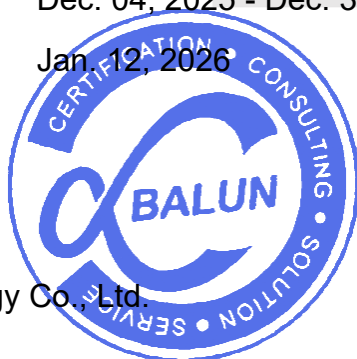


TEST REPORT

Applicant: TCL Communication Ltd.
Address: 5/F, Building 22E, 22 Science Park East Avenue,
Hong Kong Science Park, Shatin, NT, Hong Kong
Equipment Type: Tablet PC
Model Name: 9445X
Brand Name: TCL
FCC ID: 2ACCJB245
Test Standard: 47 CFR Part 15 Subpart E
(refer to section 3.1)
Sample Arrival Date: Nov. 26, 2025
Test Date: Dec. 04, 2025 - Dec. 31, 2025
Date of Issue: Jan. 12, 2026

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

**Tested by:** Julie zhu**Checked by:** Ye Hongji**Approved by:** Tolan Tu
(Technical Director)

Revision History

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

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1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shenzhen BALUN Technology Co., Ltd.
Contact Address	1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Phone Number	+86 755 6685 0100

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☐ Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	☒ 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	TCL Communication Ltd.
Address	5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science Park, Shatin, NT, Hong Kong

2.2 Manufacturer Information

Manufacturer	TCL Communication Ltd.
Address	5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science Park, Shatin, NT, Hong Kong

2.3 General Description for Equipment under Test (EUT)

EUT Name	Tablet PC
Model Name Under Test	9445X
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	05
Software Version	N/A
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

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

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

Frequency Range	U-NII-1: 5150 MHz to 5250 MHz, U-NII-2A: 5250 MHz to 5350 MHz, U-NII-2C: 5470 MHz to 5725 MHz, U-NII-3: 5725 MHz to 5850 MHz
Product Type	☐ Mobile ☒ Portable ☐ Fix Location
Modulation technology	OFDM
Modulation Type	256QAM, 64QAM, 16QAM, BPSK, QPSK
Transfer Rate (Mbps) (Single RF path)	802.11a: 54/ 48/ 36/ 24/ 18/ 12/ 9/ 6 Mbps 802.11n: up to 150 Mbps 802.11ac: up to VHT-MCS9
Channel Bandwidth	802.11a: 20 MHz 802.11n: 20 MHz, 40 MHz 802.11ac: 20 MHz, 40 MHz, 80 MHz
Maximum Output Power	U-NII-1: 69.66 mW U-NII-2A: 43.45 mW U-NII-2C: 47.32 mW U-NII-3: 40.46 mW
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	cavity Antenna
Antenna Gain	U-NII-1: 5150 MHz to 5250 MHz: 0.9 dBi U-NII-2A: 5250 MHz to 5350 MHz: 0.9 dBi U-NII-2C: 5470 MHz to 5725 MHz: 0.9 dBi U-NII-3: 5725 MHz to 5850 MHz: 0.9 dBi
About the Product	The equipment is Tablet PC, intended for used with information technology equipment.

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

2.5 Channel List

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

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

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

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

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

For 802.11n(HT40)/ac(VHT40)

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

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

For 802.11ac(VHT80)

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

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

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

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

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15 Subpart E	Unlicensed National Information Infrastructure Devices
2	KDB Publication 789033 D02v02r01	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
3	ANSI C63.10-2020	American National Standard for Procedures for Compliance Testing of Unlicensed Wireless Devices

3.2 Test Verdict

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

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

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

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

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

Relative Humidity	45% to 60%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+20.3℃ to +24.9℃
Working Voltage of the EUT	NV (Normal Voltage)	3.85V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	KEYSIGHT	N9020A	MY54420186	2025.05.21	2026.05.20
Power meter	R&S	NRP8S	101498	2025.07.07	2026.07.06
Spectrum Analyzer	R&S	FSV40	101544	2025.10.30	2026.10.29
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2024.06.15	2027.06.14
Test Antenna-Bi-Log	Schwarzbeck	VULB 9163	01414	2023.11.03	2026.11.02
Test Antenna-Horn	Schwarzbeck	BBHA 9120D	02459	2023.10.26	2026.10.25
Test Antenna-Loop	Schwarzbeck	FMZB 1513-60	00015	2024.05.07	2026.05.06
Anechoic Chamber	YIHENG	C8-966	N/A	2024.05.15	2027.05.11
EMI Receiver	Keysight	N9038A	MY55330121	2025.04.16	2026.04.15
Filtering unit	balun	SU319F	LW-SZ19D0001F01	N/A	N/A
Switching unit	BALUN	SU319	LW-SZ19D0001S01	N/A	N/A
EMI Receiver	keysight	N9038B	MY61380132	2025.04.01	2026.03.31
LISN	SCHWARZBECK MESS-ELEKTRONIK	NSLK8127	01009	2025.07.15	2026.07.14
Shielded Enclosure	YiHeng Electronic Co., Ltd	4.3m*2.9m*2.4 m	235	2024.11.05	2027.11.04

4.3 Test Software List

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

4.4 Measurement Uncertainty

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

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

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

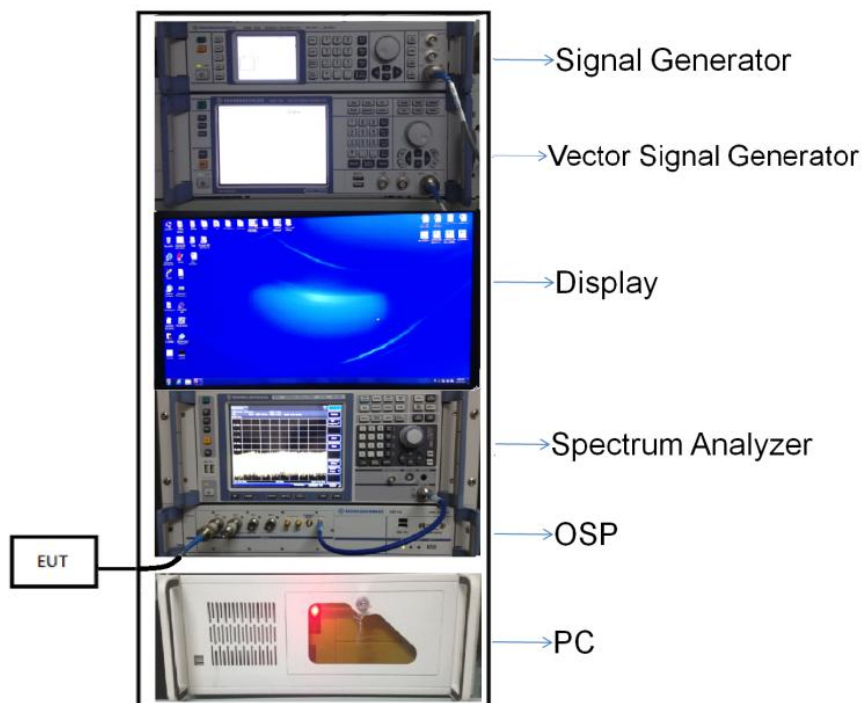
4.5 Description of Test Setup

4.5.1 For Antenna Port Test

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

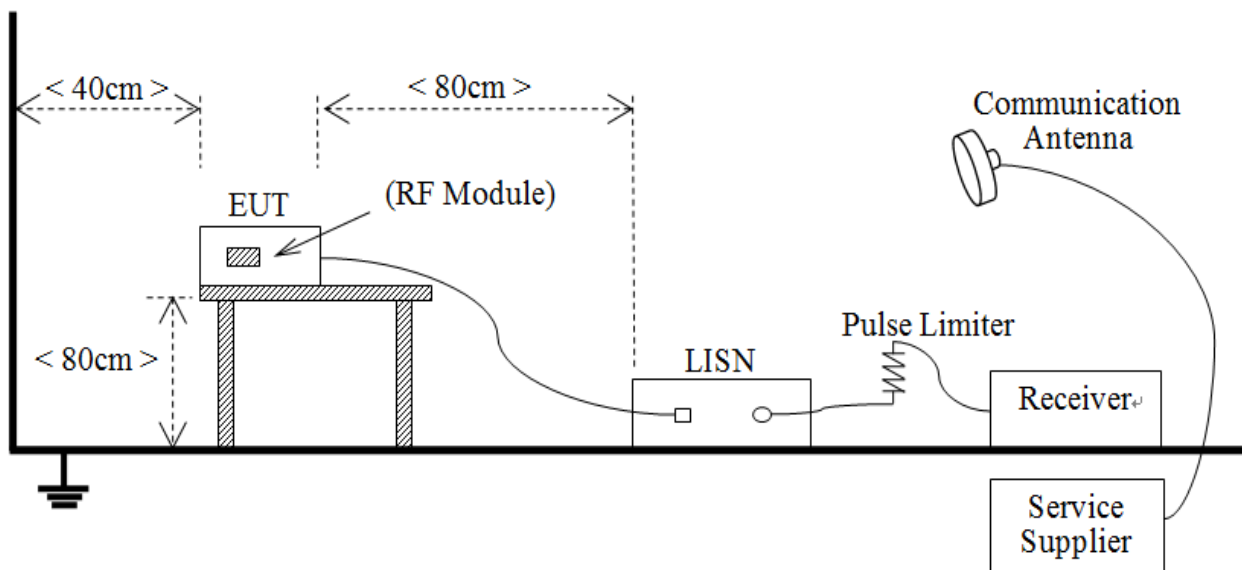
For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

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



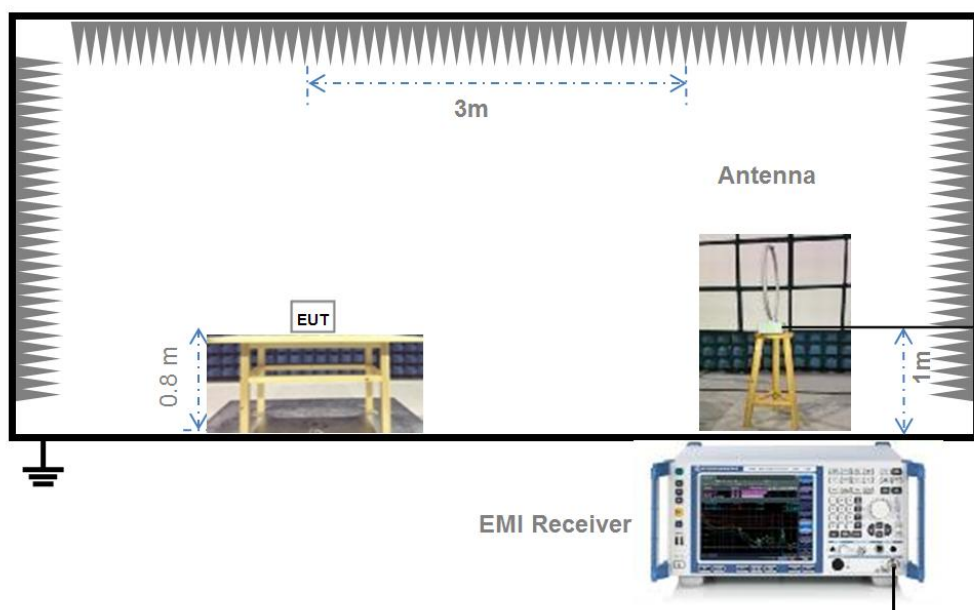
(Diagram 1)

4.5.2 For AC Power Supply Port Test



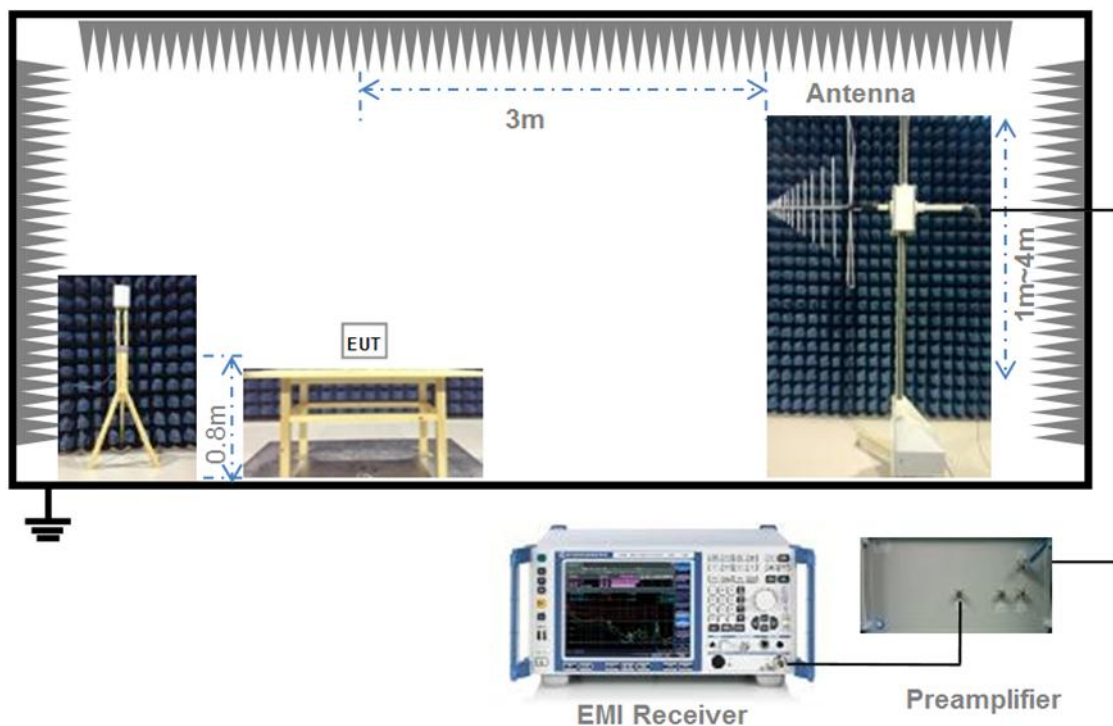
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



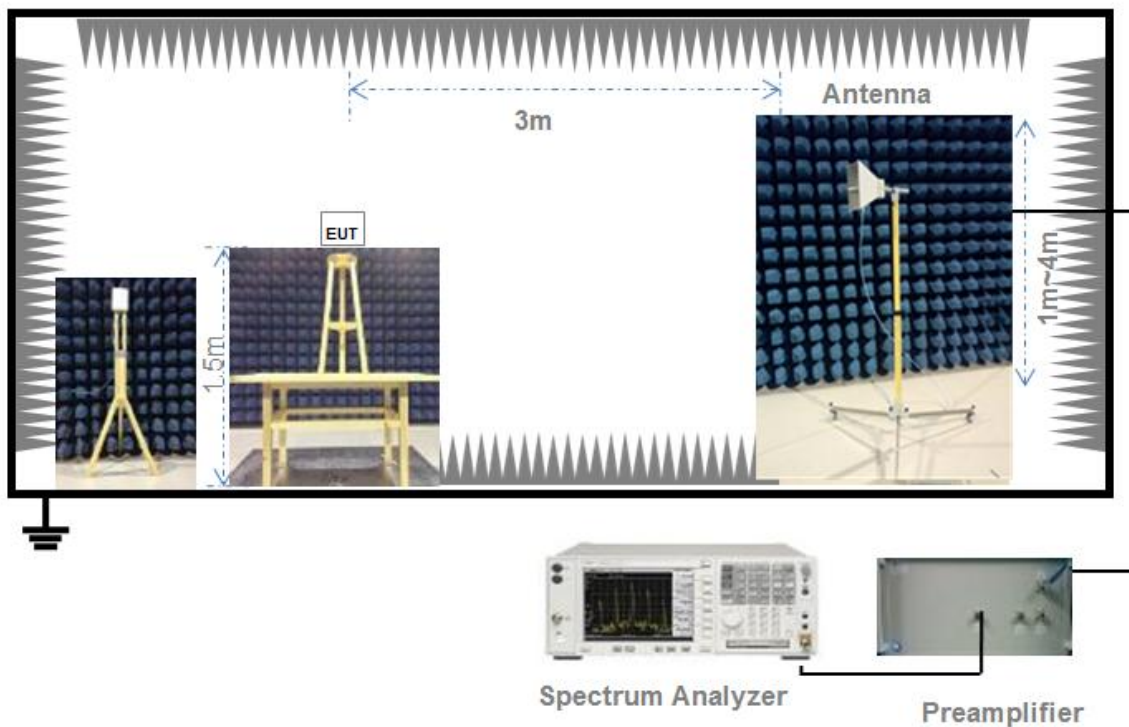
(Diagram 3)

4.5.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.5.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

5 TEST ITEMS

5.1 RF Output Power

5.1.1 Test Limit

FCC §15.407(a)

The maximum conducted output power should not exceed:

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

RSS-247, 7.3

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
Note1: Where “B” is the 99% emissions bandwidth in MHz.	
Note2: EIRP= maximum conducted output power+ Antenna Gain.	

5.1.2 Test Setup

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

5.1.3 Test Procedure

Maximum conducted (average) output power

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

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

at least a factor of five.

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

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

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

Measurements of duty cycle

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

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

Set $RBW \geq OBW$ if possible; otherwise, set RBW to the largest available value.

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

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

The E.I.R.P used radiated test method. At a test site that has been validated using the procedures of ANSI C63.10 or the latest CISPR 16-1-4 for measurements above 1 GHz, so as to simulate a near free-space environment.

5.1.4 Test Result

Please refer to ANNEX A.1.

5.2 Emission Bandwidth and 6 dB Bandwidth

5.2.1 Limit

FCC §15.407(a), RSS-247, 7.3

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

5.2.2 Test Setup

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

5.2.3 Test Procedure

Emission bandwidth

1. Set RBW = approximately 1% of the emission bandwidth.
2. Set VBW $\geq 3 \times$ 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, 7.3

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
e.i.r.p. spectral density= maximum power spectral density+ Antenna Gain.	

5.3.2 Test Setup

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

5.3.3 Test Procedure

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

1. Set RBW = 510 kHz/1 MHz, VBW $\geq 3 \times$ RBW, Sweep time = Auto, Detector = RMS.
2. Allow the sweeps to continue until the trace stabilizes.
3. Use the peak marker function to determine the maximum amplitude level.
4. The E.I.R.P spectral density used radiated test method. At a test site that has been validated using the procedures of ANSI C63.10 or the latest CISPR 16-1-4 for measurements above 1 GHz, so as to simulate a near free-space environment.

5.3.4 Test Result

Please refer to ANNEX A.4.

5.4 Conducted Emission

5.4.1 Limit

FCC §15.207, RSS-GEN, 8.8

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

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

5.4.2 Test Setup

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

5.4.3 Test Procedure

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

5.4.4 Test Result

Please refer to ANNEX A.5.

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

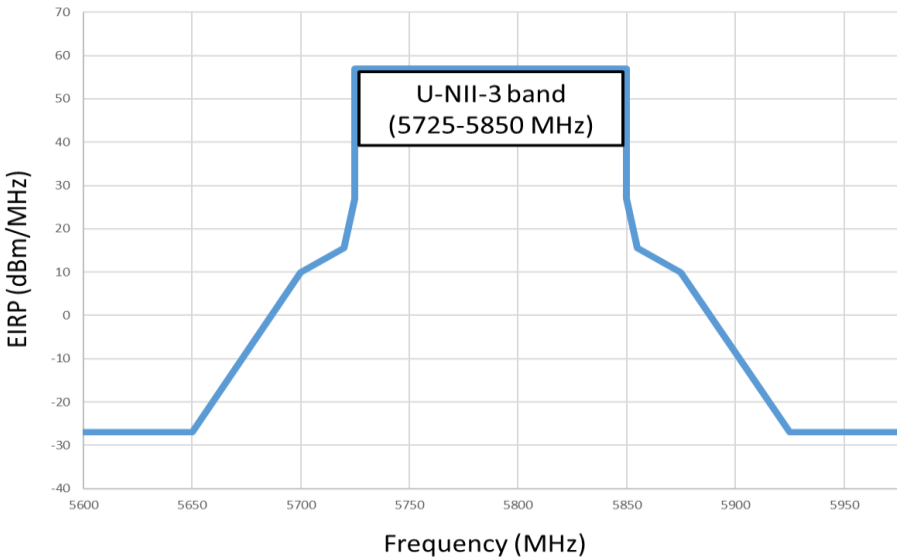
5.5.1 Limit

FCC §15.209 & 15.407(b), RSS-247, 7.3

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

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

Note²: The tighter limit applies at the band edge.

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

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

5.5.2 Test Setup

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

5.5.3 Test Procedure

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 appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies ≤ 30 MHz, 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive and 0 dB for frequencies > 1000 MHz).
- c) 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).
- d) Convert the resultant EIRP level to an equivalent electric field strength using the following relationship:

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

where:

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

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

- e) Compare the resultant electric field strength level to the applicable limit.
- f) Perform radiated spurious emission test.

Quasi-Peak measurement procedure

The specifications for measurements using the CISPR quasi-peak detector can be found in Publication 16 of the International Special Committee on Radio Frequency Interference (CISPR) of the International Electrotechnical Commission.

As an alternative to CISPR quasi-peak measurement, compliance can be demonstrated to the applicable

emission limits using a peak detector.

Peak power measurement procedure

Peak emission levels are measured by setting the instrument as follows:

- a) RBW = as specified in Table 1.
- b) VBW $\geq 3 \times$ RBW.
- c) Detector = Peak.
- d) Sweep time = auto.
- e) Trace mode = max hold.
- f) Allow sweeps to continue until the trace stabilizes. (Note that the required measurement time may be longer for low duty cycle applications).

Table 1—RBW as a function of frequency

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

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

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

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

- a) The EUT shall be configured to operate at the maximum achievable duty cycle.
- b) Measure the duty cycle, x , of the transmitter output signal as described in section 6.0.
- c) RBW = 1 MHz (unless otherwise specified).
- d) VBW $\geq 3 \times$ RBW.
- e) Detector = RMS, if $\text{span}/(\# \text{ of points in sweep}) \leq (\text{RBW}/2)$. Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak.
- f) Averaging type = power (i.e., RMS).
 - 1) As an alternative, the detector and averaging type may be set for linear voltage averaging.
 - 2) Some instruments require linear display mode in order to use linear voltage averaging. Log or dB averaging shall not be used.
- g) Sweep time = auto.

h) Perform a trace average of at least 100 traces.

i) A correction factor shall be added to the measurement results prior to comparing to the emission limit in order to compute the emission level that would have been measured had the test been performed at 100 percent duty cycle. The correction factor is computed as follows:

1) If power averaging (RMS) mode was used in step f), then the applicable correction factor is $10 \log(1/x)$, where x is the duty cycle.

