

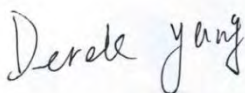
FCC TEST REPORT

Application No.: ZR/2021/20040
Applicant: Wingtech Group (Hongkong) Limited
Address of Applicant: Flat/RM 1903 ,19/F, Podium Plaza, 5 Hanoi Road, Tsim Sha Tsui, Kowloon, Hongkong
Manufacturer: Wingtech Group (Hongkong) Limited
Address of Manufacturer: Flat/RM 1903 ,19/F, Podium Plaza, 5 Hanoi Road, Tsim Sha Tsui, Kowloon, Hongkong
EUT Description: AIRSPEED MOBILE HOTSPOT
Model No.: ASMHS01
Trade Mark: AIRSPEED MOBILE HOTSPOT
FCC ID: 2APXW-ASMHS01
Standards: 47 CFR FCC Part 2, Subpart J
 47 CFR FCC Part 15, Subpart E
Date of Receipt: 2021/3/1
Date of Test: 2021/3/1 to 2021/4/15
Date of Issue: 2021/4/27

Test Result :	PASS *
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* In the configuration tested, the EUT detailed in this report complied with the standards specified above.

Authorized Signature:



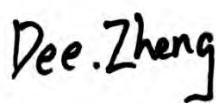
Derek Yang
Wireless Laboratory Manager



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1 Version

Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2021-04-27		Original

Authorized for issue by:		
Prepared By		 (Dee Zheng) / Engineer
Checked By		 (Jim Huang) / Reviewer



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2 Test Summary

Test Item	Band	FCC rules	Test Requirements	Test Result	Result	Test Lab*
26dB Emission Bandwidth	5150-5250	15.403(i) 15.407(a)(1)	No limit.	Clause 4.5	PASS	A
	5250-5350	15.403(i) 15.407(a)(2)				
	5470-5725	15.403(i) 15.407(a)(2)				
6dB Emission Bandwidth	5725-5850	15.403(i) 15.407(e)	≥ 500 kHz.	Clause 4.6	PASS	A
99% Occupied Bandwidth	5150-5250	KDB 789033 D02§ D	No limit.	Clause 4.7	PASS	A
	5250-5350					
	5470-5725					
	5725-5850					
Duty Cycle	5150-5850	--	No limit.	Clause 4.3	PASS	A
Maximum Conducted Output Power	5150-5250	15.407(a)(1) 15.407(a)(4)	FCC < 250mW (avg during transmission)	Clause 4.4	PASS	A
	5250-5350	15.407(a)(2) 15.407(a)(4)	<MIN{250mW, 11dBm+10*lg(EBW)} (avg during transmission)			
	5470-5725	15.407(a)(2) 15.407(a)(4)	<MIN{250mW, 11dBm+10*lg(EBW)} (avg during transmission)			
	5725-5850	15.407(a)(3)	< 1W (avg during transmission)			
Maximum Power Spectral Density	5150-5250	15.407(a)(1) 15.407(a)(4)	<11dBm/MHz (avg during transmission)	Clause 4.8	PASS	A
	5250-5350	15.407(a)(2) 15.407(a)(4)	<11dBm/MHz (avg during transmission)			
	5470-5725	15.407(a)(2) 15.407(a)(4)	<11dBm/MHz (avg during transmission)			
	5725-5850	15.407(a)(3) 15.407(a)(4)	<30dBm/500KHz (avg during transmission)			
Unwanted Emissions that fall Out of the Restricted Bands (Radiated)	5150-5250	15.407(b)(1) 15.407(b)(6) 15.407(b)(7) 15.209	F<1GHz: §15.209/§7.2.5 limit (QP). F≥1GHz & out-restricted: <-27dBm/MHz PK e.i.r.p. (exl. 5.15-5.35 GHz). F≥1GHz & in-restricted: §15.209/§7.2.5 limit (AV&PK).	Clause 4.9	PASS	B
	5250-5350	15.407(b)(2) 15.407(b)(6) 15.407(b)(7) 15.209	F<1GHz: §15.209/§7.2.5 limit (QP). F≥1GHz & out-restricted: <-27dBm/MHz PK e.i.r.p. (exl. 5.25-5.35 GHz). F≥1GHz & in-restricted:		PASS	



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	5470-5750	15.407(b)(3) 15.407(b)(6) 15.407(b)(7) 15.209	§15.209/§7.2.5 limit (AV&PK). F<1GHz: §15.209/§7.2.5 limit (QP). F≥1GHz & out-restricted: <-27dBm/MHz PK e.i.r.p. (exl. 5.47-5.725 GHz). F≥1GHz & in-restricted: §15.209/§7.2.5 limit (AV&PK).		PASS	
	5725-5850	15.407(b)(4) 15.407(b)(6) 15.407(b)(7) 15.209	F<1GHz: §15.209/§7.2.5 limit (QP) F≥1GHz & out-restricted:(QP) a) 27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges; b) 15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges; c) 10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges; and d) -27 dBm/MHz at frequencies more than 75 MHz above or below the band edges. F≥1GHz & in-restricted: §15.209/§7.2.5 limit (AV&PK).		PASS	
Unwanted Emissions in the Restricted Bands (Radiated)	5150-5250 5250-5350 5470-5725 5725-5850	15.209	---	Clause 4.10	PASS	B
AC Power Line Conducted Emissions	5150-5250 5250-5350 5470-5725 5725-5850	15.207	---	Clause 4.2	PASS	B
Frequency Stability	5150-5250 5250-5350 5470-5725 5725-	15.209	---	Clause 4.11	PASS	A



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	5850					
Dynamic Frequency Selection	5250-5350 5470-5725	47 CFR Part 15, Subpart E 15.407	Channel Move Time:10 Seconds	Clause 4.12	PASS	B

Remark : All test were performed by Lab A and B.

Lab A SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Lab B SGS-CSTC STANDARDS TECHNICAL SERVICES (XI 'AN) CO., LTD.



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3 General Information

3.1 Details of Client

Applicant:	Wingtech Group (Hongkong) Limited
Address of Applicant	Flat/RM 1903 ,19/F, Podium Plaza, 5 Hanoi Road, Tsim Sha Tsui, Kowloon, Hongkong
Manufacturer:	Wingtech Group (Hongkong) Limited
Address of Manufacturer	Flat/RM 1903 ,19/F, Podium Plaza, 5 Hanoi Road, Tsim Sha Tsui, Kowloon, Hongkong

3.2 Test Location

Lab A:

Company:	SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
Address:	No. 1 Workshop, M-10, Middle section, Science & Technology Park, Shenzhen, Guangdong, China
Post code:	518057
Test engineer:	Dee Zheng,Swing Hu,Habit Zeng

Lab B:

Company:	SGS-CSTC STANDARDS TECHNICAL SERVICES (XI 'AN) CO., LTD.
Address:	1/F, Unit D, Building 1, Kanghong Orange Technology Park, No.137, Keyuan 3rd Road, Fengdong New City, Xi'an, Shaanxi China
Post code:	710086
Test engineer:	Leah Chen,Ken Liu,Andy Yao



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3.3 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

Lab A:

• **A2LA (Certificate No. 3816.01)**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

• **VCCI**

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

• **FCC –Designation Number: CN1178**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1178. Test Firm Registration Number: 406779.

• **Innovation, Science and Economic Development Canada**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0006.

IC#: 4620C.

Lab B:

A2LA (Certificate No. 4854.01)

SGS-CSTC STANDARDS TECHNICAL SERVICES (XI 'AN) CO., LTD. is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 4854.01.

FCC-Designation Number: CN1271.



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3.4 General Description of EUT

EUT Description:	AIRSPED MOBILE HOTSPOT
Model No.:	ASMHS01
Trade Mark:	AIRSPED MOBILE HOTSPOT
Hardware Version:	DVT:89528_1_30
Software Version:	Perdix_0.00.15
IEEE 802.11 WLAN Mode Supported	☒ 802.11a (20 MHz channel bandwidth), ☒ 802.11n (20 MHz channel bandwidth) ☒ 802.11n (40 MHz channel bandwidth), ☒ 802.11ac (20 MHz channel bandwidth) ☒ 802.11ac (40 MHz channel bandwidth) ☒ 802.11ac (80 MHz channel bandwidth) ☒ 802.11ac (160 MHz channel bandwidth)
Operation Frequency:	IEEE 802.11n(HT20/40)/ ac(HT20/40/80/): 5150MHz to 5250MHz IEEE 802.11n(HT20/40)/ ac(HT20/40/80/160): 5250MHz to 5350MHz IEEE 802.11n(HT20/40)/ ac(HT20/40/80/160): 5470MHz to 5725MHz IEEE 802.11n(HT20/40)/ ac(HT20/40/80): 5725MHz to 5850MHz
Type of Modulation:	OFDM
DFS mode:	☐ Master ☐ Slave with radar detection ☒ Slave without radar detection
Sample Type:	☒ Portable Device, ☐ Module
Antenna Type:	☐ External, ☒ Integrated
Antenna Ports	☒ Ant 1, ☐ Ant 2, ☐ Ant 3
Smart System	☒ SISO (for 802.11a/n/ac), ☐ MIMO (for 802.11n/ac), ☐ Diversity (for 802.11a).
Antenna Gain:	1.91dBi

Remark:

In FCC 15.31, for each band in which the device can be operated with the device operating at the number of frequencies in each band specified in the following table, and the selected channel to perform the test as below:

Frequency Range of Operation Operating Frequency Range (in each Band)	Number of Measurement Frequencies Required	Location of Measurement Frequency in Band of Operation
1 MHz or less	1	centre
1 MHz to 10 MHz	2	1 near high end, 1 near low end
Greater than 10 MHz	3	1 near high end, 1 near centre



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For UNII Band I:

Mode	Channel	Frequency(MHz)
IEEE 802.11a/n/ac 20MHz	The Lowest channel	5180
	The Middle channel	5200
	The Highest channel	5240
IEEE 802.11n/ac 40MHz	The Lowest channel	5190
	The Highest channel	5230
IEEE 802.11ac 80MHz	The Middle channel	5210

For UNII Band II-A:

Mode	Channel	Frequency(MHz)
IEEE 802.11a/n/ac 20MHz	The Lowest channel	5260
	The Middle channel	5280
	The Highest channel	5320
IEEE 802.11n/ac 40MHz	The Lowest channel	5270
	The Highest channel	5310
IEEE 802.11ac 80MHz	The Middle channel	5290

For UNII Band II-C:

Mode	Channel	Frequency(MHz)
IEEE 802.11a/n/ac 20MHz	The Lowest channel	5500
	The Middle channel	5580
	The Highest channel	5700
IEEE 802.11n/ac 40MHz	The Lowest channel	5510
	The Middle channel	5550
	The Highest channel	5670
IEEE 802.11ac 80MHz	The Lowest channel	5530
	The Highest channel	5610

For UNII Band III:

Mode	Channel	Frequency(MHz)
IEEE 802.11a/n/ac 20MHz	The Lowest channel	5745
	The Middle channel	5785
	The Highest channel	5825
IEEE 802.11n/ac 40MHz	The Lowest channel	5755
	The Highest channel	5795
IEEE 802.11ac 80MHz	The Middle channel	5775



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3.5 Test Environment and Mode

Operating Environment:	
Temperature:	25.0 °C
Humidity:	50 % RH
Atmospheric Pressure:	101.30 KPa
Test mode:	
Transmitting mode:	Keep the EUT in transmitting mode with all kind of modulation and all kind of data rate.



4 Test results and Measurement Data

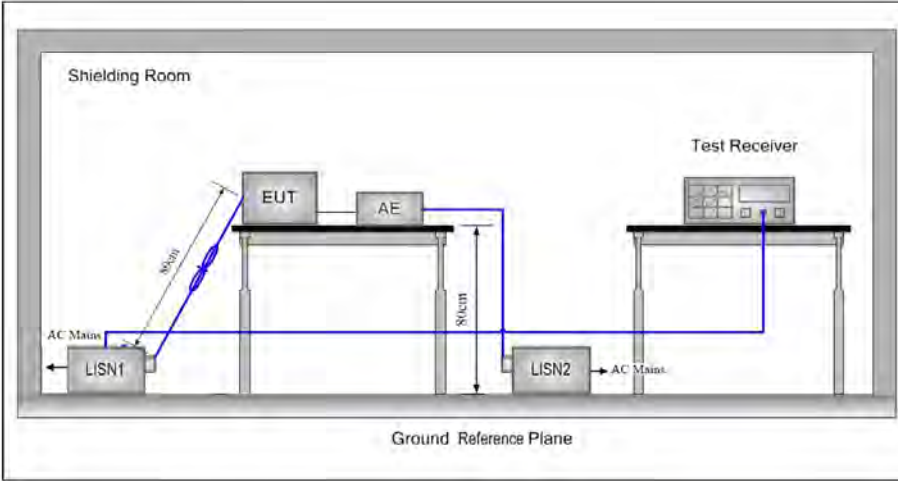
4.1 Antenna Requirement

Standard requirement:	47 CFR Part 15 Section 15.203
The antenna is integrated antenna and no consideration of replacement. The best case gain of the antenna is 1.91dBi.	

4.2 AC Power Line Conducted Emissions

Test Requirement:	47 CFR Part 15 Section 15.407(b)		
Test Method:	ANSI C63.10: 2013		
Test Frequency Range:	150kHz to 30MHz		
Limit:	Frequency range (MHz)	Limit (dBuV)	
		Quasi-peak	Average
	0.15-0.5	66 to 56*	56 to 46*
	0.5-5	56	46
	5-30	60	50
* Decreases with the logarithm of the frequency.			
Test Procedure:	1) The mains terminal disturbance voltage test was conducted in a shielded room. 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50Ω/50μH + 5Ω linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded. 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane, 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2. 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10: 2013 on conducted measurement.		



Test Setup:	
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates at lowest, middle and highest channel.
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate of 802.11a at lowest channel is the worst case. Only the worst case is recorded in the report.
Instruments Used:	Refer to section 6 for details
Test Results:	Pass



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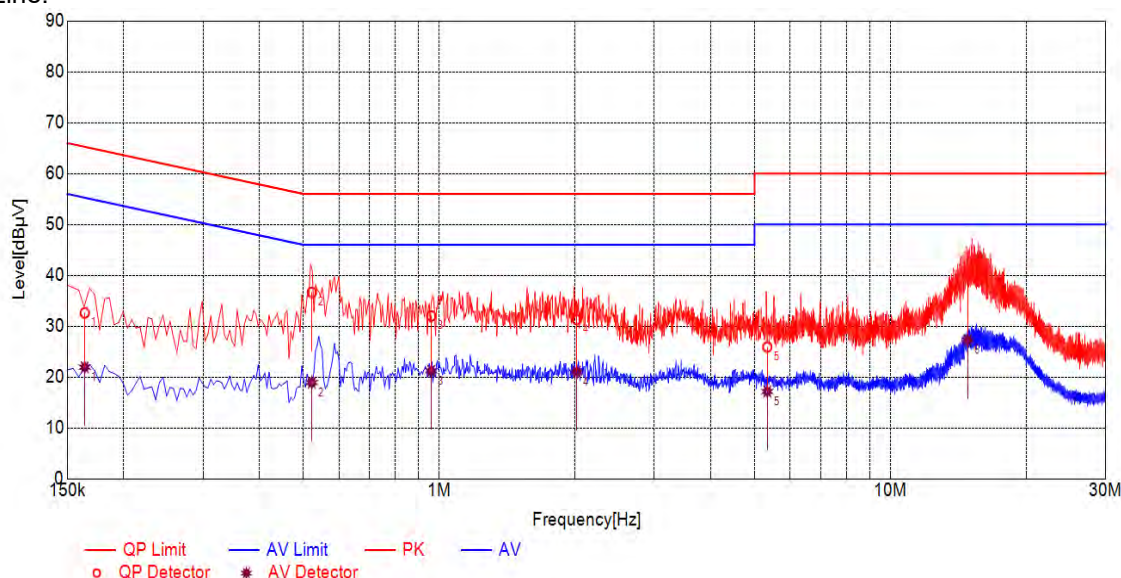
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Measurement Data

An initial pre-scan was performed on the live and neutral lines with peak detector. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.

Live Line:



Test Graph

Final Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]
1	0.1640	10.10	32.57	65.26	32.69	21.78	55.26	33.48
2	0.5225	10.10	36.78	56.00	19.22	18.87	46.00	27.13
3	0.9606	10.10	32.12	56.00	23.88	21.35	46.00	24.65
4	2.0195	10.10	31.35	56.00	24.65	21.04	46.00	24.96
5	5.3368	10.10	25.89	60.00	34.11	17.22	50.00	32.78
6	14.8373	10.11	40.44	60.00	19.56	27.17	50.00	22.83

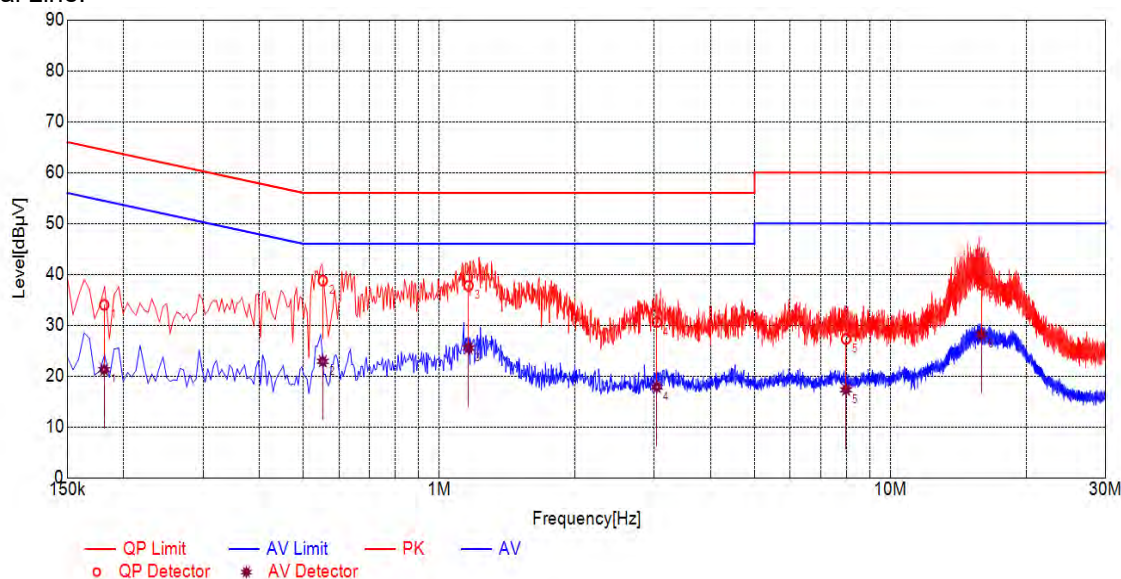


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Neutral Line:



Test Graph

Final Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]
1	0.1811	10.10	34.12	64.43	30.31	21.45	54.43	32.98
2	0.5525	10.10	38.68	56.00	17.32	22.78	46.00	23.22
3	1.1623	10.10	37.78	56.00	18.22	25.69	46.00	20.31
4	3.0371	10.10	30.78	56.00	25.22	17.77	46.00	28.23
5	7.9750	10.10	27.32	60.00	32.68	17.14	50.00	32.86
6	15.9099	10.11	38.12	60.00	21.88	28.24	50.00	21.76

Remark1:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level = Receiver Reading + LISN Factor + Cable Loss.



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4.3 Duty Cycle

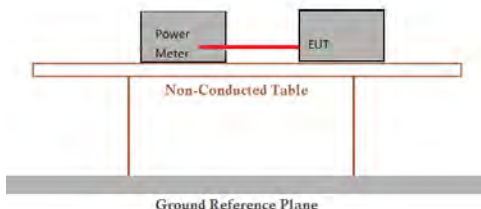
The detailed test data see: **Appendix**



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4.4 Conducted Output Power

Test Requirement:	47 CFR Part 15 Section 15.407(a)	
Test Method:	ANSI C63.10 :2013	
Test Setup:		
Test Instruments:	Refer to section 6 for details	
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates	
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate is the worst case of 802.11a; MCS0 of rate is the worst case of 802.11n(HT20) ; MCS0 of rate is the worst case of 802.11n(HT40); MCS0 of rate is the worst case of 802.11ac(VHT20). MCS0 of rate is the worst case of 802.11ac(VHT40). MCS0 of rate is the worst case of 802.11ac(VHT80). Only the worst case is recorded in the report.	
Limit:	Frequency Band	Limit
	5150-5250MHz	Not exceed 250mW(24dBm)
	5250-5350MHz	The lesser of 250mW(24dBm) or 11+ 10logB
	5470-5725MHz	The lesser of 250mW(24dBm) or 11+ 10logB
	5725-5850MHz	Not exceed 1W(30dBm)
	*Where B is the 26dB emission bandwidth in MHz	
Test Results:	Pass	

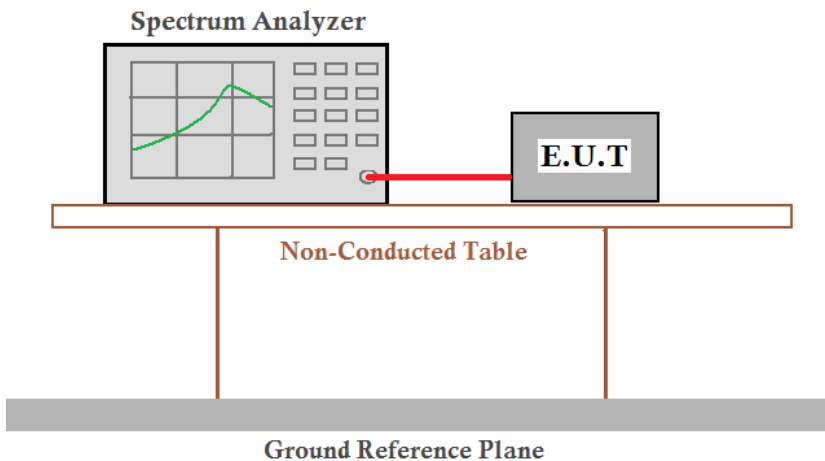
The detailed test data see: **Appendix**



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4.5 26dB Emission Bandwidth

Test Requirement:	47 CFR Part 15 Section 15.407(a)
Test Method:	ANSI C63.10: 2013
Test Setup:	 The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. Both are placed on a Non-Conducted Table, which is supported by a Ground Reference Plane.
Instruments Used:	Refer to section 6 for details
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate is the worst case of 802.11a; MCS0 of rate is the worst case of 802.11n(HT20) ; MCS0 of rate is the worst case of 802.11n(HT40); MCS0 of rate is the worst case of 802.11ac(VHT20). MCS0 of rate is the worst case of 802.11ac(VHT40). MCS0 of rate is the worst case of 802.11ac(VHT80). Only the worst case is recorded in the report.
Limit:	No restriction limits
Test Results:	Pass

The detailed test data see: **Appendix**



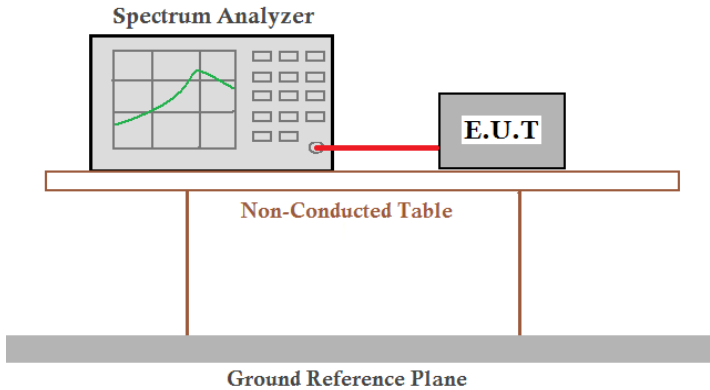
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4.6 6dB Emission Bandwidth

