

FCC/ISED

RF

TEST REPORT

ISSUED BY
Shenzhen BALUN Technology Co., Ltd.

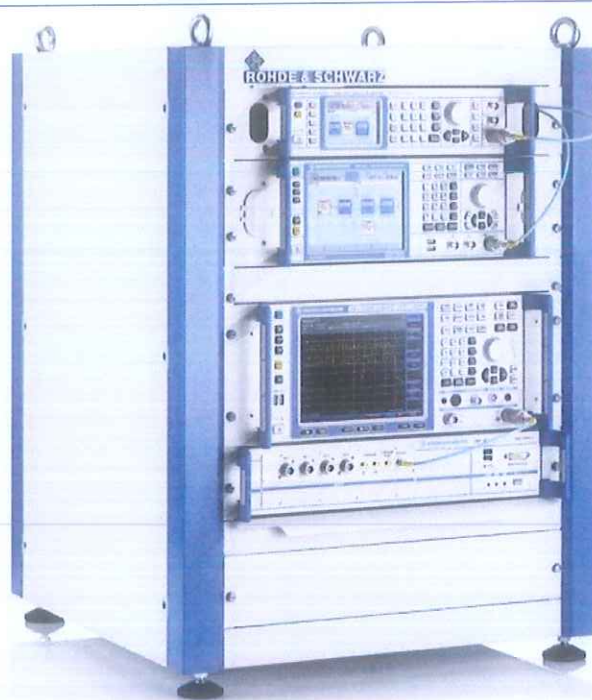


FOR

Fully Rugged Windows Tablet

ISSUED TO
Shenzhen UniStrong Science & Technology Co., Ltd

B, 4-4Factory, Zhengcheng Road, Fuyong Baoan District, Shenzhen,
China



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Date May 09, 2018

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Liao Jianming
(Technical Director)

Date May 09, 2018

Report No.: BL-EC1830163-604

EUT Name: Fully Rugged Windows Tablet

Model Name: UT50

Brand Name: UniStrong

Test Standard: 47 CFR Part 15 Subpart E

RSS-Gen (Issue 4, November 2014)

RSS-247 (Issue 2, February 2017)

FCC ID: 2AOPD-UT50

ISED Number: 11546A-UT50

Test Conclusion: Pass

Test Date: Apr. 05, 2018 ~ Apr. 12, 2018

Date of Issue: May 09, 2018

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Revision History

Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>Apr. 20, 2018</u>	<u>Initial Issue</u>
<u>Rev. 02</u>	<u>May 09, 2018</u>	<u>Update the data of the conduction part other than power.</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 v4.2.
- (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

Applicant	Shenzhen UniStrong Science & Technology Co., Ltd.
Address	B, 4-4Factory, Zhengcheng Road, Fuyong Baoan District, Shenzhen, China

2.2 Manufacturer

Manufacturer	Shenzhen UniStrong Science & Technology Co., Ltd.
Address	B, 4-4Factory, Zhengcheng Road, Fuyong Baoan District, Shenzhen, China

2.3 Factory

Factory	N/A
Address	N/A

2.4 General Description for Equipment under Test (EUT)

EUT Type	Fully Rugged Windows Tablet
Model Name Under Test	UT50
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	V4.0
Software Version	BIOS: R.AA.00.03.00/EC: R.AA.00.03.00/OS: R.AA.00.30.00
Network and Wireless connectivity	3G Network WCDMA/HSDPA/HSUPA Band 1/2/3/4/5/8 4G Network FDD LTE Band 1/2/3/4/5/7/8/12/13/20/25/26/30 TDD LTE Band 41 Bluetooth, WIFI, NFC, GPS, GLONASS, BDS

2.5 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	SJYEnergy
	Model No.	BA900
	Serial No.	N/A
	Capacity	2900 mAh
	Rated Voltage	11.4 V
	Limit Charge Voltage	13.05 V
Ancillary Equipment 2	Adapter	
	Brand Name	AK
	Model No.	AK65WG-1900342W1
	Serial No.	N/A
	Rated Input	100-240 V~, 1.5 A, 50/60 Hz
	Rated Output	19 V= 3.42 A
Ancillary Equipment 3	Power Line	
	Length (Approx.)	1.5 m

2.6 Technical Information

Frequency Range	Band I: 5150 MHz to 5250 MHz, Band IV: 5725 MHz to 5850 MHz
Product Type	☐ Mobile ☒ Portable ☐ Fix Location
Modulation technology	OFDM
Modulation Type	256QAM, 64QAM, 16QAM, BPSK, QPSK
Product Type	Indoor for IC standard Mobile and portable for FCC standard
Transfer Rate (Mbps) (Single RF path)	802.11a: 54/ 48/ 36 / 24 / 18/12 / 9/ 6 Mbps 802.11n: up to 150 Mbps 802.11ac: up to VHT-MCS9
Channel Bandwidth	802.11a: 20 MHz 802.11n: 20 MHz, 40 MHz 802.11ac: 20 MHz, 40 MHz, 80 MHz
Maximum Output Power	Band I: 12.76 dBm Band IV: 13.29 dBm
Antenna Type	PIFA Antenna
Antenna Gain	Band I: 5150 MHz to 5250 MHz: 1.32 dBi Band IV: 5725 MHz to 5850 MHz: 2.01 dBi
About the Product	The equipment is Fully Rugged Windows Tablet, intended for used with information technology equipment.

2.7 Channel List

20 MHz		40 MHz		80 MHz	
Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)
36	5180	38	5190	42	5210
40	5200	46	5230	155	5775
44	5220	151	5755		
48	5240	159	5795		
149	5745				
153	5765				
157	5785				
161	5805				
165	5825				

Note: Until further notice, devices subject to this section shall not be capable of transmitting in the band 5600-5650 MHz. This restriction is for the protection of weather radars operating in this band.

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

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

Band I (5150 - 5250 MHz)			Band IV (5725 - 5850 MHz)		
Channel Number	Channel Number	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
36	Low	5180	149	Low	5745
44	Mid	5220	157	Mid	5785
48	High	5240	165	High	5825

For 802.11n (HT40), 802.11ac(VHT40)

Band I (5150 - 5250 MHz)			Band IV (5725 - 5850 MHz)		
Channel Number	Channel Number	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
38	Low	5190	151	Low	5755
46	High	5230	159	High	5795

For 802.11ac(HT80)

Band I (5150 - 5250 MHz)			Band IV (5725 - 5850 MHz)		
Channel Number	Channel Number	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
42	Low	5210	155	Low	5775

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

Test Items	Mode	Data Rate	Modulation Type	Band I	Band IV
				Channel	Channel
RF Output Power	11a	6	BPSK	48/44/36	165/157/149
	11n(20 MHz)	6.5		48/44/36	165/157/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	MCS0		42	155
Emission Bandwidth & 99% Occupied Bandwidth	11a	6	BPSK	48/44/36	165/157/149
	11n(20 MHz)	6.5		48/44/36	165/157/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	VHT-MCS0		42	155
6 dB bandwidth	11a	6	BPSK	N/A	165/157/149
	11n(20 MHz)	6.5		N/A	165/157/149
	11n(40 MHz)	13.5		N/A	159/151
	11ac(80 MHz)	MCS0		N/A	155
Power Spectral Density	11a	6	BPSK	48/44/36	165/157/149
	11n(20 MHz)	6.5		48/44/36	165/157/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	MCS0		42	155
Conducted Spurious Emission and Band Edge (Authorized-band)	11a	6	BPSK	48/44/36	165/157/149
	11n(20 MHz)	6.5		48/44/36	165/157/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	MCS0		42	155
Radiated Spurious Emissions	11a	6	BPSK	48/44/36	165/157/149
	11n(20 MHz)	6.5		48/44/36	165/157/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	MCS0		42	155
Band Edge (Restricted-band)	11a	6	BPSK	48/36	165/149
	11n(20 MHz)	6.5		48/36	165/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	MCS0		42	155
Frequency Stability	Unmodulated	N/A	N/A	N/A	N/A

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15 Subpart E (10-1-16 Edition)	Unlicensed National Information Infrastructure Devices
2	KDB Publication 789033 D02v01r04	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
3	KDB Publication 662911 D01v02r01	Emissions Testing of Transmitters with Multiple Outputs in the Same Band (e.g., MIMO, Smart Antenna, etc)
4	RSS-Gen (Issue 4, Nov. 2014)	General Requirements for Compliance of Radio Apparatus
5	RSS-247 (Issue 2, February 2017)	Digital Transmission Systems (DTSs), Frequency Hopping Systems(FHSs) and Licence-Exemp Local Area Network (LE-LAN) Devices
6	ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices

3.2 Verdict

No.	Description	FCC Part No.	RSS Part No.	Test Result	Verdict
1	Antenna Requirement	15.203	RSS-247, 6.2	--	Pass ^{Note1}
2	RF Output Power	15.407(a)	RSS-247, 6.2	ANNEX A.1	Pass
3	Emission Bandwidth & 99% Occupied Bandwidth	15.407(a)	RSS-247, 6.2	ANNEX A.2	Pass
4	6 dB bandwidth	15.407(e)	RSS-247, 6.2	ANNEX A.3	Pass
5	Power Spectral Density	15.407(a)	RSS-247, 6.2	ANNEX A.4	Pass
6	Conducted Emission	15.207	RSS-GEN, 8.8	ANNEX A.5	Pass
7	Conducted Spurious Emission and Band Edge (Authorized-band)	15.407(b) 15.209	RSS-247, 6.2	ANNEX A.6	Pass
8	Radiated Spurious Emissions and Band Edge (Restricted-band)	15.407(b)	RSS-247, 6.2	ANNEX A.7	Pass
9	Frequency Stability	15.407(g)	--	ANNEX A.8	Pass
10	Receiver Spurious Emissions	--	RSS-Gen, 7.1.2	--	N/A ^{Note2}

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

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

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

Relative Humidity	45% to 55%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+22°C to +25°C
	LT (Low Temperature)	-20°C
	HT (High Temperature)	+55°C
Working Voltage of the EUT	NV (Normal Voltage)	11.4 V
	LV (Low Voltage)	11.1 V
	HV (High Voltage)	13.05 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-30	103118	2017.06.12	2018.06.11
Switch Unit with OSP-B157	ROHDE&SCHWARZ	OSP120	101270	2017.06.12	2018.06.11
EMI Receiver	KEYSIGHT	N9038A	MY53220118	2017.09.07	2018.09.06
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2017.06.22	2018.06.21
LISN	SCHWARZBECK	NSLK 8127	8127-687	2017.06.22	2018.06.21
Bluetooth Tester	ROHDE&SCHWARZ	CBT	101005	2017.06.12	2018.06.11
Power Splitter	KMW	DCPD-LDC	1305003215	--	--
Power Sensor	ROHDE&SCHWARZ	NRP-Z21	103971	2017.06.12	2018.06.11
Attenuator (20 dB)	KMW	ZA-S1-201	110617091	--	--
Attenuator (6 dB)	KMW	ZA-S1-61	1305003189	--	--
DC Power Supply	ROHDE&SCHWARZ	HMP2020	018141664	2017.06.22	2018.06.21
Temperature Chamber	ANGELANTIONI SCIENCE	NTH64-40A	1310	2017.06.22	2018.06.21
Test Antenna-Loop(9 kHz-30 MHz)	SCHWARZBECK	FMZB 1519	1519-037	2017.06.22	2018.06.21
Test Antenna-Bi-Log(30 MHz-3 GHz)	SCHWARZBECK	VULB 9163	9163-624	2017.11.07	2019.11.08
Test Antenna-Horn(1-18 GHz)	SCHWARZBECK	BBHA 9120D	9120D-1148	2017.07.22	2019.07.21
Test Antenna-Horn(15-26.5 GHz)	SCHWARZBECK	BBHA 9170	9170-305	2016.07.12	2018.07.11
Test Antenna-Horn (18-40 GHz)	A-INFO	LB-180400KF	J211060273	2017.01.07	2019.01.06
Anechoic Chamber	RAINFORD	9m*6m*6m	N/A	2017.02.21	2019.02.20
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60*7.35m	N/A	2016.08.09	2018.08.08
Shielded Enclosure	ChangNing	CN-130701	130703	--	--
Signal Generator	ROHDE&SCHWARZ	SMB100A	177746	2017.06.12	2018.06.11
Power Amplifier	OPHIR RF	5225F	1037	2018.02.17	2019.02.16

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Power Amplifier	OPHIR RF	5273F	1016	2018.02.17	2019.02.16
Directional Coupler	Werlantone	C5982-10	109275	N/A	N/A
Directional Coupler	Werlantone	CHP-273E	S00801z-01	N/A	N/A
Feld Strength Meter	Narda	EP601	511WX51129	2017.05.22	2018.05.21
Mouth Simulator	B&K	4227	2423931	2017.11.16	2018.11.15
Sound Calibrator	B&K	4231	2430337	2017.11.16	2018.11.15
Sound Level Meter	B&K	NL-20	00844023	2017.11.16	2018.11.15
Ear Simulator	B&K	4185	2409449	2017.11.16	2018.11.15
Ear Simulator	B&K	4195	2418189	2017.11.16	2018.11.15
Audio analyzer	B&K	UPL 16	100129	2017.11.16	2018.11.15

4.3 Measurement Uncertainty

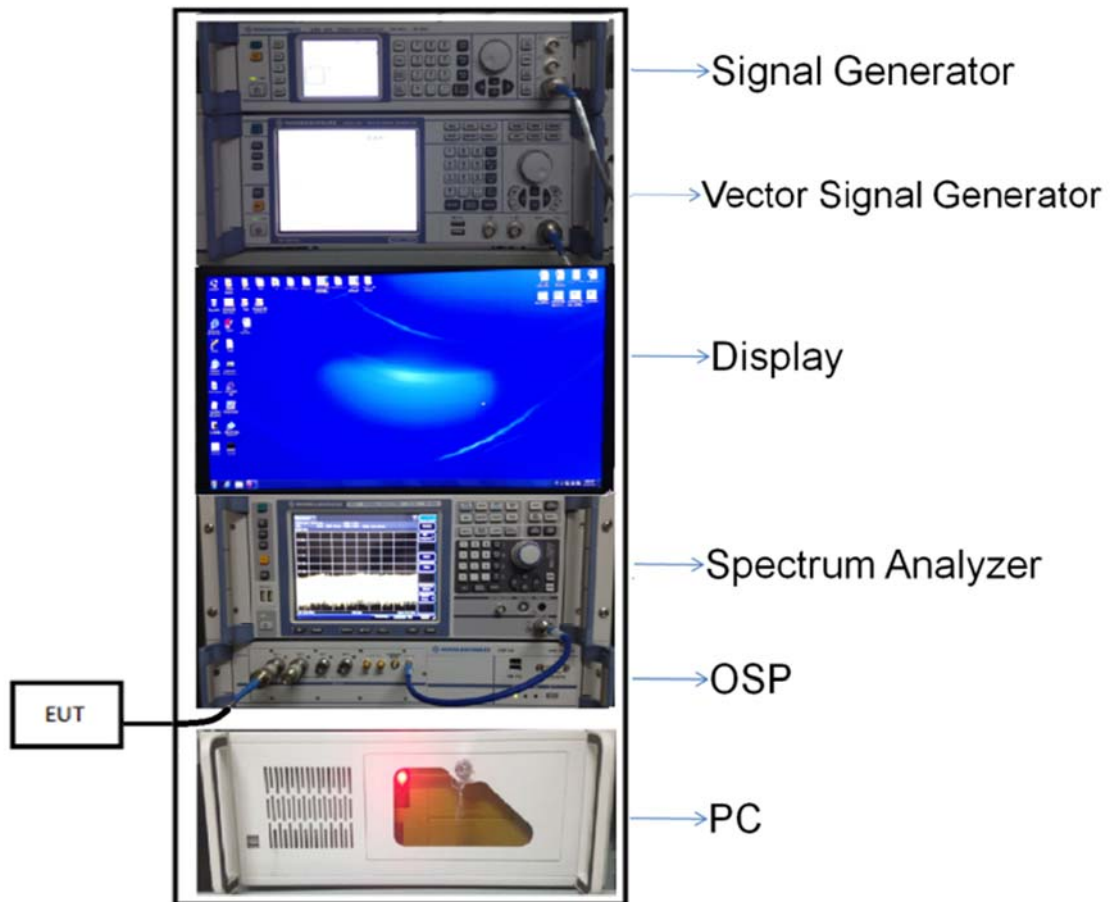
The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2.

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%

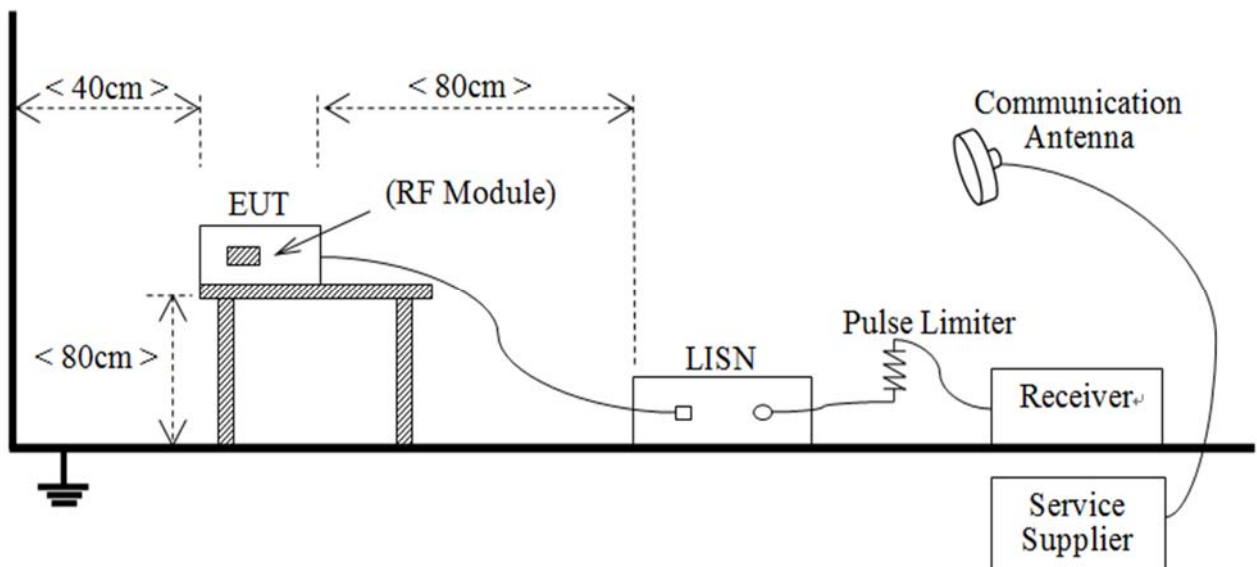
4.4 Description of Test Setup

4.4.1 For Antenna Port Test



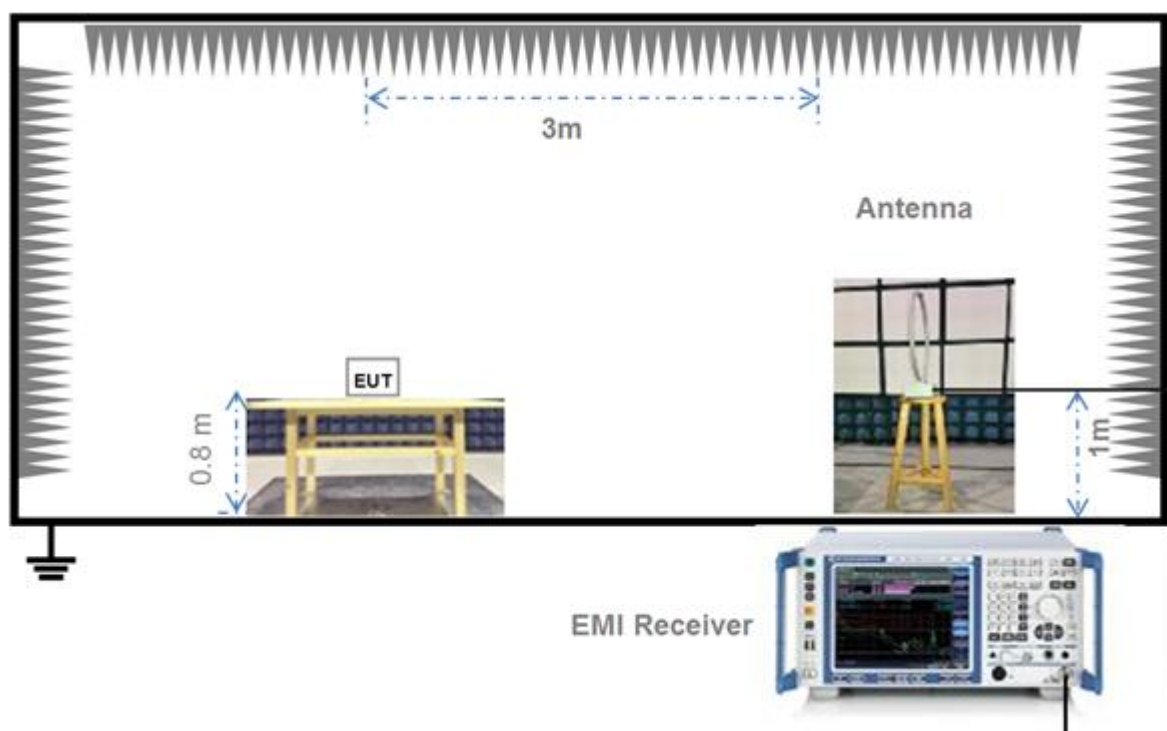
(Diagram 1)

4.4.2 For AC Power Supply Port Test



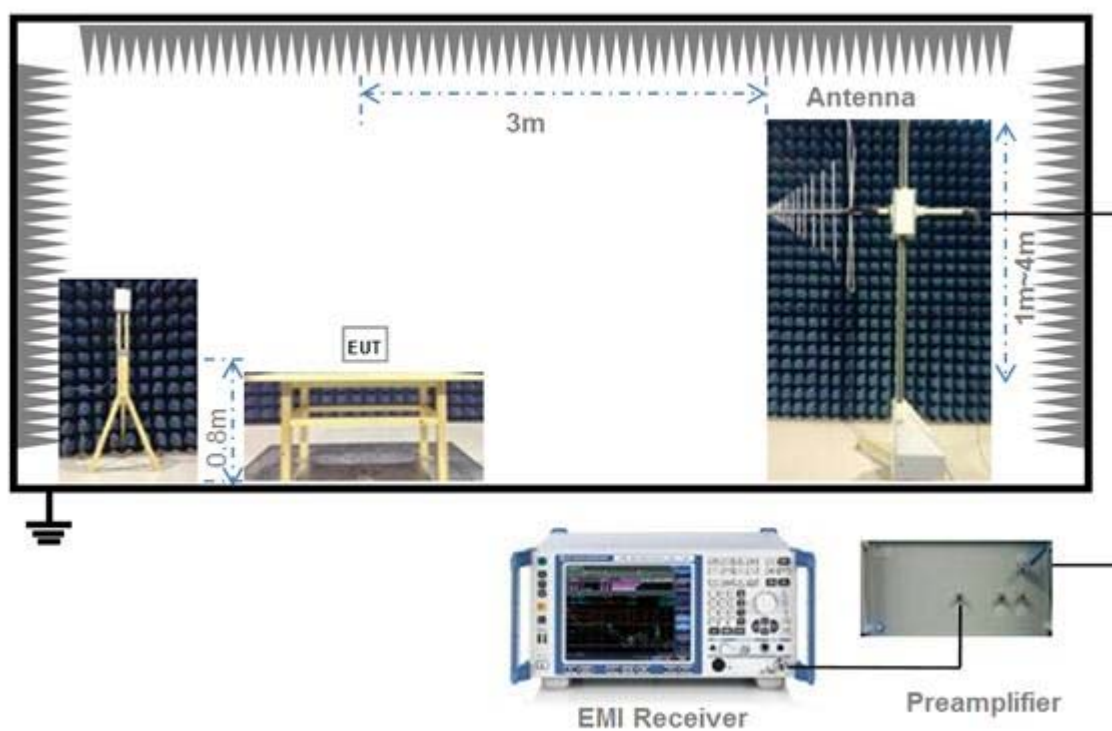
(Diagram 2)

4.4.3 For Radiated Test (Below 30 MHz)



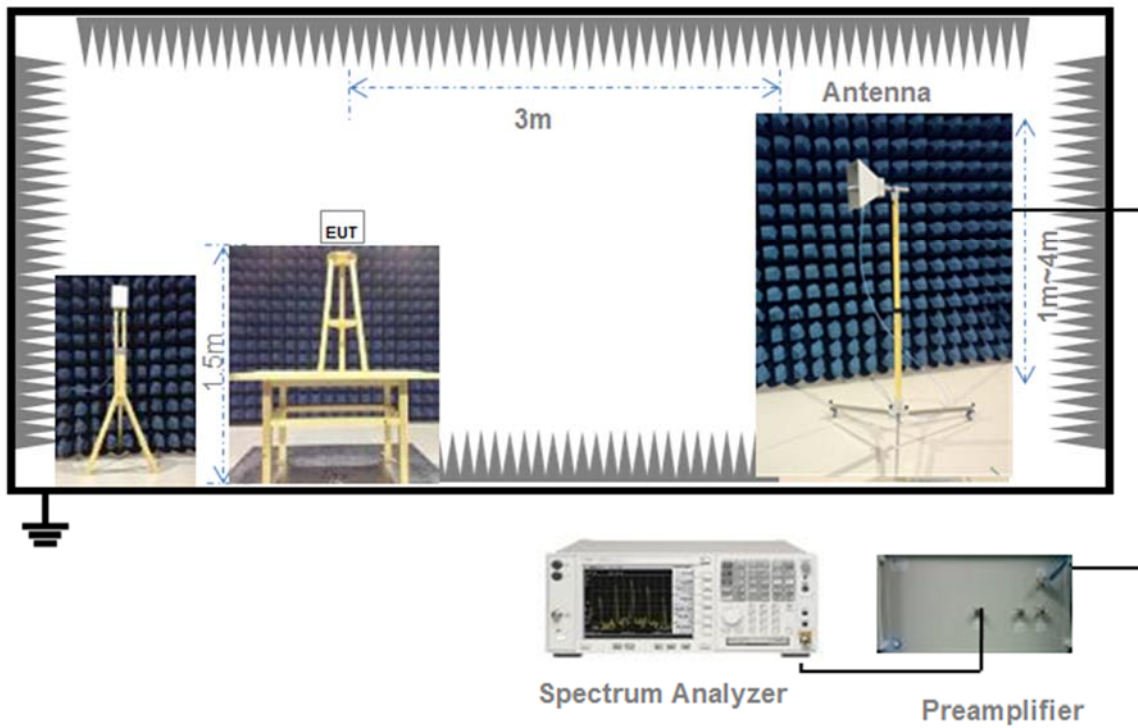
(Diagram 3)

4.4.4 For Radiated Test (30 MHz-1 GHz)



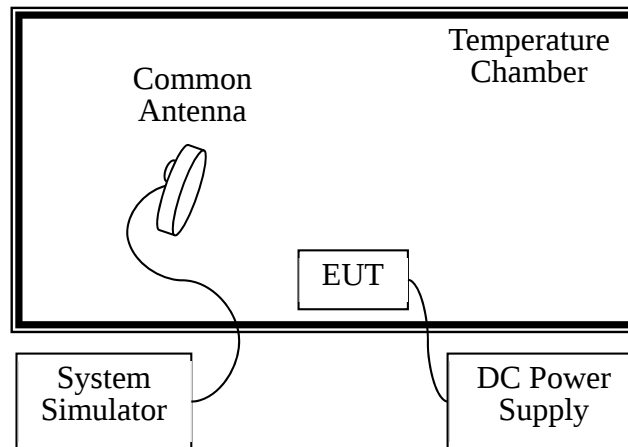
(Diagram 4)

4.4.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

4.4.6 For Frequency Stability Test



(Diagram 6)

5 TEST ITEMS

5.1 RF Output Power

5.1.1 Test Limit

FCC §15.407(a)

The maximum conducted output power should not exceed:

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

RSS-247, 6.2

The maximum conducted output power shall not exceed:

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

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

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

5.1.2 Test Setup

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

5.1.3 Test Procedure

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

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

5.1.4 Test Result

Please refer to ANNEX A.1.

5.2 Emission Bandwidth and 6 dB Bandwidth

5.2.1 Limit

FCC §15.407(a), RSS-247, 6.2

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

5.2.2 Test Setup

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

5.2.3 Test Procedure

Emission bandwidth

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

Occupied Bandwidth

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

6 dB bandwidth

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

5.2.4 Test Result

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

5.3 Power Spectral density (PSD)

5.3.1 Limit

FCC §15.407(a)

The maximum power spectral density should not exceed:

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

RSS-247, 6.2

The maximum power spectral density should not exceed:

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

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

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

5.3.2 Test Setup

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

5.3.3 Test Procedure

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

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

5.3.4 Test Result

Please refer to ANNEX A.4.

5.4 Conducted Emission

5.4.1 Limit

FCC §15.207, RSS-GEN, 8.8

For an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency within the 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

5.4.2 Test Setup

The section 4.4.2 (Diagram 2) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.4.3 Test Procedure

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

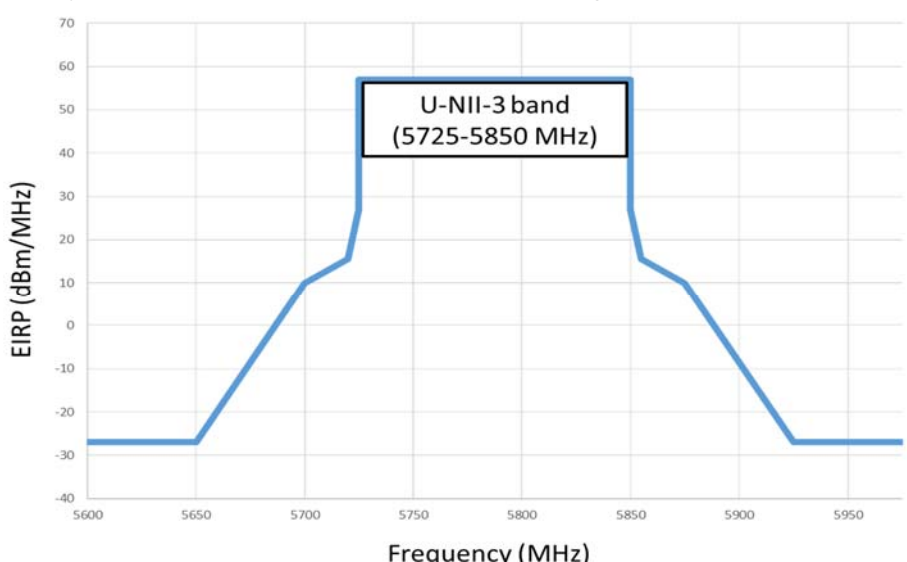
5.4.4 Test Result

Please refer to ANNEX A.5.

5.5 Conducted Spurious Emission and Band Edge (Authorized-band)

5.5.1 Limit

FCC §15.407(b)

Un-restricted band emissions	
Frequency Band (MHz)	Limit
5150 - 5250	Outside of the 5.15-5.35 GHz band: e.i.r.p. -27 dBm
5250 - 5350	Outside of the 5.15-5.35 GHz band: e.i.r.p. -27 dBm
5470 - 5725	Outside of the 5.47-5.725 GHz band: e.i.r.p. -27 dBm
5725 - 5850	All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge. 

RSS-247, 6.2

Un-restricted band emissions	
Frequency Band (MHz)	Limit
5150 - 5250	Outside of the 5.15-5.35 GHz band: e.i.r.p. -27 dBm, However, any unwanted emissions that fall into the band 5250-5350 MHz must be 26 dBc, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth, above 5.25 GHz.
5250 - 5350	Outside of the 5.15-5.35 GHz band: e.i.r.p. -27 dBm. And any emissions within the band 5150-5250 MHz shall meet the power spectral density limits of 10 dBm/MHz, The device shall be labelled "for indoor use only."
5470 - 5725	Outside of the 5.47-5.725 GHz band: e.i.r.p. -27 dBm
5725 - 5850	5715 -5725 MHz: e.i.r.p. -17 dBm 5850 -5860 MHz: e.i.r.p. -17 dBm Other un-restricted band: e.i.r.p. -27 dBm

5.5.2 Test Setup

See section 4.4.2 (Diagram 2) for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.5.3 Test Procedure

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.

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

Allow the trace to stabilize

5.5.4 Test Result

Please refer to ANNEX A.6.

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

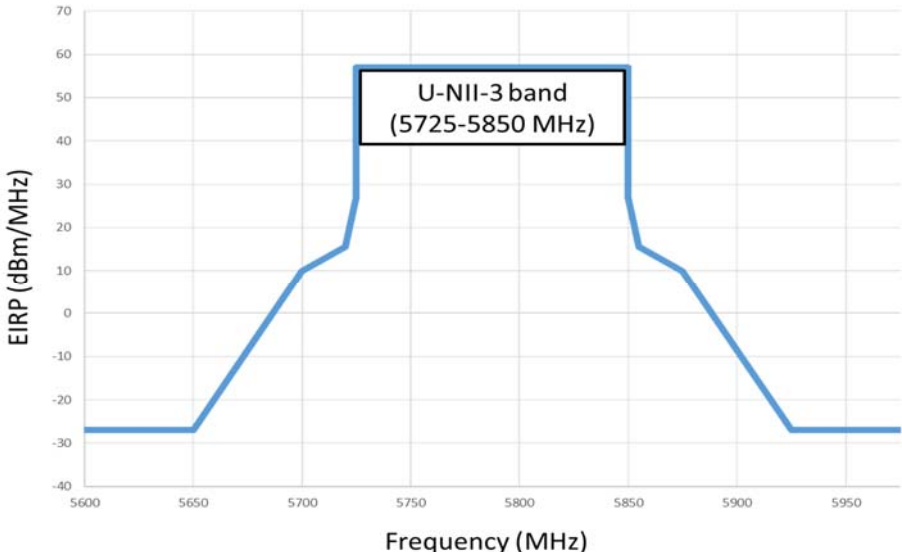
5.6.1 Limit

FCC §15.209 & 15.407(b), RSS-247, 6.2

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

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

Note²: The tighter limit applies at the band edge.

Un-restricted band emissions	
Out Operating Band (MHz)	Limit
5150 - 5250	e.i.r.p. -27 dBm (68.2 dBuV/m@3m)
5250 - 5350	e.i.r.p. -27 dBm (68.2 dBuV/m@3m)
5470 - 5725	e.i.r.p. -27 dBm (68.2 dBuV/m@3m)
5725 - 5850	All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.  The graph plots EIRP (dBm/MHz) on the y-axis (ranging from -40 to 70) against Frequency (MHz) on the x-axis (ranging from 5600 to 5950). A blue line represents the limit, showing a flat region at -27 dBm/MHz from 5600 to 5650 MHz, a linear increase to 27 dBm/MHz at 5725 MHz, a flat top at 27 dBm/MHz from 5725 to 5850 MHz, a linear decrease to -27 dBm/MHz at 5925 MHz, and a flat region at -27 dBm/MHz from 5925 to 5950 MHz. A label 'U-NII-3 band (5725-5850 MHz)' is placed above the flat top.

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

5.6.2 Test Setup

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

setup please refer to ANNEX B.

5.6.3 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

5.6.4 Test Result

Please refer to ANNEX A.7 and Please refer to ANNEX A.9

5.7 Frequency Stability

5.7.1 Limit

FCC §15.407(g)

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

5.7.2 Test Setup

The section 4.4.6 (Diagram 6) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.7.3 Test Procedure

The EUT is installed in an environment test chamber with external power source.

Set the chamber to operate at 50 centigrade and external power source to output at nominal voltage of EUT.

A sufficient stabilization period at each temperatures is used prior to each frequency measurement.

When temperature is stabled, measure the frequency stability.

The test shall be performed under -30 to 50 centigrade and 85 to 115 percent of the nominal voltage.

Change setting of chamber and external power source to complete all conditions.

5.7.4 Test Result

Please refer to ANNEX A.8.

ANNEX A TEST RESULT

A.1 RF Output Power

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

Test Data

Conducted Power

Band I (5150 - 5250 MHz)						
Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	5180	12.46	17.62	250	Pass
11a	CH44	5220	12.39	17.34	250	Pass
11a	CH48	5240	12.76	18.88	250	Pass
11n (HT20)	CH36	5180	12.36	17.22	250	Pass
11n (HT20)	CH44	5220	12.26	16.83	250	Pass
11n (HT20)	CH48	5240	12.36	17.22	250	Pass
11n (HT40)	CH38	5190	12.09	16.18	250	Pass
11n (HT40)	CH46	5230	12.45	17.58	250	Pass
11ac (HT80)	CH42	5210	12.35	17.18	250	Pass

Band IV (5725 - 5850 MHz)						
Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (W)	Verdict
11a	CH149	5745	12.45	17.58	1.00	Pass
11a	CH157	5785	12.98	19.86	1.00	Pass
11a	CH165	5825	12.96	19.77	1.00	Pass
11n (HT20)	CH149	5745	12.51	17.82	1.00	Pass
11n (HT20)	CH157	5785	12.78	18.97	1.00	Pass
11n (HT20)	CH165	5825	13.29	21.33	1.00	Pass
11n (HT40)	CH151	5755	12.43	17.50	1.00	Pass
11n (HT40)	CH159	5795	12.33	17.10	1.00	Pass
11ac (HT80)	CH155	5775	12.49	17.74	1.00	Pass

EIRP Power

Band I (5150 - 5250 MHz)								
Note 1: The limit is 200 mW or 10 dBm + 10log B, whichever is less. Where "B" is the 99% emissions bandwidth in MHz (Please refer to the section A.2).								
Mode	Channel	Frequency (MHz)	EIRP Power (dBm)	EIRP Power (mW)	99% EBW (MHz)	10 dBm + 10log B (mW)	IC Limit (mW)	Verdict
11a	CH36	5180	13.78	23.88	16.9	23.78	164	Pass
11a	CH44	5220	13.71	23.50	16.9	23.71	165	Pass
11a	CH48	5240	14.08	25.59	17.5	24.08	166	Pass
11n (HT20)	CH36	5180	13.68	23.33	18.1	23.68	176	Pass
11n (HT20)	CH44	5220	13.58	22.80	18.6	23.58	176	Pass
11n (HT20)	CH48	5240	13.68	23.33	18.5	23.68	176	Pass
11n (HT40)	CH38	5190	13.41	21.93	36.4	23.41	200	Pass
11n (HT40)	CH46	5230	13.77	23.82	37.1	23.77	200	Pass
11ac (HT80)	CH42	5210	13.67	23.28	75.6	23.67	200	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-EC1830163-604 Data Part 1.pdf”.

Test Data

Band I (5150 - 5250 MHz)				
Mode	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	5180	19.52	16.80
11a	CH44	5220	19.52	16.50
11a	CH48	5240	19.52	16.50
11n (HT20)	CH36	5180	20.00	17.71
11n (HT20)	CH44	5220	20.08	17.66
11n (HT20)	CH48	5240	20.04	17.60
11n (HT40)	CH38	5190	40.80	36.35
11n (HT40)	CH46	5230	40.20	36.24
11ac (VHT20)	CH36	5180	20.00	17.71
11ac (VHT20)	CH44	5220	19.96	17.71
11ac (VHT20)	CH48	5240	20.04	17.66
11ac (VHT40)	CH38	5190	40.60	36.24
11ac (VHT40)	CH46	5230	40.30	36.24
11ac (VHT80)	CH42	5210	81.40	75.72

Band IV (5725 - 5850 MHz)				
Mode	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	5745	0.00	16.50
11a	CH157	5785	0.00	16.56
11a	CH165	5825	0.00	16.56
11n (HT20)	CH149	5745	0.00	17.66
11n (HT20)	CH157	5785	0.00	17.66
11n (HT20)	CH165	5825	0.00	17.77
11n (HT40)	CH151	5755	0.00	36.35
11n (HT40)	CH159	5795	0.00	36.35
11ac (VHT20)	CH149	5745	0.00	17.66
11ac (VHT20)	CH157	5785	0.00	17.71
11ac (VHT20)	CH165	5825	0.00	17.71
11ac (VHT40)	CH151	5755	0.00	36.12
11ac (VHT40)	CH159	5795	0.00	36.24
11ac (VHT80)	CH155	5775	0.00	75.49

A.3 6 dB Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-EC1830163-604 Data Part 2.pdf".

Test Data

Band IV (5725 - 5850 MHz)					
Mode	Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	5745	14.17	0.5	Pass
11a	CH157	5785	16.42	0.5	Pass
11a	CH165	5825	16.47	0.5	Pass
11n (HT20)	CH149	5745	17.72	0.5	Pass
11n (HT20)	CH157	5785	17.72	0.5	Pass
11n (HT20)	CH165	5825	17.72	0.5	Pass
11n (HT40)	CH151	5755	35.57	0.5	Pass
11n (HT40)	CH159	5795	33.27	0.5	Pass
11n (HT20)	CH149	5745	15.77	0.5	Pass
11n (HT20)	CH157	5785	17.72	0.5	Pass
11n (HT20)	CH165	5825	17.67	0.5	Pass
11n (HT40)	CH151	5755	34.87	0.5	Pass
11n (HT40)	CH159	5795	30.77	0.5	Pass
11ac (VHT80)	CH155	5775	72.67	0.5	Pass

A.4 Power Spectral Density

Note: Test plots please refer to the document “Annex No.: BL-EC1830163-604 Data Part 3.pdf”.

Test Data

Band I (5150 - 5250 MHz)					
Mode	Channel	Frequency (MHz)	PSD (dBm/MHz)	FCC Limit(dBm/MHz)	Verdict
11a	CH36	5180	8.02	11	Pass
11a	CH44	5220	8.17	11	Pass
11a	CH48	5240	7.93	11	Pass
11n (HT20)	CH36	5180	7.79	11	Pass
11n (HT20)	CH44	5220	7.34	11	Pass
11n (HT20)	CH48	5240	7.87	11	Pass
11n (HT40)	CH38	5190	5.03	11	Pass
11n (HT40)	CH46	5230	6.74	11	Pass
11ac (VHT20)	CH36	5180	7.83	11	Pass
11ac(VHT20)	CH44	5220	7.74	11	Pass
11ac(VHT20)	CH48	5240	7.42	11	Pass
11ac (VHT40)	CH38	5190	5.56	11	Pass
11ac (VHT40)	CH46	5230	6.64	11	Pass
11ac (VHT80)	CH42	5210	3.89	11	Pass

Band IV (5725 - 5850 MHz)					
Mode	Channel	Frequency (MHz)	PSD (dBm/MHz)	FCC Limit(dBm/MHz)	Verdict
11a	CH149	5745	4.19	30	Pass
11a	CH157	5785	4.55	30	Pass
11a	CH165	5825	4.60	30	Pass
11n (HT20)	CH149	5745	4.30	30	Pass
11n (HT20)	CH157	5785	4.26	30	Pass
11n (HT20)	CH165	5825	4.29	30	Pass
11n (HT40)	CH151	5755	-2.58	30	Pass
11n (HT40)	CH159	5795	-2.46	30	Pass
11ac (VHT20)	CH149	5745	4.81	30	Pass
11ac(VHT20)	CH157	5785	4.57	30	Pass
11ac(VHT20)	CH165	5825	4.24	30	Pass
11ac (VHT40)	CH151	5755	-2.12	30	Pass
11ac (VHT40)	CH159	5795	-1.99	30	Pass
11ac (VHT80)	CH155	5775	-2.17	30	Pass

EIRP PSD

Band I (5150 - 5250 MHz)					
Mode	Channel	Frequency (MHz)	PSD (dBm/MHz)	IC Limit (dBm/MHz)	Verdict
11a	CH36	5180	9.34	10	Pass
11a	CH44	5220	9.49	10	Pass
11a	CH48	5240	9.25	10	Pass
11n (HT20)	CH36	5180	9.11	10	Pass
11n (HT20)	CH44	5220	8.66	10	Pass
11n (HT20)	CH48	5240	9.19	10	Pass
11n (HT40)	CH38	5190	6.35	10	Pass
11n (HT40)	CH46	5230	8.06	10	Pass
11ac (VHT20)	CH36	5180	9.15	10	Pass
11ac(VHT20)	CH44	5220	9.06	10	Pass
11ac(VHT20)	CH48	5240	8.74	10	Pass
11ac (VHT40)	CH38	5190	6.88	10	Pass
11ac (VHT40)	CH46	5230	7.96	10	Pass
11ac (VHT80)	CH42	5210	5.21	10	Pass

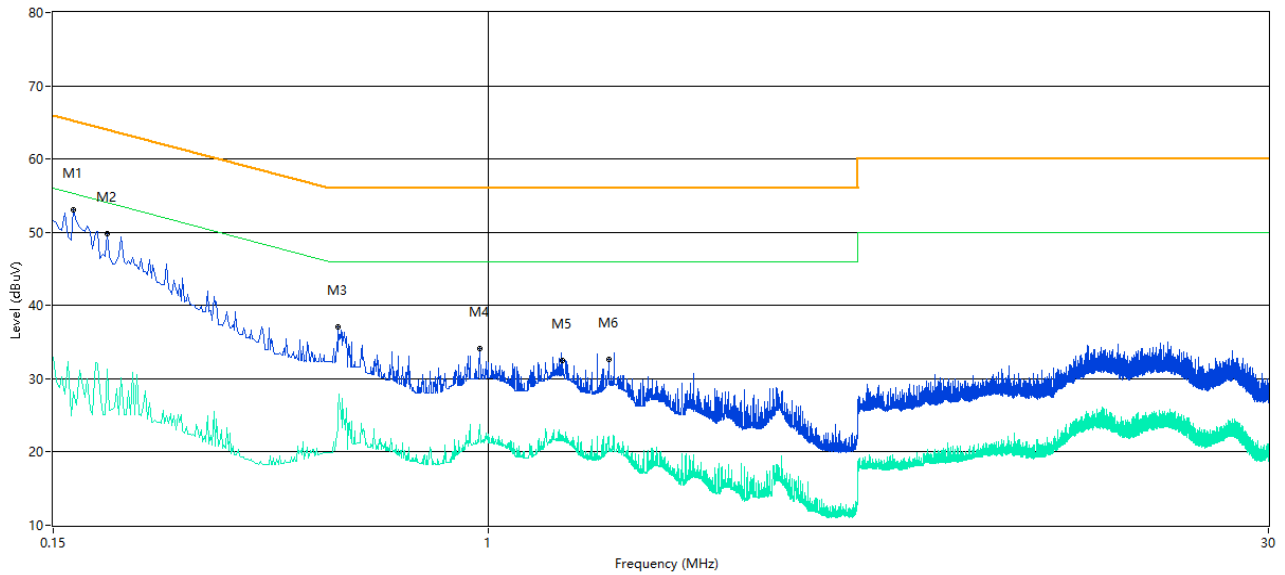
A.5 Conducted Emissions

Note ¹: The EUT is working in the Normal link mode.

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

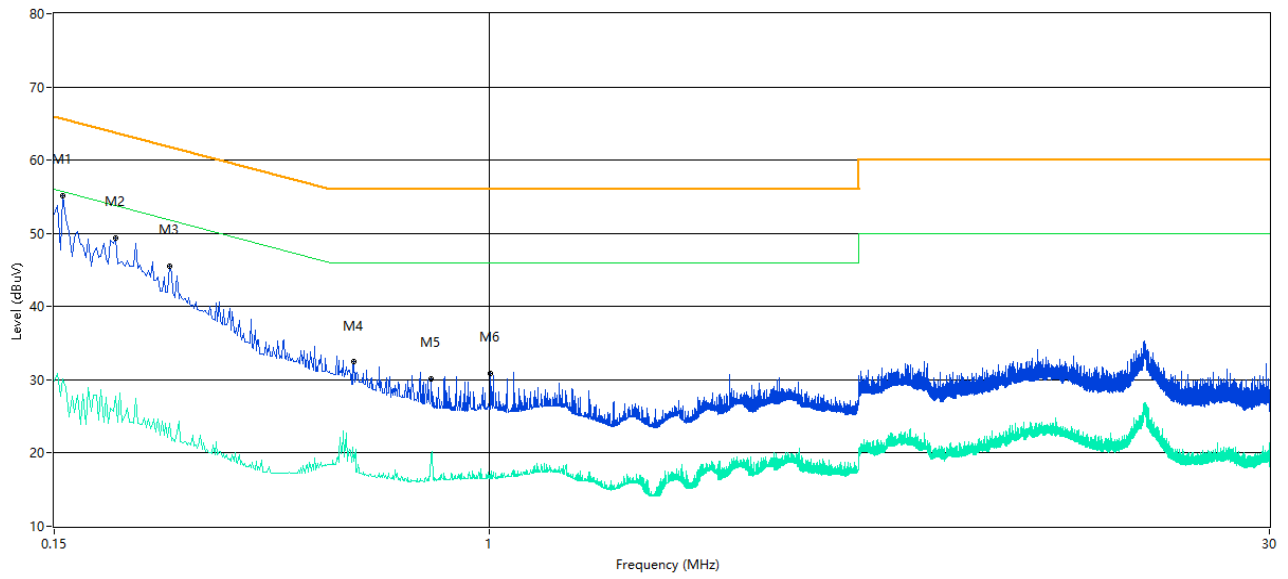
Test Data and Plots

PHASE L



Frequency (MHz)	Peak Level (dBuV)	Q-peak Level (dBuV)	Average Level (dBuV)	Factor (dB)	QP Limit (dBuV)	AV Limit (dBuV)	Margin (dB)	Line	Verdict
0.164	56.98	48.07	32.52	10.01	65.3	55.3	17.23	L Line	Pass
0.190	53.82	45.45	29.39	10.01	64.0	54.0	18.55	L Line	Pass
0.520	39.47	32.77	26.03	10.02	56.0	46.0	19.97	L Line	Pass
0.964	35.48	27.46	22.25	10.03	56.0	46.0	23.75	L Line	Pass
1.382	33.44	27.08	21.76	10.05	56.0	46.0	24.24	L Line	Pass
1.692	33.47	26.05	21.26	10.06	56.0	46.0	24.74	L Line	Pass

PHASE N



Frequency (MHz)	Peak Level (dBuV)	Q-peak Level (dBuV)	Average Level (dBuV)	Factor (dB)	QP Limit (dBuV)	AV Limit (dBuV)	Margin (dB)	Line	Verdict
0.156	56.06	47.96	29.66	10.00	65.7	55.7	17.74	N Line	Pass
0.196	51.69	43.67	27.26	10.01	63.8	53.8	20.13	N Line	Pass
0.248	46.81	37.70	23.83	10.01	61.8	51.8	24.10	N Line	Pass
0.554	34.59	26.93	20.25	10.02	56.0	46.0	25.75	N Line	Pass
0.776	34.16	26.21	22.89	10.03	56.0	46.0	23.11	N Line	Pass
1.006	31.78	21.94	16.80	10.03	56.0	46.0	29.20	N Line	Pass

A.6 Conducted Spurious Emission and Band Edge (Authorized-band)

Note: Test plots please refer to the document “Annex No.: BL-EC1830163-604 Data Part 4.pdf”.

Test Band	Mode	Channel	Verdict
Band I	802.11a	Low	Pass
		Middle	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		Middle	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(HT80)	Low	Pass
Band IV	802.11a	Low	Pass
		Middle	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		Middle	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(HT80)	Low	Pass

A.7 Radiated Spurious Emissions and Band Edge (Restricted-band)

Test Data

Cabinet Radiated spurious emission test

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

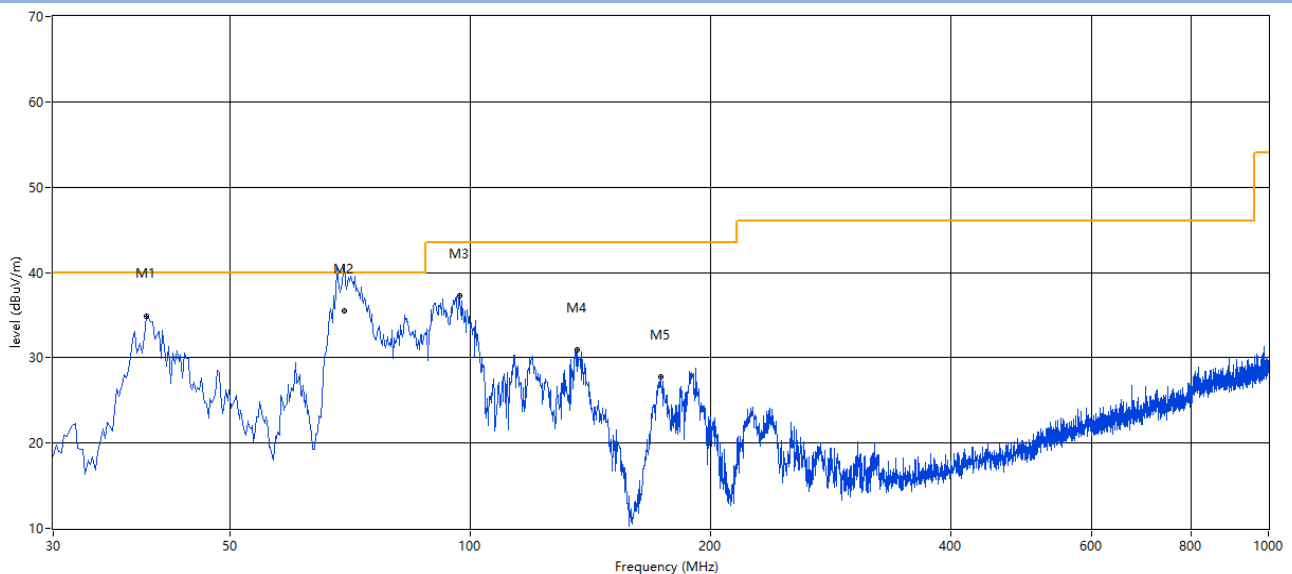
Note²: For the test data above 1 GHz, According the ANSI C63.4, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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.

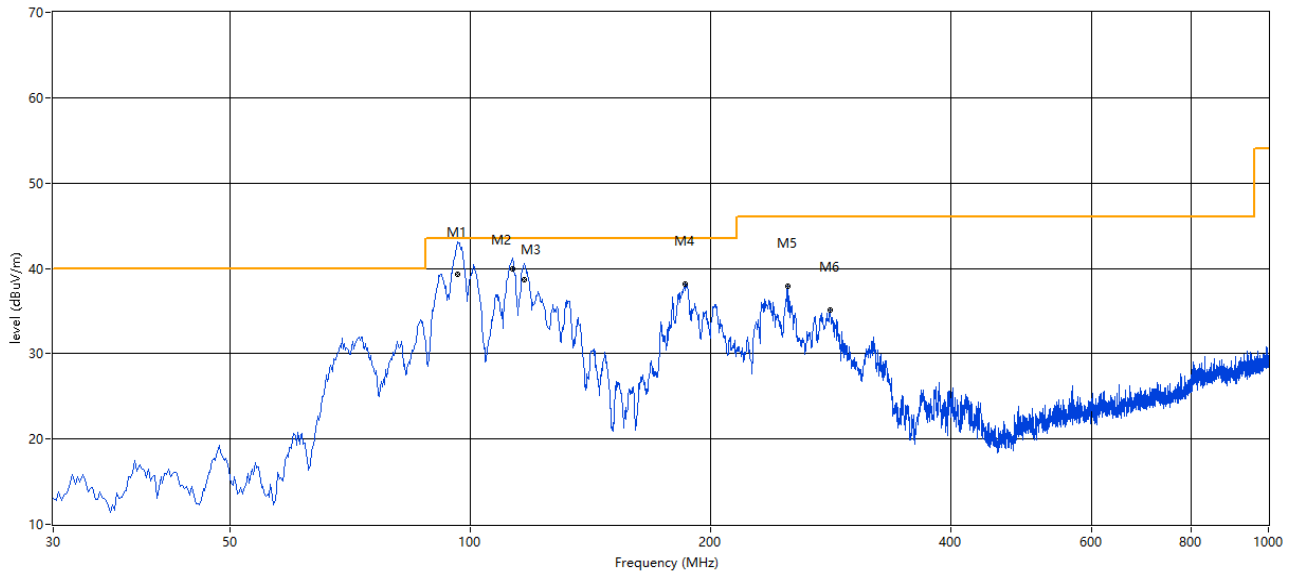
Note⁵: For Multiple transmitter output, the quantity $10 \log (NANT)$ dB is added to each spectrum value before comparing to the emission limit. When testing out-of-band and spurious emissions against relative emission limits, tests may be performed on each output individually without summing or adding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

30 MHz to 1 GHz, ANT V



Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
39.213	34.91	--	--	-27.31	--	40.0	--	5.09	158.60	100	Vertical	Pass
69.331	41.53	35.46	--	-30.72	--	40.0	--	4.54	307.50	100	Vertical	Pass
96.913	37.33	--	--	-29.05	--	43.5	--	6.17	255.50	100	Vertical	Pass
135.946	30.95	--	--	-31.62	--	43.5	--	12.55	155.60	100	Vertical	Pass
173.039	27.70	--	--	-30.54	--	43.5	--	15.80	129.70	100	Vertical	Pass

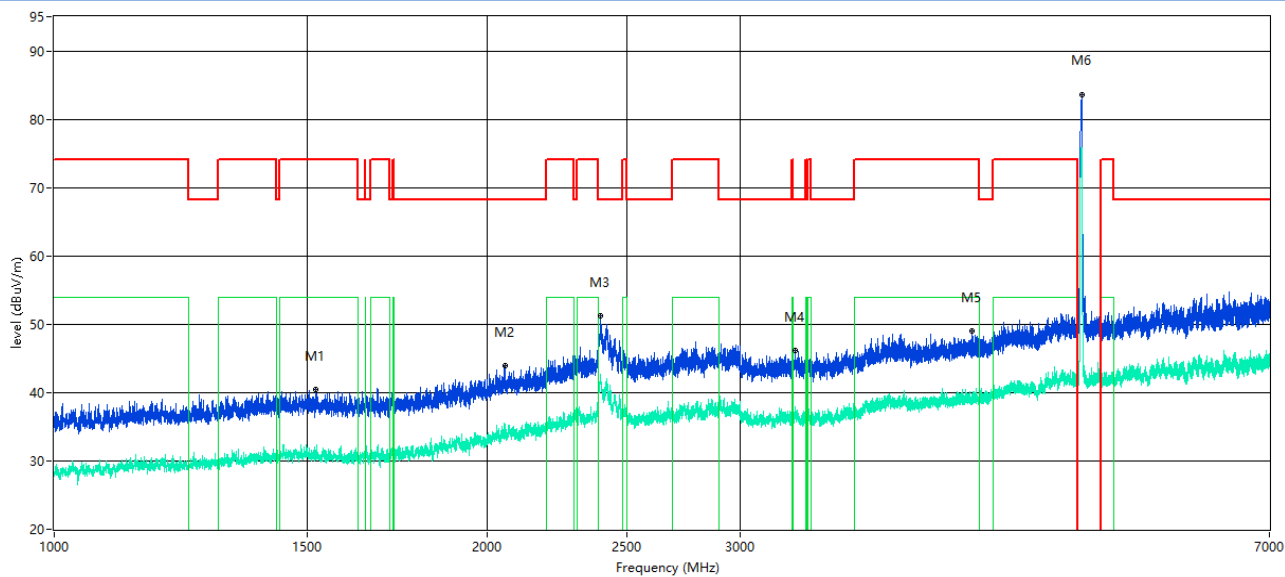
30 MHz to 1 GHz, ANT H



Note¹: The device was evaluated/tested in XYZ orientation for radiated spurious emissions. And only the worst orientation of EUT was reported, which is the horizontal orientation.

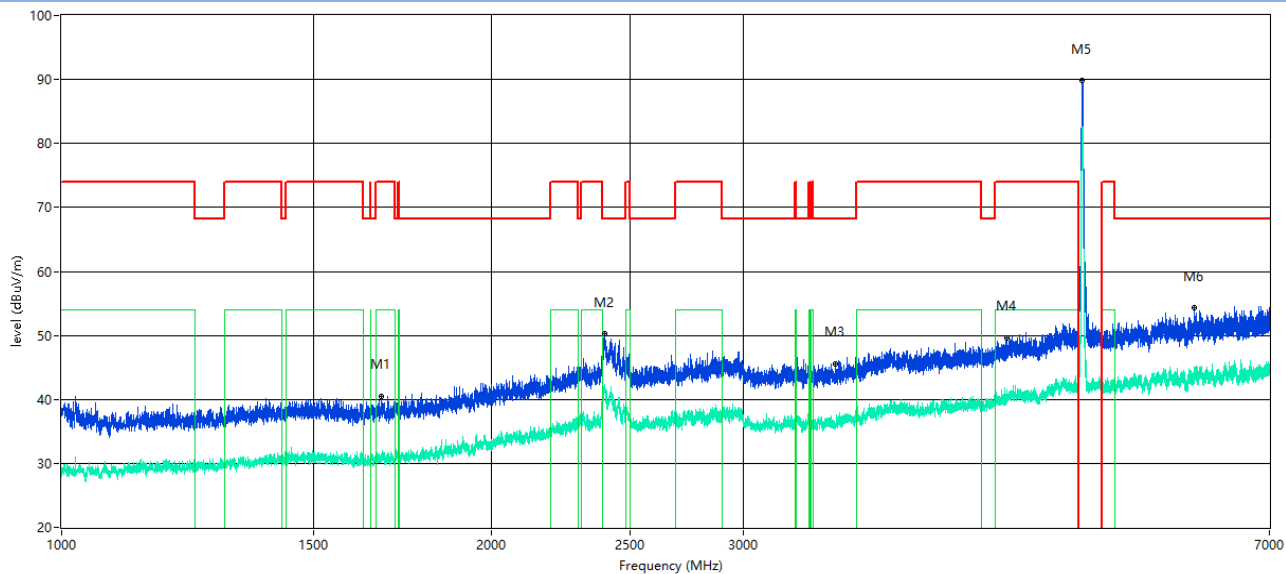
Note²: The spurious above 18G is noise only, do not show on the report.

