

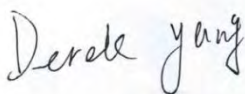
FCC TEST REPORT

Application No.: AR/2020/C0010
Applicant: Xiaomi Communications Co., Ltd.
Address of Applicant: #019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085
Manufacturer: Xiaomi Communications Co., Ltd.
Address of Manufacturer: #019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085
EUT Description: Mobile Phone
Model No.: M2012K11G
Trade Mark: Xiaomi
FCC ID: 2AFZZK11G
Standards: 47 CFR FCC Part 2, Subpart J
 47 CFR FCC Part 15, Subpart E
Test Method: KDB 789033 D02 General UNII Test Procedures New Rules v02
 FCC KDB 558074 D01 DTS Meas Guidance v0502
 KDB 662911 D01 Multiple Transmitter Output v02r01
 KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02
 KDB 905462 D03 Client Without DFS New Rules v01r02
 ANSI C63.10-2013, American National Standard for Testing Unlicensed Wireless Devices
Date of Receipt: 2021/1/31
Date of Test: 2021/1/31 to 2021/3/19
Date of Issue: 2021/3/19

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		2021-03-19		Original

Authorized for issue by:			
Prepared By		 (Dee Zheng) /Project Engineer	
Checked By		 (Daniel Wang) /Reviewer	

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)				
	5725-5850	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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Report No.: AR/2020/C001005

Page: 4 of 436

	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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Report No.: AR/2020/C001005

Page: 5 of 436

	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



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Contents

1	Version	2
2	Test Summary	2
3	General Information	8
3.1	Details of Client	8
3.2	Test Location	8
3.3	Test Facility	9
3.4	General Description of EUT	10
3.5	Test Environment and Mode	13
4	Test results and Measurement Data	14
4.1	Antenna Requirement	14
4.2	AC Power Line Conducted Emissions	14
4.3	Duty Cycle	18
4.4	Conducted Output Power	19
4.5	26dB Emission Bandwidth	20
4.6	6dB Emission Bandwidth	21
4.7	99% Occupied Bandwidth	22
4.8	Power Spectral Density	23
4.9	Radiated Spurious Emissions	24
4.9.1	Radiated emission below 1GHz	26
4.9.2	Transmitter emission above 1GHz	28
4.10	Restricted bands around fundamental frequency	243
4.10.1	Test Plots	245
4.11	Frequencies Stability	421
4.11.1	Frequency Error vs. Voltage	421
4.11.2	Frequency Error vs. Temperature	421
4.12	Dynamic Frequency Selection	422
4.12.1	DFS Overview	422
4.12.2	DFS Detection Thresholds	423
4.12.3	Response Requirements	423
4.12.4	Test plots	424
5	Measurement Uncertainty (95% confidence levels, k=2)	433
6	Equipment List	433



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Report No.: AR/2020/C001005

Page: 7 of 436

7	Photographs - EUT Constructional Details	436
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3 General Information

3.1 Details of Client

Applicant:	Xiaomi Communications Co., Ltd.
Address of Applicant	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085
Manufacturer:	Xiaomi Communications Co., Ltd.
Address of Manufacturer	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

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

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



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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.

Designation Number: CN1271.



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3.4 General Description of EUT

EUT Description:	Mobile Phone
Model No.:	M2012K11G
Trade Mark:	Xiaomi
Hardware Version:	P2.1
Software Version:	MIUI12
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) ☒ 802.11ax (20 MHz channel bandwidth) ☒ 802.11ax (40 MHz channel bandwidth) ☒ 802.11ax (80 MHz channel bandwidth) ☒ 802.11ax (160 MHz channel bandwidth)
Operation Frequency:	IEEE 802.11n(HT20/40)/ ac(HT20/40/80/160)/ax(HE20/40/80/160): 5150MHz to 5250MHz IEEE 802.11n(HT20/40)/ ac(HT20/40/80) /ax(HE20/40/80): 5250MHz to 5350MHz IEEE 802.11n(HT20/40)/ ac(HT20/40/80/160) /ax(HE20/40/80/160): 5470MHz to 5725MHz IEEE 802.11n(HT20/40)/ ac(HT20/40/80) /ax(HE20/40/80): 5725MHz to 5850MHz
Type of Modulation:	OFDMA/OFDM
DFS mode:	☐ Master ☐ Slave with radar detection ☒ Slave without radar detection
Sample Type:	☒ Portable Device, ☐ Module
Antenna Type:	PIFA Antenna
Antenna Ports	☒ Ant 1, ☒ Ant 2, ☐ Ant 3
Smart System	☐ SISO (for 802.11a/n/ac), ☒ MIMO (for 802.11n/ac/ax), ☐ Diversity (for 802.11a).
Antenna Gain:	-1.9dBi(ANT1); -3.4dBi(ANT2);



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Page: 11 of 436

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/ax 20MHz	The Lowest channel	5180
	The Middle channel	5200
	The Highest channel	5240
IEEE 802.11n/ac/ax 40MHz	The Lowest channel	5190
	The Highest channel	5230
IEEE 802.11ac/ax 80MHz	The Middle channel	5210
IEEE 802.11ac/ax 160MHz	The Middle channel	5250

For UNII Band II-A:

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

For UNII Band II-C:

Mode	Channel	Frequency(MHz)
IEEE 802.11a/n/ac/ax 20MHz	The Lowest channel	5500
	The Middle channel	5580
	The Highest channel	5700
IEEE 802.11n/ac/ax 40MHz	The Lowest channel	5510
	The Middle channel	5550
	The Highest channel	5670
IEEE 802.11ac/ax 80MHz	The Lowest channel	5530
	The Highest channel	5610
IEEE 802.11ac/ax 160MHz	The Middle channel	5570

For UNII Band III:

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



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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 -1.9dBi(ANT1); -3.4dBi(ANT2).	

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.		



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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
Remark:	The Emission Test data were reused from the report no:XAR/2020/C001005



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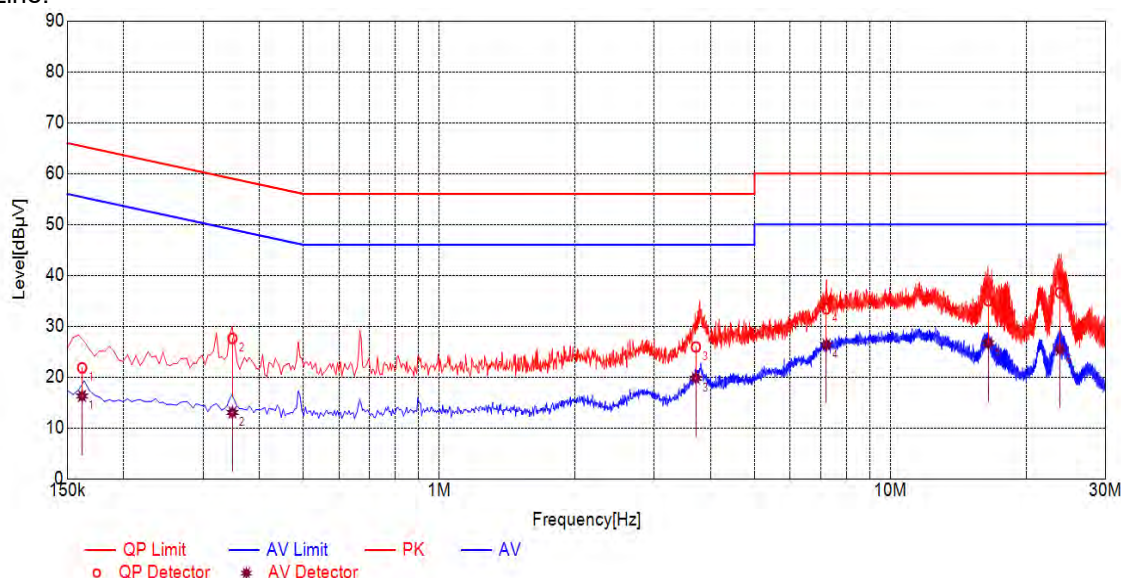
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Measurement Data

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]	Type
1	0.1618	10.10	21.82	65.37	43.55	16.27	55.37	39.10	L
2	0.3485	10.10	27.60	59.00	31.40	13.04	49.00	35.96	L
3	3.7071	10.10	25.92	56.00	30.08	19.79	46.00	26.21	L
4	7.2169	10.10	33.43	60.00	26.57	26.36	50.00	23.64	L
5	16.4914	10.11	35.00	60.00	25.00	26.69	50.00	23.31	L
6	23.7503	10.11	36.60	60.00	23.40	25.43	50.00	24.57	L

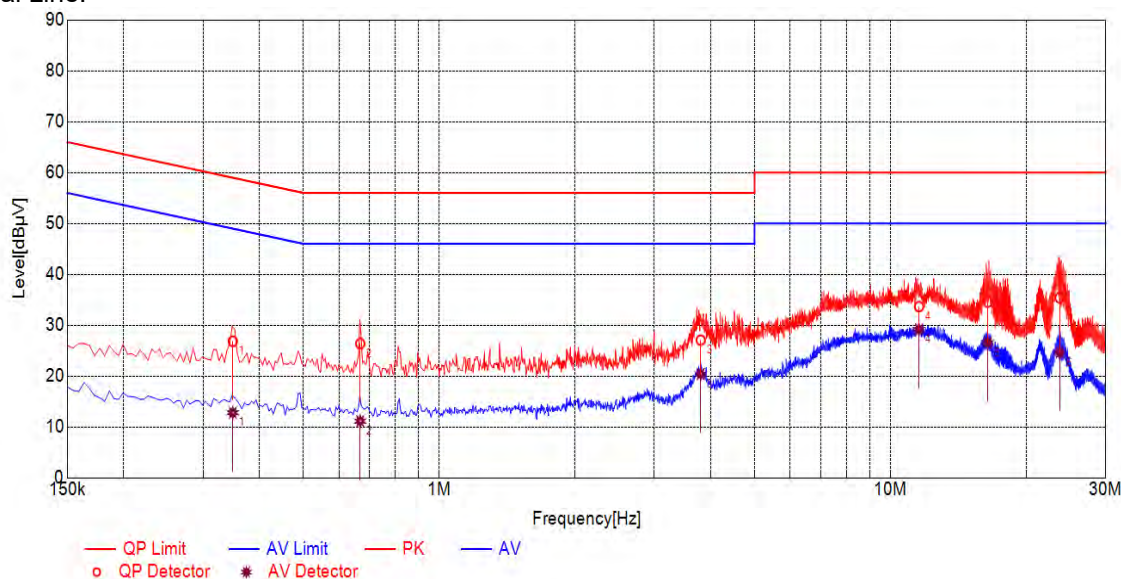


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Neutral Line:



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]	Type
1	0.3490	10.10	26.84	58.99	32.15	12.78	48.99	36.21	N
2	0.6688	10.10	26.40	56.00	29.60	11.14	46.00	34.86	N
3	3.7998	10.10	27.07	56.00	28.93	20.39	46.00	25.61	N
4	11.5771	10.10	33.65	60.00	26.35	29.14	50.00	20.86	N
5	16.4490	10.11	34.57	60.00	25.43	26.59	50.00	23.41	N
6	23.7107	10.11	35.39	60.00	24.61	24.62	50.00	25.38	N

Remarks:

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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Report No.: AR/2020/C001005

Page: 18 of 436

4.3 Duty Cycle

The detailed test data see: **Appendix D**



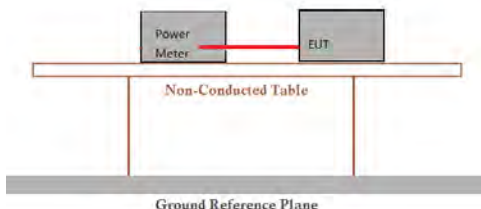
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4.4 Conducted Output Power

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)/ax(HE20). MCS0 of rate is the worst case of 802.11ac(VHT40) /ax(HE40). MCS0 of rate is the worst case of 802.11ac(VHT80) /ax(HE80). MCS0 of rate is the worst case of 802.11ac(VHT160) /ax(HE160). 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 $11 + 10\log B$
	5470-5725MHz	The lesser of 250mW(24dBm) or $11 + 10\log B$
	5725-5850MHz	Not exceed 1W(30dBm)
	*Where B is the 26dB emission bandwidth in MHz	
Test Results:	Pass	

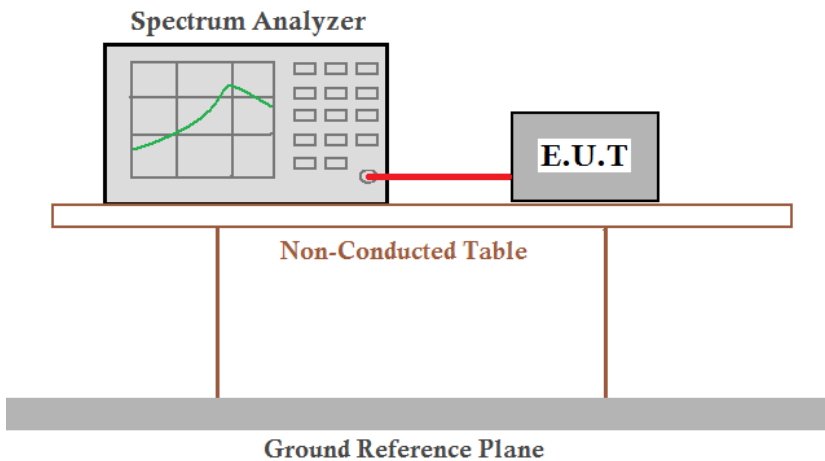
The detailed test data see: **Appendix D**



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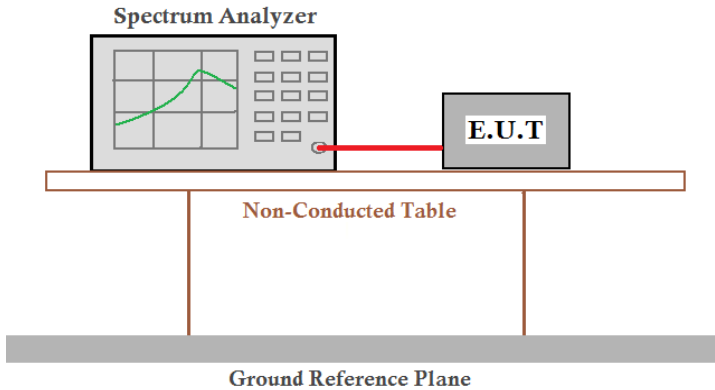
4.5 26dB Emission Bandwidth

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)/ax(HE20). MCS0 of rate is the worst case of 802.11ac(VHT40) /ax(HE40). MCS0 of rate is the worst case of 802.11ac(VHT80) /ax(HE80). MCS0 of rate is the worst case of 802.11ac(VHT160) /ax(HE160). Only the worst case is recorded in the report.
Limit:	No restriction limits
Test Results:	Pass

The detailed test data see: **Appendix D**



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)/ax(HE20). MCS0 of rate is the worst case of 802.11ac(VHT40) /ax(HE40). MCS0 of rate is the worst case of 802.11ac(VHT80) /ax(HE80). MCS0 of rate is the worst case of 802.11ac(VHT160) /ax(HE160). Only the worst case is recorded in the report.	
Limit:	Frequency Band	Limit
	5725-5850MHz	At lease 500kHz
Test Results:	Pass	

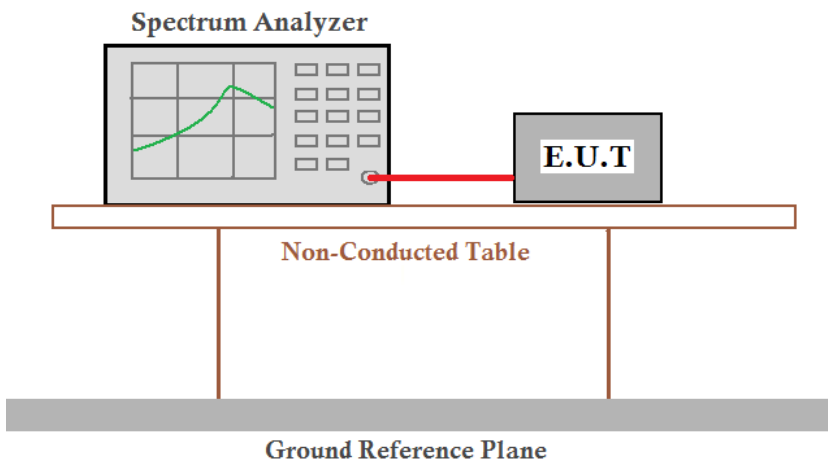
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4.7 99% Occupied Bandwidth

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)/ax(HE20). MCS0 of rate is the worst case of 802.11ac(VHT40) /ax(HE40). MCS0 of rate is the worst case of 802.11ac(VHT80) /ax(HE80). MCS0 of rate is the worst case of 802.11ac(VHT160) /ax(HE160). Only the worst case is recorded in the report.
Limit:	No restriction limits
Test Results:	Pass

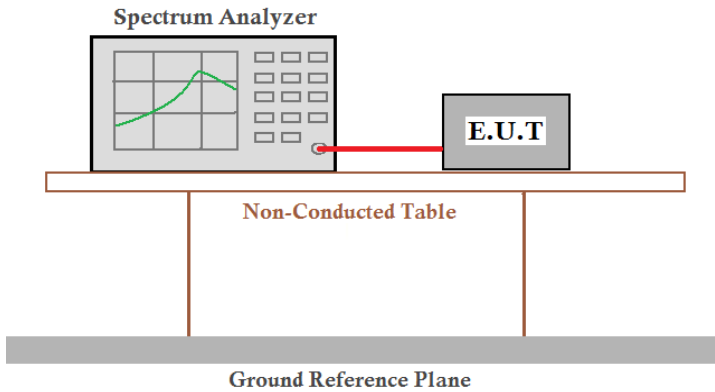
The detailed test data see: **Appendix D**



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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)/ax(HE20). MCS0 of rate is the worst case of 802.11ac(VHT40) /ax(HE40). MCS0 of rate is the worst case of 802.11ac(VHT80) /ax(HE80). MCS0 of rate is the worst case of 802.11ac(VHT160) /ax(HE160). 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 D**



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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:	

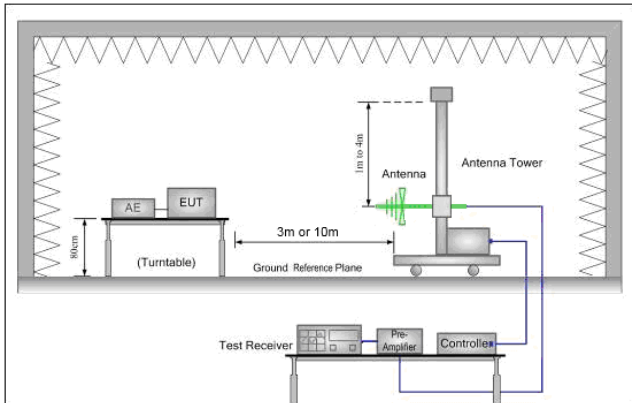


Figure 1. 30MHz to 1GHz

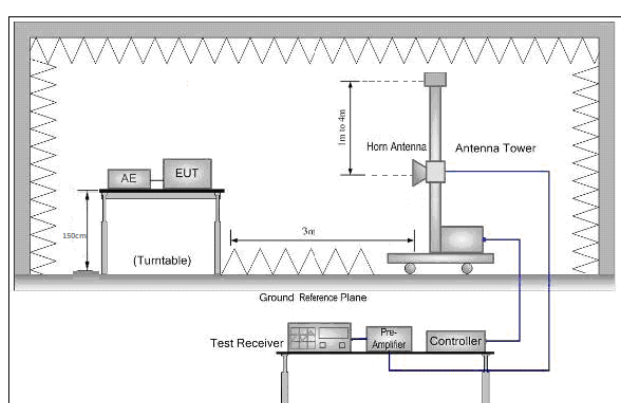


Figure 2. Above 1 GHz

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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Report No.: AR/2020/C001005

Page: 25 of 436

	MCS0 of rate is the worst case of 802.11ac(VHT20)/ax(HE20). MCS0 of rate is the worst case of 802.11ac(VHT40) /ax(HE40). MCS0 of rate is the worst case of 802.11ac(VHT80) /ax(HE80). MCS0 of rate is the worst case of 802.11ac(VHT160) /ax(HE160). 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
Remark:	The Emission Test data were reused from the report no:XAR/2020/C001005

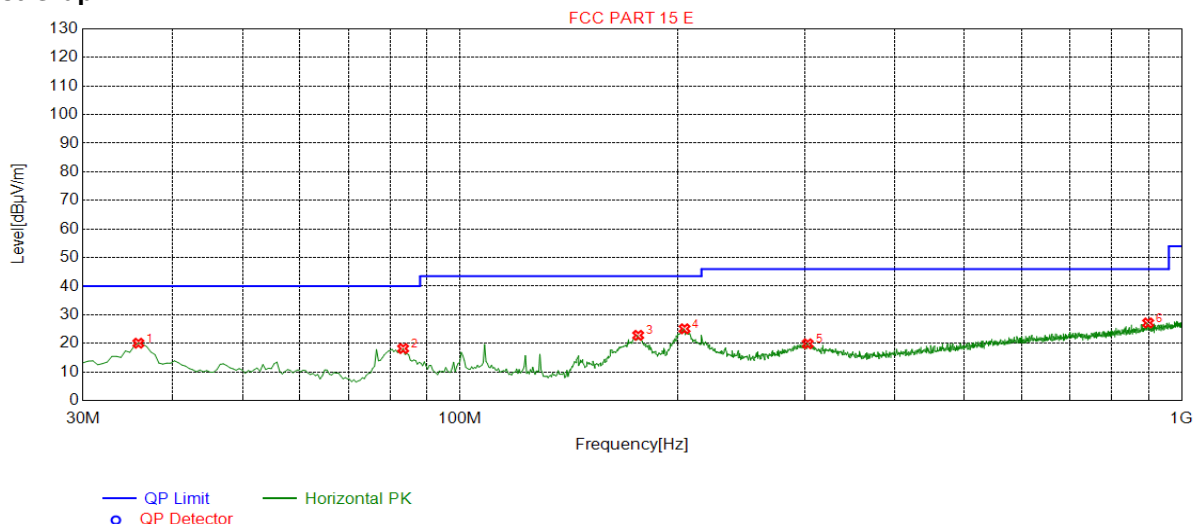


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4.9.1 Radiated emission below 1GHz

Test Graph



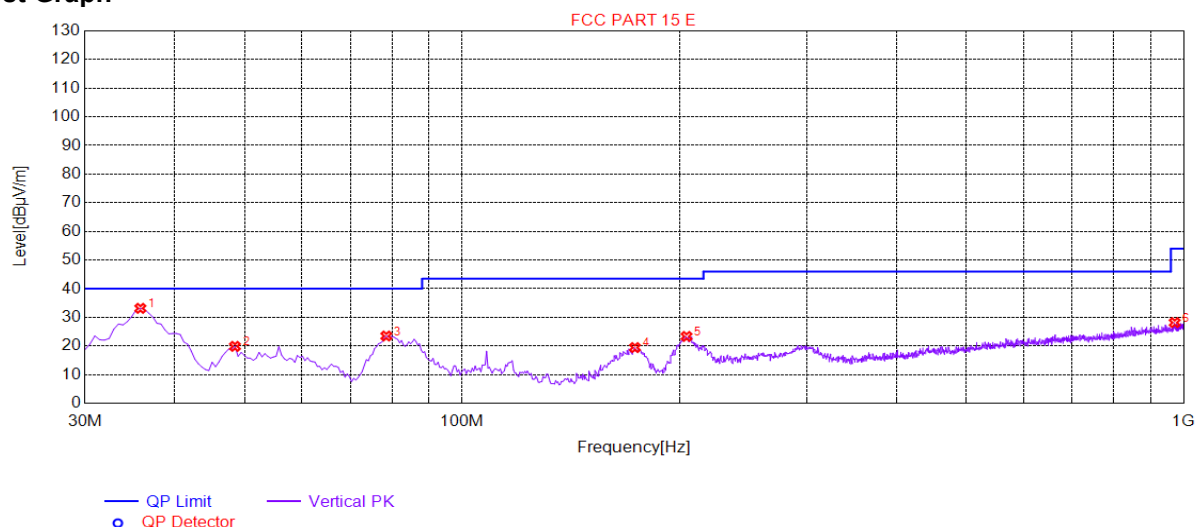
Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	35.8229	20.08	-29.69	40.00	19.92	100	219	Horizontal
2	83.3767	18.20	-35.33	40.00	21.80	200	82	Horizontal
3	176.543	22.84	-33.55	43.50	20.66	100	207	Horizontal
4	204.687	25.11	-31.09	43.50	18.39	100	227	Horizontal
5	303.191	19.87	-28.17	46.00	26.13	200	341	Horizontal
6	898.584	27.16	-16.05	46.00	18.84	100	274	Horizontal

Final Data List



Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	35.8229	33.17	-29.69	40.00	6.83	100	14	Vertical
2	48.4392	19.89	-30.38	40.00	20.11	100	322	Vertical
3	78.5243	23.51	-35.88	40.00	16.49	200	236	Vertical
4	173.631	19.47	-33.77	43.50	24.03	100	332	Vertical
5	204.687	23.36	-31.09	43.50	20.14	100	317	Vertical
6	971.855	28.18	-15.18	54.00	25.82	200	126	Vertical

Final Data List



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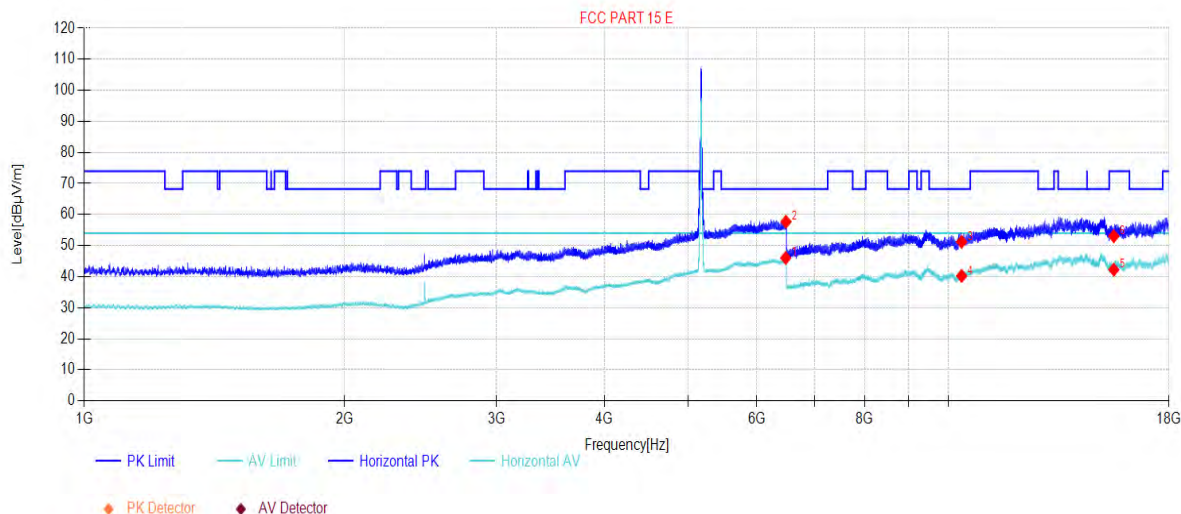
Report No.: AR/2020/C001005

Page: 28 of 436

4.9.2 Transmitter emission above 1GHz 802.11A_Channel 36

4.9.2.1

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6482.032	46.01	18.62	54.00	7.99	148	36	Horizontal
2	6487.165	57.68	18.64	68.20	10.52	159	316	Horizontal
3	10360.00	51.20	2.38	68.20	17.00	143	80	Horizontal
4	10360.00	40.23	2.38	54.00	13.77	164	51	Horizontal
5	15540.00	42.25	5.88	54.00	11.75	157	194	Horizontal
6	15540.00	53.05	5.88	74.00	20.95	151	339	Horizontal

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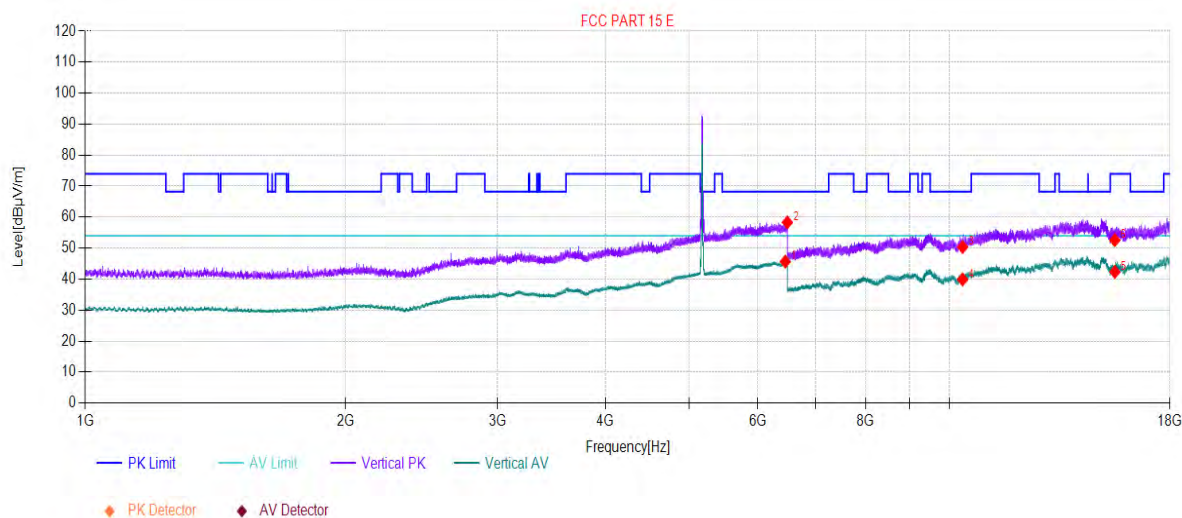
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4.9.2.2 802.11A_Channel 36