Test Requirement:	47 CFR Part 15 Section 15.407(e)	
Test Method:	ANSI C63.10: 2013	
Test Setup:		
Test Instruments:	Refer to section 6 for details	
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates	
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate is the worst case of 802.11a; MCS0 of rate is the worst case of 802.11n(HT20) ; MCS0 of rate is the worst case of 802.11n(HT40); MCS0 of rate is the worst case of 802.11ac(VHT20). MCS0 of rate is the worst case of 802.11ac(VHT40). MCS0 of rate is the worst case of 802.11ac(VHT80). Only the worst case is recorded in the report.	
Limit:	Frequency Band	Limit
	5725-5850MHz	At lease 500kHz
Test Results:	Pass	

The detailed test data see: **Appendix**



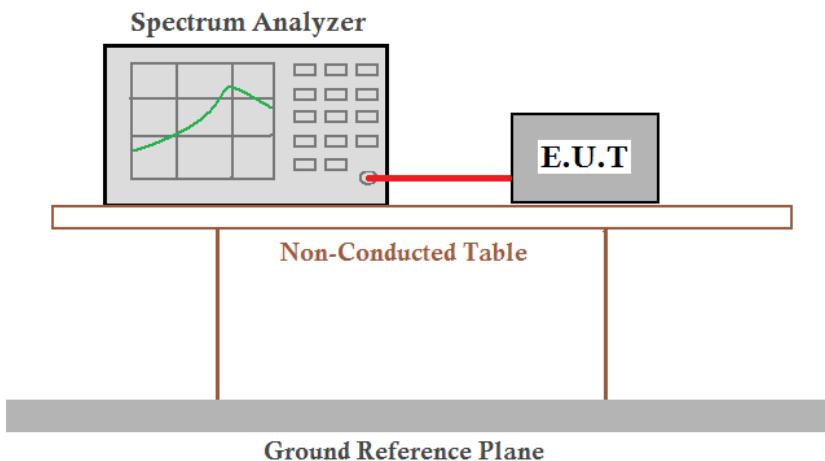
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4.7 99% Occupied Bandwidth

Test Requirement:	47 CFR Part 15 Section 15.407(a)
Test Method:	ANSI C63.10: 2013
Test Setup:	
Instruments Used:	Refer to section 6 for details
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate is the worst case of 802.11a; MCS0 of rate is the worst case of 802.11n(HT20) ; MCS0 of rate is the worst case of 802.11n(HT40); MCS0 of rate is the worst case of 802.11ac(VHT20). MCS0 of rate is the worst case of 802.11ac(VHT40). MCS0 of rate is the worst case of 802.11ac(VHT80). Only the worst case is recorded in the report.
Limit:	No restriction limits
Test Results:	Pass

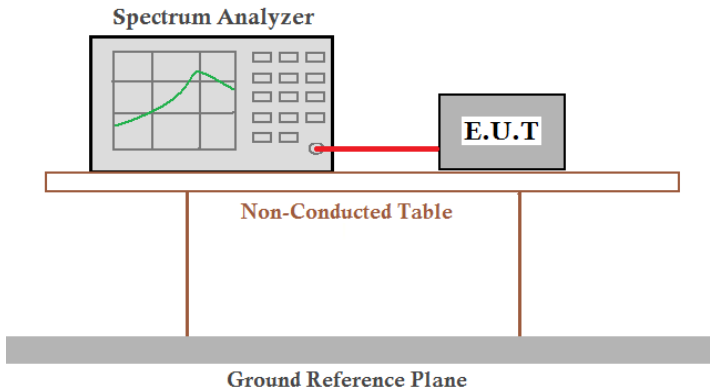
The detailed test data see: **Appendix**



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4.8 Power Spectral Density

Test Requirement:	47 CFR Part 15 Section 15.407(a)	
Test Method:	ANSI C63.10: 2013 KDB 789033 D02 v02r01, Section F.	
Test Setup:		
Instruments Used:	Refer to section 6 for details	
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates	
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate is the worst case of 802.11a; MCS0 of rate is the worst case of 802.11n(HT20) ; MCS0 of rate is the worst case of 802.11n(HT40); MCS0 of rate is the worst case of 802.11ac(VHT20). MCS0 of rate is the worst case of 802.11ac(VHT40). MCS0 of rate is the worst case of 802.11ac(VHT80). Only the worst case is recorded in the report.	
Limit:	Frequency Band	Limit
	5150-5250MHz	The power spectral density less than 11dBm/1MHz
	5250-5350MHz	The power spectral density less than 11dBm/1MHz
	5470-5725MHz	The power spectral density less than 11dBm/1MHz
	5725-5850MHz	The power spectral density less than <30dBm/500KHz
Test Results:	Pass	

The detailed test data see: **Appendix**



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4.9 Radiated Spurious Emissions

Test Requirement:	47 CFR Part 15 Section 15.407(b)
Test Method:	ANSI C63.10: 2013
Test Site:	Measurement Distance: 3m or 10m (Semi-Anechoic Chamber)
Test Setup:	

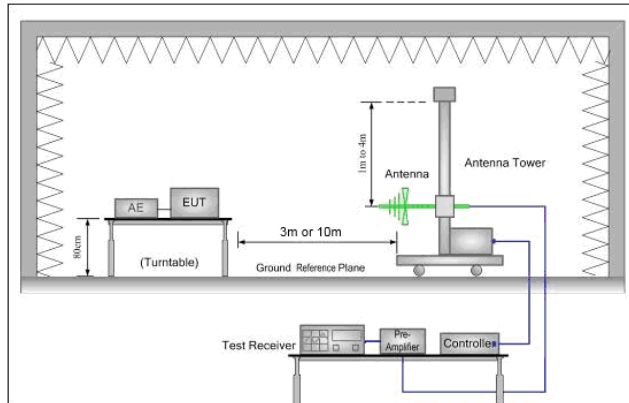


Figure 1. 30MHz to 1GHz

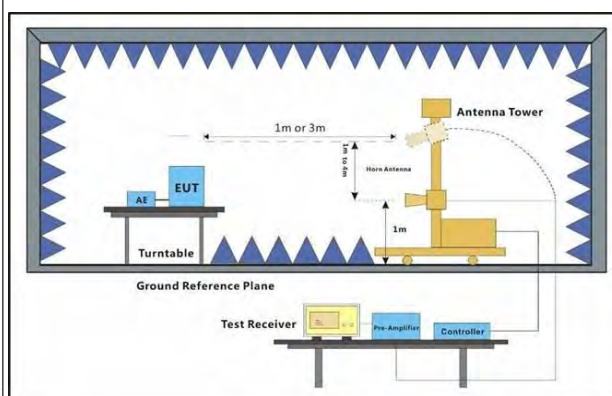


Figure 2. Above 1 GHz

Test Procedure:	- For below 1GHz test, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. - For above 1GHz test, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. - The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. - The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. - For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. - The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. - Test the EUT in the outermost channels. - The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case. - Repeat above procedures until all frequencies measured was complete.
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates.
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate is the worst case of 802.11a; MCS0 of rate is the worst case of 802.11n(HT20) ; MCS0 of rate is the worst case of 802.11n(HT40);



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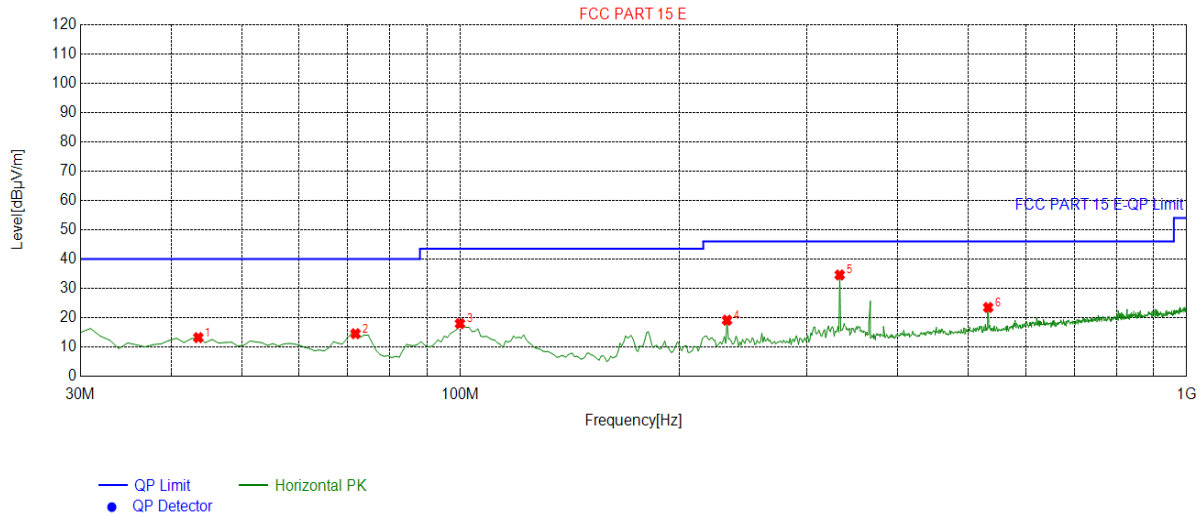
	MCS0 of rate is the worst case of 802.11ac(VHT20). MCS0 of rate is the worst case of 802.11ac(VHT40). MCS0 of rate is the worst case of 802.11ac(VHT80). For below 1GHz, through Pre-scan, find the 1Mbps of rate of 802.11a at lowest channel is the worst case. Only the worst case is recorded in the report.
Instruments Used:	Refer to section 6 for details
Test Results:	Pass



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4.9.1 Radiated emission below 1GHz



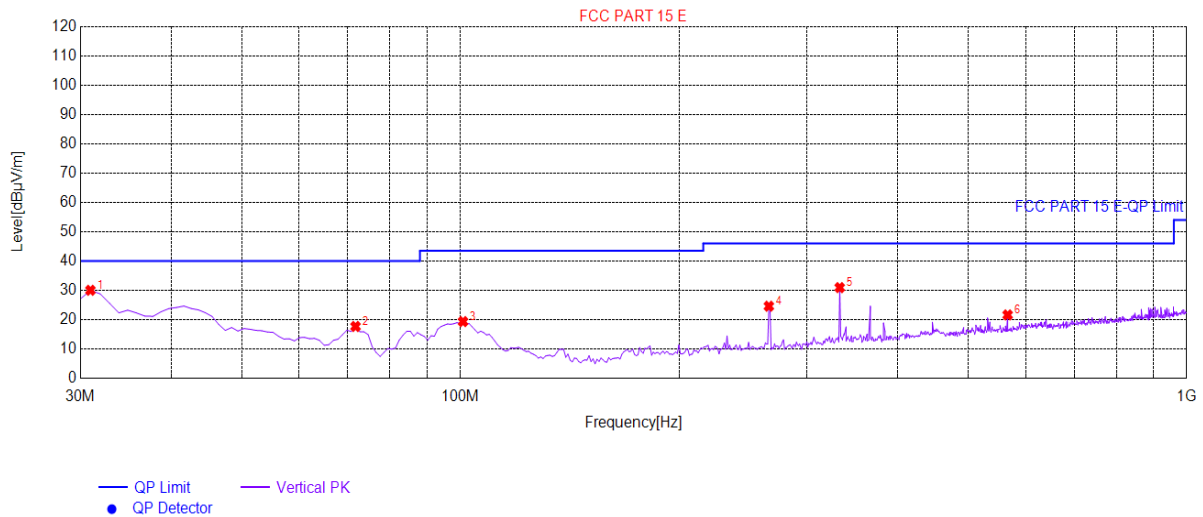
Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	43.5936	13.19	-26.76	40.00	26.81	213	60	Horizontal
2	71.7518	14.53	-30.82	40.00	25.47	158	83	Horizontal
3	99.9099	17.96	-28.14	43.50	25.54	212	292	Horizontal
4	232.9329	19.13	-27.20	46.00	26.87	231	120	Horizontal
5	332.9429	34.56	-24.41	46.00	11.44	398	305	Horizontal
6	532.9630	23.47	-20.45	46.00	22.53	186	101	Horizontal



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Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	30.9710	30.02	-29.32	40.00	9.98	202	358	Vertical
2	71.7518	17.68	-30.82	40.00	22.32	189	258	Vertical
3	100.8809	19.35	-28.13	43.50	24.15	155	263	Vertical
4	265.9459	24.59	-26.47	46.00	21.41	168	312	Vertical
5	332.9429	30.93	-24.41	46.00	15.07	321	124	Vertical
6	566.9469	21.61	-19.90	46.00	24.39	241	308	Vertical



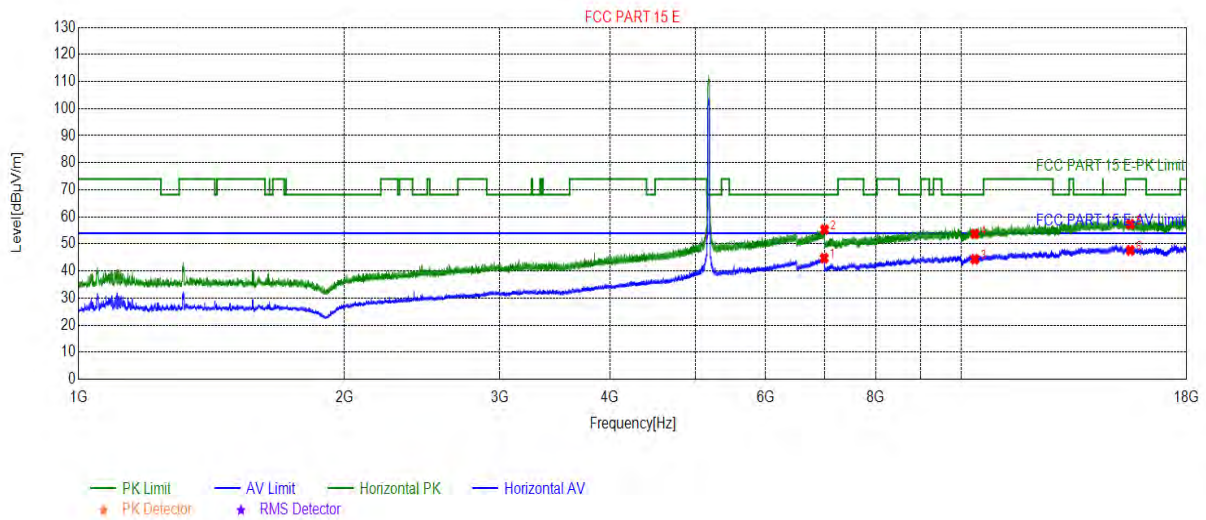
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4.9.2 Transmitter emission above 1GHz

4.9.2.1 802.11A_Channel 36

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6993.399	44.76	21.61	54.00	9.24	157	294	Horizontal
2	6999.700	55.28	21.64	68.20	12.92	127	288	Horizontal
3	10360.00	44.35	-2.34	54.00	9.65	181	276	Horizontal
4	10360.00	53.68	-2.34	68.20	14.52	198	50	Horizontal
5	15540.00	57.29	2.07	74.00	16.71	240	320	Horizontal
6	15540.00	47.66	2.07	54.00	6.34	148	149	Horizontal

Final Data List



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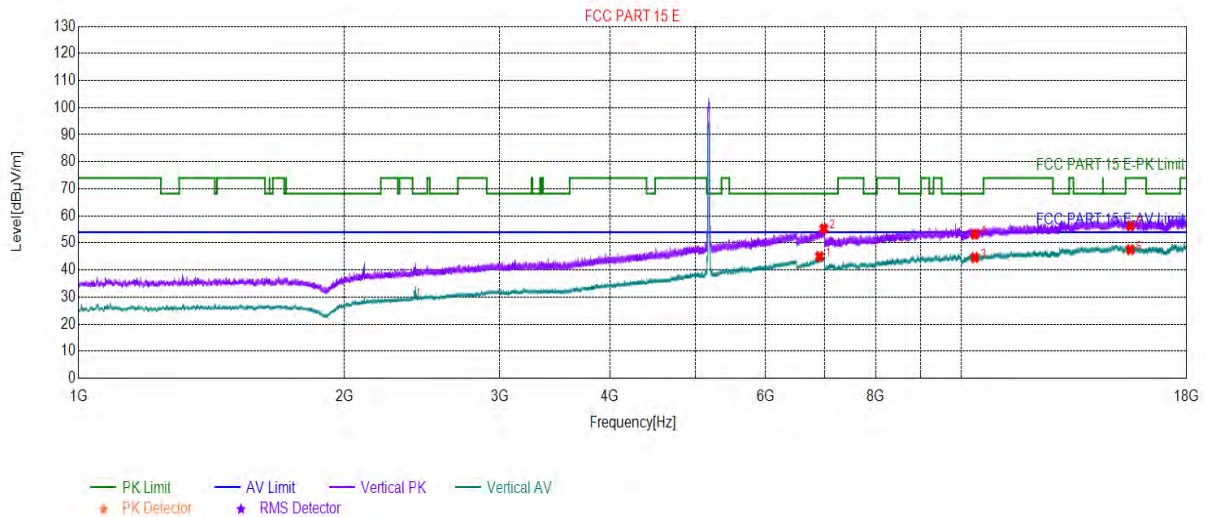
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4.9.2.2 802.11A_Channel CH36

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6906.995	45.01	21.28	54.00	8.99	161	257	Vertical
2	6987.699	55.29	21.54	68.20	12.91	184	220	Vertical
3	10360.00	44.61	-2.34	54.00	9.39	234	132	Vertical
4	10360.00	53.18	-2.34	68.20	15.02	150	111	Vertical
5	15540.00	56.26	2.07	74.00	17.74	219	305	Vertical
6	15540.00	47.54	2.07	54.00	6.46	227	343	Vertical

Final Data List



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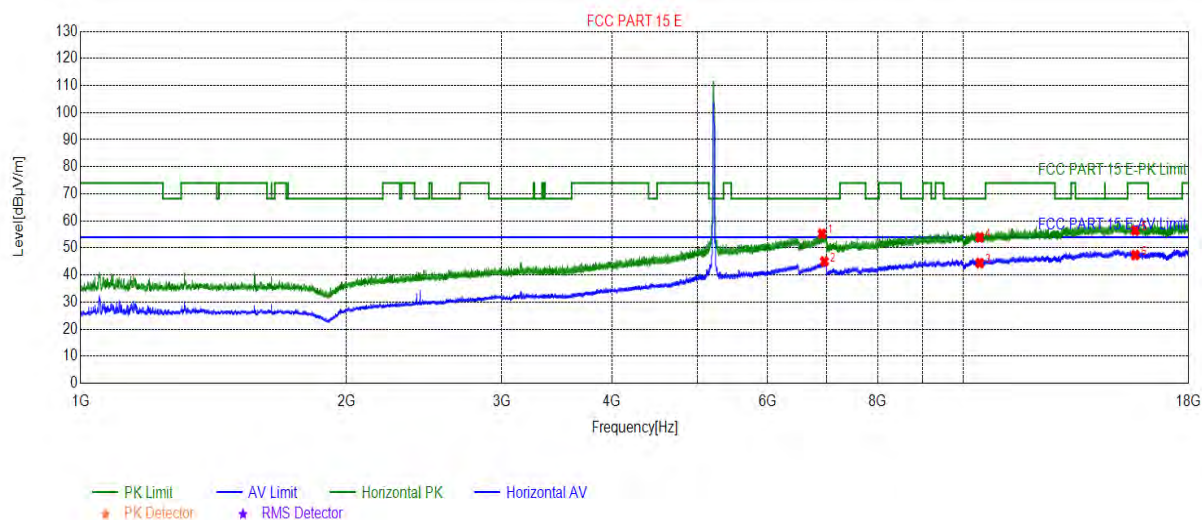
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4.9.2.3 802.11A_Channel CH44

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6918.395	55.24	21.16	68.20	12.96	245	242	Horizontal
2	6960.398	45.01	21.09	54.00	8.99	245	103	Horizontal
3	10440.00	44.41	-2.02	54.00	9.59	147	111	Horizontal
4	10440.00	53.93	-2.02	68.20	14.27	185	84	Horizontal
5	15660.00	56.44	1.53	74.00	17.56	104	133	Horizontal
6	15660.00	47.36	1.53	54.00	6.64	204	288	Horizontal

Final Data List

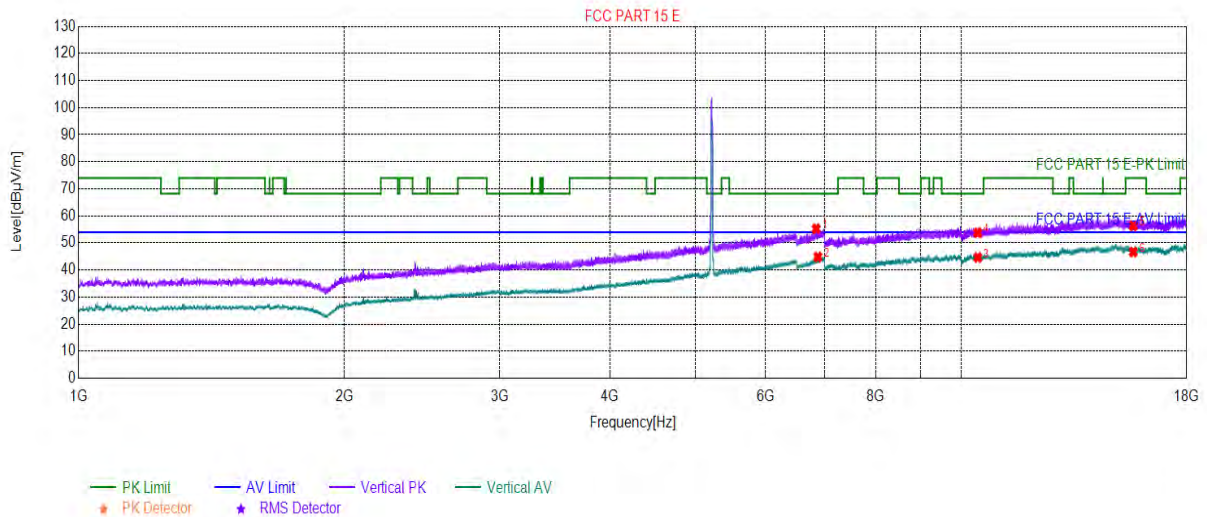


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4.9.2.4 802.11A_Channel CH44

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6848.192	55.23	21.37	68.20	12.97	203	105	Vertical
2	6878.193	44.82	21.34	54.00	9.18	183	176	Vertical
3	10440.00	44.61	-2.02	54.00	9.39	240	228	Vertical
4	10440.00	53.74	-2.02	68.20	14.46	162	201	Vertical
5	15660.00	56.30	1.53	74.00	17.70	167	276	Vertical
6	15660.00	46.63	1.53	54.00	7.37	201	93	Vertical