1 GHz to 7 GHz, ANT V Band I 802.11a Low channel



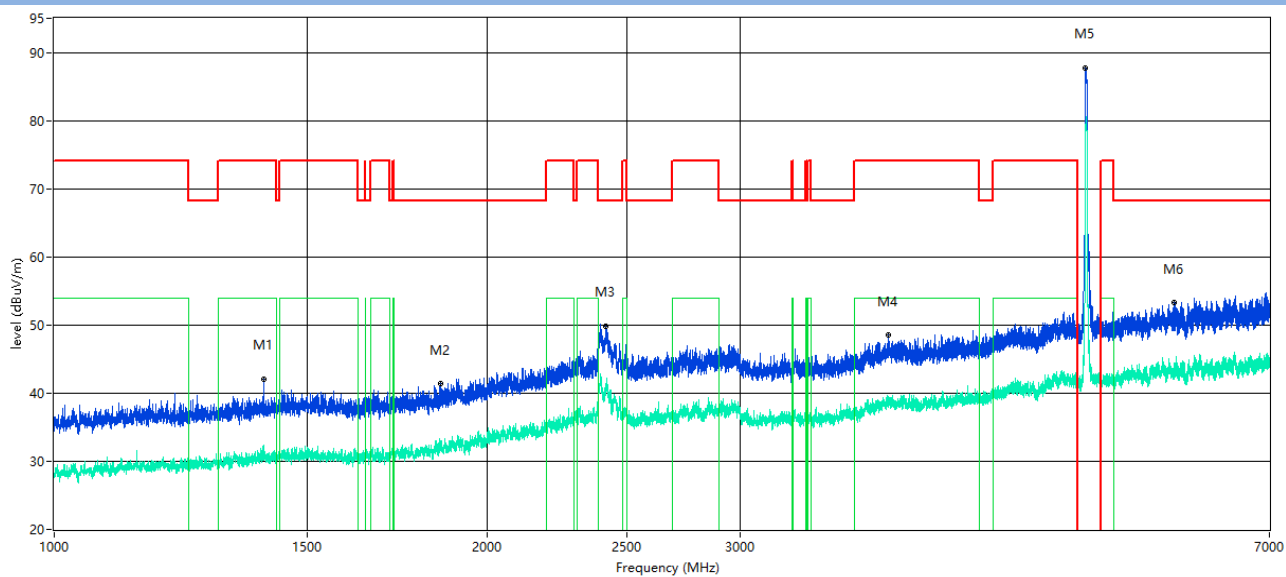
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
1520.685	40.38	--	31.4	-11.80	74.0	--	54.0	22.60	101.00	100	Vertical	Pass
2057.868	43.91	--	35.4	-8.16	68.2	--	--	24.29	158.00	100	Vertical	Pass
2397.075	51.19	--	42.1	0.01	68.2	--	--	17.01	93.00	100	Vertical	Pass
3277.090	46.11	--	37.9	-4.00	68.2	--	--	22.09	212.00	100	Vertical	Pass
4345.332	49.05	--	39.3	-1.99	74.0	--	54.0	14.70	183.00	100	Vertical	Pass
5181.477	83.64	--	75.9	0.44	--	--	--	--	62.00	100	Vertical	Pass

1 GHz to 7 GHz, ANT H Band I 802.11a Low channel



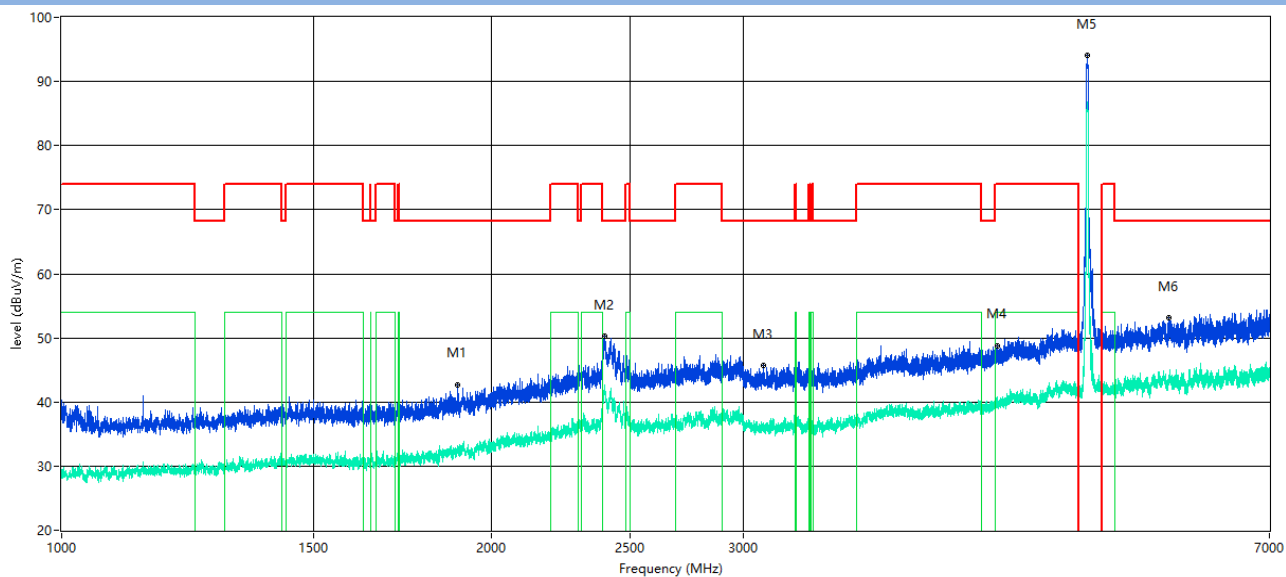
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
1673.416	40.48	--	31.3	-11.53	74.0	--	54.0	22.70	185.00	100	Horizontal	Pass
2396.825	50.23	--	41.2	0.02	68.2	--	--	17.97	132.00	100	Horizontal	Pass
3479.940	45.55	--	36.3	-5.34	68.2	--	--	22.65	213.00	100	Horizontal	Pass
4581.927	49.59	--	41.1	-0.78	74.0	--	54.0	12.90	12.00	100	Horizontal	Pass
5180.352	89.83	--	82.3	0.47	--	--	--	--	65.00	100	Horizontal	Pass
6204.974	54.25	--	45.1	4.39	68.2	--	--	13.95	2.00	100	Horizontal	Pass

1 GHz to 7 GHz, ANT V Band I 802.11a Middle channel



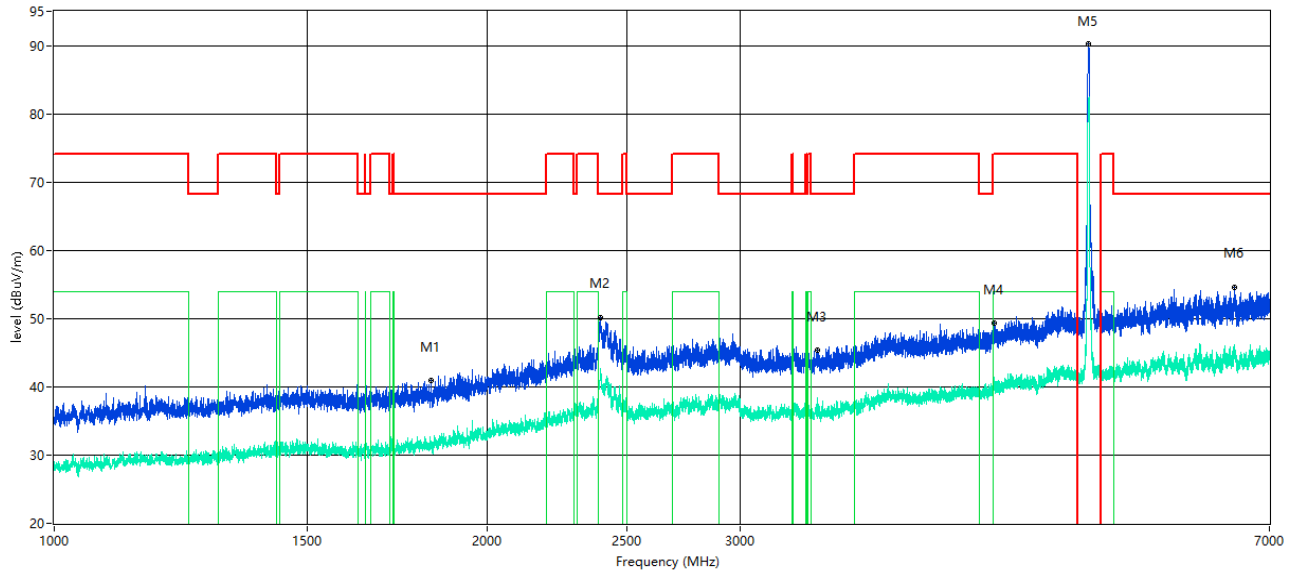
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
1399.450	42.12	--	32.3	-11.80	74.0	--	54.0	21.70	63.00	100	Vertical	Pass
1856.643	41.38	--	33.0	-9.96	68.2	--	--	26.82	105.00	100	Vertical	Pass
2420.322	49.83	--	41.4	-0.78	68.2	--	--	18.37	210.00	100	Vertical	Pass
3805.774	48.49	--	39.5	-2.45	74.0	--	54.0	14.50	55.00	100	Vertical	Pass
5216.348	87.72	--	79.3	0.63	--	--	--	--	185.00	100	Vertical	Pass
6007.499	53.32	--	43.0	3.02	68.2	--	--	14.88	21.00	100	Vertical	Pass

1 GHz to 7 GHz, ANT H Band I 802.11a Middle channel



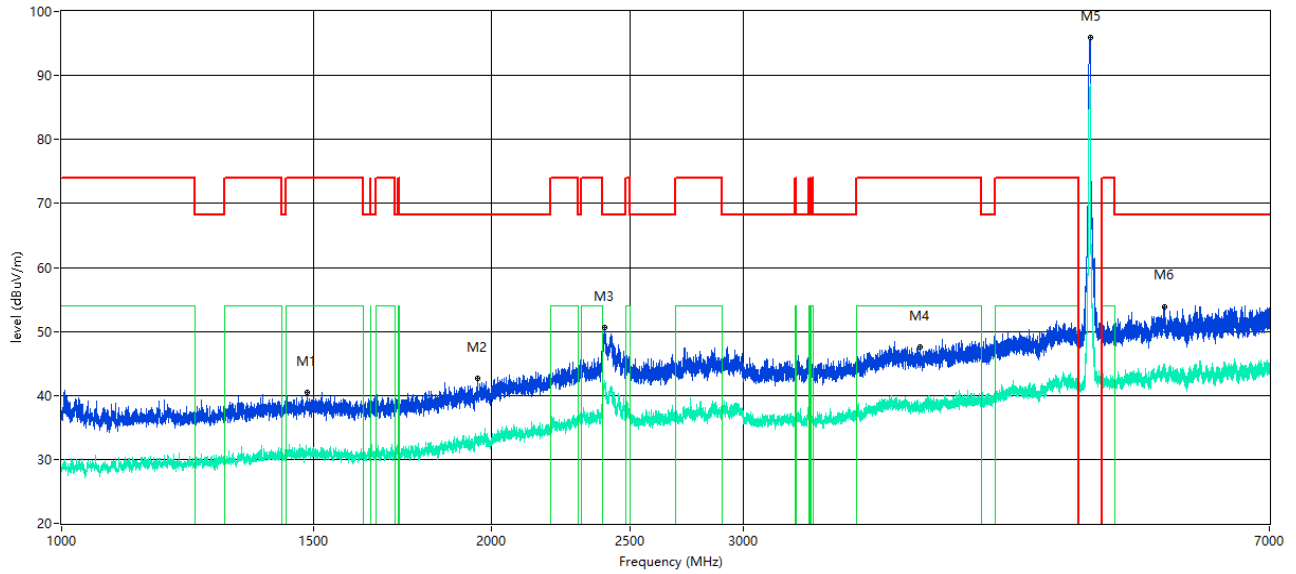
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
1893.888	42.67	--	33.1	-9.55	68.2	--	--	25.53	102.00	100	Horizontal	Pass
2400.075	50.24	--	42.1	-0.08	68.2	--	--	17.96	16.00	100	Horizontal	Pass
3096.738	45.65	--	36.7	-4.71	68.2	--	--	22.55	78.00	100	Horizontal	Pass
4519.685	48.81	--	39.7	-1.29	74.0	--	54.0	14.30	225.00	100	Horizontal	Pass
5223.097	94.01	--	86.2	0.64	--	--	--	--	162.00	100	Horizontal	Pass
5957.630	53.13	--	43.8	3.78	68.2	--	--	15.07	13.00	100	Horizontal	Pass

1 GHz to 7 GHz, ANT V Band I 802.11a High channel



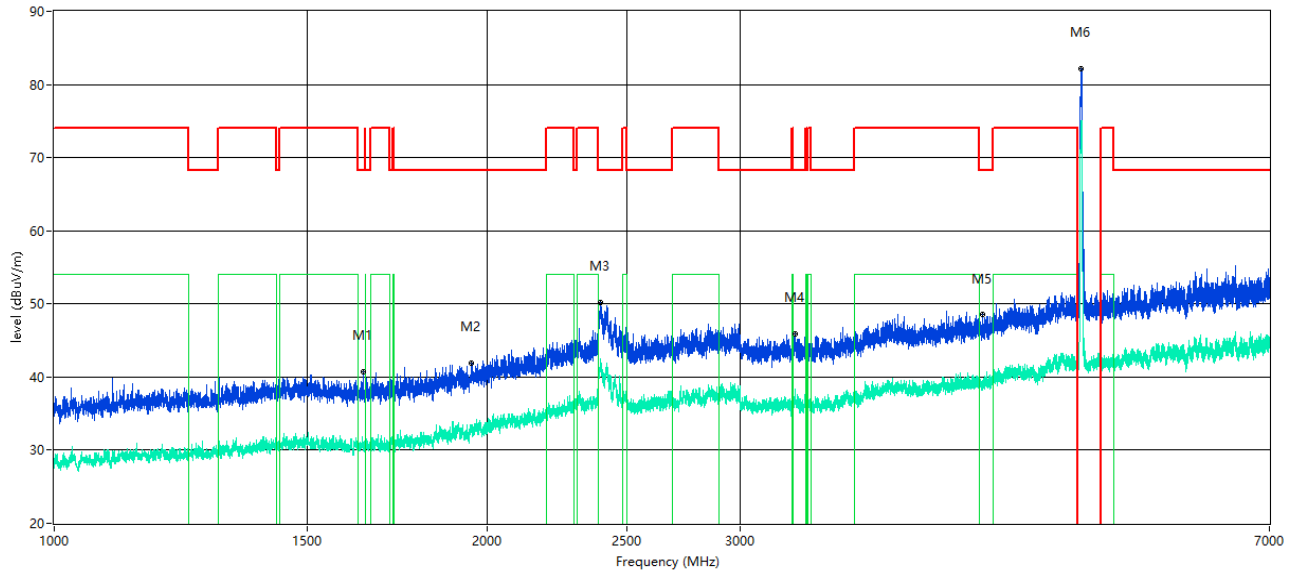
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
1828.146	40.87	--	31.9	-10.07	68.2	--	--	27.33	113.00	100	Vertical	Pass
2398.825	50.18	--	42.6	-0.05	68.2	--	--	18.02	215.00	100	Vertical	Pass
3397.075	45.33	--	38.3	-5.33	68.2	--	--	22.87	78.00	100	Vertical	Pass
4506.562	49.27	--	40.1	-1.08	74.0	--	54.0	13.90	105.00	100	Vertical	Pass
5242.970	90.29	--	81.9	0.85	--	--	--	--	78.00	100	Vertical	Pass
6618.048	54.51	--	45.5	5.52	68.2	--	--	13.69	9.00	100	Vertical	Pass

1 GHz to 7 GHz, ANT H Band I 802.11a High channel



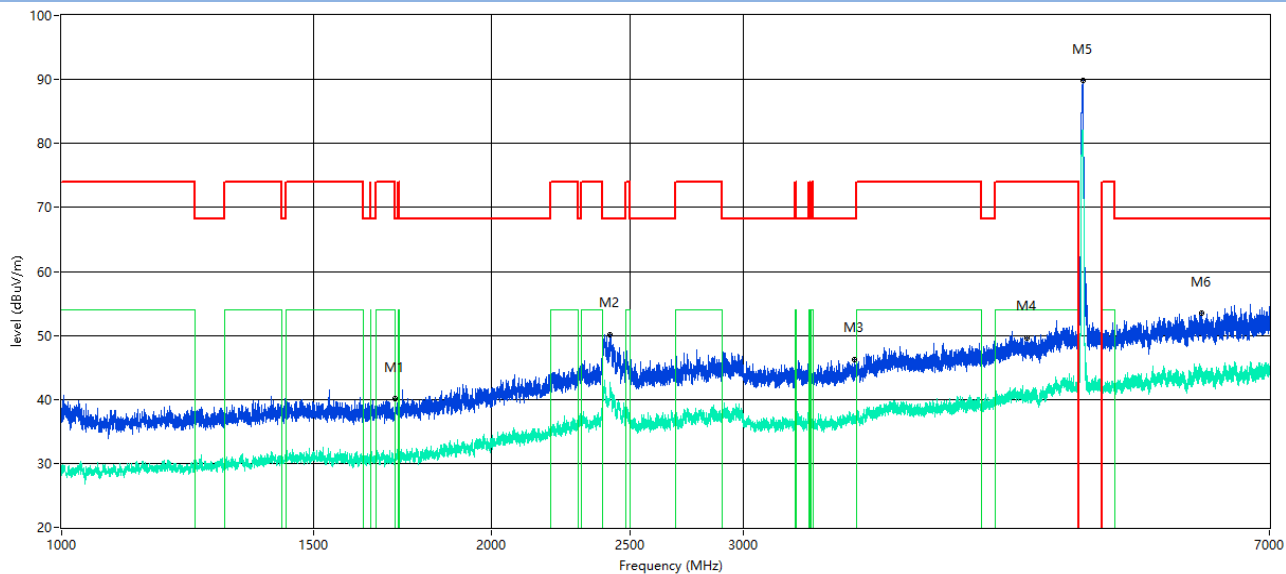
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
1485.439	40.41	--	31.0	-11.50	74.0	--	54.0	23.00	48.00	100	Horizontal	Pass
1955.881	42.69	--	33.5	-9.37	68.2	--	--	25.51	161.00	100	Horizontal	Pass
2396.575	50.59	--	41.9	0.03	68.2	--	--	17.61	55.00	100	Horizontal	Pass
3984.627	47.54	--	38.2	-3.04	74.0	--	54.0	15.80	28.00	100	Horizontal	Pass
5243.720	95.98	--	88.0	0.90	--	--	--	--	185.00	100	Horizontal	Pass
5912.261	53.86	--	44.9	3.23	68.2	--	--	14.34	11.00	100	Horizontal	Pass

1 GHz to 7 GHz, ANT V Band I 802.11n(HT20) Low channel



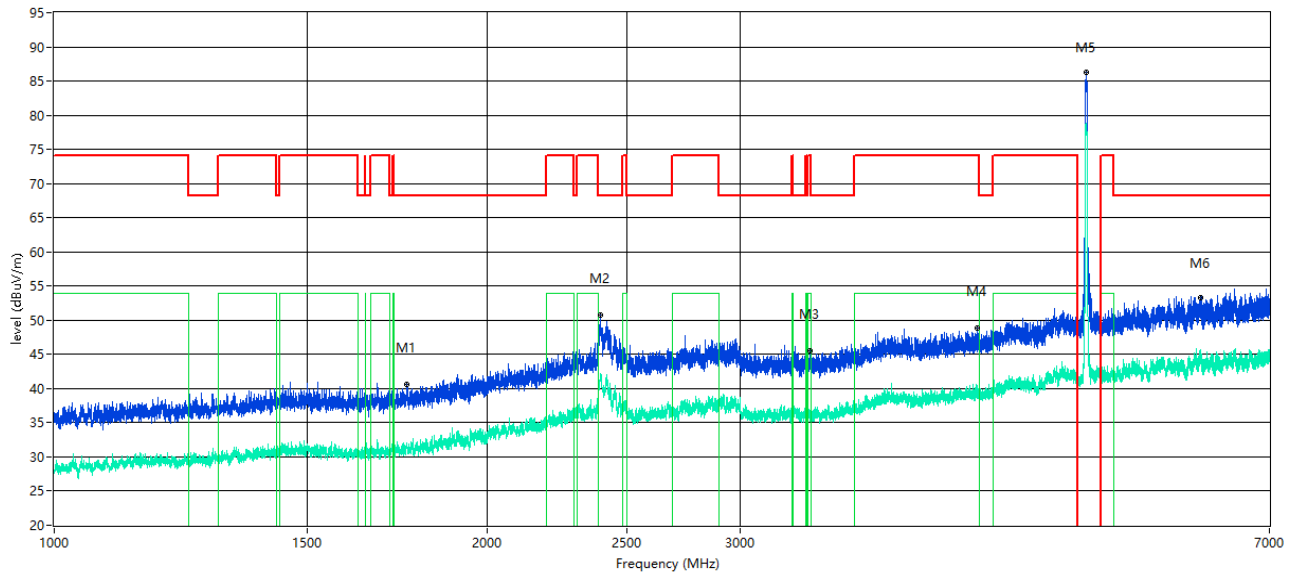
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
1639.170	40.76	--	30.8	-11.75	68.2	--	--	27.44	102.00	100	Vertical	Pass
1949.131	41.94	--	33.0	-9.05	68.2	--	--	26.26	58.00	100	Vertical	Pass
2399.825	50.19	--	42.5	-0.08	68.2	--	--	18.01	91.00	100	Vertical	Pass
3277.465	45.93	--	36.9	-4.07	68.2	--	--	22.27	210.00	100	Vertical	Pass
4419.573	48.49	--	39.2	-2.04	68.2	--	--	19.71	331.00	100	Vertical	Pass
5178.478	82.20	--	74.9	0.46	--	--	--	--	11.00	100	Vertical	Pass

1 GHz to 7 GHz, ANT H Band I 802.11n(HT20) Low channel



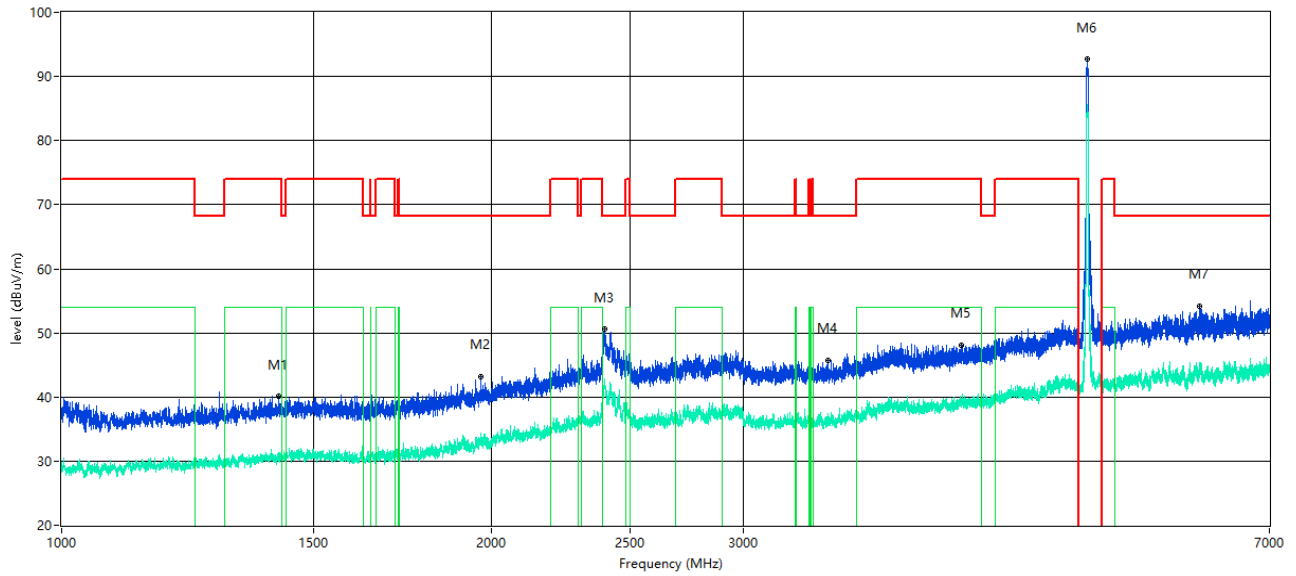
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
1712.411	40.07	--	31.8	-11.63	68.2	--	--	28.13	108.00	100	Horizontal	Pass
2420.822	50.12	--	42.6	-0.79	68.2	--	--	18.08	315.00	100	Horizontal	Pass
3587.927	46.26	--	37.1	-4.61	68.2	--	--	21.94	76.00	100	Horizontal	Pass
4734.158	49.67	--	40.7	-0.25	74.0	--	54.0	13.30	28.00	100	Horizontal	Pass
5183.727	89.78	--	81.3	0.38	--	--	--	--	105.00	100	Horizontal	Pass
6273.716	53.41	--	44.4	4.65	68.2	--	--	14.79	16.00	100	Horizontal	Pass

1 GHz to 7 GHz, ANT V Band I 802.11n(HT20) Middle channel



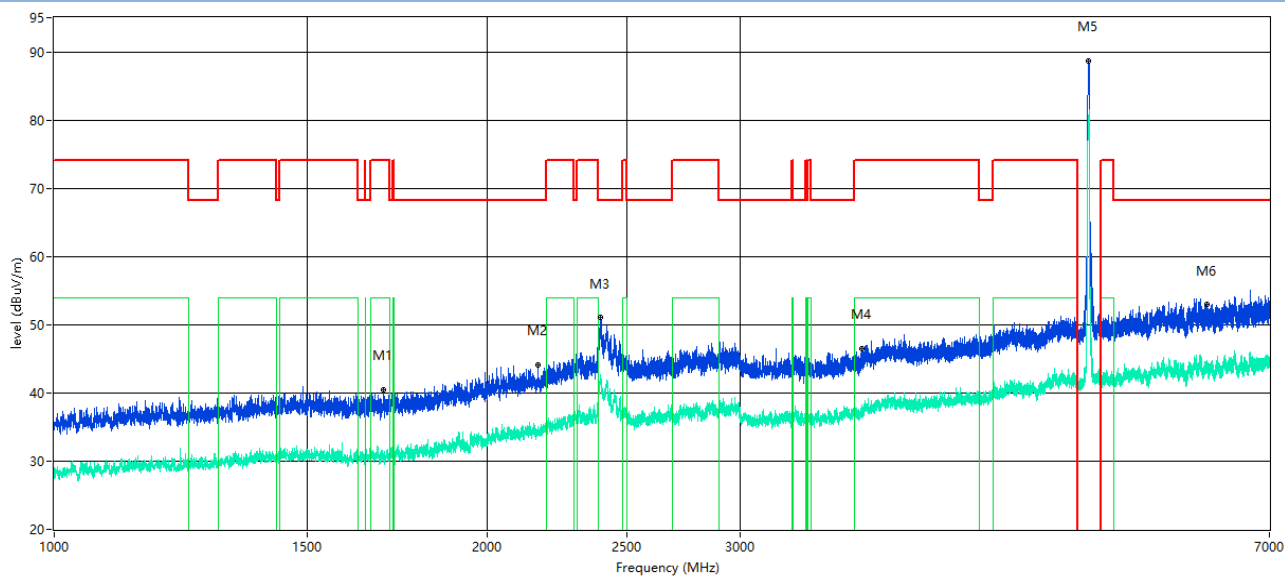
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
1757.905	40.61	--	31.9	-10.74	68.2	--	--	27.59	101.00	100	Vertical	Pass
2397.825	50.80	--	42.1	-0.03	68.2	--	--	17.40	51.00	100	Vertical	Pass
3355.081	45.51	--	36.2	-5.59	74.0	--	54.0	17.80	315.00	100	Vertical	Pass
4381.702	48.89	--	39.1	-1.86	74.0	--	54.0	14.90	223.00	100	Vertical	Pass
5221.972	86.29	--	78.8	0.65	--	--	--	--	88.00	100	Vertical	Pass
6266.217	53.35	--	44.3	4.37	68.2	--	--	14.85	11.00	100	Vertical	Pass

1 GHz to 7 GHz, ANT H Band I 802.11n(HT20) Middle channel



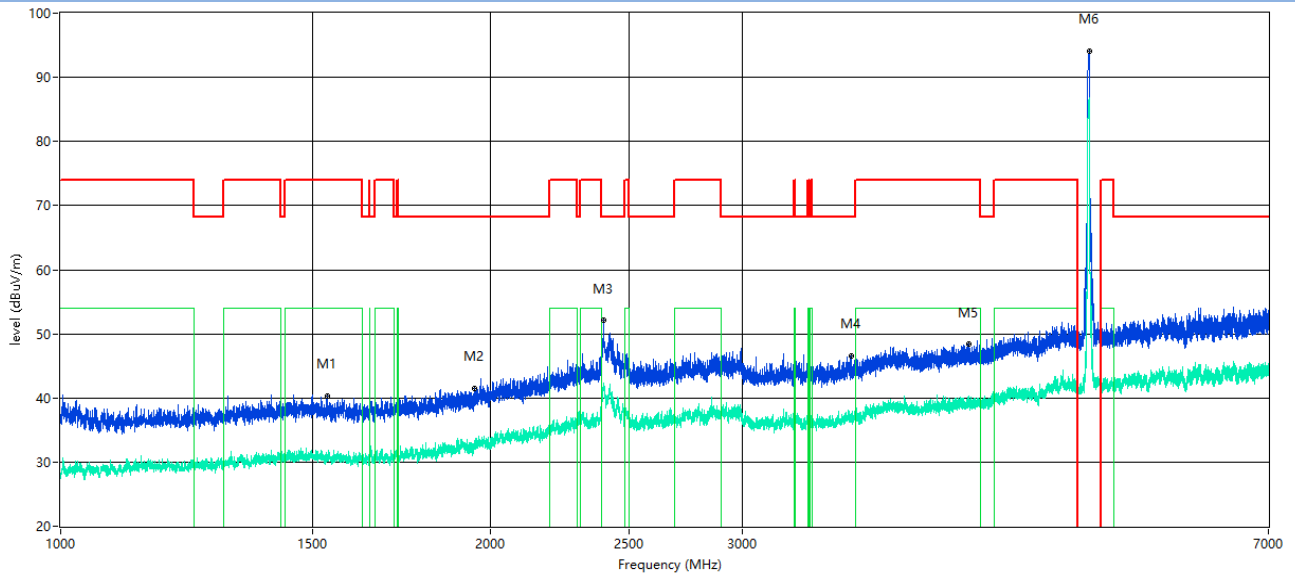
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
1418.948	40.11	--	30.7	-11.74	74.0	--	54.0	23.30	98.00	100	Horizontal	Pass
1965.129	43.20	--	33.3	-8.96	68.2	--	--	25.00	113.00	100	Horizontal	Pass
2398.075	50.60	--	42.5	-0.03	68.2	--	--	17.60	165.00	100	Horizontal	Pass
3436.445	45.70	--	35.8	-4.91	68.2	--	--	22.50	48.00	100	Horizontal	Pass
4263.592	48.07	--	39.3	-1.80	74.0	--	54.0	14.70	381.00	100	Horizontal	Pass
5224.222	92.71	--	84.8	0.64	--	--	--	--	82.00	100	Horizontal	Pass
6259.343	54.24	--	45.1	4.64	68.2	--	--	13.96	6.00	100	Horizontal	Pass

1 GHz to 7 GHz, ANT V Band I 802.11n(HT20) High channel



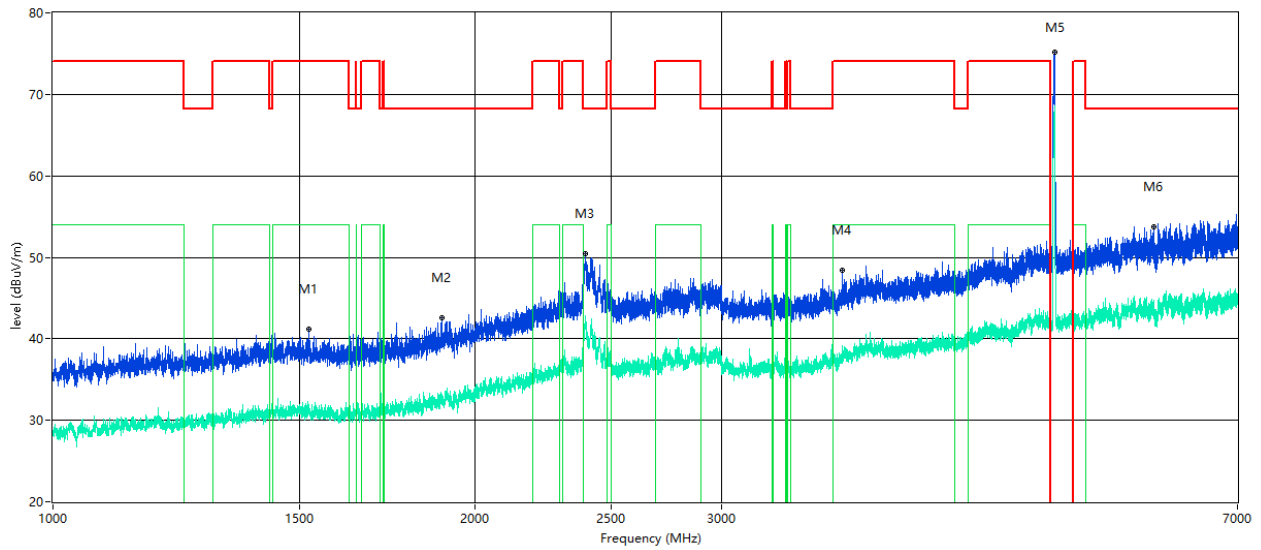
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
1695.413	40.45	--	30.8	-11.97	74.0	--	54.0	23.20	328.00	100	Vertical	Pass
2169.104	44.14	--	34.7	-7.28	68.2	--	--	24.06	41.00	100	Vertical	Pass
2397.575	51.04	--	42.7	-0.02	68.2	--	--	17.16	105.00	100	Vertical	Pass
3643.420	46.48	--	37.6	-3.86	74.0	--	54.0	16.40	81.00	100	Vertical	Pass
5242.595	88.66	--	80.7	0.82	--	--	--	--	163.00	100	Vertical	Pass
6332.458	52.92	--	43.6	4.75	68.2	--	--	15.28	12.00	100	Vertical	Pass

1 GHz to 7 GHz, ANT H Band I 802.11n(HT20) High channel



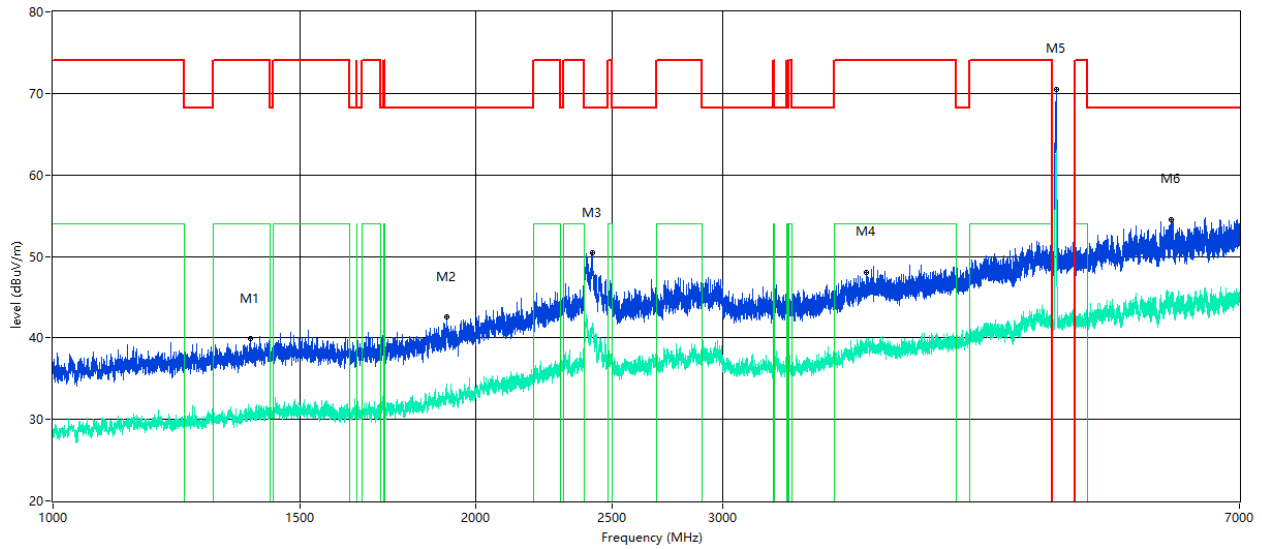
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
1537.183	40.35	--	30.9	-11.77	74.0	--	54.0	23.10	138.00	100	Horizontal	Pass
1946.632	41.56	--	32.9	-9.40	68.2	--	--	26.64	130.00	100	Horizontal	Pass
2398.075	52.10	--	42.1	-0.03	68.2	--	--	16.10	161.00	100	Horizontal	Pass
3572.553	46.59	--	36.5	-4.71	68.2	--	--	21.61	62.00	100	Horizontal	Pass
4323.210	48.37	--	40.3	-2.05	74.0	--	54.0	13.70	222.00	100	Horizontal	Pass
5242.970	94.09	--	86.3	0.85	--	--	--	--	182.00	100	Horizontal	Pass

1 GHz to 7 GHz, ANT V Band I 802.11ac(HT20) Low channel



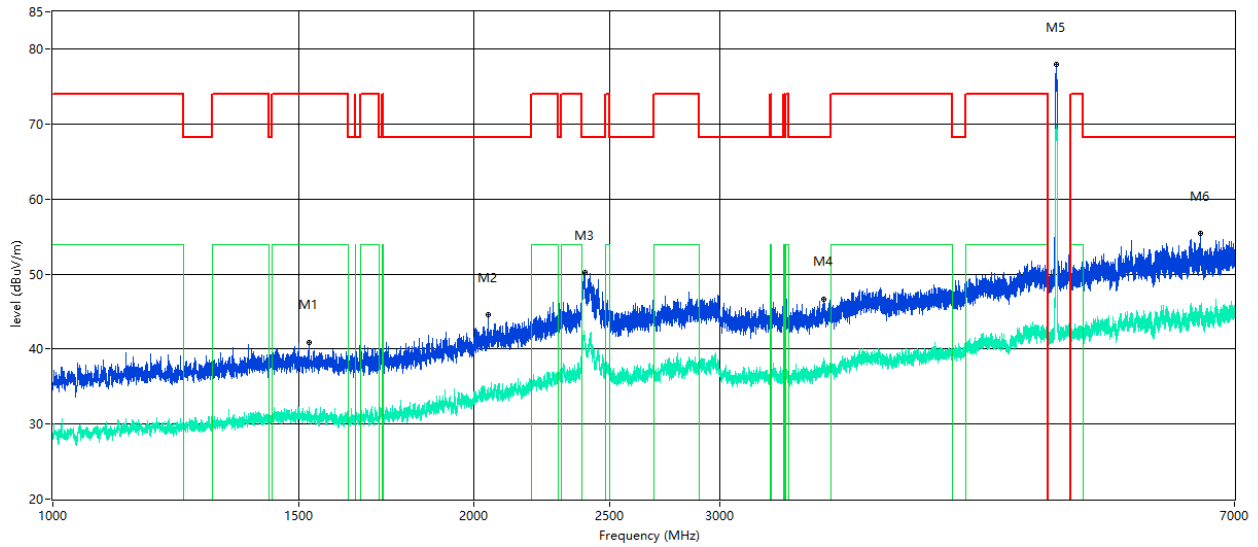
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
1522.185	41.23	--	31.9	-11.68	74.0	--	54.0	22.10	35.00	100	Vertical	Pass
1893.138	42.56	--	33.2	-9.47	68.2	--	--	25.64	102.00	100	Vertical	Pass
2398.575	50.39	--	42.9	-0.05	68.2	--	--	17.81	227.00	100	Vertical	Pass
3659.168	48.41	--	39.2	-3.88	74.0	--	54.0	14.80	108.00	100	Vertical	Pass
5184.477	75.22	--	68.1	0.36	--	--	--	--	13.00	100	Vertical	Pass
6098.238	53.70	--	44.7	4.07	68.2	--	--	14.50	9.00	100	Vertical	Pass

1 GHz to 7 GHz, ANT H Band I 802.11ac(HT20) Low channel



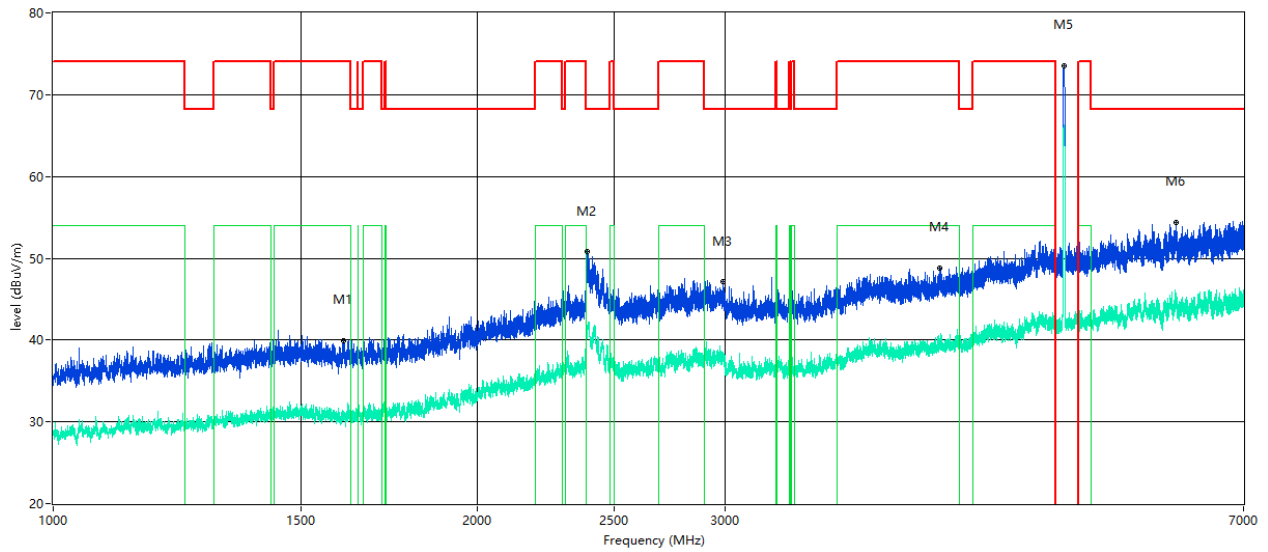
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
1382.202	39.91	--	31.3	-12.08	74.0	--	54.0	22.70	161.60	100	Horizontal	Pass
1908.136	42.57	--	33.1	-8.75	68.2	--	--	25.63	280.50	100	Horizontal	Pass
2424.322	50.40	--	41.8	-0.92	68.2	--	--	17.80	192.50	100	Horizontal	Pass
3793.026	48.09	--	38.7	-2.78	74.0	--	54.0	15.30	348.70	100	Horizontal	Pass
5183.727	70.45	--	63.0	0.38	--	--	--	--	360.00	100	Horizontal	Pass
6261.967	54.46	--	45.1	4.56	68.2	--	--	13.74	360.00	100	Horizontal	Pass

1 GHz to 7 GHz, ANT V Band I 802.11ac(HT20) Middle channel



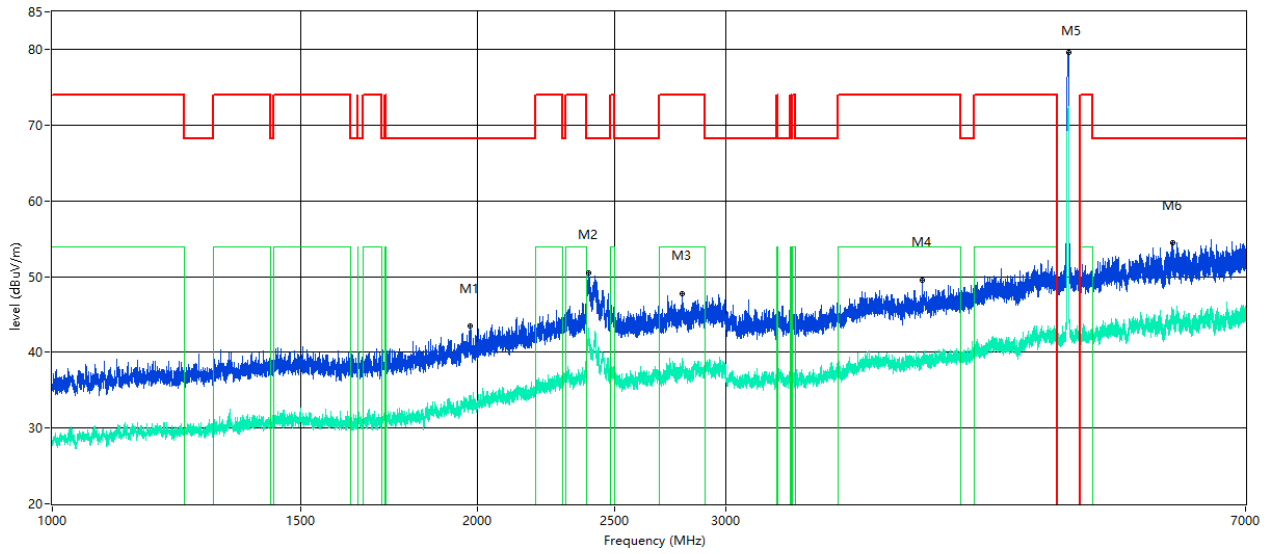
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
1524.184	40.91	--	32.2	-11.66	74.0	--	54.0	21.80	89.00	100	Vertical	Pass
2048.619	44.54	--	34.6	-7.85	68.2	--	--	23.66	101.00	100	Vertical	Pass
2400.575	50.17	--	41.5	-0.10	68.2	--	--	18.03	231.00	100	Vertical	Pass
3557.930	46.60	--	37.7	-4.09	68.2	--	--	21.60	66.00	100	Vertical	Pass
5223.847	77.95	--	69.8	0.64	--	--	--	--	47.00	100	Vertical	Pass
6622.422	55.45	--	45.7	5.25	68.2	--	--	12.75	12.00	100	Vertical	Pass

1 GHz to 7 GHz, ANT H Band I 802.11ac(HT20) Middle channel



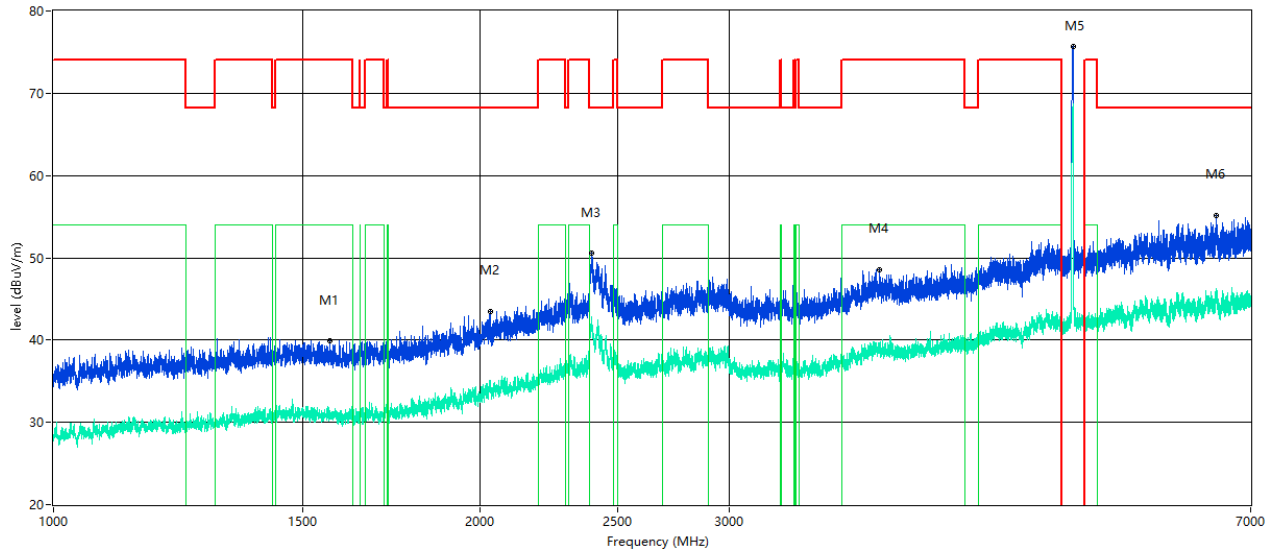
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
1606.924	39.96	--	31.3	-11.89	74.0	--	54.0	22.70	75.00	100	Horizontal	Pass
2395.826	50.77	--	41.8	0.07	68.2	--	--	17.43	67.00	100	Horizontal	Pass
2987.502	47.17	--	38.5	-3.03	68.2	--	--	21.03	285.00	100	Horizontal	Pass
4260.592	48.81	--	39.9	-1.76	74.0	--	54.0	14.10	27.00	100	Horizontal	Pass
5218.223	73.58	--	66.1	0.65	--	--	--	--	185.00	100	Horizontal	Pass
6269.216	54.41	--	44.6	4.26	68.2	--	--	13.79	5.00	100	Horizontal	Pass

1 GHz to 7 GHz, ANT V Band I 802.11ac(HT20) High channel



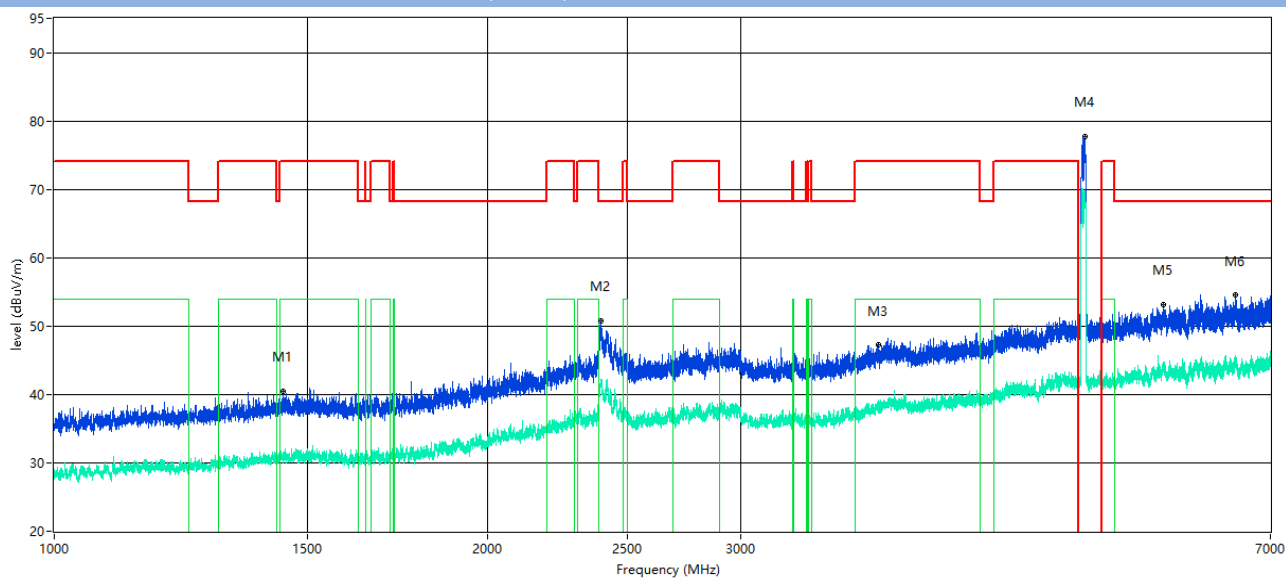
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
1978.128	43.53	--	33.6	-8.49	68.2	--	--	24.67	103.00	100	Vertical	Pass
2397.825	50.55	--	42.8	-0.03	68.2	--	--	17.65	89.00	100	Vertical	Pass
2794.026	47.73	--	39.2	-2.92	74.0	--	54.0	14.80	162.00	100	Vertical	Pass
4130.859	49.56	--	38.9	-2.33	74.0	--	54.0	15.10	18.00	100	Vertical	Pass
5244.094	79.66	--	71.3	0.93	--	--	--	--	138.00	100	Vertical	Pass
6220.972	54.50	--	44.9	4.59	68.2	--	--	13.70	14.00	100	Vertical	Pass

1 GHz to 7 GHz, ANT H Band I 802.11ac(HT20) High channel



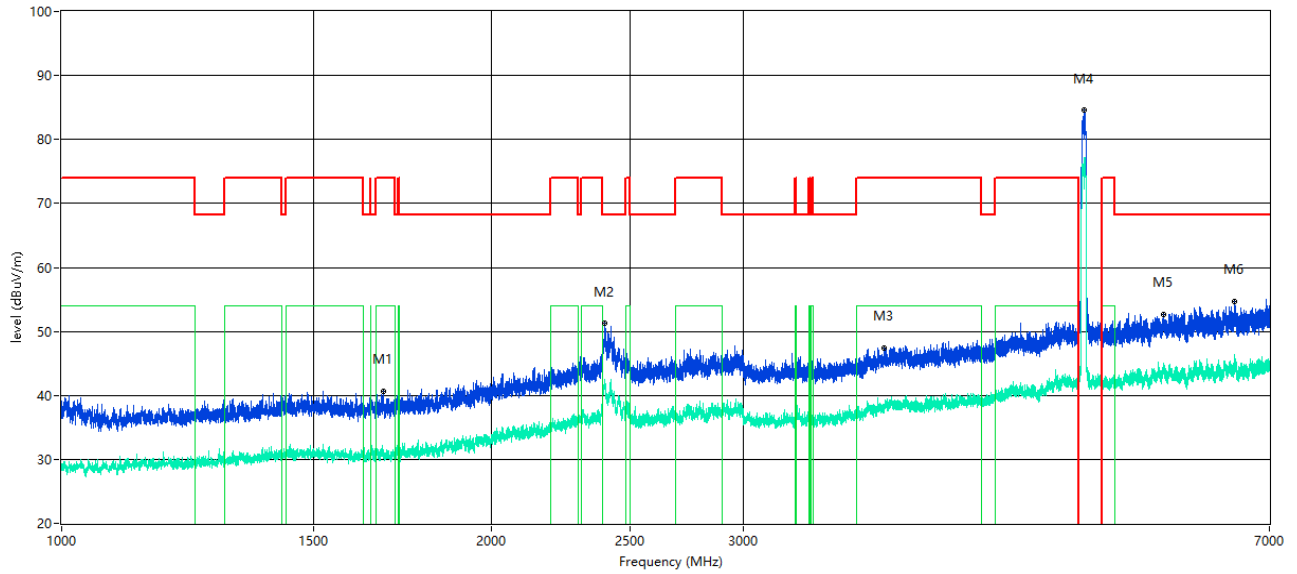
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1566.429	39.91	--	31.2	-11.77	74.0	--	54.0	22.80	218.00	100	Horizontal	Pass
2033.871	43.53	--	35.1	-7.81	68.2	--	--	24.67	78.20	100	Horizontal	Pass
2398.825	50.55	--	42.2	-0.05	68.2	--	--	17.65	334.10	100	Horizontal	Pass
3826.772	48.59	--	39.4	-2.90	74.0	--	54.0	14.60	359.20	100	Horizontal	Pass
5244.844	75.75	--	68.2	0.99	--	--	--	--	4.00	100	Horizontal	Pass
6617.548	55.20	--	46.0	5.49	68.2	--	--	13.00	13.00	100	Horizontal	Pass

1 GHz to 7 GHz, ANT V Band I 802.11n(HT40) Low channel



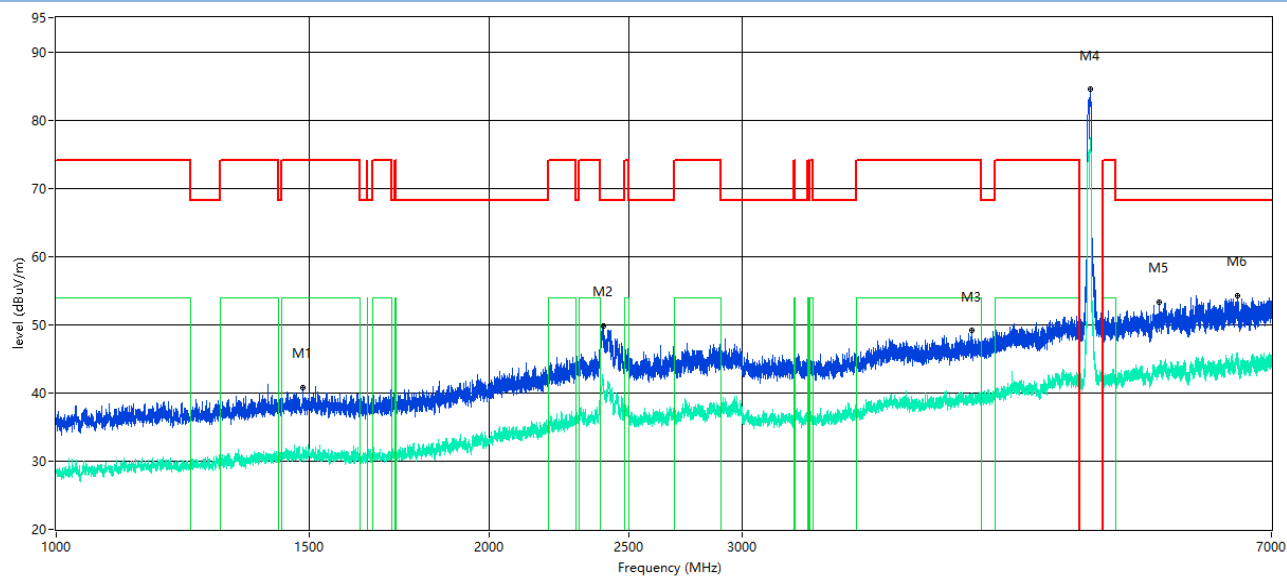
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
1441.445	40.48	--	31.3	-11.56	74.0	--	54.0	22.70	28.00	100	Vertical	Pass
2399.075	50.82	--	41.9	-0.06	68.2	--	--	17.38	134.00	100	Vertical	Pass
3739.783	47.23	--	38.6	-2.88	74.0	--	54.0	15.40	262.00	100	Vertical	Pass
5202.850	77.71	--	69.7	0.74	--	--	--	--	313.00	100	Vertical	Pass
5899.513	53.18	--	44.4	3.20	68.2	--	--	15.02	38.00	100	Vertical	Pass
6618.173	54.55	--	45.4	5.53	68.2	--	--	13.65	45.00	100	Vertical	Pass

1 GHz to 7 GHz, ANT H Band I 802.11n(HT40) Low channel



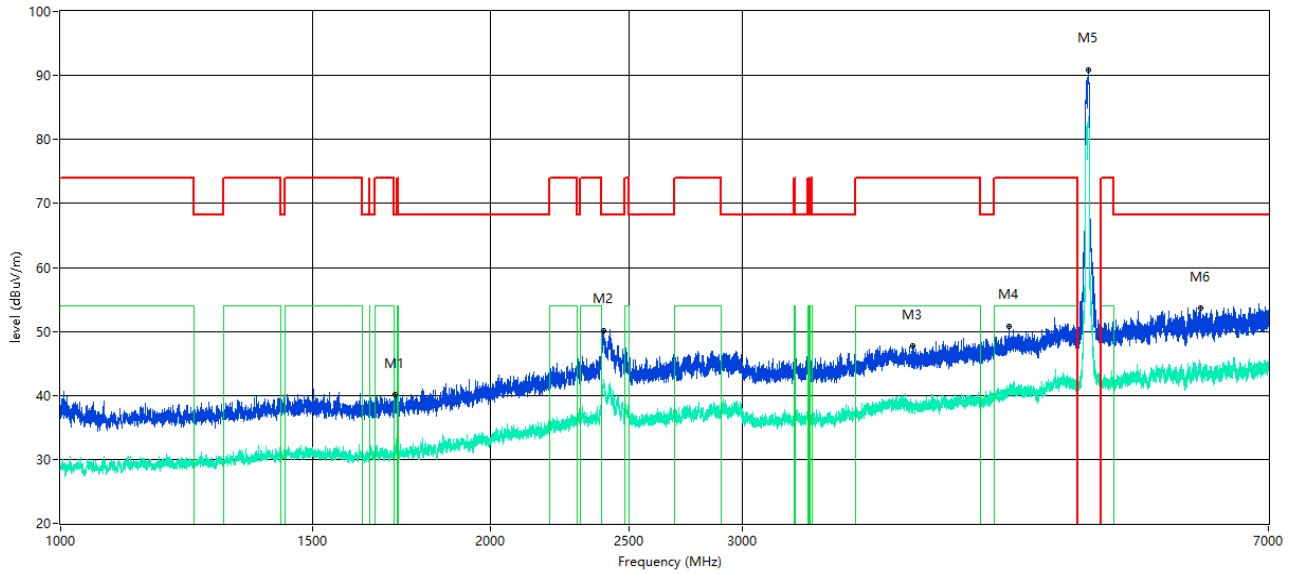
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1678.415	40.63	--	31.3	-11.01	74.0	--	54.0	22.70	123.00	100	Horizontal	Pass
2397.825	51.27	--	41.8	-0.03	68.2	--	--	16.93	162.00	100	Horizontal	Pass
3763.405	47.41	--	38.6	-3.12	74.0	--	54.0	15.40	13.00	100	Horizontal	Pass
5194.226	84.53	--	76.6	0.49	--	--	--	--	182.00	100	Horizontal	Pass
5904.012	52.61	--	44.6	3.75	68.2	--	--	15.59	69.00	100	Horizontal	Pass
6620.922	54.61	--	45.7	5.36	68.2	--	--	13.59	104.00	100	Horizontal	Pass

1 GHz to 7 GHz, ANT V Band I 802.11n(HT40) High channel



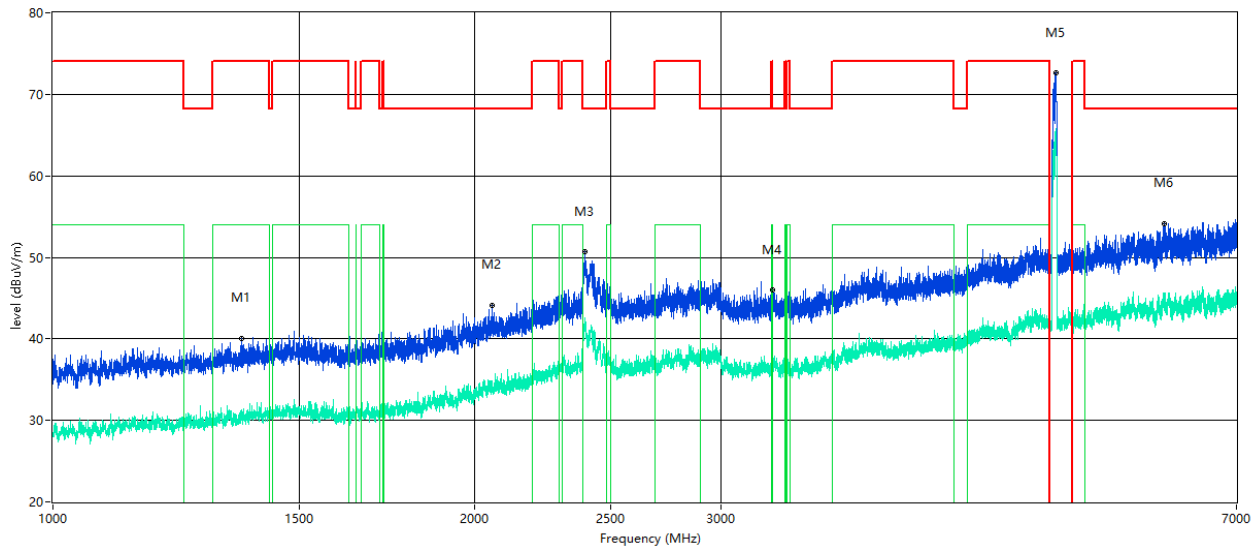
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1484.439	40.85	--	31.5	-11.46	74.0	--	54.0	22.50	71.00	100	Vertical	Pass
2400.075	49.88	--	41.4	-0.08	68.2	--	--	18.32	313.00	100	Vertical	Pass
4331.459	49.10	--	39.8	-2.23	74.0	--	54.0	14.20	103.00	100	Vertical	Pass
5240.720	84.49	--	76.6	0.67	--	--	--	--	215.00	100	Vertical	Pass
5849.644	53.31	--	44.0	3.06	68.2	--	--	14.89	58.00	100	Vertical	Pass
6634.296	54.24	--	44.5	5.28	68.2	--	--	13.96	38.00	100	Vertical	Pass

1 GHz to 7 GHz, ANT H Band I 802.11n(HT40) High channel



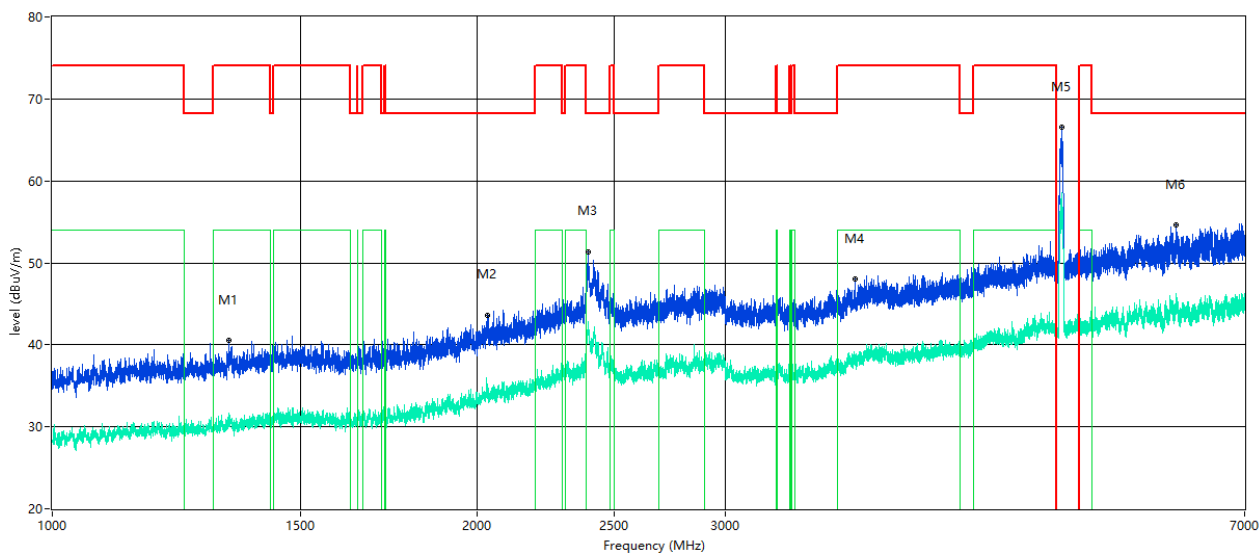
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1715.161	40.10	--	31.3	-11.34	68.2	--	--	28.10	18.00	100	Horizontal	Pass
2397.325	50.18	--	41.8	-0.01	68.2	--	--	18.02	121.00	100	Horizontal	Pass
3943.382	47.71	--	38.7	-3.28	74.0	--	54.0	15.30	96.00	100	Horizontal	Pass
4607.799	50.78	--	41.1	0.42	74.0	--	54.0	12.90	217.00	100	Horizontal	Pass
5236.595	90.87	--	82.5	0.60	--	--	--	--	335.00	100	Horizontal	Pass
6274.341	53.67	--	44.1	4.61	68.2	--	--	14.53	13.00	100	Horizontal	Pass

1 GHz to 7 GHz, ANT V Band I 802.11ac(HT40) Low channel



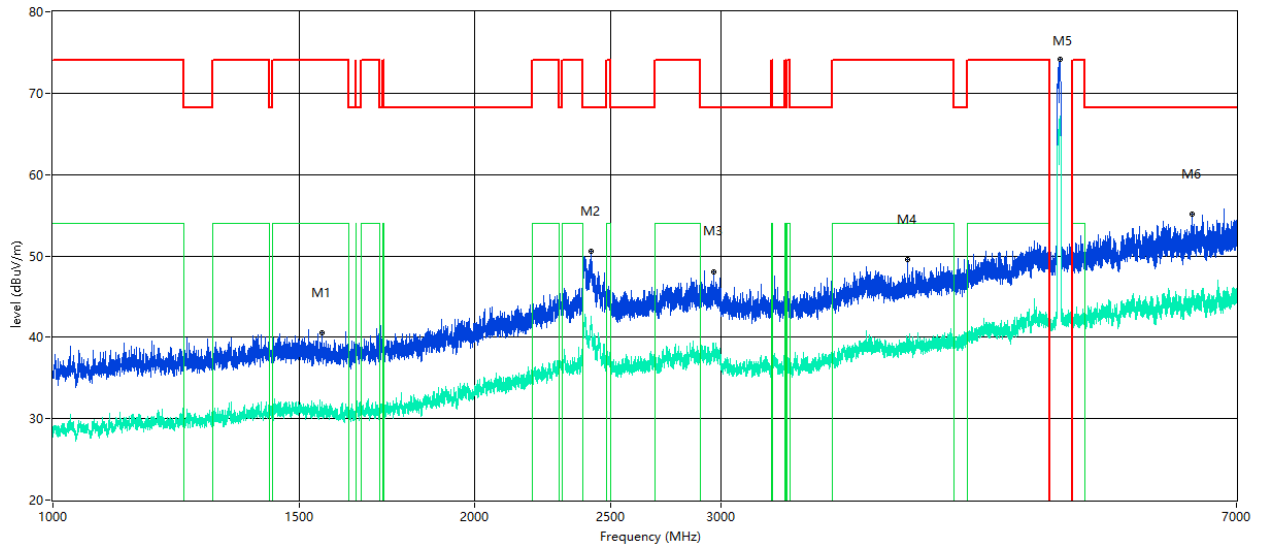
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1363.955	40.04	--	31.0	-12.21	74.0	--	54.0	23.00	95.00	100	Vertical	Pass
2058.618	44.12	--	34.2	-8.20	68.2	--	--	24.08	162.00	100	Vertical	Pass
2397.825	50.64	--	42.6	-0.03	68.2	--	--	17.56	227.00	100	Vertical	Pass
3264.717	46.01	--	37.2	-4.85	74.0	--	54.0	16.80	351.00	100	Vertical	Pass
5202.100	72.61	--	65.3	0.73	--	--	--	--	104.00	100	Vertical	Pass
6219.723	54.12	--	44.6	4.52	68.2	--	--	14.08	7.00	100	Vertical	Pass

1 GHz to 7 GHz, ANT H Band I 802.11ac(HT40) Low channel



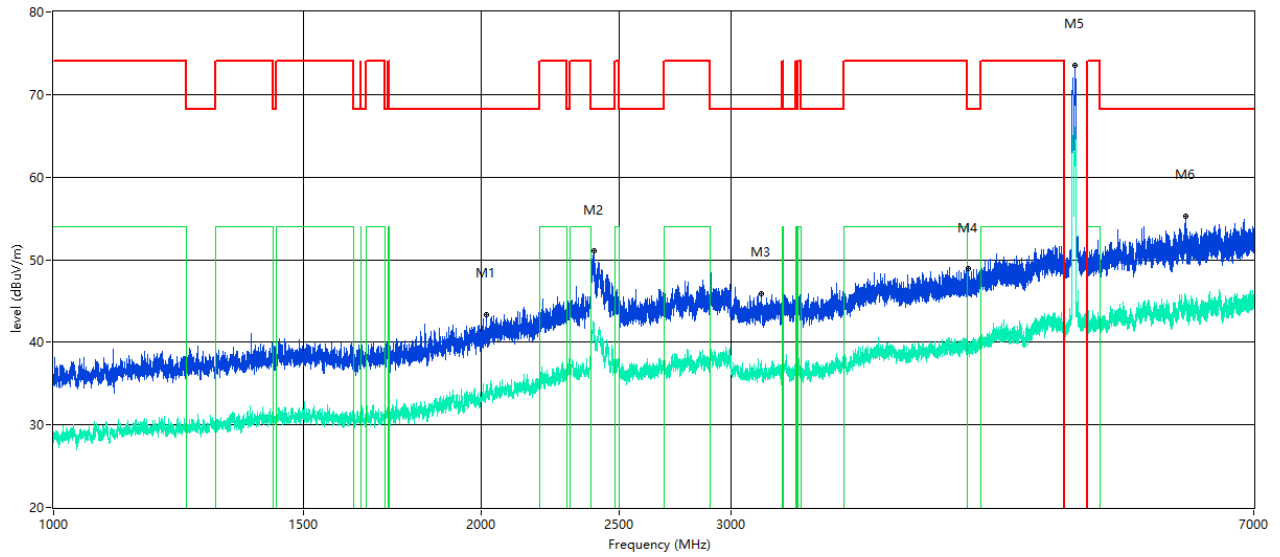
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1333.458	40.50	--	31.6	-11.72	74.0	--	54.0	22.40	101.20	100	Horizontal	Pass
2033.371	43.66	--	34.6	-7.75	68.2	--	--	24.54	360.00	100	Horizontal	Pass
2397.075	51.35	--	41.6	0.01	68.2	--	--	16.85	189.00	100	Horizontal	Pass
3705.287	48.09	--	38.1	-3.52	74.0	--	54.0	15.90	264.10	100	Horizontal	Pass
5191.601	66.54	--	58.2	0.35	--	--	--	--	109.90	100	Horizontal	Pass
6258.968	54.65	--	45.2	4.65	68.2	--	--	13.55	180.30	100	Horizontal	Pass

