

FCC

RF

TEST REPORT

ISSUED BY
Shenzhen BALUN Technology Co., Ltd.



FOR
Tablet

ISSUED TO
Evoo Products Company, LLC

2651 Fairfax Avenue Culver City, CA 90232



Tested by:

Heng Aiping
(Engineer)

Date

Oct-18, 2019

Approved by:

Wei Yanquan
(Chief Engineer)

Date

Oct-28, 2019

Report No.: BL-SZ1970050-603

EUT Name: Tablet

Model Name: EV-A-81-8-2 (refer section 2.4)

Brand Name: EVOO

Test Standard: 47 CFR Part 15 Subpart C

FCC ID: 2ATQQEV-A-81-8-2

Test Conclusion: Pass

Test Date: Jul. 23, 2019 ~ Oct. 11, 2019

Date of Issue: Oct. 28, 2019

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Revision History

Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>Oct. 28, 2019</u>	<u>Initial Issue</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
Accreditation Certificate	The laboratory has been listed by Industry Canada to perform electromagnetic emission measurements. The recognition numbers of test site are 11524A-1. The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196. The laboratory is a testing organization accredited by American Association for Laboratory Accreditation(A2LA) according to ISO/IEC 17025.The accreditation certificate is 4344.01. The laboratory is a testing organization accredited by China National Accreditation Service for Conformity Assessment (CNAS) according to ISO/IEC 17025. The accreditation certificate number is L6791.
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 v6.4.
- (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.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Evoo Products Company, LLC
Address	2651 Fairfax Avenue Culver City, CA 90232

2.2 Manufacturer Information

Manufacturer	HeYuan Vastking Electronic Co.,Ltd.
Address	No.13, Hepu Road, Yuancheng, Heyuan, Guangdong

2.3 Factory Information

Factory	HeYuan Vastking Electronic Co.,Ltd.
Address	No.13, Hepu Road, Yuancheng, Heyuan, Guangdong

2.4 General Description for Equipment under Test (EUT)

EUT Name	Tablet																			
Model Name Under Test	EV-A-81-8-2																			
Series Model Name	EV-A-81-8-2-BK, EV-A-81-8-2-BL, EV-A-81-8-2-PK, EV-A-101-3, EV-A-101-3-BK, EV-A-101-3-BL, EV-A-101-3-PK, EV-A-101-3-BKKB, EV-A-101-3-BLKB, EV-A-101-3-PKKB, EV-A-116-1, EV-A-116-1-BK, EV-A-116-1-BL, EV-A-116-1-PK, EV-A-116-1-BKKB, EV-A-116-1-BLKB, EV-A-116-1-PKKB																			
Description of Model name differentiation	1, EV-A-81-8-2, EV-A-81-8-2-BK, EV-A-81-8-2-BL, EV-A-81-8-2-PK means different colors, 2, EV-A-101-3, EV-A-101-3-BK, EV-A-101-3-BL, EV-A-101-3-PK means different colors 3, EV-A-116-1, EV-A-116-1-BK, EV-A-116-1-BL, EV-A-116-1-PK means different colors 4, EV-A-101-3-BKKB, EV-A-101-3-BLKB, EV-A-101-3-PKKB with a keyboard 5, EV-A-116-1-BKKB, EV-A-116-1-BLKB, EV-A-116-1-PKKB with a keyboard 6, EV-A-81-8-2 , EV-A-101-3, EV-A-116-1 have different as below: <table><tr><td>Model</td><td>Size</td><td>Battery Model</td><td>Adapter model</td></tr><tr><td>EV-A-81-8-2</td><td>8 inch</td><td>30100105</td><td>NA010050020</td></tr><tr><td>EV-A-101-3</td><td>10.1 inch</td><td>3060145-2P</td><td>NA010050020</td></tr><tr><td>EV-A-116-1</td><td>11.5 inch</td><td>3082120-2P</td><td>SAW20-050-2500UB</td></tr></table>				Model	Size	Battery Model	Adapter model	EV-A-81-8-2	8 inch	30100105	NA010050020	EV-A-101-3	10.1 inch	3060145-2P	NA010050020	EV-A-116-1	11.5 inch	3082120-2P	SAW20-050-2500UB
Model	Size	Battery Model	Adapter model																	
EV-A-81-8-2	8 inch	30100105	NA010050020																	
EV-A-101-3	10.1 inch	3060145-2P	NA010050020																	
EV-A-116-1	11.5 inch	3082120-2P	SAW20-050-2500UB																	
Hardware Version	R863H REV: 2.0																			
Software Version	Android 8.1																			
Dimensions (Approx.)	N/A																			
Weight (Approx.)	N/A																			

2.5 Technical Information

Network and Wireless connectivity	Bluetooth 4.2 (BR+EDR+BLE) WIFI 802.11b, 802.11g, 802.11n(HT20/40)
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The requirement for the following technical information of the EUT was tested in this report:

Frequency Range	802.11b/g/n(20 MHz): 2.412 GHz - 2.462 GHz $f_c = 2412 \text{ MHz} + (N-1)*5 \text{ MHz}$, where - f_c = "Operating Frequency" in MHz, - N = "Channel Number" with the range from 1 to 11. 802.11n(40 MHz): 2.422 GHz - 2.452 GHz $f_c = 2412 \text{ MHz} + (N-1)*5 \text{ MHz}$, where - f_c = "Operating Frequency" in MHz, - N = "Channel Number" with the range from 3 to 9.
Modulation Type	DSSS, OFDM
Product Type	☐ Mobile ☒ Portable ☐ Fix Location
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	PIFA Antenna
Antenna Gain	0.95 dBi
About the Product	Only the WIFI 802.11b, 802.11g and 802.11n (HT20/40) was tested in this report.

Modulation technology	Modulation Type	Transfer Rate (Mbps)
DSSS (802.11b)	DBPSK	1
	DQPSK	2
	CCK	5.5/ 11
OFDM (802.11g)	BPSK	6 / 9
	QPSK	12 / 18
	16QAM	24 / 36
	64QAM	48 / 54
OFDM (802.11n-20MHz)	BPSK	6.5
	QPSK	13/19.5
	16QAM	26/39
	64QAM	52/58.5/65
OFDM (802.11n-40MHz)	BPSK	13.5
	QPSK	27/40.5
	16QAM	54/81/108
	64QAM	121.5/135

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	Channel	
Output Power	11b/11g/11n20/11n40	1/6/6.5/13.5 Mbps	1/6/11	3/6/9
6dB Bandwidth	11b/11g/11n20/11n40	1/6/6.5/13.5 Mbps	1/6/11	3/6/9
Conducted Spurious Emission	11b/11g/11n20/11n40	1/6/6.5/13.5 Mbps	1/6/11	3/6/9
Conducted Emission	11b/11g/11n20/11n40	1/6/6.5/13.5 Mbps	1/6/11	3/6/9
Radiated Spurious Emission	11b/11g/11n20/11n40	1/6/6.5/13.5 Mbps	1/6/11	3/6/9
Band Edge	11b/11g/11n20/11n40	1/6/6.5/13.5 Mbps	1/6/11	3/6/9
Power spectral density (PSD)	11b/11g/11n20/11n40	1/6/6.5/13.5 Mbps	1/6/11	3/6/9

Note: The above EUT information in section 2.4 and 2.6 was declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.

2.6 Additional Instructions

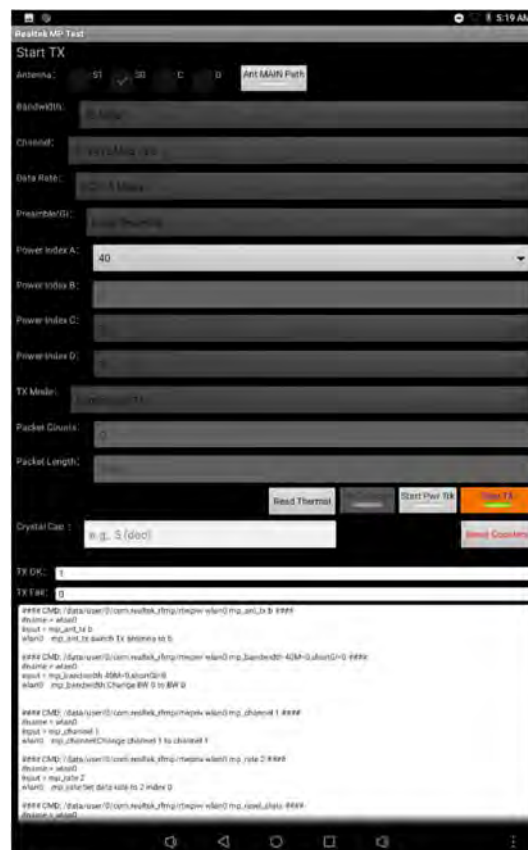
EUT Software Settings:

Mode	☒ Special software is used. The software provided by client to enable the EUT under transmission condition continuously at specific channel frequencies individually.
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During testing, Channel and Power Controlling Software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product.

Power level setup in software				
Test Software Version	WLAN Test			
Mode	Channel	Soft Set		
		8 inch	10.1 inch	11.5 inch
802.11 b	All	40	40	40
802.11 g	All	44	46	46
802.11 n20	All	43	44	44
802.11 n40	All	42	44	44

Run software:



3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15, Subpart C	Miscellaneous Wireless Communications Services
2	KDB Publication 558074 D01v05r02	GUIDANCE FOR COMPLIANCE MEASUREMENTS ON DIGITAL TRANSMISSION SYSTEM, FREQUENCY HOPPING SPREAD SPECTRUM SYSTEM, AND HYBRID SYSTEM DEVICES OPERATING UNDER SECTION 15.247 OF THE FCC RULES
3	KDB Publication 662911 D01v02r01	Emissions Testing of Transmitters with Multiple Outputs in the Same Band (e.g., MIMO, Smart Antenna, etc)
4	ANSI C63.10-2013	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices

3.2 Verdict

No.	Description	FCC PART No.	Test Result	Verdict
1	Antenna Requirement	15.203; 15.247(b)	N/A	Pass ^{Note 1}
2	Output Power	15.247(b)	ANNEX A.1	Pass
3	6dB Bandwidth	15.247(a)	ANNEX A.2	Pass
4	Conducted Spurious Emission	15.247(d)	ANNEX A.3	Pass
5	Band Edge(Authorized-band band-edge)	15.209; 15.247(d)	ANNEX A.4	Pass
6	Conducted Emission	15.207	ANNEX A.5	Pass
7	Radiated Spurious Emission	15.209; 15.247(d)	ANNEX A.6	Pass
8	Band Edge(Restricted-band band-edge)	15.209; 15.247(d)	ANNEX A.7	Pass
9	Power spectral density (PSD)	15.247(e)	ANNEX A.8	Pass
10	Receiver Spurious Emissions	N/A	N/A	N/A ^{Note 2}

Note ¹: Please refer to section 5.1.

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

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

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

Relative Humidity	45% - 55%	
Atmospheric Pressure	100 kPa - 102 kPa	
Temperature	NT (Normal Temperature)	+22°C to +25°C
Working Voltage of the EUT	NV (Normal Voltage)	3.8 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-30	103118	2019.06.13	2020.06.12
Switch Unit with OSP-B157	ROHDE&SCHWARZ	OSP120	101270	2019.06.13	2020.06.12
EMI Receiver	KEYSIGHT	N9038A	MY53220118	2018.11.07	2019.11.06
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2019.06.13	2020.06.12
LISN	SCHWARZBECK	NSLK 8127	8127-687	2019.06.13	2020.06.12
Bluetooth Tester	ROHDE&SCHWARZ	CBT	101005	2019.06.15	2020.06.14
Power Splitter	KMW	DCPD-LDC	1305003215	--	--
Power Sensor	ROHDE&SCHWARZ	NRP-Z21	103971	2019.06.15	2020.06.14
Attenuator (20 dB)	KMW	ZA-S1-201	110617091	--	--
Attenuator (6 dB)	KMW	ZA-S1-61	1305003189	--	--
DC Power Supply	ROHDE&SCHWARZ	HMP2020	018141664	2019.06.14	2020.06.13
Temperature Chamber	AHK	SP20	1412	2019.06.24	2020.06.23
Test Antenna-Loop(9 kHz-30 MHz)	SCHWARZBECK	FMZB 1519	1519-037	2017.11.09	2019.11.08
Test Antenna-Bi-Log(30 MHz-3 GHz)	SCHWARZBECK	VULB 9163	9163-624	2018.08.22	2020.08.21
Test Antenna-Horn(1-18 GHz)	SCHWARZBECK	BBHA 9120D	9120D-1148	2018.07.11	2020.07.10
Test Antenna-Horn (18-40 GHz)	A-INFO	LB-180400KF	J211060273	2019.01.05	2021.01.04
Anechoic Chamber	RAINFORD	9m*6m*6m	N/A	2017.02.21	2020.02.20
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60*7.35m	N/A	2018.07.19	2020.07.18
Shielded Enclosure	ChangNing	CN-130701	130703	--	--
Signal Generator	ROHDE&SCHWARZ	SMB100A	177746	2019.08.23	2020.08.22
Power Amplifier	OPHIR RF	5225F	1037	2019.02.28	2020.02.27
Power Amplifier	OPHIR RF	5273F	1016	2019.02.28	2020.02.27
Directional Coupler	Werlantone	C5982-10	109275	N/A	N/A
Directional Coupler	Werlantone	CHP-273E	S00801z-01	N/A	N/A
Mouth Simulator	B&K	4227	2423931	2018.11.15	2019.11.14
Sound Calibrator	B&K	4231	2430337	2018.11.15	2019.11.14

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Sound Level Meter	B&K	NL-20	00844023	2018.11.15	2019.11.14
Ear Simulator	B&K	4185	2409449	2018.11.15	2019.11.14
Ear Simulator	B&K	4195	2418189	2018.11.15	2019.11.14
Audio analyzer	B&K	UPL 16	100129	2018.11.15	2019.11.14

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	±4%
RF output power, conducted	±1.4 dB
Power Spectral Density, conducted	±2.5 dB
Unwanted Emissions, conducted	±2.8 dB
All emissions, radiated	±5.4 dB
Temperature	±1°C
Humidity	±4%

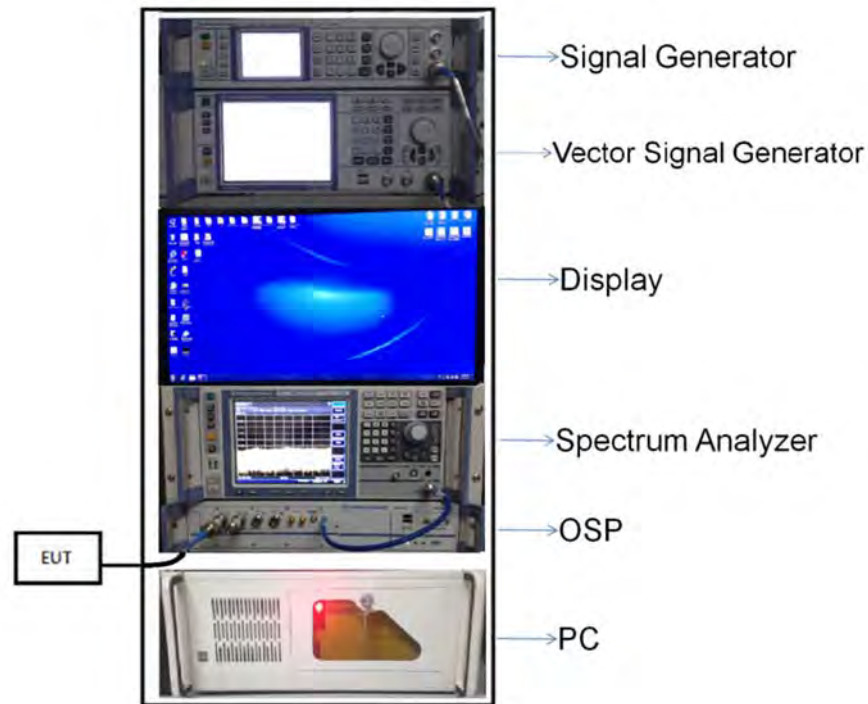
4.4 Description of Test Setup

4.4.1 For Antenna Port Test

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

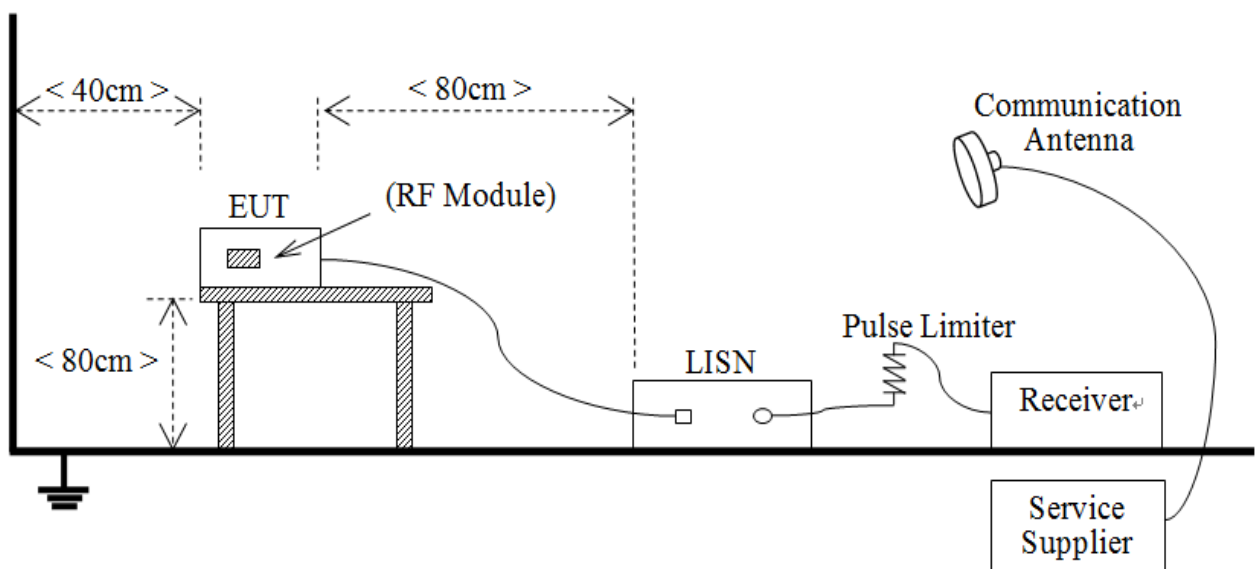
For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

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



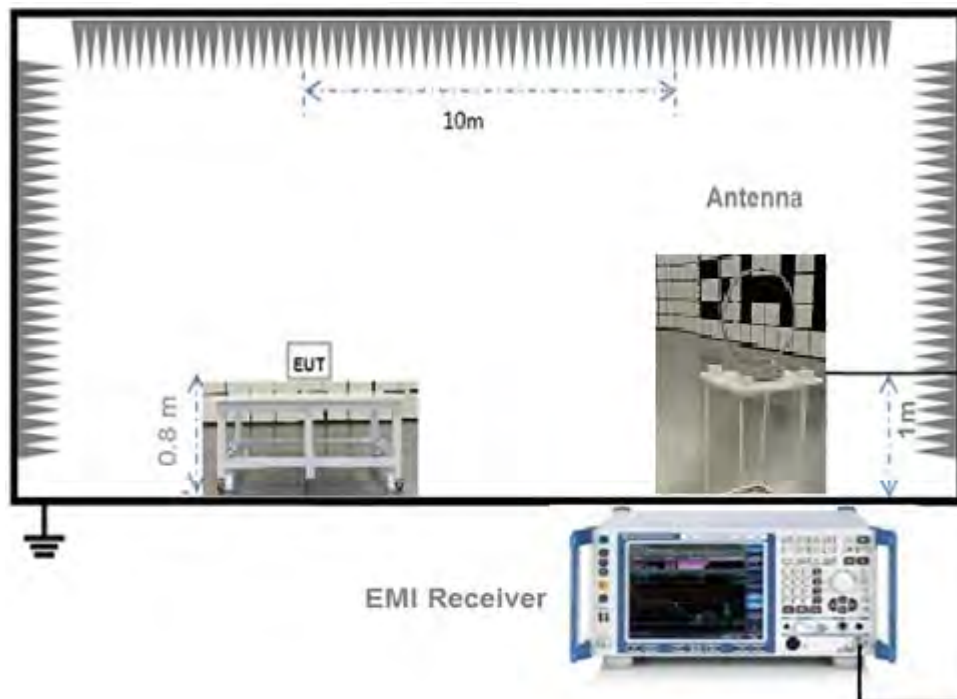
(Diagram 1)

4.4.2 For AC Power Supply Port Test



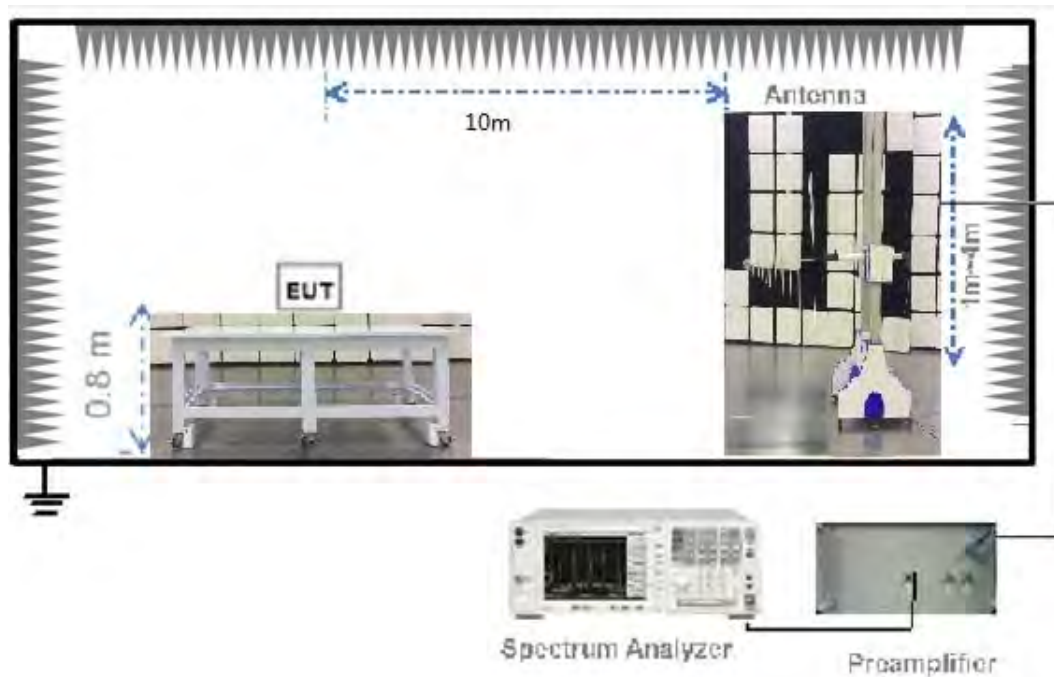
(Diagram 2)

4.4.3 For Radiated Test (Below 30 MHz)



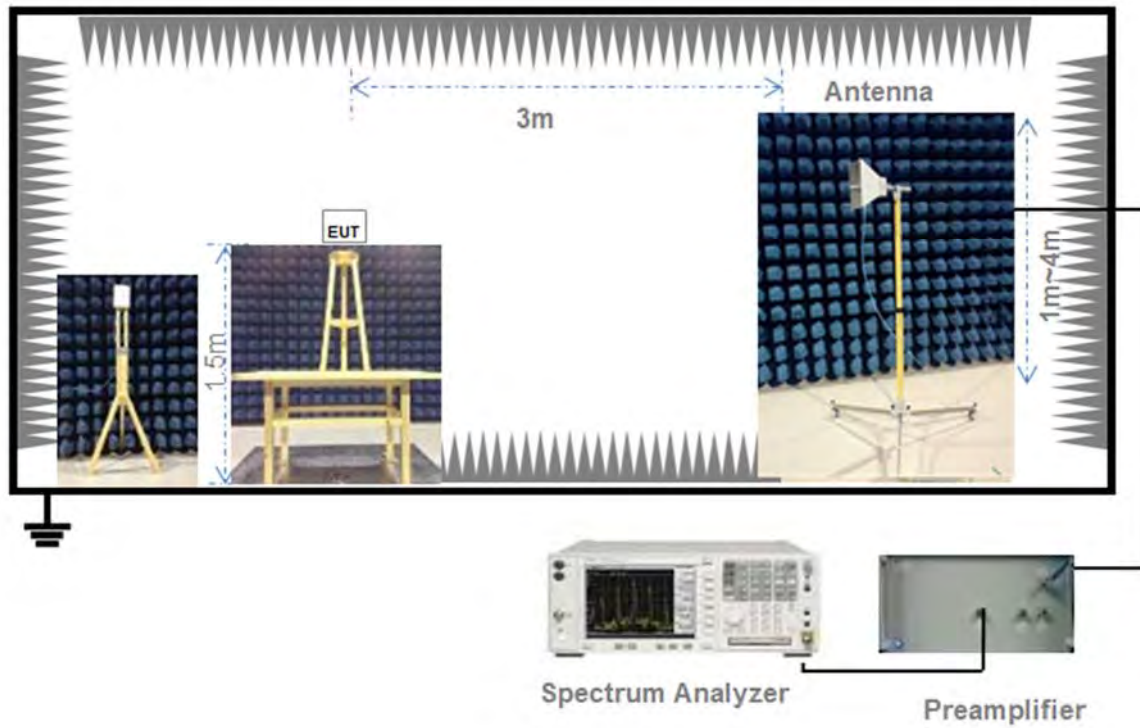
(Diagram 3)

4.4.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.4.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

4.5 Measurement Results Explanation Example

4.5.1 For conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

4.5.2 For radiated band edges and spurious emission test:

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

where:

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

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

EIRP= Measure Conducted output power Value (dBm) + Maximum transmit antenna gain (dBi) + the appropriate maximum ground reflection factor (dB)

5 TEST ITEMS

5.1 Antenna Requirements

5.1.1 Relevant Standards

FCC §15.203 & 15.247(b); RSS-247, 5.4 (f)

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of § 15.211, § 15.213, § 15.217, § 15.219, or § 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

If directional gain of transmitting antennas is greater than 6 dBi, the power shall be reduced by the same level in dB comparing to gain minus 6 dBi. For the fixed point-to-point operation, the power shall be reduced by one dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the FCC rule.

5.1.2 Antenna Anti-Replacement Construction

The Antenna Anti-Replacement as following method:

Protected Method	Description
The antenna is embedded in the product.	An embedded-in antenna design is used.

Reference Documents	Item
Photo	Please refer to the EUT Photo documents.

5.1.3 Antenna Gain

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.

5.2 Output Power

5.2.1 Test Limit

FCC § 15.247(b); RSS-247, 5.4 (d)

For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements.

5.2.2 Test Setup

See section 4.4.1 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.2.3 Test Procedure

Maximum peak conducted output power

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

Maximum conducted (average) output power (Reporting Only)

a) As an alternative to spectrum analyzer or EMI receiver measurements, 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 factor.
- 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 as described in Section 6.0.

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 to the measurement result.

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.)

5.2.4 Test Result

Please refer to ANNEX A.1.

5.36dB Bandwidth

5.3.1 Limit

FCC §15.247(a); RSS-GEN, 6.7

Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. In order to make an accurate measurement, set the span greater than RBW. The 6 dB bandwidth must be greater than 500 kHz.

5.3.2 Test Setup

See section 4.4.1 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.3.3 Test Procedure

Use the following spectrum analyzer settings:

Set RBW = 100 kHz.

Set the video bandwidth (VBW) ≥ 3 RBW.

Detector = Peak.

Trace mode = max hold.

Sweep = auto couple.

Allow the trace to stabilize.

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.

5.3.4 Test Result

Please refer to ANNEX A.2.

5.4 Conducted Spurious Emission

5.4.1 Limit

FCC §15.247(d); RSS-247, 5.5

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

5.4.2 Test Setup

See section 4.4.1 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.4.3 Test Procedure

The DTS rules specify that in any 100 kHz bandwidth outside of the authorized frequency band, the power shall be attenuated according to the following conditions:

- a) If the maximum peak conducted output power procedure was used to demonstrate compliance as described in 9.1, then the peak output power measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz (i.e., 20 dBc).
- b) If maximum conducted (average) output power was used to demonstrate compliance as described in 9.2, then the peak power in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum in-band peak PSD level in 100 kHz (i.e., 30 dBc).
- c) In either case, attenuation to levels below the 15.209 general radiated emissions limits is not required.

The following procedures shall be used to demonstrate compliance to these limits. Note that these procedures can be used in either an antenna-port conducted or radiated test set-up. Radiated tests must conform to the test site requirements and utilize maximization procedures defined herein.

Reference level measurement

Establish a reference level by using the following procedure:

Set instrument center frequency to DTS channel center frequency.

Set the span to ≥ 1.5 times the DTS bandwidth.

Set the RBW = 100 kHz.

Set the VBW $\geq 3 \times$ RBW.

Detector = peak.

Sweep time = auto couple.

Trace mode = max hold.

Allow trace to fully stabilize.

Use the peak marker function to determine the maximum PSD level.

Emission level measurement

Use the following spectrum analyzer settings:

Span = wide enough to capture the peak level of the in-band emission and all spurious emissions (e.g., harmonics) from the lowest frequency generated in the EUT up through the 10th harmonic. Typically, several plots are required to cover this entire span.

Set the RBW = 100 kHz.

Set the VBW $\geq 3 \times$ RBW.

Detector = peak.

Sweep time = auto couple.

Trace mode = max hold.

Allow trace to fully stabilize.

Use the peak marker function to determine the maximum amplitude level.

Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) are attenuated by at least the minimum requirements specified in 11.1 a) or 11.1 b). Report the three highest emissions relative to the limit.

5.4.4 Test Result

Please refer to ANNEX A.3.

5.5 Band Edge (Authorized-band band-edge)

5.5.1 Limit

FCC §15.247(d); RSS-GEN, 8.9, RSS-247, 5.5

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

5.5.2 Test Setup

See section 4.4.1 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.5.3 Test Procedure

The following procedures may be used to determine the peak or average field strength or power of an unwanted emission that is within 2 MHz of the authorized band edge. If a peak detector is utilized, use the procedure described in 13.2.1. Use the procedure described in 13.2.2 when using an average detector and the EUT can be configured to transmit continuously (i.e., duty cycle $\geq 98\%$). Use the procedure described in 13.2.3 when using an average detector and the EUT cannot be configured to transmit continuously but the duty cycle is constant (i.e., duty cycle variations are less than ± 2 percent). Use the procedure described in 13.2.4 when using an average detector for those cases where the EUT cannot be configured to transmit continuously and the duty cycle is not constant (duty cycle variations equal or exceed 2 percent).

When using a peak detector to measure unwanted emissions at or near the band edge (within 2 MHz of the authorized band), the following integration procedure can be used.

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

Set span to 2 MHz

RBW = 100 kHz.

VBW $\geq 3 \times$ RBW.

Detector = peak.

Sweep time = auto.

Trace mode = max hold.

Allow sweep to continue until the trace stabilizes (required measurement time may increase for low duty cycle applications)

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

Standard method(The 99% OBW of the fundamental emission is without 2 MHz of the authorized band):

Span: Wide enough to capture the peak level of the emission operating on the channel closest to the band edge, as well as any modulation products that fall outside of the authorized band of operation.

Reference level: As required to keep the signal from exceeding the maximum instrument input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than $[10 \log (OBW/RBW)]$ below the reference level. Specific guidance is given in 4.1.5.2.

Attenuation: Auto (at least 10 dB preferred).

Sweep time: Coupled.

Resolution bandwidth: 100 kHz.

Video bandwidth: 300 kHz.

Detector: Peak.

Trace: Max hold.

5.5.4 Test Result

Please refer to ANNEX A.4.

5.6 Conducted Emission

5.6.1 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 band 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

5.6.2 Test Setup

See section 4.4.2 for test setup description for the AC power supply port. The photo of test setup please refer to ANNEX B.

5.6.3 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.

Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 50/60 Hz and 240 VAC, 50/60 Hz) for which the device is capable of operation. A device rated for 50/60 Hz operation need not be tested at both frequencies provided the radiated and line conducted emissions are the same at both frequencies.

5.6.4 Test Result

Please refer to ANNEX A.5.

5.7 Radiated Spurious Emission

5.7.1 Limit

FCC §15.209&15.247(c); RSS-247, 5.5

Radiated emission outside the frequency band attenuation below the general limits specified in FCC section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in FCC section 15.205(a), must also comply with the radiated emission limits specified in FCC section 15.209(a).

According to FCC section 15.209 (a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

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

Note:

1. For Above 1000 MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit.
2. For above 1000 MHz, limit field strength of harmonics: 54dBuV/m@3m (AV) and 74dBuV/m@3m (PK).

5.7.2 Test Setup

See section 4.4.3 to 4.4.5 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.7.3 Test Procedure

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

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

General Procedure for conducted measurements in restricted bands

- a) Measure the conducted output power (in dBm) using the detector specified (see guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).

- b) Add the maximum transmit antenna gain (in dBi) to the measured output power level to determine the EIRP level (see guidance on determining the applicable antenna gain)
- c) Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies ≤ 30 MHz, 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive and 0 dB for frequencies > 1000 MHz).
- d) For devices with multiple antenna-ports, measure the power of each individual chain and sum the EIRP of all chains in linear terms (e.g., Watts, mW).
- e) Convert the resultant EIRP level to an equivalent electric field strength using the following relationship:

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

where:

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

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

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

Quasi-Peak measurement procedure

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

As an alternative to CISPR quasi-peak measurement, compliance can be demonstrated to the applicable emission limits using a peak detector.

Peak power measurement procedure

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

- a) RBW = as specified in Table 1.
- b) VBW $\geq 3 \times$ 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

5.7.4 Test Result

Please refer to ANNEX A.6.

5.8 Band Edge (Restricted-band band-edge)

5.8.1 Limit

FCC §15.209&15.247(c); RSS-247, 5.5

Radiated emission outside the frequency band attenuation below the general limits specified in FCC section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in FCC section 15.205(a), must also comply with the radiated emission limits specified in FCC section 15.209(a).

5.8.2 Test Setup

See section 4.4.1 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.8.3 Test Procedure

The measurement frequency range is from 9 kHz 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

For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported, Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

For transmitters operating above 1 GHz repeat the measurement with an average detector.

5.8.4 Test Result

Please refer to ANNEX A.7.

5.9 Power Spectral density (PSD)

5.9.1 Limit

FCC §15.247(d); RSS-247, 5.2 (b)

The same method of determining the conducted output power shall be used to determine the power spectral density. If a peak output power is measured, then a peak power spectral density measurement is required. If an average output power is measured, then an average power spectral density measurement should be used.

5.9.2 Test Setup

See section 4.4.1 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.9.3 Test Procedure

Set analyzer center frequency to DTS channel center frequency.

Set the span to 1.5 times the DTS bandwidth.

Set the RBW to: $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.

Set the VBW $\geq 3 \text{ RBW}$.

Detector = peak.

Sweep time = auto couple.

Trace mode = max hold.

Allow trace to fully stabilize.

Use the peak marker function to determine the maximum amplitude level within the RBW.

If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

5.9.4 Test Result

Please refer to ANNEX A.8.

ANNEX A TEST RESULT

A.1 Output Power

Duty Cycle

8 inch

Test Mode	Duty Cycle	T (ms)	1/T(kHz)
802.11b	98.10%	12.3214	0.08
802.11g	94.87%	2.05556	0.49
802.11n-20 MHz	92.89%	1.89923	0.53
802.11n-40 MHz	89.13%	0.93864	1.07

10.1 inch

Test Mode	Duty Cycle	T (ms)	1/T(kHz)
802.11b	97.81%	12.3188	0.08
802.11g	92.50%	2.05555	0.49
802.11n-20 MHz	94.06%	1.90741	0.52
802.11n-40 MHz	91.87%	0.94117	1.06

11.5 inch

Test Mode	Duty Cycle	T (ms)	1/T(kHz)
802.11b	98.28%	12.3913	0.08
802.11g	93.66%	2.0513	0.49
802.11n-20 MHz	91.00%	1.90477	0.52
802.11n-40 MHz	92.63%	0.94101	1.06

Peak Power Test Data

8 inch

802.11b Mode:

Channel	Measured Output Peak Power		Limit		Verdict
	dBm	mW	dBm	mW	
Low	18.52	71.12	30	1000	Pass
Middle	18.85	76.74			Pass
High	17.93	62.09			Pass

802.11g Mode:

Channel	Measured Output Peak Power		Limit		Verdict
	dBm	mW	dBm	mW	
Low	19.19	82.99	30	1000	Pass
Middle	19.36	86.30			Pass
High	18.90	77.62			Pass

802.11n-20 MHz Mode:

Channel	Measured Output Peak Power		Limit		Verdict
	dBm	mW	dBm	mW	
Low	18.60	72.44	30	1000	Pass
Middle	18.57	71.94			Pass
High	18.31	67.76			Pass

802.11n-40 MHz Mode:

Channel	Measured Output Peak Power		Limit		Verdict
	dBm	mW	dBm	mW	
Low	17.95	62.37	30	1000	Pass
Middle	18.03	63.53			Pass
High	17.82	60.53			Pass

10.1 inch

802.11b Mode:

Channel	Measured Output Peak Power		Limit		Verdict
	dBm	mW	dBm	mW	
Low	17.71	59.02	30	1000	Pass
Middle	17.04	50.58			Pass
High	16.69	46.67			Pass

802.11g Mode:

Channel	Measured Output Peak Power		Limit		Verdict
	dBm	mW	dBm	mW	
Low	19.11	81.47	30	1000	Pass
Middle	19.39	86.90			Pass
High	18.98	79.07			Pass

802.11n-20 MHz Mode:

Channel	Measured Output Peak Power		Limit		Verdict
	dBm	mW	dBm	mW	
Low	18.28	67.30	30	1000	Pass
Middle	17.87	61.24			Pass
High	18.32	67.92			Pass

802.11n-40 MHz Mode:

Channel	Measured Output Peak Power		Limit		Verdict
	dBm	mW	dBm	mW	
Low	19.11	81.47	30	1000	Pass
Middle	18.39	69.02			Pass
High	18.22	66.37			Pass

11.5 inch

802.11b Mode:

Channel	Measured Output Peak Power		Limit		Verdict
	dBm	mW	dBm	mW	
Low	16.79	47.75	30	1000	Pass
Middle	16.55	45.19			Pass
High	16.82	48.08			Pass

802.11g Mode:

Channel	Measured Output Peak Power		Limit		Verdict
	dBm	mW	dBm	mW	
Low	18.79	75.68	30	1000	Pass
Middle	18.68	73.79			Pass
High	18.87	77.09			Pass

802.11n-20 MHz Mode:

Channel	Measured Output Peak Power		Limit		Verdict
	dBm	mW	dBm	mW	
Low	17.82	60.53	30	1000	Pass
Middle	17.69	58.75			Pass
High	17.90	61.66			Pass

802.11n-40 MHz Mode:

Channel	Measured Output Peak Power		Limit		Verdict
	dBm	mW	dBm	mW	
Low	17.73	59.29	30	1000	Pass
Middle	17.60	57.54			Pass
High	17.80	60.26			Pass

Average Power Test Data

8 inch

802.11b Mode:

Channel	Measured Output Average Power		Limit		Verdict
	dBm	mW	dBm	mW	
Low	15.30	33.91	30	1000	Pass
Middle	15.76	37.70			Pass
High	14.70	29.53			Pass

802.11g Mode:

Channel	Measured Output Average Power		Limit		Verdict
	dBm	mW	dBm	mW	
Low	10.95	12.44	30	1000	Pass
Middle	11.26	13.36			Pass
High	10.68	11.69			Pass

802.11n-20 MHz Mode:

Channel	Measured Output Average Power		Limit		Verdict
	dBm	mW	dBm	mW	
Low	10.34	10.82	30	1000	Pass
Middle	10.47	11.14			Pass
High	9.98	9.95			Pass

802.11n-40 MHz Mode:

Channel	Measured Output Average Power		Limit		Verdict
	dBm	mW	dBm	mW	
Low	9.68	9.29	30	1000	Pass
Middle	9.73	9.40			Pass
High	9.46	8.83			Pass

10.1 inch

802.11b Mode:

Channel	Measured Output Average Power		Limit		Verdict
	dBm	mW	dBm	mW	
Low	14.64	29.08	30	1000	Pass
Middle	13.90	24.52			Pass
High	13.40	21.86			Pass

802.11g Mode:

Channel	Measured Output Average Power		Limit		Verdict
	dBm	mW	dBm	mW	
Low	10.98	12.53	30	1000	Pass
Middle	11.35	13.64			Pass
High	10.81	12.05			Pass

802.11n-20 MHz Mode:

Channel	Measured Output Average Power		Limit		Verdict
	dBm	mW	dBm	mW	
Low	10.13	10.29	30	1000	Pass
Middle	9.69	9.30			Pass
High	10.10	10.22			Pass

802.11n-40 MHz Mode:

Channel	Measured Output Average Power		Limit		Verdict
	dBm	mW	dBm	mW	
Low	10.67	11.66	30	1000	Pass
Middle	10.02	10.04			Pass
High	9.72	9.37			Pass

11.5 inch

802.11b Mode:

Channel	Measured Output Average Power		Limit		Verdict
	dBm	mW	dBm	mW	
Low	13.70	23.42	30	1000	Pass
Middle	13.32	21.46			Pass
High	13.49	22.31			Pass

802.11g Mode:

Channel	Measured Output Average Power		Limit		Verdict
	dBm	mW	dBm	mW	
Low	10.72	11.82	30	1000	Pass
Middle	10.47	11.15			Pass
High	10.69	11.73			Pass

802.11n-20 MHz Mode:

Channel	Measured Output Average Power		Limit		Verdict
	dBm	mW	dBm	mW	
Low	9.78	9.51	30	1000	Pass
Middle	9.55	9.02			Pass
High	9.77	9.48			Pass

802.11n-40 MHz Mode:

Channel	Measured Output Average Power		Limit		Verdict
	dBm	mW	dBm	mW	
Low	9.24	8.40	30	1000	Pass
Middle	9.11	8.15			Pass
High	9.19	8.30			Pass

A.2 Bandwidth

Test Data

8 inch

802.11b Mode:

Channel	6 dB Bandwidth (MHz)	99% Bandwidth (MHz)	6 dB Bandwidth Limits (kHz)
Low	8.660889	13.719247	≥ 500
Middle	9.161621	13.719247	≥ 500
High	9.161621	13.719247	≥ 500

802.11g Mode:

Channel	6 dB Bandwidth (MHz)	99% Bandwidth (MHz)	6 dB Bandwidth Limits (kHz)
Low	16.470703	17.366136	≥ 500
Middle	16.470703	17.539797	≥ 500
High	16.470703	17.539797	≥ 500

802.11n-20MHz Mode:

Channel	6 dB Bandwidth (MHz)	99% Bandwidth (MHz)	6 dB Bandwidth Limits (kHz)
Low	17.671875	18.408104	≥ 500
Middle	17.671875	18.292330	≥ 500
High	17.671875	18.234443	≥ 500

802.11n-40MHz Mode:

Channel	6 dB Bandwidth (MHz)	99% Bandwidth (MHz)	6 dB Bandwidth Limits (kHz)
Low	35.572266	36.300000	≥ 500
Middle	35.271973	36.200000	≥ 500
High	35.622314	36.200000	≥ 500

10.1 inch

802.11b Mode:

Channel	6 dB Bandwidth (MHz)	99% Bandwidth (MHz)	6 dB Bandwidth Limits (kHz)
Low	9.161621	13.719247	≥ 500
Middle	9.161621	13.777135	≥ 500
High	8.610840	13.835022	≥ 500

802.11g Mode:

Channel	6 dB Bandwidth (MHz)	99% Bandwidth (MHz)	6 dB Bandwidth Limits (kHz)
Low	16.470703	17.481910	≥ 500
Middle	16.470703	17.597685	≥ 500
High	16.470703	17.597685	≥ 500

802.11n-20MHz Mode:

Channel	6 dB Bandwidth (MHz)	99% Bandwidth (MHz)	6 dB Bandwidth Limits (kHz)
Low	17.671875	18.350217	≥ 500
Middle	17.671875	18.523878	≥ 500
High	17.671875	18.523878	≥ 500

802.11n-40MHz Mode:

Channel	6 dB Bandwidth (MHz)	99% Bandwidth (MHz)	6 dB Bandwidth Limits (kHz)
Low	35.572266	36.300000	≥ 500
Middle	35.872559	36.300000	≥ 500
High	35.772461	36.300000	≥ 500

11.5 inch

802.11b Mode:

Channel	6 dB Bandwidth (MHz)	99% Bandwidth (MHz)	6 dB Bandwidth Limits (kHz)
Low	8.660889	13.777135	≥ 500
Middle	9.161621	13.835022	≥ 500
High	9.111572	13.835022	≥ 500

802.11g Mode:

Channel	6 dB Bandwidth (MHz)	99% Bandwidth (MHz)	6 dB Bandwidth Limits (kHz)
Low	16.470703	17.424023	≥ 500
Middle	16.470703	17.655572	≥ 500
High	16.470703	17.539797	≥ 500

802.11n-20MHz Mode:

Channel	6 dB Bandwidth (MHz)	99% Bandwidth (MHz)	6 dB Bandwidth Limits (kHz)
Low	17.671875	18.581766	≥ 500
Middle	17.671875	18.408104	≥ 500
High	17.671875	18.465991	≥ 500

802.11n-40MHz Mode:

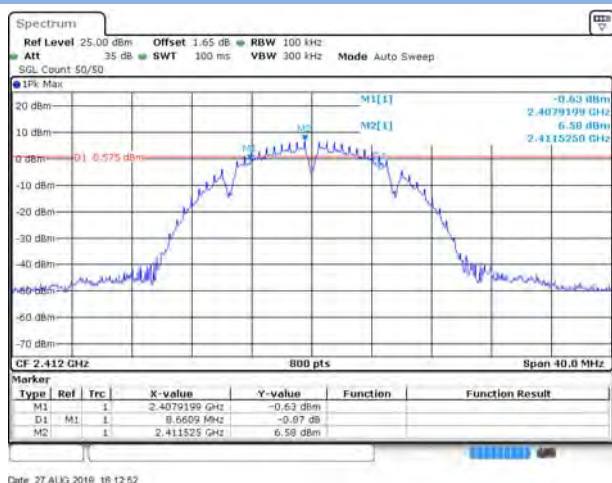
Channel	6 dB Bandwidth (MHz)	99% Bandwidth (MHz)	6 dB Bandwidth Limits (kHz)
Low	35.572266	36.300000	≥ 500
Middle	35.822510	36.300000	≥ 500
High	35.722412	36.300000	≥ 500