Final Data List



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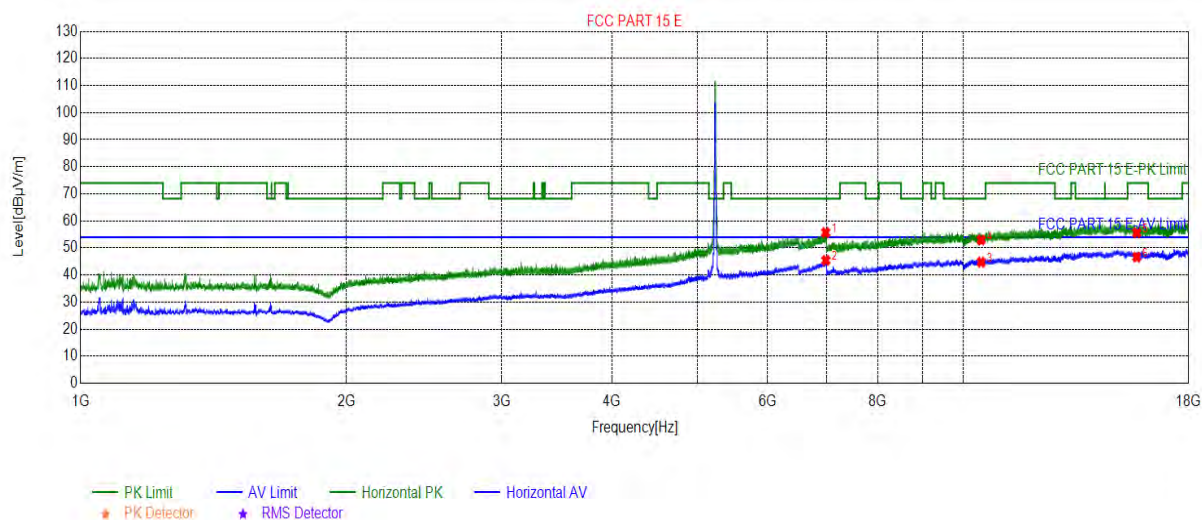
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4.9.2.5 802.11A_Channel CH48

Test Graph



Suspected List

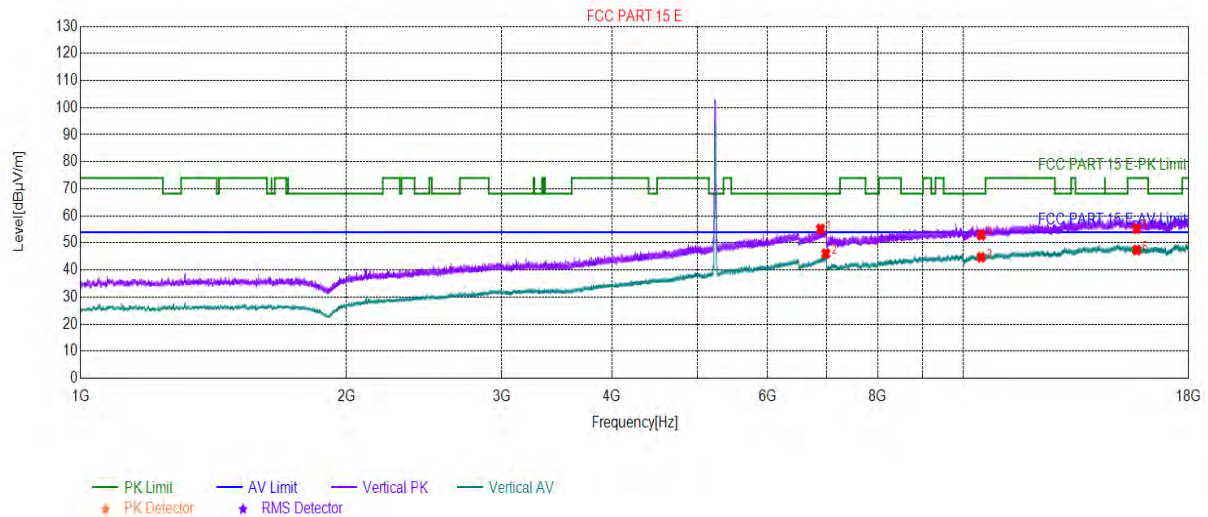
Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6984.099	55.66	21.47	68.20	12.54	186	155	Horizontal
2	6987.099	45.41	21.53	54.00	8.59	205	43	Horizontal
3	10480.00	44.75	-1.93	54.00	9.25	197	36	Horizontal
4	10480.00	52.93	-1.93	68.20	15.27	110	177	Horizontal
5	15720.00	55.60	1.46	74.00	18.40	165	358	Horizontal
6	15720.00	46.62	1.46	54.00	7.38	162	309	Horizontal

Final Data List



4.9.2.6 802.11A_Channel CH48

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6889.594	55.14	21.01	68.20	13.06	238	79	Vertical
2	6986.799	46.08	21.53	54.00	7.92	249	22	Vertical
3	10480.00	44.67	-1.93	54.00	9.33	233	60	Vertical
4	10480.00	52.89	-1.93	68.20	15.31	205	153	Vertical
5	15720.00	55.25	1.46	74.00	18.75	211	208	Vertical
6	15720.00	47.36	1.46	54.00	6.64	192	169	Vertical

Final Data List



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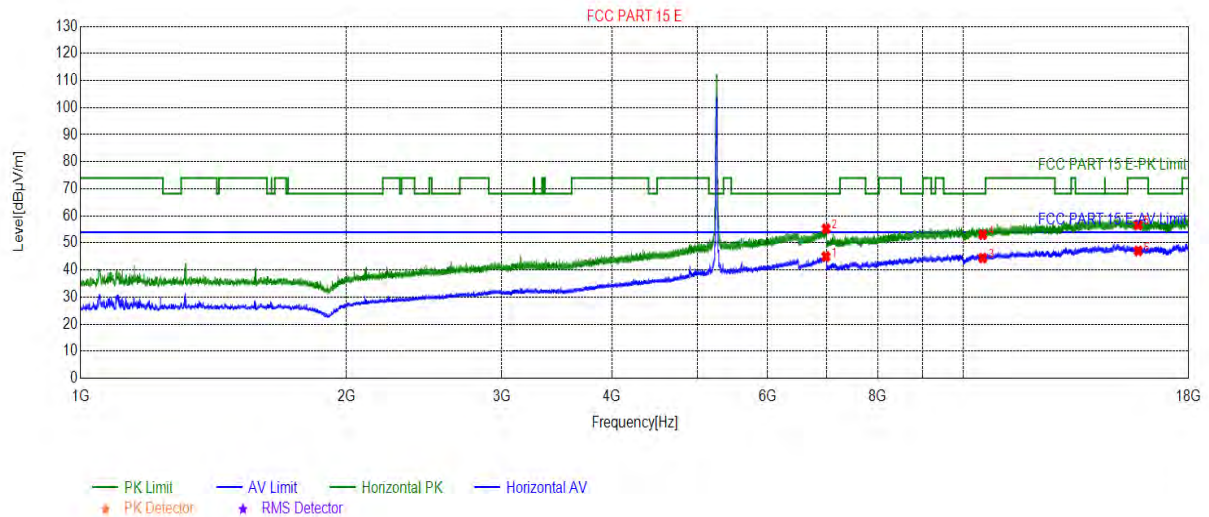
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4.9.2.7 802.11A_Channel CH52

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6988.299	44.96	21.56	54.00	9.04	179	6	Horizontal
2	6992.199	55.25	21.60	68.20	12.95	174	326	Horizontal
3	10520.00	44.43	-1.91	54.00	9.57	219	353	Horizontal
4	10520.00	53.07	-1.91	68.20	15.13	240	309	Horizontal
5	15780.00	56.69	1.54	74.00	17.31	200	2	Horizontal
6	15780.00	47.03	1.54	54.00	6.97	109	7	Horizontal

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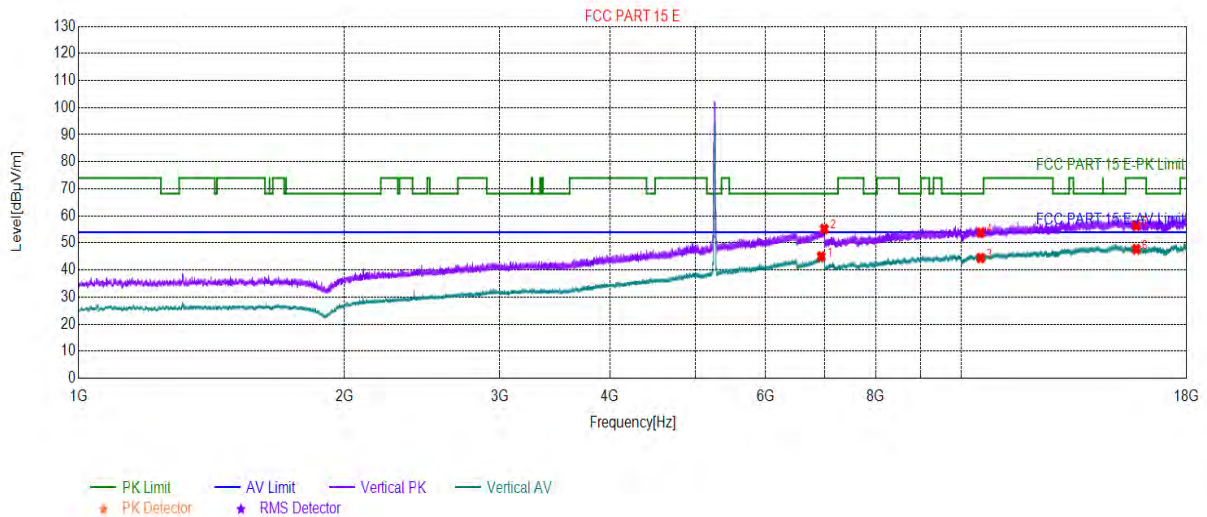
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4.9.2.8 802.11A_Channel CH52

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6938.796	45.00	21.47	54.00	9.00	163	260	Vertical
2	6996.099	55.15	21.62	68.20	13.05	234	110	Vertical
3	10520.00	44.44	-1.91	54.00	9.56	250	275	Vertical
4	10520.00	53.80	-1.91	68.20	14.40	271	258	Vertical
5	15780.00	56.34	1.54	74.00	17.66	266	35	Vertical
6	15780.00	47.72	1.54	54.00	6.28	233	73	Vertical

Final Data List



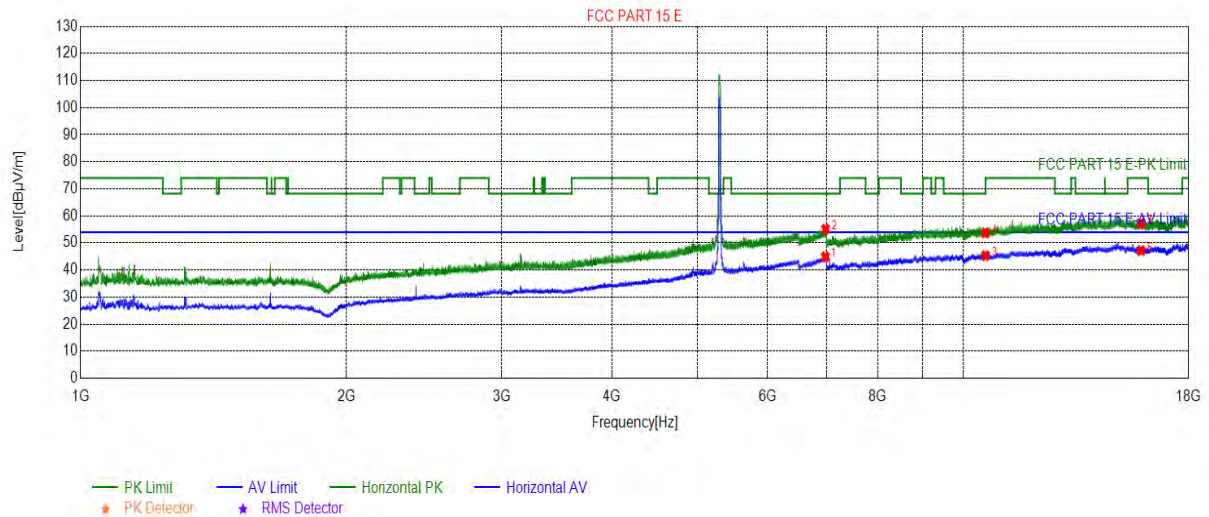
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4.9.2.9 802.11A_Channel CH60

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6978.999	44.89	21.37	54.00	9.11	123	242	Horizontal
2	6982.899	55.08	21.45	68.20	13.12	193	6	Horizontal
3	10600.00	45.32	-1.66	54.00	8.68	184	0	Horizontal
4	10600.00	53.69	-1.66	74.00	20.31	157	160	Horizontal
5	15900.00	57.25	1.46	74.00	16.75	152	240	Horizontal
6	15900.00	47.15	1.46	54.00	6.85	184	347	Horizontal

Final Data List

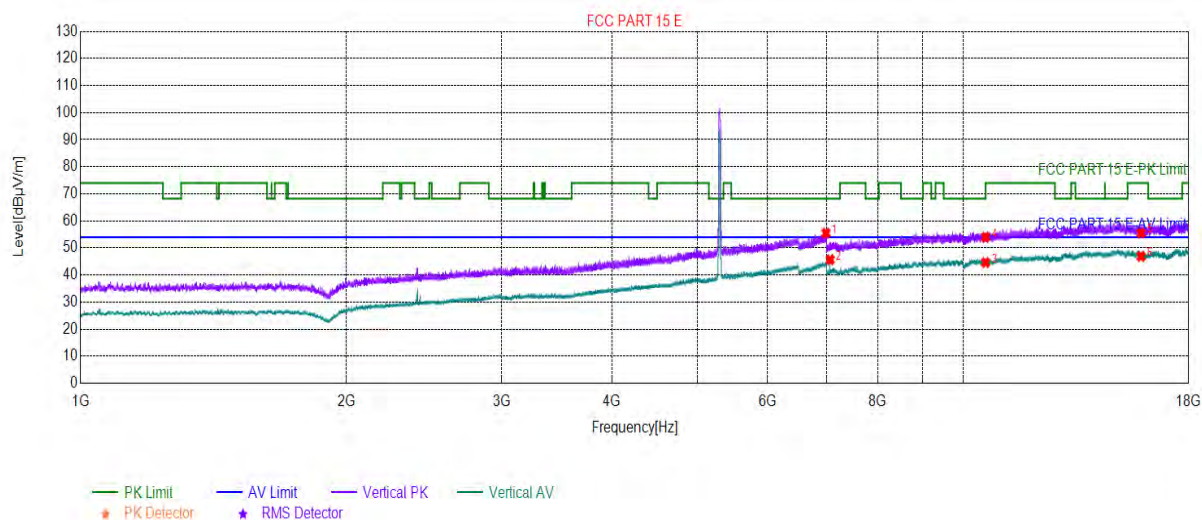


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4.9.2.10 802.11A_Channel CH60

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6990.099	55.47	21.59	68.20	12.73	183	239	Vertical
2	7066.442	45.66	-8.35	54.00	8.34	198	358	Vertical
3	10600.00	44.60	-1.66	54.00	9.40	245	62	Vertical
4	10600.00	54.01	-1.66	74.00	19.99	189	299	Vertical
5	15900.00	55.53	1.46	74.00	18.47	204	343	Vertical
6	15900.00	46.88	1.46	54.00	7.12	155	115	Vertical

Final Data List

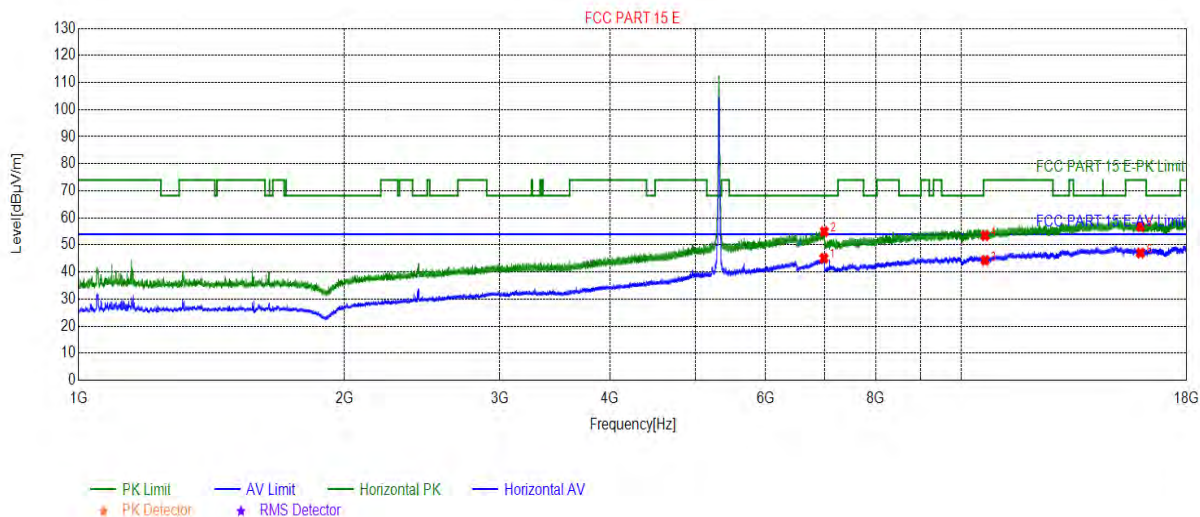


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4.9.2.11 802.11A_Channel CH64

Test Graph



Suspected List

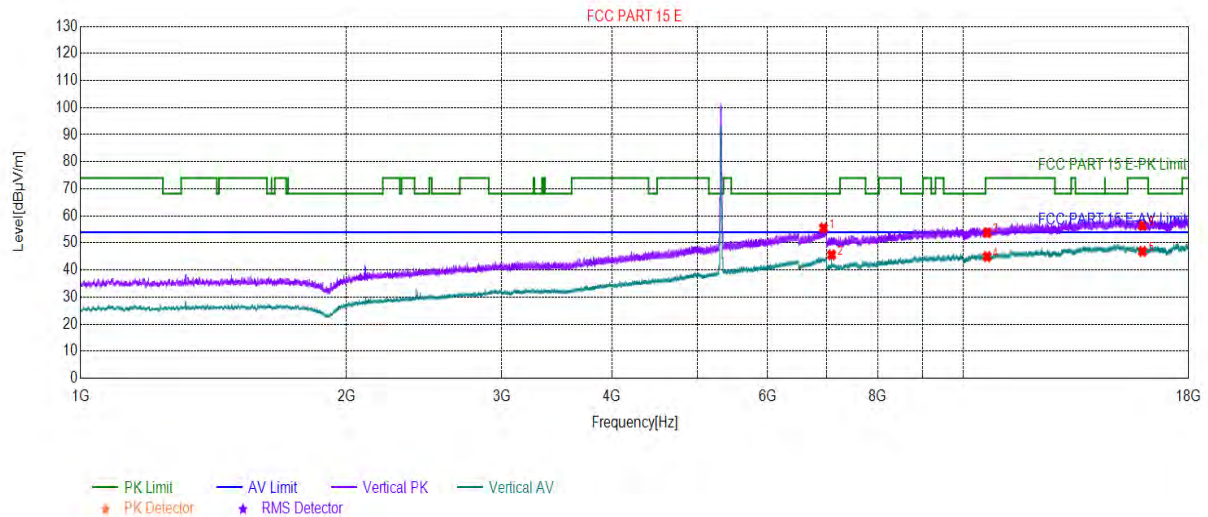
Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6989.199	45.09	21.57	54.00	8.91	199	201	Horizontal
2	6994.299	54.91	21.61	68.20	13.29	112	47	Horizontal
3	10640.00	44.32	-1.85	54.00	9.68	124	93	Horizontal
4	10640.00	53.45	-1.85	74.00	20.55	139	3	Horizontal
5	15960.00	56.80	0.90	74.00	17.20	196	171	Horizontal
6	15960.00	47.00	0.90	54.00	7.00	239	160	Horizontal

Final Data List



4.9.2.12 802.11A_Channel CH64

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6945.997	55.50	21.32	68.20	12.70	240	311	Vertical
2	7093.283	45.59	-8.15	54.00	8.41	262	0	Vertical
3	10640.00	53.78	-1.85	74.00	20.22	252	358	Vertical
4	10640.00	44.93	-1.85	54.00	9.07	201	143	Vertical
5	15960.00	46.86	0.90	54.00	7.14	158	172	Vertical
6	15960.00	56.46	0.90	74.00	17.54	221	74	Vertical

Final Data List

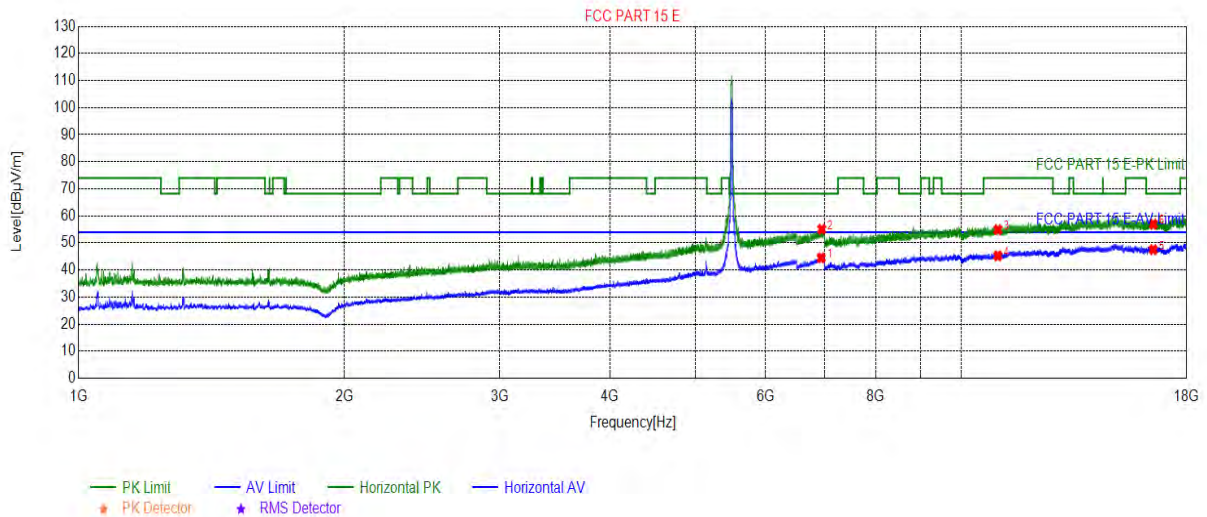


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4.9.2.13 802.11A_Channel CH100

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6940.297	44.48	21.47	54.00	9.52	184	50	Horizontal
2	6948.997	55.04	21.23	68.20	13.16	137	245	Horizontal
3	11000.00	54.89	-0.75	74.00	19.11	213	23	Horizontal
4	11000.00	45.24	-0.75	54.00	8.76	241	228	Horizontal
5	16500.00	47.53	0.43	54.00	6.47	195	256	Horizontal
6	16500.00	56.96	0.43	68.20	11.24	140	336	Horizontal

Final Data List



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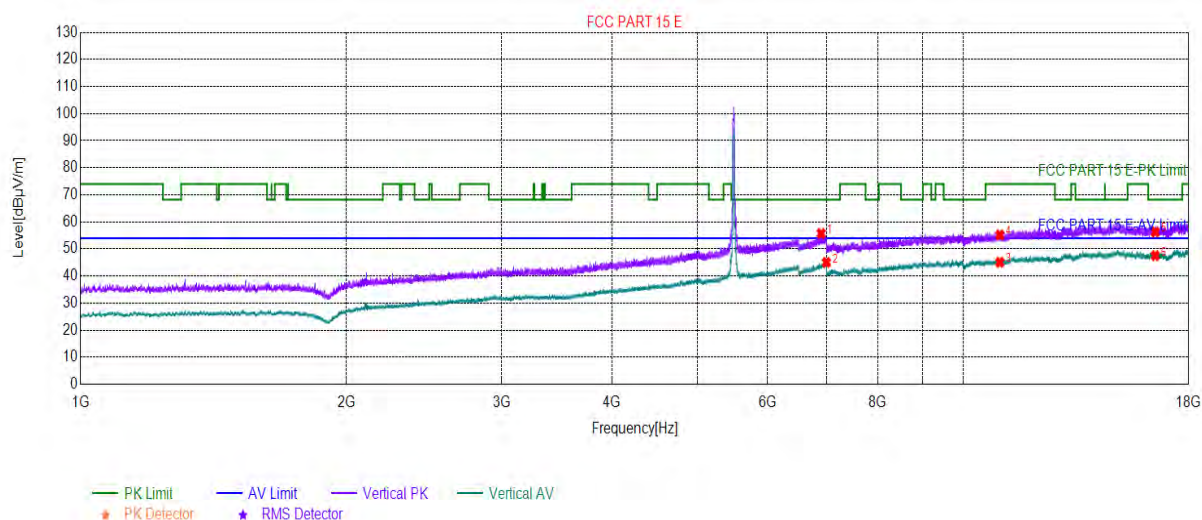
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4.9.2.14 802.11A_Channel CH100