1 GHz to 7 GHz, ANT V Band I 802.11ac(HT40) High channel



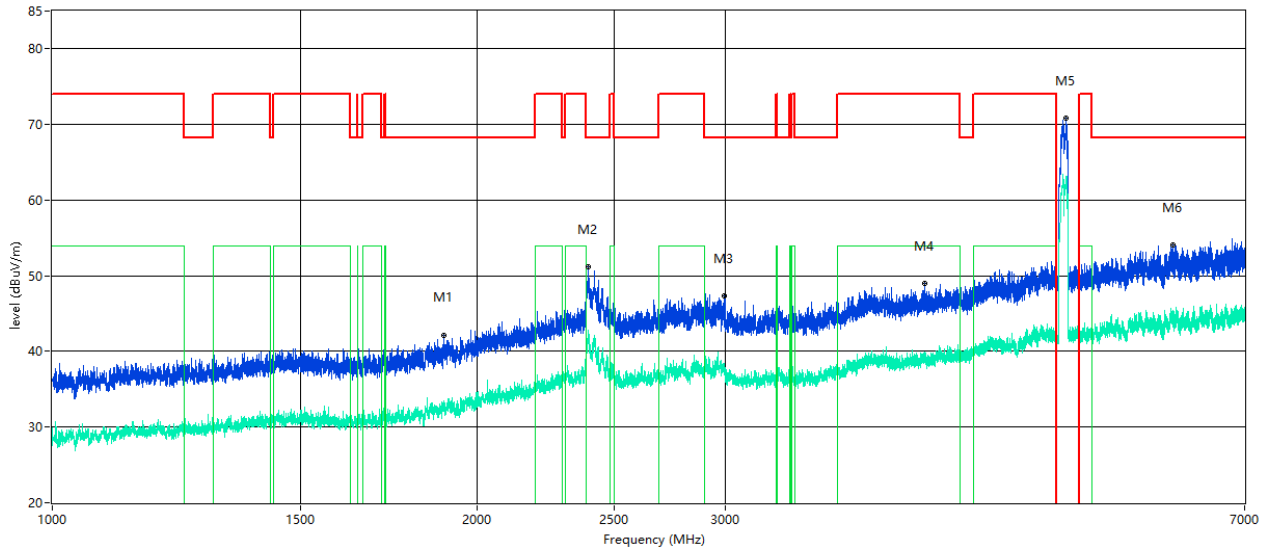
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
1557.180	40.49	--	32.1	-11.83	74.0	--	54.0	21.90	20.00	100	Vertical	Pass
2424.072	50.58	--	41.5	-0.91	68.2	--	--	17.62	37.00	100	Vertical	Pass
2962.505	48.10	--	38.4	-3.08	68.2	--	--	20.10	125.00	100	Vertical	Pass
4077.990	49.54	--	39.9	-2.45	74.0	--	54.0	14.10	194.00	100	Vertical	Pass
5241.845	74.18	--	66.0	0.76	--	--	--	--	29.00	100	Vertical	Pass
6506.937	55.10	--	44.7	5.56	68.2	--	--	13.10	51.00	100	Vertical	Pass

1 GHz to 7 GHz, ANT H Band I 802.11ac(HT40) High channel



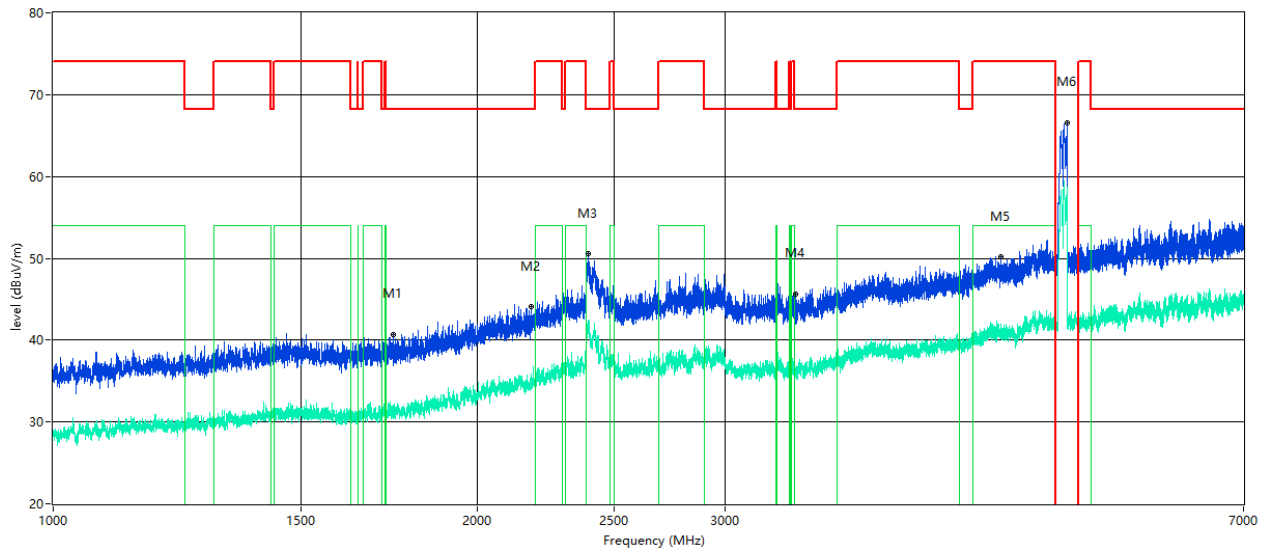
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
2018.123	43.40	--	34.2	-8.04	68.2	--	--	24.80	211.70	100	Horizontal	Pass
2400.075	51.05	--	42.4	-0.08	68.2	--	--	17.15	237.70	100	Horizontal	Pass
3150.731	45.91	--	37.2	-4.85	68.2	--	--	22.29	20.00	100	Horizontal	Pass
4408.699	48.88	--	39.7	-2.04	68.2	--	--	19.32	131.70	100	Horizontal	Pass
5241.470	73.57	--	66.0	0.73	--	--	--	--	193.90	100	Horizontal	Pass
6265.467	55.26	--	45.6	4.41	68.2	--	--	12.94	253.20	100	Horizontal	Pass

1 GHz to 7 GHz, ANT V Band I 802.11ac(HT80) Low channel



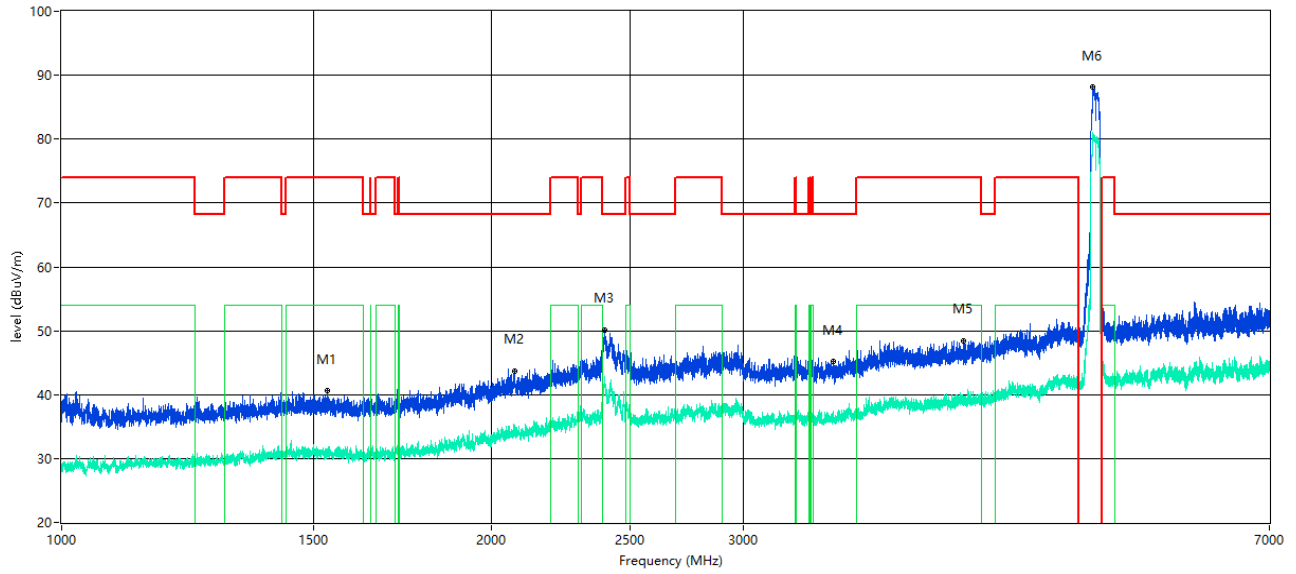
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1896.138	42.19	--	32.5	-9.80	68.2	--	--	26.01	92.00	100	Vertical	Pass
2397.825	51.19	--	41.8	-0.03	68.2	--	--	17.01	165.00	100	Vertical	Pass
2991.751	47.33	--	38.1	-2.73	68.2	--	--	20.87	220.00	100	Vertical	Pass
4155.606	49.00	--	39.8	-2.16	74.0	--	54.0	14.20	105.00	100	Vertical	Pass
5233.221	70.82	--	62.7	0.53	--	--	--	--	14.00	100	Vertical	Pass
6228.221	54.08	--	43.9	4.04	68.2	--	--	14.12	11.00	100	Vertical	Pass

1 GHz to 7 GHz, ANT H Band I 802.11ac(HT80) Low channel



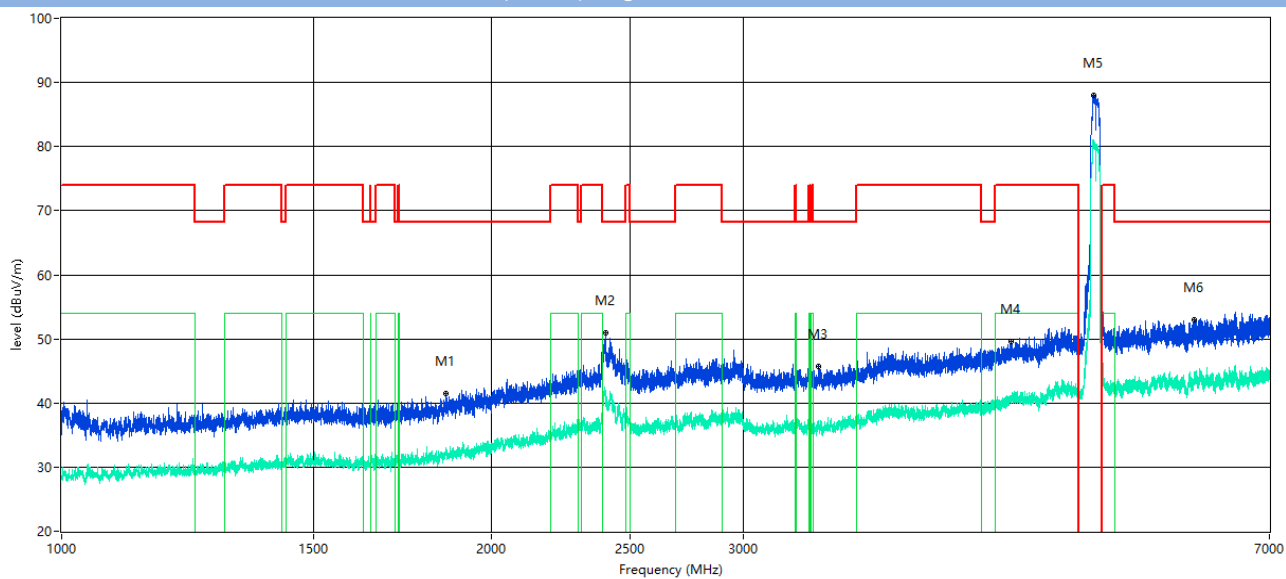
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
1742.407	40.72	--	32.0	-11.30	68.2	--	--	27.48	102.80	100	Horizontal	Pass
2183.602	44.10	--	35.8	-6.87	68.2	--	--	24.10	353.10	100	Horizontal	Pass
2398.325	50.52	--	42.2	-0.04	68.2	--	--	17.68	74.20	100	Horizontal	Pass
3365.579	45.67	--	36.2	-5.72	68.2	--	--	22.53	63.30	100	Horizontal	Pass
4706.037	50.14	--	41.1	-0.30	74.0	--	54.0	12.90	156.40	100	Horizontal	Pass
5246.719	66.60	--	58.7	1.01	--	--	--	--	275.30	100	Horizontal	Pass

1 GHz to 7 GHz, ANT V Band I 802.11ac(HT80) High channel



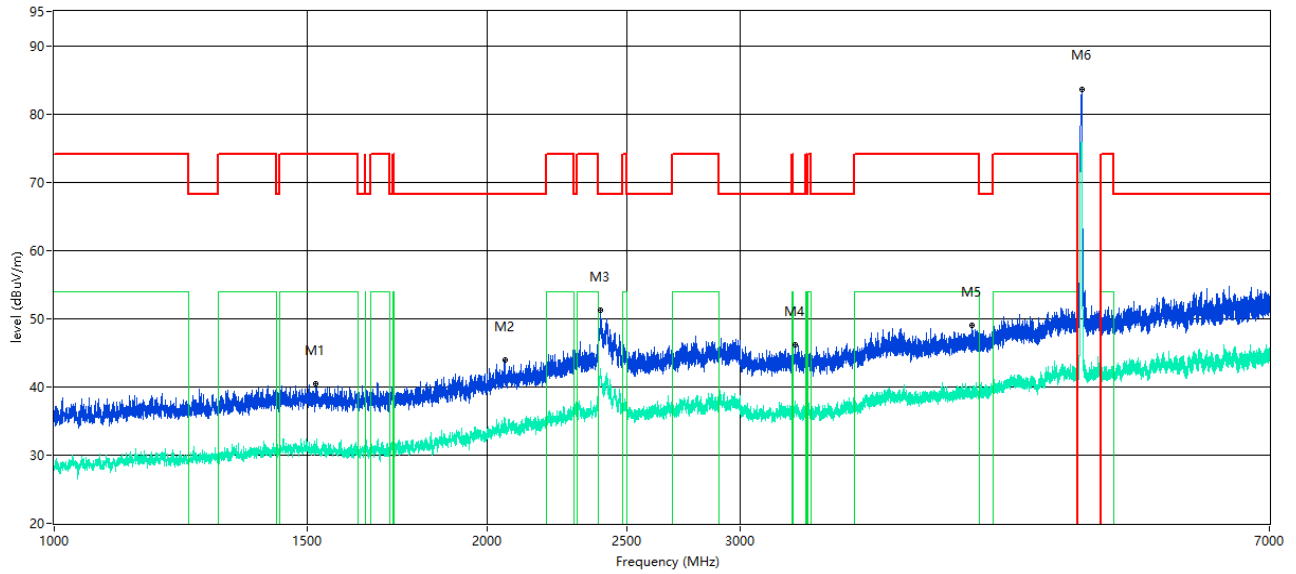
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
1535.183	40.61	--	31.1	-11.89	74.0	--	54.0	22.90	105.00	100	Vertical	Pass
2073.366	43.67	--	35.0	-7.49	68.2	--	--	24.53	93.00	100	Vertical	Pass
2397.825	50.14	--	42.8	-0.03	68.2	--	--	18.06	48.00	100	Vertical	Pass
3468.691	45.17	--	36.8	-4.85	68.2	--	--	23.03	102.00	100	Vertical	Pass
4274.841	48.47	--	38.9	-2.06	74.0	--	54.0	15.10	59.00	100	Vertical	Pass
5266.592	88.12	--	80.6	1.54	--	--	--	--	26.00	100	Vertical	Pass

1 GHz to 7 GHz, ANT H Band I 802.11ac(HT80) High channel



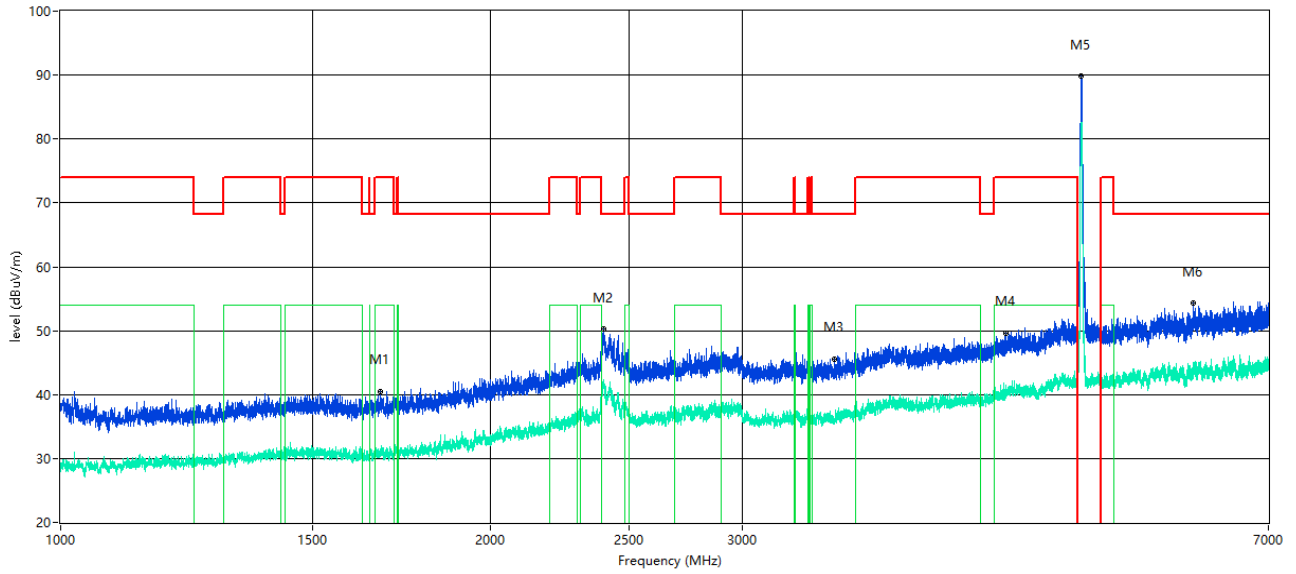
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
1857.643	41.51	--	32.7	-9.96	68.2	--	--	26.69	86.00	100	Horizontal	Pass
2400.825	50.95	--	41.9	-0.10	68.2	--	--	17.25	38.00	100	Horizontal	Pass
3387.702	45.73	--	37.3	-5.43	68.2	--	--	22.47	150.00	100	Horizontal	Pass
4619.798	49.66	--	40.2	0.23	74.0	--	54.0	13.80	48.00	100	Horizontal	Pass
5275.591	88.03	--	80.3	1.05	--	--	--	--	164.00	100	Horizontal	Pass
6204.349	53.05	--	44.1	4.38	68.2	--	--	15.15	23.00	100	Horizontal	Pass

1 GHz to 7 GHz, ANT V Band IV 802.11a Low channel



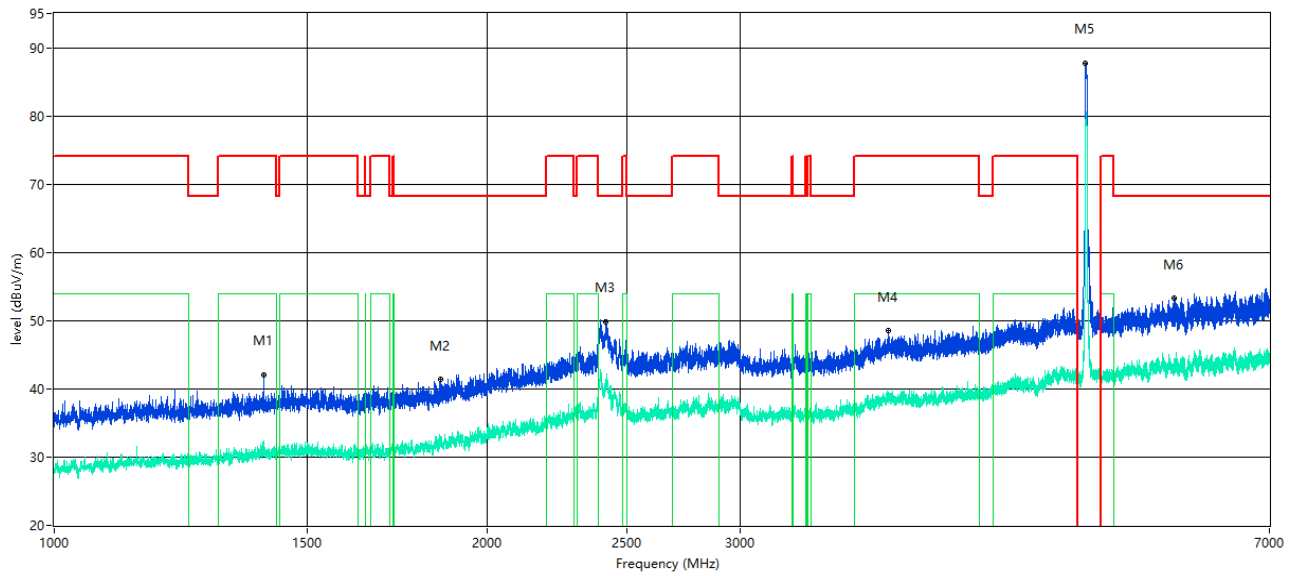
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1520.685	40.38	--	31.4	-11.80	74.0	--	54.0	22.60	101.00	100	Vertical	Pass
2057.868	43.91	--	35.4	-8.16	68.2	--	--	24.29	158.00	100	Vertical	Pass
2397.075	51.19	--	42.1	0.01	68.2	--	--	17.01	93.00	100	Vertical	Pass
3277.090	46.11	--	37.9	-4.00	68.2	--	--	22.09	212.00	100	Vertical	Pass
4345.332	49.05	--	39.3	-1.99	74.0	--	54.0	14.70	183.00	100	Vertical	Pass
5181.477	83.64	--	75.9	0.44	--	--	--	--	62.00	100	Vertical	Pass

1 GHz to 7 GHz, ANT H Band IV 802.11a Low channel



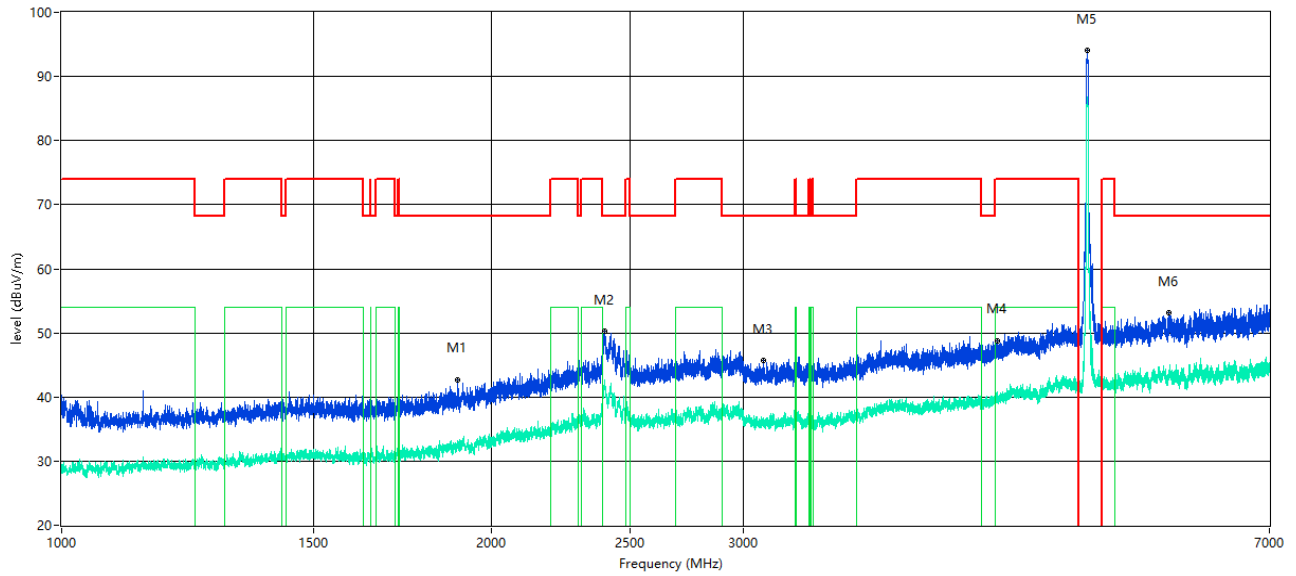
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1673.416	40.48	--	31.3	-11.53	74.0	--	54.0	22.70	185.00	100	Horizontal	Pass
2396.825	50.23	--	41.2	0.02	68.2	--	--	17.97	132.00	100	Horizontal	Pass
3479.940	45.55	--	36.3	-5.34	68.2	--	--	22.65	213.00	100	Horizontal	Pass
4581.927	49.59	--	41.1	-0.78	74.0	--	54.0	12.90	12.00	100	Horizontal	Pass
5180.352	89.83	--	82.3	0.47	--	--	--	--	65.00	100	Horizontal	Pass
6204.974	54.25	--	45.1	4.39	68.2	--	--	13.95	2.00	100	Horizontal	Pass

1 GHz to 7 GHz, ANT V Band IV 802.11a Middle channel



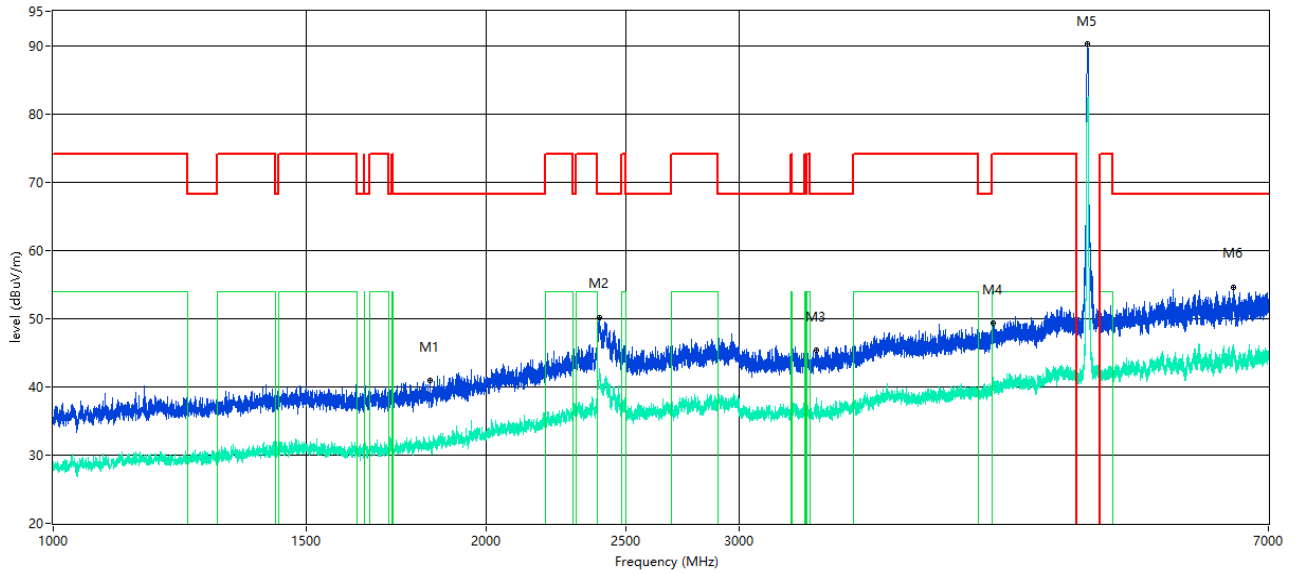
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
1399.450	42.12	--	32.3	-11.80	74.0	--	54.0	21.70	63.00	100	Vertical	Pass
1856.643	41.38	--	33.0	-9.96	68.2	--	--	26.82	105.00	100	Vertical	Pass
2420.322	49.83	--	41.4	-0.78	68.2	--	--	18.37	210.00	100	Vertical	Pass
3805.774	48.49	--	39.5	-2.45	74.0	--	54.0	14.50	55.00	100	Vertical	Pass
5216.348	87.72	--	79.3	0.63	--	--	--	--	185.00	100	Vertical	Pass
6007.499	53.32	--	43.0	3.02	68.2	--	--	14.88	21.00	100	Vertical	Pass

1 GHz to 7 GHz, ANT H Band IV 802.11a Middle channel



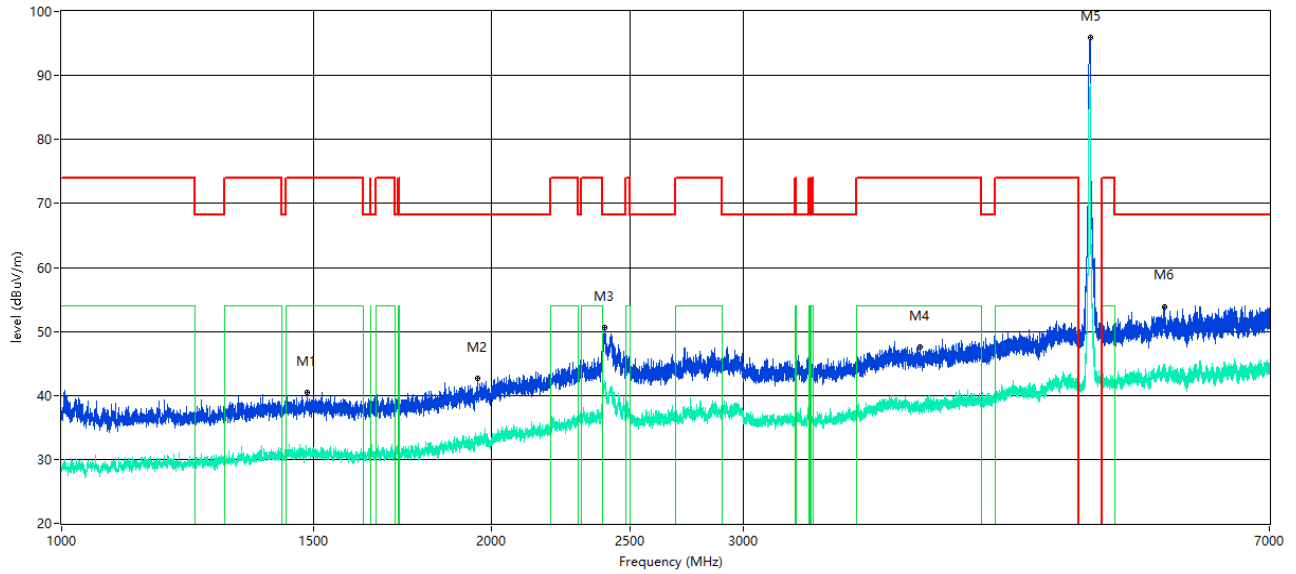
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1893.888	42.67	--	33.1	-9.55	68.2	--	--	25.53	102.00	100	Horizontal	Pass
2400.075	50.24	--	42.1	-0.08	68.2	--	--	17.96	16.00	100	Horizontal	Pass
3096.738	45.65	--	36.7	-4.71	68.2	--	--	22.55	78.00	100	Horizontal	Pass
4519.685	48.81	--	39.7	-1.29	74.0	--	54.0	14.30	225.00	100	Horizontal	Pass
5223.097	94.01	--	86.2	0.64	--	--	--	--	162.00	100	Horizontal	Pass
5957.630	53.13	--	43.8	3.78	68.2	--	--	15.07	13.00	100	Horizontal	Pass

1 GHz to 7 GHz, ANT V Band IV 802.11a High channel



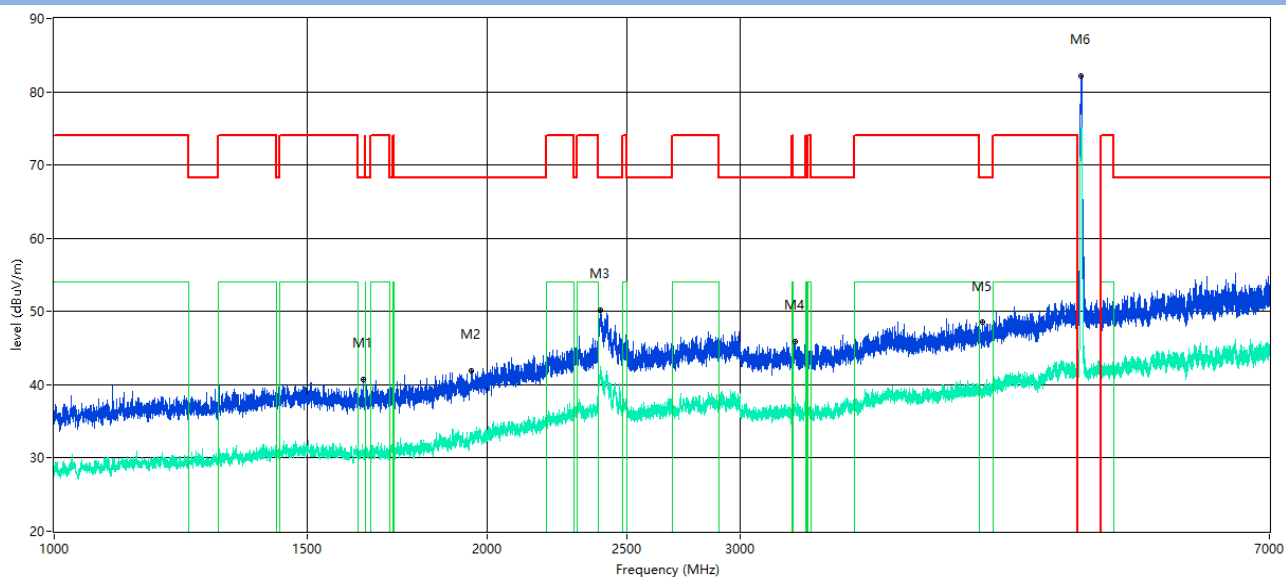
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1828.146	40.87	--	31.9	-10.07	68.2	--	--	27.33	113.00	100	Vertical	Pass
2398.825	50.18	--	42.6	-0.05	68.2	--	--	18.02	215.00	100	Vertical	Pass
3397.075	45.33	--	38.3	-5.33	68.2	--	--	22.87	78.00	100	Vertical	Pass
4506.562	49.27	--	40.1	-1.08	74.0	--	54.0	13.90	105.00	100	Vertical	Pass
5242.970	90.29	--	81.9	0.85	--	--	--	--	78.00	100	Vertical	Pass
6618.048	54.51	--	45.5	5.52	68.2	--	--	13.69	9.00	100	Vertical	Pass

1 GHz to 7 GHz, ANT H Band IV 802.11a High channel



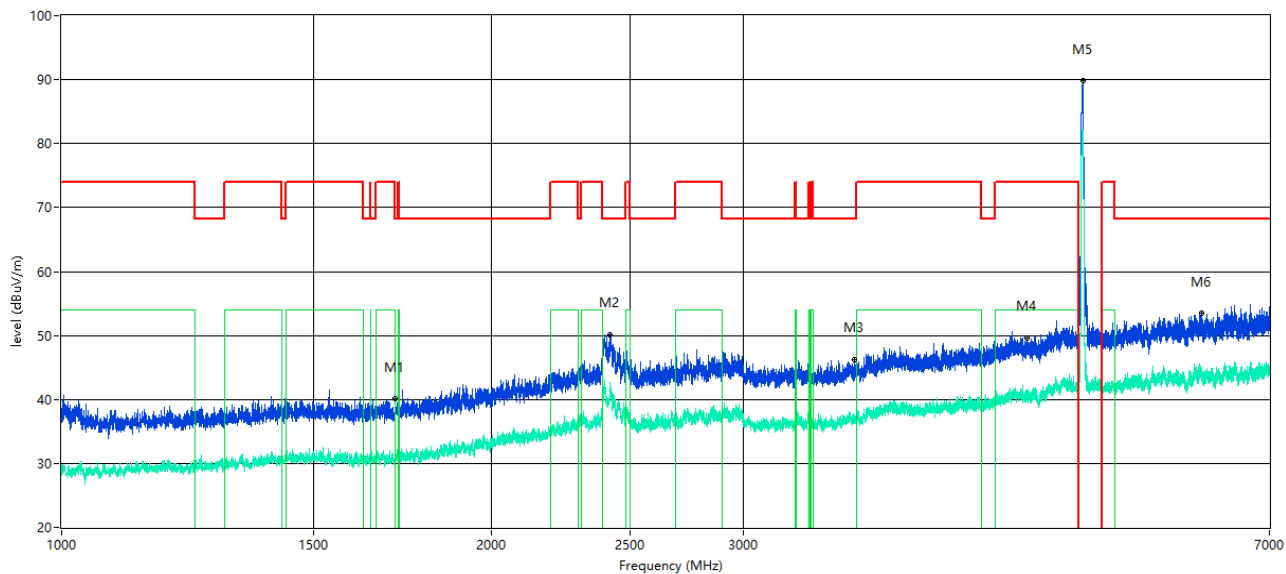
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1485.439	40.41	--	31.0	-11.50	74.0	--	54.0	23.00	48.00	100	Horizontal	Pass
1955.881	42.69	--	33.5	-9.37	68.2	--	--	25.51	161.00	100	Horizontal	Pass
2396.575	50.59	--	41.9	0.03	68.2	--	--	17.61	55.00	100	Horizontal	Pass
3984.627	47.54	--	38.2	-3.04	74.0	--	54.0	15.80	28.00	100	Horizontal	Pass
5243.720	95.98	--	88.0	0.90	--	--	--	--	185.00	100	Horizontal	Pass
5912.261	53.86	--	44.9	3.23	68.2	--	--	14.34	11.00	100	Horizontal	Pass

1 GHz to 7 GHz, ANT V Band IV 802.11n(HT20) Low channel



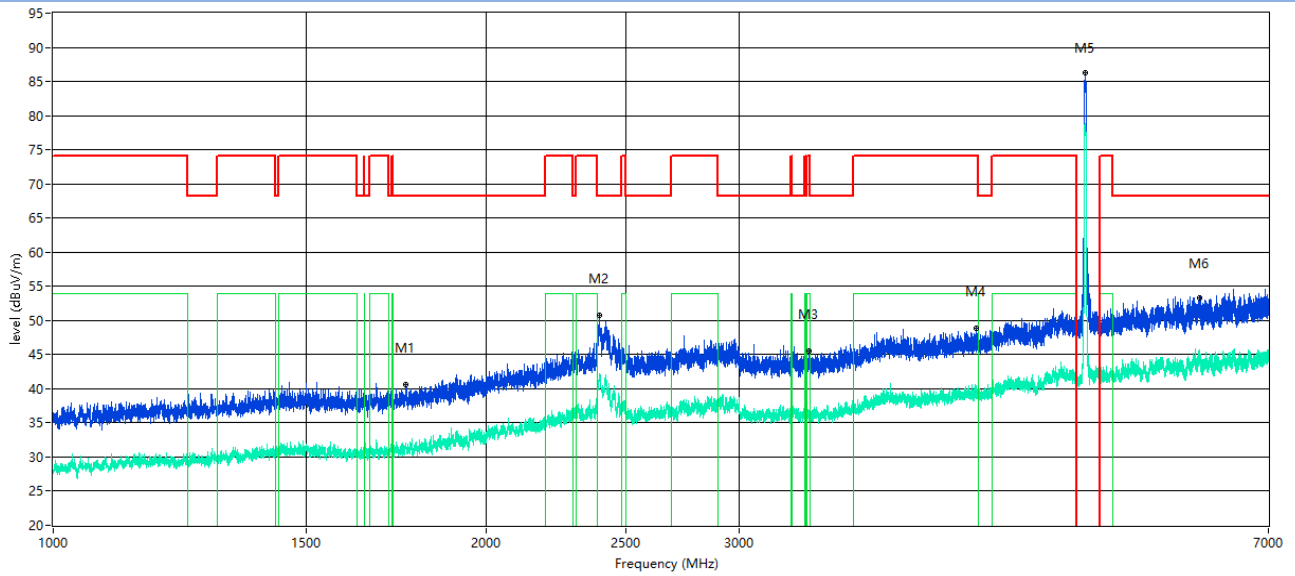
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1639.170	40.76	--	30.8	-11.75	68.2	--	--	27.44	102.00	100	Vertical	Pass
1949.131	41.94	--	33.0	-9.05	68.2	--	--	26.26	58.00	100	Vertical	Pass
2399.825	50.19	--	42.5	-0.08	68.2	--	--	18.01	91.00	100	Vertical	Pass
3277.465	45.93	--	36.9	-4.07	68.2	--	--	22.27	210.00	100	Vertical	Pass
4419.573	48.49	--	39.2	-2.04	68.2	--	--	19.71	331.00	100	Vertical	Pass
5178.478	82.20	--	74.9	0.46	--	--	--	--	11.00	100	Vertical	Pass

1 GHz to 7 GHz, ANT H Band IV 802.11n(HT20) Low channel



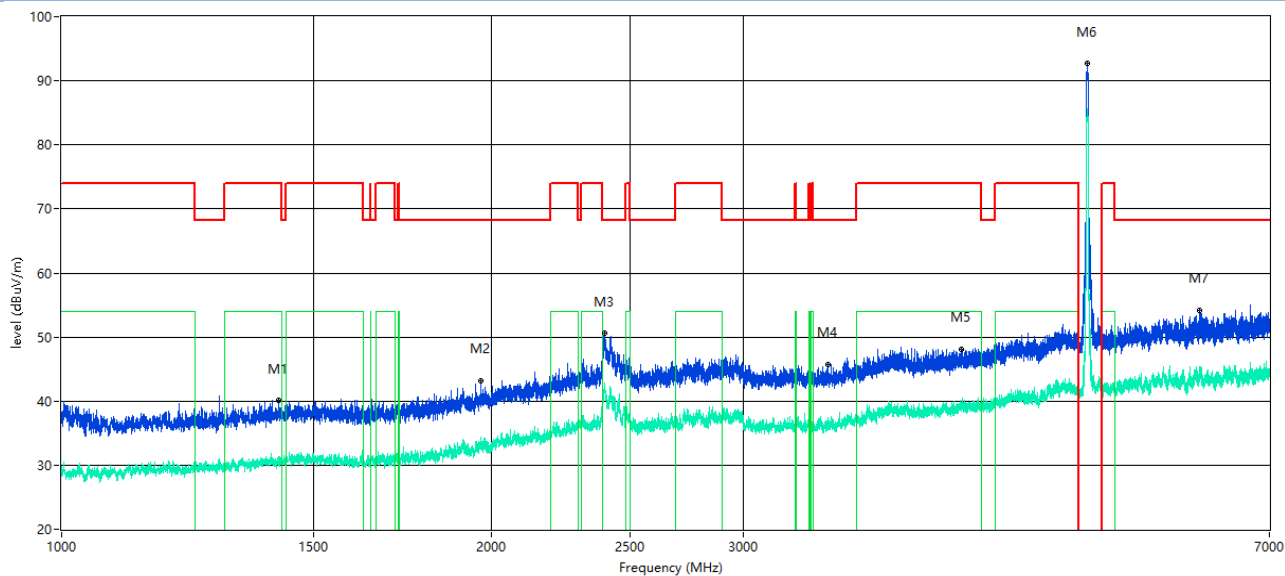
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1712.411	40.07	--	31.8	-11.63	68.2	--	--	28.13	108.00	100	Horizontal	Pass
2420.822	50.12	--	42.6	-0.79	68.2	--	--	18.08	315.00	100	Horizontal	Pass
3587.927	46.26	--	37.1	-4.61	68.2	--	--	21.94	76.00	100	Horizontal	Pass
4734.158	49.67	--	40.7	-0.25	74.0	--	54.0	13.30	28.00	100	Horizontal	Pass
5183.727	89.78	--	81.3	0.38	--	--	--	--	105.00	100	Horizontal	Pass
6273.716	53.41	--	44.4	4.65	68.2	--	--	14.79	16.00	100	Horizontal	Pass

1 GHz to 7 GHz, ANT V Band IV 802.11n(HT20) Middle channel



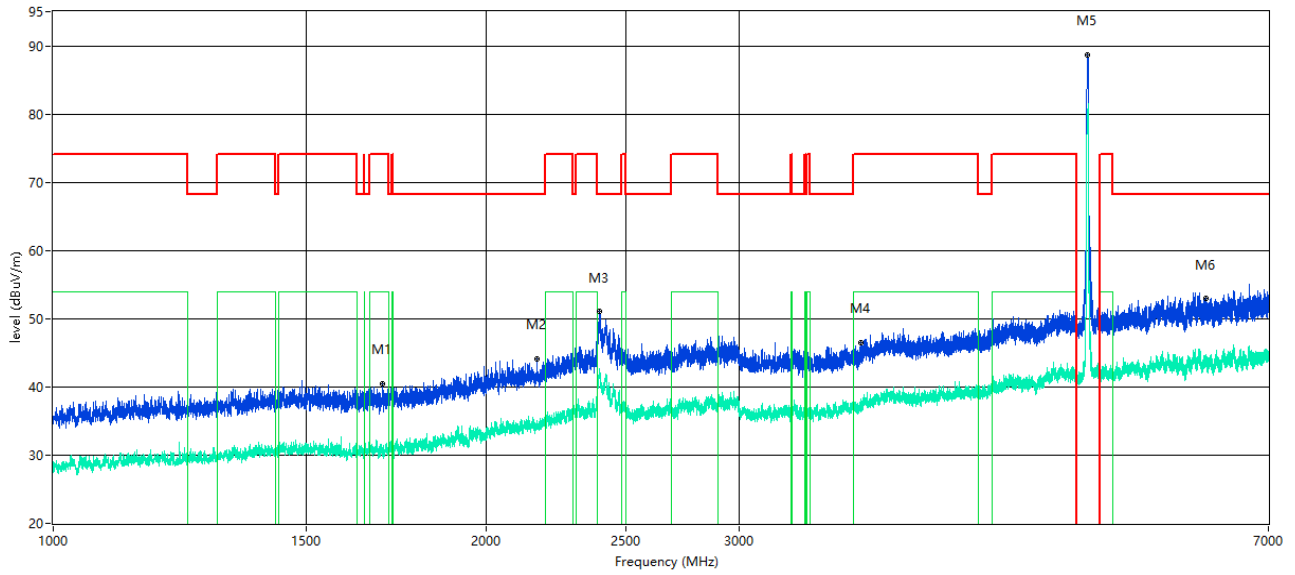
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1757.905	40.61	--	31.9	-10.74	68.2	--	--	27.59	101.00	100	Vertical	Pass
2397.825	50.80	--	42.1	-0.03	68.2	--	--	17.40	51.00	100	Vertical	Pass
3355.081	45.51	--	36.2	-5.59	74.0	--	54.0	17.80	315.00	100	Vertical	Pass
4381.702	48.89	--	39.1	-1.86	74.0	--	54.0	14.90	223.00	100	Vertical	Pass
5221.972	86.29	--	78.8	0.65	--	--	--	--	88.00	100	Vertical	Pass
6266.217	53.35	--	44.3	4.37	68.2	--	--	14.85	11.00	100	Vertical	Pass

1 GHz to 7 GHz, ANT H Band IV 802.11n(HT20) Middle channel



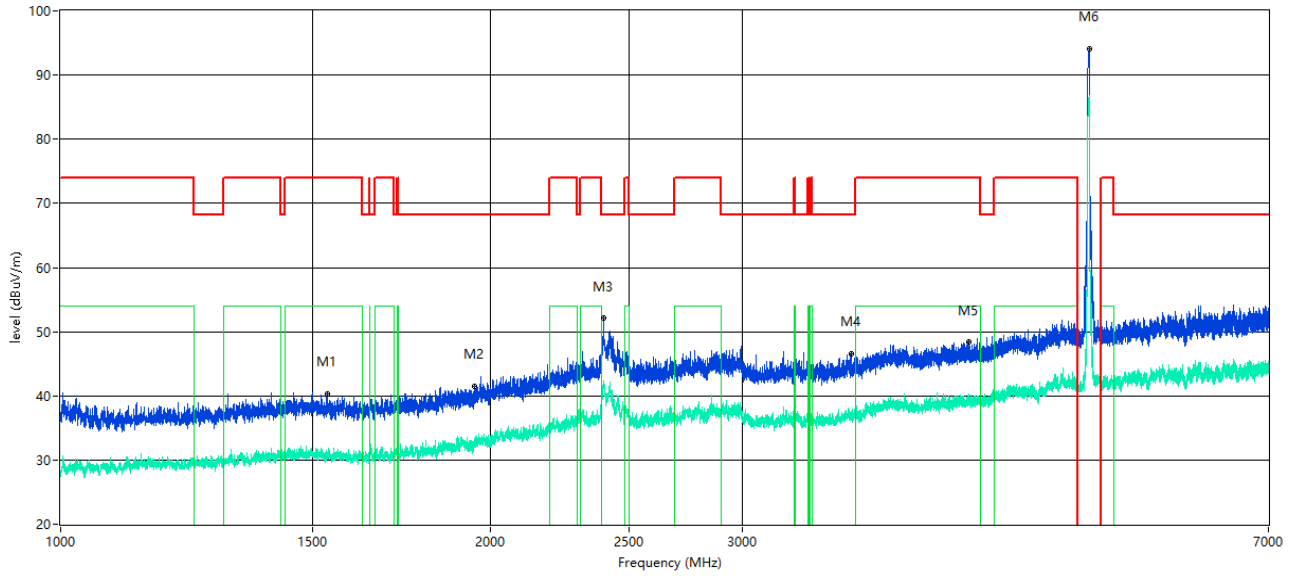
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1418.948	40.11	--	30.7	-11.74	74.0	--	54.0	23.30	98.00	100	Horizontal	Pass
1965.129	43.20	--	33.3	-8.96	68.2	--	--	25.00	113.00	100	Horizontal	Pass
2398.075	50.60	--	42.5	-0.03	68.2	--	--	17.60	165.00	100	Horizontal	Pass
3436.445	45.70	--	35.8	-4.91	68.2	--	--	22.50	48.00	100	Horizontal	Pass
4263.592	48.07	--	39.3	-1.80	74.0	--	54.0	14.70	381.00	100	Horizontal	Pass
5224.222	92.71	--	84.8	0.64	--	--	--	--	82.00	100	Horizontal	Pass
6259.343	54.24	--	45.1	4.64	68.2	--	--	13.96	6.00	100	Horizontal	Pass

1 GHz to 7 GHz, ANT V Band IV 802.11n(HT20) High channel



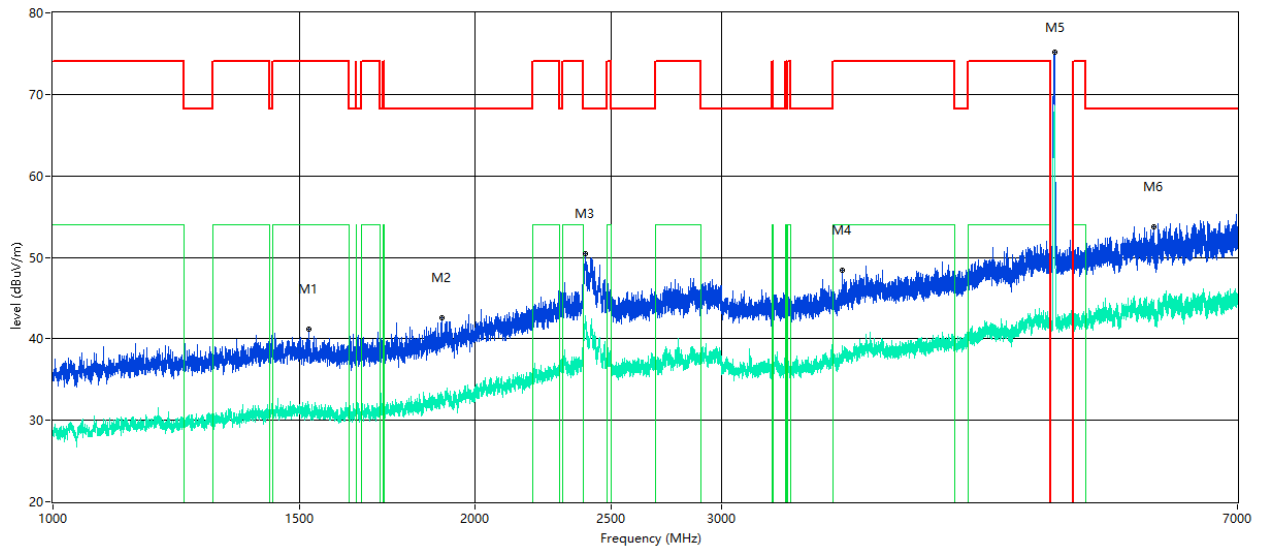
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1695.413	40.45	--	30.8	-11.97	74.0	--	54.0	23.20	328.00	100	Vertical	Pass
2169.104	44.14	--	34.7	-7.28	68.2	--	--	24.06	41.00	100	Vertical	Pass
2397.575	51.04	--	42.7	-0.02	68.2	--	--	17.16	105.00	100	Vertical	Pass
3643.420	46.48	--	37.6	-3.86	74.0	--	54.0	16.40	81.00	100	Vertical	Pass
5242.595	88.66	--	80.7	0.82	--	--	--	--	163.00	100	Vertical	Pass
6332.458	52.92	--	43.6	4.75	68.2	--	--	15.28	12.00	100	Vertical	Pass

1 GHz to 7 GHz, ANT H Band IV 802.11n(HT20) High channel



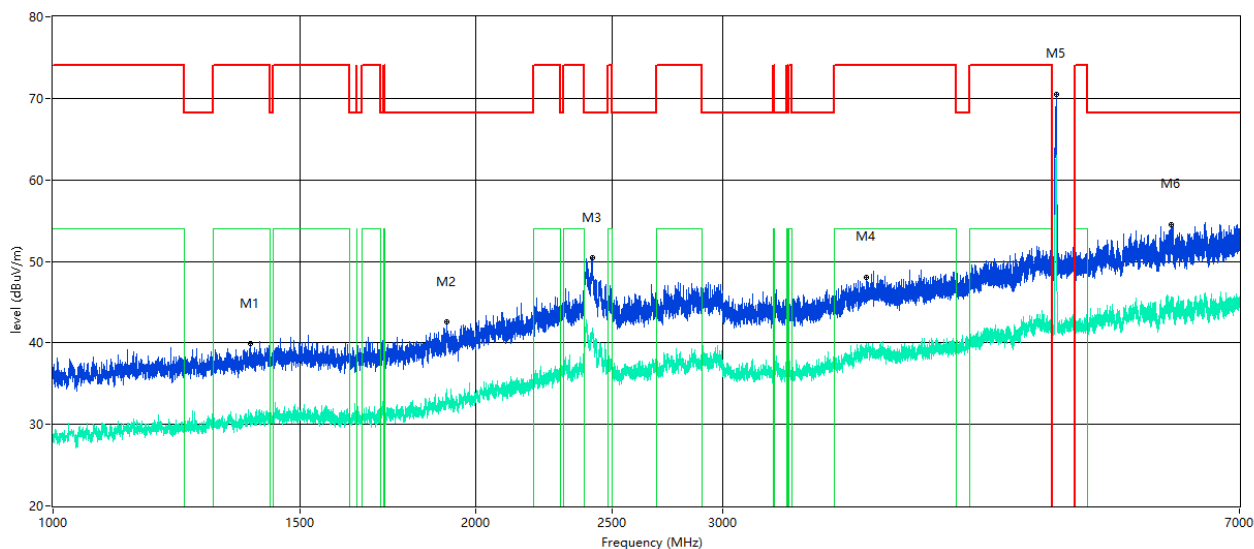
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1537.183	40.35	--	30.9	-11.77	74.0	--	54.0	23.10	138.00	100	Horizontal	Pass
1946.632	41.56	--	32.9	-9.40	68.2	--	--	26.64	130.00	100	Horizontal	Pass
2398.075	52.10	--	42.1	-0.03	68.2	--	--	16.10	161.00	100	Horizontal	Pass
3572.553	46.59	--	36.5	-4.71	68.2	--	--	21.61	62.00	100	Horizontal	Pass
4323.210	48.37	--	40.3	-2.05	74.0	--	54.0	13.70	222.00	100	Horizontal	Pass
5242.970	94.09	--	86.3	0.85	--	--	--	--	182.00	100	Horizontal	Pass

1 GHz to 7 GHz, ANT V Band IV 802.11ac(HT20) Low channel



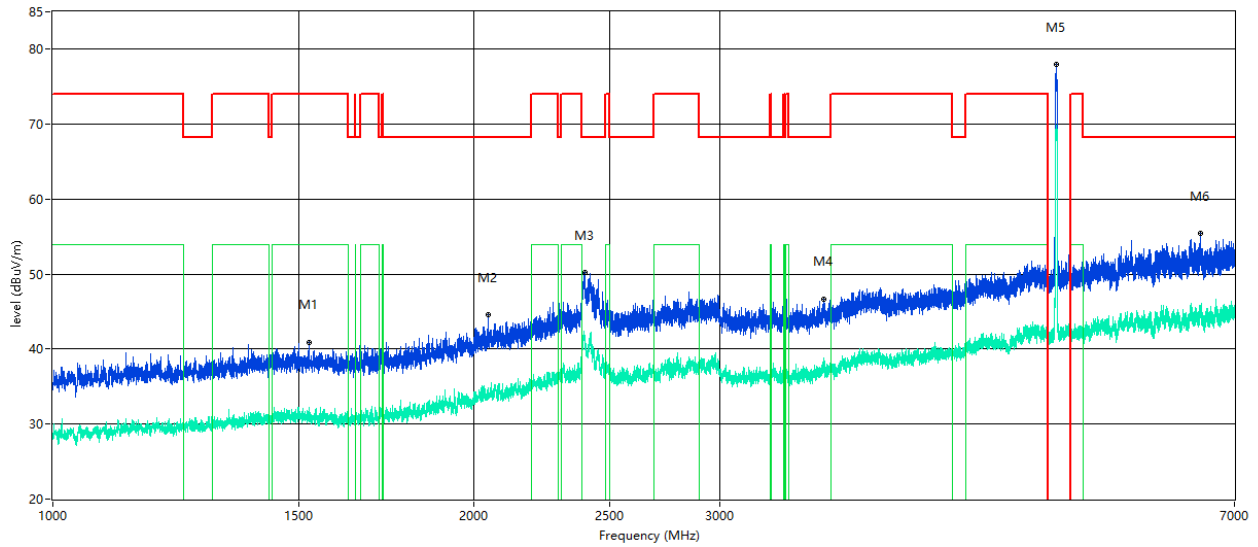
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1522.185	41.23	--	31.9	-11.68	74.0	--	54.0	22.10	35.00	100	Vertical	Pass
1893.138	42.56	--	33.2	-9.47	68.2	--	--	25.64	102.00	100	Vertical	Pass
2398.575	50.39	--	42.9	-0.05	68.2	--	--	17.81	227.00	100	Vertical	Pass
3659.168	48.41	--	39.2	-3.88	74.0	--	54.0	14.80	108.00	100	Vertical	Pass
5184.477	75.22	--	68.1	0.36	--	--	--	--	13.00	100	Vertical	Pass
6098.238	53.70	--	44.7	4.07	68.2	--	--	14.50	9.00	100	Vertical	Pass

1 GHz to 7 GHz, ANT H Band IV 802.11ac(HT20) Low channel



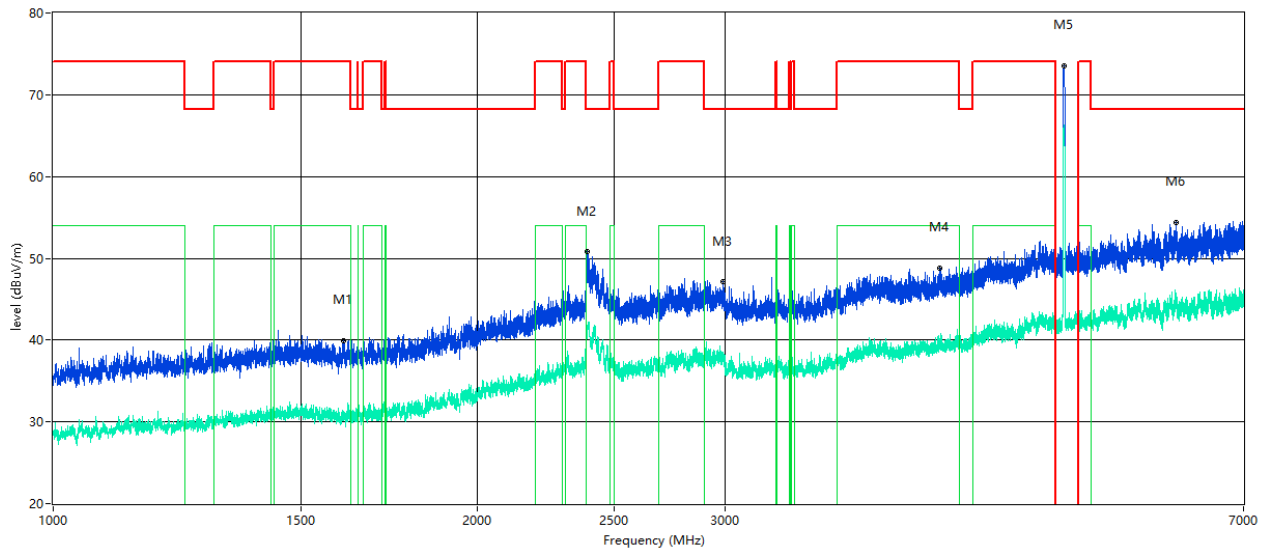
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1382.202	39.91	--	31.3	-12.08	74.0	--	54.0	22.70	161.60	100	Horizontal	Pass
1908.136	42.57	--	33.1	-8.75	68.2	--	--	25.63	280.50	100	Horizontal	Pass
2424.322	50.40	--	41.8	-0.92	68.2	--	--	17.80	192.50	100	Horizontal	Pass
3793.026	48.09	--	38.7	-2.78	74.0	--	54.0	15.30	348.70	100	Horizontal	Pass
5183.727	70.45	--	63.0	0.38	--	--	--	--	360.00	100	Horizontal	Pass
6261.967	54.46	--	45.1	4.56	68.2	--	--	13.74	360.00	100	Horizontal	Pass

1 GHz to 7 GHz, ANT V Band IV 802.11ac(HT20) Middle channel



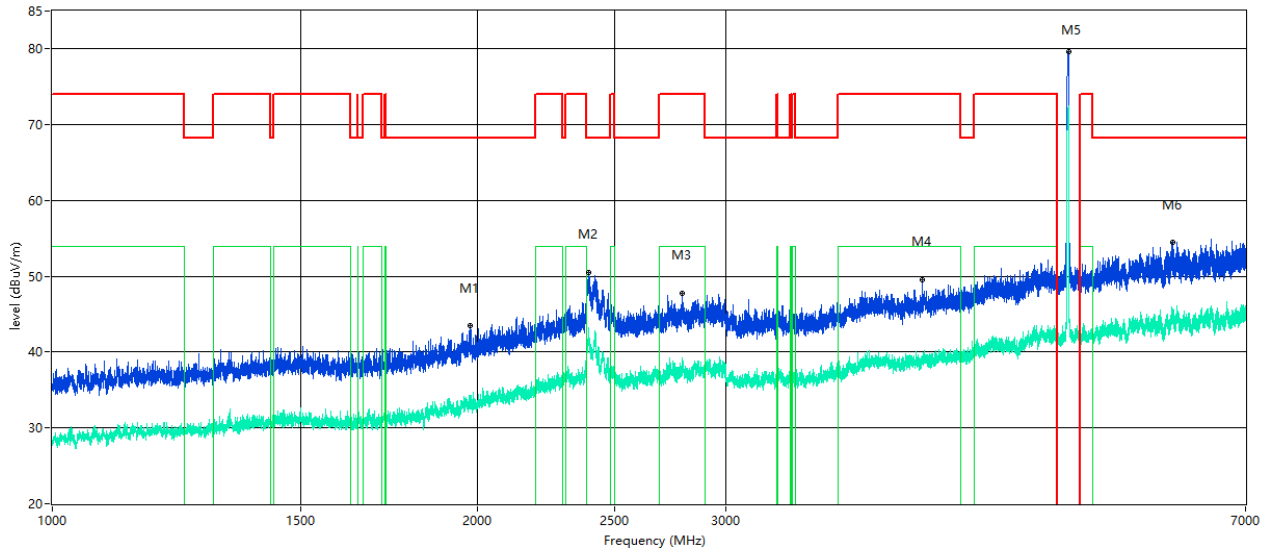
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1524.184	40.91	--	32.2	-11.66	74.0	--	54.0	21.80	89.00	100	Vertical	Pass
2048.619	44.54	--	34.6	-7.85	68.2	--	--	23.66	101.00	100	Vertical	Pass
2400.575	50.17	--	41.5	-0.10	68.2	--	--	18.03	231.00	100	Vertical	Pass
3557.930	46.60	--	37.7	-4.09	68.2	--	--	21.60	66.00	100	Vertical	Pass
5223.847	77.95	--	69.8	0.64	--	--	--	--	47.00	100	Vertical	Pass
6622.422	55.45	--	45.7	5.25	68.2	--	--	12.75	12.00	100	Vertical	Pass

1 GHz to 7 GHz, ANT H Band IV 802.11ac(HT20) Middle channel



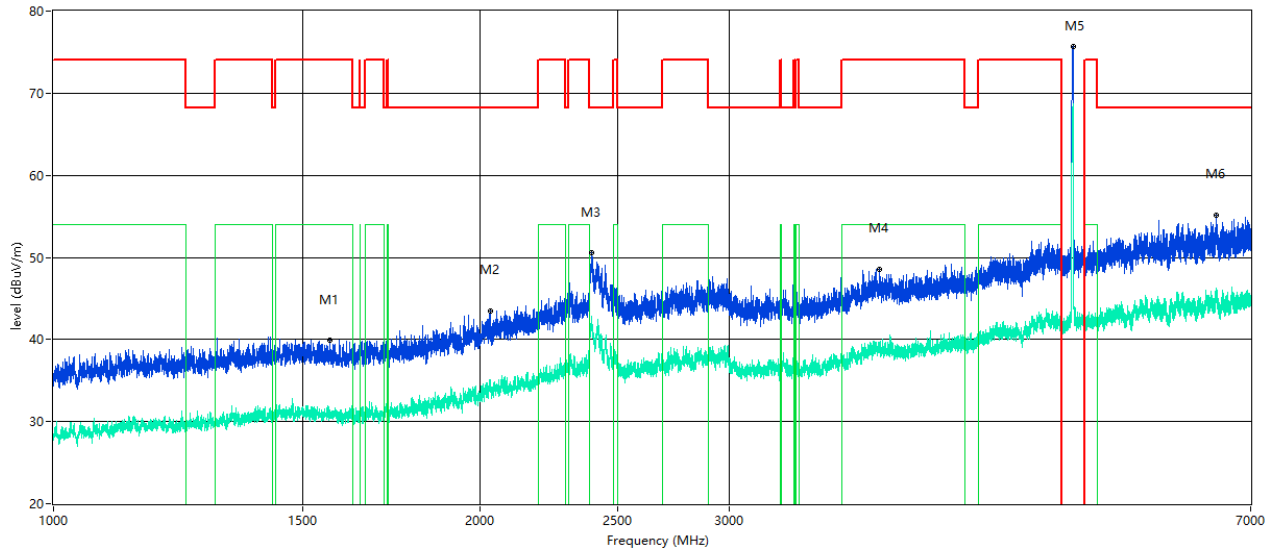
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1606.924	39.96	--	31.3	-11.89	74.0	--	54.0	22.70	75.00	100	Horizontal	Pass
2395.826	50.77	--	41.8	0.07	68.2	--	--	17.43	67.00	100	Horizontal	Pass
2987.502	47.17	--	38.5	-3.03	68.2	--	--	21.03	285.00	100	Horizontal	Pass
4260.592	48.81	--	39.9	-1.76	74.0	--	54.0	14.10	27.00	100	Horizontal	Pass
5218.223	73.58	--	66.1	0.65	--	--	--	--	185.00	100	Horizontal	Pass
6269.216	54.41	--	44.6	4.26	68.2	--	--	13.79	5.00	100	Horizontal	Pass