Test plots

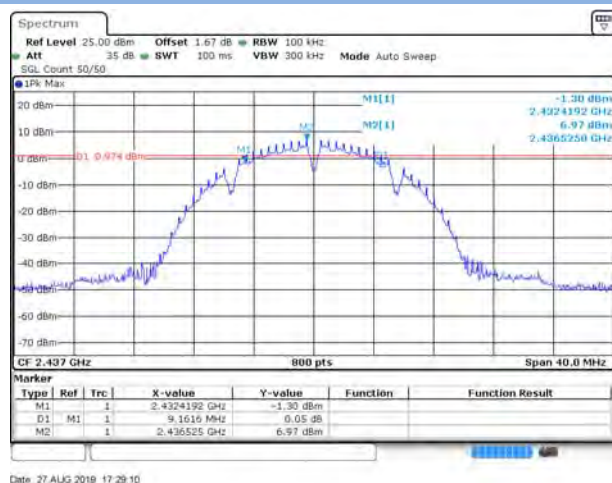
6 dB Bandwidth

8 inch

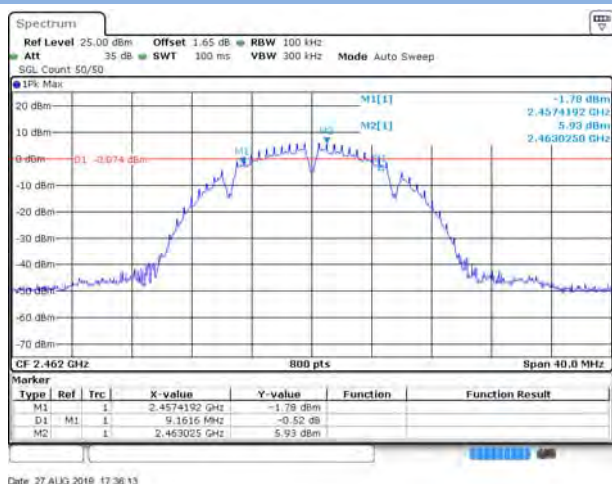
802.11b LOW CHANNEL



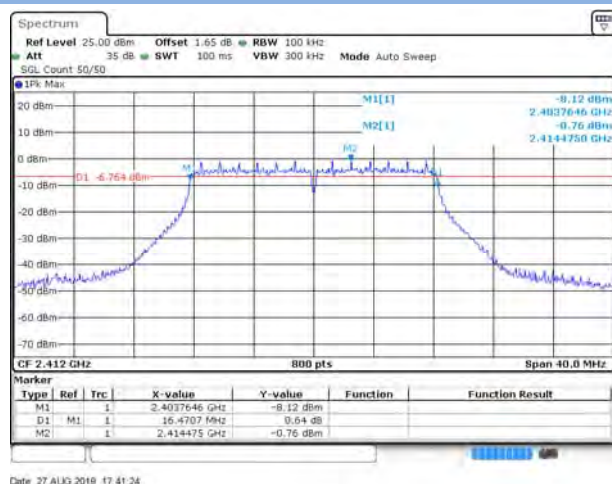
802.11b MIDDLE CHANNEL



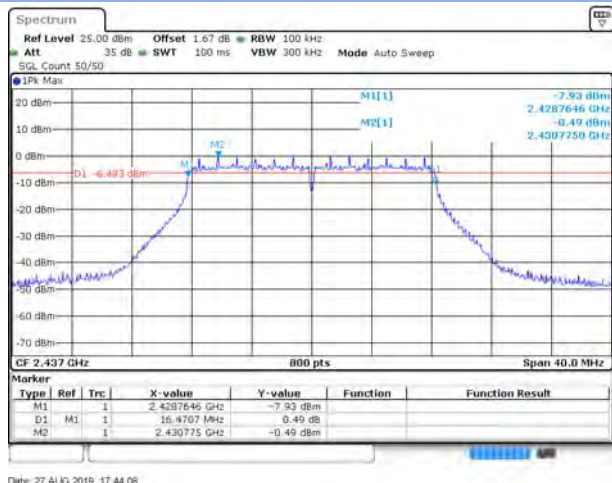
802.11b HIGH CHANNEL



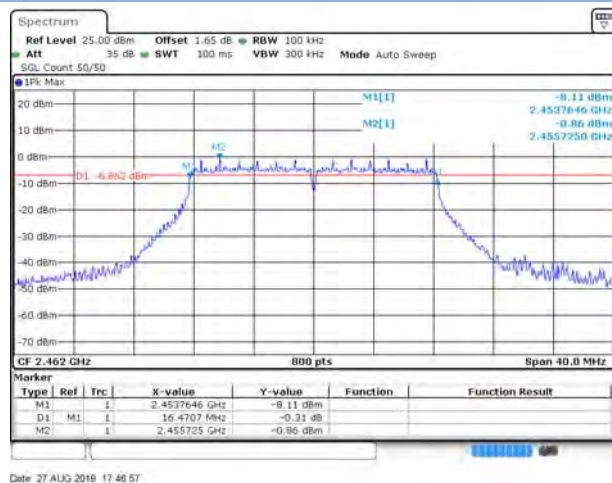
802.11g LOW CHANNEL



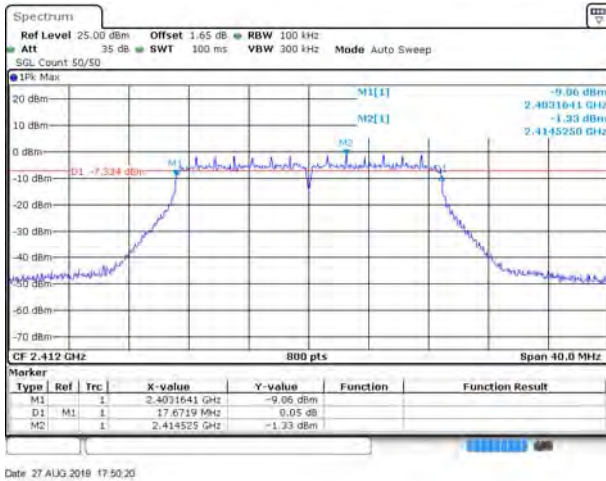
802.11g MIDDLE CHANNEL



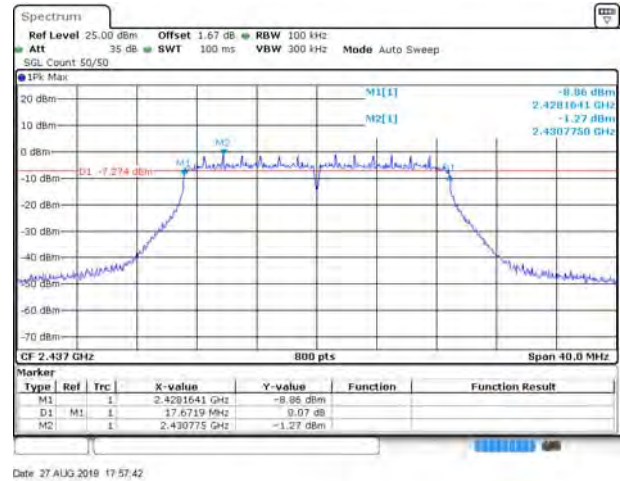
802.11g HIGH CHANNEL



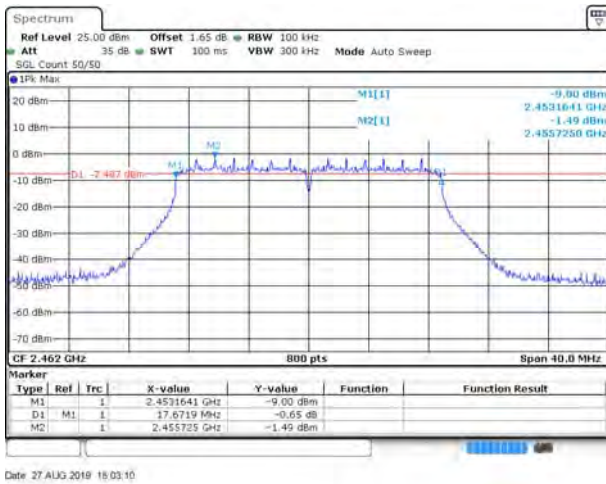
802.11n-20 MHz LOW CHANNEL



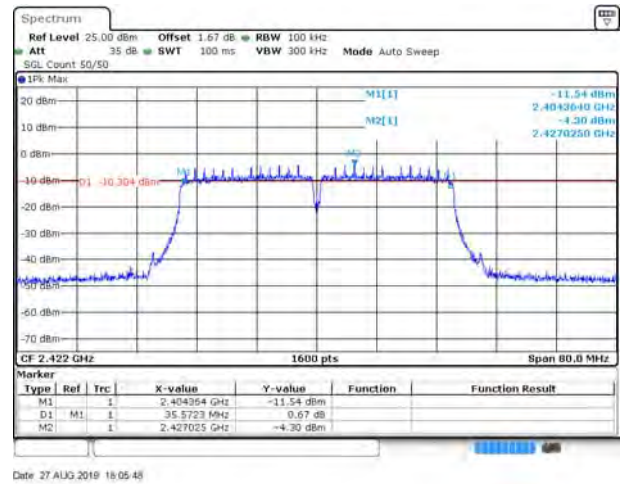
802.11 n-20 MHz MIDDLE CHANNEL



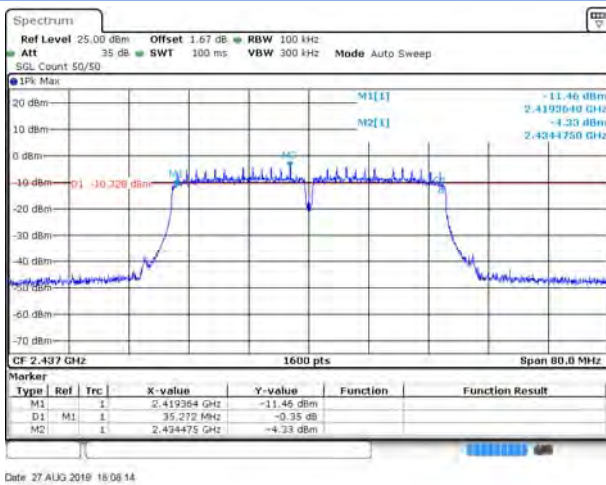
802.11n-20 MHz HIGH CHANNEL



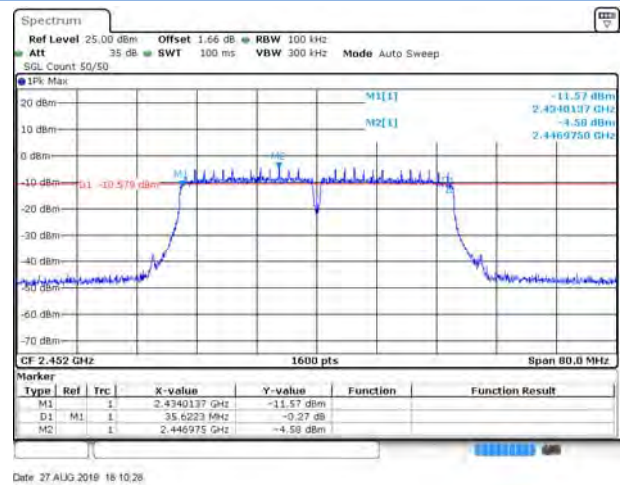
802.11n-40 MHz LOW CHANNEL



802.11n-40 MHz MIDDLE CHANNEL

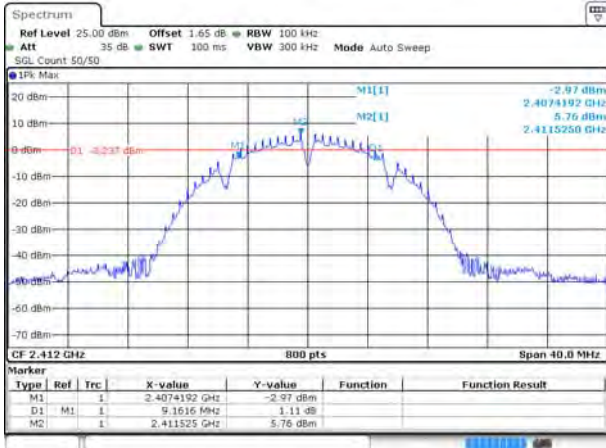


802.11n-40 MHz HIGH CHANNEL



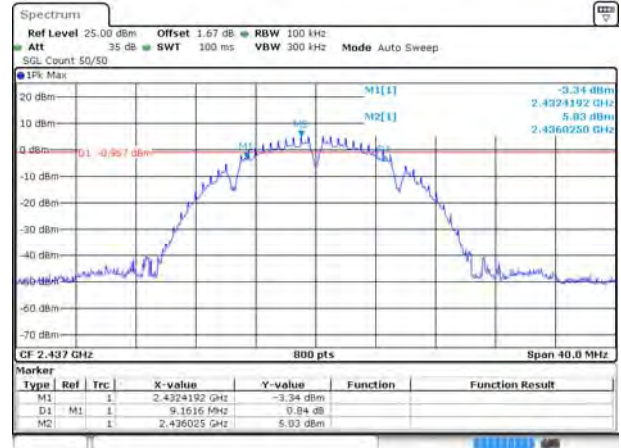
10.1 inch

802.11b LOW CHANNEL



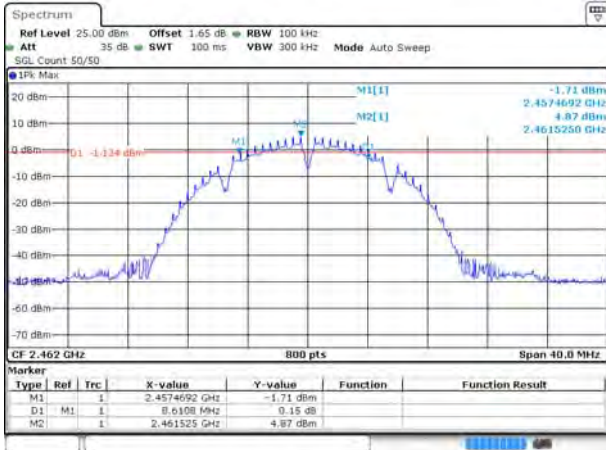
Date 26 AUG 2019 14:41:26

802.11b MIDDLE CHANNEL



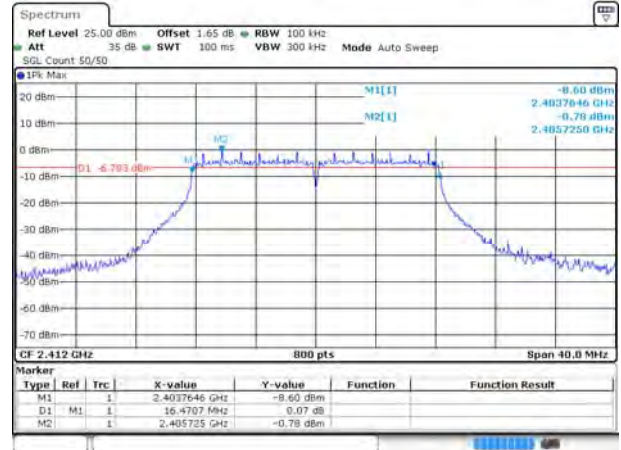
Date 26 AUG 2019 14:44:18

802.11b HIGH CHANNEL



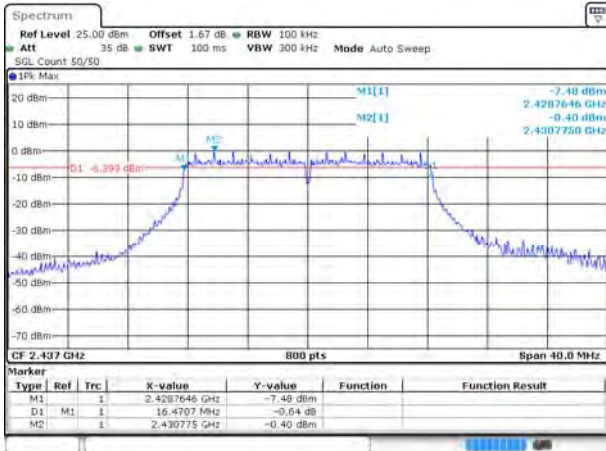
Date 26 AUG 2019 14:54:54

802.11g LOW CHANNEL



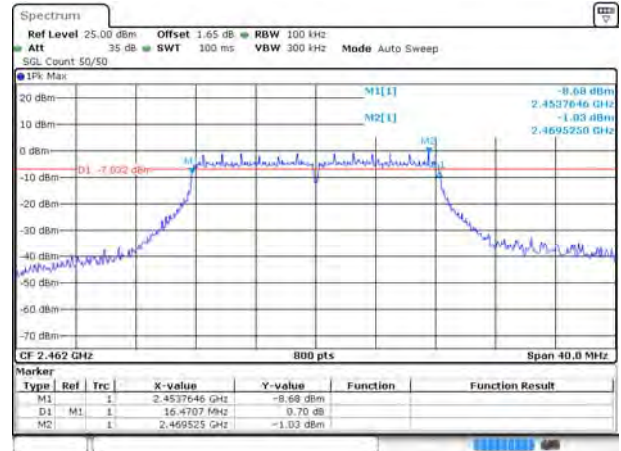
Date 26 AUG 2019 14:57:41

802.11g MIDDLE CHANNEL



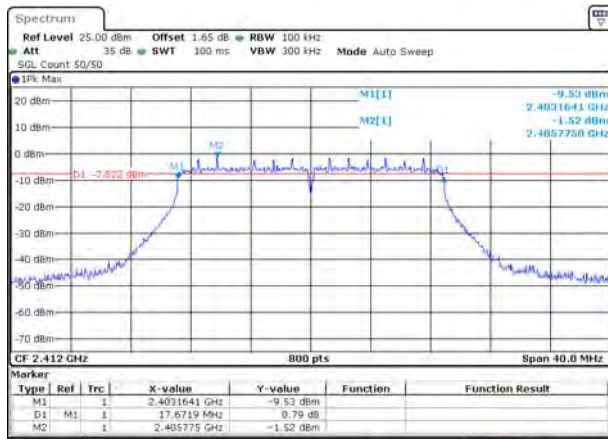
Date 26 AUG 2019 15:51:05

802.11g HIGH CHANNEL

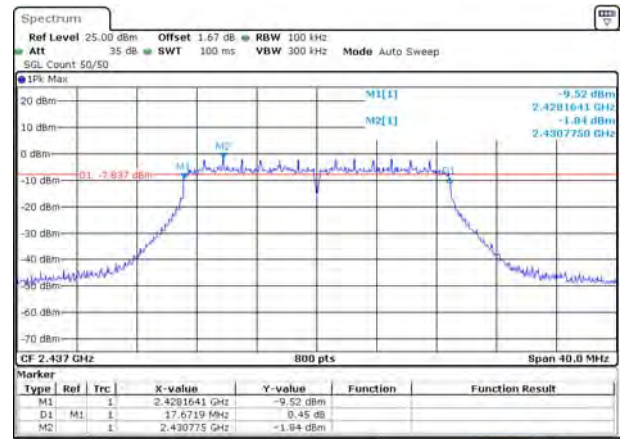


Date 26 AUG 2019 15:53:31

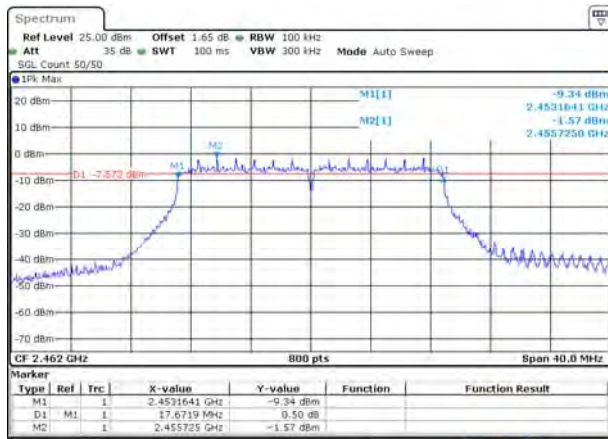
802.11n-20 MHz LOW CHANNEL



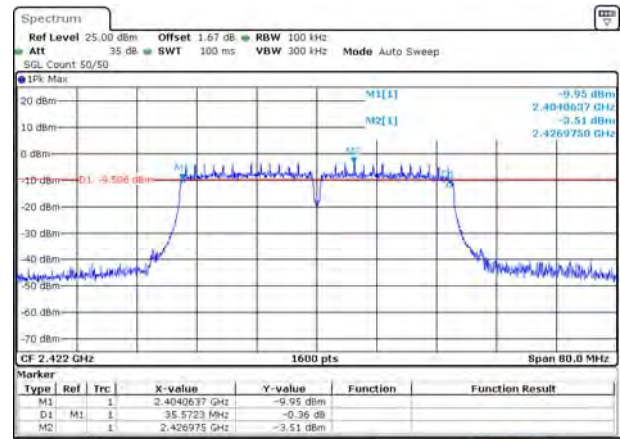
802.11 n-20 MHz MIDDLE CHANNEL



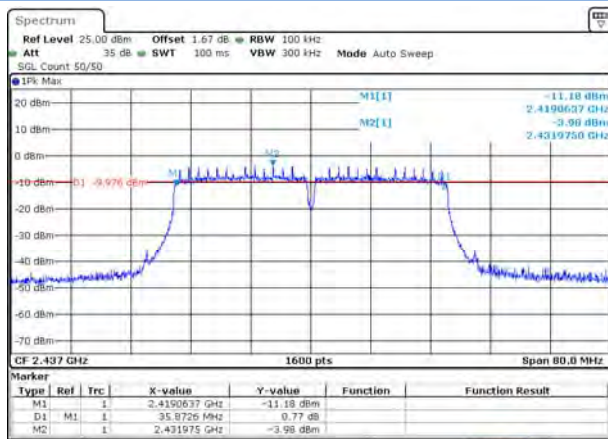
802.11n-20 MHz HIGH CHANNEL



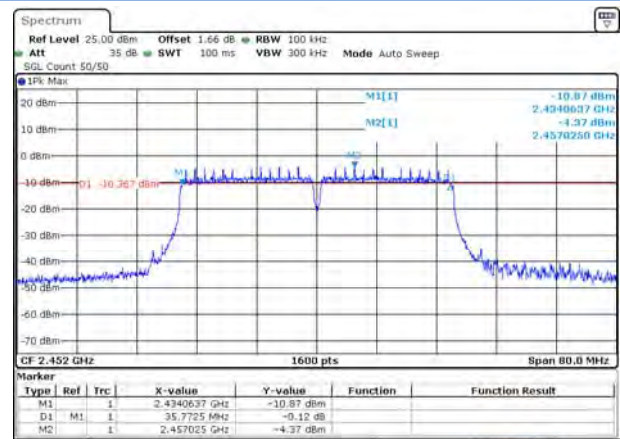
802.11n-40 MHz LOW CHANNEL



802.11n-40 MHz MIDDLE CHANNEL

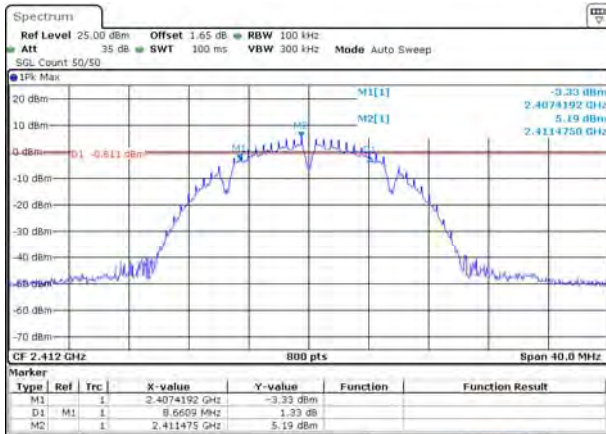


802.11n-40 MHz HIGH CHANNEL



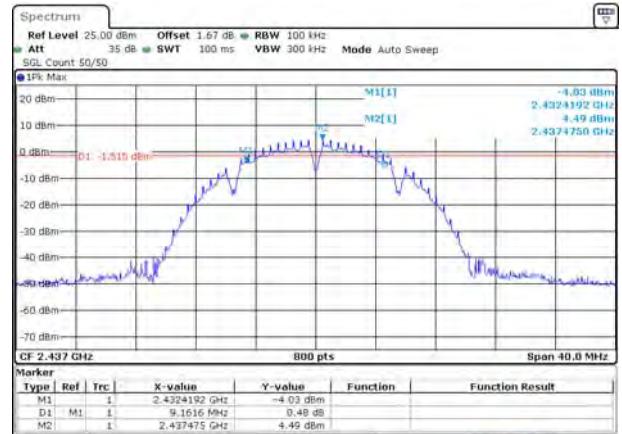
11.5 inch

802.11b LOW CHANNEL



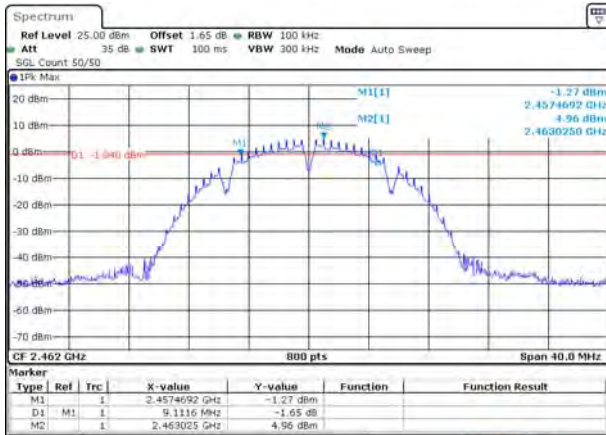
Date 26 AUG 2019 19:15:47

802.11b MIDDLE CHANNEL



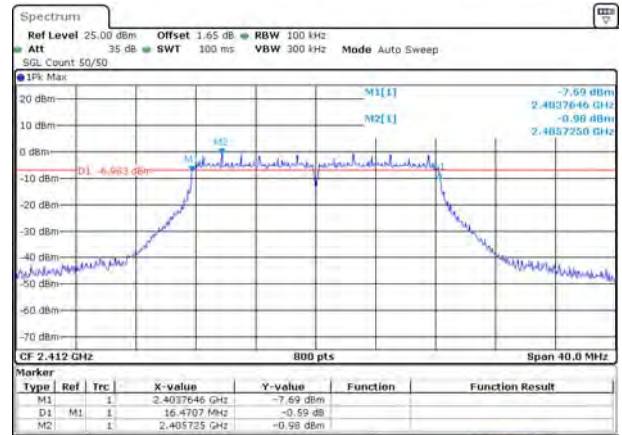
Date 26 AUG 2019 19:18:48

802.11b HIGH CHANNEL



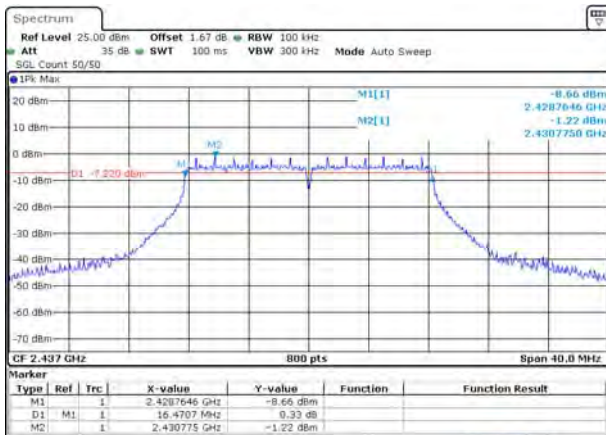
Date 26 AUG 2019 19:22:05

802.11g LOW CHANNEL



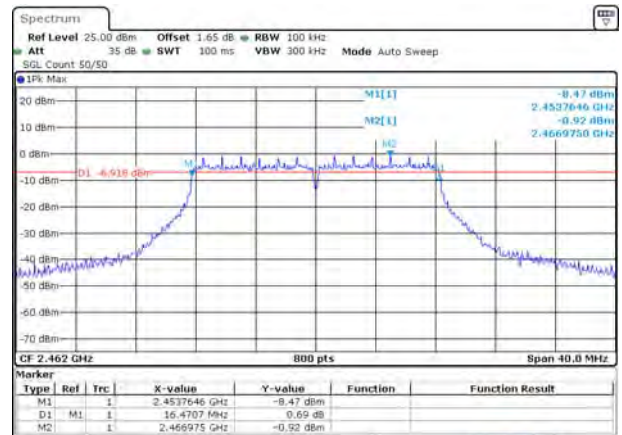
Date 26 AUG 2019 19:24:34

802.11g MIDDLE CHANNEL



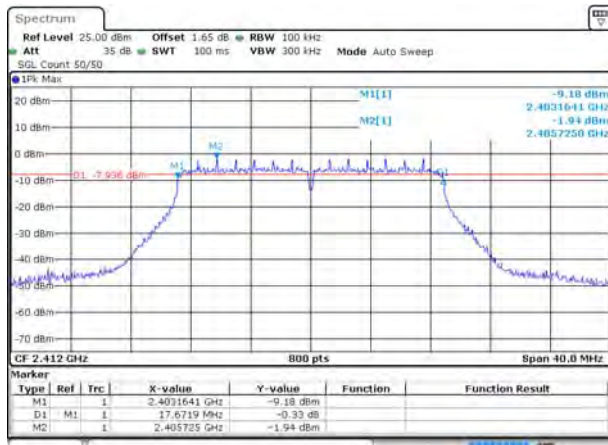
Date 26 AUG 2019 19:26:59

802.11g HIGH CHANNEL



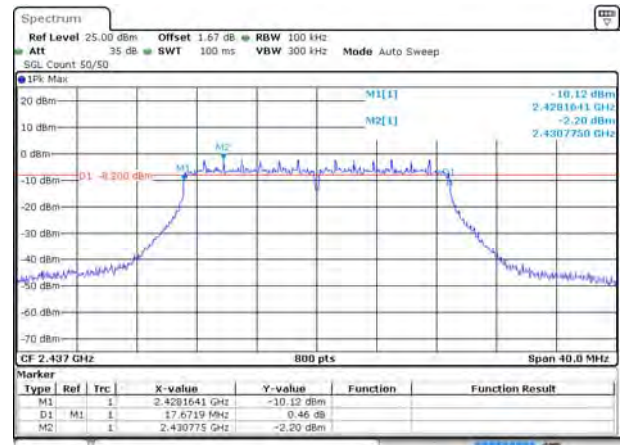
Date 26 AUG 2019 19:30:37

802.11n-20 MHz LOW CHANNEL



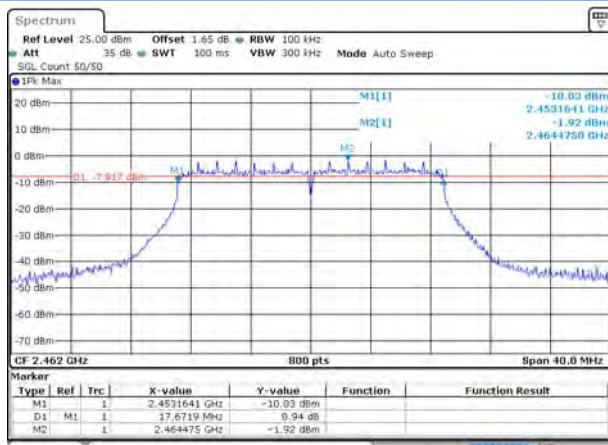
Date 26 AUG 2019 19:34:13

802.11 n-20 MHz MIDDLE CHANNEL



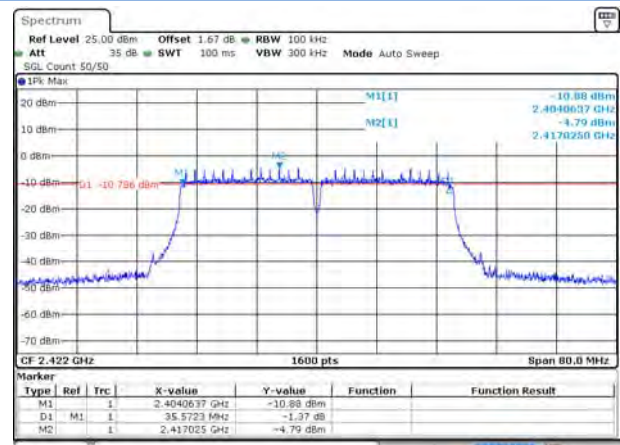
Date 26 AUG 2019 19:36:50

802.11n-20 MHz HIGH CHANNEL



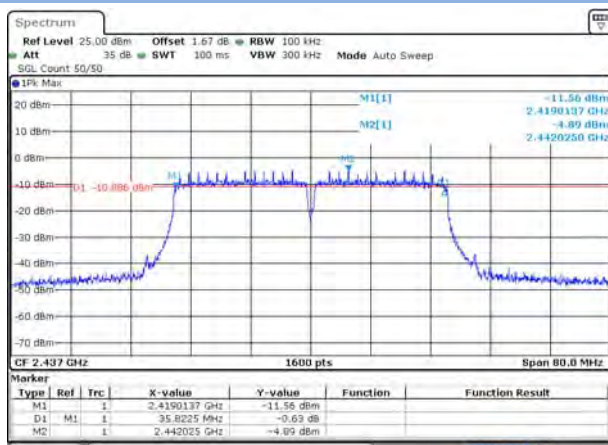
Date 26 AUG 2019 19:39:27

802.11n-40 MHz LOW CHANNEL



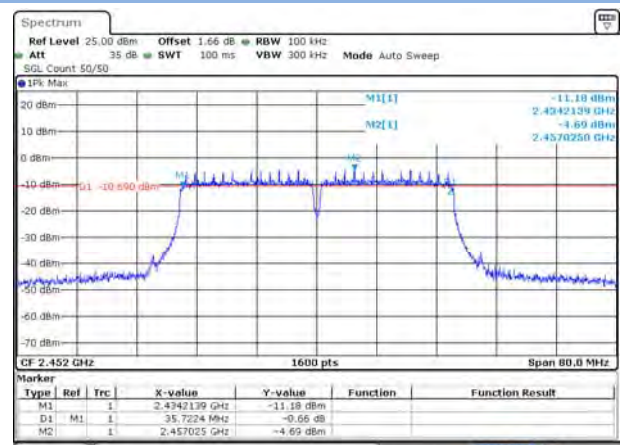
Date 26 AUG 2019 19:42:20

802.11n-40 MHz MIDDLE CHANNEL



Date 26 AUG 2019 19:45:35

802.11n-40 MHz HIGH CHANNEL



Date 26 AUG 2019 19:48:05

99% Bandwidth

8 inch

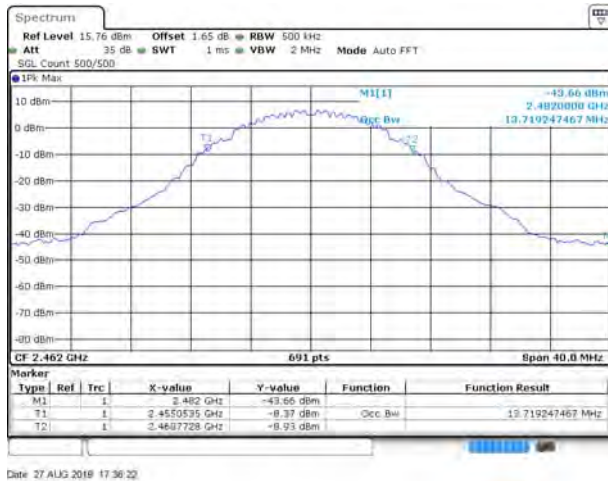
802.11b LOW CHANNEL



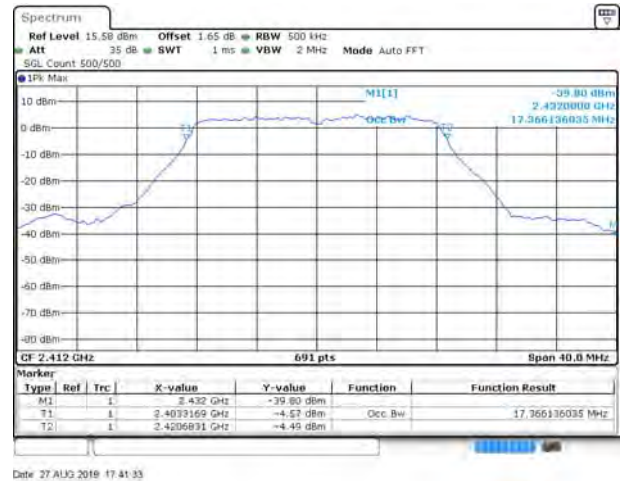
802.11b MIDDLE CHANNEL



802.11b HIGH CHANNEL



802.11g LOW CHANNEL



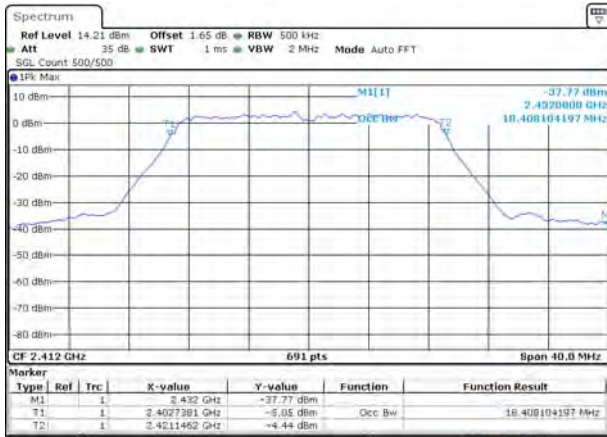
802.11g MIDDLE CHANNEL



802.11g HIGH CHANNEL



802.11n-20 MHz LOW CHANNEL



Date 27 AUG 2019 17:50:39

802.11 n-20 MHz MIDDLE CHANNEL



Date 27 AUG 2019 17:57:51

802.11n-20 MHz HIGH CHANNEL



Date 27 AUG 2019 18:03:15

802.11n-40 MHz LOW CHANNEL



Date 27 AUG 2019 18:05:59

802.11n-40 MHz MIDDLE CHANNEL



Date 27 AUG 2019 18:08:25

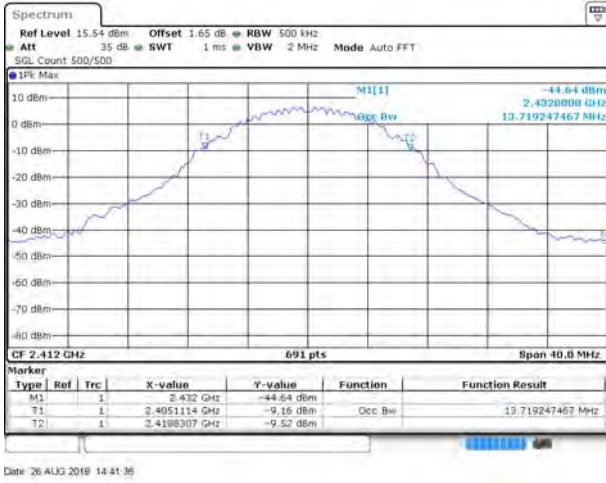
802.11n-40 MHz HIGH CHANNEL



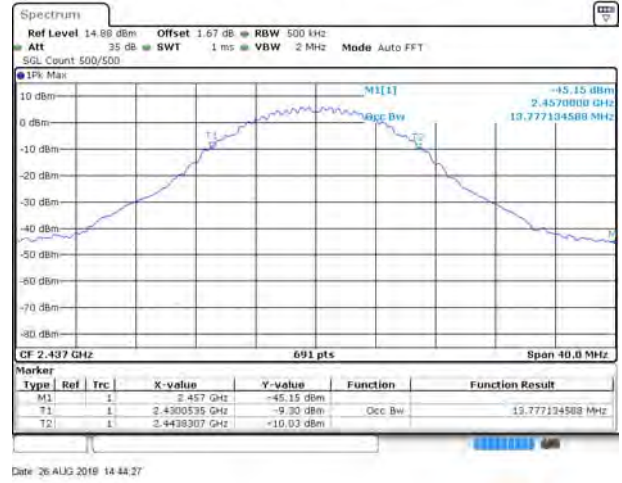
Date 27 AUG 2019 18:10:39

10.1 inch

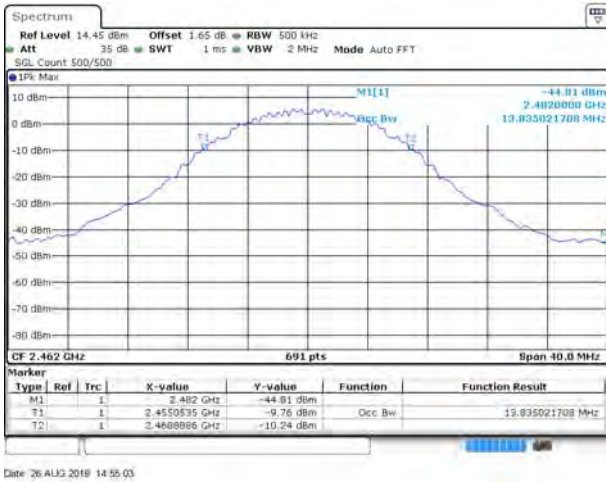
802.11b LOW CHANNEL



802.11b MIDDLE CHANNEL



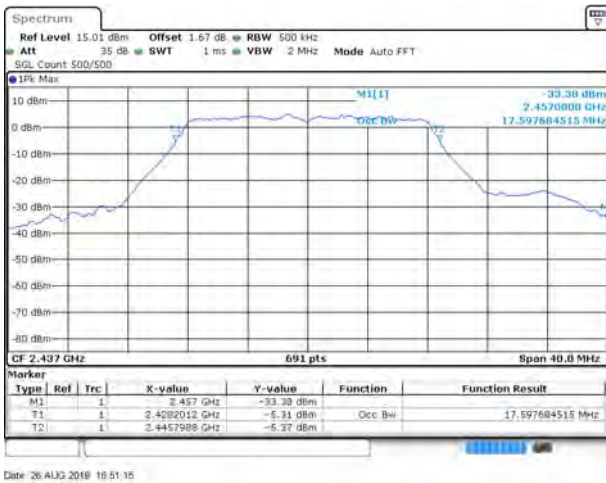
802.11b HIGH CHANNEL



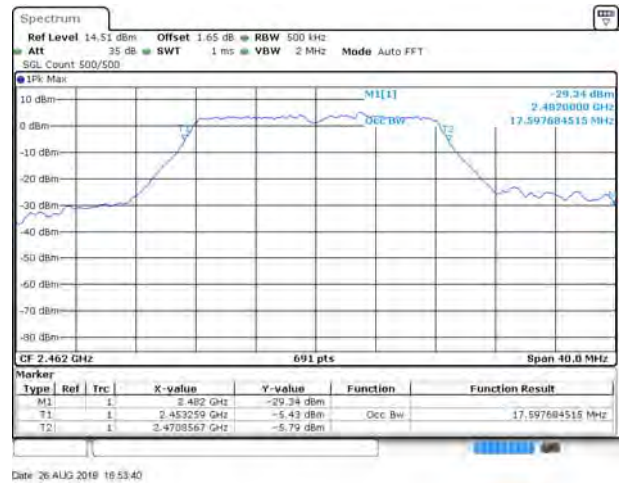
802.11g LOW CHANNEL



802.11g MIDDLE CHANNEL



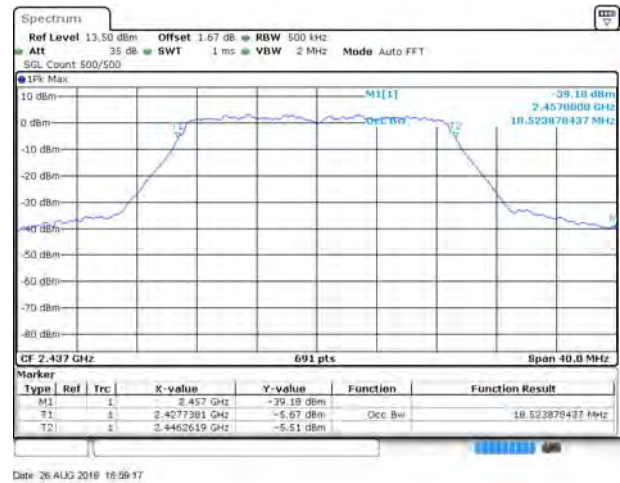
802.11g HIGH CHANNEL



802.11n-20 MHz LOW CHANNEL



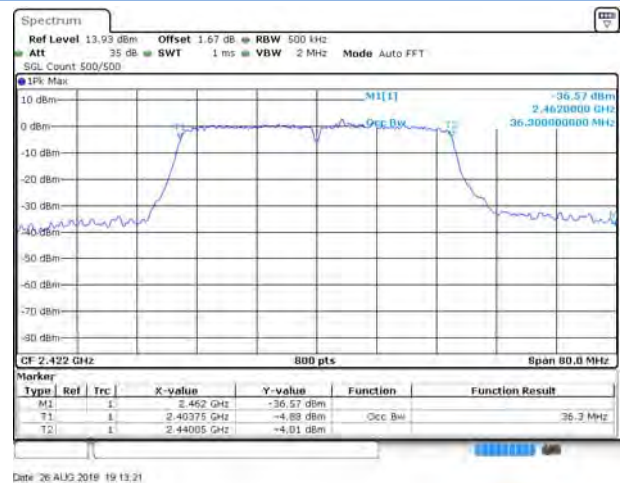
802.11 n-20 MHz MIDDLE CHANNEL



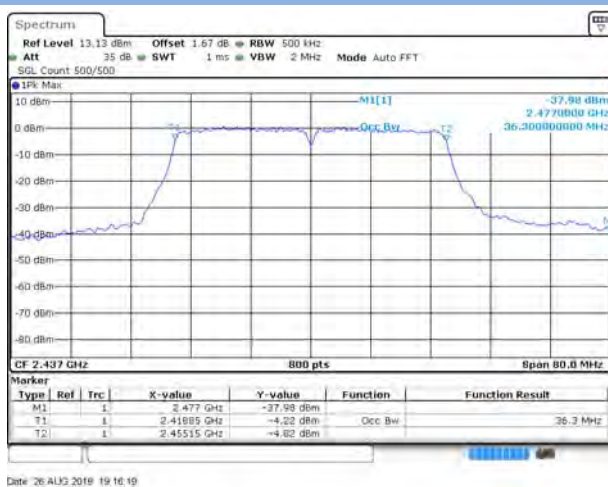
802.11n-20 MHz HIGH CHANNEL



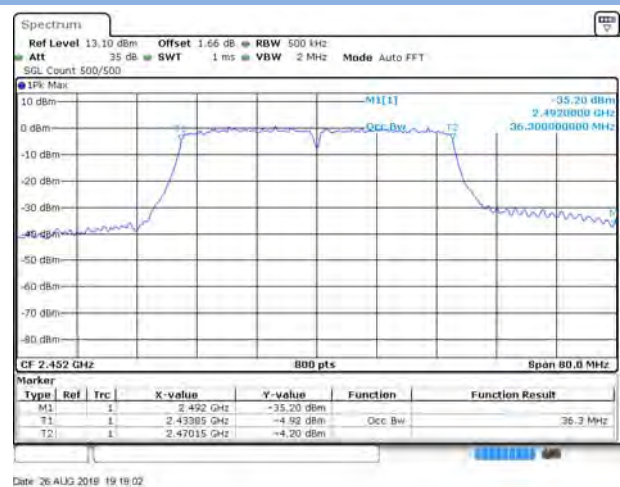
802.11n-40 MHz LOW CHANNEL



802.11n-40 MHz MIDDLE CHANNEL

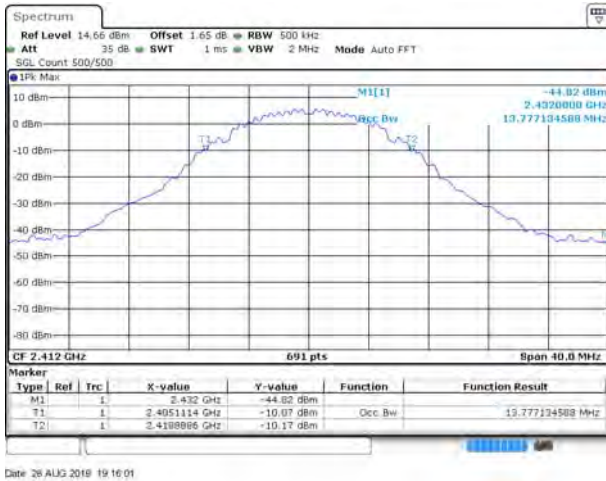


802.11n-40 MHz HIGH CHANNEL

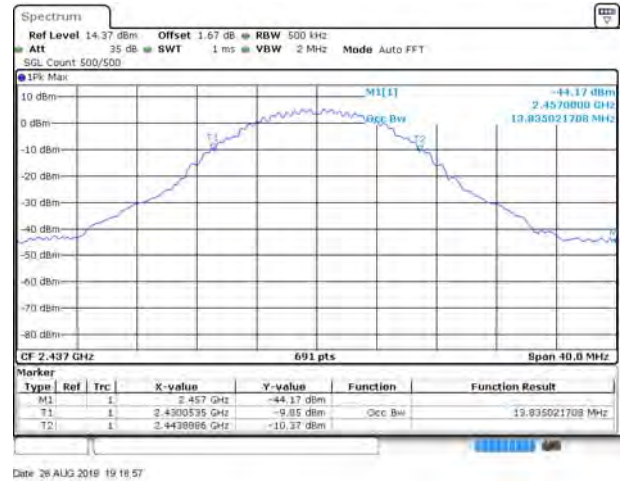


11.5 inch

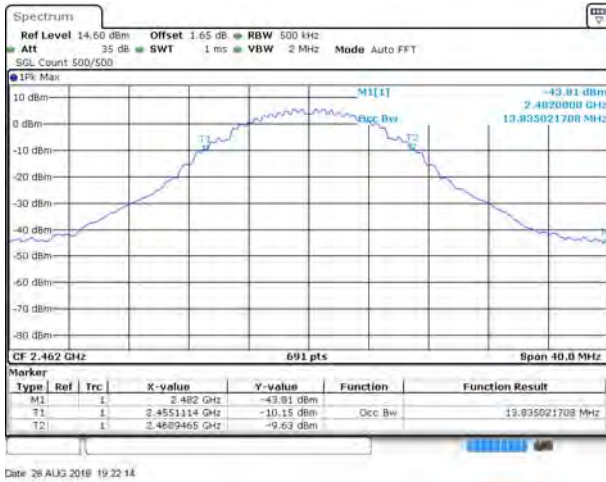
802.11b LOW CHANNEL



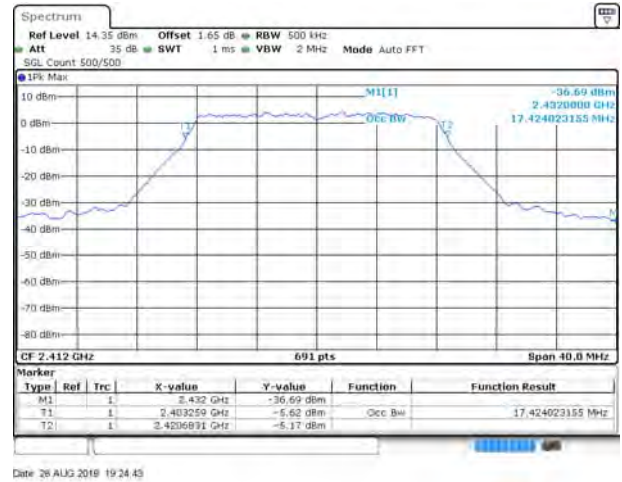
802.11b MIDDLE CHANNEL



802.11b HIGH CHANNEL



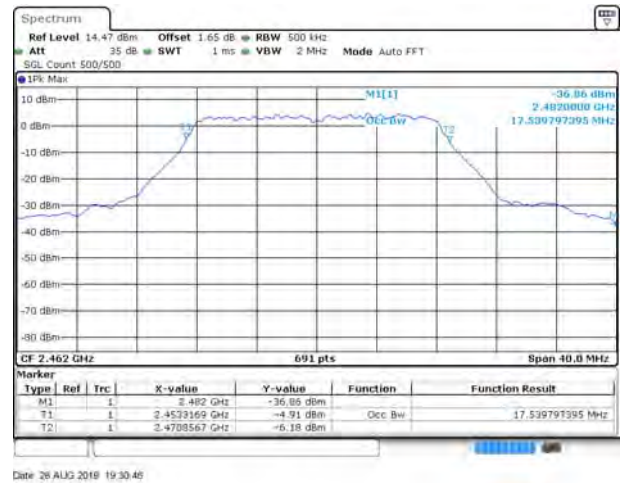
802.11g LOW CHANNEL



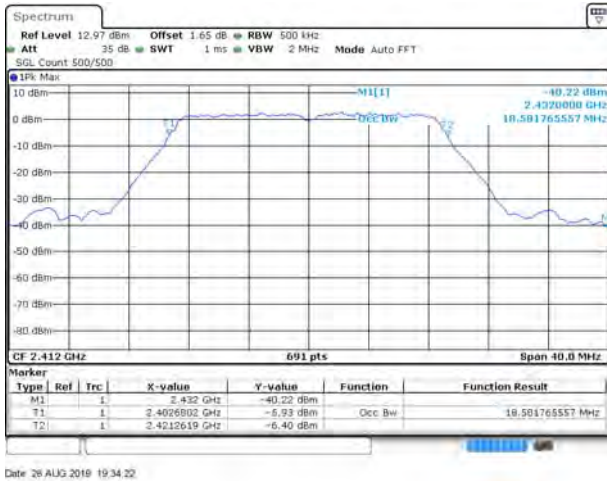
802.11g MIDDLE CHANNEL



802.11g HIGH CHANNEL



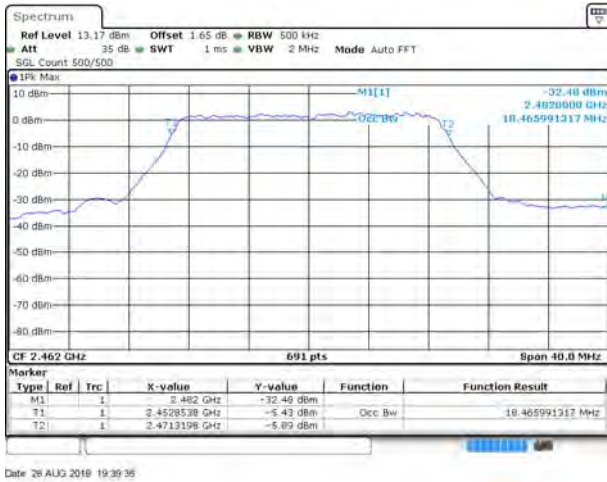
802.11n-20 MHz LOW CHANNEL



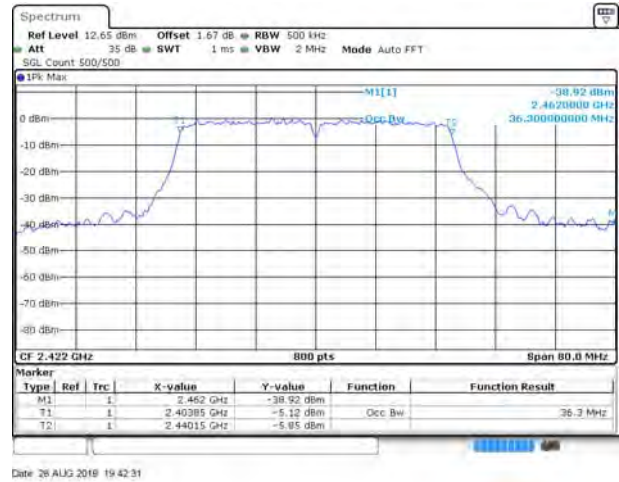
802.11 n-20 MHz MIDDLE CHANNEL



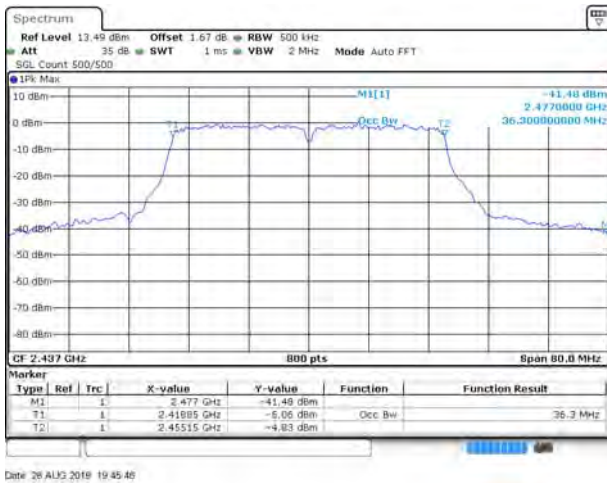
802.11n-20 MHz HIGH CHANNEL



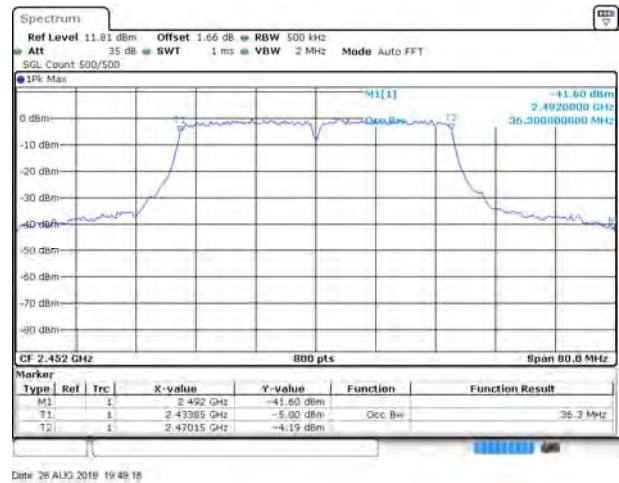
802.11n-40 MHz LOW CHANNEL



802.11n-40 MHz MIDDLE CHANNEL



802.11n-40 MHz HIGH CHANNEL



A.3 Conducted Spurious Emissions

Test Data

8 inch

802.11b Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-41.69	6.50	-13.50	Pass
Middle	-42.05	6.81	-13.19	Pass
High	-44.27	6.09	-13.91	Pass

802.11g Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-45.83	-0.70	-20.70	Pass
Middle	-44.61	-0.31	-20.31	Pass
High	-46.91	-0.74	-20.74	Pass

802.11n-20MHz Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-43.19	-1.25	-21.25	Pass
Middle	-42.79	-1.29	-21.29	Pass
High	-44.10	-1.38	-21.38	Pass

802.11n-40MHz Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-44.70	-4.29	-24.29	Pass
Middle	-44.41	-4.20	-24.20	Pass
High	-43.43	-4.45	-24.45	Pass

10.1 inch

802.11b Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-39.01	5.78	-14.22	Pass
Middle	-38.47	5.32	-14.68	Pass
High	-39.86	4.68	-15.32	Pass

802.11g Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-43.83	-0.71	-20.71	Pass
Middle	-44.40	-0.48	-20.48	Pass
High	-44.22	-0.76	-20.76	Pass

802.11n-20MHz Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-43.96	-1.50	-21.50	Pass
Middle	-43.56	-1.71	-21.71	Pass
High	-44.34	-1.70	-21.70	Pass

802.11n-40MHz Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-43.56	-3.42	-23.42	Pass
Middle	-43.66	-3.93	-23.93	Pass
High	-44.36	-4.34	-24.34	Pass

11.5 inch

802.11b Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-38.95	4.93	-15.07	Pass
Middle	-40.95	4.64	-15.36	Pass
High	-41.80	5.07	-14.93	Pass

802.11g Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-44.38	-0.90	-20.90	Pass
Middle	-44.22	-1.02	-21.02	Pass
High	-44.90	-0.68	-20.68	Pass

802.11n-20MHz Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-43.80	-1.86	-21.86	Pass
Middle	-44.32	-2.01	-22.01	Pass
High	-44.34	-1.66	-21.66	Pass

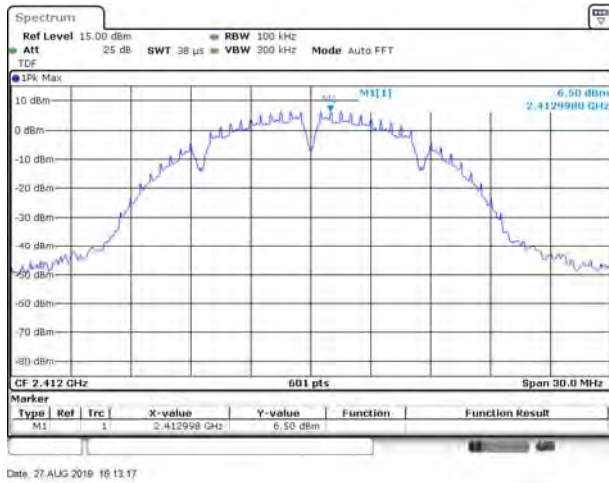
802.11n-40MHz Mode:

Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-44.21	-4.62	-24.62	Pass
Middle	-44.67	-4.80	-24.80	Pass
High	-44.08	-4.90	-24.90	Pass

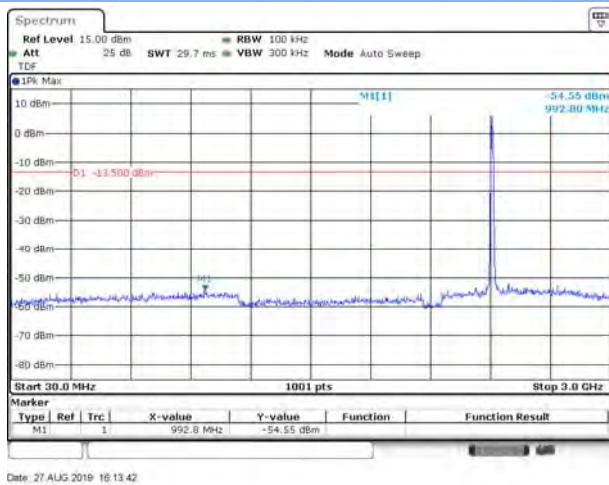
Test Plots

8 inch

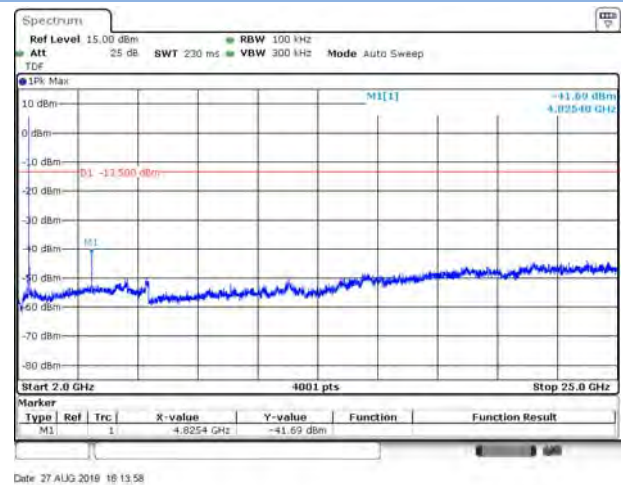
802.11b LOW CHANNEL CARRIER LEVEL



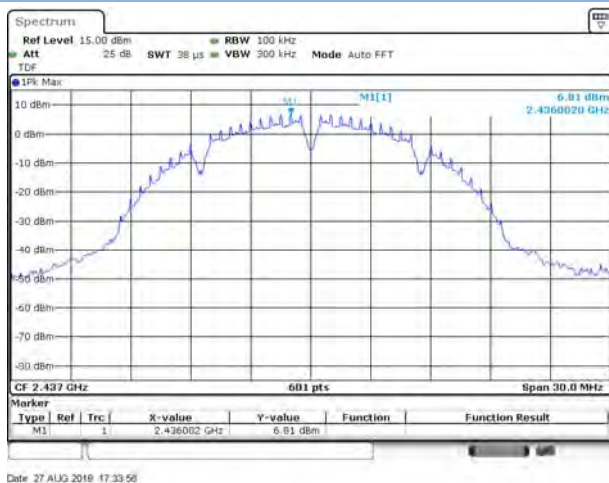
802.11b LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz

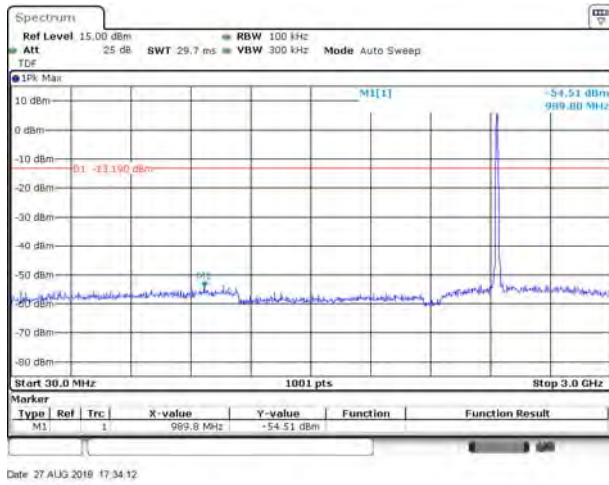
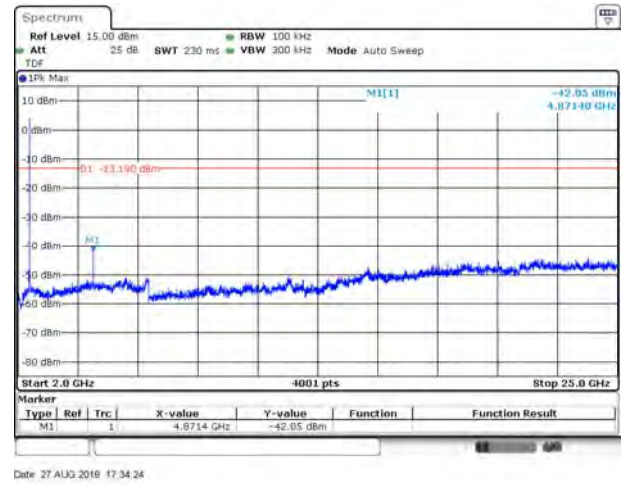


802.11b LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz

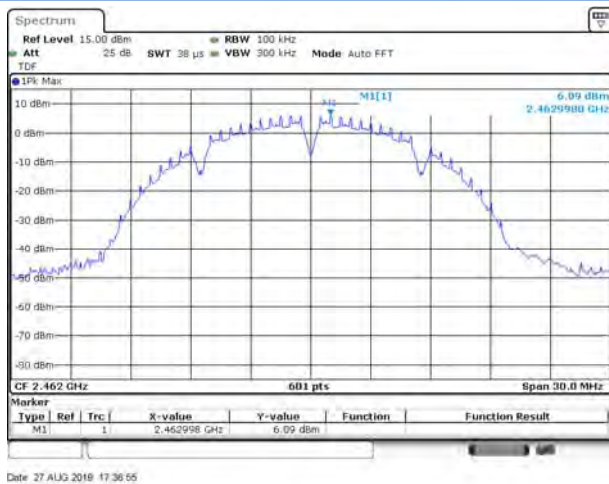
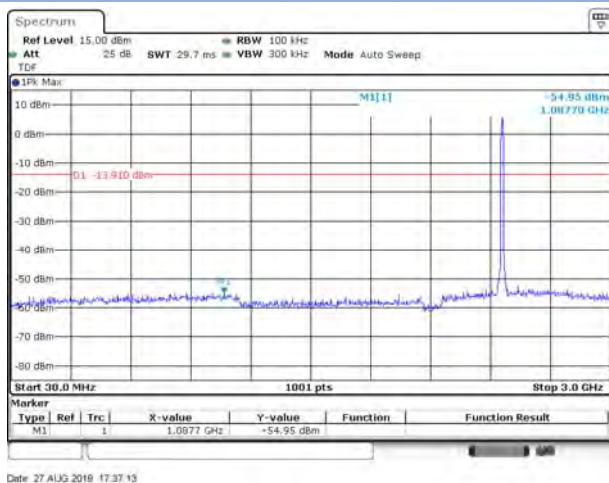
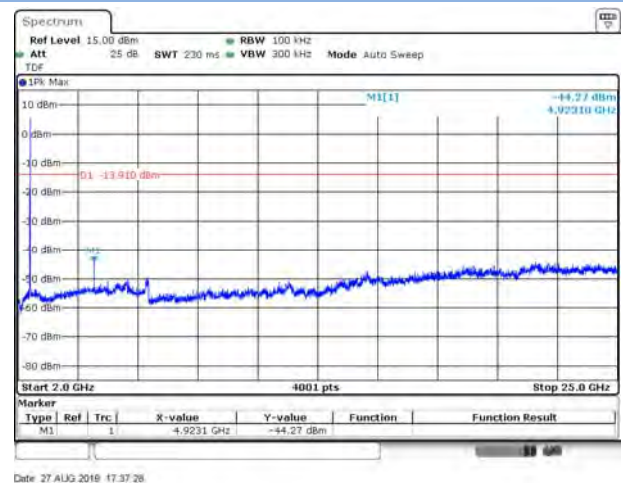


802.11b MIDDLE CHANNEL CARRIER LEVEL

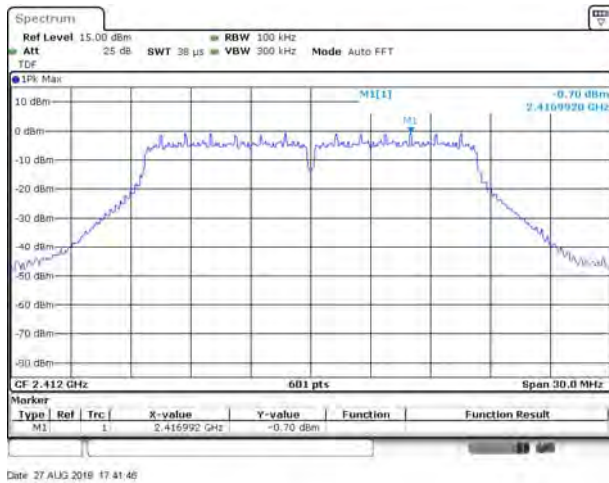


802.11b MIDDLE CHANNEL, SPURIOUS
30 MHz ~ 3 GHz

802.11b MIDDLE CHANNEL, SPURIOUS
2 GHz ~ 25 GHz


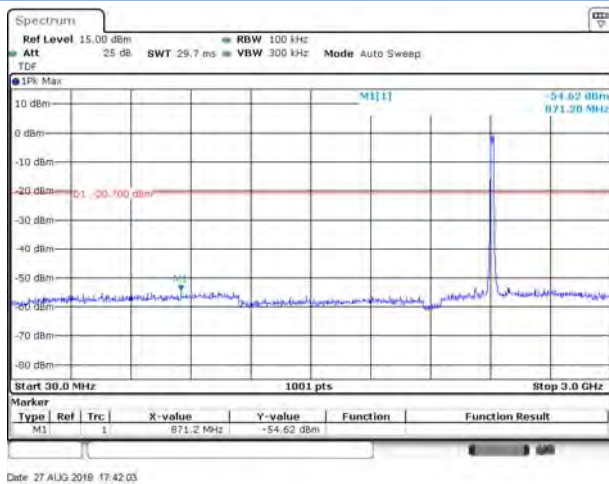
802.11b HIGH CHANNEL CARRIER LEVEL


802.11b HIGH CHANNEL, SPURIOUS
30 MHz ~ 3 GHz

802.11b HIGH CHANNEL, SPURIOUS
2 GHz ~ 25 GHz


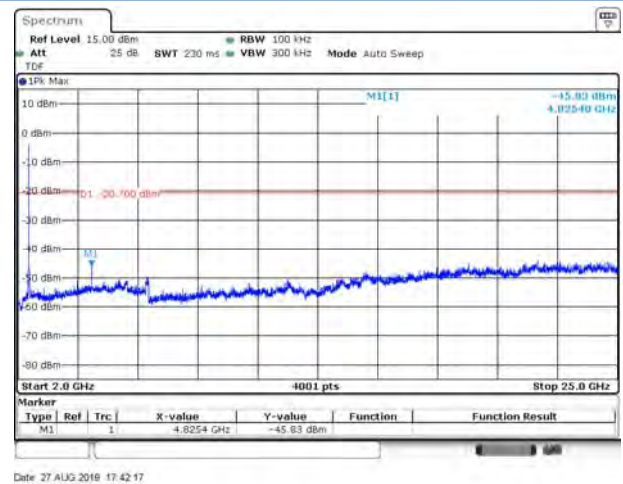
802.11g LOW CHANNEL CARRIER LEVEL



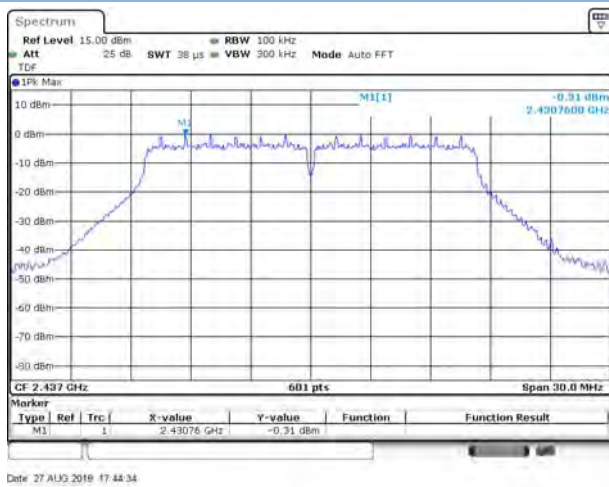
802.11g LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz

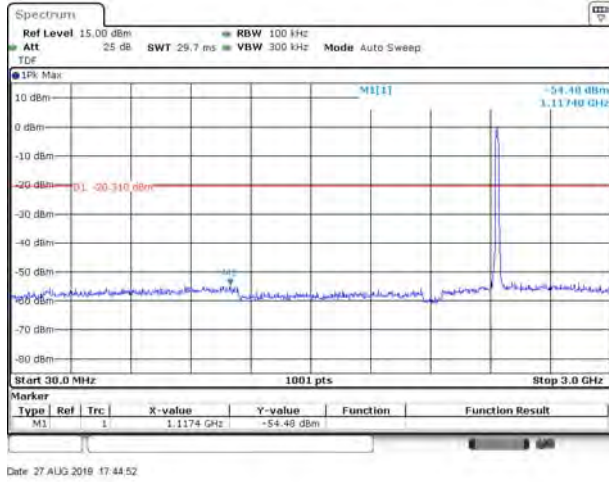
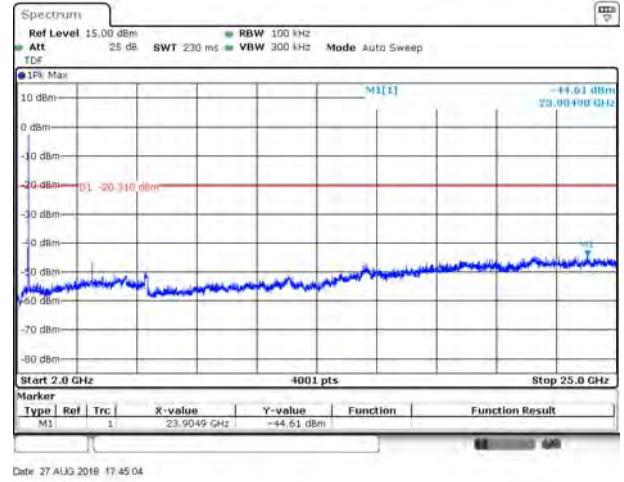


802.11g LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz

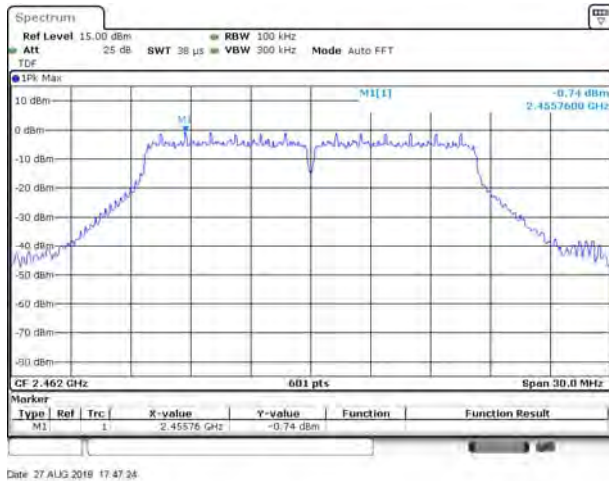
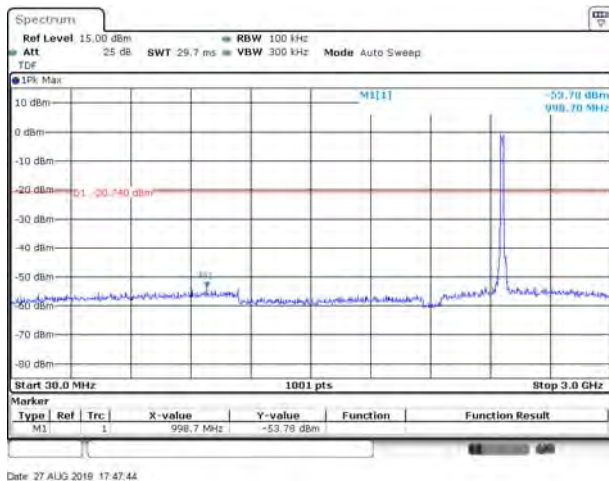
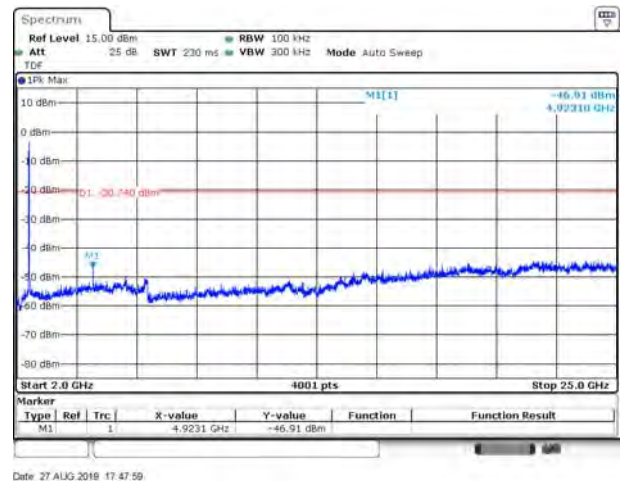


802.11g MIDDLE CHANNEL CARRIER LEVEL

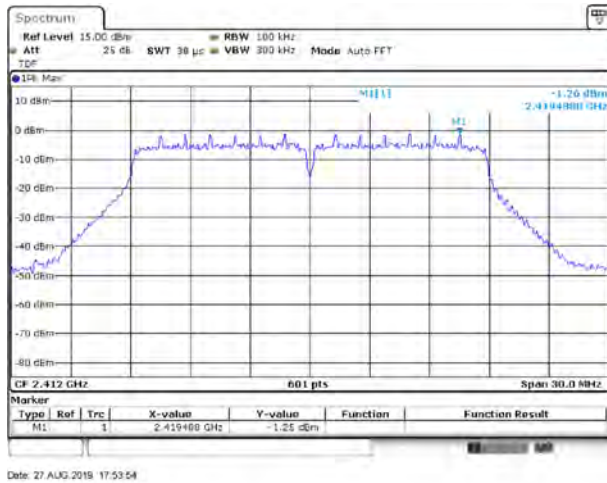


802.11g MIDDLE CHANNEL, SPURIOUS
30 MHz ~ 3 GHz

802.11g MIDDLE CHANNEL, SPURIOUS
2 GHz ~ 25 GHz


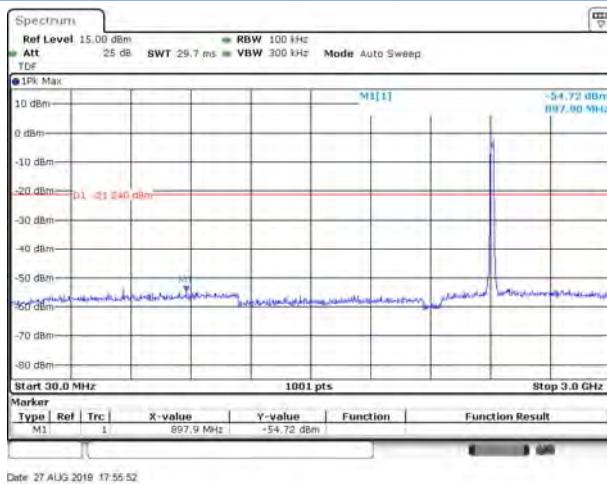
802.11g HIGH CHANNEL CARRIER LEVEL


802.11g HIGH CHANNEL, SPURIOUS
30 MHz ~ 3 GHz

802.11g HIGH CHANNEL, SPURIOUS
2 GHz ~ 25 GHz


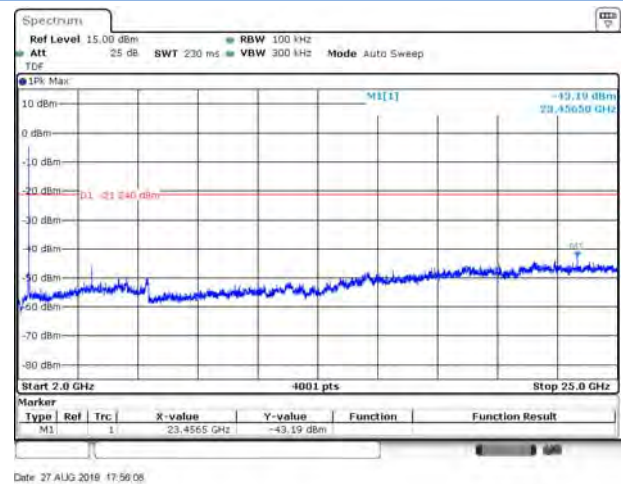
802.11n-20 LOW CHANNEL CARRIER LEVEL



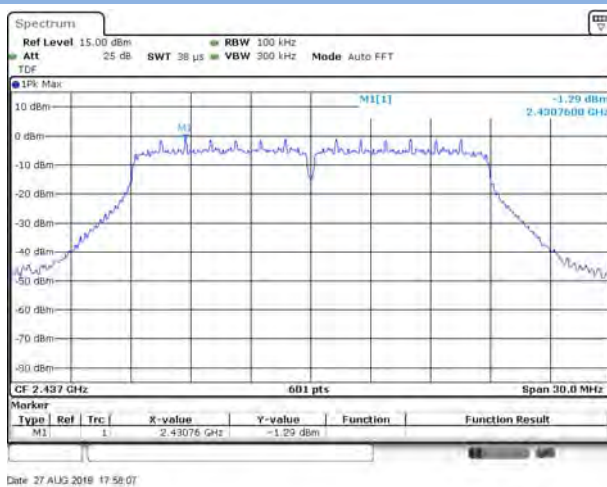
802.11n-20 LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz

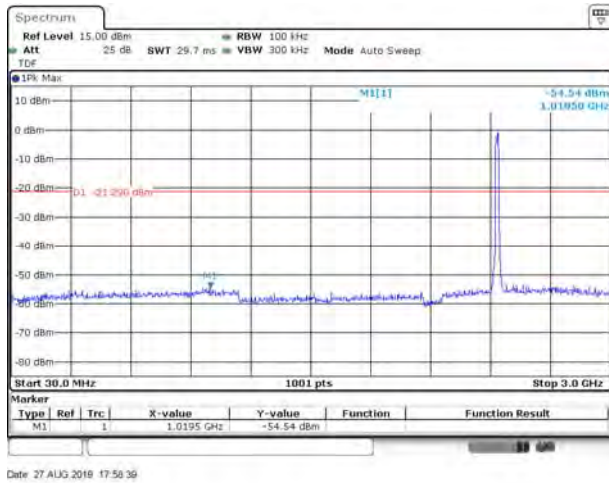
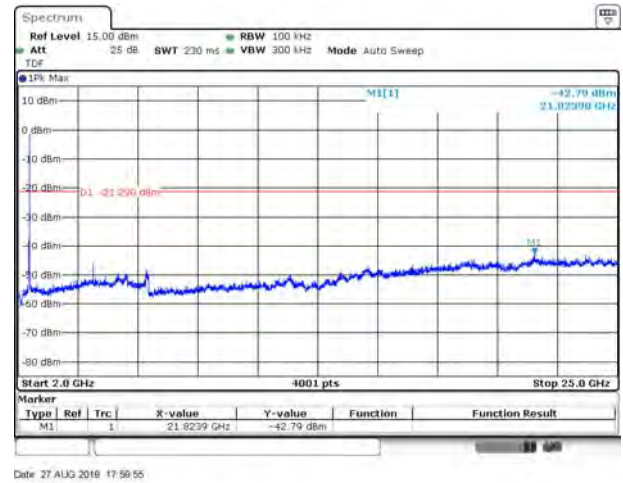


802.11n-20 LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz

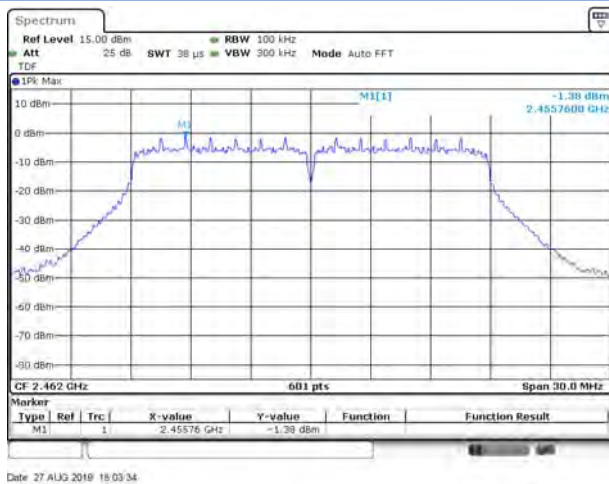
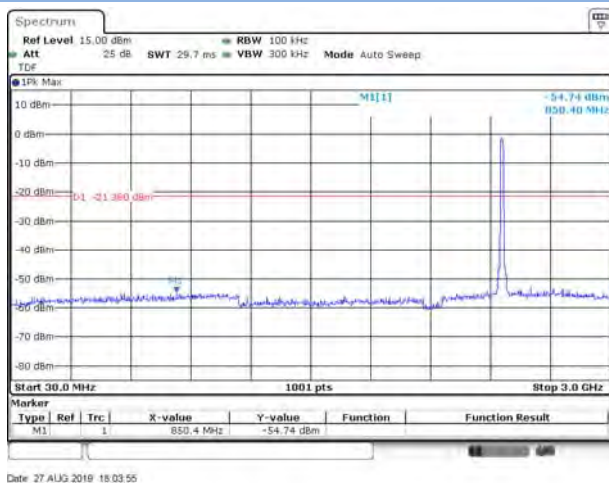
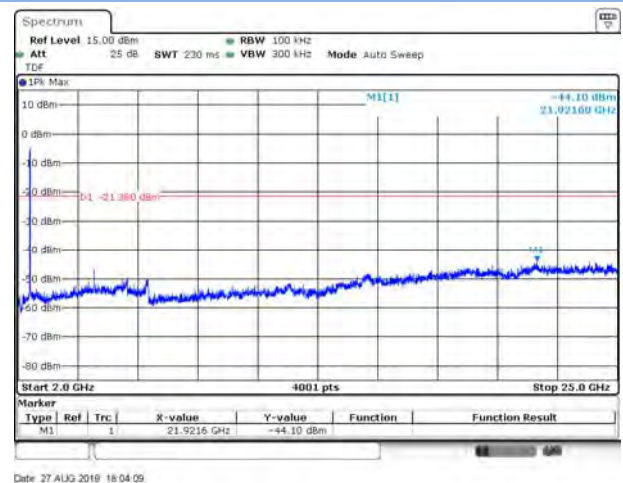


802.11n-20 MIDDLE CHANNEL CARRIER LEVEL

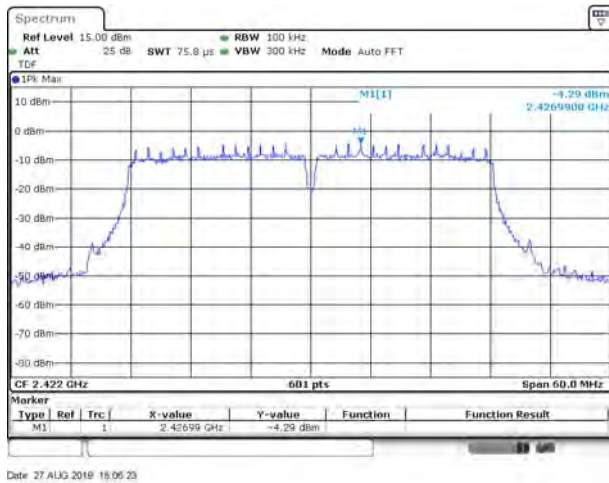


802.11n-20 MIDDLE CHANNEL, SPURIOUS
30 MHz ~ 3 GHz

802.11n-20 MIDDLE CHANNEL, SPURIOUS
2 GHz ~ 25 GHz


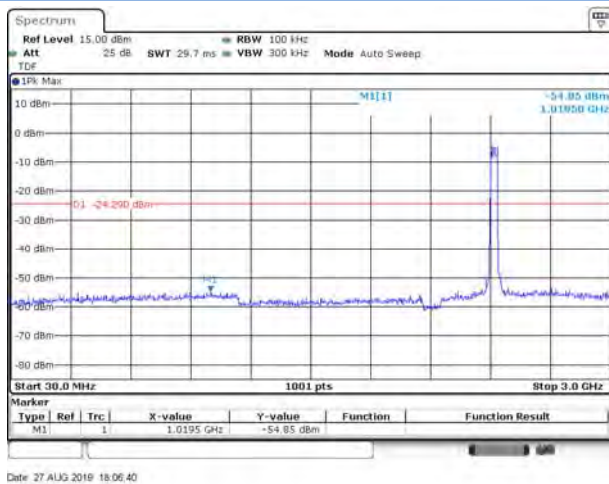
802.11n-20 HIGH CHANNEL CARRIER LEVEL


802.11n-20 HIGH CHANNEL, SPURIOUS
30 MHz ~ 3 GHz

802.11n-20 HIGH CHANNEL, SPURIOUS
2 GHz ~ 25 GHz


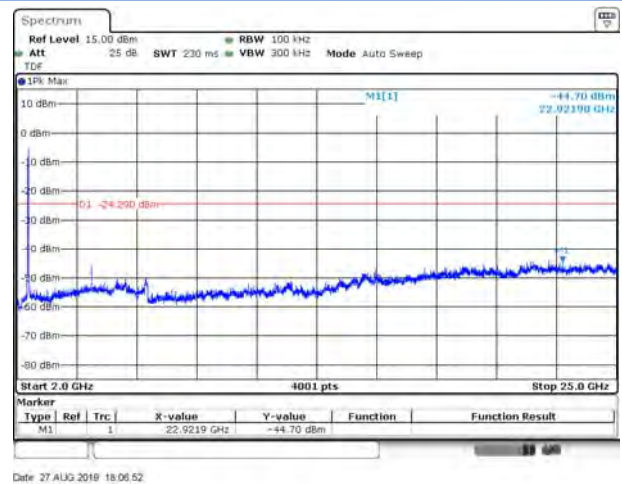
802.11n-40 LOW CHANNEL CARRIER LEVEL



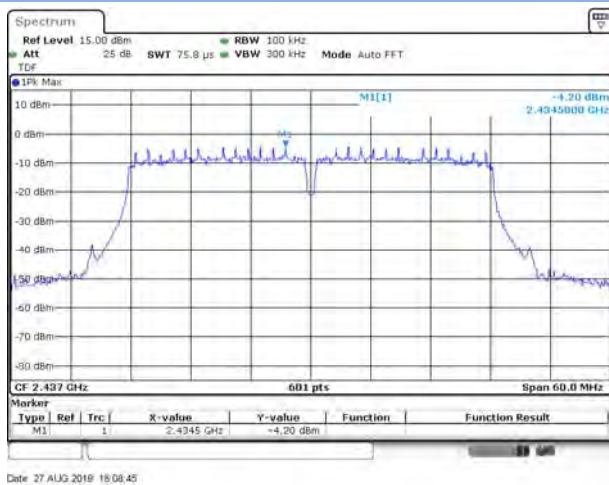
802.11n-40 LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz

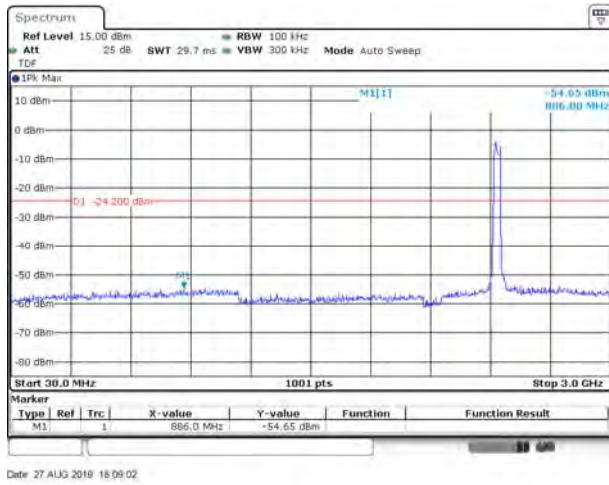
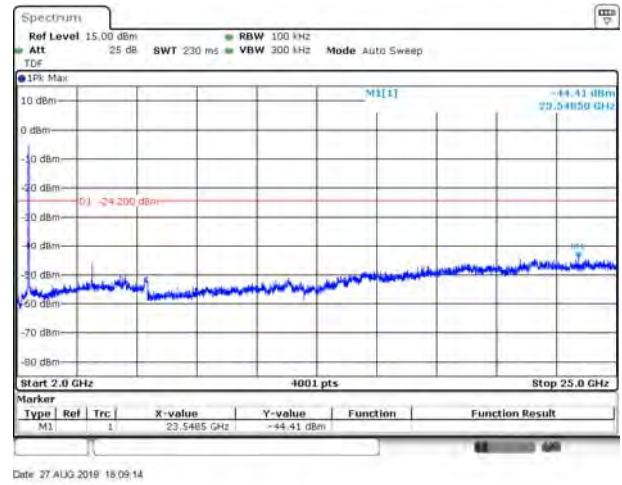


802.11n-40 LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz

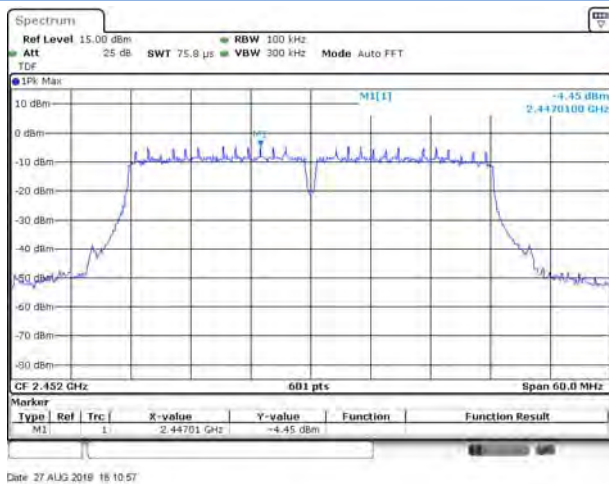
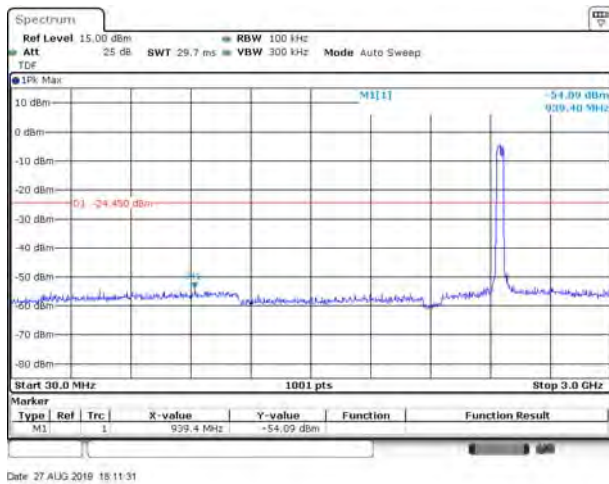
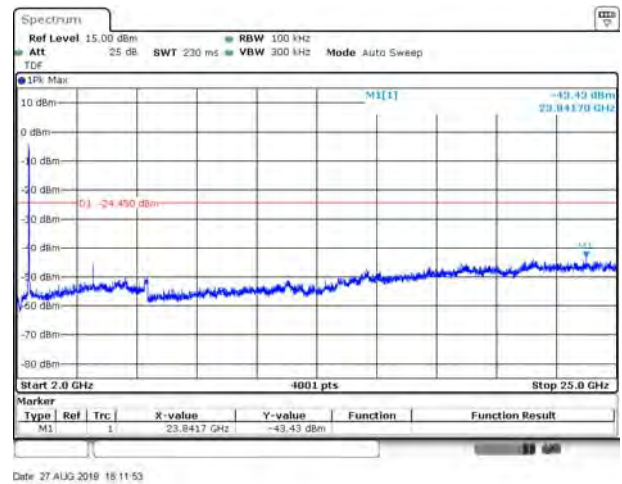


802.11n-40 MIDDLE CHANNEL CARRIER LEVEL



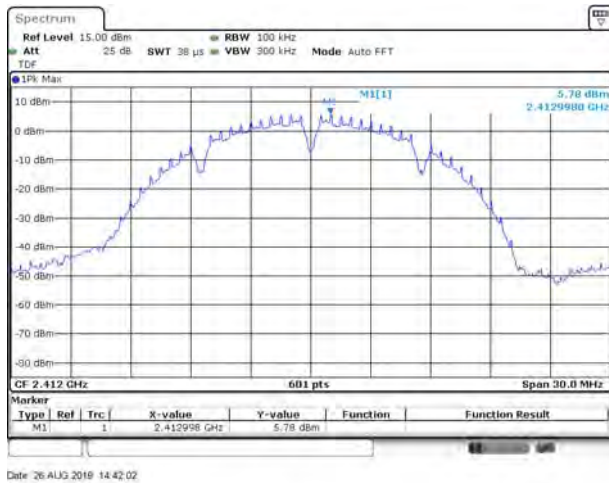
802.11n-40 MIDDLE CHANNEL, SPURIOUS
30 MHz ~ 3 GHz

802.11n-40 MIDDLE CHANNEL, SPURIOUS
2 GHz ~ 25 GHz


802.11n-40 HIGH CHANNEL CARRIER LEVEL

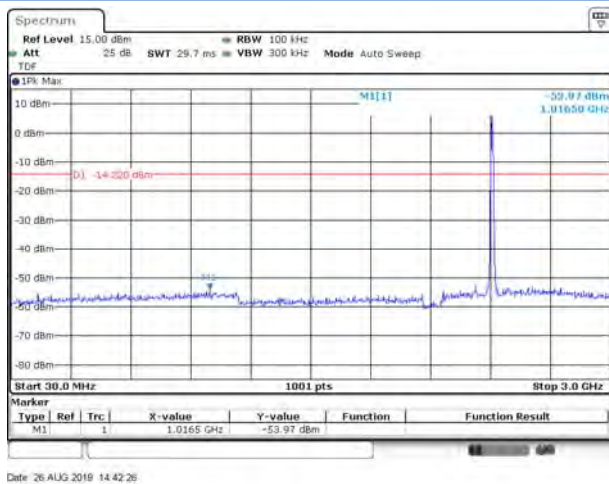

802.11n-40 HIGH CHANNEL, SPURIOUS
30 MHz ~ 3 GHz

802.11n-40 HIGH CHANNEL, SPURIOUS
2 GHz ~ 25 GHz


10.1 inch

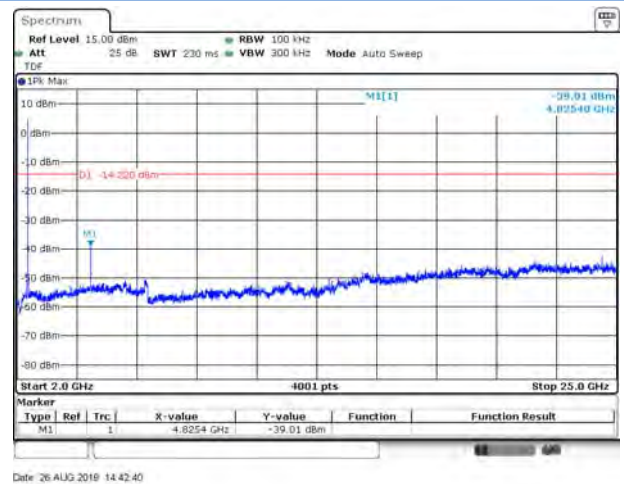
802.11b LOW CHANNEL CARRIER LEVEL



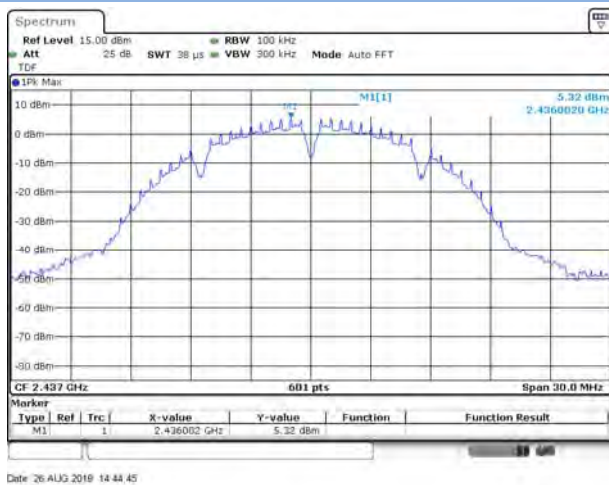
802.11b LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz

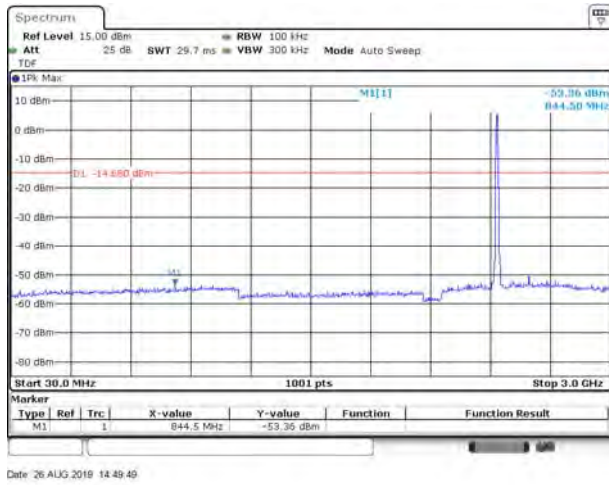
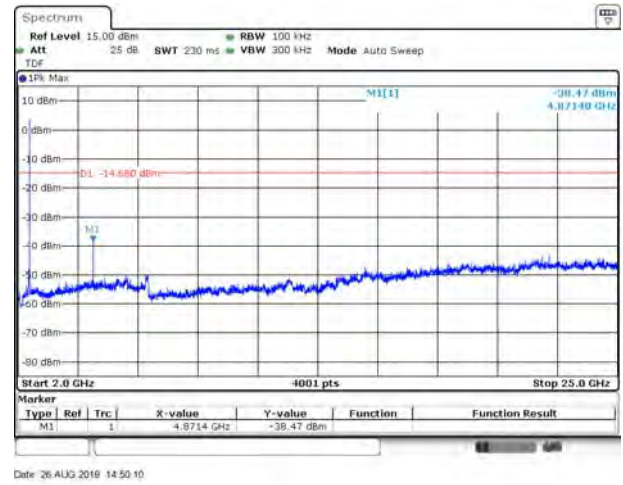


802.11b LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz

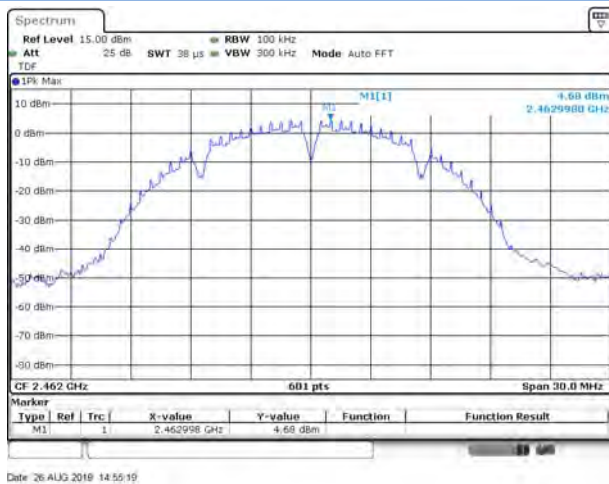
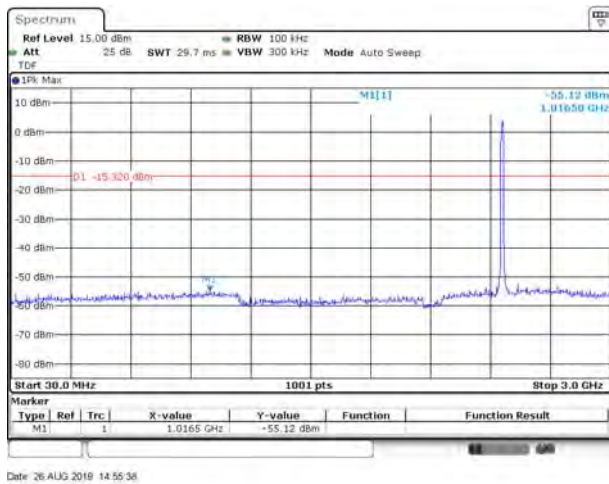
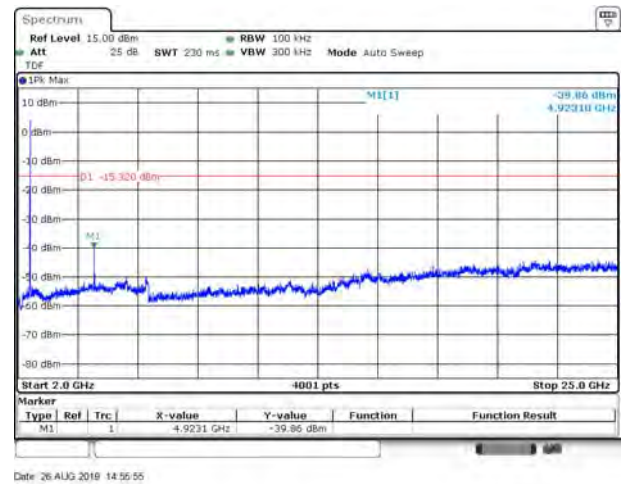


802.11b MIDDLE CHANNEL CARRIER LEVEL

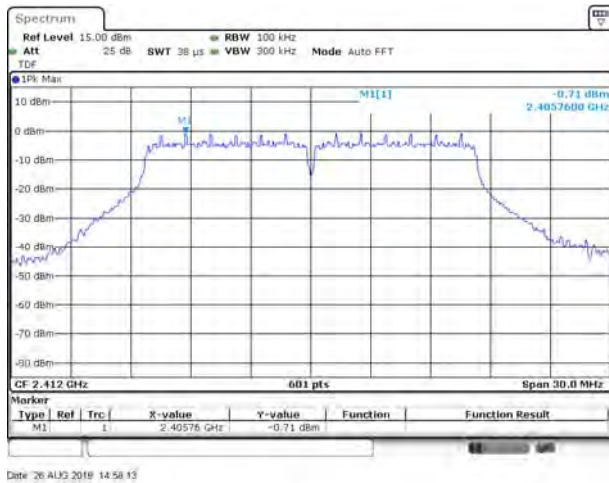


802.11b MIDDLE CHANNEL, SPURIOUS
30 MHz ~ 3 GHz

802.11b MIDDLE CHANNEL, SPURIOUS
2 GHz ~ 25 GHz


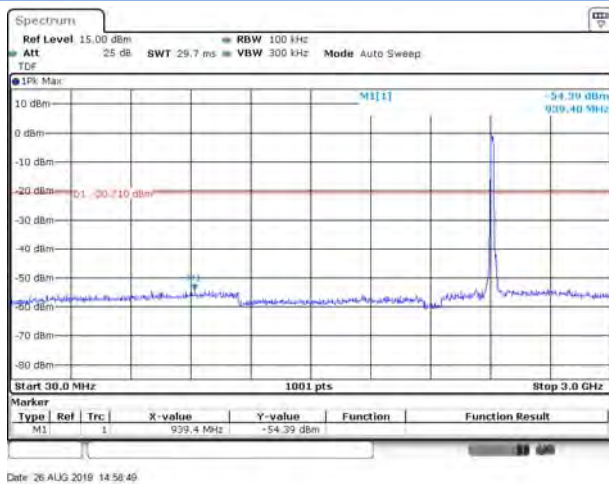
802.11b HIGH CHANNEL CARRIER LEVEL


802.11b HIGH CHANNEL, SPURIOUS
30 MHz ~ 3 GHz

802.11b HIGH CHANNEL, SPURIOUS
2 GHz ~ 25 GHz


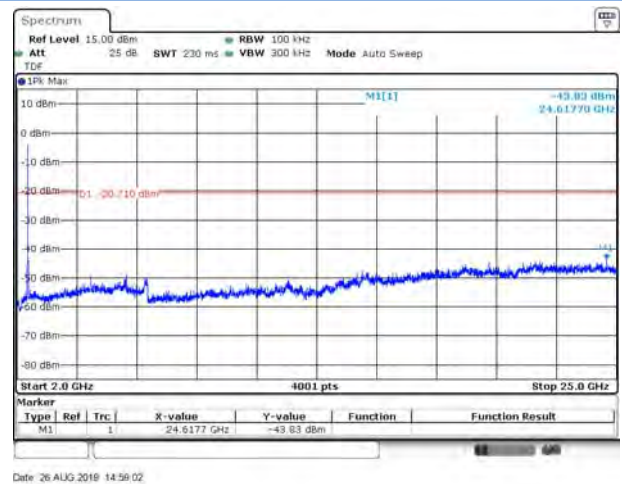
802.11g LOW CHANNEL CARRIER LEVEL



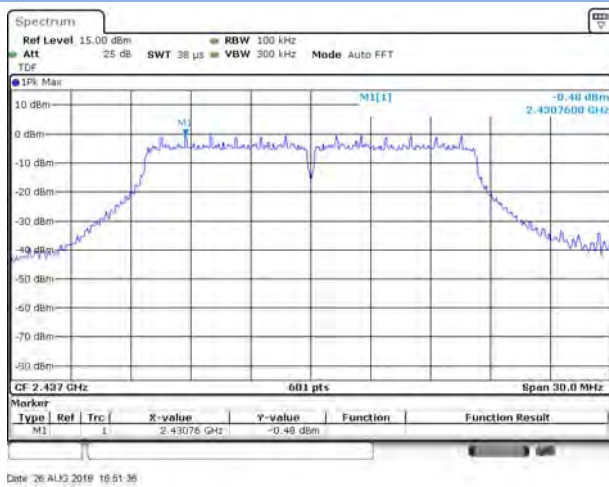
802.11g LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz

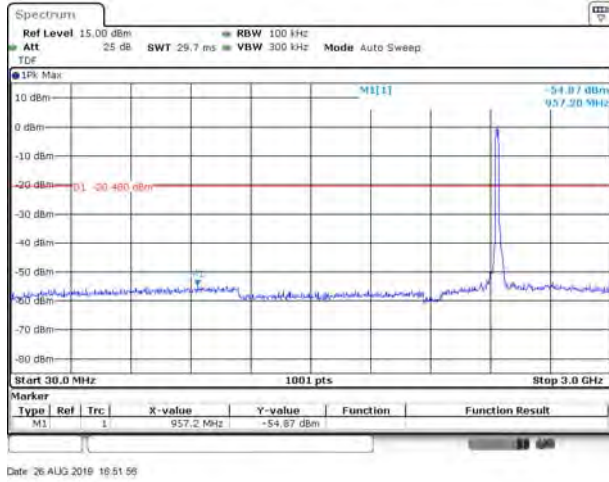
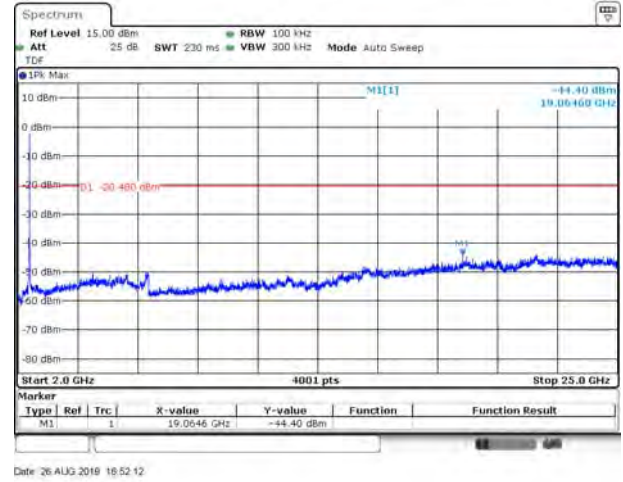


802.11g LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz

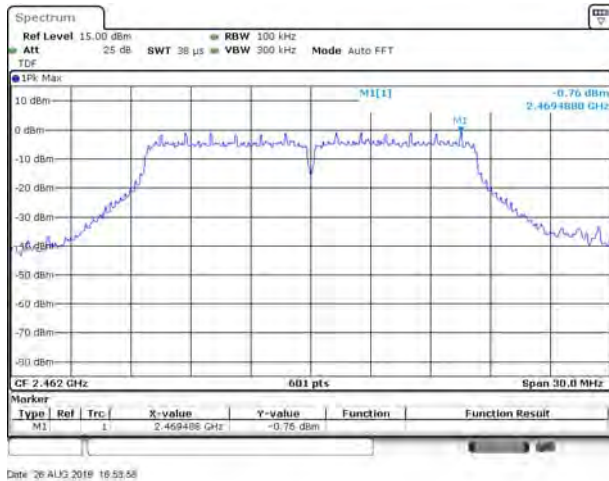
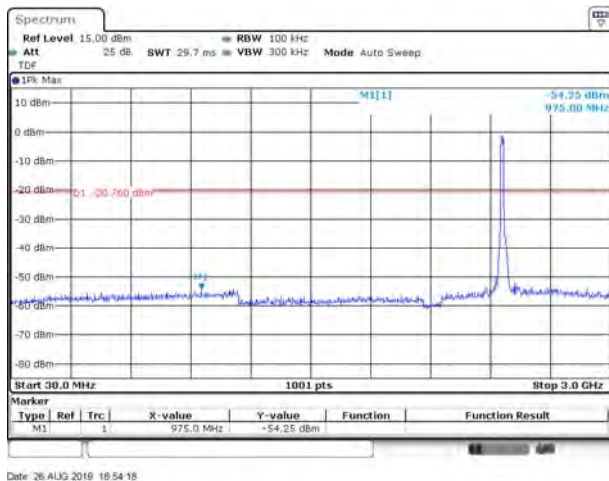
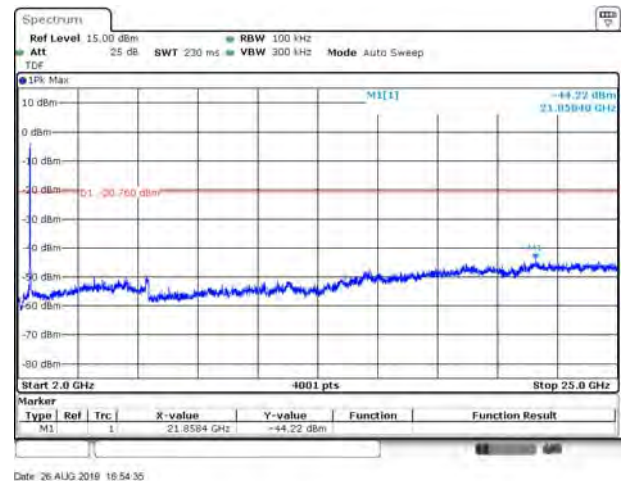


802.11g MIDDLE CHANNEL CARRIER LEVEL

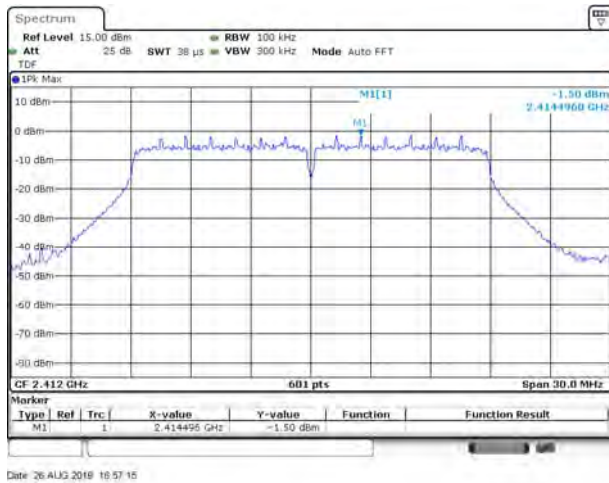


802.11g MIDDLE CHANNEL, SPURIOUS
30 MHz ~ 3 GHz

802.11g MIDDLE CHANNEL, SPURIOUS
2 GHz ~ 25 GHz


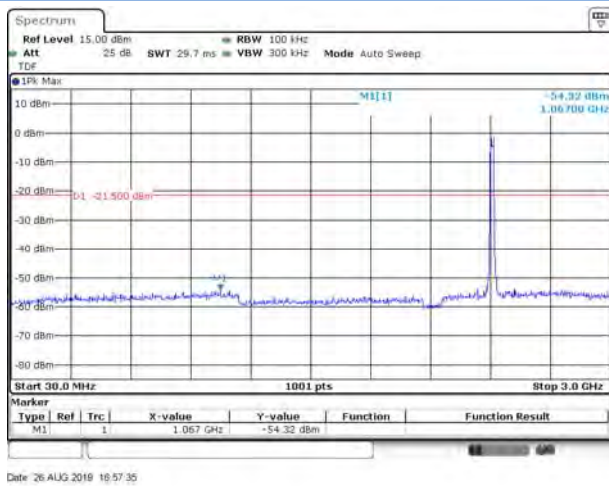
802.11g HIGH CHANNEL CARRIER LEVEL


802.11g HIGH CHANNEL, SPURIOUS
30 MHz ~ 3 GHz

802.11g HIGH CHANNEL, SPURIOUS
2 GHz ~ 25 GHz


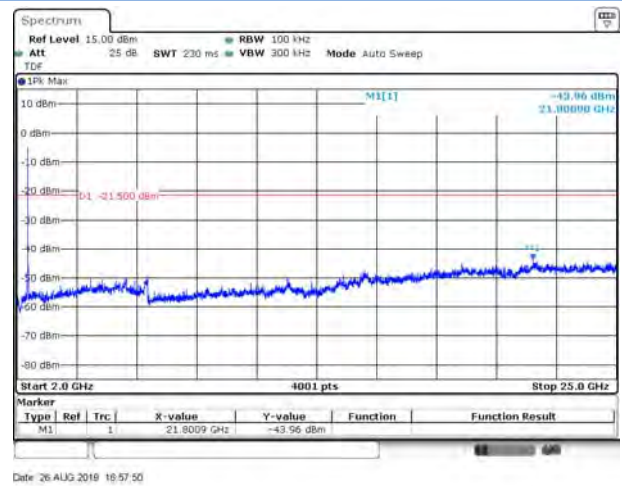
802.11n-20 LOW CHANNEL CARRIER LEVEL



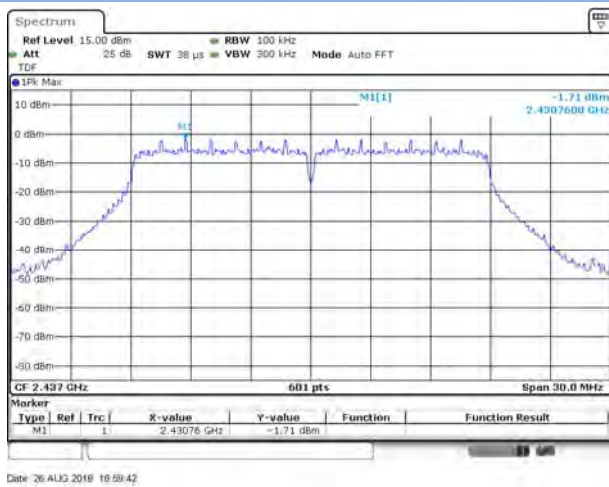
802.11n-20 LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



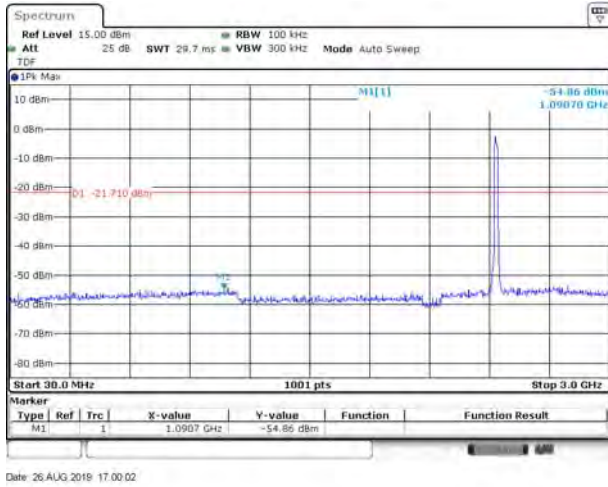
802.11n-20 LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



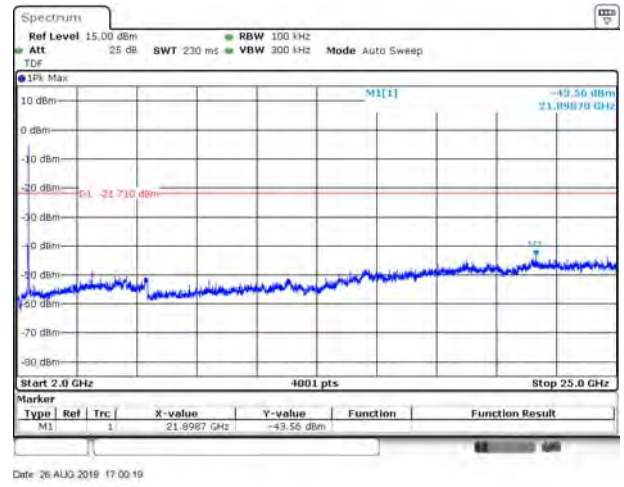
802.11n-20 MIDDLE CHANNEL CARRIER LEVEL



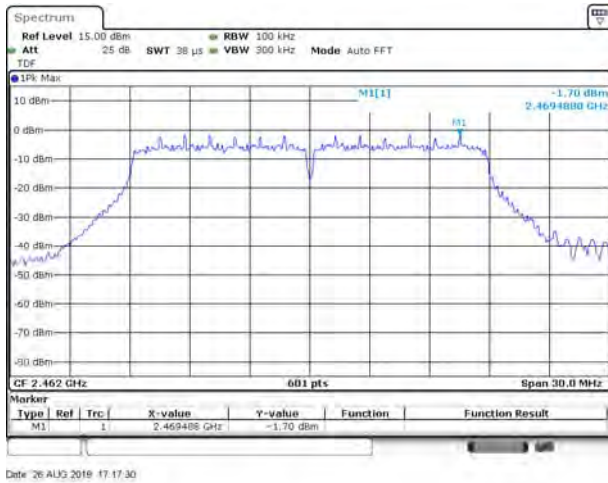
802.11n-20 MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



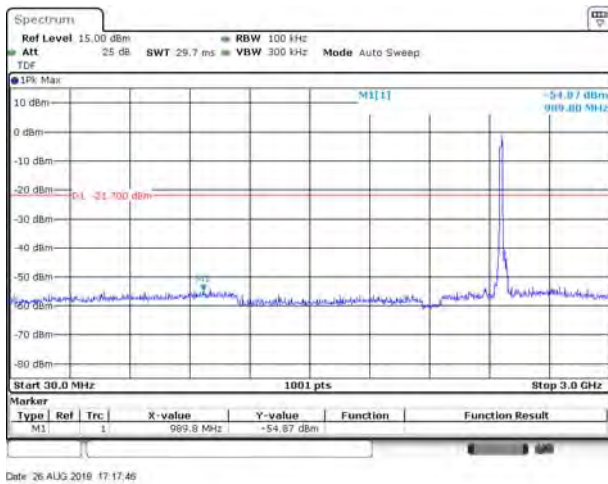
802.11n-20 MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



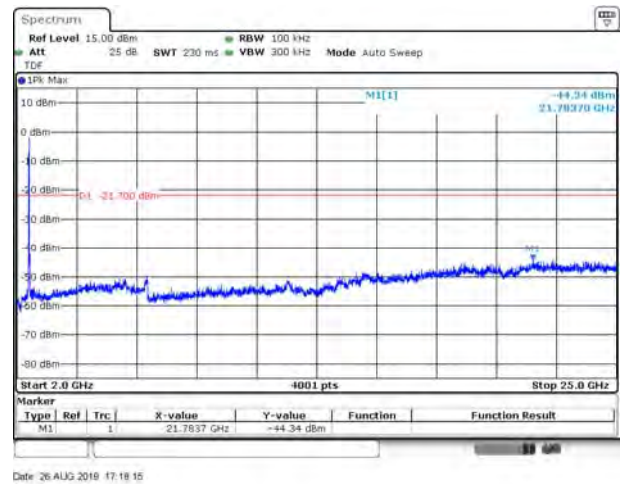
802.11n-20 HIGH CHANNEL CARRIER LEVEL



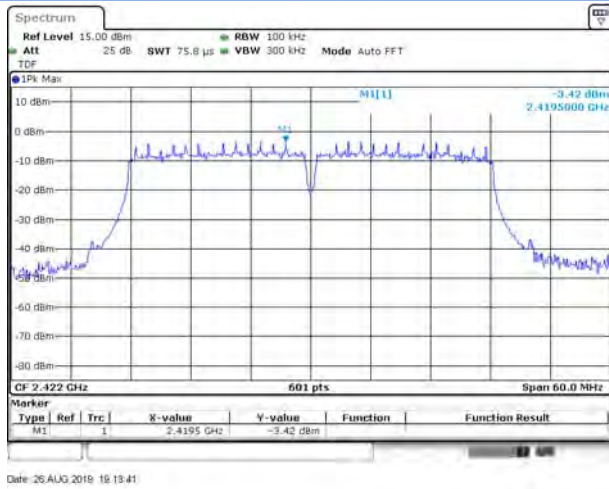
802.11n-20 HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



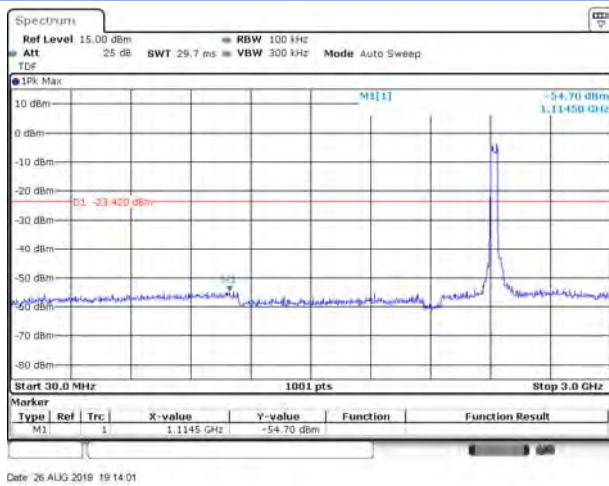
802.11n-20 HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



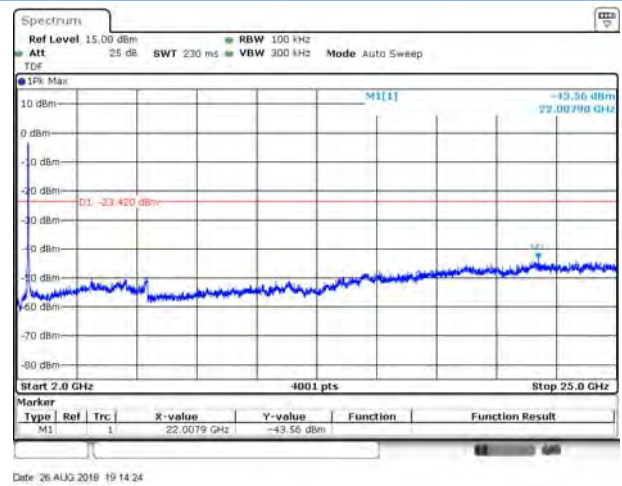
802.11n-40 LOW CHANNEL CARRIER LEVEL



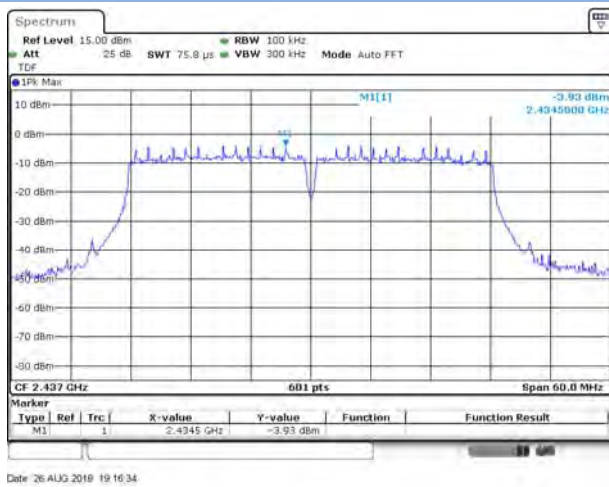
802.11n-40 LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz

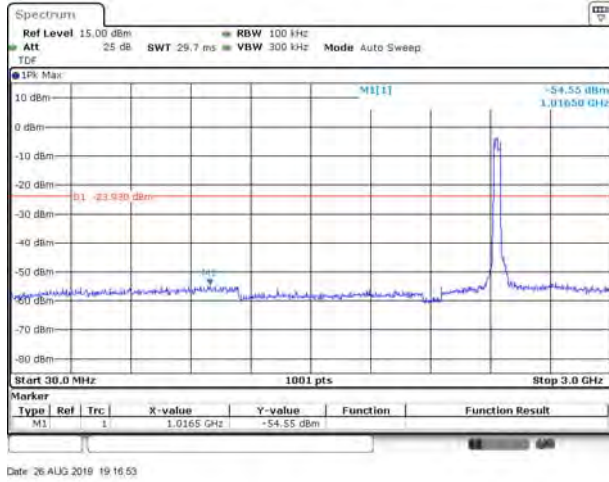
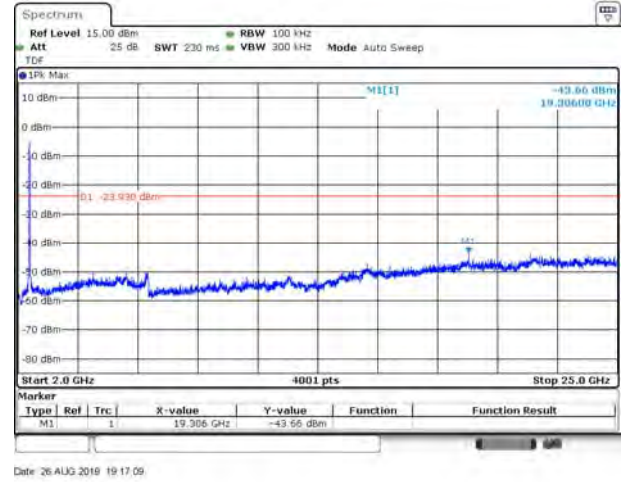


802.11n-40 LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz

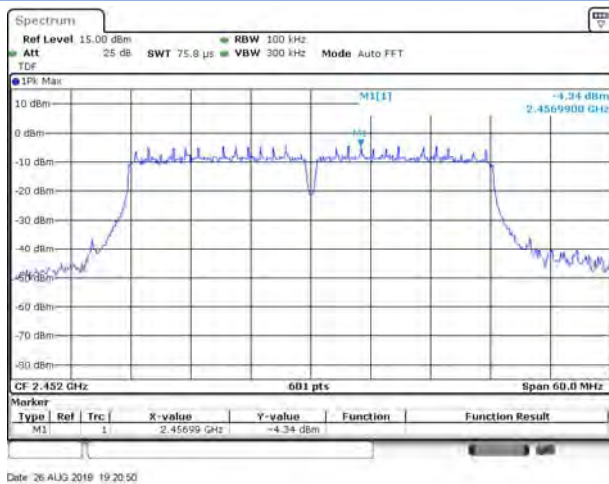
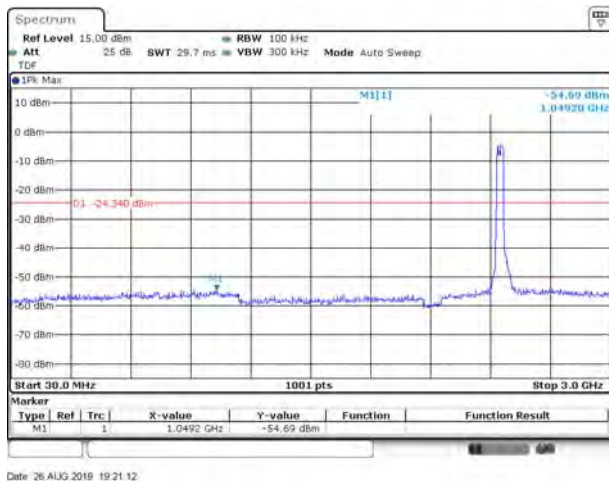
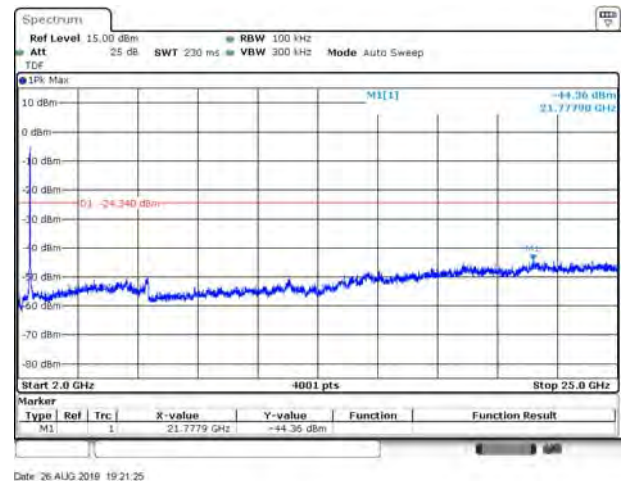


802.11n-40 MIDDLE CHANNEL CARRIER LEVEL



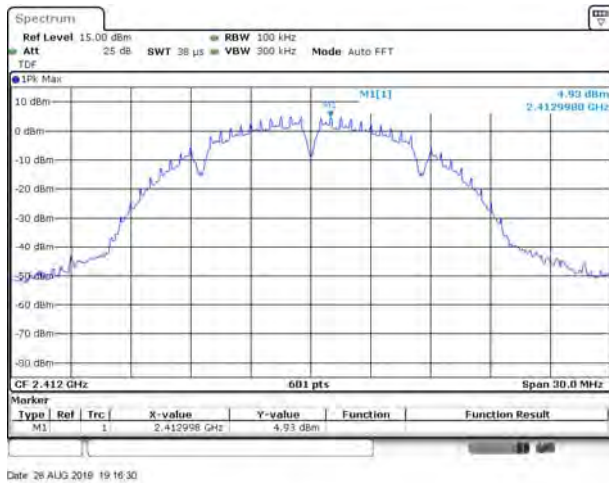
802.11n-40 MIDDLE CHANNEL, SPURIOUS
30 MHz ~ 3 GHz

802.11n-40 MIDDLE CHANNEL, SPURIOUS
2 GHz ~ 25 GHz


802.11n-40 HIGH CHANNEL CARRIER LEVEL

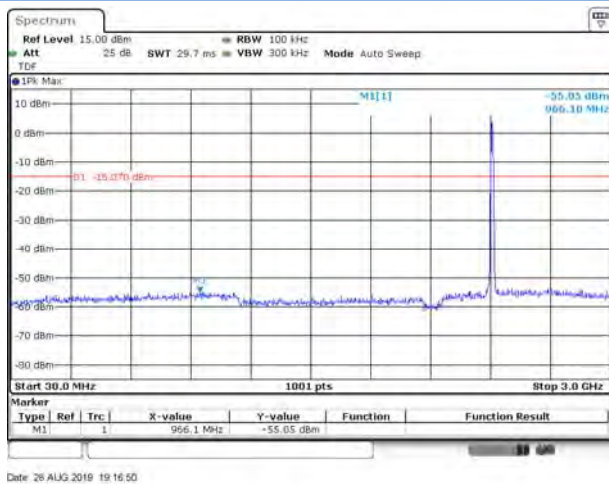

802.11n-40 HIGH CHANNEL, SPURIOUS
30 MHz ~ 3 GHz

802.11n-40 HIGH CHANNEL, SPURIOUS
2 GHz ~ 25 GHz


11.5 inch

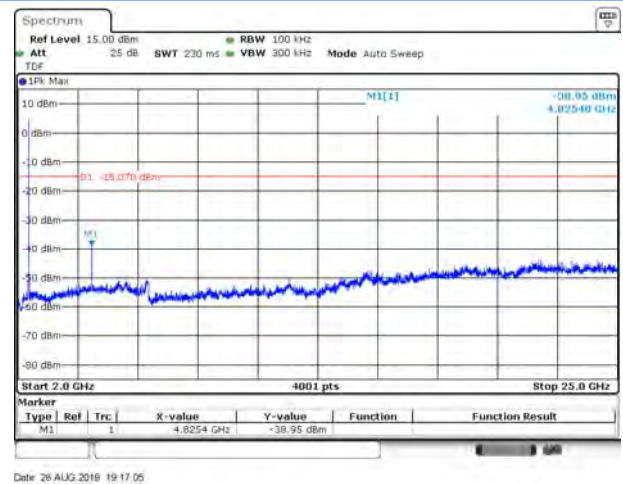
802.11b LOW CHANNEL CARRIER LEVEL



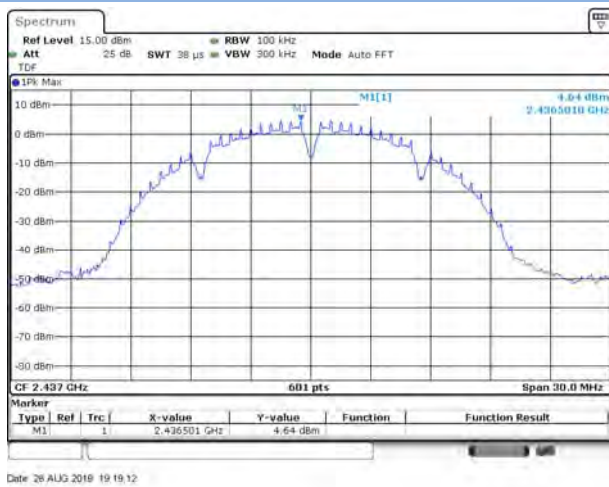
802.11b LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



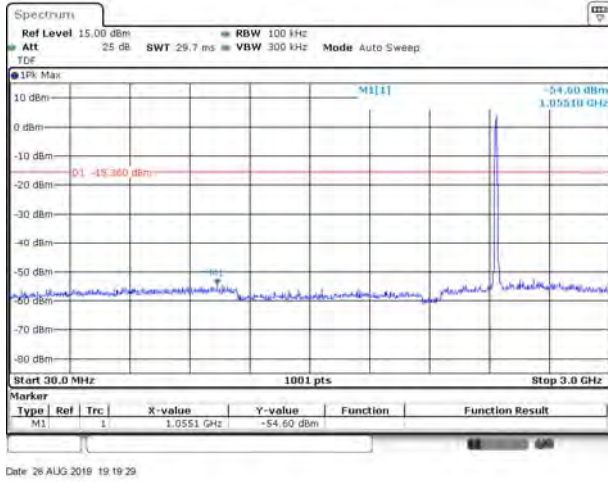
802.11b LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



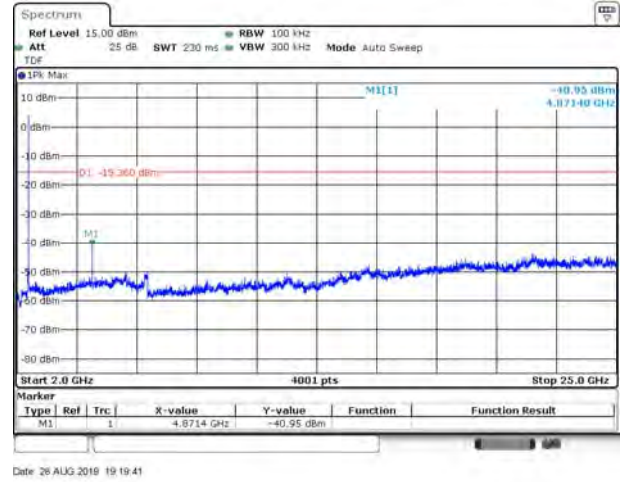
802.11b MIDDLE CHANNEL CARRIER LEVEL



802.11b MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



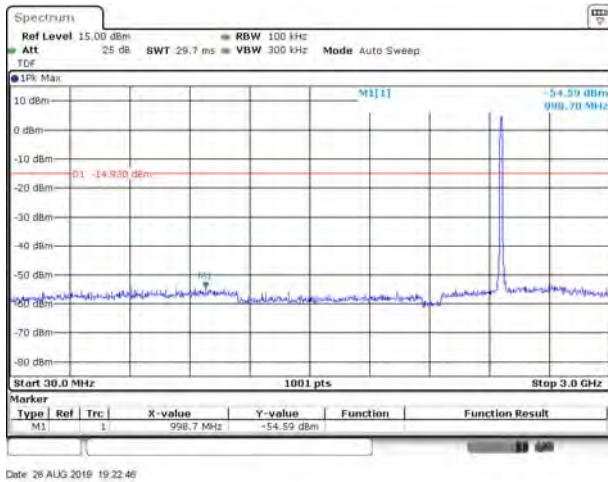
802.11b MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



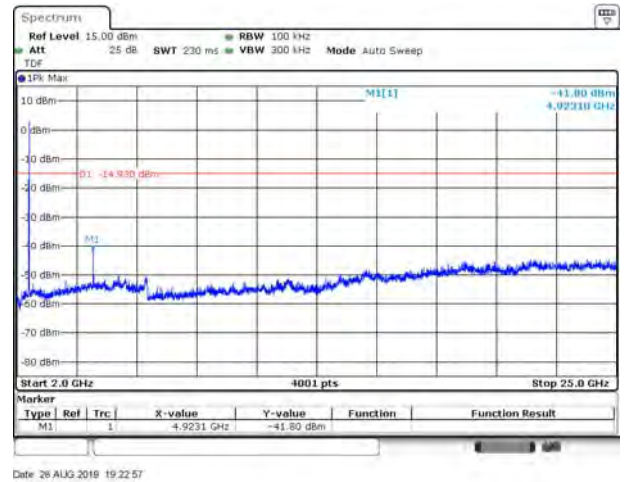
802.11b HIGH CHANNEL CARRIER LEVEL



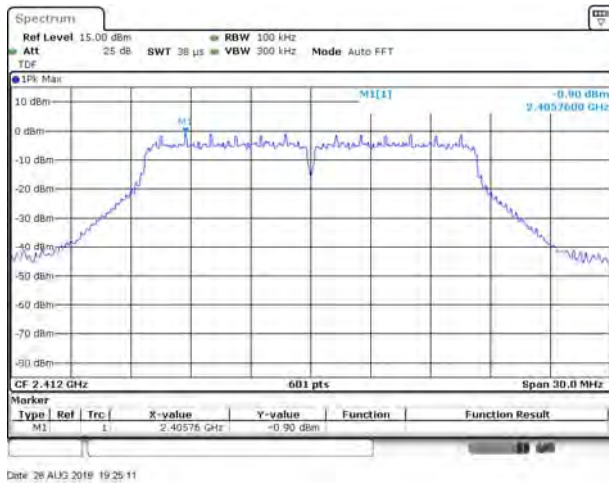
802.11b HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



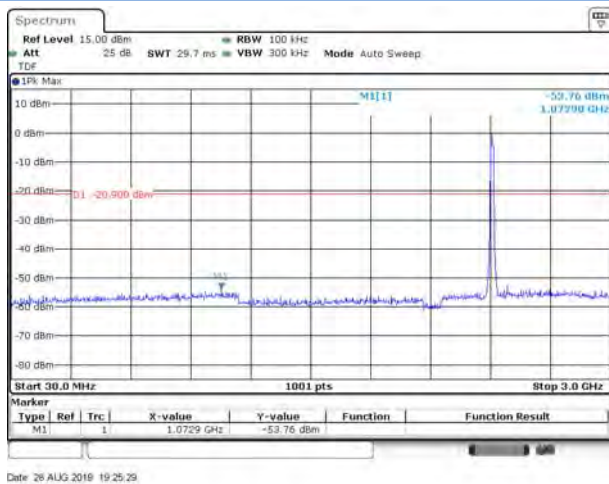
802.11b HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



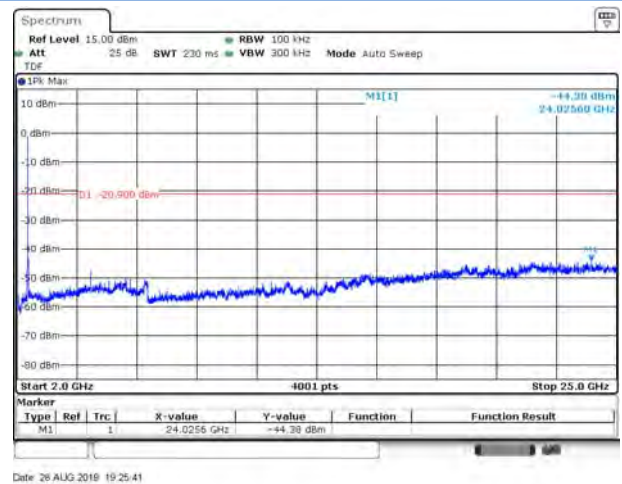
802.11g LOW CHANNEL CARRIER LEVEL



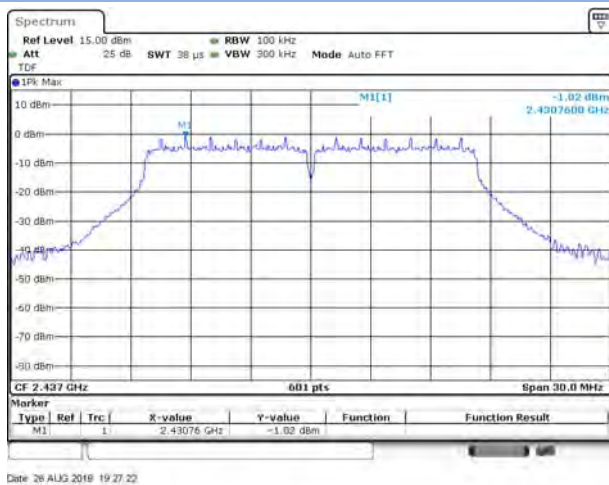
802.11g LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



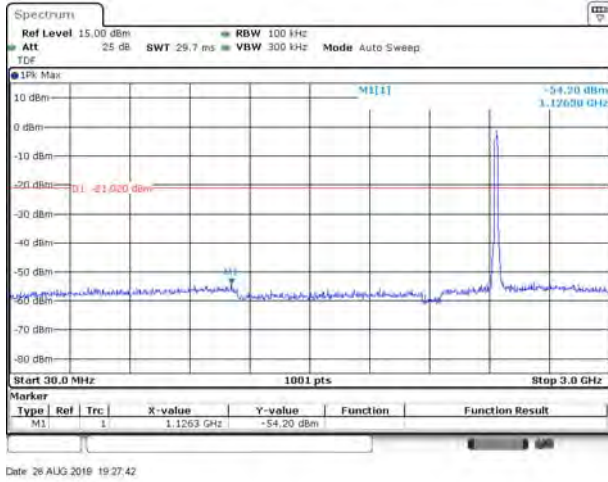
802.11g LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



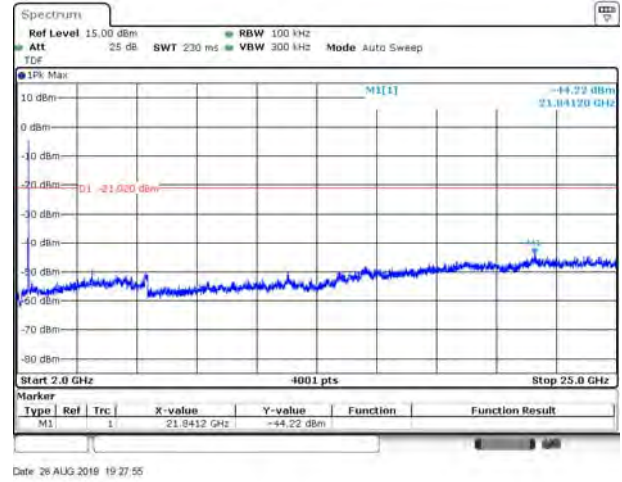
802.11g MIDDLE CHANNEL CARRIER LEVEL



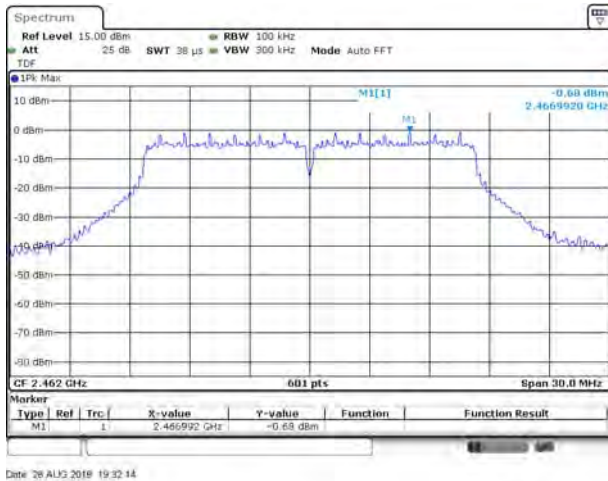
802.11g MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



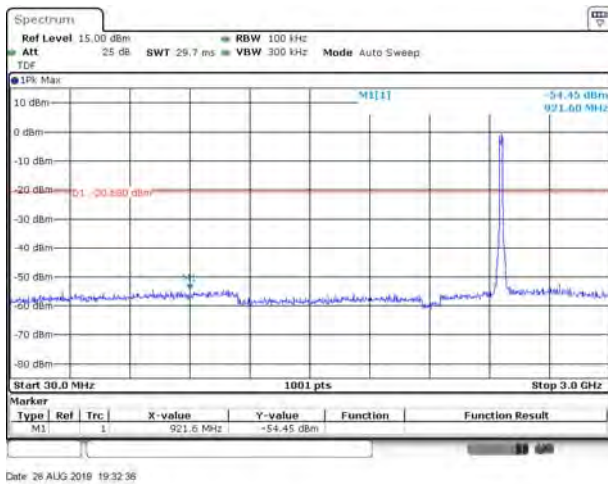
802.11g MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



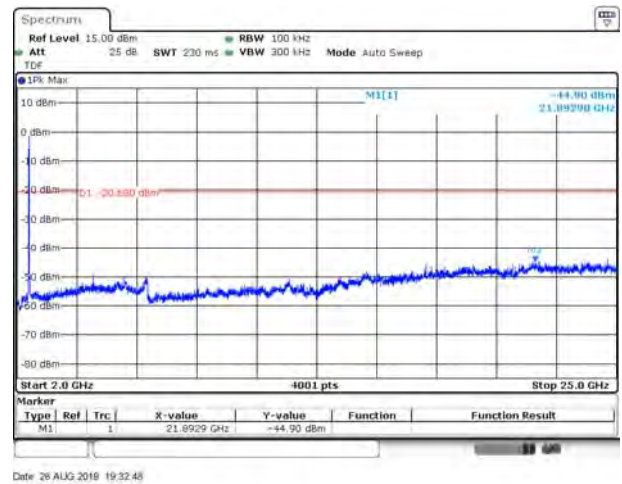
802.11g HIGH CHANNEL CARRIER LEVEL



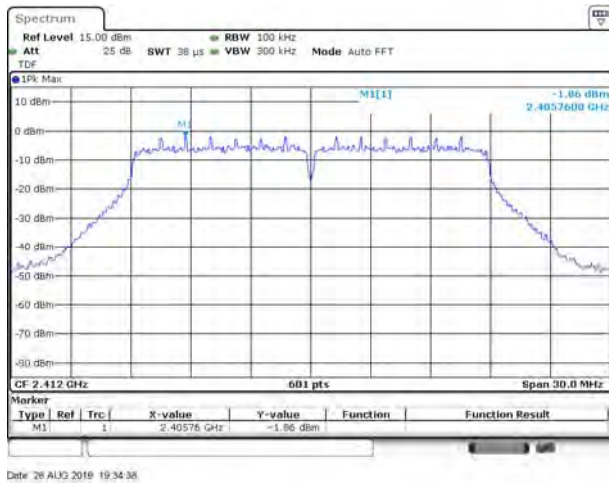
802.11g HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



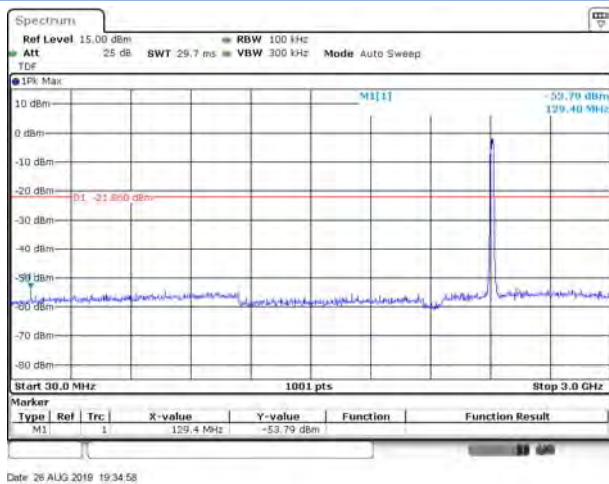
802.11g HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



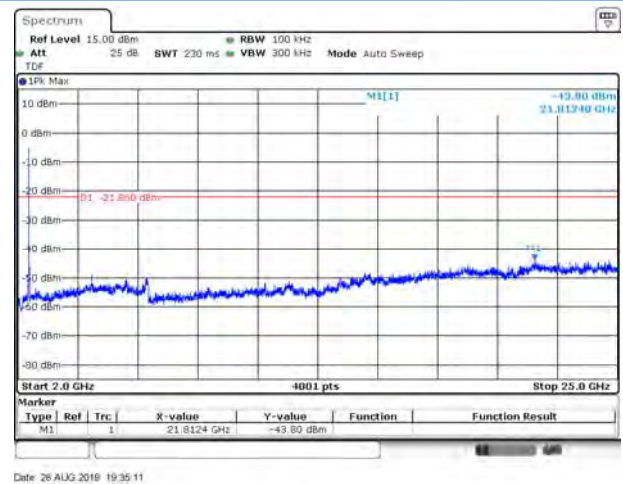
802.11n-20 LOW CHANNEL CARRIER LEVEL



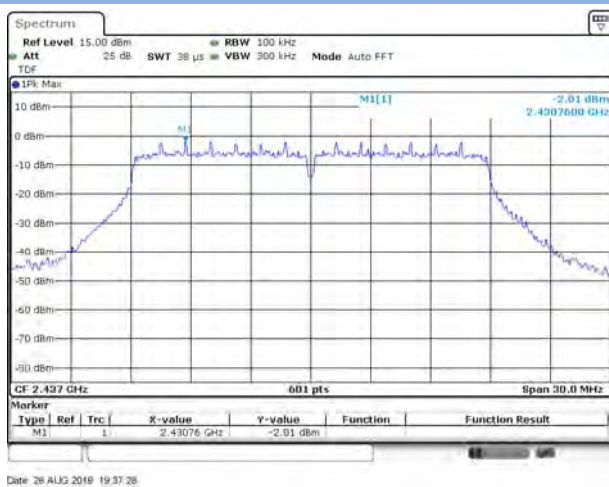
802.11n-20 LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz

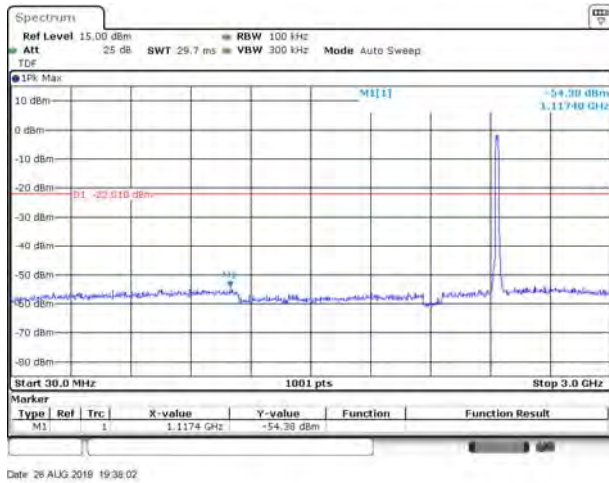
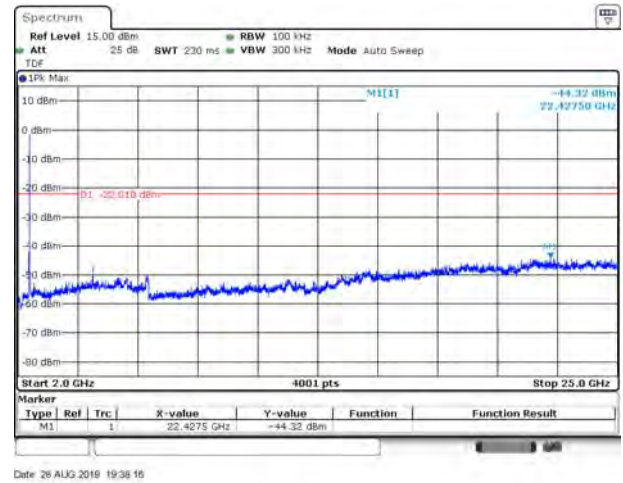


802.11n-20 LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz

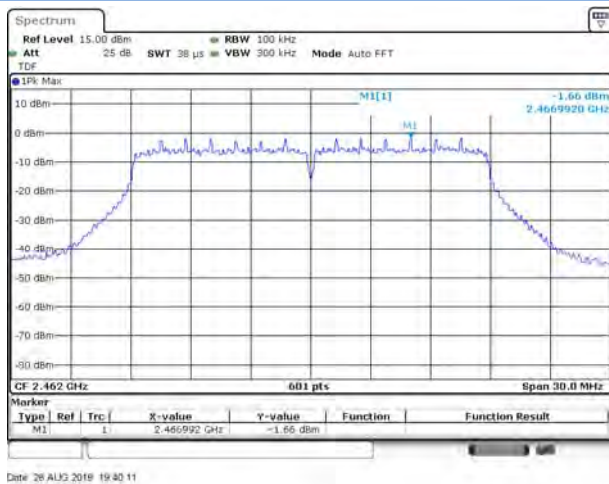
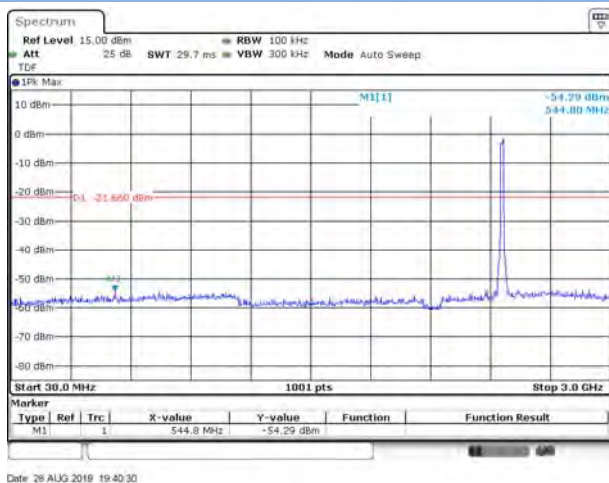
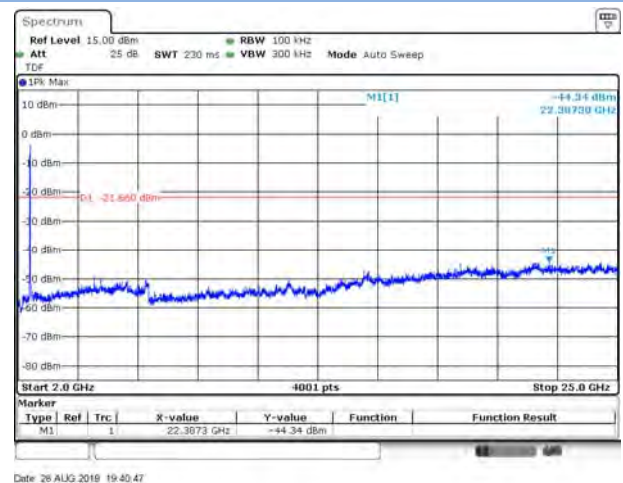


802.11n-20 MIDDLE CHANNEL CARRIER LEVEL

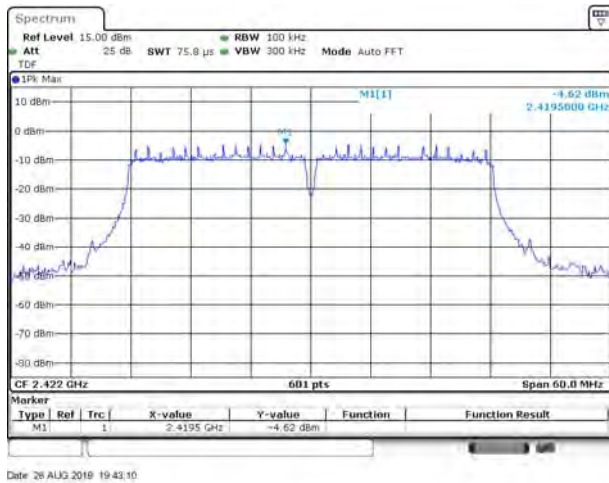


802.11n-20 MIDDLE CHANNEL, SPURIOUS
30 MHz ~ 3 GHz

802.11n-20 MIDDLE CHANNEL, SPURIOUS
2 GHz ~ 25 GHz


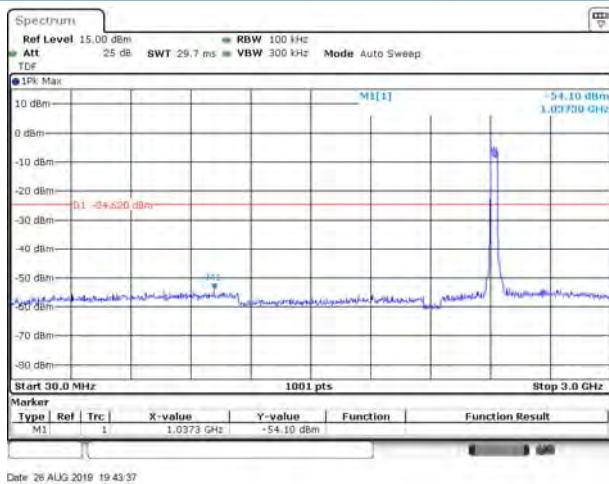
802.11n-20 HIGH CHANNEL CARRIER LEVEL


802.11n-20 HIGH CHANNEL, SPURIOUS
30 MHz ~ 3 GHz

802.11n-20 HIGH CHANNEL, SPURIOUS
2 GHz ~ 25 GHz


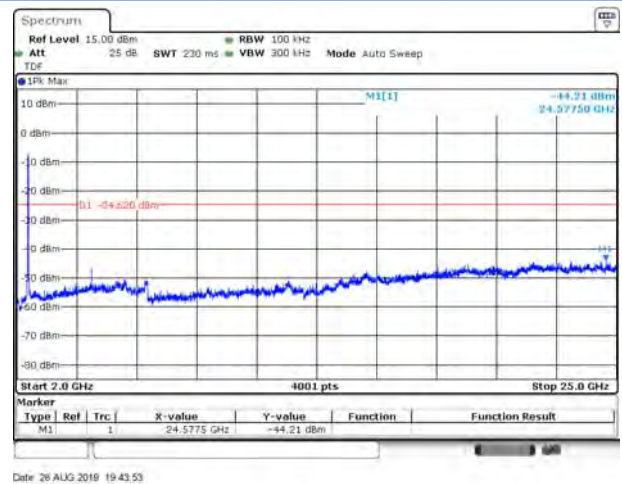
802.11n-40 LOW CHANNEL CARRIER LEVEL



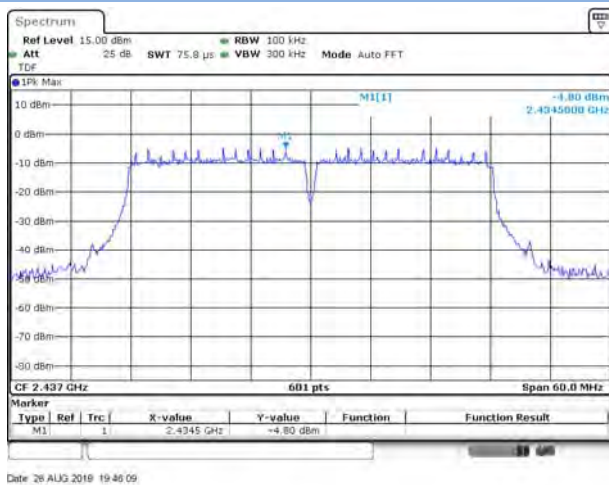
802.11n-40 LOW CHANNEL, SPURIOUS 30 MHz ~ 3 GHz

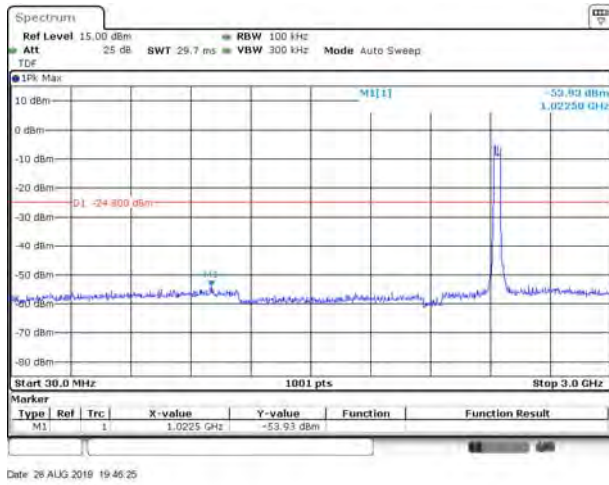
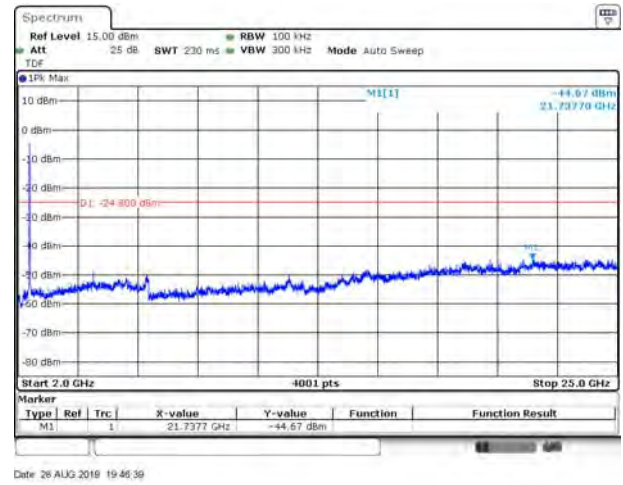


802.11n-40 LOW CHANNEL, SPURIOUS 2 GHz ~ 25 GHz

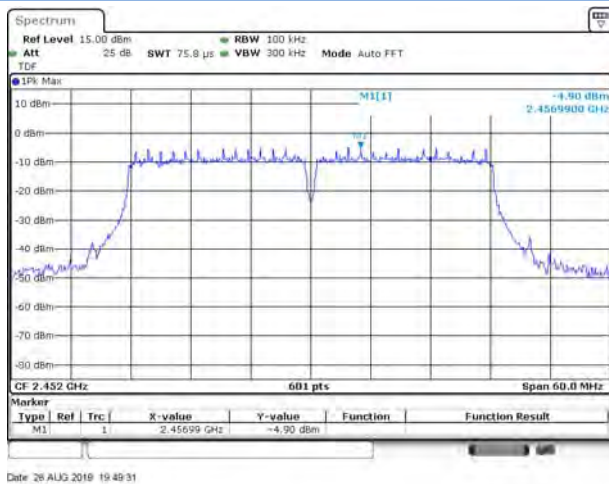
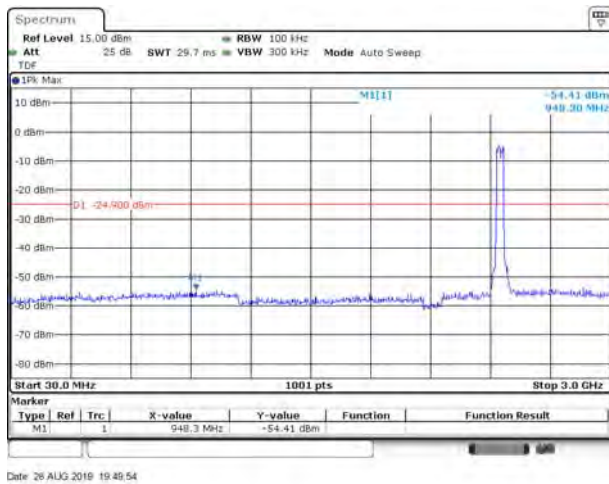
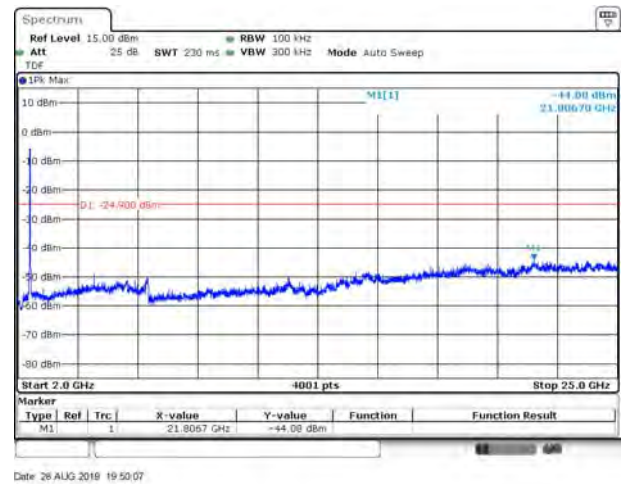


802.11n-40 MIDDLE CHANNEL CARRIER LEVEL



802.11n-40 MIDDLE CHANNEL, SPURIOUS
30 MHz ~ 3 GHz

802.11n-40 MIDDLE CHANNEL, SPURIOUS
2 GHz ~ 25 GHz


802.11n-40 HIGH CHANNEL CARRIER LEVEL


802.11n-40 HIGH CHANNEL, SPURIOUS
30 MHz ~ 3 GHz

802.11n-40 HIGH CHANNEL, SPURIOUS
2 GHz ~ 25 GHz


A.4 Band Edge (Authorized-band band-edge)

Note: The 99% OBW of the fundamental emission is without 2 MHz of the authorized band.