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6458.197	45.67	18.48	54.00	8.33	201	104	Vertical
2	6494.132	58.32	18.68	68.20	9.88	198	3	Vertical
3	10360.00	50.38	2.38	68.20	17.82	187	0	Vertical
4	10360.00	39.91	2.38	54.00	14.09	206	176	Vertical
5	15540.00	42.35	5.88	54.00	11.65	217	195	Vertical
6	15540.00	52.55	5.88	74.00	21.45	213	147	Vertical

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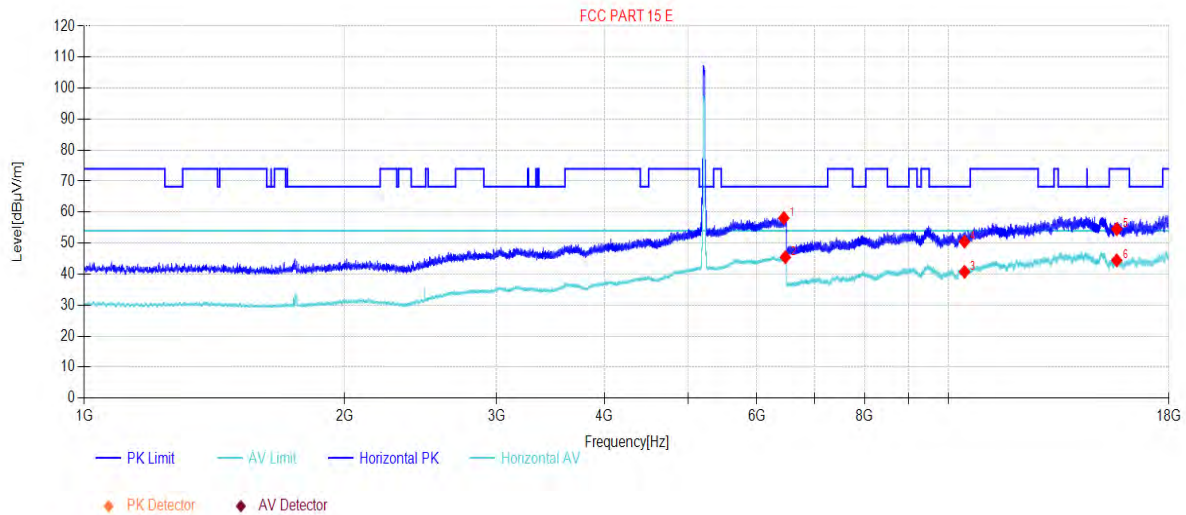
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4.9.2.3 802.11A_Channel 44

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6450.863	58.12	18.44	68.20	10.08	154	3	Horizontal
2	6476.898	45.46	18.59	54.00	8.54	143	201	Horizontal
3	10440.00	40.75	2.46	54.00	13.25	159	119	Horizontal
4	10440.00	50.50	2.46	68.20	17.70	149	301	Horizontal
5	15660.00	54.51	6.12	74.00	19.49	161	262	Horizontal
6	15660.00	44.45	6.12	54.00	9.55	169	291	Horizontal

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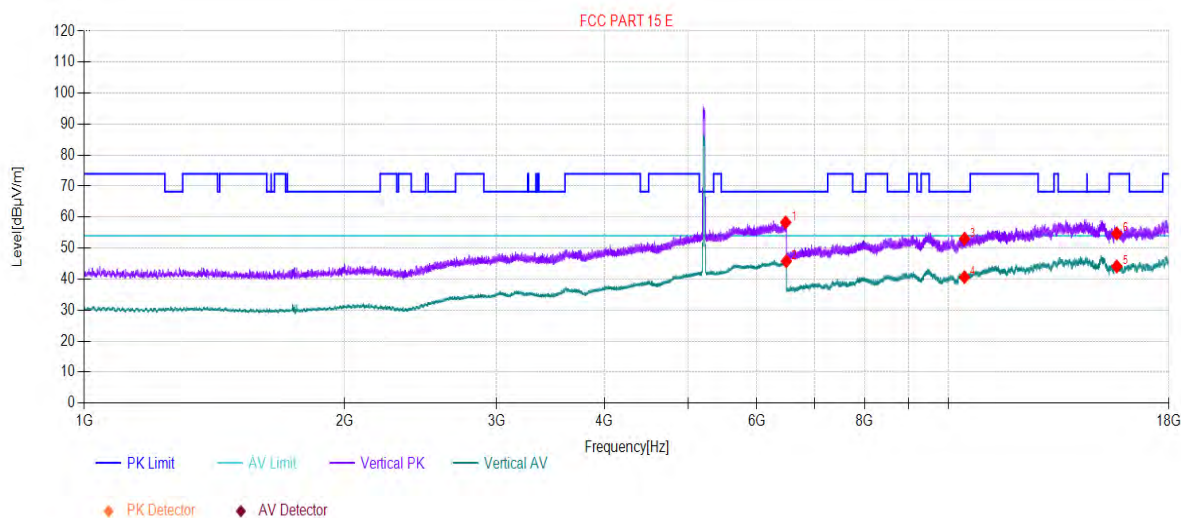
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4.9.2.4 802.11A_Channel 44

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6481.665	58.31	18.61	68.20	9.89	201	36	Vertical
2	6492.666	45.79	18.67	54.00	8.21	209	289	Vertical
3	10440.00	53.07	2.46	68.20	15.13	197	109	Vertical
4	10440.00	40.64	2.46	54.00	13.36	194	4	Vertical
5	15660.00	44.11	6.12	54.00	9.89	191	61	Vertical
6	15660.00	54.71	6.12	74.00	19.29	217	253	Vertical

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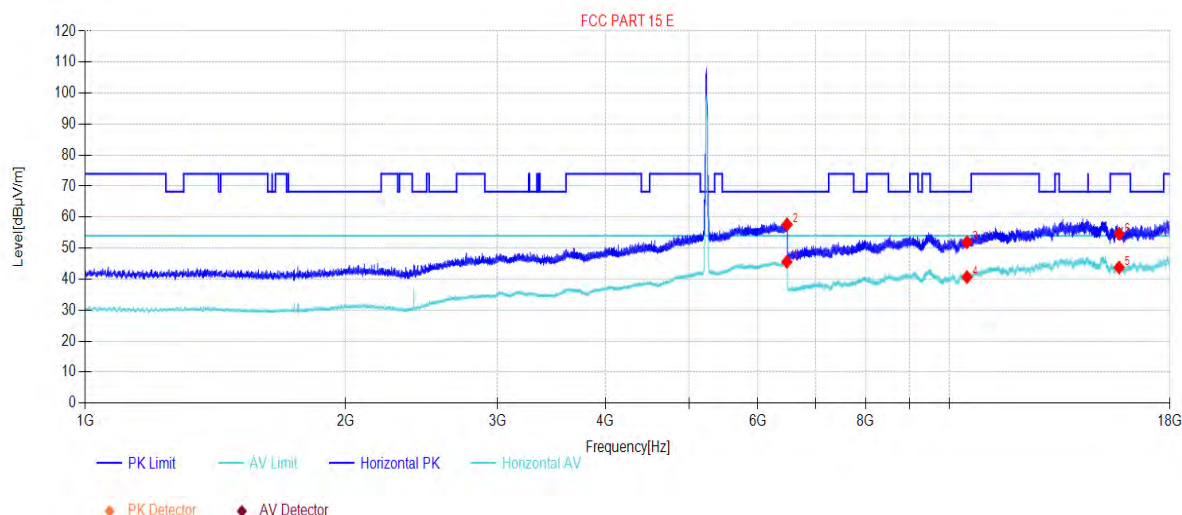
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4.9.2.5 802.11A_Channel 48

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6484.965	45.61	18.63	54.00	8.39	149	126	Horizontal
2	6488.265	57.65	18.65	68.20	10.55	145	36	Horizontal
3	10480.00	51.92	2.49	68.20	16.28	152	0	Horizontal
4	10480.00	40.70	2.49	54.00	13.30	159	82	Horizontal
5	15720.00	43.74	5.92	54.00	10.26	162	35	Horizontal
6	15720.00	54.58	5.92	74.00	19.42	168	205	Horizontal

Final Data List

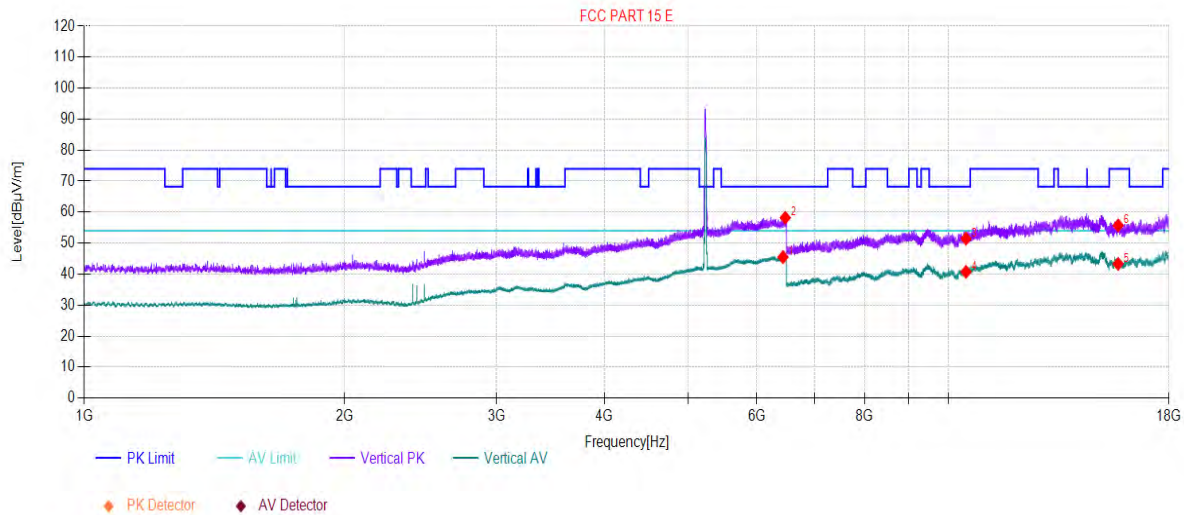


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4.9.2.6 802.11A_Channel 48

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6435.829	45.53	18.36	54.00	8.47	211	221	Vertical
2	6475.431	58.19	18.58	68.20	10.01	203	133	Vertical
3	10480.00	51.44	2.49	68.20	16.76	209	81	Vertical
4	10480.00	40.75	2.49	54.00	13.25	197	177	Vertical
5	15720.00	43.32	5.92	54.00	10.68	195	225	Vertical
6	15720.00	55.73	5.92	74.00	18.27	199	167	Vertical

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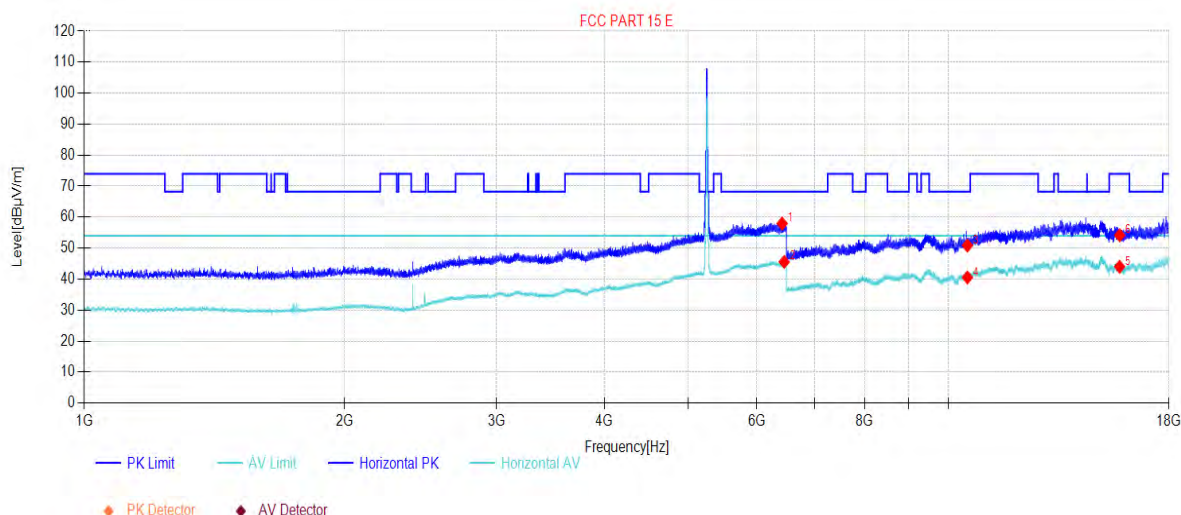
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4.9.2.7 802.11A_Channel 52

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6420.794	57.95	18.28	68.20	10.25	159	268	Horizontal
2	6457.097	45.60	18.48	54.00	8.40	146	36	Horizontal
3	10520.00	50.84	2.45	68.20	17.36	157	177	Horizontal
4	10520.00	40.55	2.45	54.00	13.45	161	357	Horizontal
5	15780.00	43.98	5.30	54.00	10.02	168	263	Horizontal
6	15780.00	54.17	5.30	74.00	19.83	159	225	Horizontal

Final Data List



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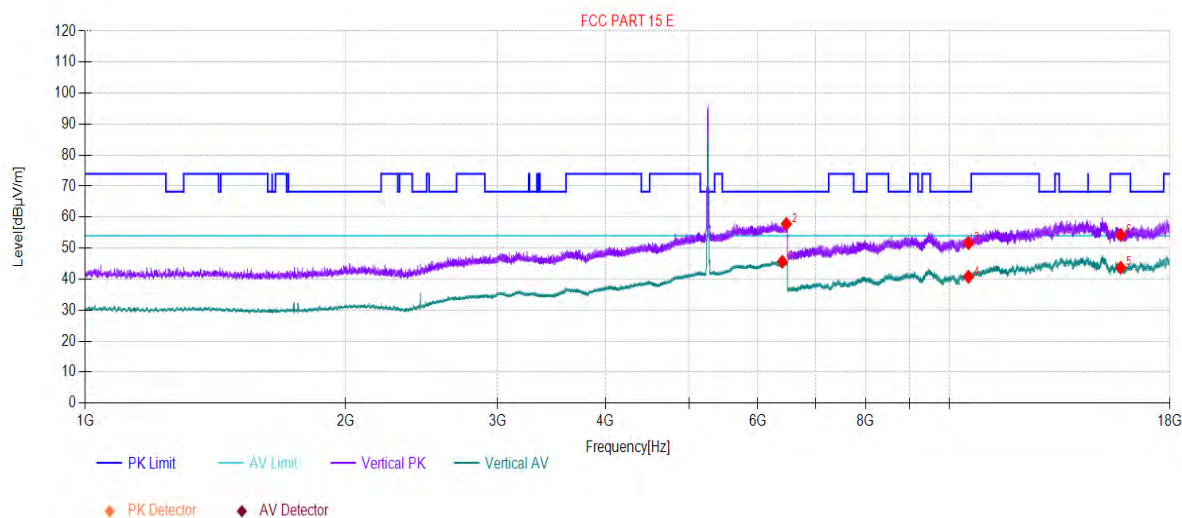
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4.9.2.8 802.11A_Channel 52

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6406.860	45.63	18.20	54.00	8.37	211	98	Vertical
2	6475.798	57.81	18.58	68.20	10.39	201	125	Vertical
3	10520.00	51.60	2.45	68.20	16.60	216	290	Vertical
4	10520.00	40.77	2.45	54.00	13.23	208	214	Vertical
5	15780.00	43.72	5.30	54.00	10.28	197	242	Vertical
6	15780.00	54.25	5.30	74.00	19.75	195	348	Vertical

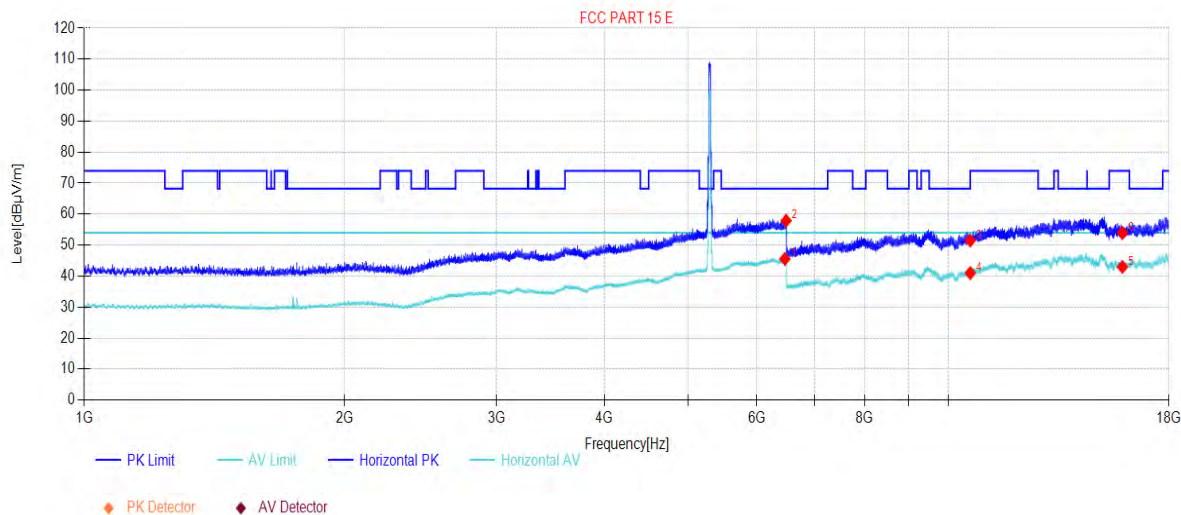
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4.9.2.9 802.11A_Channel 60

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6467.731	45.56	18.54	54.00	8.44	168	118	Horizontal
2	6489.732	57.88	18.66	68.20	10.32	157	131	Horizontal
3	10600.00	51.50	2.23	74.00	22.50	149	339	Horizontal
4	10600.00	40.98	2.23	54.00	13.02	152	282	Horizontal
5	15900.00	42.99	5.29	54.00	11.01	164	167	Horizontal
6	15900.00	53.99	5.29	74.00	20.01	159	187	Horizontal

Final Data List

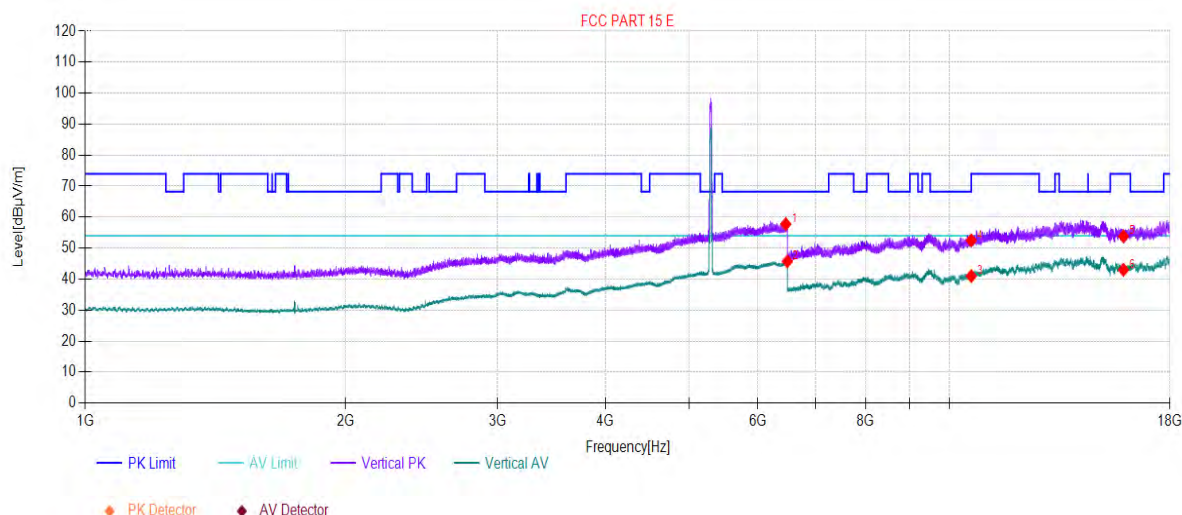


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4.9.2.10 802.11A_Channel 60

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6466.631	57.74	18.53	68.20	10.46	215	360	Vertical
2	6492.666	45.74	18.67	54.00	8.26	206	227	Vertical
3	10600.00	41.01	2.23	54.00	12.99	211	85	Vertical
4	10600.00	52.49	2.23	74.00	21.51	197	160	Vertical
5	15900.00	53.80	5.29	74.00	20.20	193	254	Vertical
6	15900.00	43.03	5.29	54.00	10.97	205	282	Vertical

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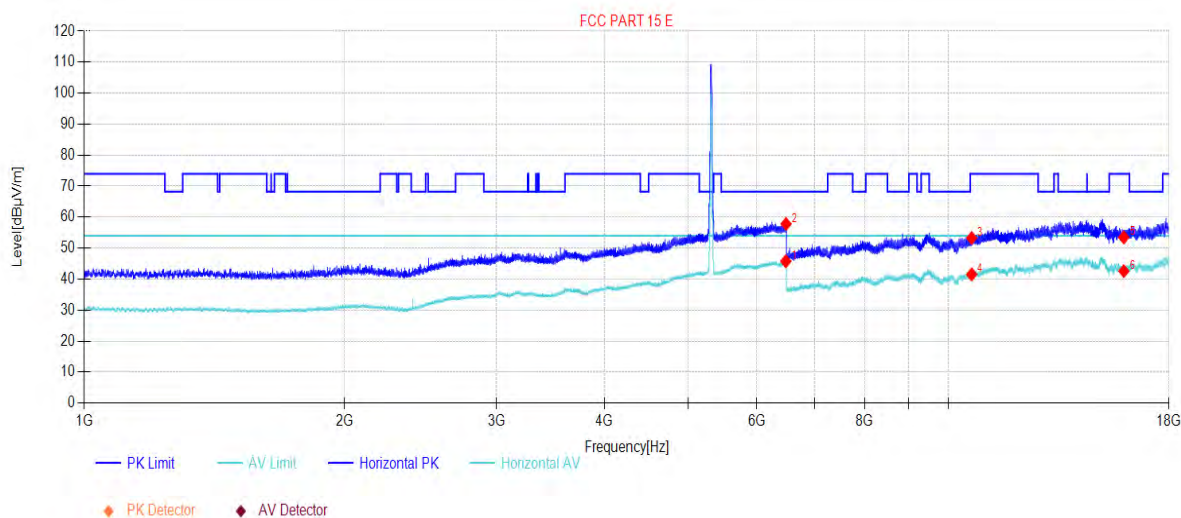
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4.9.2.11 802.11A_Channel 64

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6484.232	45.76	18.63	54.00	8.24	161	58	Horizontal
2	6488.999	57.81	18.65	68.20	10.39	157	262	Horizontal
3	10640.00	53.27	2.22	74.00	20.73	149	5	Horizontal
4	10640.00	41.53	2.22	54.00	12.47	145	34	Horizontal
5	15960.00	53.49	5.01	74.00	20.51	152	139	Horizontal
6	15960.00	42.58	5.01	54.00	11.42	159	34	Horizontal

Final Data List



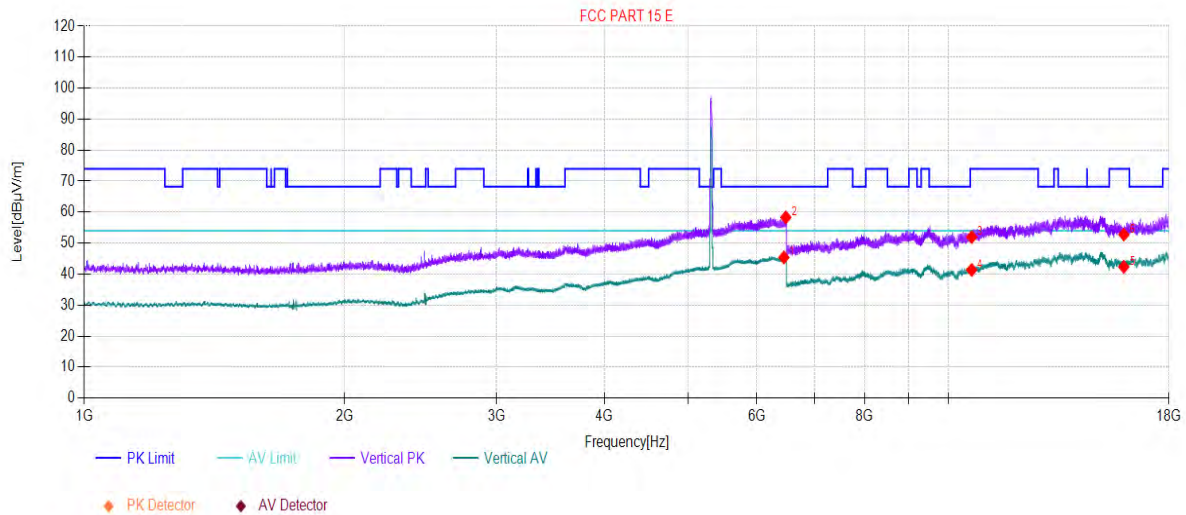
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4.9.2.12 802.11A_Channel 64

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6450.863	45.40	18.44	54.00	8.60	201	242	Vertical
2	6484.599	58.32	18.63	68.20	9.88	211	51	Vertical
3	10640.00	51.97	2.22	74.00	22.03	198	3	Vertical
4	10640.00	41.34	2.22	54.00	12.66	208	41	Vertical
5	15960.00	42.35	5.01	54.00	11.65	195	89	Vertical
6	15960.00	52.76	5.01	74.00	21.24	219	330	Vertical

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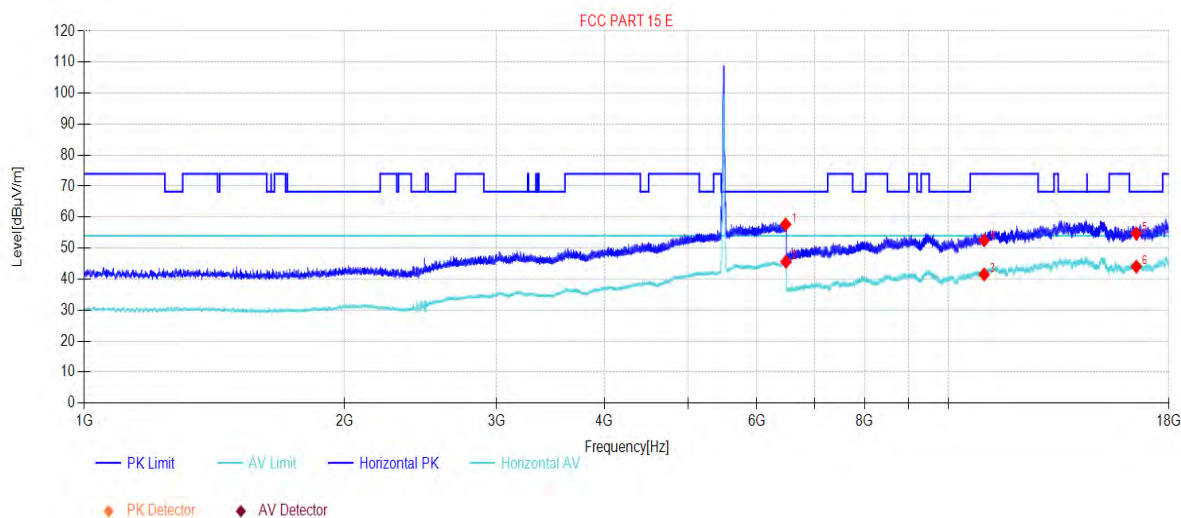
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4.9.2.13 802.11A_Channel 100

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6481.298	57.67	18.61	68.20	10.53	149	356	Horizontal
2	6486.799	45.64	18.64	54.00	8.36	162	3	Horizontal
3	11000.00	41.52	2.74	54.00	12.48	157	224	Horizontal
4	11000.00	52.49	2.74	74.00	21.51	168	329	Horizontal
5	16500.00	54.76	5.09	68.20	13.44	151	52	Horizontal
6	16500.00	44.05	5.09	54.00	9.95	159	234	Horizontal