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6901.895	55.73	21.48	68.20	12.47	180	79	Vertical
2	6997.299	45.02	21.63	54.00	8.98	237	2	Vertical
3	11000.00	45.06	-0.75	54.00	8.94	161	258	Vertical
4	11000.00	55.21	-0.75	74.00	18.79	162	36	Vertical
5	16500.00	56.26	0.43	68.20	11.94	210	270	Vertical
6	16500.00	47.53	0.43	54.00	6.47	240	100	Vertical

Final Data List

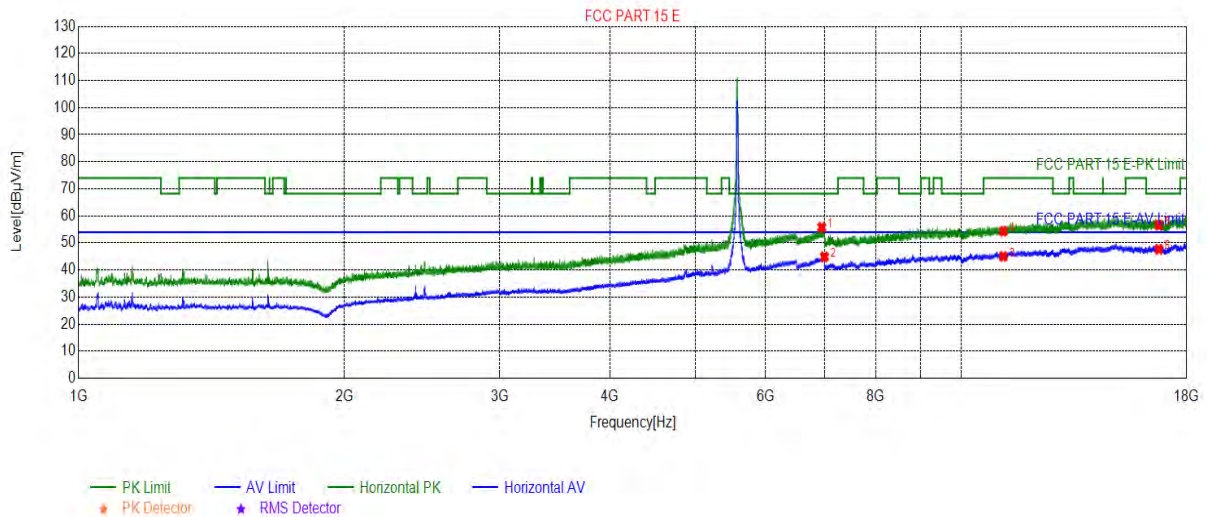


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4.9.2.15 802.11A_Channel CH116

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6948.697	55.74	21.24	68.20	12.46	216	318	Horizontal
2	6997.299	44.86	21.63	54.00	9.14	154	344	Horizontal
3	11160.00	45.01	-0.59	54.00	8.99	200	244	Horizontal
4	11160.00	54.33	-0.59	74.00	19.67	176	189	Horizontal
5	16740.00	56.57	0.86	68.20	11.63	193	261	Horizontal
6	16740.00	47.67	0.86	54.00	6.33	130	277	Horizontal

Final Data List



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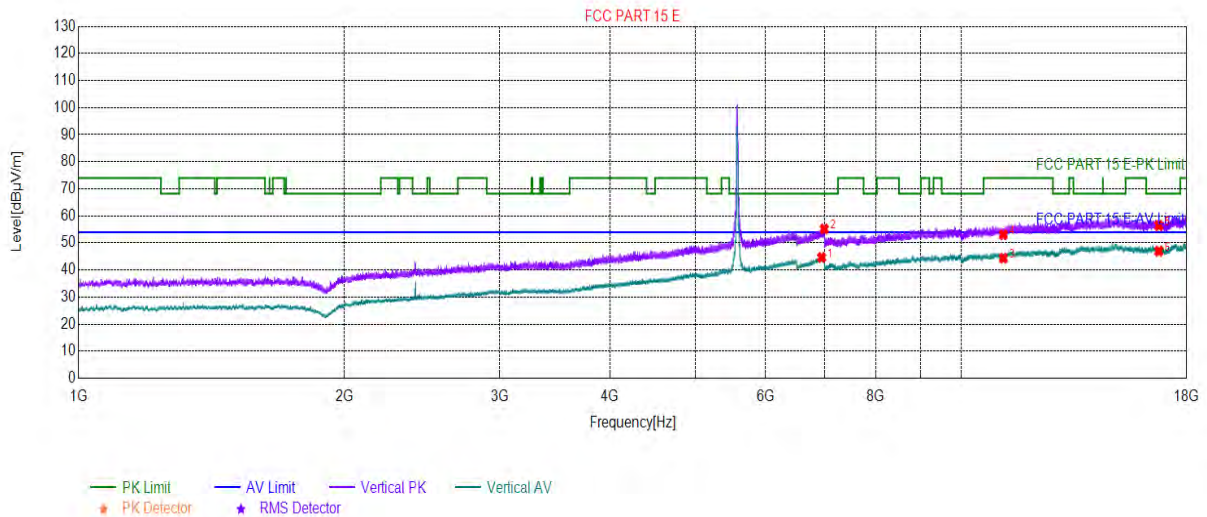
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4.9.2.16 802.11A_Channel CH116

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6947.797	44.66	21.27	54.00	9.34	228	227	Vertical
2	6995.199	55.16	21.62	68.20	13.04	164	130	Vertical
3	11160.00	44.37	-0.59	54.00	9.63	205	348	Vertical
4	11160.00	53.03	-0.59	74.00	20.97	186	193	Vertical
5	16740.00	56.41	0.86	68.20	11.79	256	310	Vertical
6	16740.00	46.98	0.86	54.00	7.02	156	337	Vertical

Final Data List



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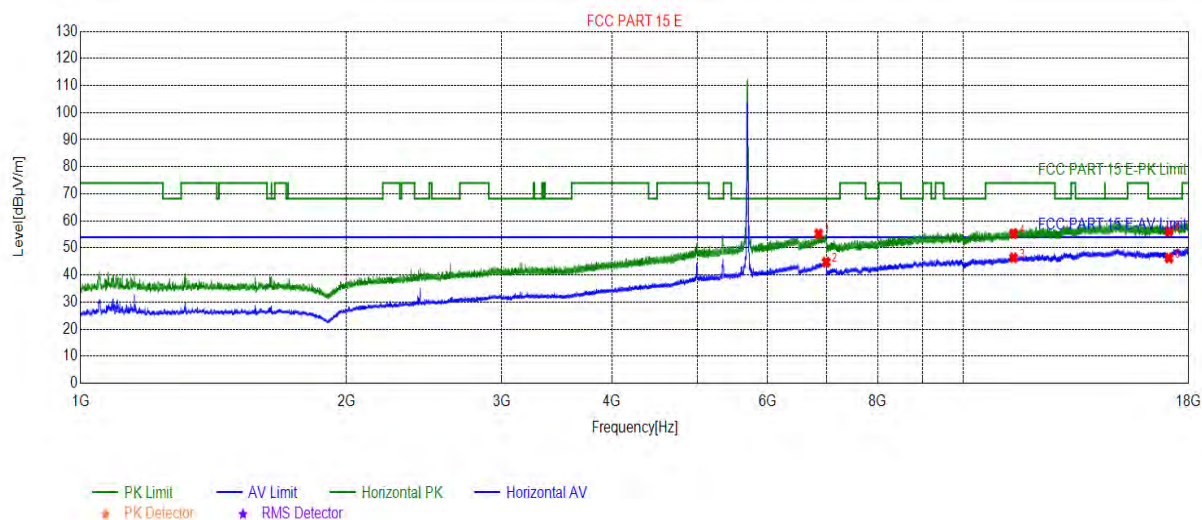
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4.9.2.17

802.11A_Channel CH140

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6857.792	55.21	21.40	68.20	12.99	160	35	Horizontal
2	6993.699	44.74	21.61	54.00	9.26	206	336	Horizontal
3	11400.00	46.35	-0.51	54.00	7.65	211	284	Horizontal
4	11400.00	55.29	-0.51	74.00	18.71	210	295	Horizontal
5	17100.00	56.22	-0.56	68.20	11.98	200	167	Horizontal
6	17100.00	46.28	-0.56	54.00	7.72	117	167	Horizontal

Final Data List

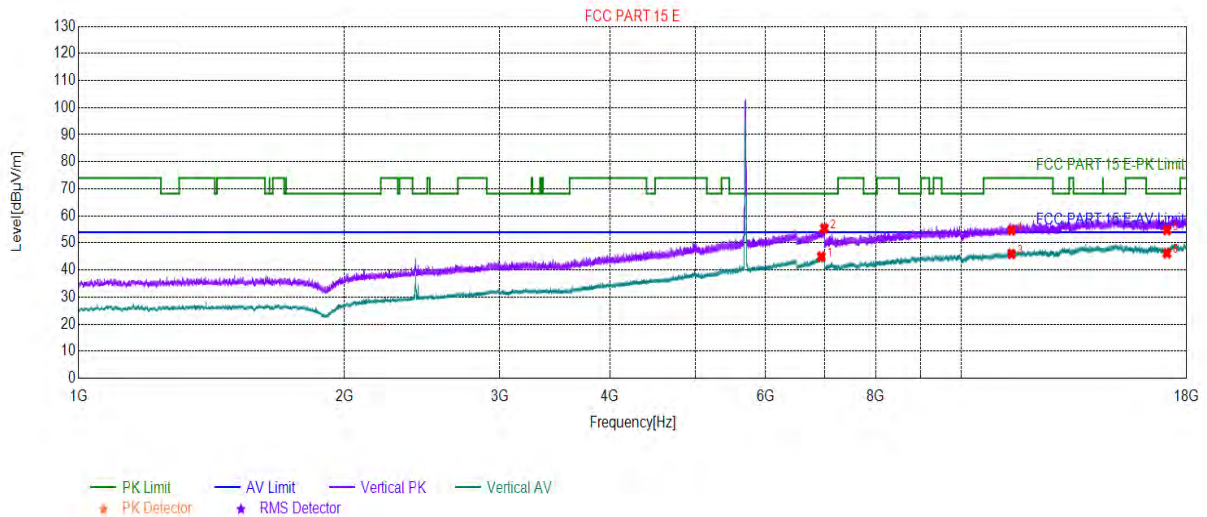


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4.9.2.18 802.11A_Channel CH140

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6940.597	44.95	21.46	54.00	9.05	279	154	Vertical
2	6994.899	55.38	21.61	68.20	12.82	170	165	Vertical
3	11400.00	45.95	-0.51	54.00	8.05	199	358	Vertical
4	11400.00	54.71	-0.51	74.00	19.29	178	173	Vertical
5	17100.00	54.75	-0.56	68.20	13.45	208	277	Vertical
6	17100.00	46.22	-0.56	54.00	7.78	239	282	Vertical

Final Data List



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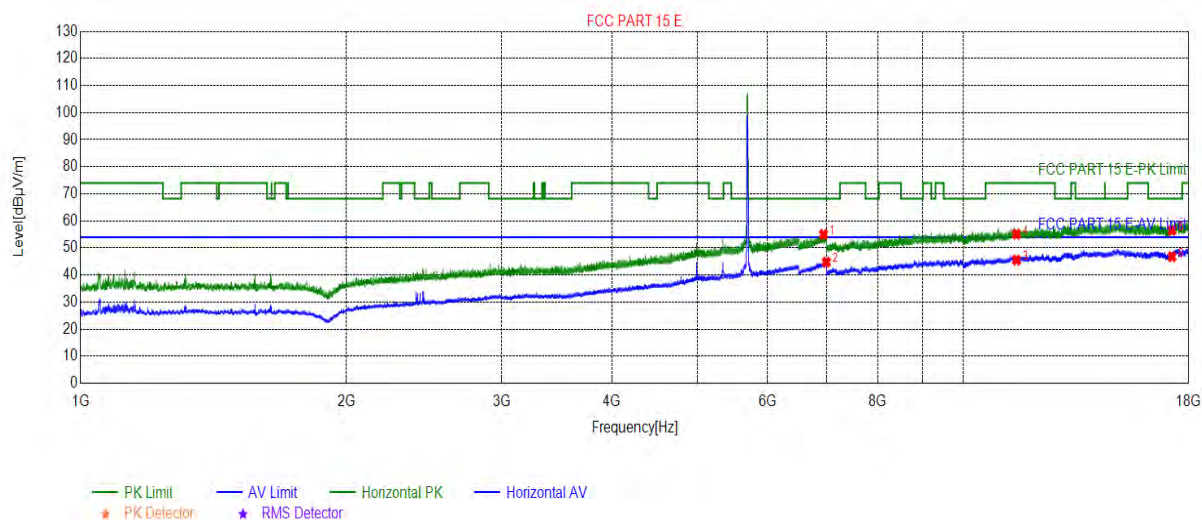
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4.9.2.19

802.11A_Channel CH149

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6946.297	54.98	21.31	68.20	13.22	122	132	Horizontal
2	6995.199	44.79	21.62	54.00	9.21	221	240	Horizontal
3	11490.00	45.50	-0.61	54.00	8.50	216	281	Horizontal
4	11490.00	55.07	-0.61	74.00	18.93	144	275	Horizontal
5	17235.00	56.49	0.35	68.20	11.71	234	100	Horizontal
6	17235.00	46.78	0.35	54.00	7.22	247	209	Horizontal

Final Data List

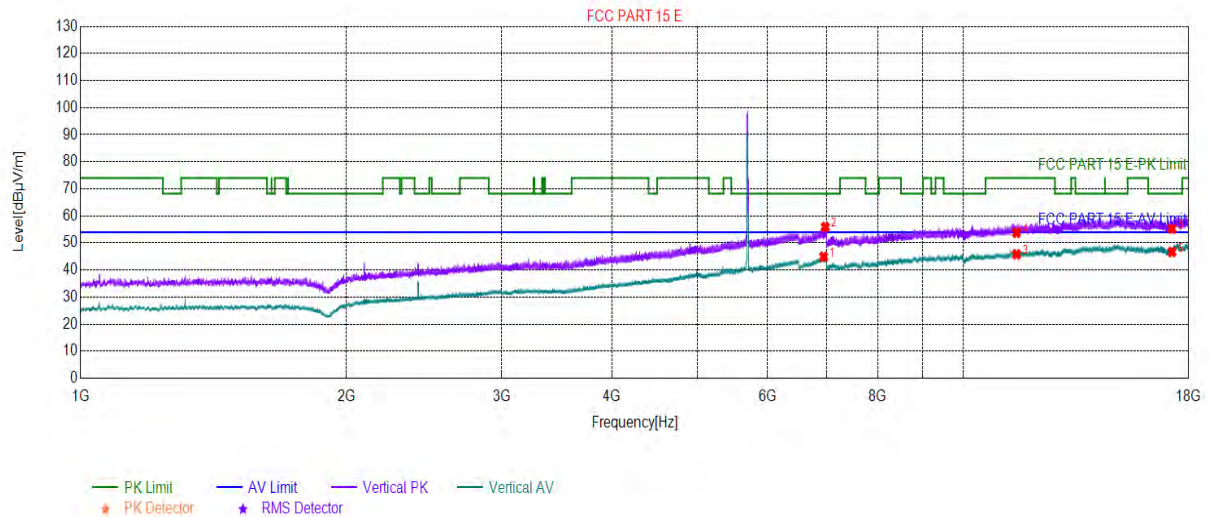


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4.9.2.20 802.11A_Channel CH149

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6947.197	44.88	21.28	54.00	9.12	229	242	Vertical
2	6978.098	55.87	21.35	68.20	12.33	283	185	Vertical
3	11490.00	45.77	-0.61	54.00	8.23	244	63	Vertical
4	11490.00	53.80	-0.61	74.00	20.20	218	14	Vertical
5	17235.00	55.29	0.35	68.20	12.91	231	173	Vertical
6	17235.00	46.68	0.35	54.00	7.32	203	336	Vertical

Final Data List



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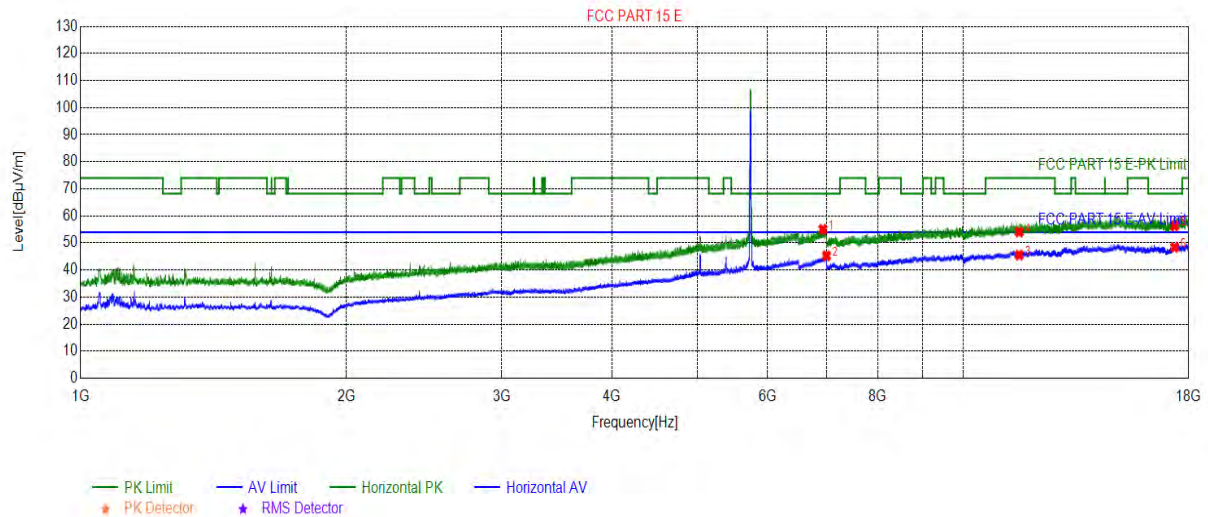
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4.9.2.21 802.11A_Channel CH157

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6933.096	54.99	21.44	68.20	13.21	221	179	Horizontal
2	6999.100	45.24	21.64	54.00	8.76	188	277	Horizontal
3	11570.00	45.52	-0.41	54.00	8.48	213	157	Horizontal
4	11570.00	54.05	-0.41	74.00	19.95	150	249	Horizontal
5	17355.00	56.28	1.22	68.20	11.92	111	358	Horizontal
6	17355.00	48.39	1.22	54.00	5.61	104	102	Horizontal

Final Data List

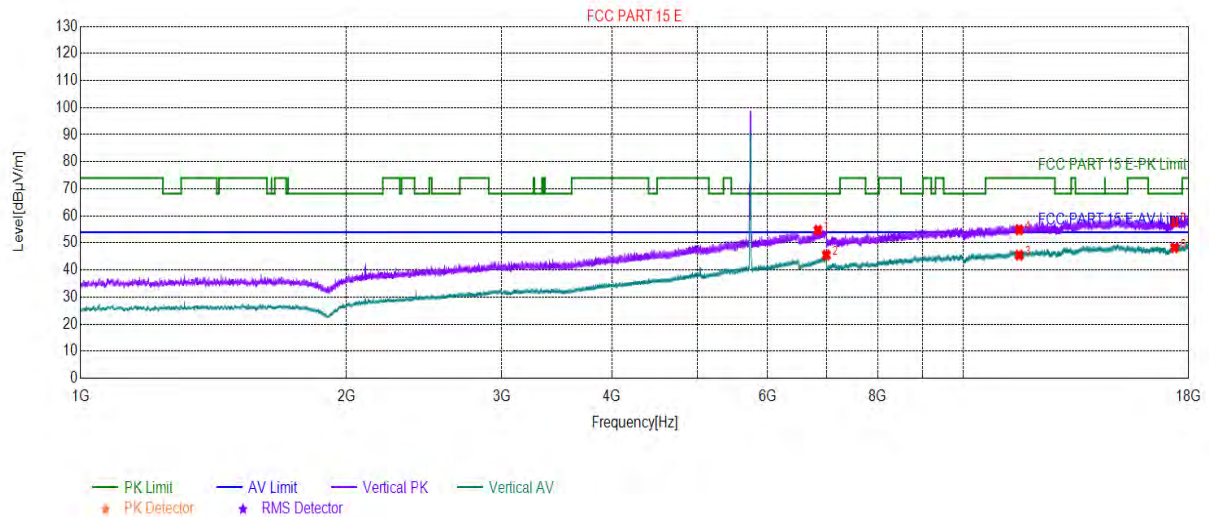


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4.9.2.22 802.11A_Channel CH157

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6844.292	54.73	21.44	68.20	13.47	198	106	Vertical
2	6996.099	45.52	21.62	54.00	8.48	255	86	Vertical
3	11570.00	45.49	-0.41	54.00	8.51	242	212	Vertical
4	11570.00	54.85	-0.41	74.00	19.15	283	134	Vertical
5	17355.00	57.76	1.22	68.20	10.44	251	343	Vertical
6	17355.00	48.24	1.22	54.00	5.76	248	34	Vertical

Final Data List



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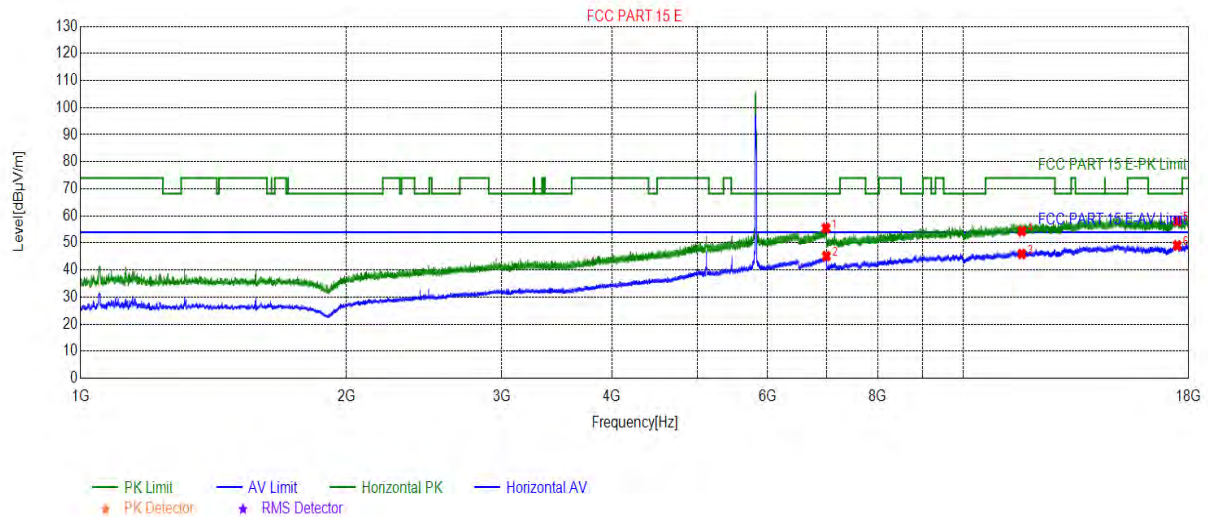
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4.9.2.23 802.11A_Channel CH165

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6990.099	55.46	21.59	68.20	12.74	220	298	Horizontal
2	6996.699	45.12	21.62	54.00	8.88	183	104	Horizontal
3	11650.00	45.94	0.03	54.00	8.06	167	120	Horizontal
4	11650.00	54.33	0.03	74.00	19.67	123	70	Horizontal
5	17475.00	58.06	1.66	68.20	10.14	168	42	Horizontal
6	17475.00	49.07	1.66	54.00	4.93	195	31	Horizontal