Test Data

8 inch

802.11b Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-41.80	6.50	-13.50	Pass
High Channel	-47.98	6.09	-13.91	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-38.62	-0.70	-20.70	Pass
High Channel	-43.78	-0.74	-20.74	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-38.78	-1.26	-21.26	Pass
High Channel	-46.85	-1.38	-21.38	Pass

802.11n-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-41.11	-4.29	-24.29	Pass
High Channel	-46.07	-4.45	-24.45	Pass

10.1 inch

802.11b Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-41.43	5.78	-14.22	Pass
High Channel	-48.98	4.68	-15.32	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-36.17	-0.71	-20.71	Pass
High Channel	-38.31	-0.76	-20.76	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-38.13	-1.50	-21.50	Pass
High Channel	-40.91	-1.70	-21.70	Pass

802.11n-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-38.37	-3.42	-23.42	Pass
High Channel	-41.09	-4.34	-24.34	Pass

11.5 inch

802.11b Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-42.49	4.93	-15.07	Pass
High Channel	-48.76	5.07	-14.93	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-37.30	-0.90	-20.90	Pass
High Channel	-45.52	-0.68	-20.68	Pass

802.11n-20 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-37.82	-1.86	-21.86	Pass
High Channel	-43.37	-1.66	-21.66	Pass

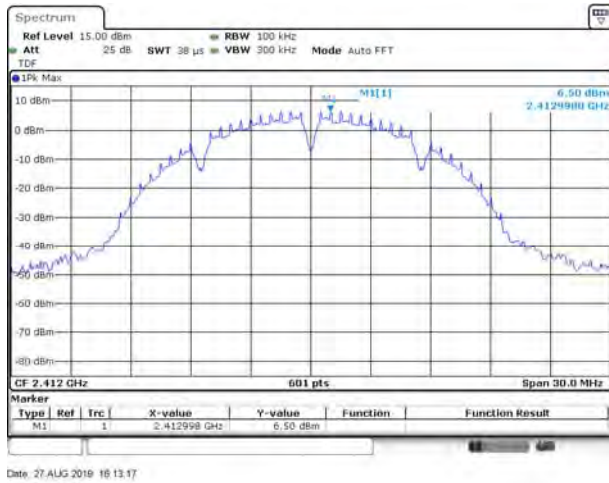
802.11n-40 MHz Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-39.89	-4.62	-24.62	Pass
High Channel	-43.73	-4.90	-24.90	Pass

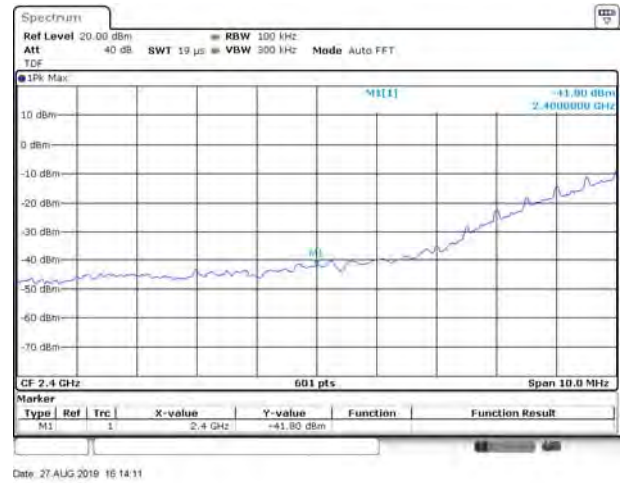
Test Plots

8 inch

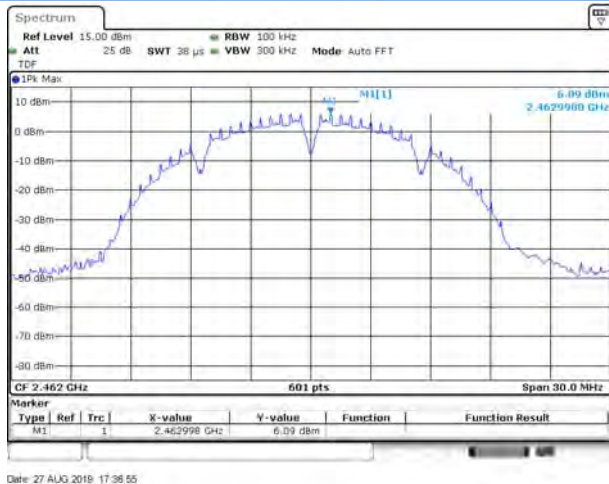
802.11b LOW CHANNEL, Carrier level



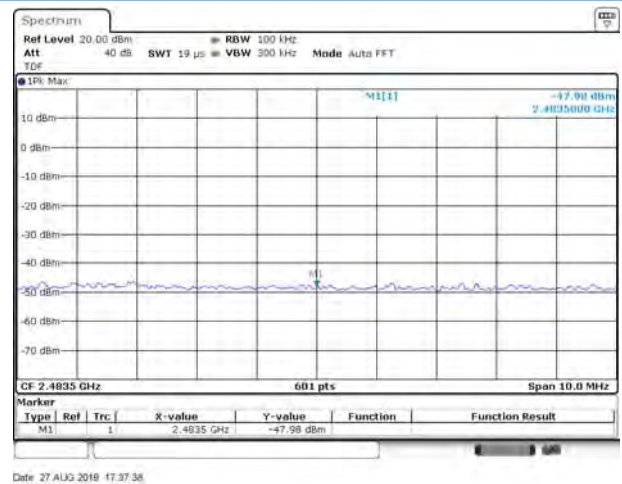
802.11b LOW CHANNEL, Reference level



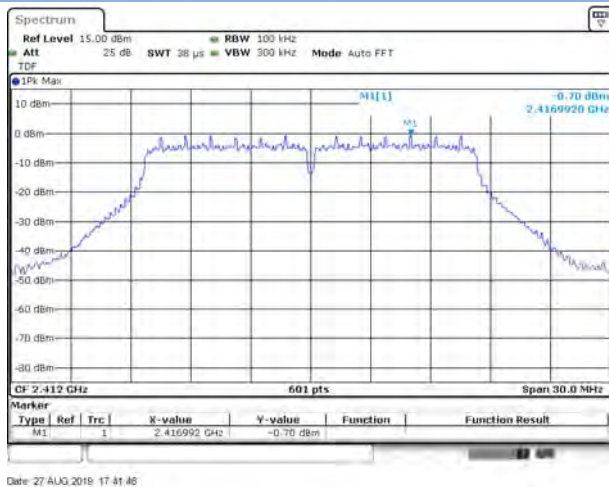
802.11b HIGH CHANNEL, Carrier level



802.11b HIGH CHANNEL, Reference level



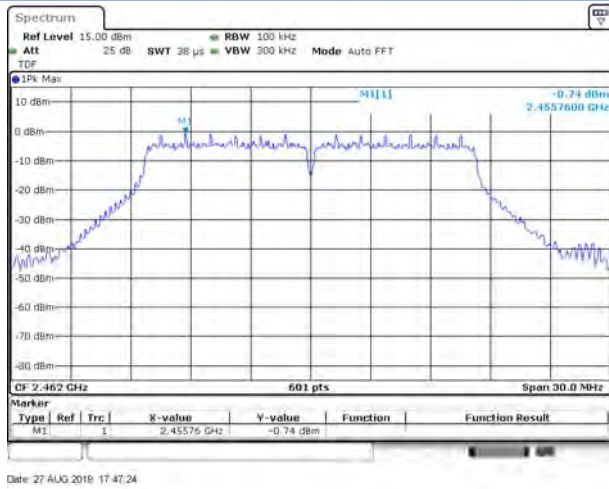
802.11g LOW CHANNEL, Carrier level



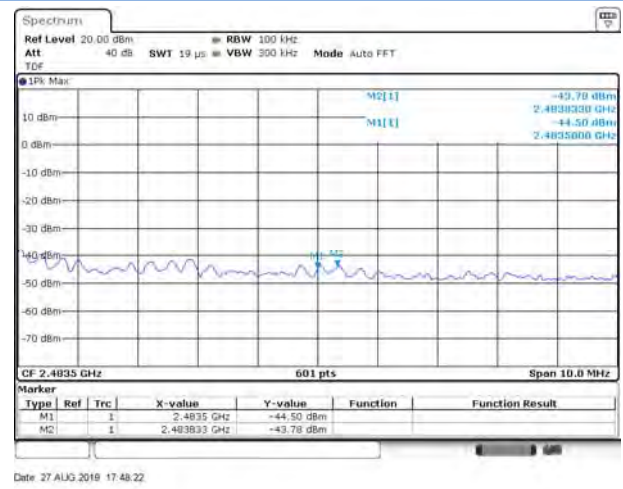
802.11g LOW CHANNEL, Reference level



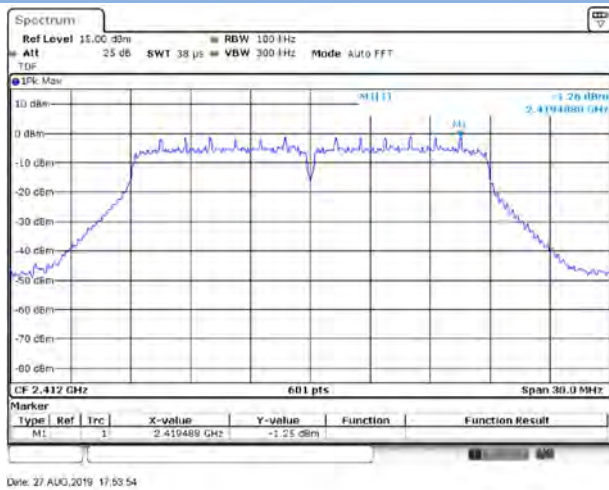
802.11g HIGH CHANNEL, Carrier level



802.11g HIGH CHANNEL, Reference level



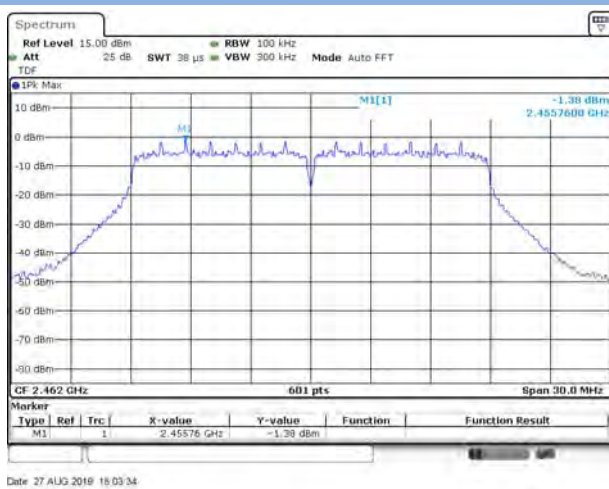
802.11n-20 MHz LOW CHANNEL, Carrier level



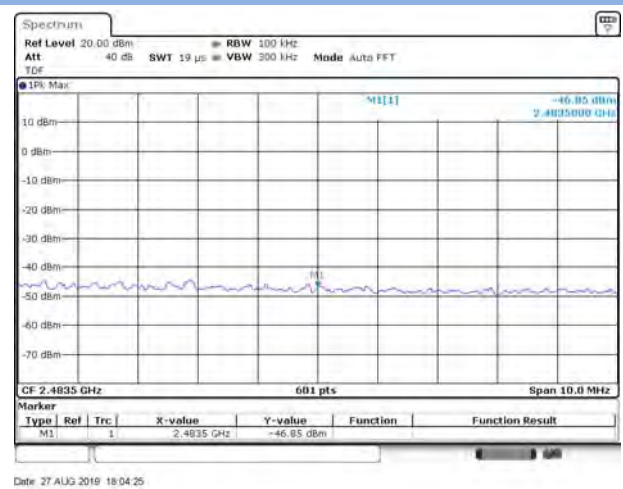
802.11n-20 MHz LOW CHANNEL, Reference level



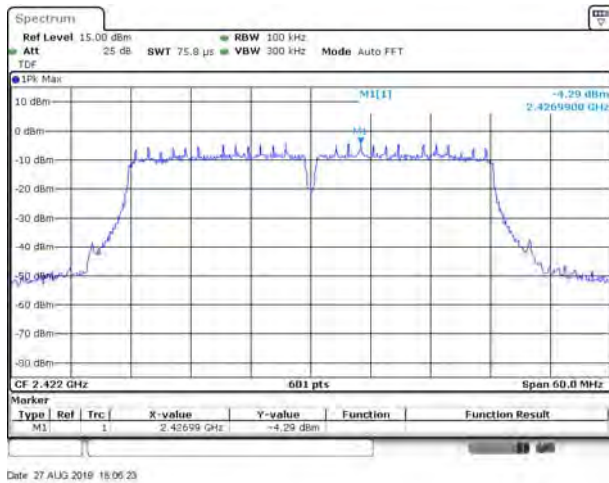
802.11n-20 MHz HIGH CHANNEL, Carrier level



802.11n-20 MHz HIGH CHANNEL, Reference level



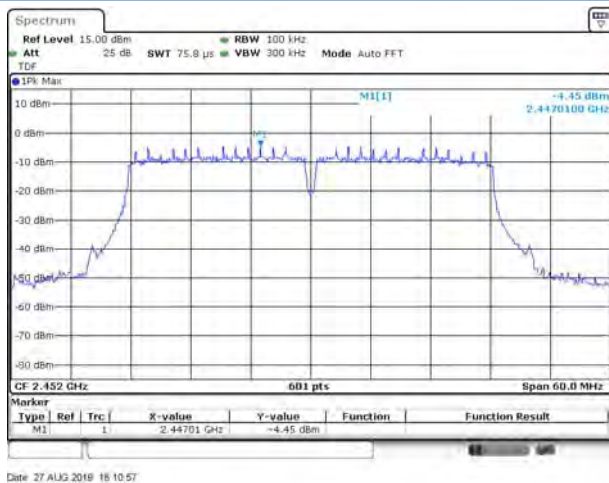
802.11n-40 MHz LOW CHANNEL, Carrier level



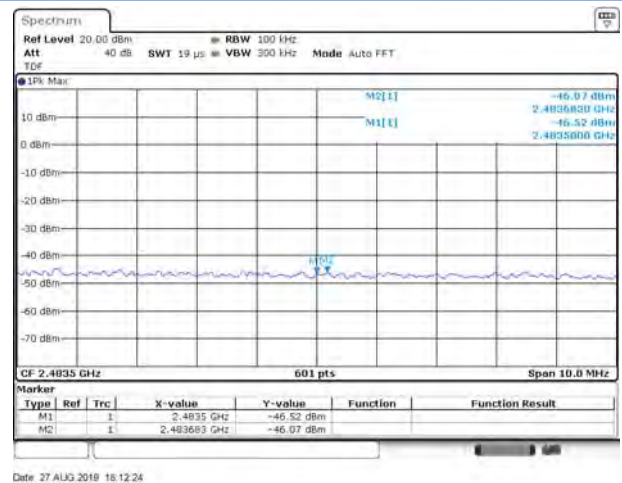
802.11n-40 MHz LOW CHANNEL, Reference level



802.11n-40 MHz HIGH CHANNEL, Carrier level

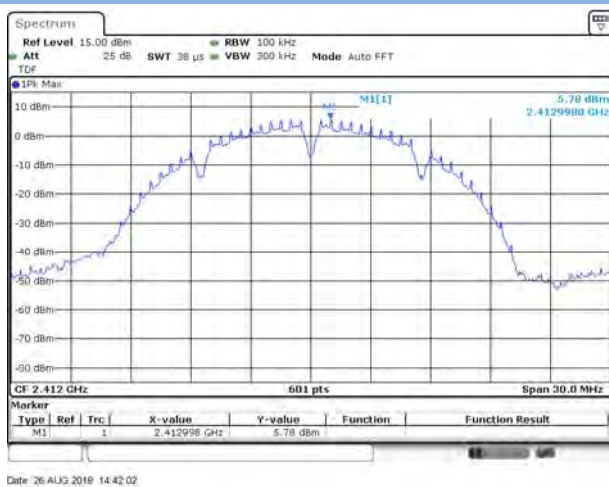


802.11n-40 MHz HIGH CHANNEL, Reference level



10.1 inch

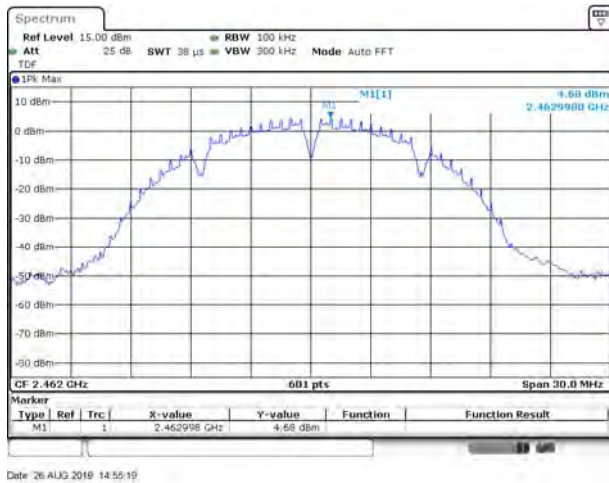
802.11b LOW CHANNEL, Carrier level



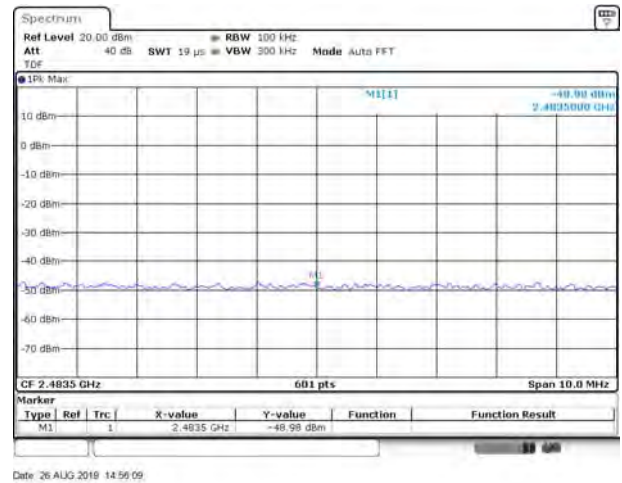
802.11b LOW CHANNEL, Reference level



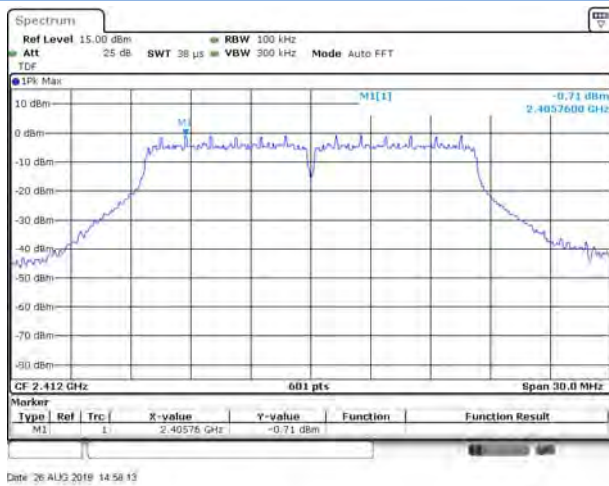
802.11b HIGH CHANNEL, Carrier level



802.11b HIGH CHANNEL, Reference level



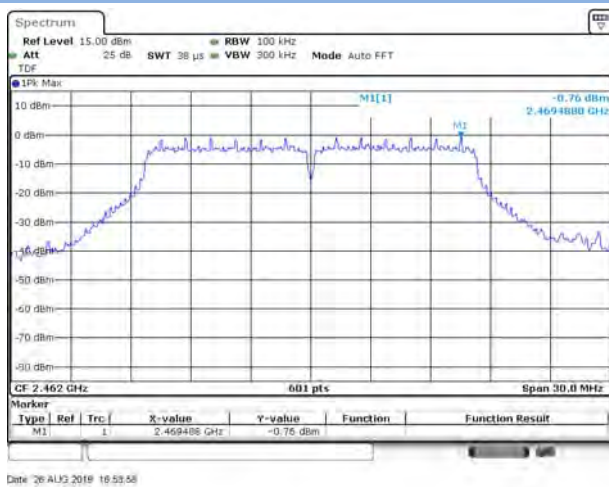
802.11g LOW CHANNEL, Carrier level



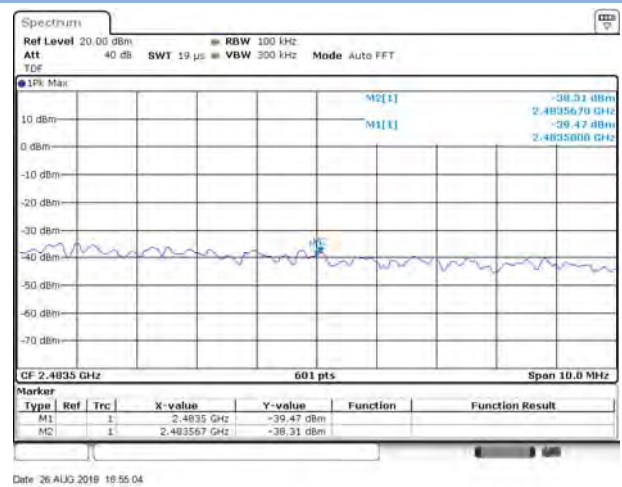
802.11g LOW CHANNEL, Reference level



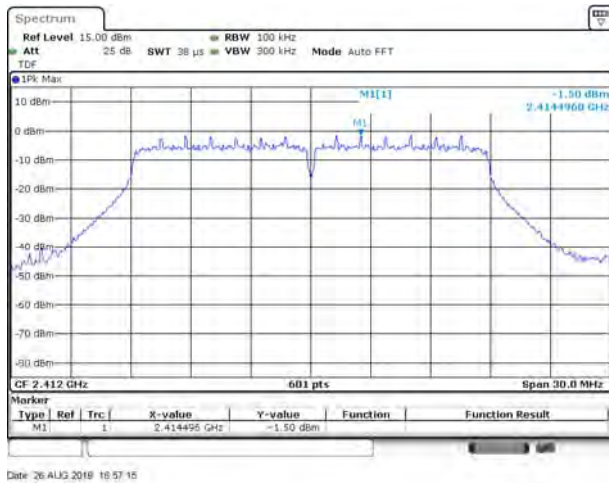
802.11g HIGH CHANNEL, Carrier level



802.11g HIGH CHANNEL, Reference level



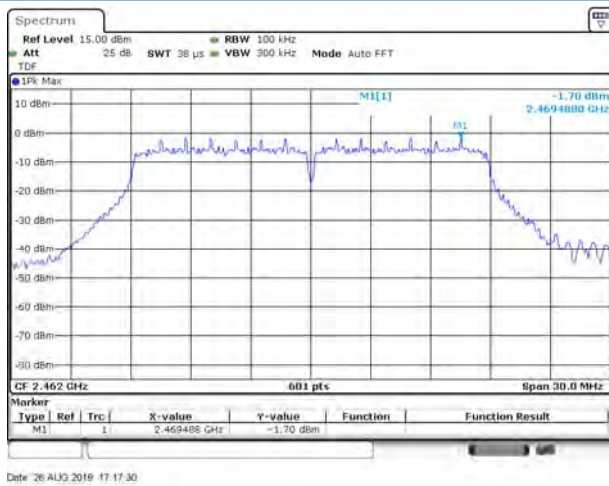
802.11n-20 MHz LOW CHANNEL, Carrier level



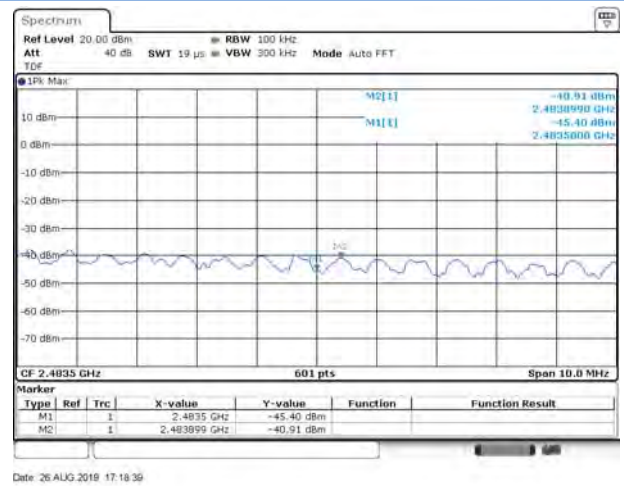
802.11n-20 MHz LOW CHANNEL, Reference level



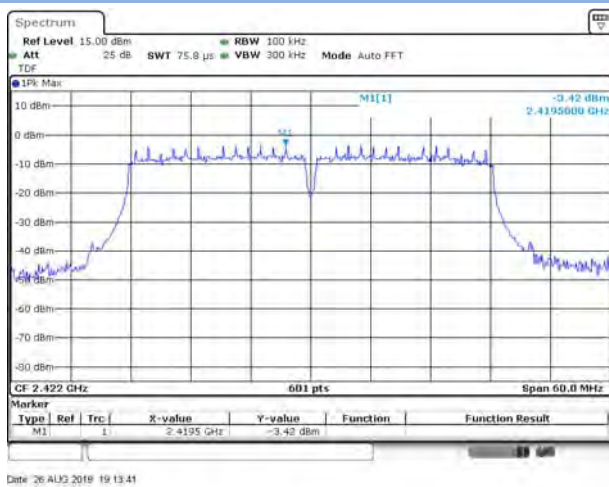
802.11n-20 MHz HIGH CHANNEL, Carrier level



802.11n-20 MHz HIGH CHANNEL, Reference level



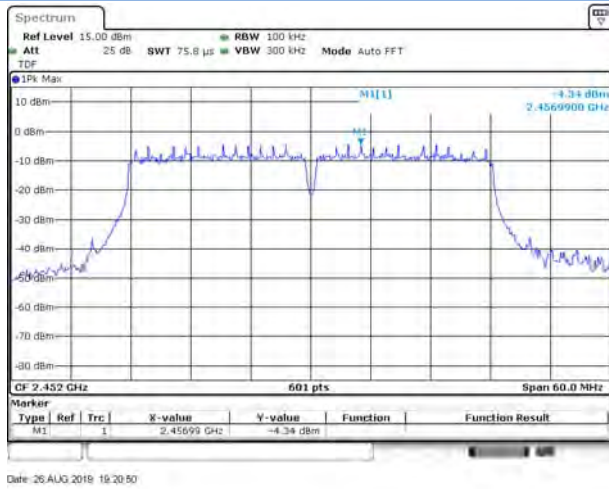
802.11n-40 MHz LOW CHANNEL, Carrier level



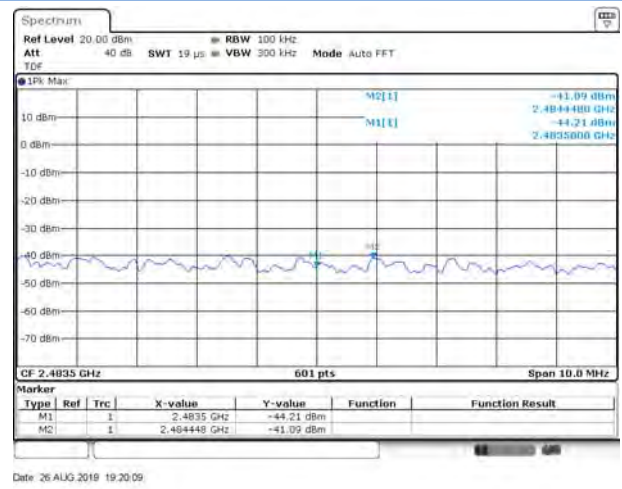
802.11n-40 MHz LOW CHANNEL, Reference level



802.11n-40 MHz HIGH CHANNEL, Carrier level

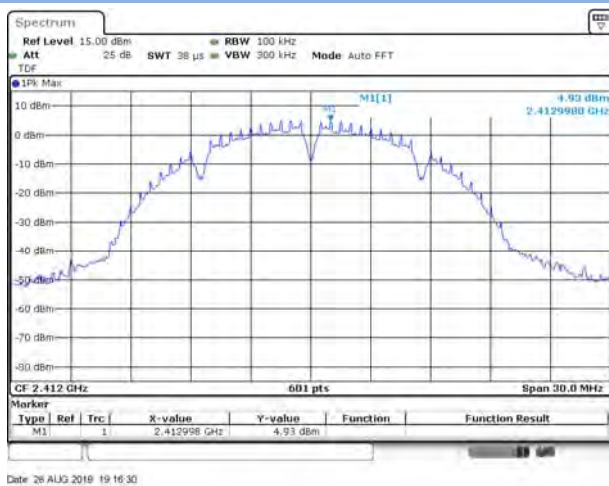


802.11n-40 MHz HIGH CHANNEL, Reference level



11.5 inch

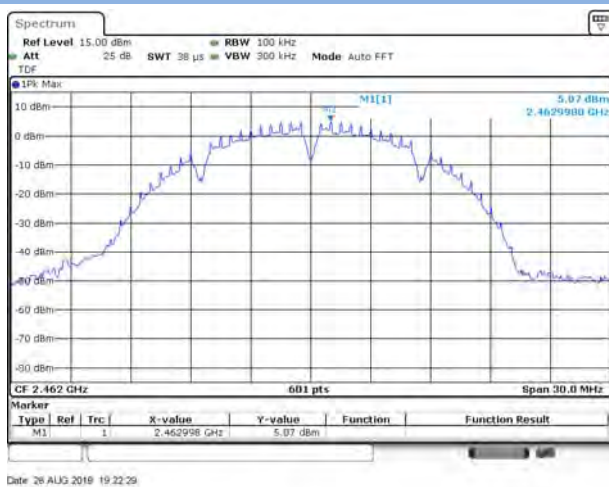
802.11b LOW CHANNEL, Carrier level



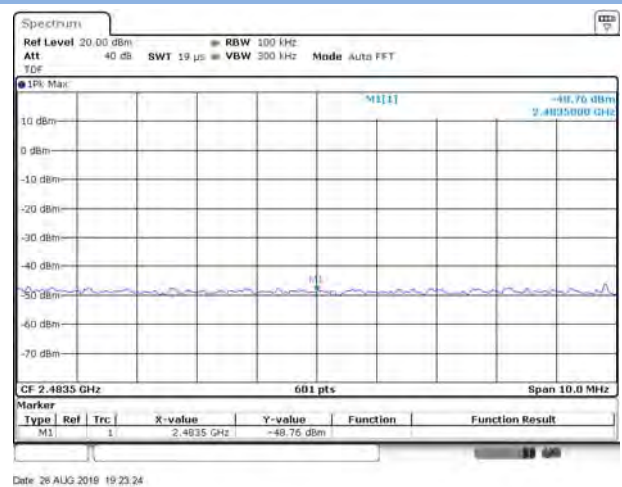
802.11b LOW CHANNEL, Reference level



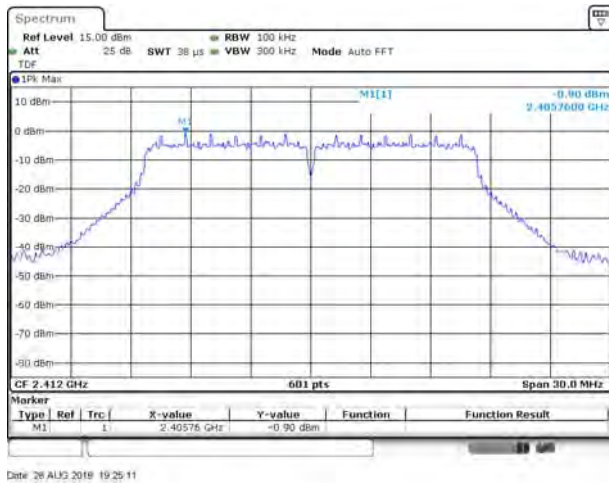
802.11b HIGH CHANNEL, Carrier level



802.11b HIGH CHANNEL, Reference level



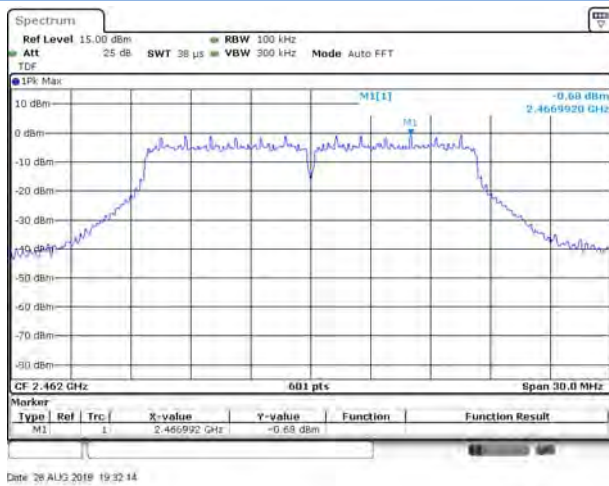
802.11g LOW CHANNEL, Carrier level



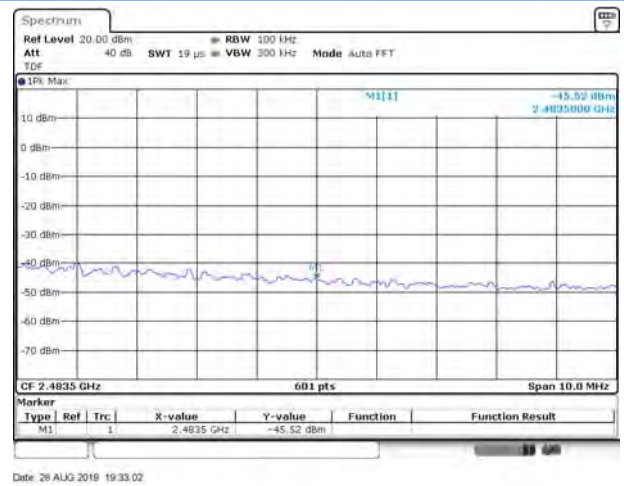
802.11g LOW CHANNEL, Reference level



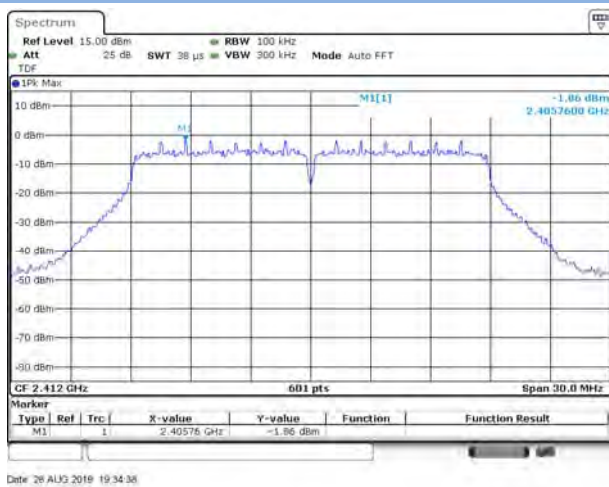
802.11g HIGH CHANNEL, Carrier level



802.11g HIGH CHANNEL, Reference level



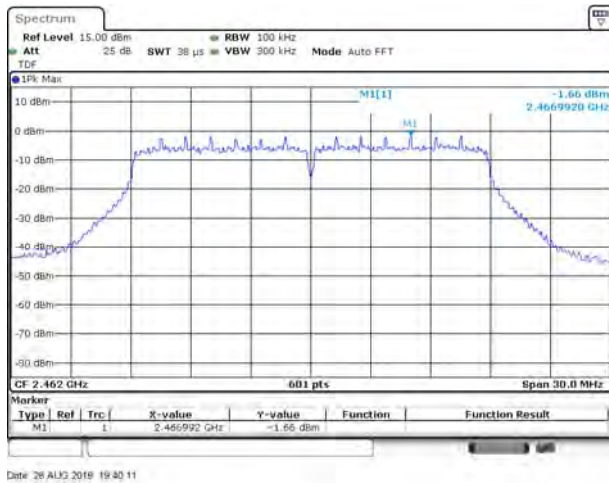
802.11n-20 MHz LOW CHANNEL, Carrier level



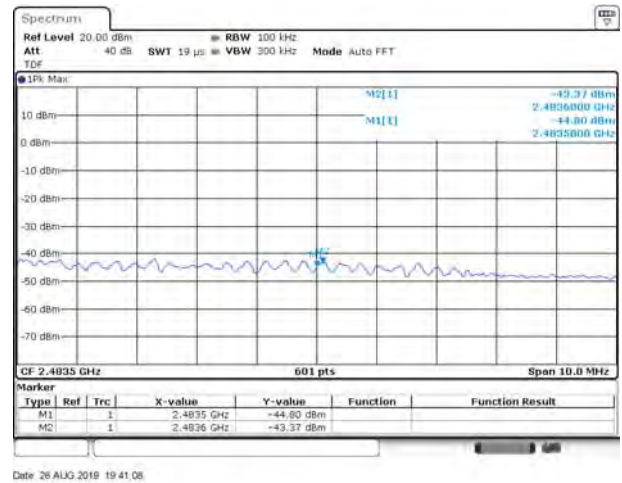
802.11n-20 MHz LOW CHANNEL, Reference level



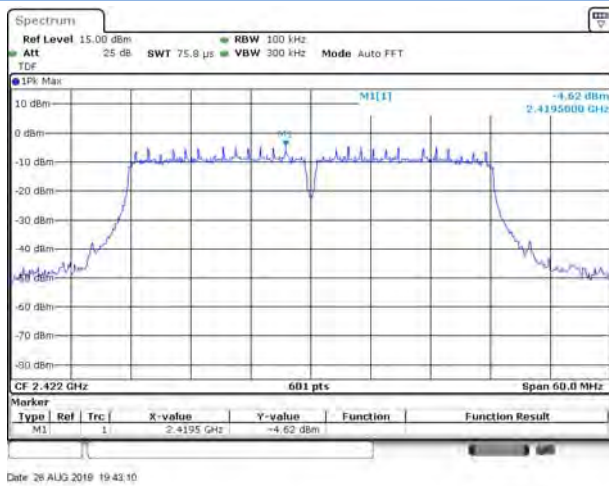
802.11n-20 MHz HIGH CHANNEL, Carrier level



802.11n-20 MHz HIGH CHANNEL, Reference level



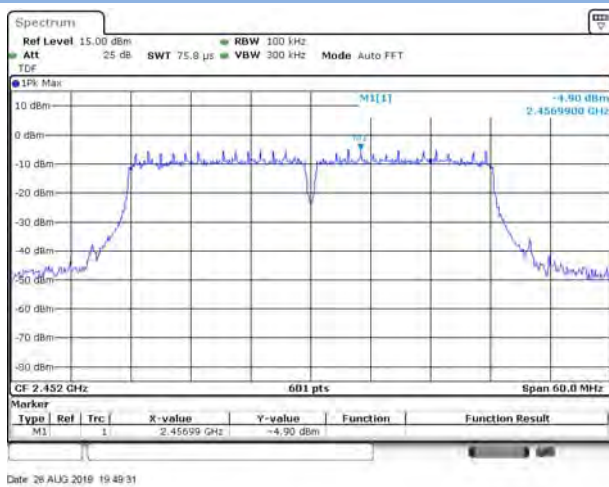
802.11n-40 MHz LOW CHANNEL, Carrier level



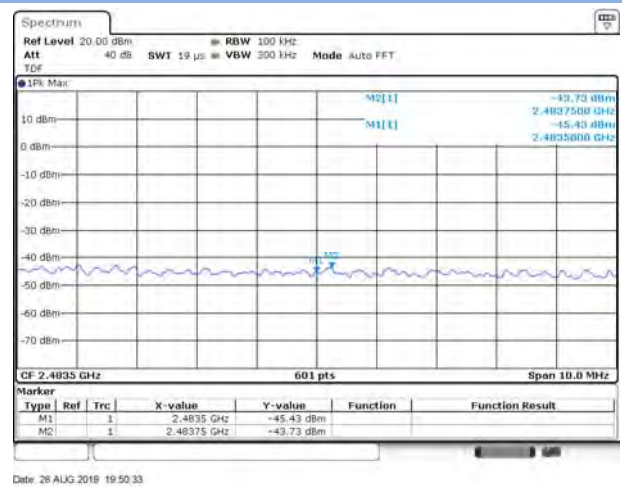
802.11n-40 MHz LOW CHANNEL, Reference level



802.11n-40 MHz HIGH CHANNEL, Carrier level



802.11n-40 MHz HIGH CHANNEL, Reference level



A.5 Conducted Emissions

Note¹: The EUT is working in the Normal link mode.

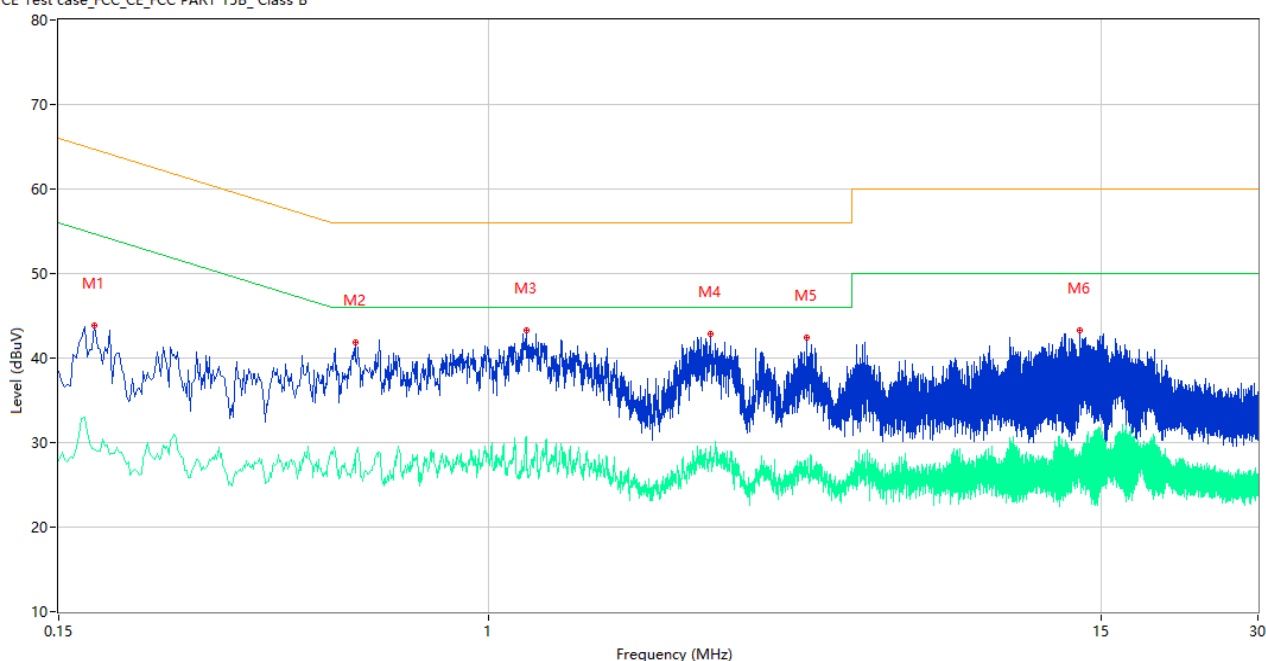
Note²: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

Test Data and Plots

8 inch

PHASE L

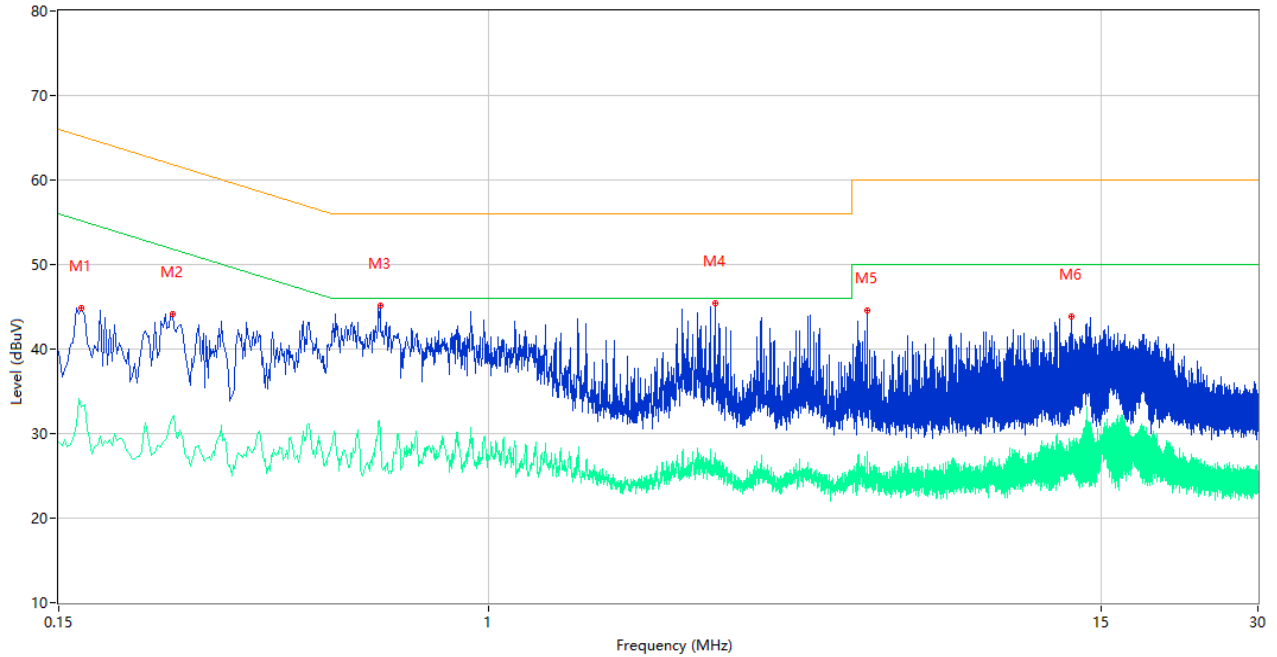
CE Test case_FCC_CE_FCC PART 15B_ Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.176	43.88	10.39	64.67	-20.79	Peak	L	Pass
1**	0.176	29.15	10.39	54.67	-25.52	AV	L	Pass
2	0.556	41.91	10.28	56.00	-14.09	Peak	L	Pass
2**	0.556	26.44	10.28	46.00	-19.56	AV	L	Pass
3	1.184	43.28	10.24	56.00	-12.72	Peak	L	Pass
3**	1.184	30.27	10.24	46.00	-15.73	AV	L	Pass
4	2.670	42.86	10.28	56.00	-13.14	Peak	L	Pass
4**	2.670	29.28	10.28	46.00	-16.72	AV	L	Pass
5	4.086	42.45	10.30	56.00	-13.55	Peak	L	Pass
5**	4.086	26.62	10.30	46.00	-19.38	AV	L	Pass
6	13.664	43.32	10.40	60.00	-16.68	Peak	L	Pass
6**	13.664	26.89	10.40	50.00	-23.11	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15B_ Class B

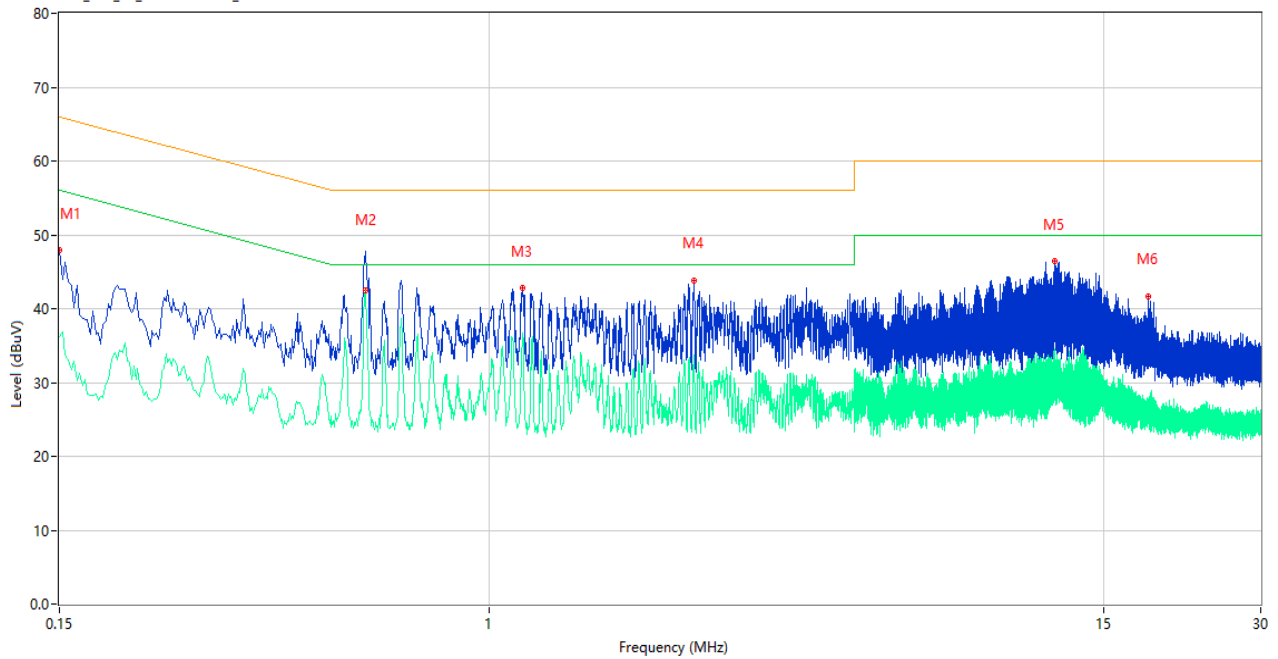


No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.166	44.92	10.40	65.16	-20.24	Peak	N	Pass
1**	0.166	33.19	10.40	55.16	-21.97	AV	N	Pass
2	0.248	44.21	10.34	61.82	-17.61	Peak	N	Pass
2**	0.248	31.82	10.34	51.82	-20.00	AV	N	Pass
3	0.620	45.07	10.28	56.00	-10.93	Peak	N	Pass
3**	0.620	30.16	10.28	46.00	-15.84	AV	N	Pass
4	2.722	45.38	10.28	56.00	-10.62	Peak	N	Pass
4**	2.722	26.54	10.28	46.00	-19.46	AV	N	Pass
5	5.332	44.52	10.31	60.00	-15.48	Peak	N	Pass
5**	5.332	27.35	10.31	50.00	-22.65	AV	N	Pass
6	13.196	43.84	10.39	60.00	-16.16	Peak	N	Pass
6**	13.196	28.13	10.39	50.00	-21.87	AV	N	Pass

10.1 inch

PHASE L

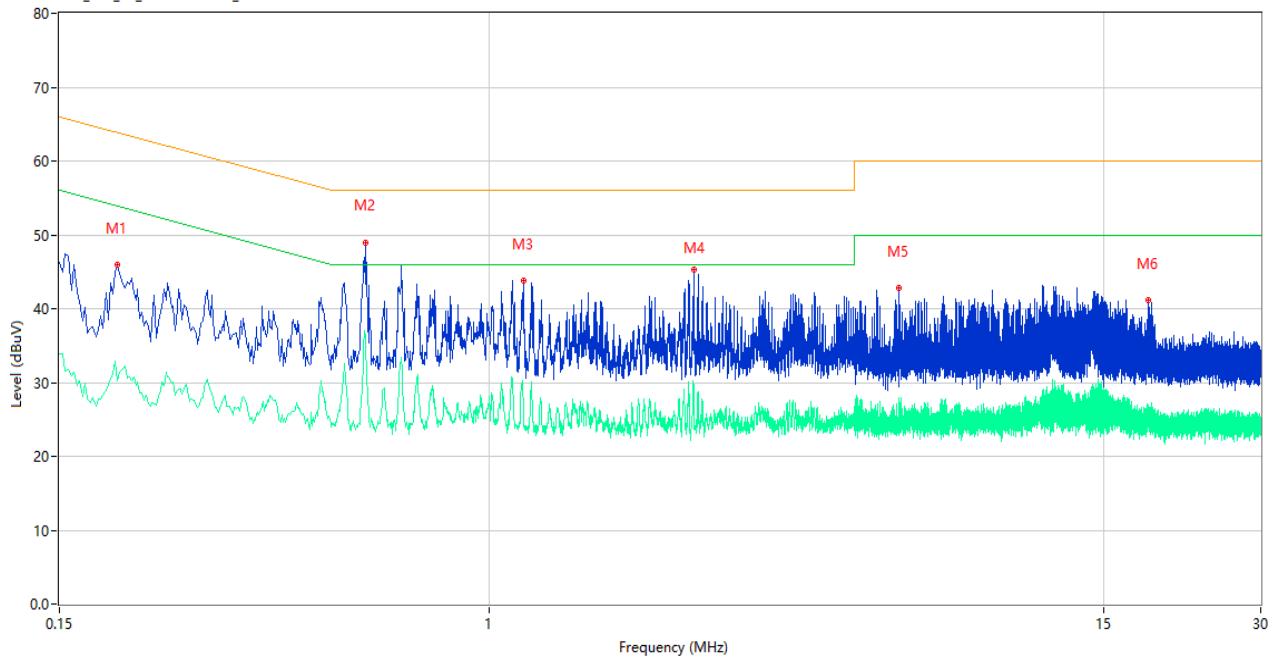
CE Test case_FCC_CE_FCC PART 15B_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.150	47.94	10.41	66.00	-18.06	Peak	L	Pass
1**	0.150	36.13	10.41	56.00	-19.87	AV	L	Pass
2	0.578	47.78	10.27	56.00	-8.22	Peak	L	Pass
2**	0.578	42.56	10.27	46.00	-3.44	AV	L	Pass
3	1.156	42.84	10.24	56.00	-13.16	Peak	L	Pass
3**	1.156	36.76	10.24	46.00	-9.24	AV	L	Pass
4	2.468	43.85	10.28	56.00	-12.15	Peak	L	Pass
4**	2.468	32.41	10.28	46.00	-13.59	AV	L	Pass
5	12.098	46.40	10.38	60.00	-13.60	Peak	L	Pass
5**	12.098	34.49	10.38	50.00	-15.51	AV	L	Pass
6	18.264	41.72	10.50	60.00	-18.28	Peak	L	Pass
6**	18.264	27.75	10.50	50.00	-22.25	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15B_Class B

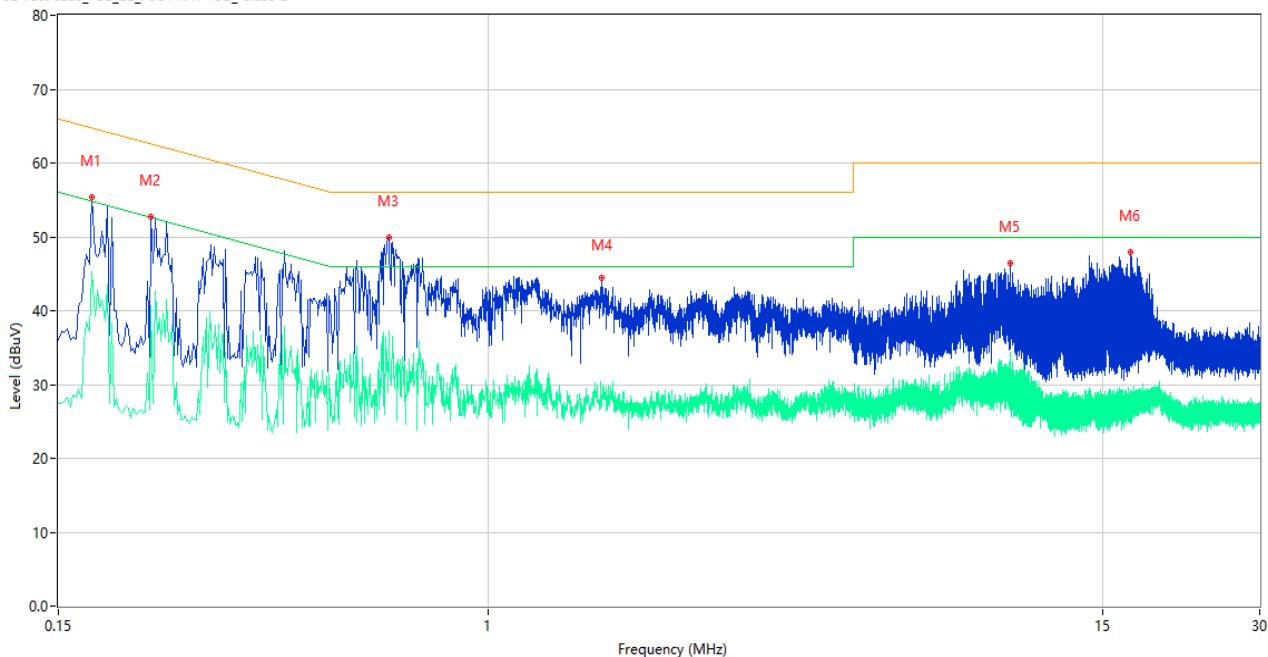


No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.194	45.88	10.38	63.86	-17.98	Peak	N	Pass
1**	0.194	30.31	10.38	53.86	-23.55	AV	N	Pass
2	0.578	48.98	10.27	56.00	-7.02	Peak	N	Pass
2**	0.578	36.20	10.27	46.00	-9.80	AV	N	Pass
3	1.160	43.78	10.24	56.00	-12.22	Peak	N	Pass
3**	1.160	27.42	10.24	46.00	-18.58	AV	N	Pass
4	2.460	45.28	10.27	56.00	-10.72	Peak	N	Pass
4**	2.460	29.37	10.27	46.00	-16.63	AV	N	Pass
5	6.078	42.75	10.32	60.00	-17.25	Peak	N	Pass
5**	6.078	27.90	10.32	50.00	-22.10	AV	N	Pass
6	18.252	41.21	10.50	60.00	-18.79	Peak	N	Pass
6**	18.252	24.71	10.50	50.00	-25.29	AV	N	Pass

11.5 inch

PHASE L

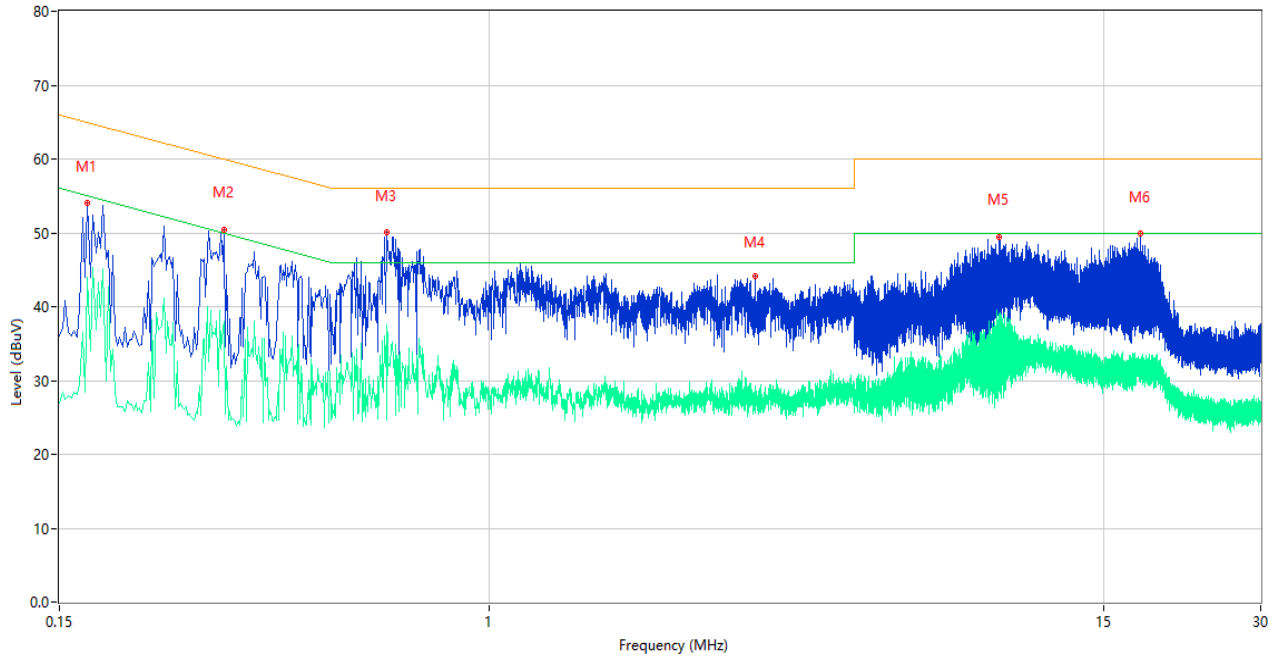
CE Test case_FCC_CE_FCC PART 15B_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.174	55.39	10.39	64.77	-9.38	Peak	L	Pass
1**	0.174	45.28	10.39	54.77	-9.49	AV	L	Pass
2	0.226	52.69	10.36	62.60	-9.91	Peak	L	Pass
2**	0.226	40.64	10.36	52.60	-11.96	AV	L	Pass
3	0.644	49.90	10.27	56.00	-6.10	Peak	L	Pass
3**	0.644	37.14	10.27	46.00	-8.86	AV	L	Pass
4	1.650	44.52	10.26	56.00	-11.48	Peak	L	Pass
4**	1.650	28.34	10.26	46.00	-17.66	AV	L	Pass
5	9.974	46.46	10.37	60.00	-13.54	Peak	L	Pass
5**	9.974	34.42	10.37	50.00	-15.58	AV	L	Pass
6	16.998	48.01	10.46	60.00	-11.99	Peak	L	Pass
6**	16.998	28.13	10.46	50.00	-21.87	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	0.170	54.05	10.40	64.96	-10.91	Peak	N	Pass
1**	0.170	43.99	10.40	54.96	-10.97	AV	N	Pass
2	0.310	50.47	10.33	59.97	-9.50	Peak	N	Pass
2**	0.310	37.98	10.33	49.97	-11.99	AV	N	Pass
3	0.634	50.07	10.27	56.00	-5.93	Peak	N	Pass
3**	0.634	37.56	10.27	46.00	-8.44	AV	N	Pass
4	3.224	44.09	10.30	56.00	-11.91	Peak	N	Pass
4**	3.224	29.08	10.30	46.00	-16.92	AV	N	Pass
5	9.444	49.47	10.36	60.00	-10.53	Peak	N	Pass
5**	9.444	36.06	10.36	50.00	-13.94	AV	N	Pass
6	17.640	49.84	10.48	60.00	-10.16	Peak	N	Pass
6**	17.640	32.73	10.48	50.00	-17.27	AV	N	Pass

A.6 Radiated Emission

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

Note²: For the test data above 1 GHz, According the ANSI C63.10-2013, 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.

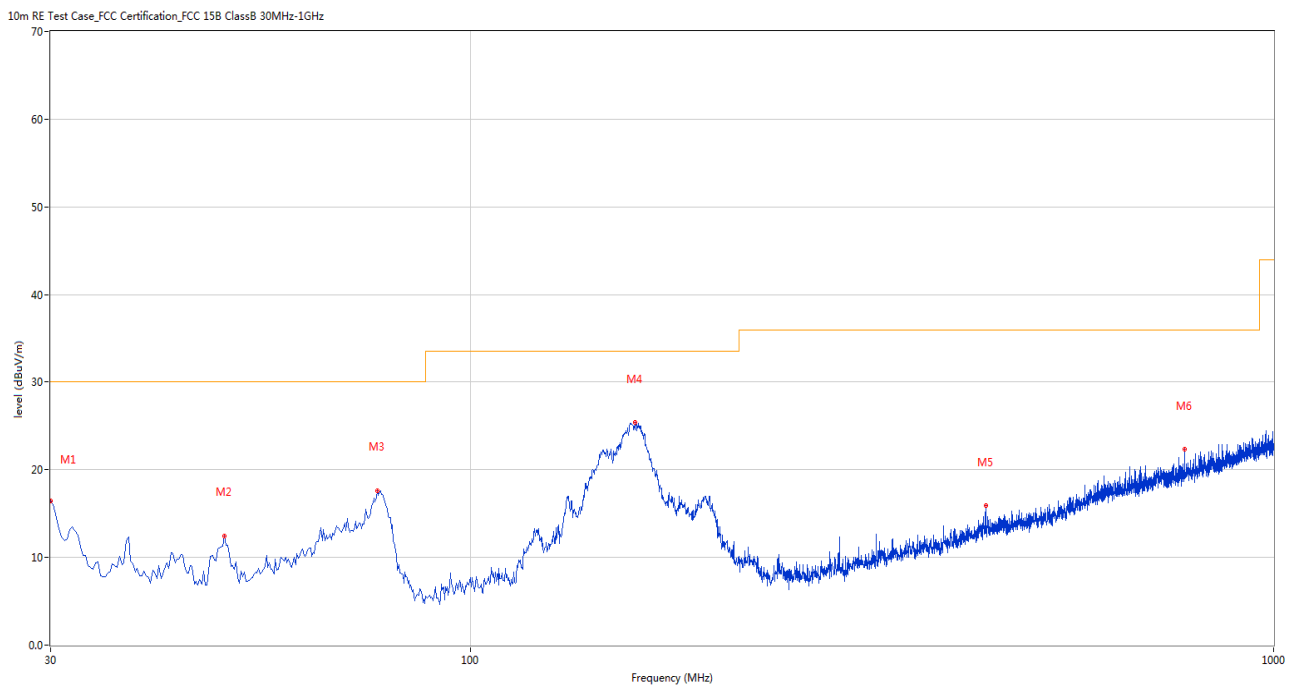
Note³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

Note⁴: The EUT is working in the Normal link mode below 1 GHz.

Test Data and Plots

8 inch

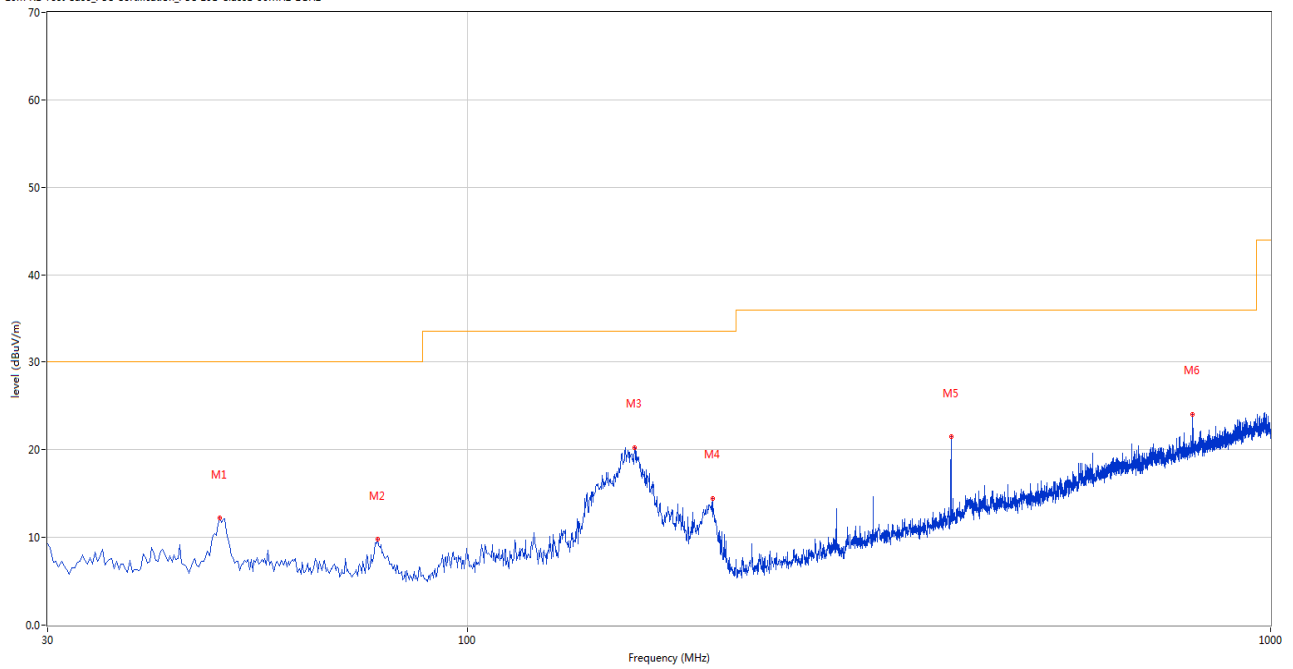
30 MHz to 1 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	30.000	16.39	-27.47	30.0	-13.61	Peak	35.00	100	Vertical	Pass
2	49.395	12.42	-27.33	30.0	-17.58	Peak	293.00	300	Vertical	Pass
3	76.548	17.58	-30.73	30.0	-12.42	Peak	360.00	200	Vertical	Pass
4	160.432	25.35	-25.84	33.5	-8.15	Peak	360.00	200	Vertical	Pass
5	438.025	15.85	-21.82	36.0	-20.15	Peak	312.00	100	Vertical	Pass
6	774.531	22.28	-14.67	36.0	-13.72	Peak	186.00	400	Vertical	Pass

30 MHz to 1 GHz, ANT H

10m RE Test Case_FCC Certification_FCC 15B ClassB 30MHz-1GHz

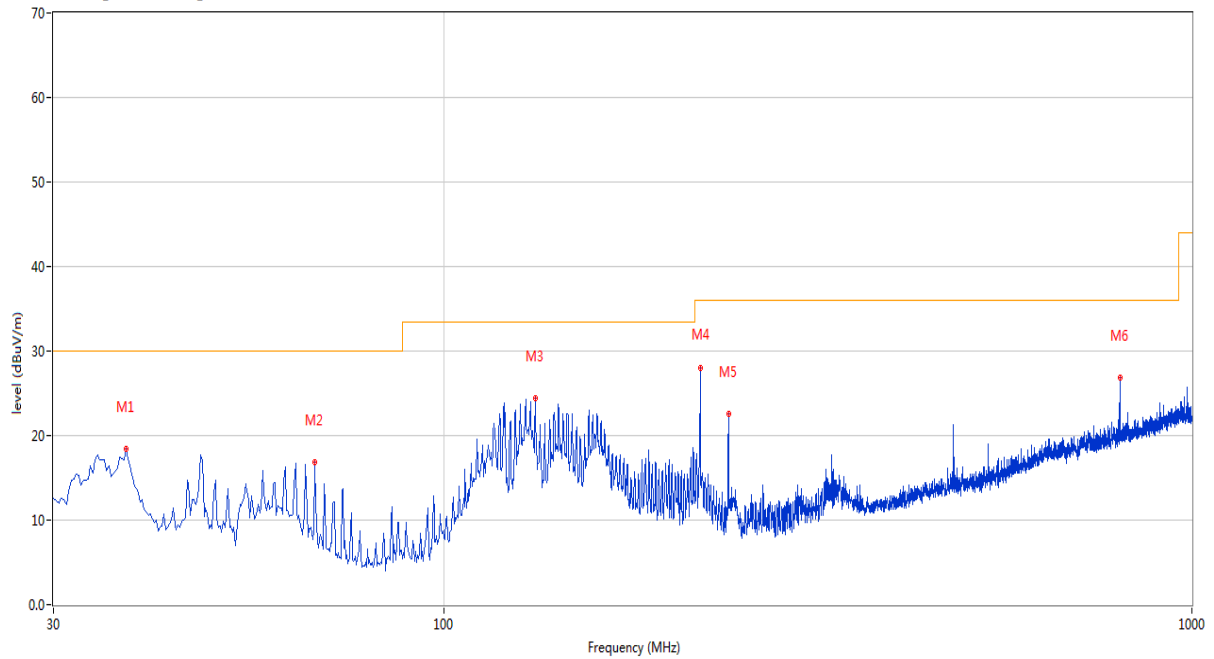


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	49.153	12.18	-27.34	30.0	-17.82	Peak	360.00	400	Horizontal	Pass
2	77.276	9.77	-30.85	30.0	-20.23	Peak	0.00	300	Horizontal	Pass
3	161.402	20.22	-25.87	33.5	-13.28	Peak	287.00	400	Horizontal	Pass
4	201.890	14.43	-29.49	33.5	-19.07	Peak	331.00	300	Horizontal	Pass
5	399.963	21.47	-23.17	36.0	-14.53	Peak	205.00	400	Horizontal	Pass
6	799.745	24.05	-14.27	36.0	-11.95	Peak	193.00	100	Horizontal	Pass

10.1 inch

30 MHz to 1 GHz, ANT V

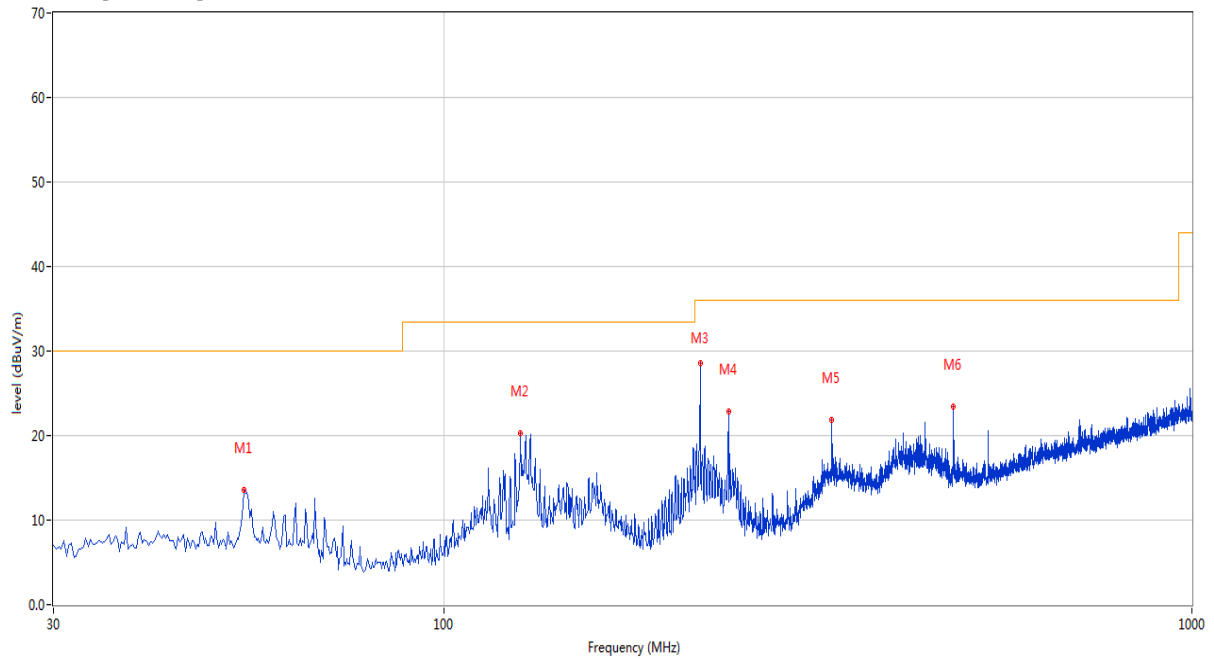
10m RE Test Case_FCC Certification_FCC 15B ClassB 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	37.516	18.44	-27.07	30.0	-11.56	Peak	360.00	200	Vertical	Pass
2	67.093	16.79	-29.22	30.0	-13.21	Peak	174.00	400	Vertical	Pass
3	132.309	24.42	-27.10	33.5	-9.08	Peak	256.00	200	Vertical	Pass
4	219.830	28.05	-28.77	36.0	-7.95	Peak	0.00	100	Vertical	Pass
5	239.953	22.63	-27.87	36.0	-13.37	Peak	0.00	100	Vertical	Pass
6	800.957	26.84	-13.97	36.0	-9.16	Peak	48.00	200	Vertical	Pass

30 MHz to 1 GHz, ANT H

10m RE Test Case_FCC Certification_FCC 15B ClassB 30MHz-1GHz

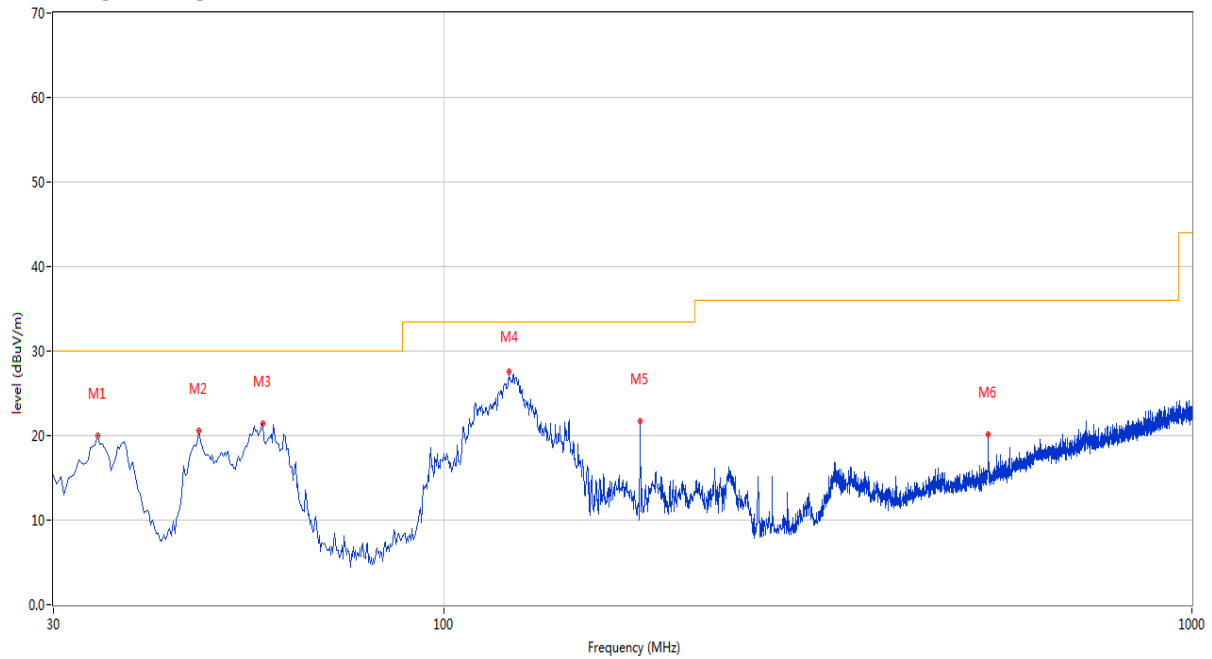


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	54.001	13.60	-27.62	30.0	-16.40	Peak	360.00	200	Horizontal	Pass
2	126.491	20.24	-27.45	33.5	-13.26	Peak	360.00	400	Horizontal	Pass
3	219.830	28.52	-28.77	36.0	-7.48	Peak	123.00	400	Horizontal	Pass
4	239.953	22.83	-27.87	36.0	-13.17	Peak	123.00	300	Horizontal	Pass
5	329.898	21.92	-24.99	36.0	-14.08	Peak	243.00	300	Horizontal	Pass
6	479.968	23.43	-21.01	36.0	-12.57	Peak	230.00	200	Horizontal	Pass

11.5 inch

30 MHz to 1 GHz, ANT V

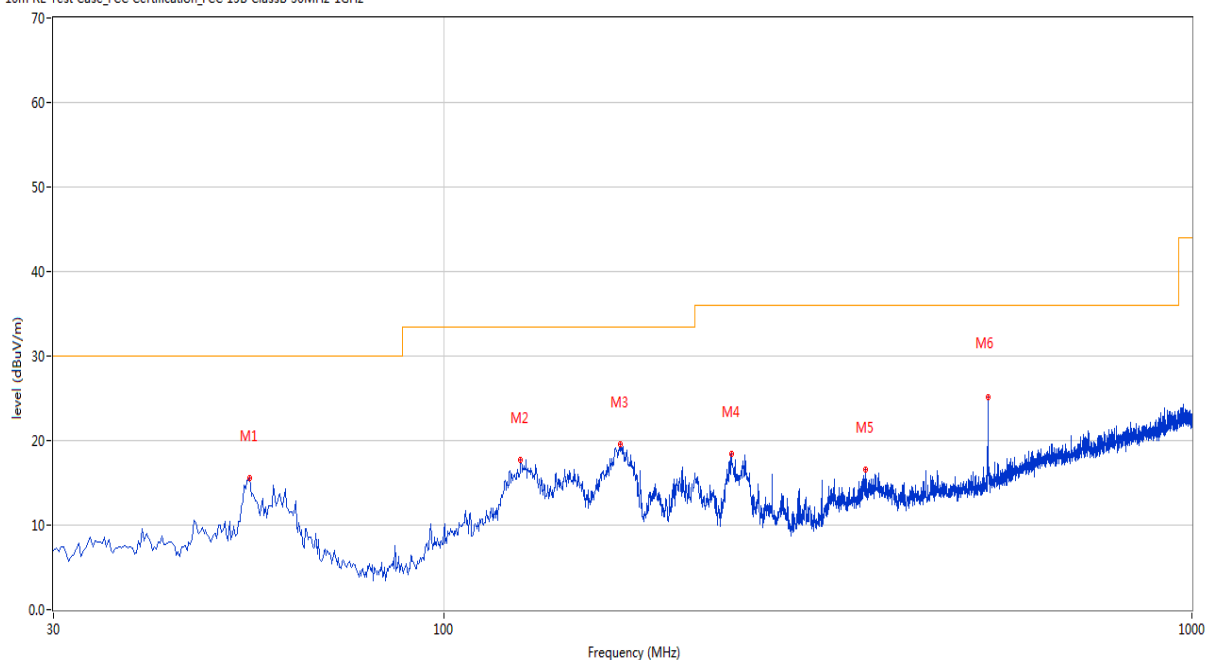
10m RE Test Case_FCC Certification_FCC 15B ClassB 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	34.364	19.96	-27.37	30.0	-10.04	Peak	0.00	200	Vertical	Pass
2	46.971	20.60	-27.04	30.0	-9.40	Peak	319.00	300	Vertical	Pass
3	57.153	21.42	-27.71	30.0	-8.58	Peak	224.00	200	Vertical	Pass
4	121.885	27.61	-27.85	33.5	-5.89	Peak	249.00	100	Vertical	Pass
5	182.979	21.73	-28.27	33.5	-11.77	Peak	256.00	100	Vertical	Pass
6	534.031	20.15	-19.76	36.0	-15.85	Peak	360.00	400	Vertical	Pass

30 MHz to 1 GHz, ANT H

10m RE Test Case_FCC Certification_FCC 15B ClassB 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	54.971	15.52	-27.51	30.0	-14.48	Peak	355.00	400	Horizontal	Pass
2	126.491	17.70	-27.45	33.5	-15.80	Peak	331.00	400	Horizontal	Pass
3	171.827	19.63	-26.95	33.5	-13.87	Peak	356.00	300	Horizontal	Pass
4	242.134	18.49	-27.68	36.0	-17.51	Peak	218.00	400	Horizontal	Pass
5	366.021	16.55	-24.03	36.0	-19.45	Peak	360.00	300	Horizontal	Pass
6	534.031	25.18	-19.76	36.0	-10.82	Peak	0.00	200	Horizontal	Pass

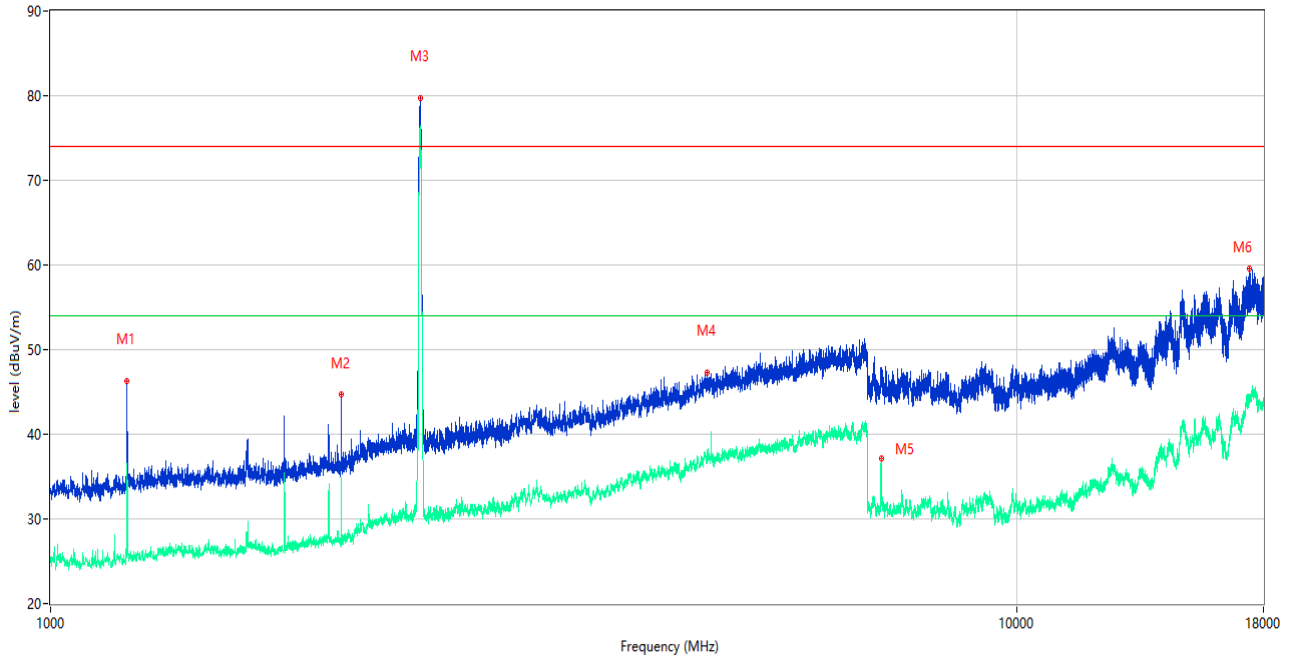
Note 1: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental signal.