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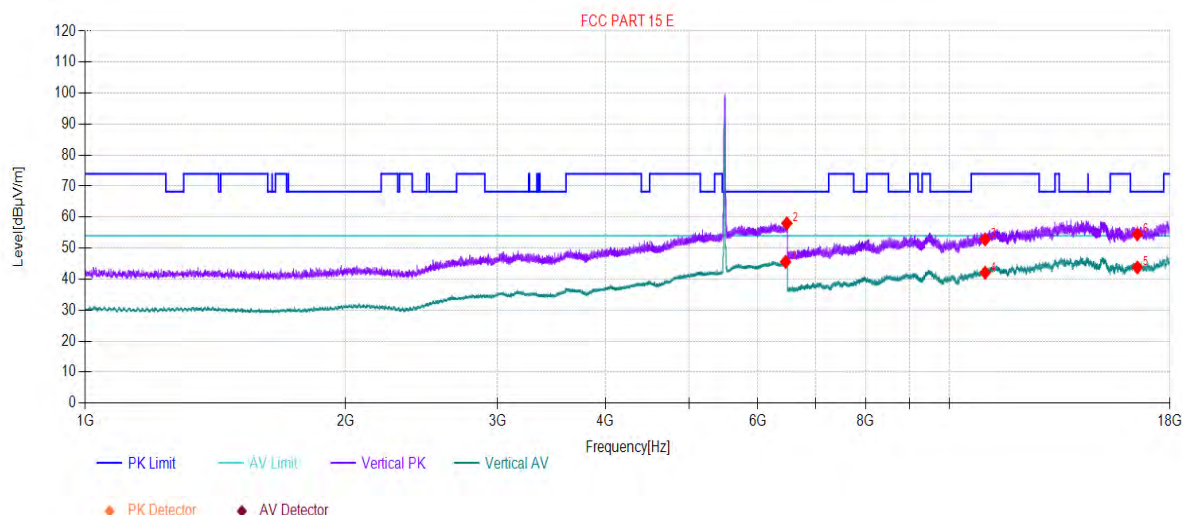
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4.9.2.14 802.11A_Channel 100

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6462.964	45.61	18.51	54.00	8.39	221	158	Vertical
2	6486.065	58.02	18.64	68.20	10.18	220	103	Vertical
3	11000.00	52.84	2.74	74.00	21.16	241	156	Vertical
4	11000.00	42.08	2.74	54.00	11.92	239	70	Vertical
5	16500.00	43.77	5.09	54.00	10.23	272	12	Vertical
6	16500.00	54.47	5.09	68.20	13.73	280	98	Vertical

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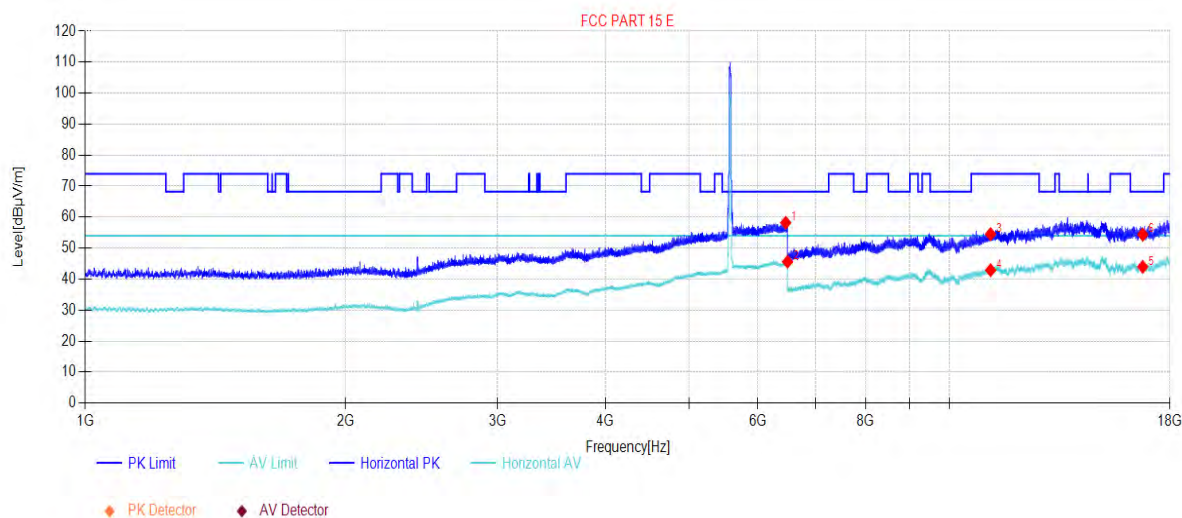
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4.9.2.15 802.11A_Channel 116

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6465.897	58.22	18.53	68.20	9.98	162	16	Horizontal
2	6497.066	45.61	18.70	54.00	8.39	172	168	Horizontal
3	11160.00	54.52	2.54	74.00	19.48	176	310	Horizontal
4	11160.00	42.89	2.54	54.00	11.11	154	32	Horizontal
5	16740.00	43.96	5.53	54.00	10.04	149	118	Horizontal
6	16740.00	54.39	5.53	68.20	13.81	158	261	Horizontal

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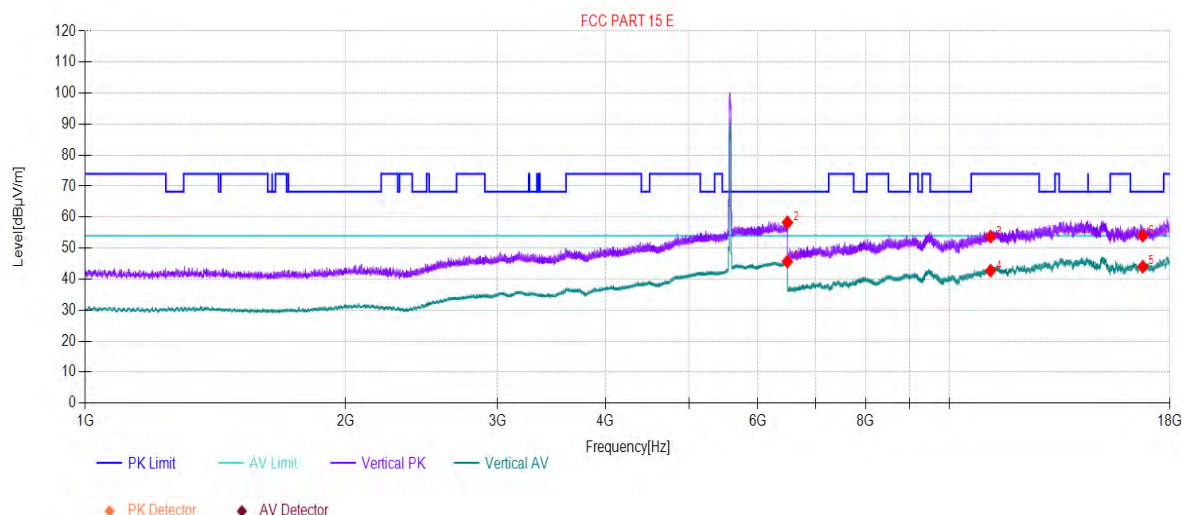
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4.9.2.16 802.11A_Channel 116

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6493.766	45.69	18.68	54.00	8.31	269	99	Vertical
2	6495.233	58.28	18.69	68.20	9.92	286	112	Vertical
3	11160.00	53.71	2.54	74.00	20.29	264	242	Vertical
4	11160.00	42.75	2.54	54.00	11.25	234	41	Vertical
5	16740.00	44.01	5.53	54.00	9.99	272	252	Vertical
6	16740.00	54.04	5.53	68.20	14.16	244	185	Vertical

Final Data List



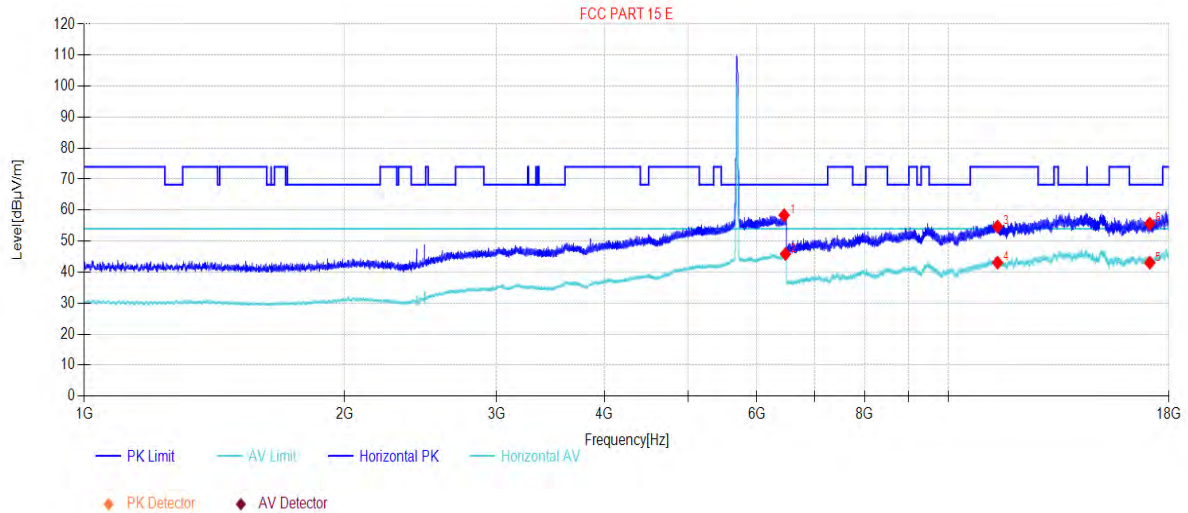
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4.9.2.17 802.11A_Channel 140

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6454.897	58.36	18.46	68.20	9.84	177	255	Horizontal
2	6478.731	45.86	18.60	54.00	8.14	154	276	Horizontal
3	11400.00	54.71	2.54	74.00	19.29	123	282	Horizontal
4	11400.00	43.07	2.54	54.00	10.93	134	109	Horizontal
5	17100.00	43.05	5.72	54.00	10.95	151	215	Horizontal
6	17100.00	55.68	5.72	68.20	12.52	158	253	Horizontal

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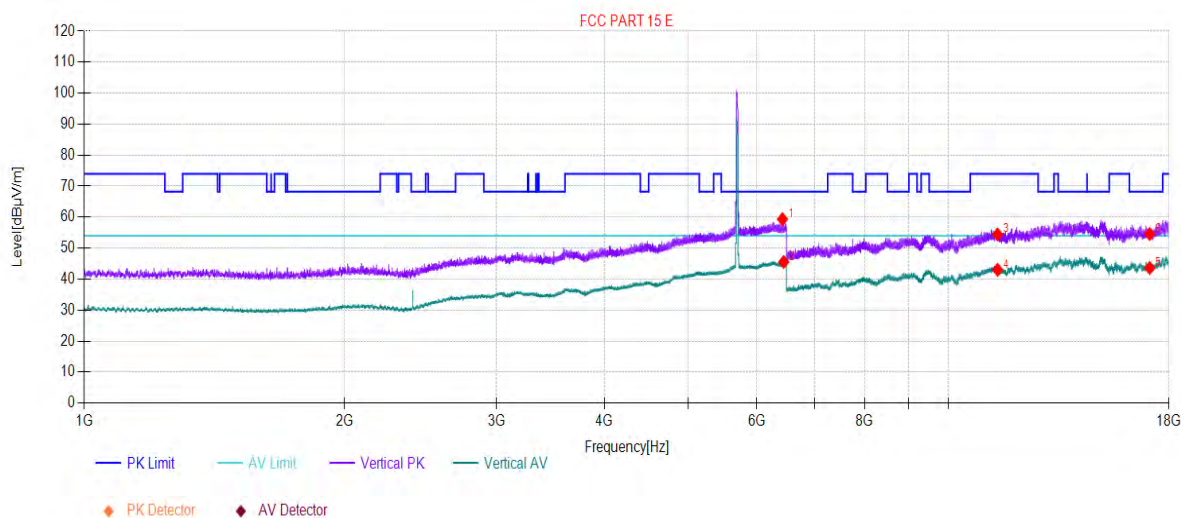
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4.9.2.18 802.11A_Channel 140

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6427.395	59.35	18.31	68.20	8.85	251	262	Vertical
2	6448.296	45.53	18.43	54.00	8.47	237	159	Vertical
3	11400.00	54.43	2.54	74.00	19.57	266	0	Vertical
4	11400.00	43.01	2.54	54.00	10.99	231	320	Vertical
5	17100.00	43.62	5.72	54.00	10.38	254	357	Vertical
6	17100.00	54.55	5.72	68.20	13.65	256	4	Vertical

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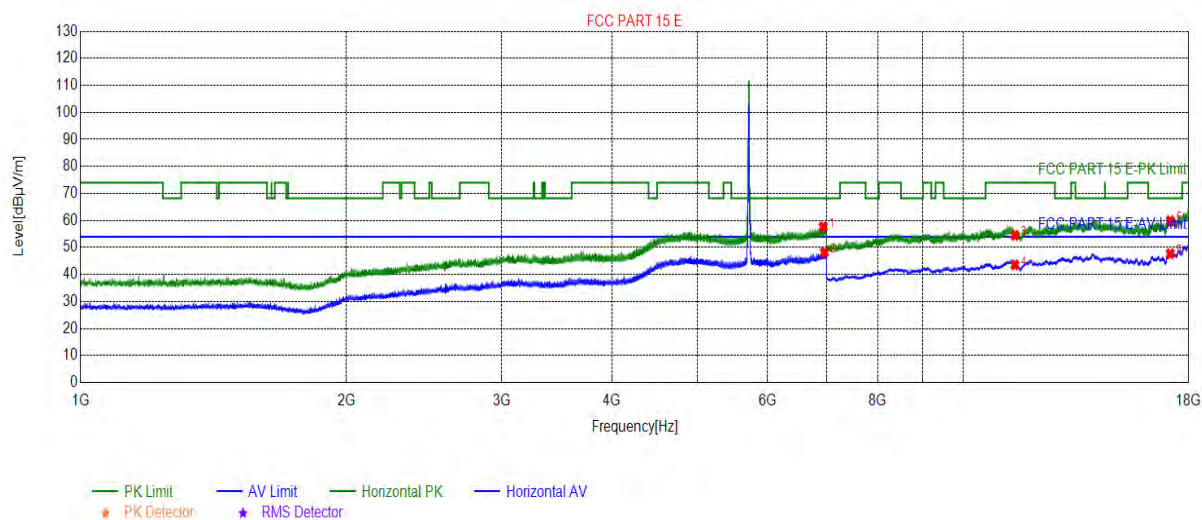
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4.9.2.19 802.11A_Channel 144

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	57.65	21.67	68.20	10.55	165	31	Horizontal
2	6962.798	48.17	21.75	54.00	5.83	135	167	Horizontal
3	11440.00	54.47	-1.12	74.00	19.53	178	320	Horizontal
4	11440.00	43.56	-1.12	54.00	10.44	165	17	Horizontal
5	17160.00	47.68	1.53	54.00	6.32	122	69	Horizontal
6	17160.00	59.88	1.53	68.20	8.32	169	201	Horizontal

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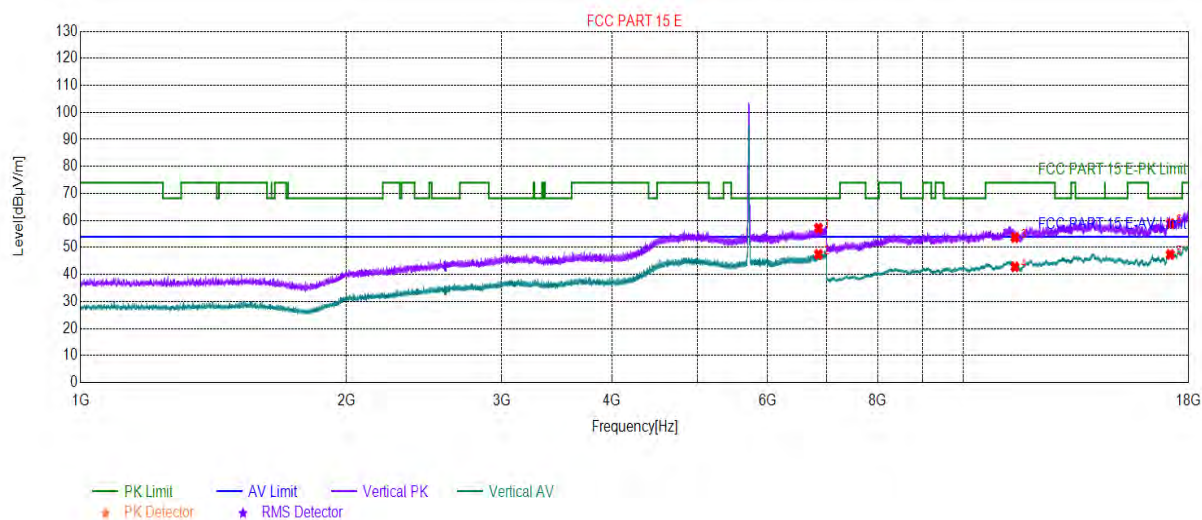
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4.9.2.20

802.11A_Channel 144

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6854.192	57.16	21.44	68.20	11.04	235	210	Vertical
2	6854.792	47.47	21.44	54.00	6.53	289	261	Vertical
3	11440.00	53.67	-1.12	74.00	20.33	241	325	Vertical
4	11440.00	42.82	-1.12	54.00	11.18	263	222	Vertical
5	17160.00	47.39	1.53	54.00	6.61	288	256	Vertical
6	17160.00	58.83	1.53	68.20	9.37	265	342	Vertical

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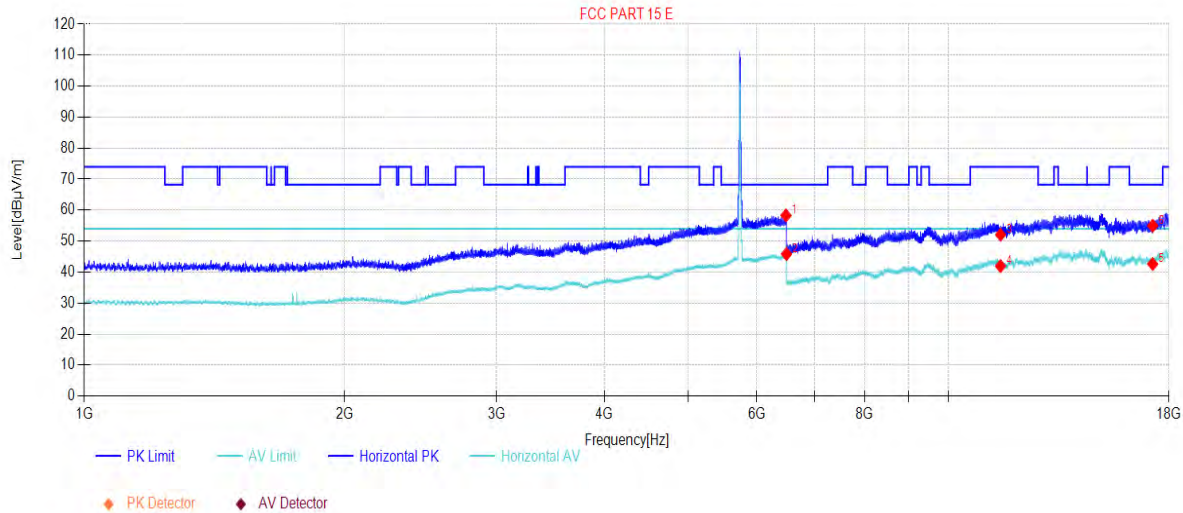
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4.9.2.21 802.11A_Channel 149

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6487.899	58.30	18.65	68.20	9.90	164	112	Horizontal
2	6497.433	45.86	18.70	54.00	8.14	144	248	Horizontal
3	11490.00	52.08	2.10	74.00	21.92	179	129	Horizontal
4	11490.00	41.97	2.10	54.00	12.03	150	62	Horizontal
5	17235.00	42.62	6.10	54.00	11.38	132	100	Horizontal
6	17235.00	54.97	6.10	68.20	13.23	155	348	Horizontal

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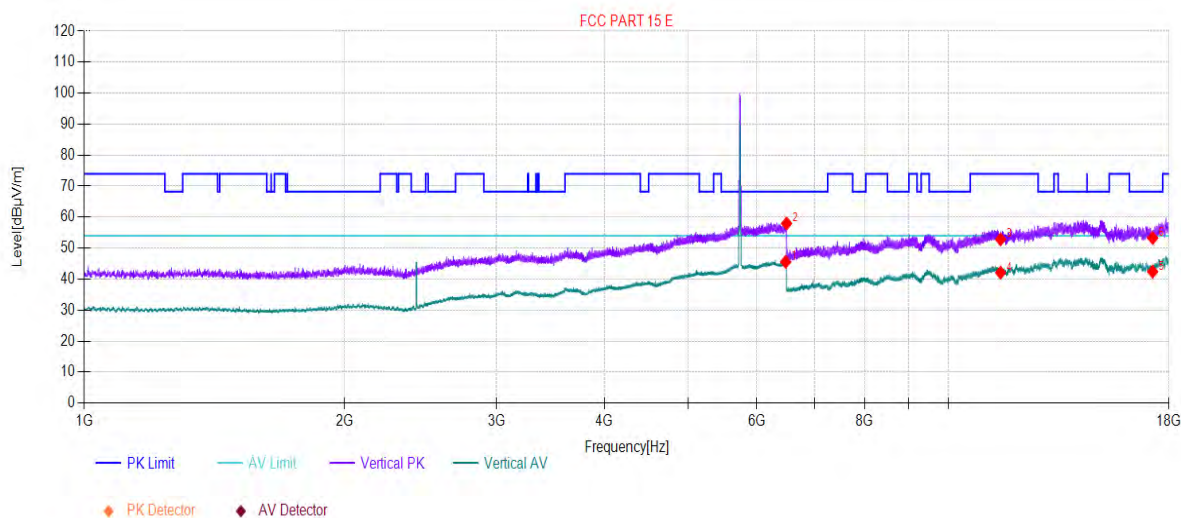
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4.9.2.22

802.11A_Channel 149

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6481.298	45.59	18.61	54.00	8.41	232	269	Vertical
2	6498.533	57.96	18.71	68.20	10.24	252	146	Vertical
3	11490.00	52.83	2.10	74.00	21.17	265	300	Vertical
4	11490.00	42.10	2.10	54.00	11.90	274	253	Vertical
5	17235.00	42.42	6.10	54.00	11.58	281	7	Vertical
6	17235.00	53.29	6.10	68.20	14.91	249	72	Vertical

Final Data List



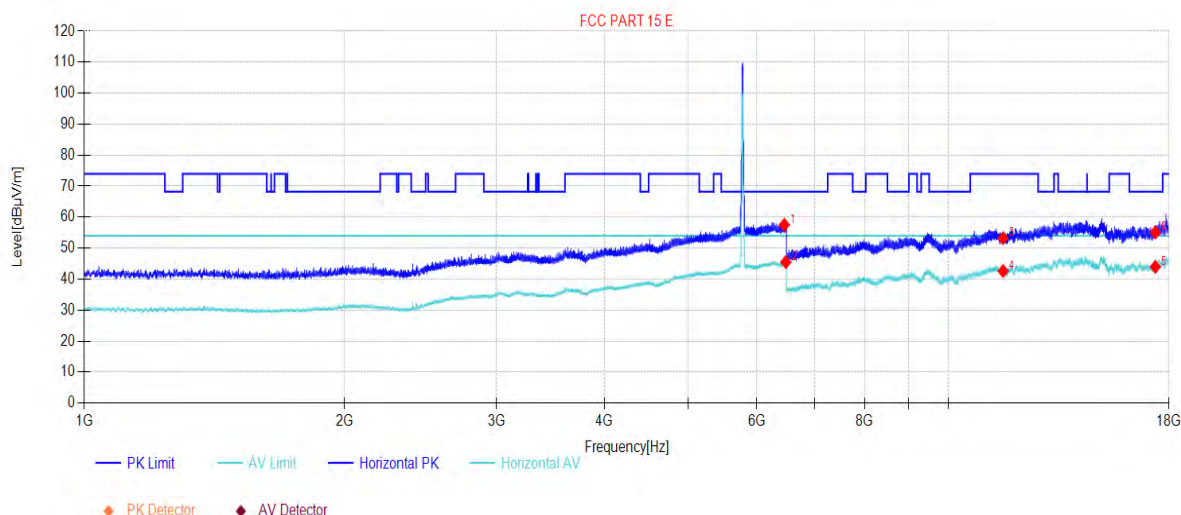
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4.9.2.23

802.11A_Channel 157

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6458.197	57.51	18.48	68.20	10.69	151	235	Horizontal
2	6483.865	45.50	18.63	54.00	8.50	130	180	Horizontal
3	11570.00	53.21	2.92	74.00	20.79	125	25	Horizontal
4	11570.00	42.61	2.92	54.00	11.39	154	273	Horizontal
5	17355.00	43.97	6.75	54.00	10.03	162	348	Horizontal
6	17355.00	55.10	6.75	68.20	13.10	144	196	Horizontal

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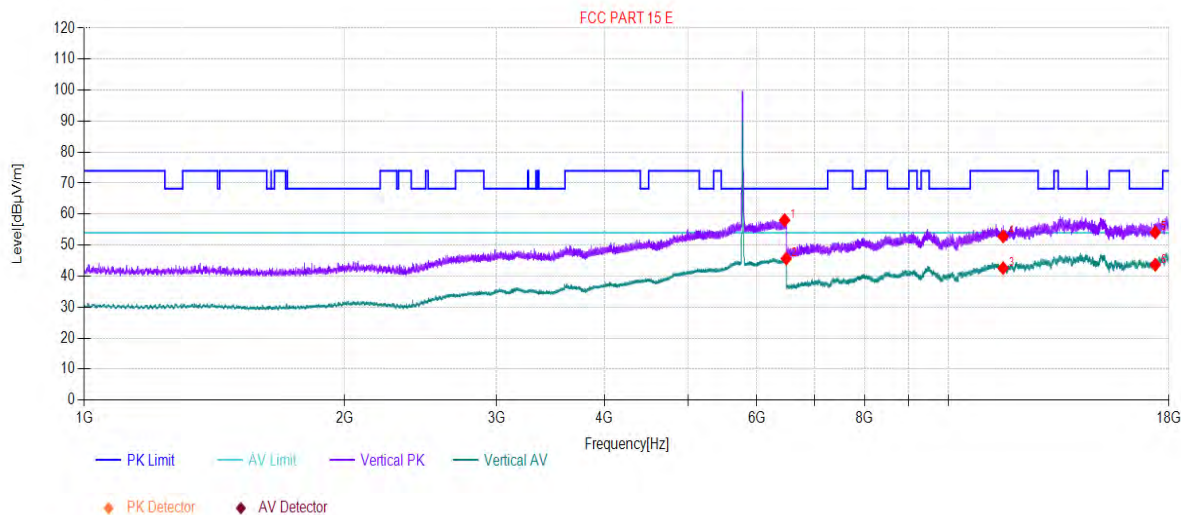
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4.9.2.24

802.11A_Channel 157

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6464.797	58.08	18.52	68.20	10.12	252	214	Vertical
2	6491.932	45.67	18.67	54.00	8.33	281	194	Vertical
3	11570.00	42.59	2.92	54.00	11.41	266	357	Vertical
4	11570.00	52.83	2.92	74.00	21.17	296	320	Vertical
5	17355.00	54.12	6.75	68.20	14.08	222	244	Vertical
6	17355.00	43.67	6.75	54.00	10.33	269	60	Vertical

Final Data List

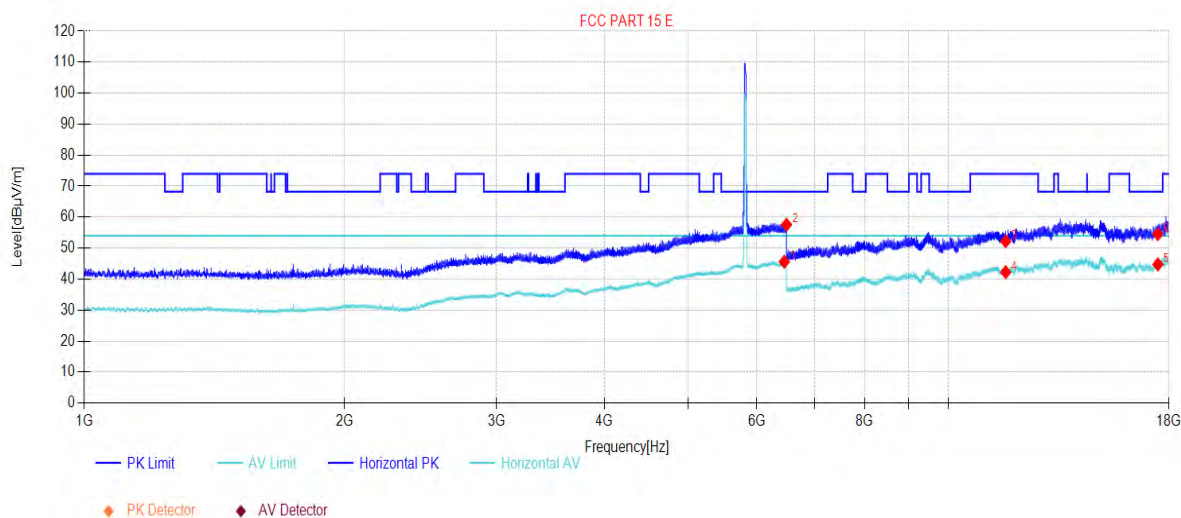


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4.9.2.25 802.11A_Channel 165