2) If linear voltage averaging mode was used in step f), then the applicable correction factor is $20 \log(1/x)$, where x is the duty cycle.

3) If a specific emission is demonstrated to be continuous (≥ 98 percent duty cycle) rather than turning on and off with the transmit cycle, then no duty cycle correction is required for that emission.

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

Determining the applicable transmit antenna gain

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

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

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

Radiated spurious emission test

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

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

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

The power of the EUT transmitting frequency should be ignored.

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

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

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

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

5.5.4 Test Result

Please refer to ANNEX A.6.

ANNEX A TEST RESULT

A.1 RF Output Power

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

Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle	Duty Factor
11a	2.20	2.24	98.30%	0.07
11n(HT20)/11ac(VHT20)	2.05	2.08	98.27%	0.08
11n(HT40)/11ac(VHT40)	1.00	1.04	96.63%	0.15
11ac(VHT80)	0.49	0.52	93.03%	0.31

Test DataConducted Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	16.97	49.77	250	Pass
11a	CH44	18.43	69.66	250	Pass
11a	CH48	17.35	54.33	250	Pass
11n(HT20)	CH36	14.74	29.79	250	Pass
11n(HT20)	CH44	15.67	36.90	250	Pass
11n(HT20)	CH48	15.14	32.66	250	Pass
11n(HT40)	CH38	11.94	15.63	250	Pass
11n(HT40)	CH46	15.74	37.50	250	Pass
11ac(VHT20)	CH36	12.78	18.97	250	Pass
11ac(VHT20)	CH44	13.54	22.59	250	Pass
11ac(VHT20)	CH48	13.47	22.23	250	Pass
11ac(VHT40)	CH38	12.81	19.10	250	Pass
11ac(VHT40)	CH46	14.27	26.73	250	Pass
11ac(VHT80)	CH42	10.44	11.07	250	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH52	15.05	31.99	241	Pass
11a	CH60	14.27	26.73	250	Pass
11a	CH64	15.35	34.28	250	Pass
11n(HT20)	CH52	15.76	37.67	224	Pass
11n(HT20)	CH60	15.97	39.54	224	Pass
11n(HT20)	CH64	16.19	41.59	224	Pass
11n(HT40)	CH54	16.04	40.18	250	Pass
11n(HT40)	CH62	16.38	43.45	250	Pass
11ac(VHT20)	CH52	14.18	26.18	224	Pass
11ac(VHT20)	CH60	14.39	27.48	223	Pass
11ac(VHT20)	CH64	14.63	29.04	224	Pass
11ac(VHT40)	CH54	14.52	28.31	250	Pass
11ac(VHT40)	CH62	14.85	30.55	250	Pass
11ac(VHT80)	CH58	14.42	27.67	250	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH100	16.49	44.57	210	Pass
11a	CH116	16.58	45.50	209	Pass
11a	CH140	16.75	47.32	209	Pass
11n(HT20)	CH100	14.19	26.24	223	Pass
11n(HT20)	CH116	14.90	30.90	223	Pass
11n(HT20)	CH140	15.40	34.67	223	Pass
11n(HT40)	CH102	14.54	28.44	250	Pass
11n(HT40)	CH118	15.46	35.16	250	Pass
11n(HT40)	CH134	15.82	38.19	250	Pass
11ac(VHT20)	CH100	12.81	19.10	223	Pass
11ac(VHT20)	CH116	13.16	20.70	223	Pass
11ac(VHT20)	CH140	13.61	22.96	223	Pass
11ac(VHT40)	CH102	13.22	20.99	250	Pass
11ac(VHT40)	CH118	13.51	22.44	250	Pass
11ac(VHT40)	CH134	14.02	25.23	250	Pass
11ac(VHT80)	CH106	13.17	20.75	250	Pass
11ac(VHT80)	CH122	13.27	21.23	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	15.64	36.64	1000	Pass
11a	CH157	15.79	37.93	1000	Pass
11a	CH165	16.07	40.46	1000	Pass
11n(HT20)	CH149	15.67	36.90	1000	Pass
11n(HT20)	CH157	15.65	36.73	1000	Pass
11n(HT20)	CH165	15.93	39.17	1000	Pass
11n(HT40)	CH151	15.84	38.37	1000	Pass
11n(HT40)	CH159	15.67	36.90	1000	Pass
11ac(VHT20)	CH149	13.95	24.83	1000	Pass
11ac(VHT20)	CH157	13.90	24.55	1000	Pass
11ac(VHT20)	CH165	14.81	30.27	1000	Pass
11ac(VHT40)	CH151	14.13	25.88	1000	Pass
11ac(VHT40)	CH159	14.07	25.53	1000	Pass
11ac(VHT80)	CH155	14.03	25.29	1000	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note ¹: Test plots please refer to the document “Annex No.: BL-SZ25B1396-604 Data Part 1.pdf”.

Test Data

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	26.23	16.72
11a	CH44	24.78	16.76
11a	CH48	26.30	16.82
11n(HT20)	CH36	23.92	17.77
11n(HT20)	CH44	25.02	17.78
11n(HT20)	CH48	24.06	17.77
11n(HT40)	CH38	41.18	36.22
11n(HT40)	CH46	41.13	36.24
11ac(VHT20)	CH36	23.25	17.78
11ac(VHT20)	CH44	23.26	17.75
11ac(VHT20)	CH48	23.09	17.76
11ac(VHT40)	CH38	41.43	36.21
11ac(VHT40)	CH46	44.10	36.21
11ac(VHT80)	CH42	88.89	75.74

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	23.31	16.63
11a	CH60	22.98	16.63
11a	CH64	22.88	16.62
11n(HT20)	CH52	23.39	17.79
11n(HT20)	CH60	23.56	17.76
11n(HT20)	CH64	23.82	17.78
11n(HT40)	CH54	44.29	36.28
11n(HT40)	CH62	49.80	36.33
11ac(VHT20)	CH52	23.53	17.77
11ac(VHT20)	CH60	22.97	17.78
11ac(VHT20)	CH64	23.19	17.76
11ac(VHT40)	CH54	41.22	36.23
11ac(VHT40)	CH62	41.43	36.24
11ac(VHT80)	CH58	86.97	75.91

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	22.44	16.63
11a	CH116	22.24	16.60
11a	CH140	21.85	16.57
11n(HT20)	CH100	23.11	17.76
11n(HT20)	CH116	23.45	17.74
11n(HT20)	CH140	22.87	17.71
11n(HT40)	CH102	41.66	36.23
11n(HT40)	CH118	41.60	36.24
11n(HT40)	CH134	41.66	36.23
11ac(VHT20)	CH100	23.16	17.72
11ac(VHT20)	CH116	22.81	17.74
11ac(VHT20)	CH140	23.22	17.73
11ac(VHT40)	CH102	41.34	36.21
11ac(VHT40)	CH118	41.61	36.19
11ac(VHT40)	CH134	41.57	36.21
11ac(VHT80)	CH106	87.16	75.72
11ac(VHT80)	CH122	86.76	75.73

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	22.03	16.54
11a	CH157	22.19	16.56
11a	CH165	21.87	16.56
11n(HT20)	CH149	23.37	17.70
11n(HT20)	CH157	22.61	17.73
11n(HT20)	CH165	22.15	17.72
11n(HT40)	CH151	41.67	36.18
11n(HT40)	CH159	41.28	36.16
11ac(VHT20)	CH149	23.22	17.74
11ac(VHT20)	CH157	23.29	17.76
11ac(VHT20)	CH165	22.54	17.72
11ac(VHT40)	CH151	41.13	36.21
11ac(VHT40)	CH159	41.29	36.23
11ac(VHT80)	CH155	86.50	75.73

A.3 6 dB Bandwidth

Note ¹: Test plots please refer to the document “Annex No.: BL-SZ25B1396-604 Data Part 2.pdf”.

Test Data

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	16.50	500.00	Pass
11a	CH157	15.70	500.00	Pass
11a	CH165	15.30	500.00	Pass
11n(HT20)	CH149	15.80	500.00	Pass
11n(HT20)	CH157	15.60	500.00	Pass
11n(HT20)	CH165	15.20	500.00	Pass
11n(HT40)	CH151	36.20	500.00	Pass
11n(HT40)	CH159	36.20	500.00	Pass
11ac(VHT20)	CH149	15.20	500.00	Pass
11ac(VHT20)	CH157	16.50	500.00	Pass
11ac(VHT20)	CH165	17.40	500.00	Pass
11ac(VHT40)	CH151	35.50	500.00	Pass
11ac(VHT40)	CH159	35.30	500.00	Pass
11ac(VHT80)	CH155	75.30	500.00	Pass

A.4 Power Spectral Density

Note ¹: Test plots please refer to the document “Annex No.: BL-SZ25B1396-604 Data Part 3.pdf”.

Test Data

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH36	5.96	11.00	Pass
11a	CH44	7.37	11.00	Pass
11a	CH48	6.52	11.00	Pass
11n(HT20)	CH36	3.61	11.00	Pass
11n(HT20)	CH44	4.63	11.00	Pass
11n(HT20)	CH48	3.94	11.00	Pass
11n(HT40)	CH38	-2.39	11.00	Pass
11n(HT40)	CH46	1.55	11.00	Pass
11ac(VHT20)	CH36	1.61	11.00	Pass
11ac(VHT20)	CH44	2.46	11.00	Pass
11ac(VHT20)	CH48	2.36	11.00	Pass
11ac(VHT40)	CH38	-1.34	11.00	Pass
11ac(VHT40)	CH46	0.22	11.00	Pass
11ac(VHT80)	CH42	-7.22	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH52	7.25	11.00	Pass
11a	CH60	7.14	11.00	Pass
11a	CH64	7.44	11.00	Pass
11n(HT20)	CH52	4.38	11.00	Pass
11n(HT20)	CH60	4.33	11.00	Pass
11n(HT20)	CH64	4.56	11.00	Pass
11n(HT40)	CH54	1.58	11.00	Pass
11n(HT40)	CH62	1.76	11.00	Pass
11ac(VHT20)	CH52	2.87	11.00	Pass
11ac(VHT20)	CH60	2.78	11.00	Pass
11ac(VHT20)	CH64	3.09	11.00	Pass
11ac(VHT40)	CH54	0.13	11.00	Pass
11ac(VHT40)	CH62	0.22	11.00	Pass
11ac(VHT80)	CH58	-3.16	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH100	5.81	11.00	Pass
11a	CH116	5.54	11.00	Pass
11a	CH140	5.70	11.00	Pass
11n(HT20)	CH100	3.21	11.00	Pass
11n(HT20)	CH116	3.54	11.00	Pass
11n(HT20)	CH140	4.10	11.00	Pass
11n(HT40)	CH102	0.54	11.00	Pass
11n(HT40)	CH118	1.09	11.00	Pass
11n(HT40)	CH134	1.71	11.00	Pass
11ac(VHT20)	CH100	1.81	11.00	Pass
11ac(VHT20)	CH116	1.80	11.00	Pass
11ac(VHT20)	CH140	2.32	11.00	Pass
11ac(VHT40)	CH102	-0.84	11.00	Pass
11ac(VHT40)	CH118	-0.80	11.00	Pass
11ac(VHT40)	CH134	-0.09	11.00	Pass
11ac(VHT80)	CH106	-4.11	11.00	Pass
11ac(VHT80)	CH122	-4.15	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	FCC Limit (dBm/500kHz)	Verdict
11a	CH149	3.03	30.00	Pass
11a	CH157	3.07	30.00	Pass
11a	CH165	3.85	30.00	Pass
11n(HT20)	CH149	1.57	30.00	Pass
11n(HT20)	CH157	1.53	30.00	Pass
11n(HT20)	CH165	2.28	30.00	Pass
11n(HT40)	CH151	-1.44	30.00	Pass
11n(HT40)	CH159	-1.42	30.00	Pass
11ac(VHT20)	CH149	-0.48	30.00	Pass
11ac(VHT20)	CH157	-0.25	30.00	Pass
11ac(VHT20)	CH165	0.56	30.00	Pass
11ac(VHT40)	CH151	-3.31	30.00	Pass
11ac(VHT40)	CH159	-3.15	30.00	Pass
11ac(VHT80)	CH155	-6.48	30.00	Pass

A.5 Conducted Emissions

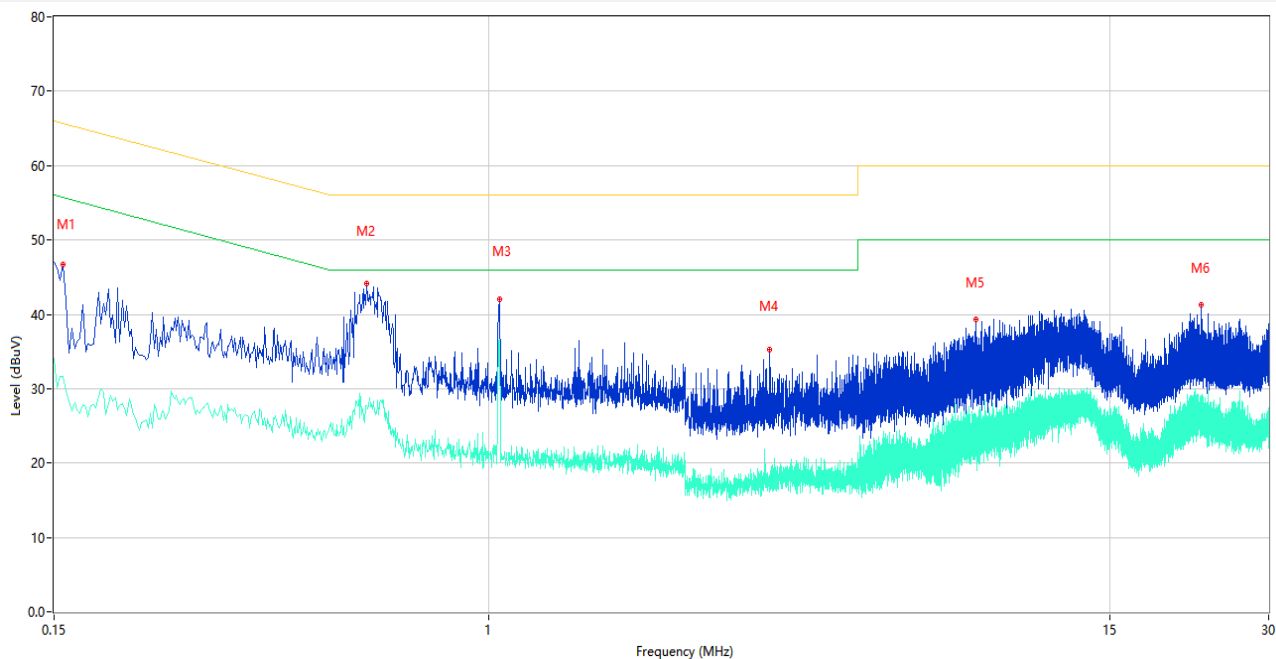
Note ¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

Note ²: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

Note ³: Results (dBuV) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

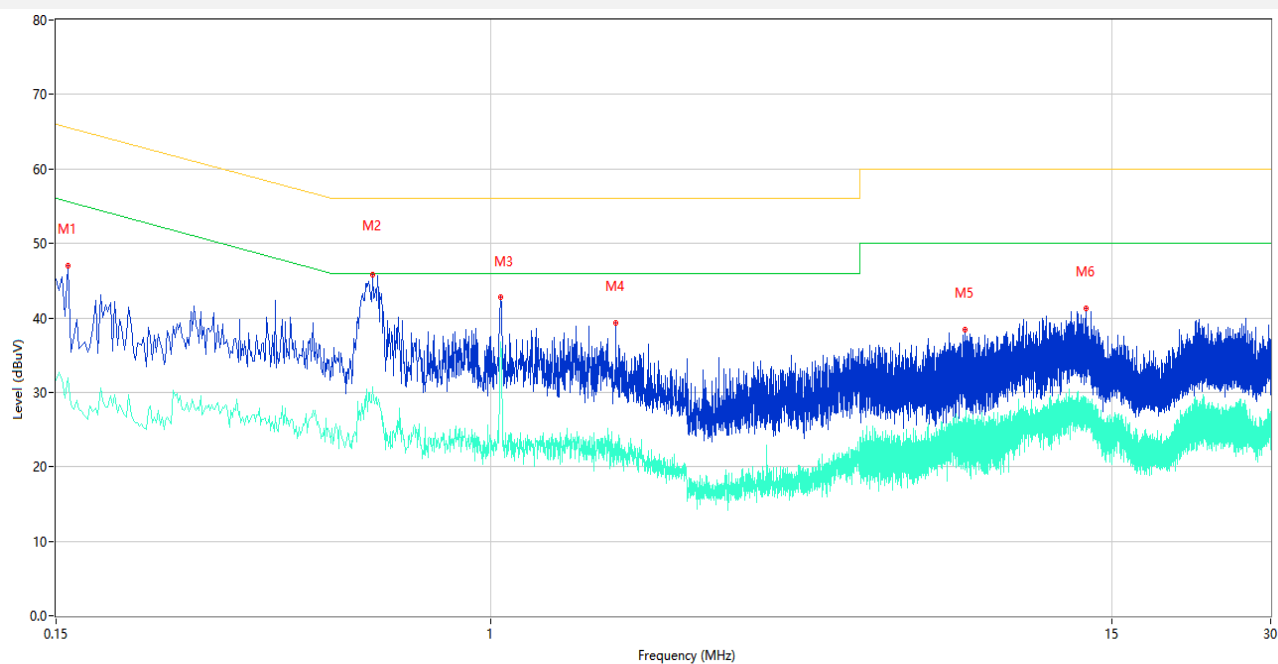
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.156	46.64	10.30	65.67	19.03	Peak	L	Pass
1**	0.156	31.56	10.30	55.67	24.11	AV	L	Pass
2	0.586	44.14	10.29	56.00	11.86	Peak	L	Pass
2**	0.586	27.69	10.29	46.00	18.31	AV	L	Pass
3	1.046	42.00	10.33	56.00	14.00	Peak	L	Pass
3**	1.046	36.58	10.33	46.00	9.42	AV	L	Pass
4	3.400	35.31	10.62	56.00	20.69	Peak	L	Pass
4**	3.400	18.26	10.62	46.00	27.74	AV	L	Pass
5	8.376	39.27	11.52	60.00	20.73	Peak	L	Pass
5**	8.376	25.90	11.52	50.00	24.10	AV	L	Pass
6	22.392	41.23	14.91	60.00	18.77	Peak	L	Pass
6**	22.392	27.75	14.91	50.00	22.25	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.158	46.98	10.21	65.57	18.59	Peak	N	Pass
1**	0.158	31.88	10.21	55.57	23.69	AV	N	Pass
2	0.598	45.83	10.20	56.00	10.17	Peak	N	Pass
2**	0.598	30.11	10.20	46.00	15.89	AV	N	Pass
3	1.044	42.84	10.24	56.00	13.16	Peak	N	Pass
3**	1.044	36.76	10.24	46.00	9.24	AV	N	Pass
4	1.724	39.27	10.32	56.00	16.73	Peak	N	Pass
4**	1.724	23.38	10.32	46.00	22.62	AV	N	Pass
5	7.892	38.40	11.32	60.00	21.60	Peak	N	Pass
5**	7.892	25.78	11.32	50.00	24.22	AV	N	Pass
6	13.408	41.32	12.65	60.00	18.68	Peak	N	Pass
6**	13.408	27.58	12.65	50.00	22.42	AV	N	Pass

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

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

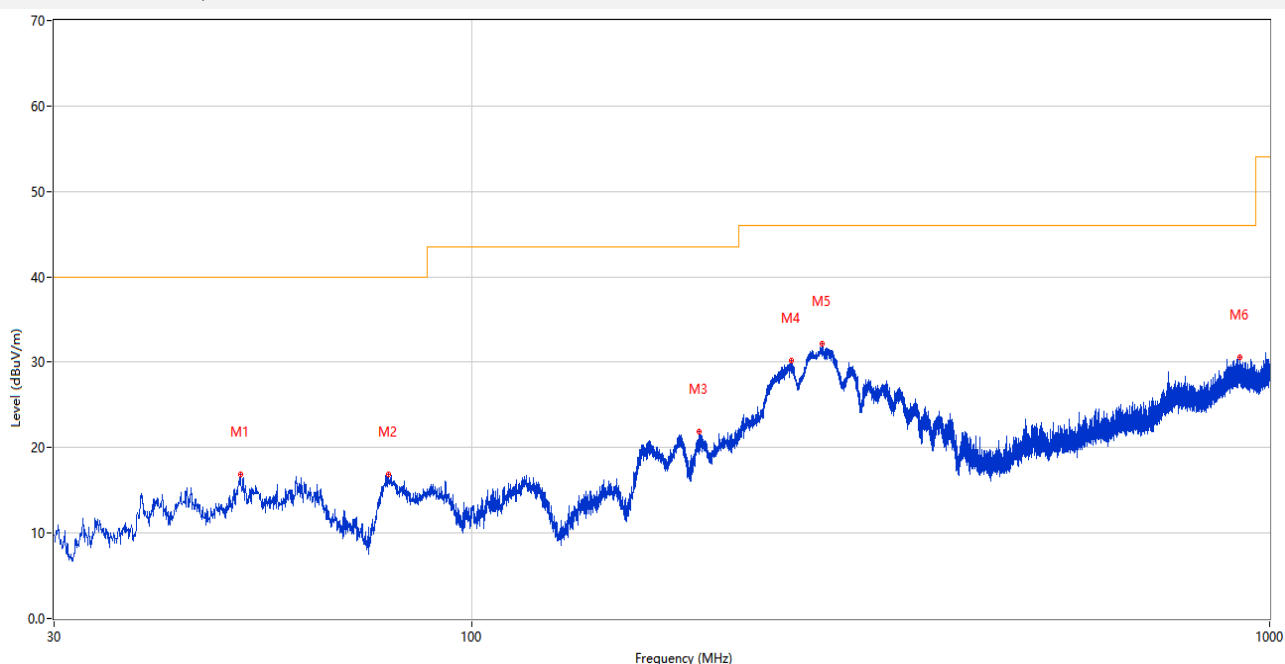
Note²: For the test data above 1 GHz, According the ANSI C63.10, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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