Final Data List



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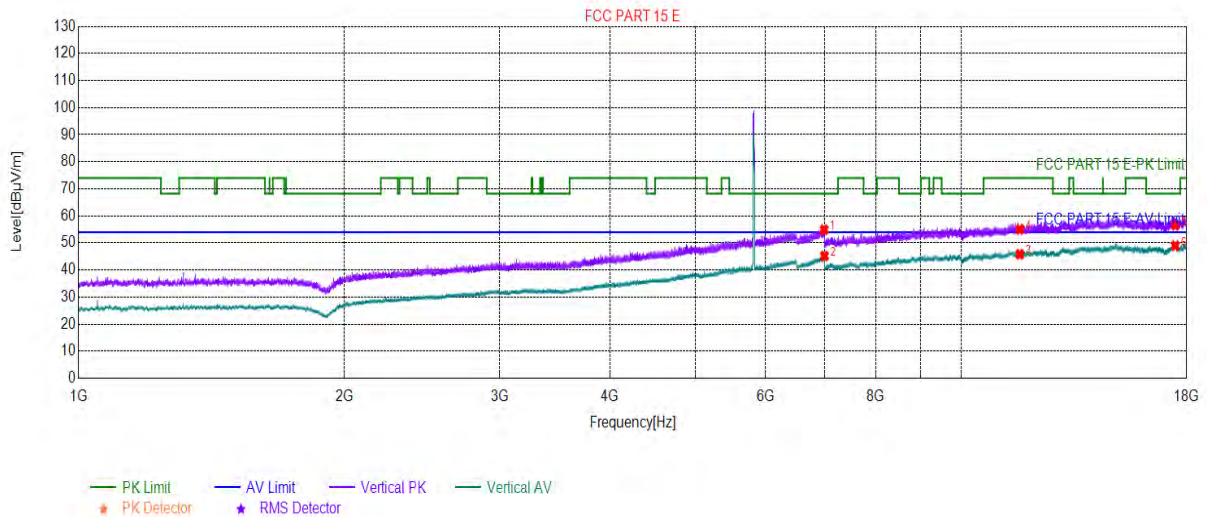
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4.9.2.24 802.11A_Channel CH165

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6993.699	54.85	21.61	68.20	13.35	266	151	Vertical
2	6997.599	45.19	21.63	54.00	8.81	224	203	Vertical
3	11650.00	45.79	0.03	54.00	8.21	166	222	Vertical
4	11650.00	55.03	0.03	74.00	18.97	184	96	Vertical
5	17475.00	56.56	1.66	68.20	11.64	243	6	Vertical
6	17475.00	48.98	1.66	54.00	5.02	244	123	Vertical

Final Data List



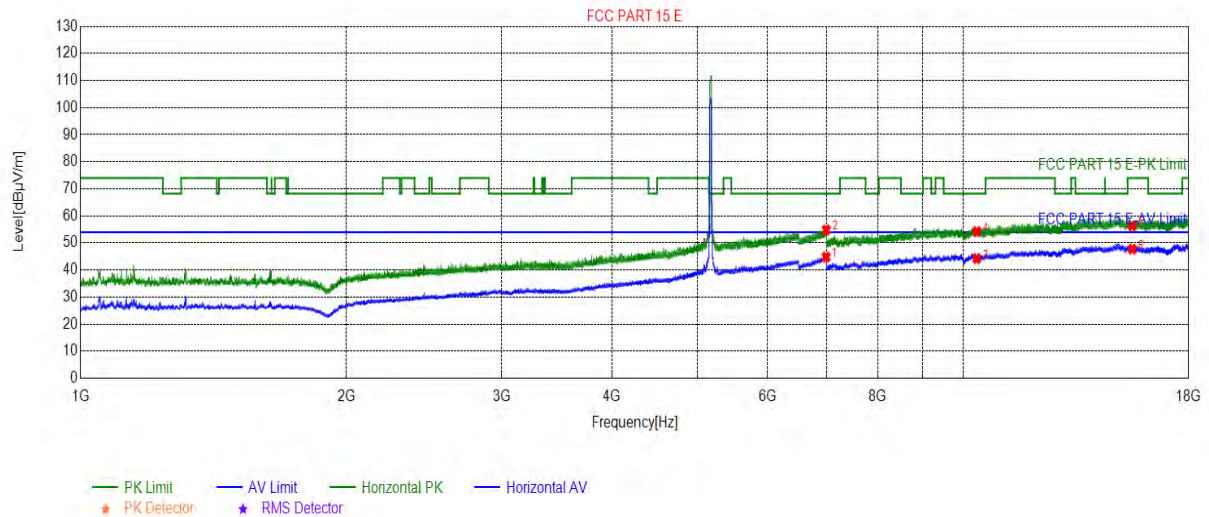
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4.9.2.25 802.11N20_Channel CH36

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6992.499	44.82	21.60	54.00	9.18	146	77	Horizontal
2	6994.899	54.79	21.61	68.20	13.41	159	211	Horizontal
3	10360.00	44.25	-2.34	54.00	9.75	152	358	Horizontal
4	10360.00	54.22	-2.34	68.20	13.98	201	170	Horizontal
5	15540.00	56.23	2.07	74.00	17.77	147	9	Horizontal
6	15540.00	47.73	2.07	54.00	6.27	183	131	Horizontal

Final Data List



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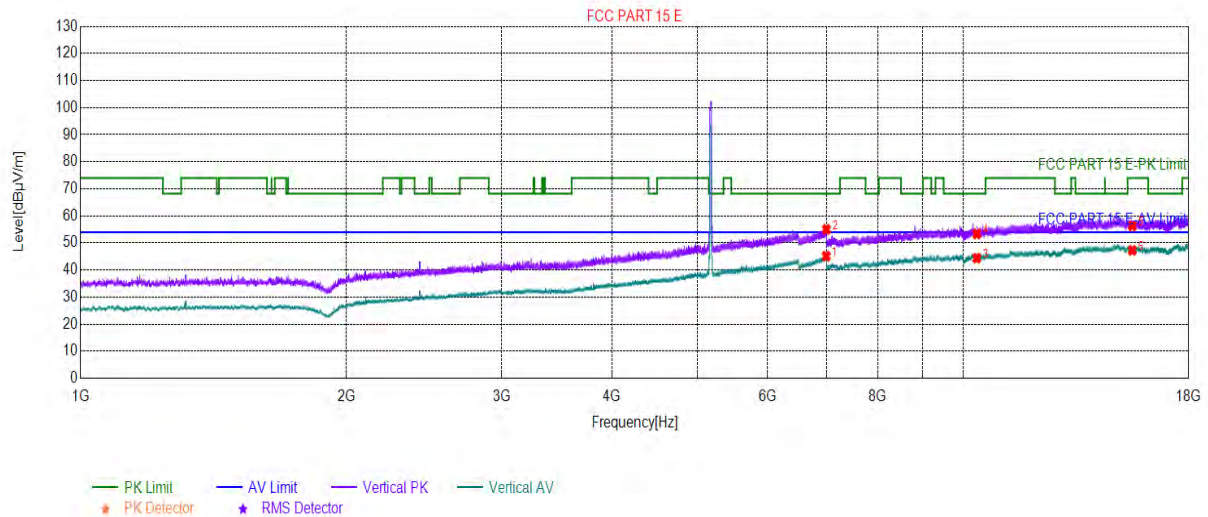
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4.9.2.26 802.11N20_Channel CH36

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6993.999	45.12	21.61	54.00	8.88	154	263	Vertical
2	6997.299	54.99	21.63	68.20	13.21	222	108	Vertical
3	10360.00	44.38	-2.34	54.00	9.62	251	247	Vertical
4	10360.00	53.35	-2.34	68.20	14.85	263	114	Vertical
5	15540.00	56.30	2.07	74.00	17.70	160	71	Vertical
6	15540.00	47.26	2.07	54.00	6.74	198	347	Vertical

Final Data List



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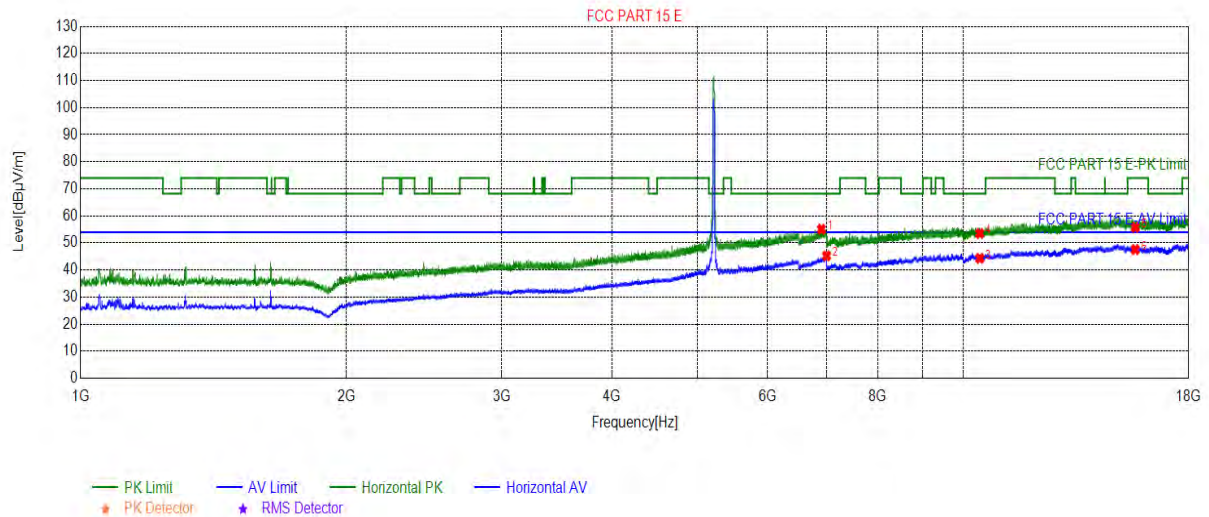
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4.9.2.27 802.11N20_Channel CH44

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6907.295	55.08	21.27	68.20	13.12	187	240	Horizontal
2	7000.000	45.23	21.64	54.00	8.77	236	89	Horizontal
3	10440.00	44.30	-2.02	54.00	9.70	193	58	Horizontal
4	10440.00	53.51	-2.02	68.20	14.69	197	111	Horizontal
5	15660.00	55.74	1.53	74.00	18.26	226	31	Horizontal
6	15660.00	47.55	1.53	54.00	6.45	203	122	Horizontal

Final Data List



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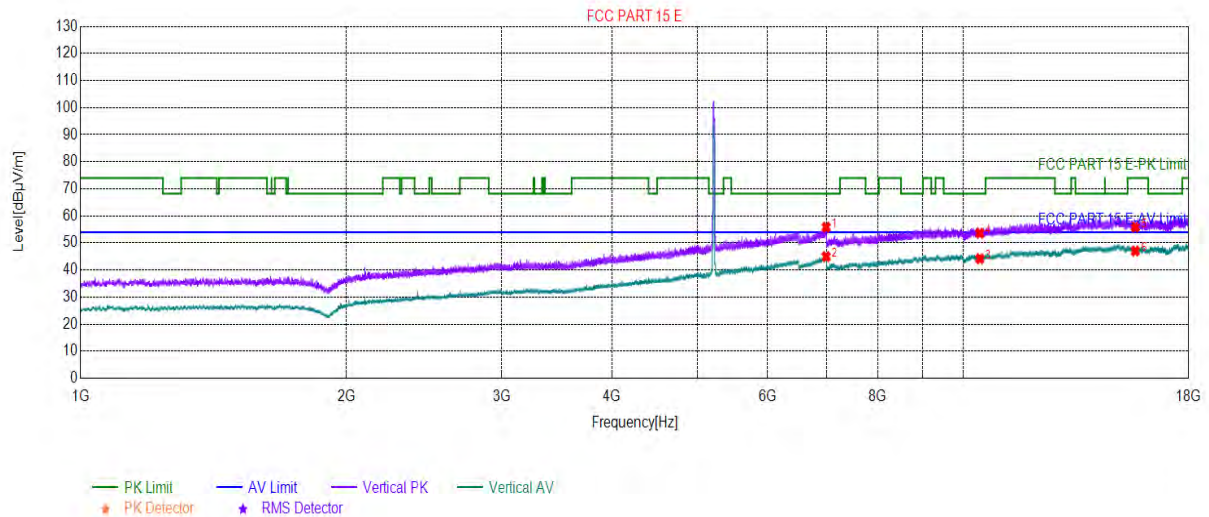
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4.9.2.28 802.11N20_Channel CH44

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6992.499	55.81	21.60	68.20	12.39	280	266	Vertical
2	6992.799	44.94	21.60	54.00	9.06	267	6	Vertical
3	10440.00	44.16	-2.02	54.00	9.84	279	232	Vertical
4	10440.00	53.59	-2.02	68.20	14.61	244	315	Vertical
5	15660.00	55.83	1.53	74.00	18.17	192	358	Vertical
6	15660.00	47.01	1.53	54.00	6.99	258	14	Vertical

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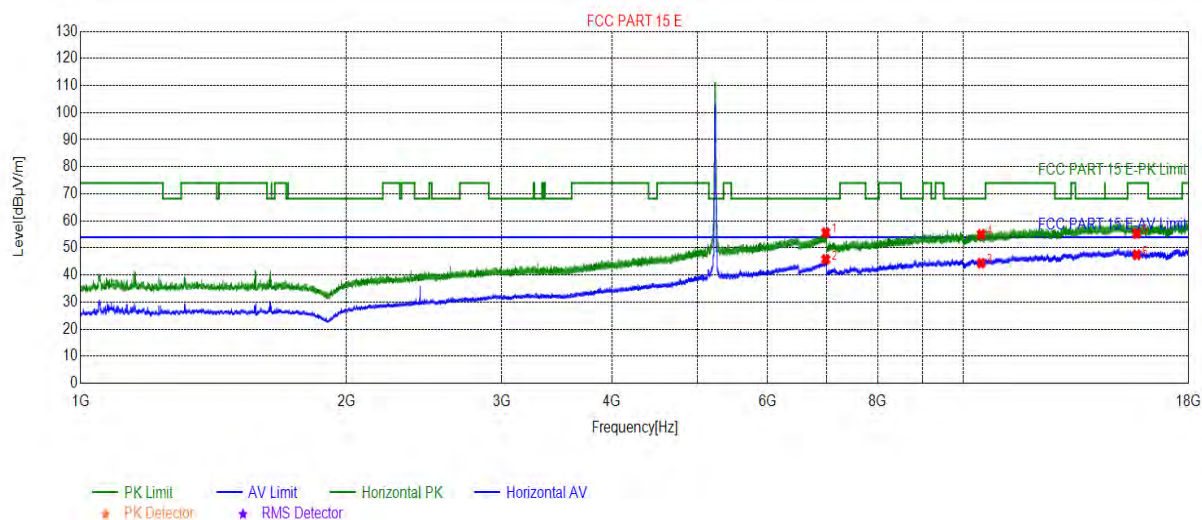
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4.9.2.29

802.11N20_Channel CH48

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6986.499	55.61	21.52	68.20	12.59	212	94	Horizontal
2	6986.799	45.74	21.53	54.00	8.26	147	141	Horizontal
3	10480.00	44.37	-1.93	54.00	9.63	109	206	Horizontal
4	10480.00	54.98	-1.93	68.20	13.22	178	211	Horizontal
5	15720.00	55.34	1.46	74.00	18.66	151	304	Horizontal
6	15720.00	47.49	1.46	54.00	6.51	217	309	Horizontal

Final Data List

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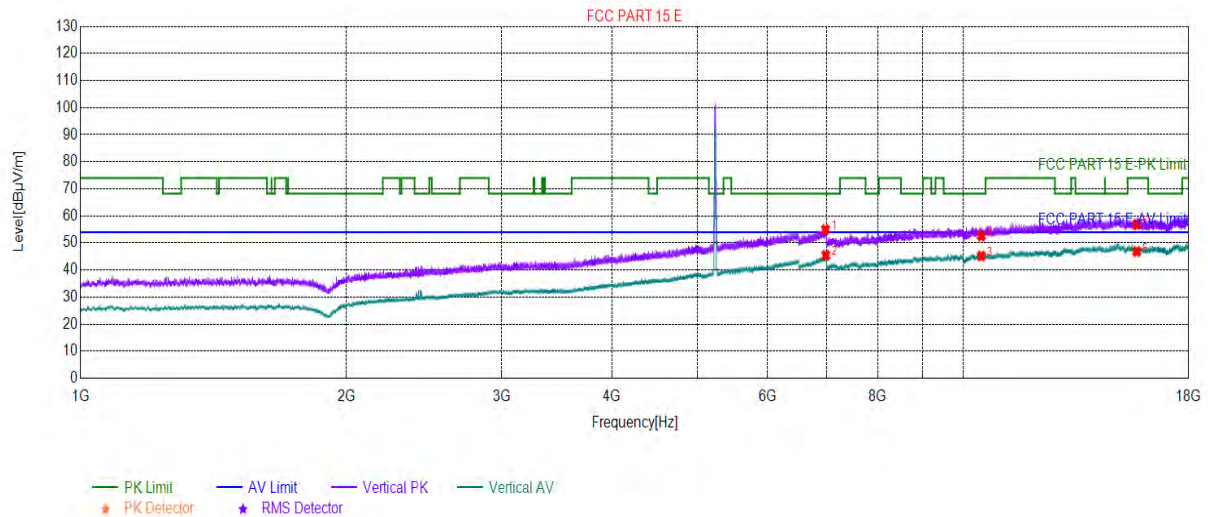
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4.9.2.30 802.11N20_Channel CH48

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6981.099	54.91	21.41	68.20	13.29	266	105	Vertical
2	6987.099	45.44	21.53	54.00	8.56	194	2	Vertical
3	10480.00	45.19	-1.93	54.00	8.81	228	193	Vertical
4	10480.00	52.58	-1.93	68.20	15.62	248	222	Vertical
5	15720.00	56.84	1.46	74.00	17.16	254	50	Vertical
6	15720.00	46.84	1.46	54.00	7.16	225	222	Vertical

Final Data List



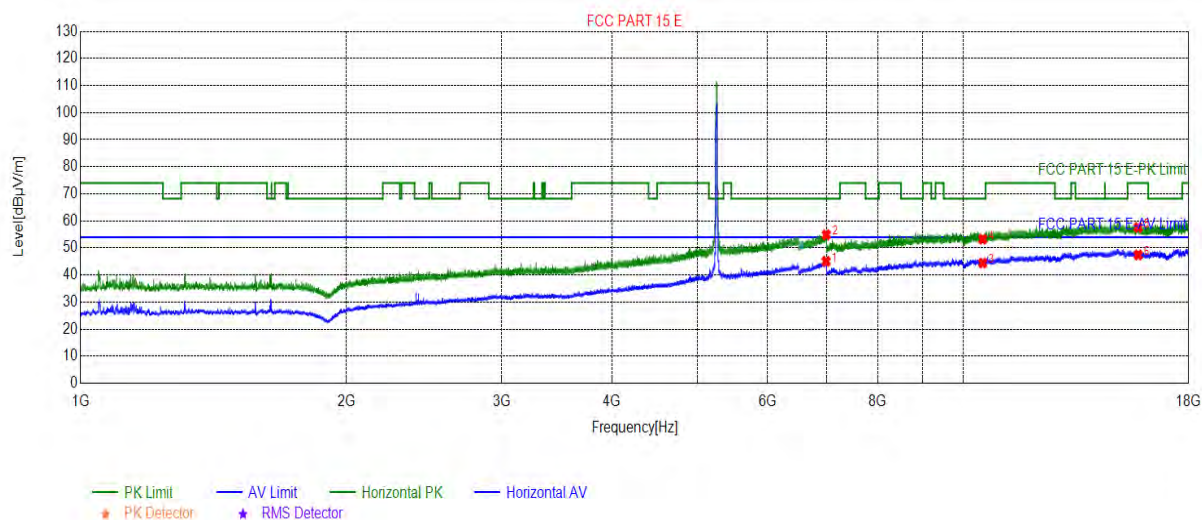
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4.9.2.31

802.11N20_Channel CH52

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6991.899	45.04	21.60	54.00	8.96	186	292	Horizontal
2	6994.599	54.84	21.61	68.20	13.36	212	335	Horizontal
3	10520.00	44.43	-1.91	54.00	9.57	140	54	Horizontal
4	10520.00	53.23	-1.91	68.20	14.97	119	265	Horizontal
5	15780.00	57.59	1.54	74.00	16.41	158	9	Horizontal
6	15780.00	47.42	1.54	54.00	6.58	236	153	Horizontal

Final Data List



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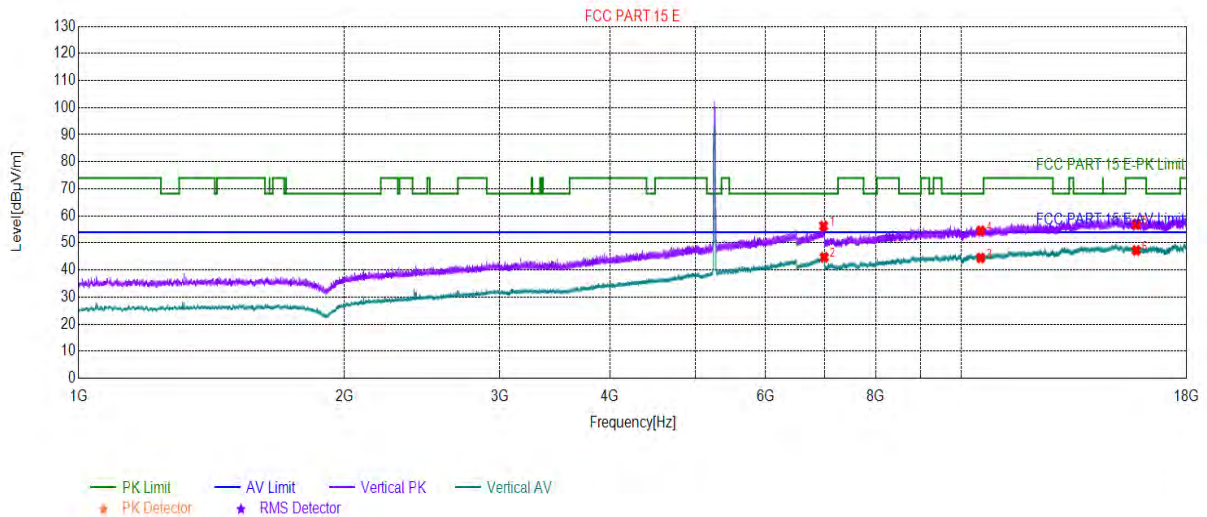
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4.9.2.32 802.11N20_Channel CH52

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6983.499	56.28	21.46	68.20	11.92	231	221	Vertical
2	6993.699	44.69	21.61	54.00	9.31	294	169	Vertical
3	10520.00	44.48	-1.91	54.00	9.52	232	321	Vertical
4	10520.00	54.49	-1.91	68.20	13.71	258	348	Vertical
5	15780.00	56.85	1.54	74.00	17.15	279	310	Vertical
6	15780.00	47.21	1.54	54.00	6.79	286	244	Vertical