1 GHz to 7 GHz, ANT V Band IV 802.11ac(HT20) High channel



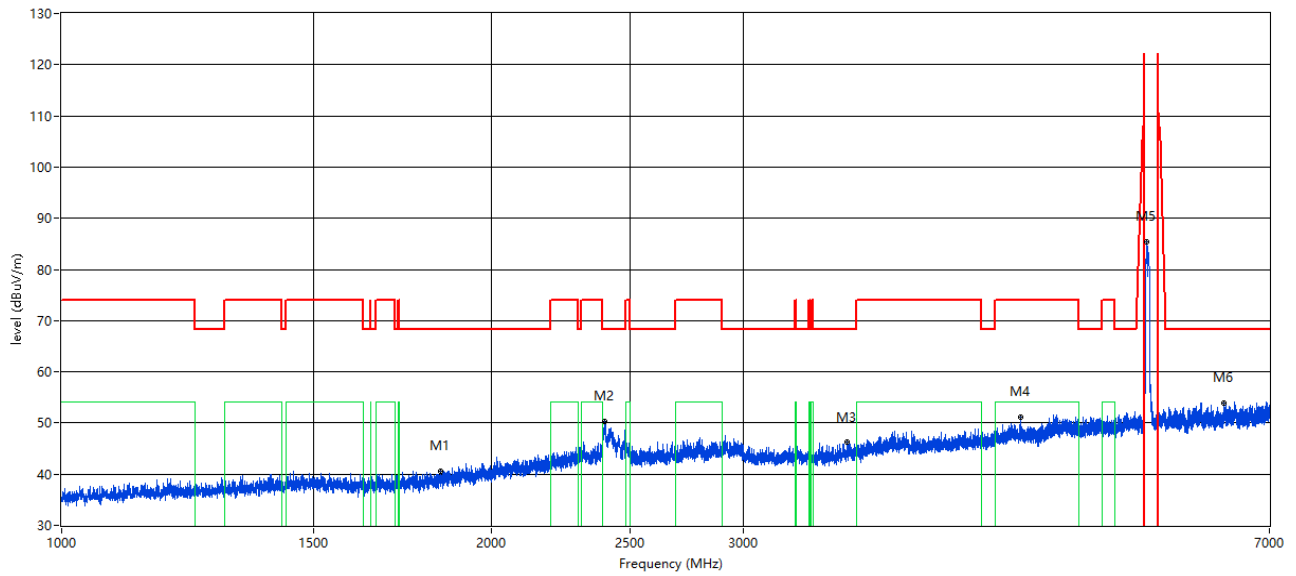
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1978.128	43.53	--	33.6	-8.49	68.2	--	--	24.67	103.00	100	Vertical	Pass
2397.825	50.55	--	42.8	-0.03	68.2	--	--	17.65	89.00	100	Vertical	Pass
2794.026	47.73	--	39.2	-2.92	74.0	--	54.0	14.80	162.00	100	Vertical	Pass
4130.859	49.56	--	38.9	-2.33	74.0	--	54.0	15.10	18.00	100	Vertical	Pass
5244.094	79.66	--	71.3	0.93	--	--	--	--	138.00	100	Vertical	Pass
6220.972	54.50	--	44.9	4.59	68.2	--	--	13.70	14.00	100	Vertical	Pass

1 GHz to 7 GHz, ANT H Band IV 802.11ac(HT20) High channel



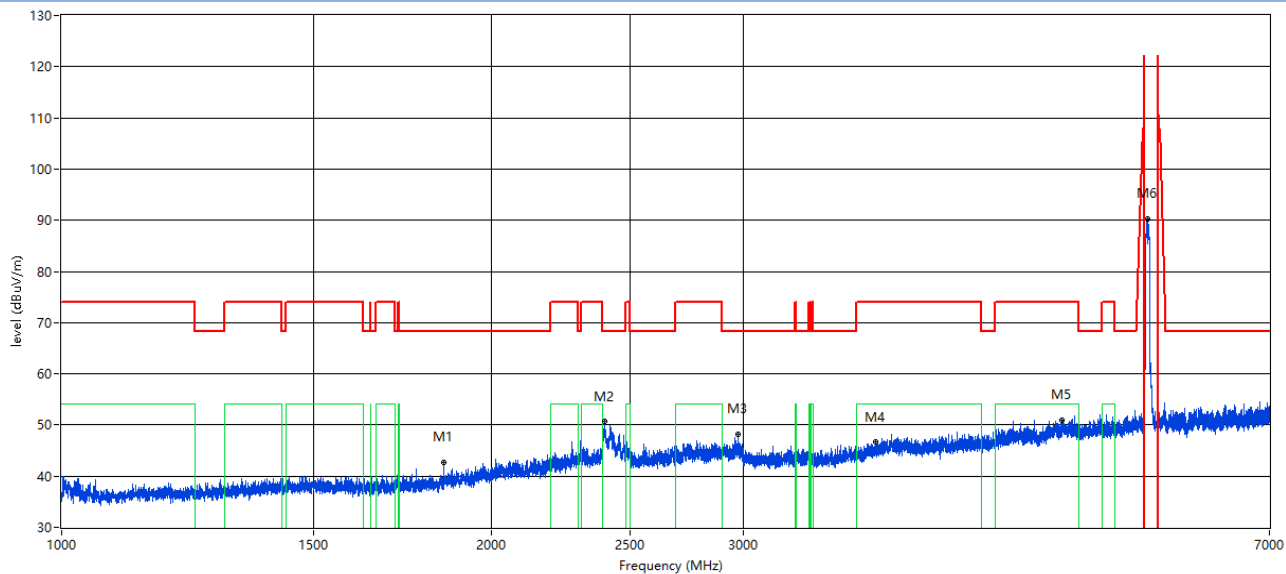
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1566.429	39.91	--	31.2	-11.77	74.0	--	54.0	22.80	218.00	100	Horizontal	Pass
2033.871	43.53	--	35.1	-7.81	68.2	--	--	24.67	78.20	100	Horizontal	Pass
2398.825	50.55	--	42.2	-0.05	68.2	--	--	17.65	334.10	100	Horizontal	Pass
3826.772	48.59	--	39.4	-2.90	74.0	--	54.0	14.60	359.20	100	Horizontal	Pass
5244.844	75.75	--	68.2	0.99	--	--	--	--	4.00	100	Horizontal	Pass
6617.548	55.20	--	46.0	5.49	68.2	--	--	13.00	13.00	100	Horizontal	Pass

1 GHz to 7 GHz, ANT V Band IV 802.11n(HT40) Low channel



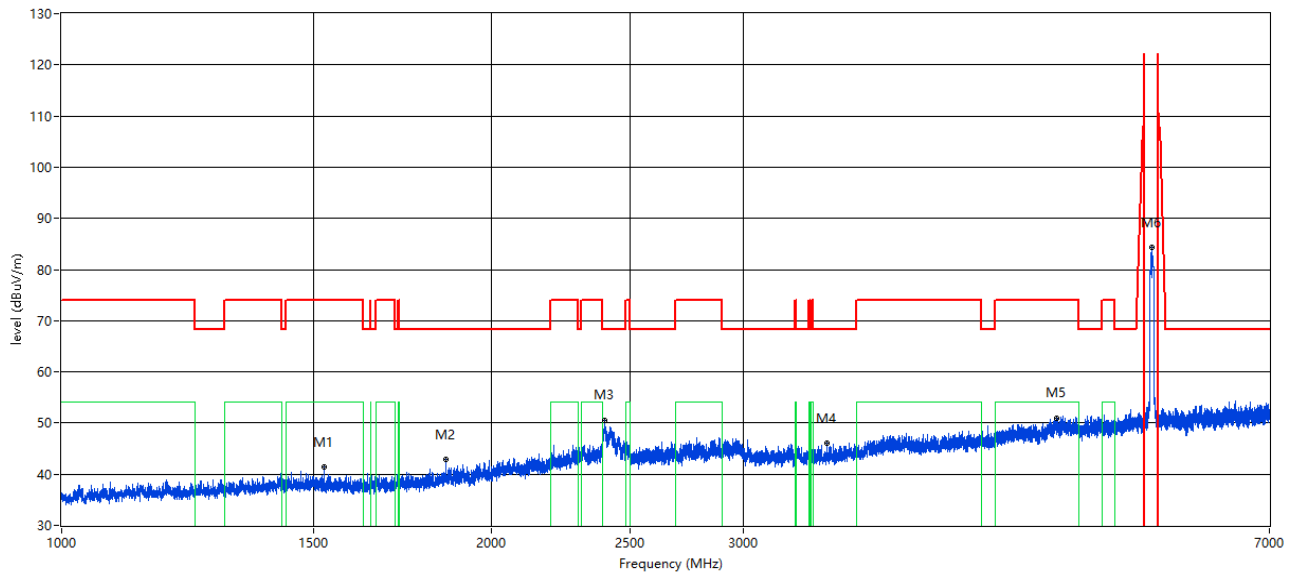
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1841.895	40.59	--	--	-9.87	68.2	--	--	27.61	185.00	100	Vertical	Pass
2397.575	50.39	--	--	-0.02	68.2	--	--	17.81	29.00	100	Vertical	Pass
3546.682	46.21	--	--	-4.26	68.2	--	--	21.99	310.00	100	Vertical	Pass
4687.664	51.14	--	--	-0.15	74.0	--	54.0	2.86	3.00	100	Vertical	Pass
5743.907	85.43	--	--	1.95	--	--	--	--	185.00	100	Vertical	Pass
6503.312	53.82	--	--	5.15	68.2	--	--	14.38	63.00	100	Vertical	Pass

1 GHz to 7 GHz, ANT H Band IV 802.11n(HT40) Low channel



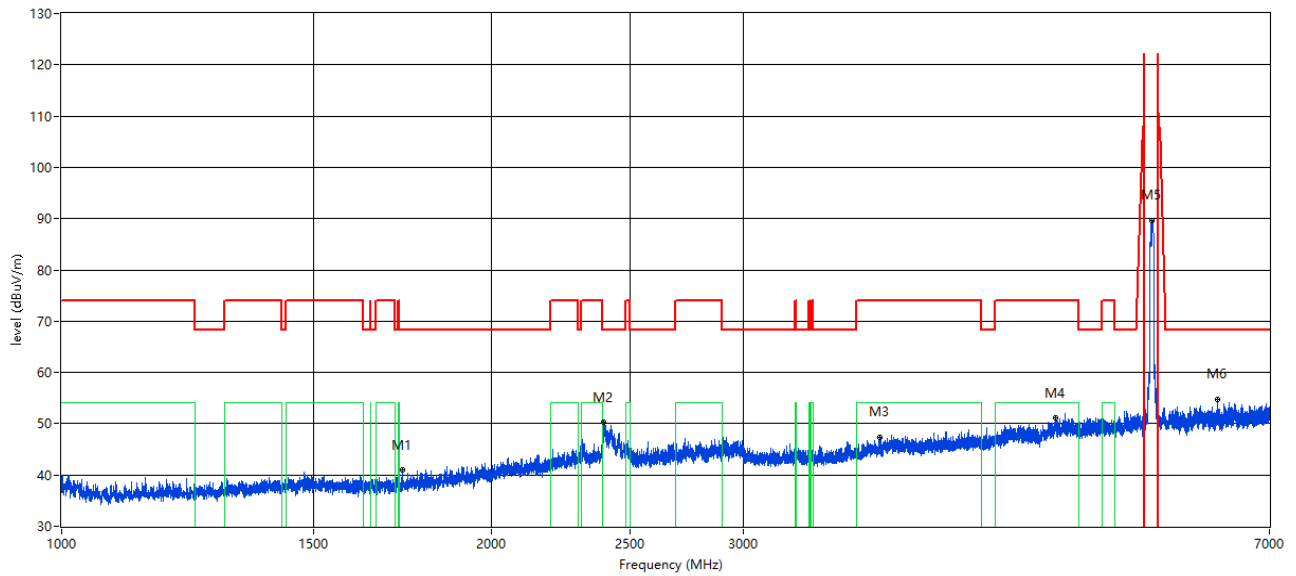
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1851.144	42.78	--	--	-10.30	68.2	--	--	25.42	48.00	100	Horizontal	Pass
2397.325	50.76	--	--	-0.01	68.2	--	--	17.44	104.00	100	Horizontal	Pass
2974.003	48.24	--	--	-3.09	68.2	--	--	19.96	31.00	100	Horizontal	Pass
3709.411	46.65	--	--	-3.76	74.0	--	54.0	7.35	185.00	100	Horizontal	Pass
5014.998	50.95	--	--	0.71	74.0	--	54.0	3.05	121.00	100	Horizontal	Pass
5752.906	90.25	--	--	1.79	--	--	--	--	12.00	100	Horizontal	Pass

1 GHz to 7 GHz, ANT V Band IV 802.11n(HT40) High channel



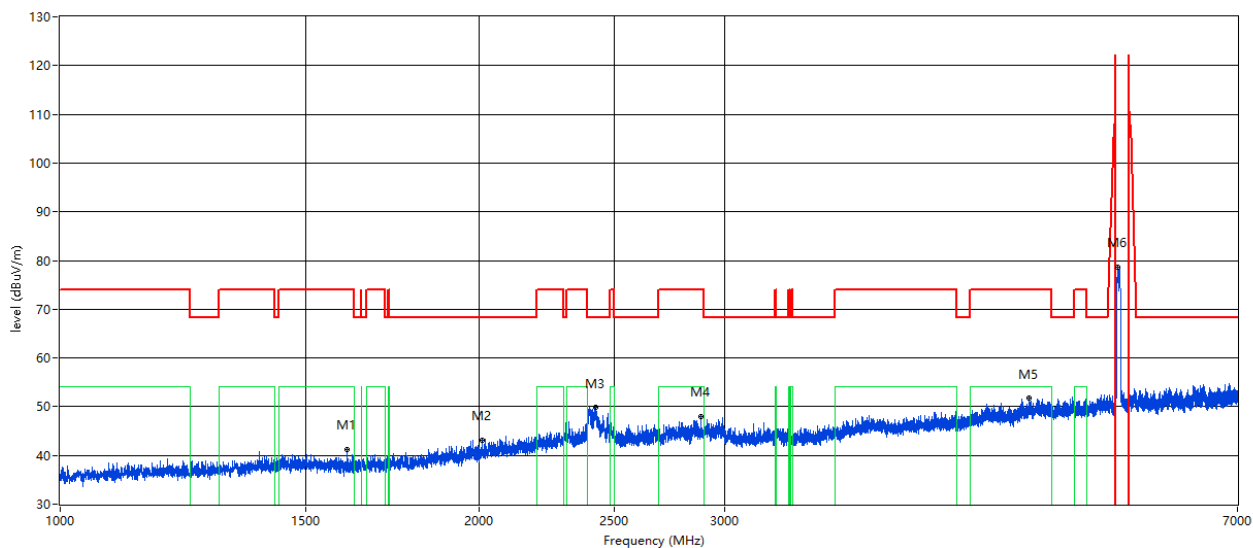
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
1526.934	41.36	--	--	-11.97	74.0	--	54.0	12.64	47.00	100	Vertical	Pass
1857.143	42.83	--	--	-9.96	68.2	--	--	25.37	102.00	100	Vertical	Pass
2398.325	50.48	--	--	-0.04	68.2	--	--	17.72	313.00	100	Vertical	Pass
3429.321	45.98	--	--	-5.03	68.2	--	--	22.22	18.00	100	Vertical	Pass
4967.004	50.96	--	--	1.24	74.0	--	54.0	3.04	66.00	100	Vertical	Pass
5793.026	84.26	--	--	2.54	--	--	--	--	11.00	100	Vertical	Pass

1 GHz to 7 GHz, ANT H Band IV 802.11n(HT40) High channel



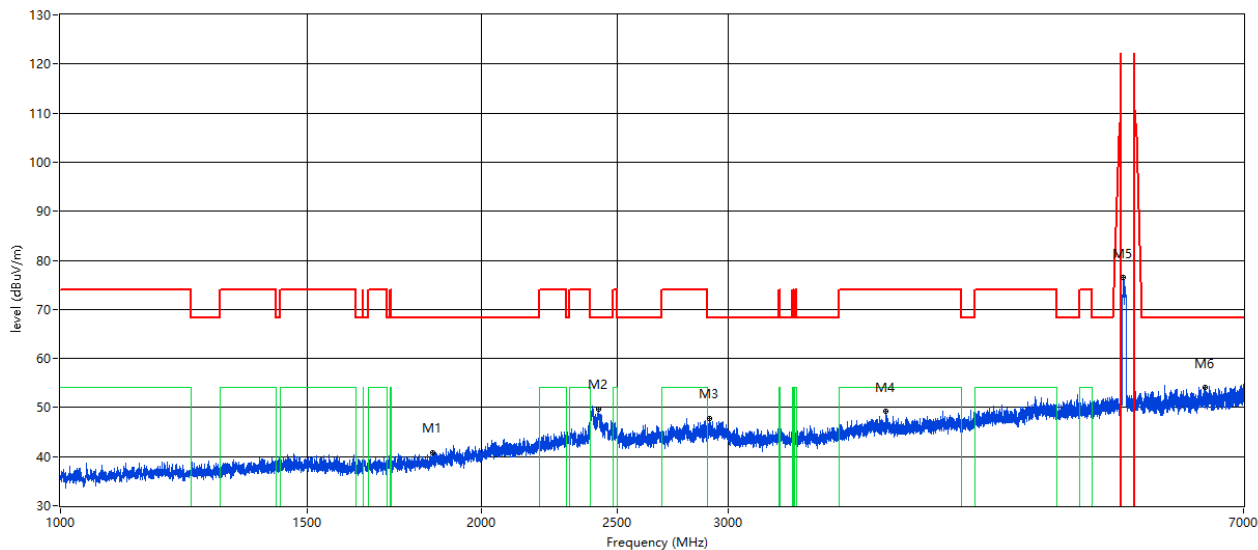
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1731.159	40.94	--	--	-11.11	68.2	--	--	27.26	101.00	100	Horizontal	Pass
2396.325	50.19	--	--	0.05	68.2	--	--	18.01	128.00	100	Horizontal	Pass
3740.157	47.42	--	--	-2.85	74.0	--	54.0	6.58	218.00	100	Horizontal	Pass
4959.130	51.17	--	--	0.99	74.0	--	54.0	2.83	23.00	100	Horizontal	Pass
5792.276	89.53	--	--	2.52	--	--	--	--	98.00	100	Horizontal	Pass
6441.195	54.69	--	--	4.32	68.2	--	--	13.51	15.00	100	Horizontal	Pass

1 GHz to 7 GHz, ANT V Band IV 802.11ac(HT40) Low channel



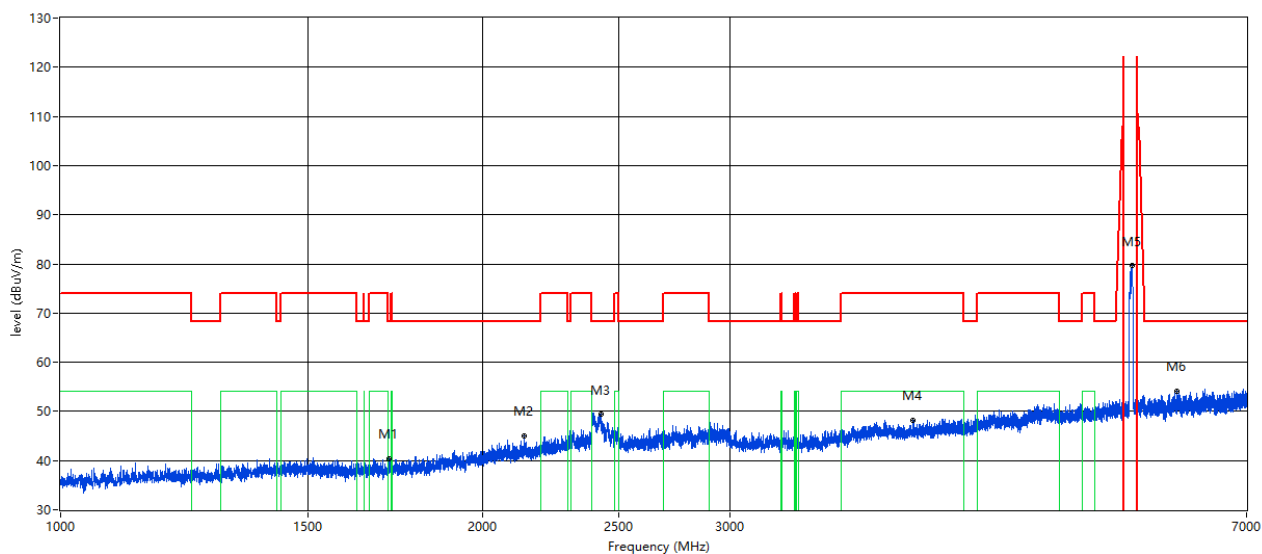
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
1607.424	41.12	--	--	-11.83	74.0	--	54.0	12.88	105.00	100	Vertical	Pass
2007.874	43.14	--	--	-8.31	68.2	--	--	25.06	51.00	100	Vertical	Pass
2423.822	49.95	--	--	-0.90	68.2	--	--	18.25	28.00	100	Vertical	Pass
2882.515	47.95	--	--	-3.04	74.0	--	54.0	6.05	334.00	100	Vertical	Pass
4962.880	51.70	--	--	1.30	74.0	--	54.0	2.30	118.00	100	Vertical	Pass
5746.532	78.67	--	--	1.92	--	--	--	--	62.00	100	Vertical	Pass

1 GHz to 7 GHz, ANT H Band IV 802.11ac(HT40) Low channel



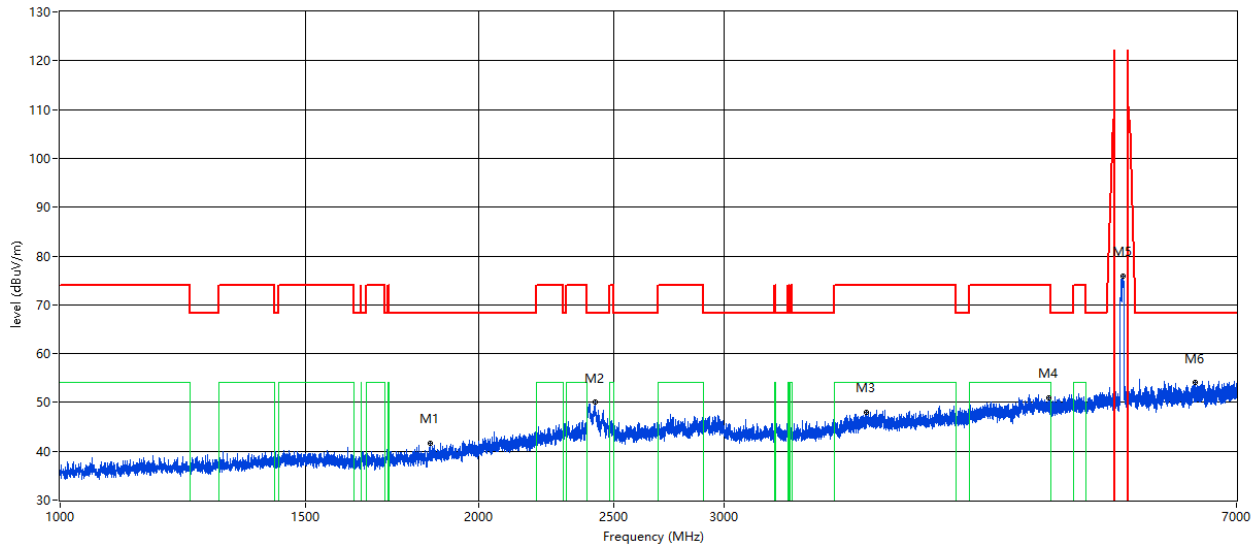
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1845.144	40.85	--	--	-10.20	68.2	--	--	27.35	218.00	100	Horizontal	Pass
2423.572	49.61	--	--	-0.89	68.2	--	--	18.59	155.00	100	Horizontal	Pass
2909.261	47.80	--	--	-3.44	68.2	--	--	20.40	136.00	100	Horizontal	Pass
3888.639	49.20	--	--	-3.23	74.0	--	54.0	4.80	126.00	100	Horizontal	Pass
5742.032	76.51	--	--	1.92	--	--	--	--	315.00	100	Horizontal	Pass
6576.178	54.06	--	--	5.32	68.2	--	--	14.14	345.00	100	Horizontal	Pass

1 GHz to 7 GHz, ANT V Band IV 802.11ac(HT40) High channel



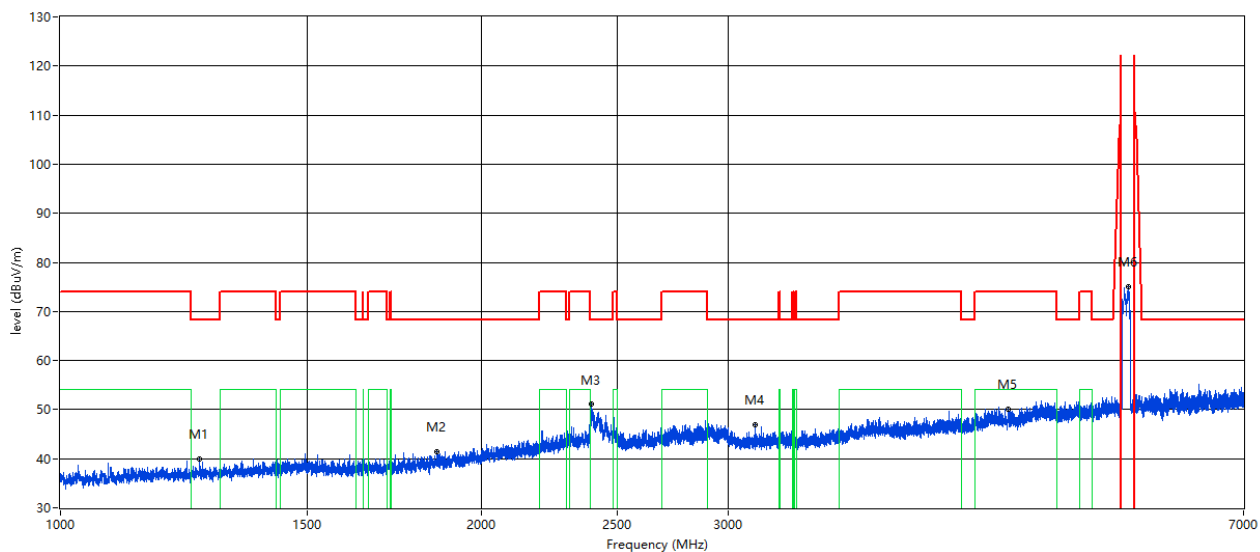
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1715.411	40.40	--	--	-11.31	68.2	--	--	27.80	105.00	100	Vertical	Pass
2141.107	45.07	--	--	-7.13	68.2	--	--	23.13	13.00	100	Vertical	Pass
2425.572	49.48	--	--	-0.98	68.2	--	--	18.72	78.00	100	Vertical	Pass
4047.994	48.20	--	--	-2.96	74.0	--	54.0	5.80	229.00	100	Vertical	Pass
5799.400	79.61	--	--	2.34	--	--	--	--	6.00	100	Vertical	Pass
6249.469	54.07	--	--	3.81	68.2	--	--	14.13	335.00	100	Vertical	Pass

1 GHz to 7 GHz, ANT H Band IV 802.11ac(HT40) High channel



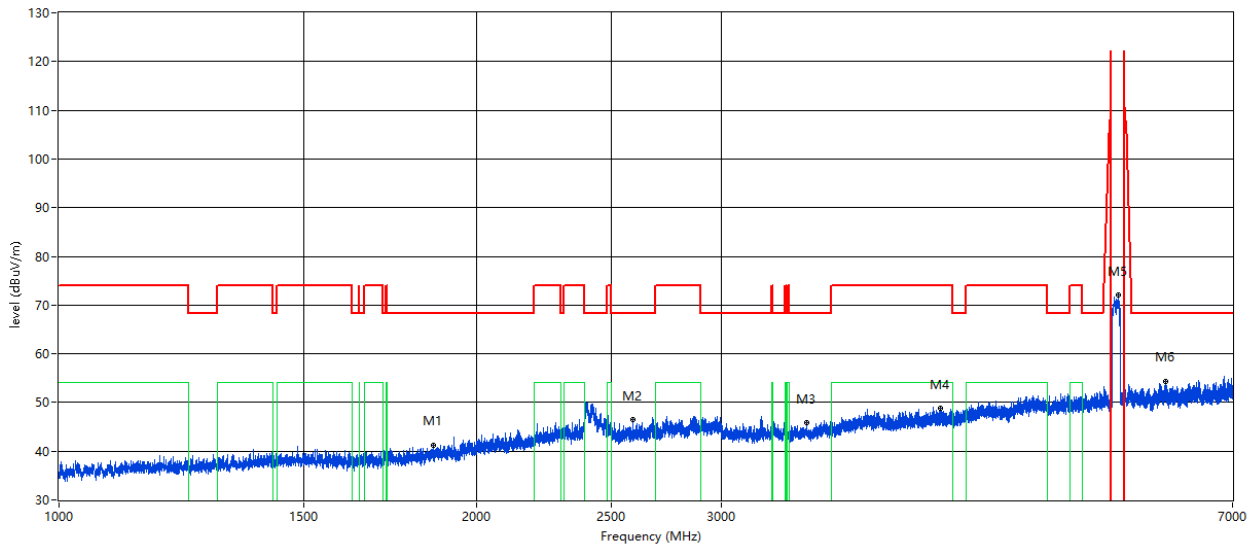
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
1843.145	41.62	--	--	-9.81	68.2	--	--	26.58	224.00	100	Horizontal	Pass
2423.822	50.00	--	--	-0.90	68.2	--	--	18.20	5.00	100	Horizontal	Pass
3793.776	48.07	--	--	-2.77	74.0	--	54.0	5.93	328.00	100	Horizontal	Pass
5131.234	50.99	--	--	1.09	74.0	--	54.0	3.01	316.00	100	Horizontal	Pass
5800.900	75.93	--	--	2.36	--	--	--	--	107.00	100	Horizontal	Pass
6536.683	54.04	--	--	4.30	68.2	--	--	14.16	217.00	100	Horizontal	Pass

1 GHz to 7 GHz, ANT V Band IV 802.11ac(HT80) Low channel



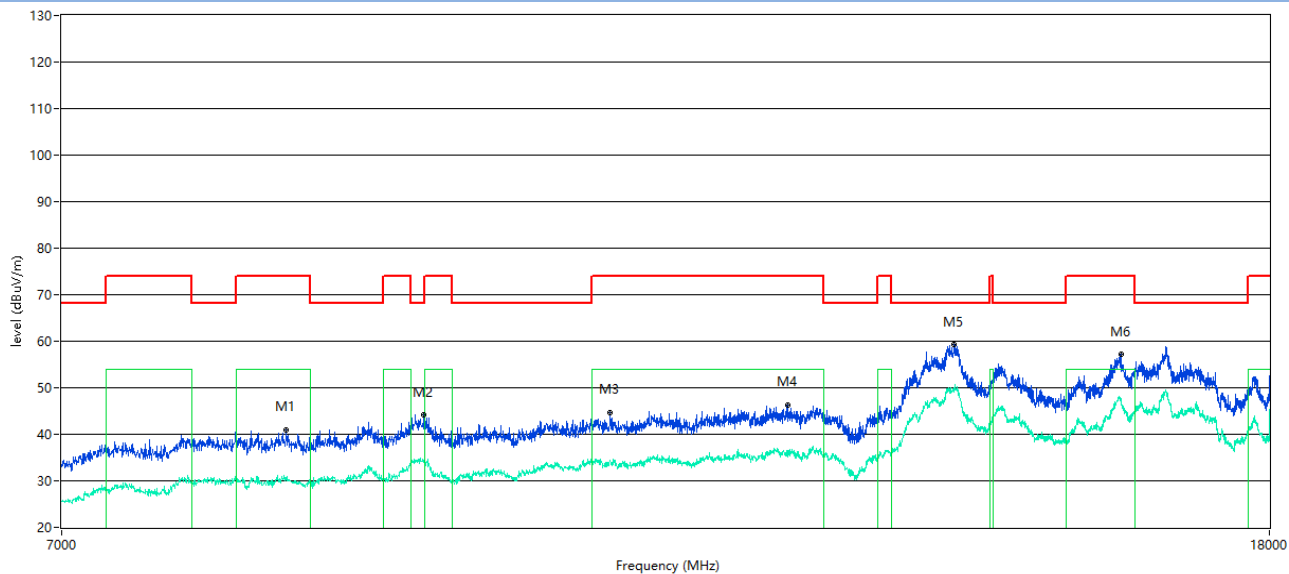
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1256.468	40.02	--	--	-12.34	68.2	--	--	28.18	105.00	100	Vertical	Pass
1858.393	41.34	--	--	-9.99	68.2	--	--	26.86	81.00	100	Vertical	Pass
2396.075	51.04	--	--	0.06	68.2	--	--	17.16	14.00	100	Vertical	Pass
3136.483	46.83	--	--	-4.89	68.2	--	--	21.37	173.00	100	Vertical	Pass
4757.030	50.17	--	--	-0.56	74.0	--	54.0	3.83	9.00	100	Vertical	Pass
5796.400	75.09	--	--	2.47	--	--	--	--	85.00	100	Vertical	Pass

1 GHz to 7 GHz, ANT H Band IV 802.11ac(HT80) Low channel



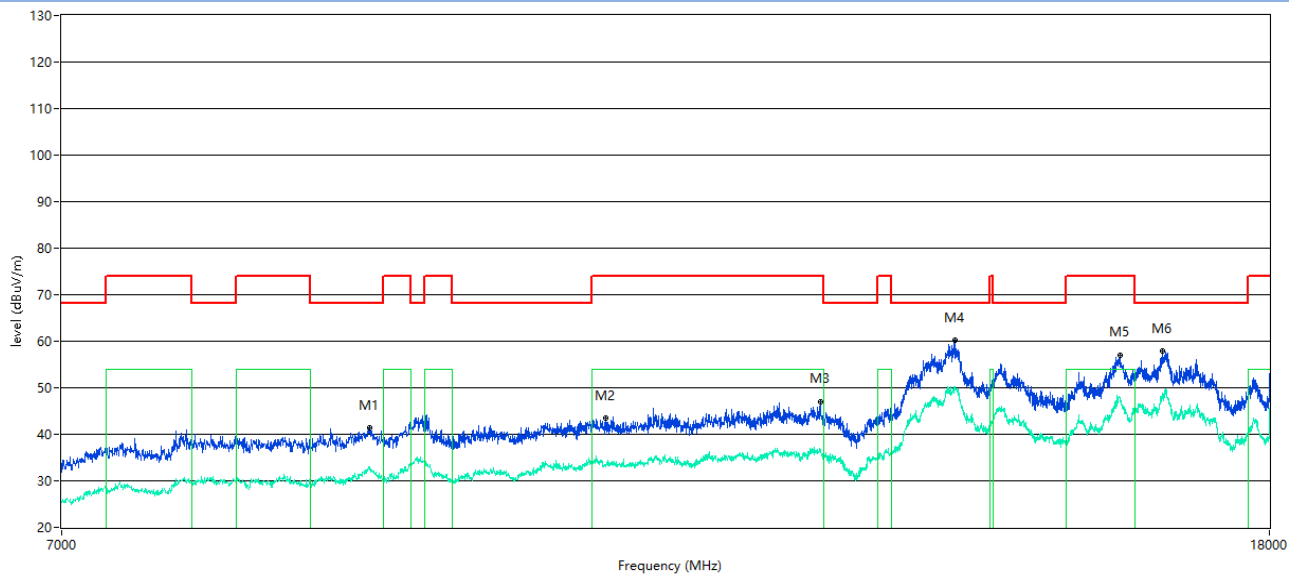
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
1859.393	41.25	--	--	-10.12	68.2	--	--	26.95	135.90	100	Horizontal	Pass
2589.051	46.40	--	--	-5.62	68.2	--	--	21.80	171.50	100	Horizontal	Pass
3455.943	45.76	--	--	-4.68	68.2	--	--	22.44	252.80	100	Horizontal	Pass
4314.586	48.73	--	--	-2.02	74.0	--	54.0	5.27	277.00	100	Horizontal	Pass
5789.276	72.00	--	--	2.44	--	--	--	--	215.50	100	Horizontal	Pass
6270.716	54.30	--	--	4.39	68.2	--	--	13.90	189.10	100	Horizontal	Pass

7 GHz to 18 GHz, ANT V Band I 802.11a Low channel



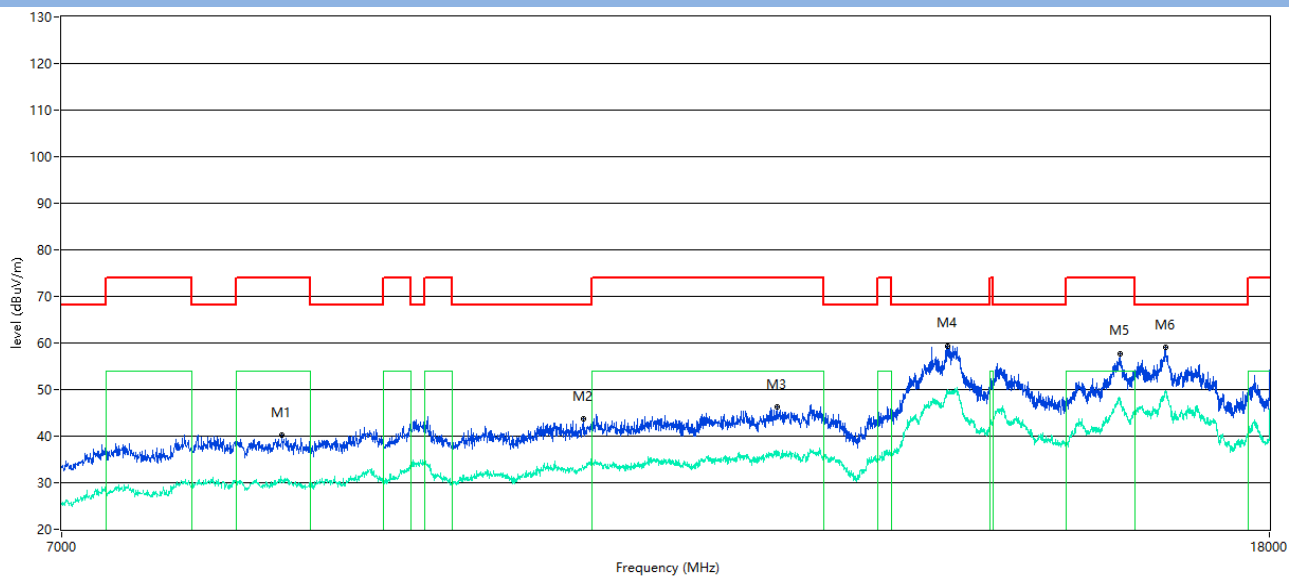
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
8344.414	41.04	--	30.7	-6.90	74.0	--	54.0	23.30	83.00	100	Vertical	Pass
9292.927	44.14	--	34.1	-4.01	68.2	--	--	24.06	45.00	100	Vertical	Pass
10750.062	44.68	--	34.4	-1.92	74.0	--	54.0	19.60	66.00	100	Vertical	Pass
12350.162	46.31	--	36.6	-0.65	74.0	--	54.0	17.40	104.00	100	Vertical	Pass
14068.483	59.25	--	49.5	14.56	68.2	--	--	8.95	264.00	100	Vertical	Pass
16028.743	57.16	--	47.3	9.83	74.0	--	54.0	6.70	4.00	100	Vertical	Pass

7 GHz to 18 GHz, ANT H Band I 802.11a Low channel



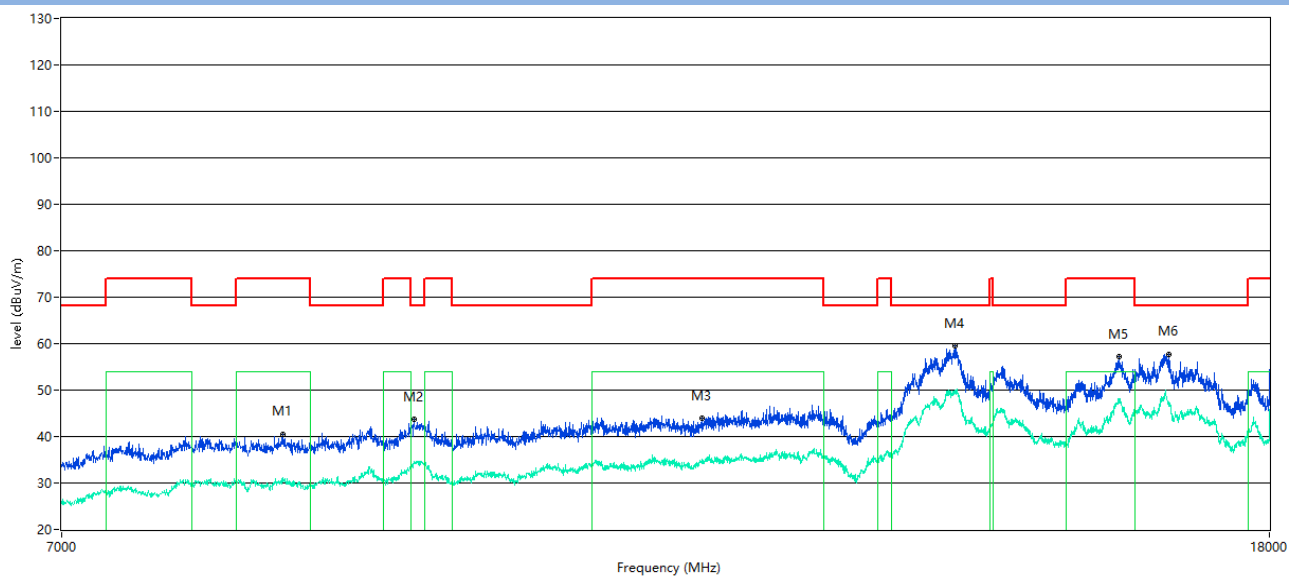
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
8905.274	41.37	--	33.0	-5.05	68.2	--	--	26.83	106.00	100	Horizontal	Pass
10708.823	43.40	--	33.4	-2.02	74.0	--	54.0	20.60	61.00	100	Horizontal	Pass
12669.083	46.99	--	36.7	0.17	74.0	--	54.0	17.30	181.00	100	Horizontal	Pass
14079.480	60.15	--	50.3	14.72	68.2	--	--	8.05	15.00	100	Horizontal	Pass
16012.247	57.05	--	47.8	10.34	74.0	--	54.0	6.20	215.00	100	Horizontal	Pass
16553.862	57.80	--	48.0	11.00	68.2	--	--	10.40	8.00	100	Horizontal	Pass

7 GHz to 18 GHz, ANT V Band I 802.11a Middle channel



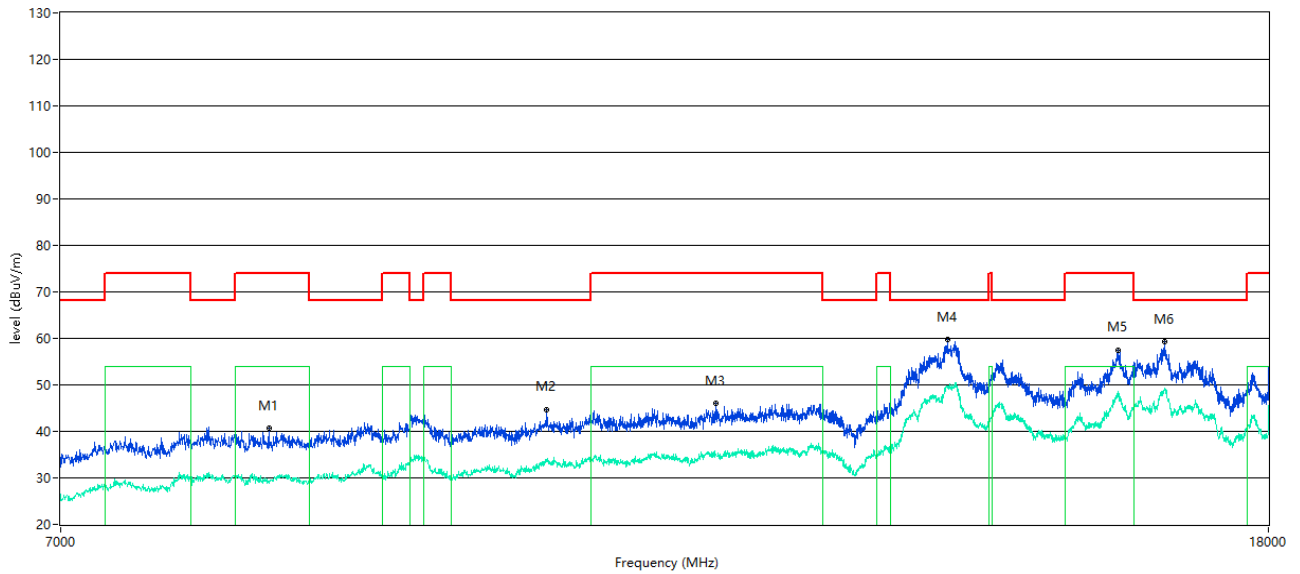
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
8316.921	40.17	--	30.6	-6.92	74.0	--	54.0	23.40	225.00	100	Vertical	Pass
10524.619	43.61	--	33.4	-2.49	68.2	--	--	24.59	10.00	100	Vertical	Pass
12248.438	46.26	--	36.2	-0.44	74.0	--	54.0	17.80	60.00	100	Vertical	Pass
13999.750	59.38	--	49.0	14.17	68.2	--	--	8.82	72.00	100	Vertical	Pass
16017.746	57.73	--	48.2	10.15	74.0	--	54.0	5.80	12.00	100	Vertical	Pass
16600.600	59.01	--	49.9	12.12	68.2	--	--	9.19	88.00	100	Vertical	Pass

7 GHz to 18 GHz, ANT H Band I 802.11a Middle channel



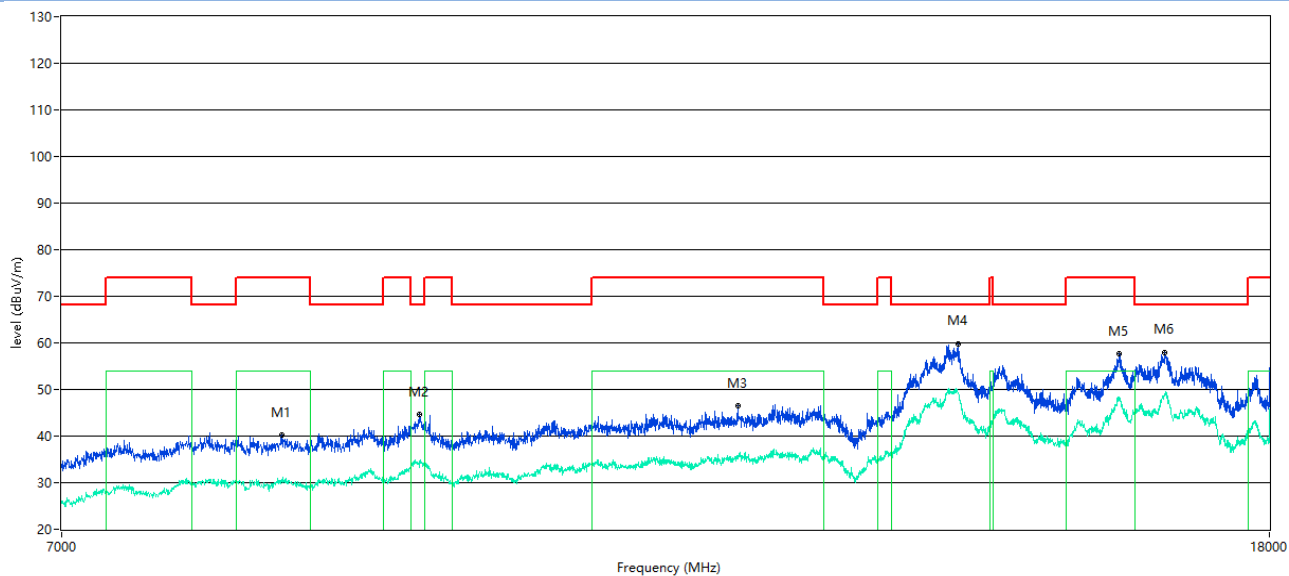
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
8319.670	40.53	--	31.1	-6.95	74.0	--	54.0	22.90	51.00	100	Horizontal	Pass
9221.445	43.64	--	34.7	-4.68	68.2	--	--	24.56	225.00	100	Horizontal	Pass
11547.363	43.95	--	35.2	-0.92	74.0	--	54.0	18.80	108.00	100	Horizontal	Pass
14076.731	59.55	--	49.7	14.65	68.2	--	--	8.65	11.00	100	Horizontal	Pass
16006.748	57.10	--	48.1	10.53	74.0	--	54.0	5.90	34.00	100	Horizontal	Pass
16636.341	57.68	--	47.3	10.91	68.2	--	--	10.52	4.00	100	Horizontal	Pass

7 GHz to 18 GHz, ANT V Band I 802.11a High channel



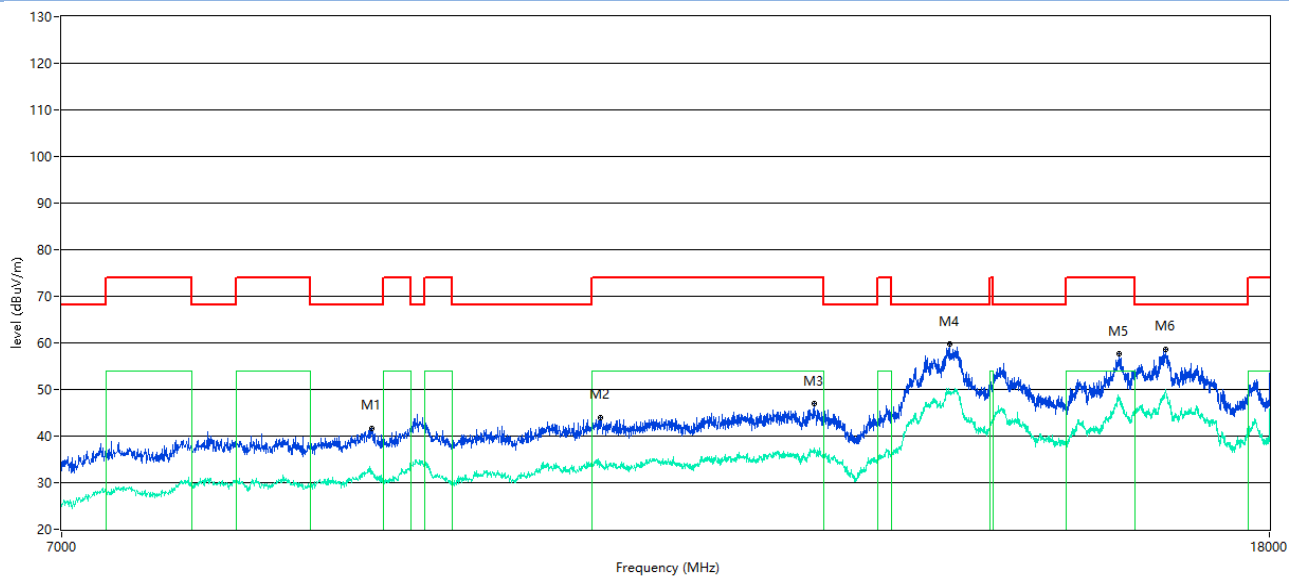
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
8237.191	40.65	--	29.3	-7.36	74.0	--	54.0	24.70	10.00	100	Vertical	Pass
10238.690	44.76	--	33.6	-2.21	68.2	--	--	23.44	6.00	100	Vertical	Pass
11684.829	45.99	--	35.0	-0.66	74.0	--	54.0	19.00	184.00	100	Vertical	Pass
14002.499	59.74	--	49.7	14.20	68.2	--	--	8.46	211.00	100	Vertical	Pass
16001.250	57.50	--	48.5	10.71	74.0	--	54.0	5.50	23.00	100	Vertical	Pass
16603.349	59.24	--	49.3	12.02	68.2	--	--	8.96	315.00	100	Vertical	Pass

7 GHz to 18 GHz, ANT H Band I 802.11a High channel



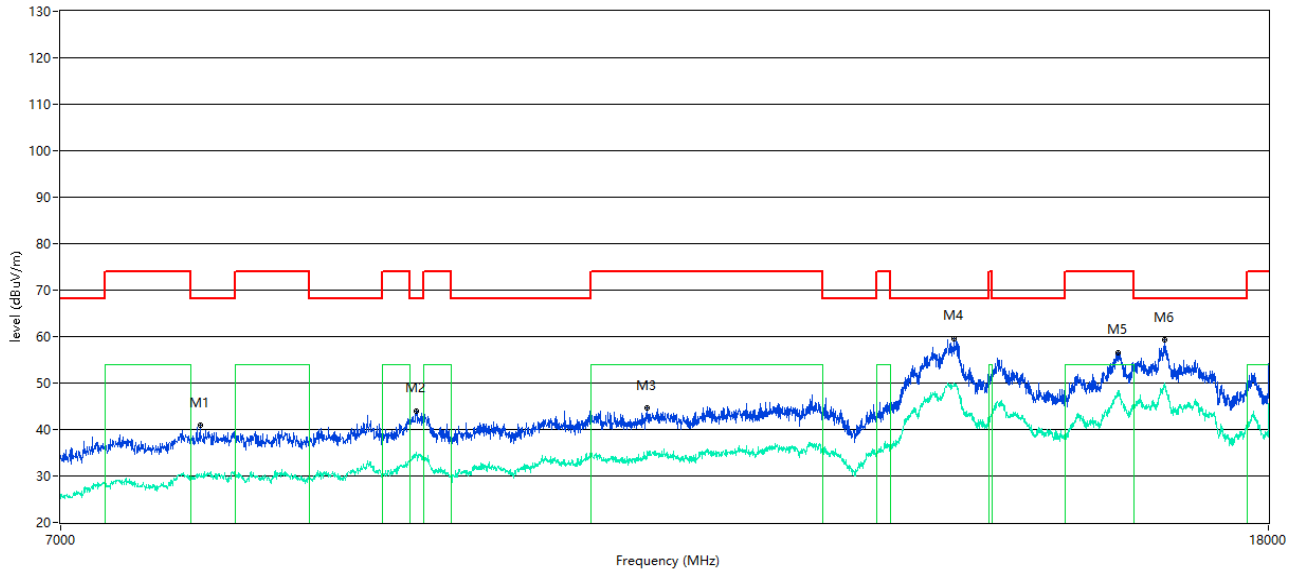
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
8316.921	40.19	--	30.1	-6.92	74.0	--	54.0	23.90	102.00	100	Horizontal	Pass
9257.186	44.55	--	34.6	-4.29	68.2	--	--	23.65	46.00	100	Horizontal	Pass
11877.281	46.46	--	35.7	-0.91	74.0	--	54.0	18.30	28.00	100	Horizontal	Pass
14112.472	59.87	--	49.3	13.97	68.2	--	--	8.33	63.00	100	Horizontal	Pass
16006.748	57.66	--	48.3	10.53	74.0	--	54.0	5.70	15.00	100	Horizontal	Pass
16581.355	57.92	--	49.2	11.66	68.2	--	--	10.28	4.00	100	Horizontal	Pass

7 GHz to 18 GHz, ANT V Band I 802.11n(HT20) Low channel



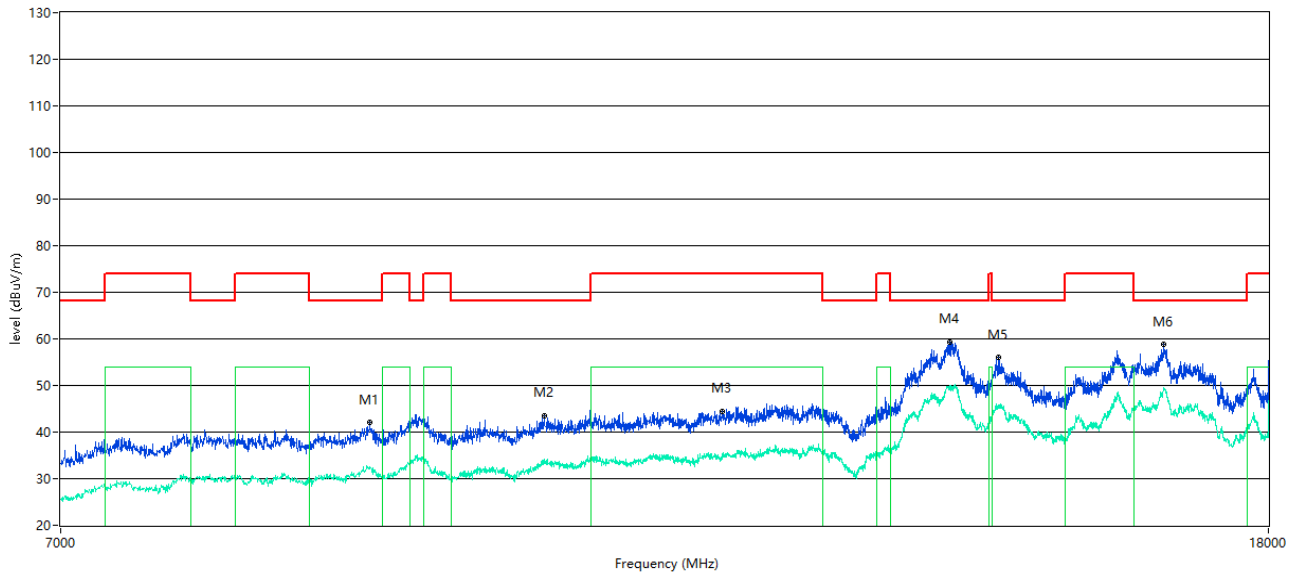
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
8919.020	41.66	--	32.1	-5.30	68.2	--	--	26.54	90.00	100	Vertical	Pass
10664.834	43.97	--	33.6	-1.83	74.0	--	54.0	20.40	26.00	100	Vertical	Pass
12605.849	46.91	--	36.6	0.29	74.0	--	54.0	17.40	103.00	100	Vertical	Pass
14018.995	59.70	--	49.3	14.23	68.2	--	--	8.50	38.00	100	Vertical	Pass
16009.498	57.61	--	48.1	10.44	74.0	--	54.0	5.90	234.00	100	Vertical	Pass
16592.352	58.61	--	49.4	11.91	68.2	--	--	9.59	15.00	100	Vertical	Pass

7 GHz to 18 GHz, ANT H Band I 802.11n(HT20) Low channel



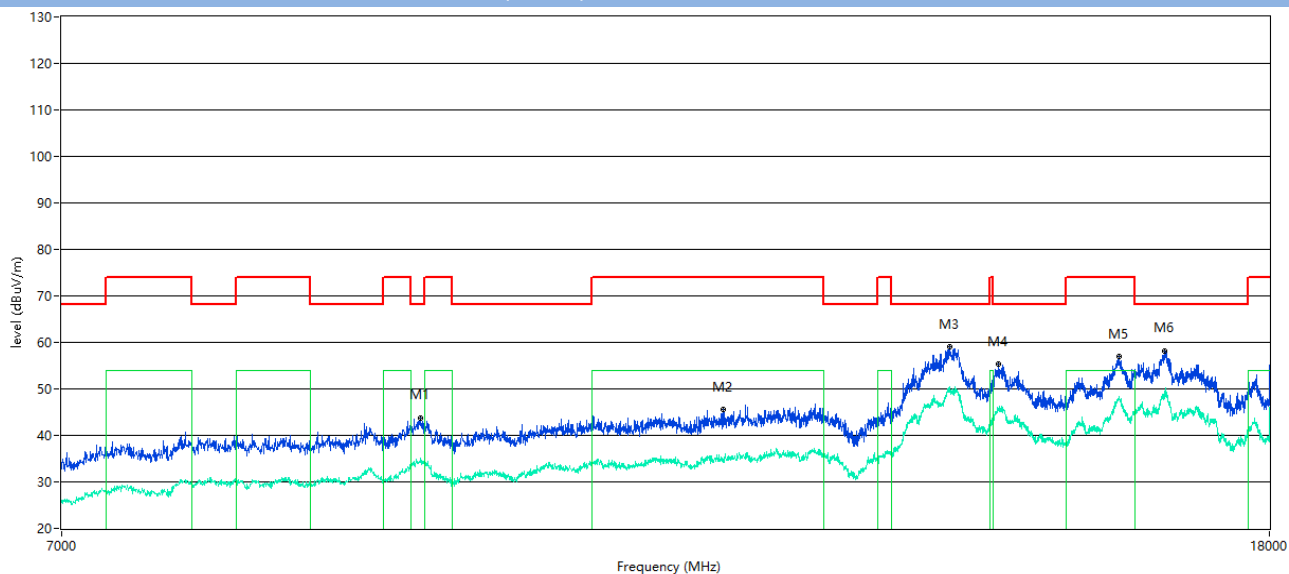
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
7805.549	40.92	--	29.9	-8.36	68.2	--	--	27.28	13.00	100	Horizontal	Pass
9246.188	44.07	--	34.4	-4.49	68.2	--	--	24.13	58.00	100	Horizontal	Pass
11068.983	44.64	--	34.3	-1.67	74.0	--	54.0	19.70	210.00	100	Horizontal	Pass
14076.731	59.49	--	49.8	14.65	68.2	--	--	8.71	11.00	100	Horizontal	Pass
15998.500	56.57	--	47.9	10.69	74.0	--	54.0	6.10	185.00	100	Horizontal	Pass
16600.600	59.24	--	49.7	12.12	68.2	--	--	8.96	12.00	100	Horizontal	Pass

7 GHz to 18 GHz, ANT V Band I 802.11n(HT20) Middle channel



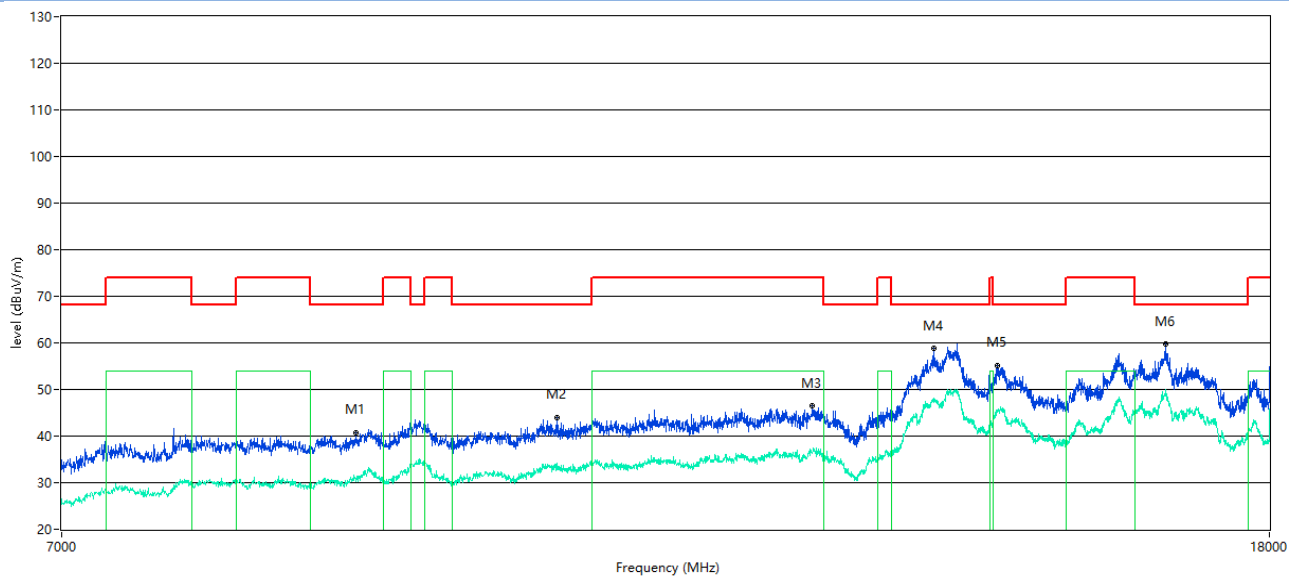
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
8913.522	42.08	--	32.5	-5.23	68.2	--	--	26.12	48.00	100	Vertical	Pass
10216.696	43.43	--	33.3	-2.54	68.2	--	--	24.77	14.00	100	Vertical	Pass
11745.314	44.47	--	35.4	-0.98	74.0	--	54.0	18.60	108.00	100	Vertical	Pass
14032.742	59.38	--	49.5	14.28	68.2	--	--	8.82	3.00	100	Vertical	Pass
14579.855	56.06	--	45.6	10.12	68.2	--	--	12.14	64.00	100	Vertical	Pass
16589.603	58.75	--	49.6	11.84	68.2	--	--	9.45	234.00	100	Vertical	Pass

