

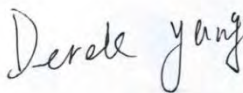
FCC TEST REPORT

Application No.: ZR/2020/C0062
Applicant: Sony Mobile Communications Inc.
Address of Applicant: 4-12-3 Higashi-Shinagawa, Shinagawa-ku, Tokyo 140-0002, Japan
Manufacturer: Sony Mobile Communications Inc.
Address of Manufacturer: 4-12-3 Higashi-Shinagawa, Shinagawa-ku, Tokyo 140-0002, Japan
EUT Description: GSM/WCDMA/LTE Phone with BT, DTS/UNII a/b/g/n/ac, GPS and NFC
Trade Mark: Sony
FCC ID: PY7-13951F
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 v02r01
 KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02
 KDB 905462 D03 Client Without DFS New Rules v01r02
 KDB 662911 D01 v02r01
 ANSI C63.10-2013, American National Standard for Testing Unlicensed Wireless Devices
Date of Receipt: 2020/12/23
Date of Test: 2020/12/23 to 2021/1/25
Date of Issue: 2021/5/8

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		2021-03-10		Original
02		2021-04-06		Comment Revised
03		2021-04-07		Comment Revised
04		2021-05-08		Update equipment list

Authorized for issue by:		
Prepared By		 <hr/> (Eason Wang) /Engineer
Checked By		 <hr/> (David Chen) /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*Ig(EBW)} (avg during transmission)			
	5470-5725	15.407(a)(2) 15.407(a)(4)	<MIN{250mW, 11dBm+10*Ig(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:			



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			§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
	5470-5750	15.407(b)(3) 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
	5725-5850	15.407(b)(4) 15.407(b)(6) 15.407(b)(7) 15.209				
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



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Contents

1	Version	2
2	Test Summary	3
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	9
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	158
4.10.1	Test Plots	161
4.11	Frequencies Stability	267
4.11.1	Frequency Error vs. Voltage	267
4.11.2	Frequency Error vs. Temperature	267
4.12	Dynamic Frequency Selection	268
4.12.1	DFS Overview	268
4.12.2	DFS Detection Thresholds	269
4.12.3	Response Requirements	269
4.12.4	Test plots	270
5	Measurement Uncertainty (95% confidence levels, k=2)	279
6	Equipment List	280



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7 Photographs - EUT Constructional Details282



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3 General Information

3.1 Details of Client

Applicant:	Sony Mobile Communications Inc.
Address of Applicant	4-12-3 Higashi-Shinagawa, Shinagawa-ku, Tokyo 140-0002, Japan
Manufacturer:	Sony Mobile Communications Inc.
Address of Manufacturer	4-12-3 Higashi-Shinagawa, Shinagawa-ku, Tokyo 140-0002, Japan