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6457.830	45.64	18.48	54.00	8.36	141	133	Horizontal
2	6497.066	57.58	18.70	68.20	10.62	166	284	Horizontal
3	11650.00	52.22	2.58	74.00	21.78	154	244	Horizontal
4	11650.00	42.26	2.58	54.00	11.74	161	167	Horizontal
5	17475.00	44.76	7.42	54.00	9.24	170	100	Horizontal
6	17475.00	54.51	7.42	68.20	13.69	148	272	Horizontal

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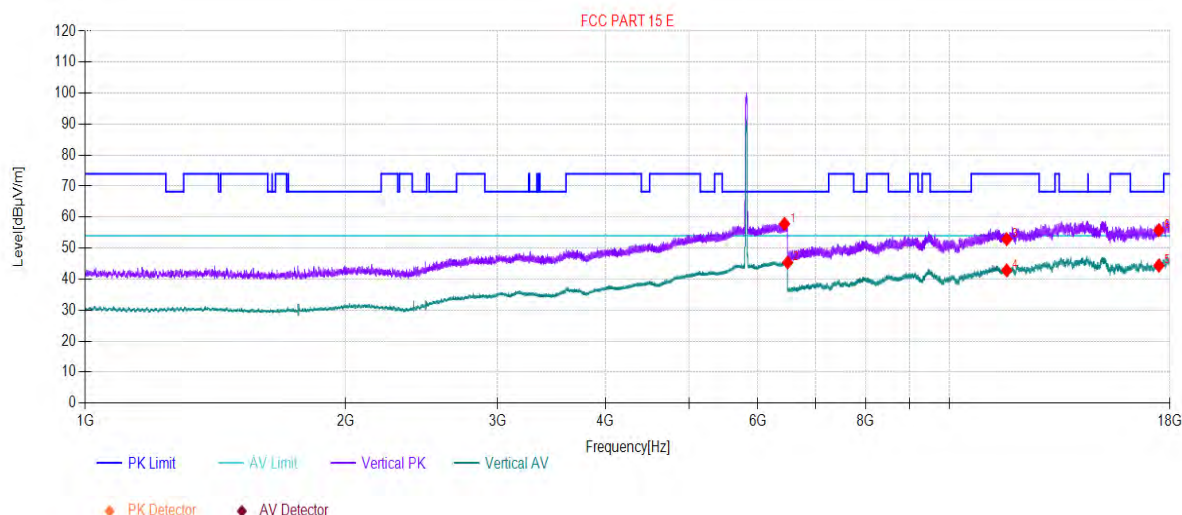
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4.9.2.26

802.11A_Channel 165

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6445.363	57.82	18.41	68.20	10.38	150	248	Vertical
2	6499.266	45.38	18.71	54.00	8.62	150	91	Vertical
3	11650.00	52.87	2.58	74.00	21.13	150	45	Vertical
4	11650.00	42.81	2.58	54.00	11.19	150	197	Vertical
5	17475.00	44.36	7.42	54.00	9.64	150	93	Vertical
6	17475.00	55.81	7.42	68.20	12.39	150	7	Vertical

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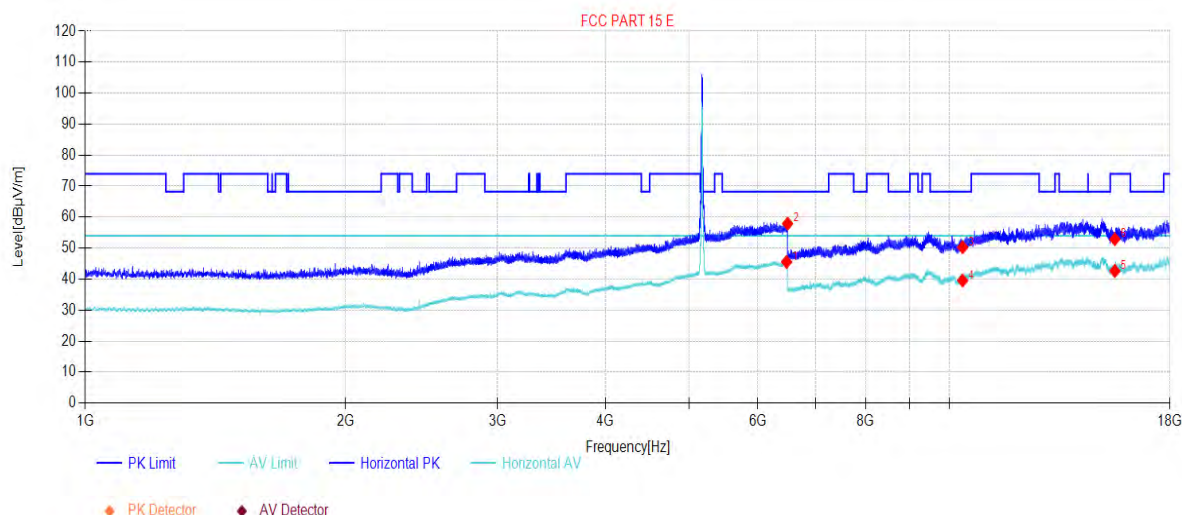
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4.9.2.27 802.11N20_Channel 36

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6480.565	45.57	18.61	54.00	8.43	154	208	Horizontal
2	6498.899	57.91	18.71	68.20	10.29	132	242	Horizontal
3	10360.00	50.27	2.38	68.20	17.93	133	262	Horizontal
4	10360.00	39.56	2.38	54.00	14.44	154	253	Horizontal
5	15540.00	42.62	5.88	54.00	11.38	170	357	Horizontal
6	15540.00	52.89	5.88	74.00	21.11	167	262	Horizontal

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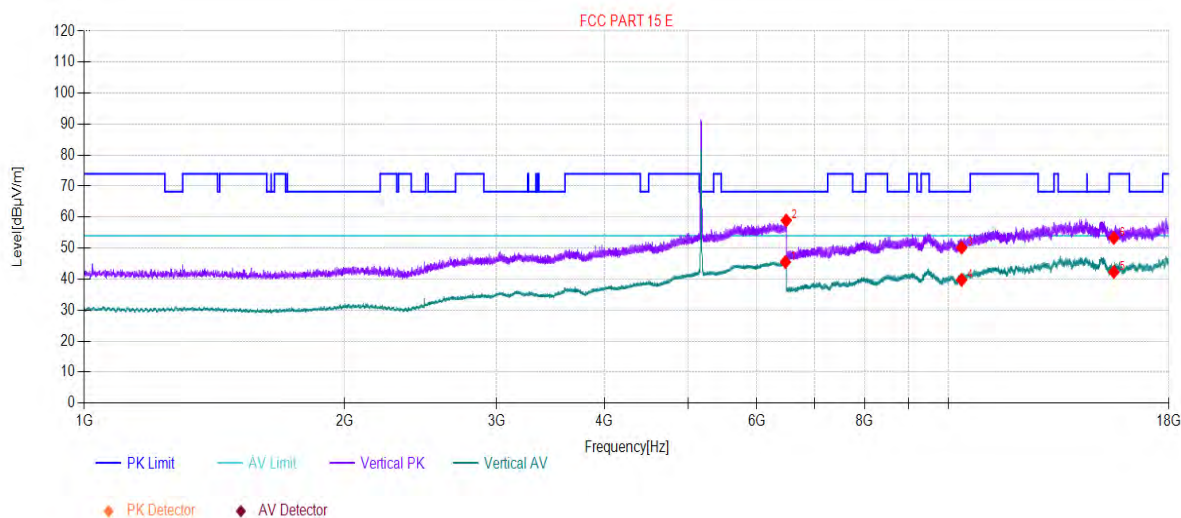
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4.9.2.28

802.11N20_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	6476.531	45.51	18.58	54.00	8.49	287	57	Vertical
2	6491.932	58.94	18.67	68.20	9.26	222	269	Vertical
3	10360.00	50.15	2.38	68.20	18.05	246	320	Vertical
4	10360.00	39.74	2.38	54.00	14.26	230	0	Vertical
5	15540.00	42.29	5.88	54.00	11.71	232	110	Vertical
6	15540.00	53.28	5.88	74.00	20.72	296	186	Vertical

Final Data List

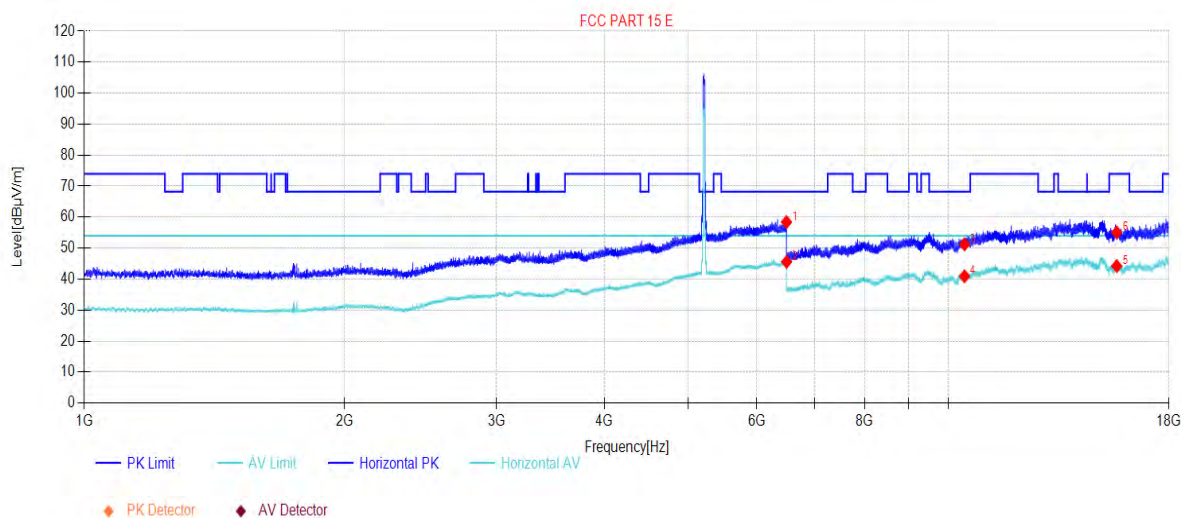


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4.9.2.29 802.11N20_Channel 44

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6495.599	58.40	18.69	68.20	9.80	169	85	Horizontal
2	6497.799	45.57	18.70	54.00	8.43	175	276	Horizontal
3	10440.00	51.23	2.46	68.20	16.97	185	244	Horizontal
4	10440.00	40.93	2.46	54.00	13.07	182	215	Horizontal
5	15660.00	44.23	6.12	54.00	9.77	155	157	Horizontal
6	15660.00	55.06	6.12	74.00	18.94	151	157	Horizontal

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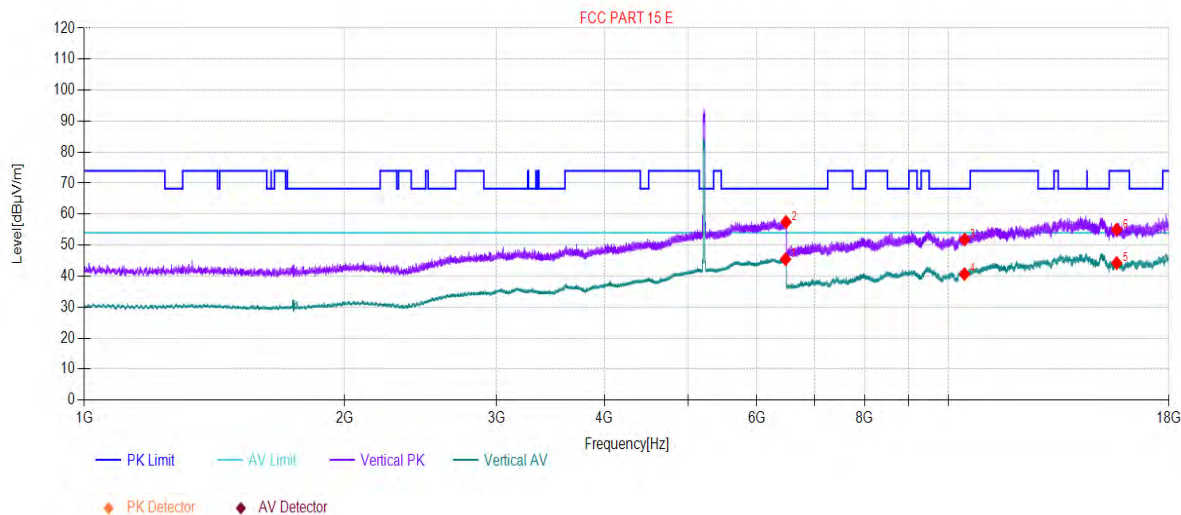
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4.9.2.30 802.11N20_Channel 44

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6479.832	45.45	18.60	54.00	8.55	236	42	Vertical
2	6488.265	57.47	18.65	68.20	10.73	291	97	Vertical
3	10440.00	51.83	2.46	68.20	16.37	245	195	Vertical
4	10440.00	40.67	2.46	54.00	13.33	263	300	Vertical
5	15660.00	44.22	6.12	54.00	9.78	244	62	Vertical
6	15660.00	54.98	6.12	74.00	19.02	275	224	Vertical

Final Data List

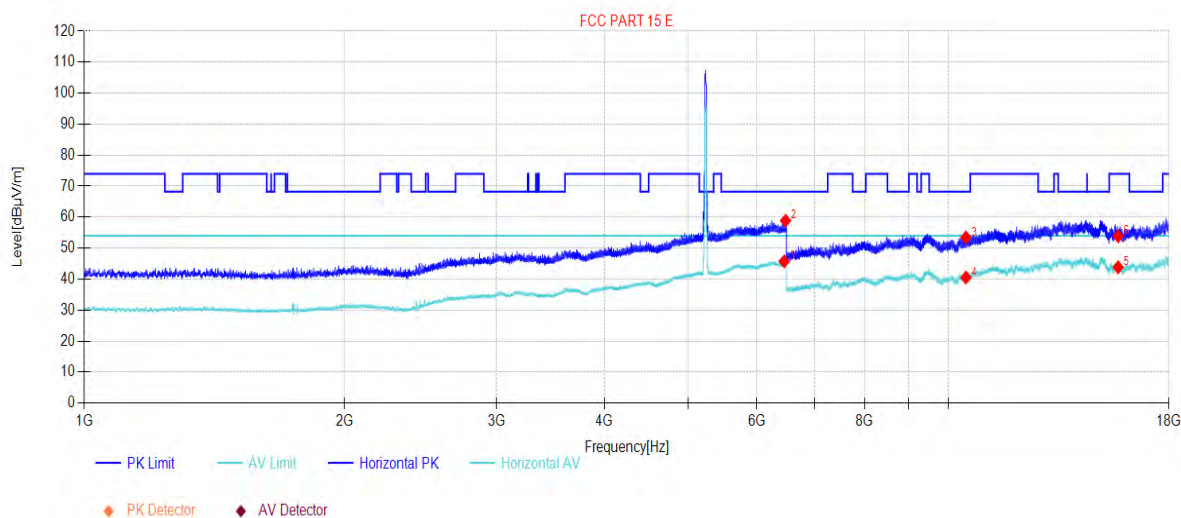


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4.9.2.31 802.11N20_Channel 48

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6456.363	45.73	18.47	54.00	8.27	157	220	Horizontal
2	6479.832	58.86	18.60	68.20	9.34	145	125	Horizontal
3	10480.00	53.44	2.49	68.20	14.76	175	177	Horizontal
4	10480.00	40.54	2.49	54.00	13.46	134	54	Horizontal
5	15720.00	43.83	5.92	54.00	10.17	176	82	Horizontal
6	15720.00	53.82	5.92	74.00	20.18	144	357	Horizontal

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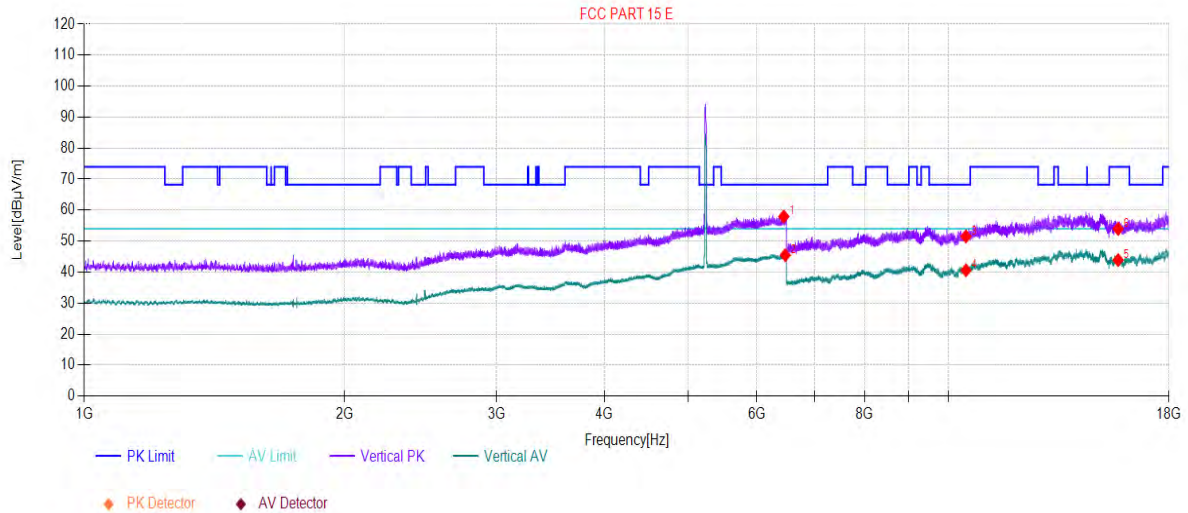
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4.9.2.32 802.11N20_Channel 48

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6449.029	57.93	18.43	68.20	10.27	288	254	Vertical
2	6474.331	45.48	18.57	54.00	8.52	245	111	Vertical
3	10480.00	51.52	2.49	68.20	16.68	282	233	Vertical
4	10480.00	40.62	2.49	54.00	13.38	276	70	Vertical
5	15720.00	43.87	5.92	54.00	10.13	223	223	Vertical
6	15720.00	53.95	5.92	74.00	20.05	233	40	Vertical

Final Data List



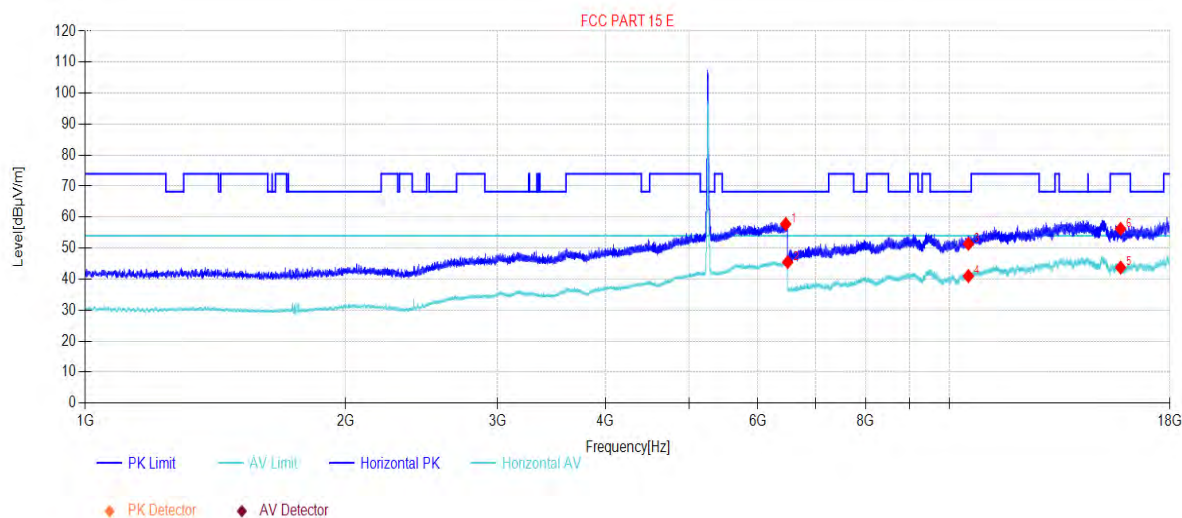
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4.9.2.33 802.11N20_Channel 52

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6465.897	57.77	18.53	68.20	10.43	124	180	Horizontal
2	6500.000	45.49	18.72	54.00	8.51	123	64	Horizontal
3	10520.00	51.39	2.45	68.20	16.81	164	158	Horizontal
4	10520.00	41.00	2.45	54.00	13.00	131	148	Horizontal
5	15780.00	43.74	5.30	54.00	10.26	132	282	Horizontal
6	15780.00	56.25	5.30	74.00	17.75	127	177	Horizontal

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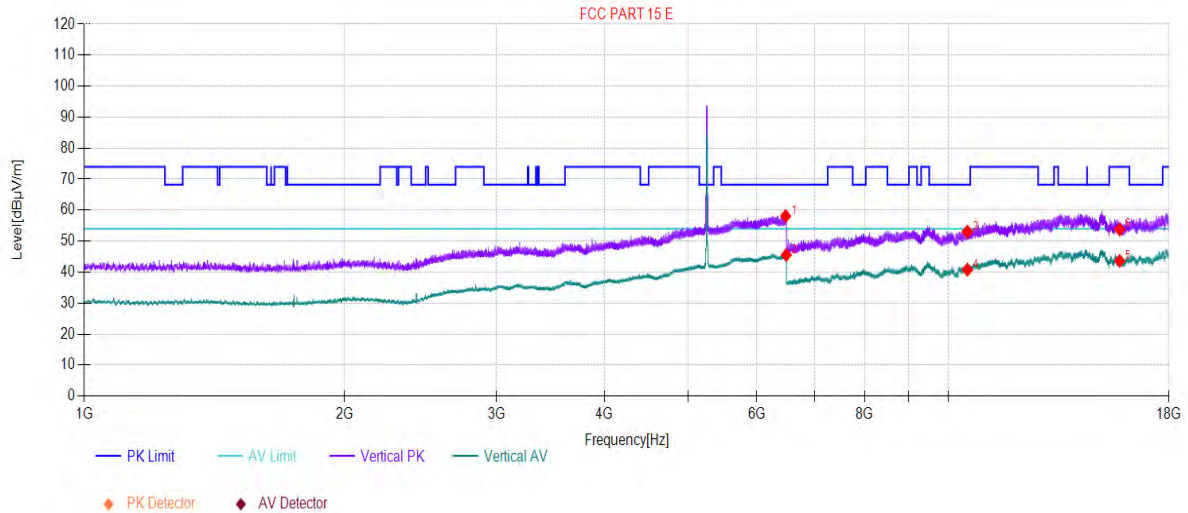
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4.9.2.34 802.11N20_Channel 52

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6482.032	58.11	18.62	68.20	10.09	221	232	Vertical
2	6492.666	45.56	18.67	54.00	8.44	248	326	Vertical
3	10520.00	53.05	2.45	68.20	15.15	298	38	Vertical
4	10520.00	40.82	2.45	54.00	13.18	256	38	Vertical
5	15780.00	43.63	5.30	54.00	10.37	251	256	Vertical
6	15780.00	53.76	5.30	74.00	20.24	287	246	Vertical

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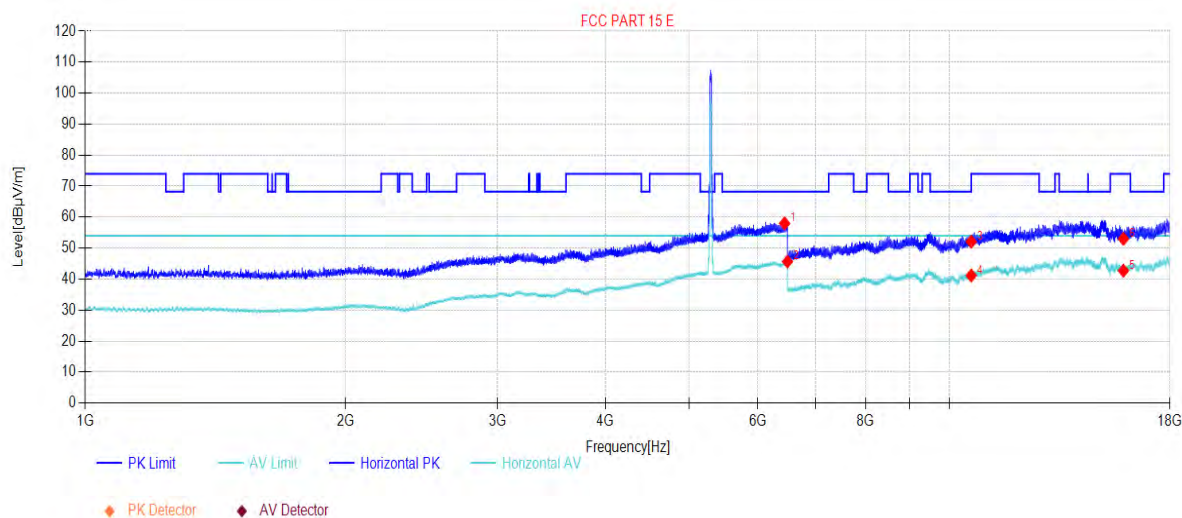
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4.9.2.35 802.11N20_Channel 60

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6446.463	57.98	18.42	68.20	10.22	128	153	Horizontal
2	6495.966	45.66	18.69	54.00	8.34	174	174	Horizontal
3	10600.00	52.07	2.23	74.00	21.93	105	168	Horizontal
4	10600.00	41.18	2.23	54.00	12.82	164	348	Horizontal
5	15900.00	42.72	5.29	54.00	11.28	177	129	Horizontal
6	15900.00	53.01	5.29	74.00	20.99	154	215	Horizontal

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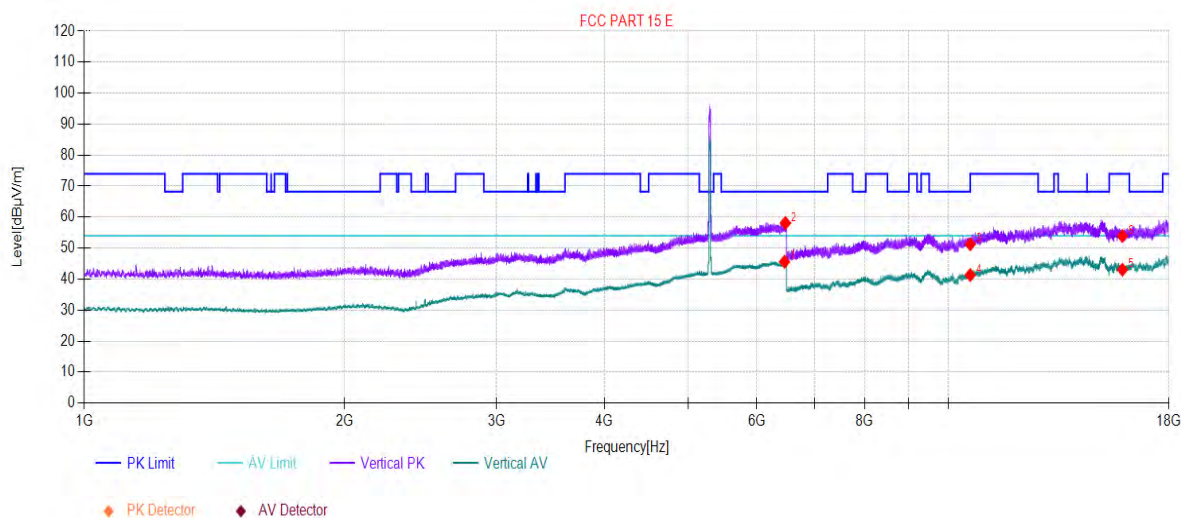
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4.9.2.36

802.11N20_Channel 60

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6461.864	45.63	18.50	54.00	8.37	221	187	Vertical
2	6477.998	58.12	18.59	68.20	10.08	289	146	Vertical
3	10600.00	51.27	2.23	74.00	22.73	255	121	Vertical
4	10600.00	41.34	2.23	54.00	12.66	256	339	Vertical
5	15900.00	43.07	5.29	54.00	10.93	221	45	Vertical
6	15900.00	53.93	5.29	74.00	20.07	238	234	Vertical

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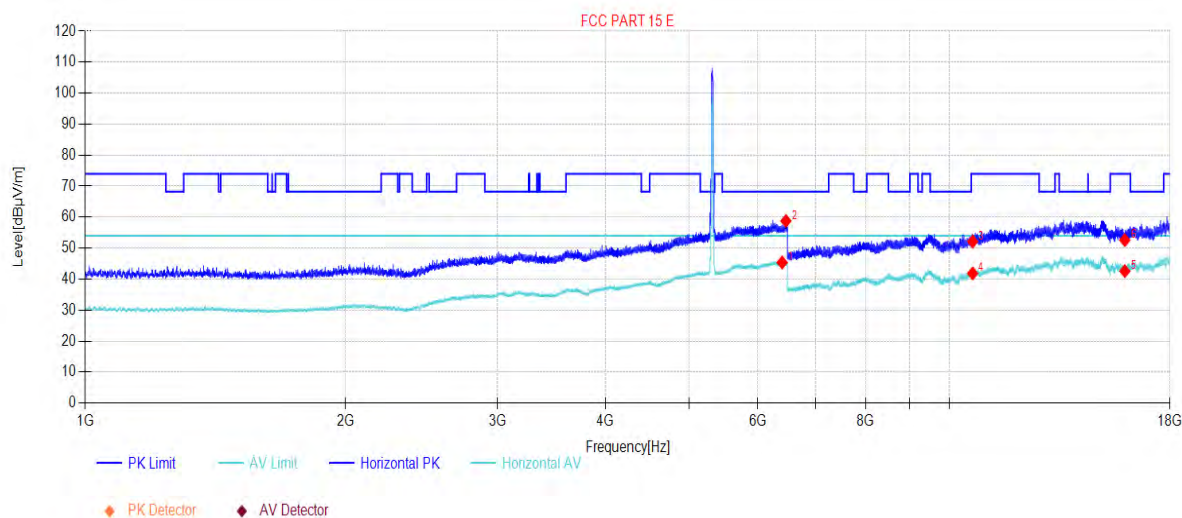
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4.9.2.37 802.11N20_Channel 64

