N/A
6	14579.000	55.70	12.16	68.2	-12.50	Peak	246.00	100	Vertical	Pass
6**	14579.000	46.57	12.16	54.0	-7.43	AV	246.00	100	Vertical	Pass

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



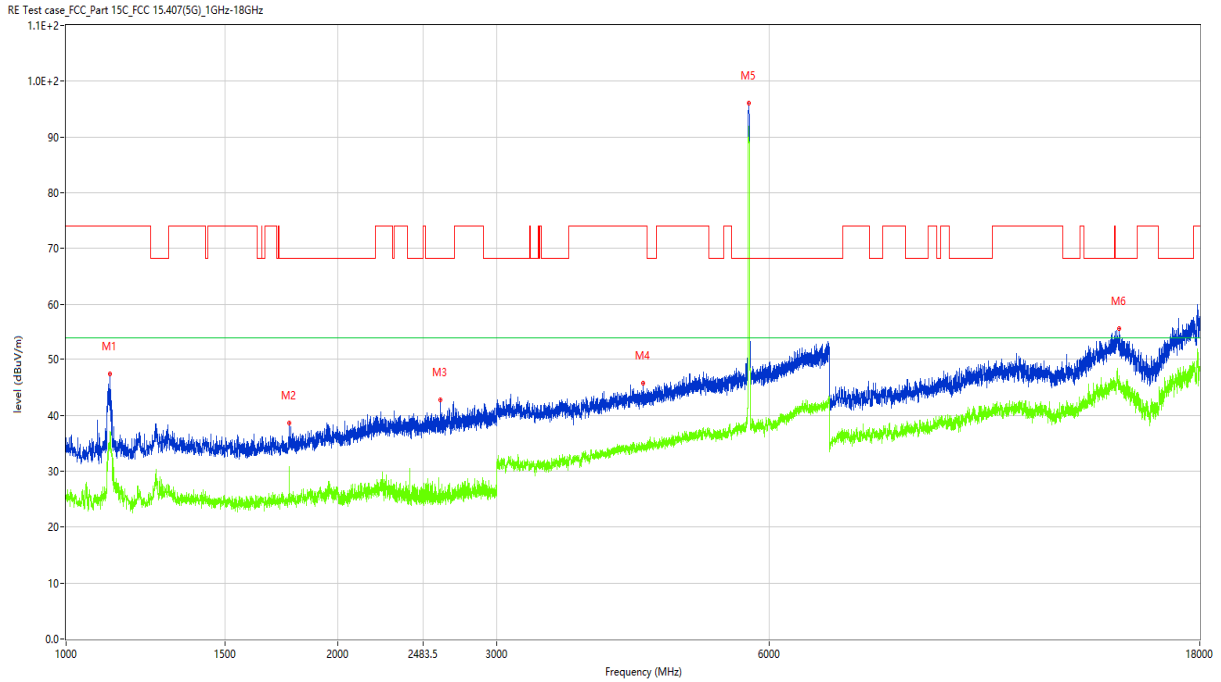
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1119.000	46.86	-16.95	74.0	-27.14	Peak	261.00	100	Horizontal	Pass
1**	1119.000	36.66	-16.95	54.0	-17.34	AV	261.00	100	Horizontal	Pass
2	2244.000	41.08	-12.05	74.0	-32.92	Peak	319.00	100	Horizontal	Pass
2**	2244.000	27.85	-12.05	54.0	-26.15	AV	319.00	100	Horizontal	Pass
3	3773.000	44.66	-5.45	74.0	-29.34	Peak	-1.00	100	Horizontal	Pass
3**	3773.000	32.11	-5.45	54.0	-21.89	AV	-1.00	100	Horizontal	Pass
4	5581.000	98.02	-1.94	68.2	29.82	Peak	189.00	100	Horizontal	N/A
4**	5581.000	89.92	-1.94	54.0	35.92	AV	189.00	100	Horizontal	N/A
5	10830.750	50.58	7.07	74.0	-23.42	Peak	58.00	100	Horizontal	Pass
5**	10830.750	41.02	7.07	54.0	-12.98	AV	58.00	100	Horizontal	Pass
6	14584.500	55.26	12.31	68.2	-12.94	Peak	6.00	100	Horizontal	Pass
6**	14584.500	47.18	12.31	54.0	-6.82	AV	6.00	100	Horizontal	Pass

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



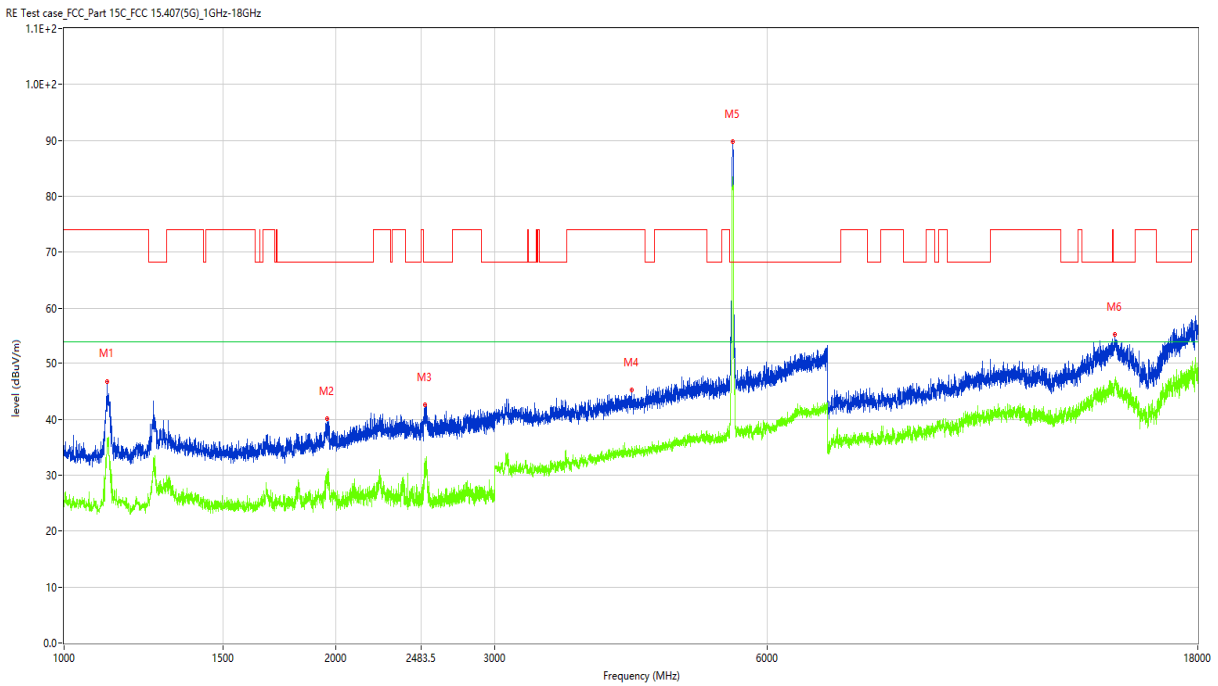
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1119.500	46.93	-17.06	74.0	-27.07	Peak	206.00	100	Vertical	Pass
1**	1119.500	37.28	-17.06	54.0	-16.72	AV	206.00	100	Vertical	Pass
2	1950.500	39.75	-14.28	68.2	-28.45	Peak	148.00	100	Vertical	Pass
2**	1950.500	27.72	-14.28	54.0	-26.28	AV	148.00	100	Vertical	Pass
3	2506.500	44.35	-11.57	68.2	-23.85	Peak	361.00	100	Vertical	Pass
3**	2506.500	29.40	-11.57	54.0	-24.60	AV	361.00	100	Vertical	Pass
4	5703.000	91.18	-0.80	68.2	22.98	Peak	155.00	100	Vertical	N/A
4**	5703.000	83.70	-0.80	54.0	29.70	AV	155.00	100	Vertical	N/A
5	10976.500	51.75	7.14	74.0	-22.25	Peak	360.00	100	Vertical	Pass
5**	10976.500	41.02	7.14	54.0	-12.98	AV	360.00	100	Vertical	Pass
6	14559.750	55.49	11.51	68.2	-12.71	Peak	360.00	100	Vertical	Pass
6**	14559.750	45.11	11.51	54.0	-8.89	AV	360.00	100	Vertical	Pass

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



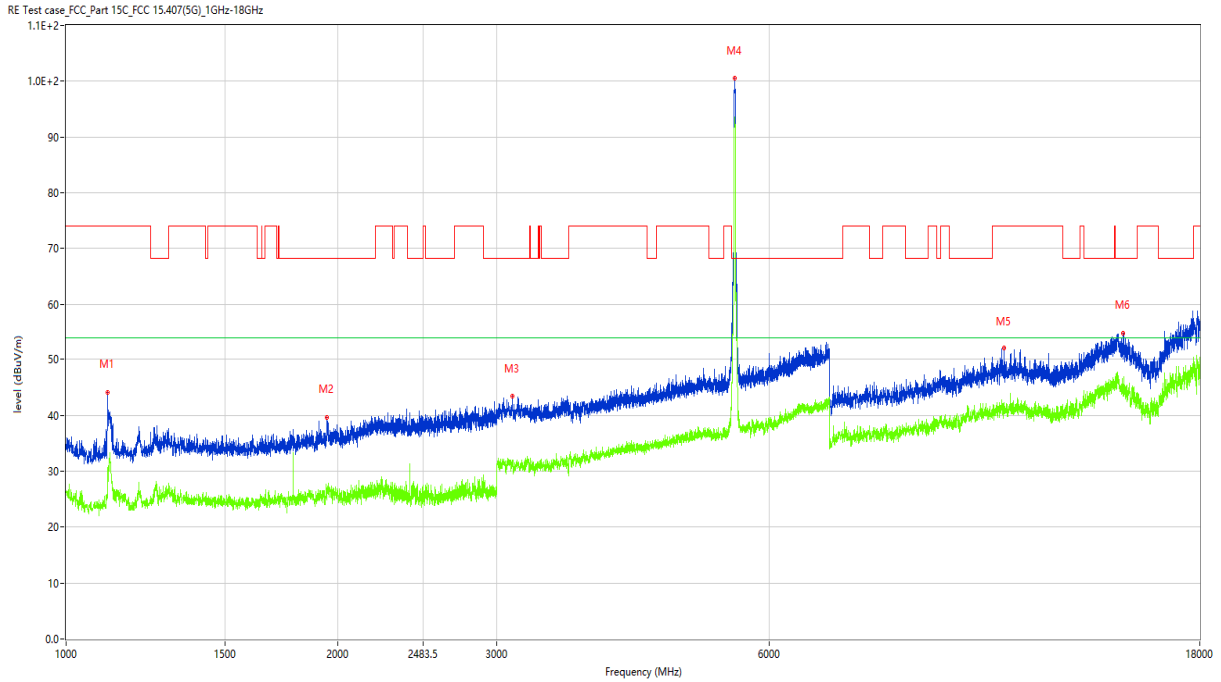
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1119.000	47.35	-16.95	74.0	-26.65	Peak	42.00	100	Horizontal	Pass
1**	1119.000	37.12	-16.95	54.0	-16.88	AV	42.00	100	Horizontal	Pass
2	1766.000	38.57	-15.39	68.2	-29.63	Peak	14.00	100	Horizontal	Pass
2**	1766.000	25.70	-15.39	54.0	-28.30	AV	14.00	100	Horizontal	Pass
3	2598.500	42.66	-11.17	68.2	-25.54	Peak	14.00	100	Horizontal	Pass
3**	2598.500	26.83	-11.17	54.0	-27.17	AV	14.00	100	Horizontal	Pass
4	4351.000	45.77	-3.80	74.0	-28.23	Peak	289.00	100	Horizontal	Pass
4**	4351.000	34.31	-3.80	54.0	-19.69	AV	289.00	100	Horizontal	Pass
5	5703.000	96.13	-0.80	68.2	27.93	Peak	145.00	100	Horizontal	N/A
5**	5703.000	91.42	-0.80	54.0	37.42	AV	145.00	100	Horizontal	N/A
6	14642.250	55.63	11.95	68.2	-12.57	Peak	301.00	100	Horizontal	Pass
6**	14642.250	46.48	11.95	54.0	-7.52	AV	301.00	100	Horizontal	Pass

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



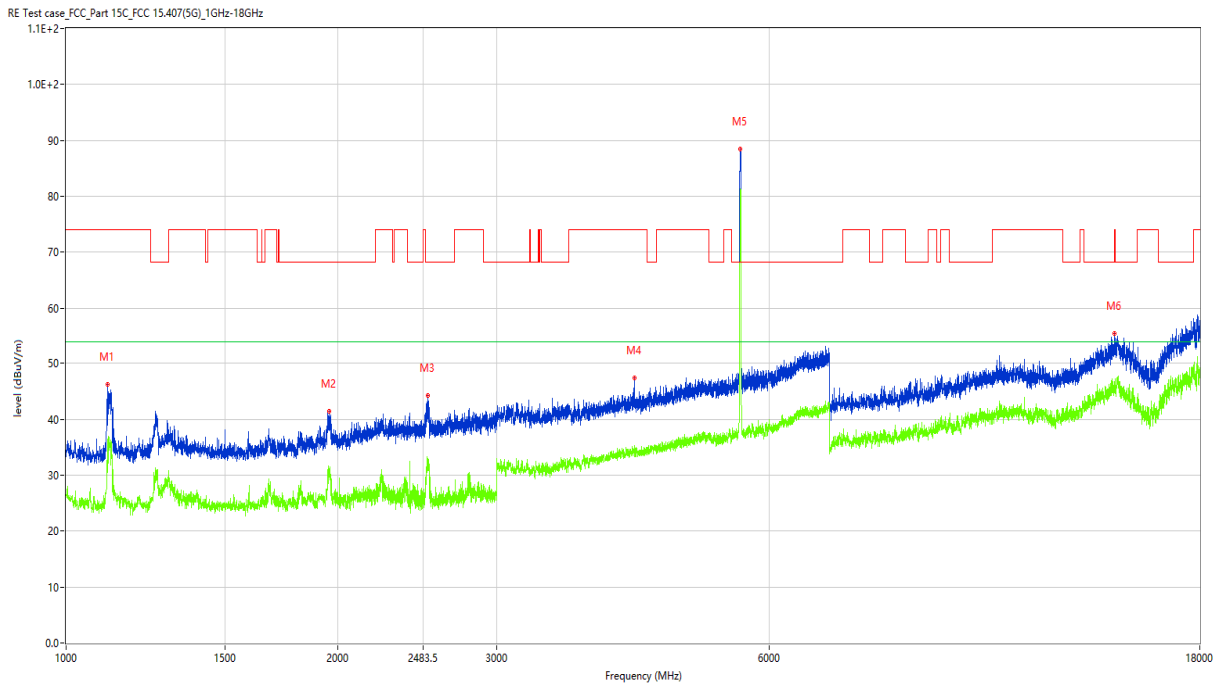
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1116.000	46.79	-16.99	74.0	-27.21	Peak	210.00	100	Vertical	Pass
1**	1116.000	36.61	-16.99	54.0	-17.39	AV	210.00	100	Vertical	Pass
2	1957.500	40.09	-14.69	68.2	-28.11	Peak	181.00	100	Vertical	Pass
2**	1957.500	30.17	-14.69	54.0	-23.83	AV	181.00	100	Vertical	Pass
3	2507.500	42.62	-11.58	68.2	-25.58	Peak	354.00	100	Vertical	Pass
3**	2507.500	31.47	-11.58	54.0	-22.53	AV	354.00	100	Vertical	Pass
4	4251.000	45.17	-3.63	74.0	-28.83	Peak	177.00	100	Vertical	Pass
4**	4251.000	34.56	-3.63	54.0	-19.44	AV	177.00	100	Vertical	Pass
5	5503.000	89.82	-1.42	68.2	21.62	Peak	148.00	100	Vertical	N/A
5**	5503.000	83.48	-1.42	54.0	29.48	AV	148.00	100	Vertical	N/A
6	14562.500	55.35	11.59	68.2	-12.85	Peak	68.00	100	Vertical	Pass
6**	14562.500	45.60	11.59	54.0	-8.40	AV	68.00	100	Vertical	Pass

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



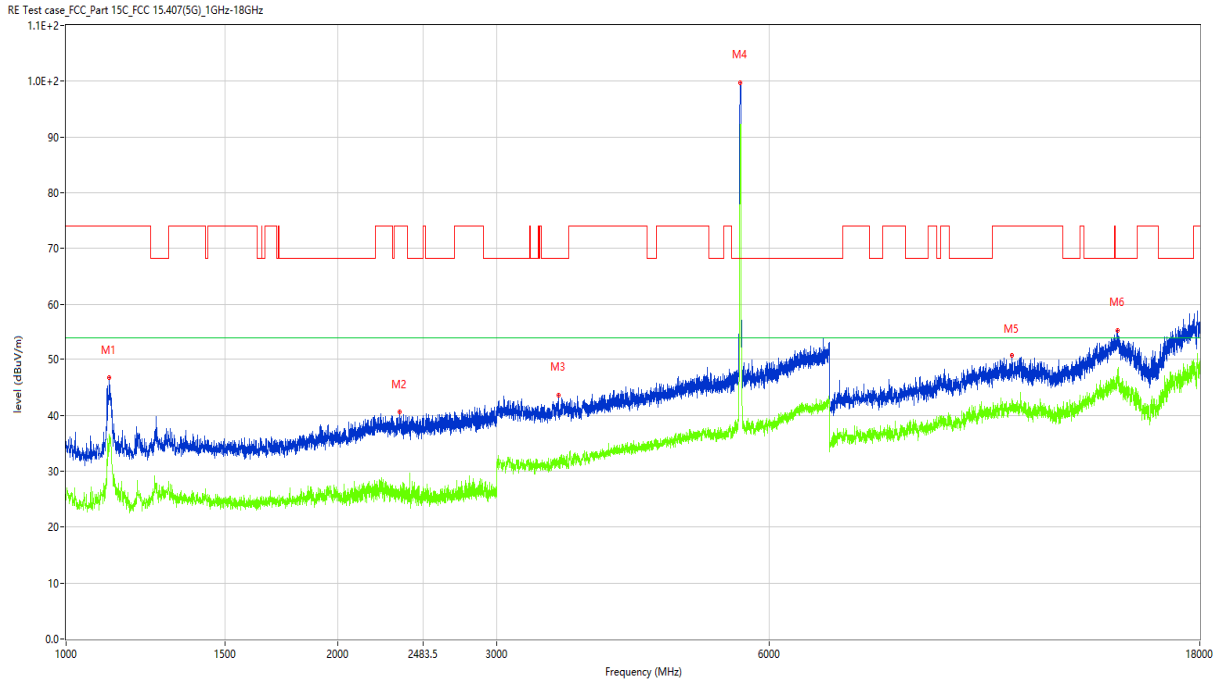
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1112.000	44.14	-17.23	74.0	-29.86	Peak	269.00	100	Horizontal	Pass
1**	1112.000	29.47	-17.23	54.0	-24.53	AV	269.00	100	Horizontal	Pass
2	1942.500	39.67	-14.17	68.2	-28.53	Peak	90.00	100	Horizontal	Pass
2**	1942.500	25.53	-14.17	54.0	-28.47	AV	90.00	100	Horizontal	Pass
3	3121.000	43.42	-6.32	68.2	-24.78	Peak	354.00	100	Horizontal	Pass
3**	3121.000	31.80	-6.32	54.0	-22.20	AV	354.00	100	Horizontal	Pass
4	5501.000	100.49	-1.65	68.2	32.29	Peak	214.00	100	Horizontal	N/A
4**	5501.000	92.23	-1.65	54.0	38.23	AV	214.00	100	Horizontal	N/A
5	10935.250	52.05	7.39	74.0	-21.95	Peak	323.00	100	Horizontal	Pass
5**	10935.250	42.31	7.39	54.0	-11.69	AV	323.00	100	Horizontal	Pass
6	14815.500	54.91	13.46	68.2	-13.29	Peak	7.00	100	Horizontal	Pass
6**	14815.500	43.50	13.46	54.0	-10.50	AV	7.00	100	Horizontal	Pass

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1111.000	46.18	-17.01	74.0	-27.82	Peak	217.00	100	Vertical	Pass
1**	1111.000	31.24	-17.01	54.0	-22.76	AV	217.00	100	Vertical	Pass
2	1954.500	41.36	-14.62	68.2	-26.84	Peak	188.00	100	Vertical	Pass
2**	1954.500	31.16	-14.62	54.0	-22.84	AV	188.00	100	Vertical	Pass
3	2514.500	44.23	-11.55	68.2	-23.97	Peak	360.00	100	Vertical	Pass
3**	2514.500	32.69	-11.55	54.0	-21.31	AV	360.00	100	Vertical	Pass
4	4256.000	47.38	-3.53	74.0	-26.62	Peak	268.00	100	Vertical	Pass
4**	4256.000	34.54	-3.53	54.0	-19.46	AV	268.00	100	Vertical	Pass
5	5582.000	88.50	-1.94	68.2	20.30	Peak	150.00	100	Vertical	N/A
5**	5582.000	81.29	-1.94	54.0	27.29	AV	150.00	100	Vertical	N/A
6	14485.500	55.45	12.03	74.0	-18.55	Peak	329.00	100	Vertical	Pass
6**	14485.500	46.23	12.03	54.0	-7.77	AV	329.00	100	Vertical	Pass

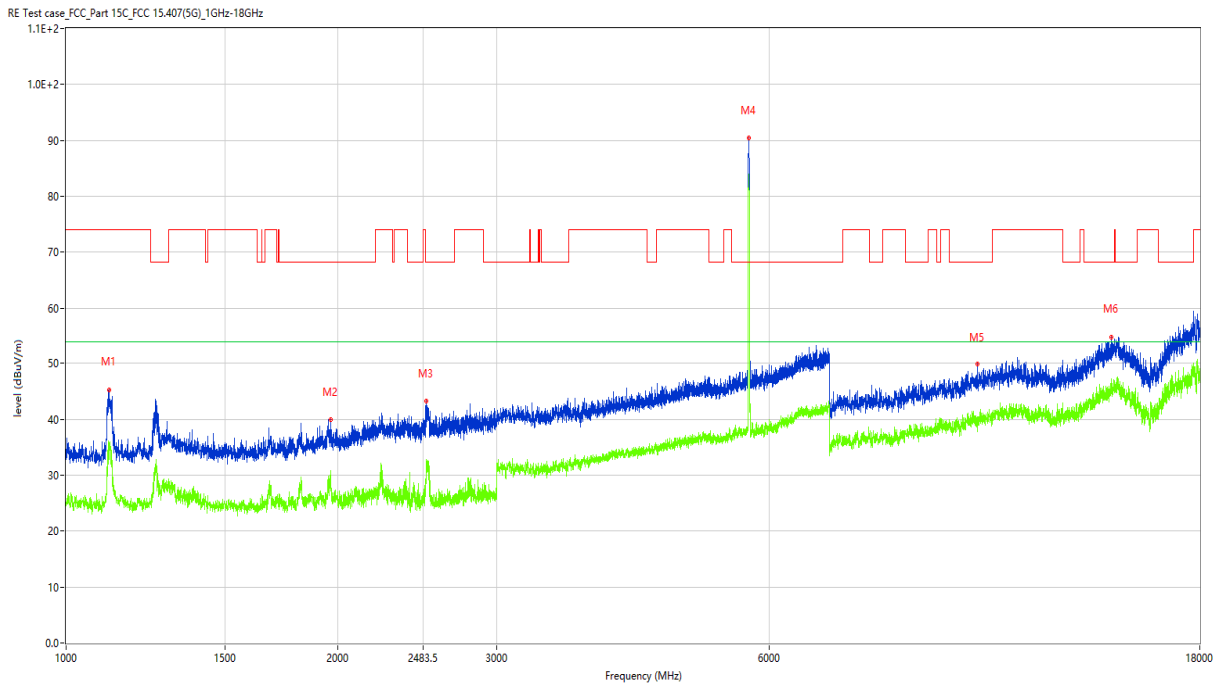
11n20, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1115.500	46.75	-17.03	74.0	-27.25	Peak	296.00	100	Horizontal	Pass
1**	1115.500	36.35	-17.03	54.0	-17.65	AV	296.00	100	Horizontal	Pass
2	2341.500	40.62	-11.81	74.0	-33.38	Peak	59.00	100	Horizontal	Pass
2**	2341.500	25.38	-11.81	54.0	-28.62	AV	59.00	100	Horizontal	Pass
3	3508.000	43.63	-6.69	68.2	-24.57	Peak	360.00	100	Horizontal	Pass
3**	3508.000	31.23	-6.69	54.0	-22.77	AV	360.00	100	Horizontal	Pass
4	5582.000	99.80	-1.94	68.2	31.60	Peak	209.00	100	Horizontal	N/A
4**	5582.000	92.29	-1.94	54.0	38.29	AV	209.00	100	Horizontal	N/A
5	11144.250	50.65	6.58	74.0	-23.35	Peak	123.00	100	Horizontal	Pass
5**	11144.250	40.71	6.58	54.0	-13.29	AV	123.00	100	Horizontal	Pass
6	14601.000	55.40	12.44	68.2	-12.80	Peak	212.00	100	Horizontal	Pass
6**	14601.000	47.92	12.44	54.0	-6.08	AV	212.00	100	Horizontal	Pass