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, Mike Hu

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:	Ben Huang, Leah Chen



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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:	GSM/WCDMA/LTE Phone with BT, DTS/UNII a/b/g/n/ac, GPS and NFC	
Trade Mark:	Sony	
S/N:	005118ADNVM2	
IEEE 802.11 WLAN Mode Supported:	<input checked="" type="checkbox"/> 802.11a (20 MHz channel bandwidth) ; <input checked="" type="checkbox"/> 802.11n (20 MHz channel bandwidth); <input checked="" type="checkbox"/> 802.11n (40 MHz channel bandwidth); <input checked="" type="checkbox"/> 802.11ac (20 MHz channel bandwidth); <input checked="" type="checkbox"/> 802.11ac (40 MHz channel bandwidth); <input checked="" type="checkbox"/> 802.11ac (80 MHz channel bandwidth),	
Operation Frequency:	All	$f_c = 5000 \text{ MHz} + N * 5 \text{ MHz}$, where: -fc = "Operating Frequency" in MHz, -N = "Channel Number".
	5150-5250 MHz (U-NII)	N = 36 to 48 with step of 4 for the 20 MHz channel bandwidth. N = 38 to 46 with step of 8 for the 40 MHz channel bandwidth. N = 42 for the 80 MHz channel bandwidth.
	5250-5350 MHz (U-NII)	N = 52 to 64 with step of 4 for the 20 MHz channel bandwidth. N = 54 to 62 with step of 8 for the 40 MHz channel bandwidth. N = 58 for the 80 MHz channel bandwidth.
	5470-5650 MHz (U-NII) (for FCC)	N = 100 to 128 with step of 4 for the 20 MHz channel bandwidth. N = 102 to 126 with step of 8 for the 40 MHz channel bandwidth. N = 106 to 122 with step of 16 for the 80 MHz channel bandwidth.
	5650-5725 MHz (U-NII)	N = 132 to 144 with step of 4 for the 20 MHz channel bandwidth. N = 134 to 142 with step of 8 for the 40 MHz channel bandwidth. N = 138 for the 80 MHz channel bandwidth.
	5725-5850MHz(U-NII)	N = 149 to 165 with step of 4 for the 20 MHz channel bandwidth. N = 151 to 159 with step of 8 for the 40 MHz channel bandwidth. N = 155 for the 80 MHz channel bandwidth.
Type of Modulation:	OFDM	
DFS mode:	<input type="checkbox"/> Master <input type="checkbox"/> Slave with radar detection <input checked="" type="checkbox"/> Slave without radar detection	
Sample Type:	<input checked="" type="checkbox"/> Portable Device, <input type="checkbox"/> Module	
Antenna Type:	<input type="checkbox"/> External, <input checked="" type="checkbox"/> Integrated	
Antenna Ports	<input checked="" type="checkbox"/> Ant 6, <input checked="" type="checkbox"/> Ant 7	
Smart System:	<input checked="" type="checkbox"/> SISO (for 802.11a/n/ac), <input checked="" type="checkbox"/> MIMO (for 802.11a/n/ac), <input type="checkbox"/> Diversity (for 802.11a) : Tx & Rx	
Antenna Gain:	W52:-0.5dBi(ANT6); -2.8dBi(ANT7); W53:0 dBi(ANT6); -1.7dBi(ANT7); W56:0.6 dBi(ANT6); -1.3dBi(ANT7); W58:0.9 dBi(ANT6); -2.28dBi(ANT7);	



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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	5720
IEEE 802.11n/ac 40MHz	The Lowest channel	5510
	The Middle channel	5550
	The Highest channel	5710
IEEE 802.11ac 80MHz	The Lowest channel	5530
	The Highest channel	5690

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:	55 % RH
Atmospheric Pressure:	101.32 KPa
Test mode:	
Modulation	Data Rate
802.11a	6Mbps
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ac VHT20	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS0



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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 0.9dBi(ANT6); -1.3dBi(ANT7).	

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:	<ol style="list-style-type: none"> 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. 		