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

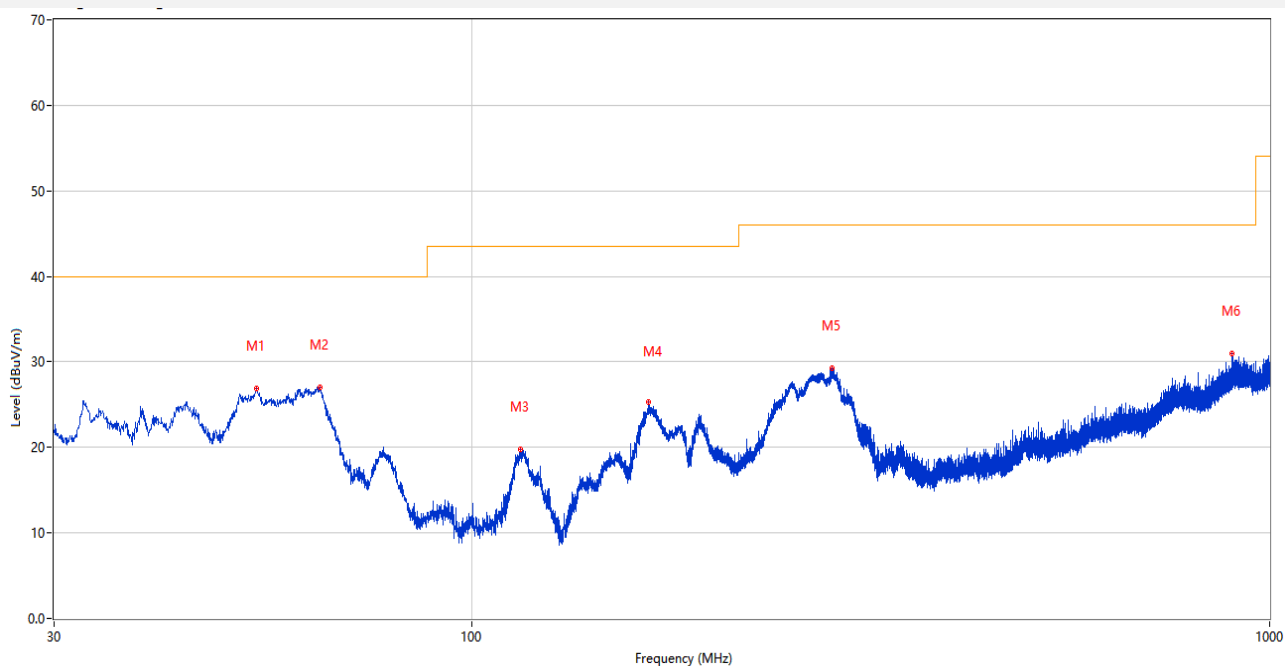
Test Data and Plots

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	51.340	16.84	-24.19	40.0	23.16	Peak	299.00	200	Horizontal	Pass
2	78.743	16.86	-31.60	40.0	23.14	Peak	290.00	200	Horizontal	Pass
3	193.106	21.93	-25.71	43.5	21.57	Peak	192.00	100	Horizontal	Pass
4	251.790	30.15	-24.05	46.0	15.85	Peak	197.00	100	Horizontal	Pass
5	275.119	32.11	-24.15	46.0	13.89	Peak	199.00	100	Horizontal	Pass
6	918.714	30.61	-8.63	46.0	15.39	Peak	100.00	200	Horizontal	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	53.862	26.92	-25.13	40.0	13.08	Peak	83.00	100	Vertical	Pass
2	64.532	27.01	-26.70	40.0	12.99	Peak	72.00	100	Vertical	Pass
3	115.069	19.79	-27.41	43.5	23.71	Peak	290.00	100	Vertical	Pass
4	166.624	25.29	-28.54	43.5	18.21	Peak	300.00	100	Vertical	Pass
5	282.782	29.25	-23.67	46.0	16.75	Peak	257.00	100	Vertical	Pass
6	898.198	30.96	-8.86	46.0	15.04	Peak	96.00	200	Vertical	Pass

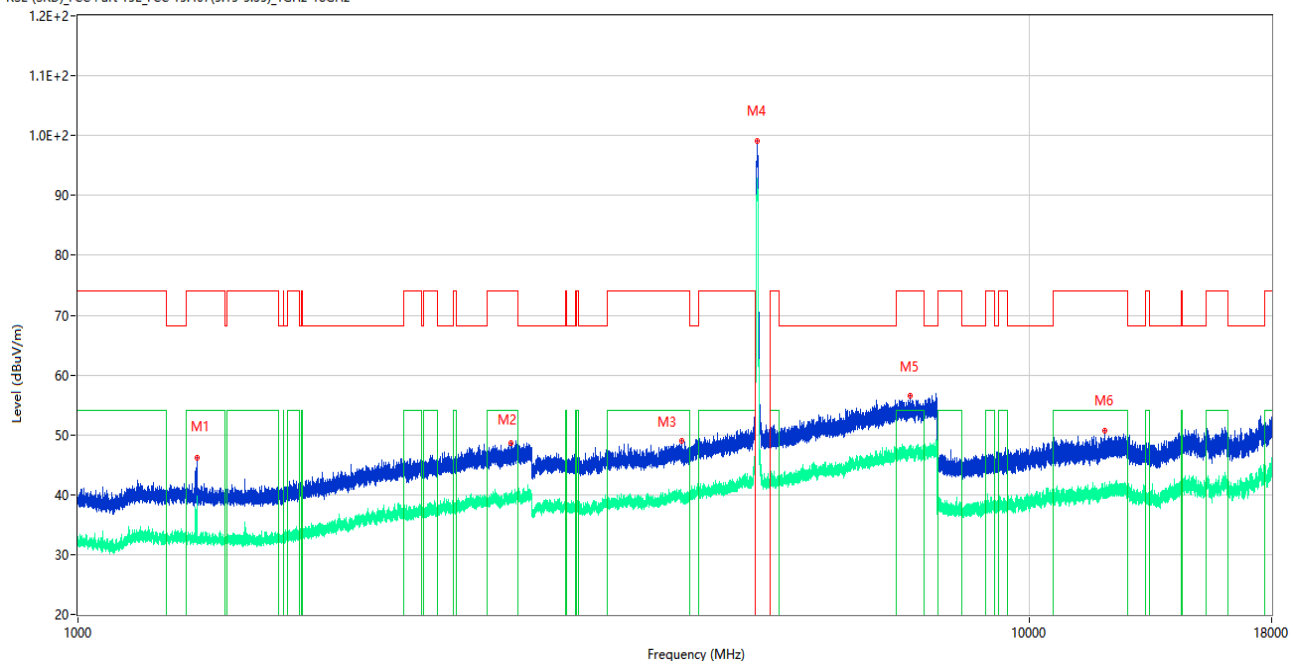
Note¹: The spurious 18G~40G is noise only, do not show on the report.

Note²: All the configurations were pre tested, only the worst configuration has been reported in this report.

Note³: All antenna were pre tested, but only the worst case has been reported in this report.

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

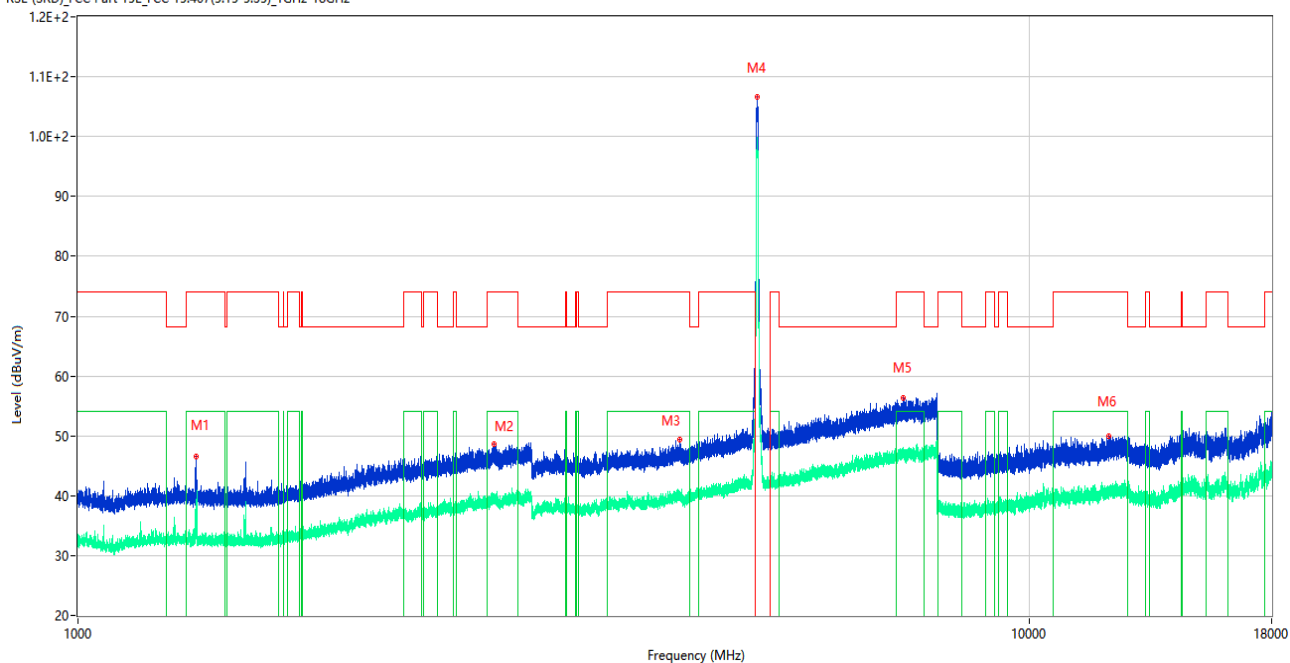
RSE (SRD)_FCC Part 15E_FCC 15.407(5,15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.900	46.11	-14.53	74.0	27.89	Peak	2.00	100	Horizontal	Pass
1**	1332.900	35.58	-14.53	54.0	18.42	AV	2.00	100	Horizontal	Pass
2	2849.900	48.58	-6.71	74.0	25.42	Peak	83.00	100	Horizontal	Pass
2**	2849.900	39.39	-6.71	54.0	14.61	AV	83.00	100	Horizontal	Pass
3	4317.500	48.92	-4.76	74.0	25.08	Peak	359.00	100	Horizontal	Pass
3**	4317.500	39.08	-4.76	54.0	14.92	AV	359.00	100	Horizontal	Pass
4	5177.500	99.16	-3.17	--	--	Peak	119.00	100	Horizontal	N/A
4**	5177.500	91.84	-3.17	--	--	AV	119.00	100	Horizontal	N/A
5	7502.500	56.45	2.07	74.0	17.55	Peak	354.00	150	Horizontal	Pass
5**	7502.500	47.09	2.07	54.0	6.91	AV	354.00	150	Horizontal	Pass
6	12011.375	50.74	3.07	74.0	23.26	Peak	4.00	400	Horizontal	Pass
6**	12011.375	40.04	3.07	54.0	13.96	AV	4.00	400	Horizontal	Pass

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

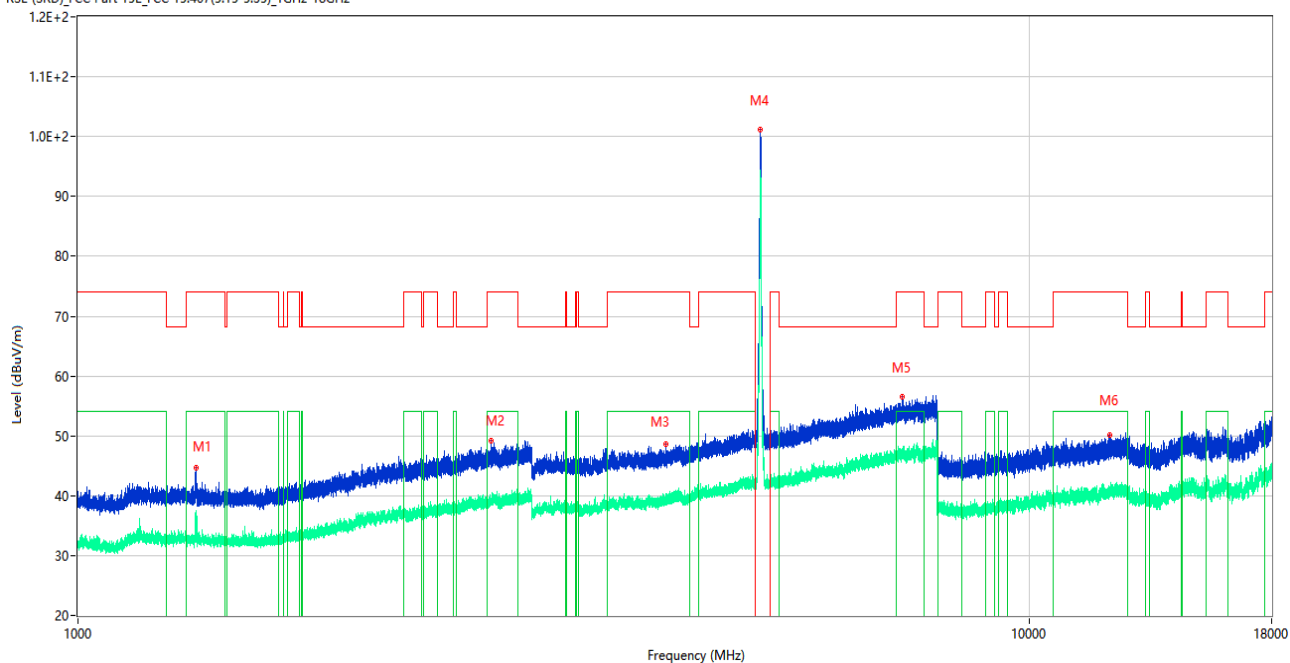
RSE (SRD)_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.400	46.55	-14.49	74.0	27.45	Peak	152.00	300	Vertical	Pass
1**	1331.400	37.76	-14.49	54.0	16.24	AV	152.00	300	Vertical	Pass
2	2736.800	48.64	-6.32	74.0	25.36	Peak	85.00	200	Vertical	Pass
2**	2736.800	39.11	-6.32	54.0	14.89	AV	85.00	200	Vertical	Pass
3	4296.500	49.35	-4.73	74.0	24.65	Peak	107.00	150	Vertical	Pass
3**	4296.500	39.80	-4.73	54.0	14.20	AV	107.00	150	Vertical	Pass
4	5182.000	106.59	-3.19	--	--	Peak	67.00	400	Vertical	N/A
4**	5182.000	97.75	-3.19	--	--	AV	67.00	400	Vertical	N/A
5	7381.000	56.40	1.58	74.0	17.60	Peak	358.00	150	Vertical	Pass
5**	7381.000	47.13	1.58	54.0	6.87	AV	358.00	150	Vertical	Pass
6	12121.099	49.93	3.85	74.0	24.07	Peak	346.00	300	Vertical	Pass
6**	12121.099	40.36	3.85	54.0	13.64	AV	346.00	300	Vertical	Pass

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

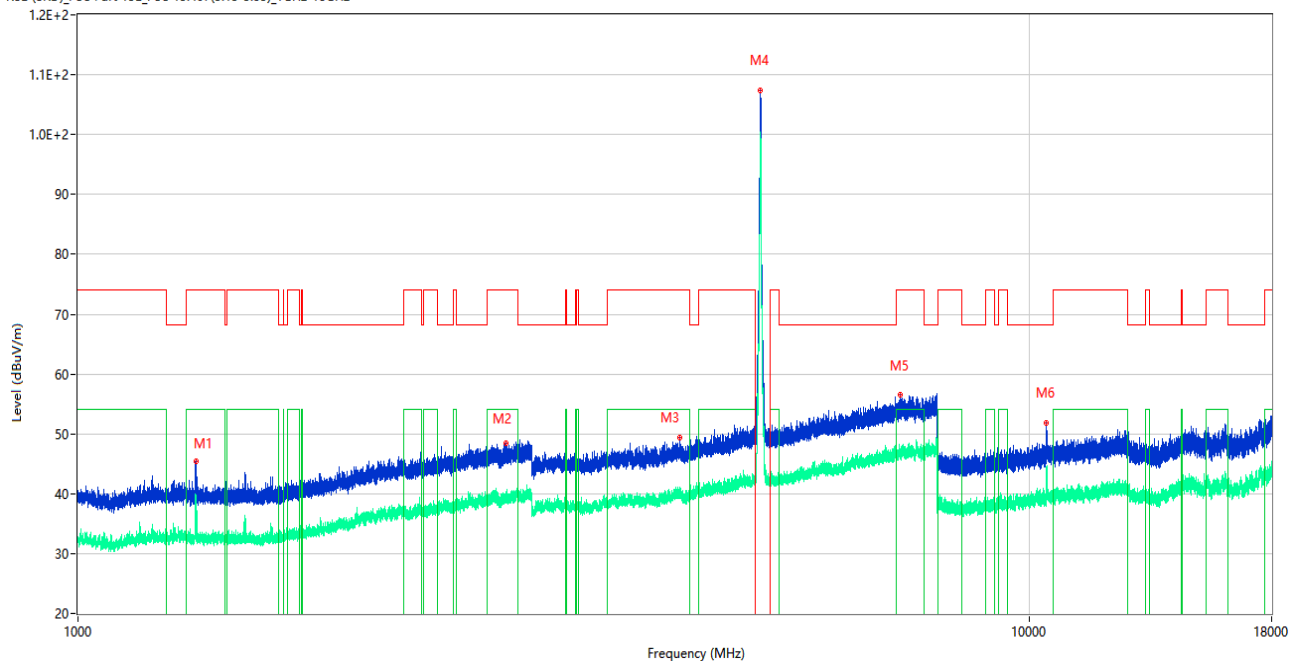
RSE (SRD)_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.300	44.64	-14.52	74.0	29.36	Peak	359.00	400	Horizontal	Pass
1**	1332.300	35.90	-14.52	54.0	18.10	AV	359.00	400	Horizontal	Pass
2	2721.000	49.16	-6.66	74.0	24.84	Peak	120.00	300	Horizontal	Pass
2**	2721.000	38.78	-6.66	54.0	15.22	AV	120.00	300	Horizontal	Pass
3	4150.250	48.69	-4.79	74.0	25.31	Peak	173.00	150	Horizontal	Pass
3**	4150.250	39.64	-4.79	54.0	14.36	AV	173.00	150	Horizontal	Pass
4	5218.750	101.12	-3.25	--	--	Peak	120.00	100	Horizontal	N/A
4**	5218.750	92.48	-3.25	--	--	AV	120.00	100	Horizontal	N/A
5	7353.000	56.45	1.65	74.0	17.55	Peak	329.00	100	Horizontal	Pass
5**	7353.000	47.00	1.65	54.0	7.00	AV	329.00	100	Horizontal	Pass
6	12161.475	50.17	3.87	74.0	23.83	Peak	66.00	300	Horizontal	Pass
6**	12161.475	41.18	3.87	54.0	12.82	AV	66.00	300	Horizontal	Pass

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

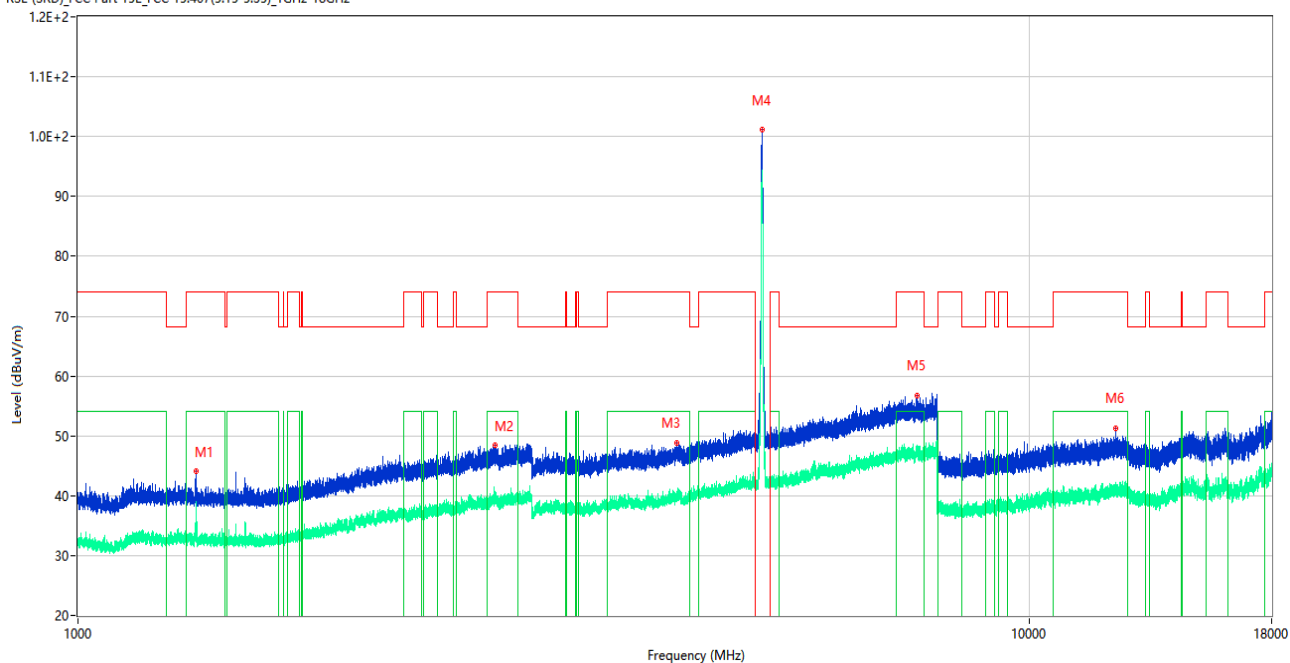
RSE (SRD)_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.200	45.44	-14.44	74.0	28.56	Peak	151.00	100	Vertical	Pass
1**	1330.200	35.25	-14.44	54.0	18.75	AV	151.00	100	Vertical	Pass
2	2816.200	48.53	-6.62	74.0	25.47	Peak	360.00	100	Vertical	Pass
2**	2816.200	38.69	-6.62	54.0	15.31	AV	360.00	100	Vertical	Pass
3	4298.750	49.32	-4.70	74.0	24.68	Peak	274.00	200	Vertical	Pass
3**	4298.750	39.70	-4.70	54.0	14.30	AV	274.00	200	Vertical	Pass
4	5222.750	107.47	-3.04	--	--	Peak	55.00	300	Vertical	N/A
4**	5222.750	99.62	-3.04	--	--	AV	55.00	300	Vertical	N/A
5	7322.750	56.52	1.49	74.0	17.48	Peak	3.00	200	Vertical	Pass
5**	7322.750	47.12	1.49	54.0	6.88	AV	3.00	200	Vertical	Pass
6	10436.750	51.80	2.48	68.2	16.40	Peak	306.00	150	Vertical	Pass
6**	10436.750	43.36	2.48	--	--	AV	306.00	150	Vertical	N/A