7 GHz to 18 GHz, ANT H Band I 802.11n(HT20) Middle channel



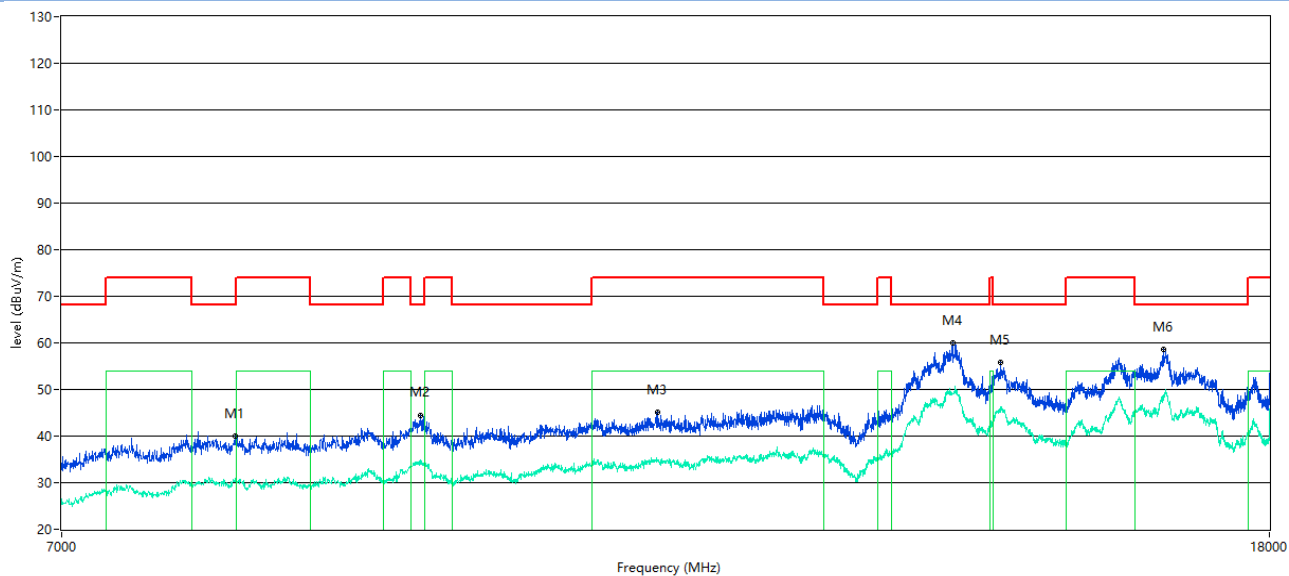
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
9270.932	43.76	--	35.0	-4.09	68.2	--	--	24.44	108.00	100	Horizontal	Pass
11739.815	45.66	--	34.7	-0.92	74.0	--	54.0	19.30	241.00	100	Horizontal	Pass
14024.494	59.02	--	49.7	14.25	68.2	--	--	9.18	23.00	100	Horizontal	Pass
14560.610	55.28	--	45.4	9.74	68.2	--	--	12.92	78.00	100	Horizontal	Pass
16001.250	56.93	--	48.1	10.71	74.0	--	54.0	5.90	30.00	100	Horizontal	Pass
16581.355	58.22	--	48.9	11.66	68.2	--	--	9.98	16.00	100	Horizontal	Pass

7 GHz to 18 GHz, ANT V Band I 802.11n(HT20) High channel



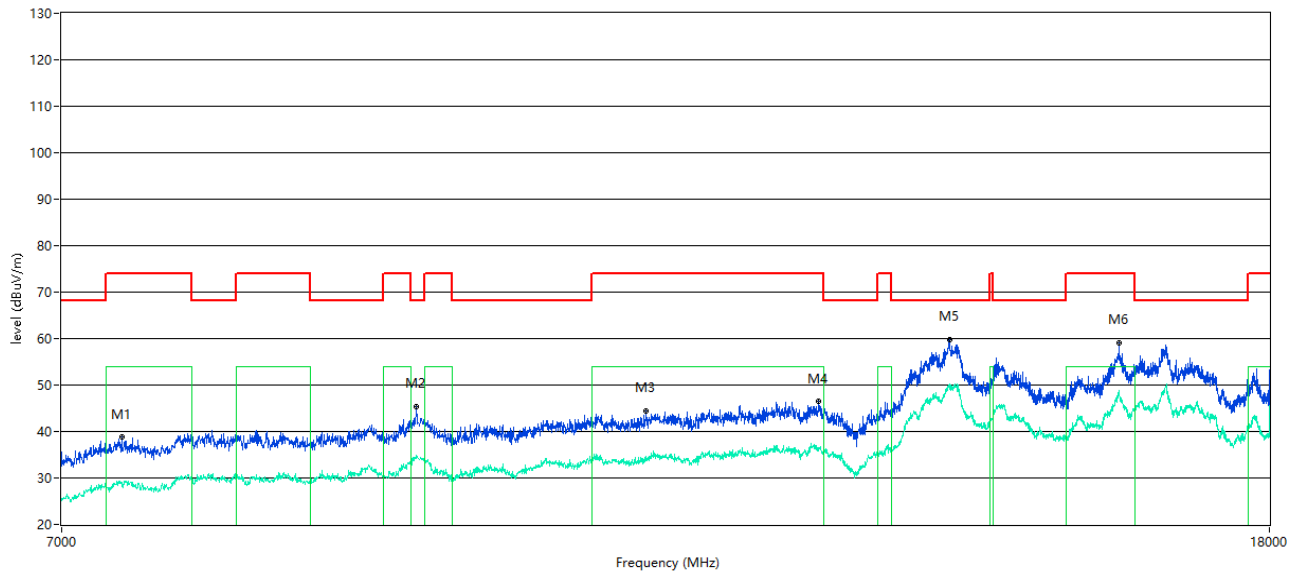
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8811.797	40.73	--	30.8	-6.21	68.2	--	--	27.47	183.00	100	Vertical	Pass
10315.671	44.04	--	34.2	-2.23	68.2	--	--	24.16	66.00	100	Vertical	Pass
12592.102	46.47	--	36.5	0.23	74.0	--	54.0	17.50	216.00	100	Vertical	Pass
13843.039	58.94	--	48.1	11.45	68.2	--	--	9.26	76.00	100	Vertical	Pass
14546.863	55.20	--	45.4	9.44	68.2	--	--	13.00	237.00	100	Vertical	Pass
16595.101	59.73	--	49.5	12.00	68.2	--	--	8.47	98.00	100	Vertical	Pass

7 GHz to 18 GHz, ANT H Band I 802.11n(HT20) High channel



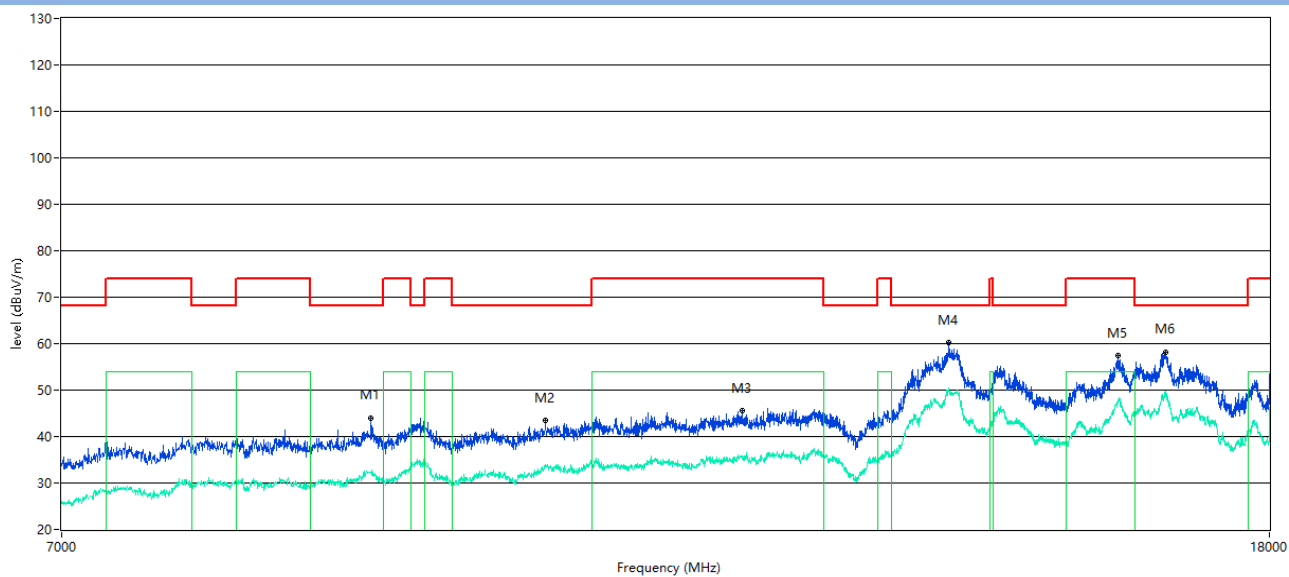
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
8014.496	39.99	--	30.9	-9.06	68.2	--	--	28.21	91.00	100	Horizontal	Pass
9265.434	44.43	--	34.8	-4.17	68.2	--	--	23.77	146.00	100	Horizontal	Pass
11154.211	45.01	--	35.0	-2.06	74.0	--	54.0	19.00	26.00	100	Horizontal	Pass
14049.238	59.94	--	49.1	14.36	68.2	--	--	8.26	78.00	100	Horizontal	Pass
14585.354	55.72	--	45.8	10.15	68.2	--	--	12.48	8.00	100	Horizontal	Pass
16564.859	58.52	--	48.8	11.31	68.2	--	--	9.68	312.00	100	Horizontal	Pass

7 GHz to 18 GHz, ANT V Band I 802.11ac(HT20) Low channel



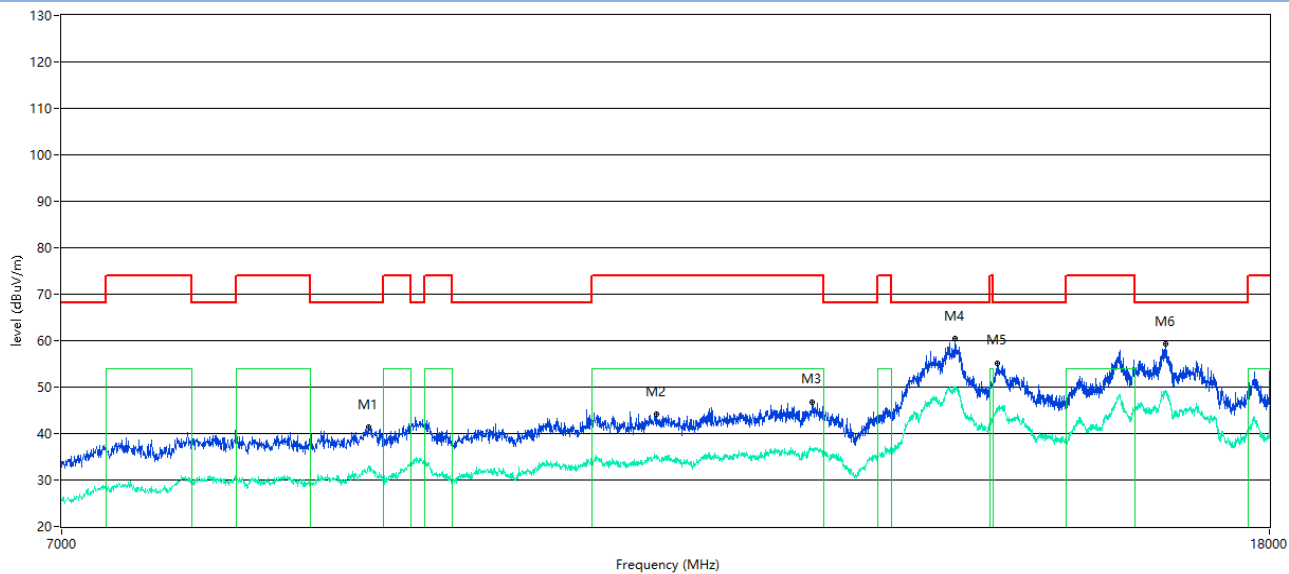
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
7335.416	38.76	--	29.1	-9.24	74.0	--	54.0	24.90	8.00	100	Vertical	Pass
9240.690	45.43	--	34.8	-4.57	68.2	--	--	22.77	13.00	100	Vertical	Pass
11057.986	44.43	--	34.7	-1.68	74.0	--	54.0	19.30	65.00	100	Vertical	Pass
12652.587	46.46	--	36.5	0.21	74.0	--	54.0	17.50	233.00	100	Vertical	Pass
14021.745	59.86	--	49.5	14.23	68.2	--	--	8.34	15.00	100	Vertical	Pass
16001.250	59.08	--	48.8	10.71	74.0	--	54.0	5.20	60.00	100	Vertical	Pass

7 GHz to 18 GHz, ANT H Band I 802.11ac(HT20) Low channel



Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
8913.522	44.03	--	32.3	-5.23	68.2	--	--	24.17	13.00	100	Horizontal	Pass
10219.445	43.47	--	33.9	-2.52	68.2	--	--	24.73	80.00	100	Horizontal	Pass
11915.771	45.50	--	35.6	-0.77	74.0	--	54.0	18.40	134.00	100	Horizontal	Pass
14010.747	60.22	--	50.0	14.28	68.2	--	--	7.98	11.00	100	Horizontal	Pass
15984.754	57.37	--	47.1	10.16	74.0	--	54.0	6.90	68.00	100	Horizontal	Pass
16592.352	58.19	--	49.8	11.91	68.2	--	--	10.01	182.00	100	Horizontal	Pass

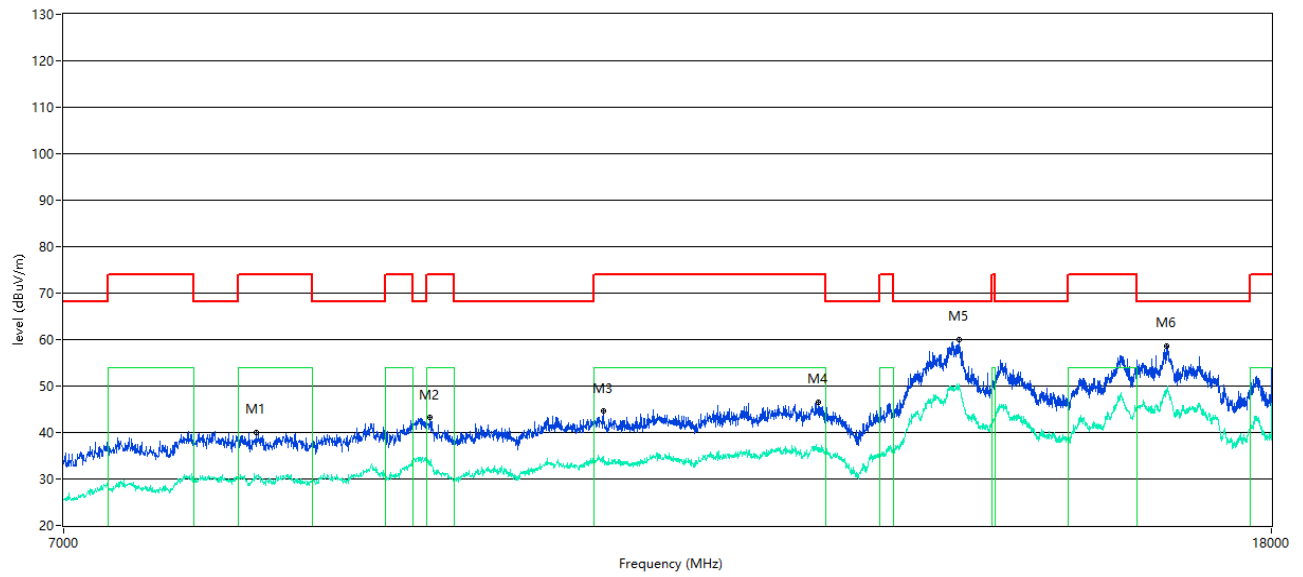
7 GHz to 18 GHz, ANT V Band I 802.11ac(HT20) Middle channel



Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
8899.775	41.39	--	32.9	-4.87	68.2	--	--	26.81	21.00	100	Vertical	Pass
11145.964	44.13	--	35.5	-2.02	74.0	--	54.0	18.50	2.00	100	Vertical	Pass
12592.102	46.85	--	36.7	0.23	74.0	--	54.0	17.30	310.00	100	Vertical	Pass
14082.229	60.38	--	50.1	14.79	68.2	--	--	7.82	185.00	100	Vertical	Pass
14552.362	55.14	--	45.7	9.60	68.2	--	--	13.06	36.00	100	Vertical	Pass
16600.600	59.27	--	49.3	12.12	68.2	--	--	8.93	83.00	100	Vertical	Pass

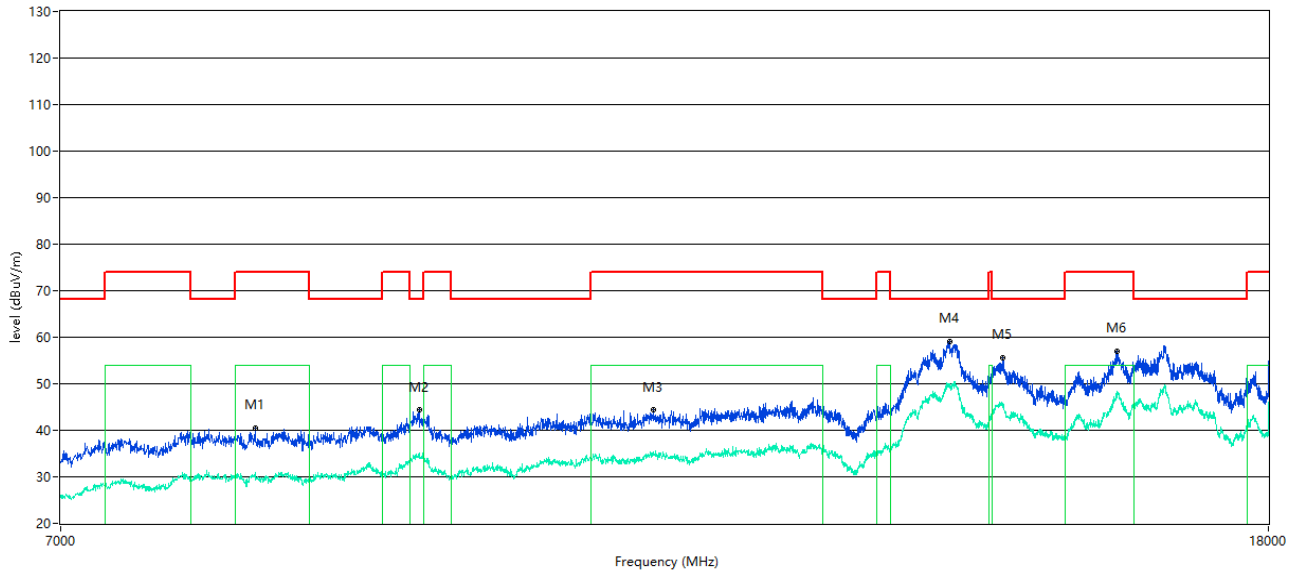
7 GHz to 18 GHz, ANT H Band I 802.11ac(HT20) Middle channel

REmission Test case_FCC_Part 15E_FCC 15.407(5G)_7GHz-18GHz



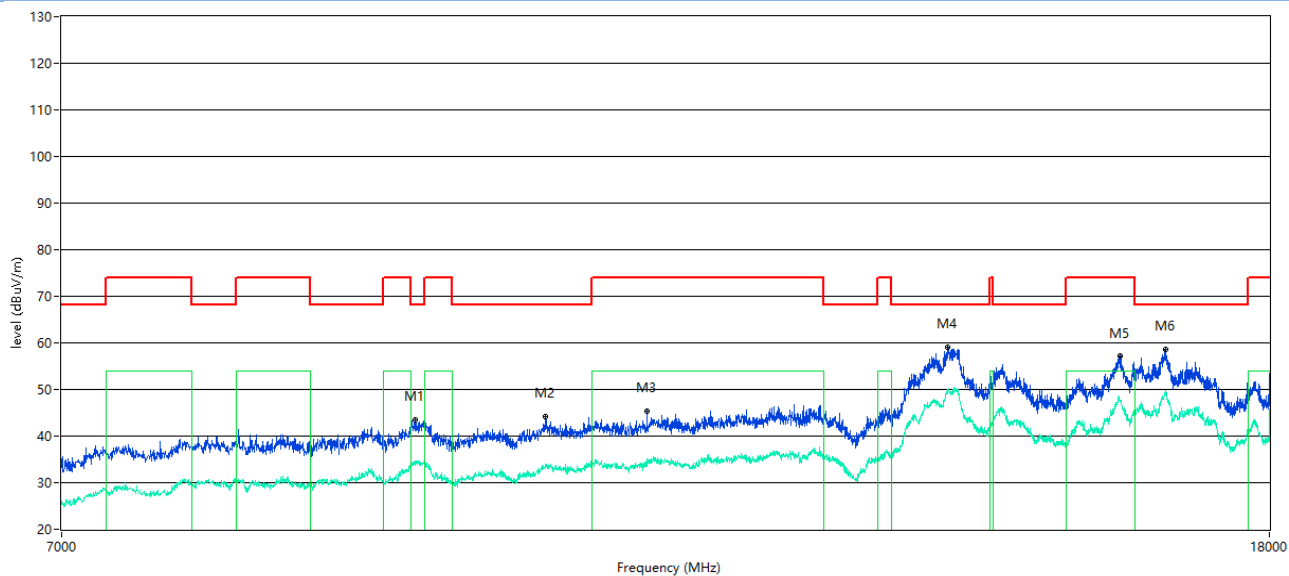
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
8138.215	40.05	--	30.7	-7.78	74.0	--	54.0	23.30	57.00	100	Horizontal	Pass
9323.169	43.22	--	33.7	-4.51	74.0	--	54.0	20.30	9.00	100	Horizontal	Pass
10673.082	44.55	--	34.8	-1.73	74.0	--	54.0	19.20	14.00	100	Horizontal	Pass
12633.342	46.53	--	36.7	0.17	74.0	--	54.0	17.30	76.00	100	Horizontal	Pass
14098.725	60.02	--	50.0	14.80	68.2	--	--	8.18	185.00	100	Horizontal	Pass
16581.355	58.64	--	48.8	11.66	68.2	--	--	9.56	0.00	100	Horizontal	Pass

7 GHz to 18 GHz, ANT V Band I 802.11ac(HT20) High channel



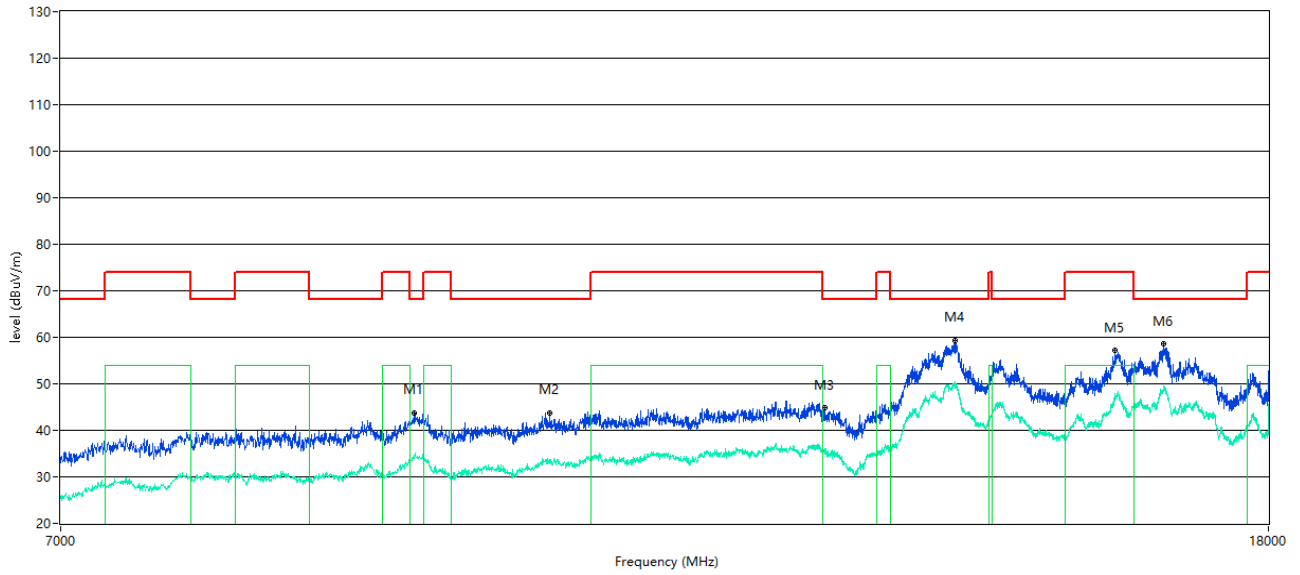
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
8149.213	40.57	--	30.9	-7.80	74.0	--	54.0	23.10	58.00	100	Vertical	Pass
9268.183	44.30	--	35.1	-4.12	68.2	--	--	23.90	213.00	100	Vertical	Pass
11129.468	44.35	--	34.5	-1.93	74.0	--	54.0	19.50	14.00	100	Vertical	Pass
14032.742	59.17	--	49.0	14.28	68.2	--	--	9.03	181.00	100	Vertical	Pass
14618.345	55.59	--	45.9	9.97	68.2	--	--	12.61	73.00	100	Vertical	Pass
15990.252	57.02	--	47.7	10.35	74.0	--	54.0	6.30	67.00	100	Vertical	Pass

7 GHz to 18 GHz, ANT H Band I 802.11ac(HT20) High channel



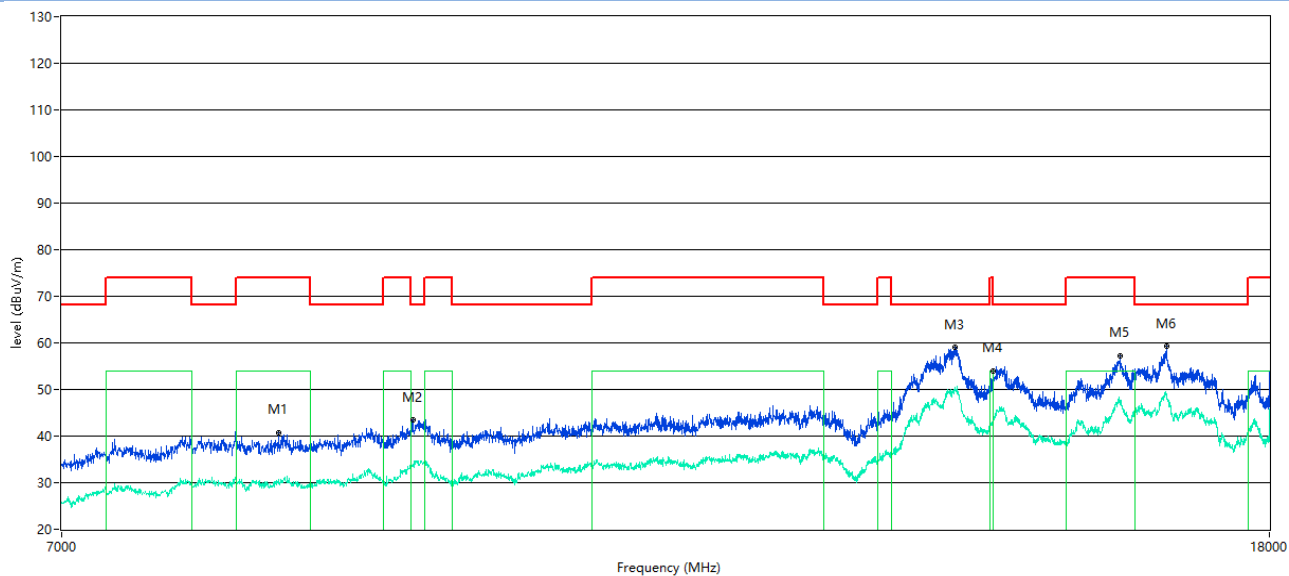
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9226.943	43.51	--	34.6	-4.67	68.2	--	--	24.69	11.00	100	Horizontal	Pass
10222.194	44.22	--	33.7	-2.48	68.2	--	--	23.98	6.00	100	Horizontal	Pass
11063.484	45.45	--	35.1	-1.62	74.0	--	54.0	18.90	214.00	100	Horizontal	Pass
13997.001	59.09	--	49.9	14.10	68.2	--	--	9.11	131.00	100	Horizontal	Pass
16023.244	57.13	--	47.5	9.99	74.0	--	54.0	6.50	65.00	100	Horizontal	Pass
16592.352	58.62	--	49.5	11.91	68.2	--	--	9.58	4.00	100	Horizontal	Pass

7 GHz to 18 GHz, ANT V Band I 802.11n(HT40) Low channel



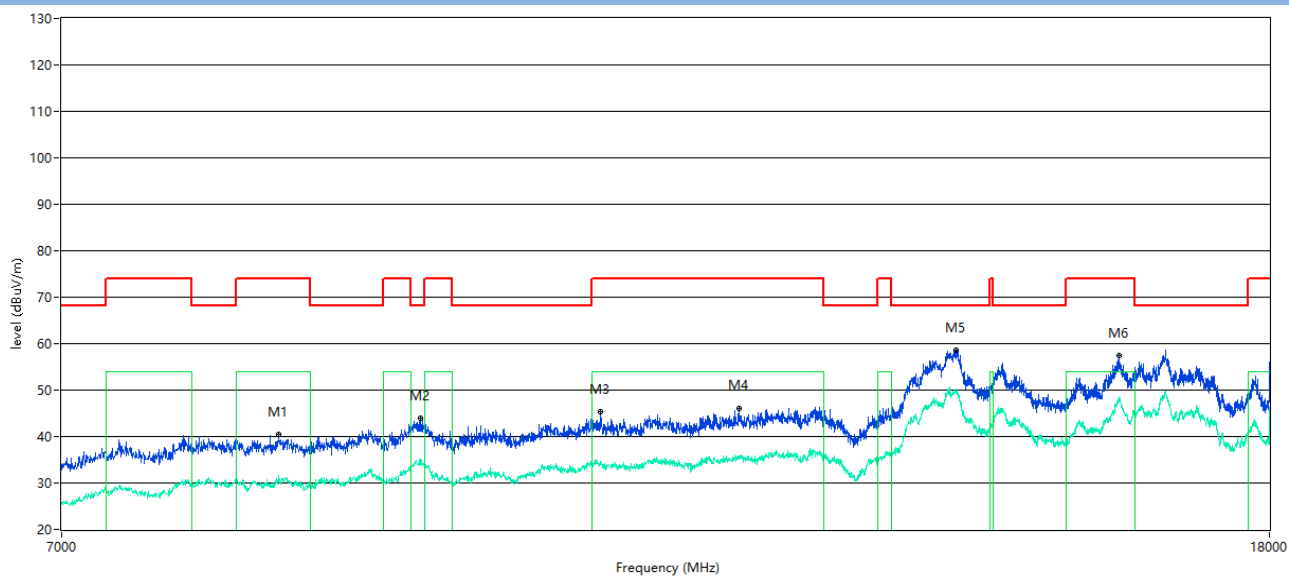
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
9232.442	43.73	--	34.2	-4.61	68.2	--	--	24.47	10.00	100	Vertical	Pass
10260.685	43.74	--	33.8	-2.12	68.2	--	--	24.46	6.00	100	Vertical	Pass
12724.069	44.78	--	35.8	-0.44	68.2	--	--	23.42	108.00	100	Vertical	Pass
14090.477	59.37	--	50.5	14.83	68.2	--	--	8.83	3.00	100	Vertical	Pass
15965.509	57.13	--	47.2	9.45	74.0	--	54.0	6.80	234.00	100	Vertical	Pass
16584.104	58.55	--	48.5	11.73	68.2	--	--	9.65	78.00	100	Vertical	Pass

7 GHz to 18 GHz, ANT H Band I 802.11n(HT40) Low channel



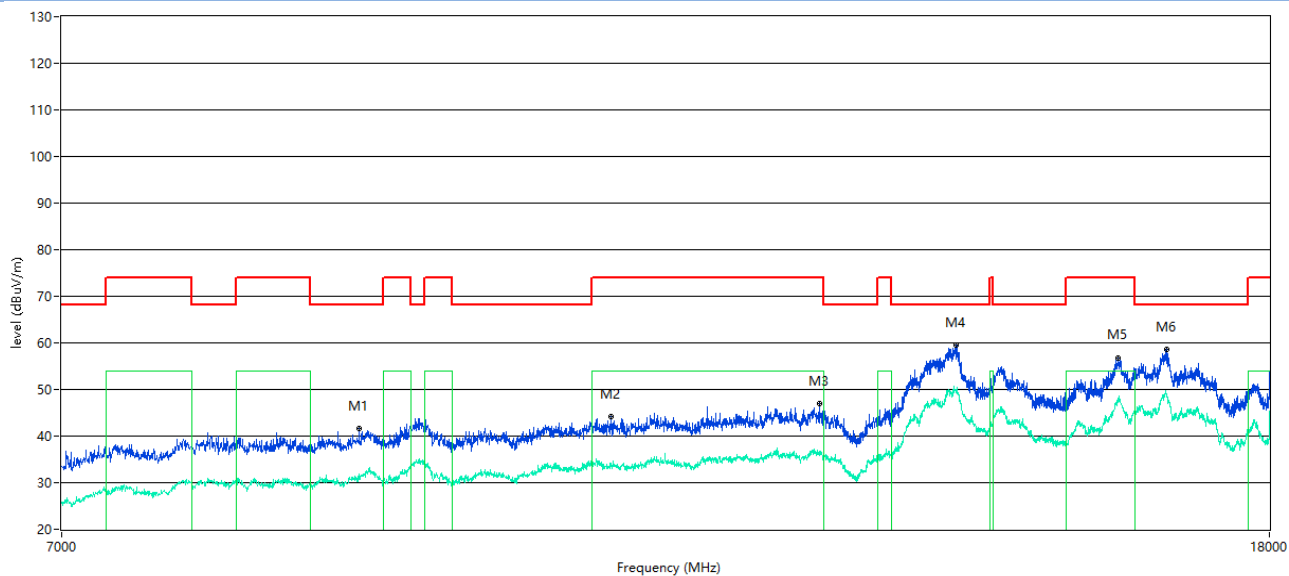
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
8292.177	40.81	--	30.8	-6.82	74.0	--	54.0	23.20	13.00	100	Horizontal	Pass
9210.447	43.42	--	33.6	-4.75	68.2	--	--	24.78	1.00	100	Horizontal	Pass
14079.480	59.07	--	50.0	14.72	68.2	--	--	9.13	65.00	100	Horizontal	Pass
14544.114	54.99	--	45.5	9.37	68.2	--	--	13.21	17.00	100	Horizontal	Pass
16017.746	57.25	--	47.7	10.15	74.0	--	54.0	6.30	332.00	100	Horizontal	Pass
16614.346	59.30	--	48.8	11.69	68.2	--	--	8.90	8.00	100	Horizontal	Pass

7 GHz to 18 GHz, ANT V Band I 802.11n(HT40) High channel



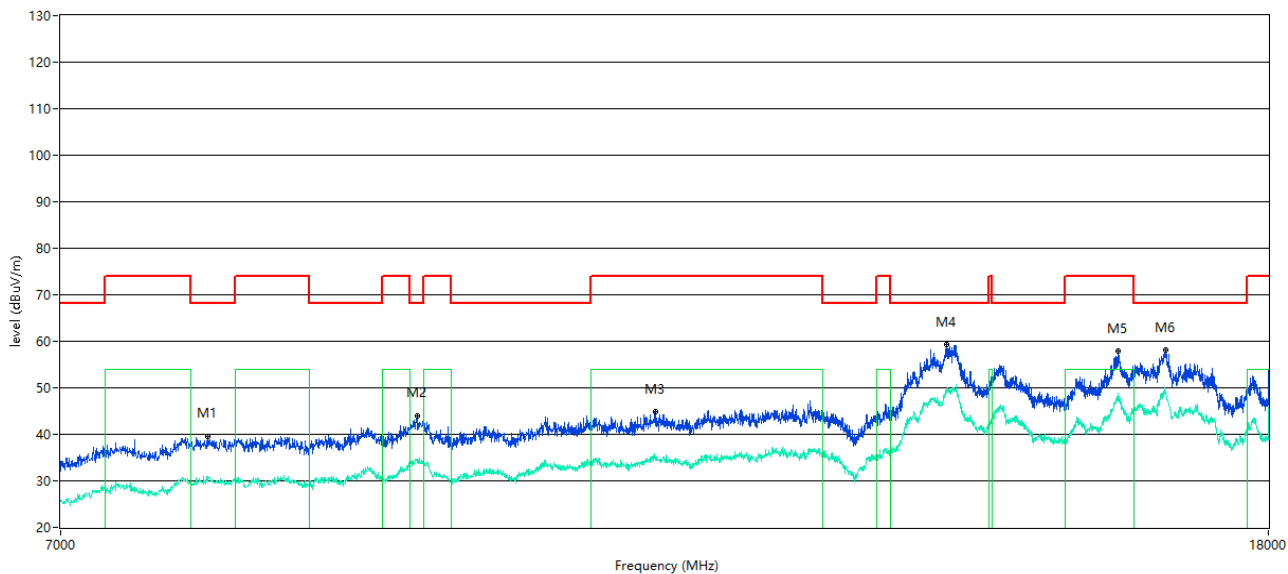
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
8294.926	40.44	--	30.6	-6.76	74.0	--	54.0	23.40	183.00	100	Vertical	Pass
9268.183	43.89	--	35.1	-4.12	68.2	--	--	24.31	6.00	100	Vertical	Pass
10670.332	45.31	--	34.5	-1.76	74.0	--	54.0	19.50	67.00	100	Vertical	Pass
11885.529	46.12	--	35.7	-0.87	74.0	--	54.0	18.30	226.00	100	Vertical	Pass
14084.979	58.60	--	49.9	14.84	68.2	--	--	9.60	11.00	100	Vertical	Pass
15998.500	57.34	--	48.6	10.69	74.0	--	54.0	5.40	125.00	100	Vertical	Pass

7 GHz to 18 GHz, ANT H Band I 802.11n(HT40) High channel



Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
8833.792	41.62	--	31.9	-6.03	68.2	--	--	26.58	103.00	100	Horizontal	Pass
10758.310	44.09	--	34.0	-1.85	74.0	--	54.0	20.00	2.00	100	Horizontal	Pass
12663.584	46.91	--	36.7	0.11	74.0	--	54.0	17.30	184.00	100	Horizontal	Pass
14084.979	59.47	--	50.0	14.84	68.2	--	--	8.73	34.00	100	Horizontal	Pass
15995.751	56.78	--	48.2	10.57	74.0	--	54.0	5.80	14.00	100	Horizontal	Pass
16611.597	58.53	--	48.8	11.76	68.2	--	--	9.67	86.00	100	Horizontal	Pass

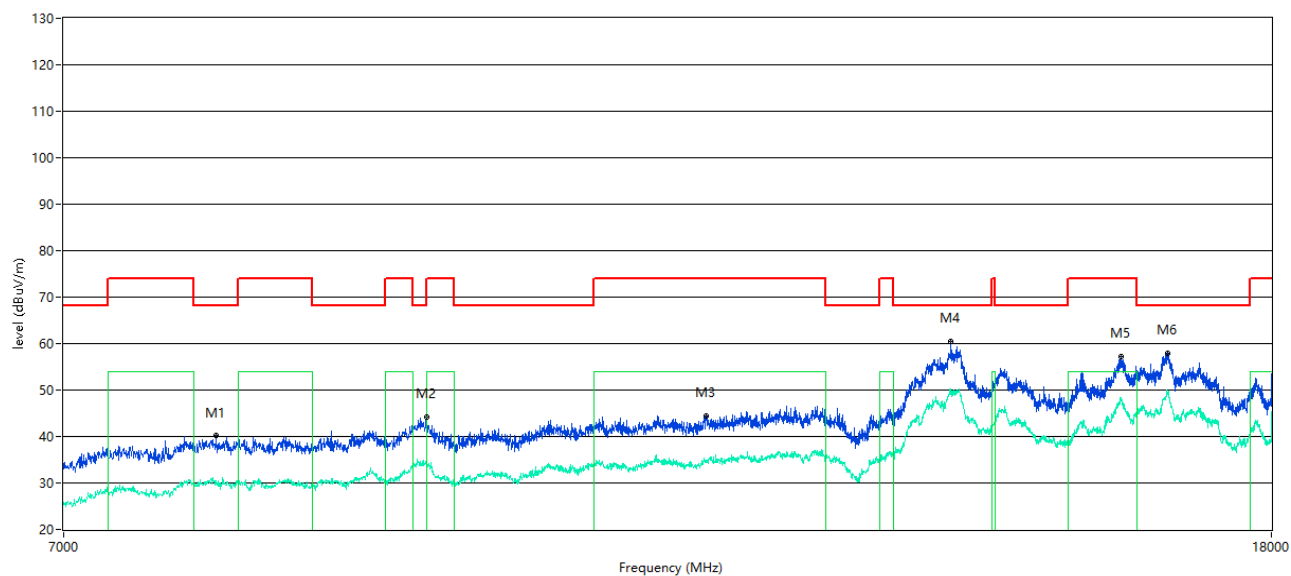
7 GHz to 18 GHz, ANT V Band I 802.11ac(HT40) Low channel



Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
7855.036	39.58	--	31.0	-8.57	68.2	--	--	28.62	13.00	100	Vertical	Pass
9248.938	43.96	--	34.6	-4.42	68.2	--	--	24.24	5.00	100	Vertical	Pass
11148.713	44.85	--	34.7	-2.04	74.0	--	54.0	19.30	104.00	100	Vertical	Pass
13997.001	59.22	--	49.4	14.10	68.2	--	--	8.98	65.00	100	Vertical	Pass
16006.748	57.88	--	48.9	10.53	74.0	--	54.0	5.10	312.00	100	Vertical	Pass
16606.098	58.12	--	48.5	11.92	68.2	--	--	10.08	47.00	100	Vertical	Pass

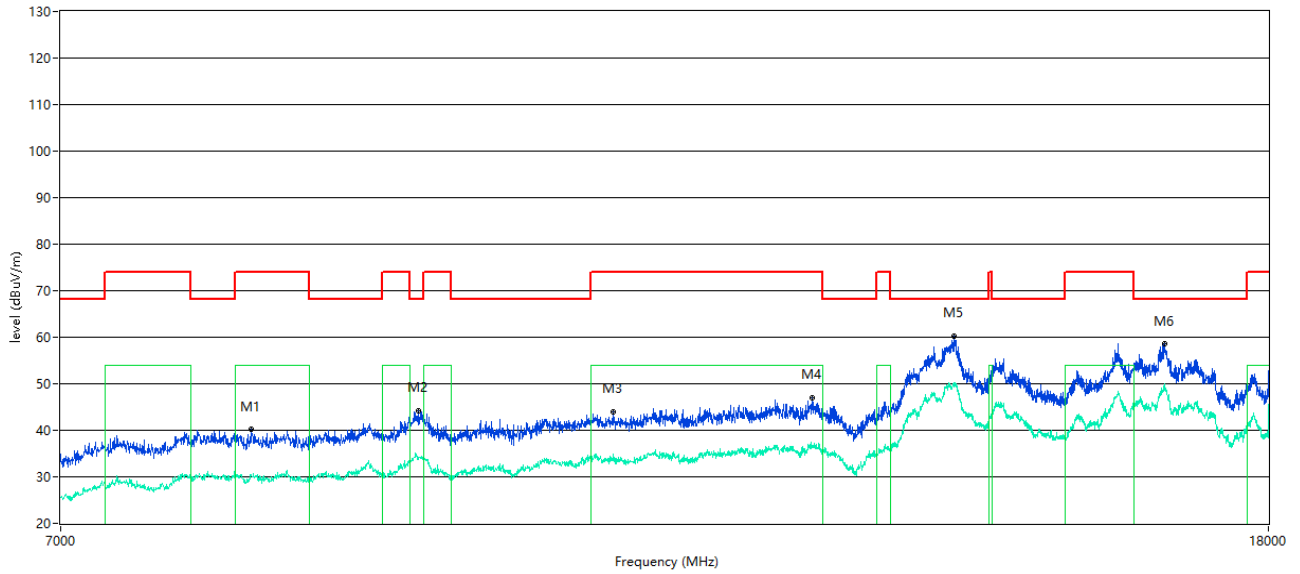
7 GHz to 18 GHz, ANT H Band I 802.11ac(HT40) Low channel

REmission Test case_FCC_Part 15E_FCC 15.407(5G)_7GHz-18GHz



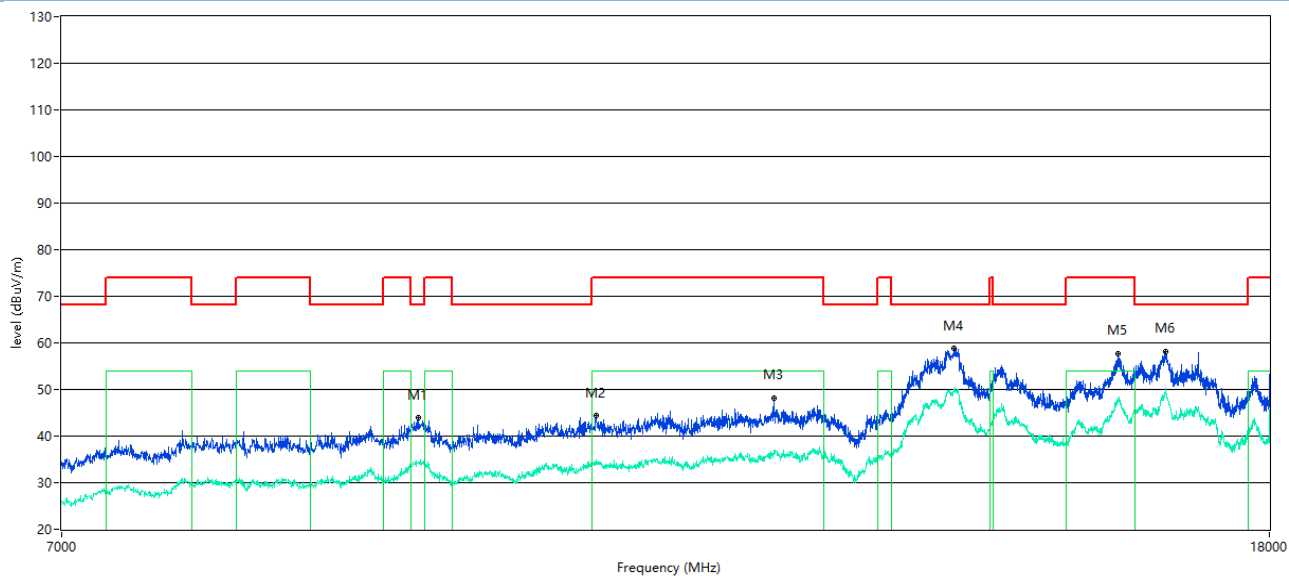
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
7888.028	40.16	--	29.9	-8.75	68.2	--	--	28.04	8300	100	Horizontal	Pass
9295.676	44.24	--	34.3	-4.02	68.2	--	--	23.96	136.00	100	Horizontal	Pass
11566.608	44.43	--	34.9	-0.96	74.0	--	54.0	19.10	72.00	100	Horizontal	Pass
14010.747	60.54	--	49.2	14.28	68.2	--	--	7.66	80.00	100	Horizontal	Pass
16003.999	57.30	--	48.2	10.62	74.0	--	54.0	5.80	12.00	100	Horizontal	Pass
16592.352	58.01	--	49.6	11.91	68.2	--	--	10.19	67.00	100	Horizontal	Pass

7 GHz to 18 GHz, ANT V Band I 802.11ac(HT40) High channel



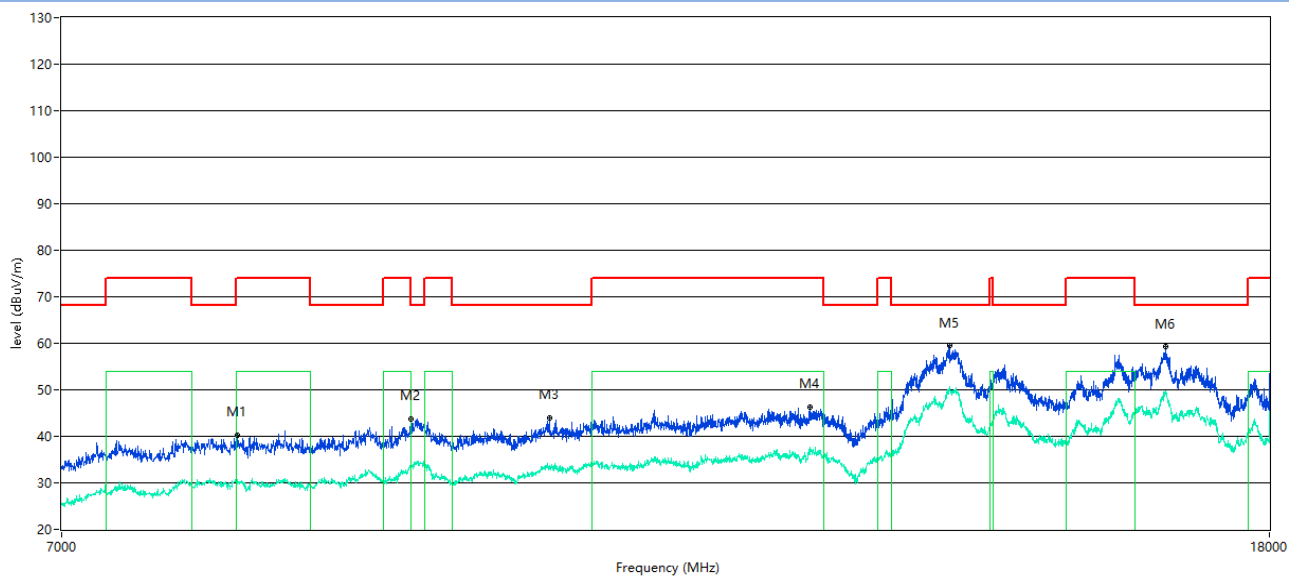
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
8124.469	40.23	--	30.4	-7.75	74.0	--	54.0	23.60	103.00	100	Vertical	Pass
9259.935	44.30	--	34.2	-4.28	68.2	--	--	23.90	13.00	100	Vertical	Pass
10785.804	44.00	--	33.5	-1.73	74.0	--	54.0	20.50	26.00	100	Vertical	Pass
12603.099	47.00	--	36.8	0.29	74.0	--	54.0	17.20	78.00	100	Vertical	Pass
14076.731	60.30	--	50.3	14.65	68.2	--	--	7.90	15.00	100	Vertical	Pass
16592.352	58.58	--	50.1	11.91	68.2	--	--	9.62	66.00	100	Vertical	Pass

7 GHz to 18 GHz, ANT H Band I 802.11ac(HT40) High channel



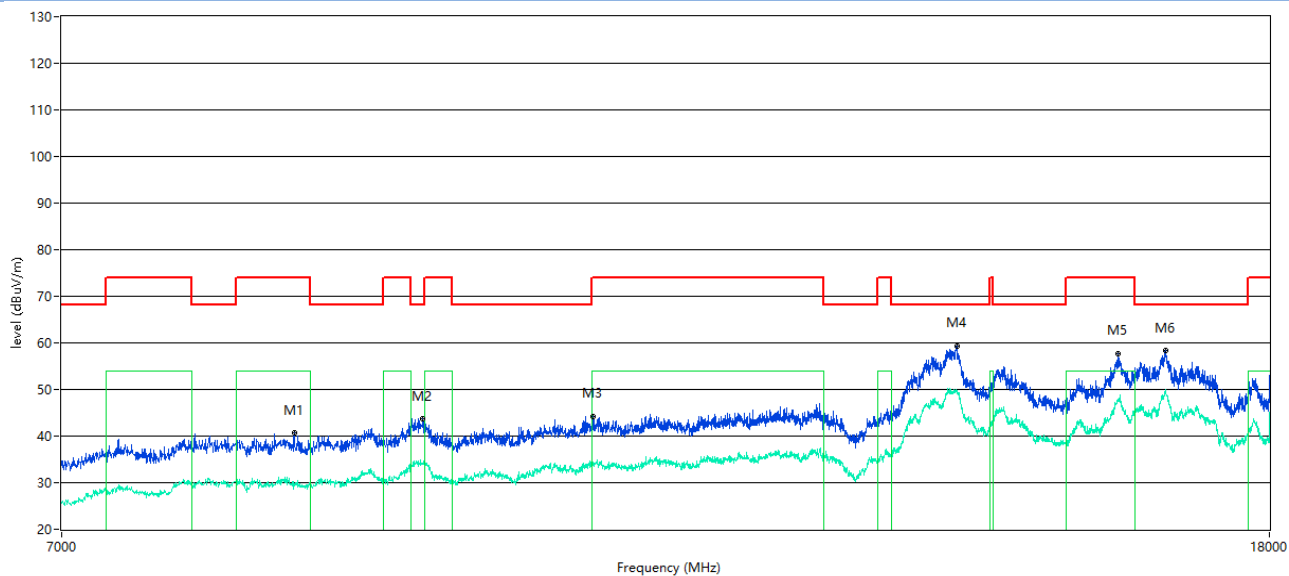
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
9254.436	43.94	--	34.2	-4.32	68.2	--	--	24.26	220.00	100	Horizontal	Pass
10631.842	44.33	--	34.8	-1.66	74.0	--	54.0	19.20	61.00	100	Horizontal	Pass
12220.945	48.23	--	37.0	-0.36	74.0	--	54.0	17.00	78.00	100	Horizontal	Pass
14060.235	58.84	--	49.8	14.46	68.2	--	--	9.36	332.00	100	Horizontal	Pass
15984.754	57.67	--	47.6	10.16	74.0	--	54.0	6.40	8.00	100	Horizontal	Pass
16595.101	58.18	--	49.1	12.00	68.2	--	--	10.02	86.00	100	Horizontal	Pass

7 GHz to 18 GHz, ANT V Band I 802.11ac(HT80) Low channel



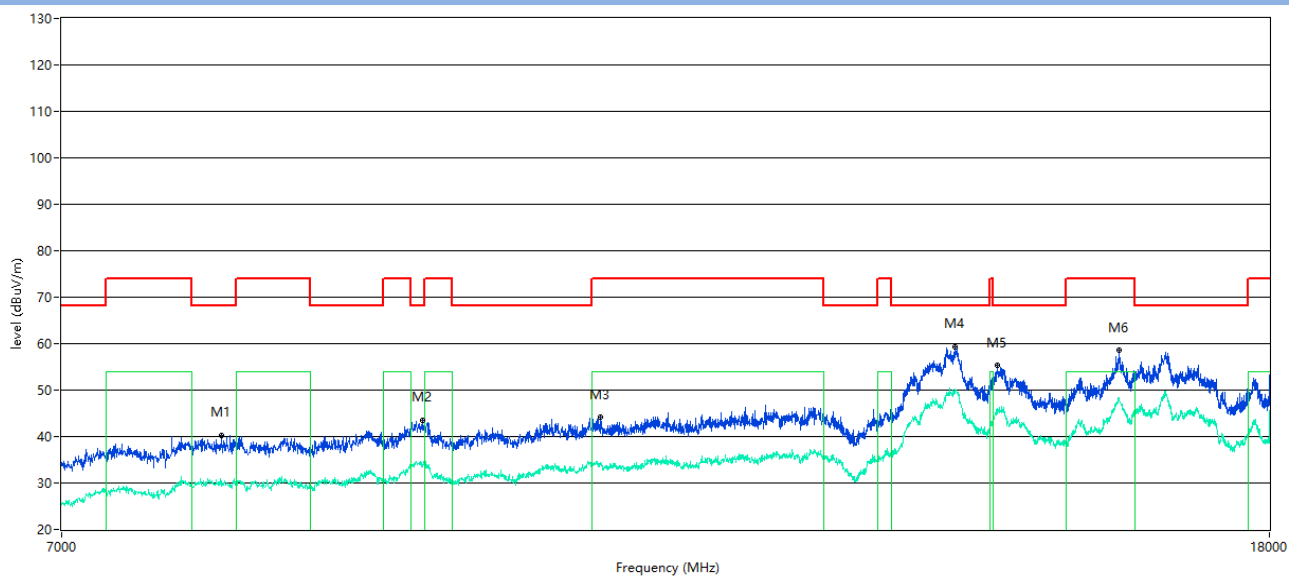
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
8033.742	40.26	--	30.3	-8.70	74.0	--	54.0	23.70	32.00	100	Vertical	Pass
9199.450	43.79	--	34.3	-4.83	74.0	--	54.0	19.70	58.00	100	Vertical	Pass
10249.688	44.05	--	33.7	-2.22	68.2	--	--	24.15	20.00	100	Vertical	Pass
12572.857	46.36	--	36.6	0.02	74.0	--	54.0	17.40	36.00	100	Vertical	Pass
14013.497	59.49	--	50.6	14.26	68.2	--	--	8.71	155.00	100	Vertical	Pass
16597.851	59.24	--	49.8	12.09	68.2	--	--	8.96	12.00	100	Vertical	Pass

7 GHz to 18 GHz, ANT H Band I 802.11ac(HT80) Low channel



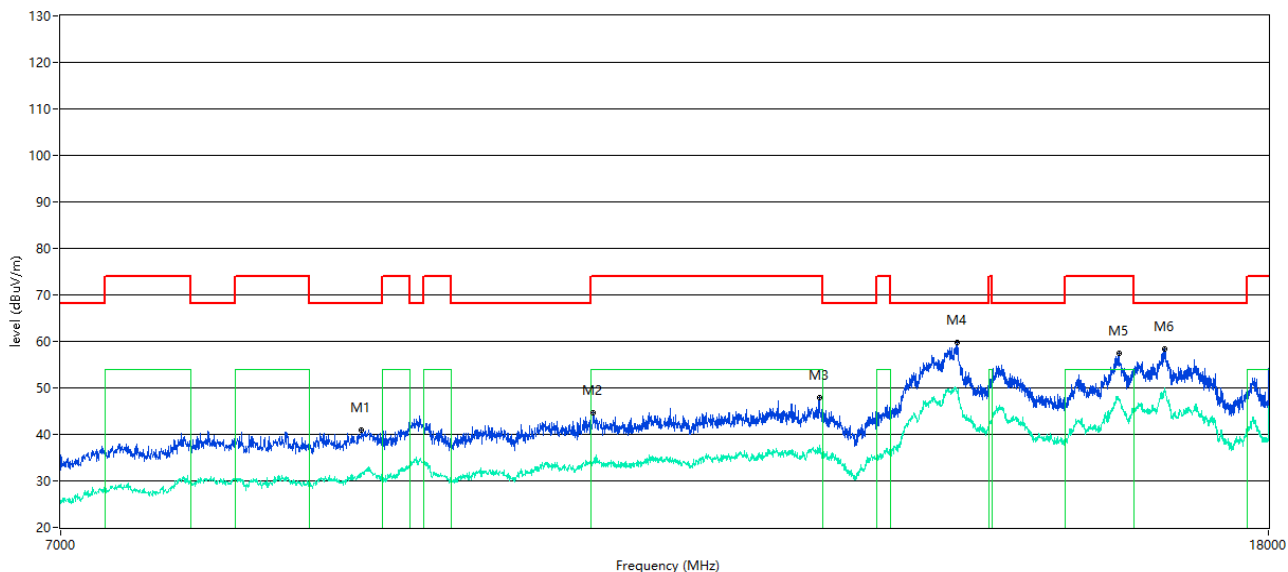
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8396.651	40.67	--	29.8	-7.42	74.0	--	54.0	24.20	13.00	100	Horizontal	Pass
9281.930	43.69	--	33.9	-4.15	68.2	--	--	24.51	1.00	100	Horizontal	Pass
10604.349	44.29	--	33.9	-1.67	74.0	--	54.0	20.10	14.00	100	Horizontal	Pass
14104.224	59.33	--	49.2	14.55	68.2	--	--	8.87	11.00	100	Horizontal	Pass
15990.252	57.71	--	47.9	10.35	74.0	--	54.0	6.10	0.00	100	Horizontal	Pass
16603.349	58.26	--	49.1	12.02	68.2	--	--	9.94	12.00	100	Horizontal	Pass

7 GHz to 18 GHz, ANT V Band I 802.11ac(HT80) High channel



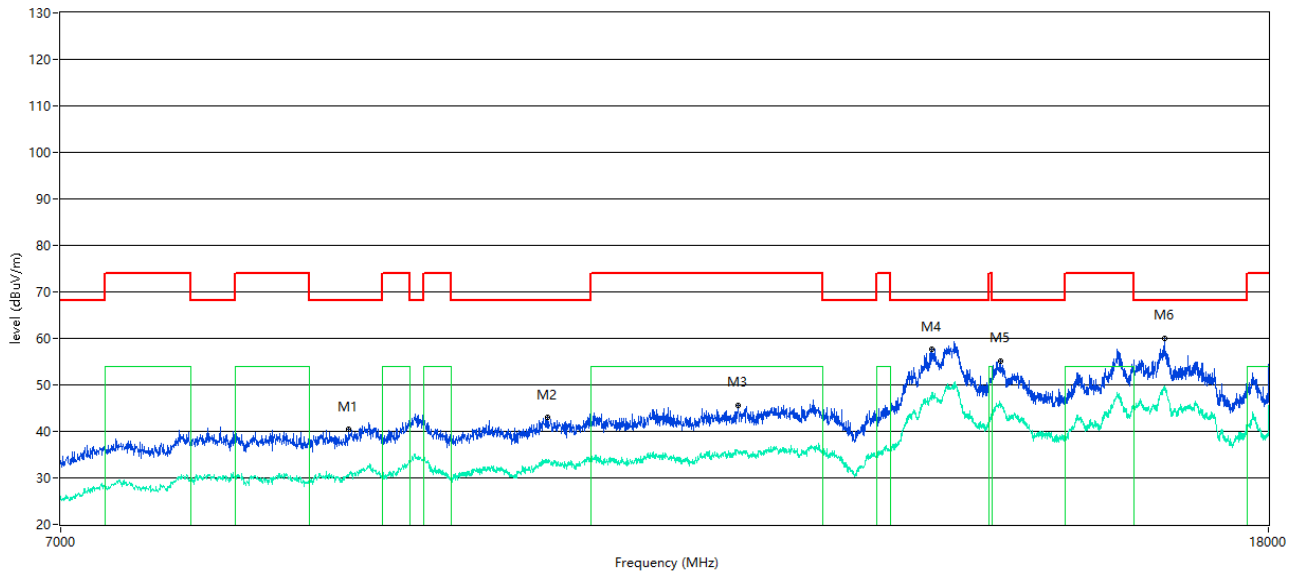
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
7934.766	40.29	--	30.4	-9.09	68.2	--	--	27.91	9.00	100	Vertical	Pass
9279.180	43.54	--	34.1	-4.15	68.2	--	--	24.66	56.00	100	Vertical	Pass
10670.332	44.13	--	33.9	-1.76	74.0	--	54.0	20.10	180.00	100	Vertical	Pass
14076.731	59.38	--	49.8	14.65	68.2	--	--	8.82	3.00	100	Vertical	Pass
14549.613	55.34	--	44.9	9.53	68.2	--	--	12.86	11.00	100	Vertical	Pass
16001.250	58.59	--	48.1	10.71	74.0	--	54.0	5.90	228.00	100	Vertical	Pass

7 GHz to 18 GHz, ANT H Band I 802.11ac(HT80) High channel



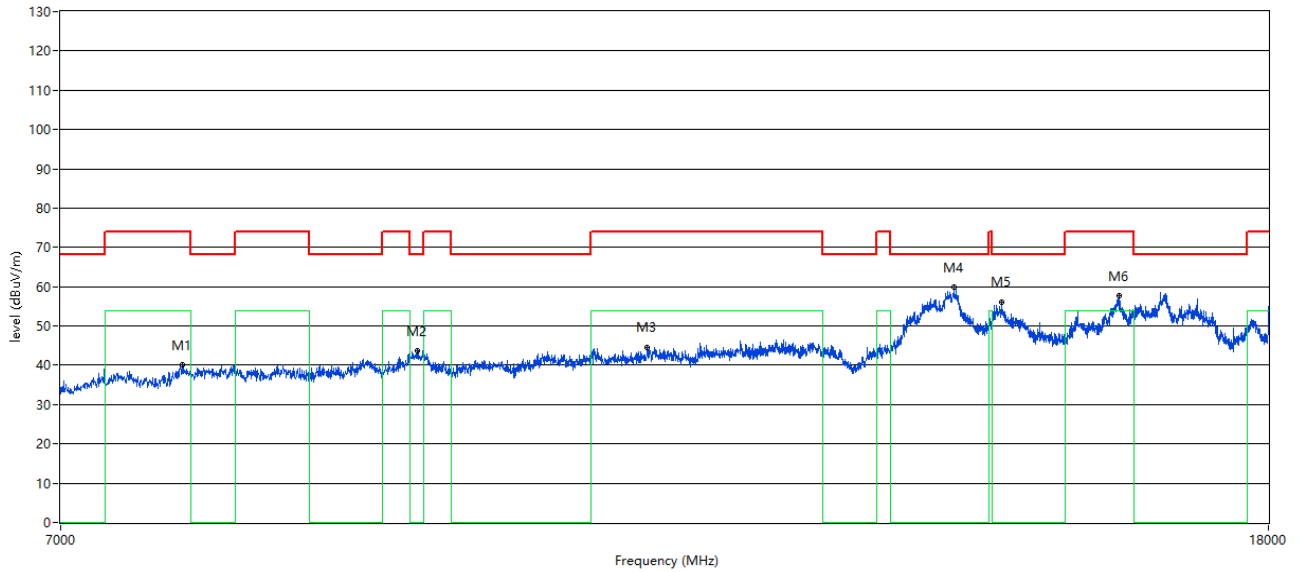
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
8858.535	40.89	--	31.5	-5.70	68.2	--	--	27.31	48.00	100	Horizontal	Pass
10618.095	44.54	--	34.3	-1.62	74.0	--	54.0	19.70	65.00	100	Horizontal	Pass
12674.581	47.86	--	37.7	0.12	74.0	--	54.0	16.30	135.00	100	Horizontal	Pass
14106.973	59.68	--	49.1	14.37	68.2	--	--	8.52	215.00	100	Horizontal	Pass
16017.746	57.36	--	47.5	10.15	74.0	--	54.0	6.50	182.00	100	Horizontal	Pass
16603.349	58.26	--	49.4	12.02	68.2	--	--	9.94	0.00	100	Horizontal	Pass

7 GHz to 18 GHz, ANT V Band IV 802.11a Low channel



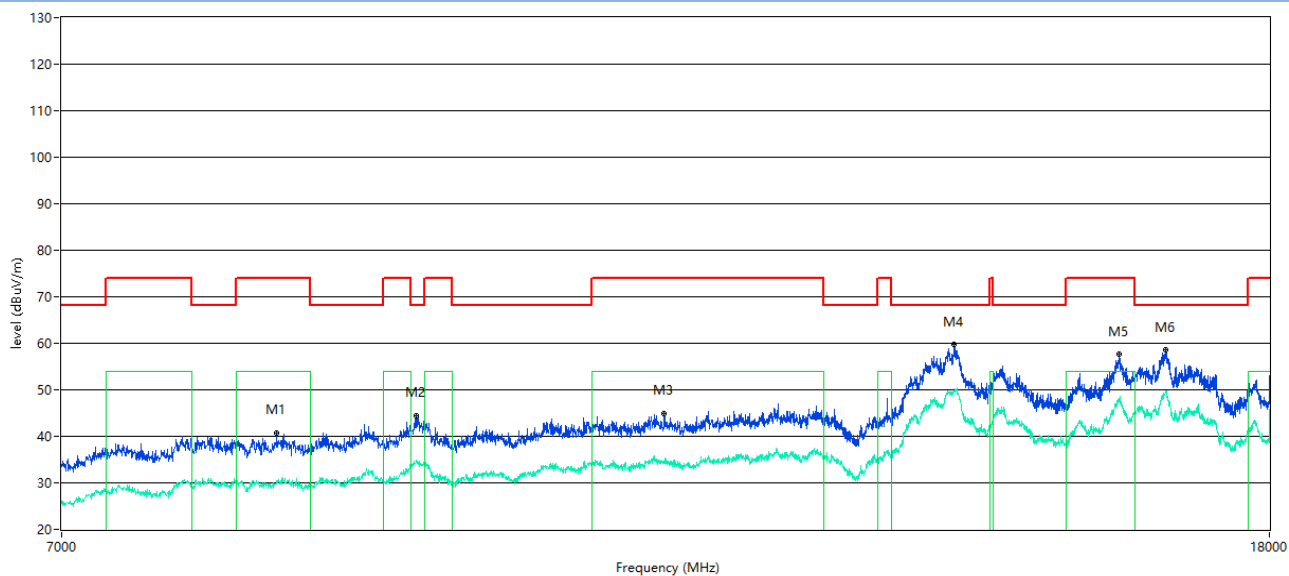
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8765.059	40.37	--	30.4	-6.68	68.2	--	--	27.83	9.00	100	Vertical	Pass
10244.189	42.94	--	33.4	-2.22	68.2	--	--	25.26	9.00	100	Vertical	Pass
11893.777	45.64	--	35.7	-0.81	74.0	--	54.0	18.30	0.00	100	Vertical	Pass
13837.541	57.77	--	47.2	11.31	68.2	--	--	10.43	14.00	100	Vertical	Pass
14593.602	55.13	--	45.8	10.33	68.2	--	--	13.07	11.00	100	Vertical	Pass
16592.352	60.11	--	49.8	11.91	68.2	--	--	8.09	4.00	100	Vertical	Pass