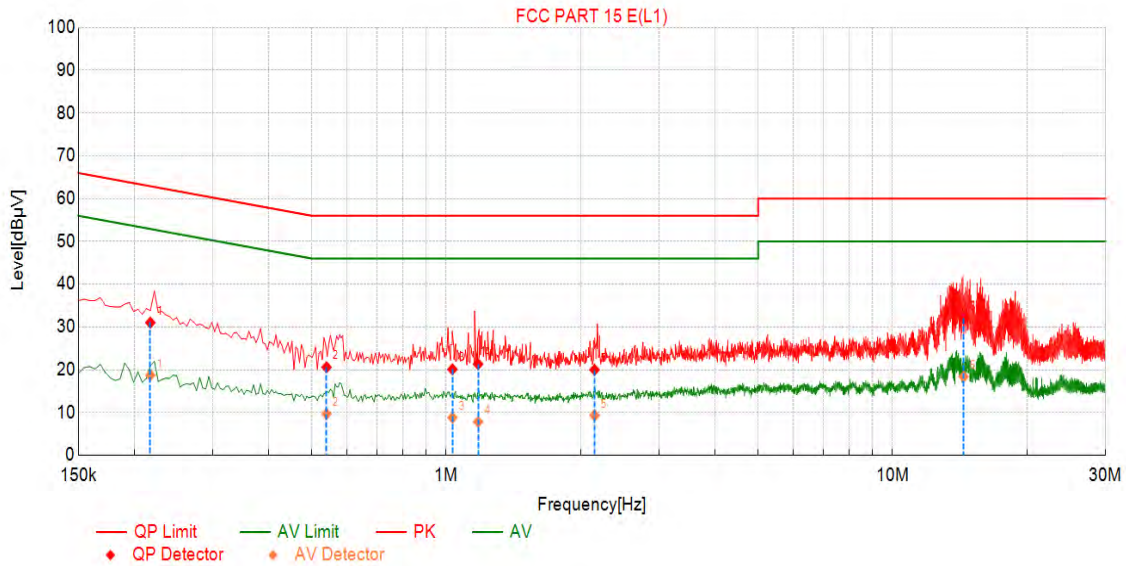
<p>Test Setup:</p>	
<p>Exploratory Test Mode:</p>	<p>Transmitting with all kind of modulations, data rates at lowest, middle and highest channel.</p>
<p>Final Test Mode:</p>	<p>Through Pre-scan, find the 6Mbps of rate of 802.11a at lowest channel is the worst case. Only the worst case is recorded in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



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.

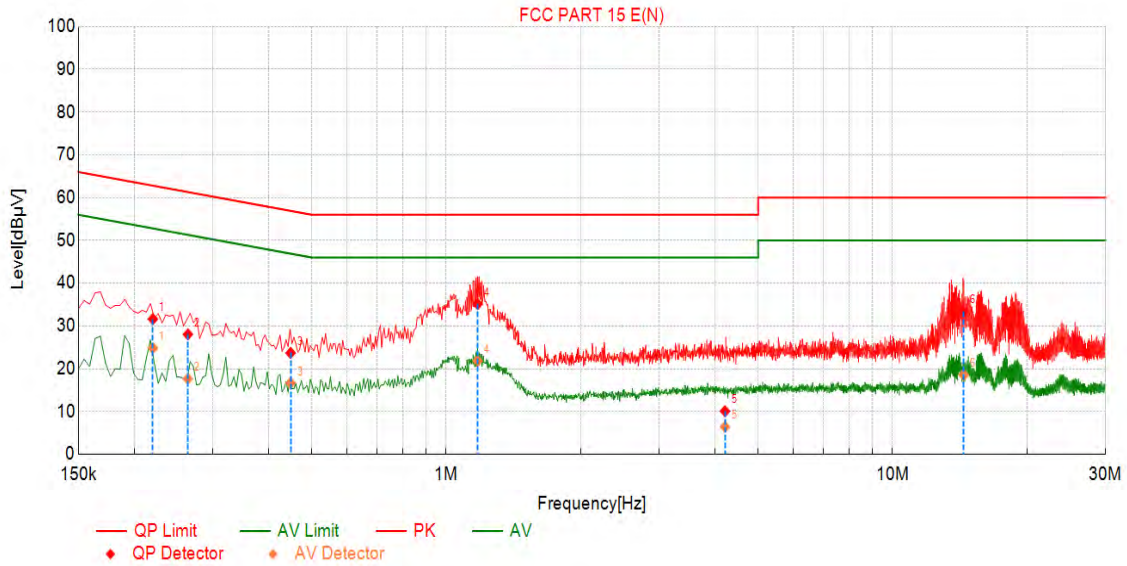
Live Line:



Final Data List								
NO.	Freq. [MHz]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]	Verdict
1	0.2175	31.03	62.91	31.88	18.71	52.91	34.20	PASS
2	0.5396	20.59	56.00	35.41	9.68	46.00	36.32	PASS
3	1.0329	20.10	56.00	35.90	8.81	46.00	37.19	PASS
4	1.1792	21.32	56.00	34.68	7.84	46.00	38.16	PASS
5	2.1499	20.00	56.00	36.00	9.34	46.00	36.66	PASS
6	14.4324	32.07	60.00	27.93	18.37	50.00	31.63	PASS