Note 2: The spurious above 18G is noise only, do not show on the report.

8 inch

1 GHz to 18 GHz, ANT V 802.11b Low Channel

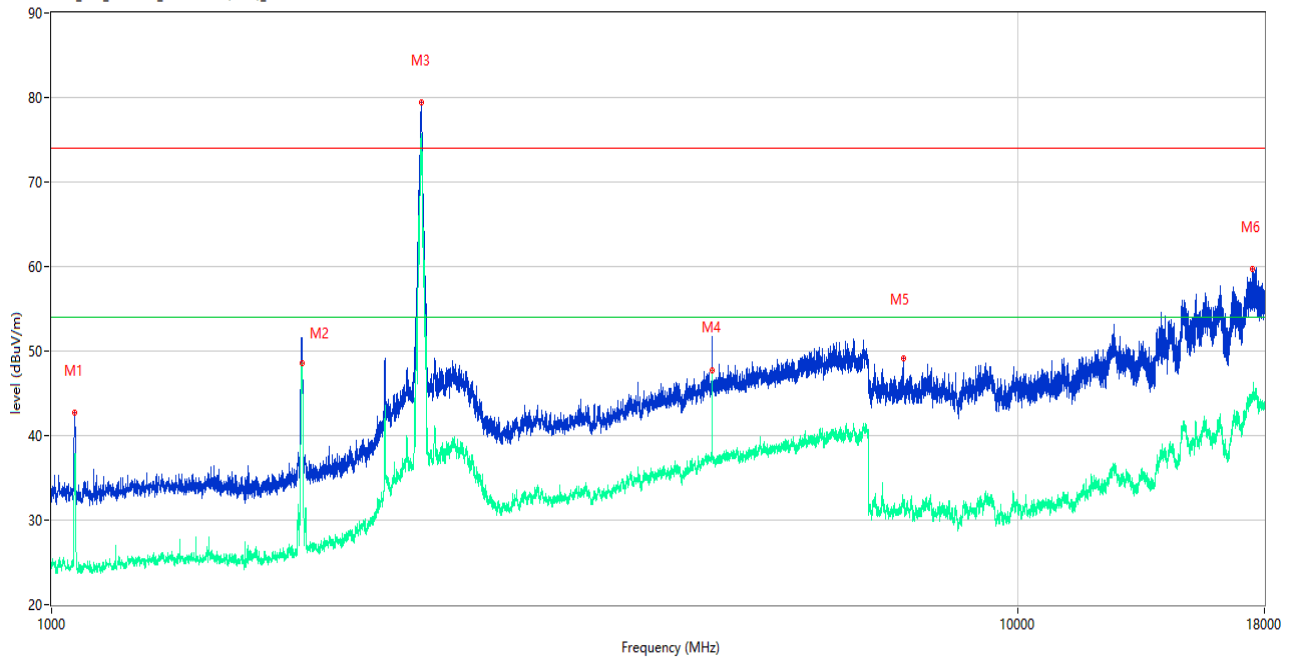
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1200.000	34.47	-14.97	54.0	-19.53	AV	360.00	150	Vertical	Pass
1	1200.000	46.33	-14.97	74.0	-27.67	Peak	360.00	150	Vertical	Pass
2**	2000.000	34.37	-13.40	54.0	-19.63	AV	349.00	150	Vertical	Pass
2	2000.000	44.68	-13.40	74.0	-29.32	Peak	349.00	150	Vertical	Pass
3**	2415.000	75.94	-10.36	54.0	21.94	AV	128.00	150	Vertical	N/A
3	2415.000	79.67	-10.36	74.0	5.67	Peak	128.00	150	Vertical	N/A
4**	4784.000	37.35	-2.30	54.0	-16.65	AV	328.00	150	Vertical	Pass
4	4784.000	47.33	-2.30	74.0	-26.67	Peak	328.00	150	Vertical	Pass
5**	7238.625	37.08	17.77	54.0	-16.92	AV	114.00	150	Vertical	Pass
5	7238.625	47.61	17.77	74.0	-26.39	Peak	114.00	150	Vertical	Pass
6**	17426.438	43.79	28.84	54.0	-10.21	AV	192.00	150	Vertical	Pass
6	17426.438	59.54	28.84	74.0	-14.46	Peak	192.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11b Low Channel

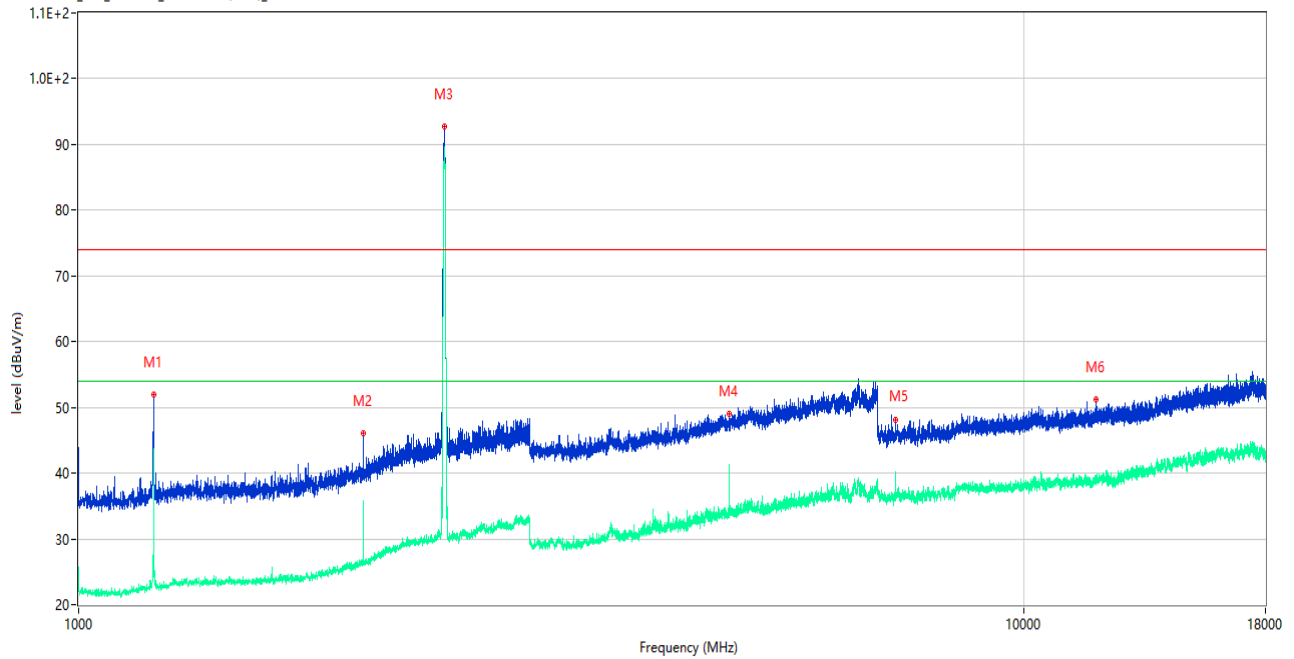
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1056.500	37.92	-15.15	54.0	-16.08	AV	134.00	150	Horizontal	Pass
1	1056.500	42.71	-15.15	74.0	-31.29	Peak	134.00	150	Horizontal	Pass
2**	1816.500	48.64	-14.82	54.0	-5.36	AV	158.00	150	Horizontal	Pass
2	1816.500	50.58	-14.82	74.0	-23.42	Peak	158.00	150	Horizontal	Pass
3**	2416.000	75.73	-10.18	54.0	21.73	AV	348.00	150	Horizontal	N/A
3	2416.000	79.38	-10.18	74.0	5.38	Peak	348.00	150	Horizontal	N/A
4**	4825.000	47.69	-1.55	54.0	-6.31	AV	121.00	150	Horizontal	Pass
4	4825.000	46.27	-1.55	74.0	-27.73	Peak	121.00	150	Horizontal	Pass
5**	7612.375	32.44	18.16	54.0	-21.56	AV	38.00	150	Horizontal	Pass
5	7612.375	49.16	18.16	74.0	-24.84	Peak	38.00	150	Horizontal	Pass
6**	17482.875	44.55	29.36	54.0	-9.45	AV	0.00	150	Horizontal	Pass
6	17482.875	59.70	29.36	74.0	-14.30	Peak	0.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11b Middle Channel

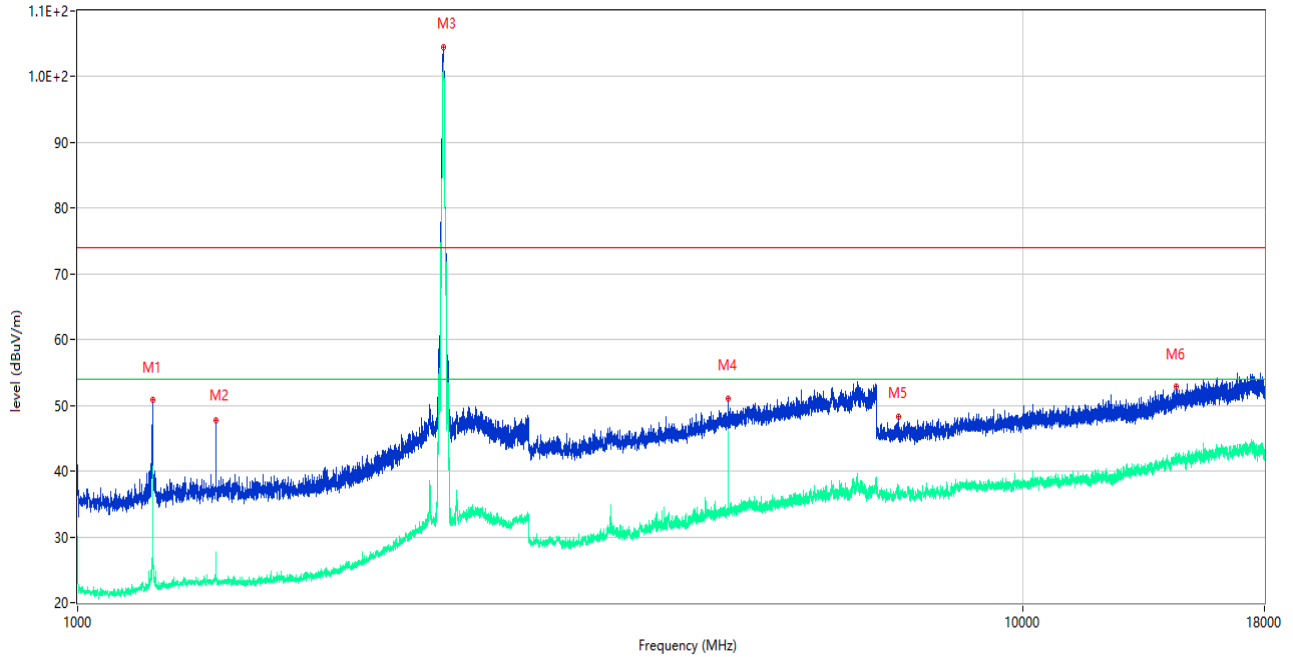
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1200.000	39.12	-17.58	54.0	-14.88	AV	31.00	150	Vertical	Pass
1	1200.000	51.87	-17.58	74.0	-22.13	Peak	31.00	150	Vertical	Pass
2**	2000.000	31.58	-15.47	54.0	-22.42	AV	120.00	150	Vertical	Pass
2	2000.000	46.01	-15.47	74.0	-27.99	Peak	120.00	150	Vertical	Pass
3**	2437.000	89.17	-12.56	54.0	35.17	AV	12.00	150	Vertical	N/A
3	2437.000	92.66	-12.56	74.0	18.66	Peak	12.00	150	Vertical	N/A
4**	4874.000	33.17	-3.32	54.0	-20.83	AV	237.00	150	Vertical	Pass
4	4874.000	49.05	-3.32	74.0	-24.95	Peak	237.00	150	Vertical	Pass
5**	7311.938	39.61	-3.54	54.0	-14.39	AV	146.00	150	Vertical	Pass
5	7311.938	48.06	-3.54	74.0	-25.94	Peak	146.00	150	Vertical	Pass
6**	11914.812	38.40	1.76	54.0	-15.60	AV	135.00	150	Vertical	Pass
6	11914.812	51.23	1.76	74.0	-22.77	Peak	135.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11b Middle Channel

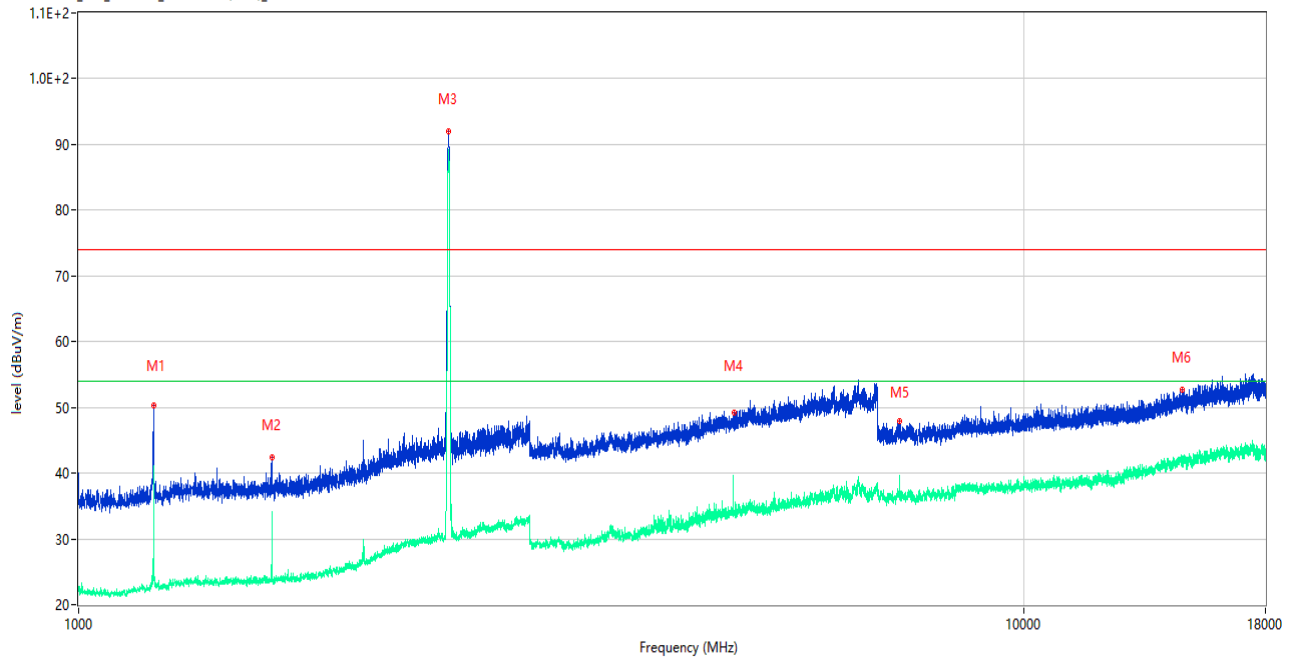
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1200.000	37.67	-17.58	54.0	-16.33	AV	188.00	150	Horizontal	Pass
1	1200.000	50.82	-17.58	74.0	-23.18	Peak	188.00	150	Horizontal	Pass
2**	1400.000	25.57	-17.22	54.0	-28.43	AV	29.00	150	Horizontal	Pass
2	1400.000	47.81	-17.22	74.0	-26.19	Peak	29.00	150	Horizontal	Pass
3**	2437.500	99.41	-12.53	54.0	45.41	AV	300.00	150	Horizontal	N/A
3	2437.500	104.43	-12.53	74.0	30.43	Peak	300.00	150	Horizontal	N/A
4**	4874.000	34.41	-3.32	54.0	-19.59	AV	248.00	150	Horizontal	Pass
4	4874.000	51.13	-3.32	74.0	-22.87	Peak	248.00	150	Horizontal	Pass
5**	7380.938	36.49	-3.50	54.0	-17.51	AV	51.00	150	Horizontal	Pass
5	7380.938	48.30	-3.50	74.0	-25.70	Peak	51.00	150	Horizontal	Pass
6**	14514.000	41.89	1.45	54.0	-12.11	AV	212.00	150	Horizontal	Pass
6	14514.000	52.80	1.45	74.0	-21.20	Peak	212.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11b High Channel

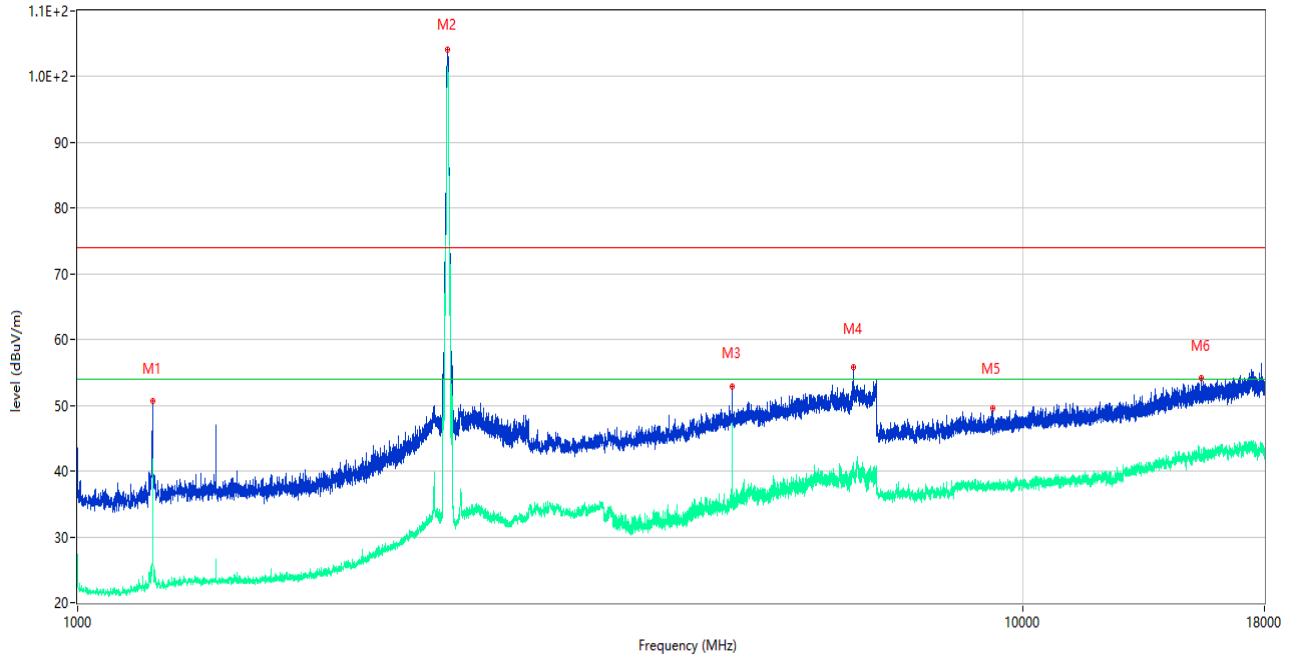
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1200.000	39.04	-17.58	54.0	-14.96	AV	31.00	150	Vertical	Pass
1	1200.000	50.31	-17.58	74.0	-23.69	Peak	31.00	150	Vertical	Pass
2**	1600.000	28.52	-17.30	54.0	-25.48	AV	22.00	150	Vertical	Pass
2	1600.000	42.33	-17.30	74.0	-31.67	Peak	22.00	150	Vertical	Pass
3**	2462.000	88.33	-12.59	54.0	34.33	AV	13.00	150	Vertical	N/A
3	2462.000	91.95	-12.59	74.0	17.95	Peak	13.00	150	Vertical	N/A
4**	4933.000	33.87	-2.63	54.0	-20.13	AV	356.00	150	Vertical	Pass
4	4933.000	49.21	-2.63	74.0	-24.79	Peak	356.00	150	Vertical	Pass
5**	7386.687	39.55	-3.65	54.0	-14.45	AV	141.00	150	Vertical	Pass
5	7386.687	48.00	-3.65	74.0	-26.00	Peak	141.00	150	Vertical	Pass
6**	14705.625	41.09	1.21	54.0	-12.91	AV	354.00	150	Vertical	Pass
6	14705.625	52.72	1.21	74.0	-21.28	Peak	354.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11b High Channel

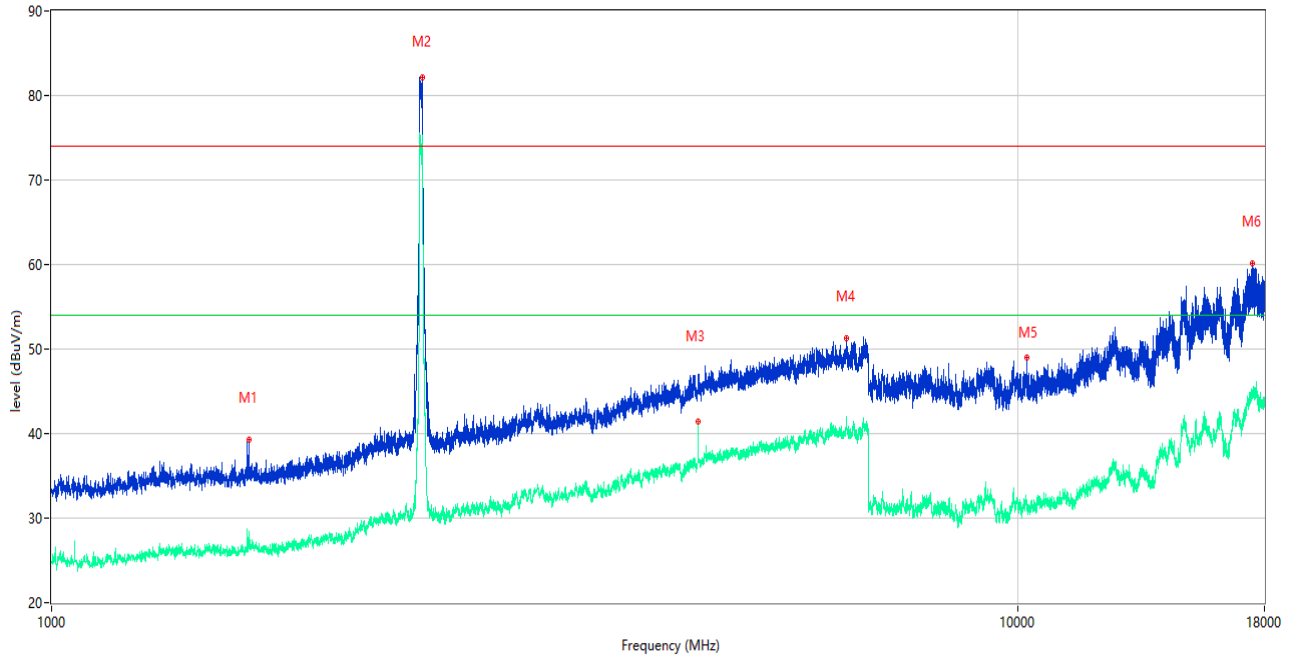
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1200.000	38.07	-17.58	54.0	-15.93	AV	208.00	150	Horizontal	Pass
1	1200.000	50.64	-17.58	74.0	-23.36	Peak	208.00	150	Horizontal	Pass
2**	2462.500	99.01	-12.57	54.0	45.01	AV	300.00	150	Horizontal	N/A
2	2462.500	104.11	-12.57	74.0	30.11	Peak	300.00	150	Horizontal	N/A
3**	4924.000	36.46	-2.55	54.0	-17.54	AV	223.00	150	Horizontal	Pass
3	4924.000	52.95	-2.55	74.0	-21.05	Peak	223.00	150	Horizontal	Pass
4**	6610.000	41.35	0.47	54.0	-12.65	AV	311.00	150	Horizontal	Pass
4	6610.000	55.83	0.47	74.0	-18.17	Peak	311.00	150	Horizontal	Pass
5**	9288.500	37.45	-1.01	54.0	-16.55	AV	5.00	150	Horizontal	Pass
5	9288.500	49.61	-1.01	74.0	-24.39	Peak	5.00	150	Horizontal	Pass
6**	15447.187	41.98	2.25	54.0	-12.02	AV	250.00	150	Horizontal	Pass
6	15447.187	54.12	2.25	74.0	-19.88	Peak	250.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11g Low Channel

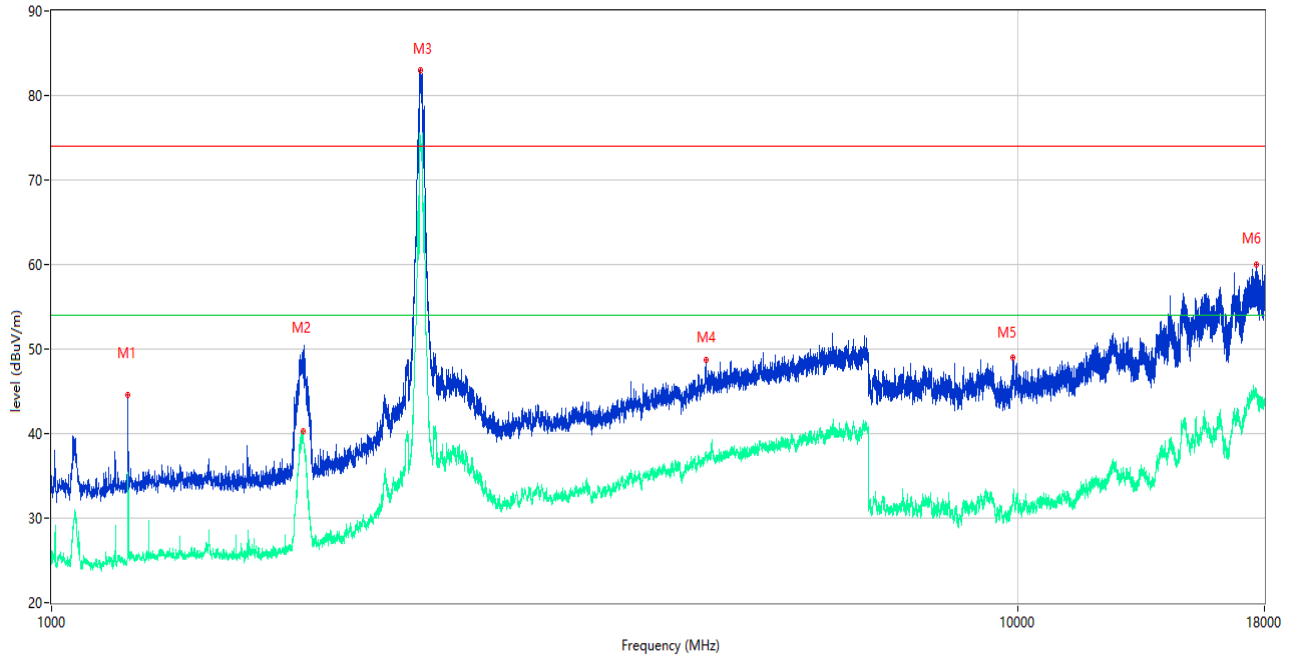
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1600.000	26.80	-15.29	54.0	-27.20	AV	352.00	150	Vertical	Pass
1	1600.000	39.32	-15.29	74.0	-34.68	Peak	352.00	150	Vertical	Pass
2**	2419.500	74.86	-10.32	54.0	20.86	AV	266.00	150	Vertical	N/A
2	2419.500	82.16	-10.32	74.0	8.16	Peak	266.00	150	Vertical	N/A
3**	4668.000	41.42	-2.08	54.0	-12.58	AV	323.00	150	Vertical	Pass
3	4668.000	45.71	-2.08	74.0	-28.29	Peak	323.00	150	Vertical	Pass
4**	6649.000	40.45	4.30	54.0	-13.55	AV	312.00	150	Vertical	Pass
4	6649.000	51.32	4.30	74.0	-22.68	Peak	312.00	150	Vertical	Pass
5**	10217.125	31.12	17.39	54.0	-22.88	AV	191.00	150	Vertical	Pass
5	10217.125	48.96	17.39	74.0	-25.04	Peak	191.00	150	Vertical	Pass
6**	17511.750	44.55	29.49	54.0	-9.45	AV	83.00	150	Vertical	Pass
6	17511.750	60.12	29.49	74.0	-13.88	Peak	83.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11g Low Channel

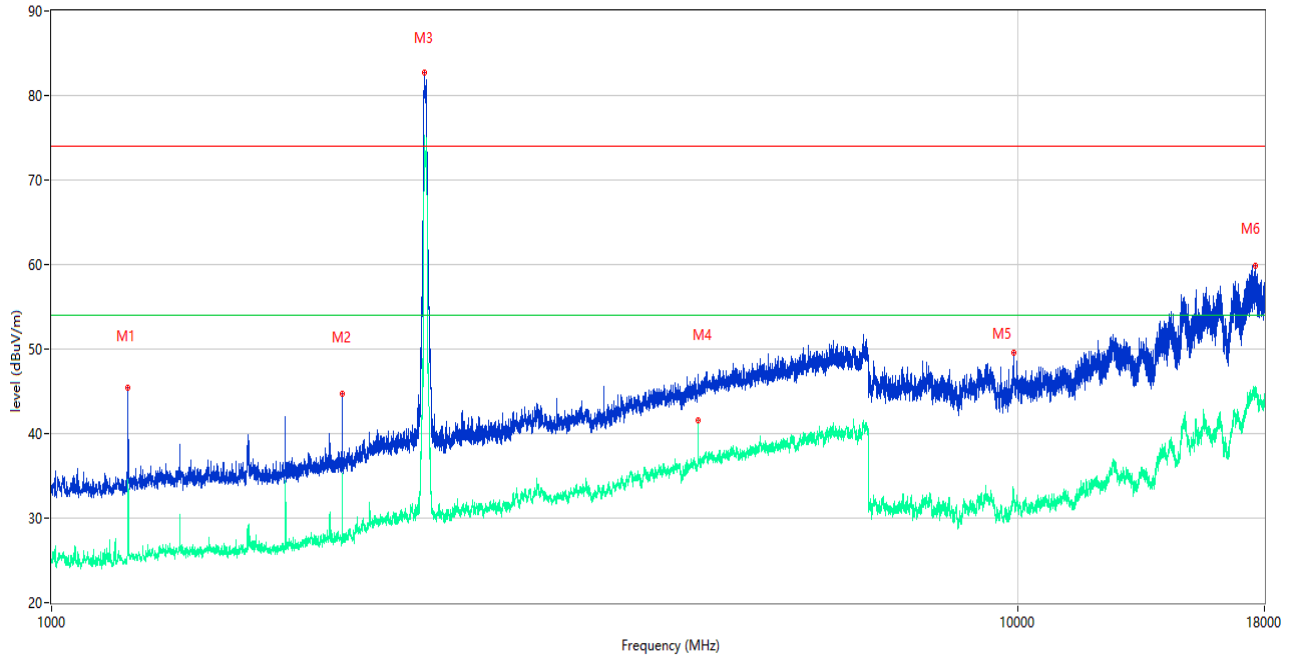
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1200.000	32.95	-14.97	54.0	-21.05	AV	360.00	150	Horizontal	Pass
1	1200.000	44.64	-14.97	74.0	-29.36	Peak	360.00	150	Horizontal	Pass
2**	1819.500	40.31	-14.73	54.0	-13.69	AV	311.00	150	Horizontal	Pass
2	1819.500	49.81	-14.73	74.0	-24.19	Peak	311.00	150	Horizontal	Pass
3**	2406.500	74.82	-10.30	54.0	20.82	AV	321.00	150	Horizontal	N/A
3	2406.500	83.02	-10.30	74.0	9.02	Peak	321.00	150	Horizontal	N/A
4**	4753.000	37.83	-2.24	54.0	-16.17	AV	126.00	150	Horizontal	Pass
4	4753.000	48.75	-2.24	74.0	-25.25	Peak	126.00	150	Horizontal	Pass
5**	9890.813	32.60	18.08	54.0	-21.40	AV	2.00	150	Horizontal	Pass
5	9890.813	49.01	18.08	74.0	-24.99	Peak	2.00	150	Horizontal	Pass
6**	17646.938	45.30	29.43	54.0	-8.70	AV	28.00	150	Horizontal	Pass
6	17646.938	59.97	29.43	74.0	-14.03	Peak	28.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11g Middle Channel

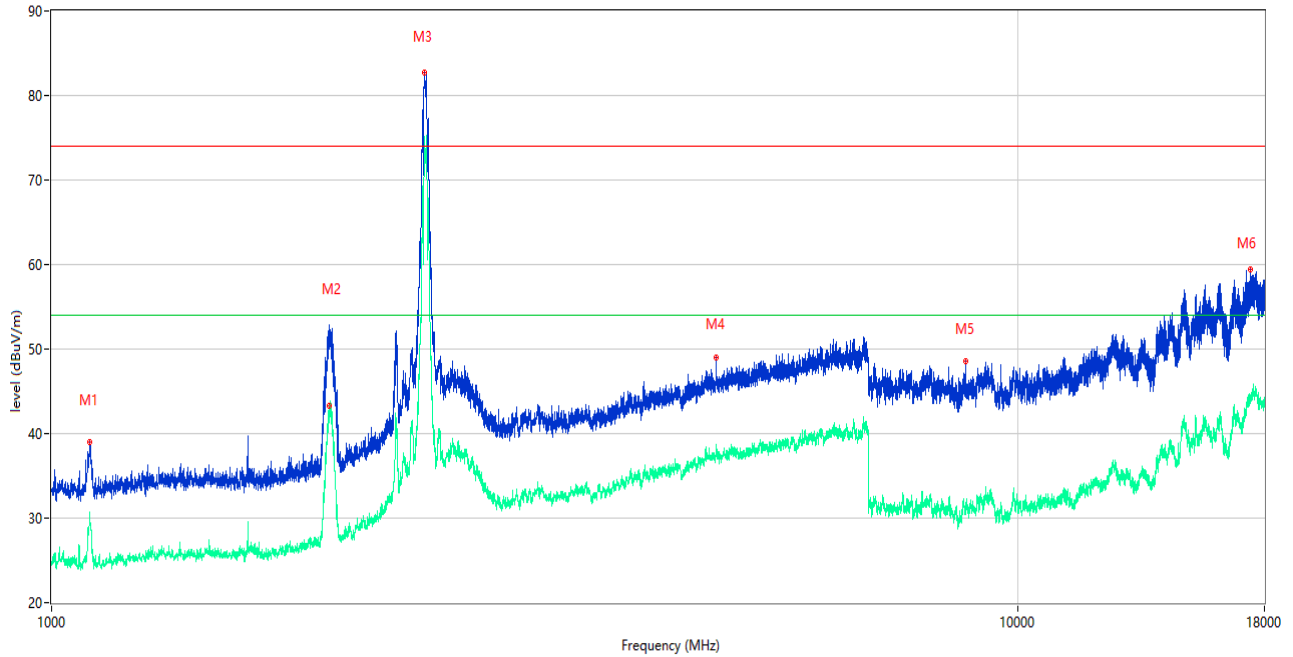
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1200.000	33.61	-14.97	54.0	-20.39	AV	356.00	150	Vertical	Pass
1	1200.000	45.38	-14.97	74.0	-28.62	Peak	356.00	150	Vertical	Pass
2**	2000.000	34.64	-13.40	54.0	-19.36	AV	356.00	150	Vertical	Pass
2	2000.000	44.74	-13.40	74.0	-29.26	Peak	356.00	150	Vertical	Pass
3**	2431.500	74.64	-10.36	54.0	20.64	AV	264.00	150	Vertical	N/A
3	2431.500	82.69	-10.36	74.0	8.69	Peak	264.00	150	Vertical	N/A
4**	4668.000	41.52	-2.08	54.0	-12.48	AV	213.00	150	Vertical	Pass
4	4668.000	46.59	-2.08	74.0	-27.41	Peak	213.00	150	Vertical	Pass
5**	9898.000	33.09	18.51	54.0	-20.91	AV	71.00	150	Vertical	Pass
5	9898.000	49.56	18.51	74.0	-24.44	Peak	71.00	150	Vertical	Pass
6**	17637.751	44.85	29.59	54.0	-9.15	AV	314.00	150	Vertical	Pass
6	17637.751	59.91	29.59	74.0	-14.09	Peak	314.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11g Middle Channel

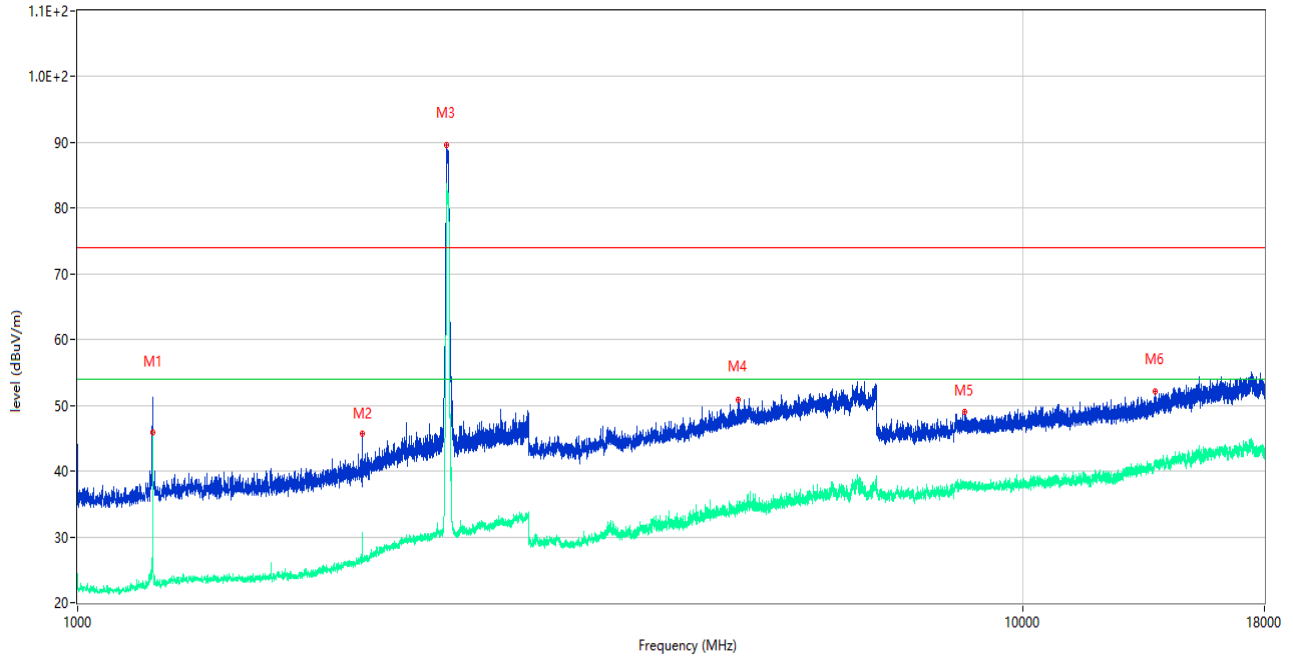
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1095.000	29.17	-14.88	54.0	-24.83	AV	159.00	150	Horizontal	Pass
1	1095.000	38.98	-14.88	74.0	-35.02	Peak	159.00	150	Horizontal	Pass
2**	1938.000	43.27	-13.29	54.0	-10.73	AV	148.00	150	Horizontal	Pass
2	1938.000	51.48	-13.29	74.0	-22.52	Peak	148.00	150	Horizontal	Pass
3**	2430.000	75.07	-10.36	54.0	21.07	AV	61.00	150	Horizontal	N/A
3	2430.000	82.77	-10.36	74.0	8.77	Peak	61.00	150	Horizontal	N/A
4**	4874.000	37.62	-1.80	54.0	-16.38	AV	134.00	150	Horizontal	Pass
4	4874.000	49.06	-1.80	74.0	-24.94	Peak	134.00	150	Horizontal	Pass
5**	8828.500	30.69	17.11	54.0	-23.31	AV	41.00	150	Horizontal	Pass
5	8828.500	48.61	17.11	74.0	-25.39	Peak	41.00	150	Horizontal	Pass
6**	17394.938	44.44	29.02	54.0	-9.56	AV	56.00	150	Horizontal	Pass
6	17394.938	59.38	29.02	74.0	-14.62	Peak	56.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11g High Channel

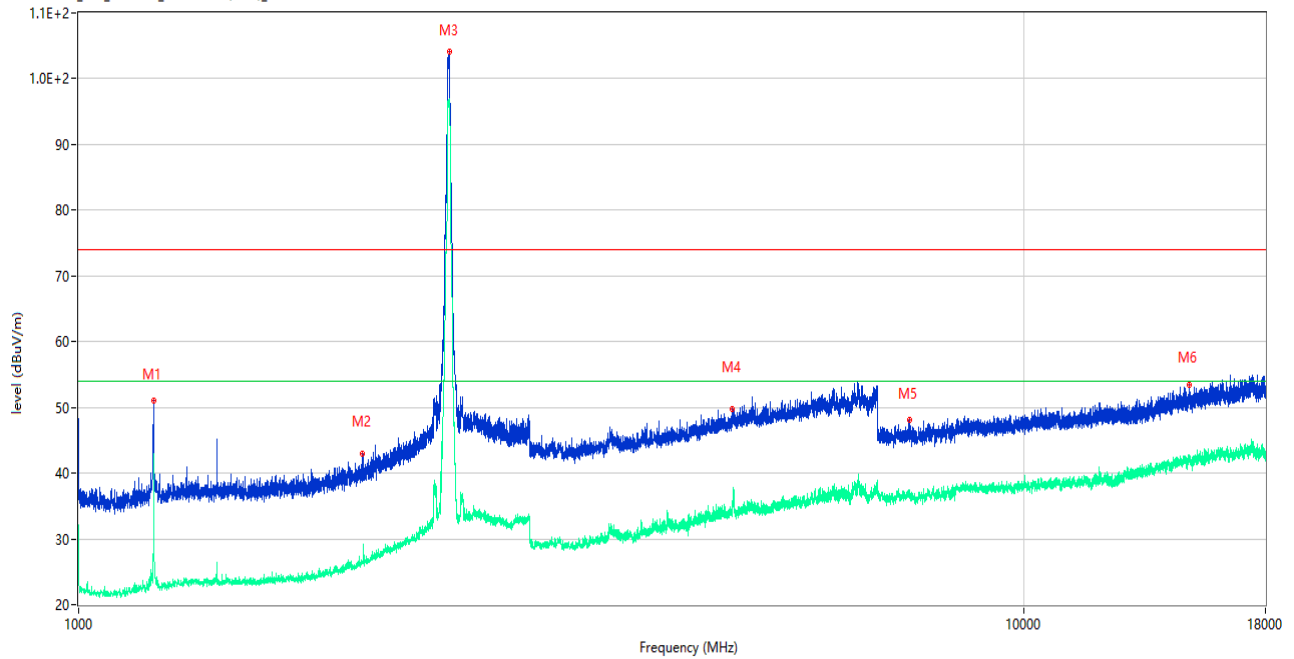
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1200.500	45.87	-17.61	54.0	-8.13	AV	235.00	150	Vertical	Pass
1	1200.500	48.08	-17.61	74.0	-25.92	Peak	235.00	150	Vertical	Pass
2**	1999.500	27.01	-15.44	54.0	-26.99	AV	111.00	150	Vertical	Pass
2	1999.500	45.72	-15.44	74.0	-28.28	Peak	111.00	150	Vertical	Pass
3**	2455.000	82.92	-12.72	54.0	28.92	AV	10.00	150	Vertical	N/A
3	2455.000	89.63	-12.72	74.0	15.63	Peak	10.00	150	Vertical	N/A
4**	5002.000	34.84	-2.95	54.0	-19.16	AV	232.00	150	Vertical	Pass
4	5002.000	50.79	-2.95	74.0	-23.21	Peak	232.00	150	Vertical	Pass
5**	8673.250	37.86	-1.73	54.0	-16.14	AV	161.00	150	Vertical	Pass
5	8673.250	48.97	-1.73	74.0	-25.03	Peak	161.00	150	Vertical	Pass
6**	13802.625	40.72	2.70	54.0	-13.28	AV	310.00	150	Vertical	Pass
6	13802.625	52.15	2.70	74.0	-21.85	Peak	310.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11g High Channel

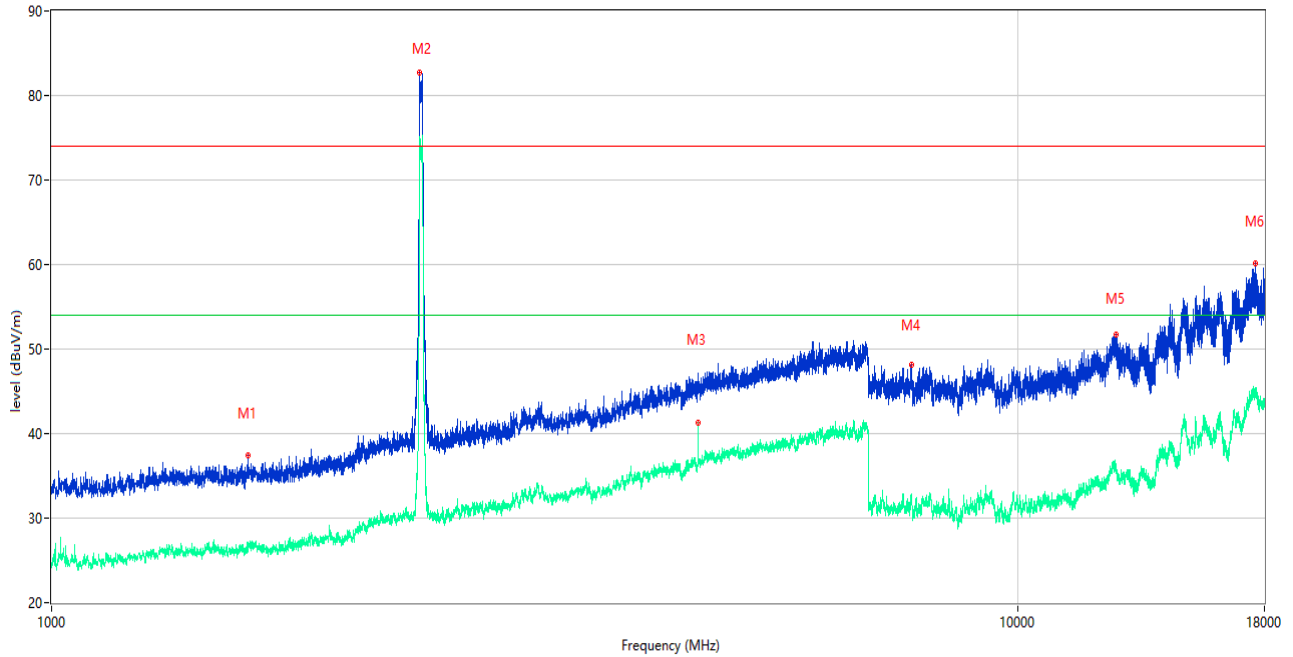
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1200.000	35.82	-17.58	54.0	-18.18	AV	0.00	150	Horizontal	Pass
1	1200.000	48.21	-17.58	74.0	-25.79	Peak	0.00	150	Horizontal	Pass
2**	1993.000	26.25	-15.46	54.0	-27.75	AV	37.00	150	Horizontal	Pass
2	1993.000	43.04	-15.46	74.0	-30.96	Peak	37.00	150	Horizontal	Pass
3**	2465.000	96.95	-12.74	54.0	42.95	AV	302.00	150	Horizontal	N/A
3	2465.000	104.08	-12.74	74.0	30.08	Peak	302.00	150	Horizontal	N/A
4**	4912.000	33.57	-2.51	54.0	-20.43	AV	330.00	150	Horizontal	Pass
4	4912.000	49.74	-2.51	74.0	-24.26	Peak	330.00	150	Horizontal	Pass
5**	7557.750	36.80	-1.92	54.0	-17.20	AV	119.00	150	Horizontal	Pass
5	7557.750	48.04	-1.92	74.0	-25.96	Peak	119.00	150	Horizontal	Pass
6**	14966.813	41.68	1.75	54.0	-12.32	AV	301.00	150	Horizontal	Pass
6	14966.813	53.37	1.75	74.0	-20.63	Peak	301.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n20 Low Channel

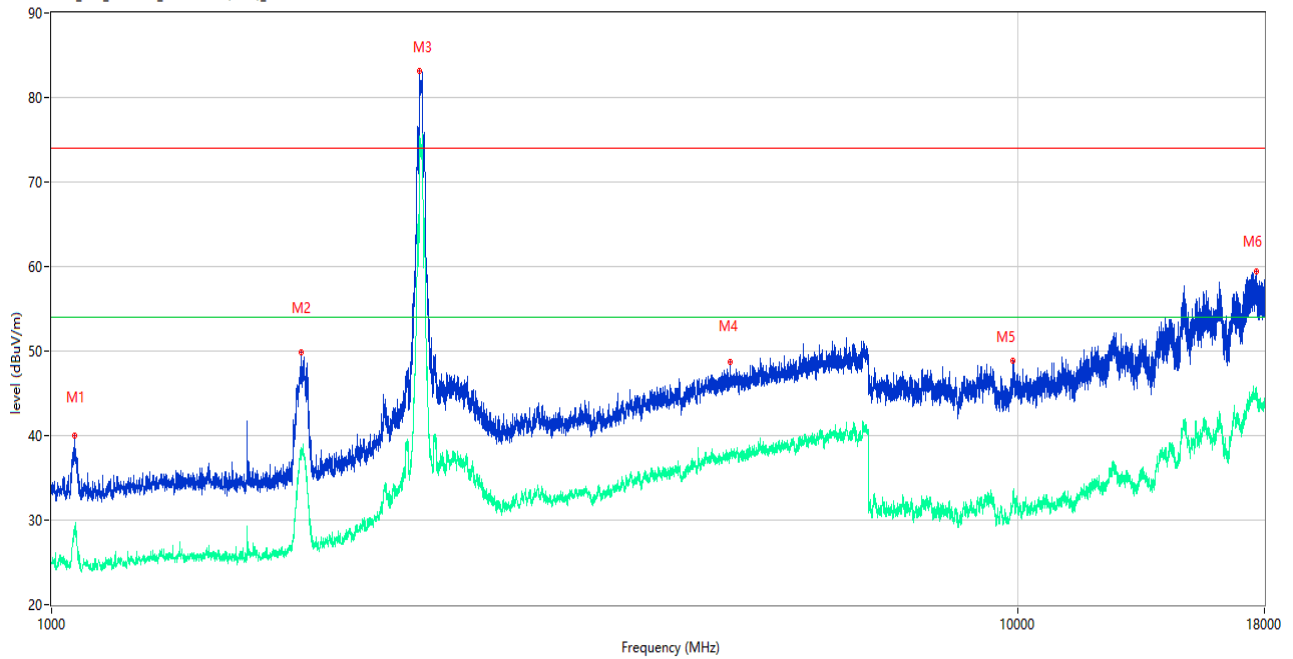
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1595.500	26.18	-15.23	54.0	-27.82	AV	0.00	150	Vertical	Pass
1	1595.500	37.44	-15.23	74.0	-36.56	Peak	0.00	150	Vertical	Pass
2**	2404.500	75.12	-10.40	54.0	21.12	AV	260.00	150	Vertical	N/A
2	2404.500	82.67	-10.40	74.0	8.67	Peak	260.00	150	Vertical	N/A
3**	4668.000	41.26	-2.08	54.0	-12.74	AV	148.00	150	Vertical	Pass
3	4668.000	47.13	-2.08	74.0	-26.87	Peak	148.00	150	Vertical	Pass
4**	7756.125	32.87	17.83	54.0	-21.13	AV	0.00	150	Vertical	Pass
4	7756.125	48.12	17.83	74.0	-25.88	Peak	0.00	150	Vertical	Pass
5**	12630.688	36.20	22.10	54.0	-17.80	AV	264.00	150	Vertical	Pass
5	12630.688	51.72	22.10	74.0	-22.28	Peak	264.00	150	Vertical	Pass
6**	17629.874	44.86	29.51	54.0	-9.14	AV	182.00	150	Vertical	Pass
6	17629.874	60.15	29.51	74.0	-13.85	Peak	182.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n20 Low Channel

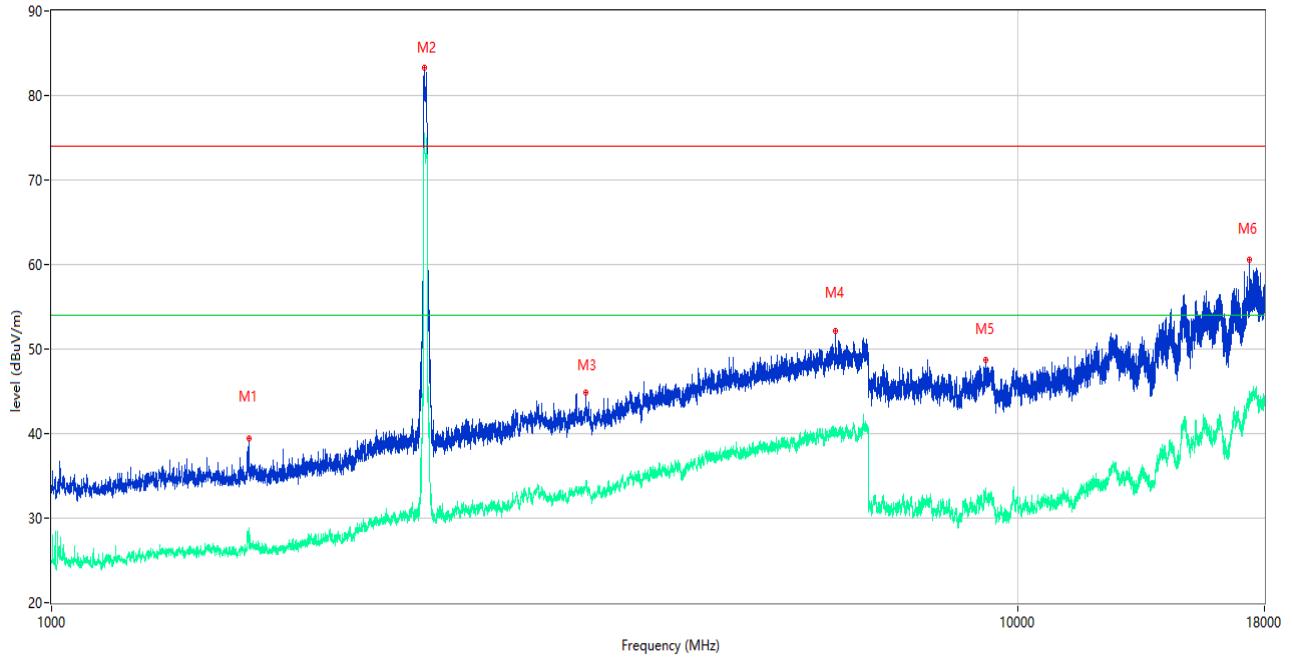
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1056.000	28.79	-15.15	54.0	-25.21	AV	125.00	150	Horizontal	Pass
1	1056.000	39.94	-15.15	74.0	-34.06	Peak	125.00	150	Horizontal	Pass
2**	1812.500	38.54	-14.93	54.0	-15.46	AV	135.00	150	Horizontal	Pass
2	1812.500	49.92	-14.93	74.0	-24.08	Peak	135.00	150	Horizontal	Pass
3**	2404.500	75.48	-10.40	54.0	21.48	AV	208.00	150	Horizontal	N/A
3	2404.500	83.09	-10.40	74.0	9.09	Peak	208.00	150	Horizontal	N/A
4**	5042.000	37.39	-1.15	54.0	-16.61	AV	207.00	150	Horizontal	Pass
4	5042.000	48.71	-1.15	74.0	-25.29	Peak	207.00	150	Horizontal	Pass
5**	9892.250	33.40	18.16	54.0	-20.60	AV	118.00	150	Horizontal	Pass
5	9892.250	48.86	18.16	74.0	-25.14	Peak	118.00	150	Horizontal	Pass
6**	17640.374	45.22	29.61	54.0	-8.78	AV	224.00	150	Horizontal	Pass
6	17640.374	59.38	29.61	74.0	-14.62	Peak	224.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n20 Middle Channel

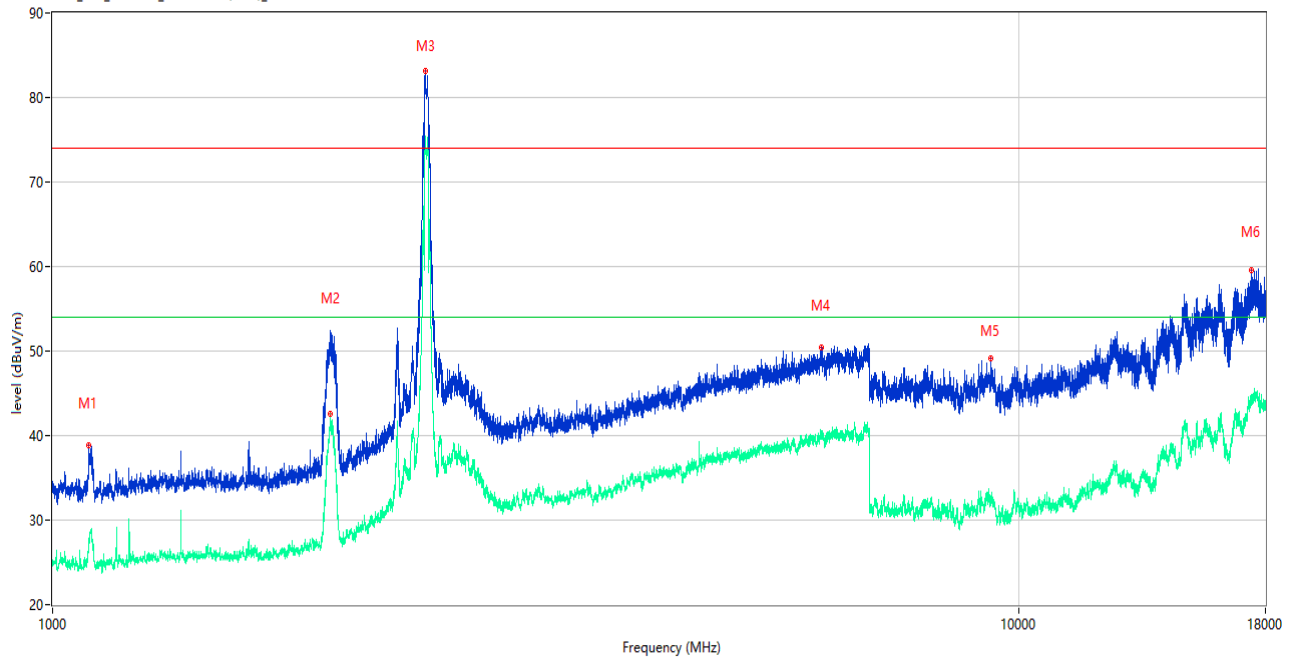
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1599.500	27.37	-15.34	54.0	-26.63	AV	294.00	150	Vertical	Pass
1	1599.500	39.44	-15.34	74.0	-34.56	Peak	294.00	150	Vertical	Pass
2**	2430.500	75.13	-10.35	54.0	21.13	AV	41.00	150	Vertical	N/A
2	2430.500	83.28	-10.35	74.0	9.28	Peak	41.00	150	Vertical	N/A
3**	3574.000	34.41	-5.99	54.0	-19.59	AV	157.00	150	Vertical	Pass
3	3574.000	44.82	-5.99	74.0	-29.18	Peak	157.00	150	Vertical	Pass
4**	6478.000	40.36	3.04	54.0	-13.64	AV	140.00	150	Vertical	Pass
4	6478.000	52.13	3.04	74.0	-21.87	Peak	140.00	150	Vertical	Pass
5**	9264.062	32.45	18.19	54.0	-21.55	AV	96.00	150	Vertical	Pass
5	9264.062	48.71	18.19	74.0	-25.29	Peak	96.00	150	Vertical	Pass
6**	17368.687	43.96	29.20	54.0	-10.04	AV	28.00	150	Vertical	Pass
6	17368.687	60.53	29.20	74.0	-13.47	Peak	28.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n20 Middle Channel

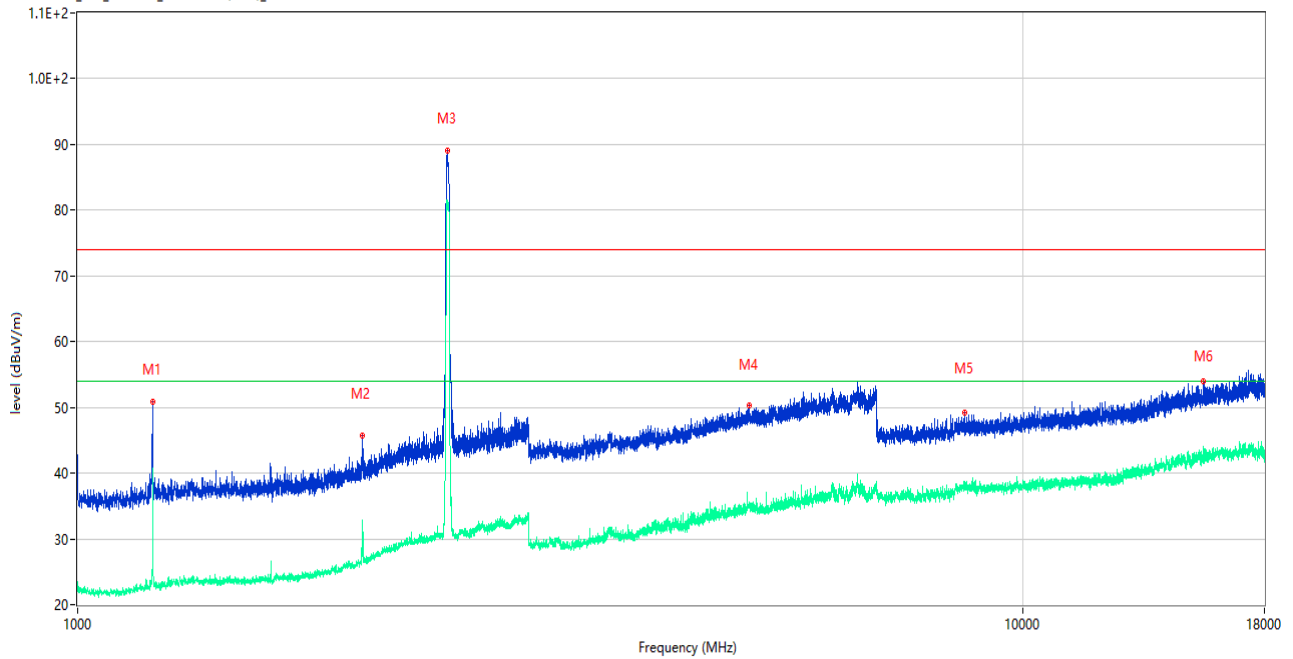
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1089.000	27.32	-15.15	54.0	-26.68	AV	157.00	150	Horizontal	Pass
1	1089.000	38.91	-15.15	74.0	-35.09	Peak	157.00	150	Horizontal	Pass
2**	1939.000	42.57	-13.28	54.0	-11.43	AV	157.00	150	Horizontal	Pass
2	1939.000	52.14	-13.28	74.0	-21.86	Peak	157.00	150	Horizontal	Pass
3**	2430.000	75.38	-10.36	54.0	21.38	AV	189.00	150	Horizontal	N/A
3	2430.000	83.13	-10.36	74.0	9.13	Peak	189.00	150	Horizontal	N/A
4**	6252.000	39.61	1.92	54.0	-14.39	AV	150.00	150	Horizontal	Pass
4	6252.000	50.37	1.92	74.0	-23.63	Peak	150.00	150	Horizontal	Pass
5**	9357.500	32.92	17.49	54.0	-21.08	AV	182.00	150	Horizontal	Pass
5	9357.500	49.11	17.49	74.0	-24.89	Peak	182.00	150	Horizontal	Pass
6**	17422.500	43.83	28.79	54.0	-10.17	AV	240.00	150	Horizontal	Pass
6	17422.500	59.54	28.79	74.0	-14.46	Peak	240.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n20 High Channel

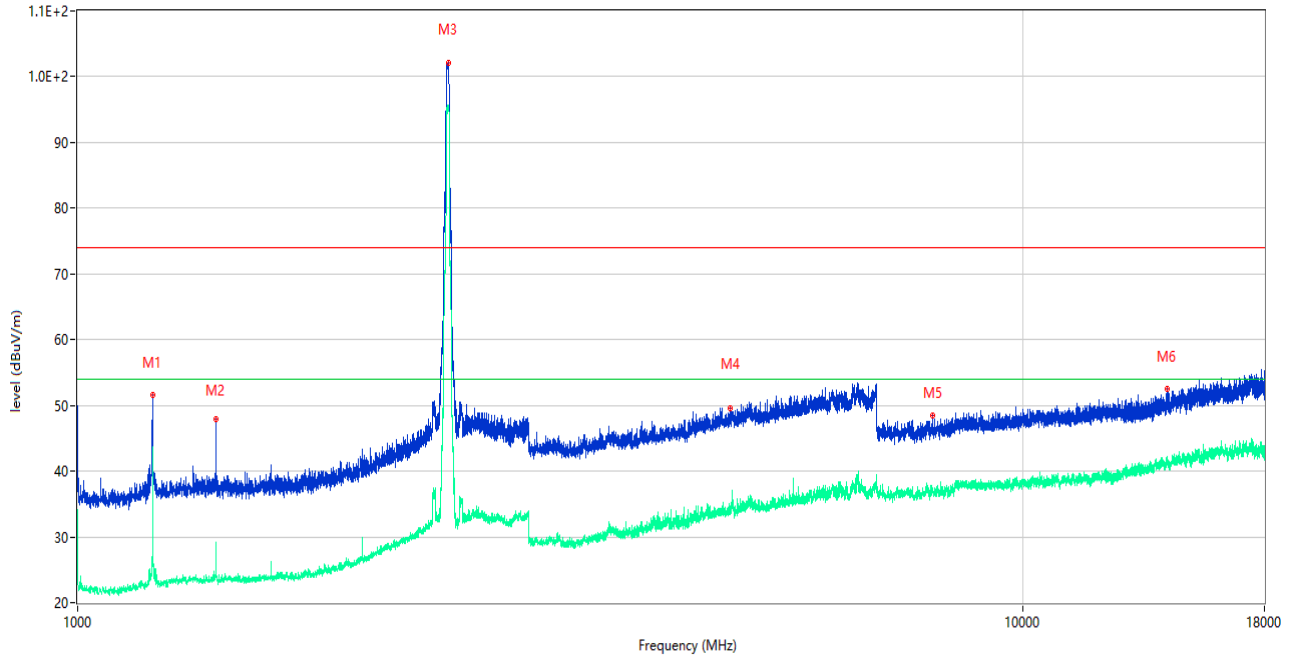
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1200.000	37.12	-17.58	54.0	-16.88	AV	171.00	150	Vertical	Pass
1	1200.000	50.89	-17.58	74.0	-23.11	Peak	171.00	150	Vertical	Pass
2**	2000.000	31.26	-15.47	54.0	-22.74	AV	118.00	150	Vertical	Pass
2	2000.000	45.64	-15.47	74.0	-28.36	Peak	118.00	150	Vertical	Pass
3**	2459.000	81.12	-12.87	54.0	27.12	AV	59.00	150	Vertical	N/A
3	2459.000	89.08	-12.87	74.0	15.08	Peak	59.00	150	Vertical	N/A
4**	5137.000	35.55	-2.54	54.0	-18.45	AV	274.00	150	Vertical	Pass
4	5137.000	50.38	-2.54	74.0	-23.62	Peak	274.00	150	Vertical	Pass
5**	8677.562	37.62	-1.76	54.0	-16.38	AV	27.00	150	Vertical	Pass
5	8677.562	49.18	-1.76	74.0	-24.82	Peak	27.00	150	Vertical	Pass
6**	15519.375	42.94	2.51	54.0	-11.06	AV	360.00	150	Vertical	Pass
6	15519.375	54.06	2.51	74.0	-19.94	Peak	360.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n20 High Channel