7 GHz to 18 GHz, ANT H Band IV 802.11a Low channel



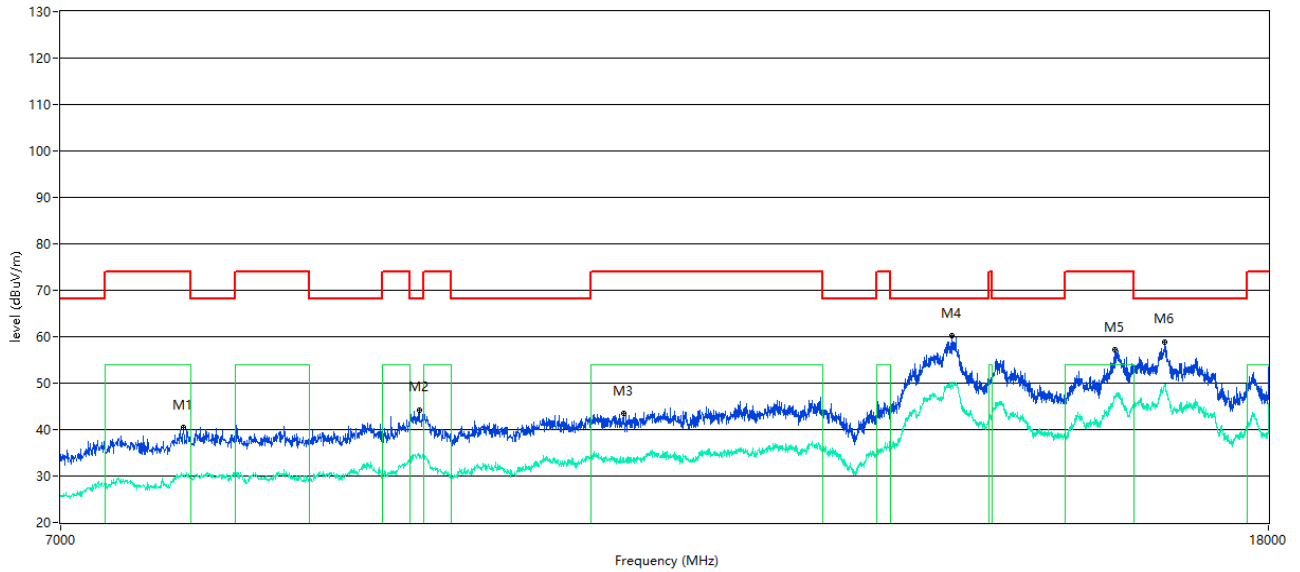
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7701.075	40.03	--	30.6	-7.75	74.0	--	54.0	23.40	103.00	100	Horizontal	Pass
9251.687	43.78	--	34.1	-4.36	68.2	--	--	24.42	45.00	100	Horizontal	Pass
11077.231	44.61	--	34.7	-1.69	74.0	--	54.0	19.30	14.00	100	Horizontal	Pass
14073.982	59.86	--	49.9	14.60	68.2	--	--	8.34	301.00	100	Horizontal	Pass
14607.348	56.19	--	45.8	10.19	68.2	--	--	12.01	125.00	100	Horizontal	Pass
16012.247	57.72	--	48.2	10.34	74.0	--	54.0	5.80	4.00	100	Horizontal	Pass

7 GHz to 18 GHz, ANT V Band IV 802.11a Middle channel



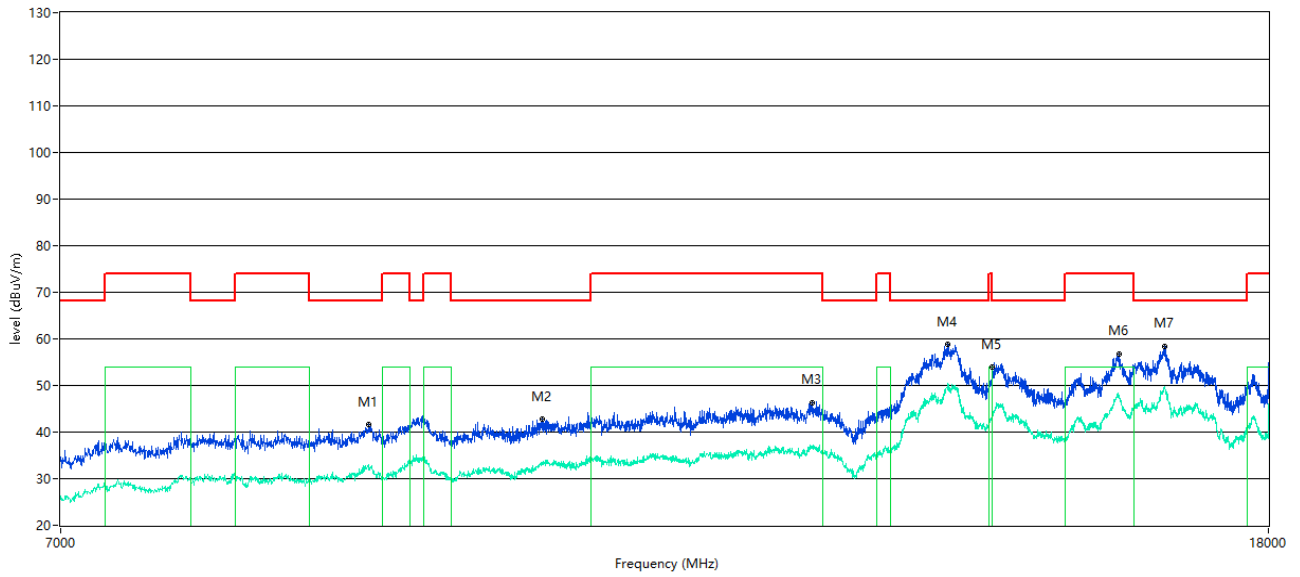
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8281.180	40.72	--	30.5	-6.93	74.0	--	54.0	23.50	98.00	100	Vertical	Pass
9240.690	44.49	--	35.0	-4.57	68.2	--	--	23.71	109.00	100	Vertical	Pass
11211.947	44.97	--	34.4	-2.01	74.0	--	54.0	19.60	210.00	100	Vertical	Pass
14065.734	59.69	--	49.8	14.54	68.2	--	--	8.51	181.00	100	Vertical	Pass
16003.999	57.63	--	47.7	10.62	74.0	--	54.0	6.30	234.00	100	Vertical	Pass
16603.349	58.53	--	49.5	12.02	68.2	--	--	9.67	4.00	100	Vertical	Pass

7 GHz to 18 GHz, ANT H Band IV 802.11a Middle channel



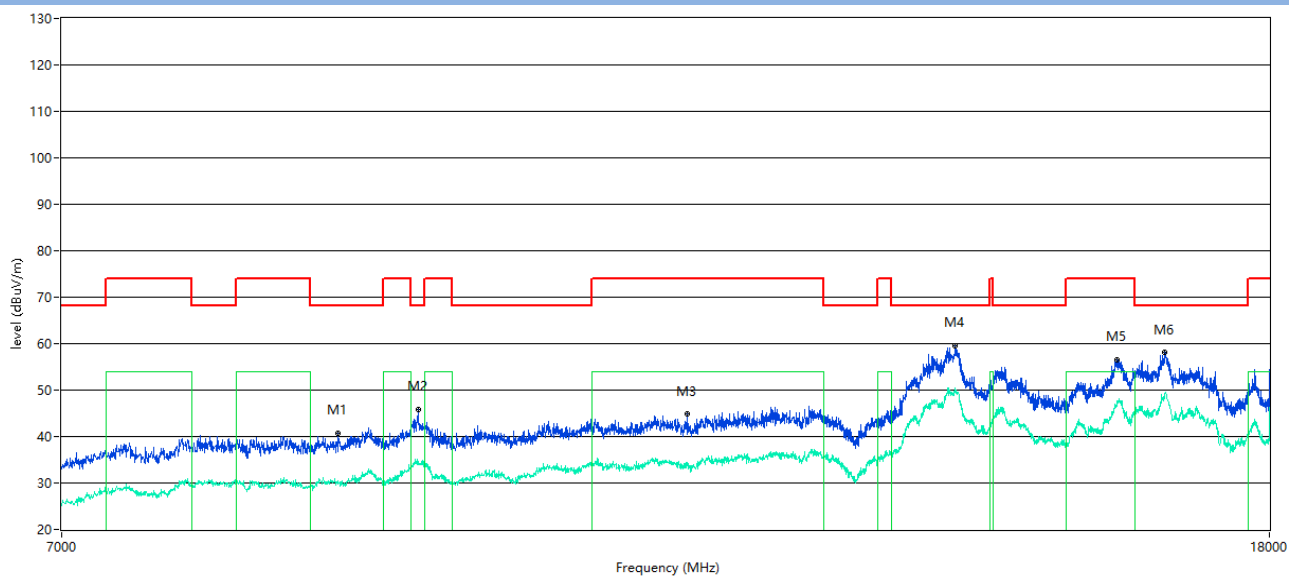
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7703.824	40.50	--	30.4	-7.74	74.0	--	54.0	23.60	102.00	100	Horizontal	Pass
9265.434	44.19	--	34.5	-4.17	68.2	--	--	24.01	313.00	100	Horizontal	Pass
10873.782	43.48	--	33.9	-1.97	74.0	--	54.0	20.10	210.00	100	Horizontal	Pass
14057.486	60.19	--	50.3	14.42	68.2	--	--	8.01	15.00	100	Horizontal	Pass
15962.759	57.12	--	46.7	9.34	74.0	--	54.0	7.30	88.00	100	Horizontal	Pass
16595.101	58.91	--	49.8	12.00	68.2	--	--	9.29	12.00	100	Horizontal	Pass

7 GHz to 18 GHz, ANT V Band IV 802.11a High channel



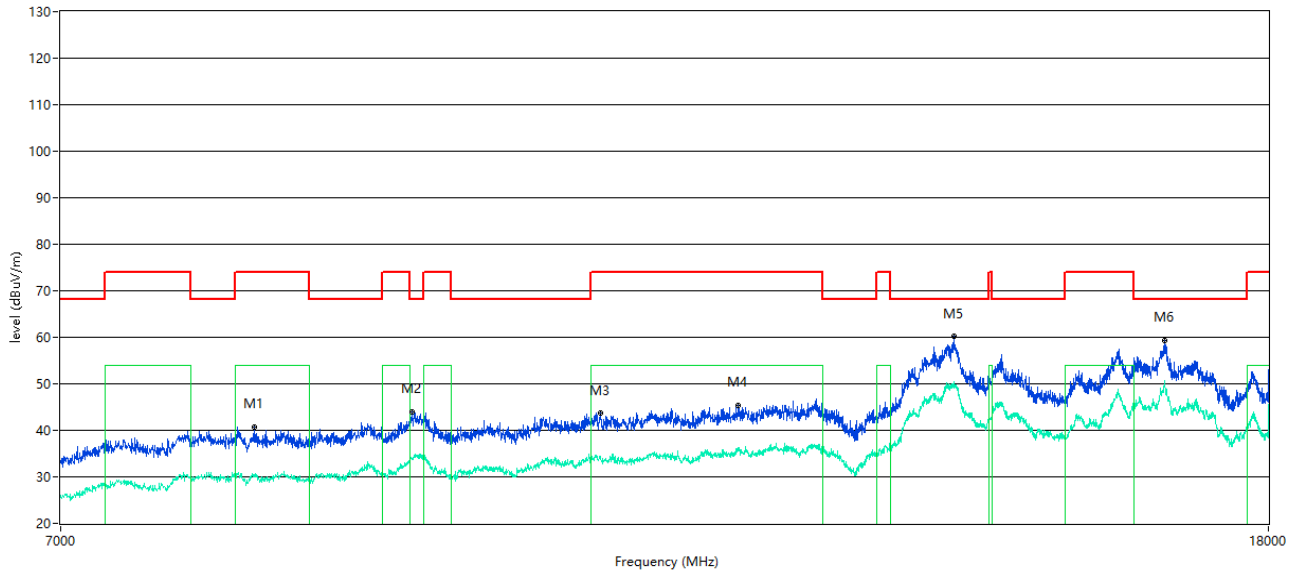
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8908.023	41.60	--	31.9	-5.14	68.2	--	--	26.60	51.00	100	Vertical	Pass
10205.699	42.75	--	33.2	-2.56	68.2	--	--	25.45	223.00	100	Vertical	Pass
12603.099	46.31	--	36.5	0.29	74.0	--	54.0	17.50	7.00	100	Vertical	Pass
14002.499	58.79	--	49.7	14.20	68.2	--	--	9.41	43.00	100	Vertical	Pass
14530.367	54.87	--	44.6	9.10	68.2	--	--	13.33	34.00	100	Vertical	Pass
16014.996	56.86	--	48.0	10.25	74.0	--	54.0	6.00	88.00	100	Vertical	Pass
16592.352	58.42	--	49.2	11.91	68.2	--	--	9.78	8.00	100	Vertical	Pass

7 GHz to 18 GHz, ANT H Band IV 802.11a High channel



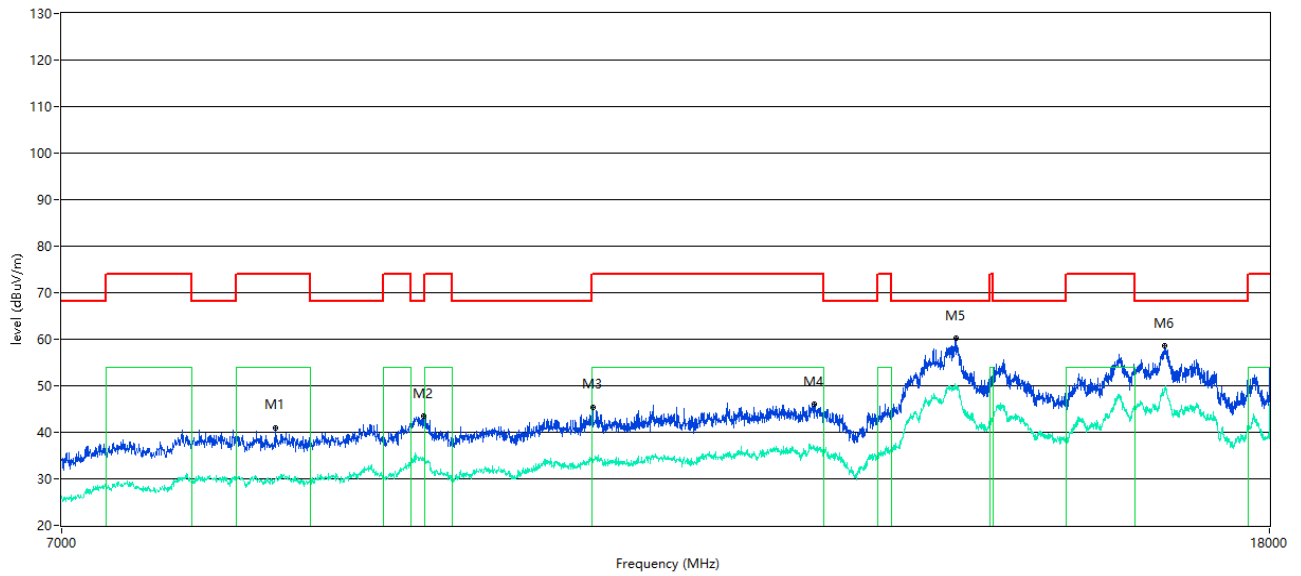
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8690.827	40.78	--	30.3	-7.11	68.2	--	--	27.42	13.00	100	Horizontal	Pass
9248.938	45.87	--	34.7	-4.42	68.2	--	--	22.33	213.00	100	Horizontal	Pass
11415.396	44.78	--	34.5	-1.79	74.0	--	54.0	19.50	10.00	100	Horizontal	Pass
14073.982	59.54	--	50.4	14.60	68.2	--	--	8.66	81.00	100	Horizontal	Pass
15973.757	56.56	--	47.2	9.83	74.0	--	54.0	6.80	34.00	100	Horizontal	Pass
16584.104	58.06	--	48.5	11.73	68.2	--	--	10.14	4.00	100	Horizontal	Pass

7 GHz to 18 GHz, ANT V Band IV 802.11n(HT20) Low channel



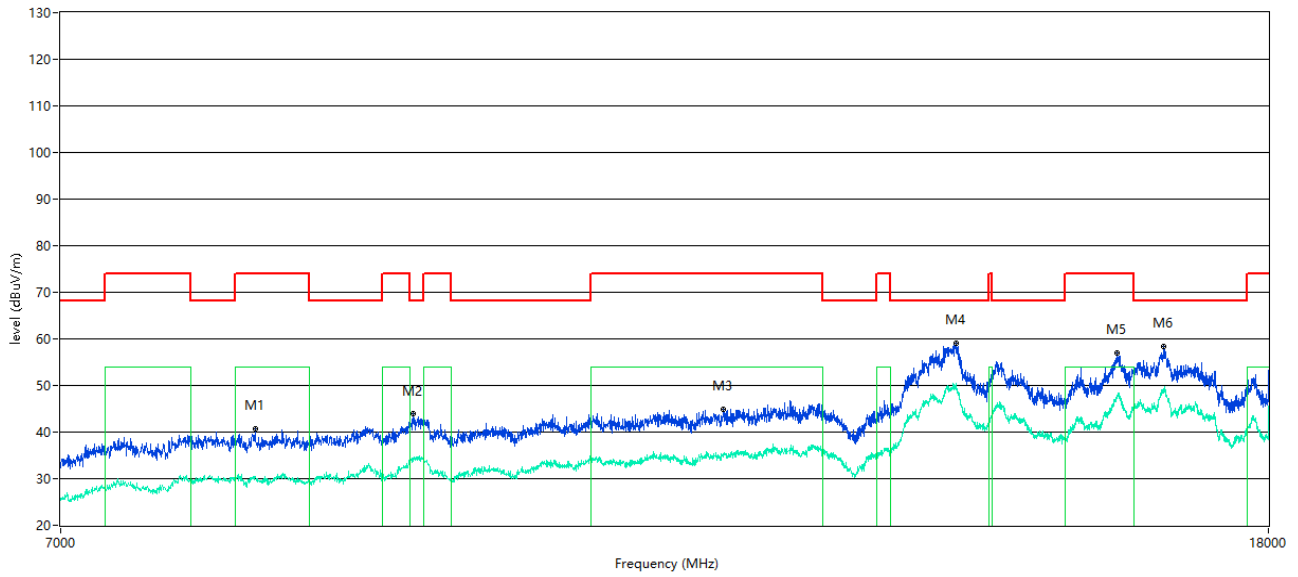
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8143.714	40.75	--	30.0	-7.84	74.0	--	54.0	24.00	234.00	100	Vertical	Pass
9215.946	43.97	--	33.9	-4.68	68.2	--	--	24.23	13.00	100	Vertical	Pass
10673.082	43.70	--	34.2	-1.73	74.0	--	54.0	19.80	28.00	100	Vertical	Pass
11891.027	45.36	--	35.9	-0.83	74.0	--	54.0	18.10	134.00	100	Vertical	Pass
14073.982	60.19	--	50.3	14.60	68.2	--	--	8.01	11.00	100	Vertical	Pass
16597.851	59.38	--	49.6	12.09	68.2	--	--	8.82	6.00	100	Vertical	Pass

7 GHz to 18 GHz, ANT H Band IV 802.11n(HT20) Low channel



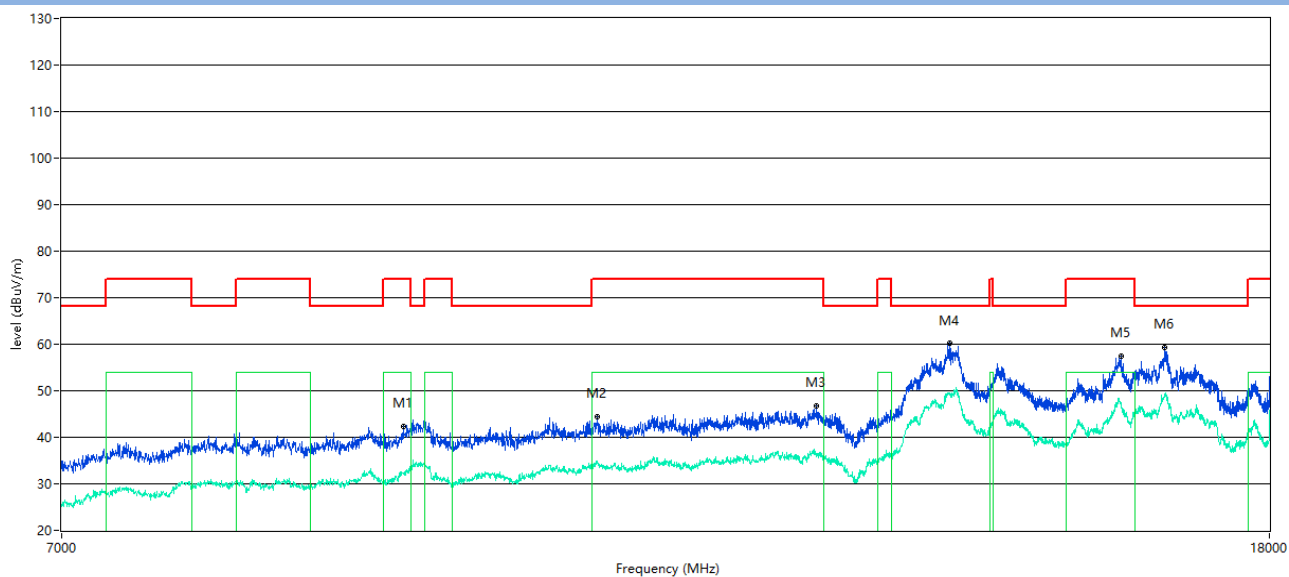
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8272.932	41.00	--	30.0	-7.05	74.0	--	54.0	24.00	91.00	100	Horizontal	Pass
9287.428	43.39	--	34.5	-4.06	68.2	--	--	24.81	28.00	100	Horizontal	Pass
10604.349	45.46	--	34.3	-1.67	74.0	--	54.0	19.70	66.00	100	Horizontal	Pass
12605.849	45.95	--	36.9	0.29	74.0	--	54.0	17.10	185.00	100	Horizontal	Pass
14084.979	60.20	--	49.8	14.84	68.2	--	--	8.00	11.00	100	Horizontal	Pass
16578.605	58.56	--	49.0	11.59	68.2	--	--	9.64	38.00	100	Horizontal	Pass

7 GHz to 18 GHz, ANT V Band IV 802.11n(HT20) Middle channel



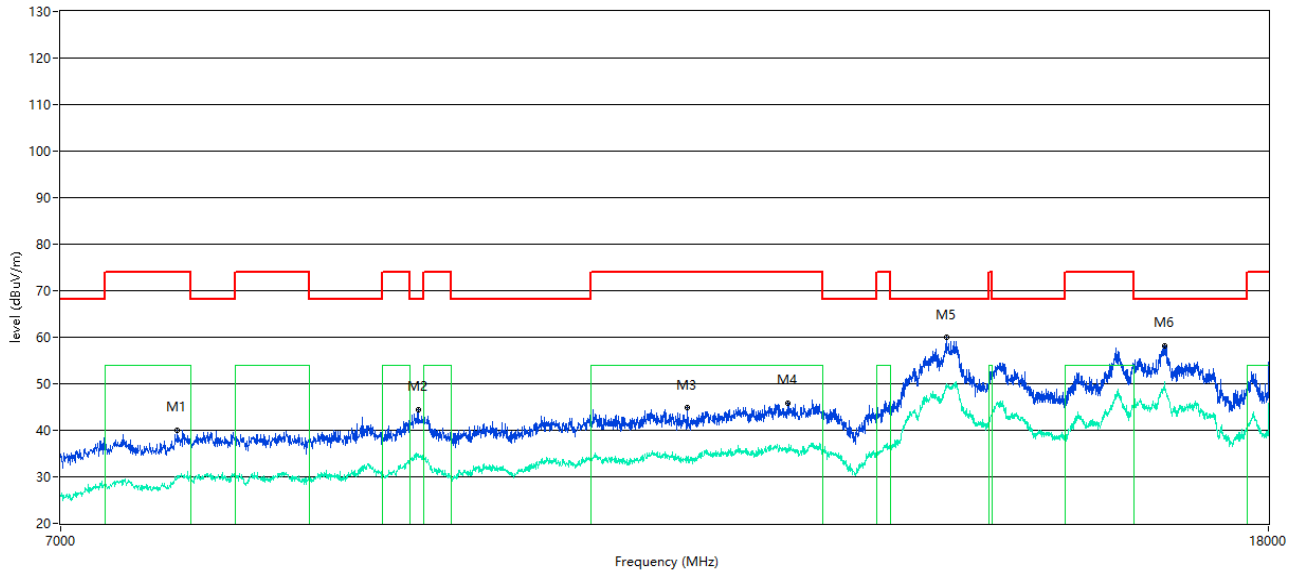
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8149.213	40.75	--	30.2	-7.80	74.0	--	54.0	23.80	18.00	100	Vertical	Pass
9218.695	43.87	--	34.0	-4.68	68.2	--	--	24.33	96.00	100	Vertical	Pass
11750.812	44.95	--	34.7	-1.05	74.0	--	54.0	19.30	226.00	100	Vertical	Pass
14104.224	59.14	--	49.2	14.55	68.2	--	--	9.06	3.00	100	Vertical	Pass
15990.252	57.03	--	47.9	10.35	74.0	--	54.0	6.10	312.00	100	Vertical	Pass
16581.355	58.38	--	49.0	11.66	68.2	--	--	9.82	8.00	100	Vertical	Pass

7 GHz to 18 GHz, ANT H Band IV 802.11n(HT20) Middle channel



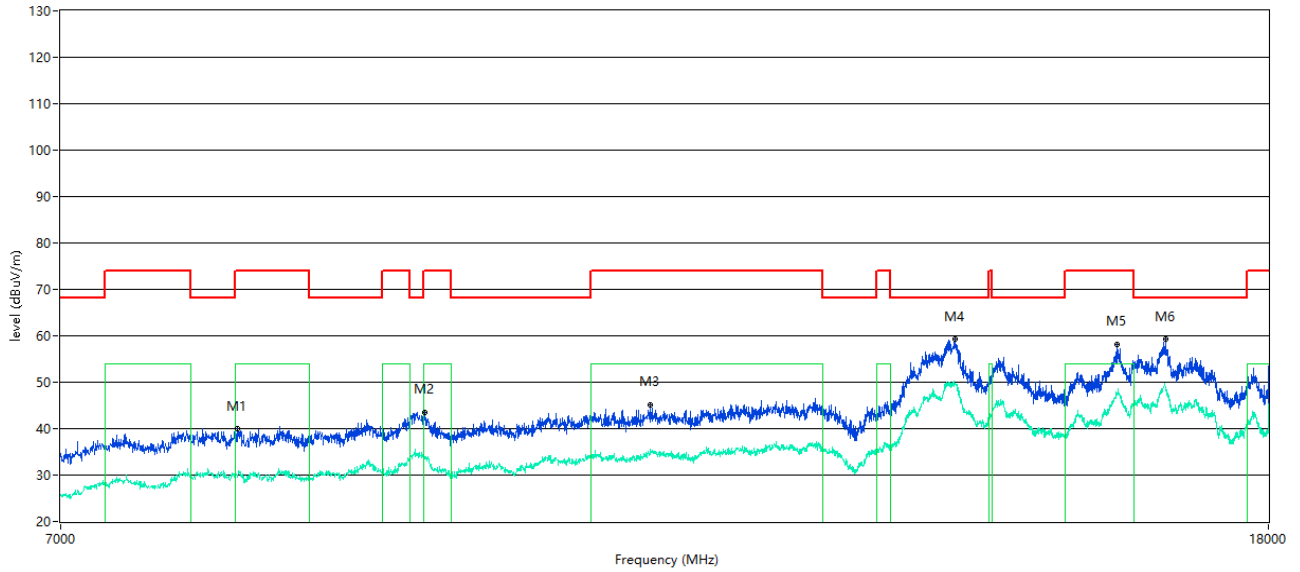
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9144.464	42.41	--	32.2	-6.46	74.0	--	54.0	21.80	214.00	100	Horizontal I	Pass
10645.589	44.47	--	34.5	-1.72	74.0	--	54.0	19.50	32.00	100	Horizontal I	Pass
12633.342	46.77	--	36.4	0.17	74.0	--	54.0	17.60	78.00	100	Horizontal I	Pass
14024.494	60.17	--	49.2	14.25	68.2	--	--	8.03	321.00	100	Horizontal I	Pass
16031.492	57.48	--	46.3	9.74	74.0	--	54.0	7.70	14.00	100	Horizontal I	Pass
16589.603	59.33	--	49.2	11.84	68.2	--	--	8.87	12.00	100	Horizontal I	Pass

7 GHz to 18 GHz, ANT V Band IV 802.11n(HT20) High channel



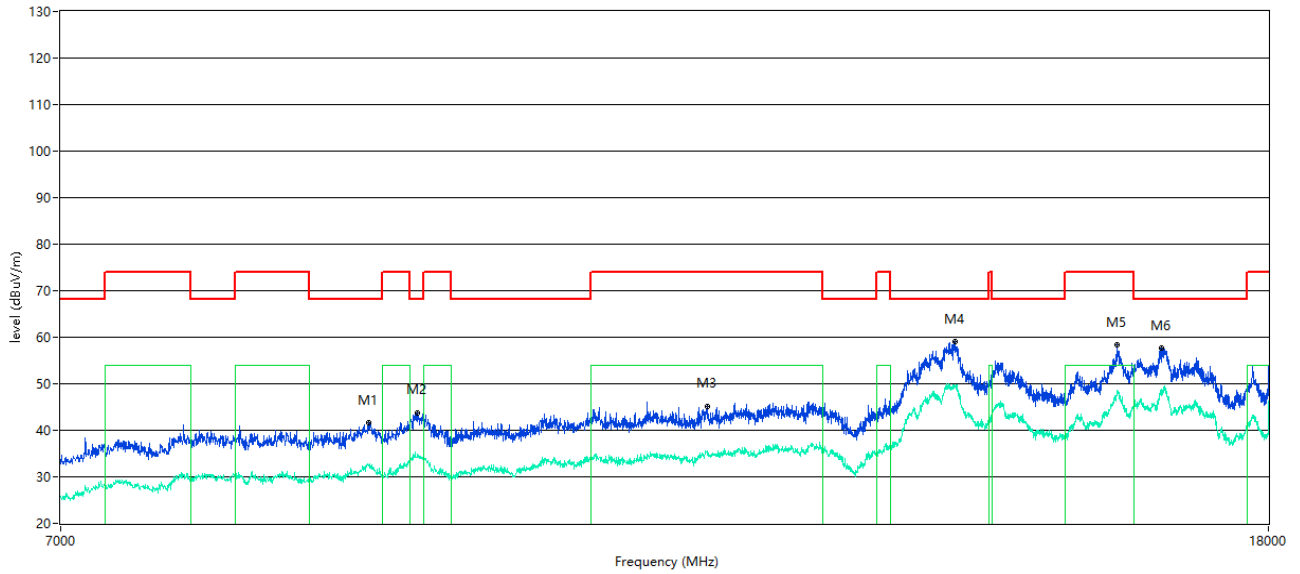
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7668.083	40.09	--	30.3	-8.38	74.0	--	54.0	23.70	91.00	100	Vertical	Pass
9259.935	44.42	--	34.5	-4.28	68.2	--	--	23.78	6.00	100	Vertical	Pass
11426.393	44.81	--	34.2	-1.63	74.0	--	54.0	19.80	310.00	100	Vertical	Pass
12361.160	45.91	--	36.1	-0.68	74.0	--	54.0	17.90	214.00	100	Vertical	Pass
13991.502	59.95	--	49.6	14.01	68.2	--	--	8.25	11.00	100	Vertical	Pass
16592.352	58.16	--	49.4	11.91	68.2	--	--	10.04	185.00	100	Vertical	Pass

7 GHz to 18 GHz, ANT H Band IV 802.11n(HT20) High channel



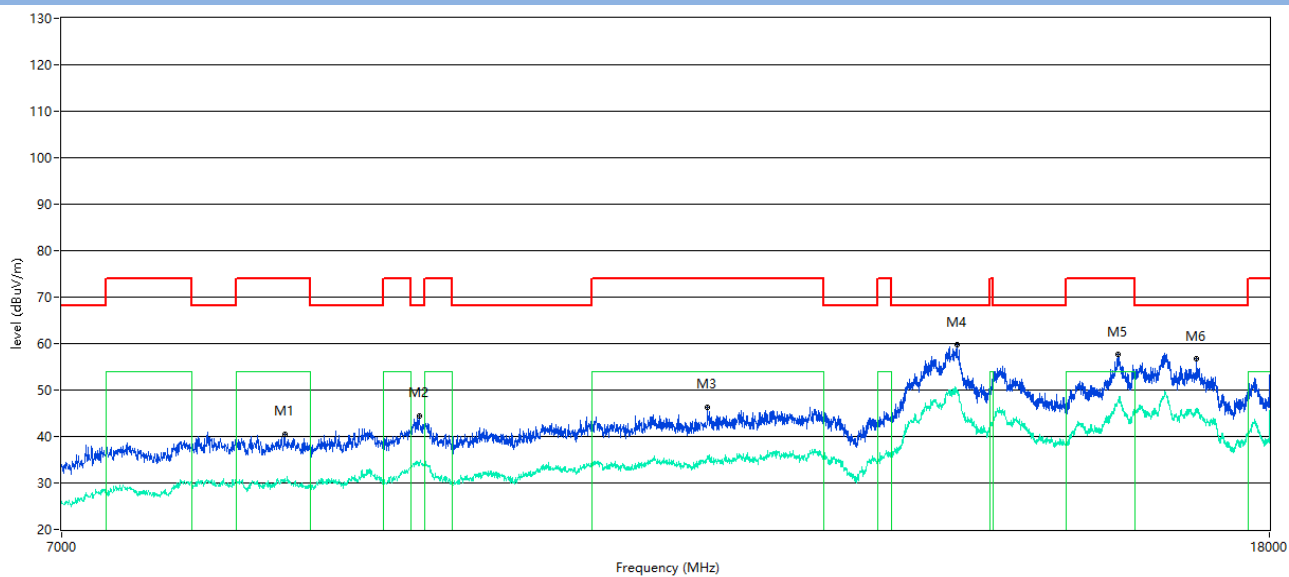
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
8036.491	39.98	--	30.0	-8.59	74.0	--	54.0	24.00	13.00	100	Horizontal	Pass
9303.924	43.54	--	33.7	-4.11	74.0	--	54.0	20.30	331.00	100	Horizontal	Pass
11099.225	45.22	--	35.6	-1.68	74.0	--	54.0	18.40	28.00	100	Horizontal	Pass
14090.477	59.19	--	49.8	14.83	68.2	--	--	9.01	7.00	100	Horizontal	Pass
15995.751	58.10	--	47.7	10.57	74.0	--	54.0	6.30	89.00	100	Horizontal	Pass
16608.848	59.24	--	48.7	11.82	68.2	--	--	8.96	86.00	100	Horizontal	Pass

7 GHz to 18 GHz, ANT V Band IV 802.11ac(HT20) Low channel



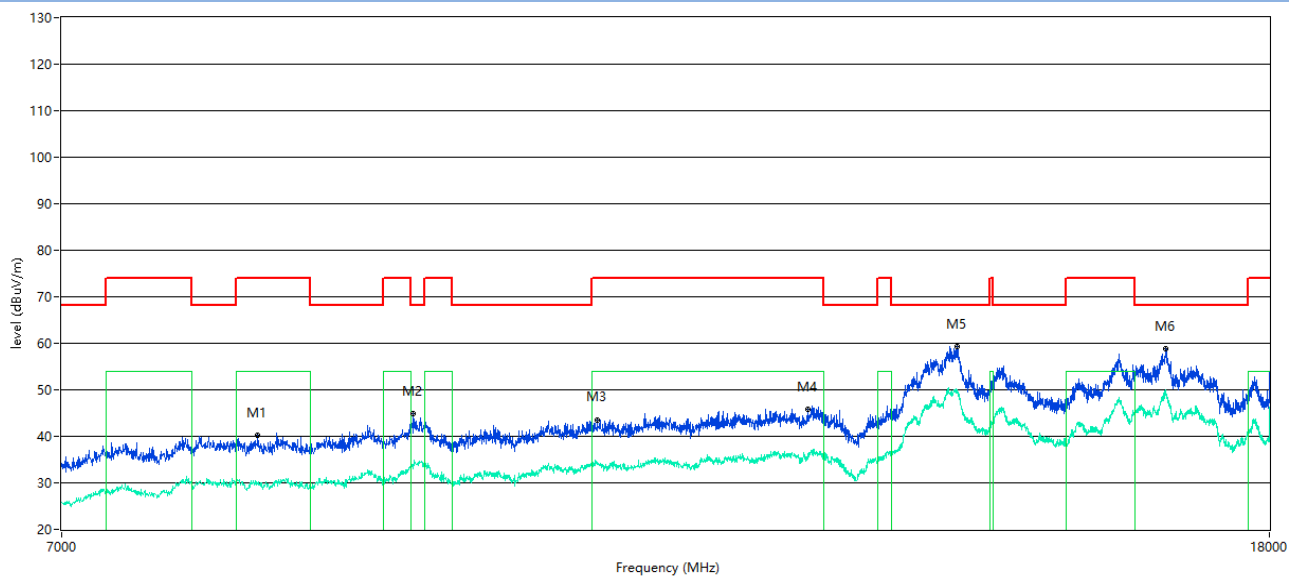
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8905.274	41.54	--	32.6	-5.05	68.2	--	--	26.66	1.00	100	Vertical	Pass
9251.687	43.82	--	34.9	-4.36	68.2	--	--	24.38	66.00	100	Vertical	Pass
11605.099	45.15	--	35.4	-0.84	74.0	--	54.0	18.60	10.00	100	Vertical	Pass
14087.728	59.03	--	49.3	14.85	68.2	--	--	9.17	311.00	100	Vertical	Pass
15984.754	58.34	--	47.7	10.16	74.0	--	54.0	6.30	67.00	100	Vertical	Pass
16553.862	57.67	--	48.3	11.00	68.2	--	--	10.53	12.00	100	Vertical	Pass

7 GHz to 18 GHz, ANT H Band IV 802.11ac(HT20) Low channel



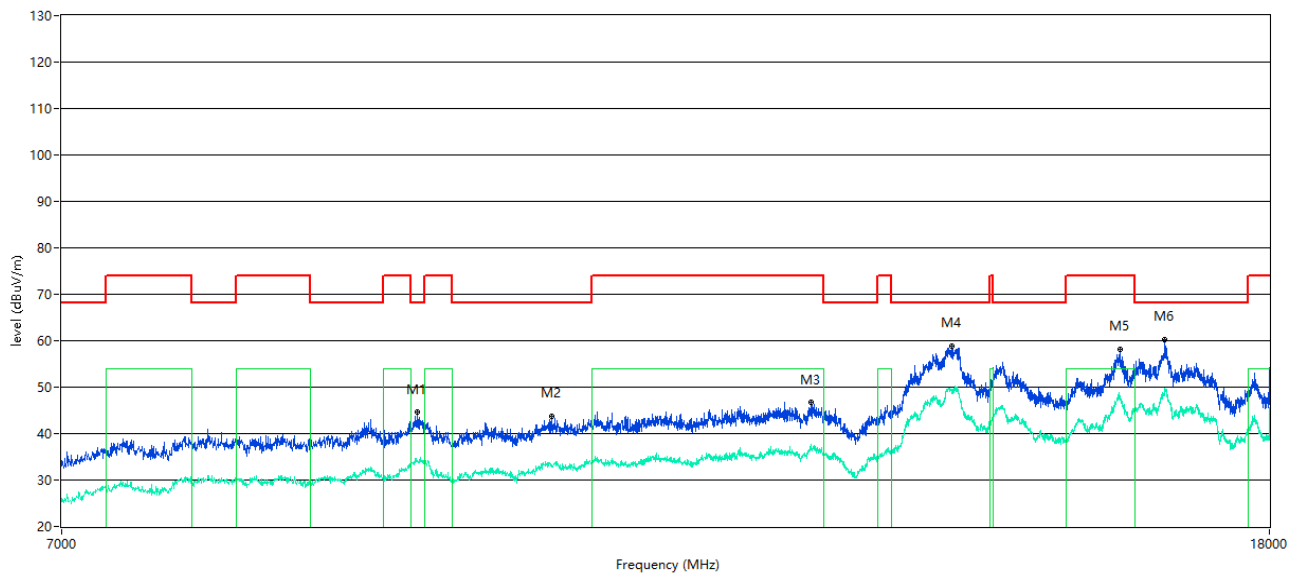
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
8333.417	40.54	--	30.8	-6.86	74.0	--	54.0	23.20	13.00	100	Horizontal	Pass
9257.186	44.44	--	34.4	-4.29	68.2	--	--	23.76	16.00	100	Horizontal	Pass
11596.851	46.21	--	35.6	-0.88	74.0	--	54.0	18.40	14.00	100	Horizontal	Pass
14095.976	59.71	--	49.8	14.77	68.2	--	--	8.49	181.00	100	Horizontal	Pass
15987.503	57.67	--	47.8	10.25	74.0	--	54.0	6.20	86.00	100	Horizontal	Pass
16996.501	56.70	--	46.0	10.34	68.2	--	--	11.50	0.00	100	Horizontal	Pass

7 GHz to 18 GHz, ANT V Band IV 802.11ac(HT20) Middle channel



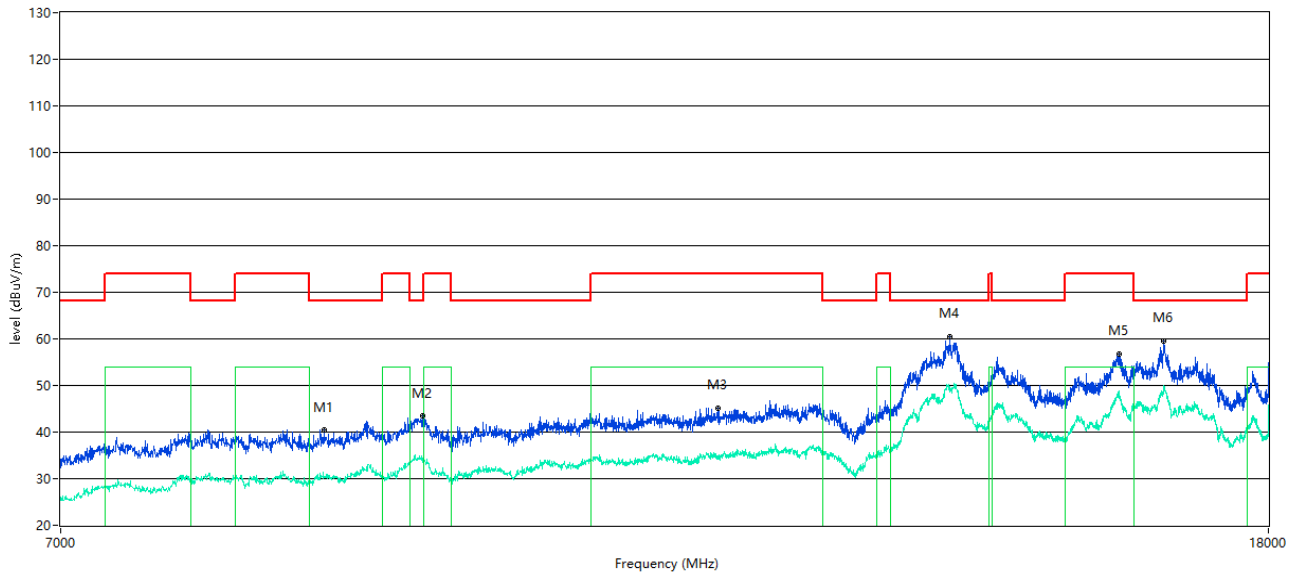
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
8160.210	40.22	--	29.9	-7.88	74.0	--	54.0	24.10	18.00	100	Vertical	Pass
9215.946	44.79	--	33.4	-4.68	68.2	--	--	23.41	9.00	100	Vertical	Pass
10640.090	43.51	--	34.1	-1.65	74.0	--	54.0	19.90	164.00	100	Vertical	Pass
12545.364	45.81	--	35.2	-0.15	74.0	--	54.0	18.80	15.00	100	Vertical	Pass
14098.725	59.25	--	50.0	14.80	68.2	--	--	8.95	152.00	100	Vertical	Pass
16595.101	58.78	--	49.8	12.00	68.2	--	--	9.42	37.00	100	Vertical	Pass

7 GHz to 18 GHz, ANT H Band IV 802.11ac(HT20) Middle channel



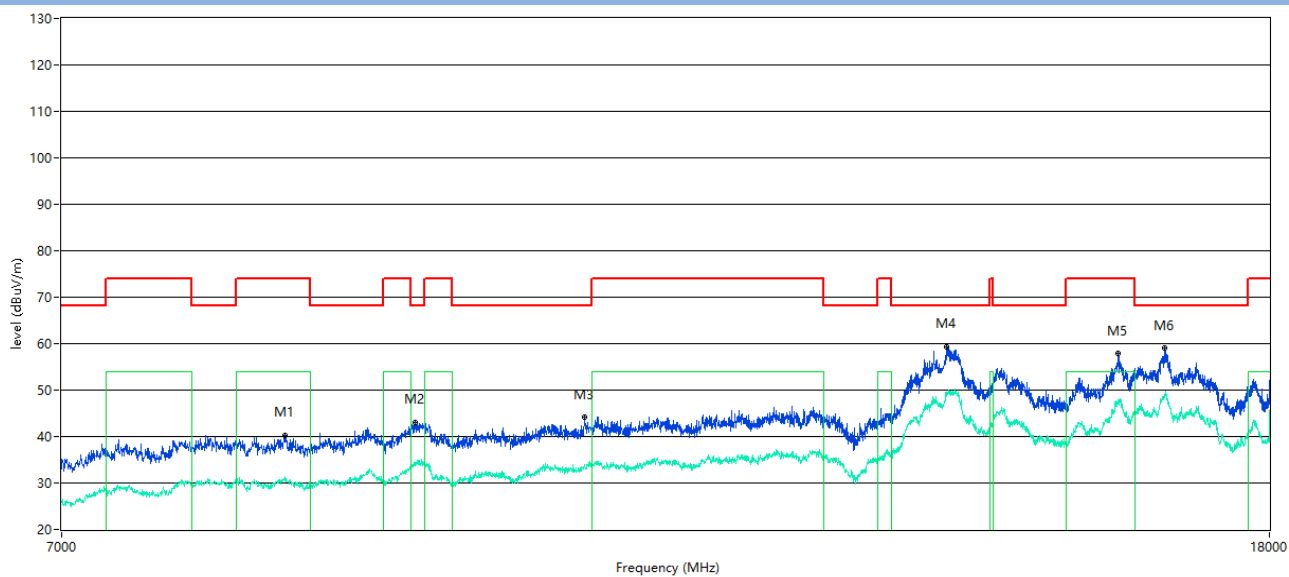
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
9246.188	44.61	--	34.1	-4.49	68.2	--	--	23.59	2.00	100	Horizontal	Pass
10271.682	43.73	--	32.8	-2.20	68.2	--	--	24.47	14.00	100	Horizontal	Pass
12581.105	46.67	--	37.6	0.14	74.0	--	54.0	16.40	121.00	100	Horizontal	Pass
14040.990	58.95	--	49.0	14.29	68.2	--	--	9.25	43.00	100	Horizontal	Pass
16012.247	58.21	--	48.0	10.34	74.0	--	54.0	6.00	46.00	100	Horizontal	Pass
16589.603	60.29	--	49.7	11.84	68.2	--	--	7.91	246.00	100	Horizontal	Pass

7 GHz to 18 GHz, ANT V Band IV 802.11ac(HT20) High channel



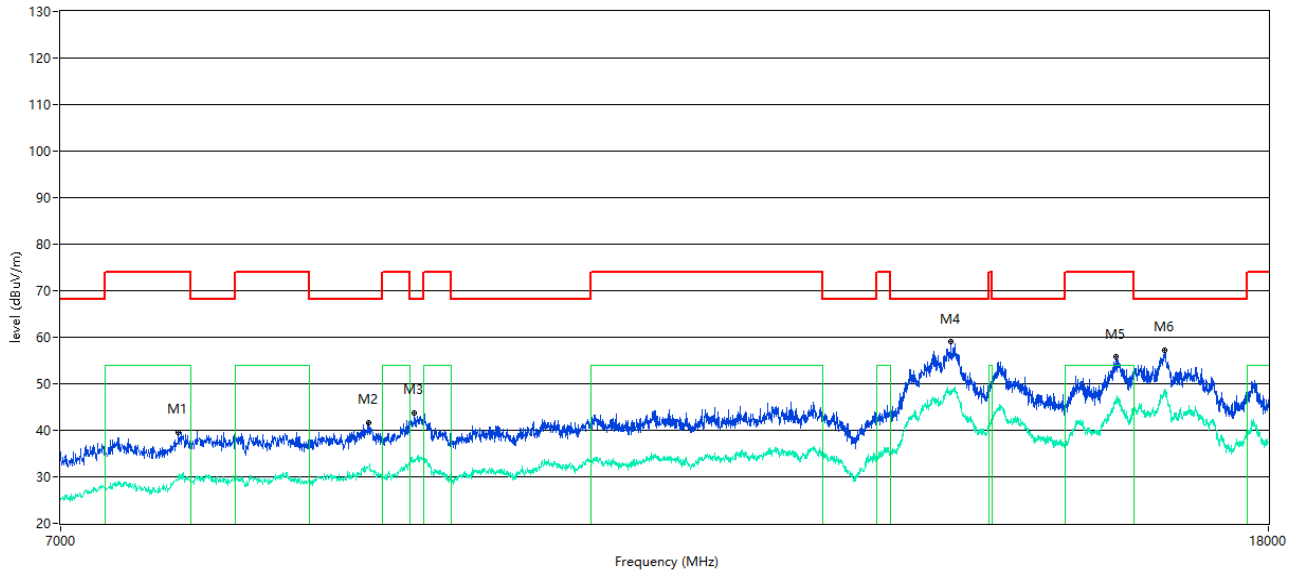
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
8600.100	40.46	--	30.2	-7.21	68.2	--	--	27.74	103.00	100	Vertical	Pass
9292.927	43.45	--	33.9	-4.01	68.2	--	--	24.75	1.00	100	Vertical	Pass
11701.325	45.12	--	34.3	-0.61	74.0	--	54.0	19.70	221.00	100	Vertical	Pass
14035.491	60.58	--	49.7	14.27	68.2	--	--	7.62	156.00	100	Vertical	Pass
16012.247	56.79	--	48.6	10.34	74.0	--	54.0	5.40	48.00	100	Vertical	Pass
16589.603	59.59	--	49.9	11.84	68.2	--	--	8.61	15.00	100	Vertical	Pass

7 GHz to 18 GHz, ANT H Band IV 802.11ac(HT20) High channel



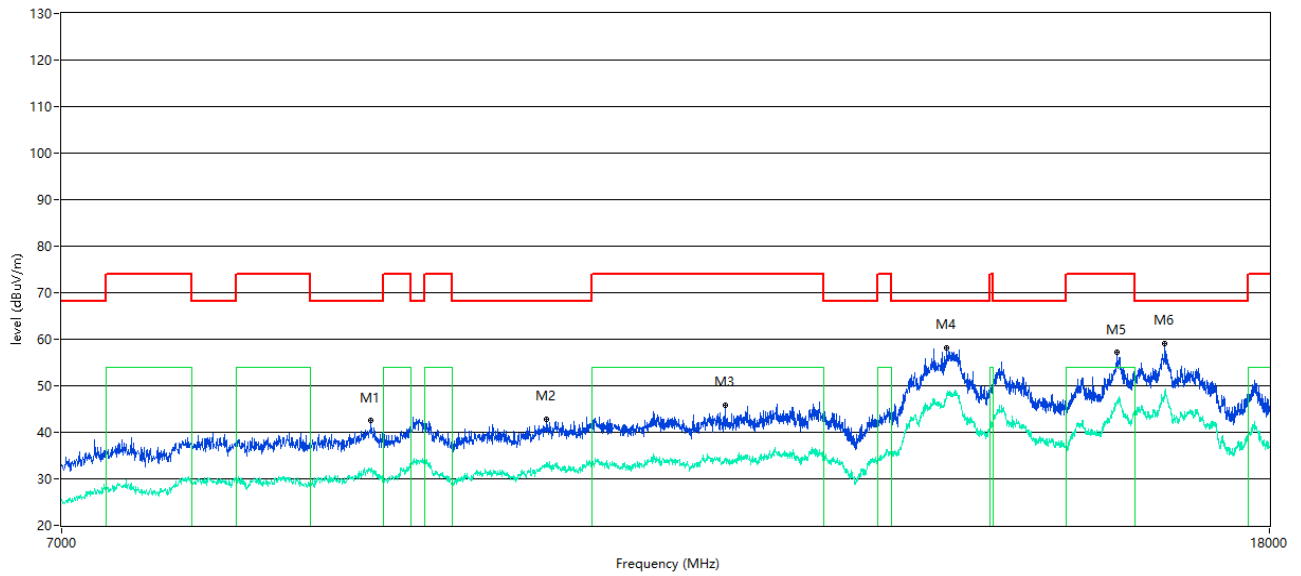
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8333.417	40.34	--	31.4	-6.86	74.0	--	54.0	22.60	231.00	100	Horizontal	Pass
9226.943	43.09	--	33.8	-4.67	68.2	--	--	25.11	51.00	100	Horizontal	Pass
10532.867	44.28	--	33.8	-2.41	68.2	--	--	23.92	10.00	100	Horizontal	Pass
13980.505	59.36	--	49.1	13.57	68.2	--	--	8.84	73.00	100	Horizontal	Pass
15993.002	57.83	--	47.9	10.46	74.0	--	54.0	6.10	8.00	100	Horizontal	Pass
16589.603	59.04	--	49.1	11.84	68.2	--	--	9.16	234.00	100	Horizontal	Pass

7 GHz to 18 GHz, ANT V Band IV 802.11n(HT40) Low channel



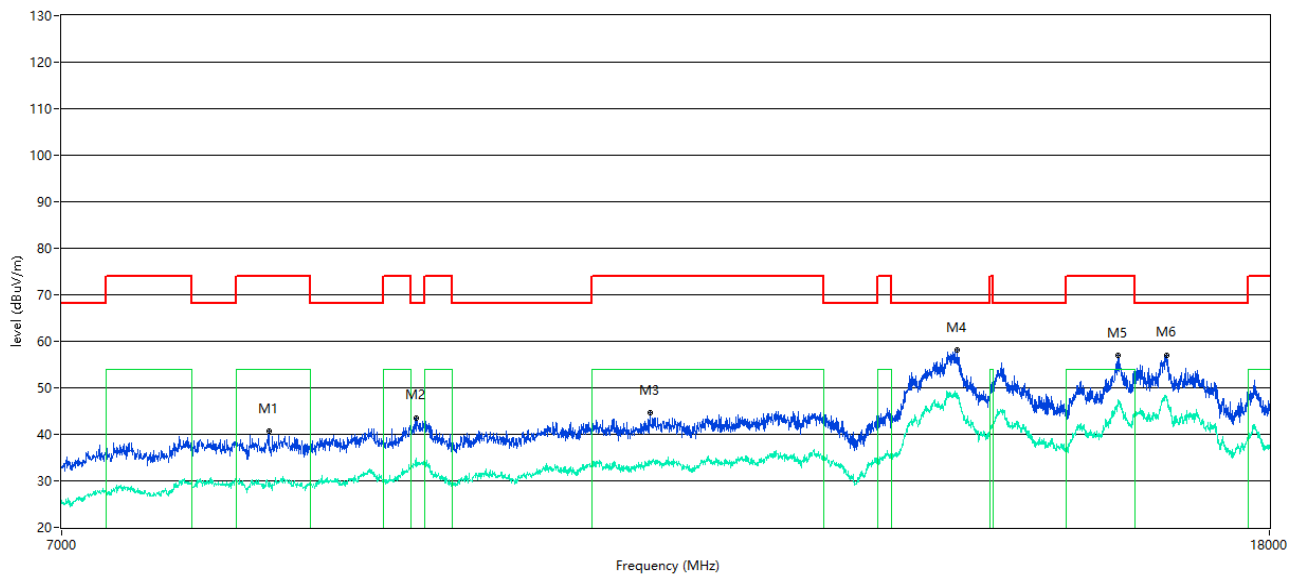
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
7673.582	39.65	--	29.8	-8.22	74.0	--	54.0	24.20	127.00	100	Vertical	Pass
8908.023	41.69	--	32.3	-5.14	68.2	--	--	26.51	282.00	100	Vertical	Pass
9232.442	43.80	--	33.8	-4.61	68.2	--	--	24.40	33.00	100	Vertical	Pass
14043.739	59.18	--	48.5	14.32	68.2	--	--	9.02	217.00	100	Vertical	Pass
15979.255	55.72	--	46.8	10.02	74.0	--	54.0	7.20	15.00	100	Vertical	Pass
16597.851	57.28	--	48.1	12.09	68.2	--	--	10.92	91.00	100	Vertical	Pass

7 GHz to 18 GHz, ANT H Band IV 802.11n(HT40) Low channel



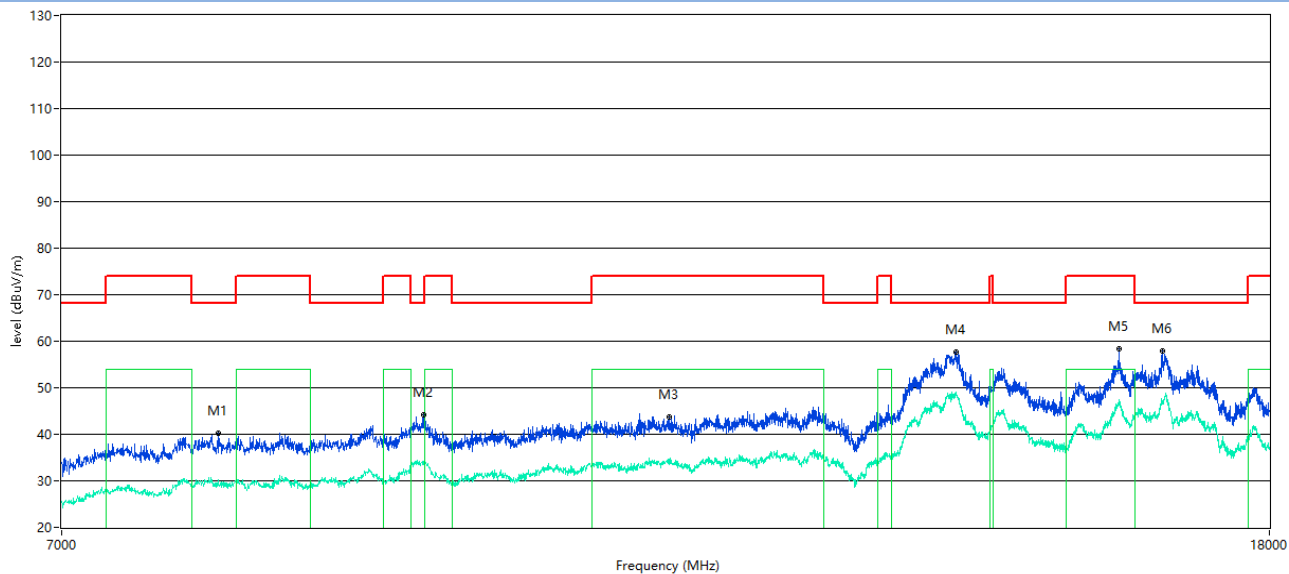
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
8916.271	42.60	--	31.4	-5.24	68.2	--	--	25.60	213.00	100	Horizontal	Pass
10230.442	42.82	--	33.4	-2.34	68.2	--	--	25.38	100.00	100	Horizontal	Pass
11759.060	45.71	--	34.5	-1.07	74.0	--	54.0	19.50	258.00	100	Horizontal	Pass
13983.254	58.17	--	48.4	13.70	68.2	--	--	10.03	64.00	100	Horizontal	Pass
15979.255	57.27	--	46.7	10.02	74.0	--	54.0	7.30	261.00	100	Horizontal	Pass
16589.603	59.13	--	48.4	11.84	68.2	--	--	9.07	190.00	100	Horizontal	Pass

7 GHz to 18 GHz, ANT V Band IV 802.11n(HT40) High channel



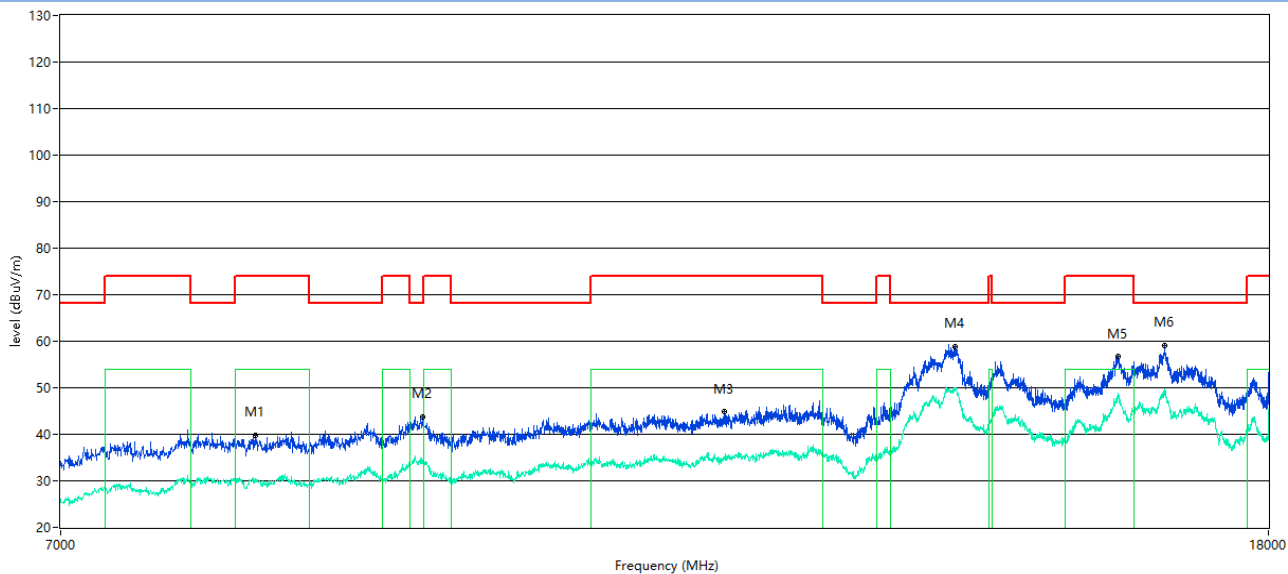
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8231.692	40.63	--	29.7	-7.56	74.0	--	54.0	24.30	15.00	100	Vertical	Pass
9237.941	43.60	--	34.7	-4.58	68.2	--	--	24.60	0.00	100	Vertical	Pass
11088.228	44.64	--	33.7	-1.72	74.0	--	54.0	20.30	194.00	100	Vertical	Pass
14101.475	58.03	--	48.5	14.72	68.2	--	--	10.17	38.00	100	Vertical	Pass
15990.252	56.95	--	47.4	10.35	74.0	--	54.0	6.60	20.00	100	Vertical	Pass
16606.098	57.03	--	47.8	11.92	68.2	--	--	11.17	4.00	100	Vertical	Pass

7 GHz to 18 GHz, ANT H Band IV 802.11n(HT40) High channel



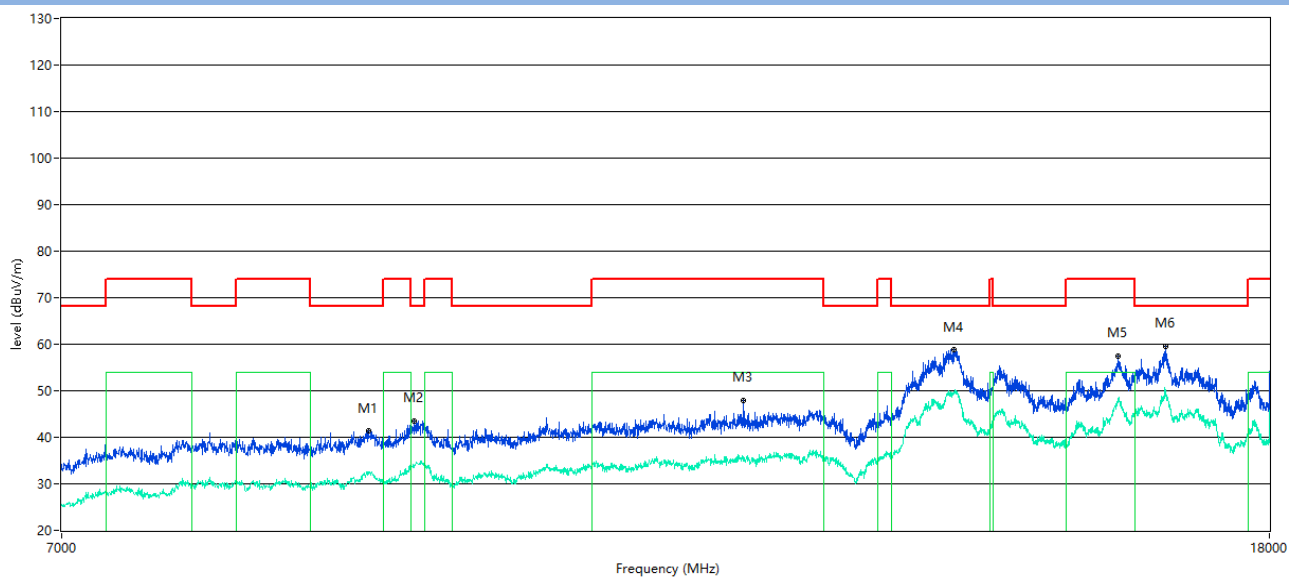
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
7912.772	40.24	--	30.3	-8.96	68.2	--	--	27.96	167.00	100	Horizontal	Pass
9290.177	44.12	--	34.2	-4.02	68.2	--	--	24.08	306.00	100	Horizontal	Pass
11261.435	43.81	--	33.5	-1.74	74.0	--	54.0	20.50	340.00	100	Horizontal	Pass
14090.477	57.57	--	48.8	14.83	68.2	--	--	10.63	137.00	100	Horizontal	Pass
15998.500	58.42	--	47.0	10.69	74.0	--	54.0	7.00	265.00	100	Horizontal	Pass
16559.360	57.89	--	46.6	11.18	68.2	--	--	10.31	235.00	100	Horizontal	Pass