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

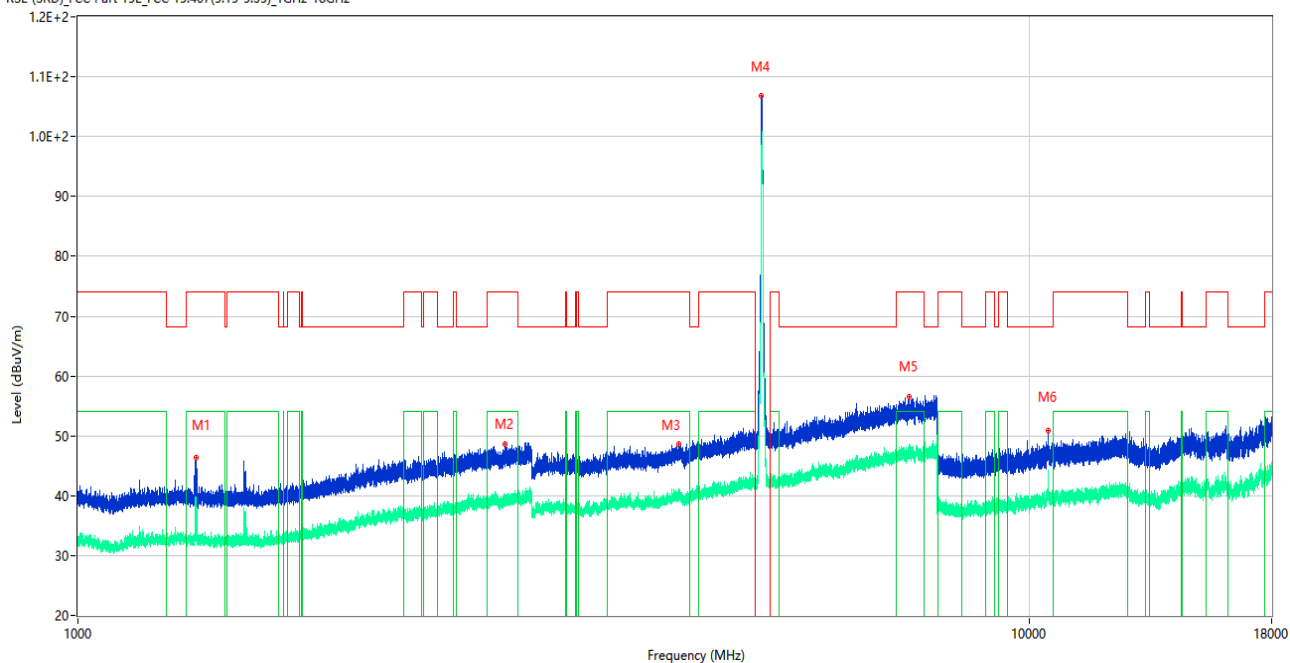
RSE (SRD)_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.600	44.07	-14.53	74.0	29.93	Peak	1.00	400	Horizontal	Pass
1**	1332.600	32.77	-14.53	54.0	21.23	AV	1.00	400	Horizontal	Pass
2	2748.000	48.48	-6.28	74.0	25.52	Peak	67.00	300	Horizontal	Pass
2**	2748.000	39.31	-6.28	54.0	14.69	AV	67.00	300	Horizontal	Pass
3	4259.500	48.73	-4.49	74.0	25.27	Peak	78.00	100	Horizontal	Pass
3**	4259.500	40.69	-4.49	54.0	13.31	AV	78.00	100	Horizontal	Pass
4	5239.000	101.09	-3.13	--	--	Peak	121.00	200	Horizontal	N/A
4**	5239.000	93.88	-3.13	--	--	AV	121.00	200	Horizontal	N/A
5	7621.000	56.80	3.02	74.0	17.20	Peak	339.00	150	Horizontal	Pass
5**	7621.000	48.07	3.02	54.0	5.93	AV	339.00	150	Horizontal	Pass
6	12326.776	51.34	4.27	74.0	22.66	Peak	101.00	300	Horizontal	Pass
6**	12326.776	41.01	4.27	54.0	12.99	AV	101.00	300	Horizontal	Pass

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

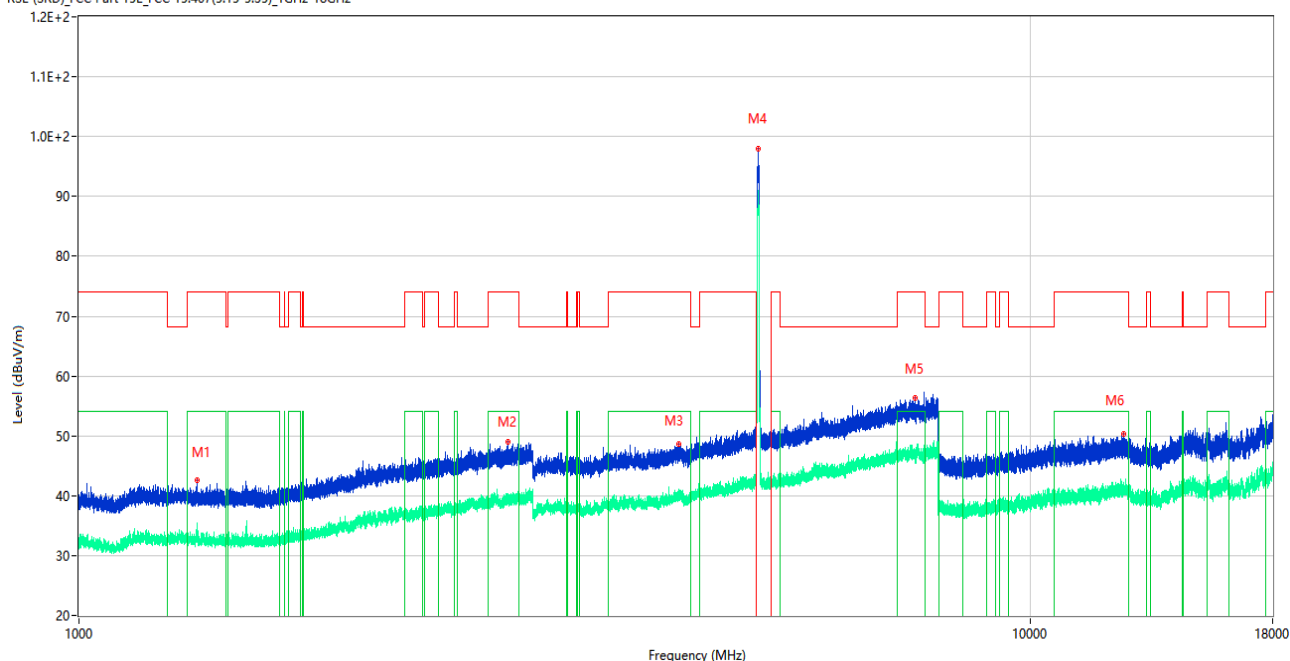
RSE (SRD)_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.700	46.40	-14.46	74.0	27.60	Peak	140.00	400	Vertical	Pass
1**	1330.700	35.40	-14.46	54.0	18.60	AV	140.00	400	Vertical	Pass
2	2810.800	48.62	-6.80	74.0	25.38	Peak	5.00	200	Vertical	Pass
2**	2810.800	38.57	-6.80	54.0	15.43	AV	5.00	200	Vertical	Pass
3	4286.000	48.60	-4.83	74.0	25.40	Peak	244.00	100	Vertical	Pass
3**	4286.000	41.06	-4.83	54.0	12.94	AV	244.00	100	Vertical	Pass
4	5236.000	106.75	-3.27	--	--	Peak	56.00	400	Vertical	N/A
4**	5236.000	97.65	-3.27	--	--	AV	56.00	400	Vertical	N/A
5	7480.500	56.62	2.27	74.0	17.38	Peak	35.00	150	Vertical	Pass
5**	7480.500	46.94	2.27	54.0	7.06	AV	35.00	150	Vertical	Pass
6	10475.938	50.88	2.05	68.2	17.32	Peak	344.00	150	Vertical	Pass
6**	10475.938	41.59	2.05	--	--	AV	344.00	150	Vertical	N/A

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

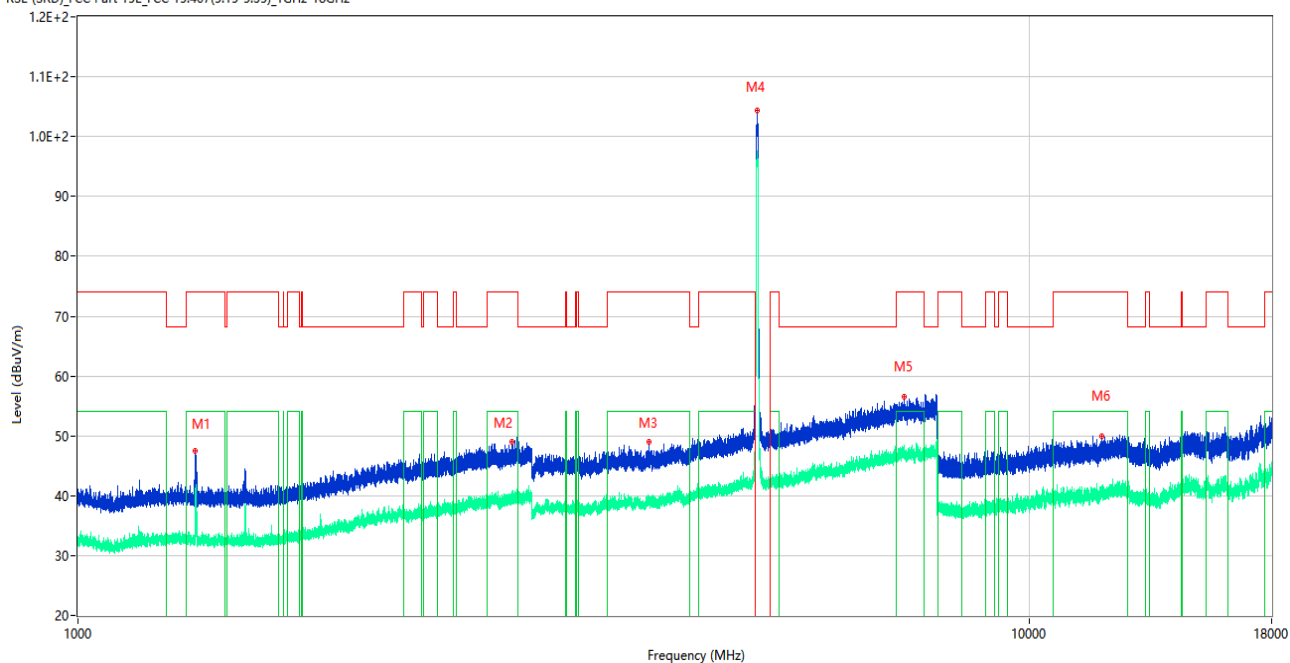
RSE (SRD), FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.100	42.61	-14.48	74.0	31.39	Peak	158.00	200	Horizontal	Pass
1**	1331.100	32.98	-14.48	54.0	21.02	AV	158.00	200	Horizontal	Pass
2	2825.500	49.01	-6.43	74.0	24.99	Peak	241.00	100	Horizontal	Pass
2**	2825.500	39.20	-6.43	54.0	14.80	AV	241.00	100	Horizontal	Pass
3	4270.000	48.68	-4.76	74.0	25.32	Peak	285.00	150	Horizontal	Pass
3**	4270.000	39.95	-4.76	54.0	14.05	AV	285.00	150	Horizontal	Pass
4	5182.000	97.98	-3.19	--	--	Peak	117.00	300	Horizontal	N/A
4**	5182.000	91.05	-3.19	--	--	AV	117.00	300	Horizontal	N/A
5	7566.500	56.28	1.93	74.0	17.72	Peak	316.00	150	Horizontal	Pass
5**	7566.500	47.21	1.93	54.0	6.79	AV	316.00	150	Horizontal	Pass
6	12535.537	50.32	4.07	74.0	23.68	Peak	308.00	150	Horizontal	Pass
6**	12535.537	41.22	4.07	54.0	12.78	AV	308.00	150	Horizontal	Pass

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

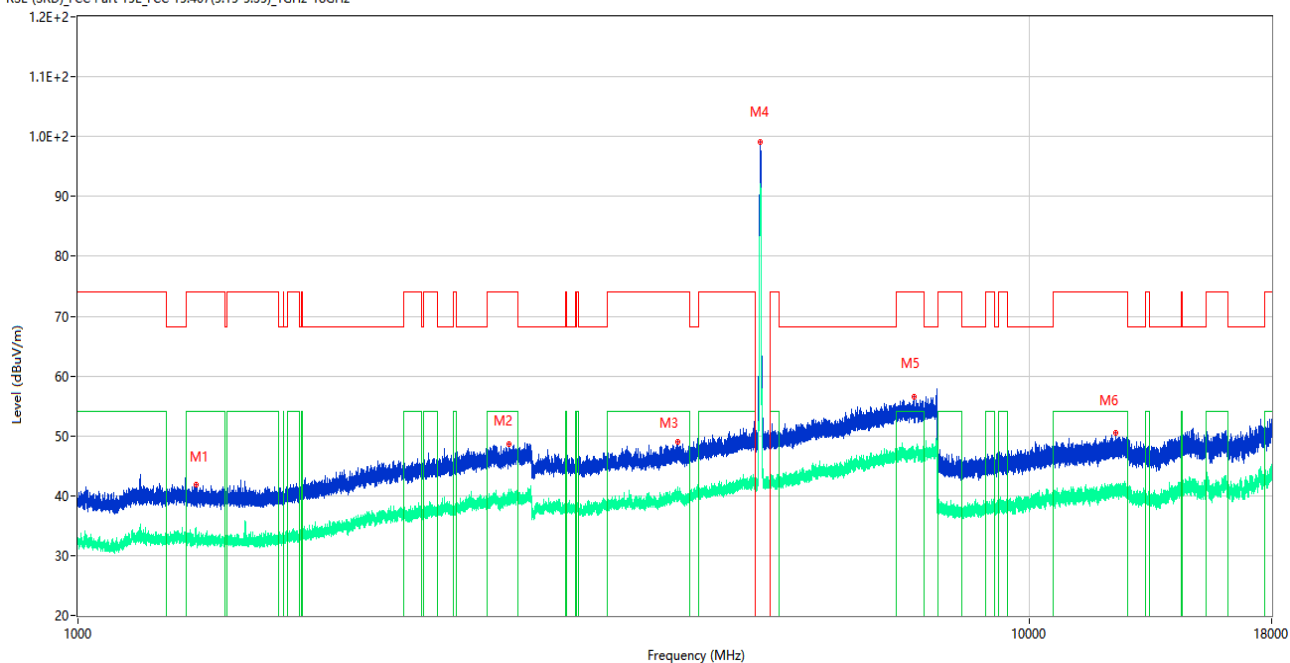
RSE (SRD)_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.100	47.54	-14.31	74.0	26.46	Peak	150.00	100	Vertical	Pass
1**	1328.100	41.28	-14.31	54.0	12.72	AV	150.00	100	Vertical	Pass
2	2859.400	49.07	-6.12	74.0	24.93	Peak	360.00	100	Vertical	Pass
2**	2859.400	39.42	-6.12	54.0	14.58	AV	360.00	100	Vertical	Pass
3	3982.750	48.99	-5.10	74.0	25.01	Peak	256.00	200	Vertical	Pass
3**	3982.750	39.26	-5.10	54.0	14.74	AV	256.00	200	Vertical	Pass
4	5180.750	104.28	-3.09	--	--	Peak	68.00	200	Vertical	N/A
4**	5180.750	97.09	-3.09	--	--	AV	68.00	200	Vertical	N/A
5	7392.000	56.63	1.40	74.0	17.37	Peak	130.00	150	Vertical	Pass
5**	7392.000	47.09	1.40	54.0	6.91	AV	130.00	150	Vertical	Pass
6	11937.988	50.02	3.11	74.0	23.98	Peak	282.00	100	Vertical	Pass
6**	11937.988	40.86	3.11	54.0	13.14	AV	282.00	100	Vertical	Pass

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

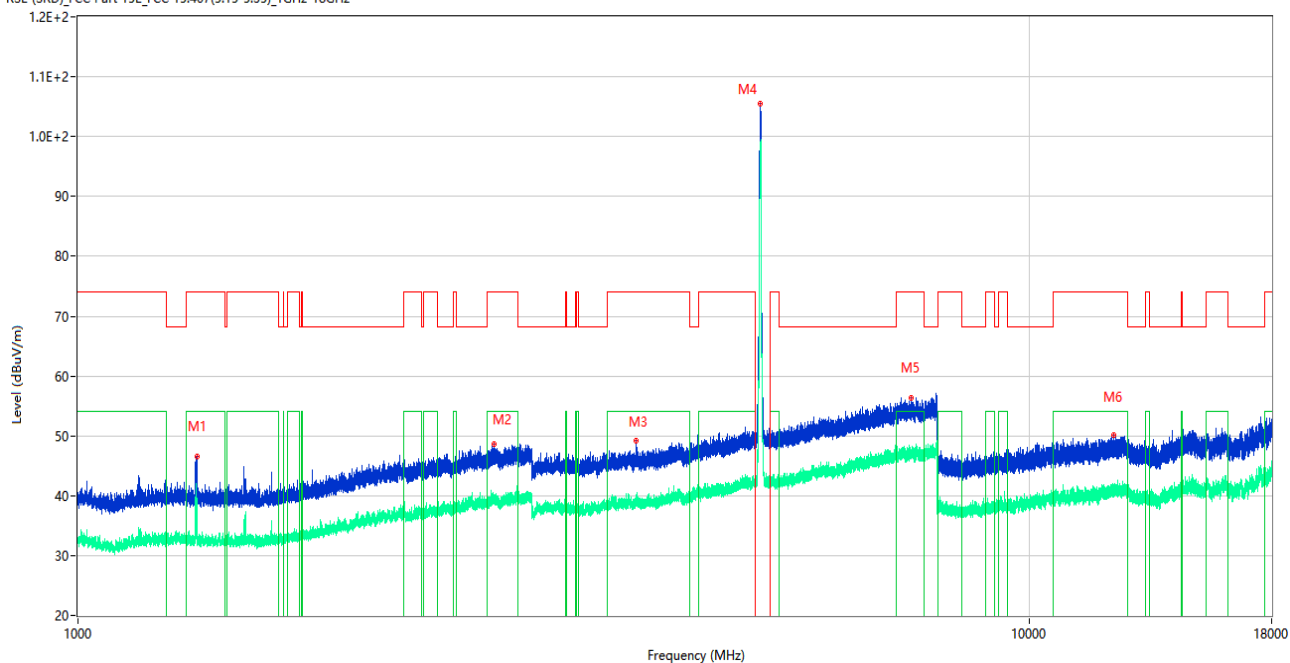
RSE (SRD)_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.100	41.79	-14.48	74.0	32.21	Peak	104.00	300	Horizontal	Pass
1**	1331.100	34.06	-14.48	54.0	19.94	AV	104.00	300	Horizontal	Pass
2	2837.100	48.58	-6.40	74.0	25.42	Peak	315.00	400	Horizontal	Pass
2**	2837.100	40.50	-6.40	54.0	13.50	AV	315.00	400	Horizontal	Pass
3	4271.500	49.08	-4.73	74.0	24.92	Peak	346.00	200	Horizontal	Pass
3**	4271.500	39.93	-4.73	54.0	14.07	AV	346.00	200	Horizontal	Pass
4	5223.250	99.12	-3.02	--	--	Peak	119.00	400	Horizontal	N/A
4**	5223.250	90.26	-3.02	--	--	AV	119.00	400	Horizontal	N/A
5	7576.750	56.48	1.63	74.0	17.52	Peak	351.00	150	Horizontal	Pass
5**	7576.750	46.41	1.63	54.0	7.59	AV	351.00	150	Horizontal	Pass
6	12327.487	50.46	4.28	74.0	23.54	Peak	358.00	400	Horizontal	Pass
6**	12327.487	40.29	4.28	54.0	13.71	AV	358.00	400	Horizontal	Pass