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6404.293	45.39	18.18	54.00	8.61	132	194	Horizontal
2	6469.197	58.76	18.54	68.20	9.44	182	331	Horizontal
3	10640.00	52.13	2.22	74.00	21.87	157	320	Horizontal
4	10640.00	41.86	2.22	54.00	12.14	171	52	Horizontal
5	15960.00	42.58	5.01	54.00	11.42	180	186	Horizontal
6	15960.00	52.60	5.01	74.00	21.40	231	23	Horizontal

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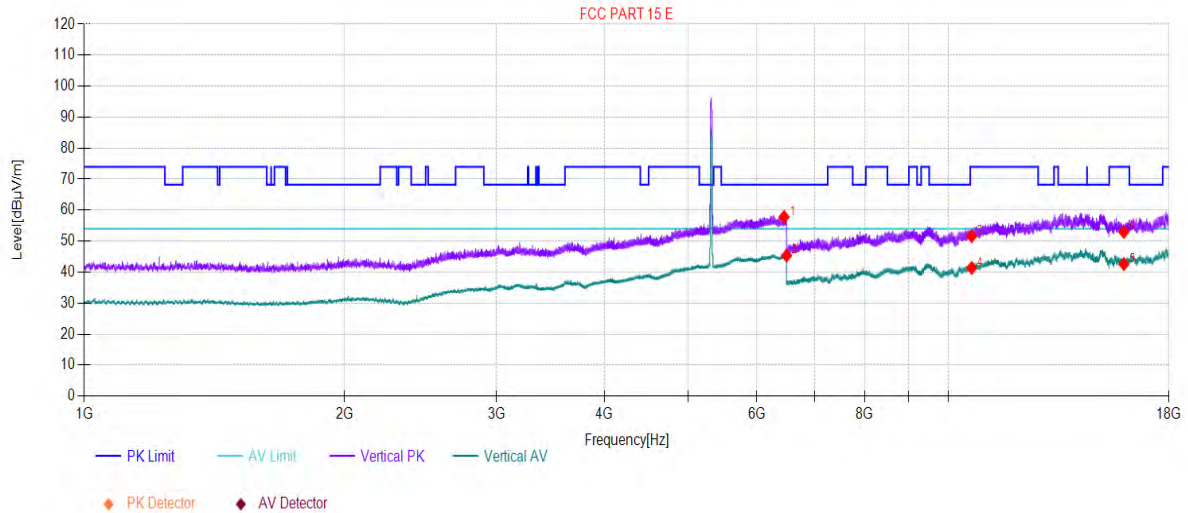
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4.9.2.38 802.11N20_Channel 64

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6453.796	57.79	18.46	68.20	10.41	248	323	Vertical
2	6496.699	45.36	18.70	54.00	8.64	241	119	Vertical
3	10640.00	51.63	2.22	74.00	22.37	278	231	Vertical
4	10640.00	41.35	2.22	54.00	12.65	215	164	Vertical
5	15960.00	42.61	5.01	54.00	11.39	255	289	Vertical
6	15960.00	52.99	5.01	74.00	21.01	246	59	Vertical

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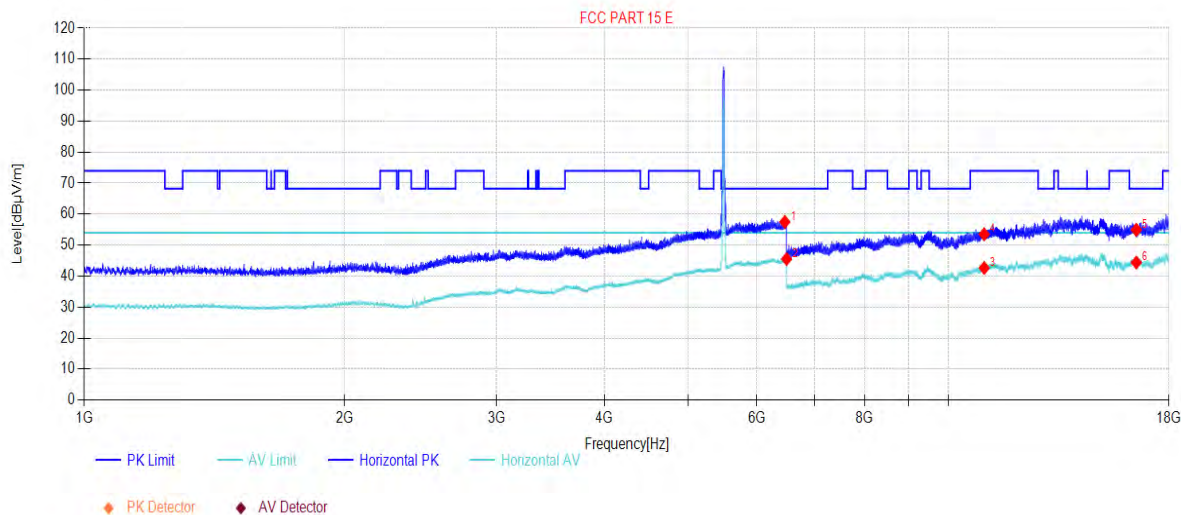
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4.9.2.39 802.11N20_Channel 100

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6467.364	57.48	18.53	68.20	10.72	164	23	Horizontal
2	6497.799	45.54	18.70	54.00	8.46	153	360	Horizontal
3	11000.00	42.64	2.74	54.00	11.36	144	253	Horizontal
4	11000.00	53.51	2.74	74.00	20.49	152	244	Horizontal
5	16500.00	54.96	5.09	68.20	13.24	154	301	Horizontal
6	16500.00	44.40	5.09	54.00	9.60	139	15	Horizontal

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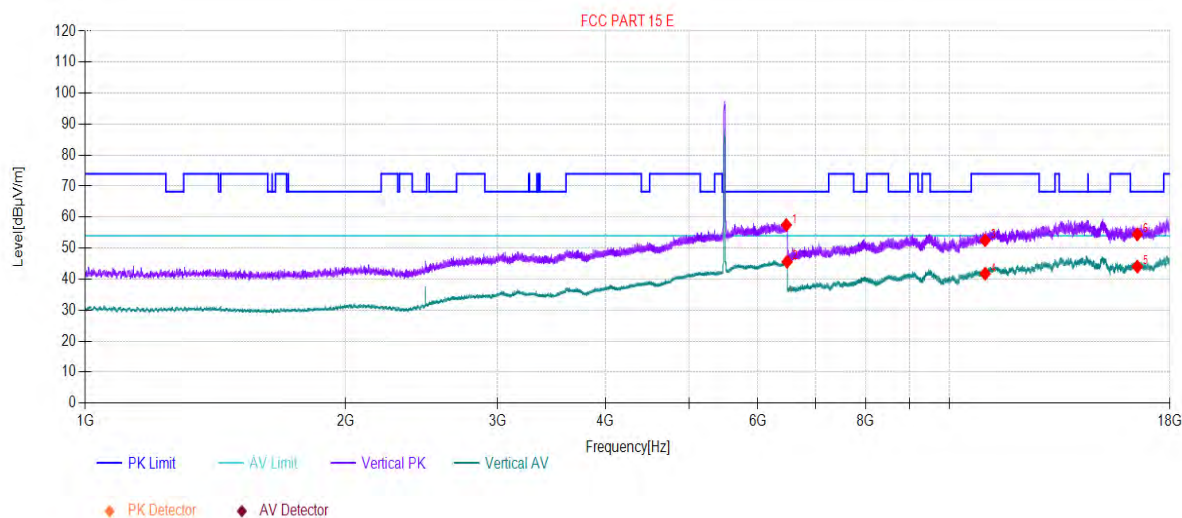
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Report No.: AR/2020/C001005
Page: 67 of 436

4.9.2.40 802.11N20_Channel 100

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6476.165	57.47	18.58	68.20	10.73	238	84	Vertical
2	6489.366	45.62	18.66	54.00	8.38	245	77	Vertical
3	11000.00	52.51	2.74	74.00	21.49	254	357	Vertical
4	11000.00	41.77	2.74	54.00	12.23	224	118	Vertical
5	16500.00	44.03	5.09	54.00	9.97	278	167	Vertical
6	16500.00	54.46	5.09	68.20	13.74	290	310	Vertical

Final Data List



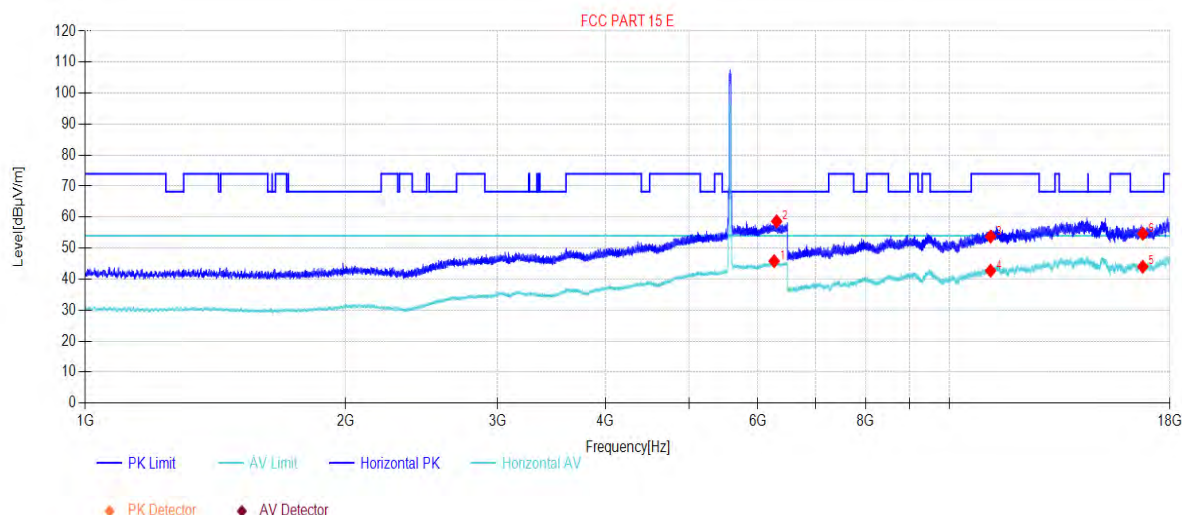
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4.9.2.41 802.11N20_Channel 116

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6268.617	45.80	18.33	54.00	8.20	153	117	Horizontal
2	6310.787	58.66	18.45	68.20	9.54	148	138	Horizontal
3	11160.00	53.75	2.54	74.00	20.25	159	253	Horizontal
4	11160.00	42.72	2.54	54.00	11.28	162	119	Horizontal
5	16740.00	44.01	5.53	54.00	9.99	157	348	Horizontal
6	16740.00	54.66	5.53	68.20	13.54	143	272	Horizontal

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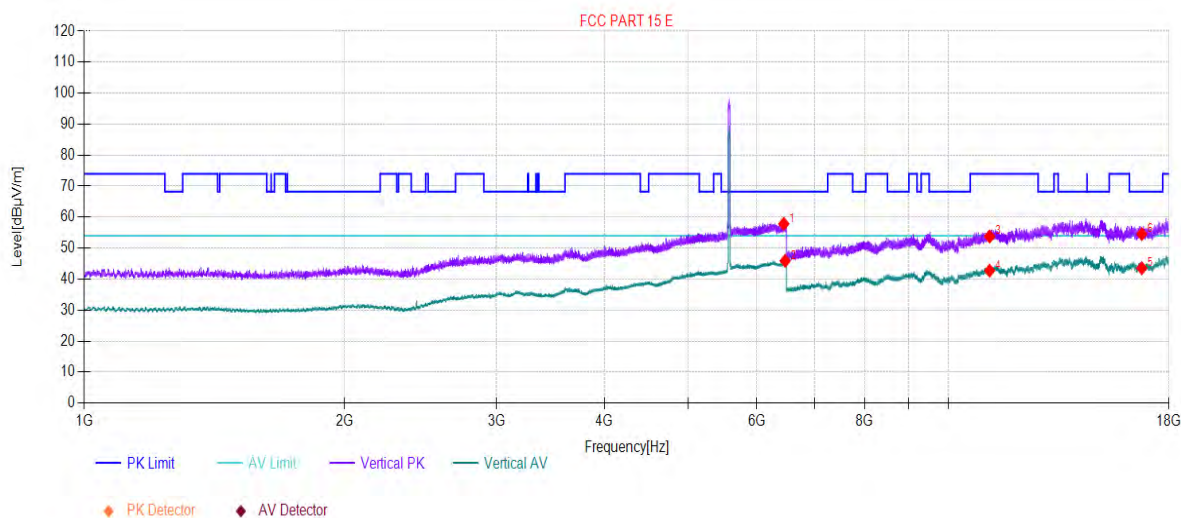
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4.9.2.42 802.11N20_Channel 116

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6449.396	57.83	18.43	68.20	10.37	249	146	Vertical
2	6472.131	45.89	18.56	54.00	8.11	247	193	Vertical
3	11160.00	53.77	2.54	74.00	20.23	275	89	Vertical
4	11160.00	42.75	2.54	54.00	11.25	280	281	Vertical
5	16740.00	43.52	5.53	54.00	10.48	250	156	Vertical
6	16740.00	54.55	5.53	68.20	13.65	238	204	Vertical

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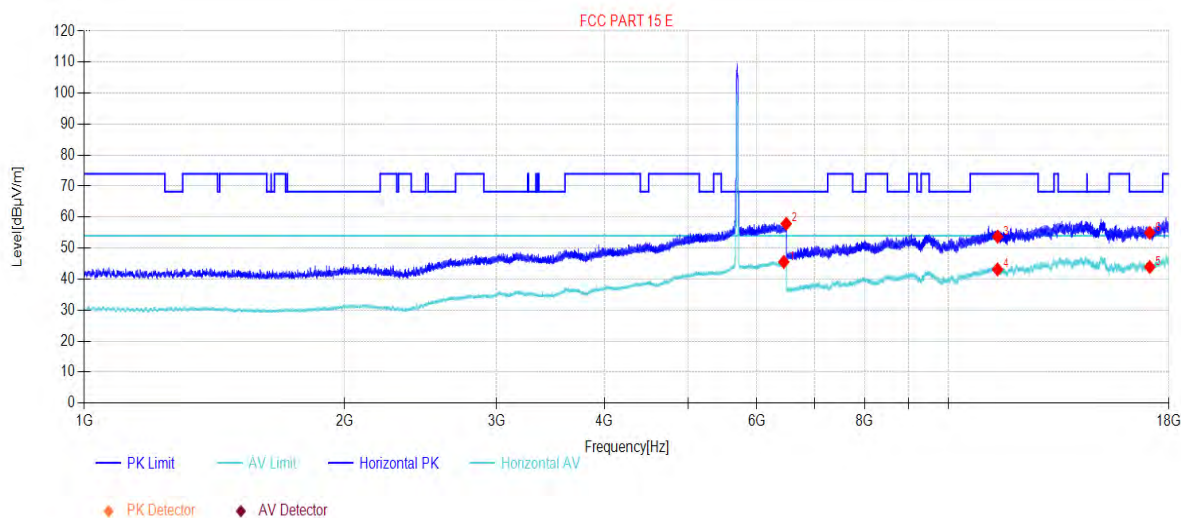
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4.9.2.43 802.11N20_Channel 140

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6449.396	45.57	18.43	54.00	8.43	152	165	Horizontal
2	6491.932	57.87	18.67	68.20	10.33	148	213	Horizontal
3	11400.00	53.70	2.54	74.00	20.30	152	319	Horizontal
4	11400.00	43.12	2.54	54.00	10.88	135	357	Horizontal
5	17100.00	43.90	5.72	54.00	10.10	164	62	Horizontal
6	17100.00	54.96	5.72	68.20	13.24	147	119	Horizontal

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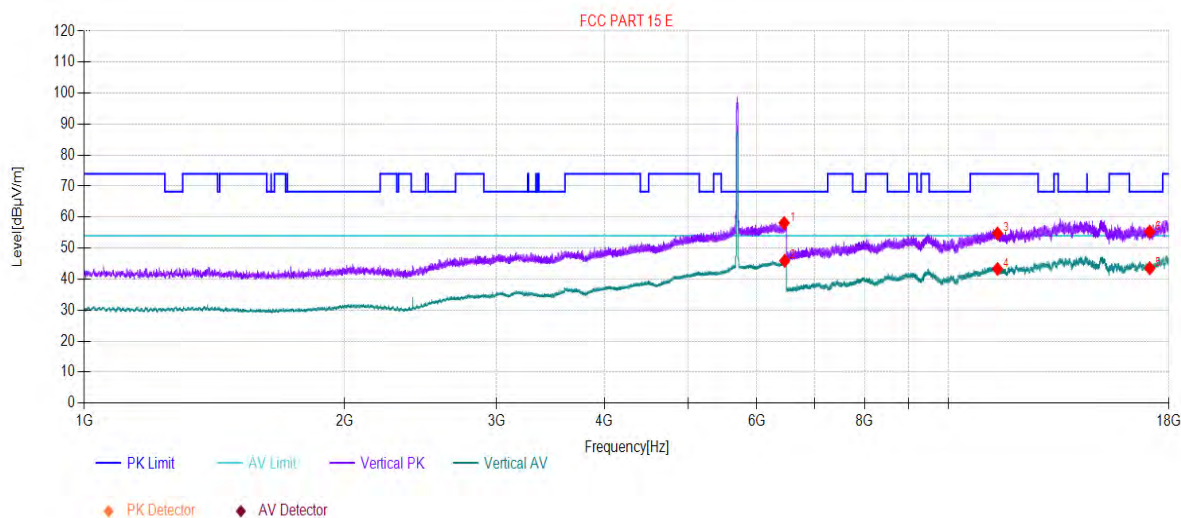
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4.9.2.44 802.11N20_Channel 140

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6455.630	58.13	18.47	68.20	10.07	234	214	Vertical
2	6465.897	45.91	18.53	54.00	8.09	245	16	Vertical
3	11400.00	54.74	2.54	74.00	19.26	220	206	Vertical
4	11400.00	43.27	2.54	54.00	10.73	246	253	Vertical
5	17100.00	43.51	5.72	54.00	10.49	229	140	Vertical
6	17100.00	55.29	5.72	68.20	12.91	271	82	Vertical

Final Data List

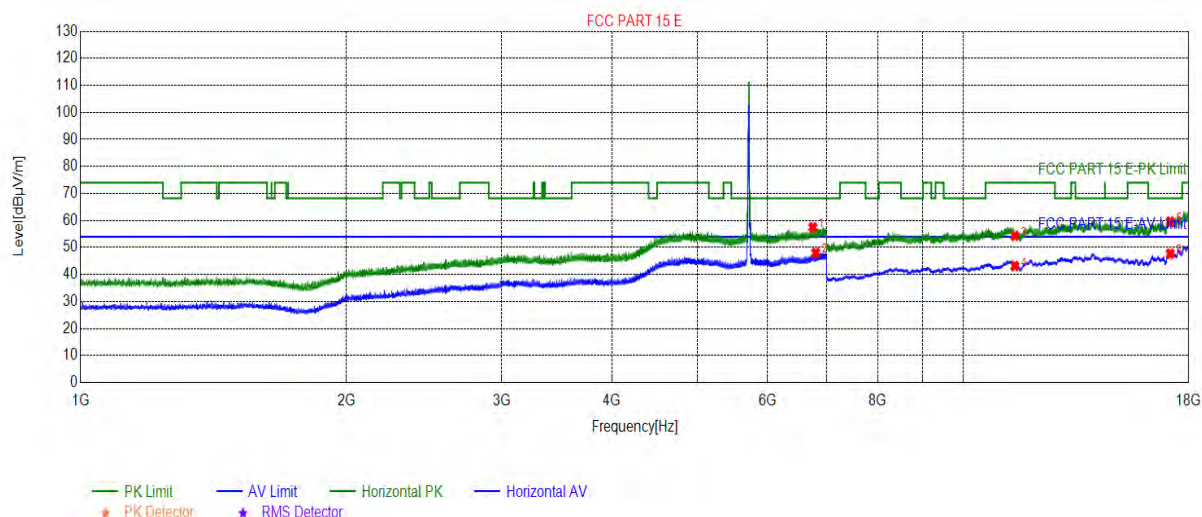


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4.9.2.45 802.11N20_Channel 144

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6754.587	57.44	21.25	68.20	10.76	132	82	Horizontal
2	6806.190	48.01	21.06	54.00	5.99	157	185	Horizontal
3	11440.00	54.32	-1.12	74.00	19.68	184	90	Horizontal
4	11440.00	43.15	-1.12	54.00	10.85	165	180	Horizontal
5	17160.00	47.67	1.53	54.00	6.33	189	344	Horizontal
6	17160.00	59.51	1.53	68.20	8.69	191	56	Horizontal

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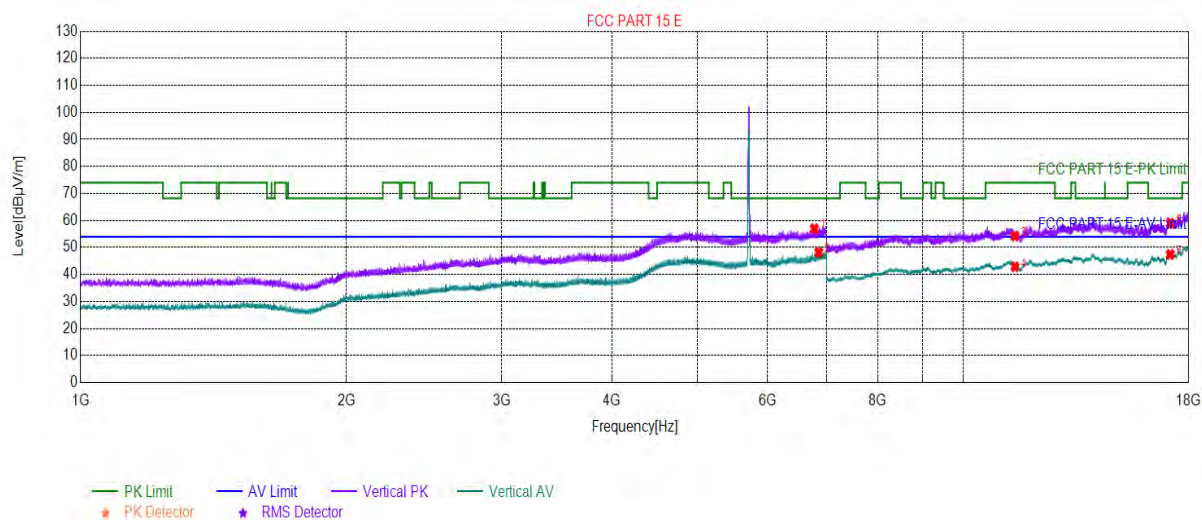
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4.9.2.46

802.11N20_Channel 144

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6781.589	56.95	21.10	68.20	11.25	278	192	Vertical
2	6858.993	48.22	21.43	54.00	5.78	253	295	Vertical
3	11440.00	54.20	-1.12	74.00	19.80	238	239	Vertical
4	11440.00	42.87	-1.12	54.00	11.13	265	290	Vertical
5	17160.00	47.41	1.53	54.00	6.59	248	32	Vertical
6	17160.00	58.99	1.53	68.20	9.21	289	170	Vertical

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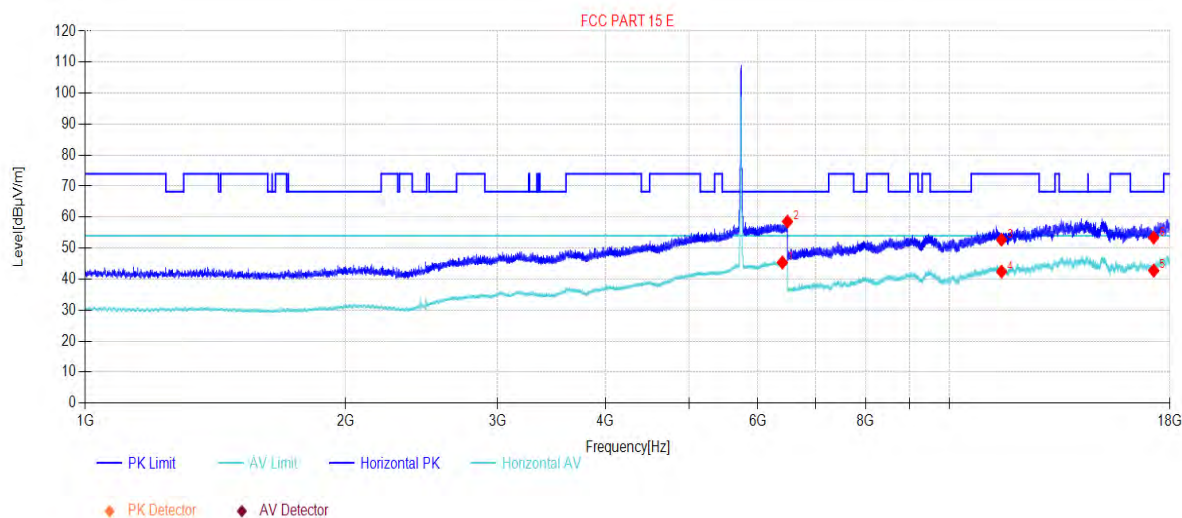
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4.9.2.47 802.11N20_Channel 149

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6408.693	45.36	18.21	54.00	8.64	126	105	Horizontal
2	6496.699	58.58	18.70	68.20	9.62	138	154	Horizontal
3	11490.00	52.71	2.10	74.00	21.29	150	0	Horizontal
4	11490.00	42.42	2.10	54.00	11.58	178	139	Horizontal
5	17235.00	42.76	6.10	54.00	11.24	122	206	Horizontal
6	17235.00	53.42	6.10	68.20	14.78	161	6	Horizontal

Final Data List



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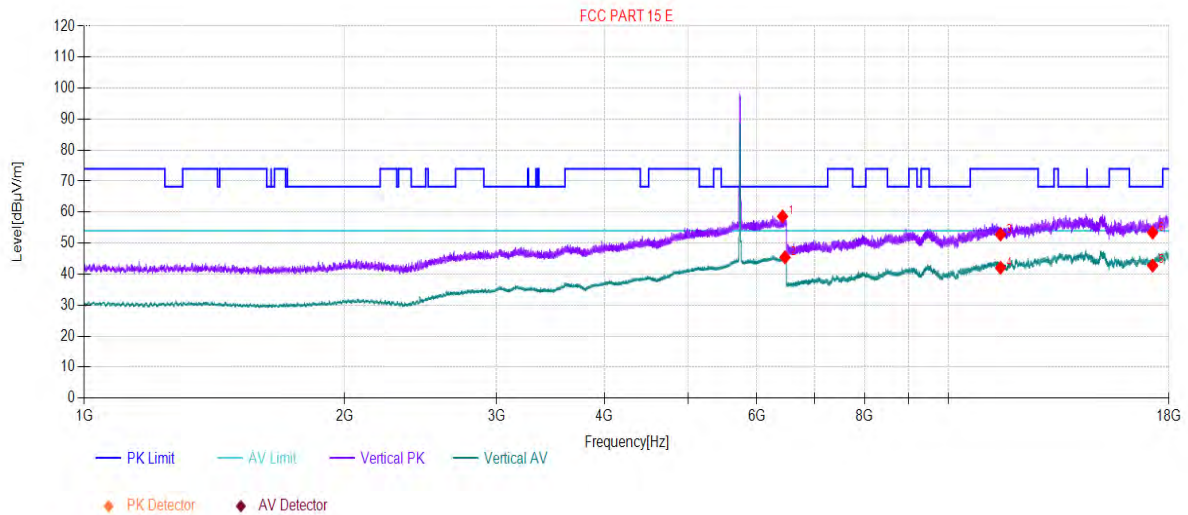
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4.9.2.48

802.11N20_Channel 149

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6427.395	58.64	18.31	68.20	9.56	259	337	Vertical
2	6470.664	45.44	18.55	54.00	8.56	283	221	Vertical
3	11490.00	52.76	2.10	74.00	21.24	236	100	Vertical
4	11490.00	42.08	2.10	54.00	11.92	233	234	Vertical
5	17235.00	42.77	6.10	54.00	11.23	269	319	Vertical
6	17235.00	53.42	6.10	68.20	14.78	257	224	Vertical