7 GHz to 18 GHz, ANT V Band IV 802.11ac(HT40) Low channel



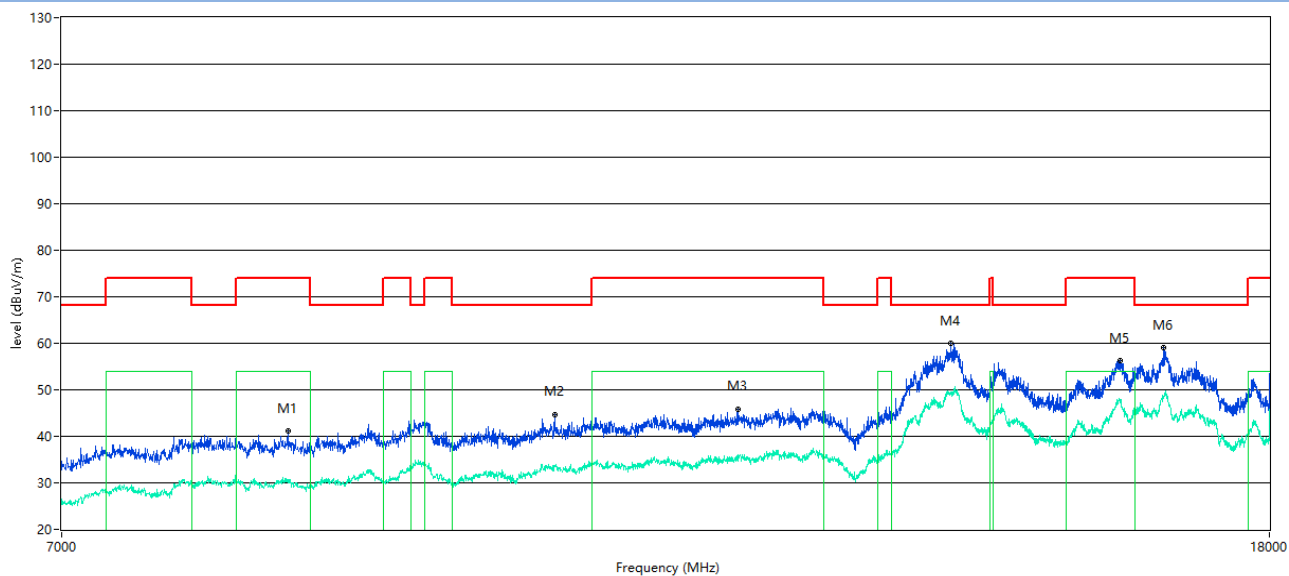
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
8149.213	39.81	--	29.8	-7.80	74.0	--	54.0	24.20	95.00	100	Vertical	Pass
9287.428	43.74	--	34.3	-4.06	68.2	--	--	24.46	9.00	100	Vertical	Pass
11764.559	44.78	--	34.9	-1.09	74.0	--	54.0	19.10	150.00	100	Vertical	Pass
14093.227	58.88	--	49.6	14.80	68.2	--	--	9.32	234.00	100	Vertical	Pass
15998.500	56.66	--	48.5	10.69	74.0	--	54.0	5.50	122.00	100	Vertical	Pass
16595.101	59.08	--	49.0	12.00	68.2	--	--	9.12	15.00	100	Vertical	Pass

7 GHz to 18 GHz, ANT H Band IV 802.11ac(HT40) Low channel



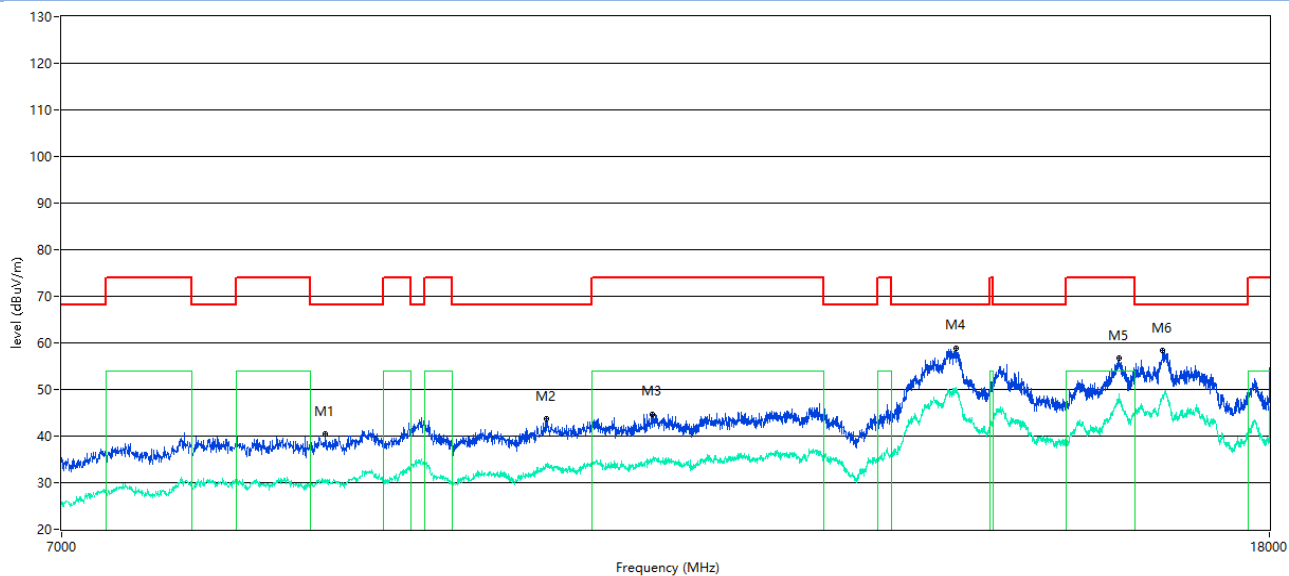
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
8899.775	41.34	--	32.7	-4.87	68.2	--	--	26.86	1.00	100	Horizontal	Pass
9224.194	43.60	--	34.0	-4.69	68.2	--	--	24.60	164.00	100	Horizontal	Pass
11932.267	47.96	--	35.7	-0.81	74.0	--	54.0	18.30	215.00	100	Horizontal	Pass
14060.235	58.82	--	49.4	14.46	68.2	--	--	9.38	75.00	100	Horizontal	Pass
15993.002	57.49	--	48.0	10.46	74.0	--	54.0	6.00	46.00	100	Horizontal	Pass
16600.600	59.65	--	50.1	12.12	68.2	--	--	8.55	0.00	100	Horizontal	Pass

7 GHz to 18 GHz, ANT V Band IV 802.11ac(HT40) High channel



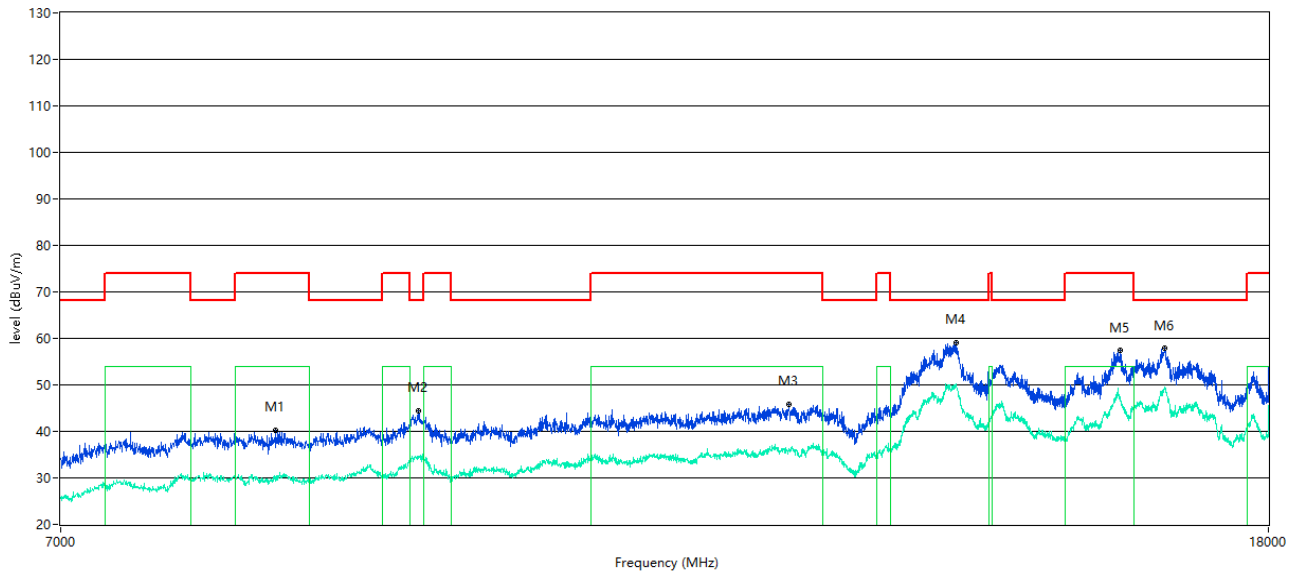
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
8355.411	41.10	--	30.6	-6.99	74.0	--	54.0	23.40	103.00	100	Vertical	Pass
10293.677	44.65	--	33.7	-2.04	68.2	--	--	23.55	6.00	100	Vertical	Pass
11877.281	45.86	--	36.1	-0.91	74.0	--	54.0	17.90	120.00	100	Vertical	Pass
14035.491	59.92	--	49.3	14.27	68.2	--	--	8.28	3.00	100	Vertical	Pass
16012.247	56.22	--	47.4	10.34	74.0	--	54.0	6.60	185.00	100	Vertical	Pass
16567.608	59.02	--	48.2	11.34	68.2	--	--	9.18	15.00	100	Vertical	Pass

7 GHz to 18 GHz, ANT H Band IV 802.11ac(HT40) High channel



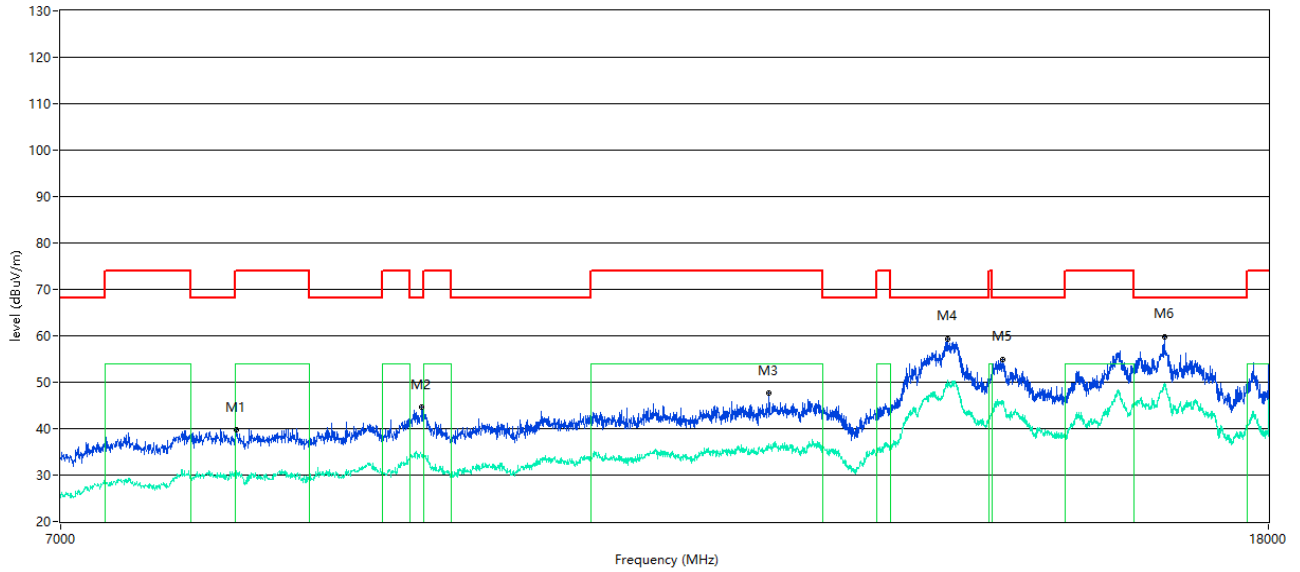
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
8605.599	40.39	--	30.7	-7.21	68.2	--	--	27.81	46.00	100	Horizontal	Pass
10230.442	43.61	--	33.7	-2.34	68.2	--	--	24.59	73.00	100	Horizontal	Pass
11107.473	44.74	--	34.8	-1.78	74.0	--	54.0	19.20	107.00	100	Horizontal	Pass
14090.477	58.92	--	49.8	14.83	68.2	--	--	9.28	72.00	100	Horizontal	Pass
16001.250	56.70	--	49.0	10.71	74.0	--	54.0	5.00	338.00	100	Horizontal	Pass
16559.360	58.37	--	48.8	11.18	68.2	--	--	9.83	15.00	100	Horizontal	Pass

7 GHz to 18 GHz, ANT V Band IV 802.11ac(HT80) Low channel



Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
8283.929	40.24	--	30.2	-6.94	74.0	--	54.0	23.80	91.00	100	Vertical	Pass
9259.935	44.43	--	34.3	-4.28	68.2	--	--	23.77	243.00	100	Vertical	Pass
12372.157	45.88	--	36.3	-0.70	74.0	--	54.0	17.70	107.00	100	Vertical	Pass
14098.725	59.09	--	50.3	14.80	68.2	--	--	9.11	165.00	100	Vertical	Pass
16028.743	57.38	--	47.5	9.83	74.0	--	54.0	6.50	46.00	100	Vertical	Pass
16603.349	57.90	--	49.1	12.02	68.2	--	--	10.30	4.00	100	Vertical	Pass

7 GHz to 18 GHz, ANT H Band IV 802.11ac(HT80) Low channel



Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
8028.243	39.76	--	30.9	-8.82	74.0	--	54.0	23.10	91.00	100	Horizontal	Pass
9281.930	44.65	--	34.3	-4.15	68.2	--	--	23.55	64.00	100	Horizontal	Pass
12182.454	47.58	--	36.8	-0.55	74.0	--	54.0	17.20	78.00	100	Horizontal	Pass
14010.747	59.39	--	50.4	14.28	68.2	--	--	8.81	161.00	100	Horizontal	Pass
14623.844	54.93	--	45.7	9.87	68.2	--	--	13.27	78.00	100	Horizontal	Pass
16592.352	59.84	--	49.7	11.91	68.2	--	--	8.36	34.00	100	Horizontal	Pass

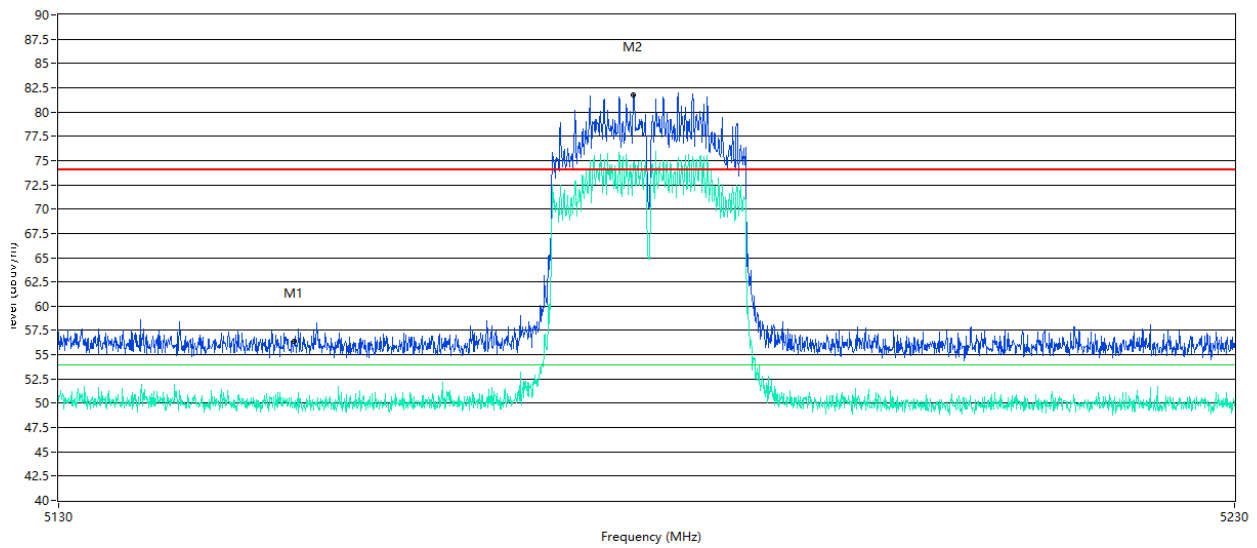
A.7.2 Band Edge (Restricted-band)

Note: Test plots please refer to the document “Annex No.: BL-EC1830163-604 Data Part 5.pdf”.

Test Band	Mode	Channel	Verdict
Band I	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
Band IV	802.11ac(HT80)	Low	Pass
		High	Pass
	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(HT80)	Low	Pass

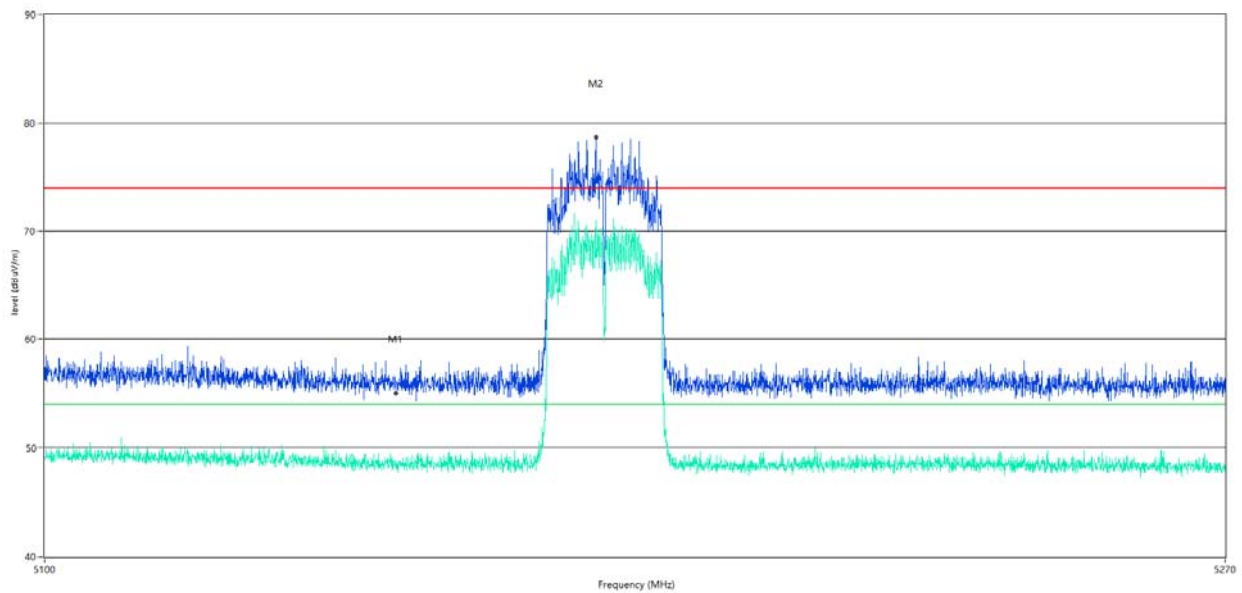
Test Plots

Band I 11a CH36 ANT V



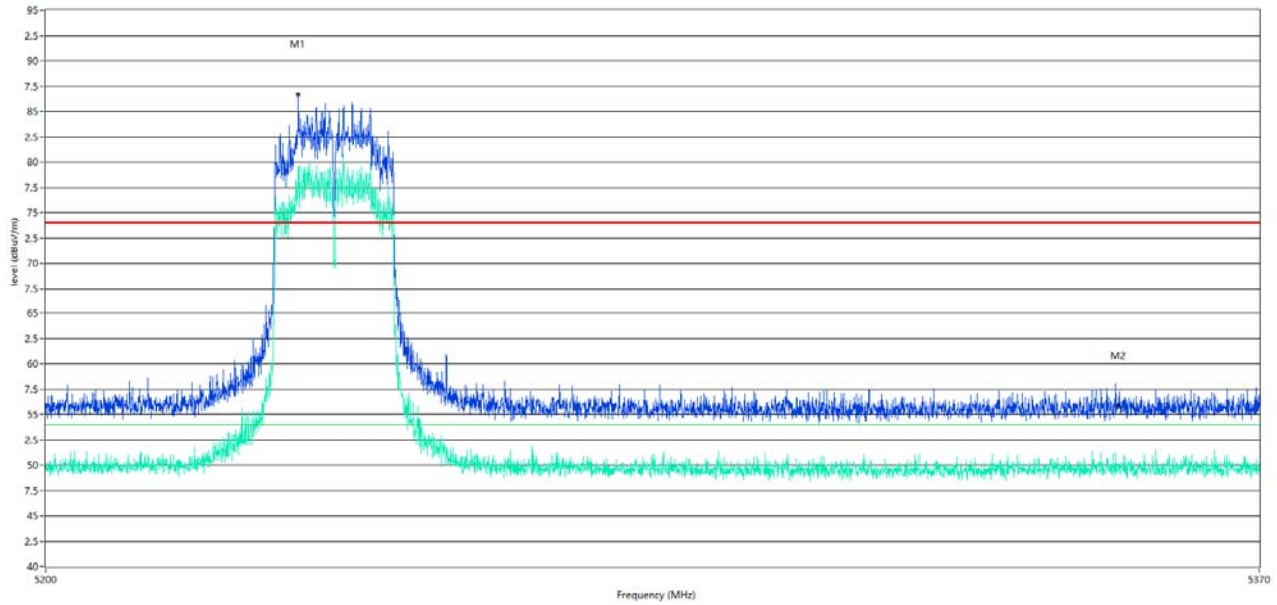
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5150.000	56.51	--	50.1	44.02	74.0	--	54.0	3.90	160.93	100	Vertical	Pass
5178.630	81.80	--	74.8	43.84	74.0	--	54.0	-20.80	91.30	100	Vertical	N.A

Band I 11a CH36 ANT H



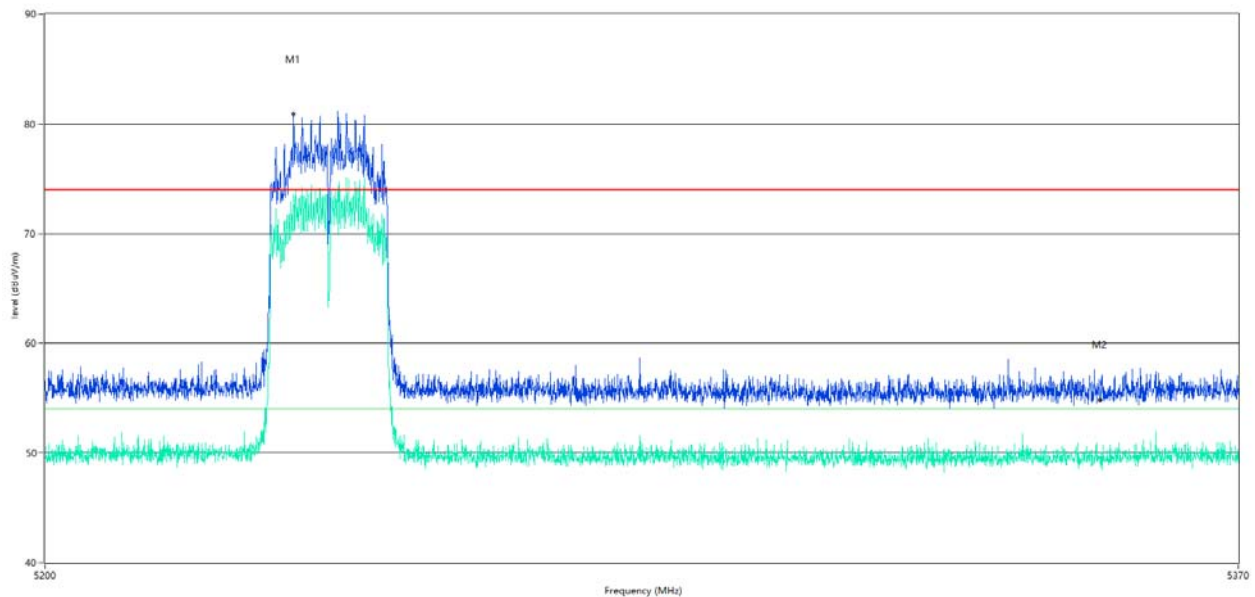
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5150.000	55.15	--	48.2	44.02	74.0	--	54.0	5.80	112.65	100	Horizontal	Pass
5178.680	78.68	--	71.0	43.84	74.0	--	54.0	-17.00	120.90	100	Horizontal	N.A

Band I 11a CH48 ANT V



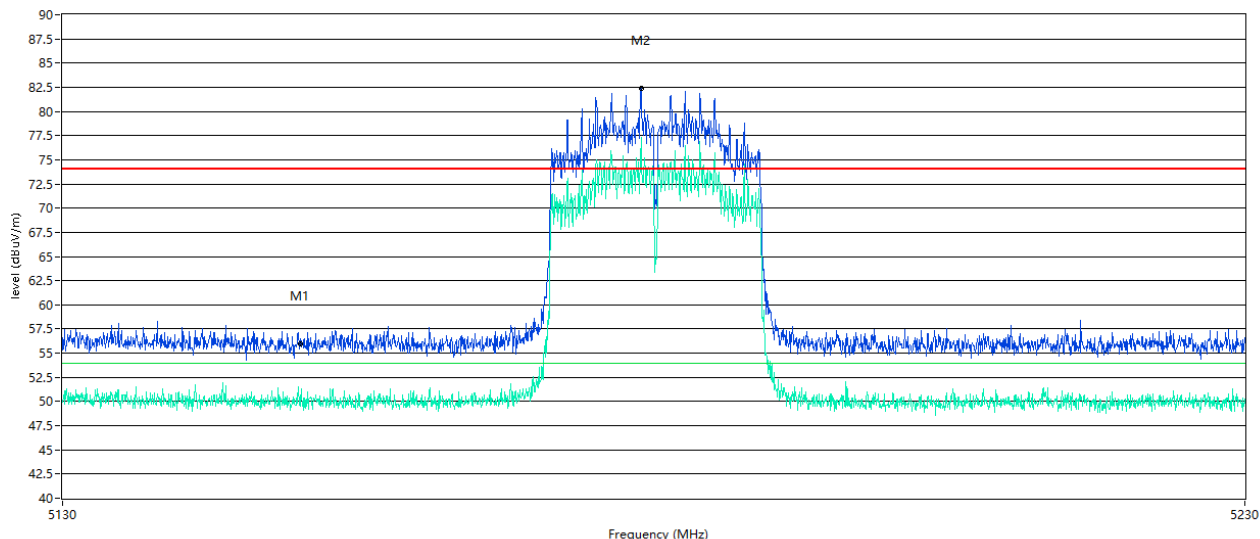
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5234.941	86.67	--	79.5	43.87	74.0	--	54.0	-25.50	89.20	100	Vertical	N.A
5350.000	55.80	--	49.6	43.88	74.0	--	54.0	4.40	150.05	100	Vertical	Pass

Band I 11a CH48 ANT H



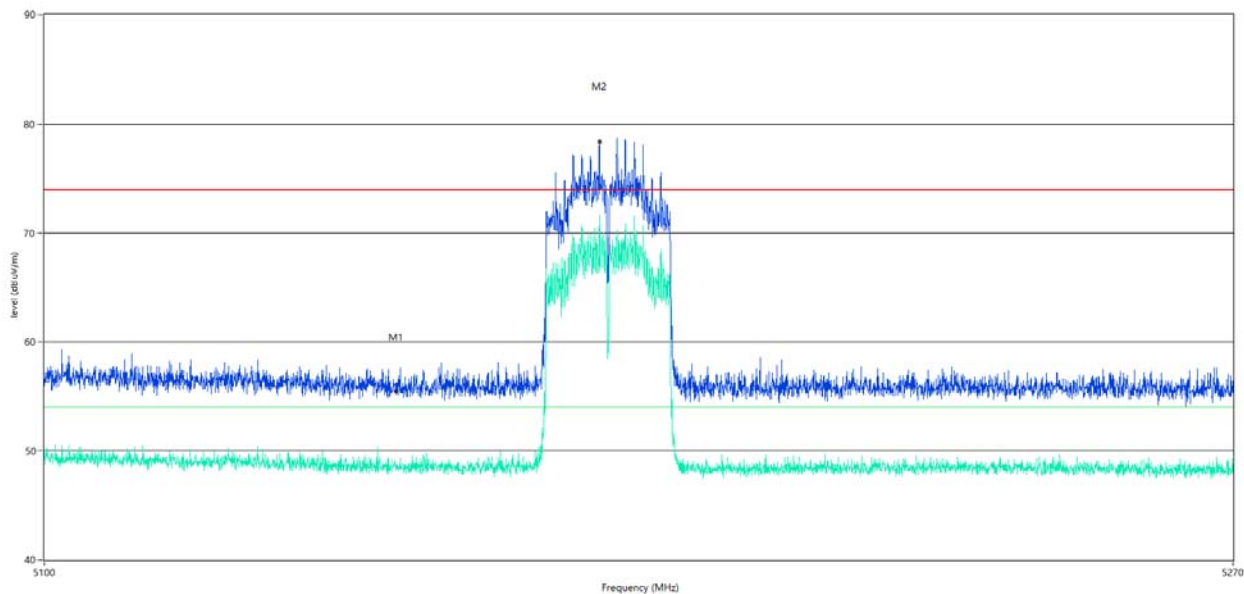
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5241.190	81.10	--	72.9	43.80	74.0	--	54.0	-18.90	125.00	100	Horizontal	N.A
5350.000	54.81	--	49.5	43.88	74.0	--	54.0	4.50	337.73	100	Horizontal	Pass

Band I 11n(HT20) CH36 ANT V



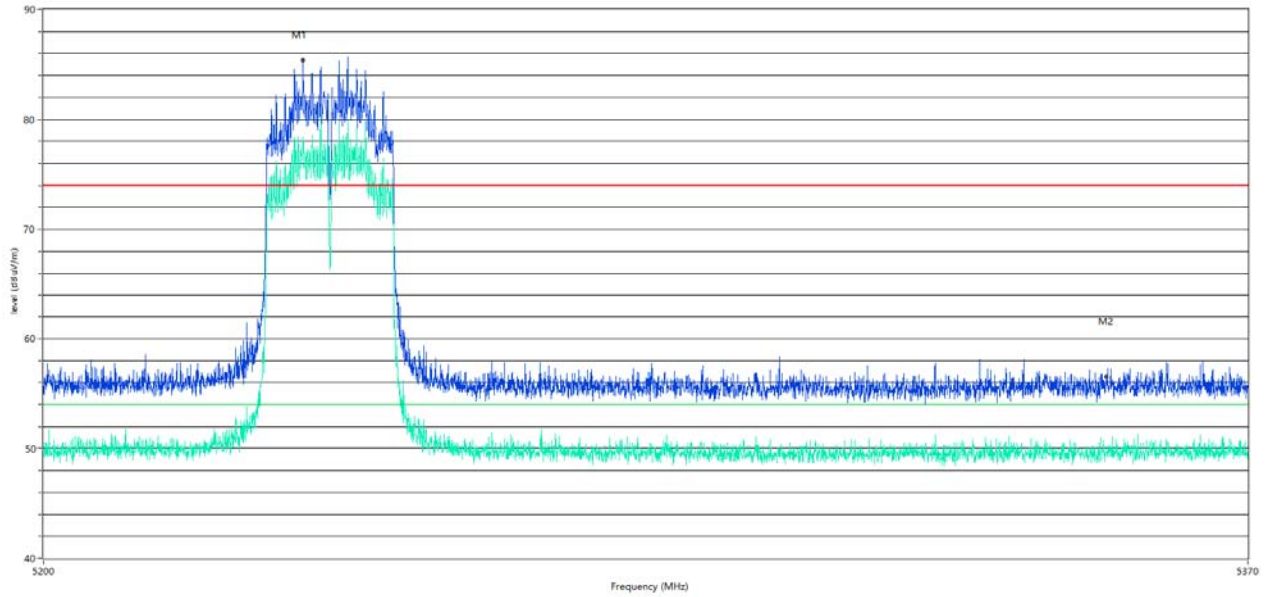
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5150.000	55.91	--	50.4	44.02	74.0	--	54.0	3.60	143.68	100	Vertical	Pass
5178.680	82.36	--	77.3	43.84	74.0	--	54.0	-23.30	90.00	100	Vertical	N.A

Band I 11n(HT20) CH36 ANT H



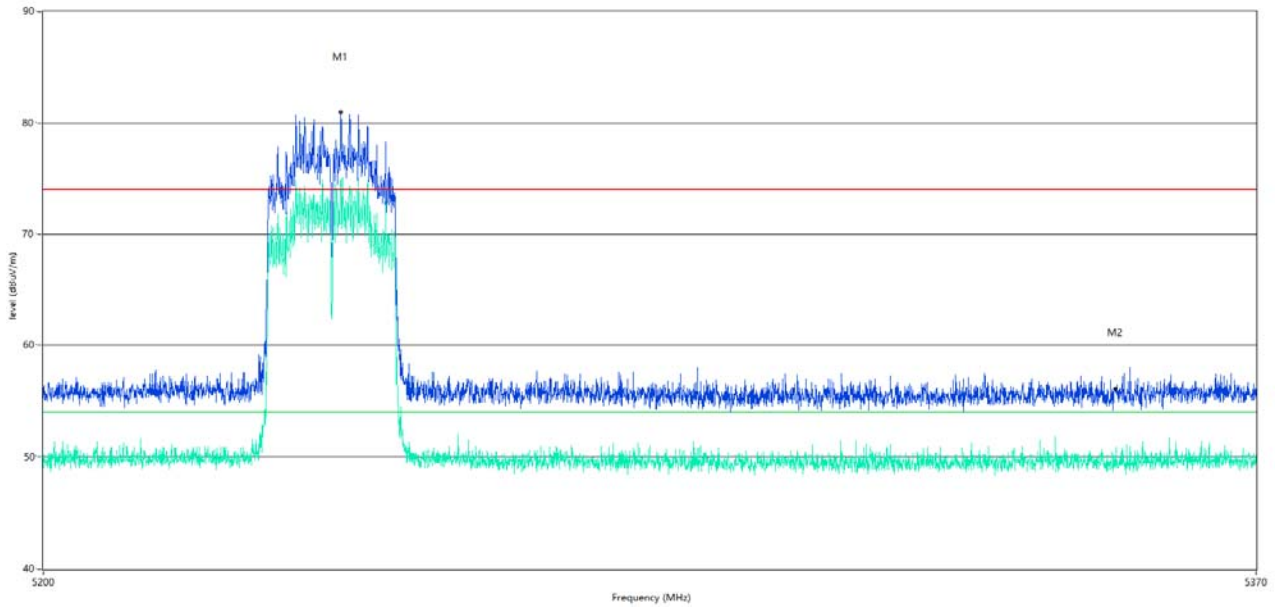
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5150.000	55.37	--	48.5	44.02	74.0	--	54.0	5.50	177.90	100	Horizontal	Pass
5178.680	78.39	--	71.7	43.84	74.0	--	54.0	-17.70	125.00	100	Horizontal	N.A

Band I 11n(HT20) CH48 ANT V



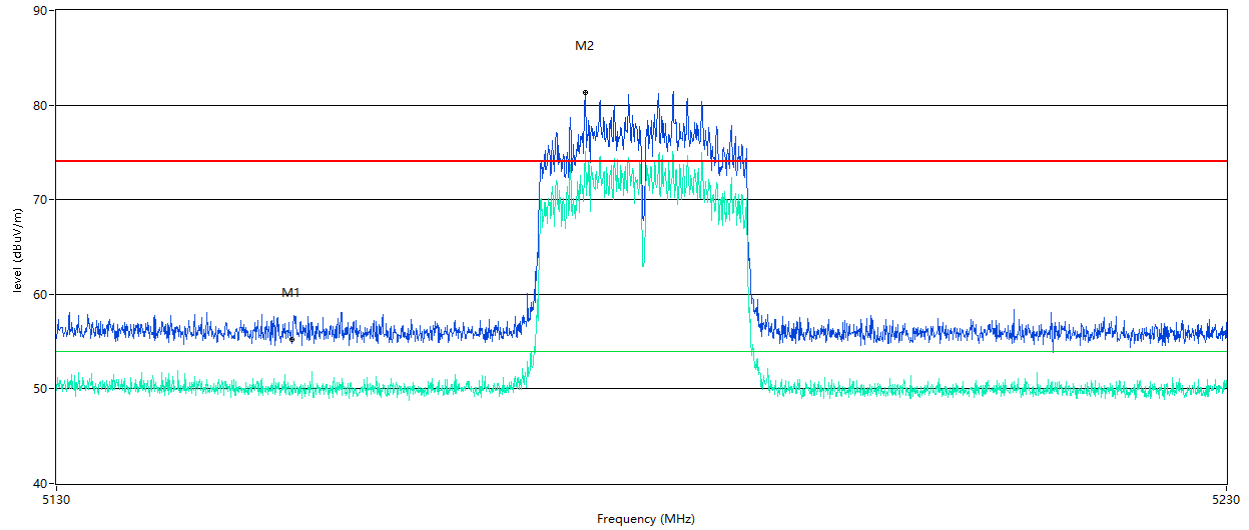
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5236.191	85.42	--	78.4	43.85	74.0	--	54.0	-24.40	89.00	100	Vertical	N.A
5350.000	56.48	--	50.3	43.88	74.0	--	54.0	3.70	306.77	100	Vertical	Pass

Band I 11n(HT20) CH48 ANT H



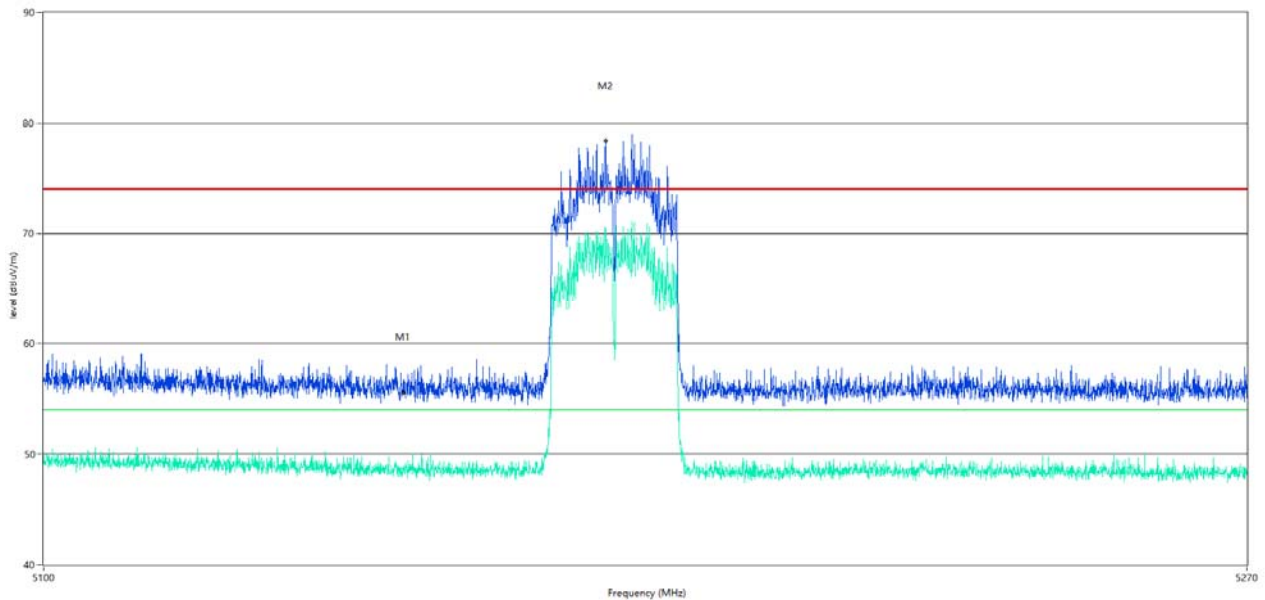
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5241.190	80.95	--	74.6	43.80	74.0	--	54.0	-20.60	121.10	100	Horizontal	N.A
5350.000	56.04	--	49.4	43.88	74.0	--	54.0	4.60	195.53	100	Horizontal	Pass

Band I 11ac(HT20) CH36 ANT V



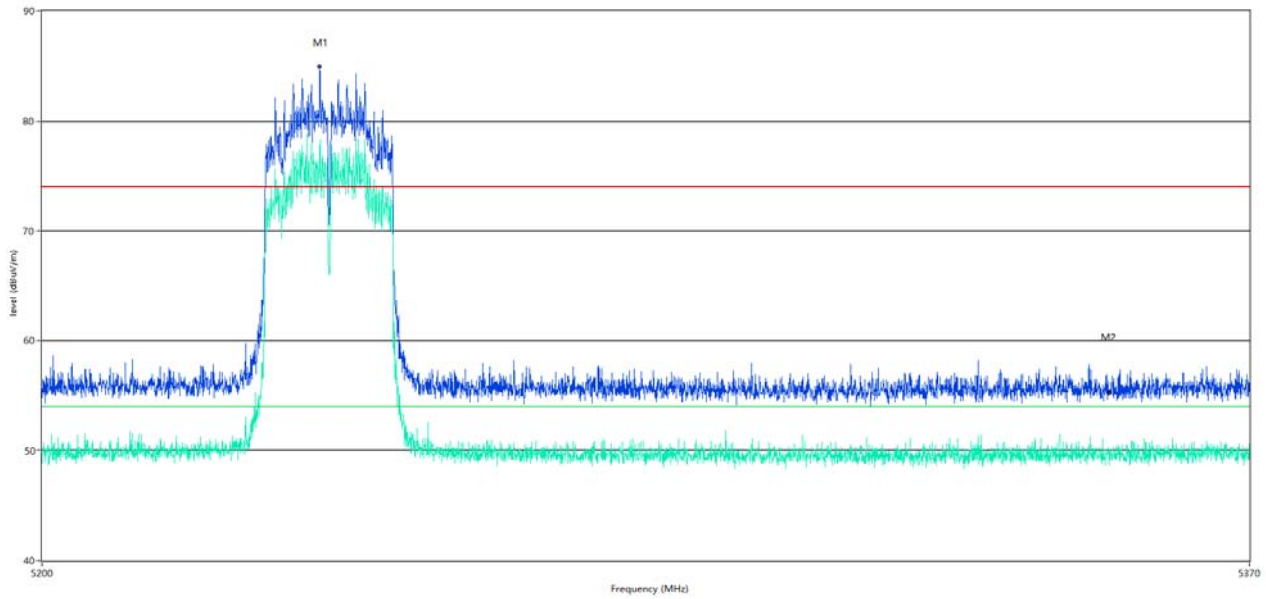
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5150.000	55.34	--	49.4	44.02	74.0	--	54.0	4.60	114.33	100	Vertical	Pass
5174.931	81.34	--	75.1	43.87	74.0	--	54.0	-21.10	90.90	100	Vertical	N.A

Band I 11ac(HT20) CH36 ANT H



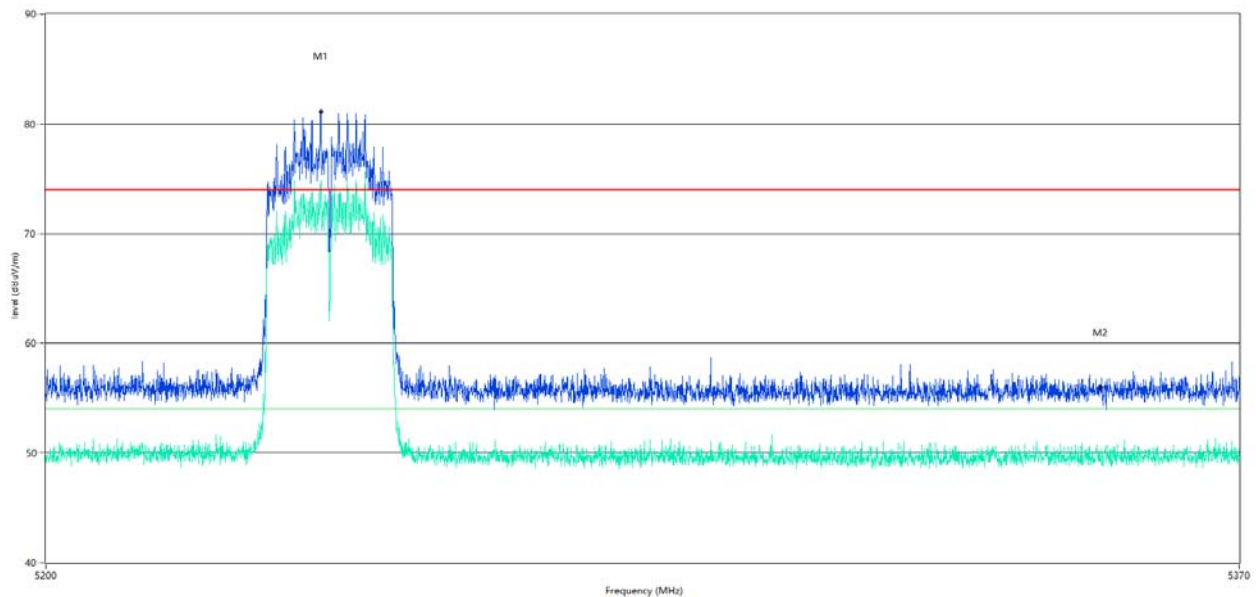
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5150.000	55.61	--	48.3	44.02	74.0	--	54.0	5.70	289.90	100	Horizontal	Pass
5178.680	78.41	--	70.4	43.84	74.0	--	54.0	-16.40	120.80	100	Horizontal	N.A

Band I 11ac(HT20) CH48 ANT V



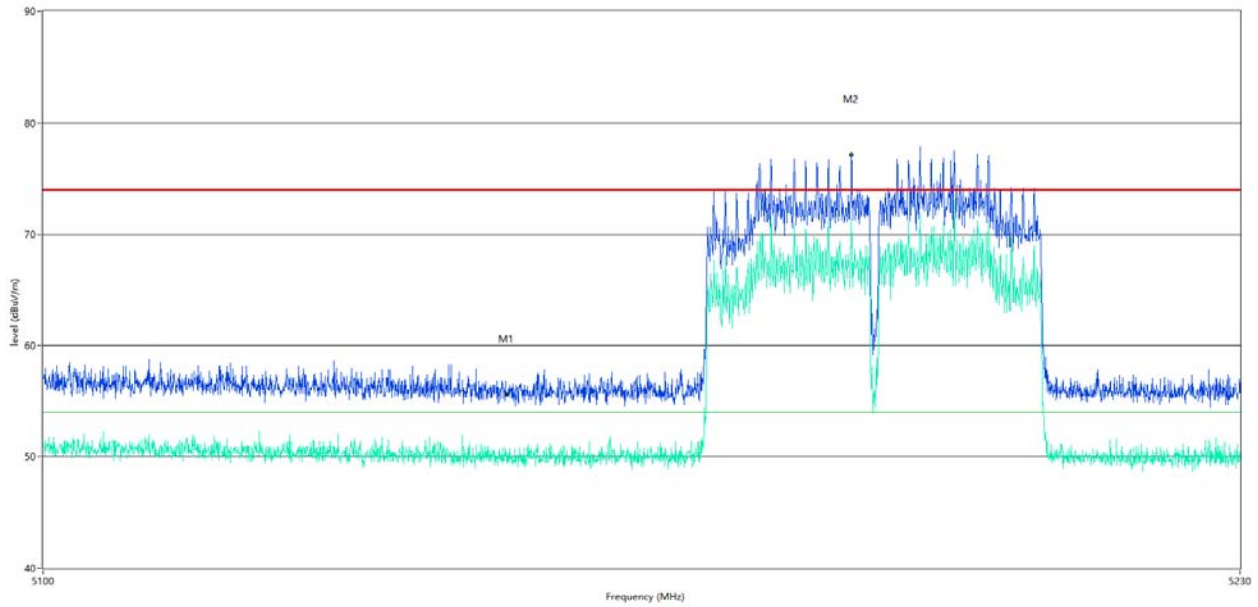
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5238.640	84.95	--	77.3	43.83	74.0	--	54.0	-23.30	91.40	100	Vertical	N.A
5350.000	55.25	--	49.0	43.88	74.0	--	54.0	5.00	109.95	100	Vertical	Pass

Band I 11ac(HT20) CH48 ANT H



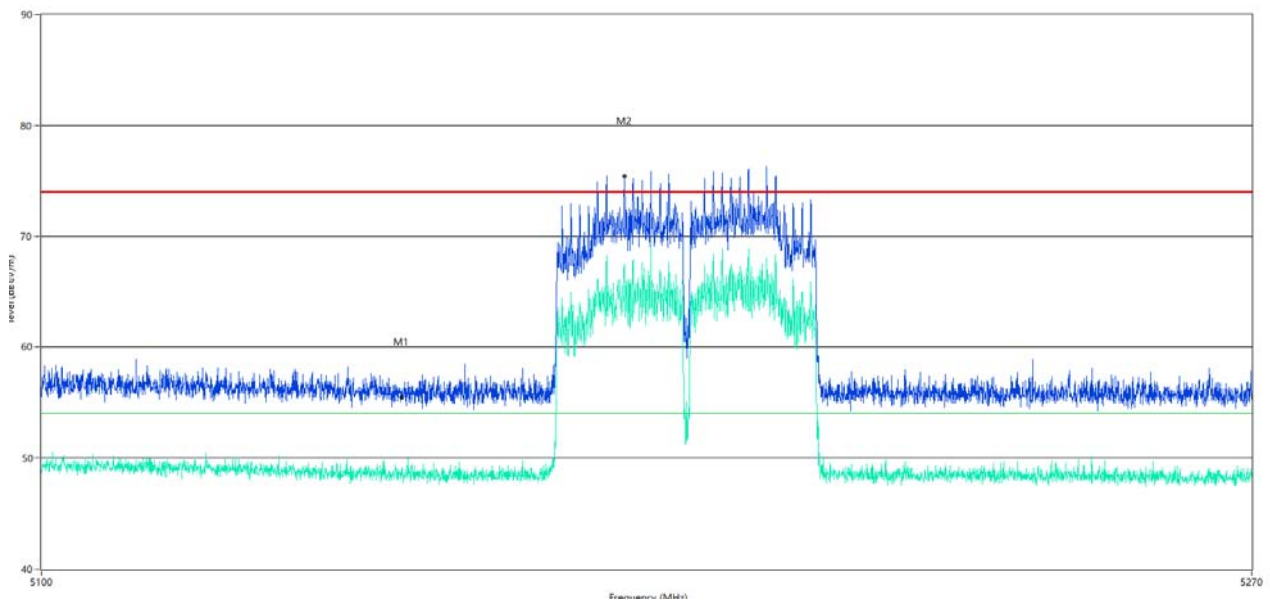
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5238.690	81.16	--	74.9	43.83	74.0	--	54.0	-20.90	136.40	100	Horizontal	N.A
5350.000	55.80	--	49.2	43.88	74.0	--	54.0	4.80	204.32	100	Horizontal	Pass

Band I 11n(HT40) CH38 ANT V



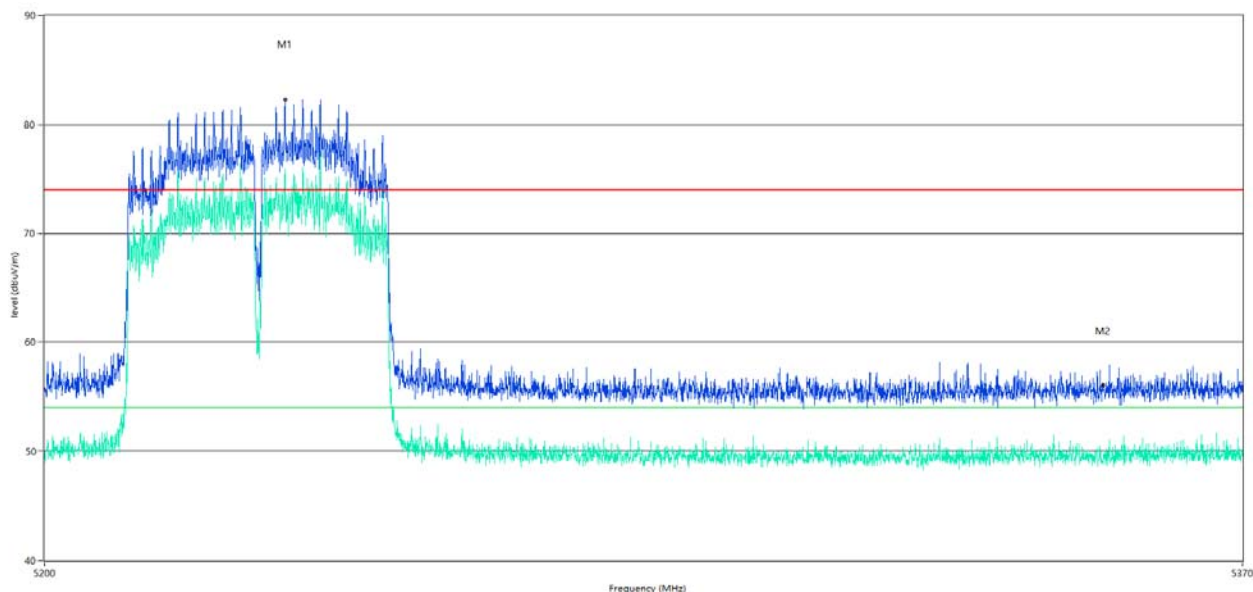
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5150.000	55.51	--	49.5	44.02	74.0	--	54.0	4.50	359.05	100	Vertical	Pass
5187.428	77.16	--	71.4	43.79	74.0	--	54.0	-17.40	85.30	100	Vertical	N.A

Band I 11n(HT40) CH38 ANT H



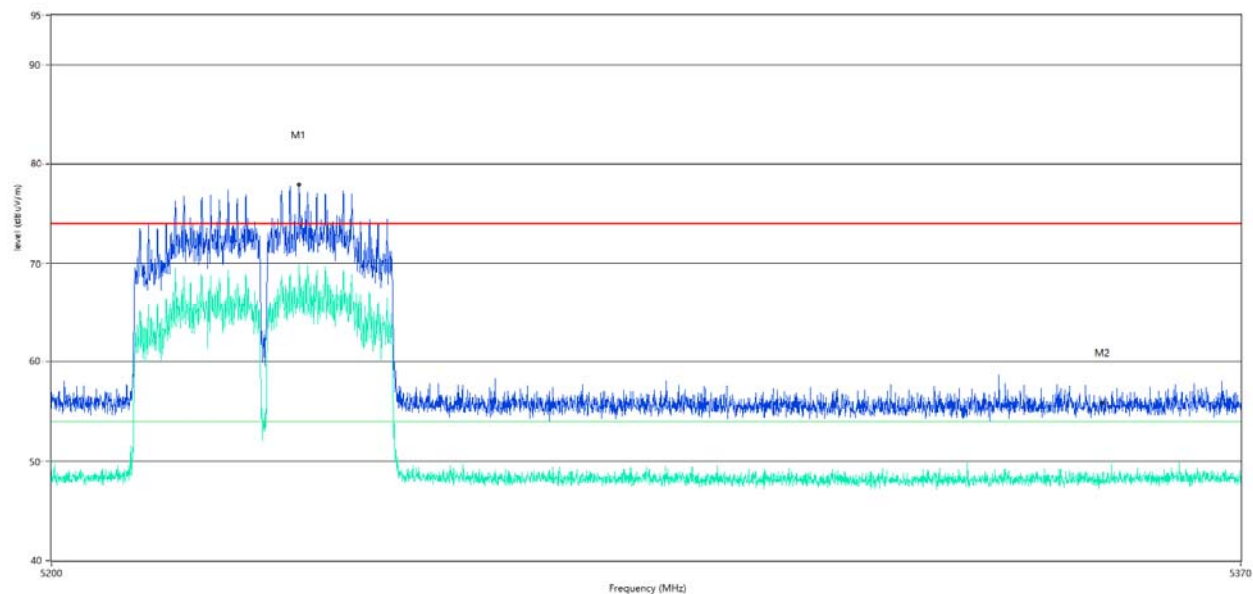
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5150.000	55.52	--	48.6	44.02	74.0	--	54.0	5.40	48.60	100	Horizontal	Pass
5181.180	75.40	--	67.5	43.83	74.0	--	54.0	-13.50	125.70	100	Horizontal	N.A

Band I 11n(HT40) CH46 ANT V



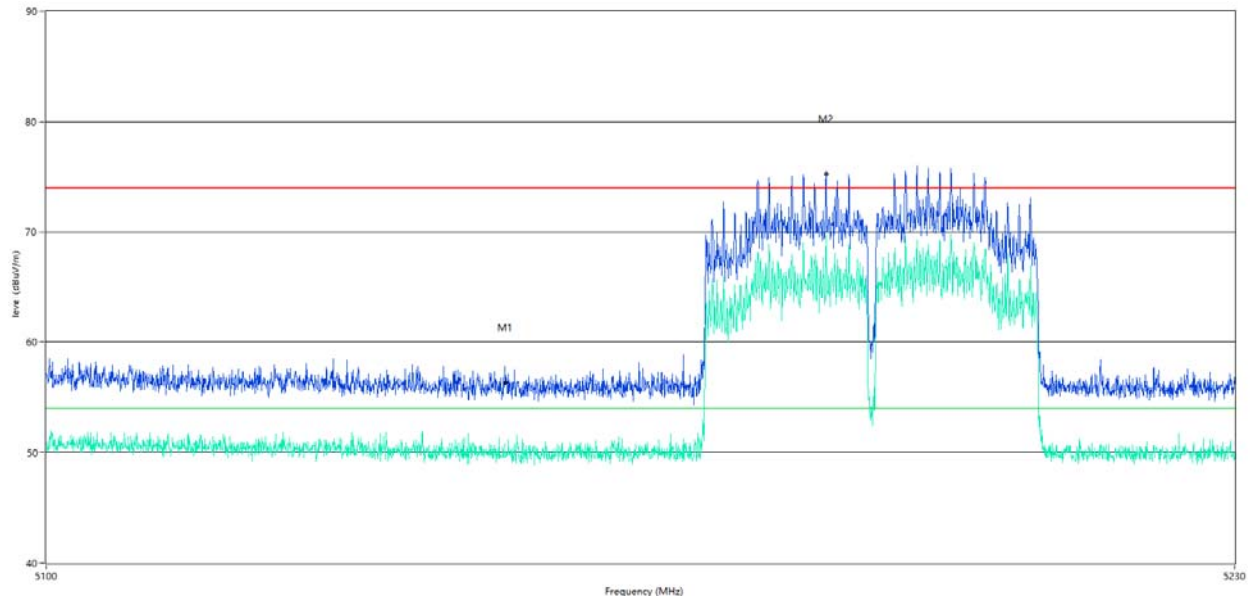
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5233.692	82.29	--	75.9	43.88	74.0	--	54.0	-21.90	88.70	100	Vertical	N.A
5350.000	55.93	--	49.7	43.88	74.0	--	54.0	4.30	140.00	100	Vertical	Pass

Band I 11n(HT40) CH46 ANT H



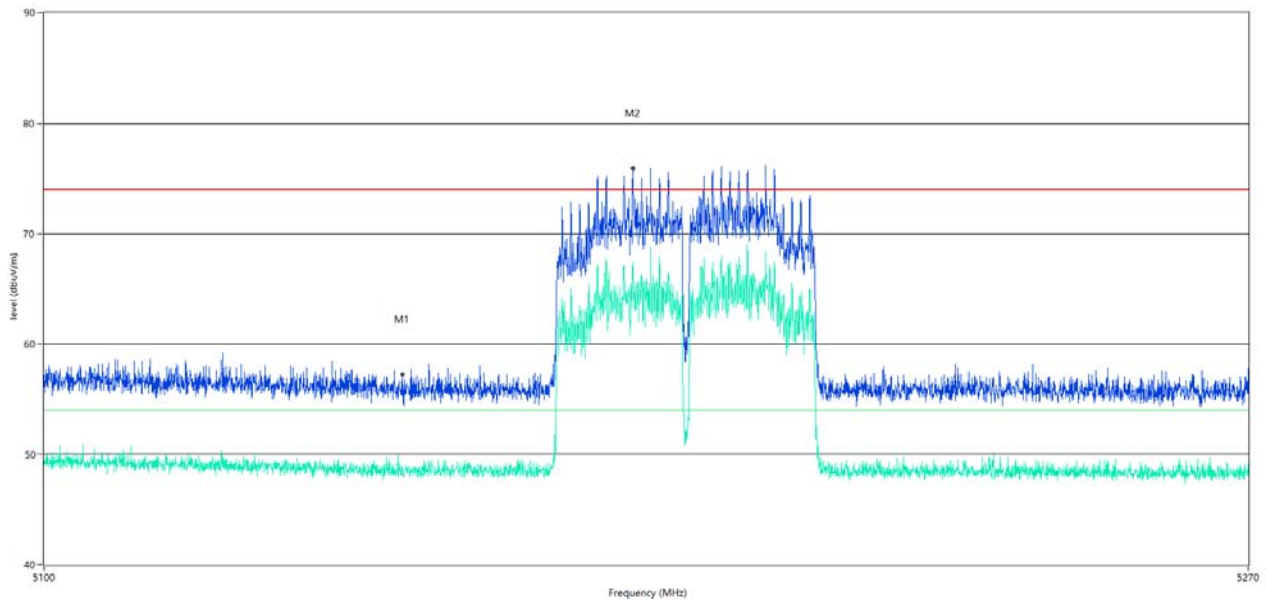
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5233.692	78.25	--	70.6	43.88	74.0	--	54.0	-16.60	123.80	100	Horizontal	N.A
5350.000	56.48	--	48.1	43.88	74.0	--	54.0	5.90	80.40	100	Horizontal	Pass

Band I 11ac(HT40) CH38 ANT V



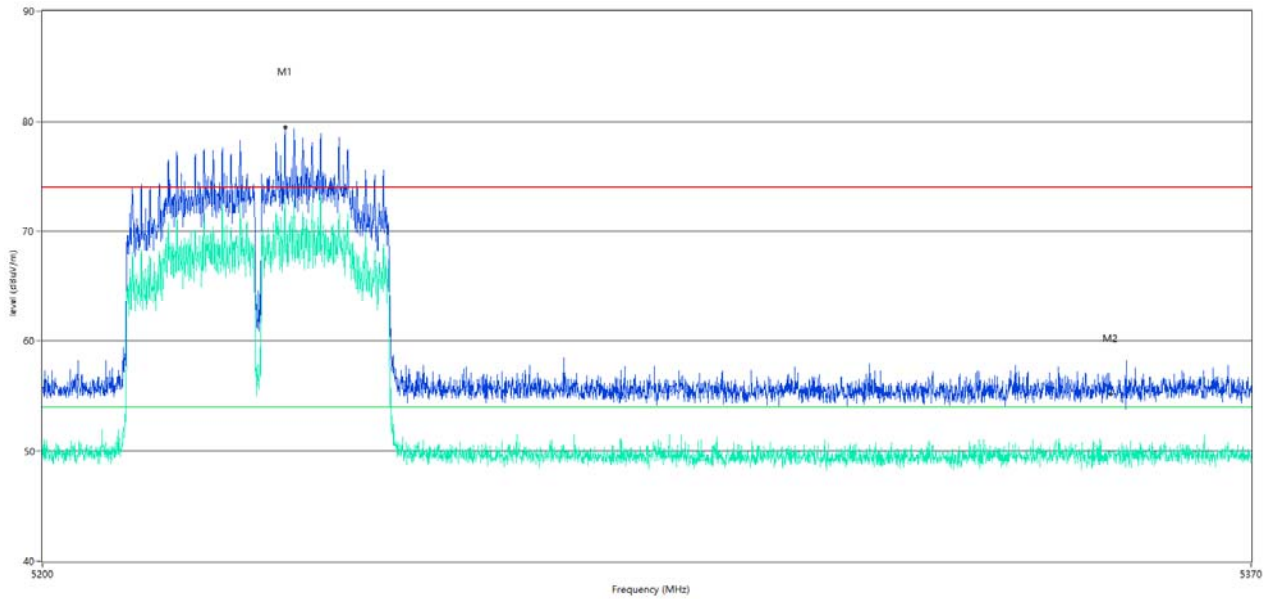
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5150.000	56.35	--	50.0	44.02	74.0	--	54.0	4.00	255.25	100	Vertical	Pass
5184.929	75.26	--	69.7	43.81	74.0	--	54.0	-15.70	32.10	100	Vertical	N.A

Band I 11ac(HT40) CH38 ANT H



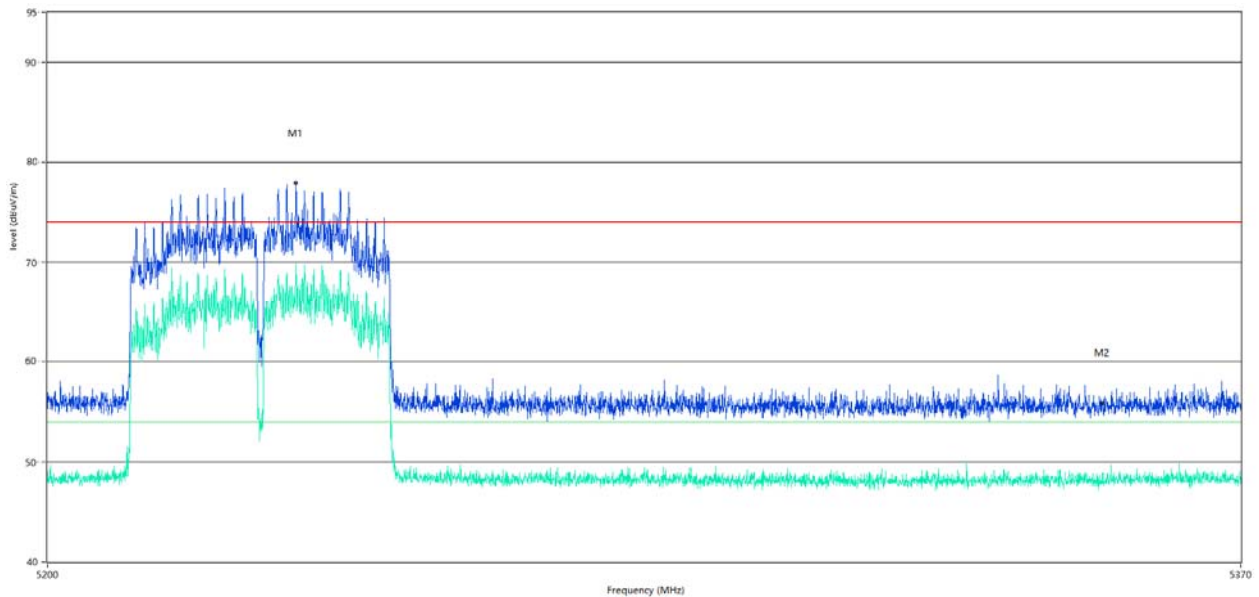
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5150.000	56.93	--	48.7	44.02	74.0	--	54.0	5.30	249.15	100	Horizontal	Pass
5182.429	75.94	--	67.5	43.82	74.0	--	54.0	-13.50	120.10	100	Horizontal	N.A