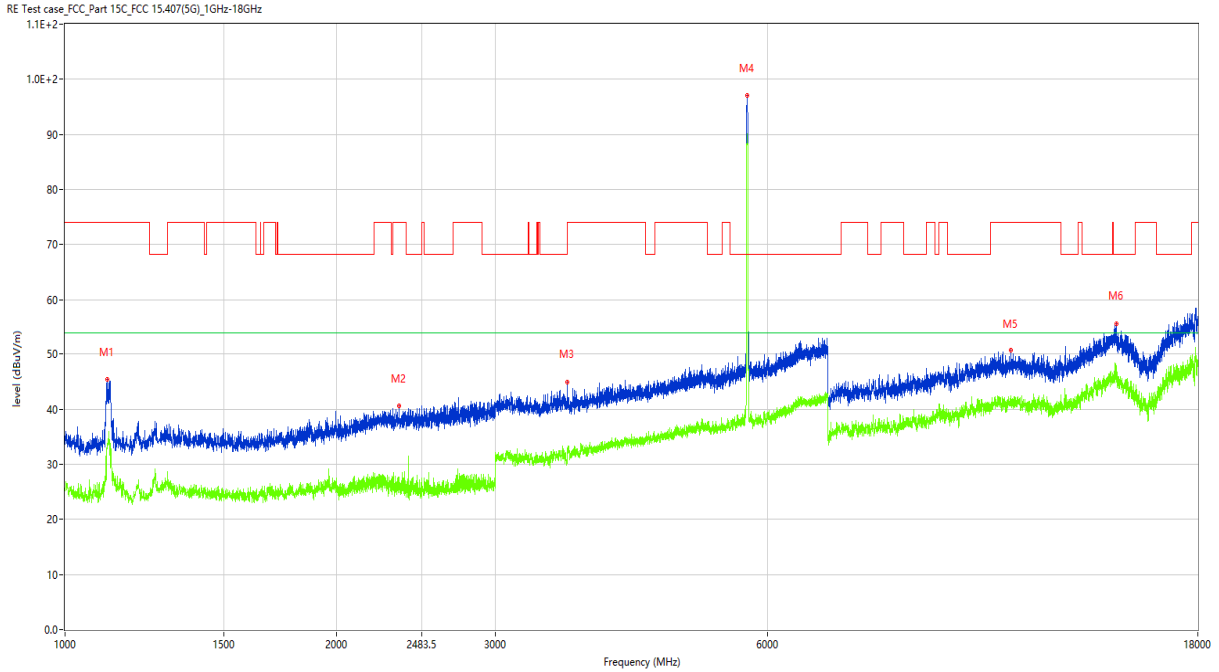


11n20, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT V



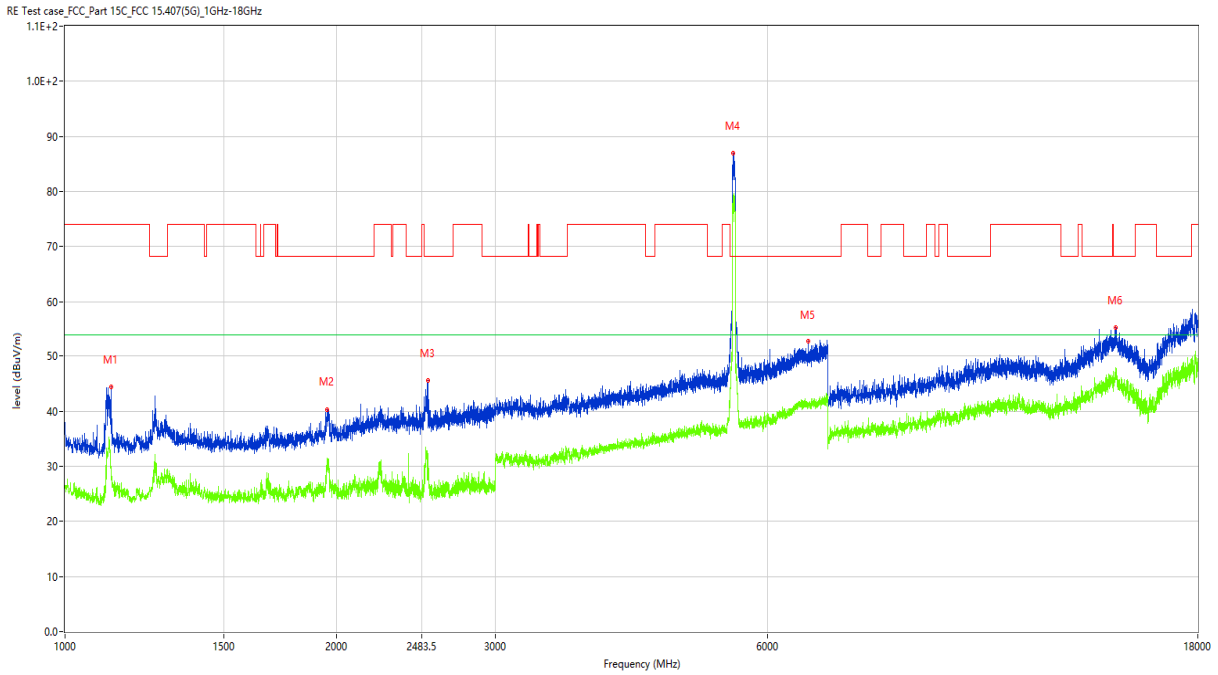
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1116.500	45.30	-17.00	74.0	-28.70	Peak	239.00	100	Vertical	Pass
1**	1116.500	35.41	-17.00	54.0	-18.59	AV	239.00	100	Vertical	Pass
2	1962.000	39.91	-14.58	68.2	-28.29	Peak	179.00	100	Vertical	Pass
2**	1962.000	28.70	-14.58	54.0	-25.30	AV	179.00	100	Vertical	Pass
3	2503.500	43.24	-11.50	68.2	-24.96	Peak	1.00	100	Vertical	Pass
3**	2503.500	29.23	-11.50	54.0	-24.77	AV	1.00	100	Vertical	Pass
4	5699.000	90.43	-1.11	68.2	22.23	Peak	121.00	100	Vertical	N/A
4**	5699.000	82.59	-1.11	54.0	28.59	AV	121.00	100	Vertical	N/A
5	10214.750	49.91	7.41	68.2	-18.29	Peak	119.00	100	Vertical	Pass
5**	10214.750	38.67	7.41	54.0	-15.33	AV	119.00	100	Vertical	Pass
6	14353.500	54.78	12.85	68.2	-13.42	Peak	0.00	100	Vertical	Pass
6**	14353.500	45.40	12.85	54.0	-8.60	AV	0.00	100	Vertical	Pass

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1114.500	45.34	-16.94	74.0	-28.66	Peak	274.00	100	Horizontal	Pass
1**	1114.500	33.76	-16.94	54.0	-20.24	AV	274.00	100	Horizontal	Pass
2	2345.500	40.50	-12.01	74.0	-33.50	Peak	274.00	100	Horizontal	Pass
2**	2345.500	25.41	-12.01	54.0	-28.59	AV	274.00	100	Horizontal	Pass
3	3601.000	44.97	-6.21	74.0	-29.03	Peak	0.00	100	Horizontal	Pass
3**	3601.000	31.75	-6.21	54.0	-22.25	AV	0.00	100	Horizontal	Pass
4	5699.000	97.10	-1.11	68.2	28.90	Peak	149.00	100	Horizontal	N/A
4**	5699.000	89.52	-1.11	54.0	35.52	AV	149.00	100	Horizontal	N/A
5	11174.500	50.61	7.16	74.0	-23.39	Peak	63.00	100	Horizontal	Pass
5**	11174.500	40.63	7.16	54.0	-13.37	AV	63.00	100	Horizontal	Pass
6	14617.500	55.73	12.12	68.2	-12.47	Peak	360.00	100	Horizontal	Pass
6**	14617.500	45.61	12.12	54.0	-8.39	AV	360.00	100	Horizontal	Pass

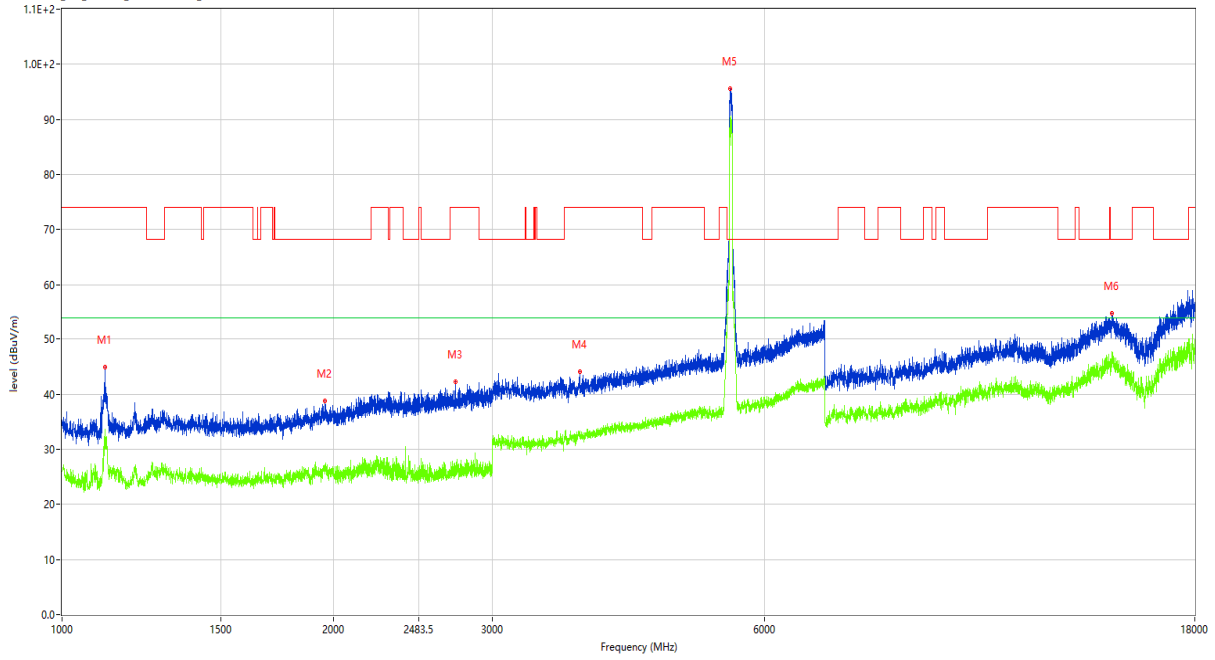
11n40, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1125.500	44.35	-17.12	74.0	-29.65	Peak	218.00	100	Vertical	Pass
1**	1125.500	27.50	-17.12	54.0	-26.50	AV	218.00	100	Vertical	Pass
2	1951.000	40.31	-14.28	68.2	-27.89	Peak	156.00	100	Vertical	Pass
2**	1951.000	31.50	-14.28	54.0	-22.50	AV	156.00	100	Vertical	Pass
3	2523.000	45.48	-11.89	68.2	-22.72	Peak	361.00	100	Vertical	Pass
3**	2523.000	30.23	-11.89	54.0	-23.77	AV	361.00	100	Vertical	Pass
4	5505.000	87.00	-1.31	68.2	18.80	Peak	172.00	100	Vertical	N/A
4**	5505.000	79.15	-1.31	54.0	25.15	AV	172.00	100	Vertical	N/A
5	6661.000	52.64	1.68	68.2	-15.56	Peak	352.00	100	Vertical	Pass
5**	6661.000	41.16	1.68	54.0	-12.84	AV	352.00	100	Vertical	Pass
6	14598.250	55.41	12.46	68.2	-12.79	Peak	311.00	100	Vertical	Pass
6**	14598.250	45.71	12.46	54.0	-8.29	AV	311.00	100	Vertical	Pass

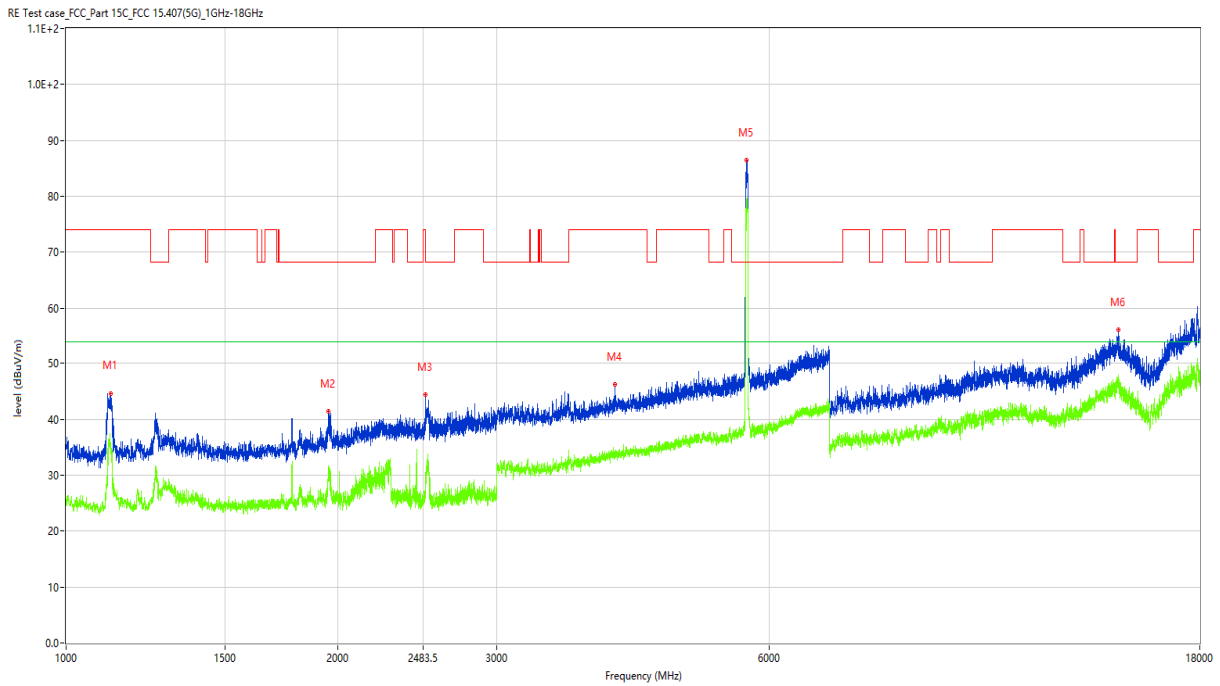
11n40, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT H

RE Test case FCC\_Part 15C\_FCC 15.407(5G)\_1GHz-18GHz



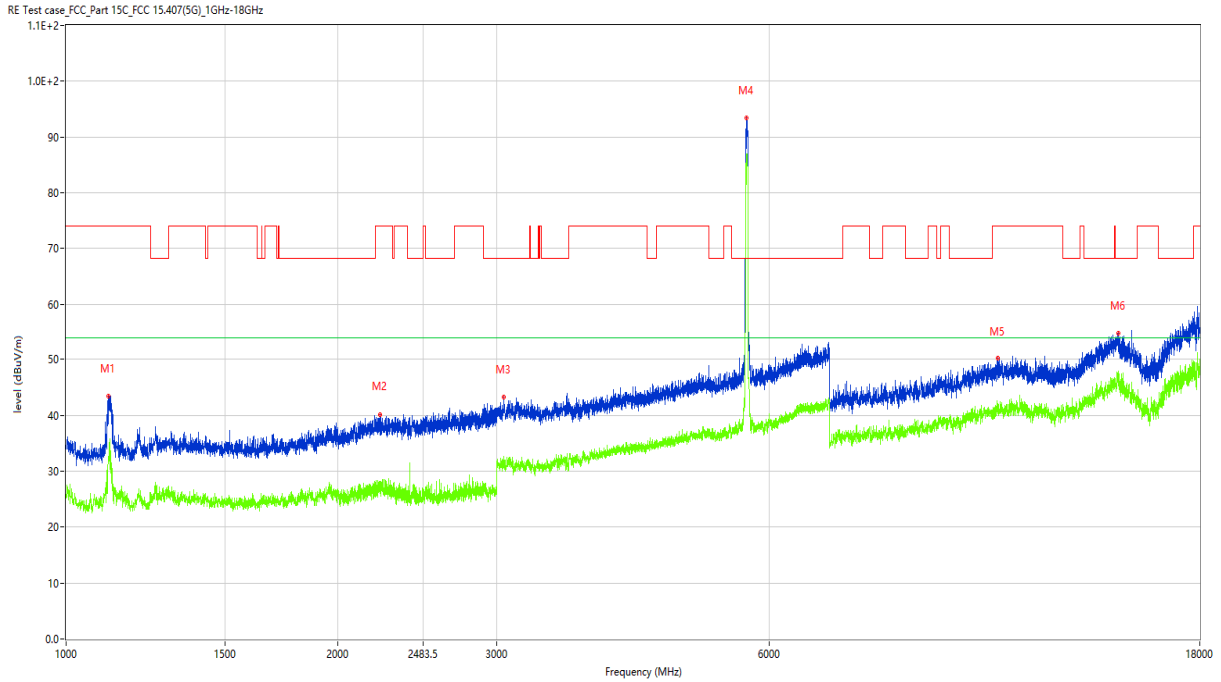
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1115.000	44.89	-17.03	74.0	-29.11	Peak	266.00	100	Horizontal	Pass
1**	1115.000	29.93	-17.03	54.0	-24.07	AV	266.00	100	Horizontal	Pass
2	1956.000	38.71	-14.74	68.2	-29.49	Peak	266.00	100	Horizontal	Pass
2**	1956.000	27.07	-14.74	54.0	-26.93	AV	266.00	100	Horizontal	Pass
3	2730.500	42.17	-10.76	74.0	-31.83	Peak	146.00	100	Horizontal	Pass
3**	2730.500	25.22	-10.76	54.0	-28.78	AV	146.00	100	Horizontal	Pass
4	3750.000	44.11	-4.64	74.0	-29.89	Peak	8.00	100	Horizontal	Pass
4**	3750.000	32.67	-4.64	54.0	-21.33	AV	8.00	100	Horizontal	Pass
5	5505.000	95.55	-1.31	68.2	27.35	Peak	213.00	100	Horizontal	N/A
5**	5505.000	90.09	-1.31	54.0	36.09	AV	213.00	100	Horizontal	N/A
6	14576.250	54.86	12.06	68.2	-13.34	Peak	87.00	100	Horizontal	Pass
6**	14576.250	46.31	12.06	54.0	-7.69	AV	87.00	100	Horizontal	Pass

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



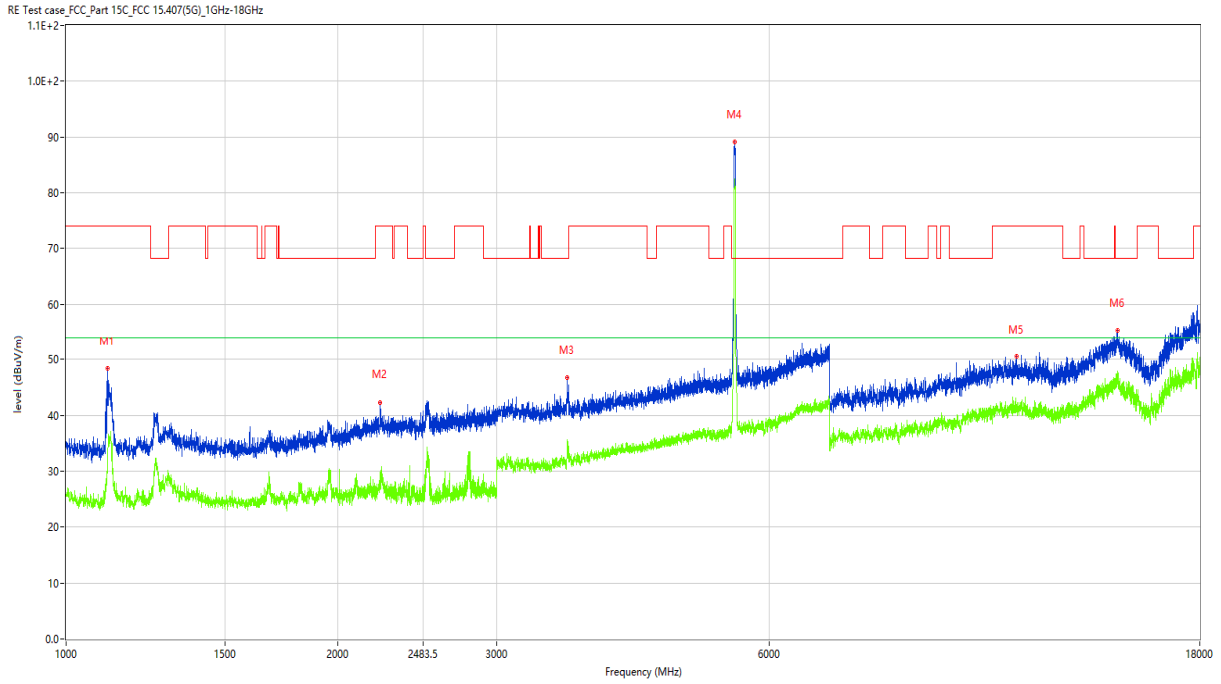
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1121.000	44.64	-17.26	74.0	-29.36	Peak	234.00	100	Vertical	Pass
1**	1121.000	35.16	-17.26	54.0	-18.84	AV	234.00	100	Vertical	Pass
2	1952.000	41.38	-14.30	68.2	-26.82	Peak	173.00	100	Vertical	Pass
2**	1952.000	29.32	-14.30	54.0	-24.68	AV	173.00	100	Vertical	Pass
3	2502.000	44.41	-11.27	68.2	-23.79	Peak	204.00	100	Vertical	Pass
3**	2502.000	28.87	-11.27	54.0	-25.13	AV	204.00	100	Vertical	Pass
4	4056.000	46.19	-3.97	74.0	-27.81	Peak	277.00	100	Vertical	Pass
4**	4056.000	33.72	-3.97	54.0	-20.28	AV	277.00	100	Vertical	Pass
5	5667.000	86.42	-1.35	68.2	18.22	Peak	185.00	100	Vertical	N/A
5**	5667.000	79.34	-1.35	54.0	25.34	AV	185.00	100	Vertical	N/A
6	14628.500	56.15	12.02	68.2	-12.05	Peak	50.00	100	Vertical	Pass
6**	14628.500	45.77	12.02	54.0	-8.23	AV	50.00	100	Vertical	Pass

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



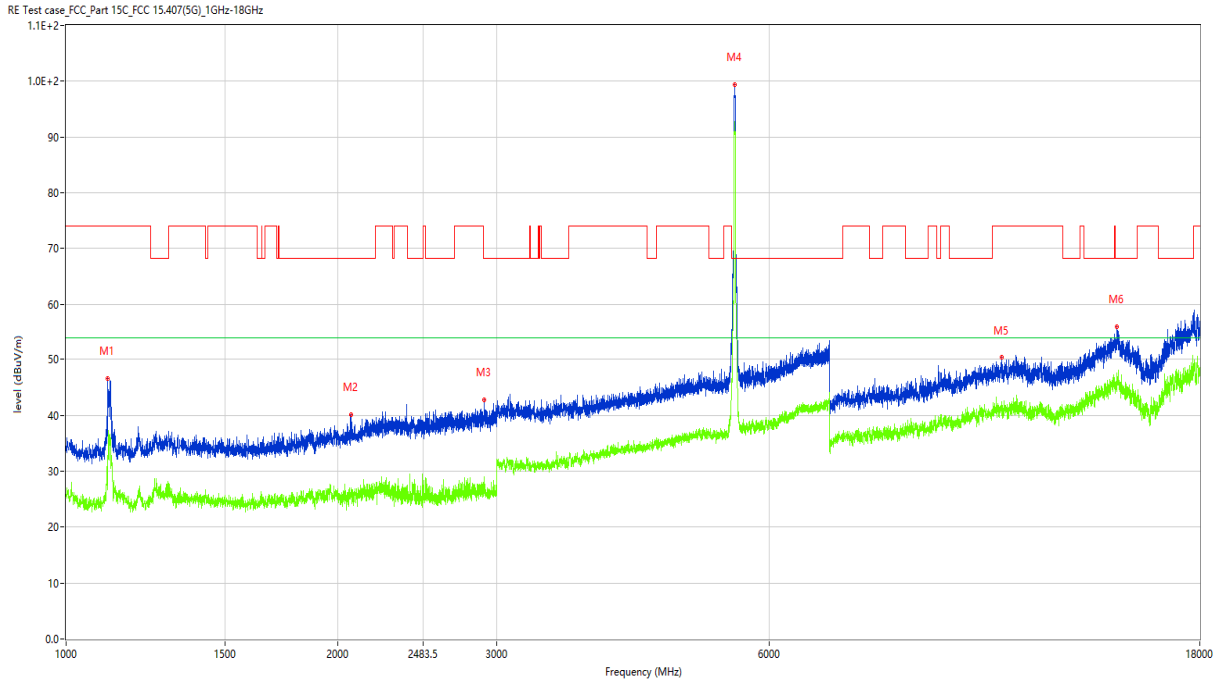
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1114.000	43.42	-17.02	74.0	-30.58	Peak	95.00	100	Horizontal	Pass
1**	1114.000	31.50	-17.02	54.0	-22.50	AV	95.00	100	Horizontal	Pass
2	2228.500	40.15	-12.49	74.0	-33.85	Peak	251.00	100	Horizontal	Pass
2**	2228.500	26.52	-12.49	54.0	-27.48	AV	251.00	100	Horizontal	Pass
3	3054.000	43.25	-6.69	68.2	-24.95	Peak	235.00	100	Horizontal	Pass
3**	3054.000	31.35	-6.69	54.0	-22.65	AV	235.00	100	Horizontal	Pass
4	5671.000	93.36	-1.44	68.2	25.16	Peak	142.00	100	Horizontal	N/A
4**	5671.000	81.49	-1.44	54.0	27.49	AV	142.00	100	Horizontal	N/A
5	10751.000	50.21	7.25	74.0	-23.79	Peak	248.00	100	Horizontal	Pass
5**	10751.000	40.58	7.25	54.0	-13.42	AV	248.00	100	Horizontal	Pass
6	14634.000	54.87	12.01	68.2	-13.33	Peak	9.00	100	Horizontal	Pass
6**	14634.000	45.16	12.01	54.0	-8.84	AV	9.00	100	Horizontal	Pass

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1110.500	48.33	-17.04	74.0	-25.67	Peak	223.00	100	Vertical	Pass
1**	1110.500	31.42	-17.04	54.0	-22.58	AV	223.00	100	Vertical	Pass
2	2228.000	42.29	-12.44	74.0	-31.71	Peak	316.00	100	Vertical	Pass
2**	2228.000	28.92	-12.44	54.0	-25.08	AV	316.00	100	Vertical	Pass
3	3588.000	46.74	-5.56	68.2	-21.46	Peak	46.00	100	Vertical	Pass
3**	3588.000	35.56	-5.56	54.0	-18.44	AV	46.00	100	Vertical	Pass
4	5502.000	89.18	-1.54	68.2	20.98	Peak	170.00	100	Vertical	N/A
4**	5502.000	82.42	-1.54	54.0	28.42	AV	170.00	100	Vertical	N/A
5	11290.000	50.58	6.56	74.0	-23.42	Peak	314.00	100	Vertical	Pass
5**	11290.000	41.82	6.56	54.0	-12.18	AV	314.00	100	Vertical	Pass
6	14601.000	55.38	12.44	68.2	-12.82	Peak	96.00	100	Vertical	Pass
6**	14601.000	47.89	12.44	54.0	-6.11	AV	96.00	100	Vertical	Pass