Final Data List



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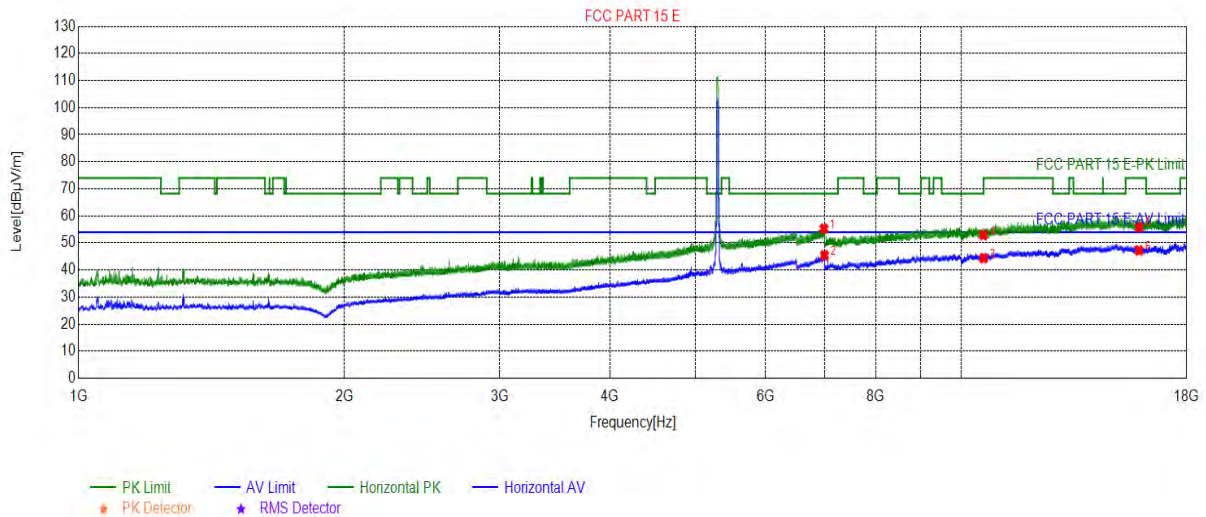
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4.9.2.33 802.11N20_Channel CH60

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6988.599	55.27	21.56	68.20	12.93	199	323	Horizontal
2	6998.199	45.41	21.63	54.00	8.59	179	163	Horizontal
3	10600.00	44.37	-1.66	54.00	9.63	138	15	Horizontal
4	10600.00	52.93	-1.66	74.00	21.07	229	256	Horizontal
5	15900.00	55.87	1.46	74.00	18.13	180	358	Horizontal
6	15900.00	47.21	1.46	54.00	6.79	244	0	Horizontal

Final Data List



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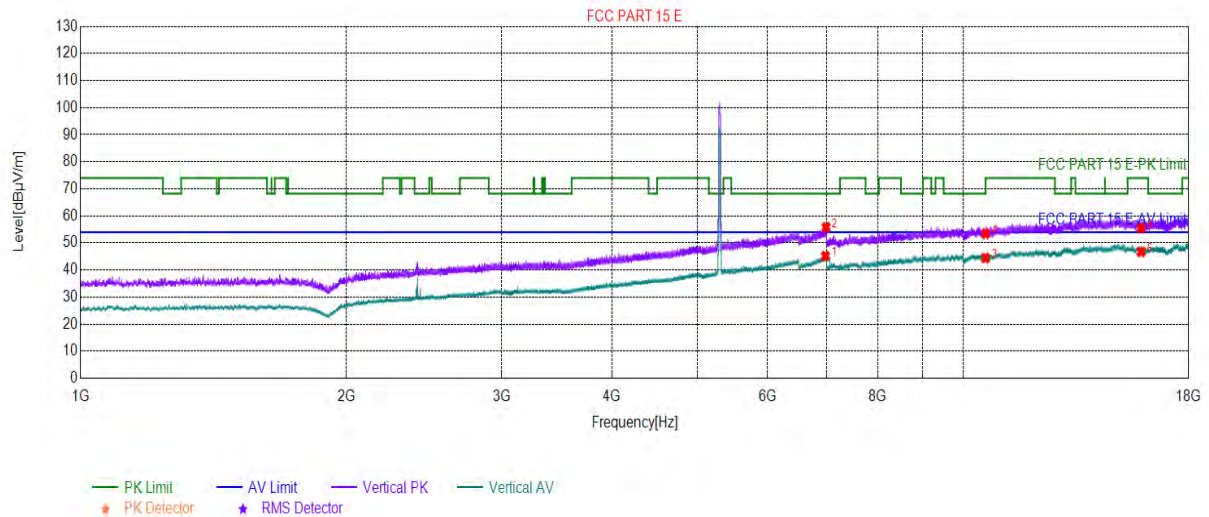
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4.9.2.34 802.11N20_Channel CH60

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6980.499	45.18	21.40	54.00	8.82	160	218	Vertical
2	6991.899	55.76	21.60	68.20	12.44	216	105	Vertical
3	10600.00	44.43	-1.66	54.00	9.57	192	24	Vertical
4	10600.00	53.45	-1.66	74.00	20.55	264	330	Vertical
5	15900.00	55.46	1.46	74.00	18.54	171	45	Vertical
6	15900.00	46.72	1.46	54.00	7.28	162	320	Vertical

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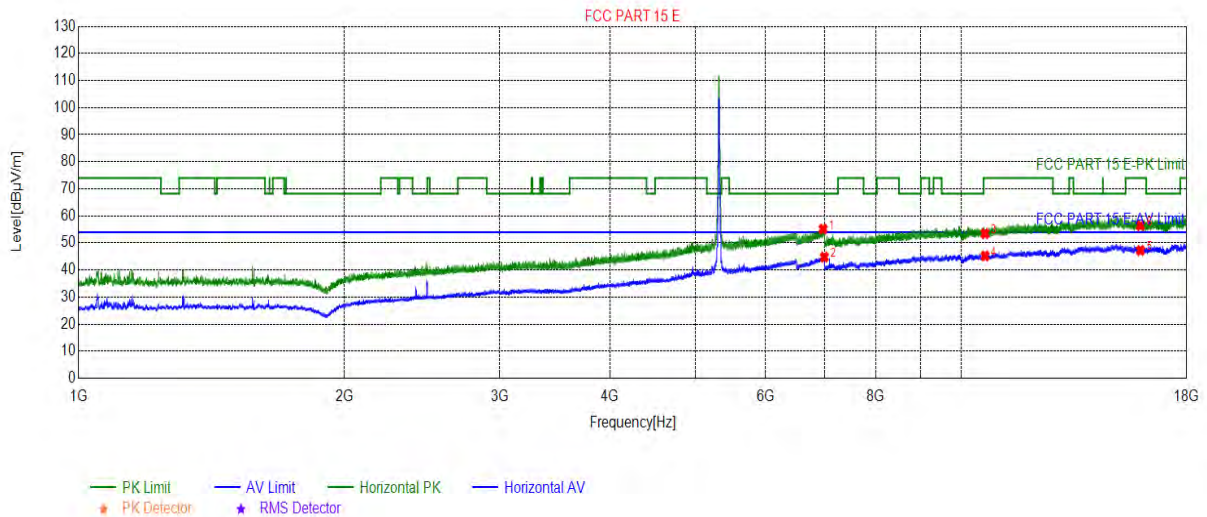
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4.9.2.35 802.11N20_Channel CH64

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6974.198	55.14	21.27	68.20	13.06	176	360	Horizontal
2	6994.899	44.80	21.61	54.00	9.20	157	276	Horizontal
3	10640.00	53.45	-1.85	74.00	20.55	187	78	Horizontal
4	10640.00	45.21	-1.85	54.00	8.79	139	282	Horizontal
5	15960.00	47.23	0.90	54.00	6.77	121	271	Horizontal
6	15960.00	56.42	0.90	74.00	17.58	105	128	Horizontal

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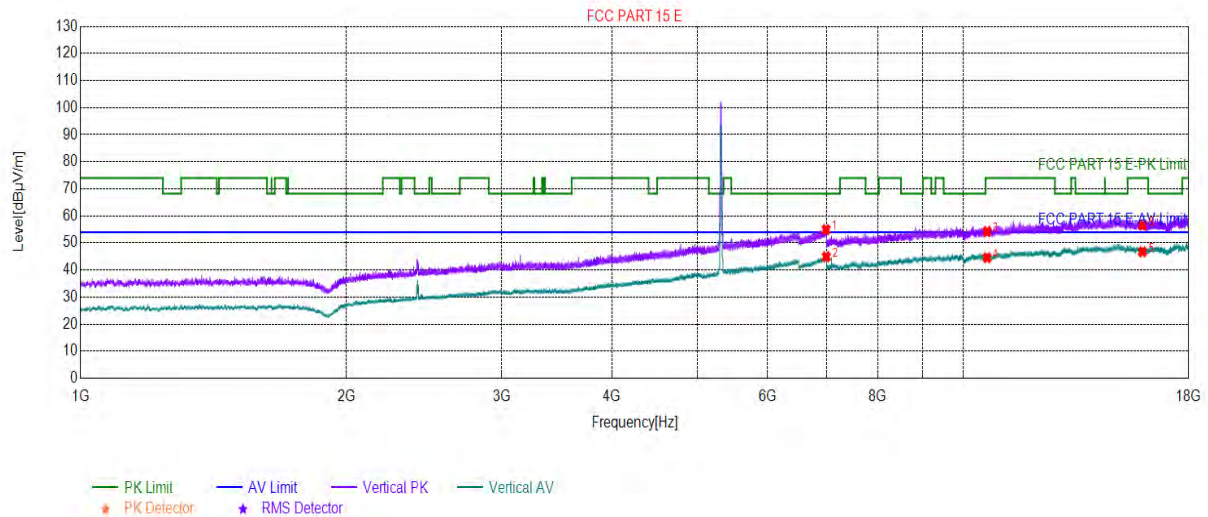
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4.9.2.36 802.11N20_Channel CH64

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6992.199	54.90	21.60	68.20	13.30	252	220	Vertical
2	6994.899	44.89	21.61	54.00	9.11	191	126	Vertical
3	10640.00	54.24	-1.85	74.00	19.76	239	245	Vertical
4	10640.00	44.56	-1.85	54.00	9.44	178	88	Vertical
5	15960.00	46.73	0.90	54.00	7.27	273	349	Vertical
6	15960.00	56.57	0.90	74.00	17.43	225	240	Vertical

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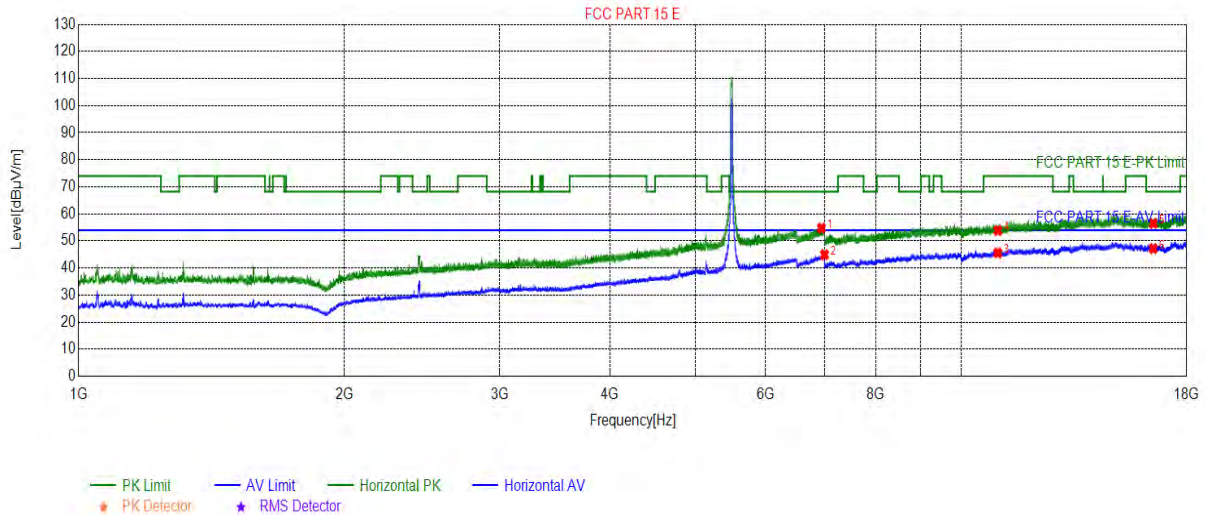
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4.9.2.37 802.11N20_Channel CH100

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6942.997	54.76	21.40	68.20	13.44	155	256	Horizontal
2	6999.100	44.91	21.64	54.00	9.09	233	339	Horizontal
3	11000.00	45.59	-0.75	54.00	8.41	197	106	Horizontal
4	11000.00	53.83	-0.75	74.00	20.17	202	112	Horizontal
5	16500.00	56.43	0.43	68.20	11.77	210	157	Horizontal
6	16500.00	47.18	0.43	54.00	6.82	209	162	Horizontal

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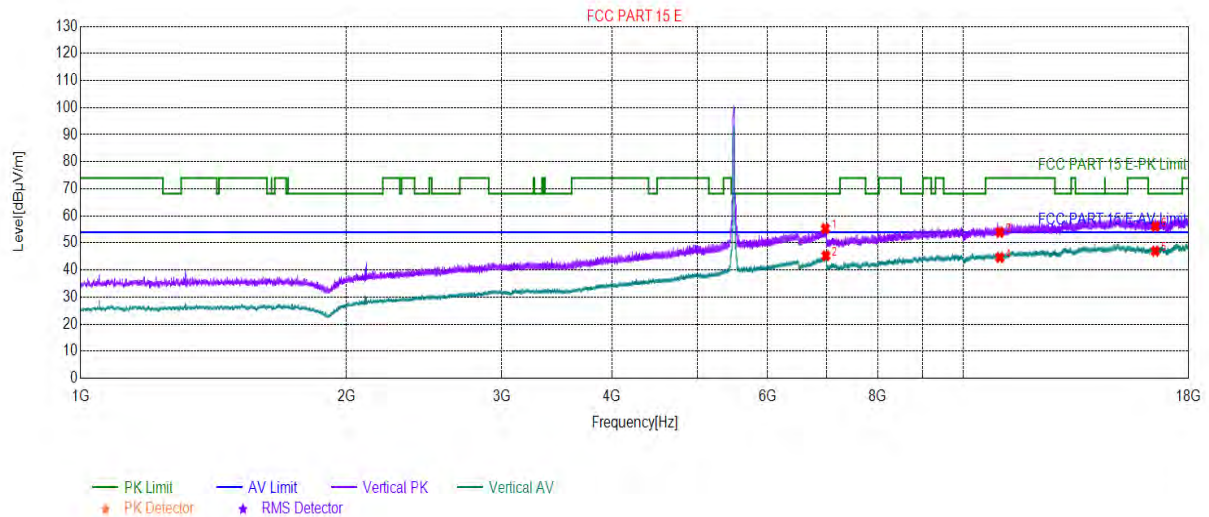
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4.9.2.38 802.11N20_Channel CH100

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6979.899	55.31	21.39	68.20	12.89	266	100	Vertical
2	6987.999	45.25	21.55	54.00	8.75	240	360	Vertical
3	11000.00	53.92	-0.75	74.00	20.08	223	331	Vertical
4	11000.00	44.63	-0.75	54.00	9.37	166	194	Vertical
5	16500.00	46.98	0.43	54.00	7.02	267	221	Vertical
6	16500.00	56.07	0.43	68.20	12.13	274	200	Vertical

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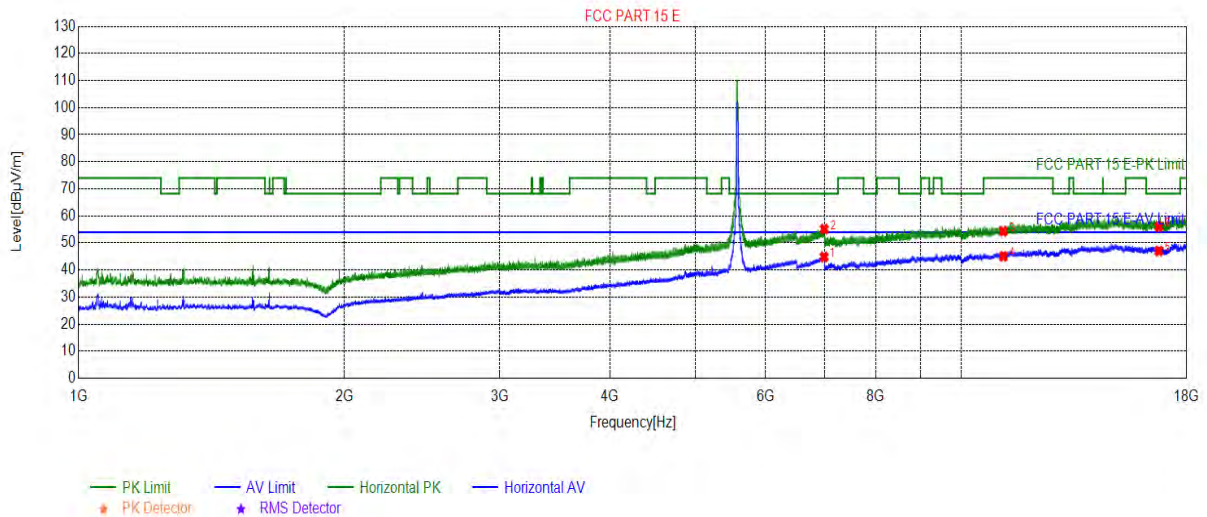
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4.9.2.39 802.11N20_Channel CH116

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6991.899	44.84	21.60	54.00	9.16	136	123	Horizontal
2	6994.599	55.10	21.61	68.20	13.10	164	237	Horizontal
3	11160.00	54.30	-0.59	74.00	19.70	235	331	Horizontal
4	11160.00	45.05	-0.59	54.00	8.95	158	275	Horizontal
5	16740.00	46.99	0.86	54.00	7.01	168	112	Horizontal
6	16740.00	55.96	0.86	68.20	12.24	137	78	Horizontal

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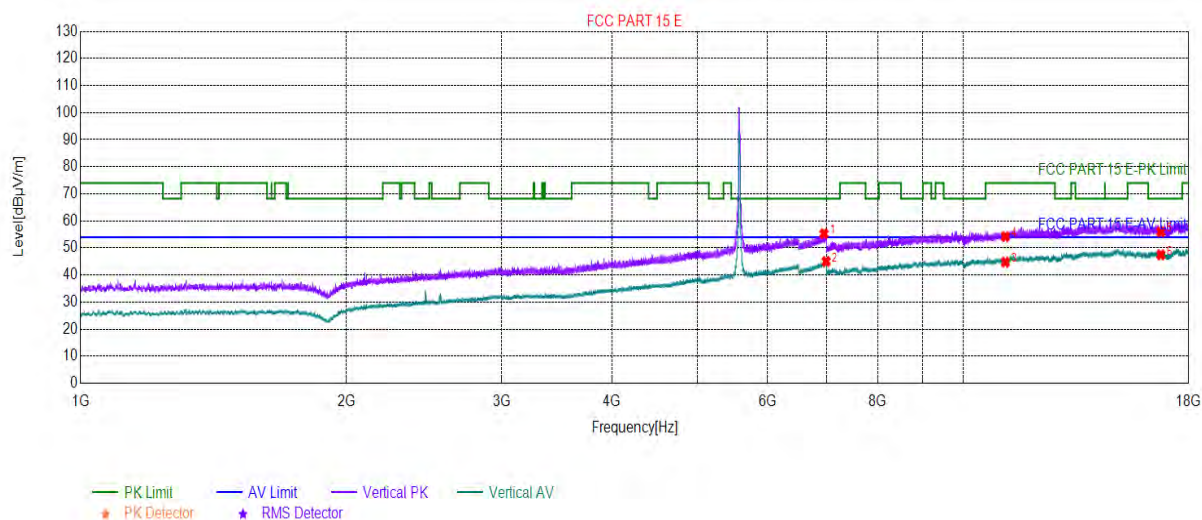
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4.9.2.40

802.11N20_Channel CH116

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6954.097	55.26	21.16	68.20	12.94	292	329	Vertical
2	6993.099	45.02	21.61	54.00	8.98	222	256	Vertical
3	11160.00	44.76	-0.59	54.00	9.24	186	210	Vertical
4	11160.00	54.21	-0.59	74.00	19.79	165	104	Vertical
5	16740.00	55.97	0.86	68.20	12.23	233	260	Vertical
6	16740.00	47.48	0.86	54.00	6.52	293	348	Vertical

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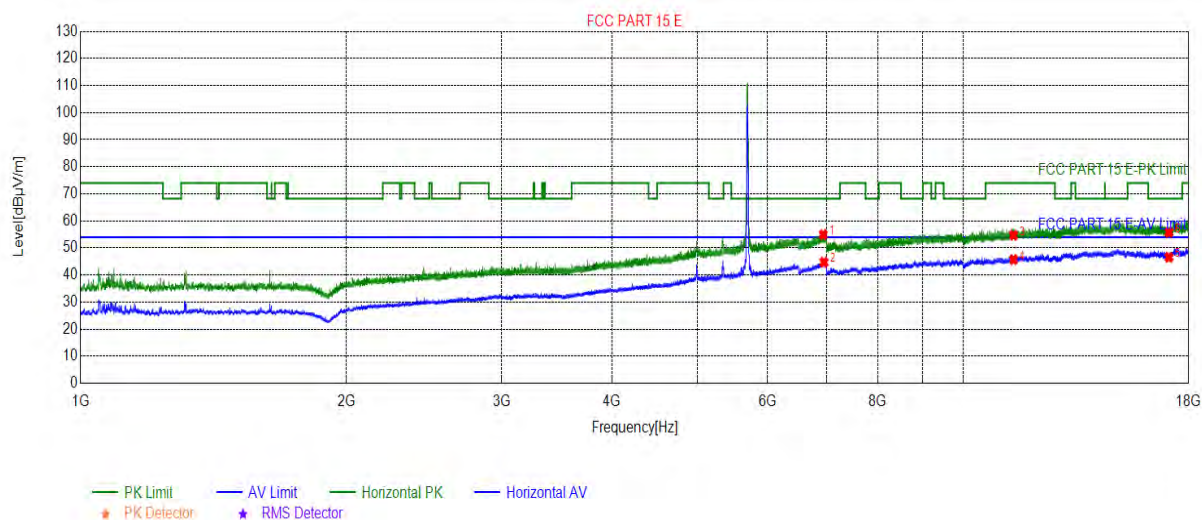
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4.9.2.41 802.11N20_Channel CH140

Test Graph



Suspected List

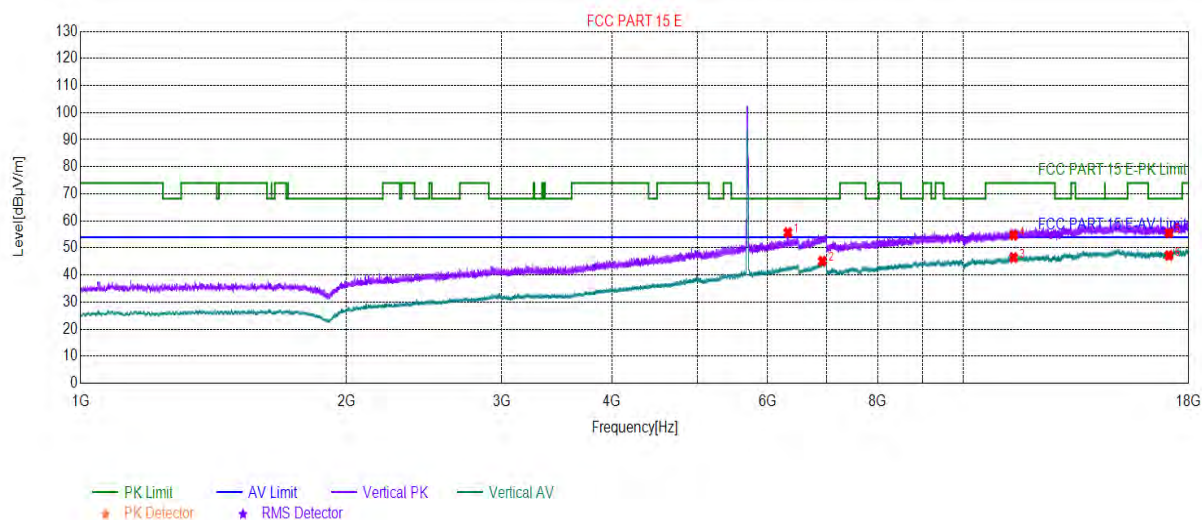
Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6938.796	54.92	21.47	68.20	13.28	159	76	Horizontal
2	6953.797	44.74	21.16	54.00	9.26	175	117	Horizontal
3	11400.00	54.65	-0.51	74.00	19.35	138	186	Horizontal
4	11400.00	45.70	-0.51	54.00	8.30	171	192	Horizontal
5	17100.00	46.55	-0.56	54.00	7.45	241	276	Horizontal
6	17100.00	55.77	-0.56	68.20	12.43	223	66	Horizontal