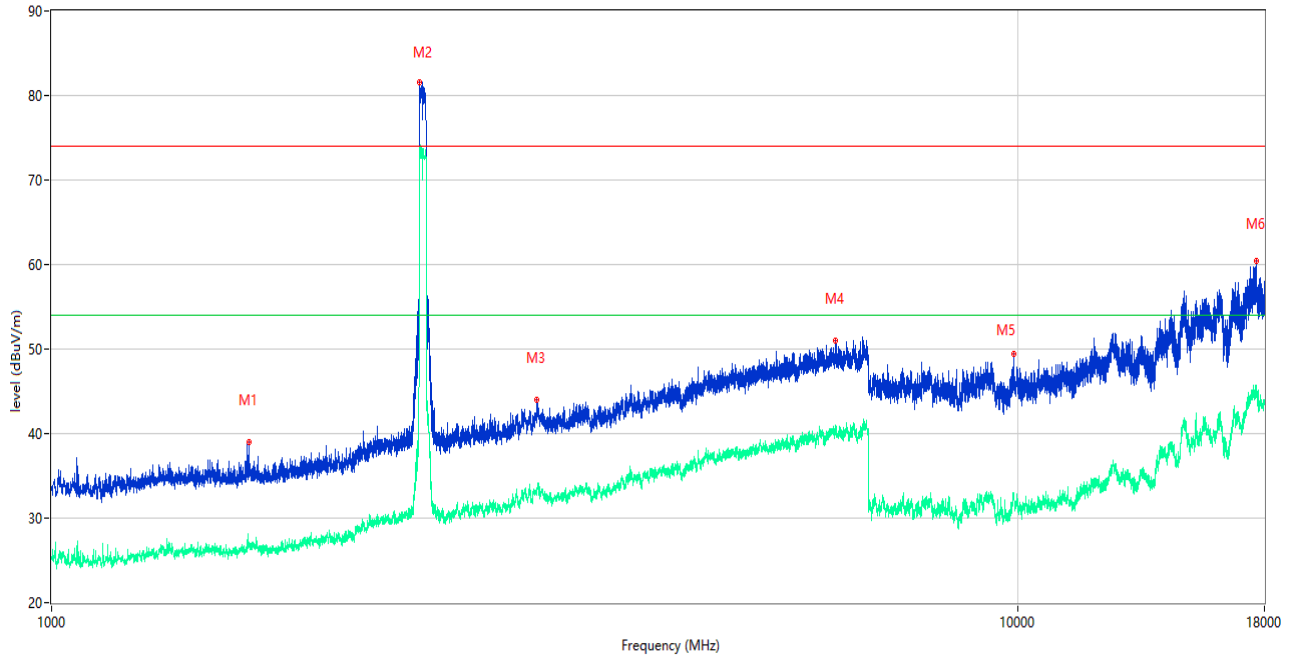
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1200.000	41.76	-17.58	54.0	-12.24	AV	177.00	150	Horizontal	Pass
1	1200.000	51.58	-17.58	74.0	-22.42	Peak	177.00	150	Horizontal	Pass
2**	1400.000	25.69	-17.22	54.0	-28.31	AV	63.00	150	Horizontal	Pass
2	1400.000	47.87	-17.22	74.0	-26.13	Peak	63.00	150	Horizontal	Pass
3**	2466.000	95.33	-12.71	54.0	41.33	AV	293.00	150	Horizontal	N/A
3	2466.000	102.06	-12.71	74.0	28.06	Peak	293.00	150	Horizontal	N/A
4**	4895.000	34.45	-2.88	54.0	-19.55	AV	32.00	150	Horizontal	Pass
4	4895.000	49.49	-2.88	74.0	-24.51	Peak	32.00	150	Horizontal	Pass
5**	8020.625	37.34	-2.01	54.0	-16.66	AV	143.00	150	Horizontal	Pass
5	8020.625	48.45	-2.01	74.0	-25.55	Peak	143.00	150	Horizontal	Pass
6**	14212.125	41.08	2.55	54.0	-12.92	AV	346.00	150	Horizontal	Pass
6	14212.125	52.60	2.55	74.0	-21.40	Peak	346.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n40 Low Channel

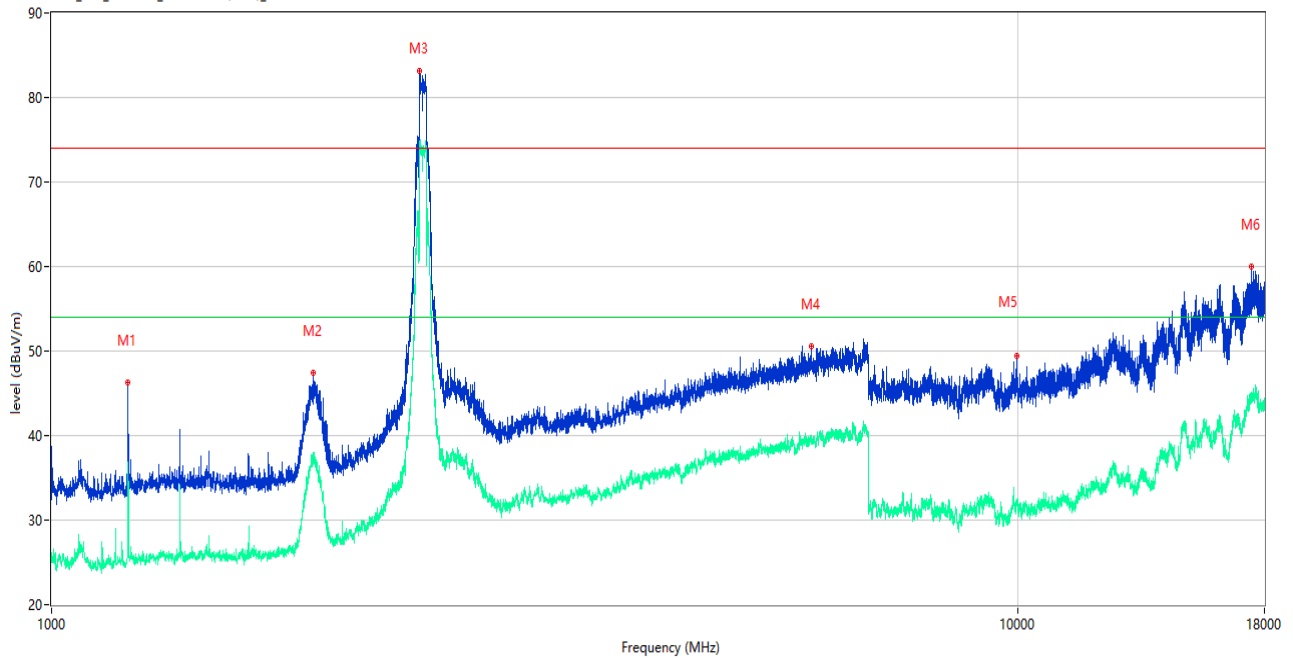
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1600.500	27.06	-15.26	54.0	-26.94	AV	300.00	150	Vertical	Pass
1	1600.500	38.97	-15.26	74.0	-35.03	Peak	300.00	150	Vertical	Pass
2**	2404.500	72.76	-10.40	54.0	18.76	AV	264.00	150	Vertical	N/A
2	2404.500	81.53	-10.40	74.0	7.53	Peak	264.00	150	Vertical	N/A
3**	3179.000	33.39	-5.82	54.0	-20.61	AV	0.00	150	Vertical	Pass
3	3179.000	44.07	-5.82	74.0	-29.93	Peak	0.00	150	Vertical	Pass
4**	6482.000	40.54	3.02	54.0	-13.46	AV	315.00	150	Vertical	Pass
4	6482.000	50.99	3.02	74.0	-23.01	Peak	315.00	150	Vertical	Pass
5**	9899.437	33.00	18.59	54.0	-21.00	AV	131.00	150	Vertical	Pass
5	9899.437	49.41	18.59	74.0	-24.59	Peak	131.00	150	Vertical	Pass
6**	17644.313	45.31	29.50	54.0	-8.69	AV	294.00	150	Vertical	Pass
6	17644.313	60.46	29.50	74.0	-13.54	Peak	294.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n40 Low Channel

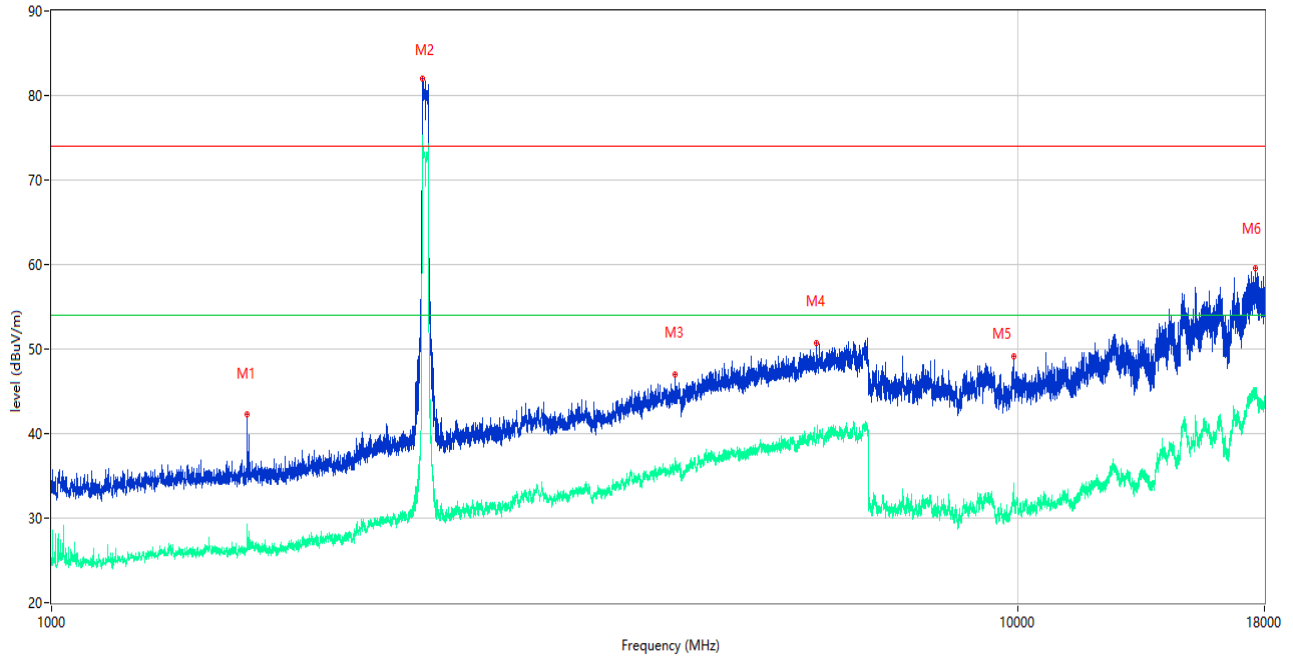
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1200.000	33.83	-14.97	54.0	-20.17	AV	360.00	150	Horizontal	Pass
1	1200.000	46.35	-14.97	74.0	-27.65	Peak	360.00	150	Horizontal	Pass
2**	1867.500	37.93	-13.90	54.0	-16.07	AV	150.00	150	Horizontal	Pass
2	1867.500	47.43	-13.90	74.0	-26.57	Peak	150.00	150	Horizontal	Pass
3**	2404.000	71.67	-10.48	54.0	17.67	AV	89.00	150	Horizontal	N/A
3	2404.000	83.10	-10.48	74.0	9.10	Peak	89.00	150	Horizontal	N/A
4**	6111.000	39.94	2.48	54.0	-14.06	AV	0.00	150	Horizontal	Pass
4	6111.000	50.61	2.48	74.0	-23.39	Peak	0.00	150	Horizontal	Pass
5**	9984.250	32.16	17.42	54.0	-21.84	AV	59.00	150	Horizontal	Pass
5	9984.250	49.48	17.42	74.0	-24.52	Peak	59.00	150	Horizontal	Pass
6**	17440.874	44.35	29.00	54.0	-9.65	AV	134.00	150	Horizontal	Pass
6	17440.874	60.07	29.00	74.0	-13.93	Peak	134.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n40 Middle Channel

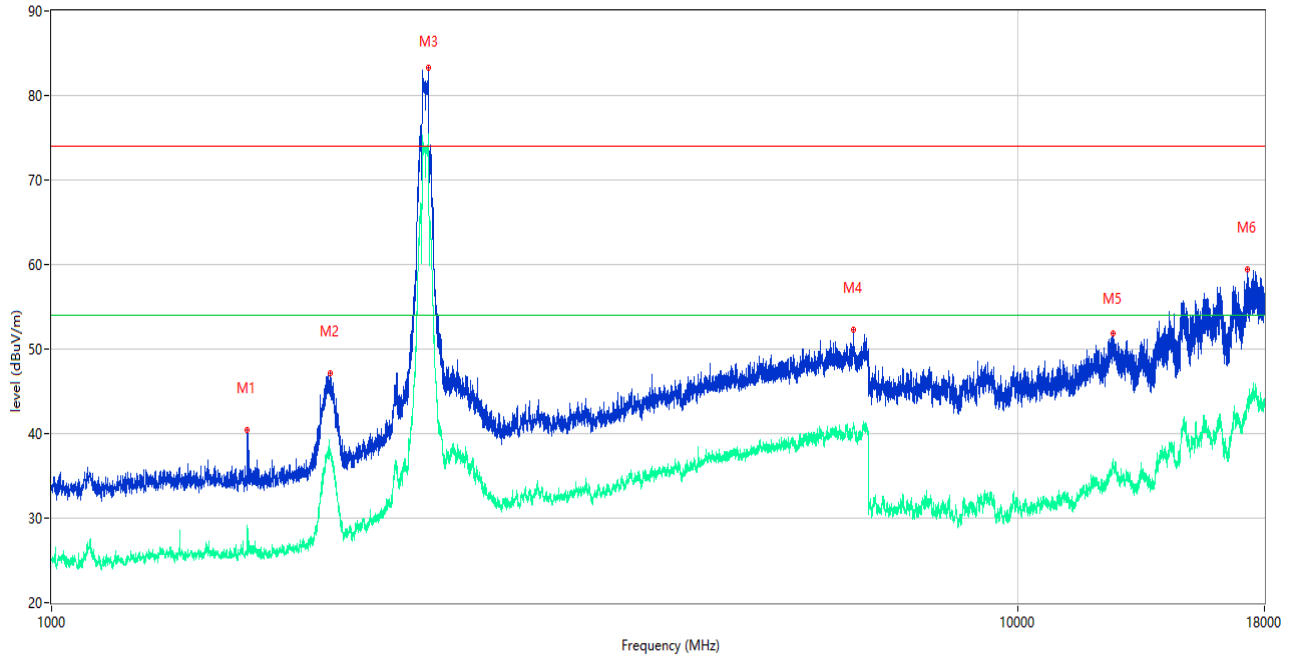
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1592.500	26.35	-15.10	54.0	-27.65	AV	293.00	150	Vertical	Pass
1	1592.500	42.28	-15.10	74.0	-31.72	Peak	293.00	150	Vertical	Pass
2**	2422.000	74.09	-10.11	54.0	20.09	AV	267.00	150	Vertical	N/A
2	2422.000	81.96	-10.11	74.0	7.96	Peak	267.00	150	Vertical	N/A
3**	4419.000	36.74	-2.93	54.0	-17.26	AV	241.00	150	Vertical	Pass
3	4419.000	47.02	-2.93	74.0	-26.98	Peak	241.00	150	Vertical	Pass
4**	6192.000	39.77	2.19	54.0	-14.23	AV	21.00	150	Vertical	Pass
4	6192.000	50.66	2.19	74.0	-23.34	Peak	21.00	150	Vertical	Pass
5**	9906.625	32.80	18.30	54.0	-21.20	AV	179.00	150	Vertical	Pass
5	9906.625	49.17	18.30	74.0	-24.83	Peak	179.00	150	Vertical	Pass
6**	17620.687	44.73	29.42	54.0	-9.27	AV	203.00	150	Vertical	Pass
6	17620.687	59.57	29.42	74.0	-14.43	Peak	203.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n40 Middle Channel

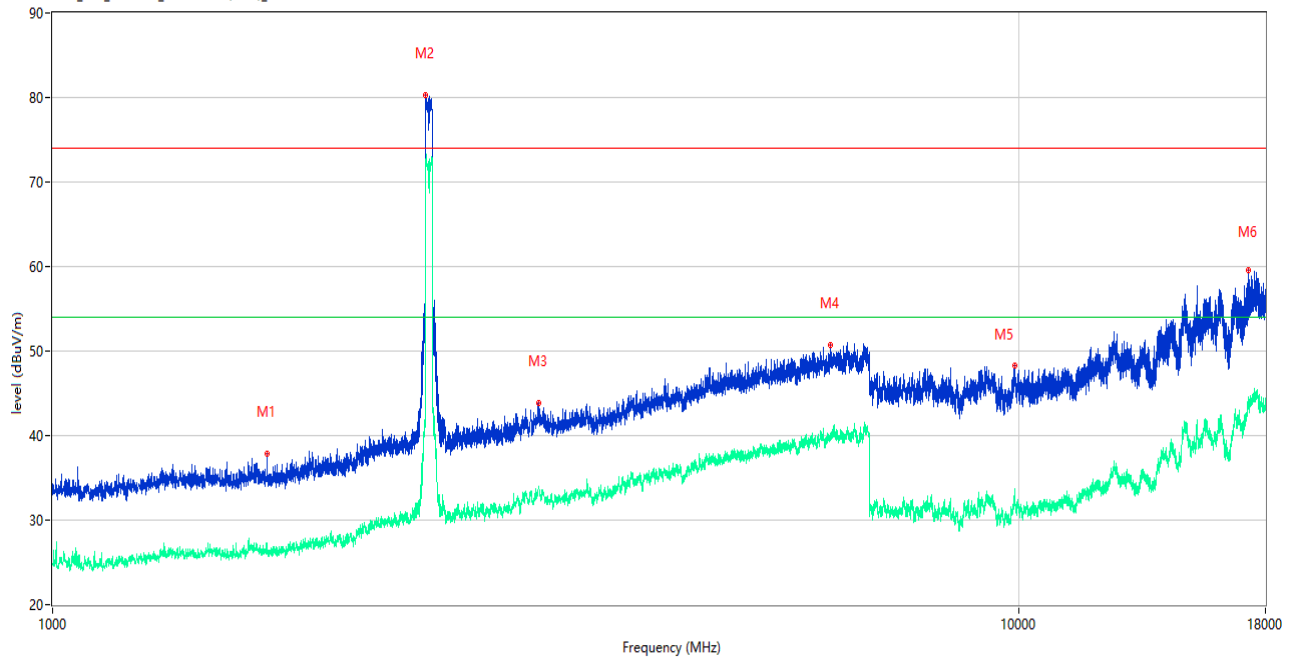
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1593.000	25.64	-15.13	54.0	-28.36	AV	239.00	150	Horizontal	Pass
1	1593.000	40.48	-15.13	74.0	-33.52	Peak	239.00	150	Horizontal	Pass
2**	1943.000	37.61	-13.48	54.0	-16.39	AV	160.00	150	Horizontal	Pass
2	1943.000	47.08	-13.48	74.0	-26.92	Peak	160.00	150	Horizontal	Pass
3**	2454.000	74.95	-10.12	54.0	20.95	AV	174.00	150	Horizontal	N/A
3	2454.000	83.29	-10.12	74.0	9.29	Peak	174.00	150	Horizontal	N/A
4**	6759.000	41.18	5.04	54.0	-12.82	AV	353.00	150	Horizontal	Pass
4	6759.000	52.26	5.04	74.0	-21.74	Peak	353.00	150	Horizontal	Pass
5**	12540.125	36.01	21.71	54.0	-17.99	AV	360.00	150	Horizontal	Pass
5	12540.125	51.90	21.71	74.0	-22.10	Peak	360.00	150	Horizontal	Pass
6**	17291.250	43.54	28.09	54.0	-10.46	AV	90.00	150	Horizontal	Pass
6	17291.250	59.45	28.09	74.0	-14.55	Peak	90.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n40 High Channel

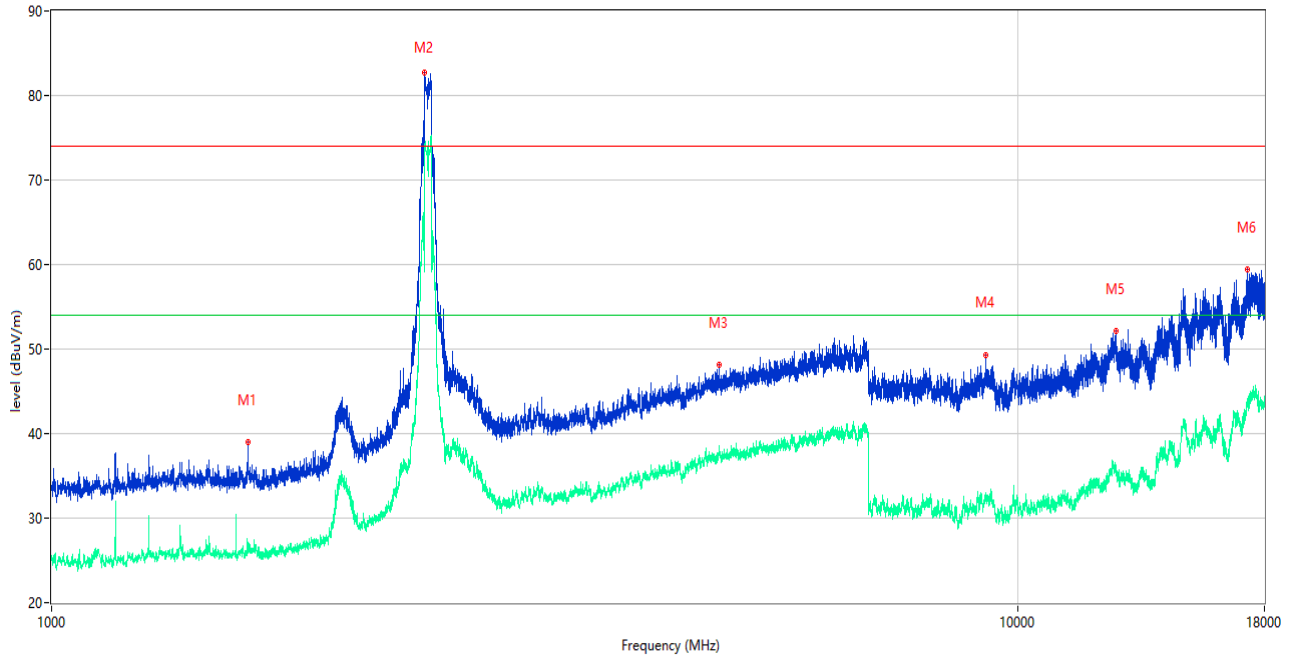
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1668.000	26.79	-14.91	54.0	-27.21	AV	289.00	150	Vertical	Pass
1	1668.000	37.81	-14.91	74.0	-36.19	Peak	289.00	150	Vertical	Pass
2**	2434.500	72.64	-10.56	54.0	18.64	AV	264.00	150	Vertical	N/A
2	2434.500	80.32	-10.56	74.0	6.32	Peak	264.00	150	Vertical	N/A
3**	3182.000	33.95	-5.85	54.0	-20.05	AV	133.00	150	Vertical	Pass
3	3182.000	43.85	-5.85	74.0	-30.15	Peak	133.00	150	Vertical	Pass
4**	6382.000	39.76	3.00	54.0	-14.24	AV	203.00	150	Vertical	Pass
4	6382.000	50.66	3.00	74.0	-23.34	Peak	203.00	150	Vertical	Pass
5**	9905.188	32.92	18.37	54.0	-21.08	AV	291.00	150	Vertical	Pass
5	9905.188	48.25	18.37	74.0	-25.75	Peak	291.00	150	Vertical	Pass
6**	17282.062	43.54	27.95	54.0	-10.46	AV	284.00	150	Vertical	Pass
6	17282.062	59.51	27.95	74.0	-14.49	Peak	284.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n40 High Channel

RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz

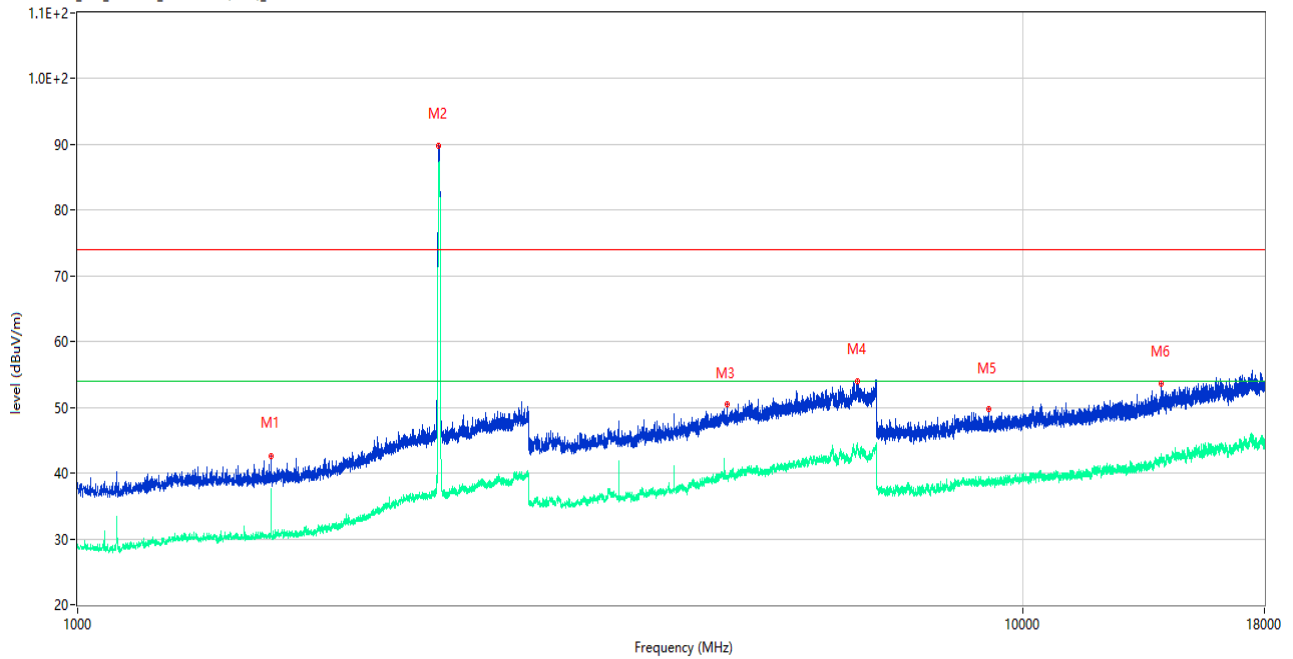


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1595.500	26.16	-15.23	54.0	-27.84	AV	276.00	150	Horizontal	Pass
1	1595.500	39.06	-15.23	74.0	-34.94	Peak	276.00	150	Horizontal	Pass
2**	2434.000	71.11	-10.53	54.0	17.11	AV	9.00	150	Horizontal	N/A
2	2434.000	82.65	-10.53	74.0	8.65	Peak	9.00	150	Horizontal	N/A
3**	4909.000	37.95	-1.04	54.0	-16.05	AV	2.00	150	Horizontal	Pass
3	4909.000	48.14	-1.04	74.0	-25.86	Peak	2.00	150	Horizontal	Pass
4**	9264.062	32.46	18.19	54.0	-21.54	AV	338.00	150	Horizontal	Pass
4	9264.062	49.33	18.19	74.0	-24.67	Peak	338.00	150	Horizontal	Pass
5**	12650.812	35.05	21.94	54.0	-18.95	AV	61.00	150	Horizontal	Pass
5	12650.812	52.15	21.94	74.0	-21.85	Peak	61.00	150	Horizontal	Pass
6**	17295.188	44.02	28.14	54.0	-9.98	AV	267.00	150	Horizontal	Pass
6	17295.188	59.49	28.14	74.0	-14.51	Peak	267.00	150	Horizontal	Pass

10.1 inch

1 GHz to 18 GHz, ANT V 802.11b Low Channel

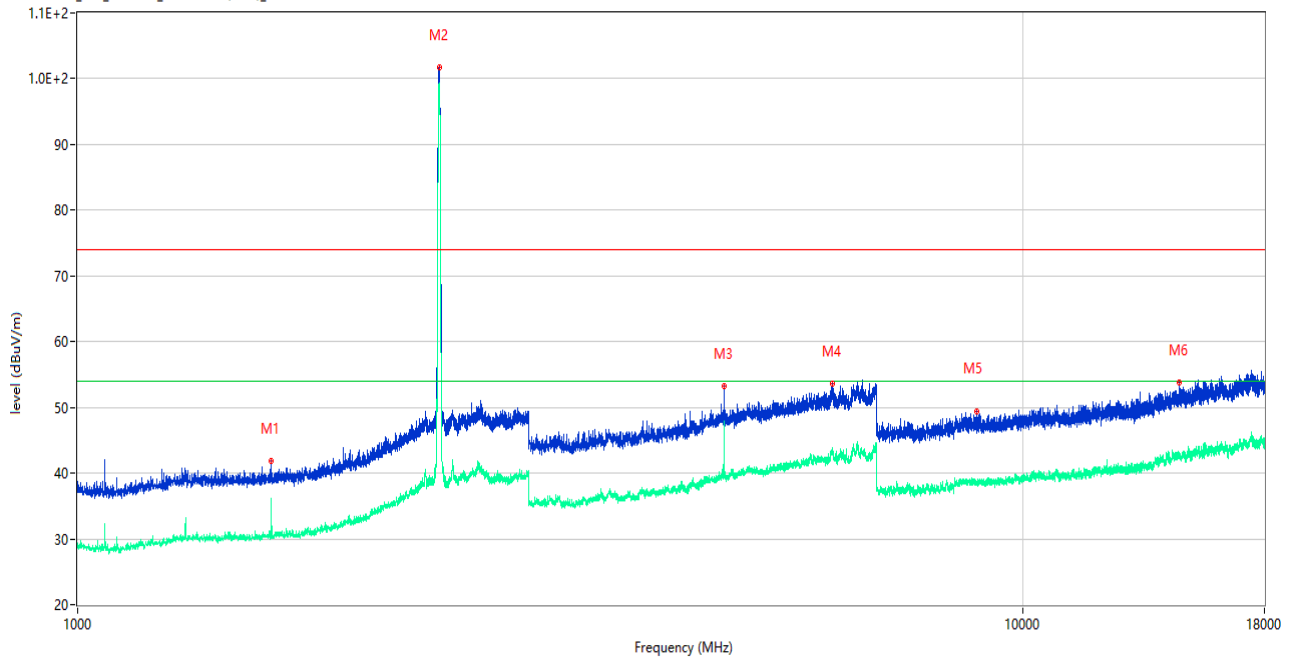
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1602.000	36.61	-17.32	54.0	-17.39	AV	284.00	150	Vertical	Pass
1	1602.000	42.68	-17.32	74.0	-31.32	Peak	284.00	150	Vertical	Pass
2**	2411.000	87.13	-12.26	54.0	33.13	AV	226.00	150	Vertical	N/A
2	2411.000	89.72	-12.26	74.0	15.72	Peak	226.00	150	Vertical	N/A
3**	4865.000	39.72	-2.96	54.0	-14.28	AV	332.00	150	Vertical	Pass
3	4865.000	50.40	-2.96	74.0	-23.60	Peak	332.00	150	Vertical	Pass
4**	6674.000	43.90	0.18	54.0	-10.10	AV	233.00	150	Vertical	Pass
4	6674.000	53.89	0.18	74.0	-20.11	Peak	233.00	150	Vertical	Pass
5**	9199.375	38.42	-0.72	54.0	-15.58	AV	83.00	150	Vertical	Pass
5	9199.375	49.79	-0.72	74.0	-24.21	Peak	83.00	150	Vertical	Pass
6**	14013.938	42.01	2.17	54.0	-11.99	AV	122.00	150	Vertical	Pass
6	14013.938	53.57	2.17	74.0	-20.43	Peak	122.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11b Low Channel

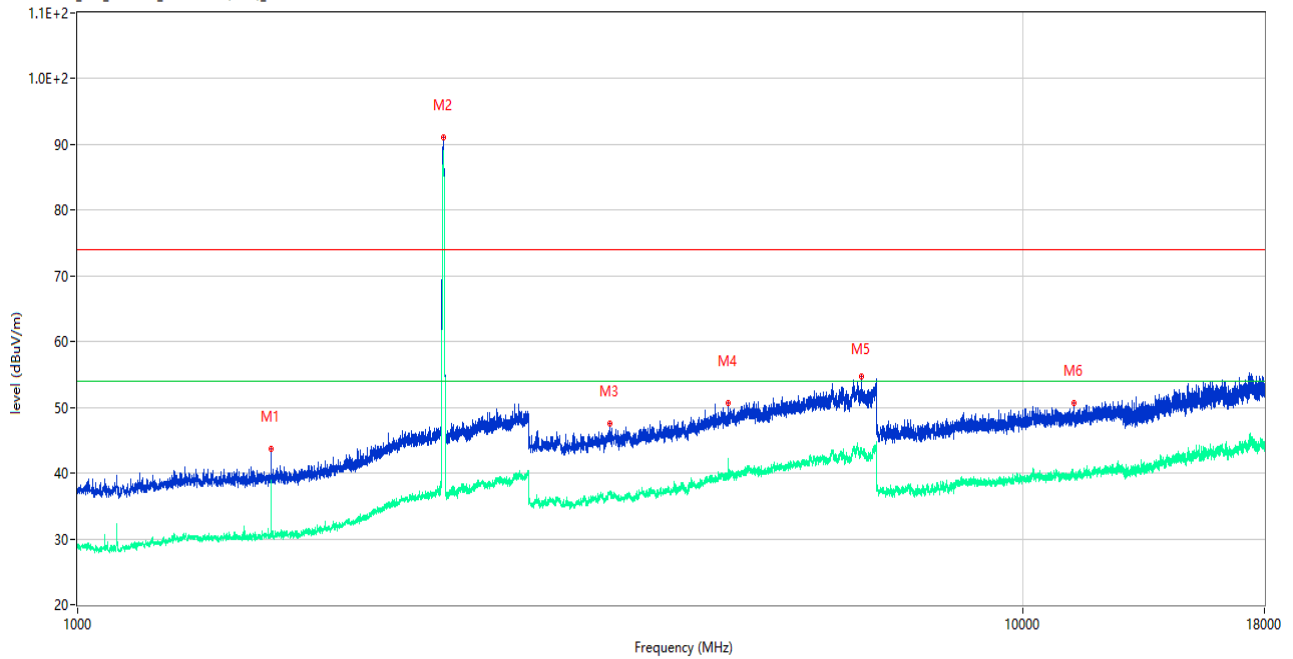
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1602.000	33.47	-17.32	54.0	-20.53	AV	195.00	150	Horizontal	Pass
1	1602.000	41.89	-17.32	74.0	-32.11	Peak	195.00	150	Horizontal	Pass
2**	2411.500	99.44	-12.26	54.0	45.44	AV	259.00	150	Horizontal	N/A
2	2411.500	101.77	-12.26	74.0	27.77	Peak	259.00	150	Horizontal	N/A
3**	4824.000	40.95	-3.36	54.0	-13.05	AV	324.00	150	Horizontal	Pass
3	4824.000	53.20	-3.36	74.0	-20.80	Peak	324.00	150	Horizontal	Pass
4**	6287.000	43.63	0.38	54.0	-10.37	AV	342.00	150	Horizontal	Pass
4	6287.000	53.59	0.38	74.0	-20.41	Peak	342.00	150	Horizontal	Pass
5**	8923.375	38.71	0.10	54.0	-15.29	AV	132.00	150	Horizontal	Pass
5	8923.375	49.42	0.10	74.0	-24.58	Peak	132.00	150	Horizontal	Pass
6**	14630.813	42.84	1.31	54.0	-11.16	AV	353.00	150	Horizontal	Pass
6	14630.813	53.79	1.31	74.0	-20.21	Peak	353.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11b Middle Channel

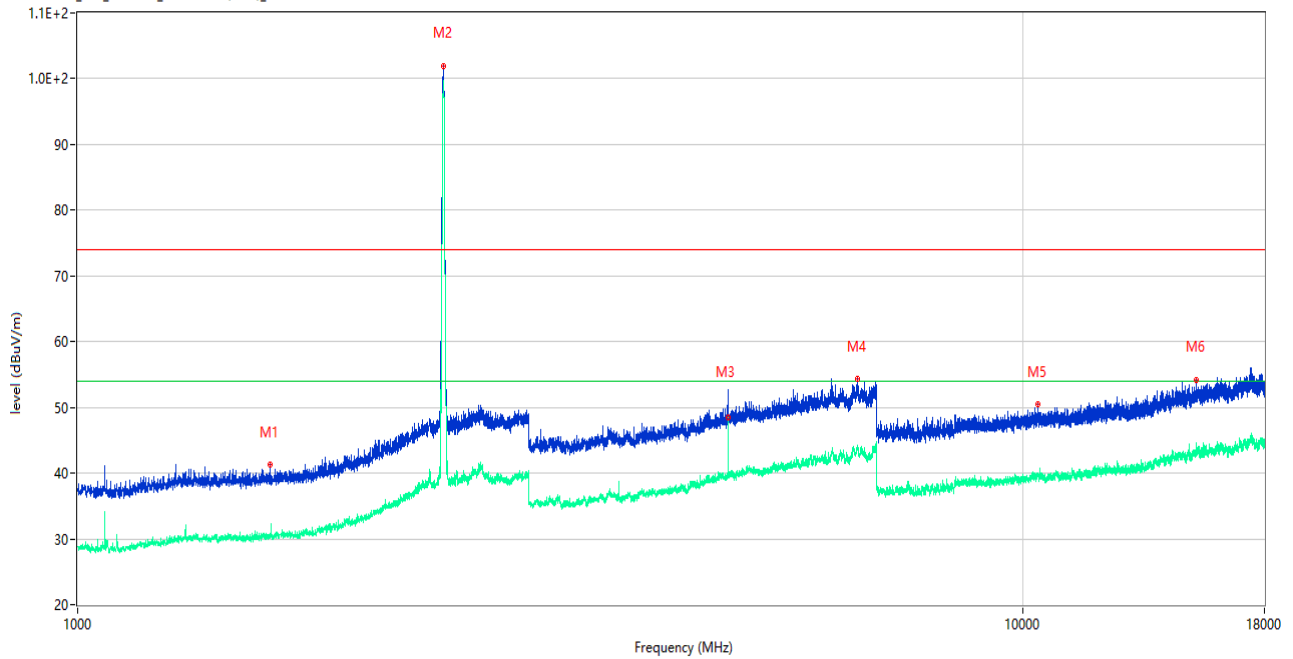
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1602.000	36.02	-17.32	54.0	-17.98	AV	0.00	150	Vertical	Pass
1	1602.000	43.69	-17.32	74.0	-30.31	Peak	0.00	150	Vertical	Pass
2**	2436.000	88.20	-12.64	54.0	34.20	AV	64.00	150	Vertical	N/A
2	2436.000	91.04	-12.64	74.0	17.04	Peak	64.00	150	Vertical	N/A
3**	3655.000	36.85	-6.42	54.0	-17.15	AV	17.00	150	Vertical	Pass
3	3655.000	47.49	-6.42	74.0	-26.51	Peak	17.00	150	Vertical	Pass
4**	4874.000	39.88	-3.32	54.0	-14.12	AV	255.00	150	Vertical	Pass
4	4874.000	50.61	-3.32	74.0	-23.39	Peak	255.00	150	Vertical	Pass
5**	6747.000	43.19	0.14	54.0	-10.81	AV	349.00	150	Vertical	Pass
5	6747.000	54.72	0.14	74.0	-19.28	Peak	349.00	150	Vertical	Pass
6**	11313.937	39.78	0.81	54.0	-14.22	AV	270.00	150	Vertical	Pass
6	11313.937	50.62	0.81	74.0	-23.38	Peak	270.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11b Middle Channel

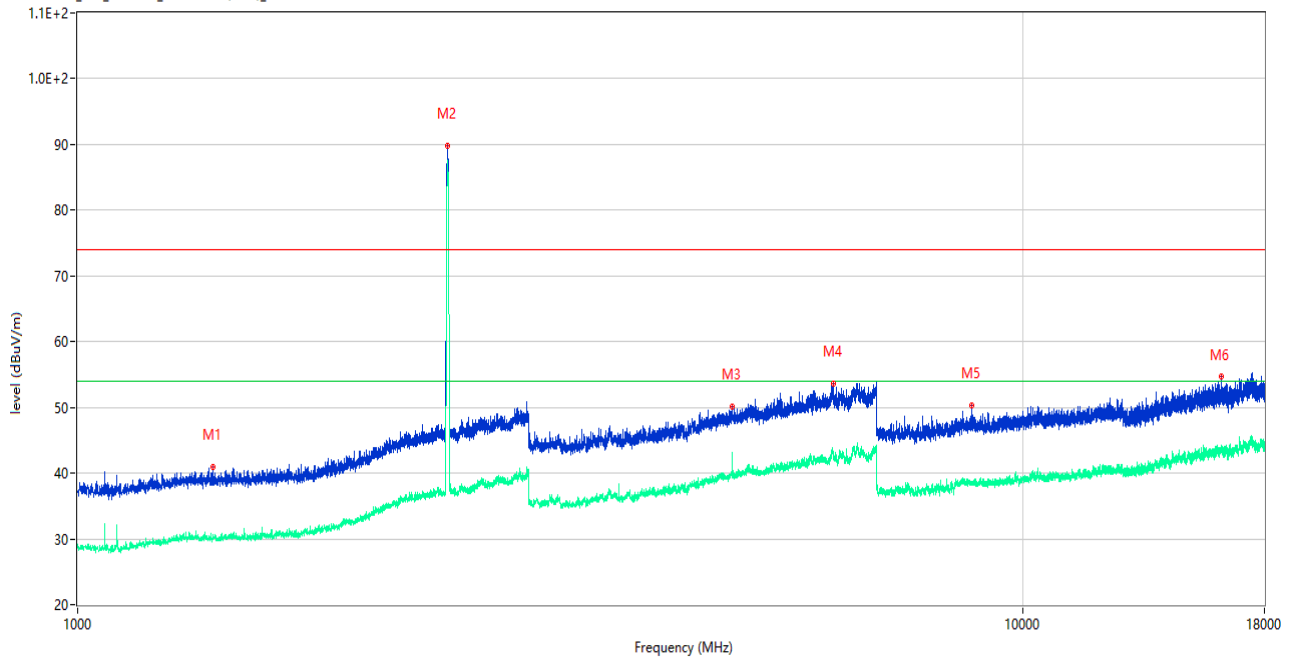
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1597.000	30.19	-17.33	54.0	-23.81	AV	174.00	150	Horizontal	Pass
1	1597.000	41.23	-17.33	74.0	-32.77	Peak	174.00	150	Horizontal	Pass
2**	2437.500	97.08	-12.53	54.0	43.08	AV	270.00	150	Horizontal	N/A
2	2437.500	101.98	-12.53	74.0	27.98	Peak	270.00	150	Horizontal	N/A
3**	4875.000	48.42	-3.18	54.0	-5.58	AV	65.00	150	Horizontal	Pass
3	4875.000	50.87	-3.18	74.0	-23.13	Peak	65.00	150	Horizontal	Pass
4**	6674.000	43.75	0.18	54.0	-10.25	AV	57.00	150	Horizontal	Pass
4	6674.000	54.32	0.18	74.0	-19.68	Peak	57.00	150	Horizontal	Pass
5**	10378.125	39.53	0.82	54.0	-14.47	AV	360.00	150	Horizontal	Pass
5	10378.125	50.54	0.82	74.0	-23.46	Peak	360.00	150	Horizontal	Pass
6**	15237.188	43.77	2.04	54.0	-10.23	AV	88.00	150	Horizontal	Pass
6	15237.188	54.11	2.04	74.0	-19.89	Peak	88.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11b High Channel

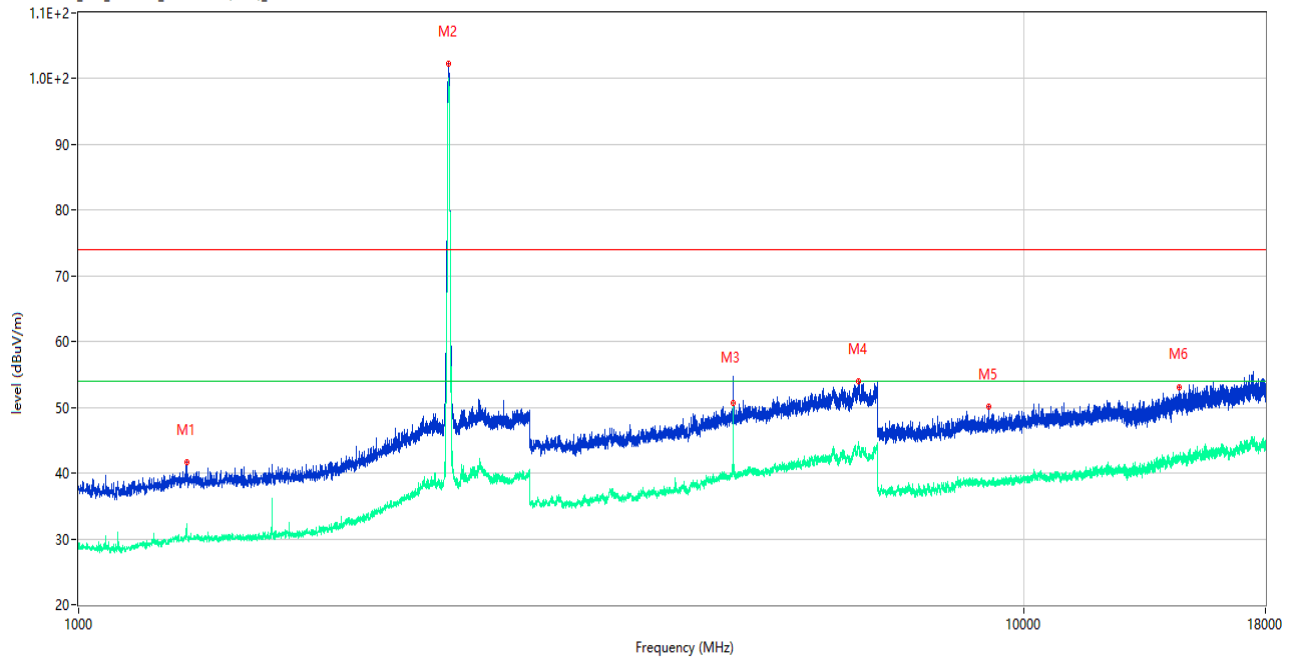
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1389.000	30.00	-17.27	54.0	-24.00	AV	33.00	150	Vertical	Pass
1	1389.000	40.86	-17.27	74.0	-33.14	Peak	33.00	150	Vertical	Pass
2**	2461.000	86.92	-12.62	54.0	32.92	AV	62.00	150	Vertical	N/A
2	2461.000	89.72	-12.62	74.0	15.72	Peak	62.00	150	Vertical	N/A
3**	4924.000	40.82	-2.55	54.0	-13.18	AV	148.00	150	Vertical	Pass
3	4924.000	50.16	-2.55	74.0	-23.84	Peak	148.00	150	Vertical	Pass
4**	6295.000	43.02	0.07	54.0	-10.98	AV	70.00	150	Vertical	Pass
4	6295.000	53.53	0.07	74.0	-20.47	Peak	70.00	150	Vertical	Pass
5**	8829.938	38.62	-0.43	54.0	-15.38	AV	63.00	150	Vertical	Pass
5	8829.938	50.26	-0.43	74.0	-23.74	Peak	63.00	150	Vertical	Pass
6**	16225.500	43.57	2.20	54.0	-10.43	AV	7.00	150	Vertical	Pass
6	16225.500	54.66	2.20	74.0	-19.34	Peak	7.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11b High Channel

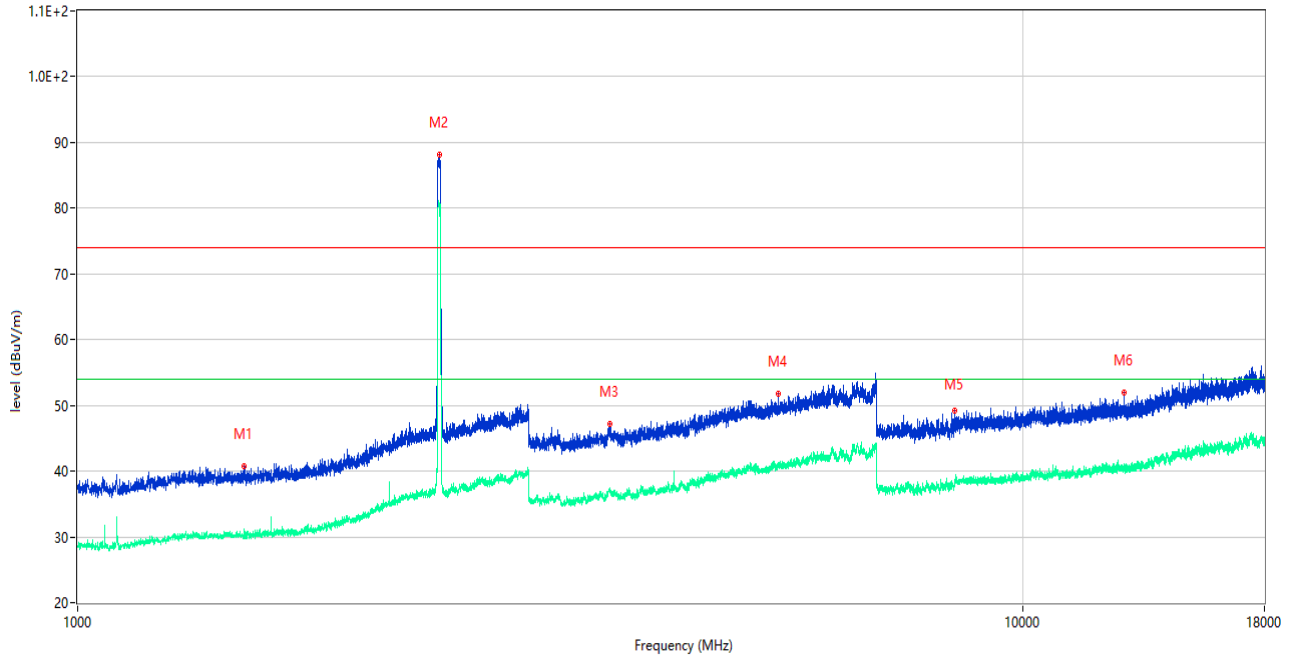
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1300.500	32.37	-17.03	54.0	-21.63	AV	166.00	150	Horizontal	Pass
1	1300.500	41.59	-17.03	74.0	-32.41	Peak	166.00	150	Horizontal	Pass
2**	2463.000	99.32	-12.56	54.0	45.32	AV	262.00	150	Horizontal	N/A
2	2463.000	102.21	-12.56	74.0	28.21	Peak	262.00	150	Horizontal	N/A
3**	4925.000	50.59	-2.73	54.0	-3.41	AV	284.00	150	Horizontal	Pass
3	4925.000	50.43	-2.73	74.0	-23.57	Peak	284.00	150	Horizontal	Pass
4**	6681.000	43.61	0.20	54.0	-10.39	AV	97.00	150	Horizontal	Pass
4	6681.000	53.99	0.20	74.0	-20.01	Peak	97.00	150	Horizontal	Pass
5**	9166.312	38.27	-1.07	54.0	-15.73	AV	121.00	150	Horizontal	Pass
5	9166.312	50.05	-1.07	74.0	-23.95	Peak	121.00	150	Horizontal	Pass
6**	14574.375	42.31	1.58	54.0	-11.69	AV	98.00	150	Horizontal	Pass
6	14574.375	53.03	1.58	74.0	-20.97	Peak	98.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11g Low Channel

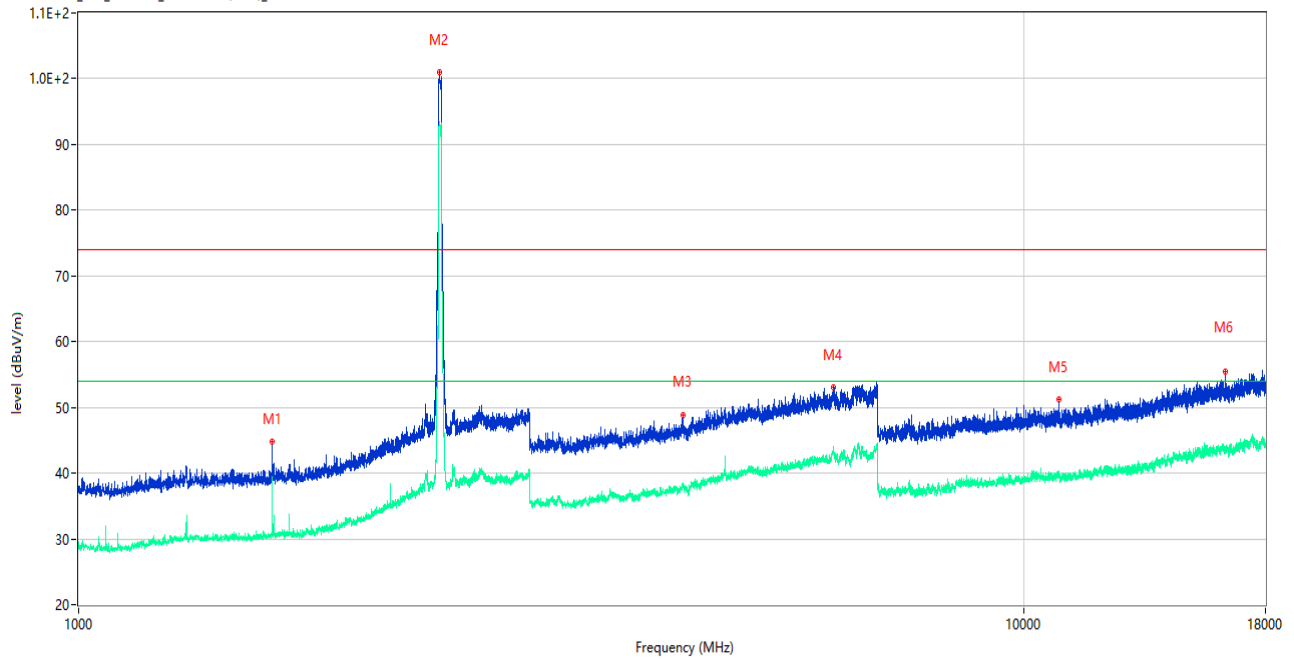
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1501.000	31.22	-17.20	54.0	-22.78	AV	8.00	150	Vertical	Pass
1	1501.000	40.68	-17.20	74.0	-33.32	Peak	8.00	150	Vertical	Pass
2**	2415.000	80.49	-12.41	54.0	26.49	AV	242.00	150	Vertical	N/A
2	2415.000	88.12	-12.41	74.0	14.12	Peak	242.00	150	Vertical	N/A
3**	3653.000	37.00	-6.31	54.0	-17.00	AV	271.00	150	Vertical	Pass
3	3653.000	47.27	-6.31	74.0	-26.73	Peak	271.00	150	Vertical	Pass
4**	5513.000	41.03	-2.37	54.0	-12.97	AV	240.00	150	Vertical	Pass
4	5513.000	51.74	-2.37	74.0	-22.26	Peak	240.00	150	Vertical	Pass
5**	8474.875	38.11	-1.34	54.0	-15.89	AV	172.00	150	Vertical	Pass
5	8474.875	49.19	-1.34	74.0	-24.81	Peak	172.00	150	Vertical	Pass
6**	12780.188	40.45	1.65	54.0	-13.55	AV	209.00	150	Vertical	Pass
6	12780.188	52.01	1.65	74.0	-21.99	Peak	209.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11g Low Channel

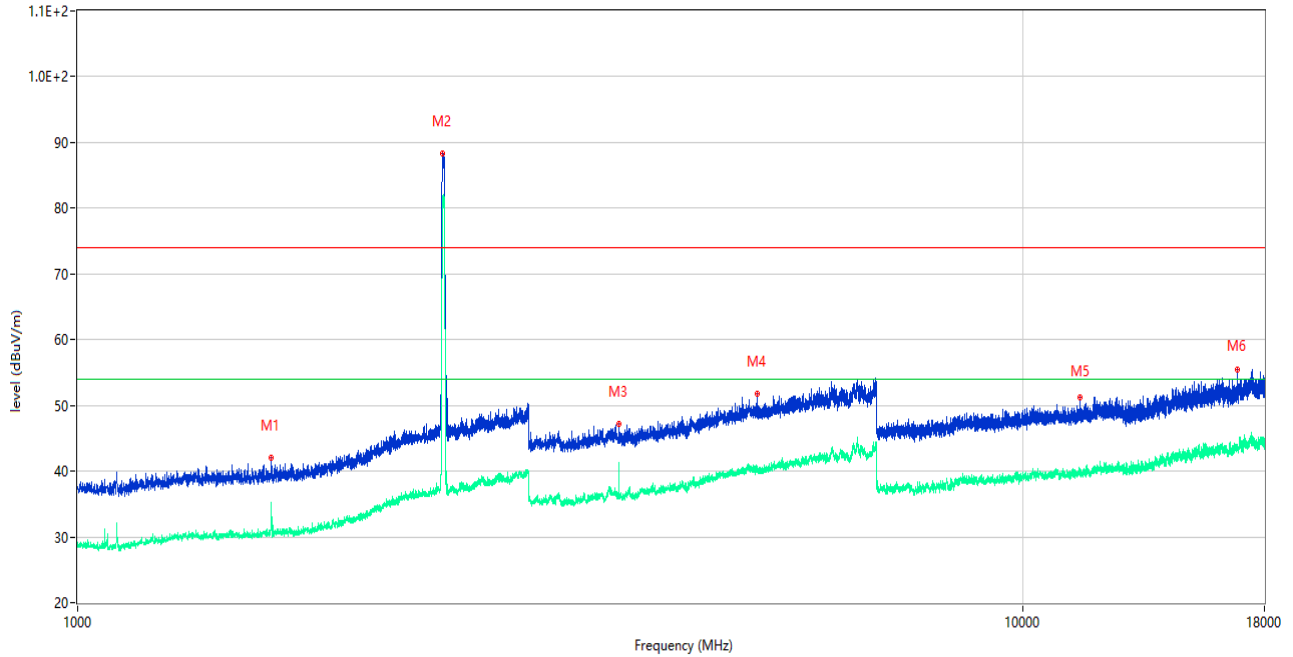
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1602.000	37.61	-17.32	54.0	-16.39	AV	160.00	150	Horizontal	Pass
1	1602.000	44.87	-17.32	74.0	-29.13	Peak	160.00	150	Horizontal	Pass
2**	2411.000	93.26	-12.26	54.0	39.26	AV	259.00	150	Horizontal	N/A
2	2411.000	100.91	-12.26	74.0	26.91	Peak	259.00	150	Horizontal	N/A
3**	4353.000	38.12	-3.79	54.0	-15.88	AV	253.00	150	Horizontal	Pass
3	4353.000	48.79	-3.79	74.0	-25.21	Peak	253.00	150	Horizontal	Pass
4**	6281.000	43.18	0.23	54.0	-10.82	AV	0.00	150	Horizontal	Pass
4	6281.000	53.00	0.23	74.0	-21.00	Peak	0.00	150	Horizontal	Pass
5**	10887.000	39.63	0.40	54.0	-14.37	AV	342.00	150	Horizontal	Pass
5	10887.000	51.21	0.40	74.0	-22.79	Peak	342.00	150	Horizontal	Pass
6**	16313.437	43.75	1.96	54.0	-10.25	AV	70.00	150	Horizontal	Pass
6	16313.437	55.51	1.96	74.0	-18.49	Peak	70.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11g Middle Channel

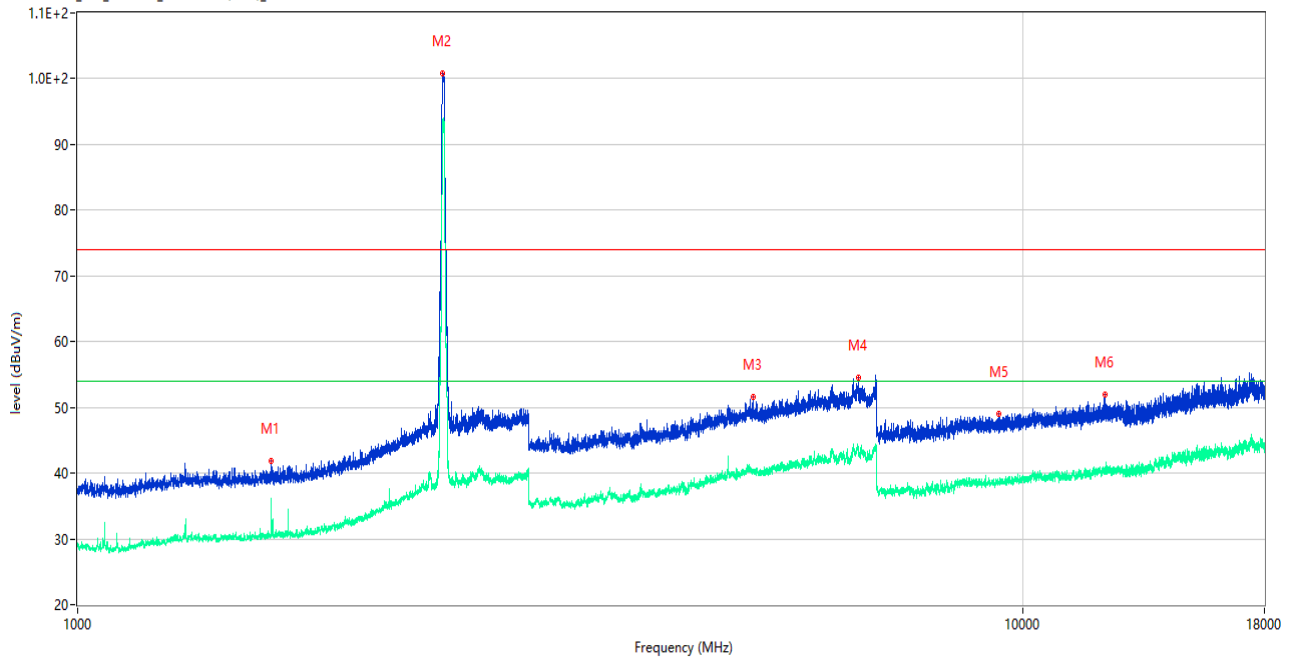
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1602.000	33.32	-17.32	54.0	-20.68	AV	323.00	150	Vertical	Pass
1	1602.000	42.06	-17.32	74.0	-31.94	Peak	323.00	150	Vertical	Pass
2**	2431.500	80.83	-12.73	54.0	26.83	AV	60.00	150	Vertical	N/A
2	2431.500	88.36	-12.73	74.0	14.36	Peak	60.00	150	Vertical	N/A
3**	3738.000	37.08	-6.89	54.0	-16.92	AV	18.00	150	Vertical	Pass
3	3738.000	47.18	-6.89	74.0	-26.82	Peak	18.00	150	Vertical	Pass
4**	5236.000	40.24	-2.85	54.0	-13.76	AV	293.00	150	Vertical	Pass
4	5236.000	51.77	-2.85	74.0	-22.23	Peak	293.00	150	Vertical	Pass
5**	11493.625	39.80	0.30	54.0	-14.20	AV	222.00	150	Vertical	Pass
5	11493.625	51.24	0.30	74.0	-22.76	Peak	222.00	150	Vertical	Pass
6**	16852.875	43.76	1.98	54.0	-10.24	AV	228.00	150	Vertical	Pass
6	16852.875	55.39	1.98	74.0	-18.61	Peak	228.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11g Middle Channel

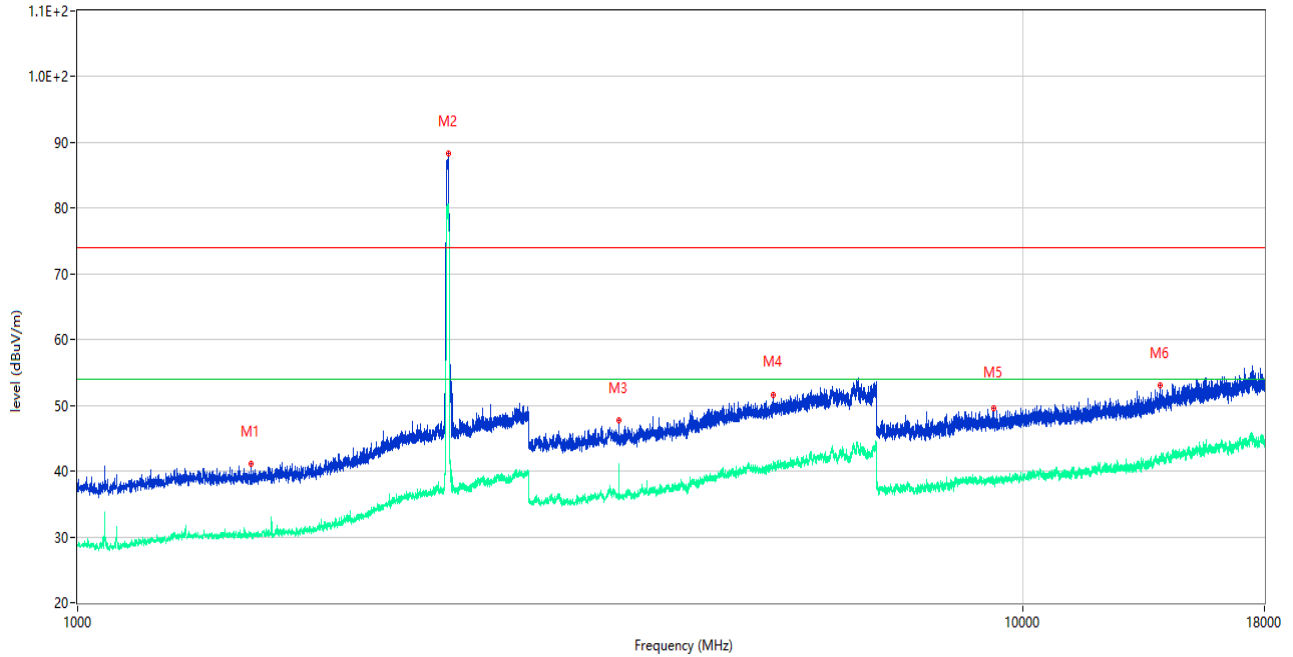
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1602.000	33.79	-17.32	54.0	-20.21	AV	202.00	150	Horizontal	Pass
1	1602.000	41.77	-17.32	74.0	-32.23	Peak	202.00	150	Horizontal	Pass
2**	2433.500	93.33	-12.78	54.0	39.33	AV	257.00	150	Horizontal	N/A
2	2433.500	100.86	-12.78	74.0	26.86	Peak	257.00	150	Horizontal	N/A
3**	5178.000	40.25	-2.87	54.0	-13.75	AV	7.00	150	Horizontal	Pass
3	5178.000	51.54	-2.87	74.0	-22.46	Peak	7.00	150	Horizontal	Pass
4**	6692.000	43.58	-0.10	54.0	-10.42	AV	190.00	150	Horizontal	Pass
4	6692.000	54.46	-0.10	74.0	-19.54	Peak	190.00	150	Horizontal	Pass
5**	9426.500	38.45	-0.46	54.0	-15.55	AV	41.00	150	Horizontal	Pass
5	9426.500	48.95	-0.46	74.0	-25.05	Peak	41.00	150	Horizontal	Pass
6**	12219.563	40.67	1.64	54.0	-13.33	AV	107.00	150	Horizontal	Pass
6	12219.563	51.93	1.64	74.0	-22.07	Peak	107.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11g High Channel

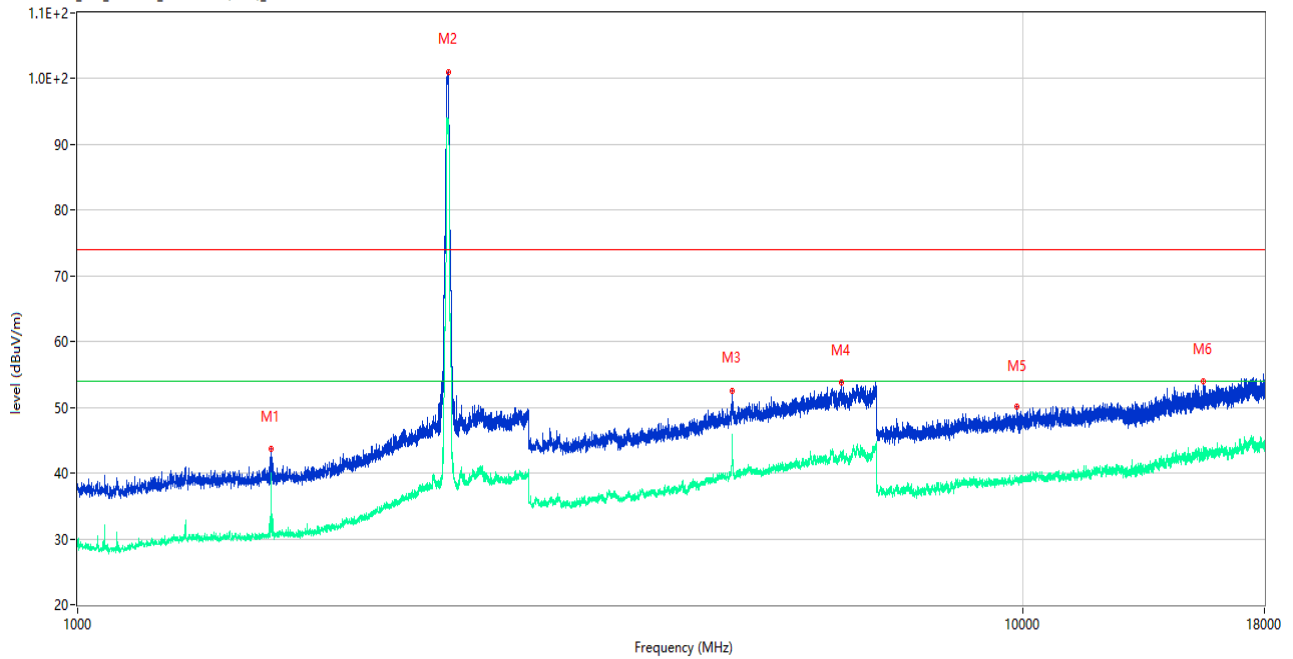
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1526.500	30.09	-17.49	54.0	-23.91	AV	0.00	150	Vertical	Pass
1	1526.500	41.10	-17.49	74.0	-32.90	Peak	0.00	150	Vertical	Pass
2**	2466.000	80.07	-12.71	54.0	26.07	AV	37.00	150	Vertical	N/A
2	2466.000	88.26	-12.71	74.0	14.26	Peak	37.00	150	Vertical	N/A
3**	3738.000	36.88	-6.89	54.0	-17.12	AV	352.00	150	Vertical	Pass
3	3738.000	47.74	-6.89	74.0	-26.26	Peak	352.00	150	Vertical	Pass
4**	5436.000	41.04	-2.30	54.0	-12.96	AV	0.00	150	Vertical	Pass
4	5436.000	51.52	-2.30	74.0	-22.48	Peak	0.00	150	Vertical	Pass
5**	9318.688	38.85	-0.73	54.0	-15.15	AV	87.00	150	Vertical	Pass
5	9318.688	49.62	-0.73	74.0	-24.38	Peak	87.00	150	Vertical	Pass
6**	13981.125	41.59	2.61	54.0	-12.41	AV	136.00	150	Vertical	Pass
6	13981.125	53.08	2.61	74.0	-20.92	Peak	136.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11g High Channel