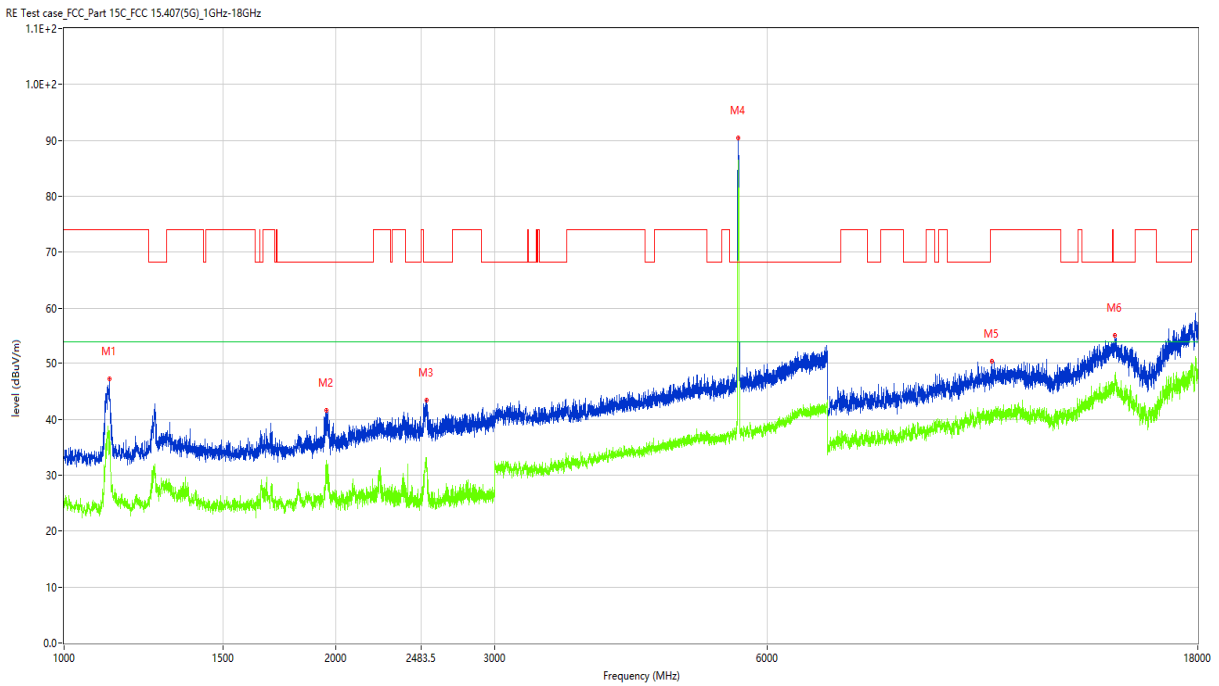
11ac20, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1111.500	46.49	-17.13	74.0	-27.51	Peak	294.00	100	Horizontal	Pass
1**	1111.500	31.91	-17.13	54.0	-22.09	AV	294.00	100	Horizontal	Pass
2	2066.000	40.14	-13.57	68.2	-28.06	Peak	351.00	100	Horizontal	Pass
2**	2066.000	25.30	-13.57	54.0	-28.70	AV	351.00	100	Horizontal	Pass
3	2903.000	42.68	-9.35	68.2	-25.52	Peak	0.00	100	Horizontal	Pass
3**	2903.000	27.53	-9.35	54.0	-26.47	AV	0.00	100	Horizontal	Pass
4	5499.000	99.32	-1.81	68.2	31.12	Peak	218.00	100	Horizontal	N/A
4**	5499.000	92.82	-1.81	54.0	38.82	AV	218.00	100	Horizontal	N/A
5	10863.750	50.32	7.10	74.0	-23.68	Peak	47.00	100	Horizontal	Pass
5**	10863.750	40.76	7.10	54.0	-13.24	AV	47.00	100	Horizontal	Pass
6	14573.500	56.04	11.96	68.2	-12.16	Peak	78.00	100	Horizontal	Pass
6**	14573.500	46.33	11.96	54.0	-7.67	AV	78.00	100	Horizontal	Pass

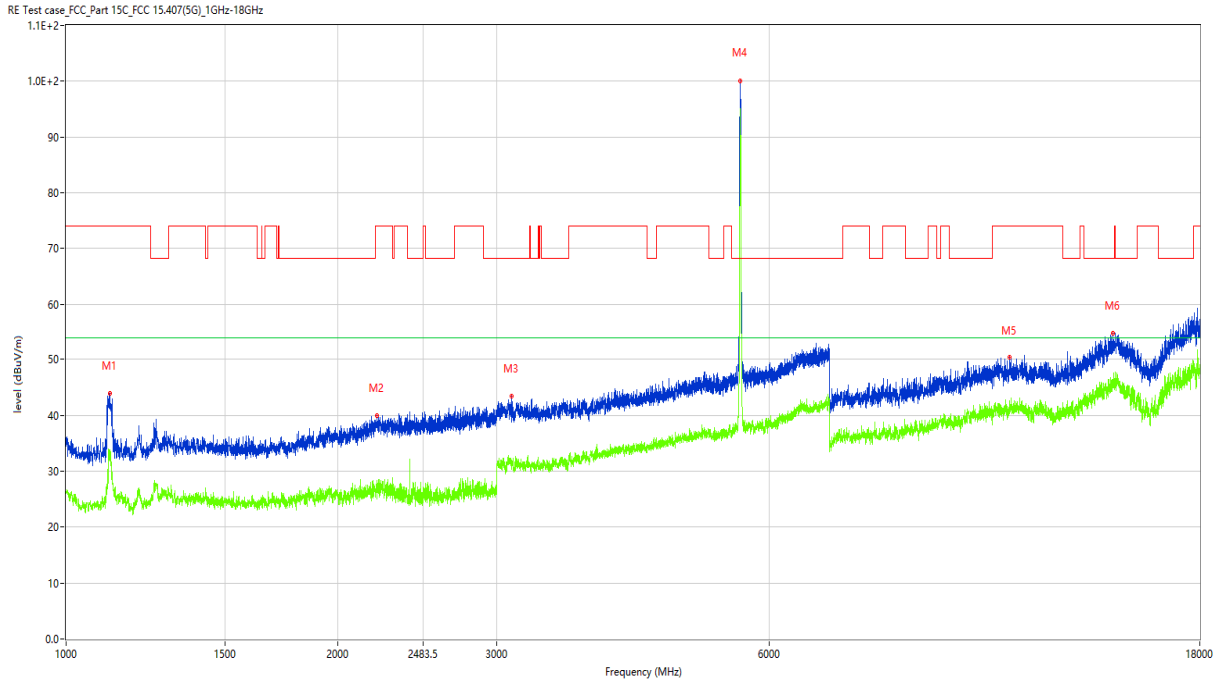


11ac20, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT V



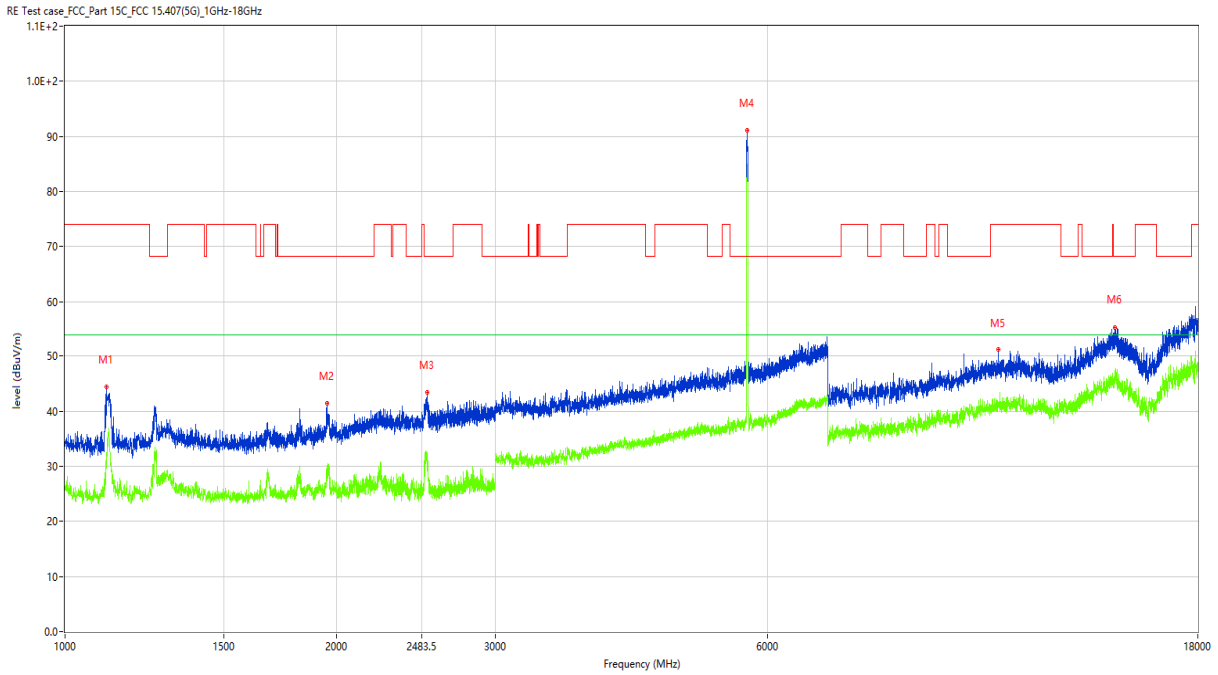
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1123.000	47.19	-17.22	74.0	-26.81	Peak	200.00	100	Vertical	Pass
1**	1123.000	33.85	-17.22	54.0	-20.15	AV	200.00	100	Vertical	Pass
2	1952.500	41.55	-14.38	68.2	-26.65	Peak	168.00	100	Vertical	Pass
2**	1952.500	31.29	-14.38	54.0	-22.71	AV	168.00	100	Vertical	Pass
3	2520.000	43.36	-11.89	68.2	-24.84	Peak	0.00	100	Vertical	Pass
3**	2520.000	32.01	-11.89	54.0	-21.99	AV	0.00	100	Vertical	Pass
4	5580.000	90.42	-2.01	68.2	22.22	Peak	160.00	100	Vertical	N/A
4**	5580.000	81.88	-2.01	54.0	27.88	AV	160.00	100	Vertical	N/A
5	10643.750	50.43	6.83	74.0	-23.57	Peak	170.00	100	Vertical	Pass
5**	10643.750	40.77	6.83	54.0	-13.23	AV	170.00	100	Vertical	Pass
6	14562.500	55.19	11.59	68.2	-13.01	Peak	233.00	100	Vertical	Pass
6**	14562.500	47.44	11.59	54.0	-6.56	AV	233.00	100	Vertical	Pass

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1118.000	43.94	-16.99	74.0	-30.06	Peak	98.00	100	Horizontal	Pass
1**	1118.000	33.77	-16.99	54.0	-20.23	AV	98.00	100	Horizontal	Pass
2	2211.000	39.88	-11.97	74.0	-34.12	Peak	360.00	100	Horizontal	Pass
2**	2211.000	26.28	-11.97	54.0	-27.72	AV	360.00	100	Horizontal	Pass
3	3116.000	43.35	-6.71	68.2	-24.85	Peak	198.00	100	Horizontal	Pass
3**	3116.000	30.36	-6.71	54.0	-23.64	AV	198.00	100	Horizontal	Pass
4	5580.000	100.13	-2.01	68.2	31.93	Peak	198.00	100	Horizontal	N/A
4**	5580.000	90.49	-2.01	54.0	36.49	AV	198.00	100	Horizontal	N/A
5	11075.500	50.37	7.17	74.0	-23.63	Peak	67.00	100	Horizontal	Pass
5**	11075.500	41.19	7.17	54.0	-12.81	AV	67.00	100	Horizontal	Pass
6	14416.750	54.82	11.02	68.2	-13.38	Peak	160.00	100	Horizontal	Pass
6**	14416.750	45.19	11.02	54.0	-8.81	AV	160.00	100	Horizontal	Pass

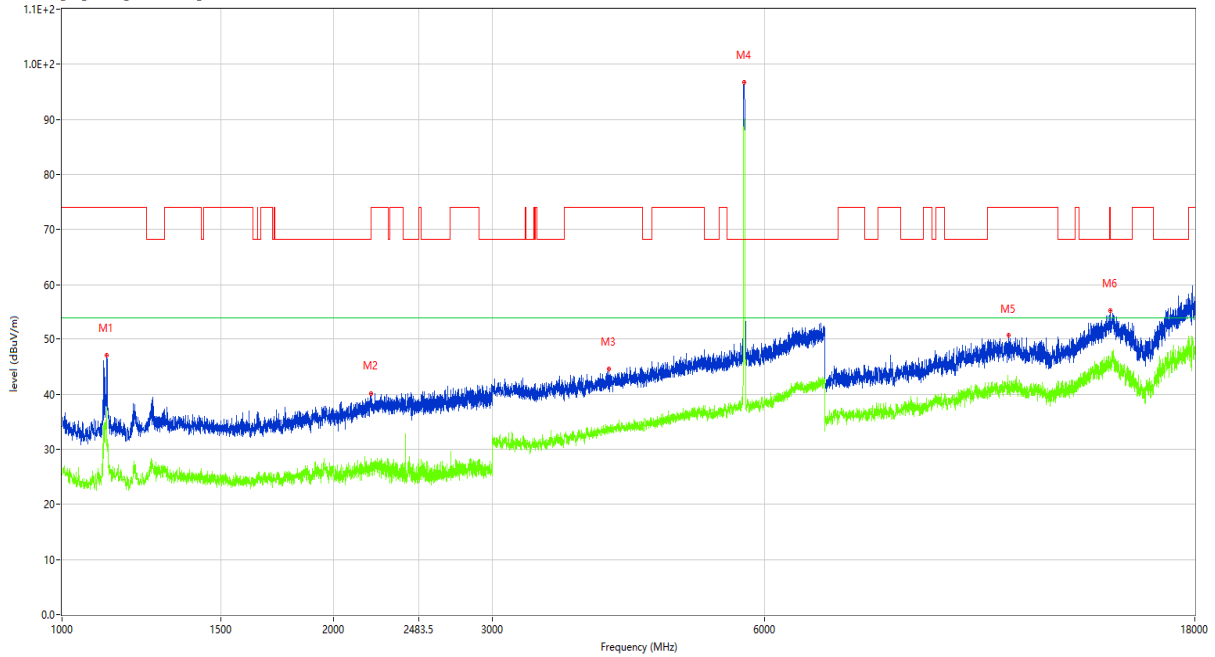
11ac20, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1111.500	44.43	-17.13	74.0	-29.57	Peak	194.00	100	Vertical	Pass
1**	1111.500	31.07	-17.13	54.0	-22.93	AV	194.00	100	Vertical	Pass
2	1951.500	41.37	-14.31	68.2	-26.83	Peak	162.00	100	Vertical	Pass
2**	1951.500	29.06	-14.31	54.0	-24.94	AV	162.00	100	Vertical	Pass
3	2520.500	43.34	-11.78	68.2	-24.86	Peak	361.00	100	Vertical	Pass
3**	2520.500	32.07	-11.78	54.0	-21.93	AV	361.00	100	Vertical	Pass
4	5701.000	91.14	-0.94	68.2	22.94	Peak	166.00	100	Vertical	N/A
4**	5701.000	82.08	-0.94	54.0	28.08	AV	166.00	100	Vertical	N/A
5	10814.250	51.19	7.17	74.0	-22.81	Peak	361.00	100	Vertical	Pass
5**	10814.250	40.90	7.17	54.0	-13.10	AV	361.00	100	Vertical	Pass
6	14581.750	55.39	12.24	68.2	-12.81	Peak	331.00	100	Vertical	Pass
6**	14581.750	47.13	12.24	54.0	-6.87	AV	331.00	100	Vertical	Pass

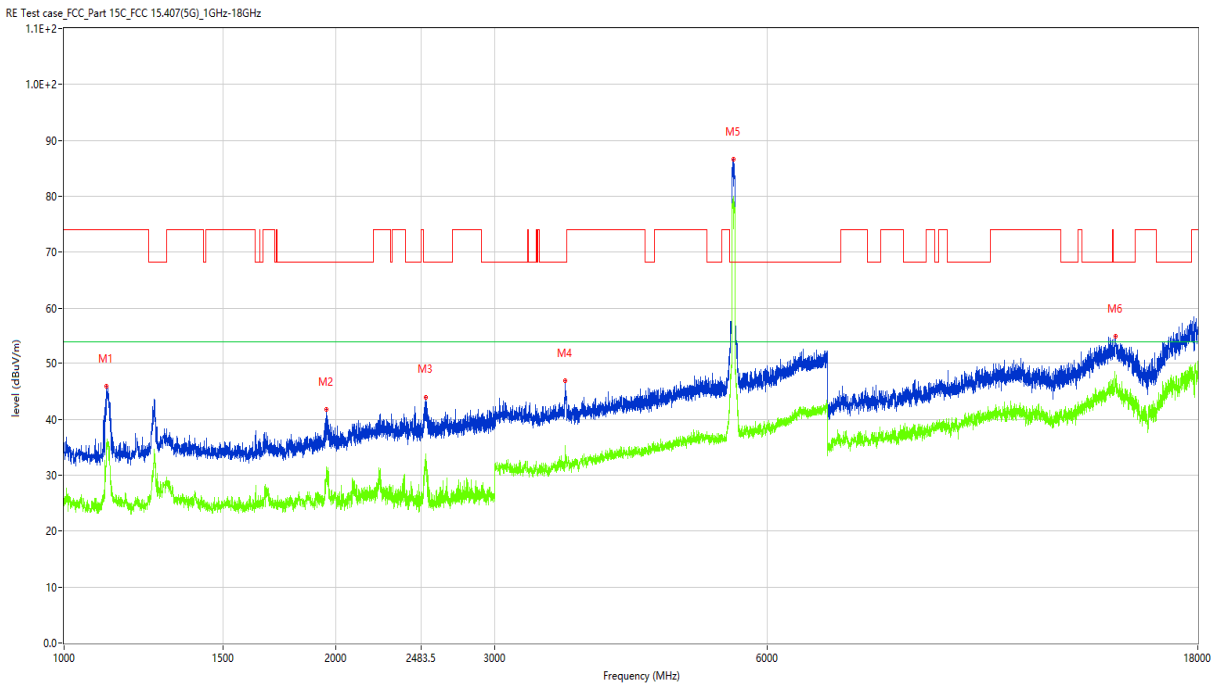
11ac20, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT H

RE Test case FCC\_Part 15C\_FCC 15.407(5G)\_1GHz-18GHz



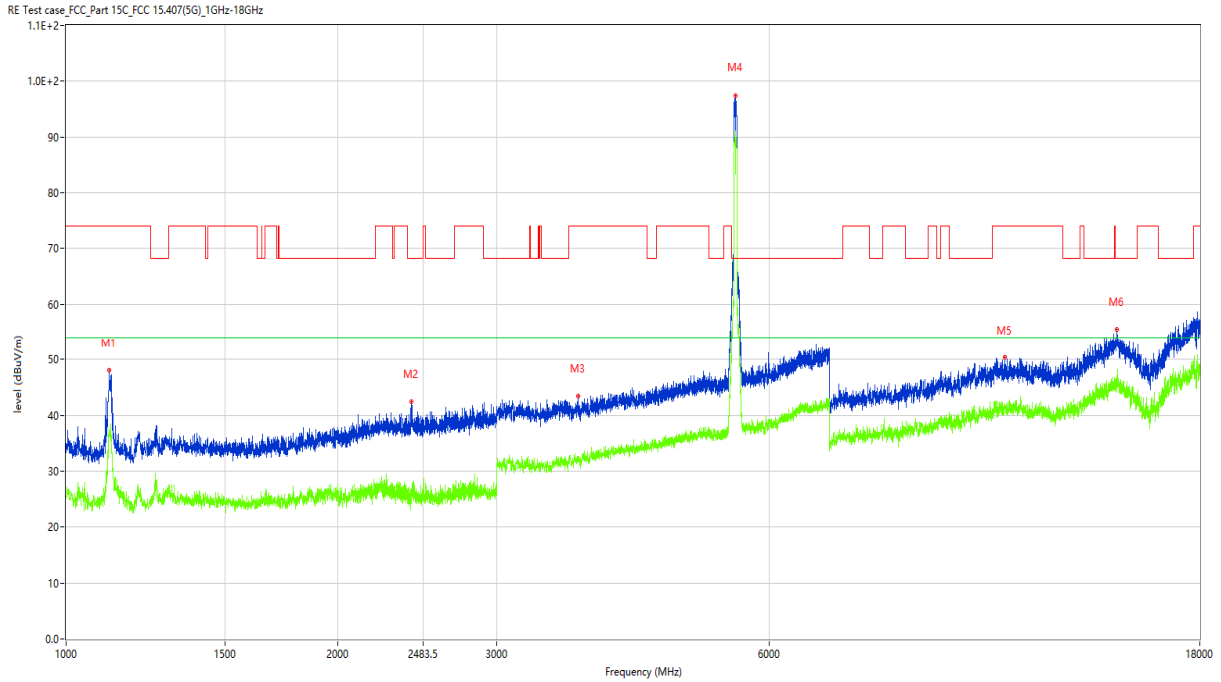
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1120.000	47.01	-17.13	74.0	-26.99	Peak	262.00	100	Horizontal	Pass
1**	1120.000	30.46	-17.13	54.0	-23.54	AV	262.00	100	Horizontal	Pass
2	2202.000	40.14	-11.78	74.0	-33.86	Peak	10.00	100	Horizontal	Pass
2**	2202.000	26.32	-11.78	54.0	-27.68	AV	10.00	100	Horizontal	Pass
3	4039.000	44.53	-3.54	74.0	-29.47	Peak	320.00	100	Horizontal	Pass
3**	4039.000	33.40	-3.54	54.0	-20.60	AV	320.00	100	Horizontal	Pass
4	5698.000	96.77	-1.29	68.2	28.57	Peak	163.00	100	Horizontal	N/A
4**	5698.000	89.48	-1.29	54.0	35.48	AV	163.00	100	Horizontal	N/A
5	11185.500	50.66	7.01	74.0	-23.34	Peak	351.00	100	Horizontal	Pass
5**	11185.500	40.58	7.01	54.0	-13.42	AV	351.00	100	Horizontal	Pass
6	14504.750	55.36	12.25	68.2	-12.84	Peak	-1.00	100	Horizontal	Pass
6**	14504.750	46.73	12.25	54.0	-7.27	AV	-1.00	100	Horizontal	Pass

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



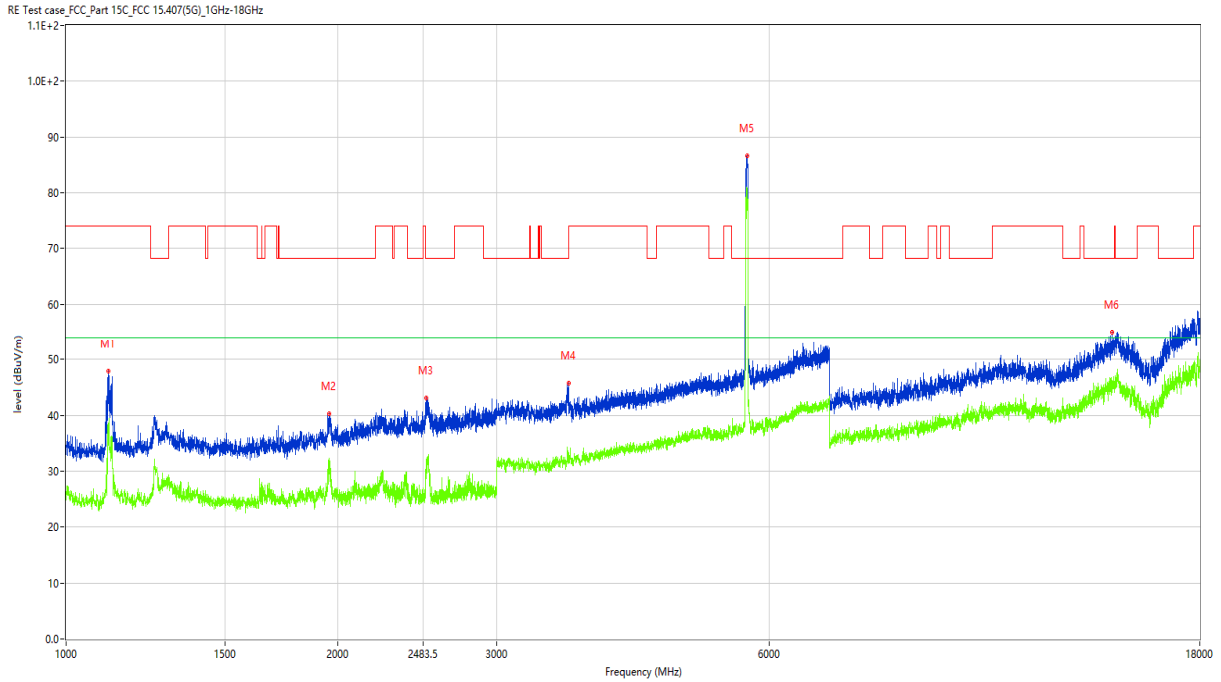
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1114.000	45.88	-17.02	74.0	-28.12	Peak	227.00	100	Vertical	Pass
1**	1114.000	35.76	-17.02	54.0	-18.24	AV	227.00	100	Vertical	Pass
2	1953.000	41.71	-14.46	68.2	-26.49	Peak	163.00	100	Vertical	Pass
2**	1953.000	30.73	-14.46	54.0	-23.27	AV	163.00	100	Vertical	Pass
3	2517.000	43.96	-11.81	68.2	-24.24	Peak	0.00	100	Vertical	Pass
3**	2517.000	32.34	-11.81	54.0	-21.66	AV	0.00	100	Vertical	Pass
4	3587.000	46.83	-5.49	68.2	-21.37	Peak	195.00	100	Vertical	Pass
4**	3587.000	32.21	-5.49	54.0	-21.79	AV	195.00	100	Vertical	Pass
5	5512.000	86.65	-1.53	68.2	18.45	Peak	163.00	100	Vertical	N/A
5**	5512.000	78.27	-1.53	54.0	24.27	AV	163.00	100	Vertical	N/A
6	14606.500	55.05	12.32	68.2	-13.15	Peak	5.00	100	Vertical	Pass
6**	14606.500	46.27	12.32	54.0	-7.73	AV	5.00	100	Vertical	Pass

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



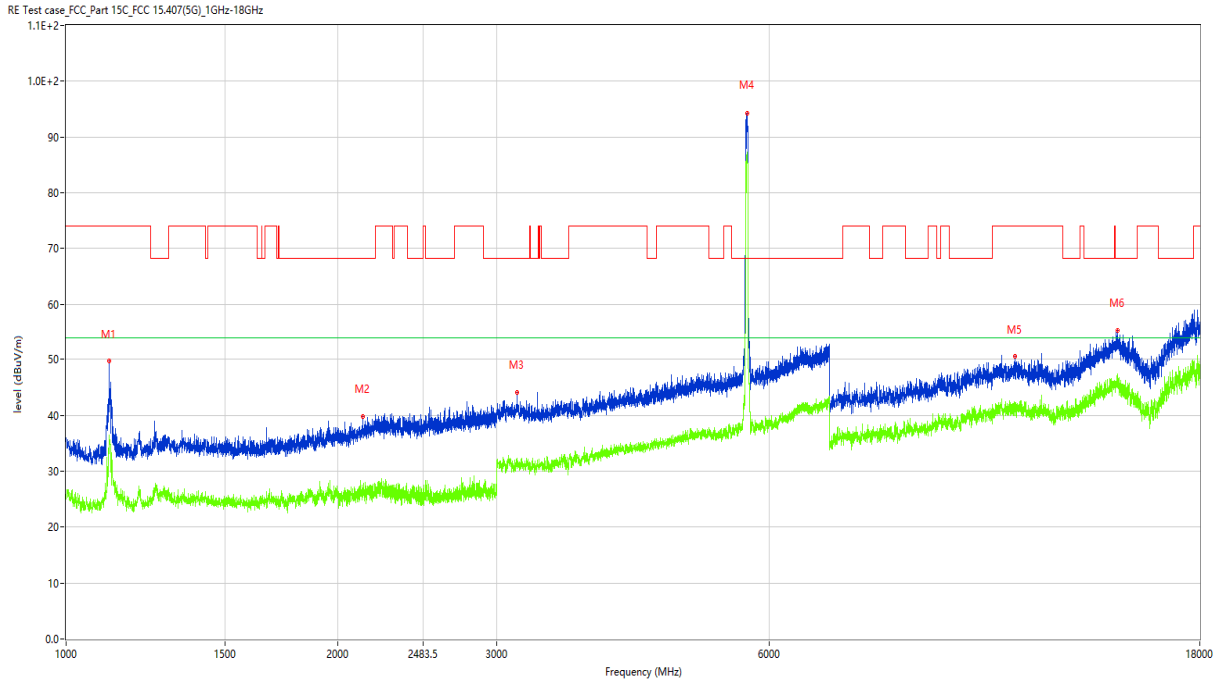
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1116.000	48.04	-16.99	74.0	-25.96	Peak	270.00	100	Horizontal	Pass
1**	1116.000	36.07	-16.99	54.0	-17.93	AV	270.00	100	Horizontal	Pass
2	2413.500	42.34	-11.70	68.2	-25.86	Peak	237.00	100	Horizontal	Pass
2**	2413.500	25.98	-11.70	54.0	-28.02	AV	237.00	100	Horizontal	Pass
3	3686.000	43.32	-5.41	74.0	-30.68	Peak	0.00	100	Horizontal	Pass
3**	3686.000	32.66	-5.41	54.0	-21.34	AV	0.00	100	Horizontal	Pass
4	5515.000	97.47	-1.40	68.2	29.27	Peak	193.00	100	Horizontal	N/A
4**	5515.000	90.30	-1.40	54.0	36.30	AV	193.00	100	Horizontal	N/A
5	10957.250	50.29	7.15	74.0	-23.71	Peak	360.00	100	Horizontal	Pass
5**	10957.250	41.41	7.15	54.0	-12.59	AV	360.00	100	Horizontal	Pass
6	14573.500	55.46	11.96	68.2	-12.74	Peak	361.00	100	Horizontal	Pass
6**	14573.500	46.18	11.96	54.0	-7.82	AV	361.00	100	Horizontal	Pass