Final Data List



4.9.2.42 802.11N20_Channel CH140

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6329.166	55.63	19.97	68.20	12.57	236	199	Vertical
2	6924.096	45.12	21.26	54.00	8.88	266	313	Vertical
3	11400.00	46.44	-0.51	54.00	7.56	188	150	Vertical
4	11400.00	54.69	-0.51	74.00	19.31	186	150	Vertical
5	17100.00	55.55	-0.56	68.20	12.65	194	227	Vertical
6	17100.00	47.20	-0.56	54.00	6.80	166	222	Vertical

Final Data List



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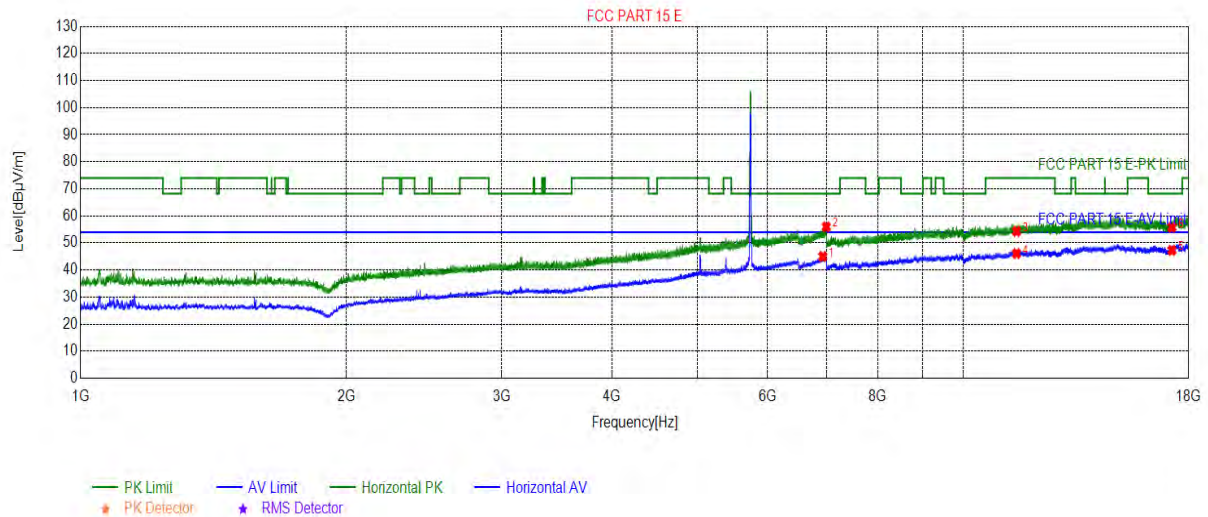
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4.9.2.43 802.11N20_Channel CH149

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6932.196	44.97	21.43	54.00	9.03	189	2	Horizontal
2	6994.599	55.96	21.61	68.20	12.24	246	6	Horizontal
3	11490.00	54.28	-0.61	74.00	19.72	243	4	Horizontal
4	11490.00	46.08	-0.61	54.00	7.92	214	4	Horizontal
5	17235.00	47.27	0.35	54.00	6.73	232	118	Horizontal
6	17235.00	55.77	0.35	68.20	12.43	247	177	Horizontal

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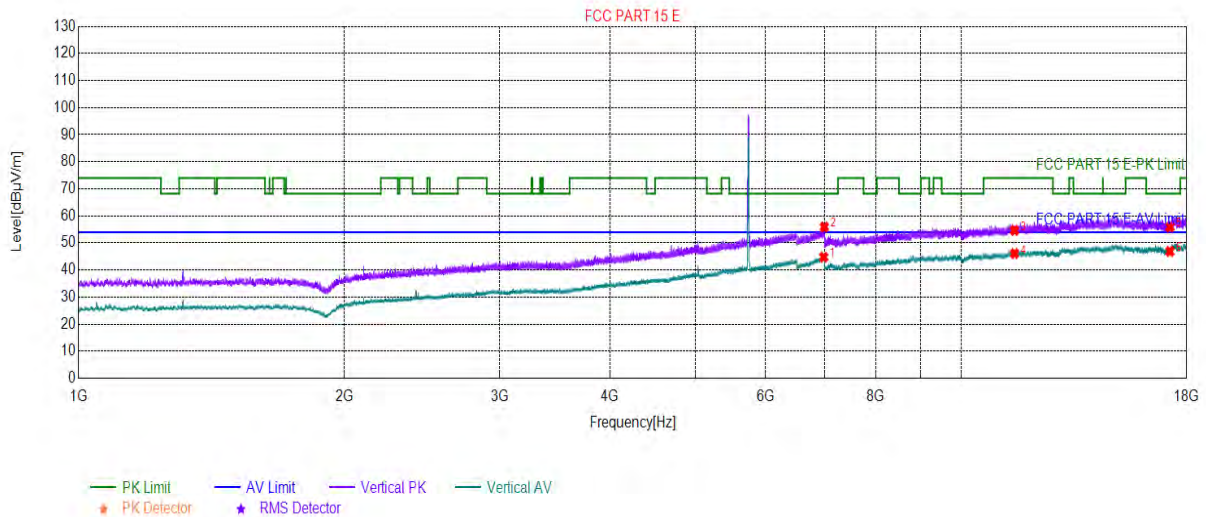
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4.9.2.44 802.11N20_Channel CH149

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6985.599	44.76	21.50	54.00	9.24	177	354	Vertical
2	6995.499	55.90	21.62	68.20	12.30	167	266	Vertical
3	11490.00	54.65	-0.61	74.00	19.35	250	129	Vertical
4	11490.00	46.07	-0.61	54.00	7.93	228	42	Vertical
5	17235.00	55.93	0.35	68.20	12.27	240	80	Vertical
6	17235.00	46.91	0.35	54.00	7.09	164	282	Vertical

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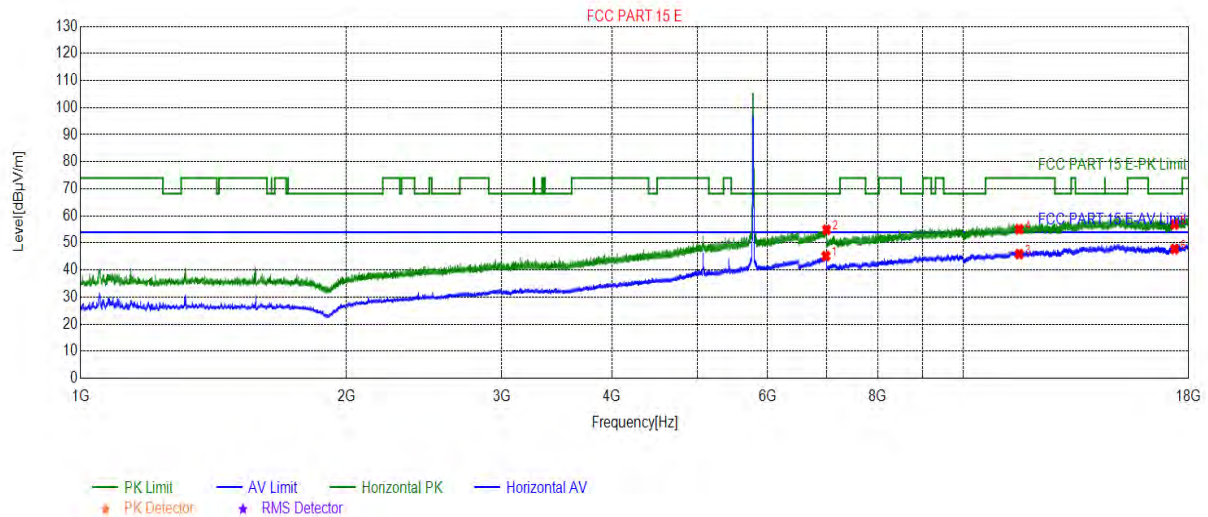
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4.9.2.45 802.11N20_Channel CH157

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6988.899	45.16	21.57	54.00	8.84	148	116	Horizontal
2	6999.700	54.81	21.64	68.20	13.39	236	16	Horizontal
3	11570.00	45.89	-0.41	54.00	8.11	146	243	Horizontal
4	11570.00	55.06	-0.41	74.00	18.94	121	170	Horizontal
5	17355.00	56.87	1.22	68.20	11.33	126	243	Horizontal
6	17355.00	47.76	1.22	54.00	6.24	113	113	Horizontal

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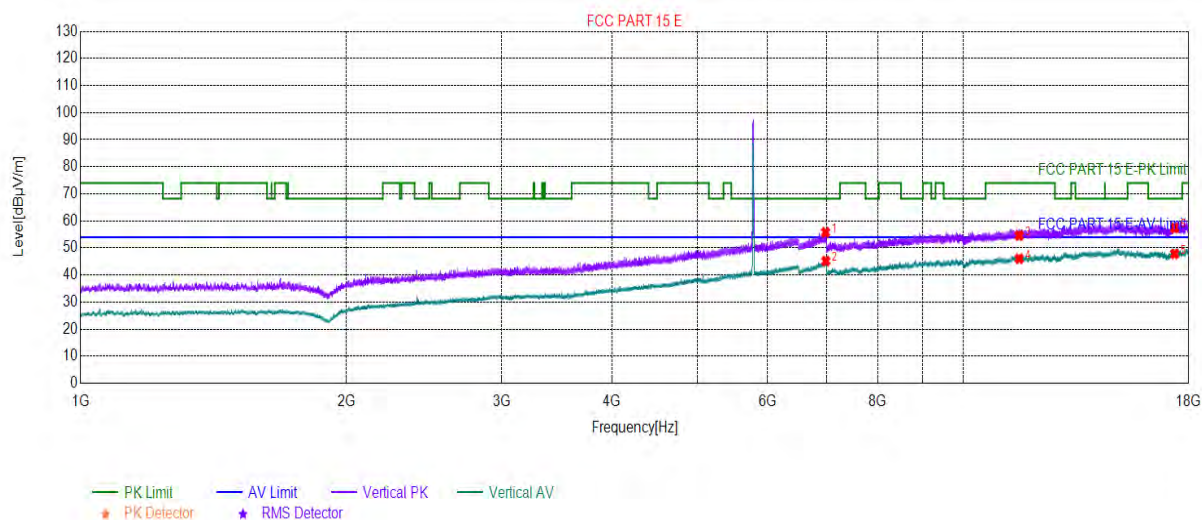
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4.9.2.46

802.11N20_Channel CH157

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6981.999	55.74	21.43	68.20	12.46	276	52	Vertical
2	6987.099	45.17	21.53	54.00	8.83	186	100	Vertical
3	11570.00	54.58	-0.41	74.00	19.42	200	99	Vertical
4	11570.00	46.03	-0.41	54.00	7.97	229	137	Vertical
5	17355.00	47.80	1.22	54.00	6.20	156	189	Vertical
6	17355.00	57.37	1.22	68.20	10.83	181	354	Vertical

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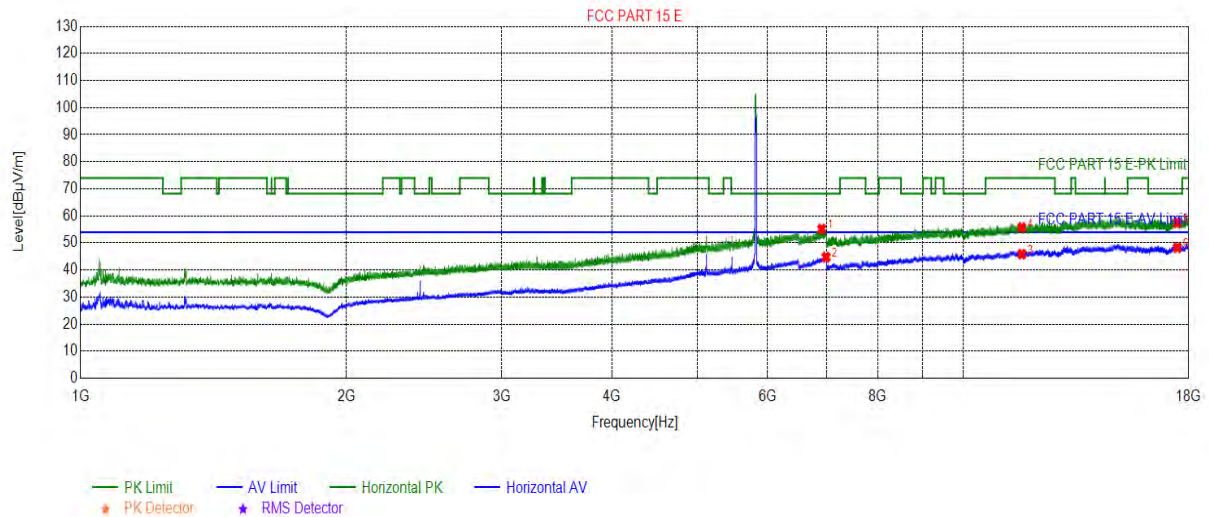
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4.9.2.47 802.11N20_Channel CH165

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6911.495	55.15	21.16	68.20	13.05	149	336	Horizontal
2	6991.899	44.75	21.60	54.00	9.25	243	357	Horizontal
3	11650.00	45.85	0.03	54.00	8.15	205	113	Horizontal
4	11650.00	55.74	0.03	74.00	18.26	178	74	Horizontal
5	17475.00	57.48	1.66	68.20	10.72	119	354	Horizontal
6	17475.00	48.29	1.66	54.00	5.71	112	168	Horizontal

Final Data List



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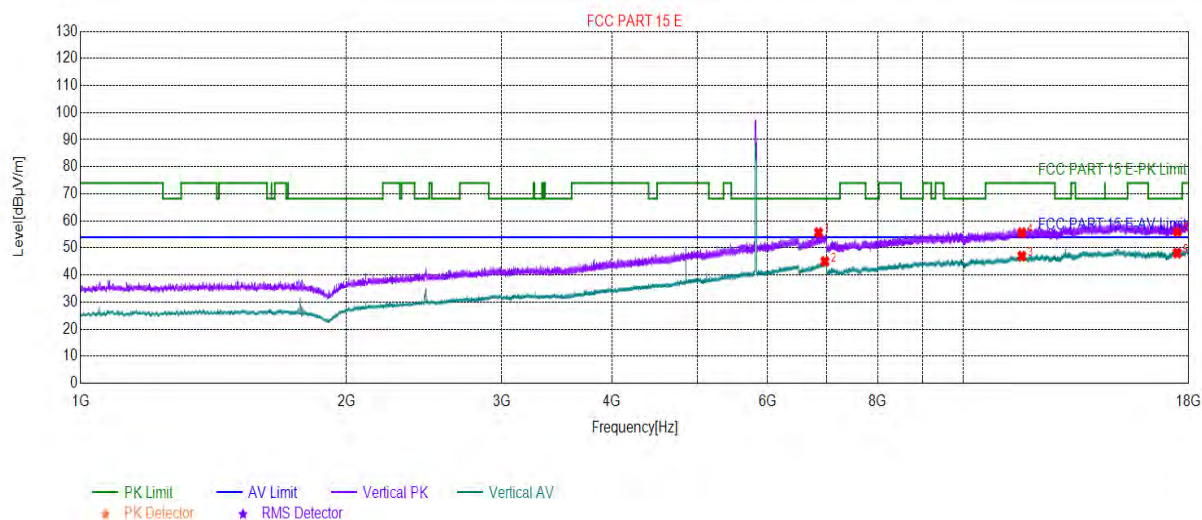
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4.9.2.48 802.11N20_Channel CH165

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6855.992	55.69	21.38	68.20	12.51	291	334	Vertical
2	6970.898	45.03	21.20	54.00	8.97	295	37	Vertical
3	11650.00	46.97	0.03	54.00	7.03	225	247	Vertical
4	11650.00	55.61	0.03	74.00	18.39	167	348	Vertical
5	17475.00	56.09	1.66	68.20	12.11	267	281	Vertical
6	17475.00	48.09	1.66	54.00	5.91	264	158	Vertical

Final Data List



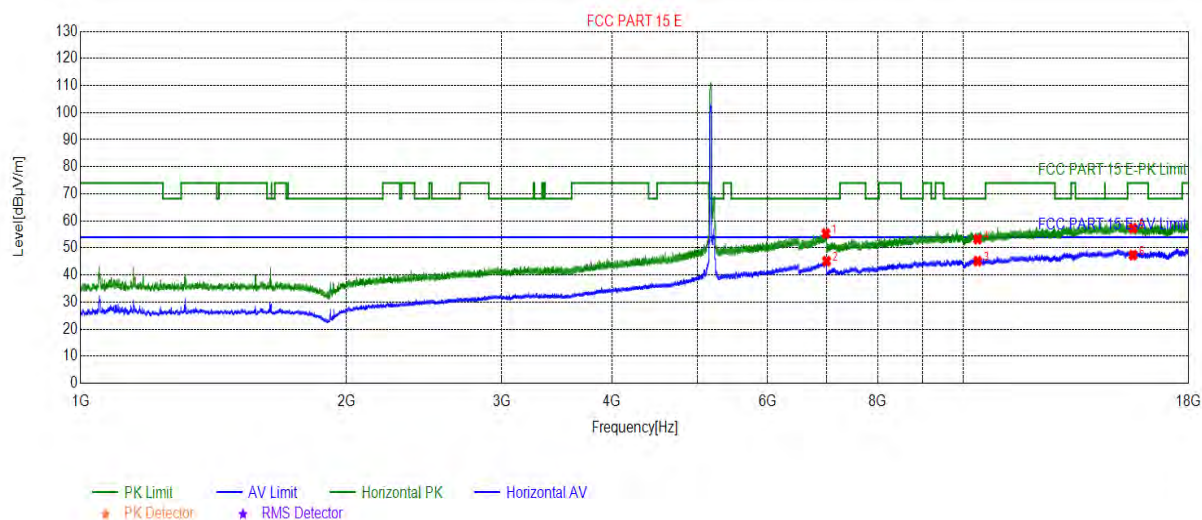
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4.9.2.49

802.11N40_Channel CH38

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6987.999	55.32	21.55	68.20	12.88	108	111	Horizontal
2	6999.700	45.12	21.64	54.00	8.88	203	172	Horizontal
3	10380.00	45.15	-1.90	54.00	8.85	205	97	Horizontal
4	10380.00	53.26	-1.90	68.20	14.94	124	183	Horizontal
5	15570.00	57.28	1.91	74.00	16.72	248	137	Horizontal
6	15570.00	47.32	1.91	54.00	6.68	224	65	Horizontal

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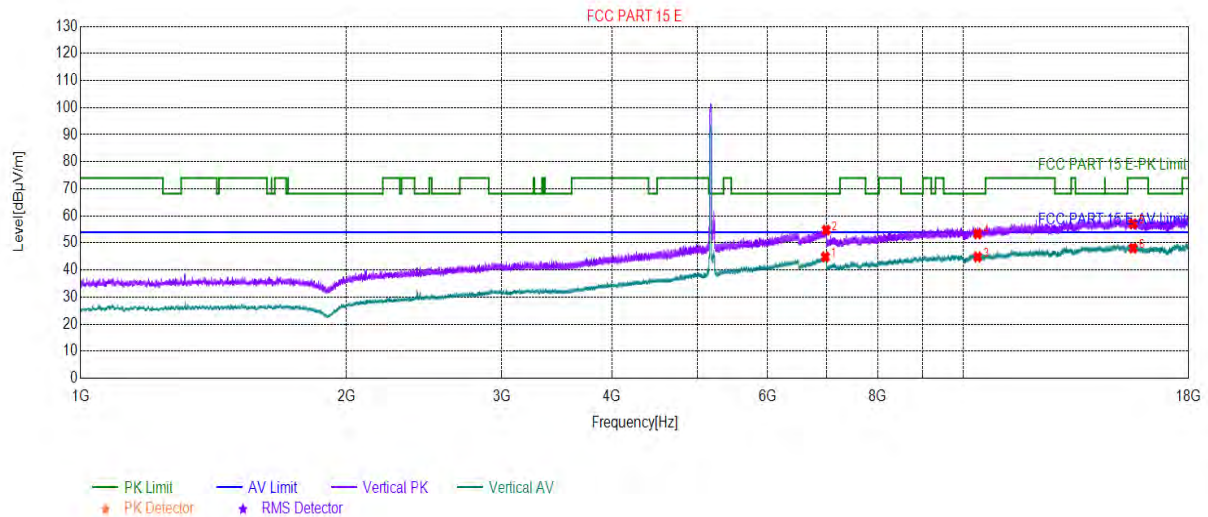
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4.9.2.50 802.11N40_Channel CH38

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6978.098	44.83	21.35	54.00	9.17	155	348	Vertical
2	6993.999	54.75	21.61	68.20	13.45	278	128	Vertical
3	10380.00	44.82	-1.90	54.00	9.18	182	286	Vertical
4	10380.00	53.36	-1.90	68.20	14.84	268	292	Vertical
5	15570.00	57.09	1.91	74.00	16.91	231	257	Vertical
6	15570.00	48.07	1.91	54.00	5.93	184	263	Vertical

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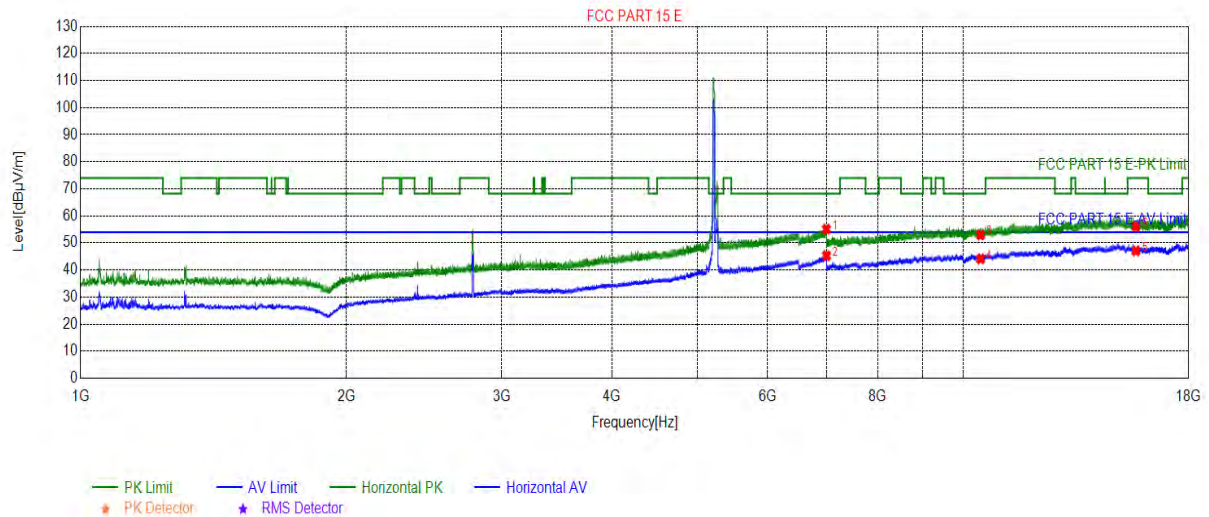
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4.9.2.51 802.11N40_Channel CH46