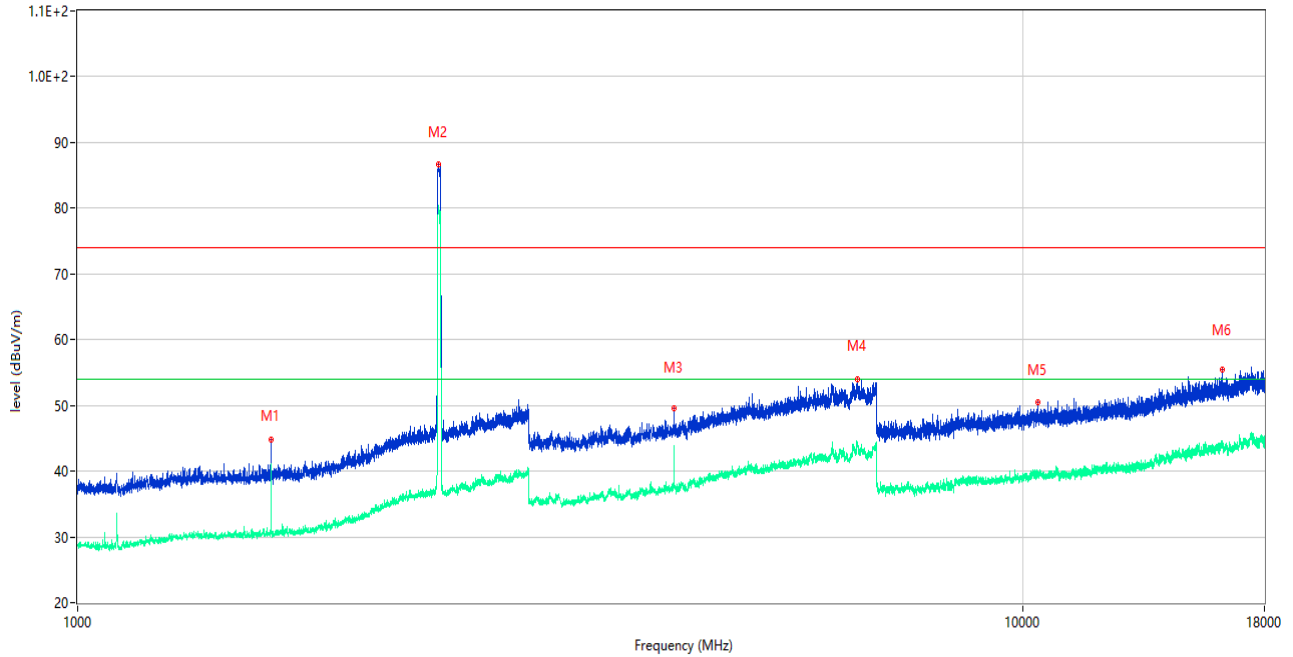
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1602.000	36.63	-17.32	54.0	-17.37	AV	239.00	150	Horizontal	Pass
1	1602.000	43.68	-17.32	74.0	-30.32	Peak	239.00	150	Horizontal	Pass
2**	2466.500	93.31	-12.67	54.0	39.31	AV	282.00	150	Horizontal	N/A
2	2466.500	101.06	-12.67	74.0	27.06	Peak	282.00	150	Horizontal	N/A
3**	4923.000	42.77	-2.56	54.0	-11.23	AV	318.00	150	Horizontal	Pass
3	4923.000	52.51	-2.56	74.0	-21.49	Peak	318.00	150	Horizontal	Pass
4**	6421.000	43.06	-0.19	54.0	-10.94	AV	318.00	150	Horizontal	Pass
4	6421.000	53.75	-0.19	74.0	-20.25	Peak	318.00	150	Horizontal	Pass
5**	9839.062	38.97	-0.14	54.0	-15.03	AV	186.00	150	Horizontal	Pass
5	9839.062	50.08	-0.14	74.0	-23.92	Peak	186.00	150	Horizontal	Pass
6**	15527.250	43.35	2.30	54.0	-10.65	AV	115.00	150	Horizontal	Pass
6	15527.250	53.99	2.30	74.0	-20.01	Peak	115.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n20 Low Channel

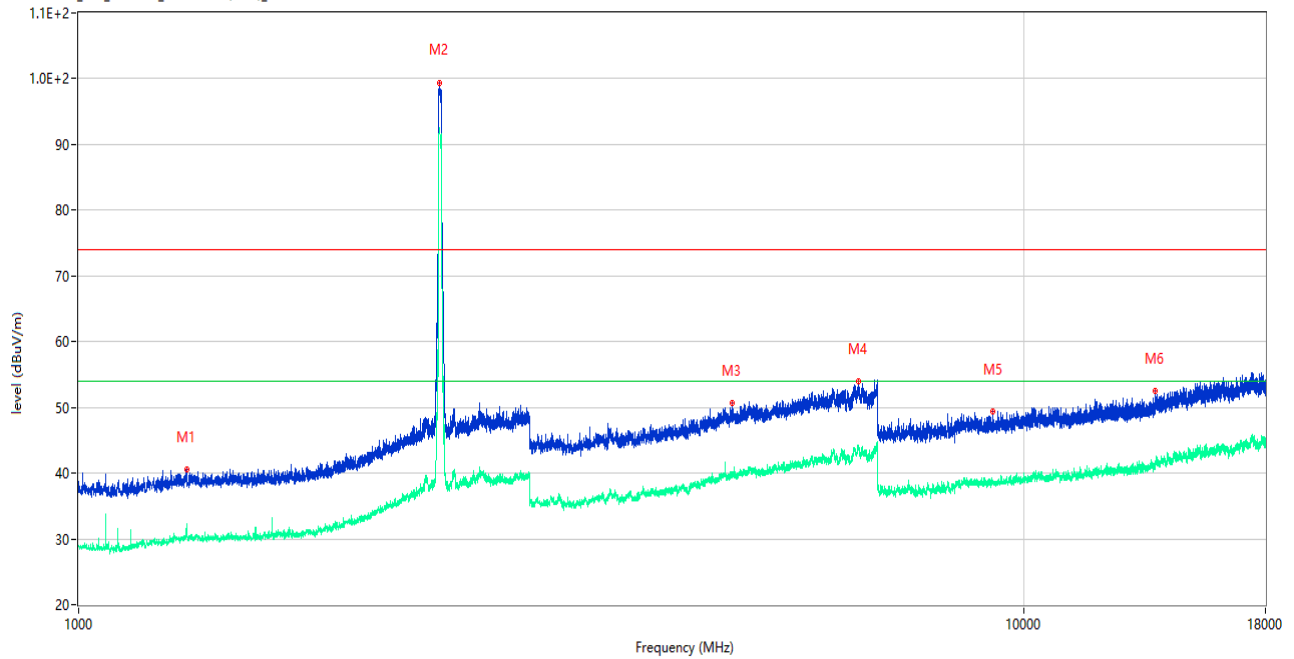
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1602.000	38.71	-17.32	54.0	-15.29	AV	24.00	150	Vertical	Pass
1	1602.000	44.75	-17.32	74.0	-29.25	Peak	24.00	150	Vertical	Pass
2**	2410.000	79.41	-12.26	54.0	25.41	AV	228.00	150	Vertical	N/A
2	2410.000	86.68	-12.26	74.0	12.68	Peak	228.00	150	Vertical	N/A
3**	4272.000	39.40	-4.56	54.0	-14.60	AV	146.00	150	Vertical	Pass
3	4272.000	49.50	-4.56	74.0	-24.50	Peak	146.00	150	Vertical	Pass
4**	6682.000	44.22	0.18	54.0	-9.78	AV	360.00	150	Vertical	Pass
4	6682.000	53.94	0.18	74.0	-20.06	Peak	360.00	150	Vertical	Pass
5**	10356.563	39.37	0.66	54.0	-14.63	AV	0.00	150	Vertical	Pass
5	10356.563	50.50	0.66	74.0	-23.50	Peak	0.00	150	Vertical	Pass
6**	16236.000	43.77	2.27	54.0	-10.23	AV	166.00	150	Vertical	Pass
6	16236.000	55.53	2.27	74.0	-18.47	Peak	166.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n20 Low Channel

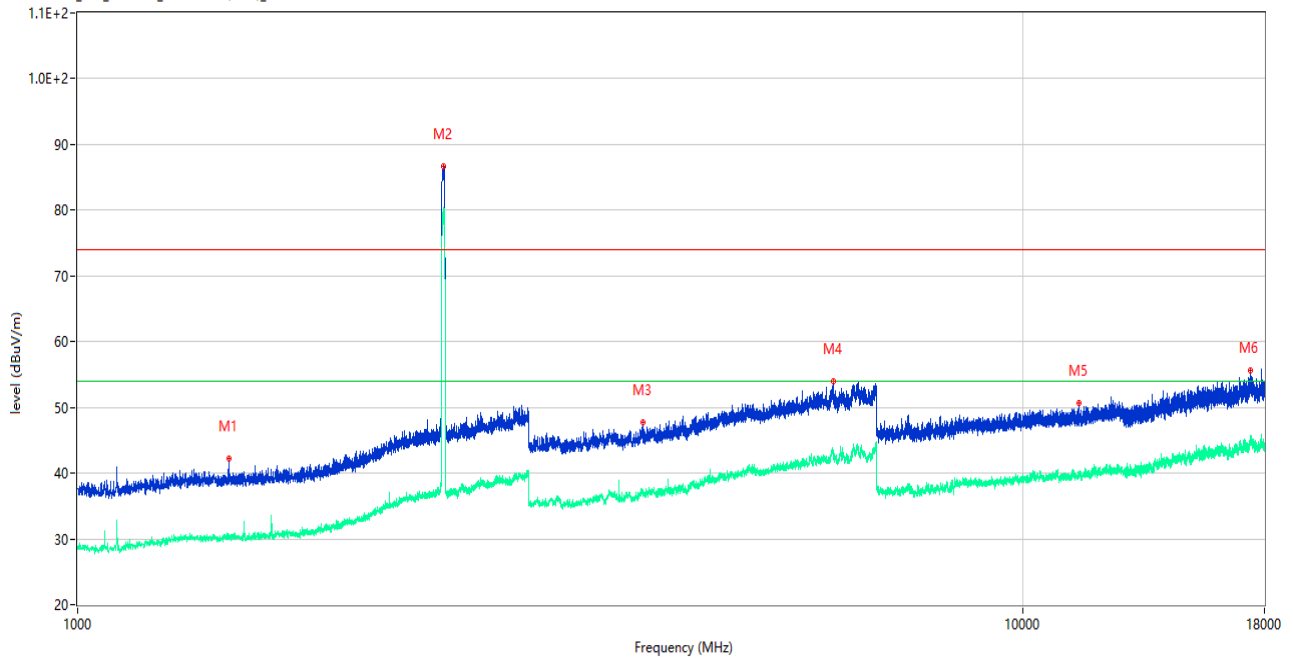
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1300.500	32.23	-17.03	54.0	-21.77	AV	0.00	150	Horizontal	Pass
1	1300.500	40.51	-17.03	74.0	-33.49	Peak	0.00	150	Horizontal	Pass
2**	2408.000	92.10	-11.85	54.0	38.10	AV	249.00	150	Horizontal	N/A
2	2408.000	99.44	-11.85	74.0	25.44	Peak	249.00	150	Horizontal	N/A
3**	4906.000	39.56	-2.54	54.0	-14.44	AV	289.00	150	Horizontal	Pass
3	4906.000	50.65	-2.54	74.0	-23.35	Peak	289.00	150	Horizontal	Pass
4**	6689.000	43.91	-0.03	54.0	-10.09	AV	170.00	150	Horizontal	Pass
4	6689.000	53.90	-0.03	74.0	-20.10	Peak	170.00	150	Horizontal	Pass
5**	9265.500	38.49	-1.03	54.0	-15.51	AV	235.00	150	Horizontal	Pass
5	9265.500	49.46	-1.03	74.0	-24.54	Peak	235.00	150	Horizontal	Pass
6**	13767.187	40.82	2.16	54.0	-13.18	AV	360.00	150	Horizontal	Pass
6	13767.187	52.46	2.16	74.0	-21.54	Peak	360.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n20 Middle Channel

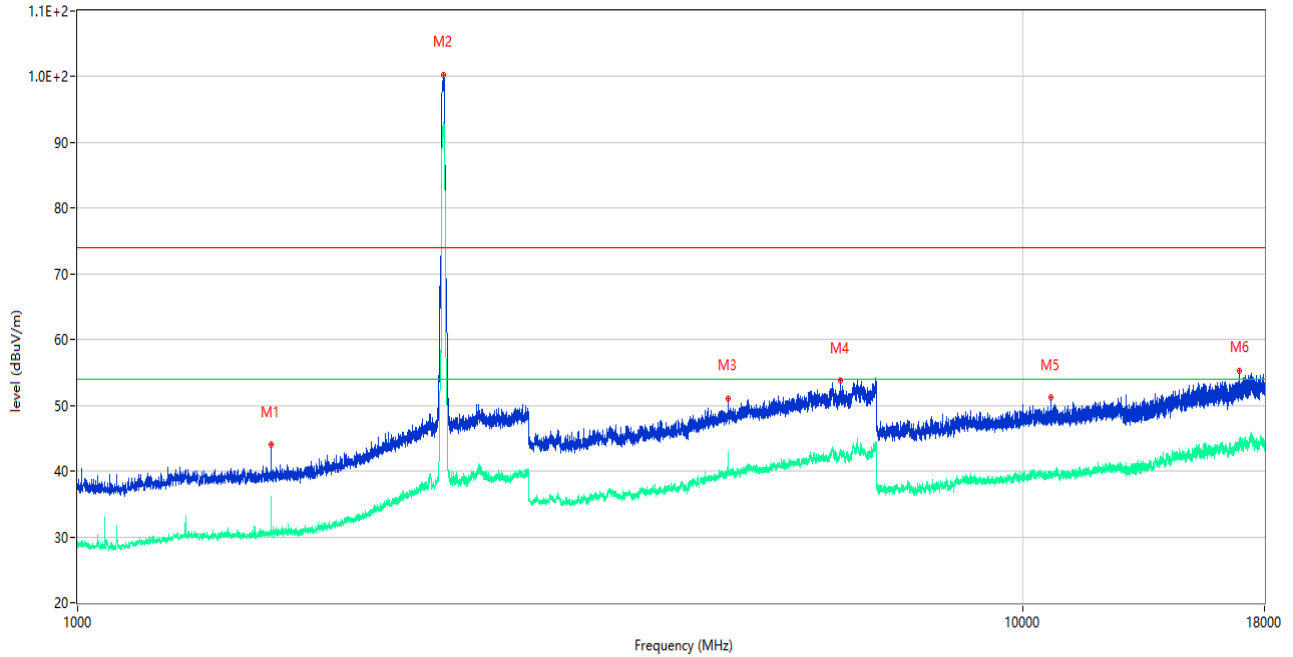
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1444.000	30.37	-17.26	54.0	-23.63	AV	333.00	150	Vertical	Pass
1	1444.000	42.18	-17.26	74.0	-31.82	Peak	333.00	150	Vertical	Pass
2**	2435.500	79.22	-12.67	54.0	25.22	AV	169.00	150	Vertical	N/A
2	2435.500	86.67	-12.67	74.0	12.67	Peak	169.00	150	Vertical	N/A
3**	3961.000	37.32	-4.85	54.0	-16.68	AV	360.00	150	Vertical	Pass
3	3961.000	47.67	-4.85	74.0	-26.33	Peak	360.00	150	Vertical	Pass
4**	6298.000	42.85	-0.23	54.0	-11.15	AV	340.00	150	Vertical	Pass
4	6298.000	53.91	-0.23	74.0	-20.09	Peak	340.00	150	Vertical	Pass
5**	11460.563	39.77	0.20	54.0	-14.23	AV	54.00	150	Vertical	Pass
5	11460.563	50.59	0.20	74.0	-23.41	Peak	54.00	150	Vertical	Pass
6**	17405.438	44.75	4.44	54.0	-9.25	AV	110.00	150	Vertical	Pass
6	17405.438	55.68	4.44	74.0	-18.32	Peak	110.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n20 Middle Channel

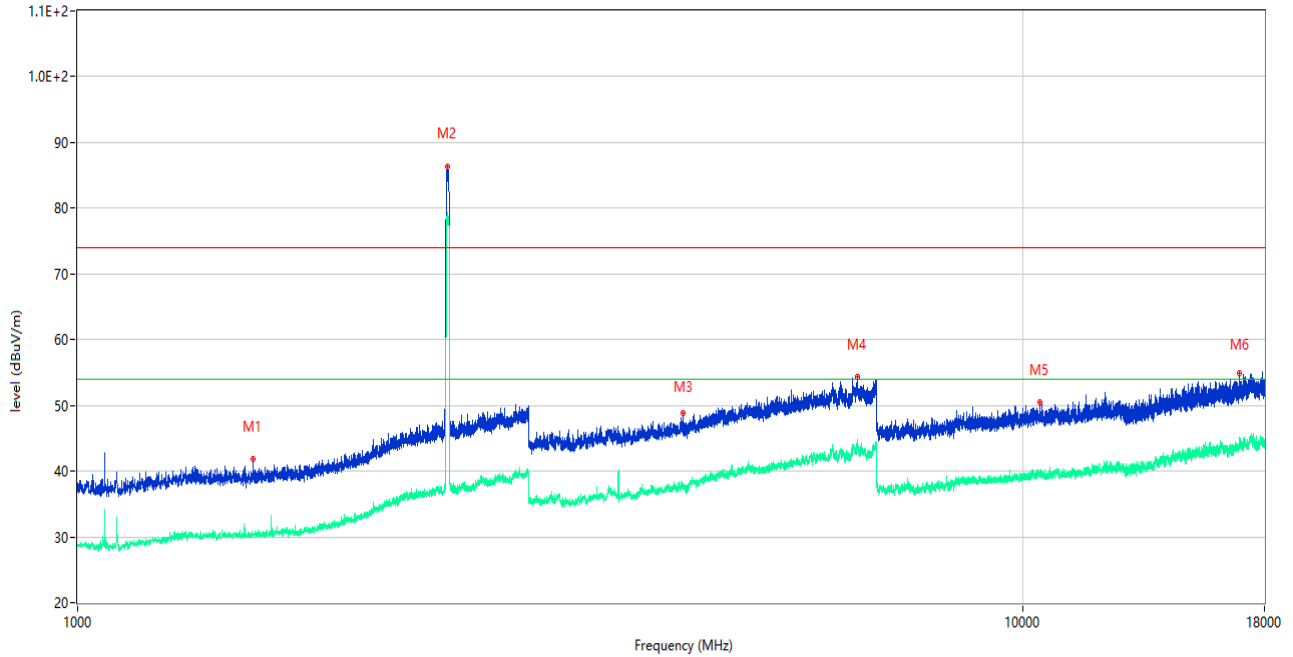
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1602.000	30.85	-17.32	54.0	-23.15	AV	41.00	150	Horizontal	Pass
1	1602.000	44.07	-17.32	74.0	-29.93	Peak	41.00	150	Horizontal	Pass
2**	2435.000	92.55	-12.70	54.0	38.55	AV	268.00	150	Horizontal	N/A
2	2435.000	100.35	-12.70	74.0	26.35	Peak	268.00	150	Horizontal	N/A
3**	4874.000	40.09	-3.32	54.0	-13.91	AV	312.00	150	Horizontal	Pass
3	4874.000	50.95	-3.32	74.0	-23.05	Peak	312.00	150	Horizontal	Pass
4**	6406.000	42.58	-0.49	54.0	-11.42	AV	340.00	150	Horizontal	Pass
4	6406.000	53.76	-0.49	74.0	-20.24	Peak	340.00	150	Horizontal	Pass
5**	10698.687	39.92	-0.29	54.0	-14.08	AV	181.00	150	Horizontal	Pass
5	10698.687	51.16	-0.29	74.0	-22.84	Peak	181.00	150	Horizontal	Pass
6**	16940.812	44.89	2.88	54.0	-9.11	AV	64.00	150	Horizontal	Pass
6	16940.812	55.29	2.88	74.0	-18.71	Peak	64.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n20 High Channel

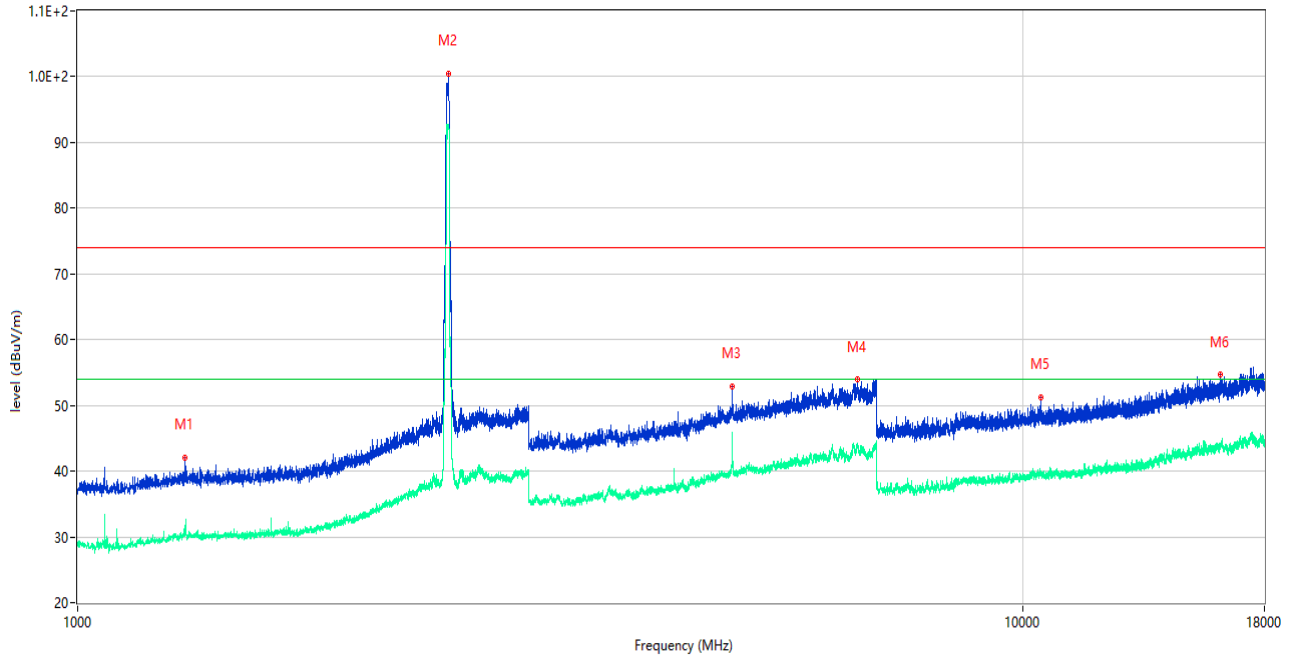
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1532.500	30.23	-17.31	54.0	-23.77	AV	128.00	150	Vertical	Pass
1	1532.500	41.87	-17.31	74.0	-32.13	Peak	128.00	150	Vertical	Pass
2**	2463.500	78.99	-12.59	54.0	24.99	AV	36.00	150	Vertical	N/A
2	2463.500	86.36	-12.59	74.0	12.36	Peak	36.00	150	Vertical	N/A
3**	4373.000	37.92	-4.62	54.0	-16.08	AV	88.00	150	Vertical	Pass
3	4373.000	48.79	-4.62	74.0	-25.21	Peak	88.00	150	Vertical	Pass
4**	6676.000	43.98	0.41	54.0	-10.02	AV	60.00	150	Vertical	Pass
4	6676.000	54.33	0.41	74.0	-19.67	Peak	60.00	150	Vertical	Pass
5**	10419.812	40.22	0.65	54.0	-13.78	AV	2.00	150	Vertical	Pass
5	10419.812	50.43	0.65	74.0	-23.57	Peak	2.00	150	Vertical	Pass
6**	16950.000	44.51	2.84	54.0	-9.49	AV	68.00	150	Vertical	Pass
6	16950.000	54.83	2.84	74.0	-19.17	Peak	68.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n20 High Channel

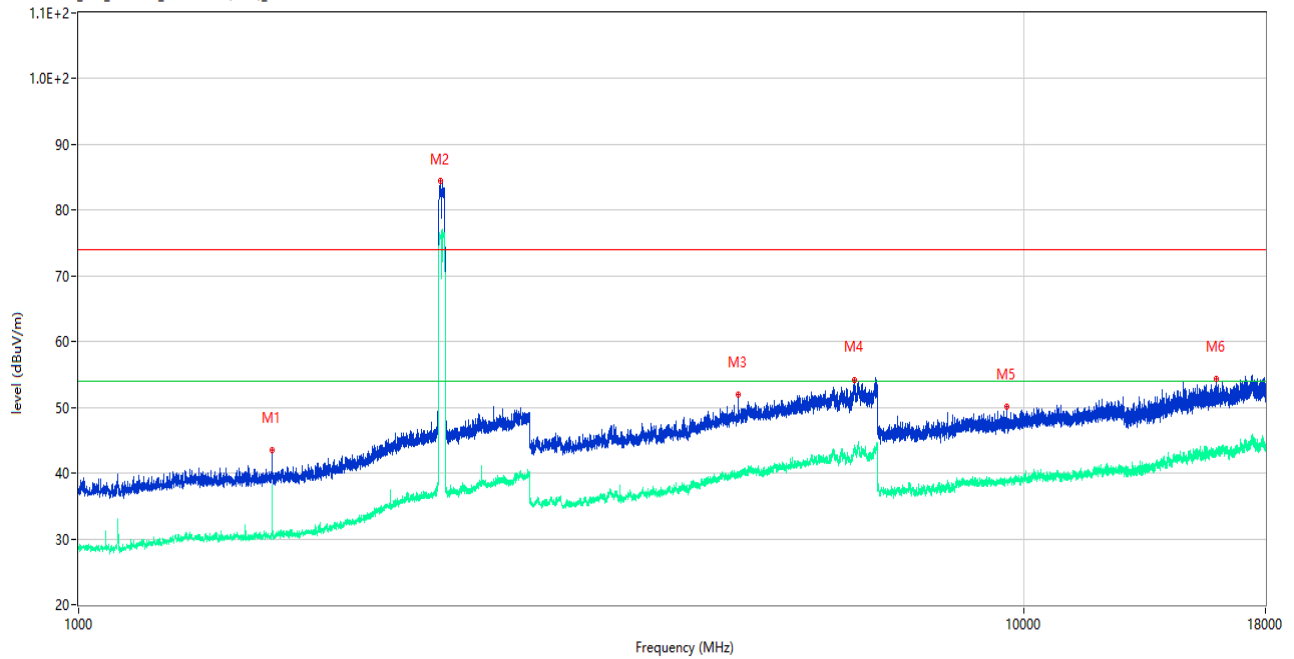
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1300.000	31.01	-17.02	54.0	-22.99	AV	296.00	150	Horizontal	Pass
1	1300.000	42.13	-17.02	74.0	-31.87	Peak	296.00	150	Horizontal	Pass
2**	2465.500	92.20	-12.74	54.0	38.20	AV	264.00	150	Horizontal	N/A
2	2465.500	100.53	-12.74	74.0	26.53	Peak	264.00	150	Horizontal	N/A
3**	4924.000	42.73	-2.55	54.0	-11.27	AV	285.00	150	Horizontal	Pass
3	4924.000	52.80	-2.55	74.0	-21.20	Peak	285.00	150	Horizontal	Pass
4**	6688.000	43.93	-0.00	54.0	-10.07	AV	285.00	150	Horizontal	Pass
4	6688.000	53.98	-0.00	74.0	-20.02	Peak	285.00	150	Horizontal	Pass
5**	10454.313	39.38	-0.23	54.0	-14.62	AV	50.00	150	Horizontal	Pass
5	10454.313	51.27	-0.23	74.0	-22.73	Peak	50.00	150	Horizontal	Pass
6**	16184.813	43.59	2.63	54.0	-10.41	AV	360.00	150	Horizontal	Pass
6	16184.813	54.69	2.63	74.0	-19.31	Peak	360.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n40 Low Channel

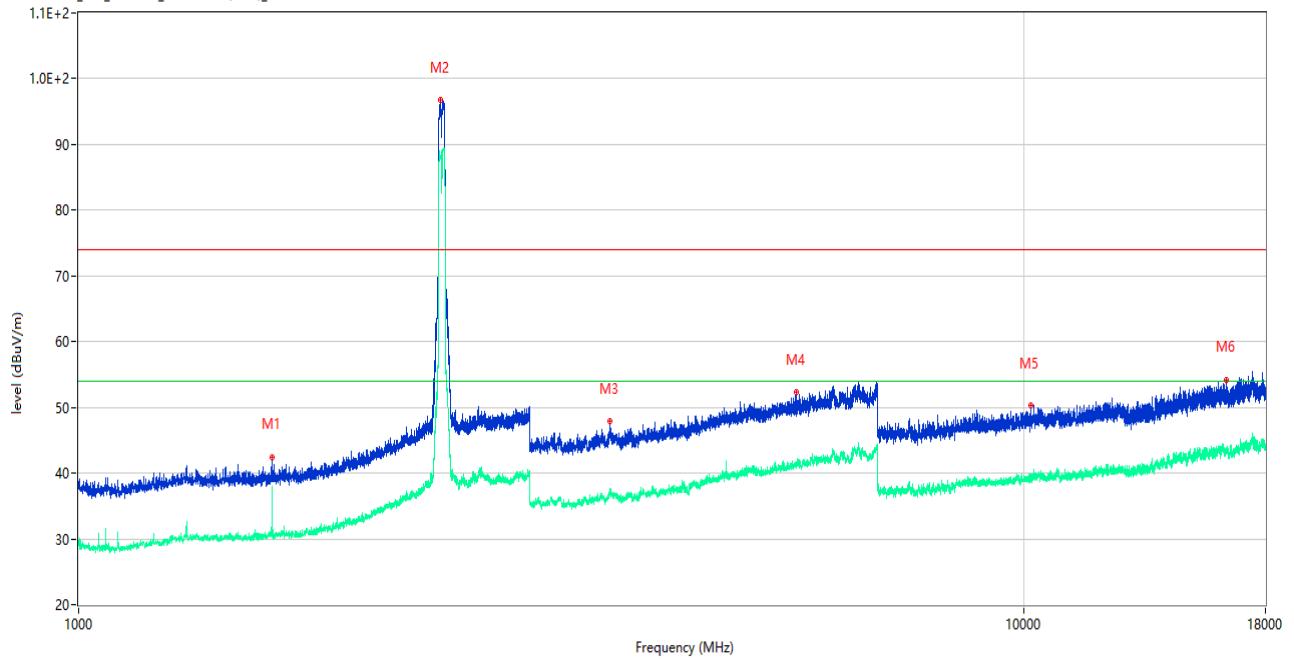
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1602.000	35.47	-17.32	54.0	-18.53	AV	352.00	150	Vertical	Pass
1	1602.000	43.55	-17.32	74.0	-30.45	Peak	352.00	150	Vertical	Pass
2**	2412.000	76.14	-12.26	54.0	22.14	AV	46.00	150	Vertical	N/A
2	2412.000	84.53	-12.26	74.0	10.53	Peak	46.00	150	Vertical	N/A
3**	4989.000	39.66	-2.78	54.0	-14.34	AV	360.00	150	Vertical	Pass
3	4989.000	51.88	-2.78	74.0	-22.12	Peak	360.00	150	Vertical	Pass
4**	6610.000	43.97	0.47	54.0	-10.03	AV	130.00	150	Vertical	Pass
4	6610.000	54.20	0.47	74.0	-19.80	Peak	130.00	150	Vertical	Pass
5**	9580.313	39.18	-0.17	54.0	-14.82	AV	62.00	150	Vertical	Pass
5	9580.313	50.14	-0.17	74.0	-23.86	Peak	62.00	150	Vertical	Pass
6**	15984.000	43.00	1.33	54.0	-11.00	AV	256.00	150	Vertical	Pass
6	15984.000	54.44	1.33	74.0	-19.56	Peak	256.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n40 Low Channel

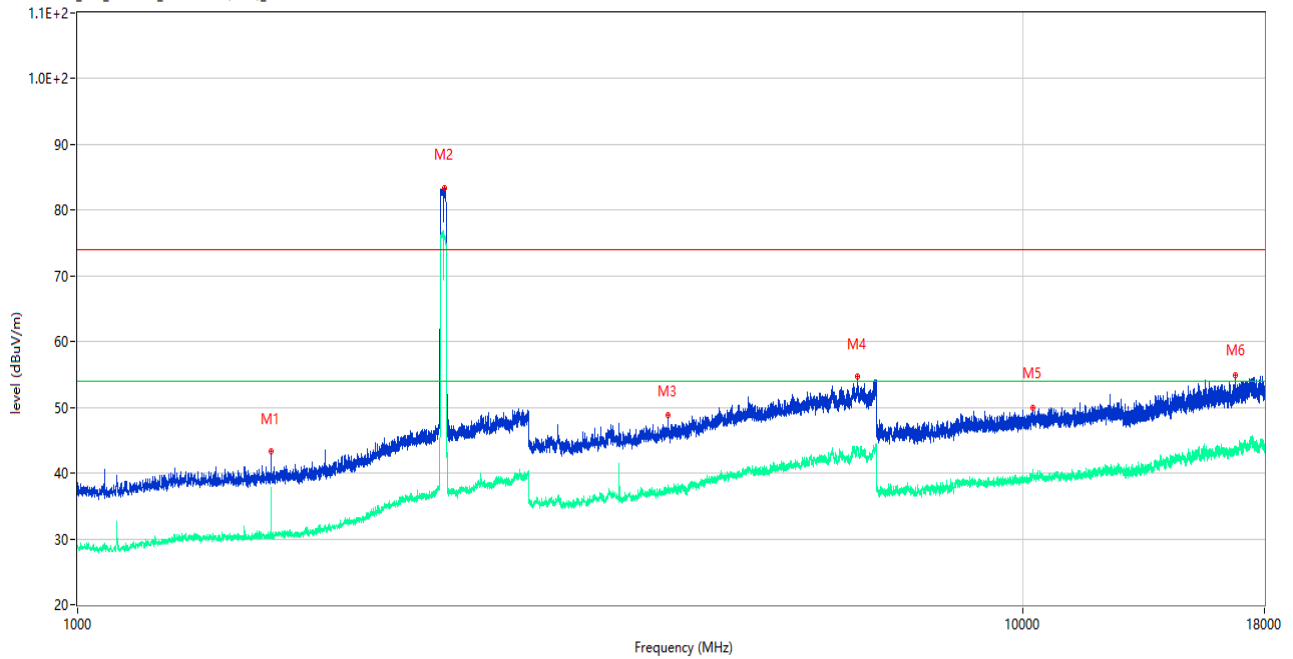
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1601.500	30.27	-17.30	54.0	-23.73	AV	169.00	150	Horizontal	Pass
1	1601.500	42.49	-17.30	74.0	-31.51	Peak	169.00	150	Horizontal	Pass
2**	2412.000	88.36	-12.26	54.0	34.36	AV	254.00	150	Horizontal	N/A
2	2412.000	96.75	-12.26	74.0	22.75	Peak	254.00	150	Horizontal	N/A
3**	3646.000	37.39	-6.22	54.0	-16.61	AV	135.00	150	Horizontal	Pass
3	3646.000	47.91	-6.22	74.0	-26.09	Peak	135.00	150	Horizontal	Pass
4**	5739.000	41.21	-2.17	54.0	-12.79	AV	24.00	150	Horizontal	Pass
4	5739.000	52.30	-2.17	74.0	-21.70	Peak	24.00	150	Horizontal	Pass
5**	10171.125	39.05	0.14	54.0	-14.95	AV	0.00	150	Horizontal	Pass
5	10171.125	50.33	0.14	74.0	-23.67	Peak	0.00	150	Horizontal	Pass
6**	16348.875	43.48	2.14	54.0	-10.52	AV	120.00	150	Horizontal	Pass
6	16348.875	54.15	2.14	74.0	-19.85	Peak	120.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n40 Middle Channel

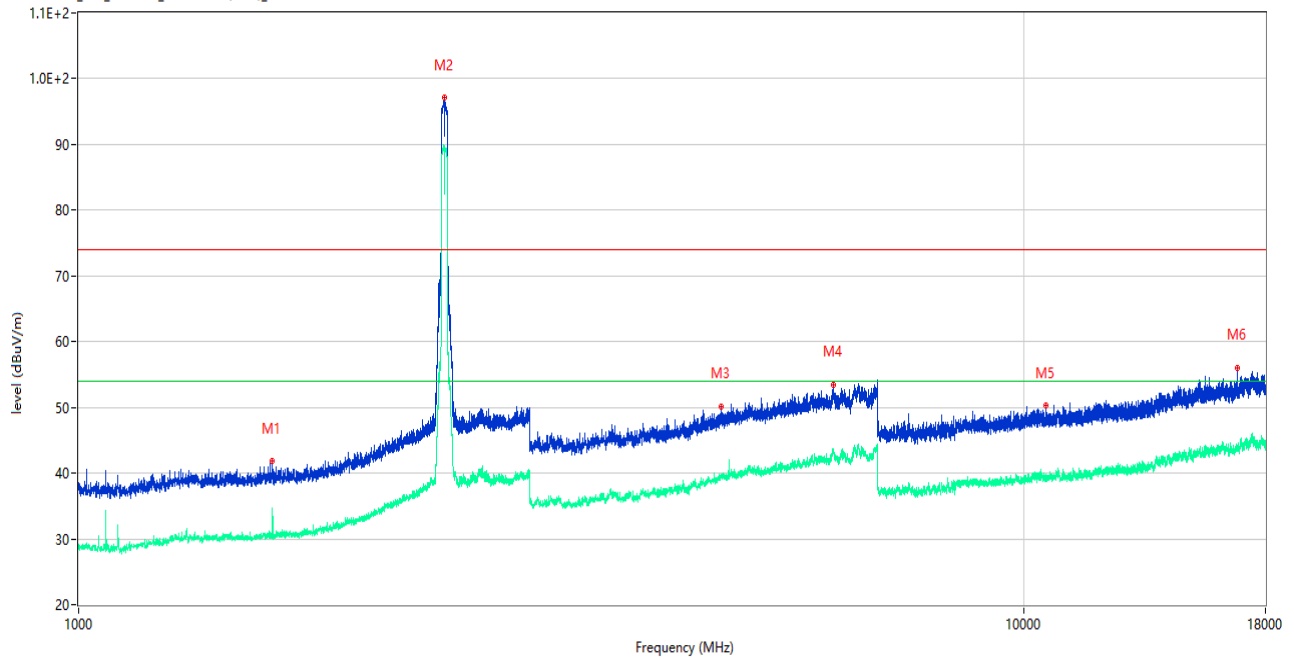
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1601.500	30.46	-17.30	54.0	-23.54	AV	0.00	150	Vertical	Pass
1	1601.500	43.36	-17.30	74.0	-30.64	Peak	0.00	150	Vertical	Pass
2**	2442.000	75.44	-12.66	54.0	21.44	AV	182.00	150	Vertical	N/A
2	2442.000	83.42	-12.66	74.0	9.42	Peak	182.00	150	Vertical	N/A
3**	4209.000	38.12	-5.09	54.0	-15.88	AV	254.00	150	Vertical	Pass
3	4209.000	48.91	-5.09	74.0	-25.09	Peak	254.00	150	Vertical	Pass
4**	6674.000	43.66	0.18	54.0	-10.34	AV	309.00	150	Vertical	Pass
4	6674.000	54.73	0.18	74.0	-19.27	Peak	309.00	150	Vertical	Pass
5**	10250.188	39.51	1.18	54.0	-14.49	AV	67.00	150	Vertical	Pass
5	10250.188	49.98	1.18	74.0	-24.02	Peak	67.00	150	Vertical	Pass
6**	16779.375	43.32	1.95	54.0	-10.68	AV	87.00	150	Vertical	Pass
6	16779.375	54.95	1.95	74.0	-19.05	Peak	87.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n40 Middle Channel

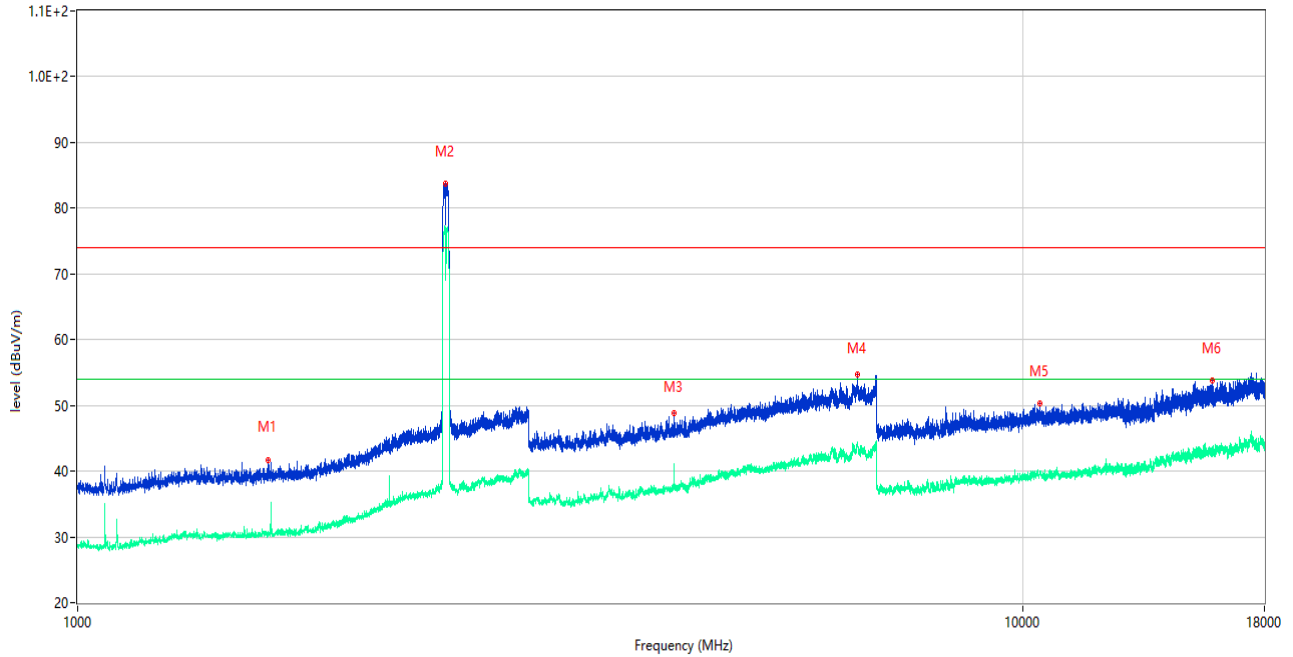
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1602.000	31.06	-17.32	54.0	-22.94	AV	64.00	150	Horizontal	Pass
1	1602.000	41.83	-17.32	74.0	-32.17	Peak	64.00	150	Horizontal	Pass
2**	2438.500	89.39	-12.50	54.0	35.39	AV	266.00	150	Horizontal	N/A
2	2438.500	97.07	-12.50	74.0	23.07	Peak	266.00	150	Horizontal	N/A
3**	4785.000	39.54	-2.78	54.0	-14.46	AV	319.00	150	Horizontal	Pass
3	4785.000	50.11	-2.78	74.0	-23.89	Peak	319.00	150	Horizontal	Pass
4**	6280.000	43.64	0.05	54.0	-10.36	AV	0.00	150	Horizontal	Pass
4	6280.000	53.52	0.05	74.0	-20.48	Peak	0.00	150	Horizontal	Pass
5**	10554.937	38.89	-0.20	54.0	-15.11	AV	42.00	150	Horizontal	Pass
5	10554.937	50.24	-0.20	74.0	-23.76	Peak	42.00	150	Horizontal	Pass
6**	16793.813	43.54	1.88	54.0	-10.46	AV	191.00	150	Horizontal	Pass
6	16793.813	56.09	1.88	74.0	-17.91	Peak	191.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n40 High Channel

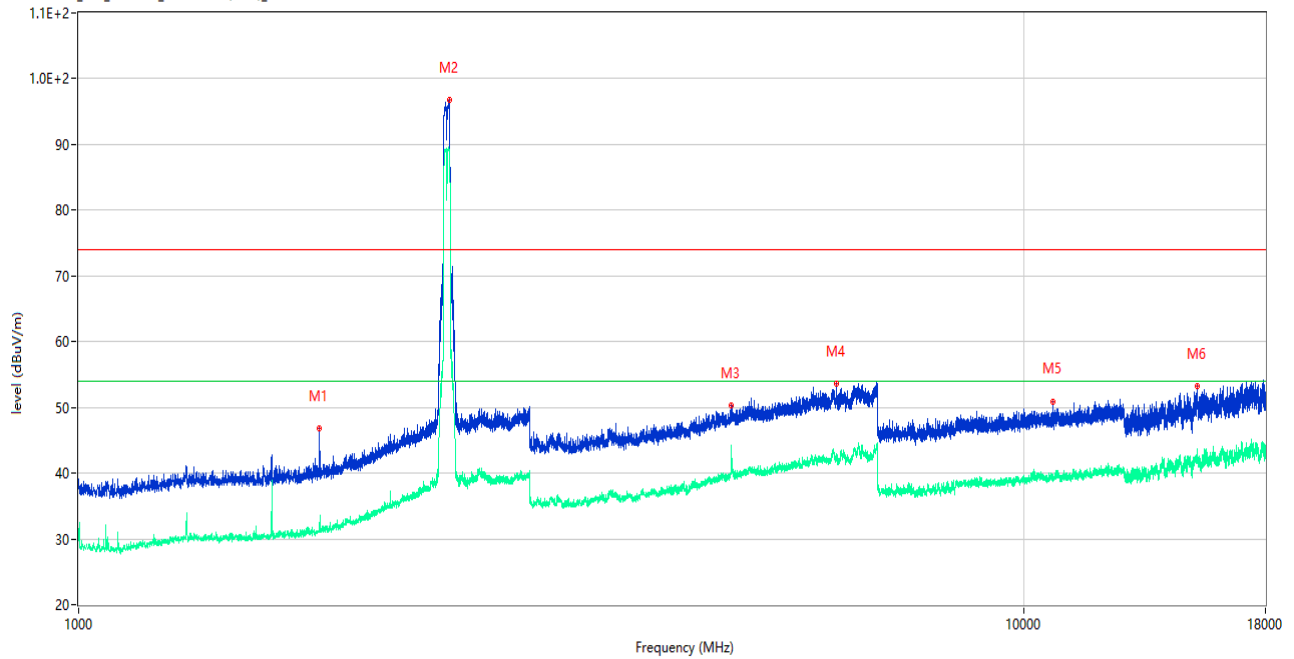
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1589.000	30.17	-17.32	54.0	-23.83	AV	290.00	150	Vertical	Pass
1	1589.000	41.74	-17.32	74.0	-32.26	Peak	290.00	150	Vertical	Pass
2**	2447.000	76.71	-12.78	54.0	22.71	AV	59.00	150	Vertical	N/A
2	2447.000	83.70	-12.78	74.0	9.70	Peak	59.00	150	Vertical	N/A
3**	4272.000	39.09	-4.56	54.0	-14.91	AV	326.00	150	Vertical	Pass
3	4272.000	48.90	-4.56	74.0	-25.10	Peak	326.00	150	Vertical	Pass
4**	6677.000	44.04	0.46	54.0	-9.96	AV	24.00	150	Vertical	Pass
4	6677.000	54.74	0.46	74.0	-19.26	Peak	24.00	150	Vertical	Pass
5**	10424.125	40.03	0.61	54.0	-13.97	AV	188.00	150	Vertical	Pass
5	10424.125	50.30	0.61	74.0	-23.70	Peak	188.00	150	Vertical	Pass
6**	15851.437	43.69	1.84	54.0	-10.31	AV	115.00	150	Vertical	Pass
6	15851.437	53.86	1.84	74.0	-20.14	Peak	115.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n40 High Channel

RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz

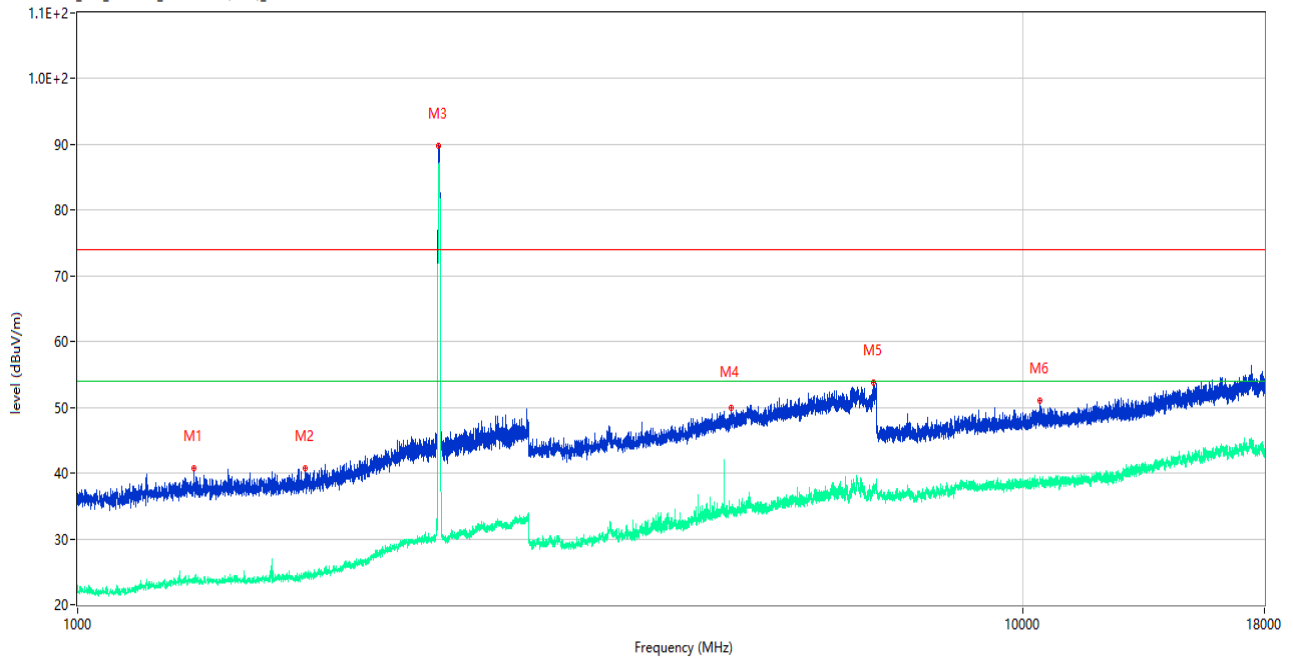


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1798.500	31.51	-16.46	54.0	-22.49	AV	215.00	150	Horizontal	Pass
1	1798.500	46.73	-16.46	74.0	-27.27	Peak	215.00	150	Horizontal	Pass
2**	2467.000	88.94	-12.64	54.0	34.94	AV	284.00	150	Horizontal	N/A
2	2467.000	96.82	-12.64	74.0	22.82	Peak	284.00	150	Horizontal	N/A
3**	4904.000	40.93	-2.55	54.0	-13.07	AV	276.00	150	Horizontal	Pass
3	4904.000	50.23	-2.55	74.0	-23.77	Peak	276.00	150	Horizontal	Pass
4**	6331.000	41.95	-1.11	54.0	-12.05	AV	175.00	150	Horizontal	Pass
4	6331.000	53.66	-1.11	74.0	-20.34	Peak	175.00	150	Horizontal	Pass
5**	10731.750	39.43	-0.28	54.0	-14.57	AV	335.00	150	Horizontal	Pass
5	10731.750	50.85	-0.28	74.0	-23.15	Peak	335.00	150	Horizontal	Pass
6**	15247.688	43.26	1.90	54.0	-10.74	AV	81.00	150	Horizontal	Pass
6	15247.688	53.19	1.90	74.0	-20.81	Peak	81.00	150	Horizontal	Pass

11.5 inch

1 GHz to 18 GHz, ANT V 802.11b Low Channel

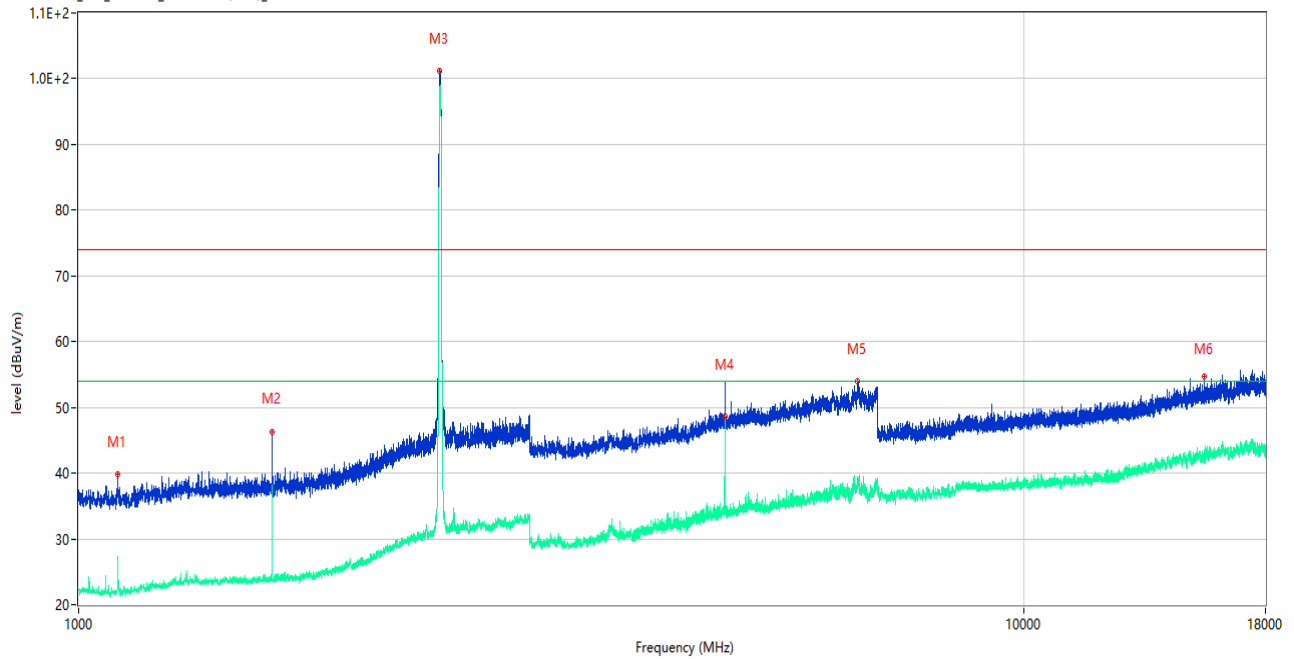
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1328.000	23.32	-17.03	54.0	-30.68	AV	314.00	150	Vertical	Pass
1	1328.000	40.74	-17.03	74.0	-33.26	Peak	314.00	150	Vertical	Pass
2**	1739.000	24.49	-16.73	54.0	-29.51	AV	314.00	150	Vertical	Pass
2	1739.000	40.69	-16.73	74.0	-33.31	Peak	314.00	150	Vertical	Pass
3**	2411.000	87.10	-12.26	54.0	33.10	AV	35.00	150	Vertical	N/A
3	2411.000	89.82	-12.26	74.0	15.82	Peak	35.00	150	Vertical	N/A
4**	4907.000	34.18	-2.56	54.0	-19.82	AV	171.00	150	Vertical	Pass
4	4907.000	49.93	-2.56	74.0	-24.07	Peak	171.00	150	Vertical	Pass
5**	6944.000	37.36	0.62	54.0	-16.64	AV	360.00	150	Vertical	Pass
5	6944.000	53.77	0.62	74.0	-20.23	Peak	360.00	150	Vertical	Pass
6**	10418.375	39.37	0.62	54.0	-14.63	AV	324.00	150	Vertical	Pass
6	10418.375	51.08	0.62	74.0	-22.92	Peak	324.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11b Low Channel

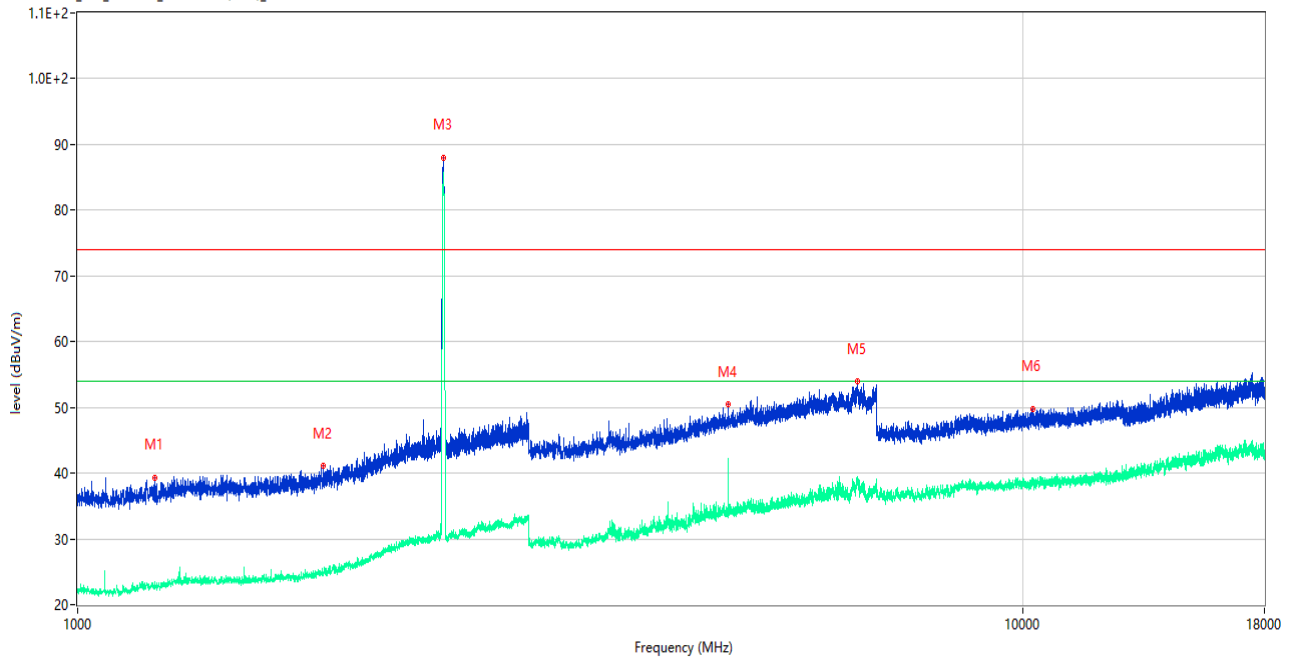
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1100.000	23.90	-18.36	54.0	-30.10	AV	0.00	150	Horizontal	Pass
1	1100.000	39.79	-18.36	74.0	-34.21	Peak	0.00	150	Horizontal	Pass
2**	1602.000	32.58	-17.32	54.0	-21.42	AV	40.00	150	Horizontal	Pass
2	1602.000	46.34	-17.32	74.0	-27.66	Peak	40.00	150	Horizontal	Pass
3**	2411.000	98.64	-12.26	54.0	44.64	AV	73.00	150	Horizontal	N/A
3	2411.000	101.14	-12.26	74.0	27.14	Peak	73.00	150	Horizontal	N/A
4**	4825.000	48.66	-3.23	54.0	-5.34	AV	321.00	150	Horizontal	Pass
4	4825.000	49.38	-3.23	74.0	-24.62	Peak	321.00	150	Horizontal	Pass
5**	6671.000	38.50	0.03	54.0	-15.50	AV	66.00	150	Horizontal	Pass
5	6671.000	53.92	0.03	74.0	-20.08	Peak	66.00	150	Horizontal	Pass
6**	15525.937	43.17	2.39	54.0	-10.83	AV	48.00	150	Horizontal	Pass
6	15525.937	54.65	2.39	74.0	-19.35	Peak	48.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11b Middle Channel

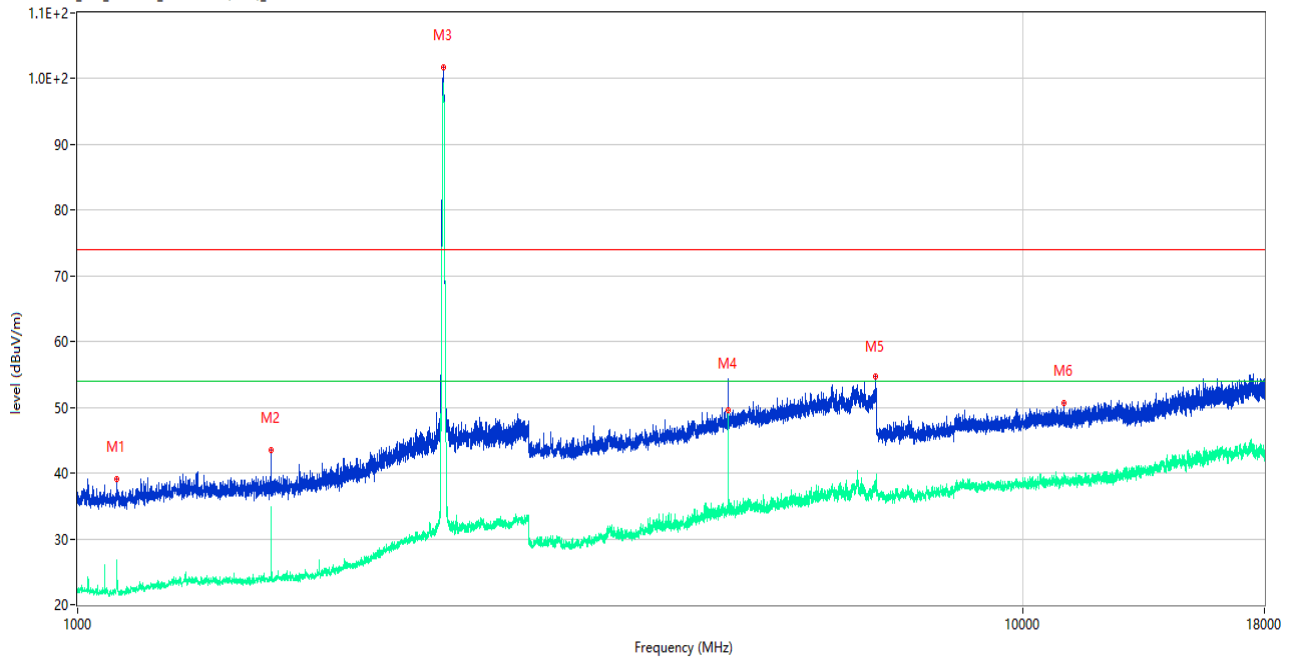
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1205.500	22.45	-17.56	54.0	-31.55	AV	109.00	150	Vertical	Pass
1	1205.500	39.34	-17.56	74.0	-34.66	Peak	109.00	150	Vertical	Pass
2**	1820.500	25.03	-16.53	54.0	-28.97	AV	220.00	150	Vertical	Pass
2	1820.500	41.12	-16.53	74.0	-32.88	Peak	220.00	150	Vertical	Pass
3**	2438.000	85.18	-12.51	54.0	31.18	AV	35.00	150	Vertical	N/A
3	2438.000	88.03	-12.51	74.0	14.03	Peak	35.00	150	Vertical	N/A
4**	4874.000	34.59	-3.32	54.0	-19.41	AV	9.00	150	Vertical	Pass
4	4874.000	50.43	-3.32	74.0	-23.57	Peak	9.00	150	Vertical	Pass
5**	6684.000	38.91	0.17	54.0	-15.09	AV	341.00	150	Vertical	Pass
5	6684.000	53.91	0.17	74.0	-20.09	Peak	341.00	150	Vertical	Pass
6**	10237.250	38.71	1.01	54.0	-15.29	AV	85.00	150	Vertical	Pass
6	10237.250	49.70	1.01	74.0	-24.30	Peak	85.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11b Middle Channel

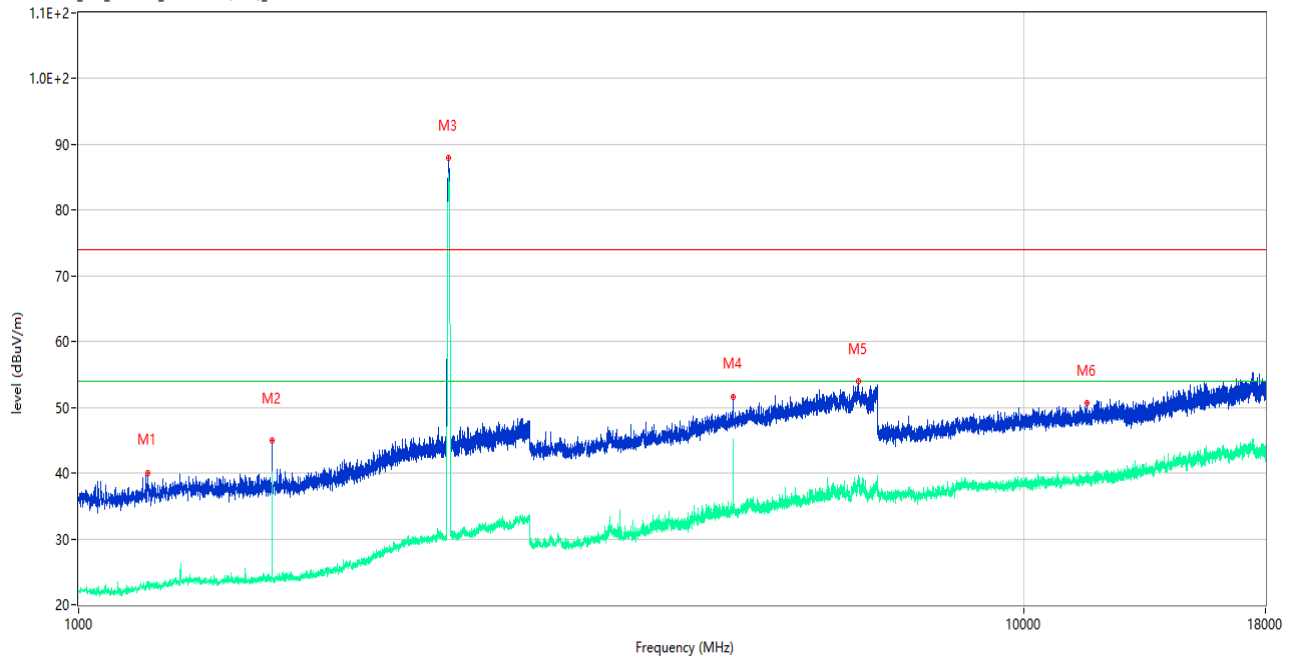
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1100.000	23.23	-18.36	54.0	-30.77	AV	106.00	150	Horizontal	Pass
1	1100.000	39.02	-18.36	74.0	-34.98	Peak	106.00	150	Horizontal	Pass
2**	1602.000	29.86	-17.32	54.0	-24.14	AV	360.00	150	Horizontal	Pass
2	1602.000	43.48	-17.32	74.0	-30.52	Peak	360.00	150	Horizontal	Pass
3**	2438.000	98.70	-12.51	54.0	44.70	AV	95.00	150	Horizontal	N/A
3	2438.000	101.64	-12.51	74.0	27.64	Peak	95.00	150	Horizontal	N/A
4**	4875.000	49.54	-3.18	54.0	-4.46	AV	150.00	150	Horizontal	Pass
4	4875.000	49.46	-3.18	74.0	-24.54	Peak	150.00	150	Horizontal	Pass
5**	6980.000	37.83	1.05	54.0	-16.17	AV	150.00	150	Horizontal	Pass
5	6980.000	54.71	1.05	74.0	-19.29	Peak	150.00	150	Horizontal	Pass
6**	11046.563	38.86	-0.07	54.0	-15.14	AV	111.00	150	Horizontal	Pass
6	11046.563	50.59	-0.07	74.0	-23.41	Peak	111.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11b High Channel

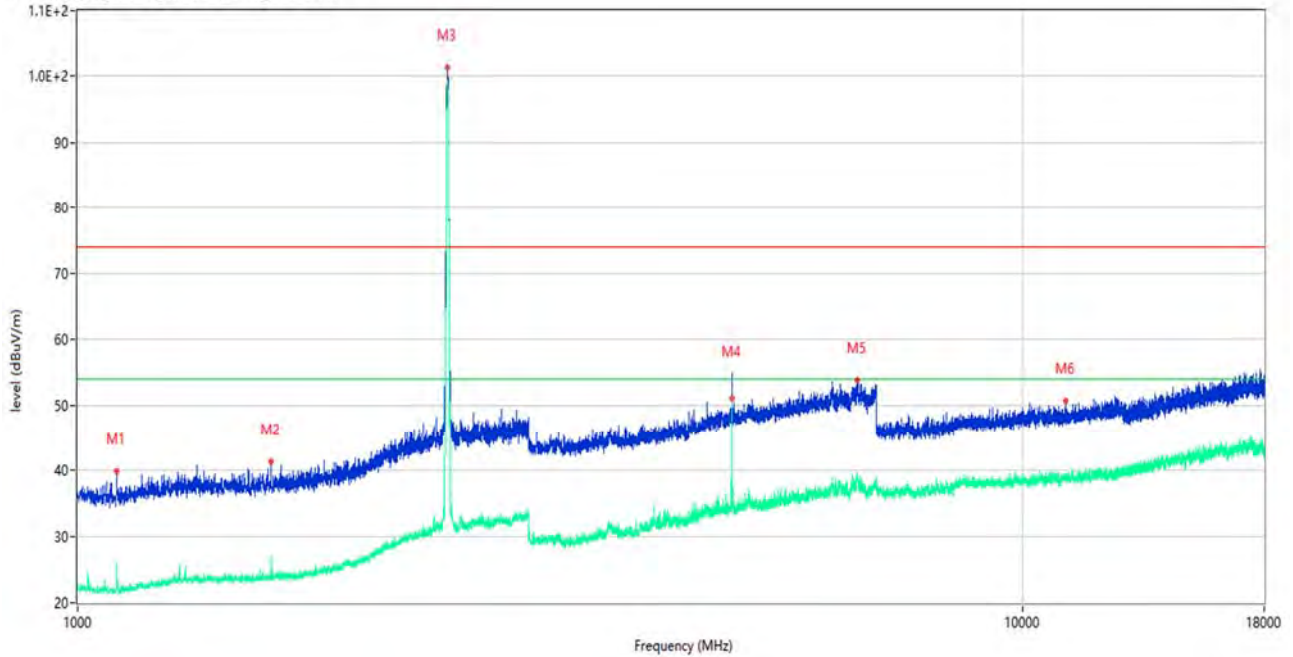
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1183.000	23.28	-17.67	54.0	-30.72	AV	60.00	150	Vertical	Pass
1	1183.000	40.09	-17.67	74.0	-33.91	Peak	60.00	150	Vertical	Pass
2**	1602.000	37.11	-17.32	54.0	-16.89	AV	182.00	150	Vertical	Pass
2	1602.000	44.99	-17.32	74.0	-29.01	Peak	182.00	150	Vertical	Pass
3**	2463.000	85.30	-12.56	54.0	31.30	AV	45.00	150	Vertical	N/A
3	2463.000	87.95	-12.56	74.0	13.95	Peak	45.00	150	Vertical	N/A
4**	4924.000	36.63	-2.55	54.0	-17.37	AV	46.00	150	Vertical	Pass
4	4924.000	51.66	-2.55	74.0	-22.34	Peak	46.00	150	Vertical	Pass
5**	6676.000	38.77	0.41	54.0	-15.23	AV	119.00	150	Vertical	Pass
5	6676.000	53.92	0.41	74.0	-20.08	Peak	119.00	150	Vertical	Pass
6**	11660.375	39.96	0.48	54.0	-14.04	AV	242.00	150	Vertical	Pass
6	11660.375	50.65	0.48	74.0	-23.35	Peak	242.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11b High Channel

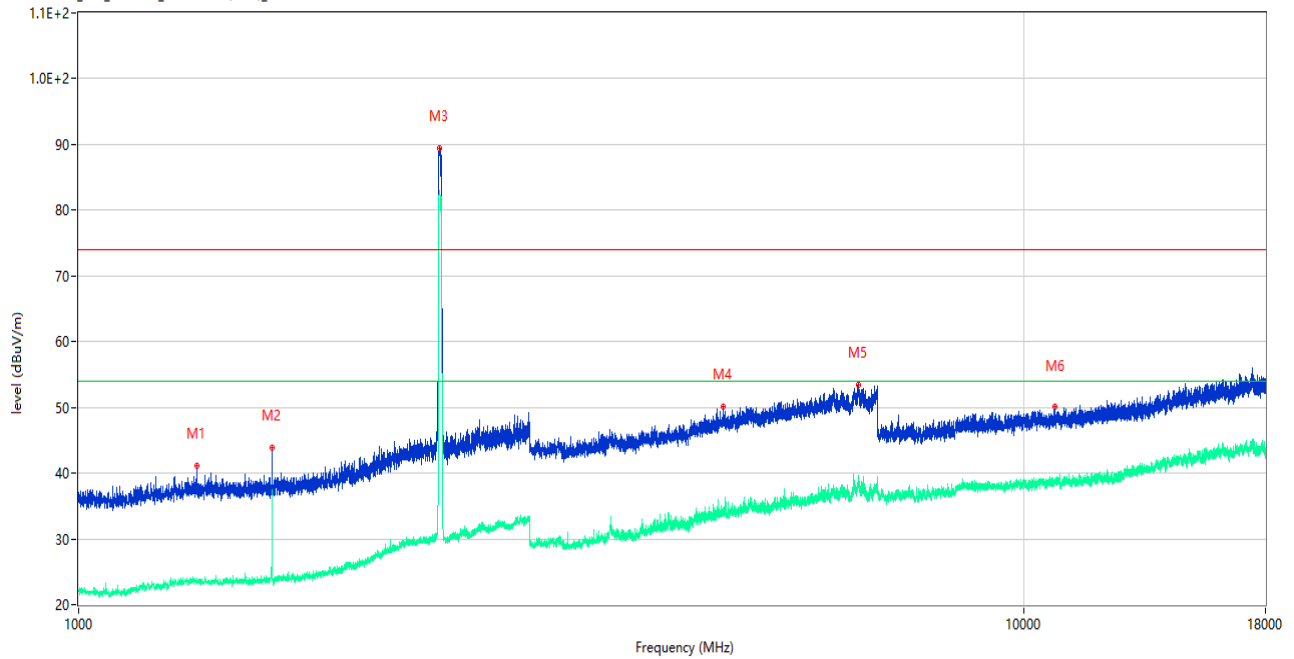
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1100.000	22.88	-18.36	54.0	-31.12	AV	179.00	150	Horizontal	Pass
1	1100.000	39.89	-18.36	74.0	-34.11	Peak	179.00	150	Horizontal	Pass
2**	1601.500	23.54	-17.30	54.0	-30.46	AV	340.00	150	Horizontal	Pass
2	1601.500	41.23	-17.30	74.0	-32.77	Peak	340.00	150	Horizontal	Pass
3**	2463.000	98.48	-12.56	54.0	44.48	AV	104.00	150	Horizontal	N/A
3	2463.000	101.41	-12.56	74.0	27.41	Peak	104.00	150	Horizontal	N/A
4**	4925.000	50.95	-2.73	54.0	-3.05	AV	316.00	150	Horizontal	Pass
4	4925.000	51.67	-2.73	74.0	-22.33	Peak	316.00	150	Horizontal	Pass
5**	6680.000	38.83	0.17	54.0	-15.17	AV	342.00	150	Horizontal	Pass
5	6680.000	53.78	0.17	74.0	-20.22	Peak	342.00	150	Horizontal	Pass
6**	11101.187	38.40	-0.74	54.0	-15.60	AV	69.00	150	Horizontal	Pass
6	11101.187	50.62	-0.74	74.0	-23.38	Peak	69.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11g Low Channel