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

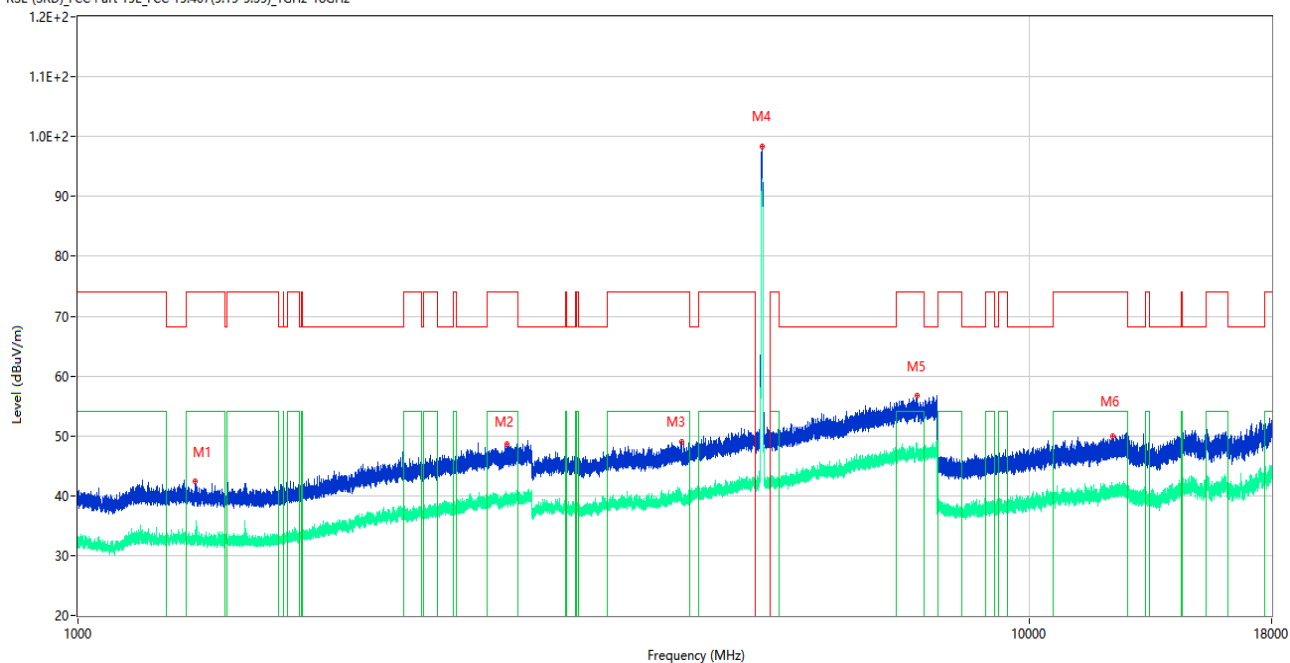
RSE (SRD)_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.300	46.59	-14.53	74.0	27.41	Peak	143.00	200	Vertical	Pass
1**	1333.300	36.68	-14.53	54.0	17.32	AV	143.00	200	Vertical	Pass
2	2738.500	48.71	-6.44	74.0	25.29	Peak	52.00	400	Vertical	Pass
2**	2738.500	38.99	-6.44	54.0	15.01	AV	52.00	400	Vertical	Pass
3	3860.750	49.23	-5.16	74.0	24.77	Peak	267.00	150	Vertical	Pass
3**	3860.750	38.88	-5.16	54.0	15.12	AV	267.00	150	Vertical	Pass
4	5219.250	105.56	-3.25	--	-49.56	Peak	56.00	400	Vertical	N/A
4**	5219.250	98.05	-3.25	--	-98.05	AV	56.00	400	Vertical	N/A
5	7528.250	56.35	2.30	74.0	17.65	Peak	289.00	100	Vertical	Pass
5**	7528.250	46.95	2.30	54.0	7.05	AV	289.00	100	Vertical	Pass
6	12281.175	50.21	3.78	74.0	23.79	Peak	276.00	100	Vertical	Pass
6**	12281.175	41.03	3.78	54.0	12.97	AV	276.00	100	Vertical	Pass

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

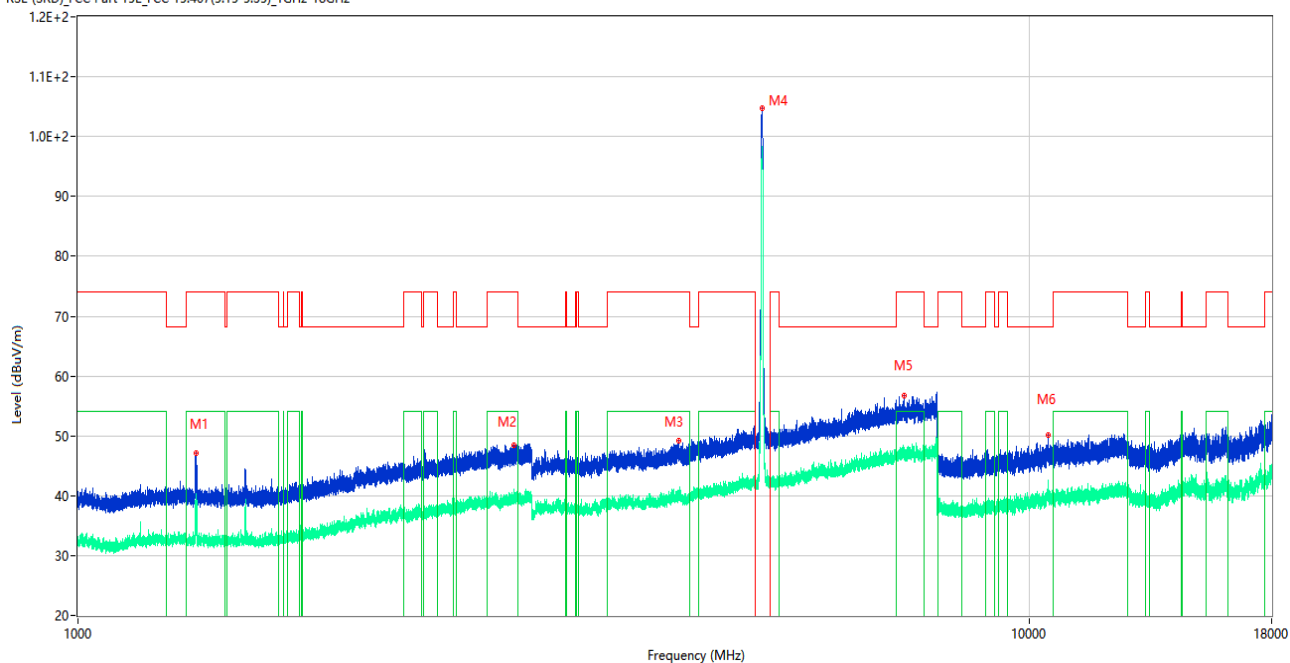
RSE (SRD)_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.800	42.50	-14.35	74.0	31.50	Peak	29.00	300	Horizontal	Pass
1**	1328.800	32.91	-14.35	54.0	21.09	AV	29.00	300	Horizontal	Pass
2	2826.300	48.68	-6.47	74.0	25.32	Peak	331.00	200	Horizontal	Pass
2**	2826.300	38.51	-6.47	54.0	15.49	AV	331.00	200	Horizontal	Pass
3	4313.250	49.03	-4.76	74.0	24.97	Peak	150.00	200	Horizontal	Pass
3**	4313.250	39.68	-4.76	54.0	14.32	AV	150.00	200	Horizontal	Pass
4	5244.500	98.38	-3.21	--	--	Peak	119.00	200	Horizontal	N/A
4**	5244.500	90.78	-3.21	--	--	AV	119.00	200	Horizontal	N/A
5	7630.750	56.68	2.90	74.0	17.32	Peak	222.00	200	Horizontal	Pass
5**	7630.750	47.51	2.90	54.0	6.49	AV	222.00	200	Horizontal	Pass
6	12237.950	49.94	3.89	74.0	24.06	Peak	204.00	200	Horizontal	Pass
6**	12237.950	41.26	3.89	54.0	12.74	AV	204.00	200	Horizontal	Pass

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

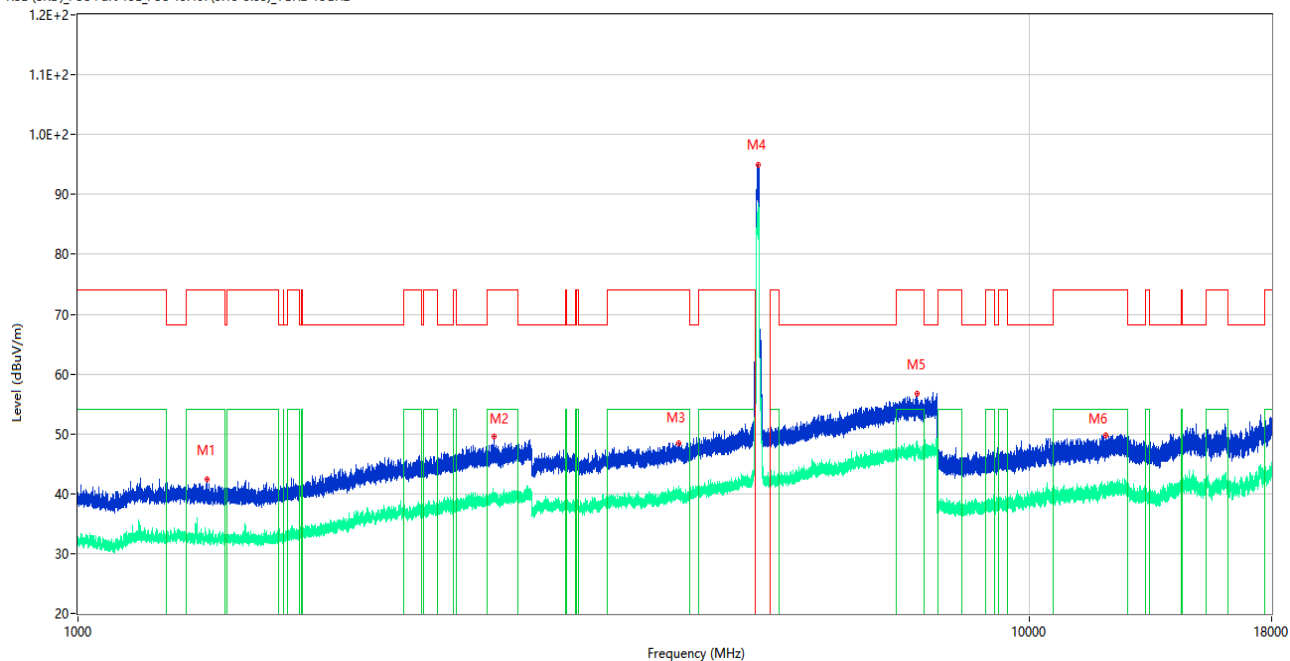
RSE (SRD)_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.400	47.10	-14.49	74.0	26.90	Peak	143.00	200	Vertical	Pass
1**	1331.400	35.38	-14.49	54.0	18.62	AV	143.00	200	Vertical	Pass
2	2876.400	48.49	-6.33	74.0	25.51	Peak	279.00	400	Vertical	Pass
2**	2876.400	39.23	-6.33	54.0	14.77	AV	279.00	400	Vertical	Pass
3	4279.250	49.10	-4.65	74.0	24.90	Peak	233.00	100	Vertical	Pass
3**	4279.250	40.82	-4.65	54.0	13.18	AV	233.00	100	Vertical	Pass
4	5241.000	104.71	-3.09	--	--	Peak	67.00	200	Vertical	N/A
4**	5241.000	97.42	-3.09	--	--	AV	67.00	200	Vertical	N/A
5	7386.000	56.72	1.43	74.0	17.28	Peak	297.00	100	Vertical	Pass
5**	7386.000	47.63	1.43	54.0	6.37	AV	297.00	100	Vertical	Pass
6	10477.125	50.11	2.03	68.2	18.09	Peak	313.00	150	Vertical	Pass
6**	10477.125	40.43	2.03	--	--	AV	313.00	150	Vertical	N/A

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

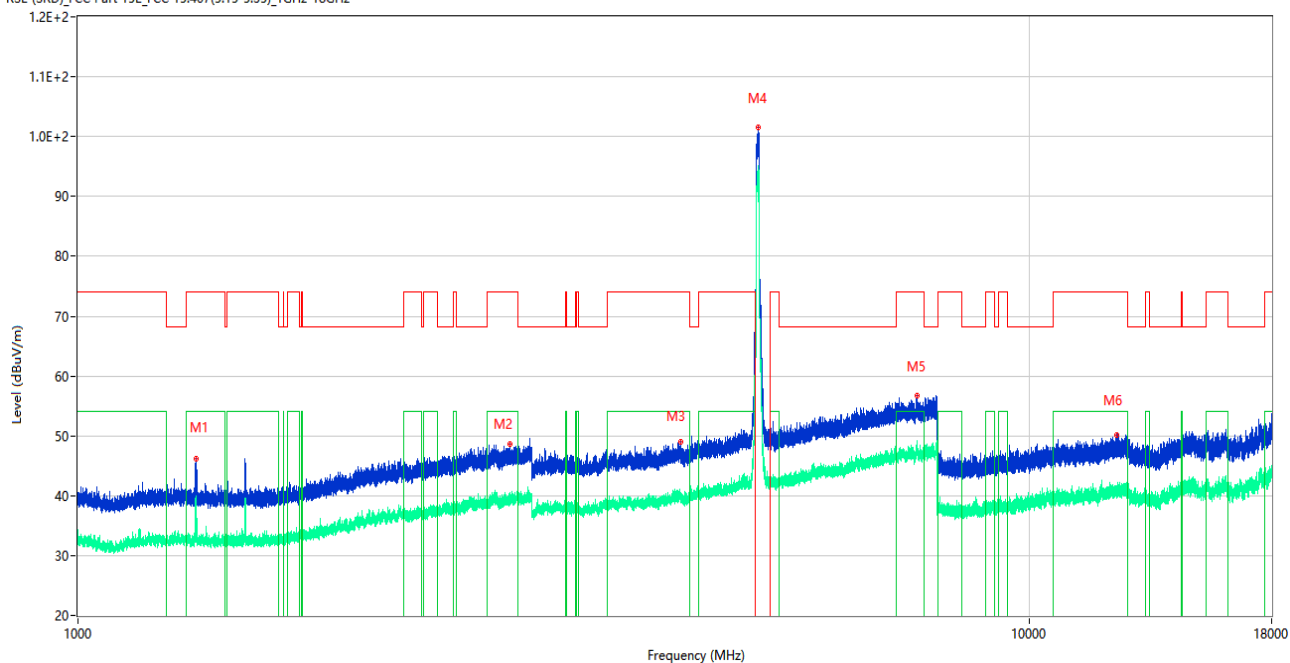
RSE (SRD)_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1366.900	42.36	-14.22	74.0	31.64	Peak	153.00	100	Horizontal	Pass
1**	1366.900	31.93	-14.22	54.0	22.07	AV	153.00	100	Horizontal	Pass
2	2736.400	49.59	-6.32	74.0	24.41	Peak	251.00	100	Horizontal	Pass
2**	2736.400	39.30	-6.32	54.0	14.70	AV	251.00	100	Horizontal	Pass
3	4287.750	48.53	-4.78	74.0	25.47	Peak	280.00	150	Horizontal	Pass
3**	4287.750	39.69	-4.78	54.0	14.31	AV	280.00	150	Horizontal	Pass
4	5198.500	94.94	-3.07	--	--	Peak	117.00	100	Horizontal	N/A
4**	5198.500	87.09	-3.07	--	--	AV	117.00	100	Horizontal	N/A
5	7630.000	56.66	2.89	74.0	17.34	Peak	356.00	150	Horizontal	Pass
5**	7630.000	46.92	2.89	54.0	7.08	AV	356.00	150	Horizontal	Pass
6	12045.575	49.74	2.93	74.0	24.26	Peak	119.00	200	Horizontal	Pass
6**	12045.575	40.05	2.93	54.0	13.95	AV	119.00	200	Horizontal	Pass

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

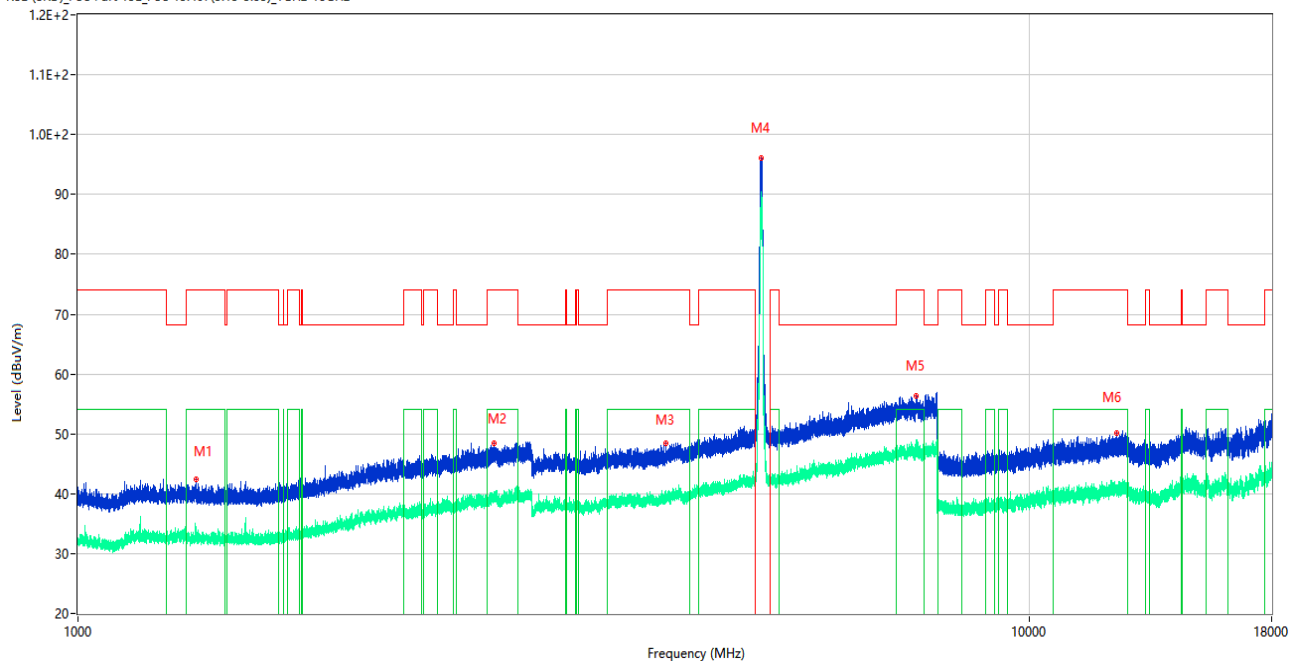
RSE (SRD)_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.300	46.12	-14.52	74.0	27.88	Peak	150.00	200	Vertical	Pass
1**	1332.300	37.68	-14.52	54.0	16.32	AV	150.00	200	Vertical	Pass
2	2847.100	48.56	-6.77	74.0	25.44	Peak	105.00	200	Vertical	Pass
2**	2847.100	39.19	-6.77	54.0	14.81	AV	105.00	200	Vertical	Pass
3	4302.500	49.02	-4.82	74.0	24.98	Peak	340.00	200	Vertical	Pass
3**	4302.500	40.30	-4.82	54.0	13.70	AV	340.00	200	Vertical	Pass
4	5192.500	101.47	-3.17	--	--	Peak	57.00	400	Vertical	N/A
4**	5192.500	93.92	-3.17	--	--	AV	57.00	400	Vertical	N/A
5	7623.500	56.68	3.00	74.0	17.32	Peak	89.00	100	Vertical	Pass
5**	7623.500	47.71	3.00	54.0	6.29	AV	89.00	100	Vertical	Pass
6	12371.662	50.12	4.23	74.0	23.88	Peak	238.00	300	Vertical	Pass
6**	12371.662	41.07	4.23	54.0	12.93	AV	238.00	300	Vertical	Pass

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

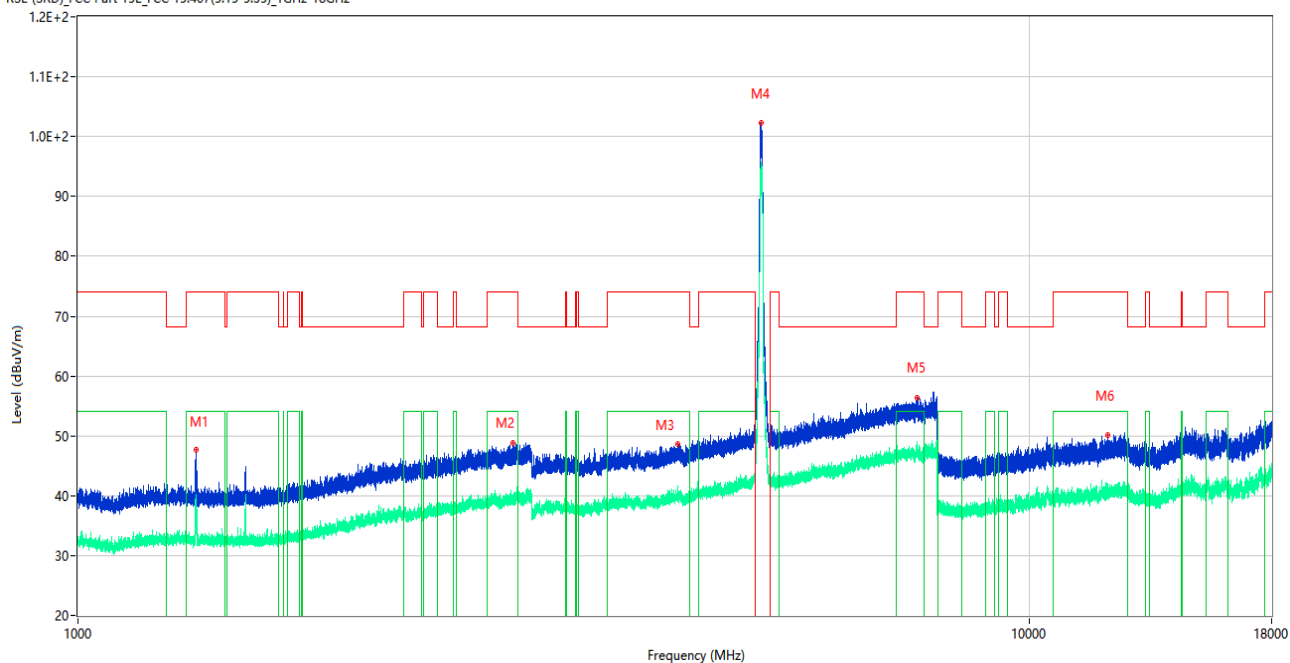
RSE (SRD)_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.100	42.41	-14.51	74.0	31.59	Peak	1.00	300	Horizontal	Pass
1**	1332.100	32.63	-14.51	54.0	21.37	AV	1.00	300	Horizontal	Pass
2	2736.200	48.37	-6.32	74.0	25.63	Peak	339.00	300	Horizontal	Pass
2**	2736.200	39.06	-6.32	54.0	14.94	AV	339.00	300	Horizontal	Pass
3	4147.750	48.52	-4.87	74.0	25.48	Peak	171.00	100	Horizontal	Pass
3**	4147.750	40.57	-4.87	54.0	13.43	AV	171.00	100	Horizontal	Pass
4	5232.750	96.09	-3.22	--	--	Peak	119.00	100	Horizontal	N/A
4**	5232.750	88.56	-3.22	--	--	AV	119.00	100	Horizontal	N/A
5	7616.750	56.40	3.04	74.0	17.60	Peak	310.00	200	Horizontal	Pass
5**	7616.750	47.11	3.04	54.0	6.89	AV	310.00	200	Horizontal	Pass
6	12384.487	50.10	4.05	74.0	23.90	Peak	157.00	200	Horizontal	Pass
6**	12384.487	40.42	4.05	54.0	13.58	AV	157.00	200	Horizontal	Pass