Final Data List



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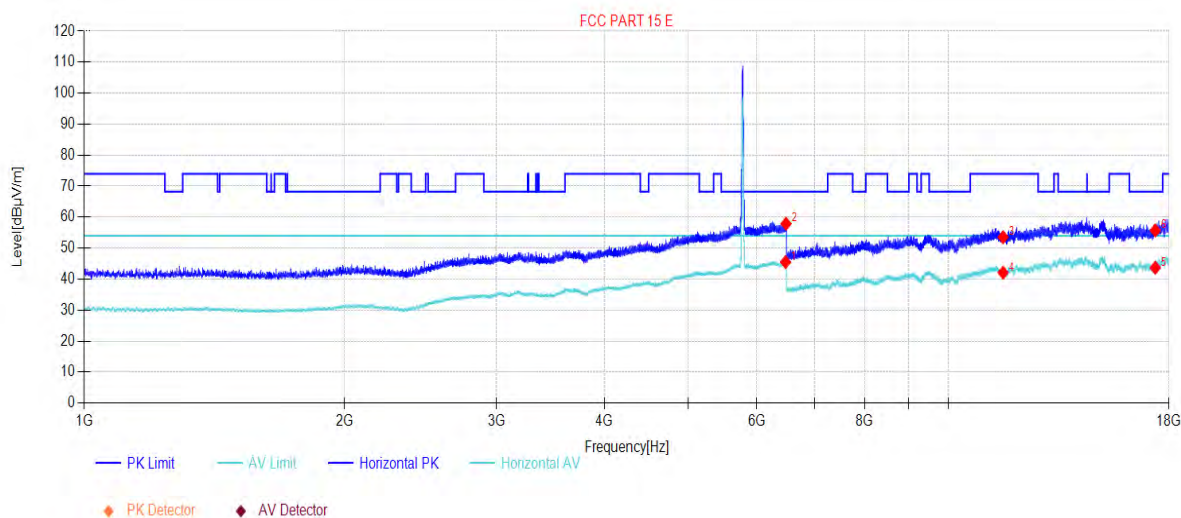
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4.9.2.49 802.11N20_Channel 157

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6479.465	45.51	18.60	54.00	8.49	167	352	Horizontal
2	6488.999	57.87	18.65	68.20	10.33	164	167	Horizontal
3	11570.00	53.53	2.92	74.00	20.47	158	206	Horizontal
4	11570.00	42.09	2.92	54.00	11.91	150	281	Horizontal
5	17355.00	43.69	6.75	54.00	10.31	155	25	Horizontal
6	17355.00	55.72	6.75	68.20	12.48	125	244	Horizontal

Final Data List



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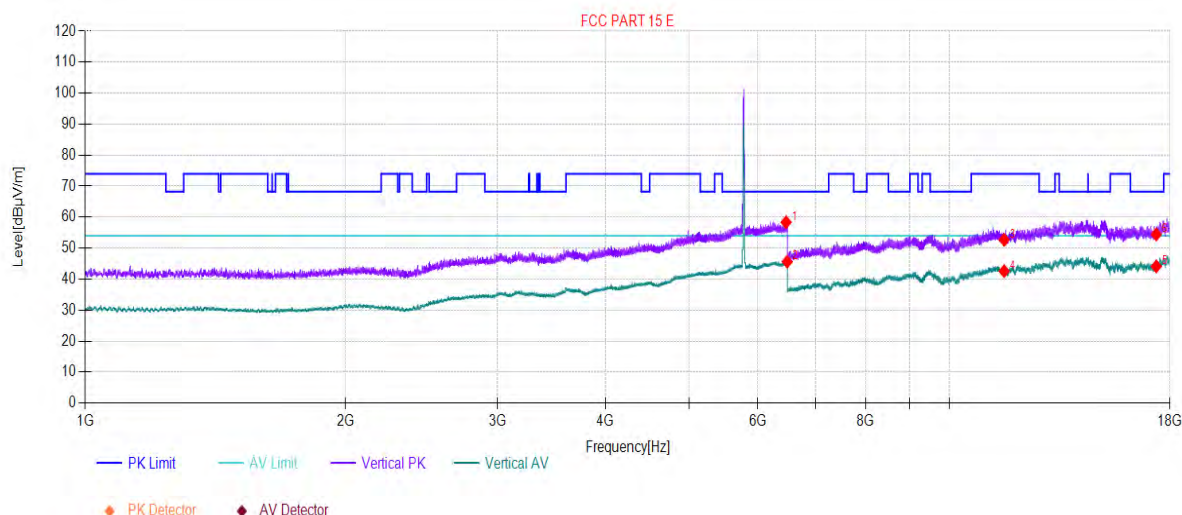
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4.9.2.50

802.11N20_Channel 157

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6472.131	58.37	18.56	68.20	9.83	248	132	Vertical
2	6491.566	45.65	18.67	54.00	8.35	243	147	Vertical
3	11570.00	52.68	2.92	74.00	21.32	298	159	Vertical
4	11570.00	42.58	2.92	54.00	11.42	235	140	Vertical
5	17355.00	44.13	6.75	54.00	9.87	246	150	Vertical
6	17355.00	54.44	6.75	68.20	13.76	231	45	Vertical

Final Data List

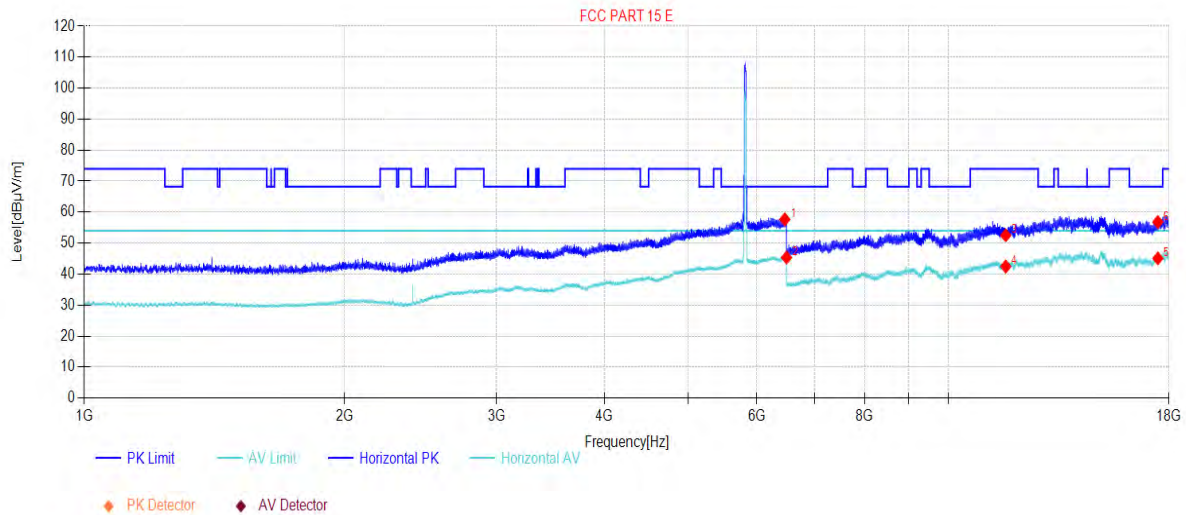


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4.9.2.51 802.11N20_Channel 165

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6467.364	57.64	18.53	68.20	10.56	174	331	Horizontal
2	6497.433	45.36	18.70	54.00	8.64	135	160	Horizontal
3	11650.00	52.51	2.58	74.00	21.49	132	129	Horizontal
4	11650.00	42.46	2.58	54.00	11.54	144	291	Horizontal
5	17475.00	45.09	7.42	54.00	8.91	177	243	Horizontal
6	17475.00	56.85	7.42	68.20	11.35	151	310	Horizontal

Final Data List



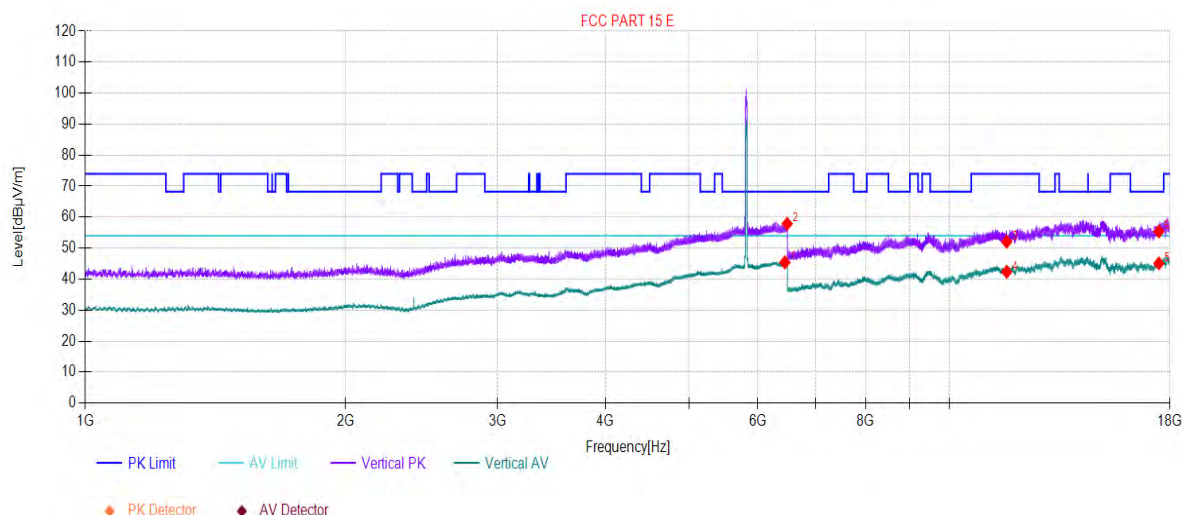
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4.9.2.52

802.11N20_Channel 165

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6450.496	45.42	18.44	54.00	8.58	228	23	Vertical
2	6490.832	57.86	18.66	68.20	10.34	264	201	Vertical
3	11650.00	52.07	2.58	74.00	21.93	248	185	Vertical
4	11650.00	42.38	2.58	54.00	11.62	276	214	Vertical
5	17475.00	45.10	7.42	54.00	8.90	293	204	Vertical
6	17475.00	55.39	7.42	68.20	12.81	248	166	Vertical

Final Data List

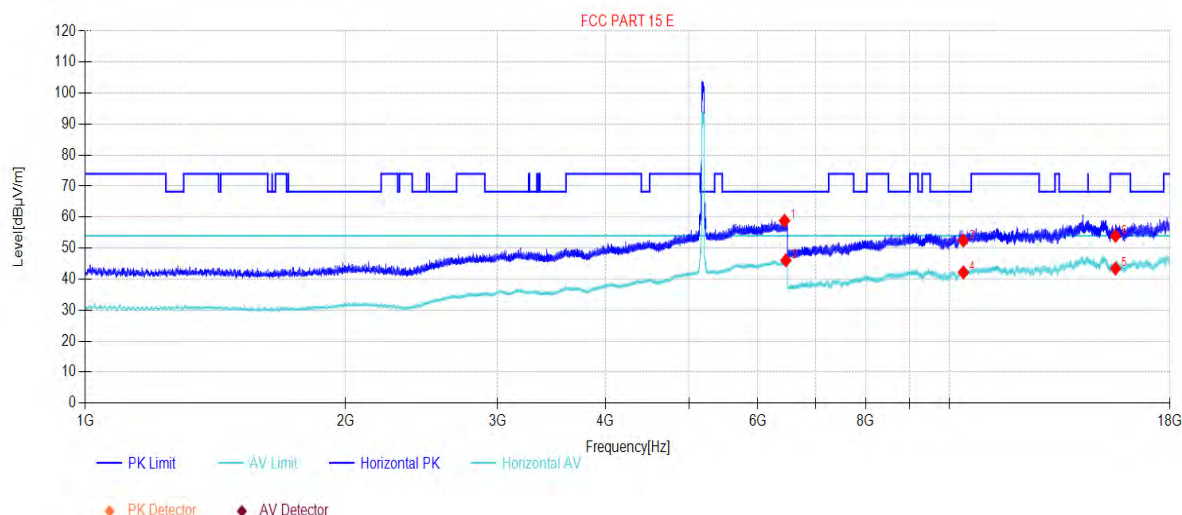


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4.9.2.53 802.11N40_Channel 38

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6445.363	58.83	18.41	68.20	9.37	160	112	Horizontal
2	6468.097	46.08	18.54	54.00	7.92	154	16	Horizontal
3	10380.00	52.46	2.40	68.20	15.74	135	348	Horizontal
4	10380.00	42.16	2.40	54.00	11.84	136	204	Horizontal
5	15570.00	43.42	6.00	54.00	10.58	151	348	Horizontal
6	15570.00	53.93	6.00	74.00	20.07	161	262	Horizontal

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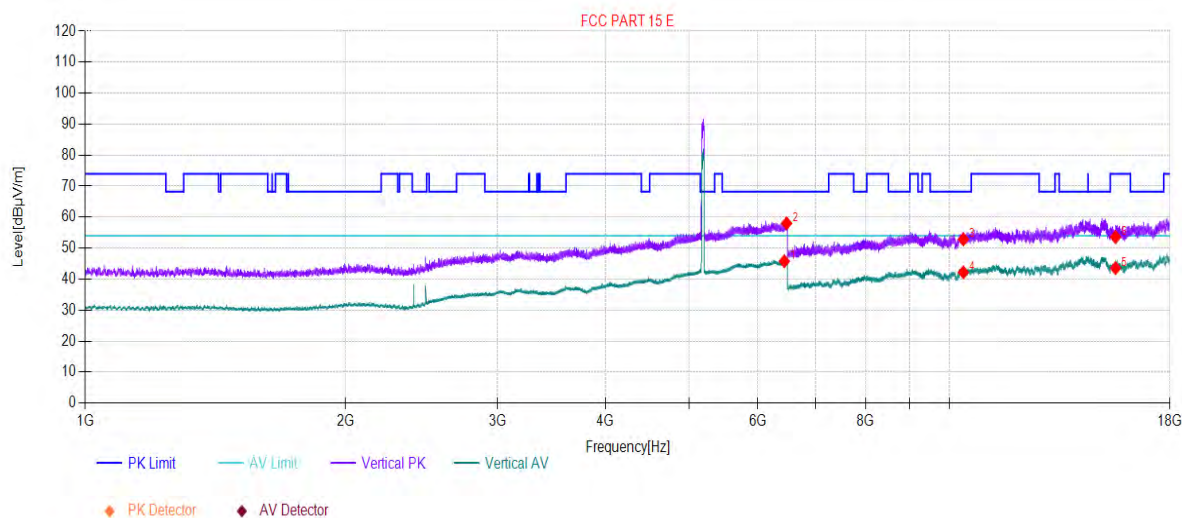
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4.9.2.54 802.11N40_Channel 38

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6442.429	45.78	18.40	54.00	8.22	248	9	Vertical
2	6482.032	58.05	18.62	68.20	10.15	281	132	Vertical
3	10380.00	52.86	2.40	68.20	15.34	225	69	Vertical
4	10380.00	42.19	2.40	54.00	11.81	229	318	Vertical
5	15570.00	43.55	6.00	54.00	10.45	246	222	Vertical
6	15570.00	53.58	6.00	74.00	20.42	240	203	Vertical

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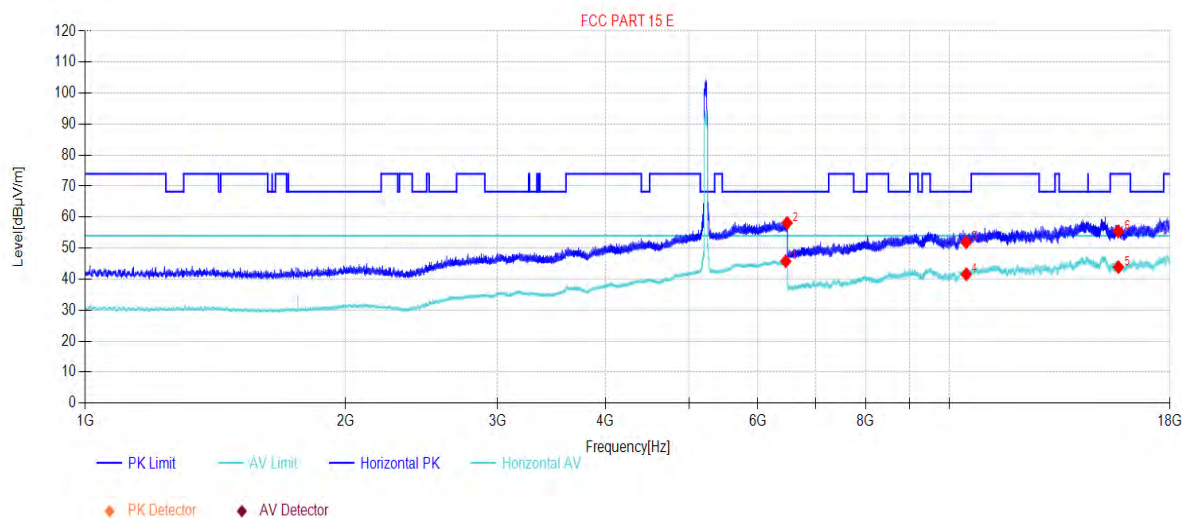
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4.9.2.55 802.11N40_Channel 46

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6465.897	45.80	18.53	54.00	8.20	172	91	Horizontal
2	6489.732	58.11	18.66	68.20	10.09	144	186	Horizontal
3	10460.00	51.89	2.47	68.20	16.31	154	300	Horizontal
4	10460.00	41.56	2.47	54.00	12.44	163	357	Horizontal
5	15690.00	43.90	6.13	54.00	10.10	136	166	Horizontal
6	15690.00	55.41	6.13	74.00	18.59	135	319	Horizontal

Final Data List



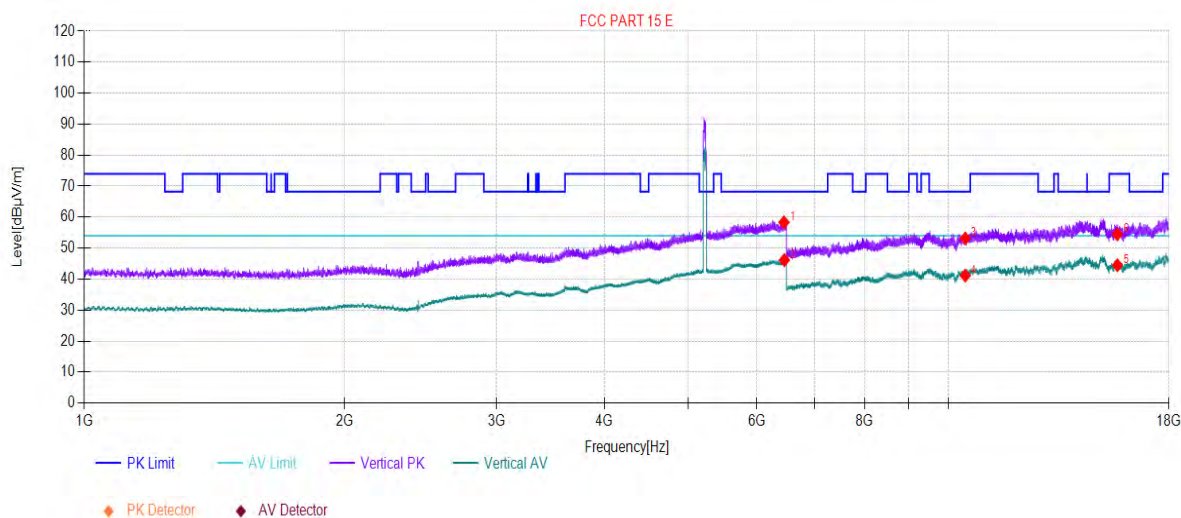
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4.9.2.56 802.11N40_Channel 46

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6452.696	58.34	18.45	68.20	9.86	271	255	Vertical
2	6458.563	46.15	18.49	54.00	7.85	252	360	Vertical
3	10460.00	53.14	2.47	68.20	15.06	253	320	Vertical
4	10460.00	41.16	2.47	54.00	12.84	274	156	Vertical
5	15690.00	44.49	6.13	54.00	9.51	246	320	Vertical
6	15690.00	54.45	6.13	74.00	19.55	278	310	Vertical

Final Data List



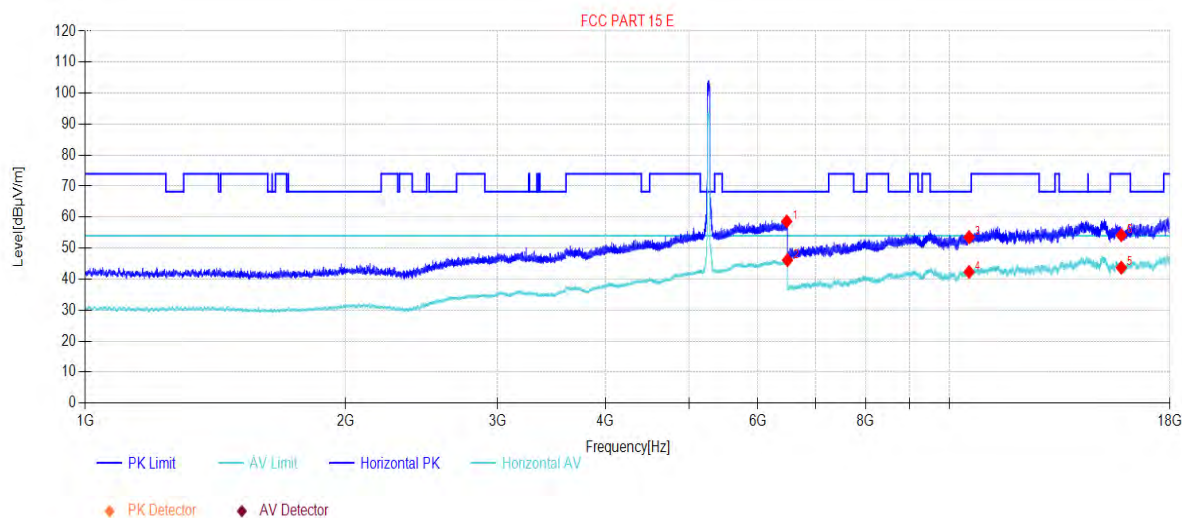
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Report No.: AR/2020/C001005
Page: 84 of 436

4.9.2.57 802.11N40_Channel 54

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6483.132	58.66	18.62	68.20	9.54	144	305	Horizontal
2	6495.966	46.14	18.69	54.00	7.86	148	199	Horizontal
3	10540.00	53.55	2.39	68.20	14.65	154	357	Horizontal
4	10540.00	42.32	2.39	54.00	11.68	151	316	Horizontal
5	15810.00	43.70	5.12	54.00	10.30	130	179	Horizontal
6	15810.00	54.17	5.12	74.00	19.83	143	14	Horizontal

Final Data List



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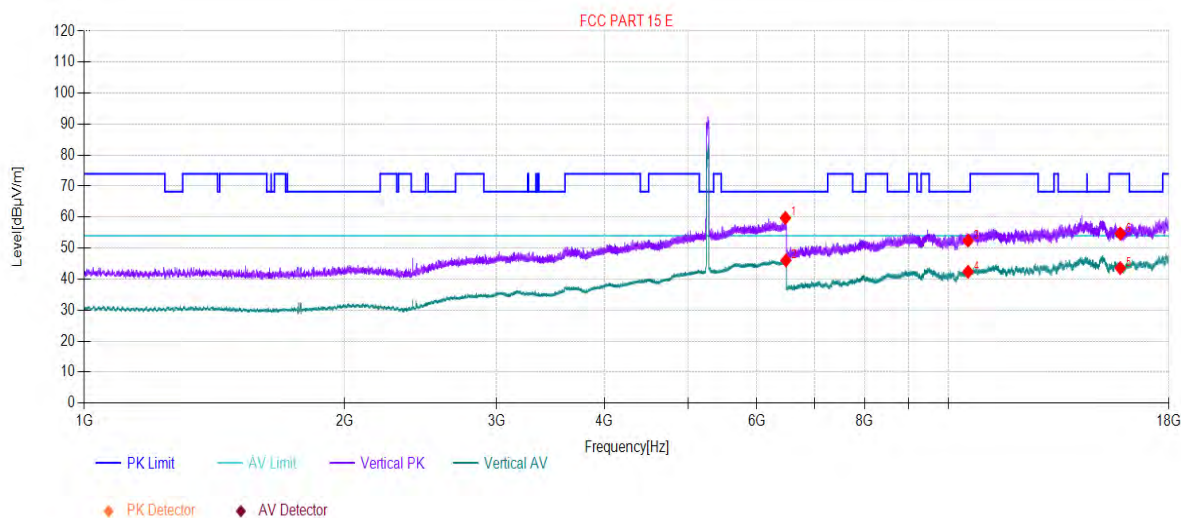
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4.9.2.58

802.11N40_Channel 54

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6476.898	59.76	18.59	68.20	8.44	300	47	Vertical
2	6486.432	46.04	18.64	54.00	7.96	269	207	Vertical
3	10540.00	52.39	2.39	68.20	15.81	286	140	Vertical
4	10540.00	42.38	2.39	54.00	11.62	224	188	Vertical
5	15810.00	43.58	5.12	54.00	10.42	278	178	Vertical
6	15810.00	54.68	5.12	74.00	19.32	280	244	Vertical

Final Data List



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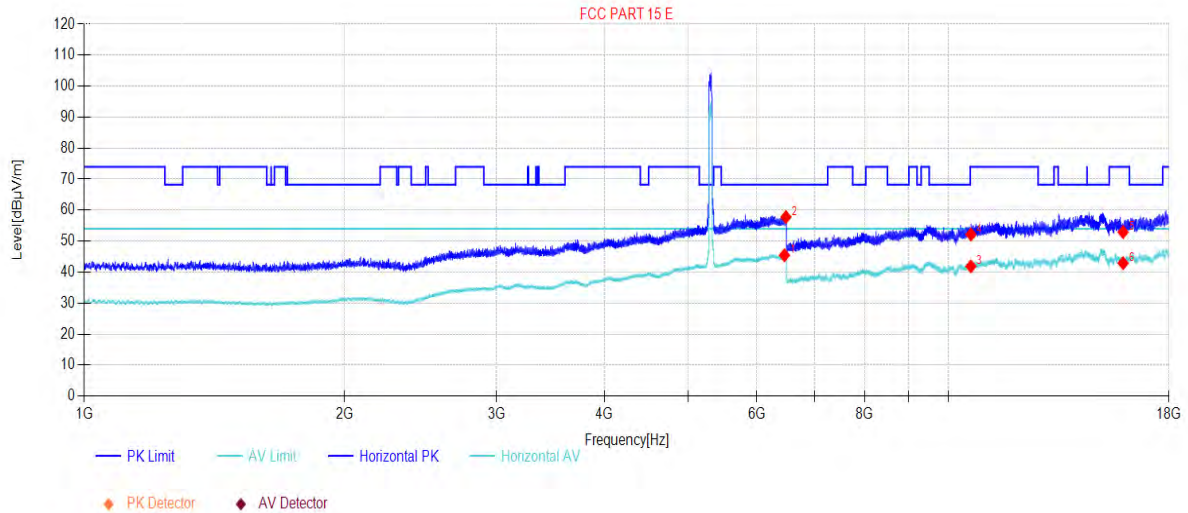
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4.9.2.59 802.11N40_Channel 62

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6461.130	45.46	18.50	54.00	8.54	126	100	Horizontal
2	6486.432	57.79	18.64	68.20	10.41	142	187	Horizontal
3	10620.00	41.87	2.23	54.00	12.13	125	79	Horizontal
4	10620.00	52.14	2.23	74.00	21.86	159	327	Horizontal
5	15930.00	52.91	5.15	74.00	21.09	154	215	Horizontal
6	15930.00	42.89	5.15	54.00	11.11	179	225	Horizontal

Final Data List



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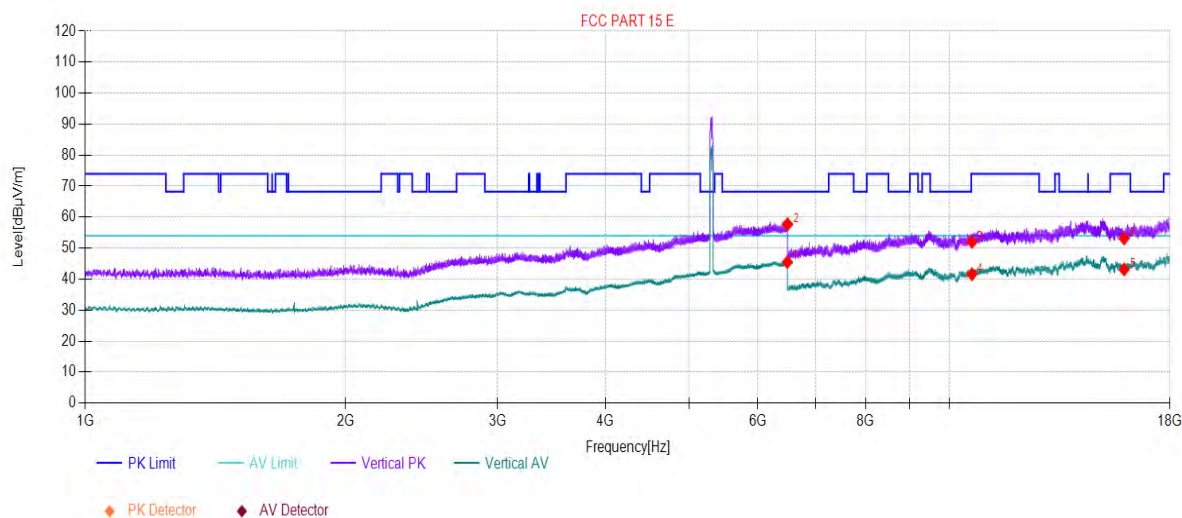
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4.9.2.60 802.11N40_Channel 62