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1114.500	47.87	-16.94	74.0	-26.13	Peak	203.00	100	Vertical	Pass
1**	1114.500	34.70	-16.94	54.0	-19.30	AV	203.00	100	Vertical	Pass
2	1955.000	40.24	-14.60	68.2	-27.96	Peak	170.00	100	Vertical	Pass
2**	1955.000	32.25	-14.60	54.0	-21.75	AV	170.00	100	Vertical	Pass
3	2502.500	43.09	-11.35	68.2	-25.11	Peak	336.00	100	Vertical	Pass
3**	2502.500	29.84	-11.35	54.0	-24.16	AV	336.00	100	Vertical	Pass
4	3599.000	45.71	-6.48	68.2	-22.49	Peak	194.00	100	Vertical	Pass
4**	3599.000	33.22	-6.48	54.0	-20.78	AV	194.00	100	Vertical	Pass
5	5674.000	86.64	-1.27	68.2	18.44	Peak	162.00	100	Vertical	N/A
5**	5674.000	76.90	-1.27	54.0	22.90	AV	162.00	100	Vertical	N/A
6	14394.750	54.94	11.94	68.2	-13.26	Peak	360.00	100	Vertical	Pass
6**	14394.750	45.08	11.94	54.0	-8.92	AV	360.00	100	Vertical	Pass

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

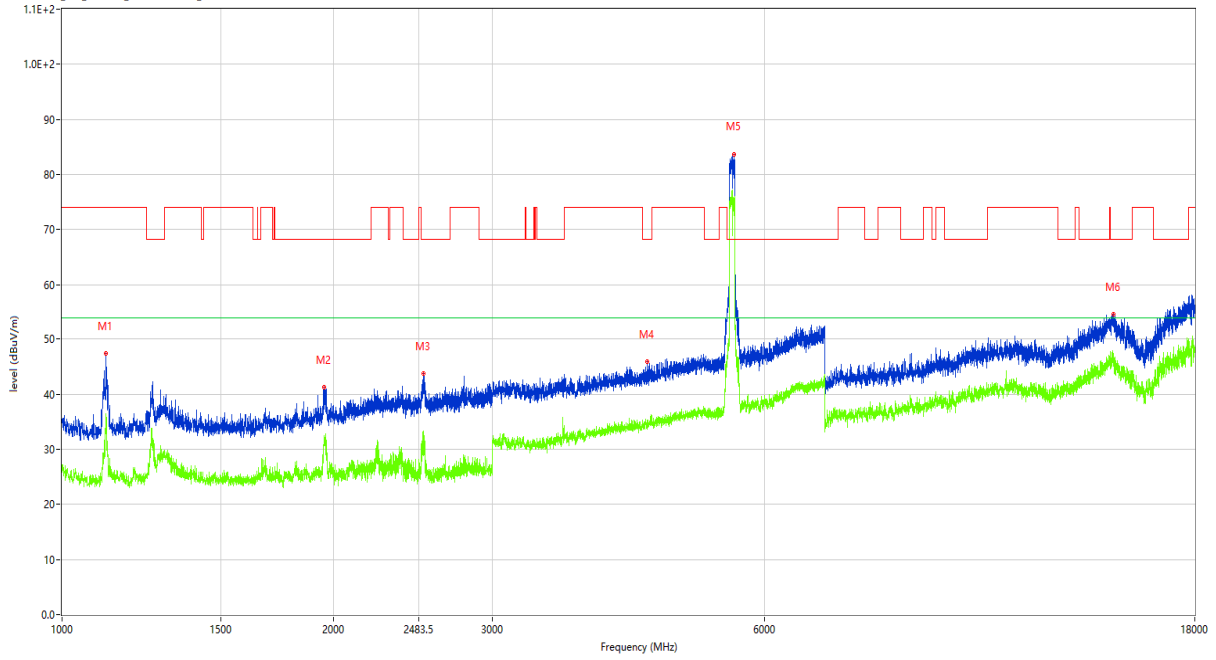


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1116.000	49.74	-16.99	74.0	-24.26	Peak	259.00	100	Horizontal	Pass
1**	1116.000	35.25	-16.99	54.0	-18.75	AV	259.00	100	Horizontal	Pass
2	2130.000	39.77	-13.17	68.2	-28.43	Peak	-1.00	100	Horizontal	Pass
2**	2130.000	25.62	-13.17	54.0	-28.38	AV	-1.00	100	Horizontal	Pass
3	3156.000	44.00	-7.38	68.2	-24.20	Peak	197.00	100	Horizontal	Pass
3**	3156.000	30.99	-7.38	54.0	-23.01	AV	197.00	100	Horizontal	Pass
4	5675.000	94.32	-1.40	68.2	26.12	Peak	197.00	100	Horizontal	N/A
4**	5675.000	86.72	-1.40	54.0	32.72	AV	197.00	100	Horizontal	N/A
5	11229.500	50.51	6.94	74.0	-23.49	Peak	0.00	100	Horizontal	Pass
5**	11229.500	40.85	6.94	54.0	-13.15	AV	0.00	100	Horizontal	Pass
6	14601.000	55.34	12.44	68.2	-12.86	Peak	0.00	100	Horizontal	Pass
6**	14601.000	46.76	12.44	54.0	-7.24	AV	0.00	100	Horizontal	Pass



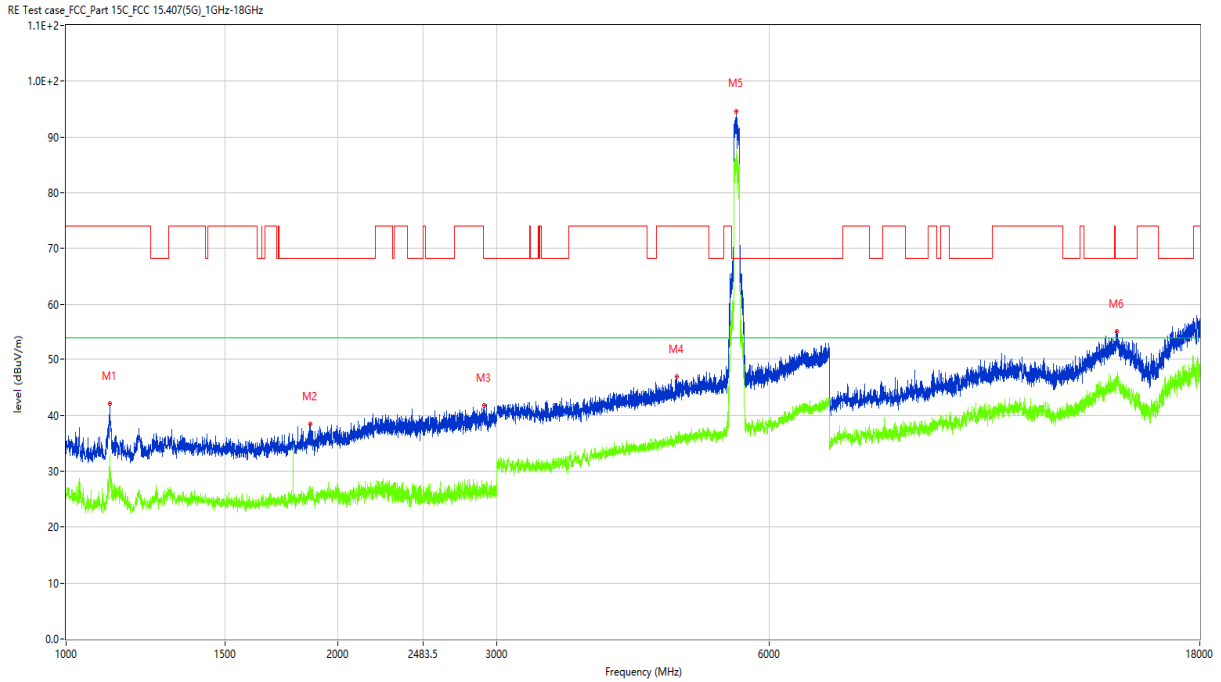
11ac80, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT V

RE Test case FCC\_Part 15C\_FCC 15.407(5G)\_1GHz-18GHz



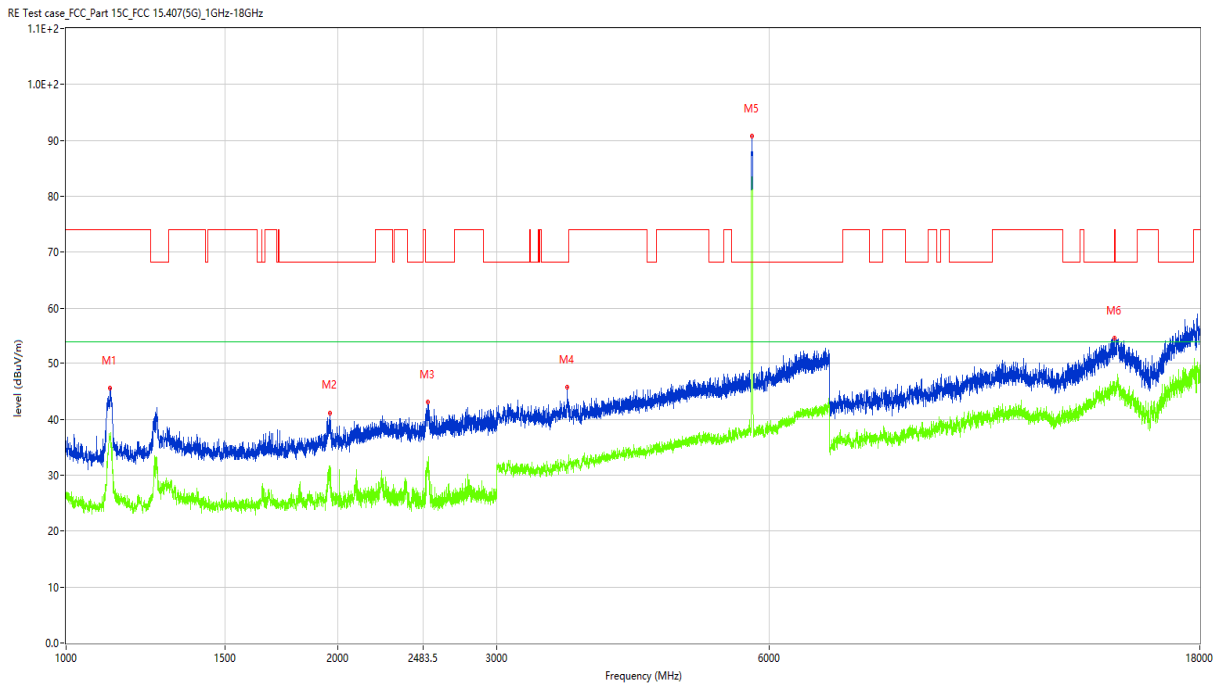
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1119.000	47.39	-16.95	74.0	-26.61	Peak	192.00	100	Vertical	Pass
1**	1119.000	34.64	-16.95	54.0	-19.36	AV	192.00	100	Vertical	Pass
2	1951.500	41.24	-14.31	68.2	-26.96	Peak	160.00	100	Vertical	Pass
2**	1951.500	30.78	-14.31	54.0	-23.22	AV	160.00	100	Vertical	Pass
3	2513.500	43.71	-11.81	68.2	-24.49	Peak	-1.00	100	Vertical	Pass
3**	2513.500	32.98	-11.81	54.0	-21.02	AV	-1.00	100	Vertical	Pass
4	4454.000	45.93	-3.73	68.2	-22.27	Peak	360.00	100	Vertical	Pass
4**	4454.000	34.73	-3.73	54.0	-19.27	AV	360.00	100	Vertical	Pass
5	5557.000	83.72	-1.45	68.2	15.52	Peak	167.00	100	Vertical	N/A
5**	5557.000	75.02	-1.45	54.0	21.02	AV	167.00	100	Vertical	N/A
6	14623.000	54.71	12.06	68.2	-13.49	Peak	-1.00	100	Vertical	Pass
6**	14623.000	45.76	12.06	54.0	-8.24	AV	-1.00	100	Vertical	Pass

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



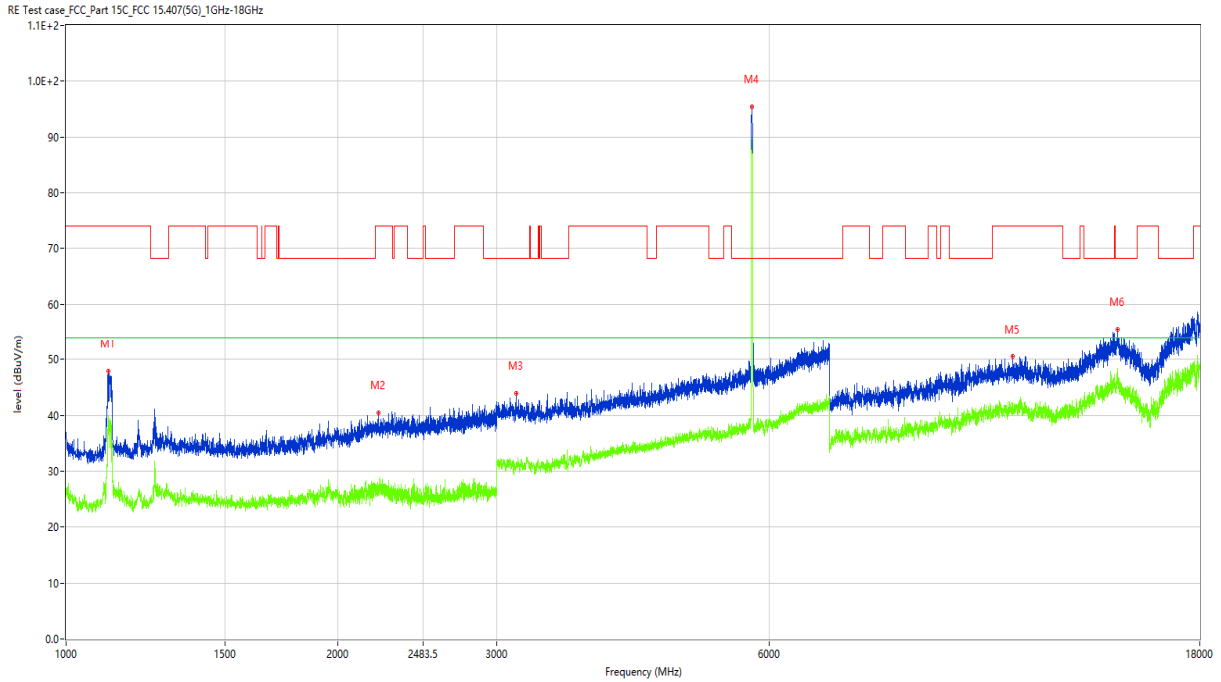
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1118.500	42.00	-17.03	74.0	-32.00	Peak	273.00	100	Horizontal	Pass
1**	1118.500	32.87	-17.03	54.0	-21.13	AV	273.00	100	Horizontal	Pass
2	1863.000	38.37	-14.57	68.2	-29.83	Peak	73.00	100	Horizontal	Pass
2**	1863.000	25.45	-14.57	54.0	-28.55	AV	73.00	100	Horizontal	Pass
3	2901.500	41.77	-9.39	68.2	-26.43	Peak	273.00	100	Horizontal	Pass
3**	2901.500	26.42	-9.39	54.0	-27.58	AV	273.00	100	Horizontal	Pass
4	4742.000	46.90	-2.86	74.0	-27.10	Peak	253.00	100	Horizontal	Pass
4**	4742.000	35.57	-2.86	54.0	-18.43	AV	253.00	100	Horizontal	Pass
5	5521.000	94.65	-0.93	68.2	26.45	Peak	187.00	100	Horizontal	N/A
5**	5521.000	87.55	-0.93	54.0	33.55	AV	187.00	100	Horizontal	N/A
6	14576.250	55.10	12.06	68.2	-13.10	Peak	11.00	100	Horizontal	Pass
6**	14576.250	46.88	12.06	54.0	-7.12	AV	11.00	100	Horizontal	Pass

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



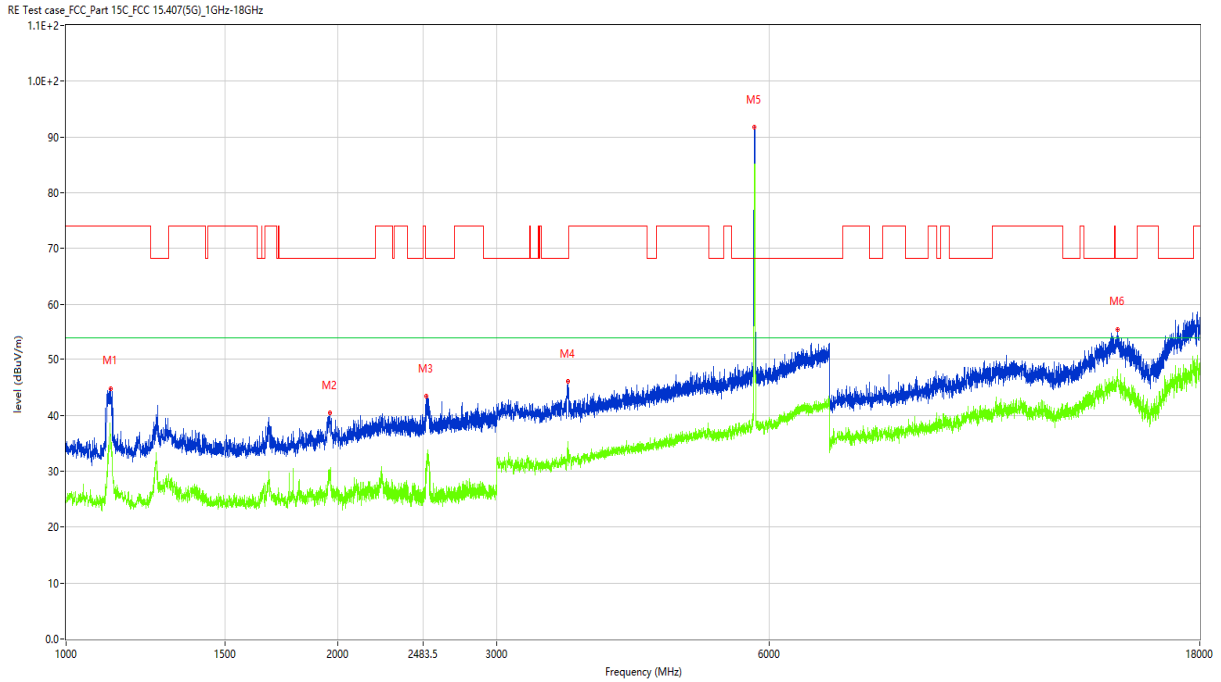
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1119.000	45.51	-16.95	74.0	-28.49	Peak	207.00	100	Vertical	Pass
1**	1119.000	36.20	-16.95	54.0	-17.80	AV	207.00	100	Vertical	Pass
2	1959.000	41.17	-14.50	68.2	-27.03	Peak	173.00	100	Vertical	Pass
2**	1959.000	29.86	-14.50	54.0	-24.14	AV	173.00	100	Vertical	Pass
3	2514.500	43.05	-11.55	68.2	-25.15	Peak	360.00	100	Vertical	Pass
3**	2514.500	31.32	-11.55	54.0	-22.68	AV	360.00	100	Vertical	Pass
4	3587.000	45.71	-5.49	68.2	-22.49	Peak	253.00	100	Vertical	Pass
4**	3587.000	31.43	-5.49	54.0	-22.57	AV	253.00	100	Vertical	Pass
5	5746.000	90.81	-1.16	68.2	22.61	Peak	154.00	100	Vertical	N/A
5**	5746.000	81.42	-1.16	54.0	27.42	AV	154.00	100	Vertical	N/A
6	14469.000	54.71	11.44	68.2	-13.49	Peak	360.00	100	Vertical	Pass
6**	14469.000	45.37	11.44	54.0	-8.63	AV	360.00	100	Vertical	Pass

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



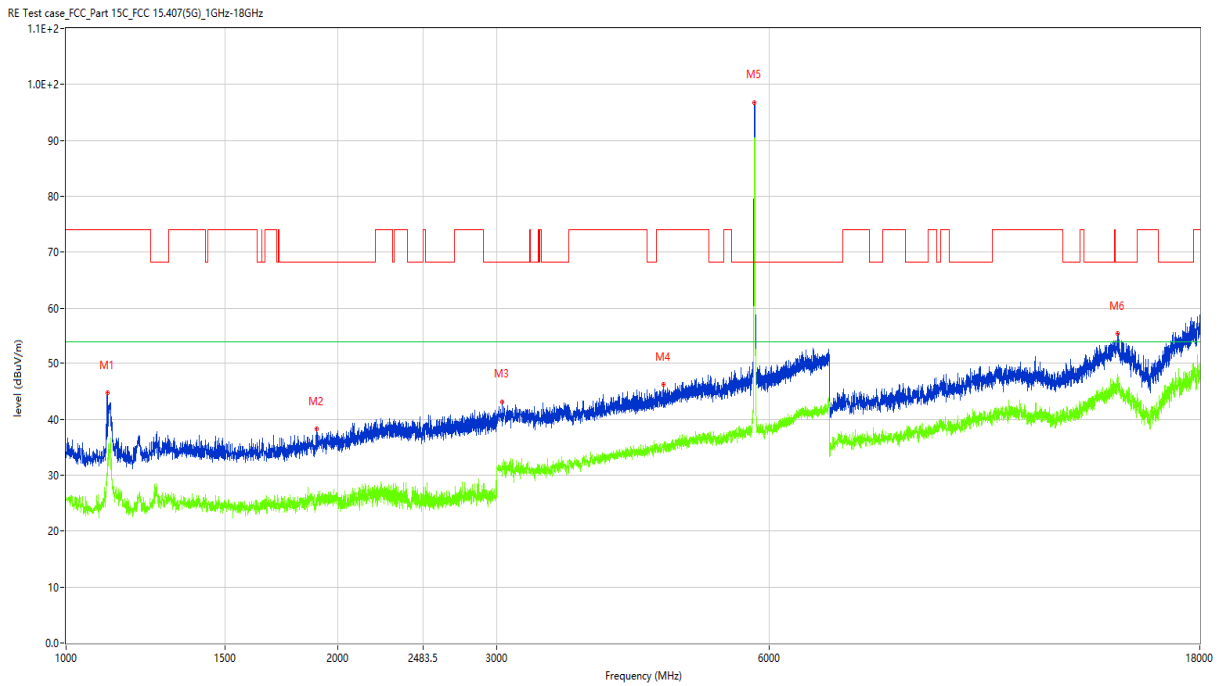
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1113.500	47.92	-17.11	74.0	-26.08	Peak	256.00	100	Horizontal	Pass
1**	1113.500	37.79	-17.11	54.0	-16.21	AV	256.00	100	Horizontal	Pass
2	2217.500	40.46	-12.06	74.0	-33.54	Peak	224.00	100	Horizontal	Pass
2**	2217.500	27.50	-12.06	54.0	-26.50	AV	224.00	100	Horizontal	Pass
3	3148.000	43.90	-7.31	68.2	-24.30	Peak	361.00	100	Horizontal	Pass
3**	3148.000	30.63	-7.31	54.0	-23.37	AV	361.00	100	Horizontal	Pass
4	5747.000	95.46	-1.02	68.2	27.26	Peak	172.00	100	Horizontal	N/A
4**	5747.000	89.36	-1.02	54.0	35.36	AV	172.00	100	Horizontal	N/A
5	11166.250	50.54	7.12	74.0	-23.46	Peak	0.00	100	Horizontal	Pass
5**	11166.250	41.47	7.12	54.0	-12.53	AV	0.00	100	Horizontal	Pass
6	14592.750	55.42	12.45	68.2	-12.78	Peak	190.00	100	Horizontal	Pass
6**	14592.750	46.71	12.45	54.0	-7.29	AV	190.00	100	Horizontal	Pass

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



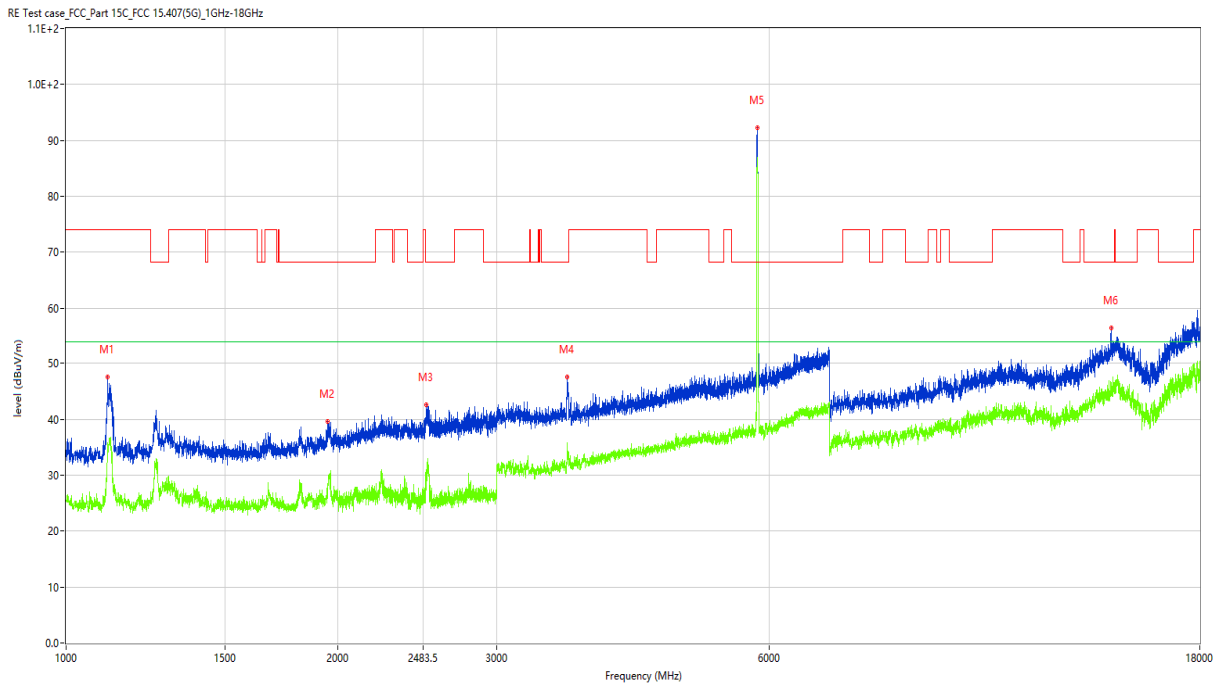
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1120.500	44.79	-17.12	74.0	-29.21	Peak	220.00	100	Vertical	Pass
1**	1120.500	34.01	-17.12	54.0	-19.99	AV	220.00	100	Vertical	Pass
2	1959.000	40.46	-14.50	68.2	-27.74	Peak	153.00	100	Vertical	Pass
2**	1959.000	29.96	-14.50	54.0	-24.04	AV	153.00	100	Vertical	Pass
3	2507.000	43.33	-11.57	68.2	-24.87	Peak	-1.00	100	Vertical	Pass
3**	2507.000	31.78	-11.57	54.0	-22.22	AV	-1.00	100	Vertical	Pass
4	3596.000	45.98	-6.44	68.2	-22.22	Peak	208.00	100	Vertical	Pass
4**	3596.000	31.94	-6.44	54.0	-22.06	AV	208.00	100	Vertical	Pass
5	5786.000	91.79	-1.18	68.2	23.59	Peak	141.00	100	Vertical	N/A
5**	5786.000	83.84	-1.18	54.0	29.84	AV	141.00	100	Vertical	N/A
6	14590.000	55.57	12.45	68.2	-12.63	Peak	222.00	100	Vertical	Pass
6**	14590.000	46.46	12.45	54.0	-7.54	AV	222.00	100	Vertical	Pass