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

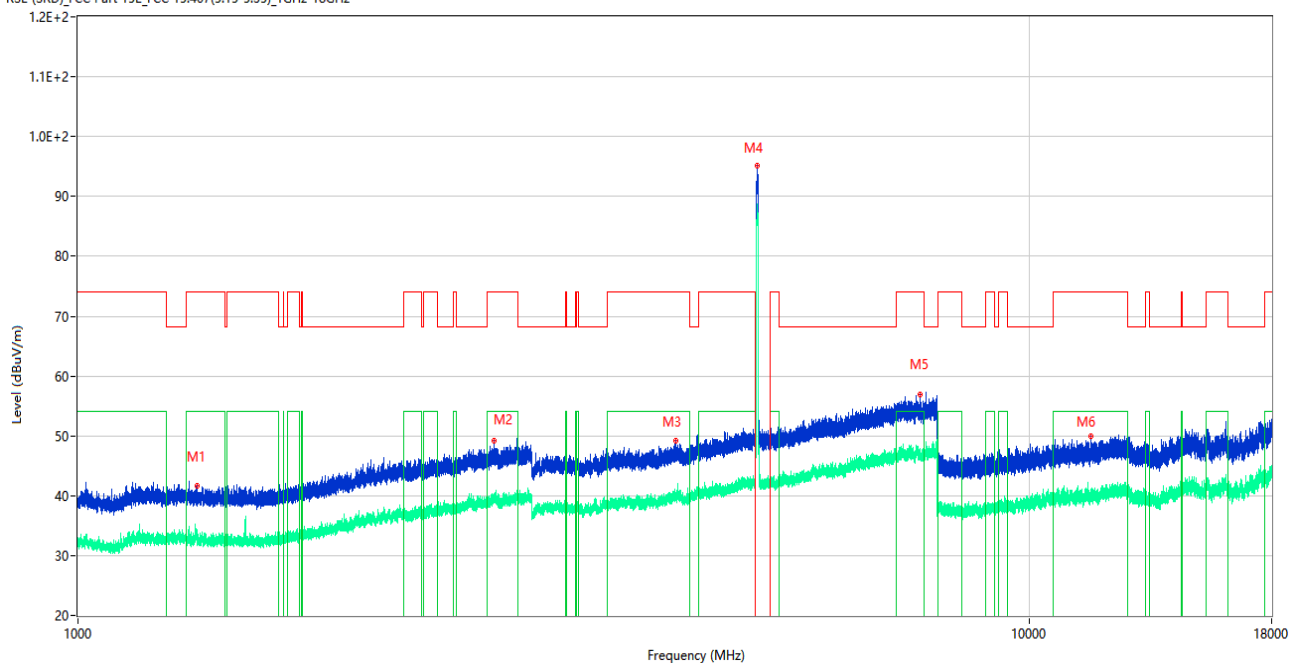
RSE (SRD)_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.200	47.70	-14.44	74.0	26.30	Peak	143.00	400	Vertical	Pass
1**	1330.200	35.67	-14.44	54.0	18.33	AV	143.00	400	Vertical	Pass
2	2864.200	48.73	-6.23	74.0	25.27	Peak	2.00	200	Vertical	Pass
2**	2864.200	39.38	-6.23	54.0	14.62	AV	2.00	200	Vertical	Pass
3	4276.000	48.65	-4.66	74.0	25.35	Peak	45.00	100	Vertical	Pass
3**	4276.000	39.82	-4.66	54.0	14.18	AV	45.00	100	Vertical	Pass
4	5227.750	102.23	-3.16	--	--	Peak	57.00	200	Vertical	N/A
4**	5227.750	94.30	-3.16	--	--	AV	57.00	200	Vertical	N/A
5	7623.750	56.37	3.00	74.0	17.63	Peak	245.00	100	Vertical	Pass
5**	7623.750	47.53	3.00	54.0	6.47	AV	245.00	100	Vertical	Pass
6	12091.412	50.12	3.27	74.0	23.88	Peak	98.00	400	Vertical	Pass
6**	12091.412	40.15	3.27	54.0	13.85	AV	98.00	400	Vertical	Pass

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

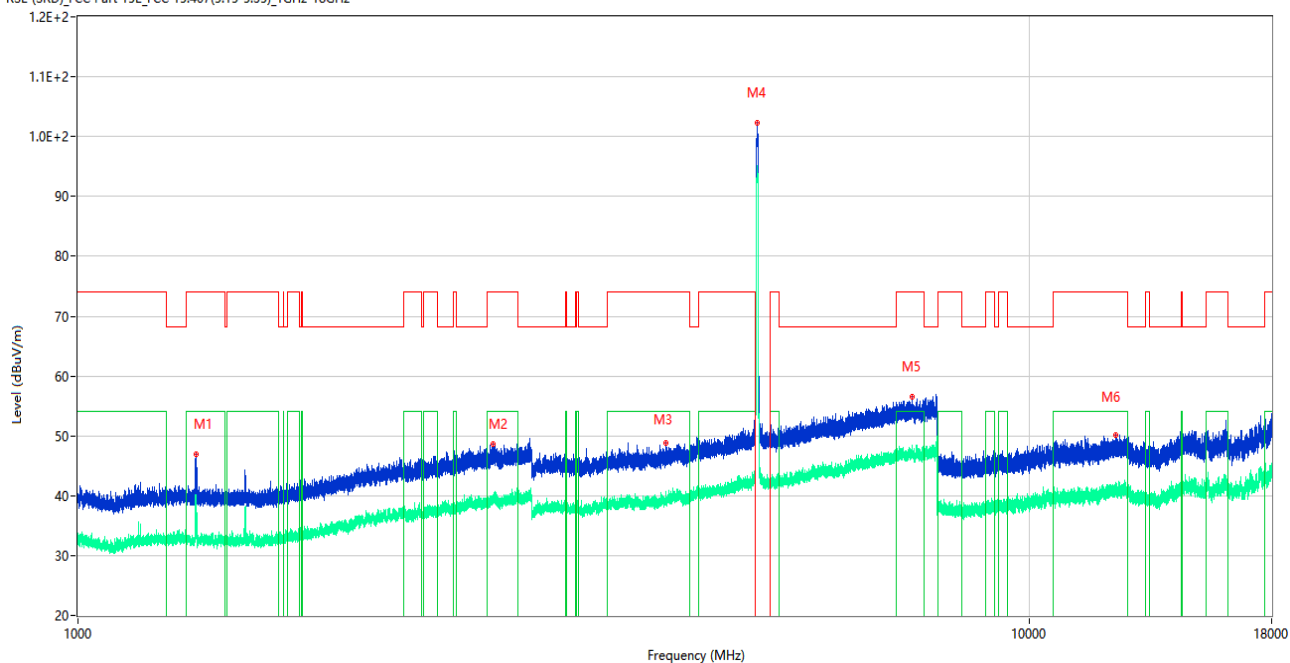
RSE (SRD)_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.000	41.63	-14.53	74.0	32.37	Peak	360.00	400	Horizontal	Pass
1**	1333.000	34.34	-14.53	54.0	19.66	AV	360.00	400	Horizontal	Pass
2	2738.900	49.26	-6.48	74.0	24.74	Peak	158.00	300	Horizontal	Pass
2**	2738.900	39.35	-6.48	54.0	14.65	AV	158.00	300	Horizontal	Pass
3	4253.500	49.12	-4.64	74.0	24.88	Peak	68.00	150	Horizontal	Pass
3**	4253.500	40.15	-4.64	54.0	13.85	AV	68.00	150	Horizontal	Pass
4	5179.250	95.14	-3.13	--	--	Peak	121.00	100	Horizontal	N/A
4**	5179.250	87.23	-3.13	--	--	AV	121.00	100	Horizontal	N/A
5	7680.750	56.98	2.46	74.0	17.02	Peak	359.00	200	Horizontal	Pass
5**	7680.750	47.03	2.46	54.0	6.97	AV	359.00	200	Horizontal	Pass
6	11629.237	49.88	2.15	74.0	24.12	Peak	262.00	400	Horizontal	Pass
6**	11629.237	39.71	2.15	54.0	14.29	AV	262.00	400	Horizontal	Pass

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

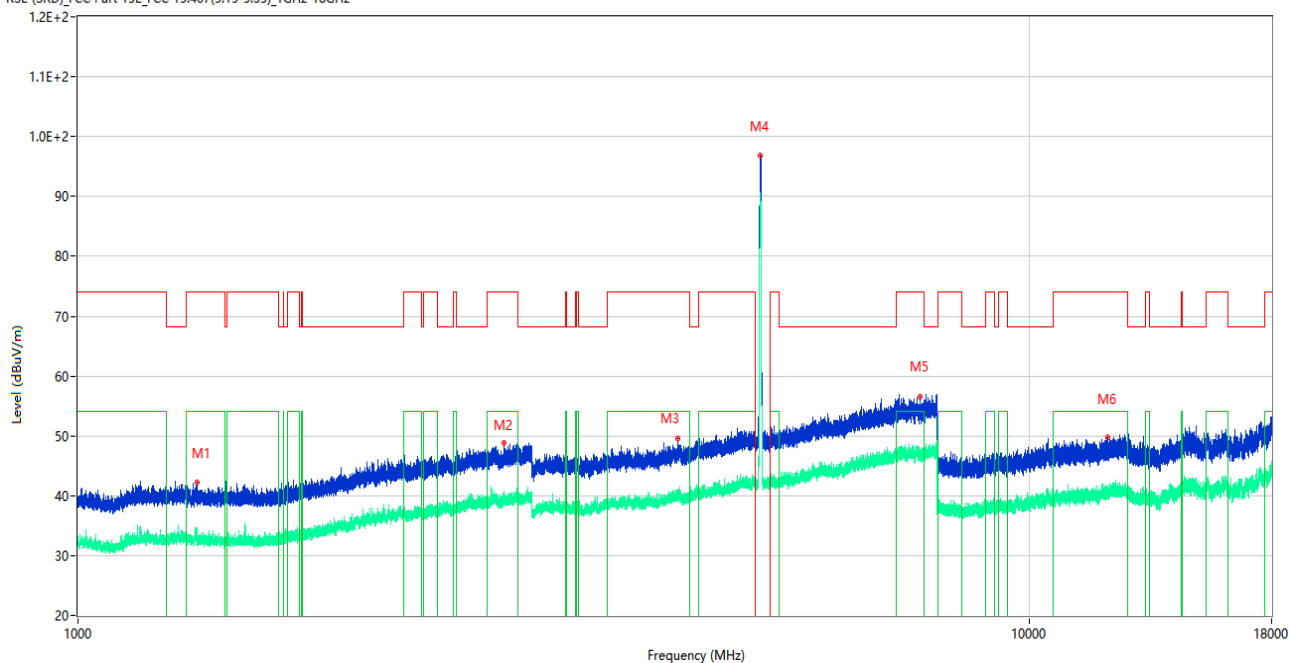
RSE (SRD)_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.700	46.98	-14.41	74.0	27.02	Peak	152.00	200	Vertical	Pass
1**	1329.700	34.37	-14.41	54.0	19.63	AV	152.00	200	Vertical	Pass
2	2729.300	48.54	-6.44	74.0	25.46	Peak	122.00	200	Vertical	Pass
2**	2729.300	38.86	-6.44	54.0	15.14	AV	122.00	200	Vertical	Pass
3	4149.250	48.76	-4.80	74.0	25.24	Peak	109.00	200	Vertical	Pass
3**	4149.250	39.37	-4.80	54.0	14.63	AV	109.00	200	Vertical	Pass
4	5180.750	102.32	-3.09	--	--	Peak	68.00	300	Vertical	N/A
4**	5180.750	95.09	-3.09	--	--	AV	68.00	300	Vertical	N/A
5	7546.000	56.60	1.94	74.0	17.40	Peak	172.00	200	Vertical	Pass
5**	7546.000	47.19	1.94	54.0	6.81	AV	172.00	200	Vertical	Pass
6	12338.888	50.21	4.22	74.0	23.79	Peak	218.00	400	Vertical	Pass
6**	12338.888	41.99	4.22	54.0	12.01	AV	218.00	400	Vertical	Pass

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

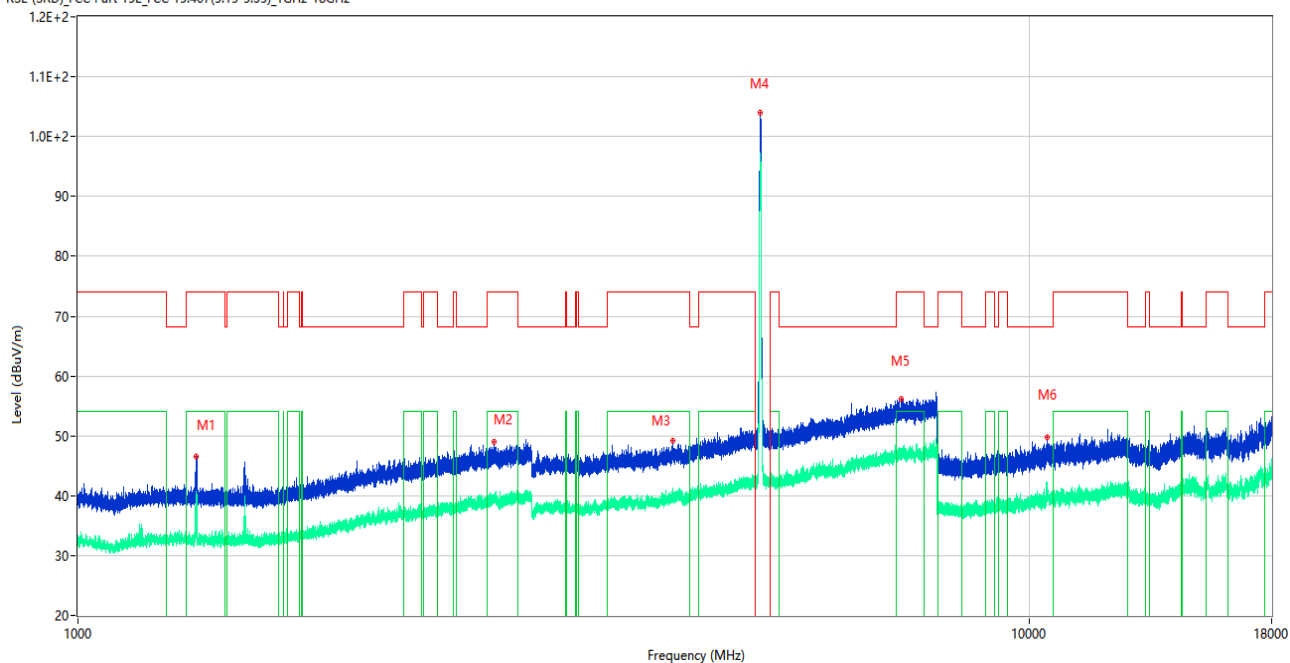
RSE (SRD)_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.000	42.30	-14.53	74.0	31.70	Peak	360.00	100	Horizontal	Pass
1**	1333.000	34.02	-14.53	54.0	19.98	AV	360.00	100	Horizontal	Pass
2	2808.800	48.77	-6.79	74.0	25.23	Peak	80.00	400	Horizontal	Pass
2**	2808.800	39.55	-6.79	54.0	14.45	AV	80.00	400	Horizontal	Pass
3	4273.750	49.48	-4.71	74.0	24.52	Peak	78.00	150	Horizontal	Pass
3**	4273.750	41.12	-4.71	54.0	12.88	AV	78.00	150	Horizontal	Pass
4	5223.000	96.81	-3.03	--	23.19	Peak	120.00	300	Horizontal	N/A
4**	5223.000	89.27	-3.03	--	-89.27	AV	120.00	300	Horizontal	N/A
5	7679.250	56.61	2.49	74.0	17.39	Peak	321.00	150	Horizontal	Pass
5**	7679.250	46.90	2.49	54.0	7.10	AV	321.00	150	Horizontal	Pass
6	12101.151	49.85	3.47	74.0	24.15	Peak	127.00	100	Horizontal	Pass
6**	12101.151	40.79	3.47	54.0	13.21	AV	127.00	100	Horizontal	Pass

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

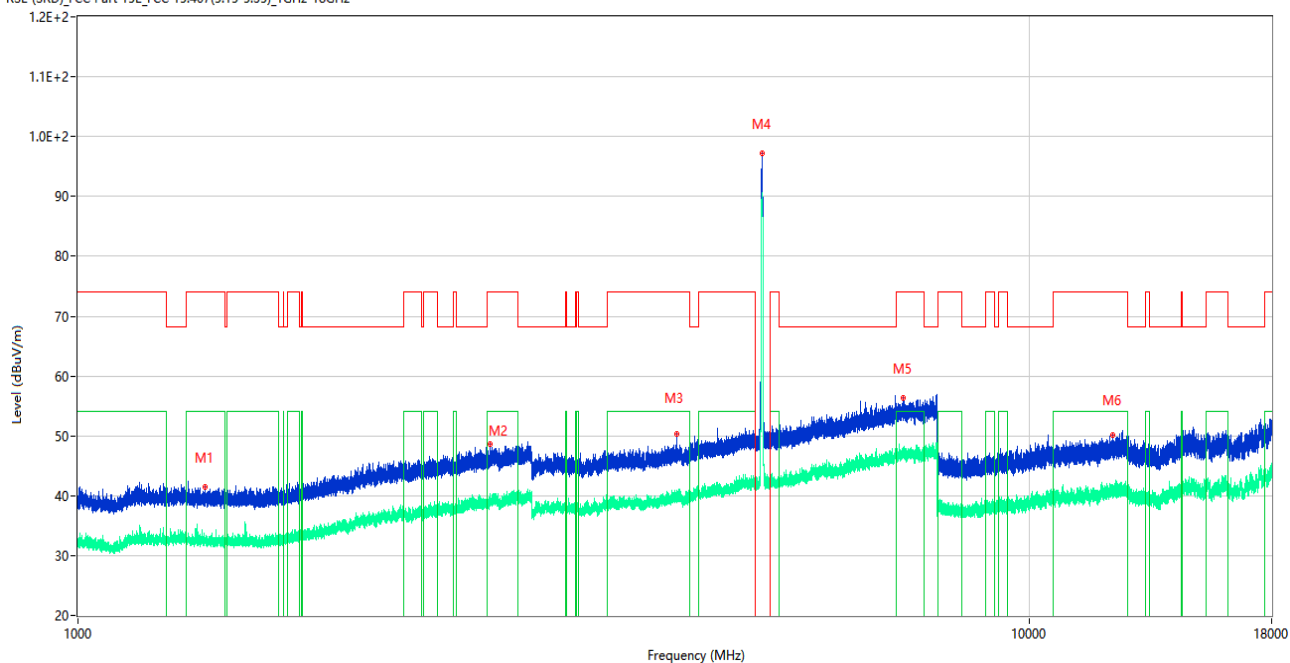
RSE (SRD)_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.000	46.58	-14.43	74.0	27.42	Peak	145.00	100	Vertical	Pass
1**	1330.000	35.28	-14.43	54.0	18.72	AV	145.00	100	Vertical	Pass
2	2740.200	49.07	-6.46	74.0	24.93	Peak	152.00	100	Vertical	Pass
2**	2740.200	39.33	-6.46	54.0	14.67	AV	152.00	100	Vertical	Pass
3	4221.000	49.26	-4.55	74.0	24.74	Peak	331.00	100	Vertical	Pass
3**	4221.000	40.65	-4.55	54.0	13.35	AV	331.00	100	Vertical	Pass
4	5223.250	103.90	-3.02	--	--	Peak	66.00	100	Vertical	N/A
4**	5223.250	95.48	-3.02	--	--	AV	66.00	100	Vertical	N/A
5	7344.000	56.13	1.48	74.0	17.87	Peak	331.00	150	Vertical	Pass
5**	7344.000	47.23	1.48	54.0	6.77	AV	331.00	150	Vertical	Pass
6	10444.826	49.73	2.29	68.2	18.47	Peak	308.00	150	Vertical	Pass
6**	10444.826	40.96	2.29	--	--	AV	308.00	150	Vertical	N/A