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6493.399	45.48	18.68	54.00	8.52	288	243	Vertical
2	6496.699	57.68	18.70	68.20	10.52	264	164	Vertical
3	10620.00	52.01	2.23	74.00	21.99	150	0	Vertical
4	10620.00	41.59	2.23	54.00	12.41	255	0	Vertical
5	15930.00	43.13	5.15	54.00	10.87	291	235	Vertical
6	15930.00	53.14	5.15	74.00	20.86	272	245	Vertical

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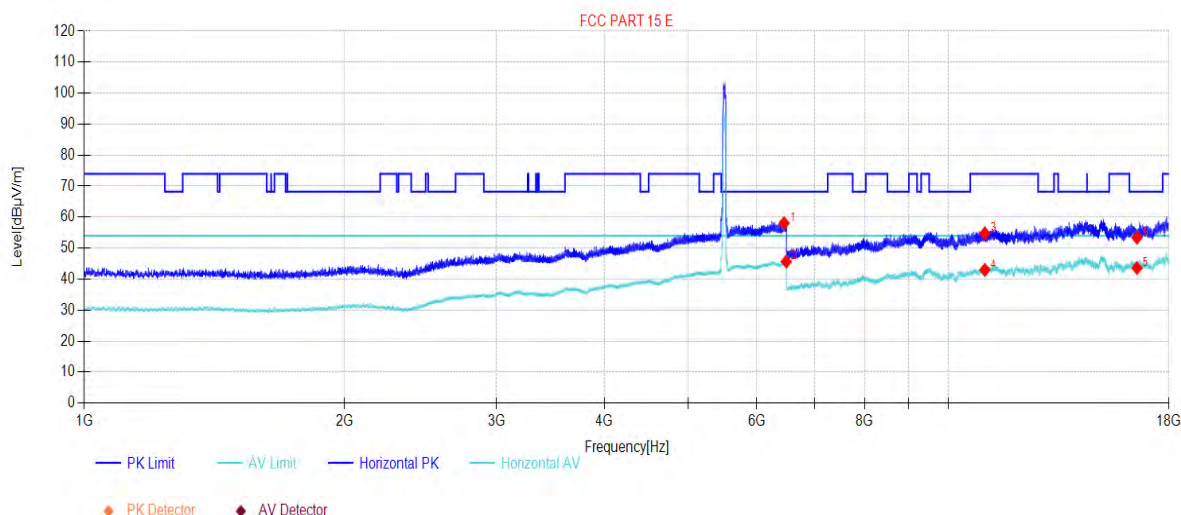
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4.9.2.61

802.11N40_Channel 102

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6454.163	58.06	18.46	68.20	10.14	159	288	Horizontal
2	6493.766	45.67	18.68	54.00	8.33	142	242	Horizontal
3	11020.00	54.77	2.69	74.00	19.23	137	178	Horizontal
4	11020.00	42.98	2.69	54.00	11.02	148	247	Horizontal
5	16530.00	43.59	5.27	54.00	10.41	172	32	Horizontal
6	16530.00	53.39	5.27	68.20	14.81	150	178	Horizontal

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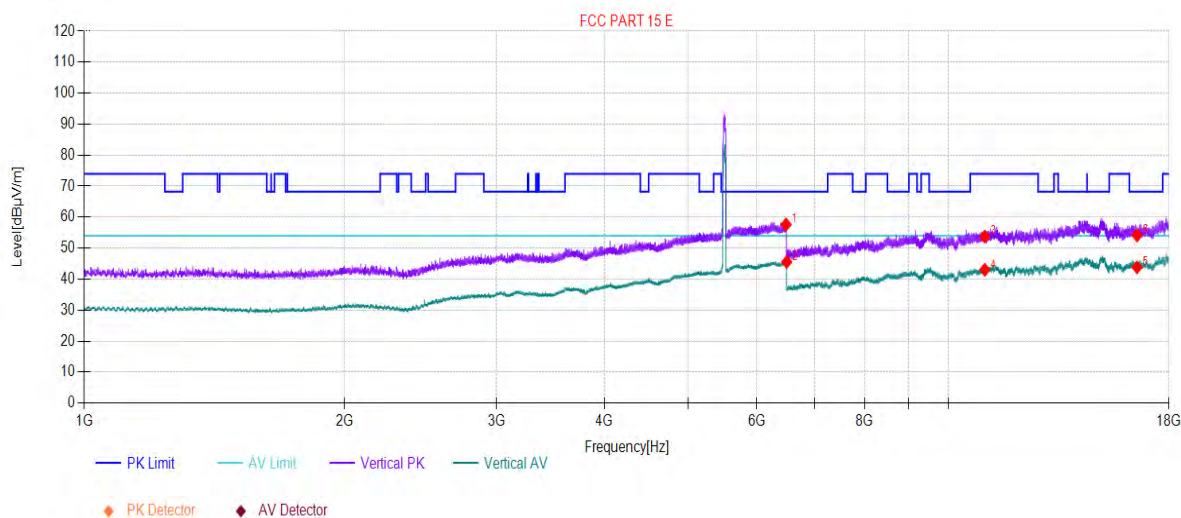
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4.9.2.62

802.11N40_Channel 102

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6487.899	57.60	18.65	68.20	10.60	264	224	Vertical
2	6499.266	45.54	18.71	54.00	8.46	268	254	Vertical
3	11020.00	53.76	2.69	74.00	20.24	245	82	Vertical
4	11020.00	43.03	2.69	54.00	10.97	235	320	Vertical
5	16530.00	43.82	5.27	54.00	10.18	241	176	Vertical
6	16530.00	54.14	5.27	68.20	14.06	241	120	Vertical

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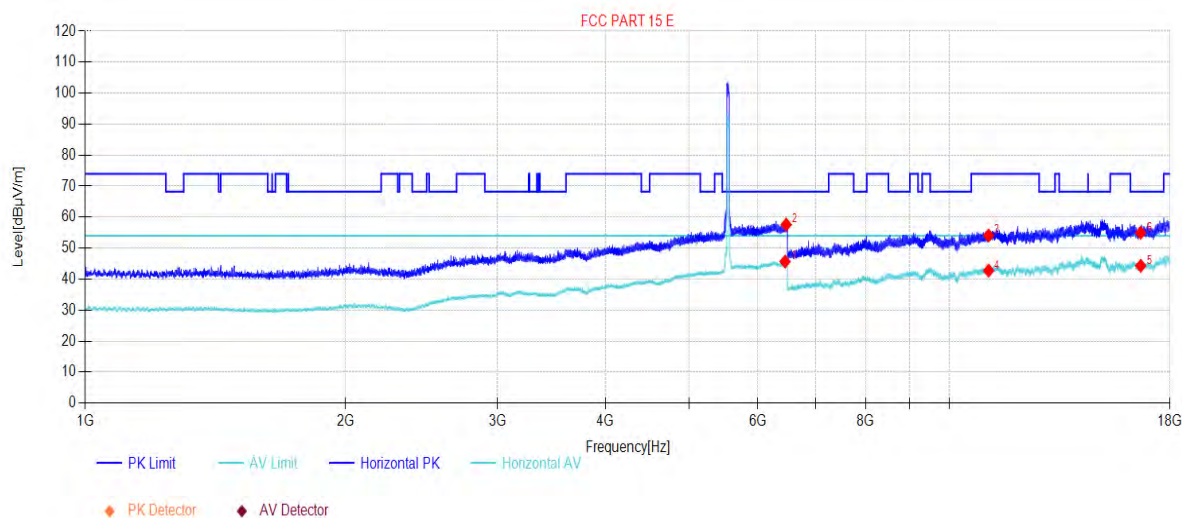
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4.9.2.63

802.11N40_Channel 110

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6454.897	45.68	18.46	54.00	8.32	134	215	Horizontal
2	6473.231	57.58	18.57	68.20	10.62	141	3	Horizontal
3	11100.00	54.08	2.49	74.00	19.92	178	123	Horizontal
4	11100.00	42.75	2.49	54.00	11.25	162	288	Horizontal
5	16650.00	44.30	5.74	54.00	9.70	152	102	Horizontal
6	16650.00	54.94	5.74	68.20	13.26	144	31	Horizontal

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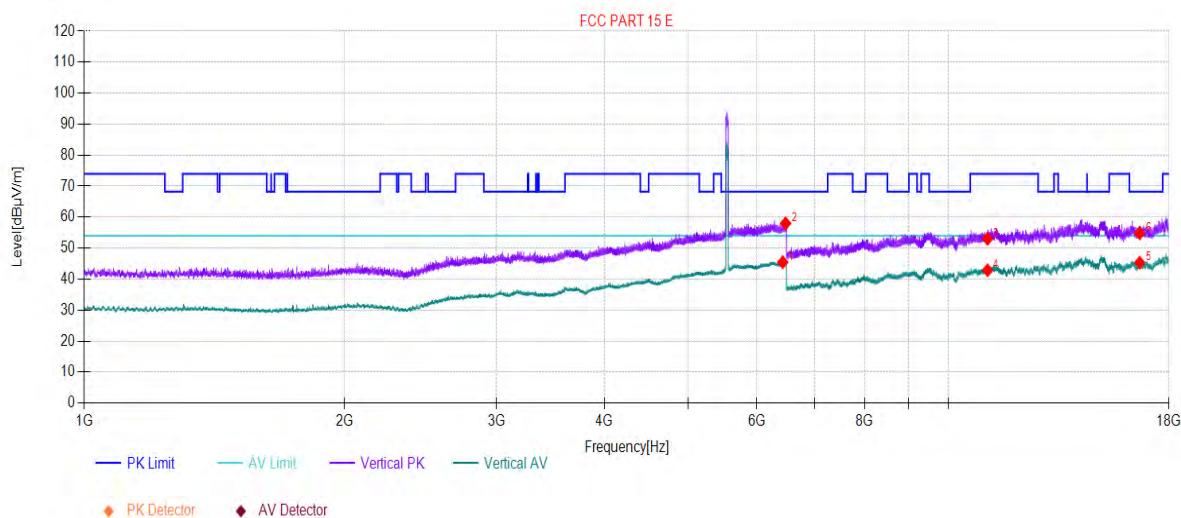
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4.9.2.64

802.11N40_Channel 110

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6431.795	45.46	18.34	54.00	8.54	264	130	Vertical
2	6481.665	58.00	18.61	68.20	10.20	278	217	Vertical
3	11100.00	53.05	2.49	74.00	20.95	241	95	Vertical
4	11100.00	42.86	2.49	54.00	11.14	274	160	Vertical
5	16650.00	45.30	5.74	54.00	8.70	234	69	Vertical
6	16650.00	54.83	5.74	68.20	13.37	241	214	Vertical

Final Data List



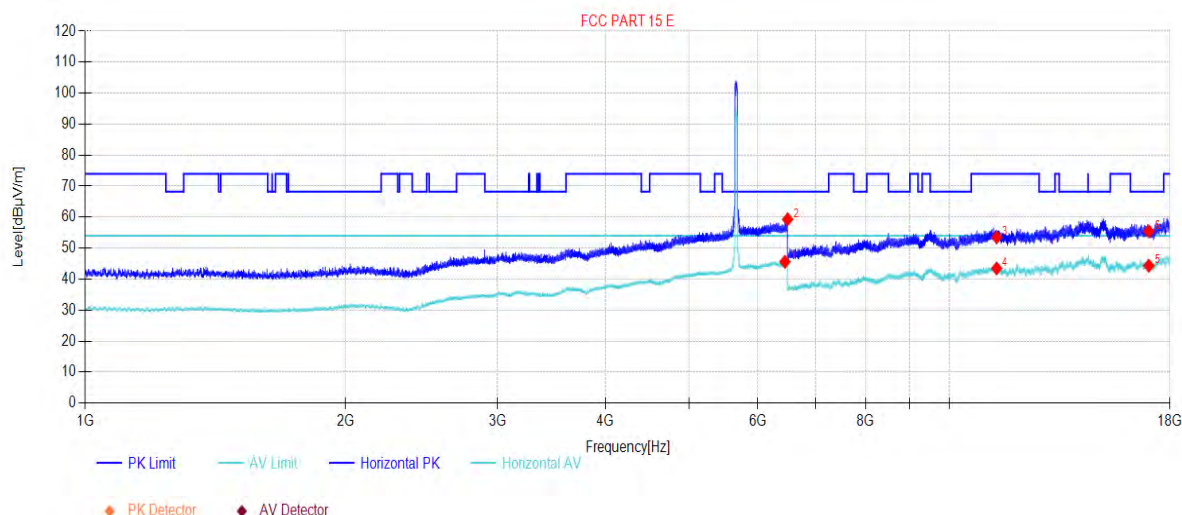
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4.9.2.65

802.11N40_Channel 134

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6451.963	45.61	18.45	54.00	8.39	170	291	Horizontal
2	6498.533	59.29	18.71	68.20	8.91	154	10	Horizontal
3	11340.00	53.50	2.55	74.00	20.50	162	150	Horizontal
4	11340.00	43.47	2.55	54.00	10.53	147	259	Horizontal
5	17010.00	44.35	6.16	54.00	9.65	168	179	Horizontal
6	17010.00	55.43	6.16	68.20	12.77	142	95	Horizontal

Final Data List



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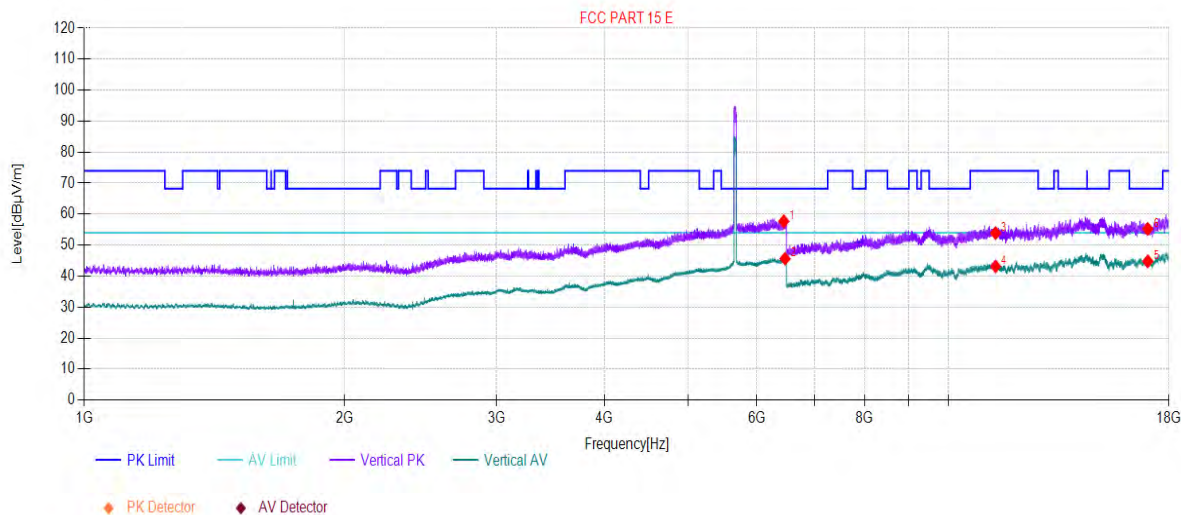
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4.9.2.66 802.11N40_Channel 134

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6450.130	57.67	18.44	68.20	10.53	235	68	Vertical
2	6471.398	45.63	18.56	54.00	8.37	262	141	Vertical
3	11340.00	53.89	2.55	74.00	20.11	241	244	Vertical
4	11340.00	43.15	2.55	54.00	10.85	247	114	Vertical
5	17010.00	44.77	6.16	54.00	9.23	232	266	Vertical
6	17010.00	55.21	6.16	68.20	12.99	254	165	Vertical

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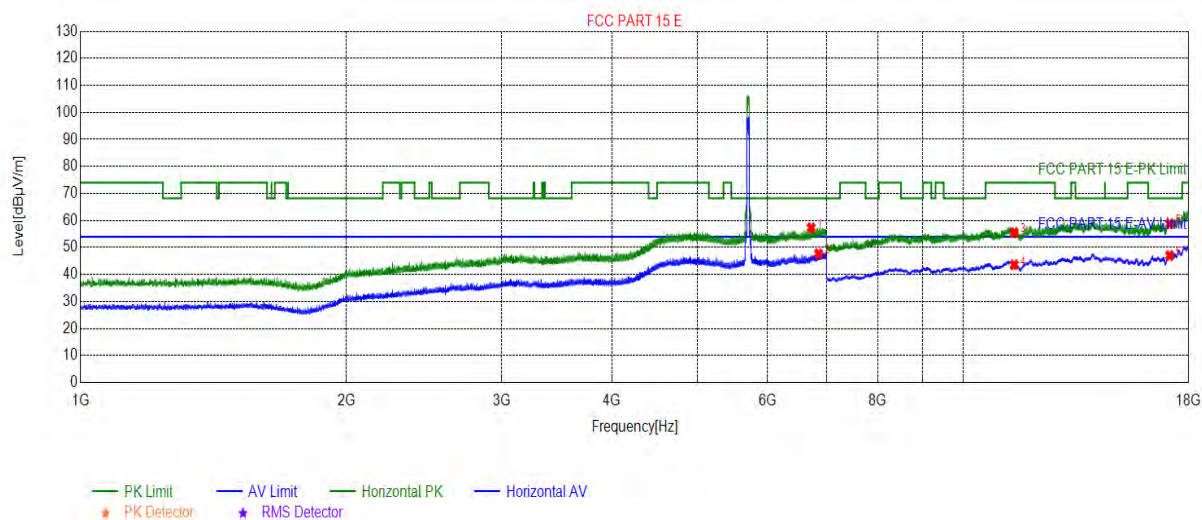
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4.9.2.67

802.11N40_Channel 142

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6726.386	57.26	20.87	68.20	10.94	153	30	Horizontal
2	6855.392	47.68	21.44	54.00	6.32	157	202	Horizontal
3	11420.00	55.53	-0.94	74.00	18.47	165	261	Horizontal
4	11420.00	43.57	-0.94	54.00	10.43	184	203	Horizontal
5	17130.00	46.99	1.39	54.00	7.01	135	159	Horizontal
6	17130.00	58.75	1.39	68.20	9.45	124	306	Horizontal

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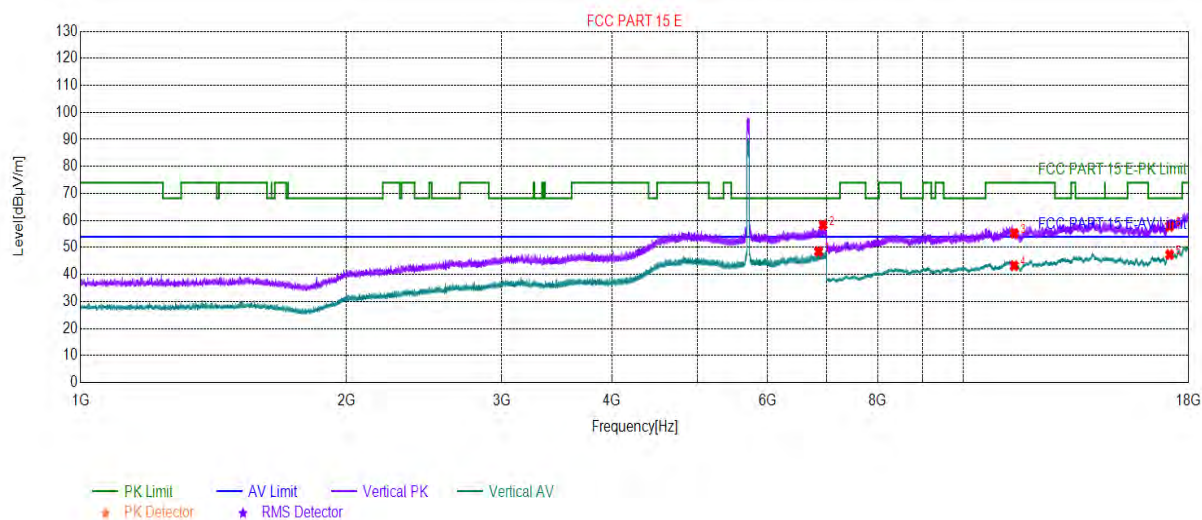
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4.9.2.68

802.11N40_Channel 142

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6856.292	48.49	21.44	54.00	5.51	289	244	Vertical
2	6936.696	58.30	21.65	68.20	9.90	265	159	Vertical
3	11420.00	55.23	-0.94	74.00	18.77	285	184	Vertical
4	11420.00	43.26	-0.94	54.00	10.74	235	168	Vertical
5	17130.00	47.35	1.39	54.00	6.65	248	31	Vertical
6	17130.00	57.85	1.39	68.20	10.35	264	354	Vertical

Final Data List



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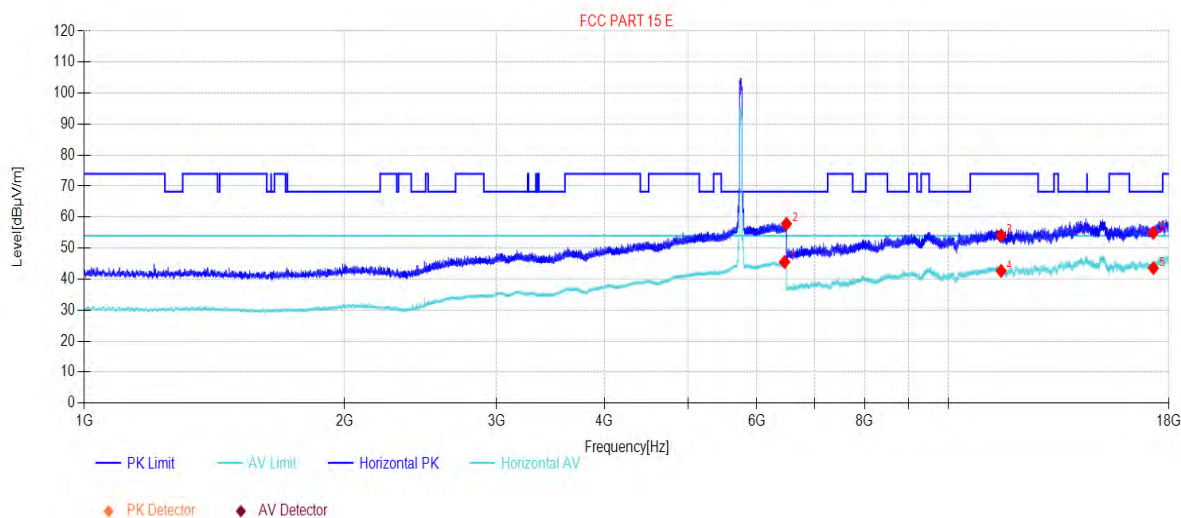
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4.9.2.69

802.11N40_Channel 151

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6462.597	45.54	18.51	54.00	8.46	165	76	Horizontal
2	6495.966	57.85	18.69	68.20	10.35	155	266	Horizontal
3	11510.00	54.13	2.17	74.00	19.87	124	166	Horizontal
4	11510.00	42.64	2.17	54.00	11.36	127	14	Horizontal
5	17265.00	43.57	6.33	54.00	10.43	134	306	Horizontal
6	17265.00	54.97	6.33	68.20	13.23	184	316	Horizontal

Final Data List



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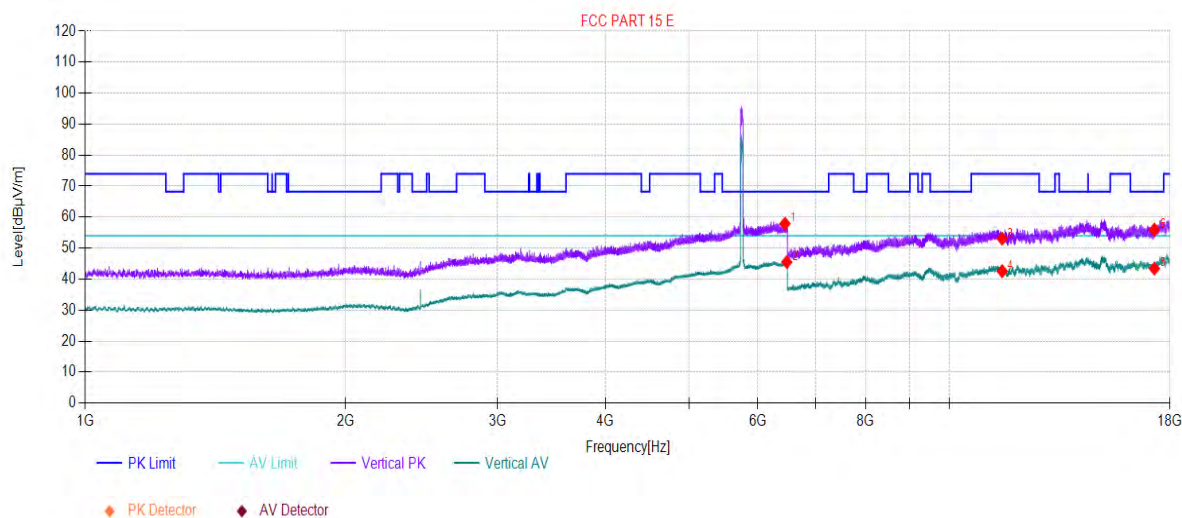
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4.9.2.70 802.11N40_Channel 151

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6452.330	57.88	18.45	68.20	10.32	224	40	Vertical
2	6484.599	45.52	18.63	54.00	8.48	248	286	Vertical
3	11510.00	53.08	2.17	74.00	20.92	264	33	Vertical
4	11510.00	42.57	2.17	54.00	11.43	264	189	Vertical
5	17265.00	43.42	6.33	54.00	10.58	251	73	Vertical
6	17265.00	55.98	6.33	68.20	12.22	247	189	Vertical

Final Data List



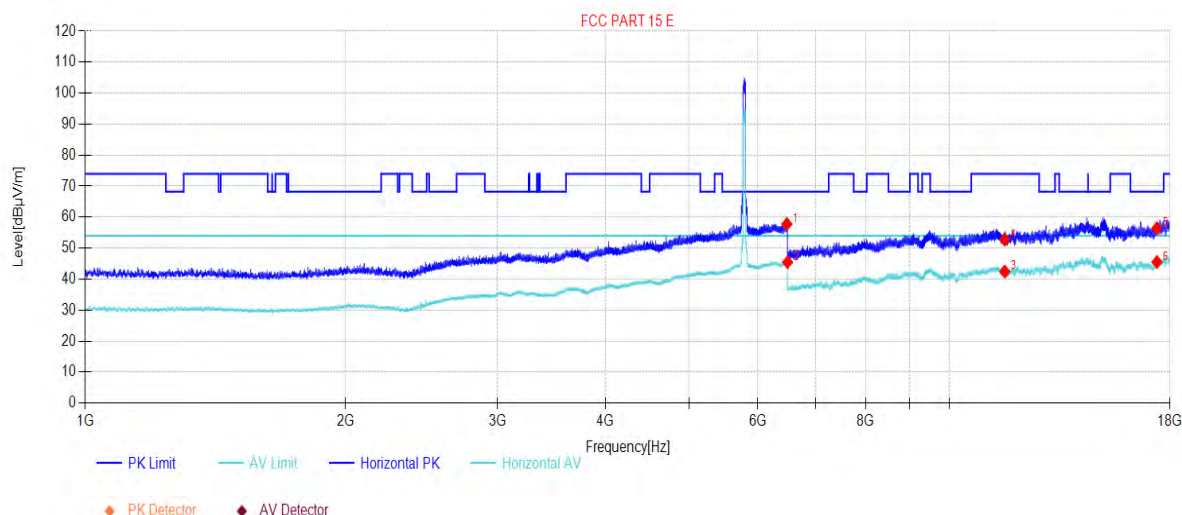
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4.9.2.71 802.11N40_Channel 159

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6485.699	57.76	18.64	68.20	10.44	142	102	Horizontal
2	6497.066	45.50	18.70	54.00	8.50	132	110	Horizontal
3	11590.00	42.46	3.16	54.00	11.54	154	142	Horizontal
4	11590.00	52.74	3.16	74.00	21.26	122	85	Horizontal
5	17385.00	56.43	6.82	68.20	11.77	148	183	Horizontal
6	17385.00	45.52	6.82	54.00	8.48	170	66	Horizontal