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



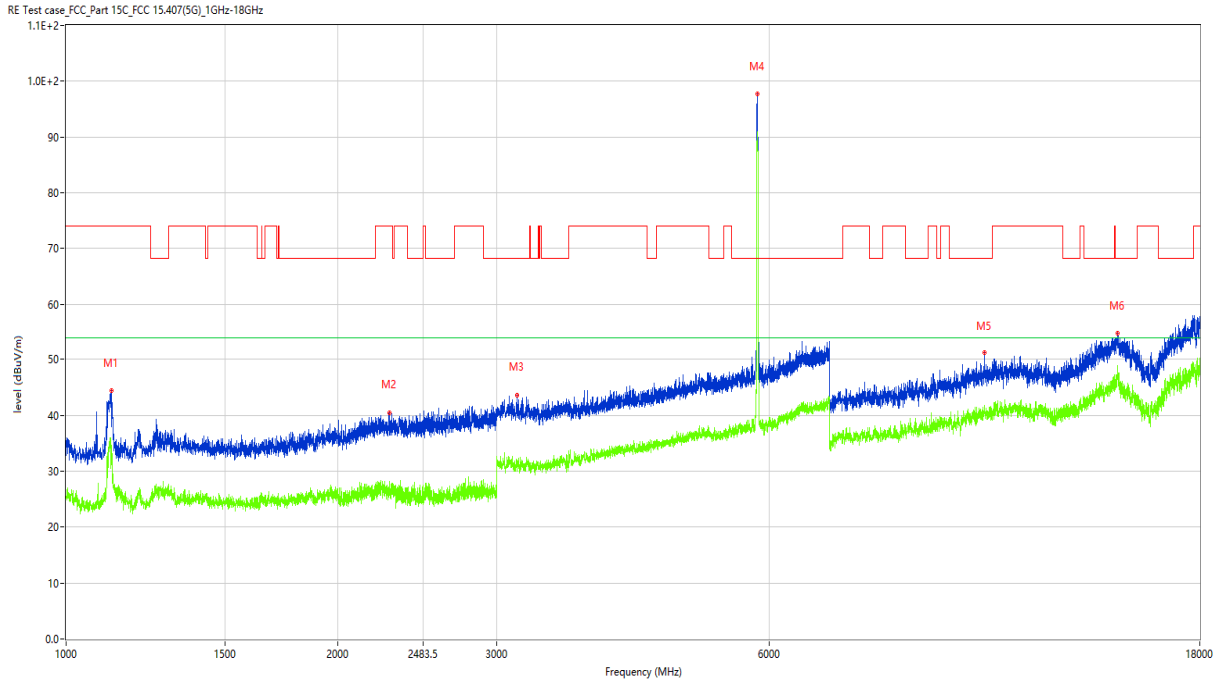
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1112.000	44.65	-17.23	74.0	-29.35	Peak	245.00	100	Horizontal	Pass
1**	1112.000	30.23	-17.23	54.0	-23.77	AV	245.00	100	Horizontal	Pass
2	1896.000	38.31	-14.73	68.2	-29.89	Peak	361.00	100	Horizontal	Pass
2**	1896.000	24.86	-14.73	54.0	-29.14	AV	361.00	100	Horizontal	Pass
3	3041.000	43.13	-7.52	68.2	-25.07	Peak	122.00	100	Horizontal	Pass
3**	3041.000	31.58	-7.52	54.0	-22.42	AV	122.00	100	Horizontal	Pass
4	4583.000	46.16	-3.51	74.0	-27.84	Peak	0.00	100	Horizontal	Pass
4**	4583.000	34.55	-3.51	54.0	-19.45	AV	0.00	100	Horizontal	Pass
5	5786.000	96.83	-1.18	68.2	28.63	Peak	155.00	100	Horizontal	N/A
5**	5786.000	88.83	-1.18	54.0	34.83	AV	155.00	100	Horizontal	N/A
6	14598.250	55.45	12.46	68.2	-12.75	Peak	339.00	100	Horizontal	Pass
6**	14598.250	46.80	12.46	54.0	-7.20	AV	339.00	100	Horizontal	Pass

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1111.500	47.56	-17.13	74.0	-26.44	Peak	212.00	100	Vertical	Pass
1**	1111.500	33.70	-17.13	54.0	-20.30	AV	212.00	100	Vertical	Pass
2	1947.500	39.60	-13.95	68.2	-28.60	Peak	178.00	100	Vertical	Pass
2**	1947.500	26.39	-13.95	54.0	-27.61	AV	178.00	100	Vertical	Pass
3	2506.500	42.50	-11.57	68.2	-25.70	Peak	360.00	100	Vertical	Pass
3**	2506.500	30.87	-11.57	54.0	-23.13	AV	360.00	100	Vertical	Pass
4	3589.000	47.56	-5.88	68.2	-20.64	Peak	219.00	100	Vertical	Pass
4**	3589.000	34.36	-5.88	54.0	-19.64	AV	219.00	100	Vertical	Pass
5	5827.000	92.31	-0.80	68.2	24.11	Peak	118.00	100	Vertical	N/A
5**	5827.000	86.92	-0.80	54.0	32.92	AV	118.00	100	Vertical	N/A
6	14353.500	56.43	12.85	68.2	-11.77	Peak	360.00	100	Vertical	Pass
6**	14353.500	45.42	12.85	54.0	-8.58	AV	360.00	100	Vertical	Pass

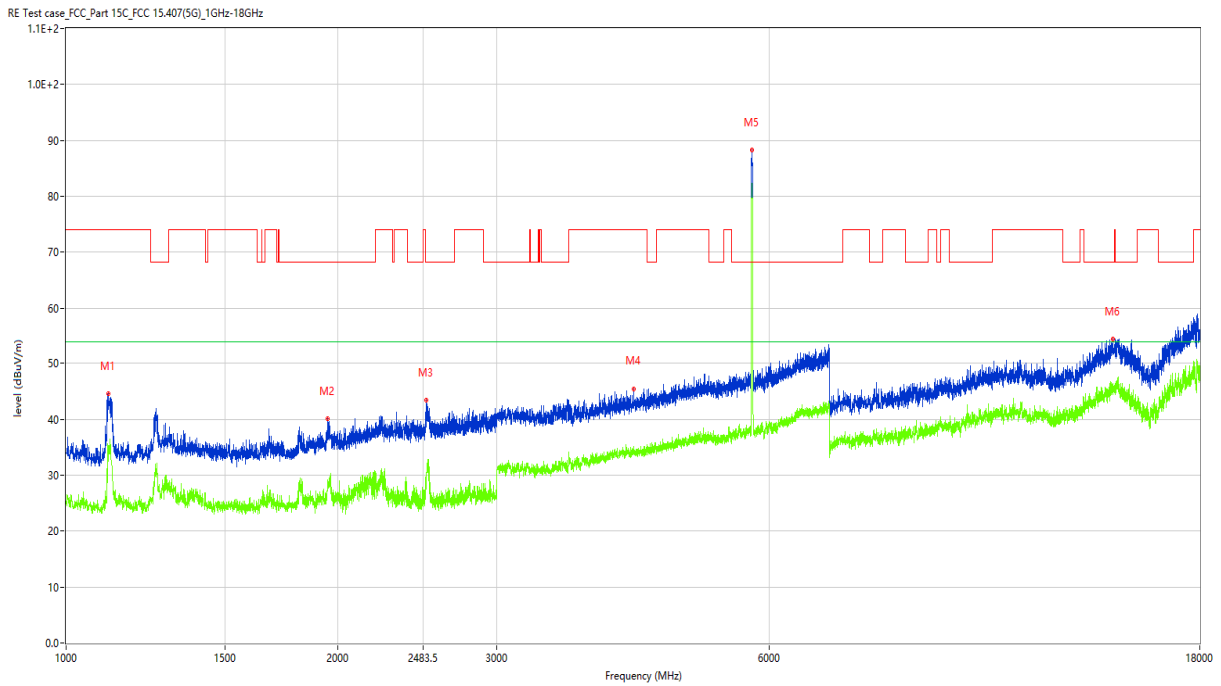
11a, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1123.000	44.40	-17.22	74.0	-29.60	Peak	49.00	100	Horizontal	Pass
1**	1123.000	31.21	-17.22	54.0	-22.79	AV	49.00	100	Horizontal	Pass
2	2278.500	40.48	-12.20	74.0	-33.52	Peak	16.00	100	Horizontal	Pass
2**	2278.500	26.36	-12.20	54.0	-27.64	AV	16.00	100	Horizontal	Pass
3	3155.000	43.64	-7.19	68.2	-24.56	Peak	206.00	100	Horizontal	Pass
3**	3155.000	30.42	-7.19	54.0	-23.58	AV	206.00	100	Horizontal	Pass
4	5823.000	97.78	-0.88	68.2	29.58	Peak	206.00	100	Horizontal	N/A
4**	5823.000	88.58	-0.88	54.0	34.58	AV	206.00	100	Horizontal	N/A
5	10393.500	51.12	7.02	68.2	-17.08	Peak	286.00	100	Horizontal	Pass
5**	10393.500	40.46	7.02	54.0	-13.54	AV	286.00	100	Horizontal	Pass
6	14598.250	54.84	12.46	68.2	-13.36	Peak	119.00	100	Horizontal	Pass
6**	14598.250	47.08	12.46	54.0	-6.92	AV	119.00	100	Horizontal	Pass

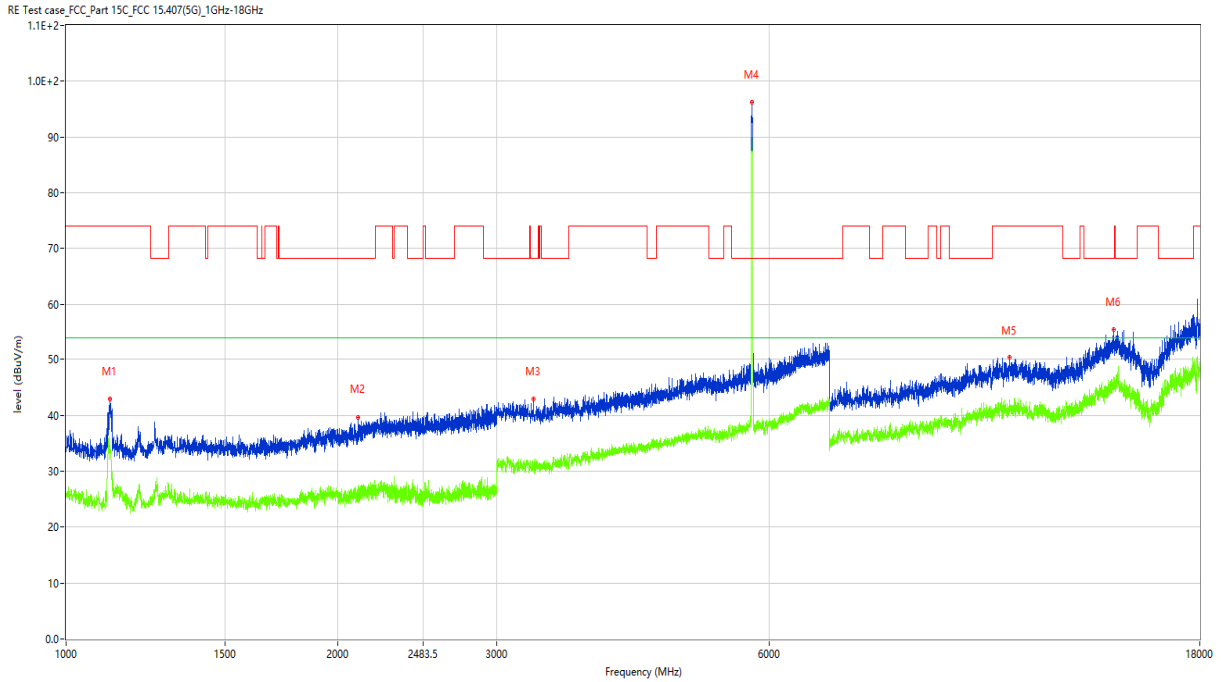


11n20, U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT V



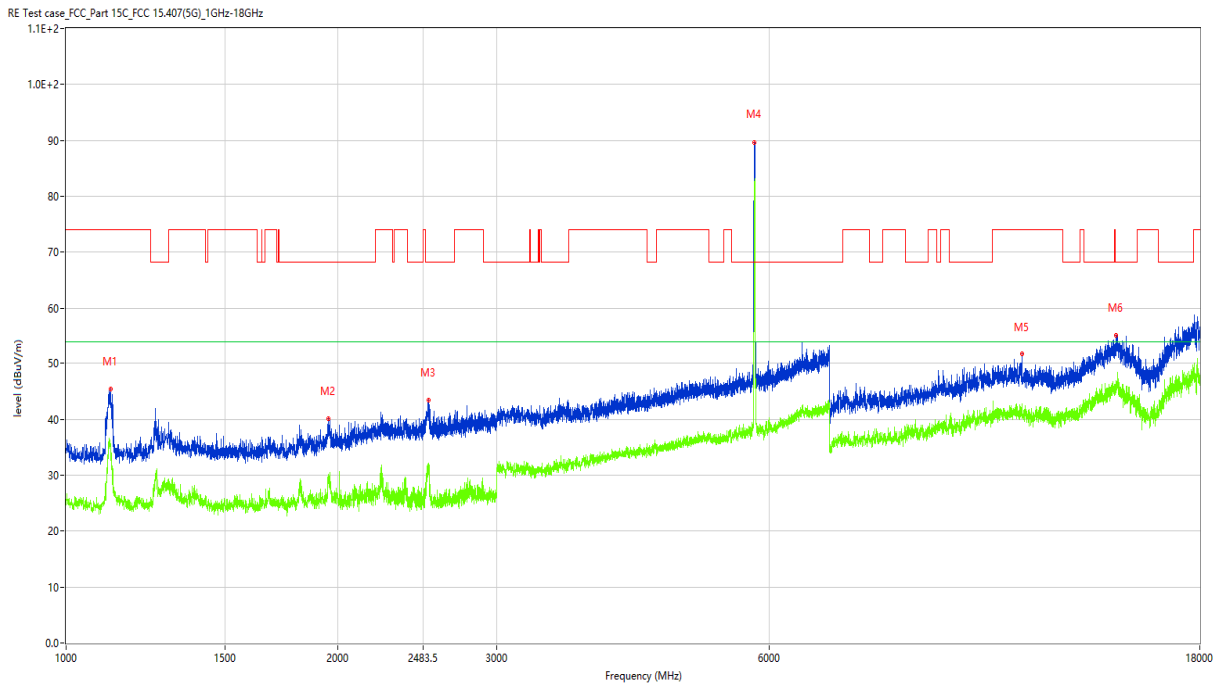
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1113.000	44.51	-17.06	74.0	-29.49	Peak	215.00	100	Vertical	Pass
1**	1113.000	32.52	-17.06	54.0	-21.48	AV	215.00	100	Vertical	Pass
2	1946.000	40.09	-13.91	68.2	-28.11	Peak	180.00	100	Vertical	Pass
2**	1946.000	28.75	-13.91	54.0	-25.25	AV	180.00	100	Vertical	Pass
3	2503.000	43.36	-11.43	68.2	-24.84	Peak	-1.00	100	Vertical	Pass
3**	2503.000	27.98	-11.43	54.0	-26.02	AV	-1.00	100	Vertical	Pass
4	4248.000	45.46	-3.84	74.0	-28.54	Peak	176.00	100	Vertical	Pass
4**	4248.000	34.44	-3.84	54.0	-19.56	AV	176.00	100	Vertical	Pass
5	5744.000	88.31	-1.47	68.2	20.11	Peak	176.00	100	Vertical	N/A
5**	5744.000	82.31	-1.47	54.0	28.31	AV	176.00	100	Vertical	N/A
6	14427.750	54.45	10.72	68.2	-13.75	Peak	247.00	100	Vertical	Pass
6**	14427.750	46.13	10.72	54.0	-7.87	AV	247.00	100	Vertical	Pass

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



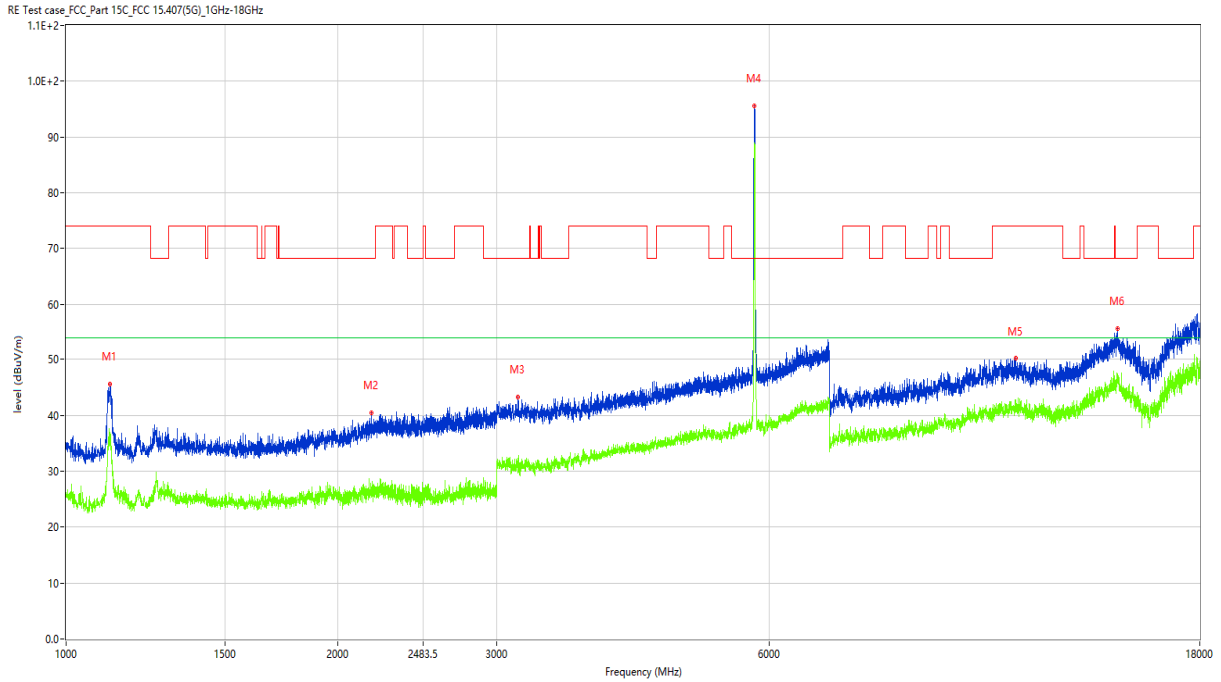
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1117.500	42.94	-16.99	74.0	-31.06	Peak	247.00	100	Horizontal	Pass
1**	1117.500	33.26	-16.99	54.0	-20.74	AV	247.00	100	Horizontal	Pass
2	2105.500	39.67	-13.36	68.2	-28.53	Peak	76.00	100	Horizontal	Pass
2**	2105.500	25.92	-13.36	54.0	-28.08	AV	76.00	100	Horizontal	Pass
3	3291.000	42.94	-7.57	68.2	-25.26	Peak	184.00	100	Horizontal	Pass
3**	3291.000	30.73	-7.57	54.0	-23.27	AV	184.00	100	Horizontal	Pass
4	5747.000	96.20	-1.02	68.2	28.00	Peak	149.00	100	Horizontal	N/A
4**	5747.000	89.17	-1.02	54.0	35.17	AV	149.00	100	Horizontal	N/A
5	11072.750	50.34	7.14	74.0	-23.66	Peak	360.00	100	Horizontal	Pass
5**	11072.750	41.61	7.14	54.0	-12.39	AV	360.00	100	Horizontal	Pass
6	14438.750	55.50	10.63	68.2	-12.70	Peak	360.00	100	Horizontal	Pass
6**	14438.750	45.25	10.63	54.0	-8.75	AV	360.00	100	Horizontal	Pass

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



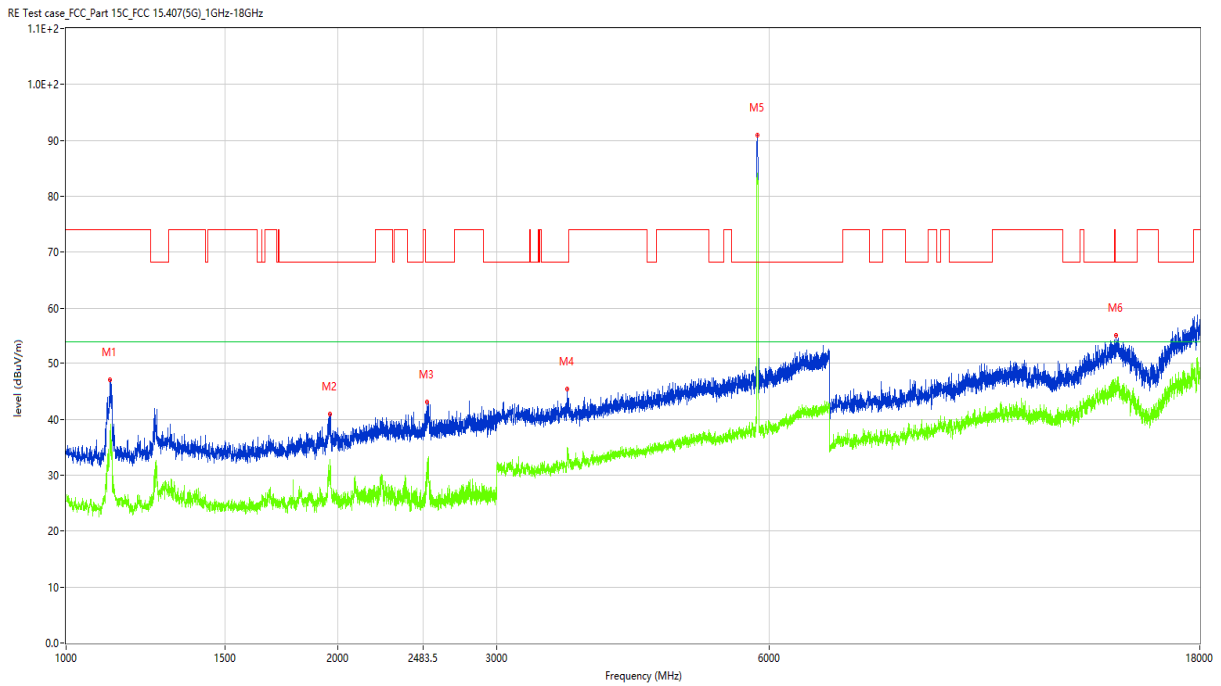
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1120.500	45.31	-17.12	74.0	-28.69	Peak	111.00	100	Vertical	Pass
1**	1120.500	35.12	-17.12	54.0	-18.88	AV	111.00	100	Vertical	Pass
2	1950.500	40.01	-14.28	68.2	-28.19	Peak	13.00	100	Vertical	Pass
2**	1950.500	29.16	-14.28	54.0	-24.84	AV	13.00	100	Vertical	Pass
3	2518.000	43.34	-11.77	68.2	-24.86	Peak	147.00	100	Vertical	Pass
3**	2518.000	31.00	-11.77	54.0	-23.00	AV	147.00	100	Vertical	Pass
4	5786.000	89.68	-1.18	68.2	21.48	Peak	109.00	100	Vertical	N/A
4**	5786.000	81.71	-1.18	54.0	27.71	AV	109.00	100	Vertical	N/A
5	11435.750	51.69	6.76	74.0	-22.31	Peak	12.00	100	Vertical	Pass
5**	11435.750	41.20	6.76	54.0	-12.80	AV	12.00	100	Vertical	Pass
6	14543.250	55.17	11.38	68.2	-13.03	Peak	361.00	100	Vertical	Pass
6**	14543.250	46.79	11.38	54.0	-7.21	AV	361.00	100	Vertical	Pass