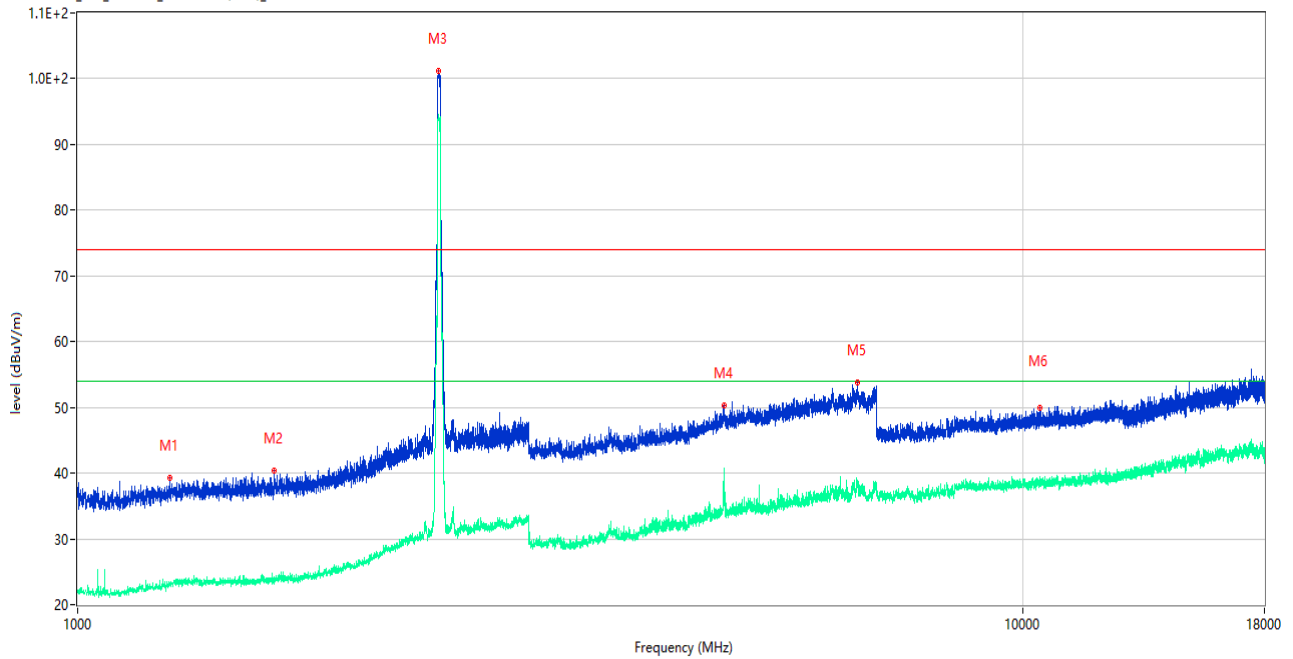
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1334.500	23.23	-17.04	54.0	-30.77	AV	271.00	150	Vertical	Pass
1	1334.500	41.05	-17.04	74.0	-32.95	Peak	271.00	150	Vertical	Pass
2**	1601.500	24.19	-17.30	54.0	-29.81	AV	127.00	150	Vertical	Pass
2	1601.500	43.88	-17.30	74.0	-30.12	Peak	127.00	150	Vertical	Pass
3**	2408.500	82.53	-11.95	54.0	28.53	AV	25.00	150	Vertical	N/A
3	2408.500	89.42	-11.95	74.0	15.42	Peak	25.00	150	Vertical	N/A
4**	4801.000	33.65	-2.63	54.0	-20.35	AV	332.00	150	Vertical	Pass
4	4801.000	50.10	-2.63	74.0	-23.90	Peak	332.00	150	Vertical	Pass
5**	6686.000	38.54	0.15	54.0	-15.46	AV	315.00	150	Vertical	Pass
5	6686.000	53.40	0.15	74.0	-20.60	Peak	315.00	150	Vertical	Pass
6**	10787.812	38.55	0.11	54.0	-15.45	AV	216.00	150	Vertical	Pass
6	10787.812	50.15	0.11	74.0	-23.85	Peak	216.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11g Low Channel

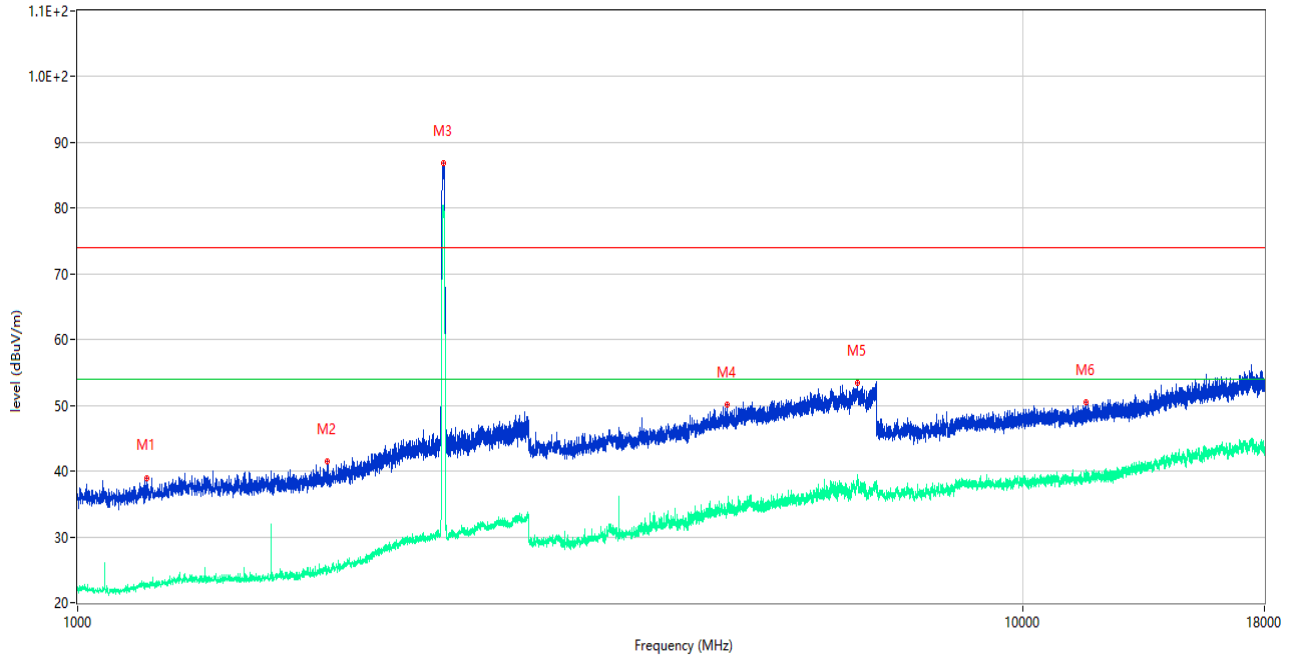
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1250.500	23.08	-17.48	54.0	-30.92	AV	192.00	150	Horizontal	Pass
1	1250.500	39.25	-17.48	74.0	-34.75	Peak	192.00	150	Horizontal	Pass
2**	1612.500	23.26	-17.50	54.0	-30.74	AV	0.00	150	Horizontal	Pass
2	1612.500	40.42	-17.50	74.0	-33.58	Peak	0.00	150	Horizontal	Pass
3**	2407.500	94.34	-11.83	54.0	40.34	AV	104.00	150	Horizontal	N/A
3	2407.500	101.14	-11.83	74.0	27.14	Peak	104.00	150	Horizontal	N/A
4**	4827.000	38.50	-3.11	54.0	-15.50	AV	317.00	150	Horizontal	Pass
4	4827.000	50.33	-3.11	74.0	-23.67	Peak	317.00	150	Horizontal	Pass
5**	6678.000	38.79	0.29	54.0	-15.21	AV	234.00	150	Horizontal	Pass
5	6678.000	53.80	0.29	74.0	-20.20	Peak	234.00	150	Horizontal	Pass
6**	10414.063	39.20	0.54	54.0	-14.80	AV	264.00	150	Horizontal	Pass
6	10414.063	49.86	0.54	74.0	-24.14	Peak	264.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11g Middle Channel

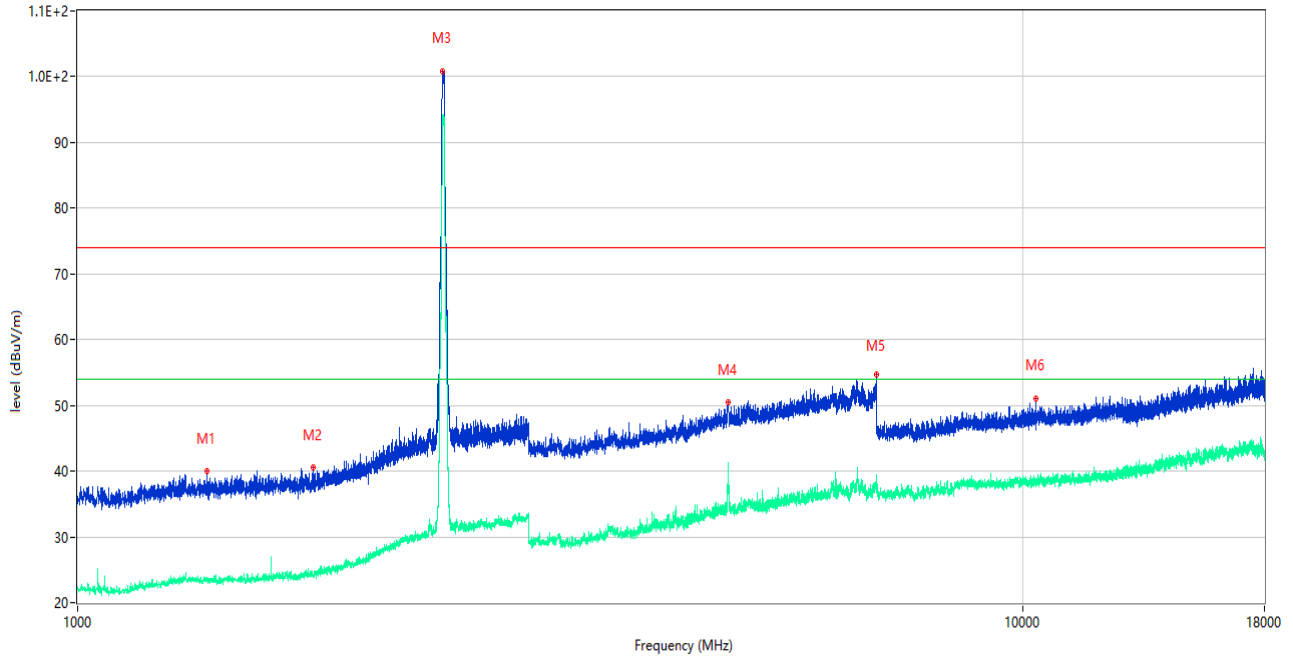
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1182.500	23.02	-17.59	54.0	-30.98	AV	0.00	150	Vertical	Pass
1	1182.500	38.98	-17.59	74.0	-35.02	Peak	0.00	150	Vertical	Pass
2**	1838.500	25.07	-16.41	54.0	-28.93	AV	21.00	150	Vertical	Pass
2	1838.500	41.44	-16.41	74.0	-32.56	Peak	21.00	150	Vertical	Pass
3**	2438.000	79.82	-12.51	54.0	25.82	AV	36.00	150	Vertical	N/A
3	2438.000	86.85	-12.51	74.0	12.85	Peak	36.00	150	Vertical	N/A
4**	4861.000	33.40	-3.11	54.0	-20.60	AV	58.00	150	Vertical	Pass
4	4861.000	50.12	-3.11	74.0	-23.88	Peak	58.00	150	Vertical	Pass
5**	6679.000	39.30	0.14	54.0	-14.70	AV	178.00	150	Vertical	Pass
5	6679.000	53.45	0.14	74.0	-20.55	Peak	178.00	150	Vertical	Pass
6**	11669.000	39.14	0.58	54.0	-14.86	AV	3.00	150	Vertical	Pass
6	11669.000	50.44	0.58	74.0	-23.56	Peak	3.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11g Middle Channel

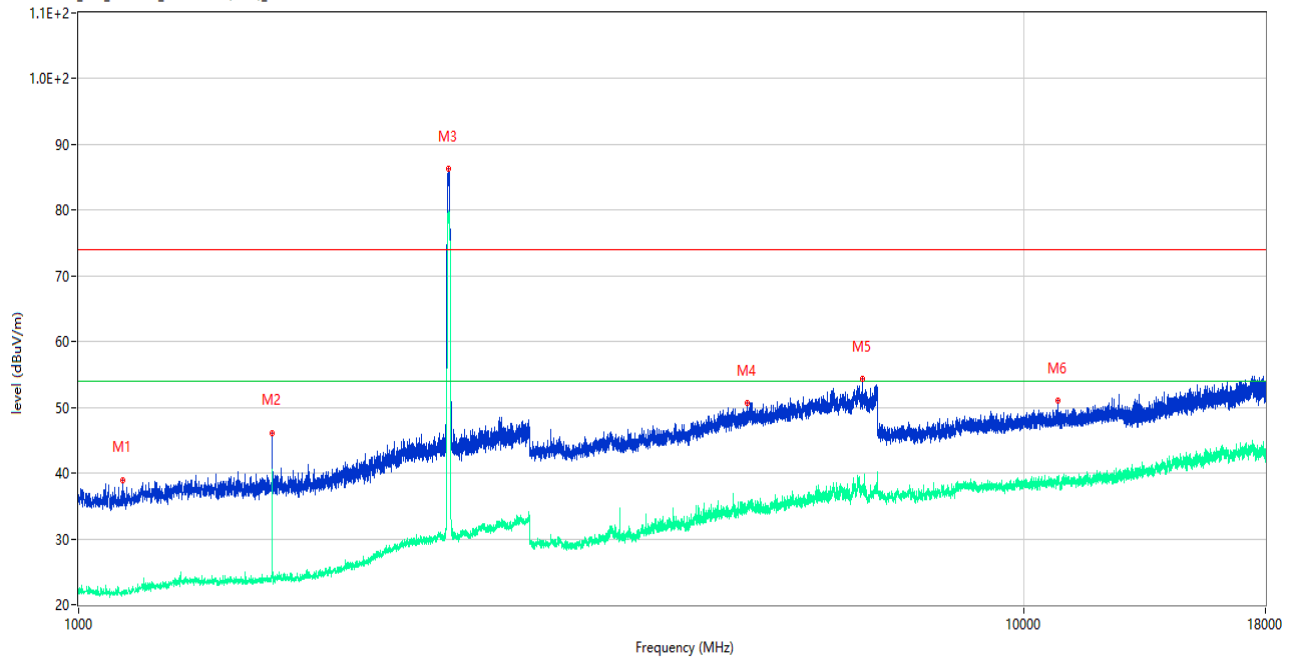
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1371.500	23.62	-17.20	54.0	-30.38	AV	6.00	150	Horizontal	Pass
1	1371.500	39.96	-17.20	74.0	-34.04	Peak	6.00	150	Horizontal	Pass
2**	1774.000	23.89	-16.80	54.0	-30.11	AV	236.00	150	Horizontal	Pass
2	1774.000	40.61	-16.80	74.0	-33.39	Peak	236.00	150	Horizontal	Pass
3**	2430.500	94.16	-12.68	54.0	40.16	AV	93.00	150	Horizontal	N/A
3	2430.500	100.88	-12.68	74.0	26.88	Peak	93.00	150	Horizontal	N/A
4**	4875.000	41.26	-3.18	54.0	-12.74	AV	182.00	150	Horizontal	Pass
4	4875.000	50.50	-3.18	74.0	-23.50	Peak	182.00	150	Horizontal	Pass
5**	6993.000	38.07	0.85	54.0	-15.93	AV	298.00	150	Horizontal	Pass
5	6993.000	54.63	0.85	74.0	-19.37	Peak	298.00	150	Horizontal	Pass
6**	10324.938	38.40	0.43	54.0	-15.60	AV	358.00	150	Horizontal	Pass
6	10324.938	51.07	0.43	74.0	-22.93	Peak	358.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11g High Channel

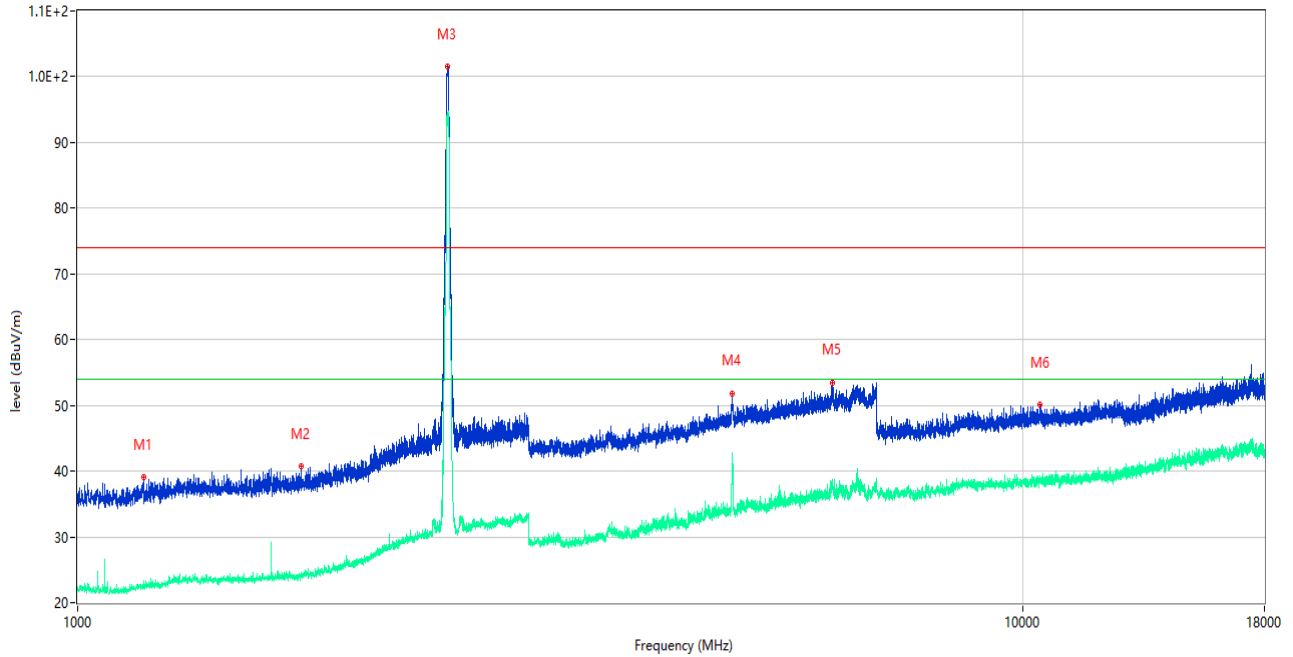
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1112.500	21.98	-18.40	54.0	-32.02	AV	129.00	150	Vertical	Pass
1	1112.500	38.91	-18.40	74.0	-35.09	Peak	129.00	150	Vertical	Pass
2**	1602.000	35.13	-17.32	54.0	-18.87	AV	96.00	150	Vertical	Pass
2	1602.000	46.14	-17.32	74.0	-27.86	Peak	96.00	150	Vertical	Pass
3**	2463.500	79.83	-12.59	54.0	25.83	AV	50.00	150	Vertical	N/A
3	2463.500	86.34	-12.59	74.0	12.34	Peak	50.00	150	Vertical	N/A
4**	5090.000	34.50	-2.93	54.0	-19.50	AV	38.00	150	Vertical	Pass
4	5090.000	50.61	-2.93	74.0	-23.39	Peak	38.00	150	Vertical	Pass
5**	6745.000	37.39	0.21	54.0	-16.61	AV	2.00	150	Vertical	Pass
5	6745.000	54.35	0.21	74.0	-19.65	Peak	2.00	150	Vertical	Pass
6**	10859.688	38.61	0.61	54.0	-15.39	AV	360.00	150	Vertical	Pass
6	10859.688	51.11	0.61	74.0	-22.89	Peak	360.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11g High Channel

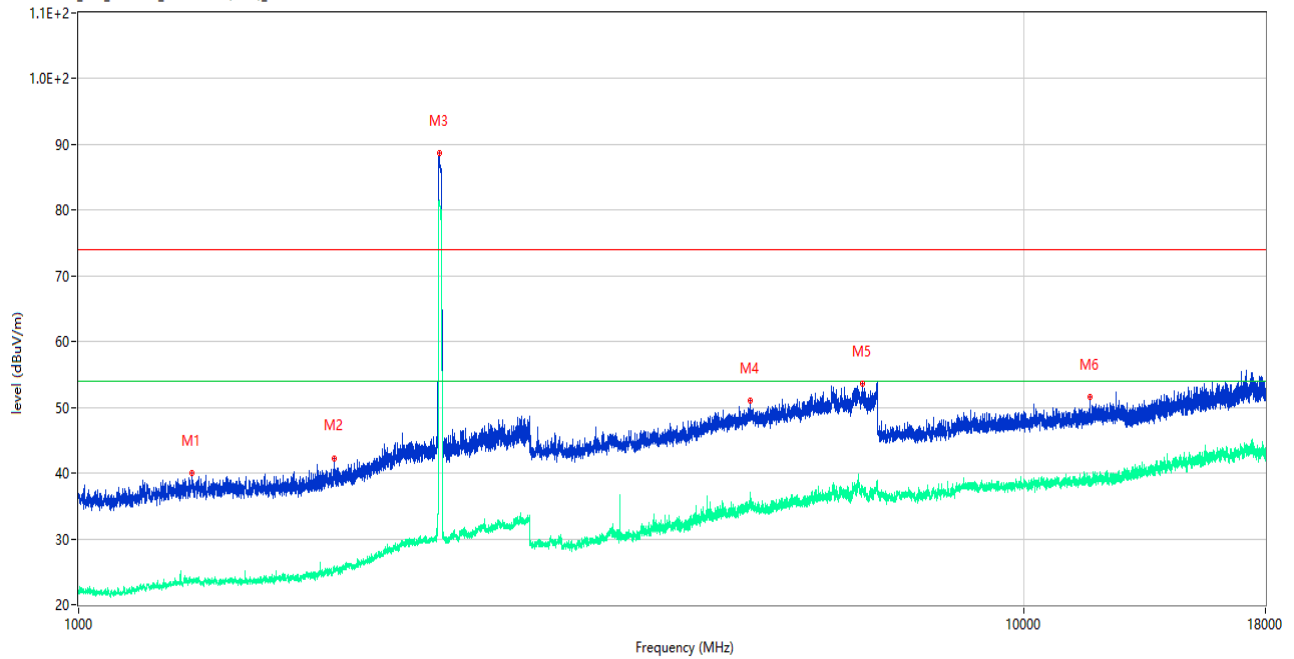
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1173.500	23.37	-17.64	54.0	-30.63	AV	324.00	150	Horizontal	Pass
1	1173.500	39.07	-17.64	74.0	-34.93	Peak	324.00	150	Horizontal	Pass
2**	1723.500	24.21	-16.87	54.0	-29.79	AV	86.00	150	Horizontal	Pass
2	1723.500	40.80	-16.87	74.0	-33.20	Peak	86.00	150	Horizontal	Pass
3**	2463.500	94.55	-12.59	54.0	40.55	AV	93.00	150	Horizontal	N/A
3	2463.500	101.46	-12.59	74.0	27.46	Peak	93.00	150	Horizontal	N/A
4**	4924.000	39.72	-2.55	54.0	-14.28	AV	144.00	150	Horizontal	Pass
4	4924.000	51.84	-2.55	74.0	-22.16	Peak	144.00	150	Horizontal	Pass
5**	6283.000	37.51	0.39	54.0	-16.49	AV	18.00	150	Horizontal	Pass
5	6283.000	53.51	0.39	74.0	-20.49	Peak	18.00	150	Horizontal	Pass
6**	10411.187	38.41	0.50	54.0	-15.59	AV	257.00	150	Horizontal	Pass
6	10411.187	50.14	0.50	74.0	-23.86	Peak	257.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n20 Low Channel

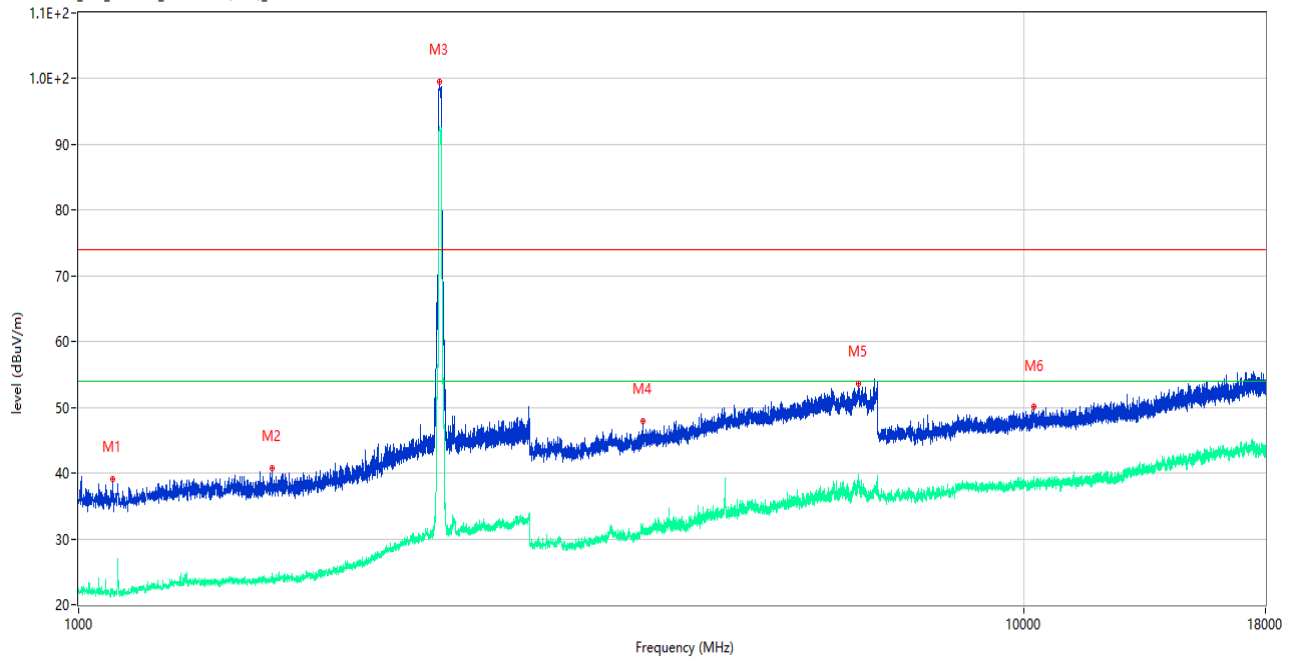
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1318.000	23.30	-17.10	54.0	-30.70	AV	104.00	150	Vertical	Pass
1	1318.000	39.96	-17.10	74.0	-34.04	Peak	104.00	150	Vertical	Pass
2**	1863.500	24.96	-16.09	54.0	-29.04	AV	33.00	150	Vertical	Pass
2	1863.500	42.30	-16.09	74.0	-31.70	Peak	33.00	150	Vertical	Pass
3**	2408.500	81.39	-11.95	54.0	27.39	AV	33.00	150	Vertical	N/A
3	2408.500	88.66	-11.95	74.0	14.66	Peak	33.00	150	Vertical	N/A
4**	5137.000	35.38	-2.54	54.0	-18.62	AV	96.00	150	Vertical	Pass
4	5137.000	51.06	-2.54	74.0	-22.94	Peak	96.00	150	Vertical	Pass
5**	6740.000	37.85	0.40	54.0	-16.15	AV	346.00	150	Vertical	Pass
5	6740.000	53.68	0.40	74.0	-20.32	Peak	346.00	150	Vertical	Pass
6**	11735.125	39.10	1.24	54.0	-14.90	AV	4.00	150	Vertical	Pass
6	11735.125	51.54	1.24	74.0	-22.46	Peak	4.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n20 Low Channel

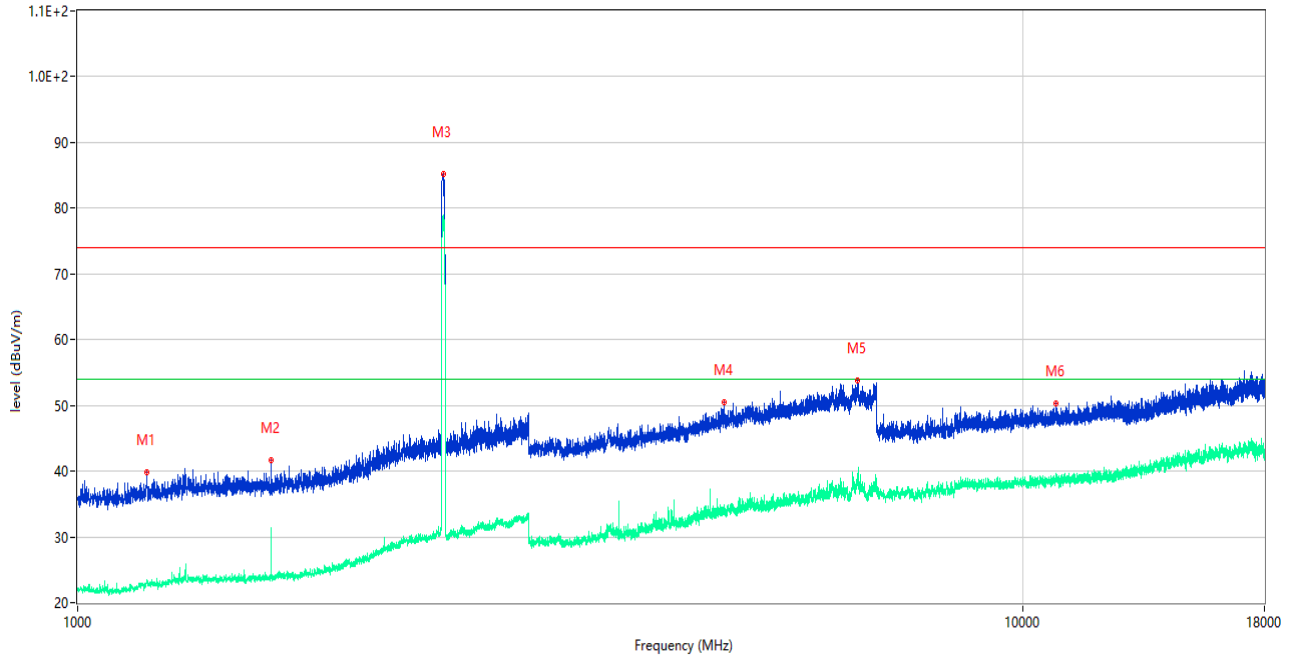
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1087.000	21.68	-18.27	54.0	-32.32	AV	50.00	150	Horizontal	Pass
1	1087.000	39.01	-18.27	74.0	-34.99	Peak	50.00	150	Horizontal	Pass
2**	1602.000	24.18	-17.32	54.0	-29.82	AV	42.00	150	Horizontal	Pass
2	1602.000	40.78	-17.32	74.0	-33.22	Peak	42.00	150	Horizontal	Pass
3**	2408.500	92.75	-11.95	54.0	38.75	AV	102.00	150	Horizontal	N/A
3	2408.500	99.52	-11.95	74.0	25.52	Peak	102.00	150	Horizontal	N/A
4**	3951.000	31.17	-4.67	54.0	-22.83	AV	240.00	150	Horizontal	Pass
4	3951.000	47.95	-4.67	74.0	-26.05	Peak	240.00	150	Horizontal	Pass
5**	6673.000	37.87	0.06	54.0	-16.13	AV	217.00	150	Horizontal	Pass
5	6673.000	53.64	0.06	74.0	-20.36	Peak	217.00	150	Horizontal	Pass
6**	10247.312	38.57	1.13	54.0	-15.43	AV	311.00	150	Horizontal	Pass
6	10247.312	50.19	1.13	74.0	-23.81	Peak	311.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n20 Middle Channel

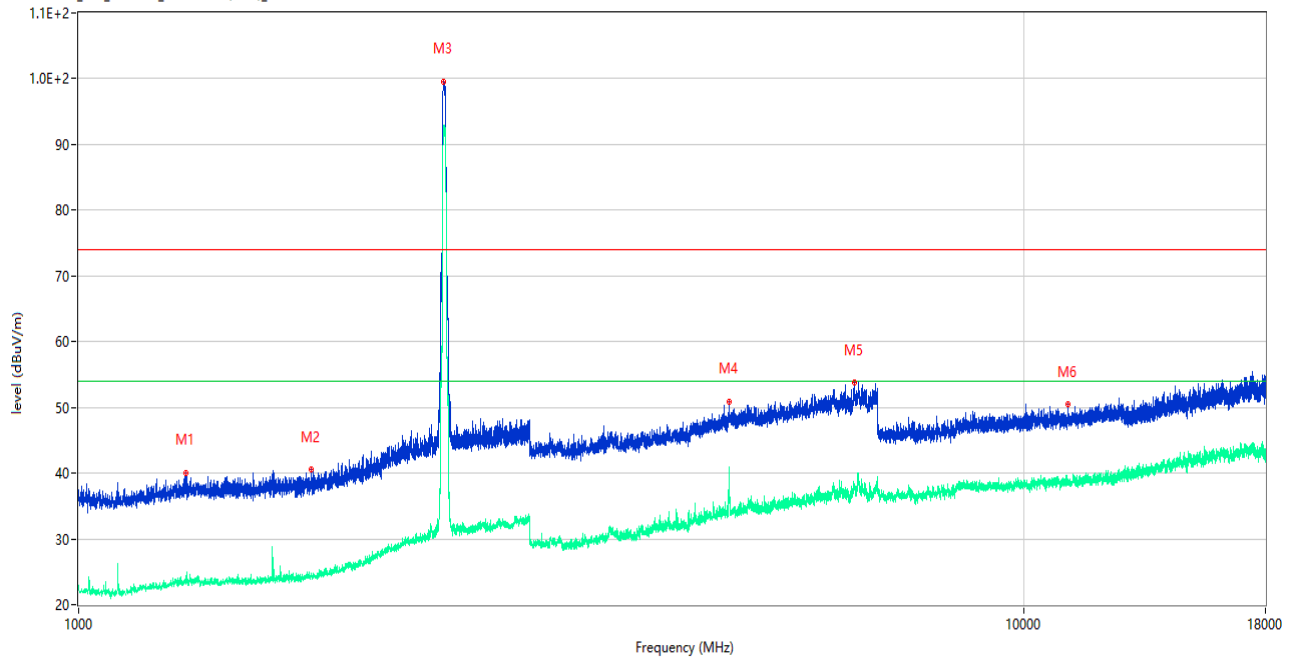
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1183.500	23.53	-17.76	54.0	-30.47	AV	347.00	150	Vertical	Pass
1	1183.500	39.88	-17.76	74.0	-34.12	Peak	347.00	150	Vertical	Pass
2**	1602.000	27.77	-17.32	54.0	-26.23	AV	184.00	150	Vertical	Pass
2	1602.000	41.64	-17.32	74.0	-32.36	Peak	184.00	150	Vertical	Pass
3**	2436.000	78.97	-12.64	54.0	24.97	AV	29.00	150	Vertical	N/A
3	2436.000	85.12	-12.64	74.0	11.12	Peak	29.00	150	Vertical	N/A
4**	4831.000	34.66	-3.31	54.0	-19.34	AV	298.00	150	Vertical	Pass
4	4831.000	50.46	-3.31	74.0	-23.54	Peak	298.00	150	Vertical	Pass
5**	6683.000	38.85	0.15	54.0	-15.15	AV	89.00	150	Vertical	Pass
5	6683.000	53.72	0.15	74.0	-20.28	Peak	89.00	150	Vertical	Pass
6**	10841.000	39.08	0.99	54.0	-14.92	AV	99.00	150	Vertical	Pass
6	10841.000	50.25	0.99	74.0	-23.75	Peak	99.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n20 Middle Channel

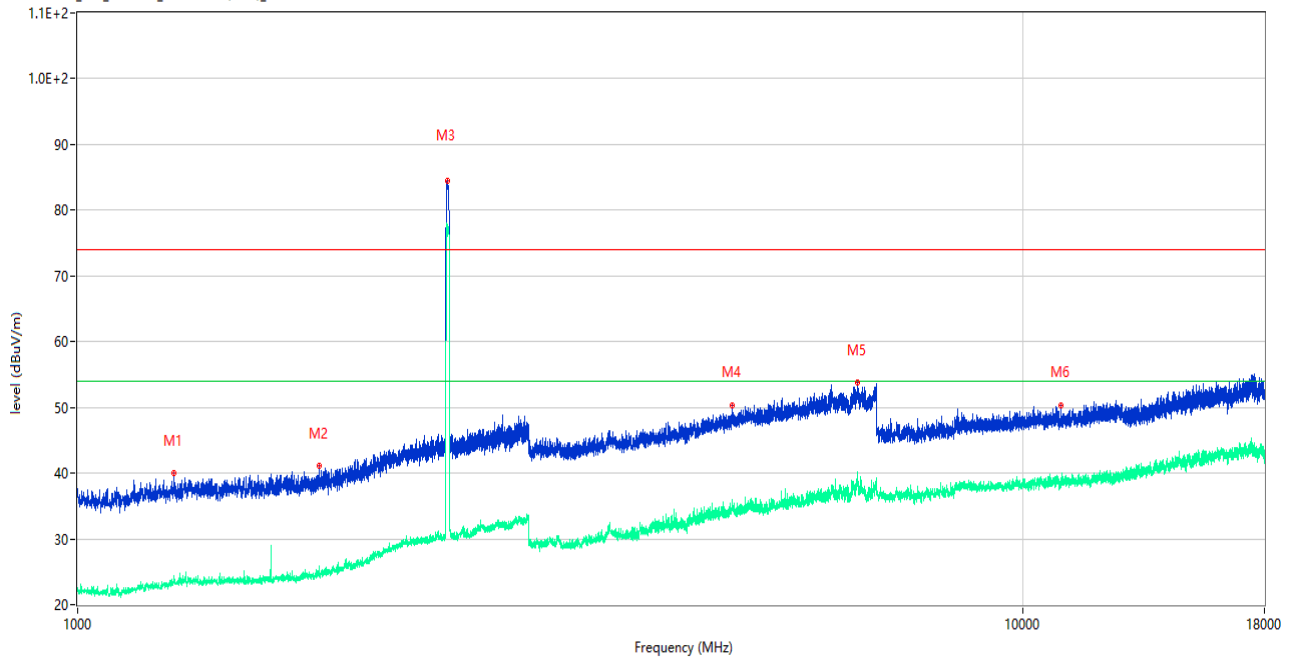
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1300.000	24.12	-17.02	54.0	-29.88	AV	355.00	150	Horizontal	Pass
1	1300.000	40.09	-17.02	74.0	-33.91	Peak	355.00	150	Horizontal	Pass
2**	1761.500	24.79	-16.77	54.0	-29.21	AV	149.00	150	Horizontal	Pass
2	1761.500	40.57	-16.77	74.0	-33.43	Peak	149.00	150	Horizontal	Pass
3**	2432.000	92.26	-12.74	54.0	38.26	AV	68.00	150	Horizontal	N/A
3	2432.000	99.58	-12.74	74.0	25.58	Peak	68.00	150	Horizontal	N/A
4**	4874.000	36.90	-3.32	54.0	-17.10	AV	131.00	150	Horizontal	Pass
4	4874.000	50.93	-3.32	74.0	-23.07	Peak	131.00	150	Horizontal	Pass
5**	6613.000	38.04	0.35	54.0	-15.96	AV	360.00	150	Horizontal	Pass
5	6613.000	53.82	0.35	74.0	-20.18	Peak	360.00	150	Horizontal	Pass
6**	11141.437	38.36	-0.57	54.0	-15.64	AV	208.00	150	Horizontal	Pass
6	11141.437	50.56	-0.57	74.0	-23.44	Peak	208.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n20 High Channel

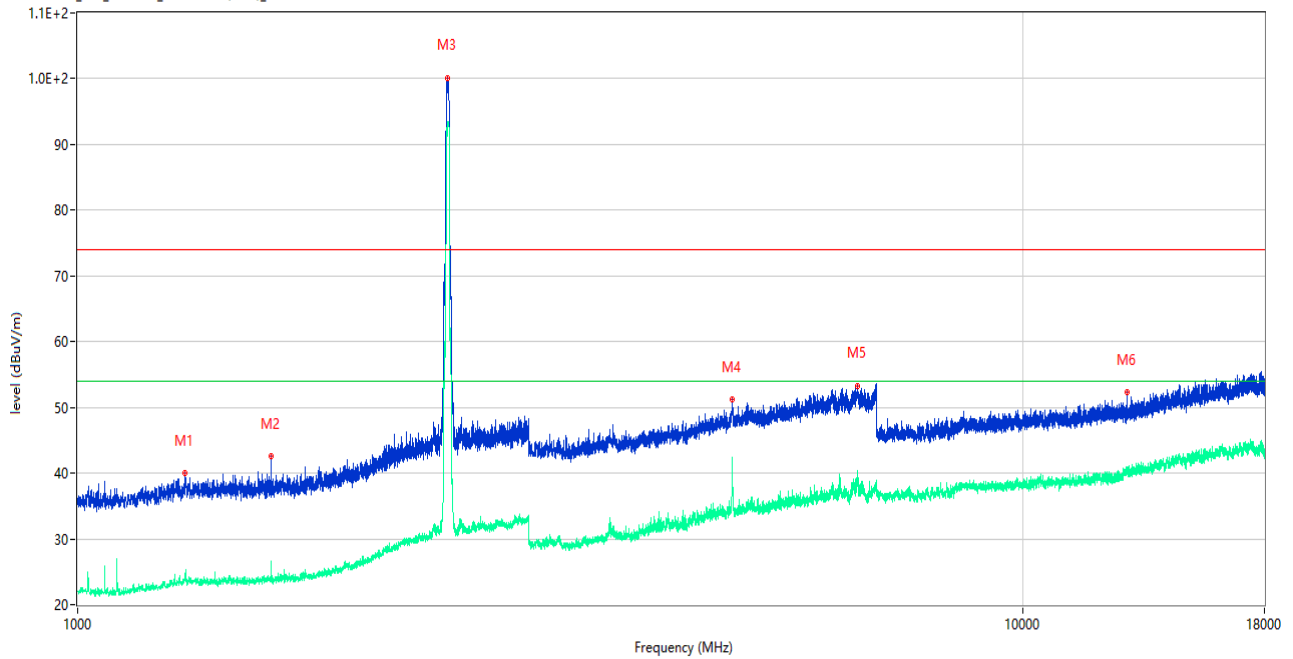
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1264.500	24.33	-17.08	54.0	-29.67	AV	216.00	150	Vertical	Pass
1	1264.500	39.94	-17.08	74.0	-34.06	Peak	216.00	150	Vertical	Pass
2**	1800.000	24.91	-16.70	54.0	-29.09	AV	52.00	150	Vertical	Pass
2	1800.000	41.07	-16.70	74.0	-32.93	Peak	52.00	150	Vertical	Pass
3**	2459.000	77.66	-12.87	54.0	23.66	AV	74.00	150	Vertical	N/A
3	2459.000	84.55	-12.87	74.0	10.55	Peak	74.00	150	Vertical	N/A
4**	4923.000	34.73	-2.56	54.0	-19.27	AV	180.00	150	Vertical	Pass
4	4923.000	50.25	-2.56	74.0	-23.75	Peak	180.00	150	Vertical	Pass
5**	6677.000	38.79	0.46	54.0	-15.21	AV	61.00	150	Vertical	Pass
5	6677.000	53.81	0.46	74.0	-20.19	Peak	61.00	150	Vertical	Pass
6**	10977.563	38.63	0.01	54.0	-15.37	AV	186.00	150	Vertical	Pass
6	10977.563	50.26	0.01	74.0	-23.74	Peak	186.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n20 High Channel

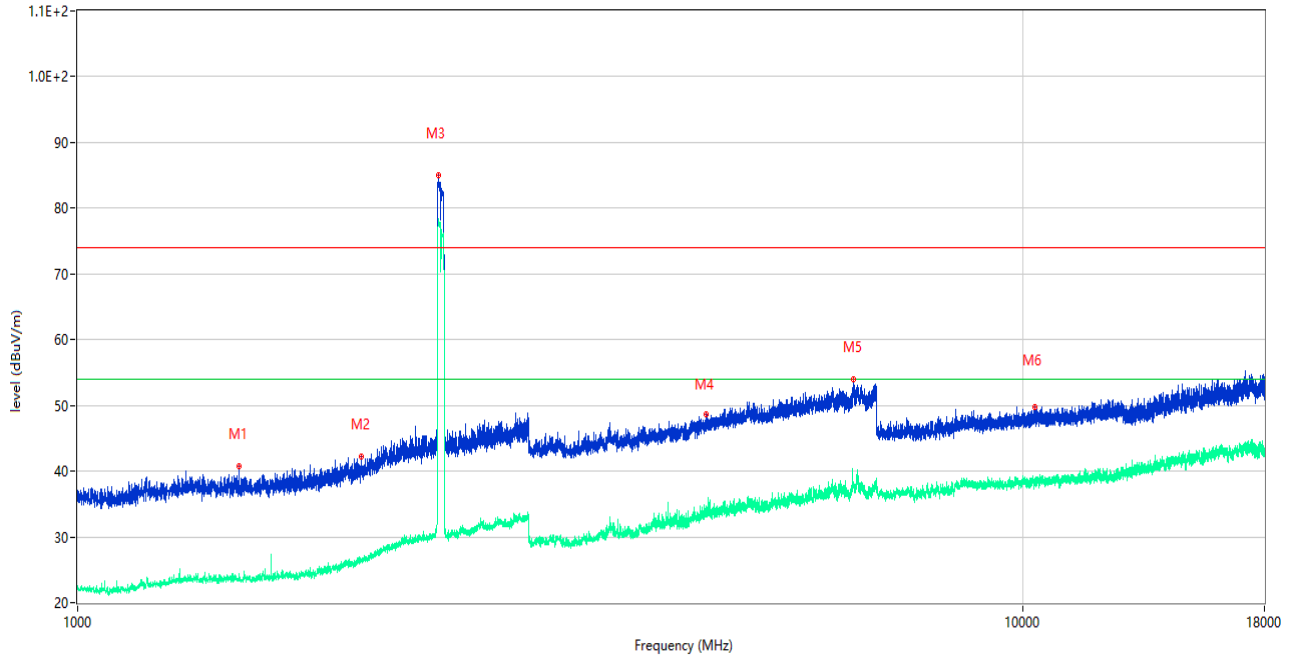
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1299.000	23.63	-17.01	54.0	-30.37	AV	307.00	150	Horizontal	Pass
1	1299.000	39.98	-17.01	74.0	-34.02	Peak	307.00	150	Horizontal	Pass
2**	1601.500	23.64	-17.30	54.0	-30.36	AV	232.00	150	Horizontal	Pass
2	1601.500	42.61	-17.30	74.0	-31.39	Peak	232.00	150	Horizontal	Pass
3**	2459.000	92.76	-12.87	54.0	38.76	AV	95.00	150	Horizontal	N/A
3	2459.000	100.15	-12.87	74.0	26.15	Peak	95.00	150	Horizontal	N/A
4**	4924.000	39.24	-2.55	54.0	-14.76	AV	344.00	150	Horizontal	Pass
4	4924.000	51.16	-2.55	74.0	-22.84	Peak	344.00	150	Horizontal	Pass
5**	6677.000	39.89	0.46	54.0	-14.11	AV	308.00	150	Horizontal	Pass
5	6677.000	53.21	0.46	74.0	-20.79	Peak	308.00	150	Horizontal	Pass
6**	12889.125	40.17	1.92	54.0	-13.83	AV	313.00	150	Horizontal	Pass
6	12889.125	52.29	1.92	74.0	-21.71	Peak	313.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n40 Low Channel

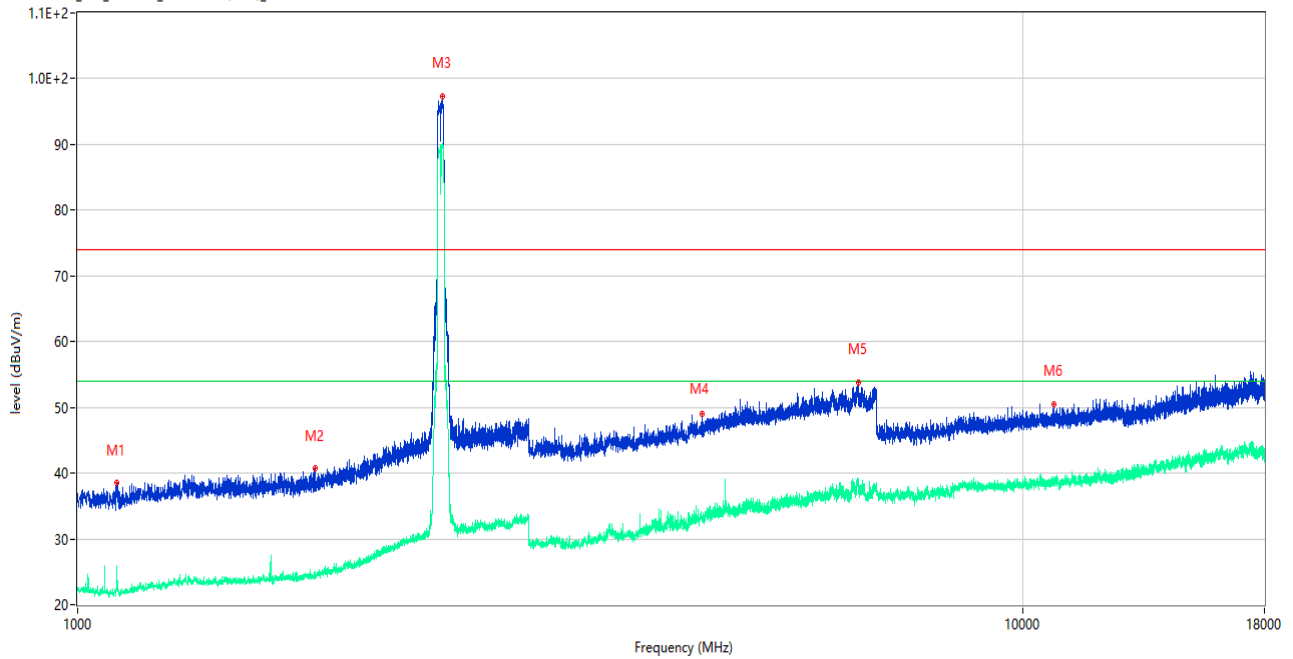
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1481.000	23.83	-17.29	54.0	-30.17	AV	114.00	150	Vertical	Pass
1	1481.000	40.73	-17.29	74.0	-33.27	Peak	114.00	150	Vertical	Pass
2**	1997.500	26.45	-15.32	54.0	-27.55	AV	0.00	150	Vertical	Pass
2	1997.500	42.22	-15.32	74.0	-31.78	Peak	0.00	150	Vertical	Pass
3**	2407.000	77.86	-11.86	54.0	23.86	AV	43.00	150	Vertical	N/A
3	2407.000	84.98	-11.86	74.0	10.98	Peak	43.00	150	Vertical	N/A
4**	4620.000	34.53	-4.21	54.0	-19.47	AV	289.00	150	Vertical	Pass
4	4620.000	48.70	-4.21	74.0	-25.30	Peak	289.00	150	Vertical	Pass
5**	6618.000	37.75	0.51	54.0	-16.25	AV	262.00	150	Vertical	Pass
5	6618.000	53.93	0.51	74.0	-20.07	Peak	262.00	150	Vertical	Pass
6**	10300.500	38.28	0.08	54.0	-15.72	AV	248.00	150	Vertical	Pass
6	10300.500	49.69	0.08	74.0	-24.31	Peak	248.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n40 Low Channel

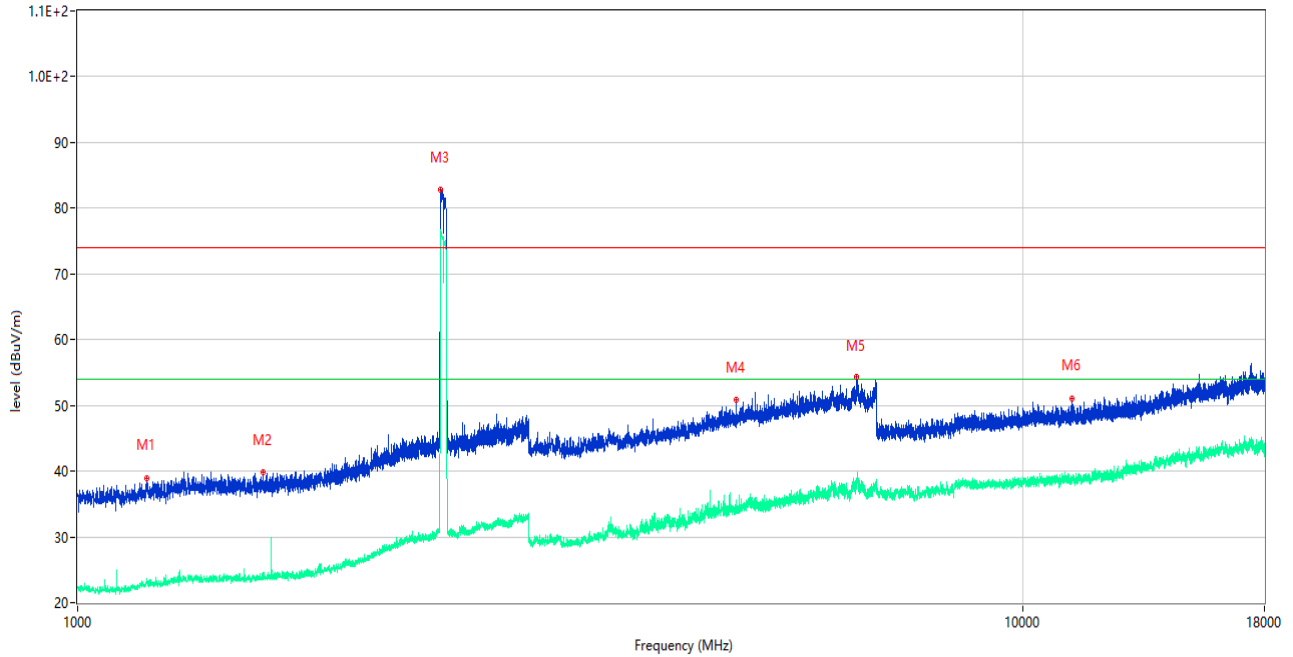
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1100.000	23.28	-18.36	54.0	-30.72	AV	125.00	150	Horizontal	Pass
1	1100.000	38.46	-18.36	74.0	-35.54	Peak	125.00	150	Horizontal	Pass
2**	1783.500	24.11	-16.69	54.0	-29.89	AV	9.00	150	Horizontal	Pass
2	1783.500	40.70	-16.69	74.0	-33.30	Peak	9.00	150	Horizontal	Pass
3**	2429.000	89.94	-12.62	54.0	35.94	AV	67.00	150	Horizontal	N/A
3	2429.000	97.41	-12.62	74.0	23.41	Peak	67.00	150	Horizontal	N/A
4**	4579.000	32.96	-4.20	54.0	-21.04	AV	88.00	150	Horizontal	Pass
4	4579.000	48.96	-4.20	74.0	-25.04	Peak	88.00	150	Horizontal	Pass
5**	6696.000	37.56	-0.52	54.0	-16.44	AV	250.00	150	Horizontal	Pass
5	6696.000	53.86	-0.52	74.0	-20.14	Peak	250.00	150	Horizontal	Pass
6**	10779.187	38.73	-0.00	54.0	-15.27	AV	231.00	150	Horizontal	Pass
6	10779.187	50.49	-0.00	74.0	-23.51	Peak	231.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n40 Middle Channel

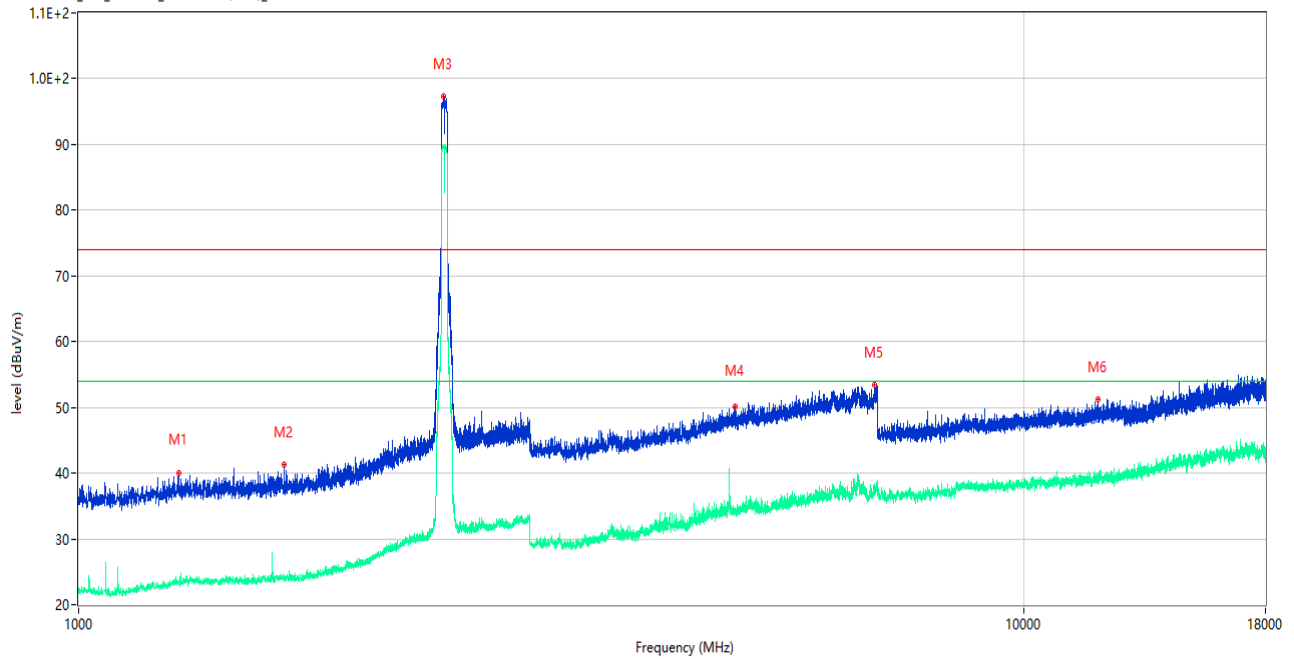
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1183.500	23.45	-17.76	54.0	-30.55	AV	140.00	150	Vertical	Pass
1	1183.500	38.87	-17.76	74.0	-35.13	Peak	140.00	150	Vertical	Pass
2**	1569.000	24.66	-17.01	54.0	-29.34	AV	252.00	150	Vertical	Pass
2	1569.000	39.80	-17.01	74.0	-34.20	Peak	252.00	150	Vertical	Pass
3**	2420.500	76.19	-12.20	54.0	22.19	AV	31.00	150	Vertical	N/A
3	2420.500	82.84	-12.20	74.0	8.84	Peak	31.00	150	Vertical	N/A
4**	4969.000	35.55	-3.12	54.0	-18.45	AV	78.00	150	Vertical	Pass
4	4969.000	50.90	-3.12	74.0	-23.10	Peak	78.00	150	Vertical	Pass
5**	6664.000	38.44	-0.18	54.0	-15.56	AV	139.00	150	Vertical	Pass
5	6664.000	54.28	-0.18	74.0	-19.72	Peak	139.00	150	Vertical	Pass
6**	11278.000	39.09	0.57	54.0	-14.91	AV	193.00	150	Vertical	Pass
6	11278.000	51.02	0.57	74.0	-22.98	Peak	193.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n40 Middle Channel

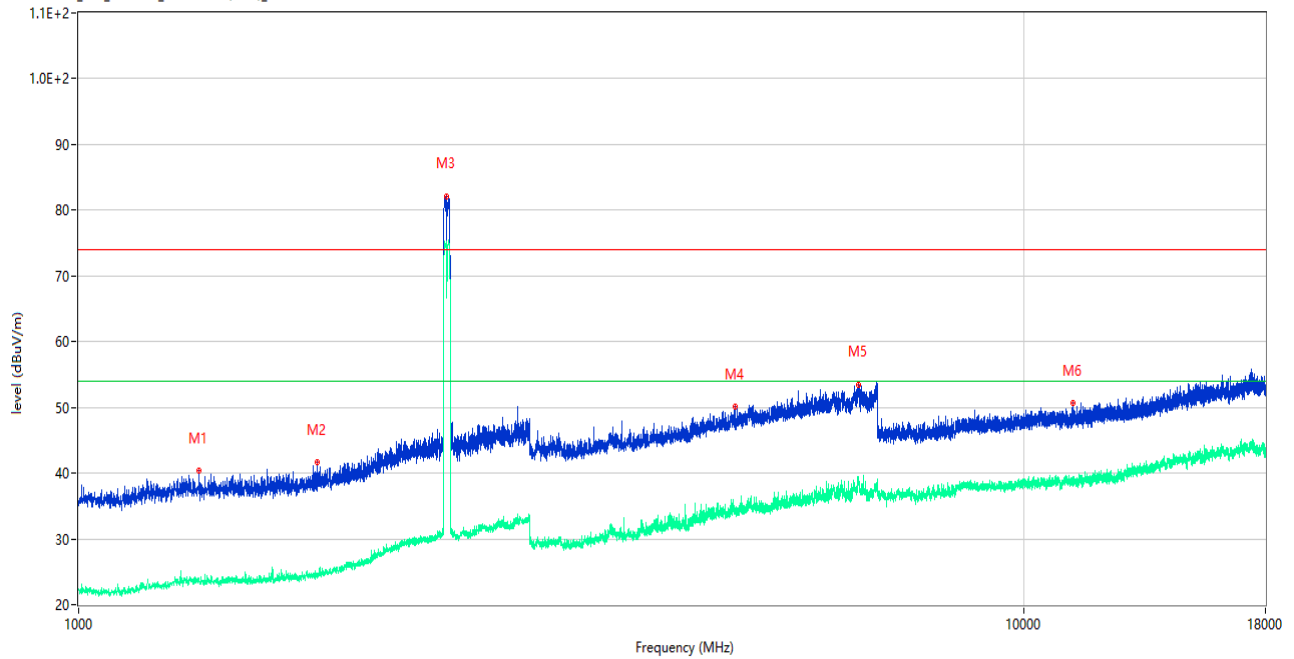
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1277.000	23.44	-17.30	54.0	-30.56	AV	33.00	150	Horizontal	Pass
1	1277.000	40.07	-17.30	74.0	-33.93	Peak	33.00	150	Horizontal	Pass
2**	1650.000	23.90	-17.33	54.0	-30.10	AV	296.00	150	Horizontal	Pass
2	1650.000	41.32	-17.33	74.0	-32.68	Peak	296.00	150	Horizontal	Pass
3**	2429.500	89.81	-12.64	54.0	35.81	AV	79.00	150	Horizontal	N/A
3	2429.500	97.33	-12.64	74.0	23.33	Peak	79.00	150	Horizontal	N/A
4**	4951.000	34.13	-3.11	54.0	-19.87	AV	325.00	150	Horizontal	Pass
4	4951.000	50.05	-3.11	74.0	-23.95	Peak	325.00	150	Horizontal	Pass
5**	6951.000	36.71	0.57	54.0	-17.29	AV	354.00	150	Horizontal	Pass
5	6951.000	53.48	0.57	74.0	-20.52	Peak	354.00	150	Horizontal	Pass
6**	11986.688	39.33	1.26	54.0	-14.67	AV	360.00	150	Horizontal	Pass
6	11986.688	51.15	1.26	74.0	-22.85	Peak	360.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n40 High Channel

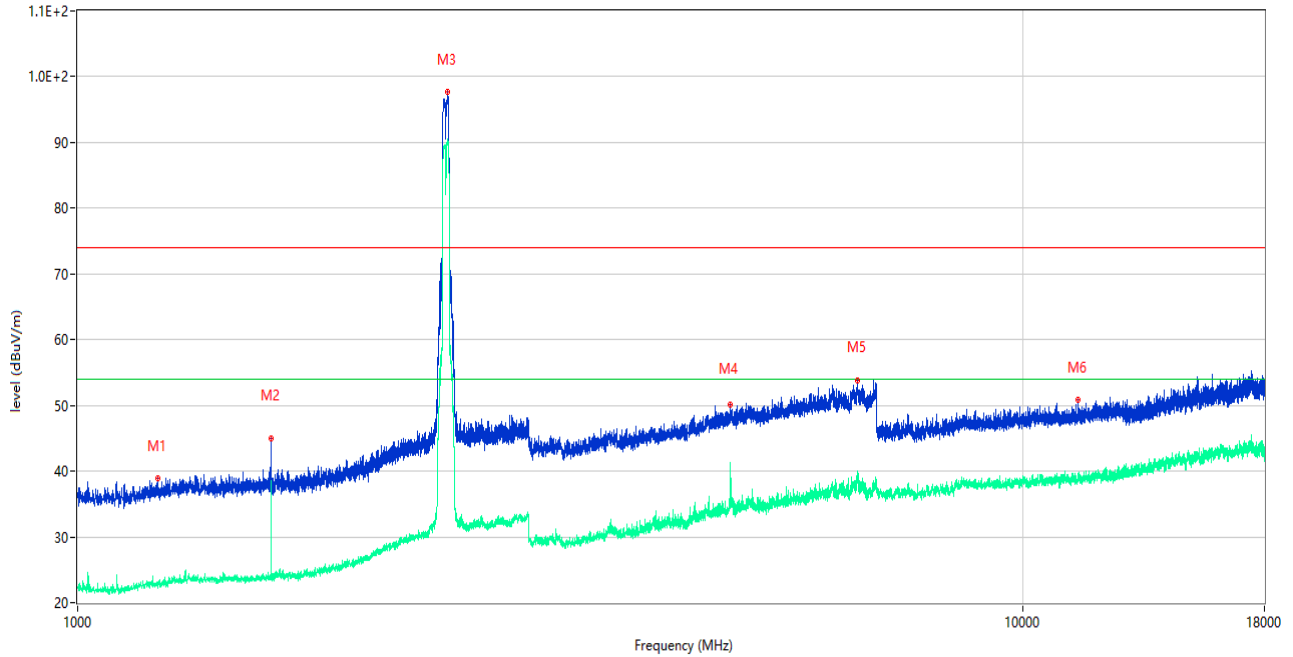
RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1340.000	23.71	-17.08	54.0	-30.29	AV	341.00	150	Vertical	Pass
1	1340.000	40.39	-17.08	74.0	-33.61	Peak	341.00	150	Vertical	Pass
2**	1790.000	24.71	-16.75	54.0	-29.29	AV	360.00	150	Vertical	Pass
2	1790.000	41.70	-16.75	74.0	-32.30	Peak	360.00	150	Vertical	Pass
3**	2448.500	74.82	-12.76	54.0	20.82	AV	28.00	150	Vertical	N/A
3	2448.500	82.13	-12.76	74.0	8.13	Peak	28.00	150	Vertical	N/A
4**	4952.000	34.00	-3.11	54.0	-20.00	AV	84.00	150	Vertical	Pass
4	4952.000	50.09	-3.11	74.0	-23.91	Peak	84.00	150	Vertical	Pass
5**	6679.000	38.72	0.14	54.0	-15.28	AV	146.00	150	Vertical	Pass
5	6679.000	53.48	0.14	74.0	-20.52	Peak	146.00	150	Vertical	Pass
6**	11266.500	39.49	0.23	54.0	-14.51	AV	127.00	150	Vertical	Pass
6	11266.500	50.72	0.23	74.0	-23.28	Peak	127.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n40 High Channel

RE Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1214.500	22.62	-17.50	54.0	-31.38	AV	243.00	150	Horizontal	Pass
1	1214.500	38.93	-17.50	74.0	-35.07	Peak	243.00	150	Horizontal	Pass
2**	1601.500	25.55	-17.30	54.0	-28.45	AV	264.00	150	Horizontal	Pass
2	1601.500	45.02	-17.30	74.0	-28.98	Peak	264.00	150	Horizontal	Pass
3**	2462.500	89.97	-12.57	54.0	35.97	AV	94.00	150	Horizontal	N/A
3	2462.500	97.72	-12.57	74.0	23.72	Peak	94.00	150	Horizontal	N/A
4**	4902.000	34.94	-2.60	54.0	-19.06	AV	191.00	150	Horizontal	Pass
4	4902.000	50.05	-2.60	74.0	-23.95	Peak	191.00	150	Horizontal	Pass
5**	6676.000	39.37	0.41	54.0	-14.63	AV	72.00	150	Horizontal	Pass
5	6676.000	53.89	0.41	74.0	-20.11	Peak	72.00	150	Horizontal	Pass
6**	11437.563	39.14	0.29	54.0	-14.86	AV	190.00	150	Horizontal	Pass
6	11437.563	50.83	0.29	74.0	-23.17	Peak	190.00	150	Horizontal	Pass

A.7 Band Edge (Restricted-band band-edge)

Test Data

Note ¹: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the following the plots for emissions values.

Note ²: The test data all are tested in the vertical and horizontal antenna which the trace is max hold. So these plots have shown the worst case.

Note ³: According the ANSI C63.10-2013, 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.

8 inch

Test Mode	Test Channel	Frequency (MHz)	Level (dBuV/m)	Factor (dB)	Limit Line (dBuV/m)	Margin (dB)	Remark	Verdict
802.11b	Low	2390	57.009	32.61	74	16.991	PEAK	Pass
		2390	45.498	32.61	54	8.502	AVERAGE	Pass
	HIGH	2483.5	62.327	32.54	74	11.673	PEAK	Pass
		2483.5	49.287	32.54	54	4.713	AVERAGE	Pass
802.11g	Low	2390	62.091	32.61	74	11.909	PEAK	Pass
		2390	48.421	32.61	54	5.579	AVERAGE	Pass
	HIGH	2483.5	70.03	32.54	74	3.97	PEAK	Pass
		2483.5	49.78	32.54	54	4.22	AVERAGE	Pass
802.11n20	Low	2390	63.957	32.61	74	10.043	PEAK	Pass
		2390	45.865	32.61	54	8.135	AVERAGE	Pass
	HIGH	2483.5	70.263	32.54	74	3.737	PEAK	Pass
		2483.5	47.673	32.54	54	6.327	AVERAGE	Pass
802.11n40	Low	2390	69.174	32.61	74	4.826	PEAK	Pass
		2390	49.23	32.61	54	4.77	AVERAGE	Pass
	HIGH	2483.5	69.11	32.54	74	4.89	PEAK	Pass
		2483.5	48.94	32.54	54	5.06	AVERAGE	Pass

10.1 inch

Test Mode	Test Channel	Frequency (MHz)	Level (dBuV/m)	Factor (dB)	Limit Line (dBuV/m)	Margin (dB)	Remark	Verdict
802.11b	Low	2390	55.013	32.61	74	18.987	PEAK	Pass
		2390	44.016	32.61	54	9.984	AVERAGE	Pass
	HIGH	2483.5	55.408	32.54	74	18.592	PEAK	Pass
		2483.5	44.699	32.54	54	9.301	AVERAGE	Pass
802.11g	Low	2390	59.818	32.61	74	14.182	PEAK	Pass
		2390	45.142	32.61	54	8.858	AVERAGE	Pass
	HIGH	2483.5	63.145	32.54	74	10.855	PEAK	Pass
		2483.5	45.739	32.54	54	8.261	AVERAGE	Pass
802.11n20	Low	2390	54.621	32.61	74	19.379	PEAK	Pass
		2390	44.576	32.61	54	9.424	AVERAGE	Pass
	HIGH	2483.5	59.513	32.54	74	14.487	PEAK	Pass
		2483.5	45.383	32.54	54	8.617	AVERAGE	Pass
802.11n40	Low	2390	57.713	32.61	74	16.287	PEAK	Pass
		2390	44.853	32.61	54	9.147	AVERAGE	Pass
	HIGH	2483.5	60.275	32.54	74	13.725	PEAK	Pass
		2483.5	45.967	32.54	54	8.033	AVERAGE	Pass

11.5 inch

Test Mode	Test Channel	Frequency (MHz)	Level (dBuV/m)	Factor (dB)	Limit Line (dBuV/m)	Margin (dB)	Remark	Verdict
802.11b	Low	2390	55.11	32.61	74	18.89	PEAK	Pass
		2390	44.377	32.61	54	9.623	AVERAGE	Pass
	HIGH	2483.5	53.88	32.54	74	20.12	PEAK	Pass
		2483.5	N/A	N/A	54	N/A	AVERAGE	Pass
802.11g	Low	2390	55.956	32.61	74	18.044	PEAK	Pass
		2390	45.515	32.61	54	8.485	AVERAGE	Pass
	HIGH	2483.5	56.254	32.54	74	17.746	PEAK	Pass
		2483.5	45.585	32.54	54	8.415	AVERAGE	Pass
802.11n20	Low	2390	56.678	32.61	74	17.322	PEAK	Pass
		2390	45.618	32.61	54	8.382	AVERAGE	Pass
	HIGH	2483.5	56.02	32.54	74	17.98	PEAK	Pass
		2483.5	45.446	32.54	54	8.554	AVERAGE	Pass
802.11n40	Low	2390	54.508	32.61	74	19.492	PEAK	Pass
		2390	45.792	32.61	54	8.208	AVERAGE	Pass
	HIGH	2483.5	60.214	32.54	74	13.786	PEAK	Pass
		2483.5	46.583	32.54	54	7.417	AVERAGE	Pass

Test plots

8 inch

802.11b Mode:

LOW CHANNEL, PEAK



LOW CHANNEL, AV



HIGH CHANNEL, PEAK



HIGH CHANNEL, AV



802.11g Mode:

LOW CHANNEL, PEAK



LOW CHANNEL, AV