Final Data List



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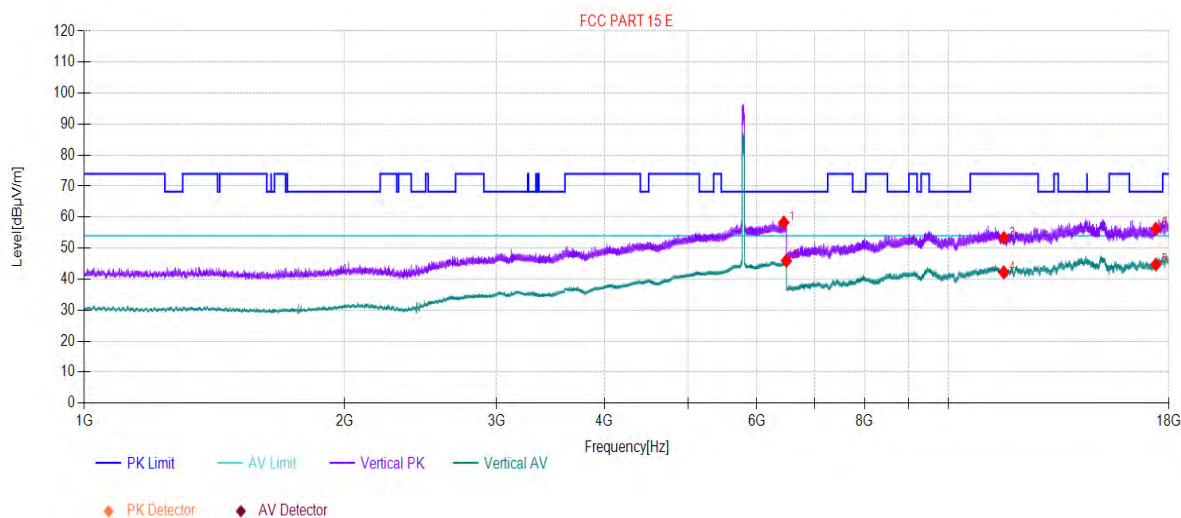
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4.9.2.72 802.11N40_Channel 159

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6449.763	58.29	18.44	68.20	9.91	233	231	Vertical
2	6494.499	45.93	18.68	54.00	8.07	272	309	Vertical
3	11590.00	53.27	3.16	74.00	20.73	234	184	Vertical
4	11590.00	42.20	3.16	54.00	11.80	238	64	Vertical
5	17385.00	44.72	6.82	54.00	9.28	241	53	Vertical
6	17385.00	56.28	6.82	68.20	11.92	278	164	Vertical

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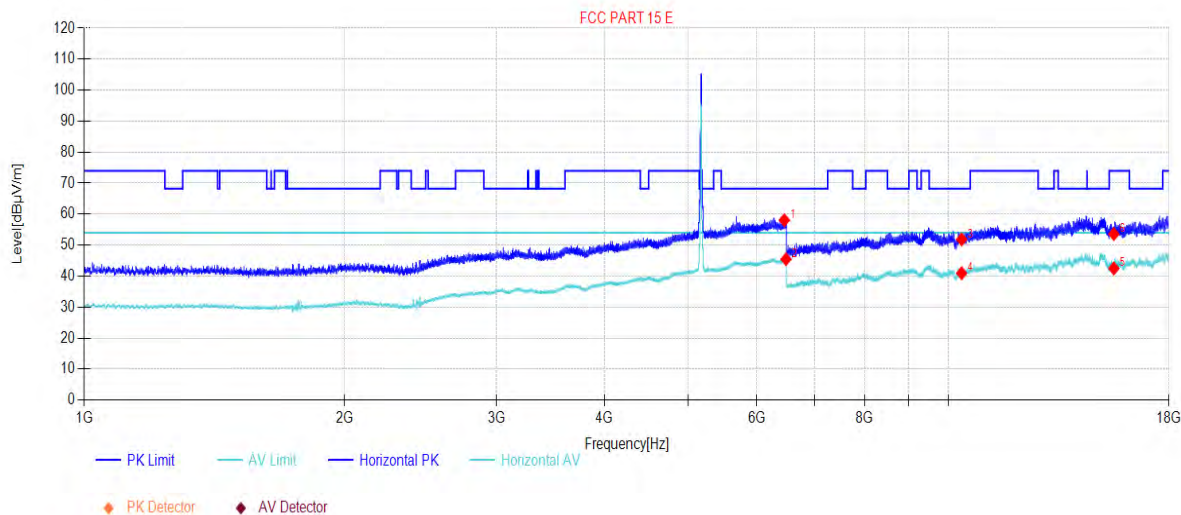
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4.9.2.73

802.11AC20_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	6459.297	58.08	18.49	68.20	10.12	145	304	Horizontal
2	6487.532	45.48	18.65	54.00	8.52	214	43	Horizontal
3	10360.00	51.85	2.38	68.20	16.35	140	156	Horizontal
4	10360.00	40.95	2.38	54.00	13.05	145	196	Horizontal
5	15540.00	42.50	5.88	54.00	11.50	176	106	Horizontal
6	15540.00	53.61	5.88	74.00	20.39	112	126	Horizontal

Final Data List



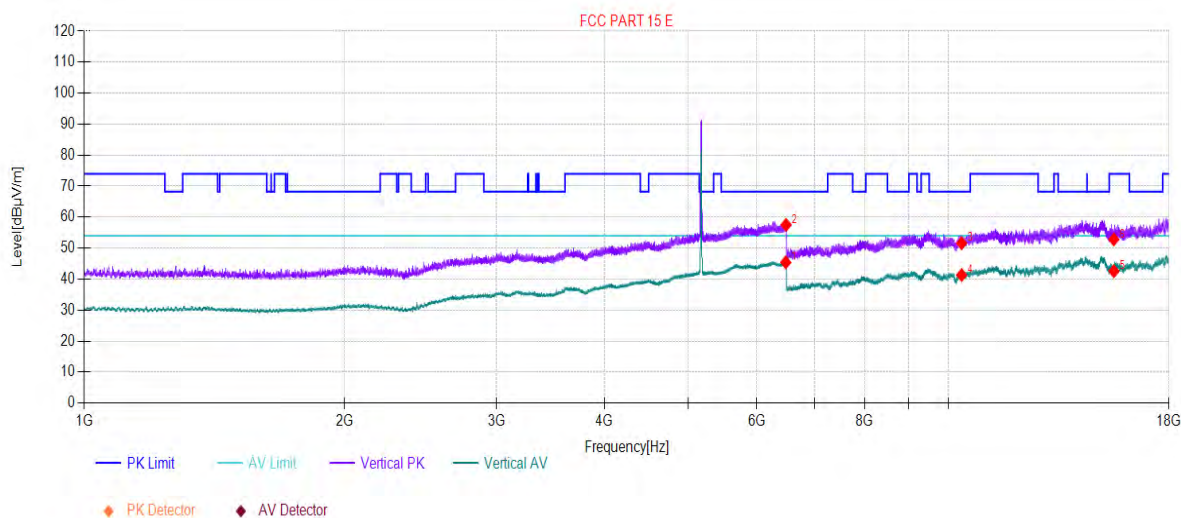
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4.9.2.74

802.11AC20_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	6482.765	45.43	18.62	54.00	8.57	272	158	Vertical
2	6488.632	57.52	18.65	68.20	10.68	222	158	Vertical
3	10360.00	51.60	2.38	68.20	16.60	221	100	Vertical
4	10360.00	41.32	2.38	54.00	12.68	246	263	Vertical
5	15540.00	42.58	5.88	54.00	11.42	228	190	Vertical
6	15540.00	52.81	5.88	74.00	21.19	241	139	Vertical

Final Data List



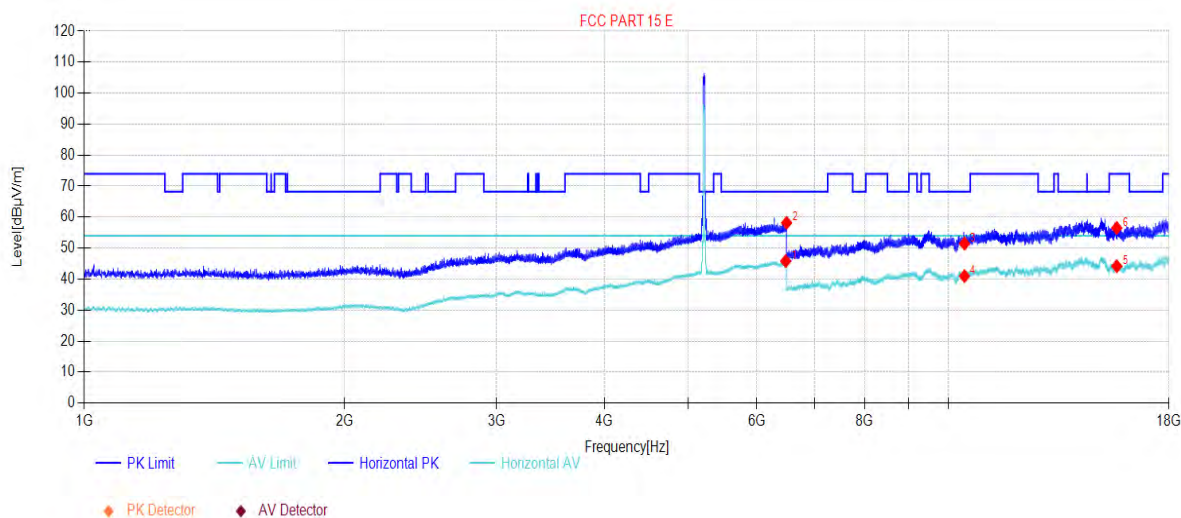
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4.9.2.75

802.11AC20_Channel 44

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6482.398	45.82	18.62	54.00	8.18	145	320	Horizontal
2	6498.899	58.17	18.71	68.20	10.03	132	66	Horizontal
3	10440.00	51.45	2.46	68.20	16.75	157	210	Horizontal
4	10440.00	40.99	2.46	54.00	13.01	168	210	Horizontal
5	15660.00	44.18	6.12	54.00	9.82	150	229	Horizontal
6	15660.00	56.50	6.12	74.00	17.50	144	153	Horizontal

Final Data List



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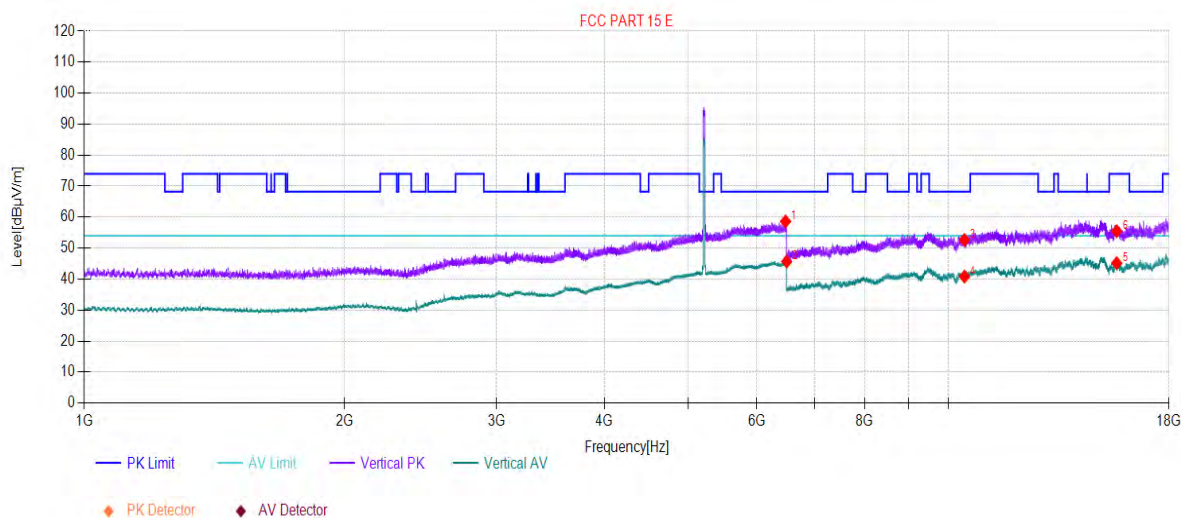
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4.9.2.76 802.11AC20_Channel 44

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6478.731	58.63	18.60	68.20	9.57	241	304	Vertical
2	6500.000	45.71	18.72	54.00	8.29	263	167	Vertical
3	10440.00	52.64	2.46	68.20	15.56	278	100	Vertical
4	10440.00	40.83	2.46	54.00	13.17	261	320	Vertical
5	15660.00	45.16	6.12	54.00	8.84	274	129	Vertical
6	15660.00	55.48	6.12	74.00	18.52	222	243	Vertical

Final Data List



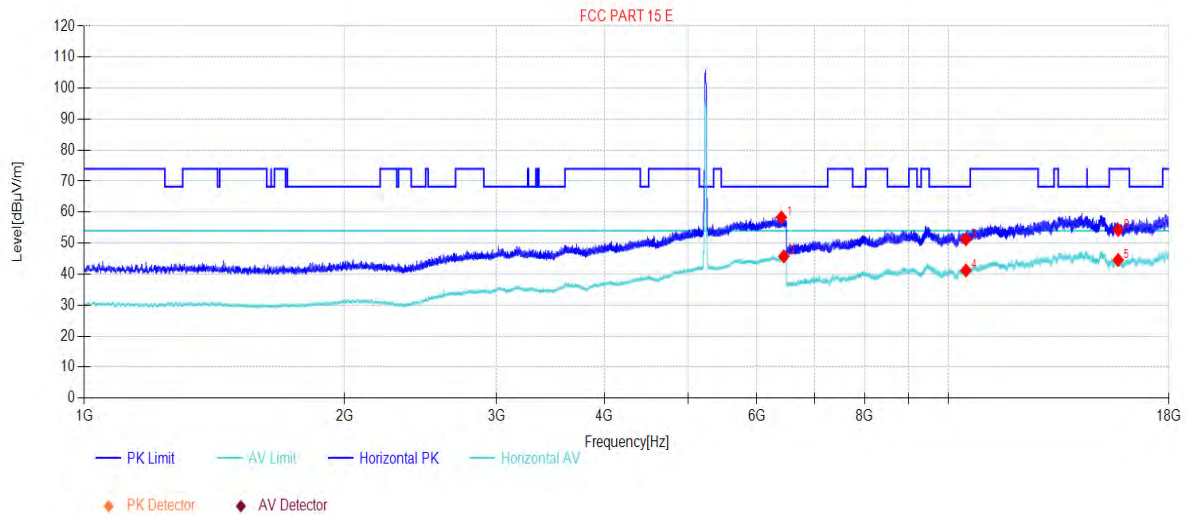
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4.9.2.77 802.11AC20_Channel 48

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6408.327	58.31	18.21	68.20	9.89	154	208	Horizontal
2	6450.496	45.74	18.44	54.00	8.26	152	255	Horizontal
3	10480.00	51.24	2.49	68.20	16.96	162	86	Horizontal
4	10480.00	41.19	2.49	54.00	12.81	167	211	Horizontal
5	15720.00	44.58	5.92	54.00	9.42	174	339	Horizontal
6	15720.00	54.26	5.92	74.00	19.74	174	249	Horizontal

Final Data List



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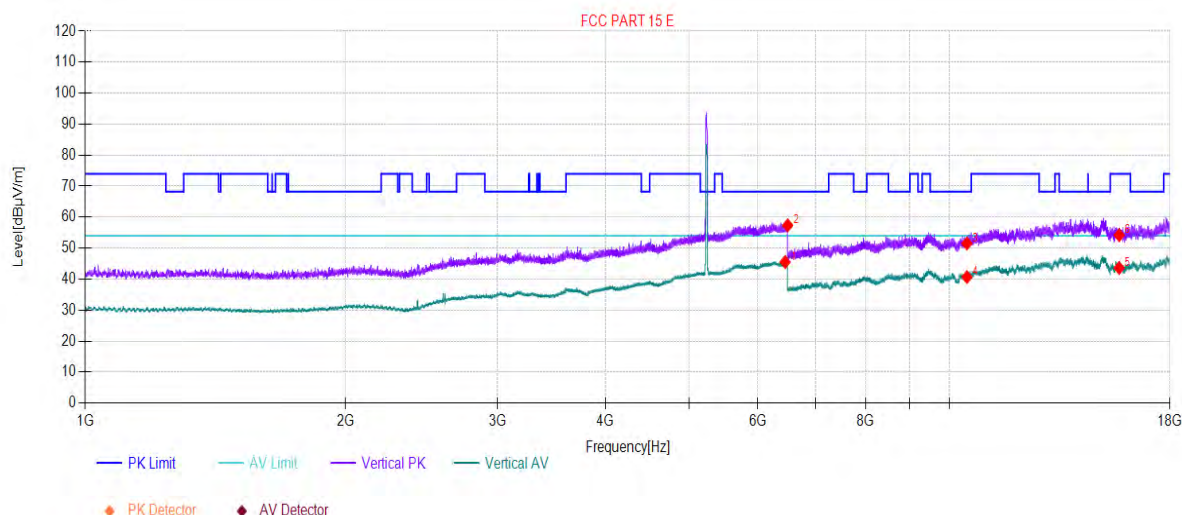
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4.9.2.78

802.11AC20_Channel 48

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6454.897	45.54	18.46	54.00	8.46	241	174	Vertical
2	6499.633	57.34	18.71	68.20	10.86	265	208	Vertical
3	10480.00	51.50	2.49	68.20	16.70	244	233	Vertical
4	10480.00	40.69	2.49	54.00	13.31	255	320	Vertical
5	15720.00	43.62	5.92	54.00	10.38	231	108	Vertical
6	15720.00	54.18	5.92	74.00	19.82	278	21	Vertical

Final Data List

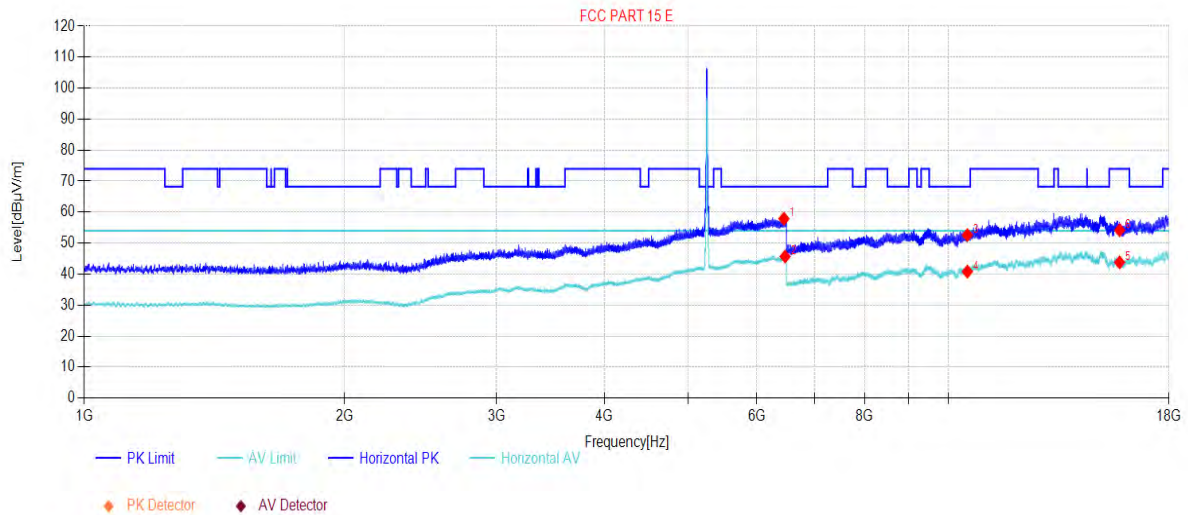


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4.9.2.79 802.11AC20_Channel 52

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6451.230	57.87	18.44	68.20	10.33	154	30	Horizontal
2	6472.131	45.69	18.56	54.00	8.31	123	146	Horizontal
3	10520.00	52.61	2.45	68.20	15.59	216	213	Horizontal
4	10520.00	40.82	2.45	54.00	13.18	178	310	Horizontal
5	15780.00	43.79	5.30	54.00	10.21	166	0	Horizontal
6	15780.00	54.18	5.30	74.00	19.82	174	109	Horizontal

Final Data List



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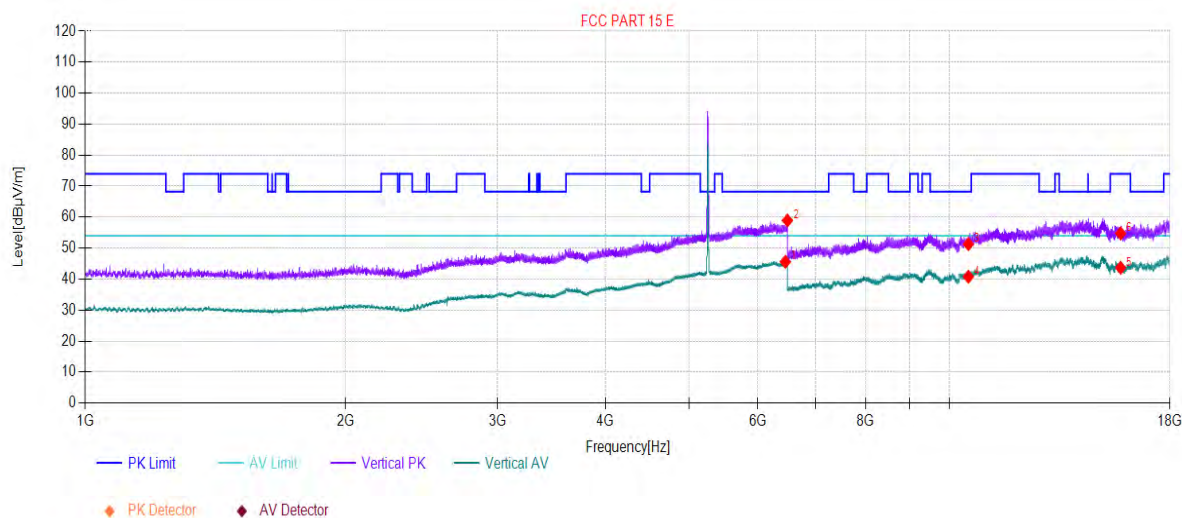
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4.9.2.80

802.11AC20_Channel 52

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6458.563	45.62	18.49	54.00	8.38	241	23	Vertical
2	6494.866	58.95	18.69	68.20	9.25	278	187	Vertical
3	10520.00	51.30	2.45	68.20	16.90	264	271	Vertical
4	10520.00	40.79	2.45	54.00	13.21	212	300	Vertical
5	15780.00	43.67	5.30	54.00	10.33	231	137	Vertical
6	15780.00	54.75	5.30	74.00	19.25	222	357	Vertical

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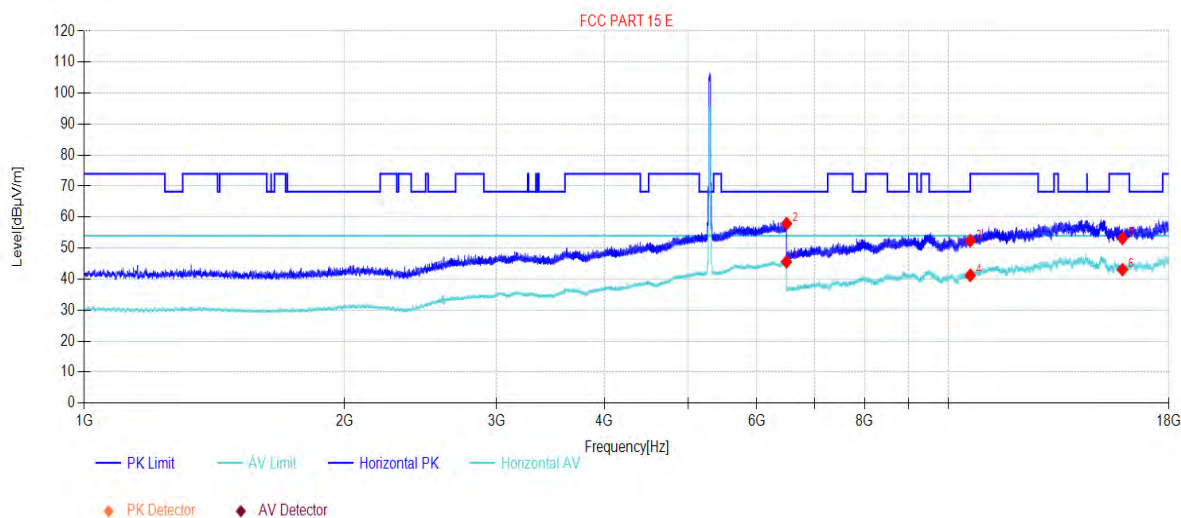
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4.9.2.81

802.11AC20_Channel 60

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6494.866	45.61	18.69	54.00	8.39	154	16	Horizontal
2	6498.166	57.94	18.70	68.20	10.26	167	215	Horizontal
3	10600.00	52.43	2.23	74.00	21.57	178	233	Horizontal
4	10600.00	41.24	2.23	54.00	12.76	165	176	Horizontal
5	15900.00	53.20	5.29	74.00	20.80	174	290	Horizontal
6	15900.00	43.08	5.29	54.00	10.92	132	300	Horizontal

Final Data List



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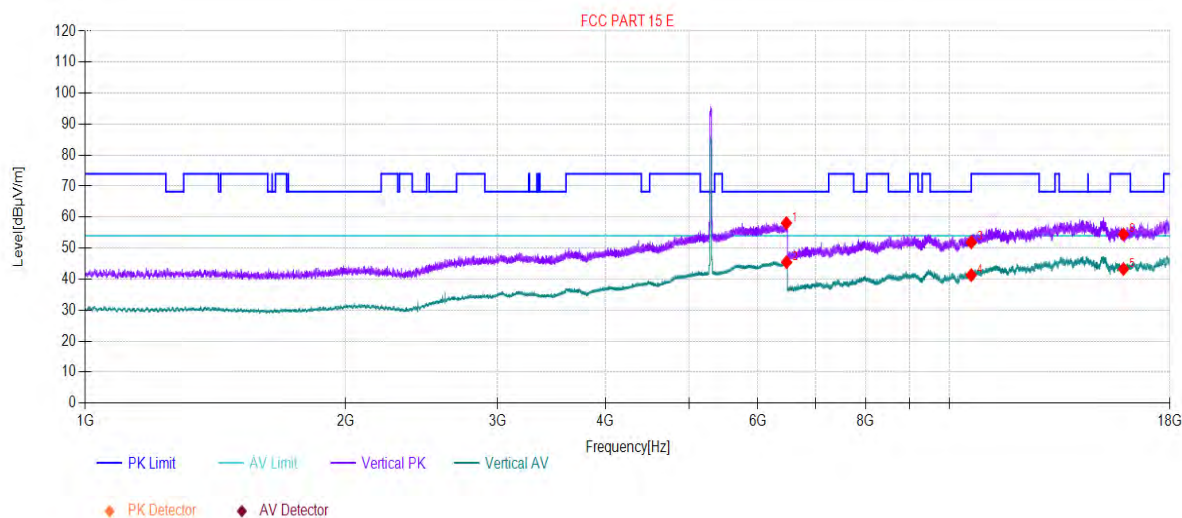
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4.9.2.82

802.11AC20_Channel 60

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6477.265	58.09	18.59	68.20	10.11	248	235	Vertical
2	6480.198	45.47	18.61	54.00	8.53	265	132	Vertical
3	10600.00	51.88	2.23	74.00	22.12	278	166	Vertical
4	10600.00	41.29	2.23	54.00	12.71	241	98	Vertical
5	15900.00	43.27	5.29	54.00	10.73	261	166	Vertical
6	15900.00	54.48	5.29	74.00	19.52	278	176	Vertical

Final Data List



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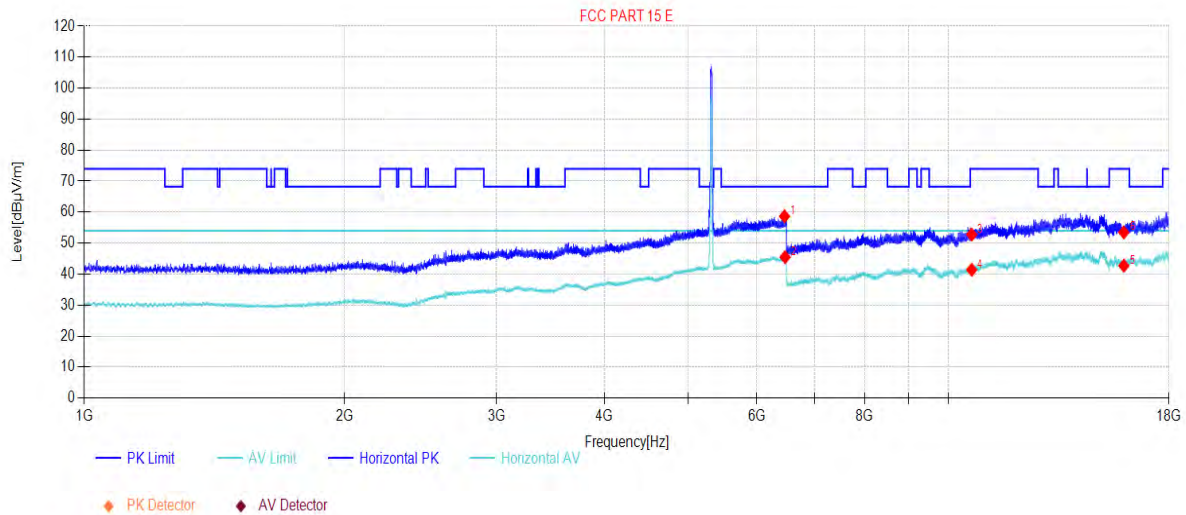
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4.9.2.83

802.11AC20_Channel 64

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6462.597	58.68	18.51	68.20	9.52	167	254	Horizontal
2	6472.498	45.49	18.56	54.00	8.51	178	282	Horizontal
3	10640.00	52.79	2.22	74.00	21.21	165	79	Horizontal
4	10640.00	41.40	2.22	54.00	12.60	150	89	Horizontal
5	15960.00	42.71	5.01	54.00	11.29	144	21	Horizontal
6	15960.00	53.47	5.01	74.00	20.53	132	204	Horizontal

Final Data List



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