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6997.599	55.06	21.63	68.20	13.14	228	74	Horizontal
2	6999.700	45.28	21.64	54.00	8.72	138	146	Horizontal
3	10460.00	52.99	-2.08	68.20	15.21	137	232	Horizontal
4	10460.00	44.11	-2.08	54.00	9.89	119	343	Horizontal
5	15690.00	47.08	1.31	54.00	6.92	147	331	Horizontal
6	15690.00	56.04	1.31	74.00	17.96	216	104	Horizontal

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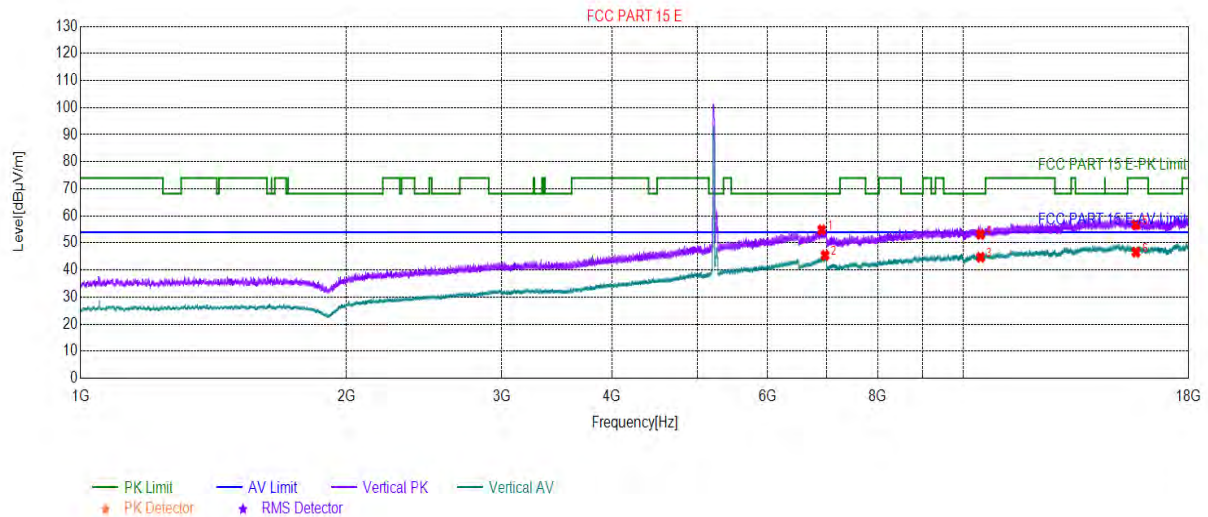
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4.9.2.52 802.11N40_Channel CH46

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6912.095	54.85	21.16	68.20	13.35	150	85	Vertical
2	6973.598	45.43	21.25	54.00	8.57	162	2	Vertical
3	10460.00	44.69	-2.08	54.00	9.31	297	23	Vertical
4	10460.00	53.13	-2.08	68.20	15.07	213	0	Vertical
5	15690.00	56.72	1.31	74.00	17.28	252	348	Vertical
6	15690.00	46.55	1.31	54.00	7.45	204	177	Vertical

Final Data List

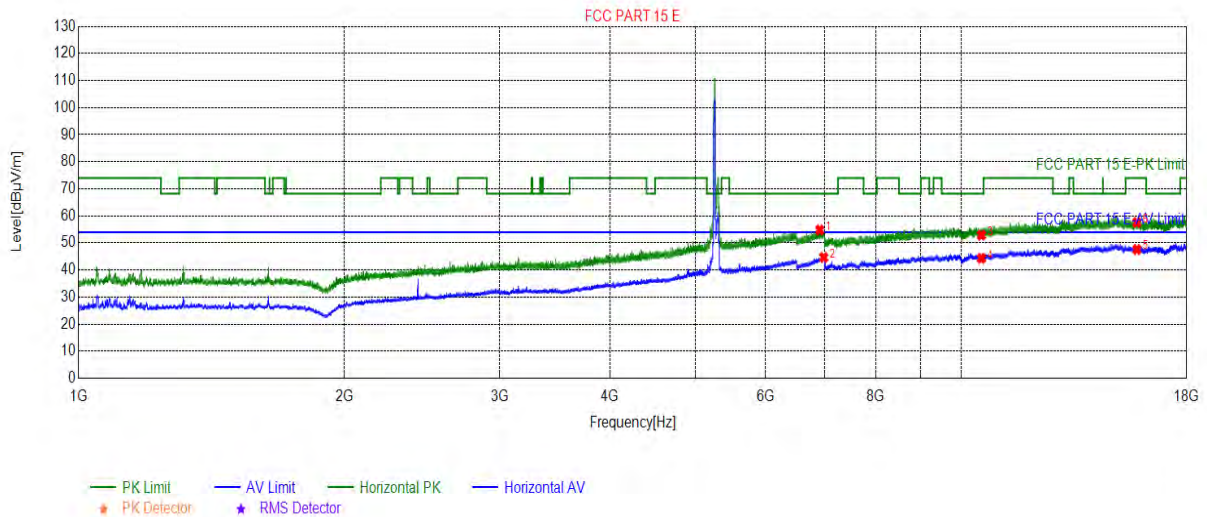


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4.9.2.53 802.11N40_Channel CH54

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6913.295	54.78	21.16	68.20	13.42	220	78	Horizontal
2	6984.999	44.67	21.49	54.00	9.33	158	2	Horizontal
3	10540.00	52.86	-2.05	68.20	15.34	221	282	Horizontal
4	10540.00	44.32	-2.05	54.00	9.68	137	354	Horizontal
5	15810.00	47.62	1.28	54.00	6.38	214	282	Horizontal
6	15810.00	57.54	1.28	74.00	16.46	237	299	Horizontal

Final Data List



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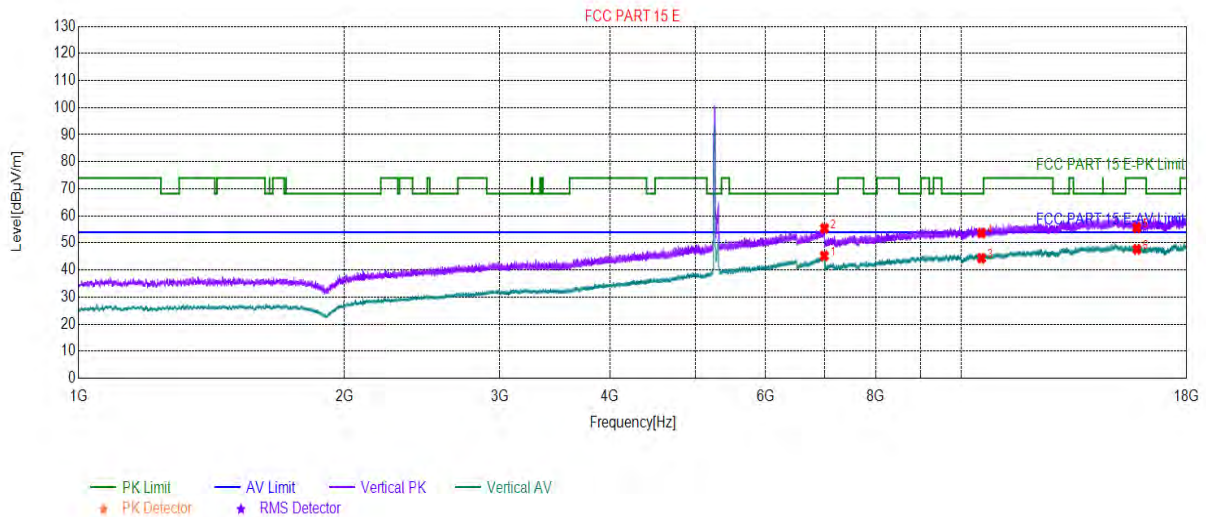
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4.9.2.54 802.11N40_Channel CH54

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6994.599	45.21	21.61	54.00	8.79	199	293	Vertical
2	6998.499	55.39	21.63	68.20	12.81	167	182	Vertical
3	10540.00	44.37	-2.05	54.00	9.63	263	148	Vertical
4	10540.00	53.62	-2.05	68.20	14.58	167	148	Vertical
5	15810.00	55.60	1.28	74.00	18.40	264	110	Vertical
6	15810.00	47.65	1.28	54.00	6.35	265	61	Vertical

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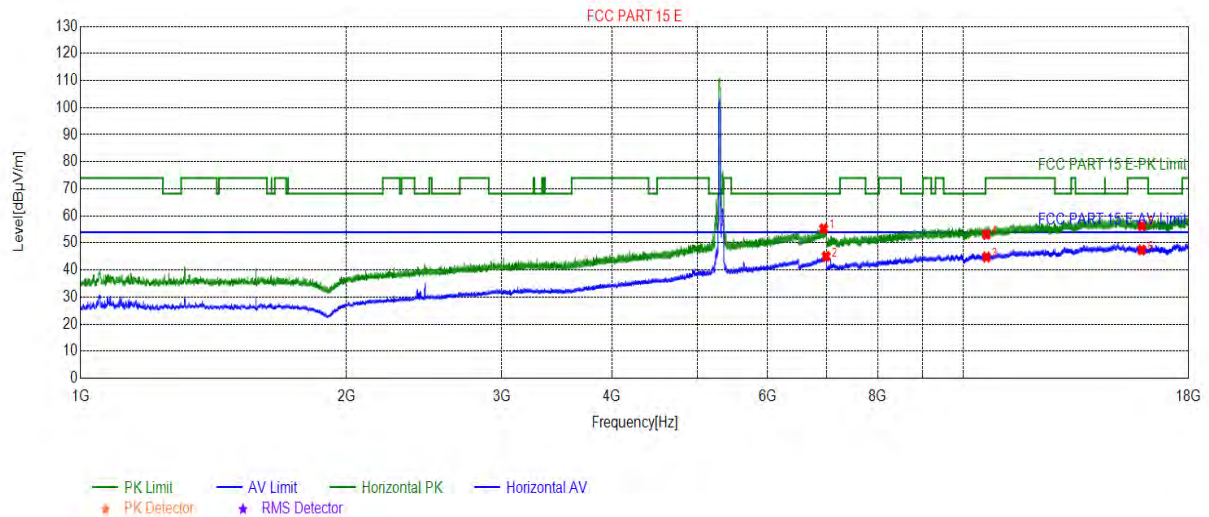
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4.9.2.55 802.11N40_Channel CH62

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6946.597	55.24	21.30	68.20	12.96	214	2	Horizontal
2	6992.199	45.03	21.60	54.00	8.97	235	116	Horizontal
3	10620.00	44.78	-1.75	54.00	9.22	208	213	Horizontal
4	10620.00	53.11	-1.75	74.00	20.89	115	0	Horizontal
5	15930.00	56.31	1.11	74.00	17.69	143	354	Horizontal
6	15930.00	47.39	1.11	54.00	6.61	144	44	Horizontal

Final Data List

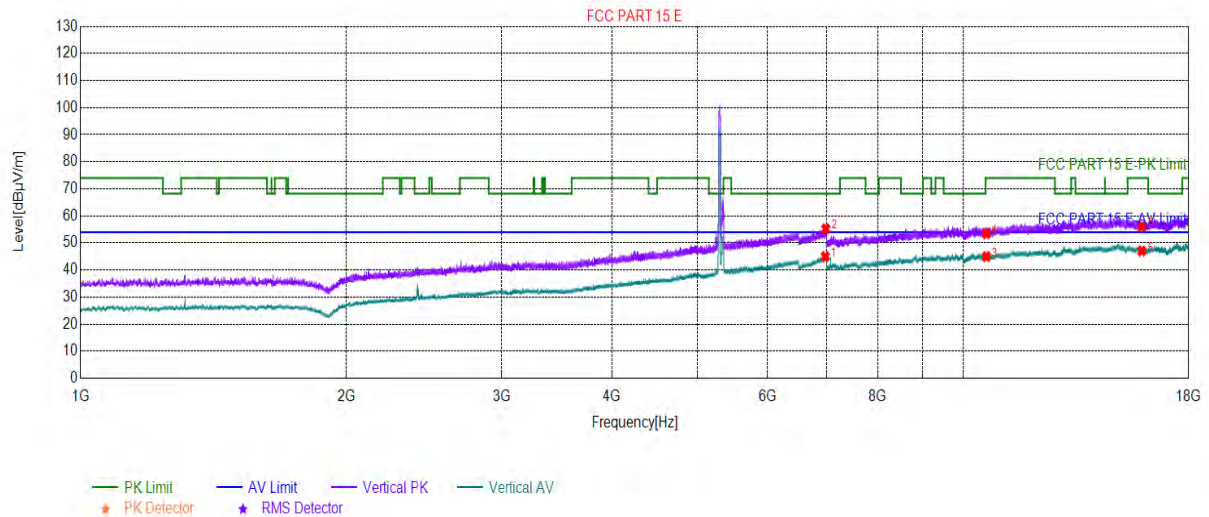


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4.9.2.56 802.11N40_Channel CH62

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6978.098	44.98	21.35	54.00	9.02	221	141	Vertical
2	6985.899	55.21	21.51	68.20	12.99	298	22	Vertical
3	10620.00	44.95	-1.75	54.00	9.05	150	314	Vertical
4	10620.00	53.41	-1.75	74.00	20.59	240	38	Vertical
5	15930.00	56.11	1.11	74.00	17.89	174	247	Vertical
6	15930.00	47.06	1.11	54.00	6.94	271	110	Vertical

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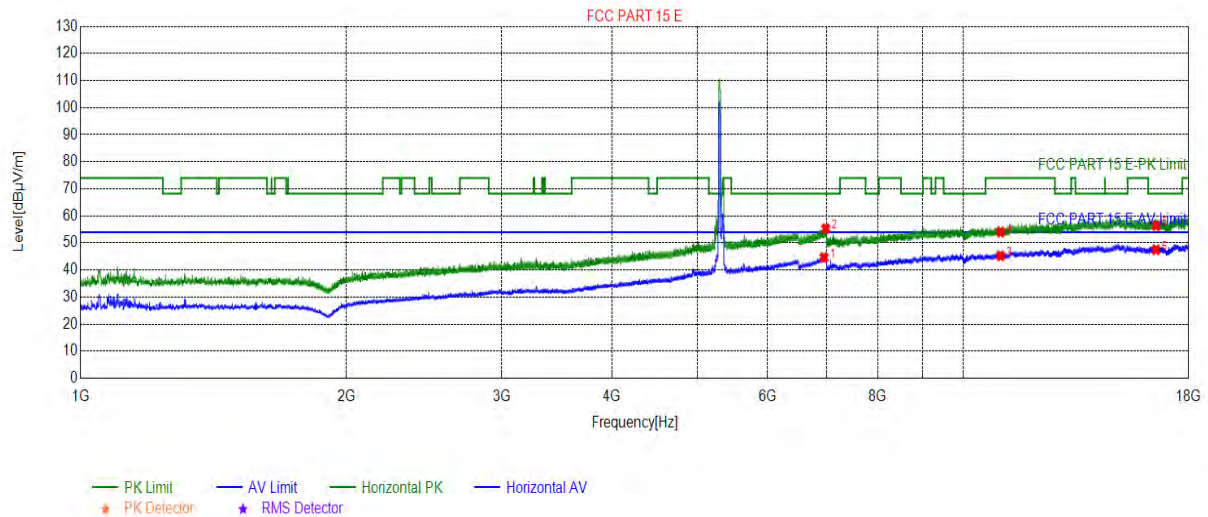
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4.9.2.57 802.11N40_Channel CH102

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6954.697	44.66	21.15	54.00	9.34	239	90	Horizontal
2	6985.299	55.27	21.50	68.20	12.93	159	196	Horizontal
3	11020.00	45.27	-0.75	54.00	8.73	176	336	Horizontal
4	11020.00	54.03	-0.75	74.00	19.97	214	131	Horizontal
5	16530.00	56.38	0.44	68.20	11.82	157	59	Horizontal
6	16530.00	47.50	0.44	54.00	6.50	199	202	Horizontal

Final Data List



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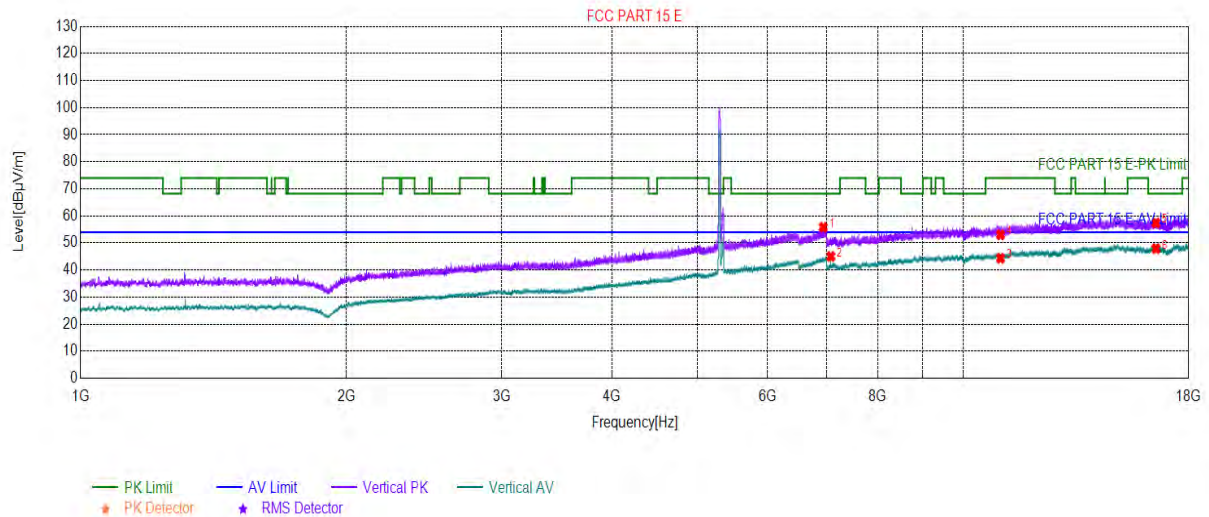
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4.9.2.58 802.11N40_Channel CH102

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6939.397	55.78	21.47	68.20	12.42	198	241	Vertical
2	7079.643	45.01	-8.25	54.00	8.99	192	4	Vertical
3	11020.00	44.34	-0.75	54.00	9.66	255	59	Vertical
4	11020.00	53.02	-0.75	74.00	20.98	202	113	Vertical
5	16530.00	57.39	0.44	68.20	10.81	155	14	Vertical
6	16530.00	47.90	0.44	54.00	6.10	266	32	Vertical

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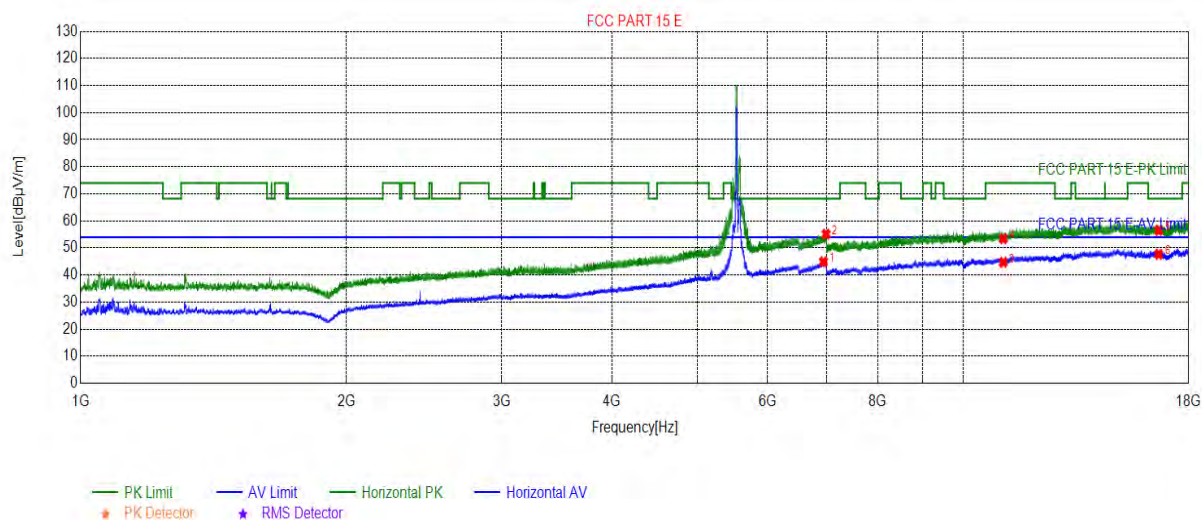
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4.9.2.59

802.11N40_Channel CH110

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6945.097	44.88	21.34	54.00	9.12	219	190	Horizontal
2	6992.499	55.10	21.60	68.20	13.10	196	89	Horizontal
3	11100.00	44.68	-0.72	54.00	9.32	159	59	Horizontal
4	11100.00	53.42	-0.72	74.00	20.58	170	86	Horizontal
5	16650.00	56.46	0.59	68.20	11.74	150	108	Horizontal
6	16650.00	47.68	0.59	54.00	6.32	130	169	Horizontal

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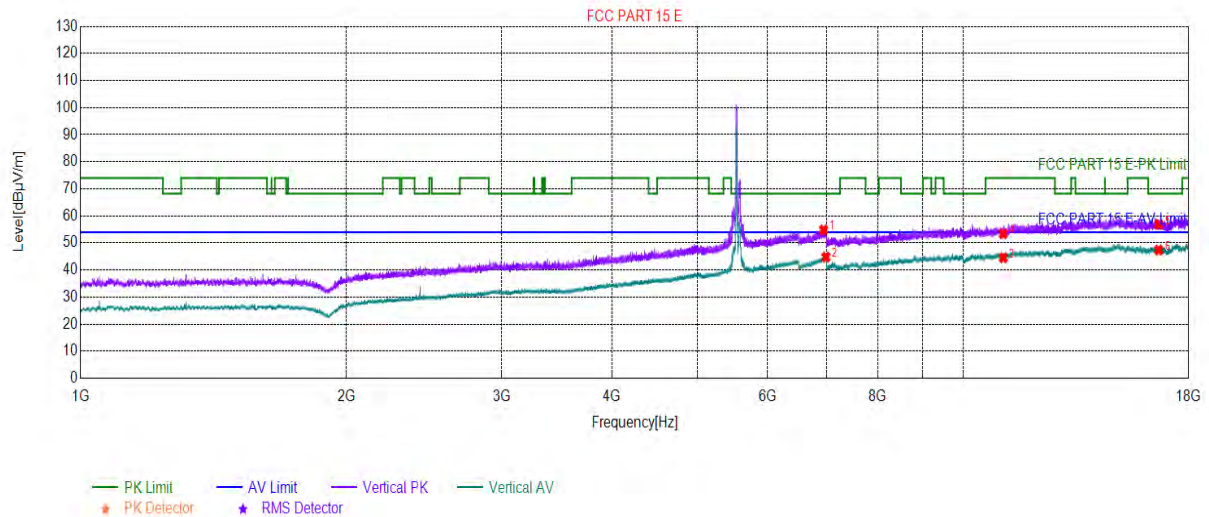
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4.9.2.60 802.11N40_Channel CH110

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6946.897	54.81	21.29	68.20	13.39	155	212	Vertical
2	6989.799	44.76	21.59	54.00	9.24	192	70	Vertical
3	11100.00	44.55	-0.72	54.00	9.45	279	238	Vertical
4	11100.00	53.38	-0.72	74.00	20.62	256	215	Vertical
5	16650.00	56.85	0.59	68.20	11.35	266	88	Vertical
6	16650.00	47.38	0.59	54.00	6.62	154	244	Vertical

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