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

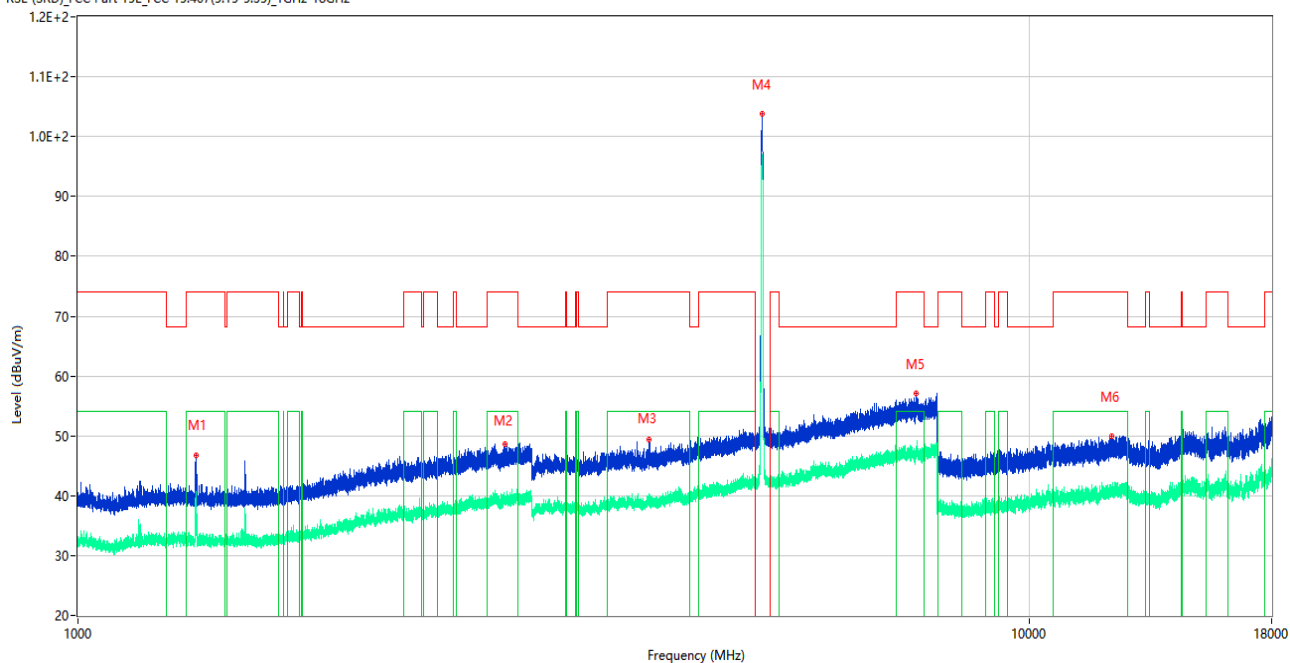
RSE (SRD)_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1361.500	41.45	-14.24	74.0	32.55	Peak	256.00	300	Horizontal	Pass
1**	1361.500	32.75	-14.24	54.0	21.25	AV	256.00	300	Horizontal	Pass
2	2713.100	48.65	-7.23	74.0	25.35	Peak	148.00	200	Horizontal	Pass
2**	2713.100	38.70	-7.23	54.0	15.30	AV	148.00	200	Horizontal	Pass
3	4260.250	50.34	-4.46	74.0	23.66	Peak	0.00	150	Horizontal	Pass
3**	4260.250	39.51	-4.46	54.0	14.49	AV	0.00	150	Horizontal	Pass
4	5242.000	97.18	-3.08	--	--	Peak	121.00	400	Horizontal	N/A
4**	5242.000	89.75	-3.08	--	--	AV	121.00	400	Horizontal	N/A
5	7374.750	56.26	1.59	74.0	17.74	Peak	37.00	200	Horizontal	Pass
5**	7374.750	46.88	1.59	54.0	7.12	AV	37.00	200	Horizontal	Pass
6	12255.287	50.05	3.81	74.0	23.95	Peak	360.00	400	Horizontal	Pass
6**	12255.287	40.05	3.81	54.0	13.95	AV	360.00	400	Horizontal	Pass

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

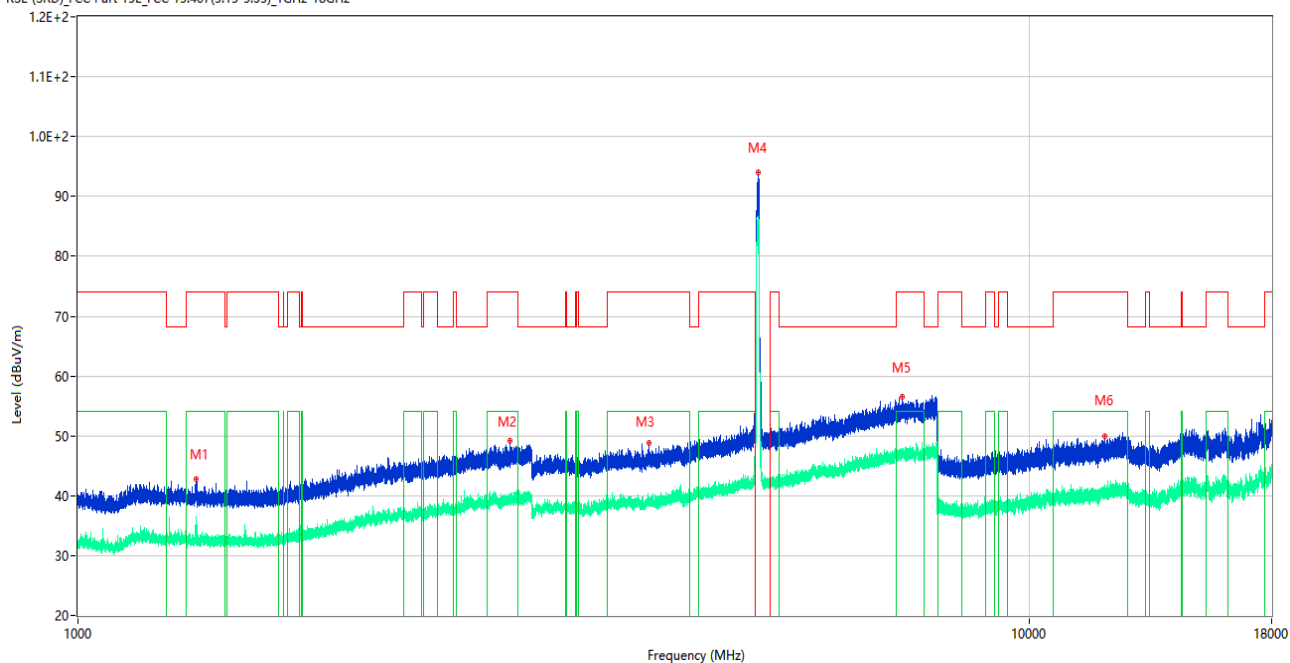
RSE (SRD)_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.400	46.83	-14.49	74.0	27.17	Peak	148.00	200	Vertical	Pass
1**	1331.400	35.75	-14.49	54.0	18.25	AV	148.00	200	Vertical	Pass
2	2810.100	48.69	-6.80	74.0	25.31	Peak	300.00	200	Vertical	Pass
2**	2810.100	39.33	-6.80	54.0	14.67	AV	300.00	200	Vertical	Pass
3	3982.000	49.44	-5.06	74.0	24.56	Peak	153.00	100	Vertical	Pass
3**	3982.000	38.63	-5.06	54.0	15.37	AV	153.00	100	Vertical	Pass
4	5238.500	103.78	-3.15	--	--	Peak	68.00	300	Vertical	N/A
4**	5238.500	95.65	-3.15	--	--	AV	68.00	300	Vertical	N/A
5	7609.500	57.02	3.16	74.0	16.98	Peak	343.00	100	Vertical	Pass
5**	7609.500	47.98	3.16	54.0	6.02	AV	343.00	100	Vertical	Pass
6	12236.526	50.01	3.86	74.0	23.99	Peak	76.00	100	Vertical	Pass
6**	12236.526	40.68	3.86	54.0	13.32	AV	76.00	100	Vertical	Pass

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

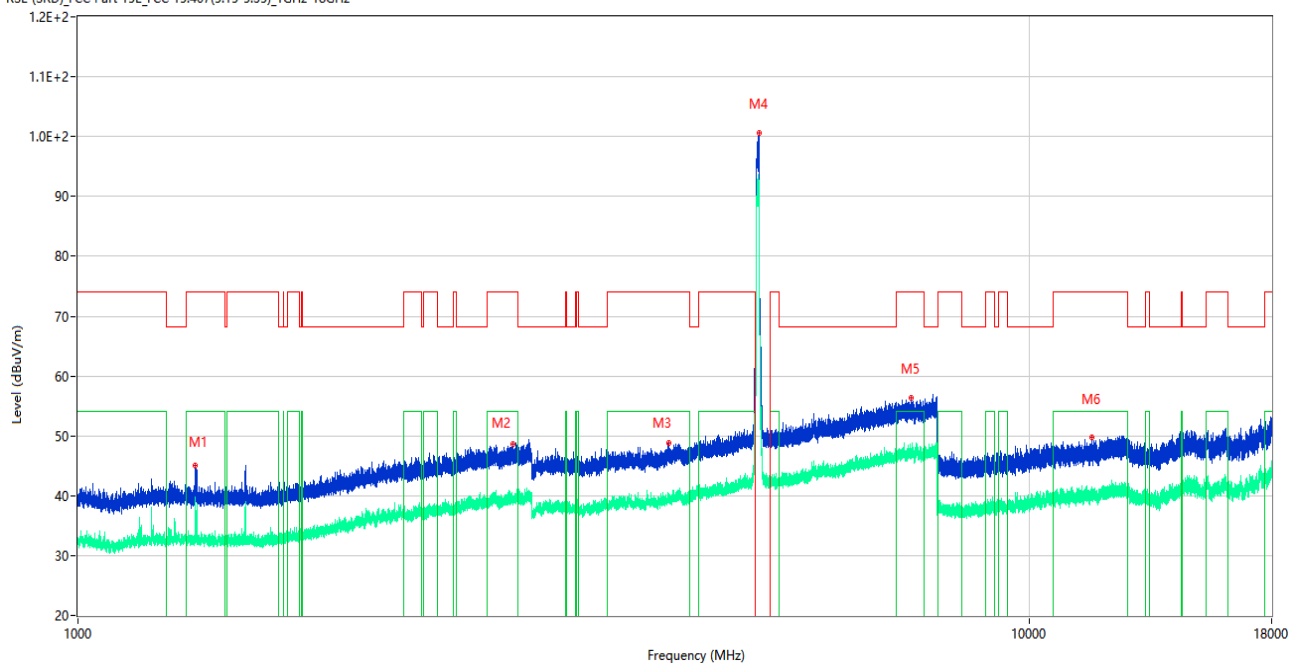
RSE (SRD)_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.800	42.75	-14.50	74.0	31.25	Peak	217.00	200	Horizontal	Pass
1**	1331.800	33.36	-14.50	54.0	20.64	AV	217.00	200	Horizontal	Pass
2	2843.000	49.13	-6.67	74.0	24.87	Peak	119.00	300	Horizontal	Pass
2**	2843.000	39.62	-6.67	54.0	14.38	AV	119.00	300	Horizontal	Pass
3	3989.750	48.78	-5.50	74.0	25.22	Peak	35.00	100	Horizontal	Pass
3**	3989.750	38.43	-5.50	54.0	15.57	AV	35.00	100	Horizontal	Pass
4	5195.750	93.98	-3.10	--	--	Peak	120.00	100	Horizontal	N/A
4**	5195.750	86.27	-3.10	--	--	AV	120.00	100	Horizontal	N/A
5	7357.250	56.50	1.72	74.0	17.50	Peak	300.00	100	Horizontal	Pass
5**	7357.250	46.83	1.72	54.0	7.17	AV	300.00	100	Horizontal	Pass
6	12025.625	49.92	3.09	74.0	24.08	Peak	251.00	100	Horizontal	Pass
6**	12025.625	40.51	3.09	54.0	13.49	AV	251.00	100	Horizontal	Pass

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

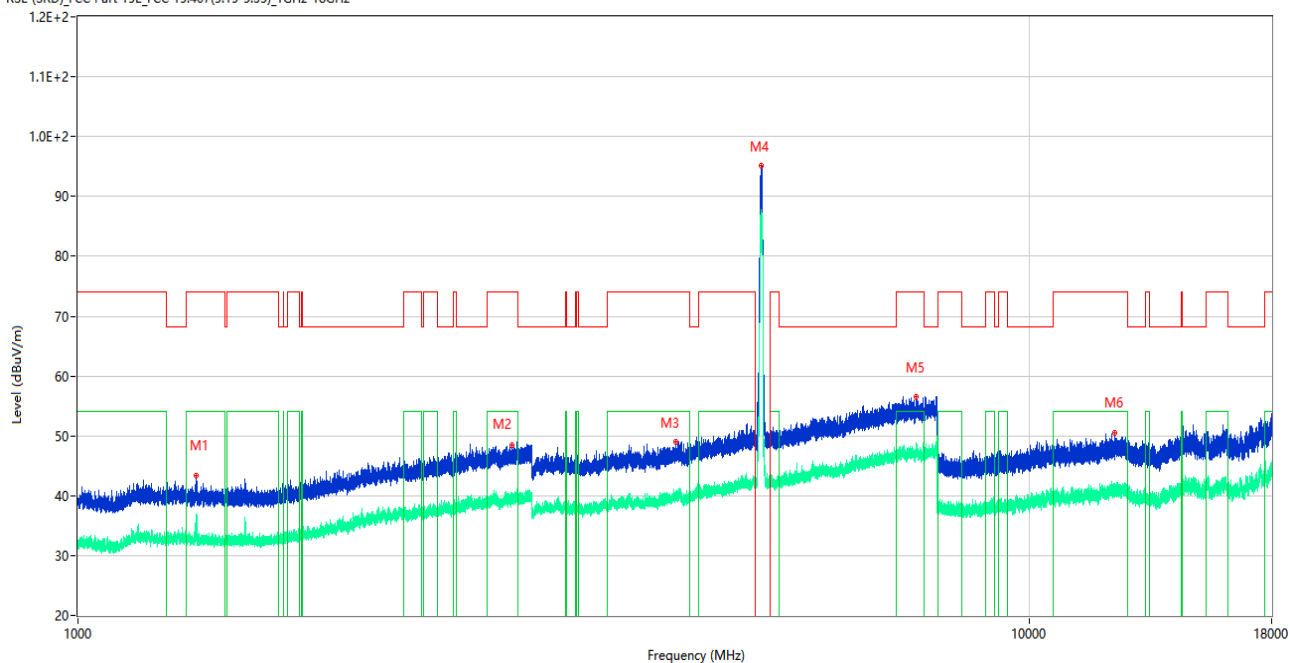
RSE (SRD)_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1327.900	45.02	-14.32	74.0	28.98	Peak	277.00	300	Vertical	Pass
1**	1327.900	33.18	-14.32	54.0	20.82	AV	277.00	300	Vertical	Pass
2	2864.000	48.60	-6.21	74.0	25.40	Peak	4.00	300	Vertical	Pass
2**	2864.000	39.03	-6.21	54.0	14.97	AV	4.00	300	Vertical	Pass
3	4179.500	48.84	-4.74	74.0	25.16	Peak	340.00	100	Vertical	Pass
3**	4179.500	39.11	-4.74	54.0	14.89	AV	340.00	100	Vertical	Pass
4	5201.250	100.57	-3.12	--	--	Peak	68.00	300	Vertical	N/A
4**	5201.250	92.74	-3.12	--	--	AV	68.00	300	Vertical	N/A
5	7522.500	56.29	2.31	74.0	17.71	Peak	356.00	100	Vertical	Pass
5**	7522.500	47.07	2.31	54.0	6.93	AV	356.00	100	Vertical	Pass
6	11642.299	49.79	2.22	74.0	24.21	Peak	142.00	300	Vertical	Pass
6**	11642.299	40.67	2.22	54.0	13.33	AV	142.00	300	Vertical	Pass

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

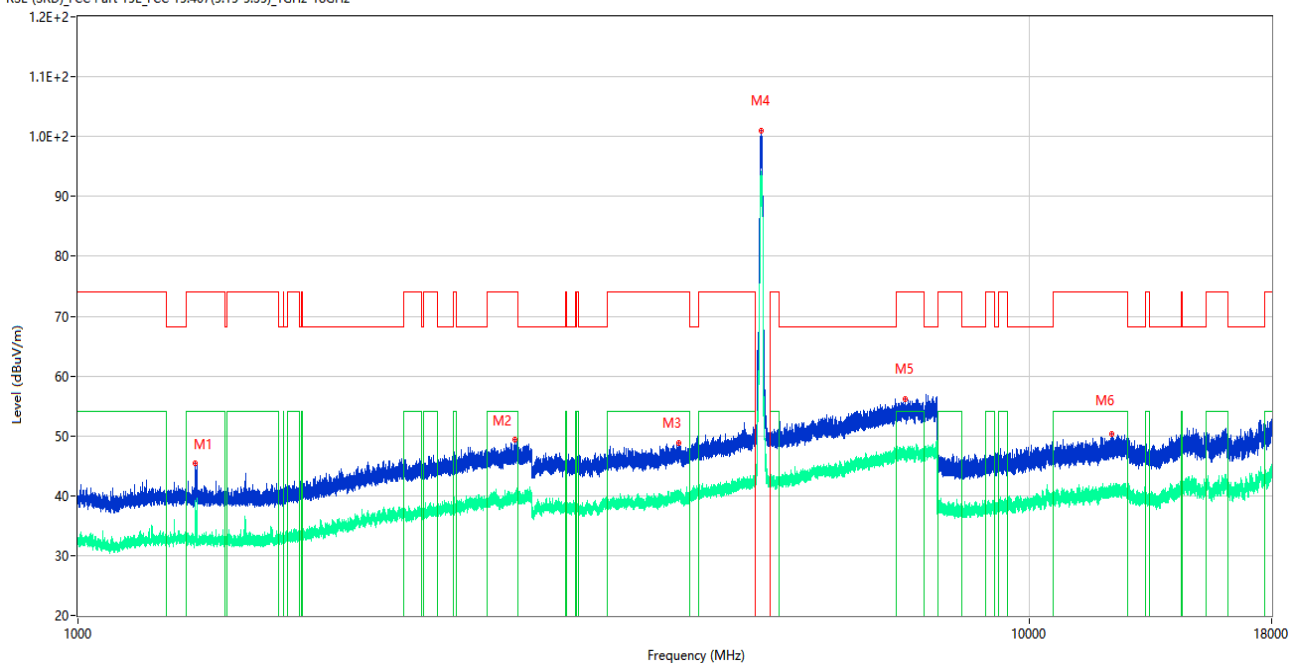
RSE (SRD)_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.300	43.41	-14.45	74.0	30.59	Peak	360.00	100	Horizontal	Pass
1**	1330.300	32.85	-14.45	54.0	21.15	AV	360.00	100	Horizontal	Pass
2	2857.800	48.46	-6.16	74.0	25.54	Peak	325.00	300	Horizontal	Pass
2**	2857.800	40.07	-6.16	54.0	13.93	AV	325.00	300	Horizontal	Pass
3	4253.500	48.98	-4.64	74.0	25.02	Peak	358.00	150	Horizontal	Pass
3**	4253.500	39.86	-4.64	54.0	14.14	AV	358.00	150	Horizontal	Pass
4	5234.500	95.08	-3.22	--	N/A	Peak	119.00	400	Horizontal	N/A
4**	5234.500	86.18	-3.22	--	N/A	AV	119.00	400	Horizontal	N/A
5	7607.500	56.47	3.09	74.0	17.53	Peak	360.00	100	Horizontal	Pass
5**	7607.500	47.21	3.09	54.0	6.79	AV	360.00	100	Horizontal	Pass
6	12320.362	50.52	4.19	74.0	23.48	Peak	142.00	100	Horizontal	Pass
6**	12320.362	40.55	4.19	54.0	13.45	AV	142.00	100	Horizontal	Pass

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

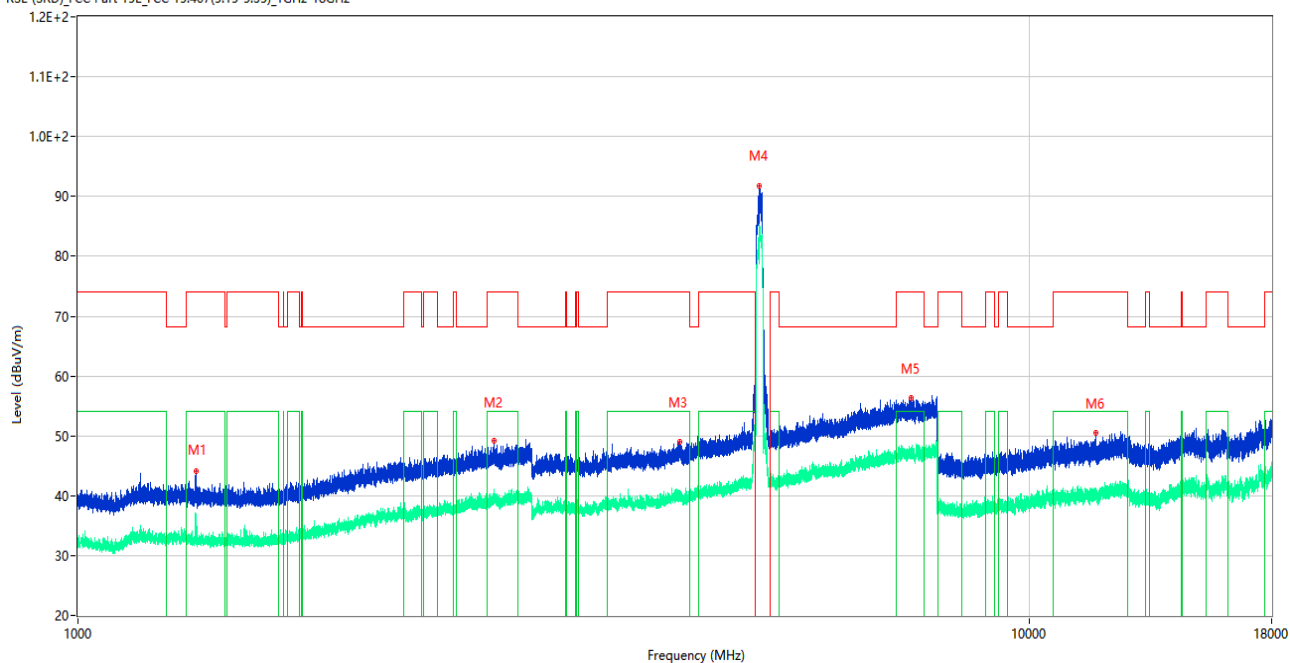
RSE (SRD)_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.600	45.40	-14.40	74.0	28.60	Peak	142.00	200	Vertical	Pass
1**	1329.600	39.22	-14.40	54.0	14.78	AV	142.00	200	Vertical	Pass
2	2879.800	49.44	-6.24	74.0	24.56	Peak	165.00	300	Vertical	Pass
2**	2879.800	39.14	-6.24	54.0	14.86	AV	165.00	300	Vertical	Pass
3	4286.250	48.89	-4.82	74.0	25.11	Peak	0.00	150	Vertical	Pass
3**	4286.250	39.69	-4.82	54.0	14.31	AV	0.00	150	Vertical	Pass
4	5232.750	100.99	-3.22	--	N/A	Peak	68.00	300	Vertical	N/A
4**	5232.750	93.61	-3.22	--	N/A	AV	68.00	300	Vertical	N/A
5	7404.500	56.24	1.34	74.0	17.76	Peak	130.00	100	Vertical	Pass
5**	7404.500	46.70	1.34	54.0	7.30	AV	130.00	100	Vertical	Pass
6	12236.049	50.25	3.85	74.0	23.75	Peak	338.00	400	Vertical	Pass
6**	12236.049	40.91	3.85	54.0	13.09	AV	338.00	400	Vertical	Pass