Band I 11ac(HT40) CH46 ANT V



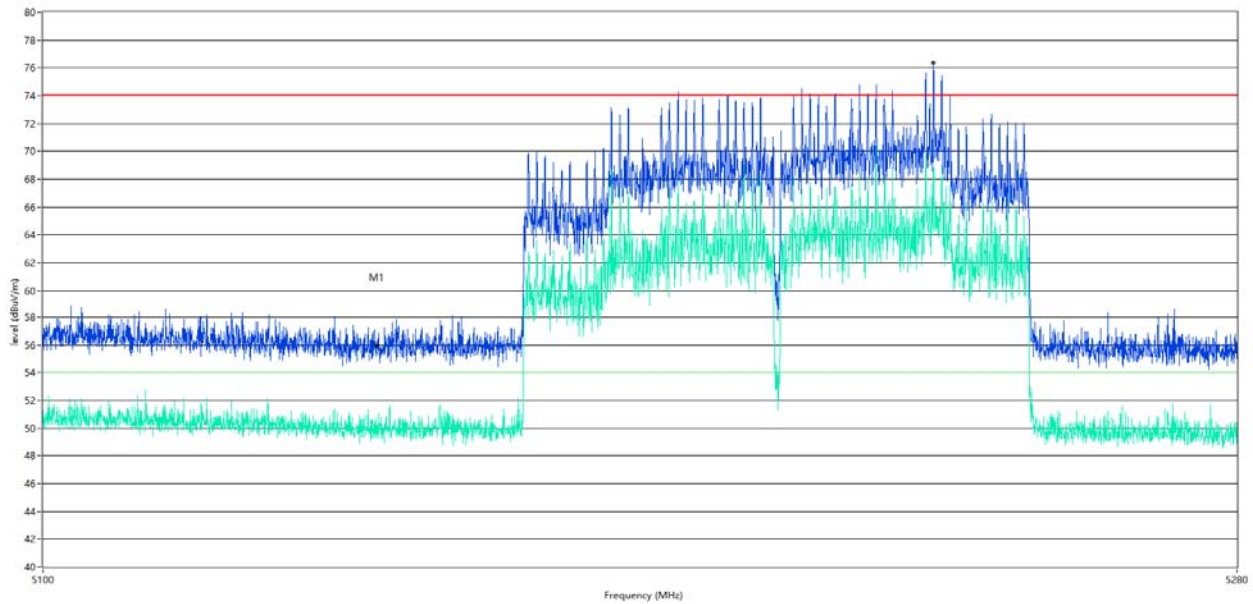
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5233.692	79.48	--	73.1	43.88	74.0	--	54.0	-19.10	86.70	100	Vertical	N.A
5350.000	55.25	--	49.5	43.88	74.0	--	54.0	4.50	143.68	100	Vertical	Pass

Band I 11ac(HT40) CH46 ANT H



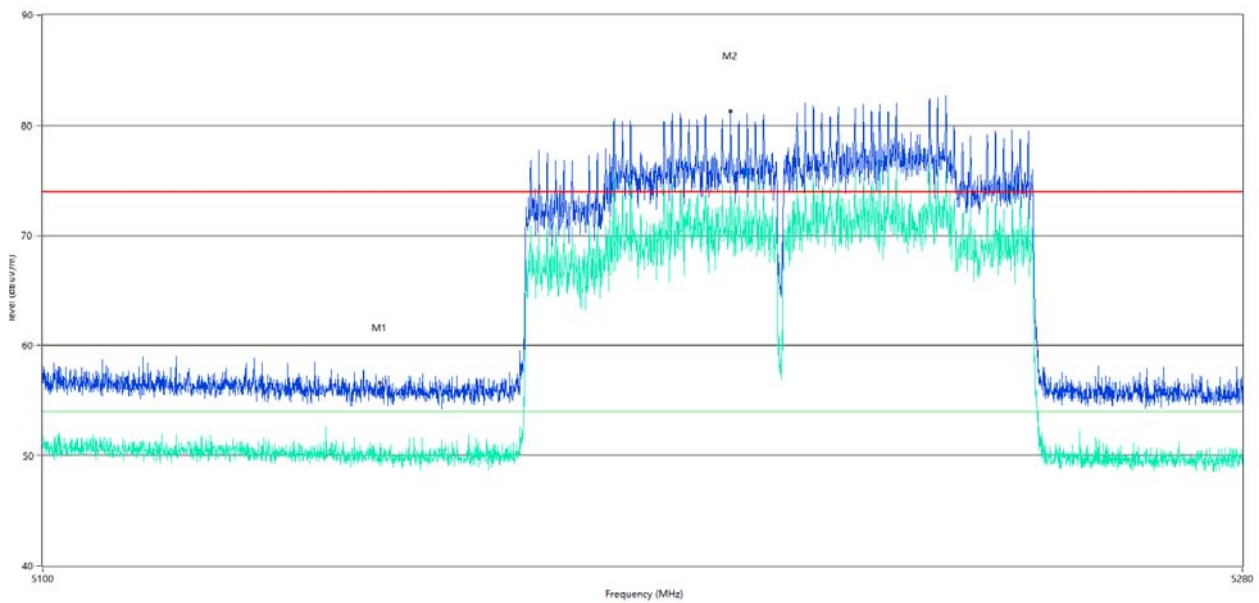
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5234.941	77.91	--	69.9	43.87	74.0	--	54.0	-15.90	125.00	100	Horizontal	N.A
5350.000	55.88	--	48.6	43.88	74.0	--	54.0	5.40	128.15	100	Horizontal	Pass

Band I 11ac(HT80) CH42 ANT V



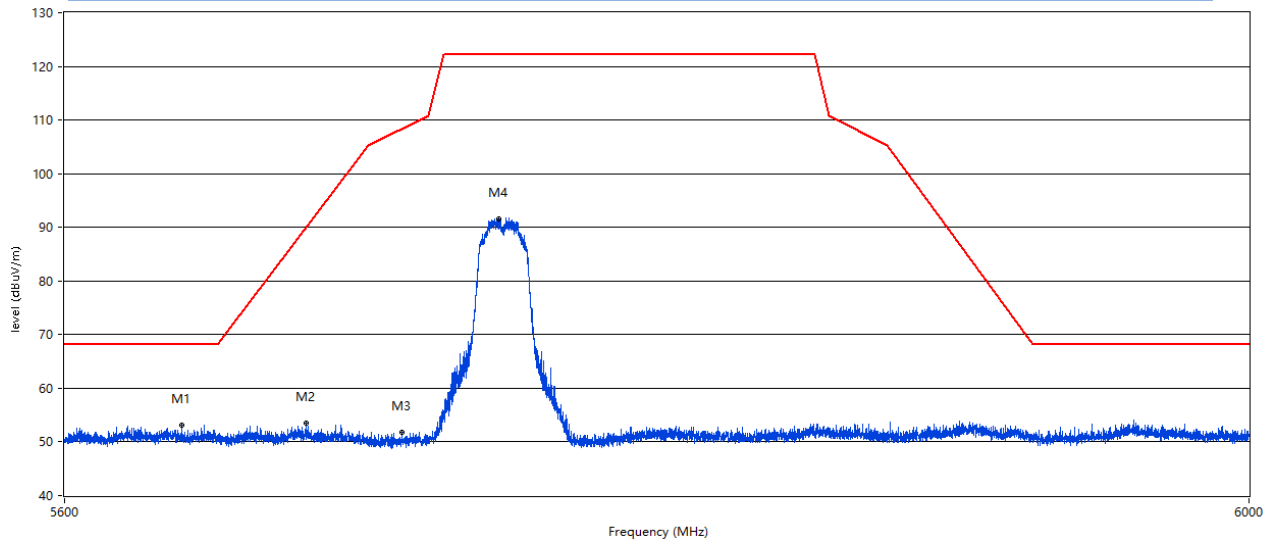
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5150.000	55.93	--	50.9	44.02	74.0	--	54.0	3.10	285.25	100	Vertical	Pass
5233.667	76.35	--	68.7	43.88	74.0	--	54.0	-14.70	90.60	100	Vertical	N.A

Band I 11ac(HT80) CH42 ANT H



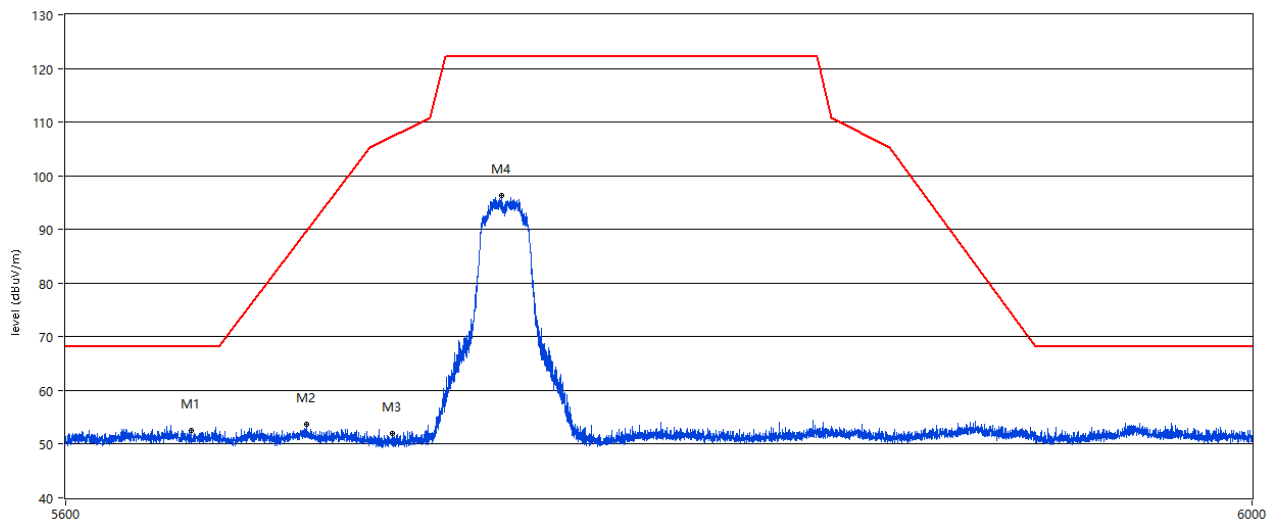
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5150.000	56.44	--	50.6	44.02	74.0	--	54.0	3.40	53.12	100	Horizontal	Pass
5202.424	81.28	--	74.5	43.79	74.0	--	54.0	-20.50	125.50	100	Horizontal	N.A

Band IV 11a CH149 ANT V



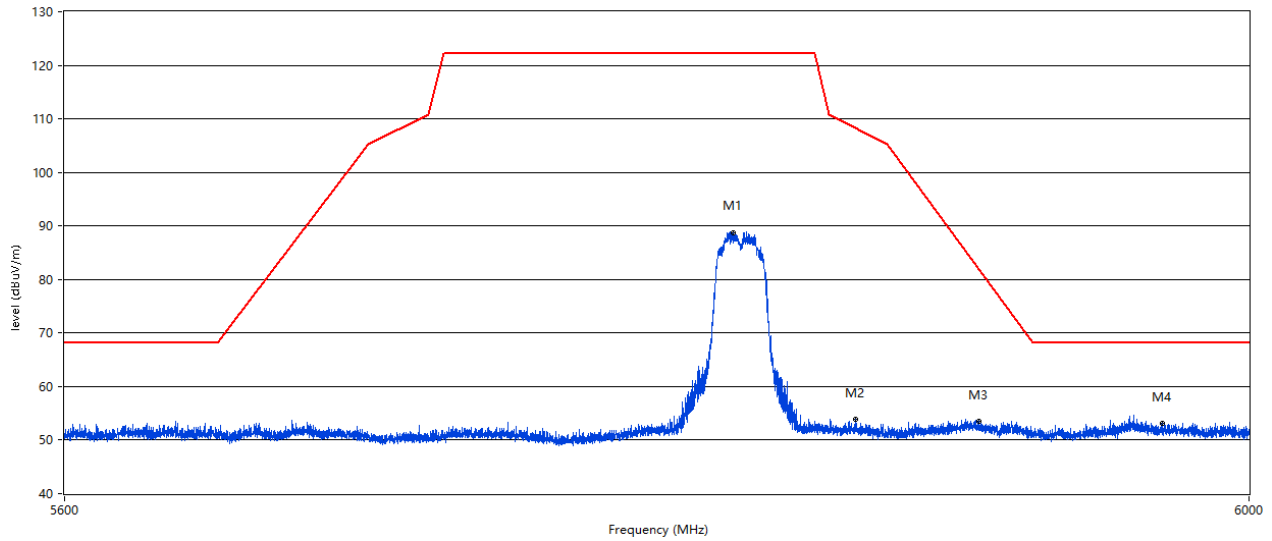
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5638.345	53.09	--	--	2.33	68.2	--	--	15.11	136.80	100	Vertical	Pass
5679.440	53.43	--	--	2.77	90.0	--	--	36.57	71.90	100	Vertical	Pass
5711.236	51.73	--	--	1.56	108.3	--	--	56.57	18.50	100	Vertical	Pass
5743.332	91.57	--	--	1.94	122.2	--	--	30.63	87.20	100	Vertical	Pass

Band IV 11a CH149 ANT H



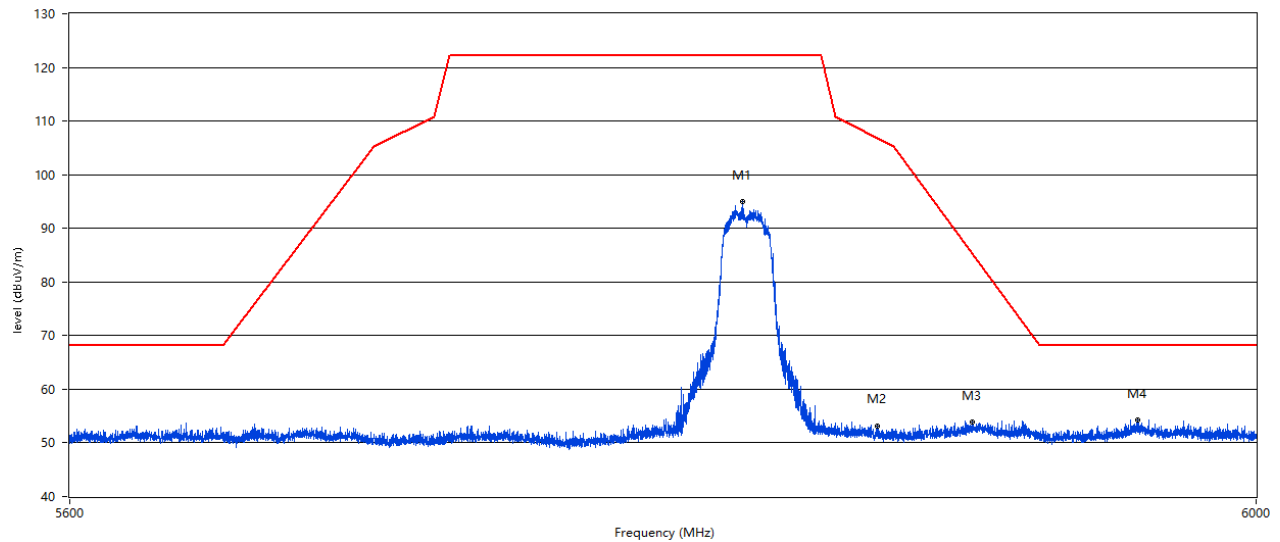
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5640.995	52.54	--	--	2.16	68.2	--	--	15.66	291.10	100	Horizontal	Pass
5679.090	53.64	--	--	2.78	89.8	--	--	36.16	128.00	100	Horizontal	Pass
5707.537	51.99	--	--	1.43	107.3	--	--	55.31	35.10	100	Horizontal	Pass
5743.632	96.27	--	--	1.94	122.2	--	--	25.93	120.40	100	Horizontal	Pass

Band IV 11a CH165 ANT V



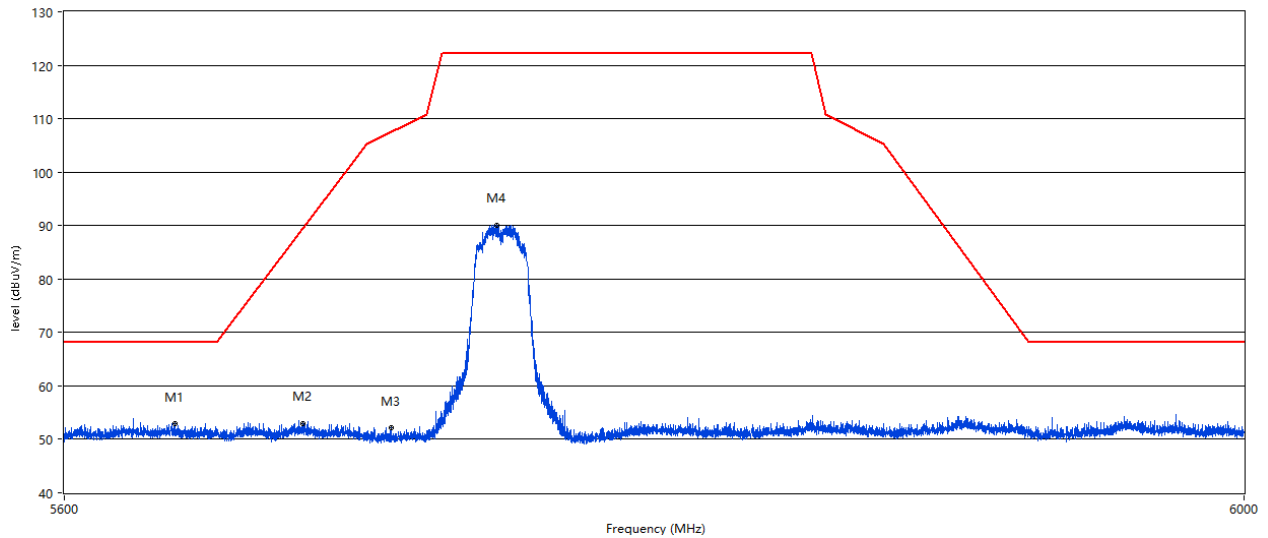
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5822.572	88.67	--	--	2.53	122.2	--	--	33.53	82.60	100	Vertical	Pass
5863.967	53.85	--	--	3.06	108.3	--	--	54.45	67.20	100	Vertical	Pass
5906.162	53.45	--	--	3.55	82.1	--	--	28.65	170.00	100	Vertical	Pass
5969.704	53.05	--	--	3.58	68.2	--	--	15.15	359.40	100	Vertical	Pass

Band IV 11a CH165 ANT H



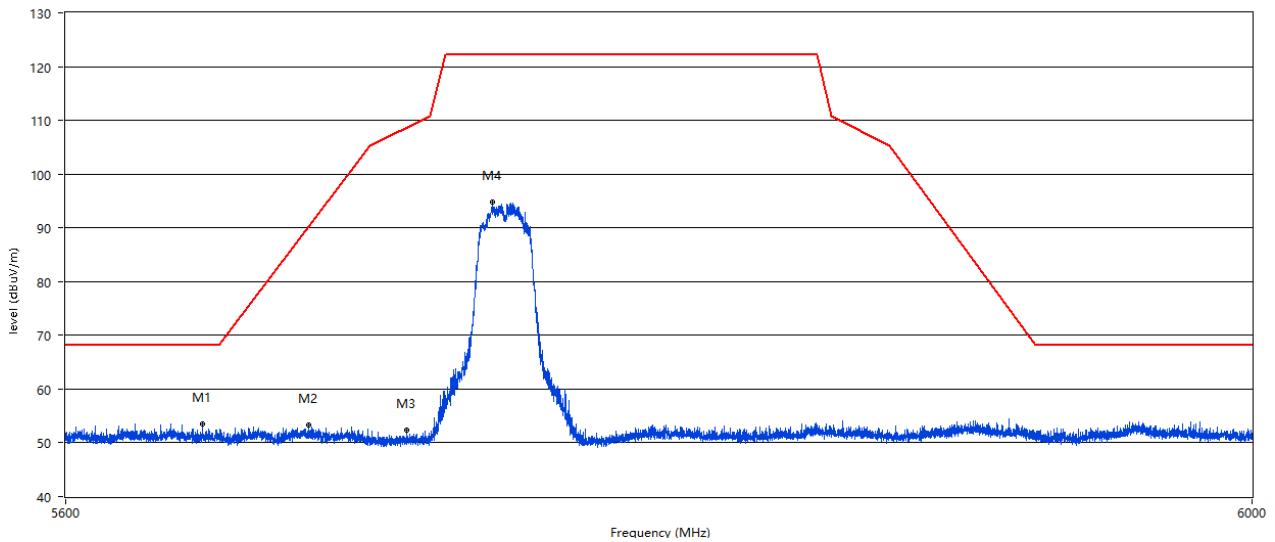
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5823.522	94.91	--	--	2.46	122.2	--	--	27.29	136.90	100	Horizontal	Pass
5869.366	53.20	--	--	2.60	106.8	--	--	53.60	186.50	100	Horizontal	Pass
5901.862	53.85	--	--	3.49	85.3	--	--	31.45	236.40	100	Horizontal	Pass
5958.955	54.22	--	--	4.05	68.2	--	--	13.98	347.40	100	Horizontal	Pass

Band IV 11n(HT20) CH149 ANT V



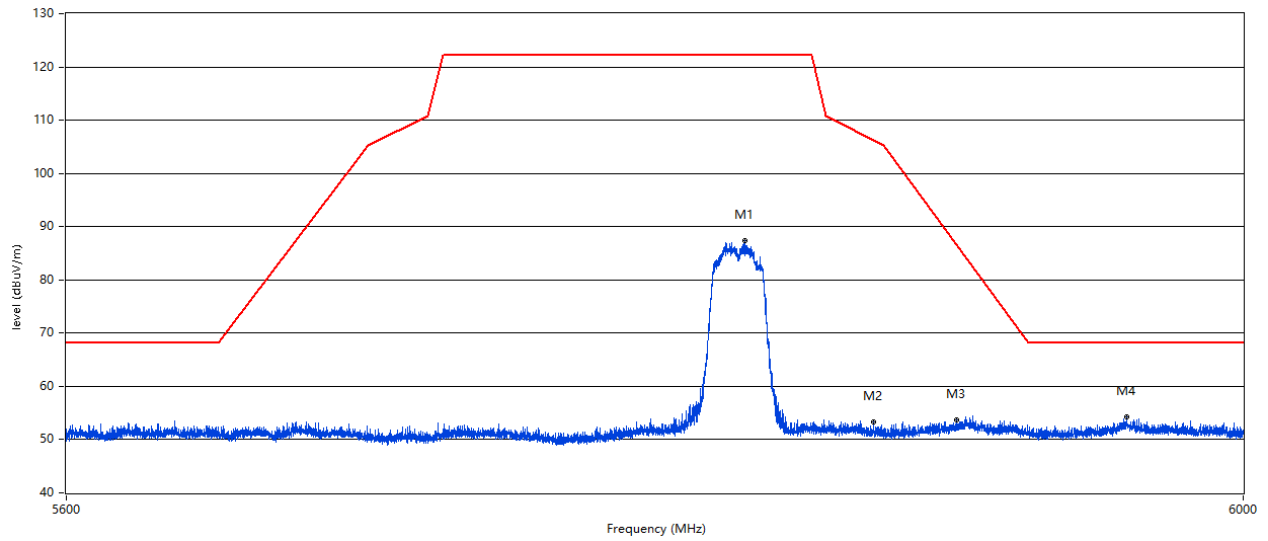
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5636.445	52.89	--	--	2.61	68.2	--	--	15.31	242.80	100	Vertical	Pass
5678.740	52.88	--	--	2.77	89.5	--	--	36.62	335.20	100	Vertical	Pass
5707.987	52.21	--	--	1.44	107.4	--	--	55.19	289.20	100	Vertical	Pass
5743.332	89.98	--	--	1.94	122.2	--	--	32.22	89.80	100	Vertical	Pass

Band IV 11n(HT20) CH149 ANT H



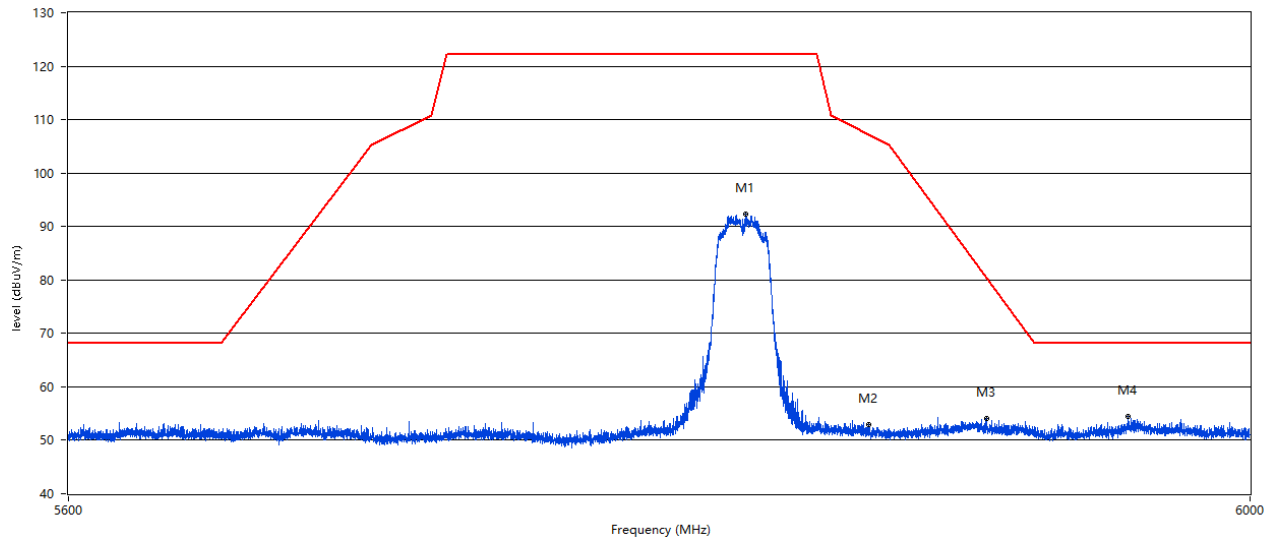
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5644.644	53.50	--	--	2.15	68.2	--	--	14.70	139.80	100	Horizontal	Pass
5679.740	53.26	--	--	2.72	90.2	--	--	36.94	197.40	100	Horizontal	Pass
5712.186	52.36	--	--	1.59	108.6	--	--	56.24	34.10	100	Horizontal	Pass
5740.582	94.75	--	--	1.89	122.2	--	--	27.45	128.00	100	Horizontal	Pass

Band IV 11n(HT20) CH165 ANT V



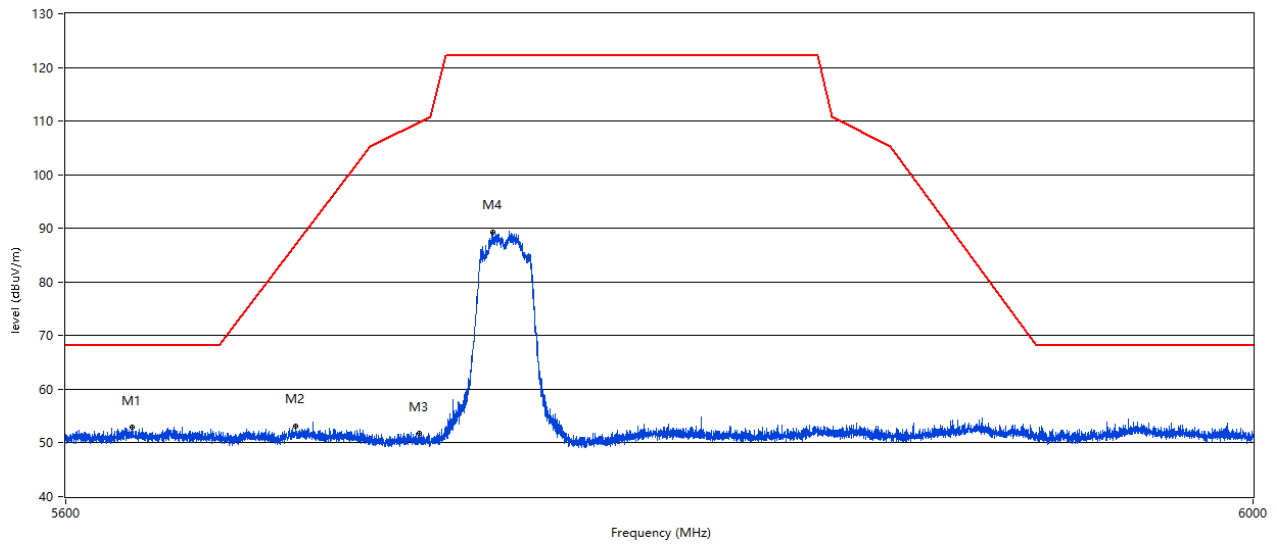
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5827.222	87.29	--	--	2.42	122.2	--	--	34.91	210.70	100	Vertical	Pass
5871.316	53.25	--	--	2.49	106.2	--	--	52.95	88.90	100	Vertical	Pass
5900.012	53.69	--	--	3.26	86.7	--	--	33.01	111.90	100	Vertical	Pass
5959.255	54.27	--	--	4.06	68.2	--	--	13.93	360.00	100	Vertical	Pass

Band IV 11n(HT20) CH165 ANT H



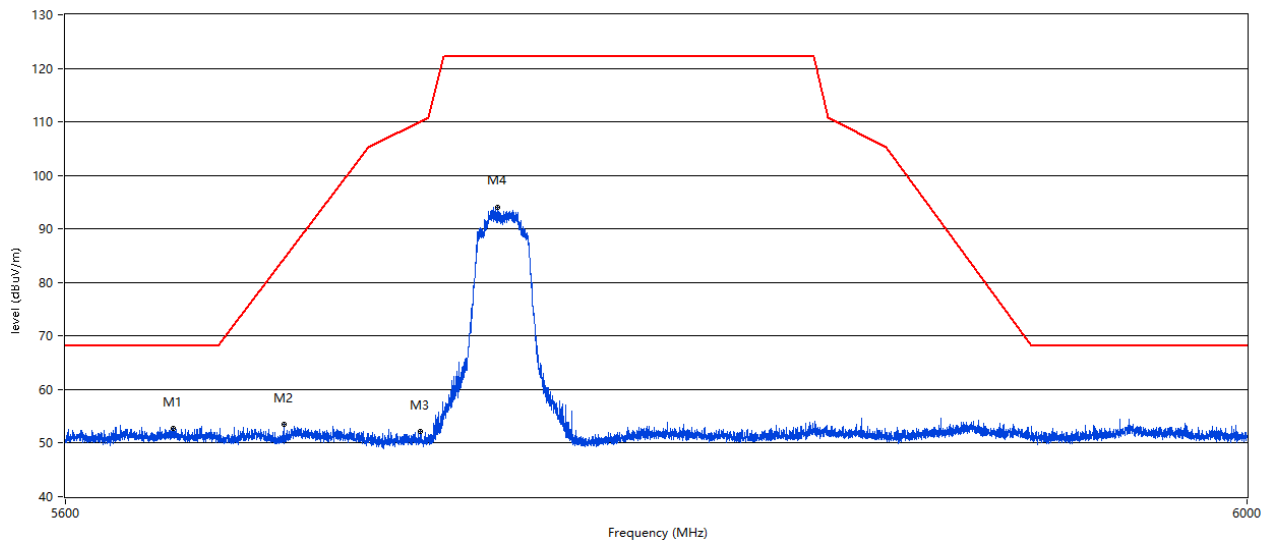
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5825.922	92.26	--	--	2.42	122.2	--	--	29.94	121.80	100	Horizontal	Pass
5867.717	52.99	--	--	2.75	107.2	--	--	54.21	121.80	100	Horizontal	Pass
5908.311	54.11	--	--	3.33	80.5	--	--	26.39	334.40	100	Horizontal	Pass
5957.505	54.45	--	--	3.76	68.2	--	--	13.75	241.20	100	Horizontal	Pass

Band IV 11ac(HT20) CH149 ANT V



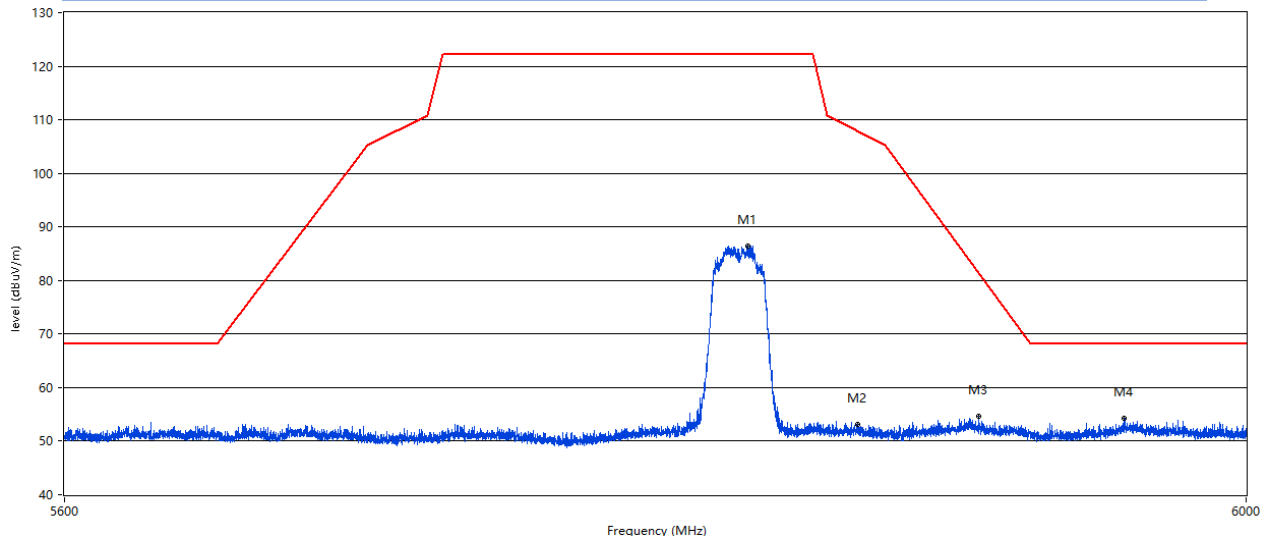
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5621.547	52.87	--	--	3.10	68.2	--	--	15.33	6.90	100	Vertical	Pass
5675.391	53.20	--	--	2.68	87.0	--	--	33.80	202.80	100	Vertical	Pass
5716.085	51.80	--	--	1.56	109.7	--	--	57.90	218.20	100	Vertical	Pass
5740.882	89.24	--	--	1.90	122.2	--	--	32.96	88.20	100	Vertical	Pass

Band IV 11ac(HT20) CH149 ANT H



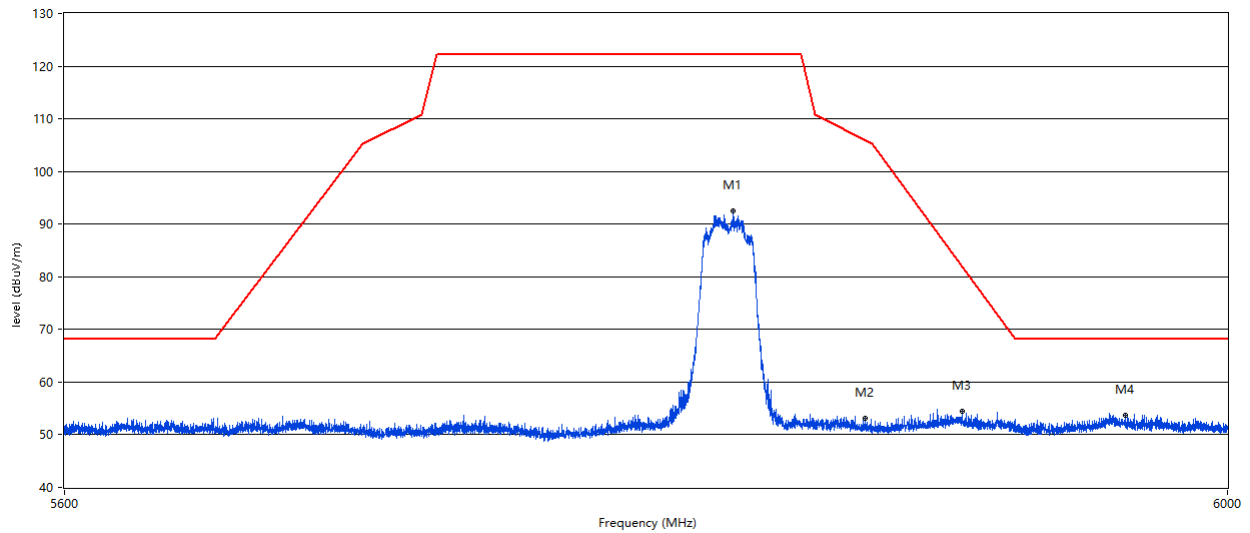
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5635.346	52.72	--	--	2.78	68.2	--	--	15.48	92.40	100	Horizontal	Pass
5672.041	53.42	--	--	2.24	84.6	--	--	31.18	270.60	100	Horizontal	Pass
5717.185	52.15	--	--	1.50	110.0	--	--	57.85	169.80	100	Horizontal	Pass
5743.032	94.13	--	--	1.93	122.2	--	--	28.07	123.30	100	Horizontal	Pass

Band IV 11ac(HT20) CH165 ANT V



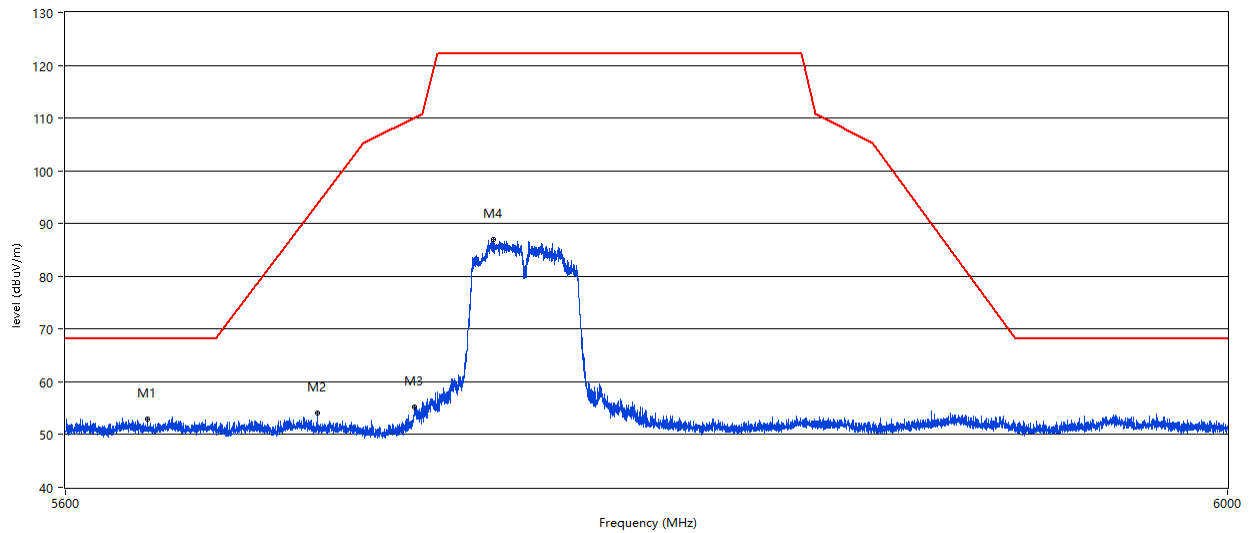
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5827.872	86.40	--	--	2.42	122.2	--	--	35.80	80.60	100	Vertical	Pass
5865.417	53.11	--	--	2.96	107.9	--	--	54.79	107.30	100	Vertical	Pass
5907.012	54.64	--	--	3.46	81.5	--	--	26.86	264.90	100	Vertical	Pass
5957.455	54.21	--	--	3.75	68.2	--	--	13.99	222.40	100	Vertical	Pass

Band IV 11ac(HT20) CH165 ANT H



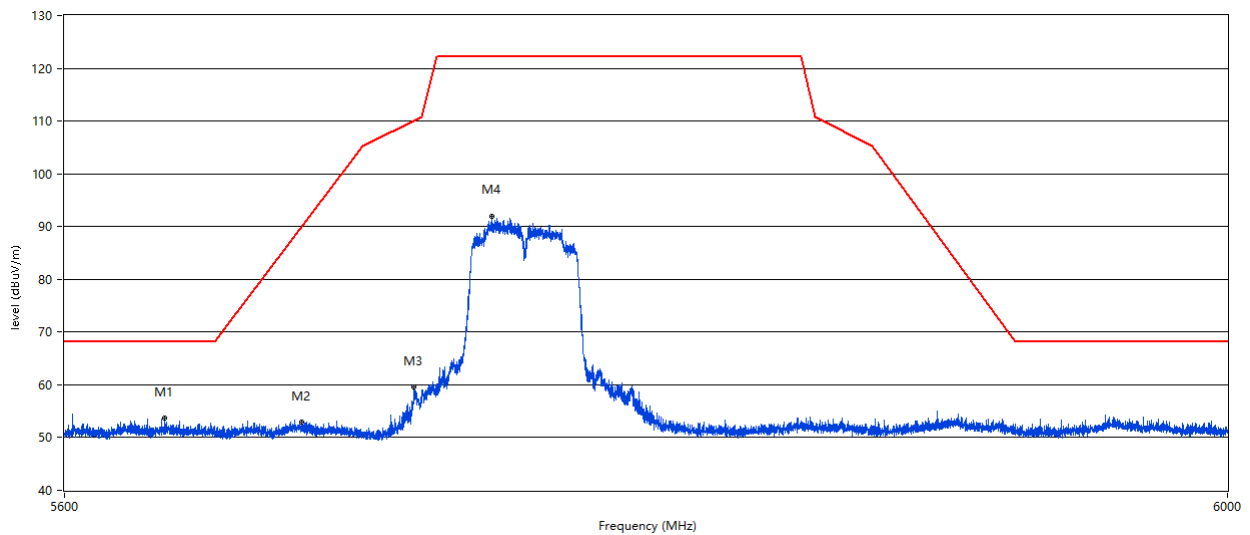
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5826.522	92.55	--	--	2.42	122.2	--	--	29.65	138.60	100	Horizontal	Pass
5872.366	53.08	--	--	2.43	105.9	--	--	52.82	272.30	100	Horizontal	Pass
5906.262	54.43	--	--	3.54	82.0	--	--	27.57	134.60	100	Horizontal	Pass
5963.755	53.75	--	--	3.69	68.2	--	--	14.45	50.10	100	Horizontal	Pass

Band IV 11n(HT40) CH151 ANT V



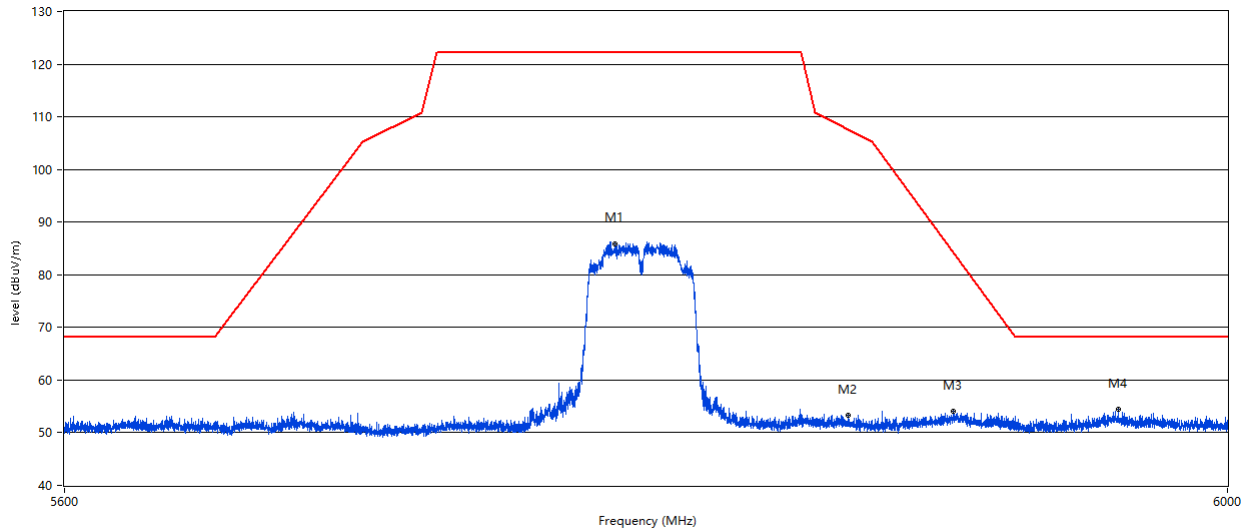
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5627.247	52.95	--	--	2.61	68.2	--	--	15.25	209.20	100	Vertical	Pass
5684.289	54.11	--	--	2.02	93.6	--	--	39.49	350.30	100	Vertical	Pass
5717.135	55.19	--	--	1.50	110.0	--	--	54.81	90.30	100	Vertical	Pass
5744.132	87.03	--	--	1.95	122.2	--	--	35.17	105.90	100	Vertical	Pass

Band IV 11n(HT40) CH151 ANT H



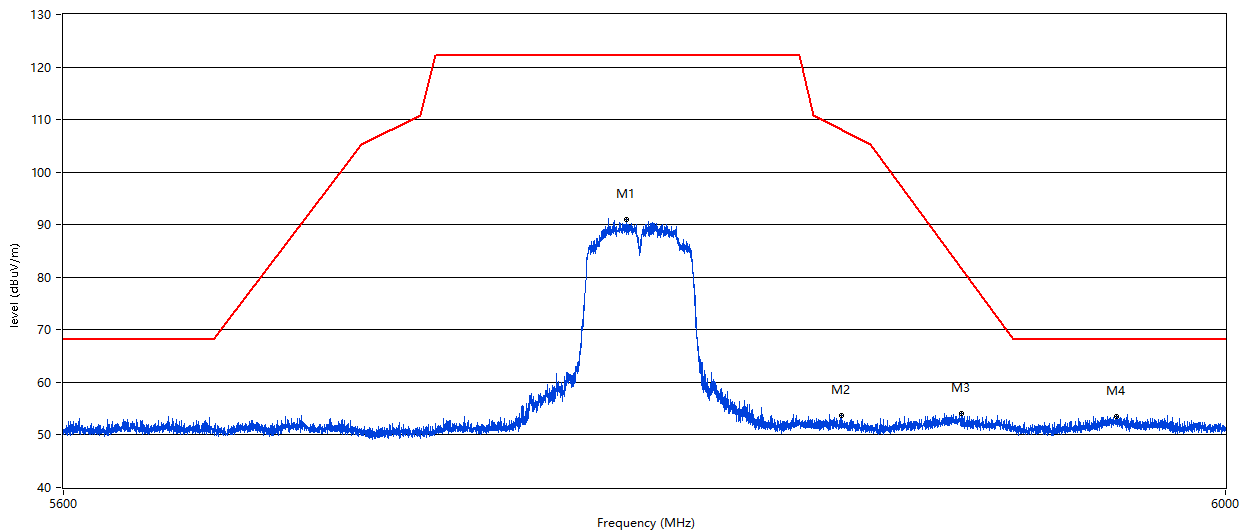
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5633.496	53.72	--	--	2.83	68.2	--	--	14.48	276.00	100	Horizontal	Pass
5679.290	52.88	--	--	2.78	89.9	--	--	37.02	225.80	100	Horizontal	Pass
5717.335	59.58	--	--	1.49	110.1	--	--	50.52	121.50	100	Horizontal	Pass
5743.732	92.03	--	--	1.94	122.2	--	--	30.17	125.50	100	Horizontal	Pass

Band IV 11n(HT40) CH159 ANT V



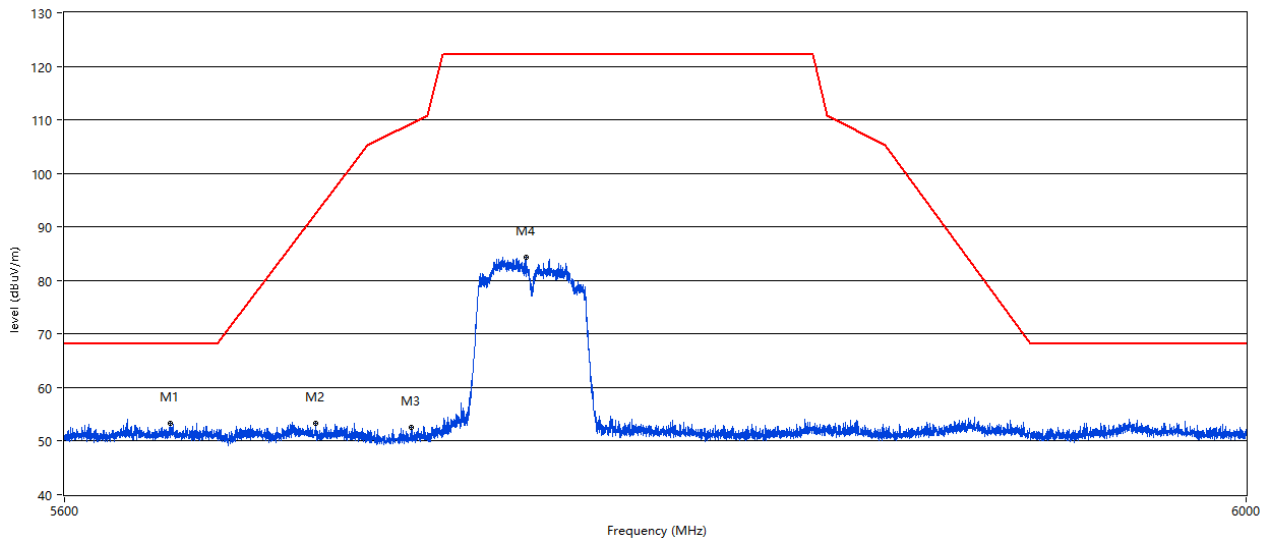
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5785.977	85.95	--	--	2.25	122.2	--	--	36.25	93.20	100	Vertical	Pass
5866.417	53.27	--	--	2.86	107.6	--	--	54.33	240.20	100	Vertical	Pass
5903.112	54.09	--	--	3.64	84.4	--	--	30.31	1.80	100	Vertical	Pass
5961.305	54.38	--	--	3.89	68.2	--	--	13.82	77.60	100	Vertical	Pass

Band IV 11n(HT40) CH159 ANT H



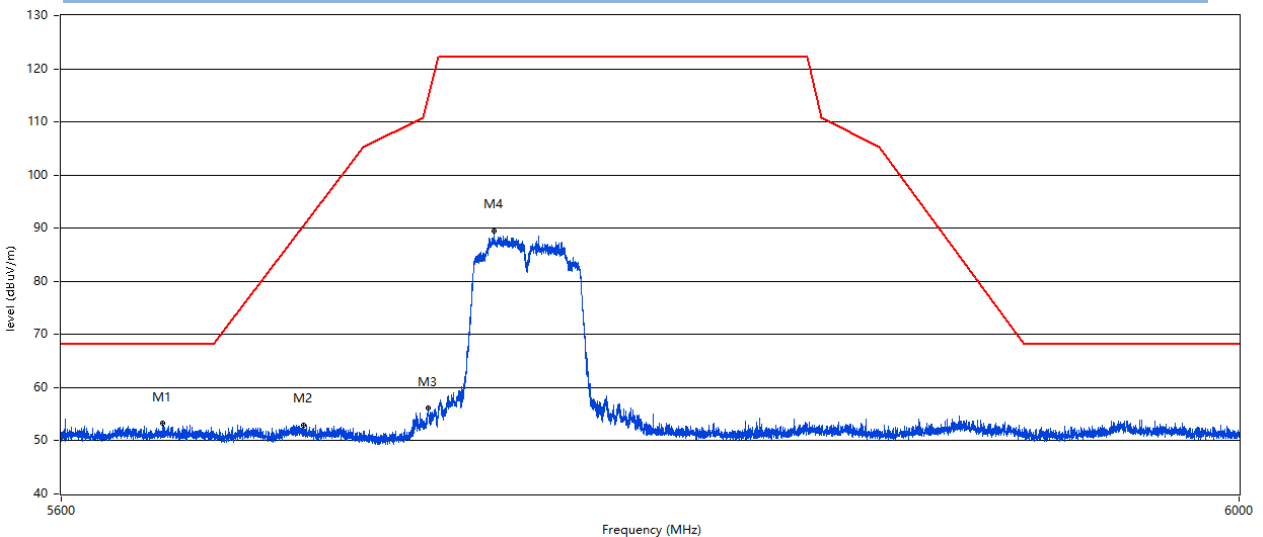
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5790.376	90.91	--	--	2.47	122.2	--	--	31.29	127.20	100	Horizontal	Pass
5864.617	53.67	--	--	3.03	108.1	--	--	54.43	358.30	100	Horizontal	Pass
5906.762	53.99	--	--	3.49	81.7	--	--	27.71	204.80	100	Horizontal	Pass
5961.455	53.42	--	--	3.88	68.2	--	--	14.78	200.90	100	Horizontal	Pass

Band IV 11ac(HT40) CH151 ANT V



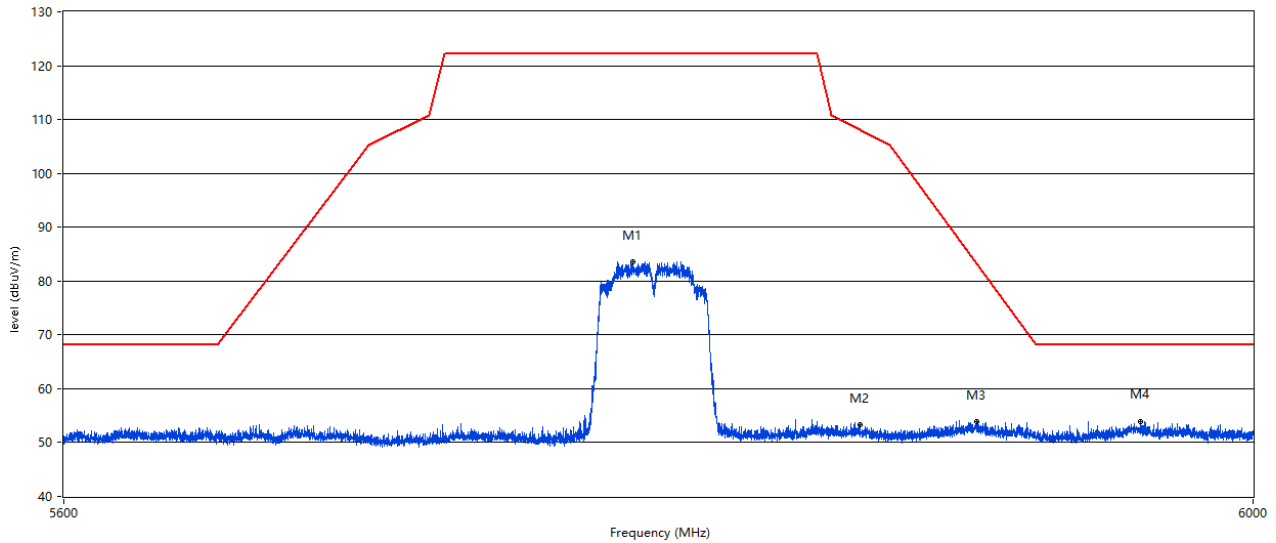
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5634.646	53.30	--	--	2.89	68.2	--	--	14.90	80.00	100	Vertical	Pass
5682.640	53.26	--	--	2.27	92.4	--	--	39.14	360.00	100	Vertical	Pass
5714.436	52.58	--	--	1.67	109.2	--	--	56.62	340.70	100	Vertical	Pass
5752.881	84.33	--	--	1.79	122.2	--	--	37.87	87.70	100	Vertical	Pass

Band IV 11ac(HT40) CH151 ANT H



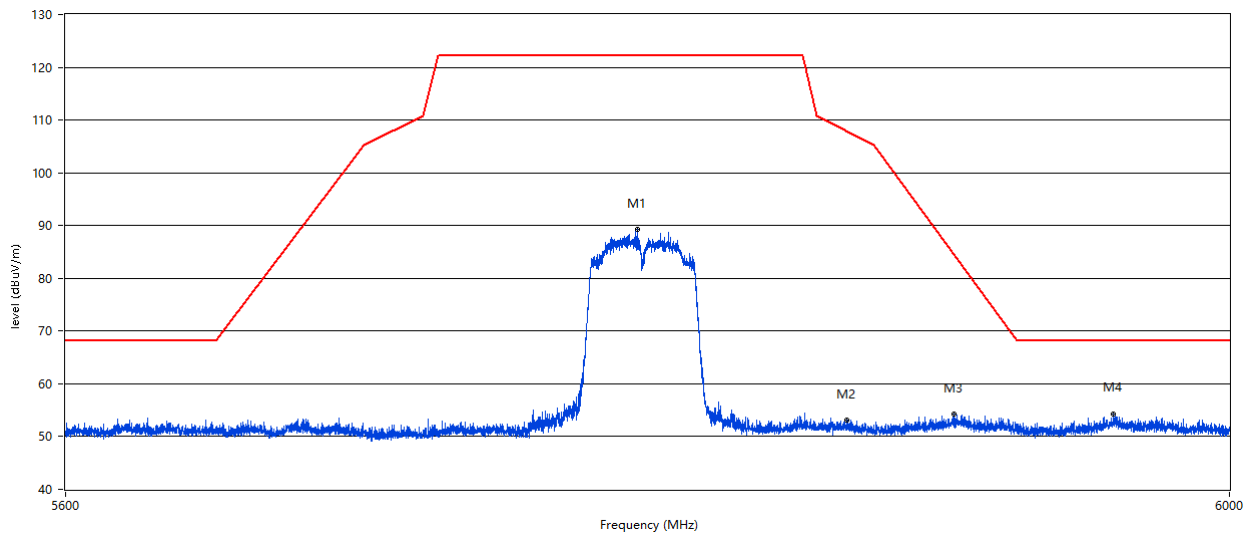
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5633.246	53.28	--	--	2.81	68.2	--	--	14.92	177.40	100	Horizontal	Pass
5679.940	53.03	--	--	2.69	90.4	--	--	37.37	200.40	100	Horizontal	Pass
5721.635	56.15	--	--	1.52	114.5	--	--	58.35	126.20	100	Horizontal	Pass
5743.732	89.57	--	--	1.94	122.2	--	--	32.63	130.20	100	Horizontal	Pass

Band IV 11ac(HT40) CH159 ANT V



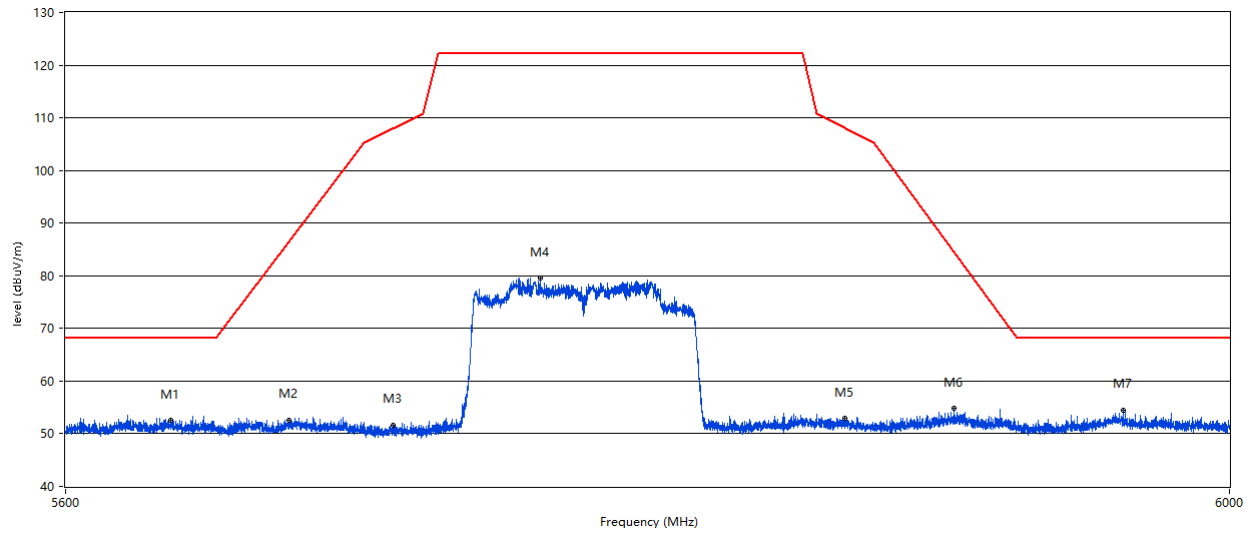
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5788.076	83.50	--	--	2.37	122.2	--	--	38.70	91.90	100	Vertical	Pass
5864.617	53.29	--	--	3.03	108.1	--	--	54.81	195.00	100	Vertical	Pass
5904.512	53.87	--	--	3.72	83.3	--	--	29.43	271.30	100	Vertical	Pass
5960.805	53.98	--	--	3.93	68.2	--	--	14.22	69.20	100	Vertical	Pass

Band IV 11ac(HT40) CH159 ANT H



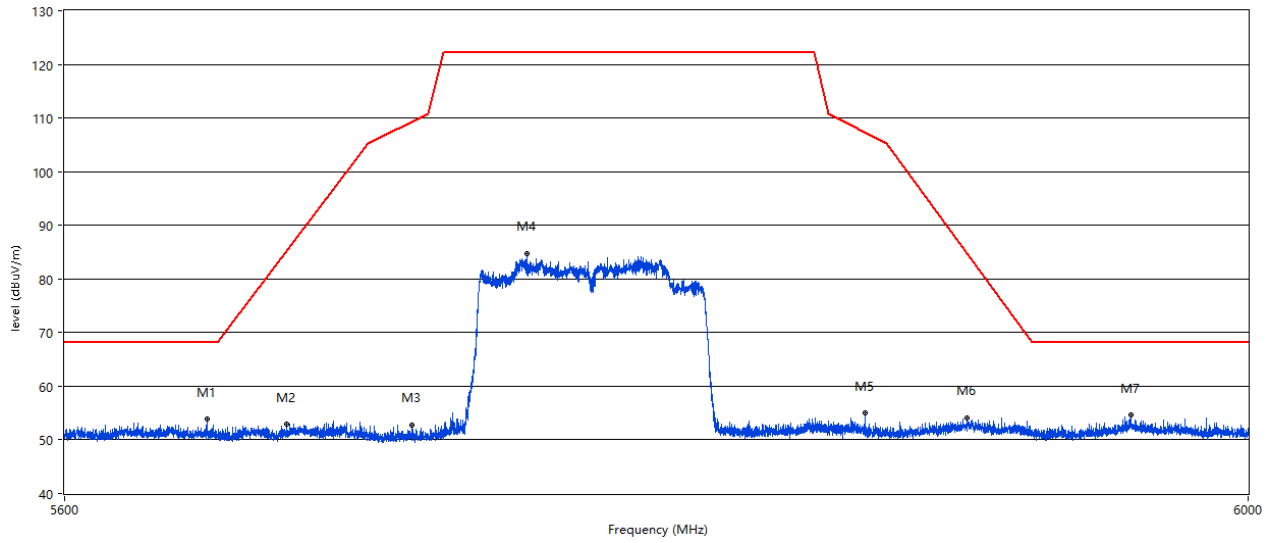
Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5793.126	89.21	--	--	2.54	122.2	--	--	32.99	120.10	100	Horizontal	Pass
5865.567	53.15	--	--	2.94	107.8	--	--	54.65	190.10	100	Horizontal	Pass
5902.662	54.25	--	--	3.58	84.7	--	--	30.45	120.10	100	Horizontal	Pass
5958.755	54.36	--	--	4.01	68.2	--	--	13.84	0.00	100	Horizontal	Pass

Band IV 11ac(HT80) CH155 ANT V



Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5634.896	52.63	--	--	2.85	68.2	--	--	15.57	356.70	100	Vertical	Pass
5674.741	52.62	--	--	2.66	86.5	--	--	33.88	3.30	100	Vertical	Pass
5709.736	51.55	--	--	1.50	107.9	--	--	56.35	253.00	100	Vertical	Pass
5759.680	79.57	--	--	1.83	122.2	--	--	42.63	83.70	100	Vertical	Pass
5864.617	52.90	--	--	3.03	108.1	--	--	55.20	356.70	100	Vertical	Pass
5902.762	54.78	--	--	3.60	84.6	--	--	29.82	156.90	100	Vertical	Pass
5962.255	54.51	--	--	3.81	68.2	--	--	13.69	145.50	100	Vertical	Pass

Band IV 11ac(HT80) CH155 ANT H



Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
5646.594	53.93	--	--	2.15	68.2	--	--	14.27	320.40	100	Horizontal	Pass
5673.041	52.97	--	--	2.42	85.3	--	--	32.33	1.60	100	Horizontal	Pass
5714.636	52.84	--	--	1.65	109.3	--	--	56.46	92.40	100	Horizontal	Pass
5753.031	84.78	--	--	1.79	122.2	--	--	37.42	123.50	100	Horizontal	Pass
5867.517	54.99	--	--	2.76	107.3	--	--	52.31	351.60	100	Horizontal	Pass
5902.462	54.17	--	--	3.56	84.8	--	--	30.63	158.10	100	Horizontal	Pass
5959.005	54.60	--	--	4.06	68.2	--	--	13.60	158.10	100	Horizontal	Pass

A.8 Frequency Stability

Measurement Data (the worst channel)

Voltage vs. Frequency Stability (5180 MHz)

Test Conditions		Test Frequency (MHz)	0 Minute		2 Minute		5 Minute		10Minute	
TEMP. (°C)	Voltage (VDC)		Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)
20	11.1	5180	5180.002691	0.52	5180.018219	3.52	5180.003641	0.70	5180.001313	0.25
	11.4	5180	5180.042166	8.14	5180.003499	0.68	5180.013558	2.62	5180.038514	7.44
	13.05	5180	5180.040603	7.84	5180.02616	5.05	5180.012951	2.50	5180.020414	3.94

Temperature vs. Frequency Stability (5180 MHz)

Test Conditions		Test Frequency (MHz)	0 Minute		2 Minute		5 Minute		10Minute	
Voltage (VDC)	TEMP. (°C)		Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)
11.4	-20	5180	5180.029439	5.68	5180.030229	5.84	5180.026393	5.10	5180.025384	4.90
	-10	5180	5180.038908	7.51	5180.018751	3.62	5180.036879	7.12	5180.036764	7.10
	0	5180	5180.019917	3.84	5180.002367	0.46	5180.010758	2.08	5180.009606	1.85
	10	5180	5180.017623	3.40	5180.000156	0.03	5180.019892	3.84	5180.029336	5.66
	20	5180	5180.039996	7.72	5180.014604	2.82	5180.038987	7.53	5180.026609	5.14
	30	5180	5180.010088	1.95	5180.019697	3.80	5180.016817	3.25	5180.039659	7.66
	40	5180	5180.005472	1.06	5180.030093	5.81	5180.031668	6.11	5180.033156	6.40
	50	5180	5180.027598	5.33	5180.003367	0.65	5180.028625	5.53	5180.043783	8.45
	55	5180	5180.024686	4.77	5180.043125	8.33	5180.000159	0.03	5180.020835	4.02

ANNEX B TEST SETUP PHOTOS

Please refer the document "BL-EC1830163-AR.PDF".

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document "BL- EC1830163-AW.PDF".

ANNEX D EUT INTERNAL PHOTOS

Please refer the document "BL- EC1830163-AI.PDF".

--END OF REPORT--