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



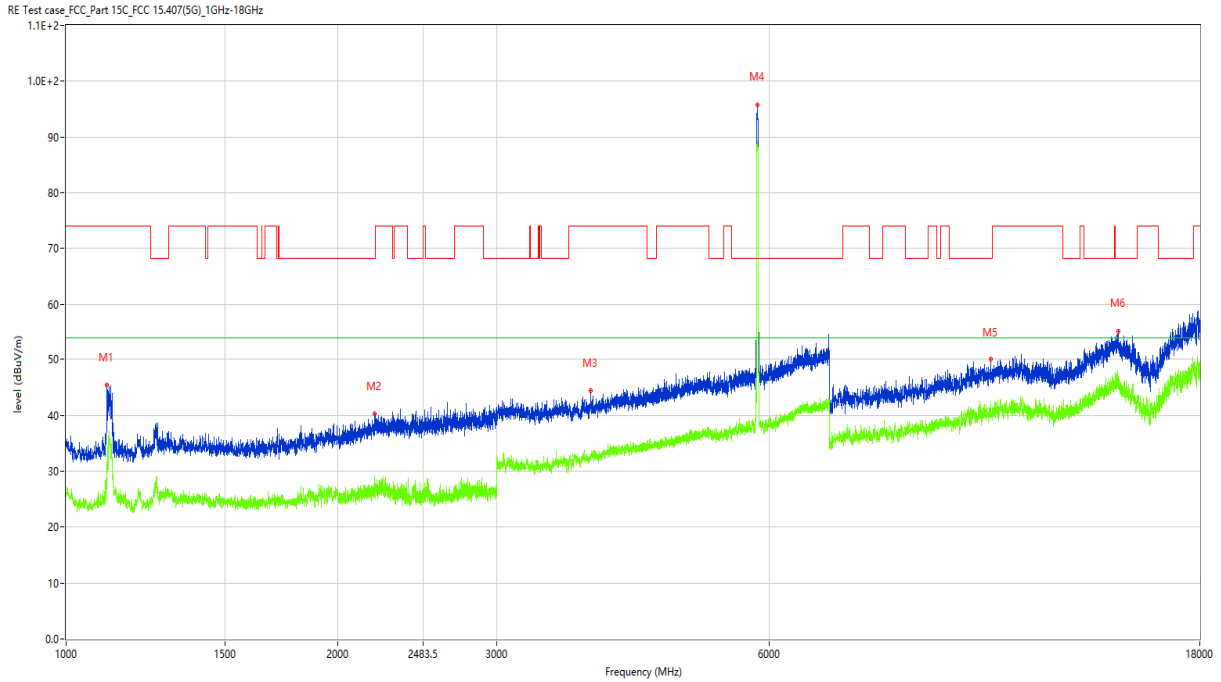
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1117.500	45.48	-16.99	74.0	-28.52	Peak	45.00	100	Horizontal	Pass
1**	1117.500	35.61	-16.99	54.0	-18.39	AV	45.00	100	Horizontal	Pass
2	2178.000	40.37	-12.49	68.2	-27.83	Peak	-1.00	100	Horizontal	Pass
2**	2178.000	26.36	-12.49	54.0	-27.64	AV	-1.00	100	Horizontal	Pass
3	3166.000	43.21	-6.55	68.2	-24.99	Peak	360.00	100	Horizontal	Pass
3**	3166.000	32.00	-6.55	54.0	-22.00	AV	360.00	100	Horizontal	Pass
4	5783.000	95.58	-1.21	68.2	27.38	Peak	143.00	100	Horizontal	N/A
4**	5783.000	88.12	-1.21	54.0	34.12	AV	143.00	100	Horizontal	N/A
5	11270.750	50.24	6.75	74.0	-23.76	Peak	11.00	100	Horizontal	Pass
5**	11270.750	42.72	6.75	54.0	-11.28	AV	11.00	100	Horizontal	Pass
6	14601.000	55.69	12.44	68.2	-12.51	Peak	251.00	100	Horizontal	Pass
6**	14601.000	46.48	12.44	54.0	-7.52	AV	251.00	100	Horizontal	Pass

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



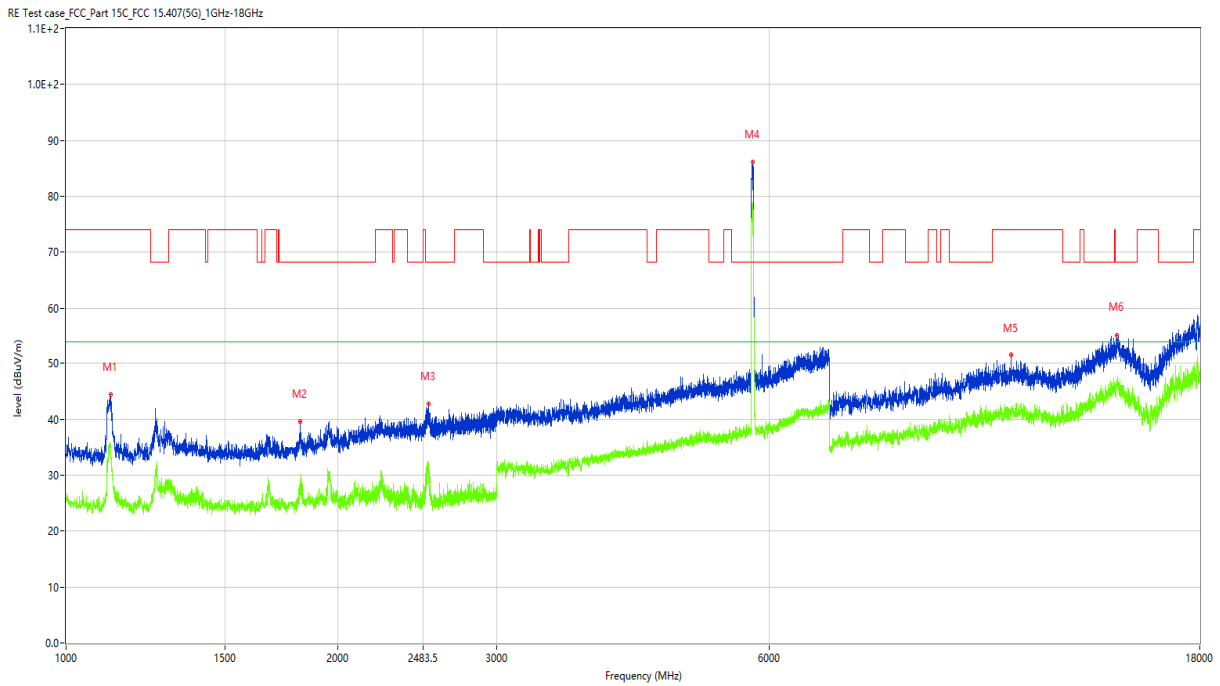
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1117.500	47.02	-16.99	74.0	-26.98	Peak	212.00	100	Vertical	Pass
1**	1117.500	34.01	-16.99	54.0	-19.99	AV	212.00	100	Vertical	Pass
2	1960.500	40.89	-14.61	68.2	-27.31	Peak	176.00	100	Vertical	Pass
2**	1960.500	28.26	-14.61	54.0	-25.74	AV	176.00	100	Vertical	Pass
3	2512.000	43.12	-11.60	68.2	-25.08	Peak	0.00	100	Vertical	Pass
3**	2512.000	31.66	-11.60	54.0	-22.34	AV	0.00	100	Vertical	Pass
4	3588.000	45.43	-5.56	68.2	-22.77	Peak	109.00	100	Vertical	Pass
4**	3588.000	33.94	-5.56	54.0	-20.06	AV	109.00	100	Vertical	Pass
5	5824.000	90.97	-0.76	68.2	22.77	Peak	179.00	100	Vertical	N/A
5**	5824.000	83.81	-0.76	54.0	29.81	AV	179.00	100	Vertical	N/A
6	14551.500	55.11	11.43	68.2	-13.09	Peak	111.00	100	Vertical	Pass
6**	14551.500	44.50	11.43	54.0	-9.50	AV	111.00	100	Vertical	Pass

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



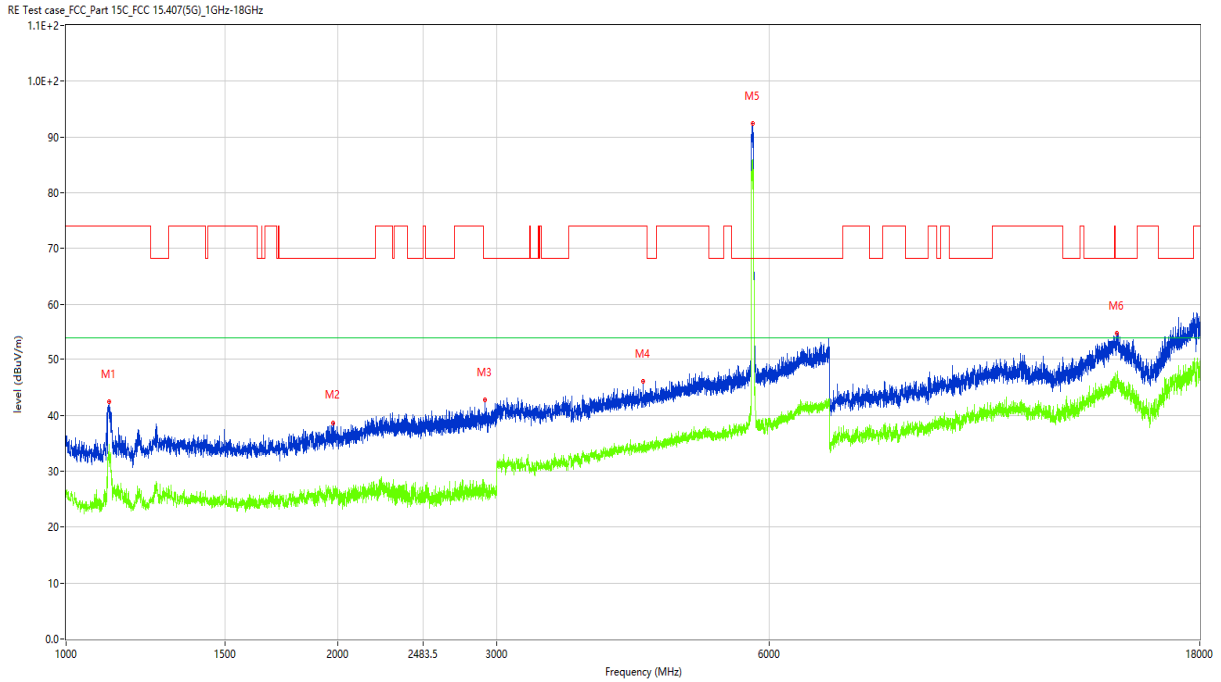
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1110.000	45.35	-16.94	74.0	-28.65	Peak	252.00	100	Horizontal	Pass
1**	1110.000	30.61	-16.94	54.0	-23.39	AV	252.00	100	Horizontal	Pass
2	2194.500	40.19	-12.11	68.2	-28.01	Peak	184.00	100	Horizontal	Pass
2**	2194.500	26.84	-12.11	54.0	-27.16	AV	184.00	100	Horizontal	Pass
3	3811.000	44.41	-5.24	74.0	-29.59	Peak	7.00	100	Horizontal	Pass
3**	3811.000	32.96	-5.24	54.0	-21.04	AV	7.00	100	Horizontal	Pass
4	5823.000	95.82	-0.88	68.2	27.62	Peak	146.00	100	Horizontal	N/A
4**	5823.000	88.10	-0.88	54.0	34.10	AV	146.00	100	Horizontal	N/A
5	10555.750	49.97	6.82	68.2	-18.23	Peak	353.00	100	Horizontal	Pass
5**	10555.750	40.24	6.82	54.0	-13.76	AV	353.00	100	Horizontal	Pass
6	14612.000	55.23	12.21	68.2	-12.97	Peak	361.00	100	Horizontal	Pass
6**	14612.000	45.84	12.21	54.0	-8.16	AV	361.00	100	Horizontal	Pass

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1119.500	44.36	-17.06	74.0	-29.64	Peak	114.00	100	Vertical	Pass
1**	1119.500	35.26	-17.06	54.0	-18.74	AV	114.00	100	Vertical	Pass
2	1777.000	44.88	-15.30	68.2	-23.32	Peak	294.00	100	Vertical	Pass
2**	1777.000	38.93	-15.30	54.0	-15.07	AV	294.00	100	Vertical	Pass
3	2518.500	42.69	-11.71	68.2	-25.51	Peak	329.00	100	Vertical	Pass
3**	2518.500	32.30	-11.71	54.0	-21.70	AV	329.00	100	Vertical	Pass
4	5753.000	86.11	-0.72	68.2	17.91	Peak	143.00	100	Vertical	N/A
4**	5753.000	78.88	-0.72	54.0	24.88	AV	143.00	100	Vertical	N/A
5	11133.250	51.47	6.48	74.0	-22.53	Peak	78.00	100	Vertical	Pass
5**	11133.250	41.42	6.48	54.0	-12.58	AV	78.00	100	Vertical	Pass
6	14570.750	55.24	11.86	68.2	-12.96	Peak	253.00	100	Vertical	Pass
6**	14570.750	46.57	11.86	54.0	-7.43	AV	253.00	100	Vertical	Pass

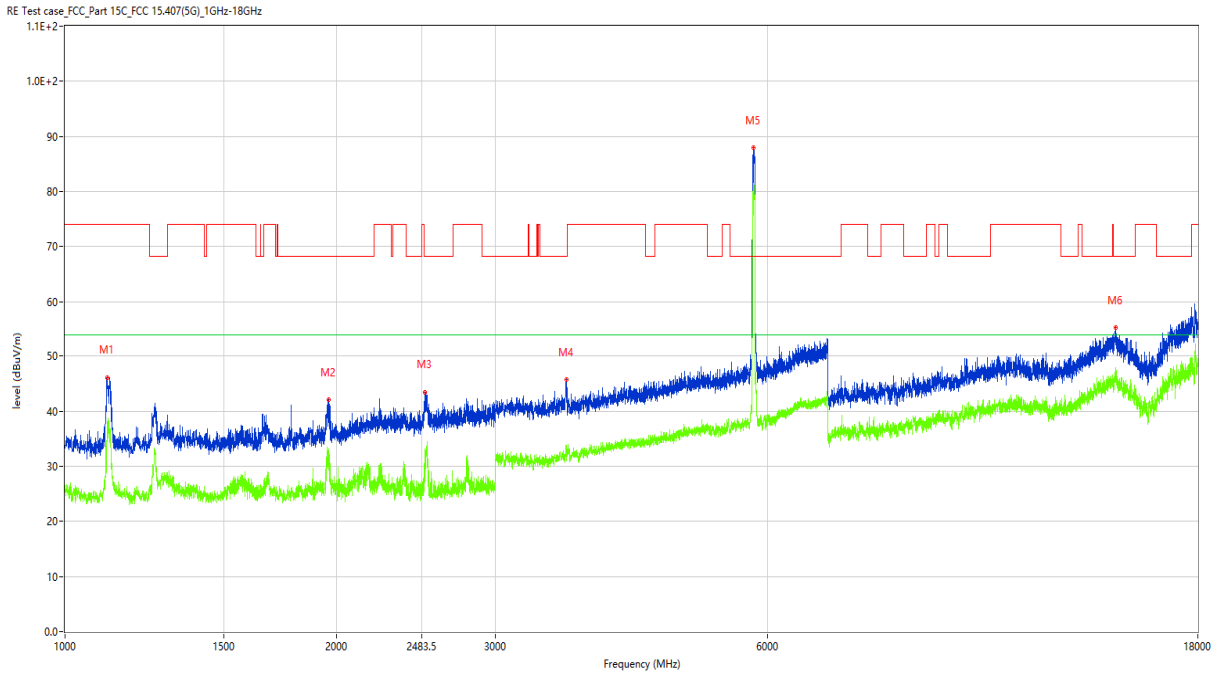
11n40, U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1115.500	42.40	-17.03	74.0	-31.60	Peak	245.00	100	Horizontal	Pass
1**	1115.500	31.95	-17.03	54.0	-22.05	AV	245.00	100	Horizontal	Pass
2	1975.000	38.66	-14.61	68.2	-29.54	Peak	69.00	100	Horizontal	Pass
2**	1975.000	25.18	-14.61	54.0	-28.82	AV	69.00	100	Horizontal	Pass
3	2909.000	42.73	-9.15	68.2	-25.47	Peak	69.00	100	Horizontal	Pass
3**	2909.000	27.39	-9.15	54.0	-26.61	AV	69.00	100	Horizontal	Pass
4	4355.000	46.05	-3.91	74.0	-27.95	Peak	180.00	100	Horizontal	Pass
4**	4355.000	34.30	-3.91	54.0	-19.70	AV	180.00	100	Horizontal	Pass
5	5757.000	92.37	-0.86	68.2	24.17	Peak	146.00	100	Horizontal	N/A
5**	5757.000	84.28	-0.86	54.0	30.28	AV	146.00	100	Horizontal	N/A
6	14576.250	54.81	12.06	68.2	-13.39	Peak	108.00	100	Horizontal	Pass
6**	14576.250	46.07	12.06	54.0	-7.93	AV	108.00	100	Horizontal	Pass

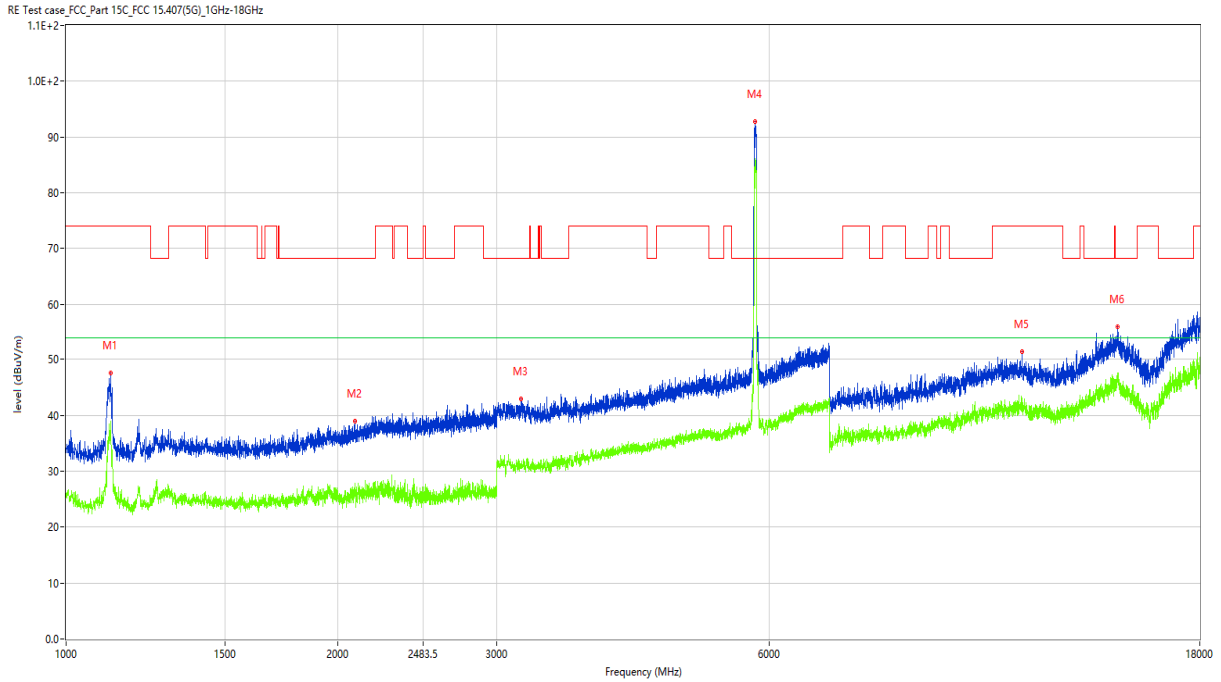


11n40, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT V



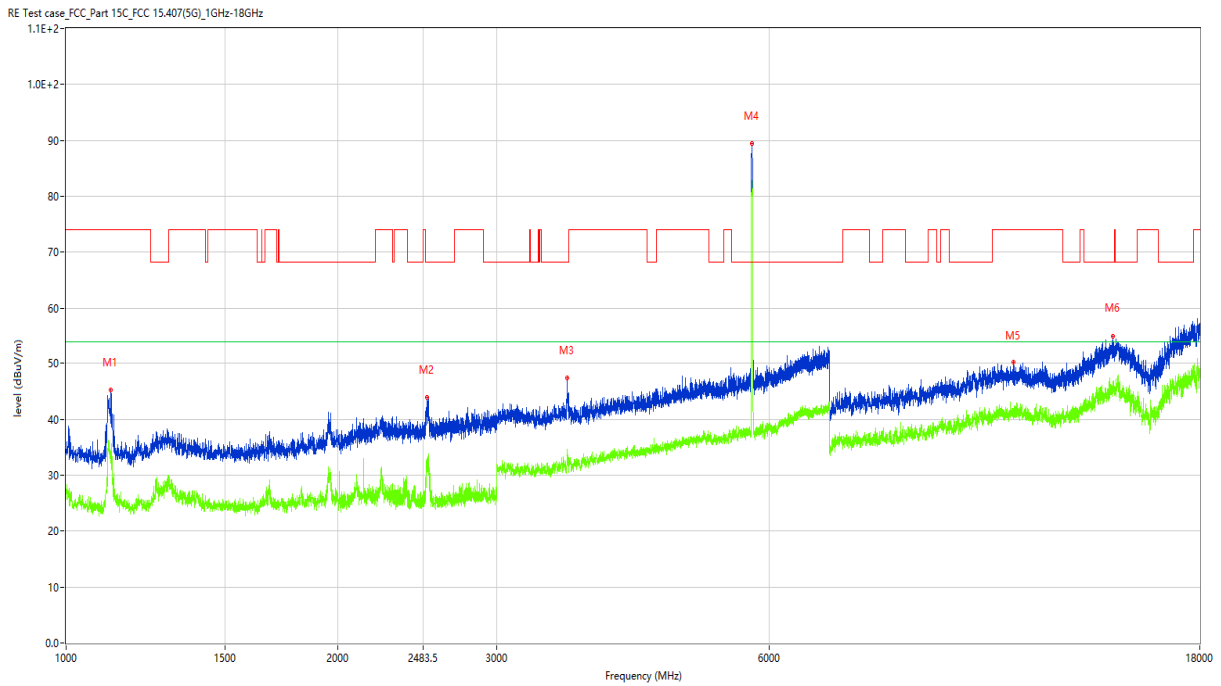
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1114.500	46.12	-16.94	74.0	-27.88	Peak	208.00	100	Vertical	Pass
1**	1114.500	38.12	-16.94	54.0	-15.88	AV	208.00	100	Vertical	Pass
2	1959.500	42.06	-14.62	68.2	-26.14	Peak	172.00	100	Vertical	Pass
2**	1959.500	29.39	-14.62	54.0	-24.61	AV	172.00	100	Vertical	Pass
3	2506.000	43.47	-11.48	68.2	-24.73	Peak	0.00	100	Vertical	Pass
3**	2506.000	30.22	-11.48	54.0	-23.78	AV	0.00	100	Vertical	Pass
4	3596.000	45.67	-6.44	68.2	-22.53	Peak	224.00	100	Vertical	Pass
4**	3596.000	32.62	-6.44	54.0	-21.38	AV	224.00	100	Vertical	Pass
5	5797.000	87.89	-1.41	68.2	19.69	Peak	118.00	100	Vertical	N/A
5**	5797.000	80.08	-1.41	54.0	26.08	AV	118.00	100	Vertical	N/A
6	14587.250	55.34	12.38	68.2	-12.86	Peak	0.00	100	Vertical	Pass
6**	14587.250	46.76	12.38	54.0	-7.24	AV	0.00	100	Vertical	Pass

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



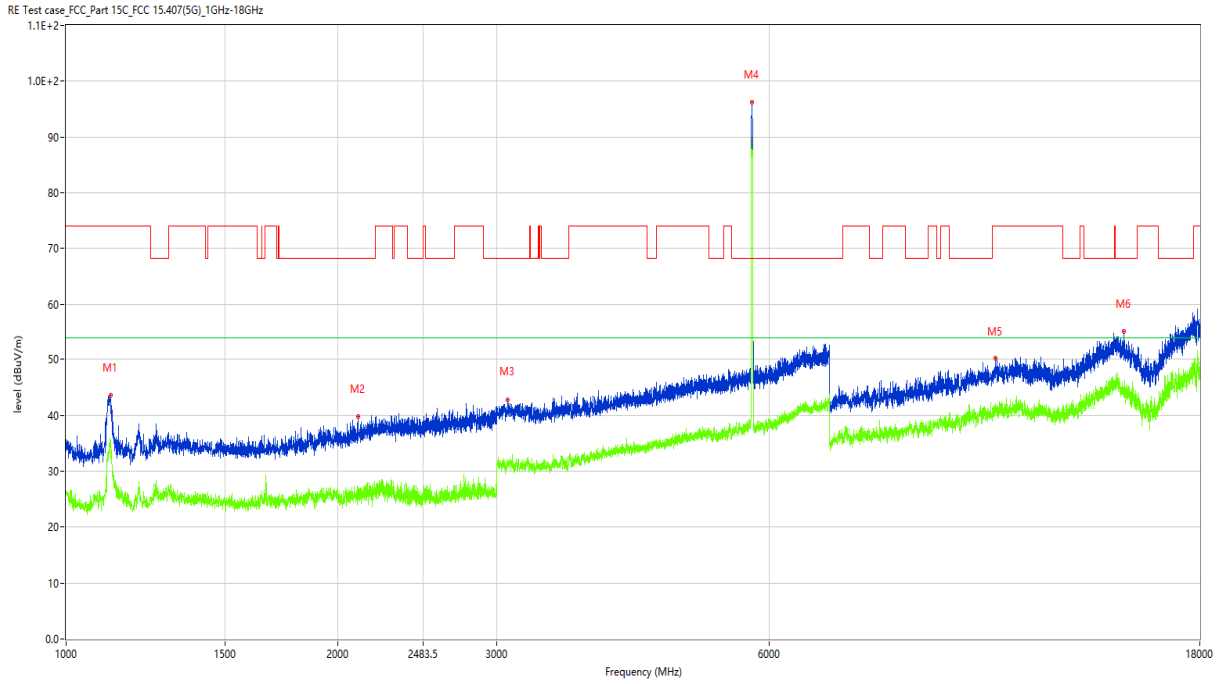
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1120.000	47.49	-17.13	74.0	-26.51	Peak	261.00	100	Horizontal	Pass
1**	1120.000	36.38	-17.13	54.0	-17.62	AV	261.00	100	Horizontal	Pass
2	2087.000	38.91	-13.54	68.2	-29.29	Peak	119.00	100	Horizontal	Pass
2**	2087.000	26.44	-13.54	54.0	-27.56	AV	119.00	100	Horizontal	Pass
3	3191.000	42.95	-7.49	68.2	-25.25	Peak	0.00	100	Horizontal	Pass
3**	3191.000	30.52	-7.49	54.0	-23.48	AV	0.00	100	Horizontal	Pass
4	5792.000	92.70	-1.11	68.2	24.50	Peak	138.00	100	Horizontal	N/A
4**	5792.000	85.36	-1.11	54.0	31.36	AV	138.00	100	Horizontal	N/A
5	11441.250	51.43	6.72	74.0	-22.57	Peak	361.00	100	Horizontal	Pass
5**	11441.250	41.44	6.72	54.0	-12.56	AV	361.00	100	Horizontal	Pass
6	14609.250	56.00	12.25	68.2	-12.20	Peak	327.00	100	Horizontal	Pass
6**	14609.250	46.92	12.25	54.0	-7.08	AV	327.00	100	Horizontal	Pass