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

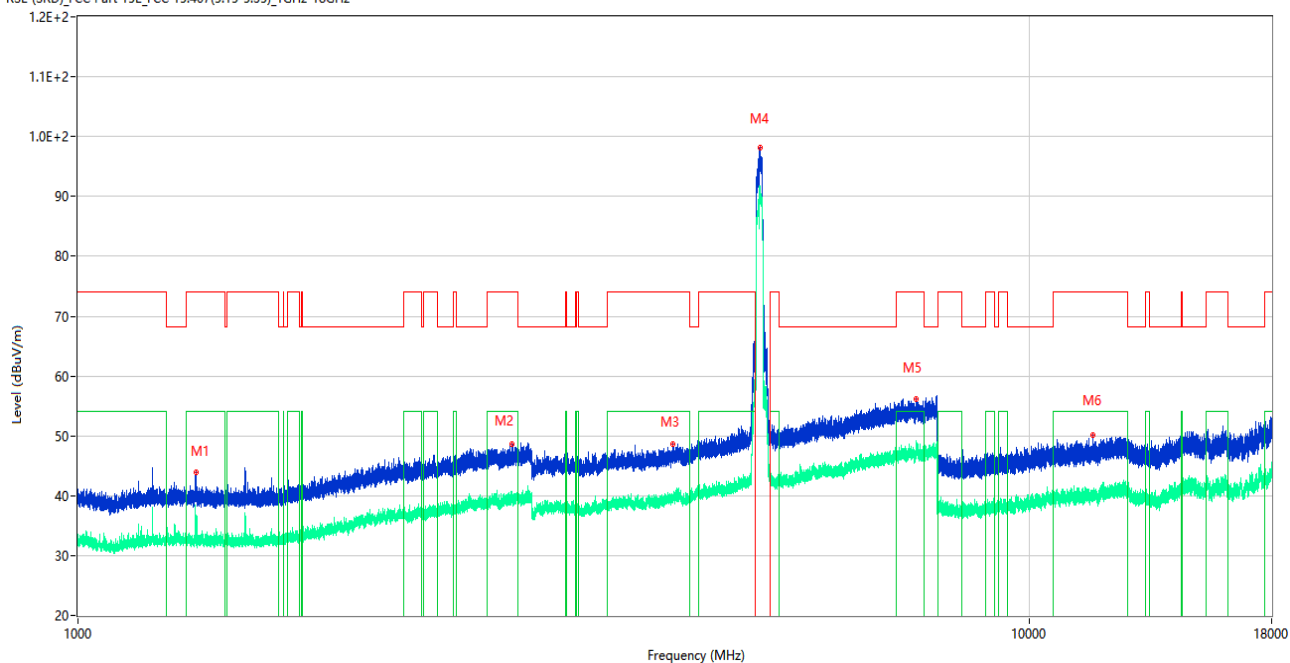
RSE (SRD)_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.100	44.04	-14.43	74.0	29.96	Peak	27.00	100	Horizontal	Pass
1**	1330.100	33.56	-14.43	54.0	20.44	AV	27.00	100	Horizontal	Pass
2	2737.300	49.19	-6.34	74.0	24.81	Peak	10.00	200	Horizontal	Pass
2**	2737.300	39.50	-6.34	54.0	14.50	AV	10.00	200	Horizontal	Pass
3	4294.250	49.08	-4.70	74.0	24.92	Peak	257.00	200	Horizontal	Pass
3**	4294.250	39.85	-4.70	54.0	14.15	AV	257.00	200	Horizontal	Pass
4	5207.500	91.74	-3.19	--	--	Peak	120.00	100	Horizontal	N/A
4**	5207.500	84.11	-3.19	--	--	AV	120.00	100	Horizontal	N/A
5	7520.500	56.26	2.14	74.0	17.74	Peak	182.00	200	Horizontal	Pass
5**	7520.500	47.38	2.14	54.0	6.62	AV	182.00	200	Horizontal	Pass
6	11765.562	50.42	1.96	74.0	23.58	Peak	34.00	100	Horizontal	Pass
6**	11765.562	40.20	1.96	54.0	13.80	AV	34.00	100	Horizontal	Pass

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

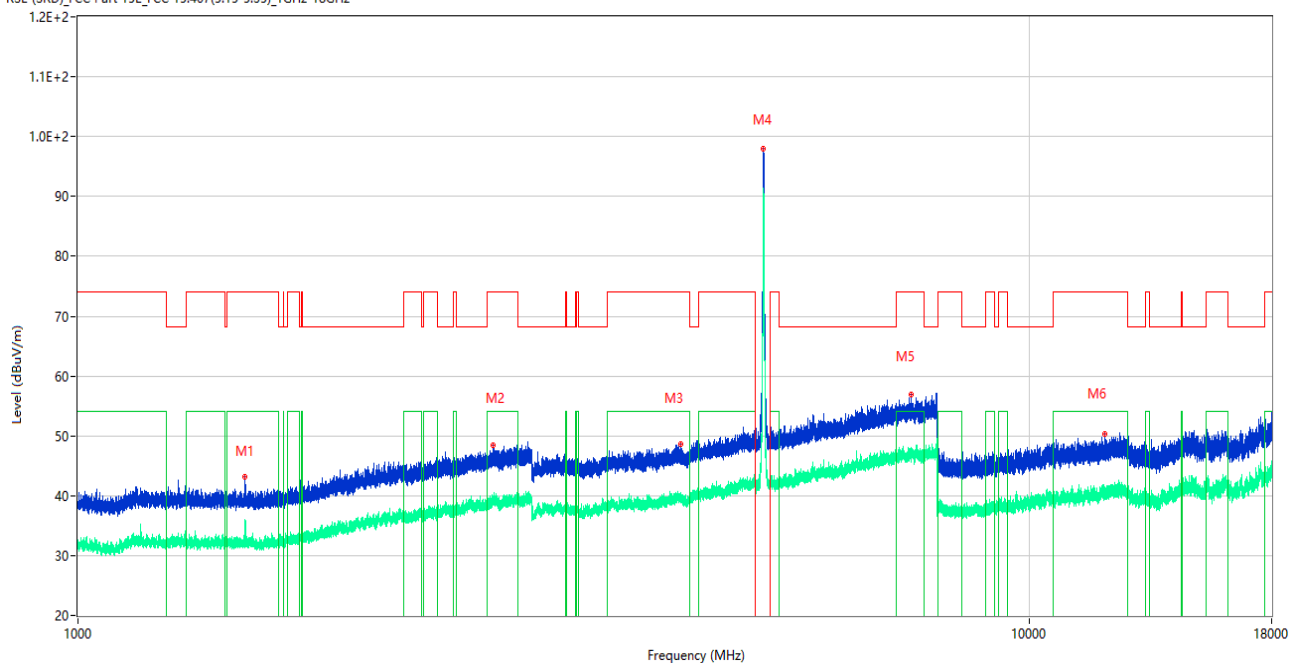
RSE (SRD)_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.600	43.92	-14.53	74.0	30.08	Peak	150.00	200	Vertical	Pass
1**	1332.600	36.19	-14.53	54.0	17.81	AV	150.00	200	Vertical	Pass
2	2858.700	48.69	-6.13	74.0	25.31	Peak	359.00	300	Vertical	Pass
2**	2858.700	39.70	-6.13	54.0	14.30	AV	359.00	300	Vertical	Pass
3	4221.250	48.66	-4.54	74.0	25.34	Peak	358.00	200	Vertical	Pass
3**	4221.250	39.56	-4.54	54.0	14.44	AV	358.00	200	Vertical	Pass
4	5219.500	98.11	-3.23	--	--	Peak	57.00	100	Vertical	N/A
4**	5219.500	90.13	-3.23	--	--	AV	57.00	100	Vertical	N/A
5	7614.750	56.16	3.07	74.0	17.84	Peak	57.00	200	Vertical	Pass
5**	7614.750	47.21	3.07	54.0	6.79	AV	57.00	200	Vertical	Pass
6	11678.638	50.14	2.06	74.0	23.86	Peak	287.00	400	Vertical	Pass
6**	11678.638	39.18	2.06	54.0	14.82	AV	287.00	400	Vertical	Pass

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

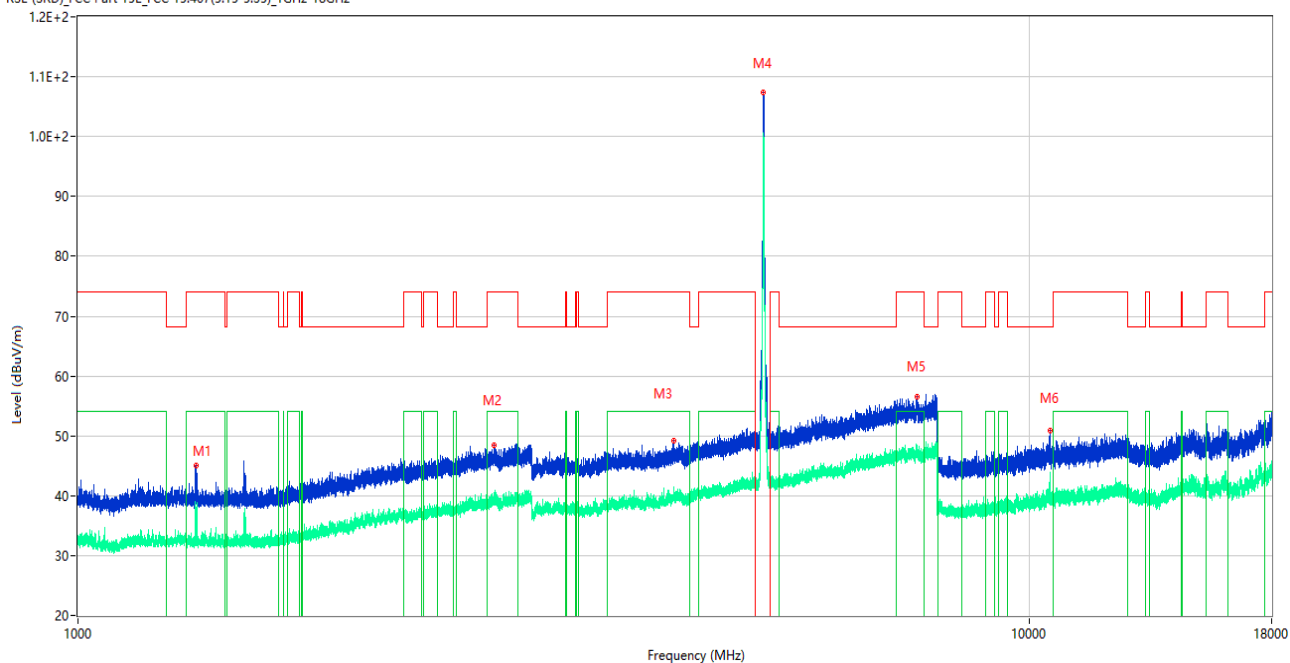
RSE (SRD)_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1496.700	43.09	-14.65	74.0	30.91	Peak	347.00	400	Horizontal	Pass
1**	1496.700	31.86	-14.65	54.0	22.14	AV	347.00	400	Horizontal	Pass
2	2732.100	48.44	-6.41	74.0	25.56	Peak	31.00	300	Horizontal	Pass
2**	2732.100	39.05	-6.41	54.0	14.95	AV	31.00	300	Horizontal	Pass
3	4301.000	48.57	-4.78	74.0	25.43	Peak	36.00	200	Horizontal	Pass
3**	4301.000	39.59	-4.78	54.0	14.41	AV	36.00	200	Horizontal	Pass
4	5257.250	97.93	-3.40	--	--	Peak	353.00	300	Horizontal	N/A
4**	5257.250	91.37	-3.40	--	--	AV	353.00	300	Horizontal	N/A
5	7526.000	56.82	2.29	74.0	17.18	Peak	210.00	200	Horizontal	Pass
5**	7526.000	47.08	2.29	54.0	6.92	AV	210.00	200	Horizontal	Pass
6	12030.850	50.40	3.16	74.0	23.60	Peak	3.00	300	Horizontal	Pass
6**	12030.850	40.30	3.16	54.0	13.70	AV	3.00	300	Horizontal	Pass

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

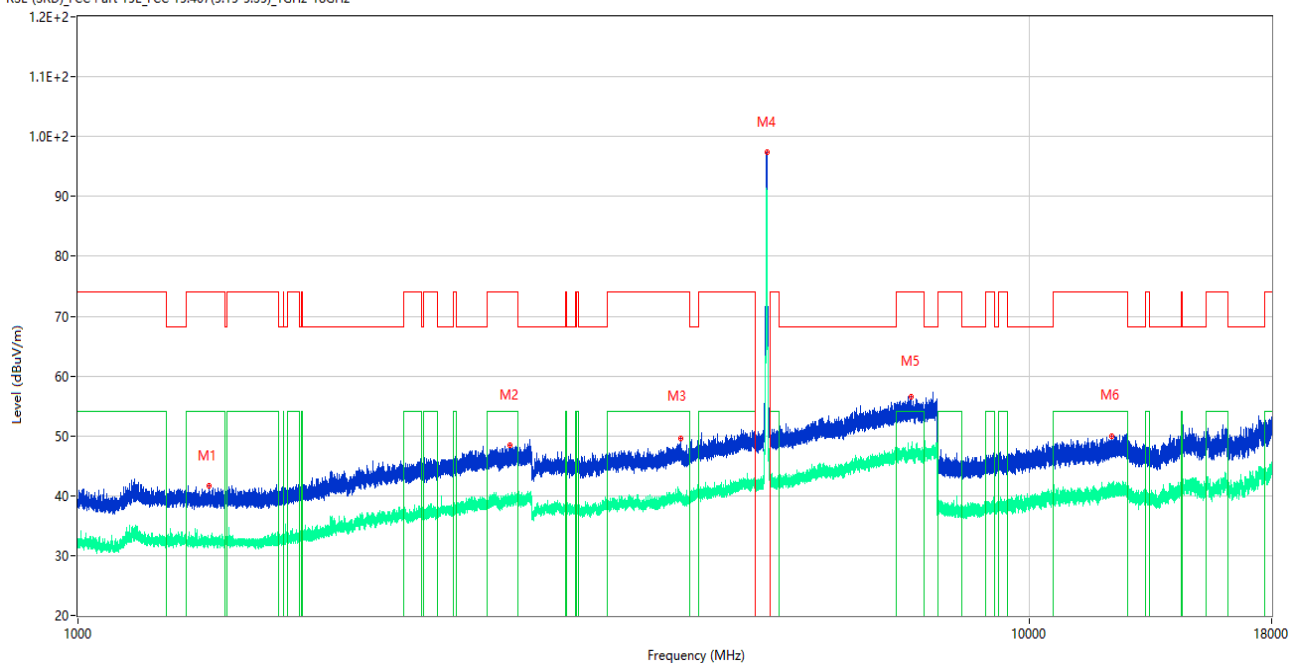
RSE (SRD)_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.900	44.98	-14.47	74.0	29.02	Peak	338.00	200	Vertical	Pass
1**	1330.900	36.46	-14.47	54.0	17.54	AV	338.00	200	Vertical	Pass
2	2741.800	48.42	-6.40	74.0	25.58	Peak	225.00	100	Vertical	Pass
2**	2741.800	39.29	-6.40	54.0	14.71	AV	225.00	100	Vertical	Pass
3	4231.500	49.27	-4.61	74.0	24.73	Peak	149.00	200	Vertical	Pass
3**	4231.500	39.17	-4.61	54.0	14.83	AV	149.00	200	Vertical	Pass
4	5261.250	107.34	-3.45	--	--	Peak	325.00	100	Vertical	N/A
4**	5261.250	98.77	-3.45	--	--	AV	325.00	100	Vertical	N/A
5	7627.000	56.57	2.99	74.0	17.43	Peak	170.00	150	Vertical	Pass
5**	7627.000	47.66	2.99	54.0	6.34	AV	170.00	150	Vertical	Pass
6	10520.350	50.91	1.28	68.2	17.29	Peak	245.00	100	Vertical	Pass
6**	10520.350	41.44	1.28	--	--	AV	245.00	100	Vertical	N/A

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

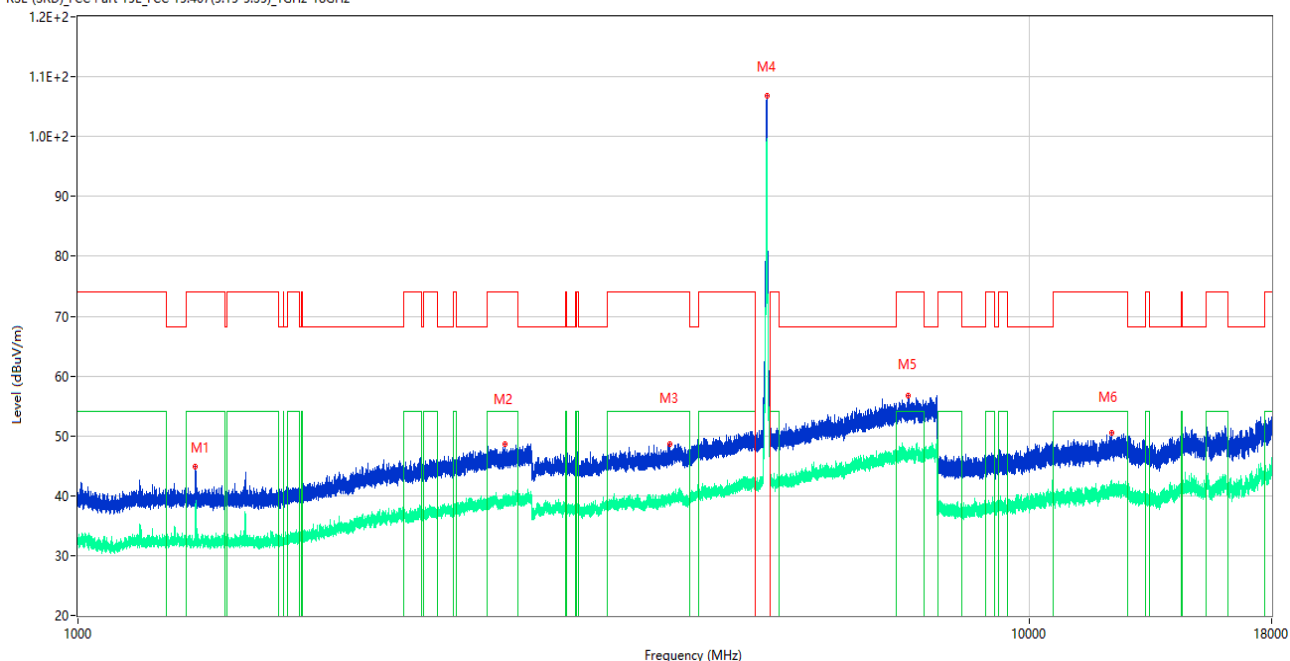
RSE (SRD)_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1374.000	41.75	-14.42	74.0	32.25	Peak	256.00	100	Horizontal	Pass
1**	1374.000	32.74	-14.42	54.0	21.26	AV	256.00	100	Horizontal	Pass
2	2846.700	48.39	-6.76	74.0	25.61	Peak	262.00	300	Horizontal	Pass
2**	2846.700	39.25	-6.76	54.0	14.75	AV	262.00	300	Horizontal	Pass
3	4303.000	49.61	-4.83	74.0	24.39	Peak	44.00	200	Horizontal	Pass
3**	4303.000	39.84	-4.83	54.0	14.16	AV	44.00	200	Horizontal	Pass
4	5303.000	97.45	-3.10	--	--	Peak	348.00	200	Horizontal	N/A
4**	5303.000	90.02	-3.10	--	--	AV	348.00	200	Horizontal	N/A
5	7518.750	56.54	2.16	74.0	17.46	Peak	75.00	150	Horizontal	Pass
5**	7518.750	46.25	2.16	54.0	7.75	AV	75.00	150	Horizontal	Pass
6	12210.875	49.94	3.75	74.0	24.06	Peak	302.00	100	Horizontal	Pass
6**	12210.875	40.71	3.75	54.0	13.29	AV	302.00	100	Horizontal	Pass

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

RSE (SRD)_FCC Part 15E_FCC 15.407(5.15-5.35)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.300	44.87	-14.38	74.0	29.13	Peak	284.00	400	Vertical	Pass
1**	1329.300	35.04	-14.38	54.0	18.96	AV	284.00	400	Vertical	Pass
2	2813.300	48.62	-6.69	74.0	25.38	Peak	0.00	100	Vertical	Pass
2**	2813.300	39.16	-6.69	54.0	14.84	AV	0.00	100	Vertical	Pass
3	4189.000	48.69	-5.05	74.0	25.31	Peak	192.00	150	Vertical	Pass
3**	4189.000	38.83	-5.05	54.0	15.17	AV	192.00	150	Vertical	Pass
4	5302.500	106.79	-3.13	--	--	Peak	315.00	400	Vertical	N/A
4**	5302.500	99.72	-3.13	--	--	AV	315.00	400	Vertical	N/A
5	7461.000	56.66	2.07	74.0	17.34	Peak	182.00	200	Vertical	Pass
5**	7461.000	46.72	2.07	54.0	7.28	AV	182.00	200	Vertical	Pass
6	12216.575	50.48	3.73	74.0	23.52	Peak	116.00	300	Vertical	Pass
6**	12216.575	40.13	3.73	54.0	13.87	AV	116.00	300	Vertical	Pass