11ac20, U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT V



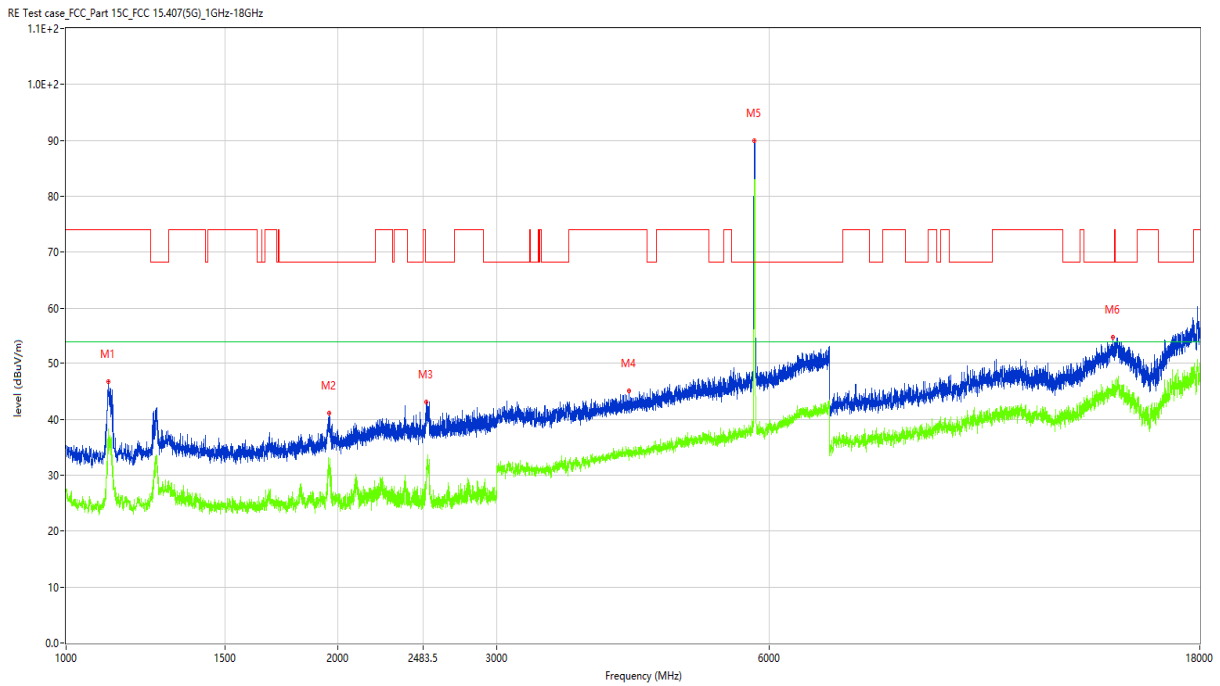
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1121.500	45.21	-17.26	74.0	-28.79	Peak	116.00	100	Vertical	Pass
1**	1121.500	33.06	-17.26	54.0	-20.94	AV	116.00	100	Vertical	Pass
2	2509.000	43.92	-11.86	68.2	-24.28	Peak	361.00	100	Vertical	Pass
2**	2509.000	30.95	-11.86	54.0	-23.05	AV	361.00	100	Vertical	Pass
3	3586.000	47.35	-5.45	68.2	-20.85	Peak	205.00	100	Vertical	Pass
3**	3586.000	32.52	-5.45	54.0	-21.48	AV	205.00	100	Vertical	Pass
4	5744.000	89.47	-1.47	68.2	21.27	Peak	131.00	100	Vertical	N/A
4**	5744.000	82.18	-1.47	54.0	28.18	AV	131.00	100	Vertical	N/A
5	11182.750	50.16	7.04	74.0	-23.84	Peak	222.00	100	Vertical	Pass
5**	11182.750	40.58	7.04	54.0	-13.42	AV	222.00	100	Vertical	Pass
6	14408.500	55.07	11.37	68.2	-13.13	Peak	222.00	100	Vertical	Pass
6**	14408.500	45.63	11.37	54.0	-8.37	AV	222.00	100	Vertical	Pass

11ac20, U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT H



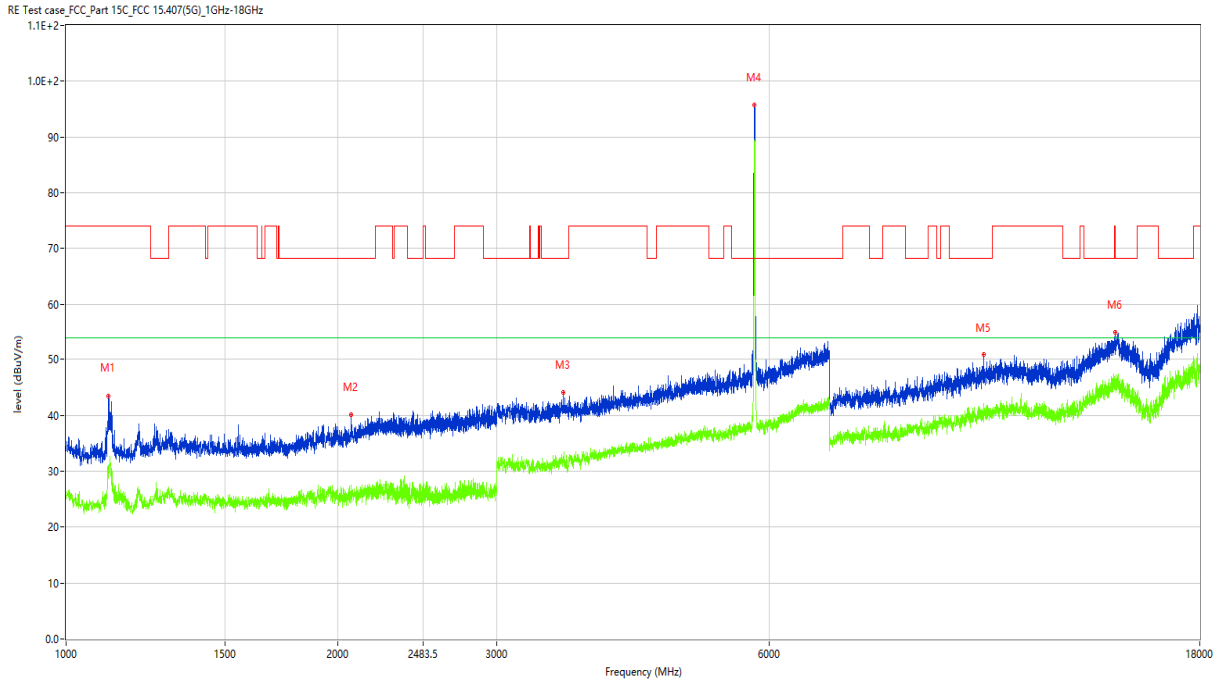
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1119.500	43.56	-17.06	74.0	-30.44	Peak	245.00	100	Horizontal	Pass
1**	1119.500	34.22	-17.06	54.0	-19.78	AV	245.00	100	Horizontal	Pass
2	2105.500	39.72	-13.36	68.2	-28.48	Peak	138.00	100	Horizontal	Pass
2**	2105.500	25.81	-13.36	54.0	-28.19	AV	138.00	100	Horizontal	Pass
3	3085.000	42.81	-7.48	68.2	-25.39	Peak	360.00	100	Horizontal	Pass
3**	3085.000	31.34	-7.48	54.0	-22.66	AV	360.00	100	Horizontal	Pass
4	5746.000	96.20	-1.16	68.2	28.00	Peak	150.00	100	Horizontal	N/A
4**	5746.000	88.25	-1.16	54.0	34.25	AV	150.00	100	Horizontal	N/A
5	10682.250	50.16	6.64	74.0	-23.84	Peak	-1.00	100	Horizontal	Pass
5**	10682.250	40.38	6.64	54.0	-13.62	AV	-1.00	100	Horizontal	Pass
6	14823.750	55.09	13.50	68.2	-13.11	Peak	67.00	100	Horizontal	Pass
6**	14823.750	44.66	13.50	54.0	-9.34	AV	67.00	100	Horizontal	Pass

11ac20, U-NII-3, 1 GHz to 18 GHz, Middle Channel, ANT V



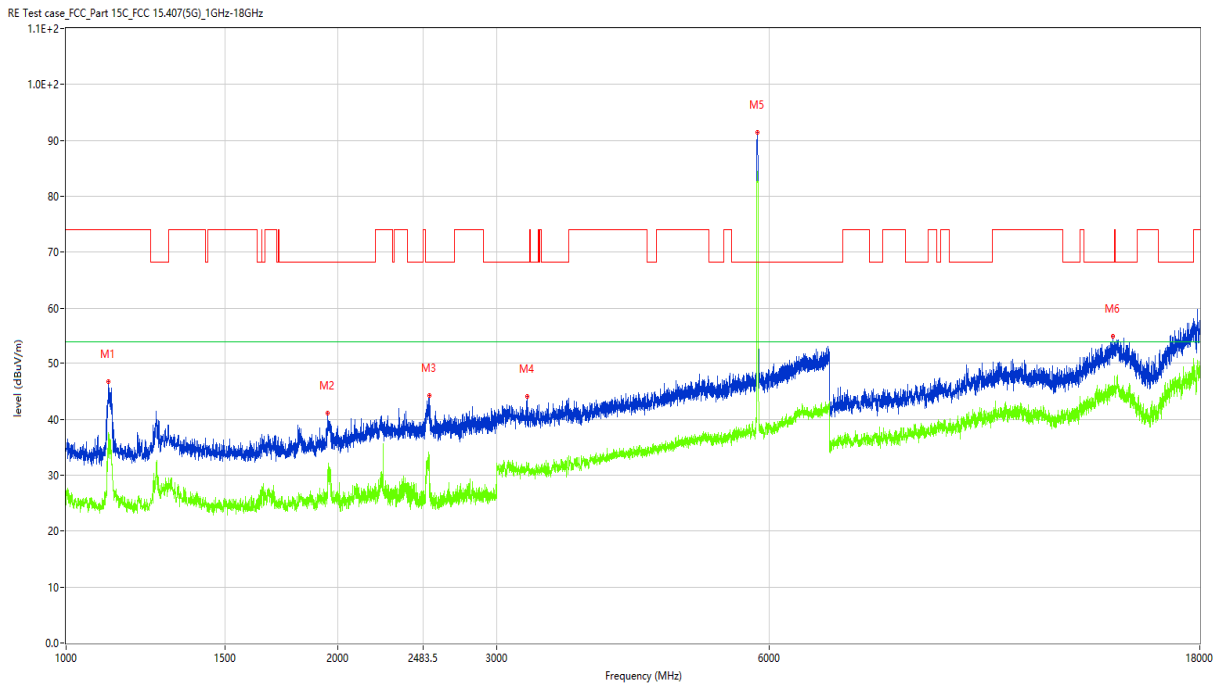
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1113.000	46.74	-17.06	74.0	-27.26	Peak	207.00	100	Vertical	Pass
1**	1113.000	33.90	-17.06	54.0	-20.10	AV	207.00	100	Vertical	Pass
2	1954.500	41.03	-14.62	68.2	-27.17	Peak	170.00	100	Vertical	Pass
2**	1954.500	31.73	-14.62	54.0	-22.27	AV	170.00	100	Vertical	Pass
3	2507.000	43.11	-11.57	68.2	-25.09	Peak	207.00	100	Vertical	Pass
3**	2507.000	30.77	-11.57	54.0	-23.23	AV	207.00	100	Vertical	Pass
4	4204.000	44.99	-4.01	74.0	-29.01	Peak	266.00	100	Vertical	Pass
4**	4204.000	33.23	-4.01	54.0	-20.77	AV	266.00	100	Vertical	Pass
5	5783.000	89.90	-1.21	68.2	21.70	Peak	155.00	100	Vertical	N/A
5**	5783.000	81.97	-1.21	54.0	27.97	AV	155.00	100	Vertical	N/A
6	14427.750	54.87	10.72	68.2	-13.33	Peak	-1.00	100	Vertical	Pass
6**	14427.750	45.19	10.72	54.0	-8.81	AV	-1.00	100	Vertical	Pass

11ac20, U-NII-3, 1 GHz to 18 GHz, Middle Channel, ANT H



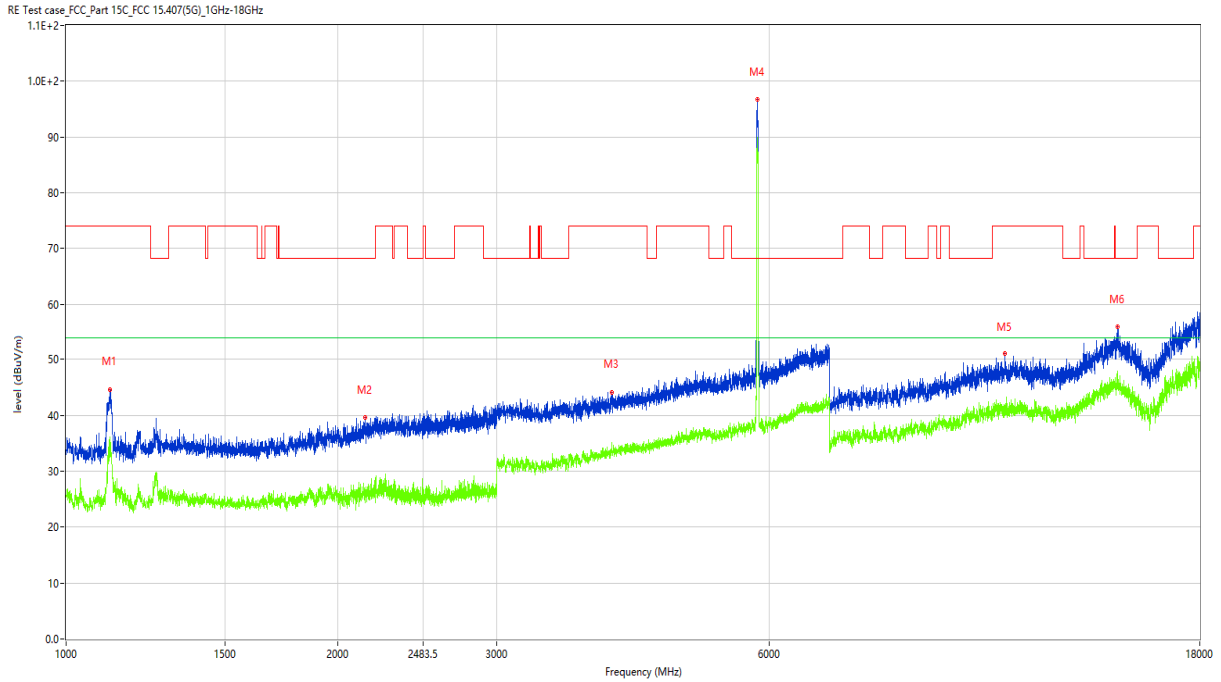
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1113.500	43.48	-17.11	74.0	-30.52	Peak	302.00	100	Horizontal	Pass
1**	1113.500	29.03	-17.11	54.0	-24.97	AV	302.00	100	Horizontal	Pass
2	2069.500	40.05	-13.28	68.2	-28.15	Peak	265.00	100	Horizontal	Pass
2**	2069.500	26.44	-13.28	54.0	-27.56	AV	265.00	100	Horizontal	Pass
3	3554.000	44.05	-6.32	68.2	-24.15	Peak	28.00	100	Horizontal	Pass
3**	3554.000	31.75	-6.32	54.0	-22.25	AV	28.00	100	Horizontal	Pass
4	5786.000	95.75	-1.18	68.2	27.55	Peak	172.00	100	Horizontal	N/A
4**	5786.000	86.44	-1.18	54.0	32.44	AV	172.00	100	Horizontal	N/A
5	10385.250	50.89	6.90	68.2	-17.31	Peak	304.00	100	Horizontal	Pass
5**	10385.250	40.89	6.90	54.0	-13.11	AV	304.00	100	Horizontal	Pass
6	14515.750	54.99	11.94	68.2	-13.21	Peak	14.00	100	Horizontal	Pass
6**	14515.750	46.37	11.94	54.0	-7.63	AV	14.00	100	Horizontal	Pass

11ac20, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1114.000	46.77	-17.02	74.0	-27.23	Peak	228.00	100	Vertical	Pass
1**	1114.000	36.76	-17.02	54.0	-17.24	AV	228.00	100	Vertical	Pass
2	1947.500	41.12	-13.95	68.2	-27.08	Peak	156.00	100	Vertical	Pass
2**	1947.500	29.75	-13.95	54.0	-24.25	AV	156.00	100	Vertical	Pass
3	2523.000	44.23	-11.89	68.2	-23.97	Peak	360.00	100	Vertical	Pass
3**	2523.000	30.00	-11.89	54.0	-24.00	AV	360.00	100	Vertical	Pass
4	3242.000	44.05	-7.38	68.2	-24.15	Peak	0.00	100	Vertical	Pass
4**	3242.000	31.68	-7.38	54.0	-22.32	AV	0.00	100	Vertical	Pass
5	5824.000	91.44	-0.76	68.2	23.24	Peak	169.00	100	Vertical	N/A
5**	5824.000	84.42	-0.76	54.0	30.42	AV	169.00	100	Vertical	N/A
6	14408.500	55.05	11.37	68.2	-13.15	Peak	119.00	100	Vertical	Pass
6**	14408.500	44.92	11.37	54.0	-9.08	AV	119.00	100	Vertical	Pass

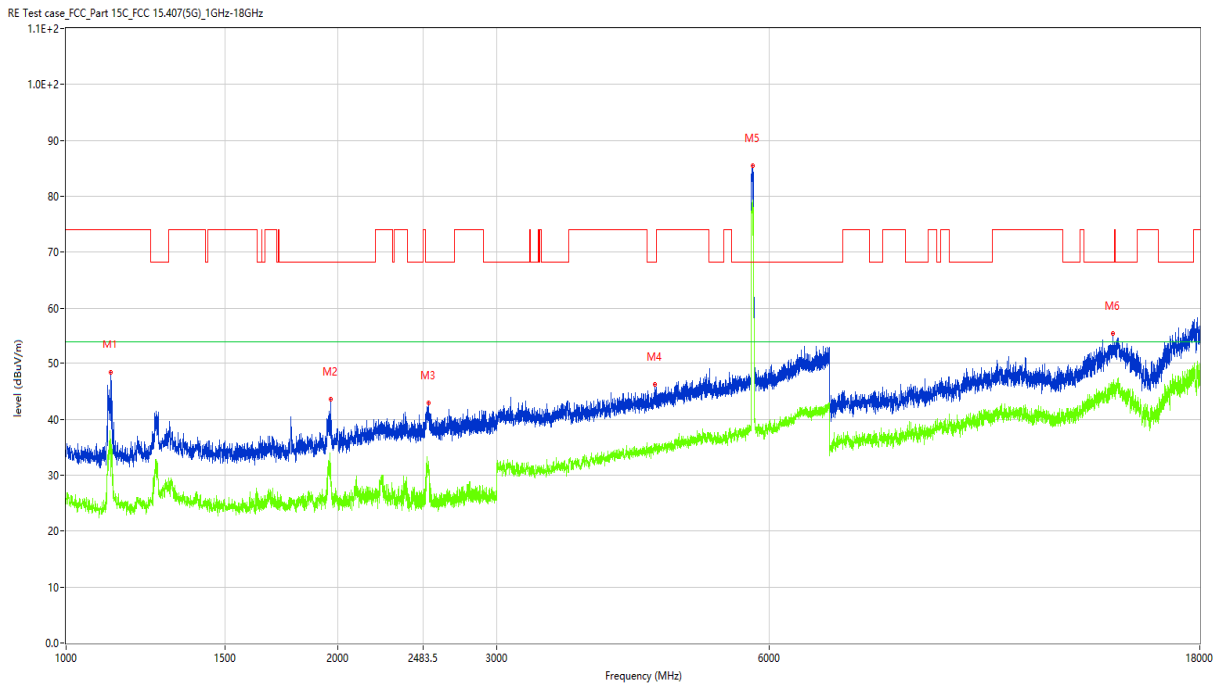
11ac20, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1117.500	44.65	-16.99	74.0	-29.35	Peak	276.00	100	Horizontal	Pass
1**	1117.500	32.72	-16.99	54.0	-21.28	AV	276.00	100	Horizontal	Pass
2	2144.000	39.56	-12.72	68.2	-28.64	Peak	205.00	100	Horizontal	Pass
2**	2144.000	26.50	-12.72	54.0	-27.50	AV	205.00	100	Horizontal	Pass
3	4018.000	44.14	-4.47	74.0	-29.86	Peak	360.00	100	Horizontal	Pass
3**	4018.000	33.31	-4.47	54.0	-20.69	AV	360.00	100	Horizontal	Pass
4	5823.000	96.67	-0.88	68.2	28.47	Peak	154.00	100	Horizontal	N/A
4**	5823.000	88.57	-0.88	54.0	34.57	AV	154.00	100	Horizontal	N/A
5	10943.500	50.97	7.42	74.0	-23.03	Peak	135.00	100	Horizontal	Pass
5**	10943.500	40.47	7.42	54.0	-13.53	AV	135.00	100	Horizontal	Pass
6	14595.500	55.98	12.45	68.2	-12.22	Peak	61.00	100	Horizontal	Pass
6**	14595.500	44.69	12.45	54.0	-9.31	AV	61.00	100	Horizontal	Pass



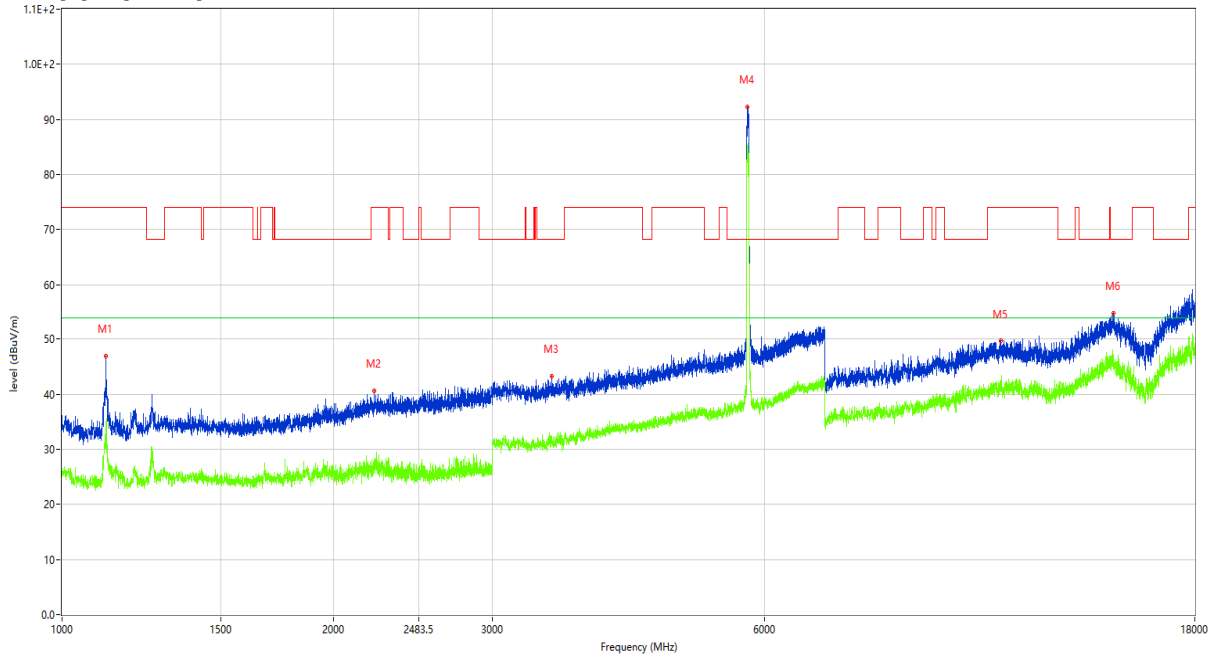
11ac40, U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1121.500	48.44	-17.26	74.0	-25.56	Peak	204.00	100	Vertical	Pass
1**	1121.500	29.88	-17.26	54.0	-24.12	AV	204.00	100	Vertical	Pass
2	1964.000	43.52	-14.55	68.2	-24.68	Peak	167.00	100	Vertical	Pass
2**	1964.000	28.11	-14.55	54.0	-25.89	AV	167.00	100	Vertical	Pass
3	2519.000	42.87	-11.74	68.2	-25.33	Peak	-1.00	100	Vertical	Pass
3**	2519.000	32.23	-11.74	54.0	-21.77	AV	-1.00	100	Vertical	Pass
4	4483.000	46.22	-3.55	68.2	-21.98	Peak	301.00	100	Vertical	Pass
4**	4483.000	34.17	-3.55	54.0	-19.83	AV	301.00	100	Vertical	Pass
5	5760.000	85.48	-0.72	68.2	17.28	Peak	155.00	100	Vertical	N/A
5**	5760.000	79.29	-0.72	54.0	25.29	AV	155.00	100	Vertical	N/A
6	14433.250	55.53	10.66	68.2	-12.67	Peak	205.00	100	Vertical	Pass
6**	14433.250	45.53	10.66	54.0	-8.47	AV	205.00	100	Vertical	Pass

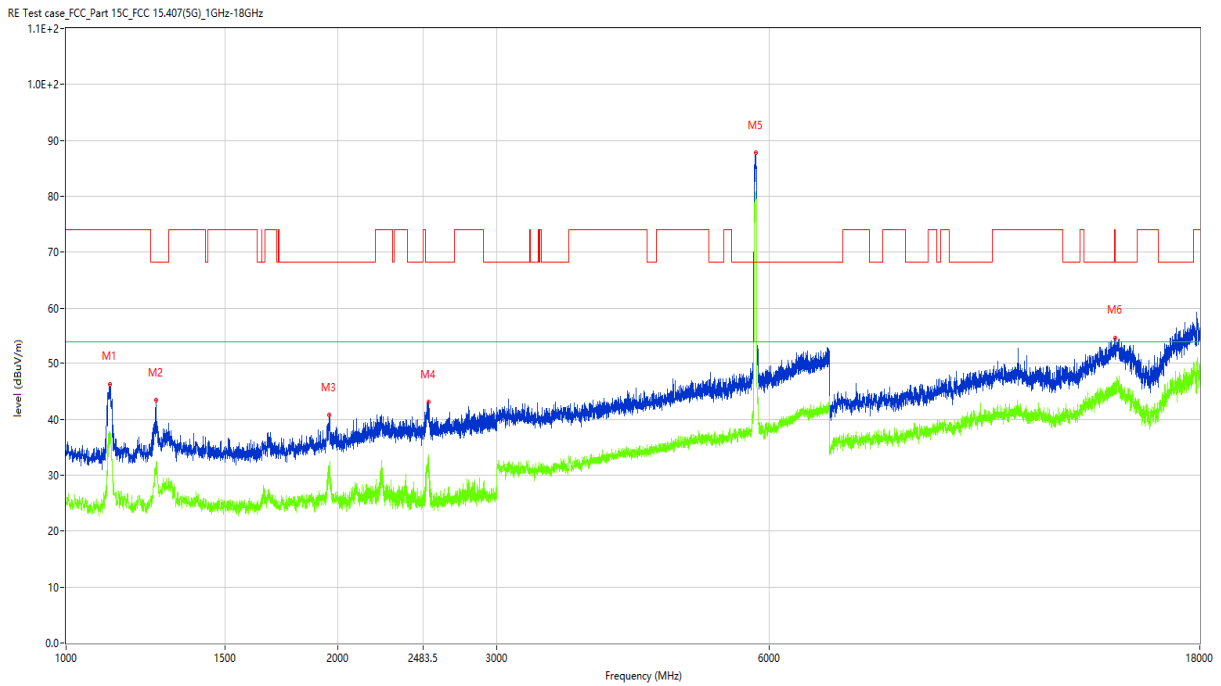
11ac40, U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT H

RE Test case FCC\_Part 15C\_FCC 15.407(5G)\_1GHz-18GHz



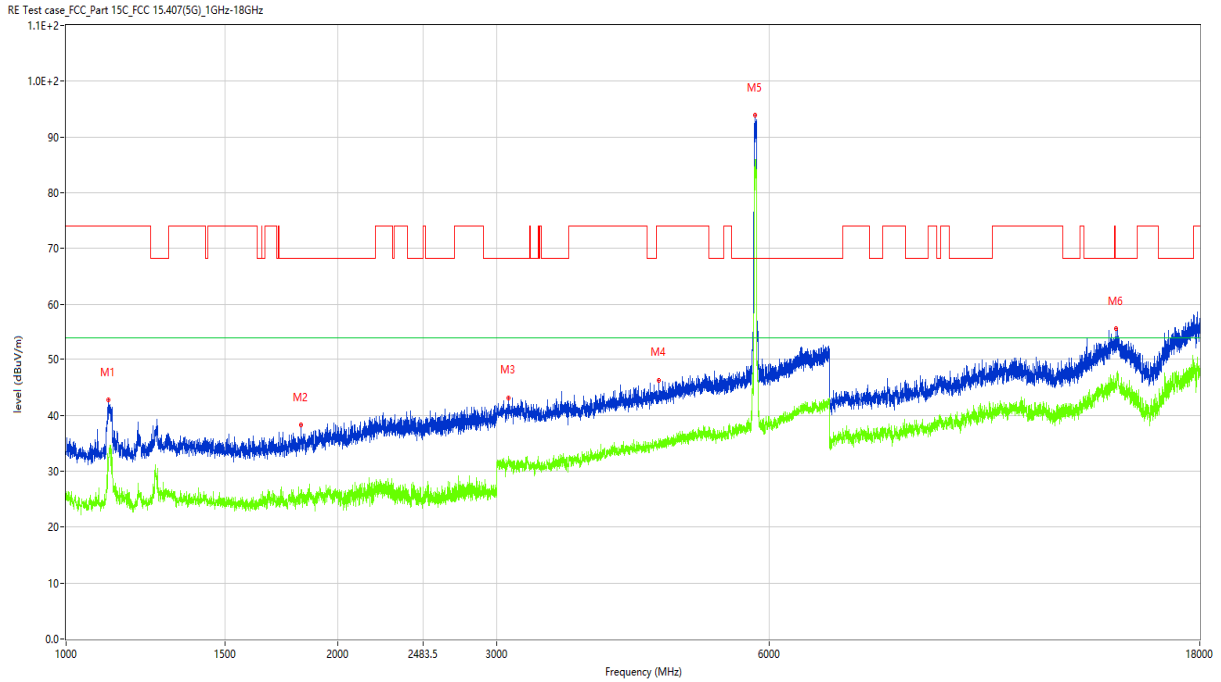
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1118.500	46.84	-17.03	74.0	-27.16	Peak	269.00	100	Horizontal	Pass
1**	1118.500	31.43	-17.03	54.0	-22.57	AV	269.00	100	Horizontal	Pass
2	2216.500	40.62	-12.09	74.0	-33.38	Peak	120.00	100	Horizontal	Pass
2**	2216.500	26.53	-12.09	54.0	-27.47	AV	120.00	100	Horizontal	Pass
3	3487.000	43.27	-6.59	68.2	-24.93	Peak	-1.00	100	Horizontal	Pass
3**	3487.000	31.84	-6.59	54.0	-22.16	AV	-1.00	100	Horizontal	Pass
4	5752.000	92.21	-0.73	68.2	24.01	Peak	204.00	100	Horizontal	N/A
4**	5752.000	85.28	-0.73	54.0	31.28	AV	204.00	100	Horizontal	N/A
5	10979.250	49.71	7.17	74.0	-24.29	Peak	361.00	100	Horizontal	Pass
5**	10979.250	40.61	7.17	54.0	-13.39	AV	361.00	100	Horizontal	Pass
6	14623.000	54.87	12.06	68.2	-13.33	Peak	155.00	100	Horizontal	Pass
6**	14623.000	45.17	12.06	54.0	-8.83	AV	155.00	100	Horizontal	Pass

11ac40, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT V



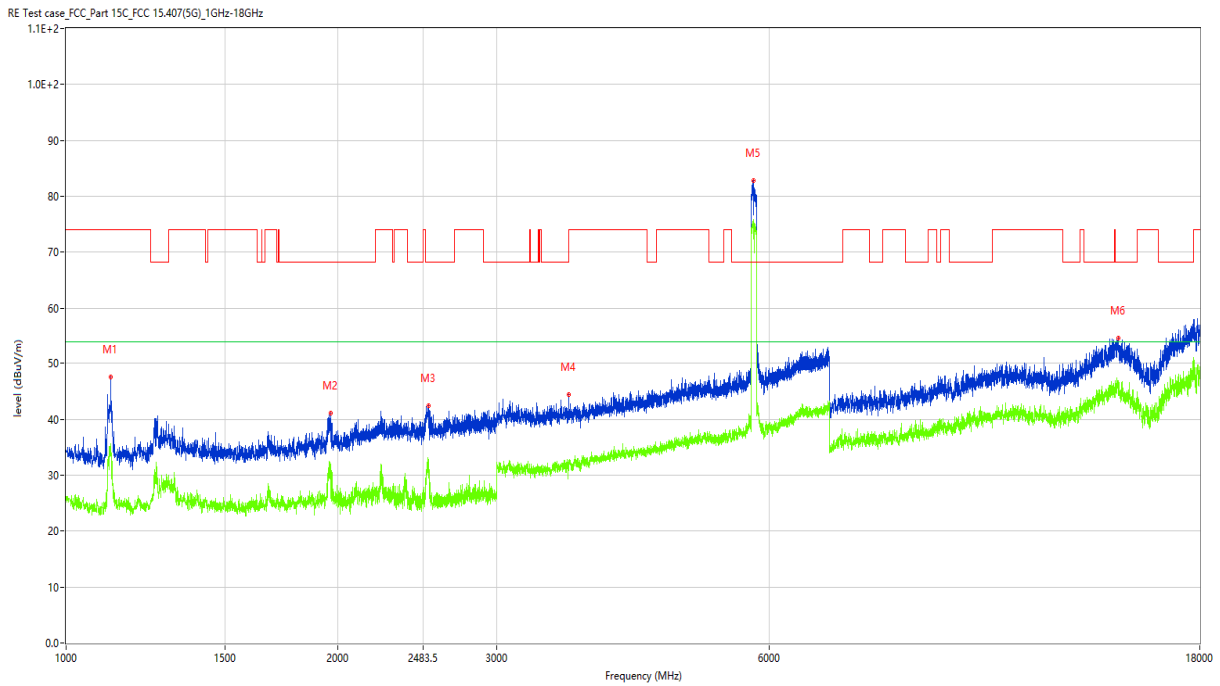
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1118.000	46.30	-16.99	74.0	-27.70	Peak	345.00	100	Vertical	Pass
1**	1118.000	37.20	-16.99	54.0	-16.80	AV	345.00	100	Vertical	Pass
2	1258.000	43.43	-16.10	68.2	-24.77	Peak	160.00	100	Vertical	Pass
2**	1258.000	30.04	-16.10	54.0	-23.96	AV	160.00	100	Vertical	Pass
3	1956.500	40.77	-14.65	68.2	-27.43	Peak	160.00	100	Vertical	Pass
3**	1956.500	31.14	-14.65	54.0	-22.86	AV	160.00	100	Vertical	Pass
4	2517.500	43.12	-11.89	68.2	-25.08	Peak	360.00	100	Vertical	Pass
4**	2517.500	31.18	-11.89	54.0	-22.82	AV	360.00	100	Vertical	Pass
5	5799.000	87.78	-1.05	68.2	19.58	Peak	166.00	100	Vertical	N/A
5**	5799.000	80.64	-1.05	54.0	26.64	AV	166.00	100	Vertical	N/A
6	14513.000	54.74	12.02	68.2	-13.46	Peak	14.00	100	Vertical	Pass
6**	14513.000	46.39	12.02	54.0	-7.61	AV	14.00	100	Vertical	Pass

11ac40, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT H



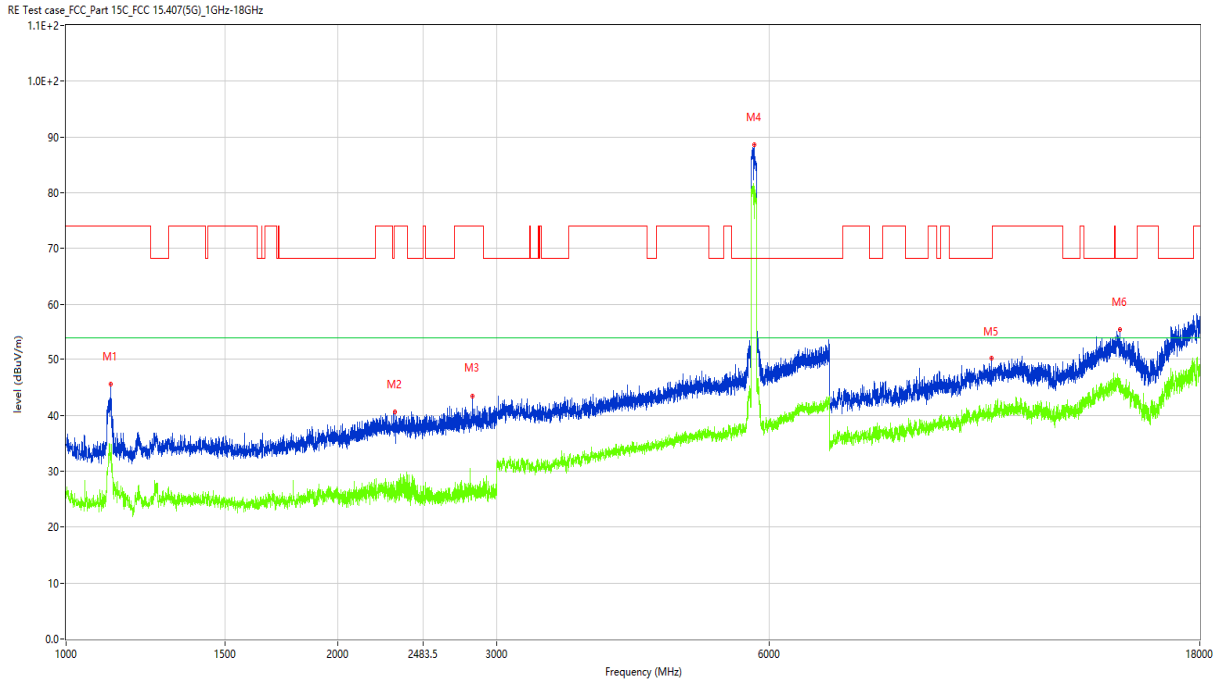
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1114.000	42.70	-17.02	74.0	-31.30	Peak	272.00	100	Horizontal	Pass
1**	1114.000	31.86	-17.02	54.0	-22.14	AV	272.00	100	Horizontal	Pass
2	1820.000	38.19	-15.00	68.2	-30.01	Peak	88.00	100	Horizontal	Pass
2**	1820.000	25.53	-15.00	54.0	-28.47	AV	88.00	100	Horizontal	Pass
3	3088.000	43.14	-7.42	68.2	-25.06	Peak	341.00	100	Horizontal	Pass
3**	3088.000	31.98	-7.42	54.0	-22.02	AV	341.00	100	Horizontal	Pass
4	4534.000	46.30	-3.73	74.0	-27.70	Peak	156.00	100	Horizontal	Pass
4**	4534.000	34.78	-3.73	54.0	-19.22	AV	156.00	100	Horizontal	Pass
5	5798.000	93.87	-1.10	68.2	25.67	Peak	156.00	100	Horizontal	N/A
5**	5798.000	85.99	-1.10	54.0	31.99	AV	156.00	100	Horizontal	N/A
6	14537.750	55.65	11.42	68.2	-12.55	Peak	-1.00	100	Horizontal	Pass
6**	14537.750	45.54	11.42	54.0	-8.46	AV	-1.00	100	Horizontal	Pass

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1120.000	47.55	-17.13	74.0	-26.45	Peak	200.00	100	Vertical	Pass
1**	1120.000	33.38	-17.13	54.0	-20.62	AV	200.00	100	Vertical	Pass
2	1961.500	41.08	-14.62	68.2	-27.12	Peak	163.00	100	Vertical	Pass
2**	1961.500	29.93	-14.62	54.0	-24.07	AV	163.00	100	Vertical	Pass
3	2517.500	42.36	-11.89	68.2	-25.84	Peak	-1.00	100	Vertical	Pass
3**	2517.500	32.25	-11.89	54.0	-21.75	AV	-1.00	100	Vertical	Pass
4	3600.000	44.36	-6.34	68.2	-23.84	Peak	195.00	100	Vertical	Pass
4**	3600.000	31.59	-6.34	54.0	-22.41	AV	195.00	100	Vertical	Pass
5	5770.000	82.88	-1.35	68.2	14.68	Peak	158.00	100	Vertical	N/A
5**	5770.000	75.89	-1.35	54.0	21.89	AV	158.00	100	Vertical	N/A
6	14612.000	54.68	12.21	68.2	-13.52	Peak	16.00	100	Vertical	Pass
6**	14612.000	45.35	12.21	54.0	-8.65	AV	16.00	100	Vertical	Pass

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1120.000	45.53	-17.13	74.0	-28.47	Peak	276.00	100	Horizontal	Pass
1**	1120.000	32.02	-17.13	54.0	-21.98	AV	276.00	100	Horizontal	Pass
2	2314.500	40.55	-12.16	74.0	-33.45	Peak	315.00	100	Horizontal	Pass
2**	2314.500	27.50	-12.16	54.0	-26.50	AV	315.00	100	Horizontal	Pass
3	2820.000	43.48	-9.17	74.0	-30.52	Peak	200.00	100	Horizontal	Pass
3**	2820.000	26.38	-9.17	54.0	-27.62	AV	200.00	100	Horizontal	Pass
4	5781.000	88.66	-1.29	68.2	20.46	Peak	159.00	100	Horizontal	N/A
4**	5781.000	80.73	-1.29	54.0	26.73	AV	159.00	100	Horizontal	N/A
5	10577.750	50.16	7.13	68.2	-18.04	Peak	360.00	100	Horizontal	Pass
5**	10577.750	39.39	7.13	54.0	-14.61	AV	360.00	100	Horizontal	Pass
6	14680.750	55.46	11.56	68.2	-12.74	Peak	242.00	100	Horizontal	Pass
6**	14680.750	44.11	11.56	54.0	-9.89	AV	242.00	100	Horizontal	Pass

## A.6.2 Band Edge (Restricted-band)

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

Test Plots

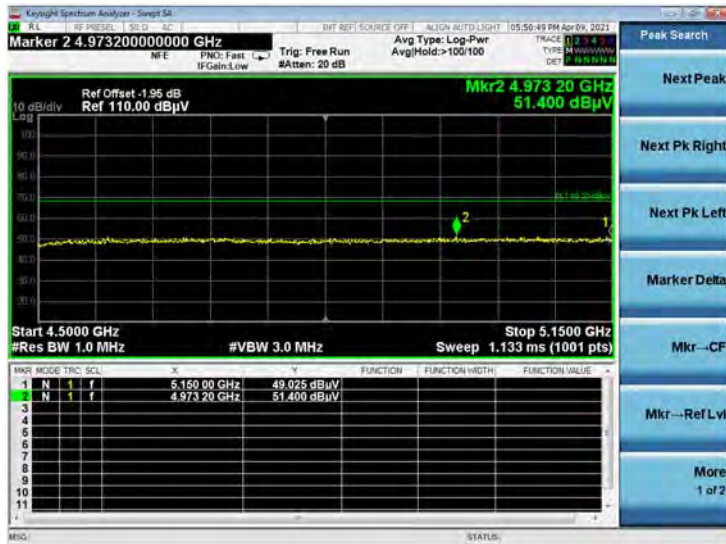
U-NII-1 11a CH36 Peak



U-NII-1 11n20 CH36 Peak



U-NII-1 11n40 CH38 Peak



U-NII-1 11ac20 CH36 Peak



U-NII-1 11ac40 CH38 Peak

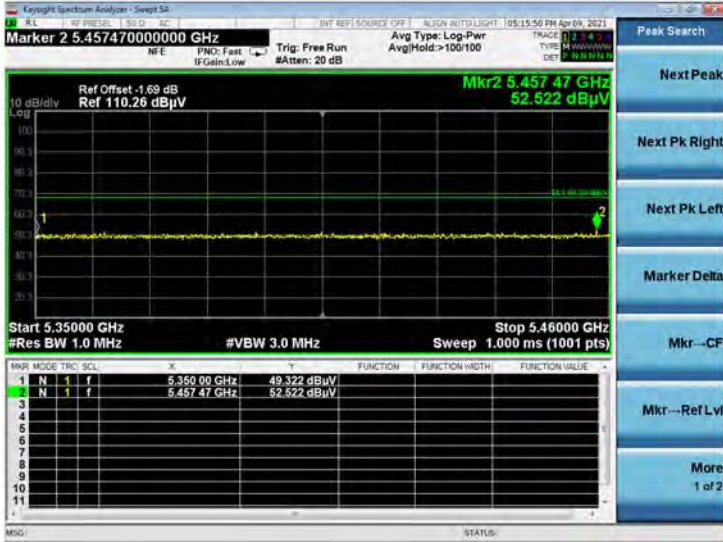


U-NII-1 11ac80 CH42 Peak

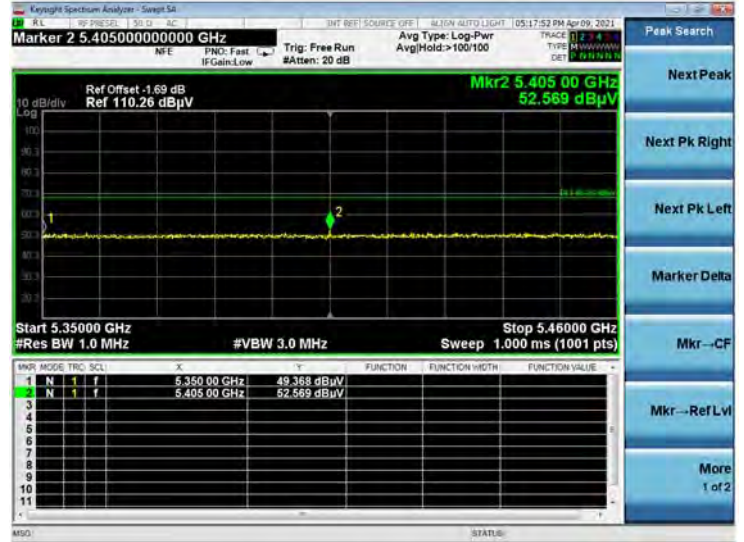




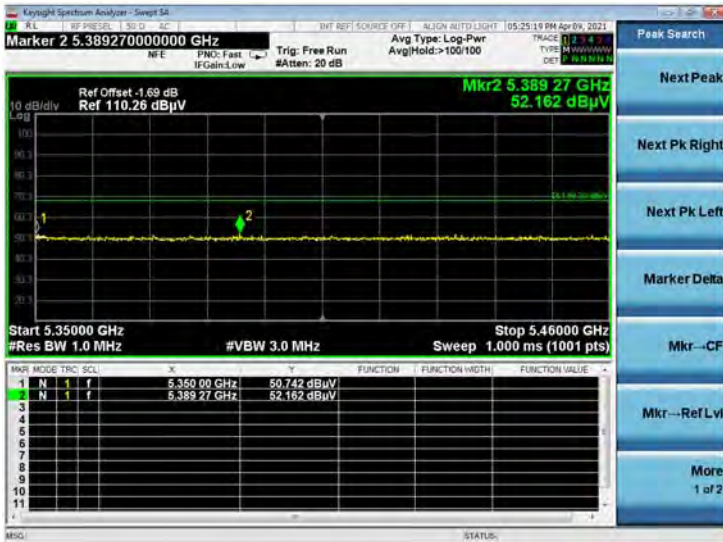
U-NII-2A 11a CH64 Peak



U-NII-2A 11n20 CH64 Peak



U-NII-2A 11n40 CH62 Peak



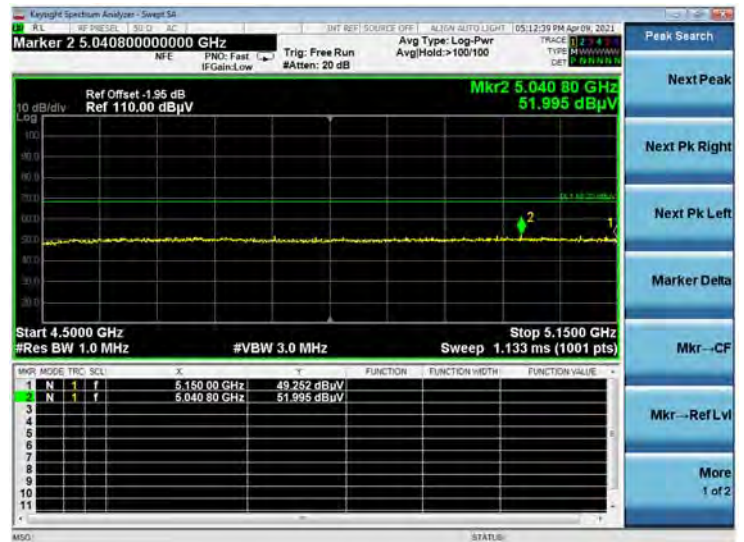
U-NII-2A 11ac20 CH64 Peak



U-NII-2A 11ac40 CH62 Peak



U-NII-2A 11ac80 CH58 Peak

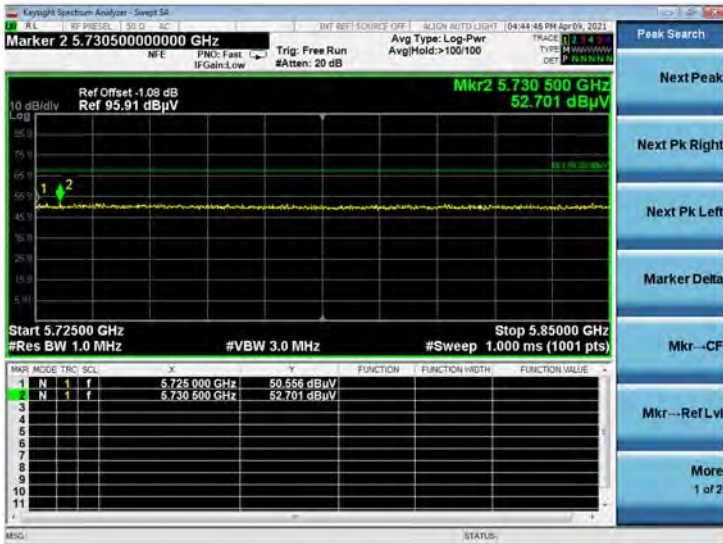


U-NII-2C 11a CH100 Peak

U-NII-2C 11a CH100 AV



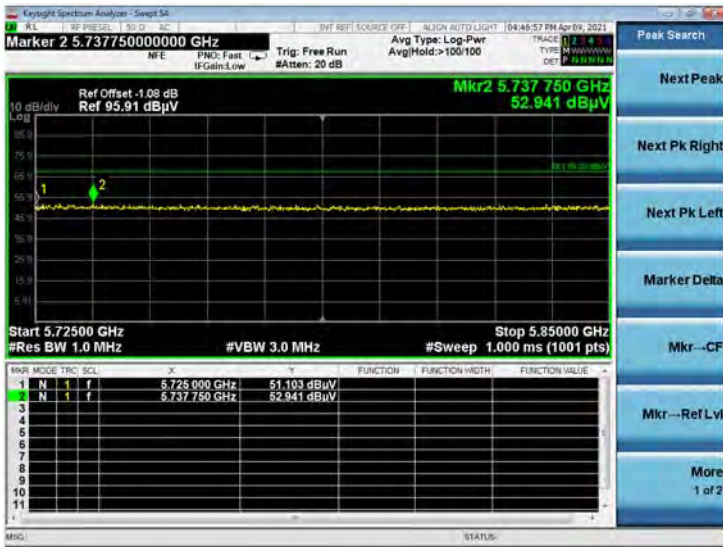
U-NII-2C 11a CH140 Peak



U-NII-2C 11n20 CH100 Peak



U-NII-2C 11n20 CH140 Peak



U-NII-2C 11n40 CH102 Peak



U-NII-2C 11n40 CH102 AV



U-NII-2C 11n40 CH134 Peak



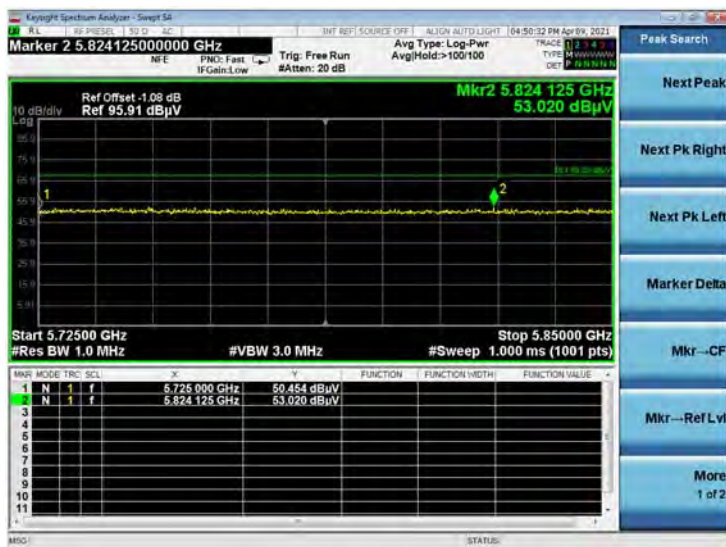
U-NII-2C 11ac20 CH100 Peak



U-NII-2C 11ac20 CH100 AV



U-NII-2C 11ac20 CH140 Peak



U-NII-2C 11ac40 CH102 AV



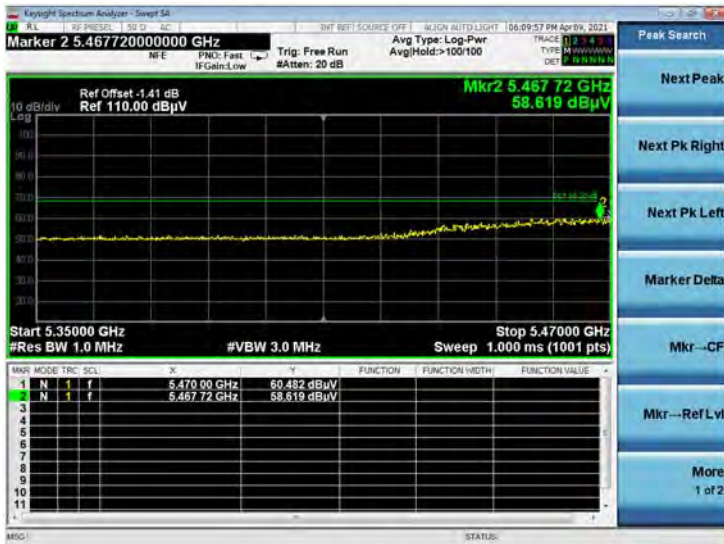
U-NII-2C 11ac40 CH102 Peak



U-NII-2C 11ac40 CH134 Peak



U-NII-2C 11ac80 CH106 AV



U-NII-3 11a CH149 Peak



U-NII-3 11a CH165 Peak



U-NII-3 11n20 CH149 Peak



U-NII-3 11n20 CH165 Peak



U-NII-3 11n40 CH151 Peak



U-NII-3 11n40 CH159 Peak



U-NII-3 11ac20 CH149 Peak



U-NII-3 11ac20 CH165 Peak



U-NII-3 11ac40 CH151 Peak



U-NII-3 11ac40 CH159 Peak



U-NII-3 11ac80 CH155 Peak



## **ANNEX B TEST SETUP PHOTOS**

Please refer the document "BL-EC2030004-AR.PDF".

## **ANNEX C EUT EXTERNAL PHOTOS**

Please refer the document "BL-EC2030004-AW.PDF".

## **ANNEX D EUT INTERNAL PHOTOS**

Please refer the document "BL-EC2030004-AI.PDF".

--END OF REPORT--