Neutral Line:



Final Data List								
NO.	Freq. [MHz]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]	Verdict
1	0.2203	31.62	62.81	31.19	24.81	52.81	28.00	PASS
2	0.2640	28.04	61.31	33.27	17.64	51.31	33.67	PASS
3	0.4483	23.70	56.91	33.21	16.66	46.91	30.25	PASS
4	1.1766	35.12	56.00	20.88	21.85	46.00	24.15	PASS
5	4.2137	10.07	56.00	45.93	6.41	46.00	39.59	PASS
6	14.4271	33.37	60.00	26.63	18.56	50.00	31.44	PASS

Remarks:

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



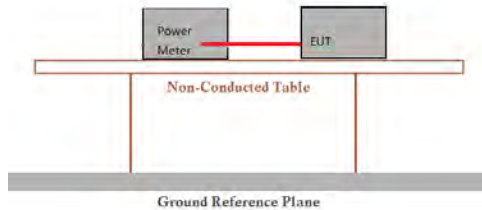
4.3 Duty Cycle

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



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4.4 Conducted Output Power

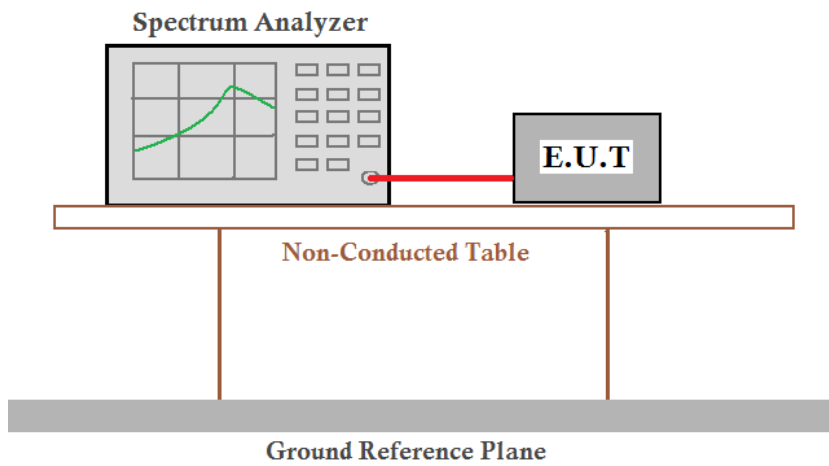
Test Requirement:	47 CFR Part 15 Section 15.407(a)	
Test Method:	ANSI C63.10 :2013	
Test Setup:		
Test Instruments:	Refer to section 6 for details	
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates	
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate is the worst case 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). 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 D**



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4.5 26dB Emission Bandwidth

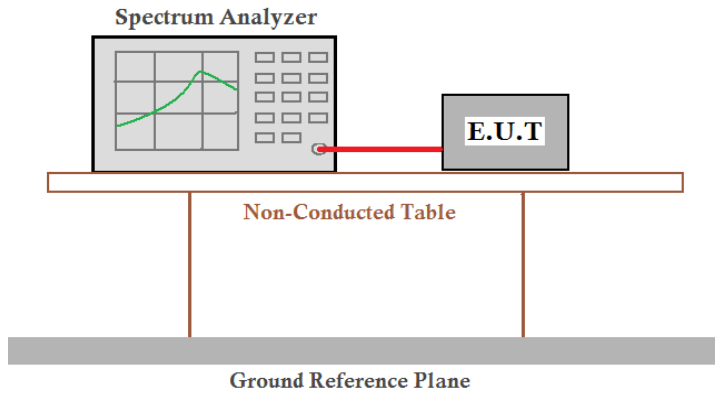
Test Requirement:	47 CFR Part 15 Section 15.407(a)
Test Method:	ANSI C63.10: 2013
Test Setup:	
Instruments Used:	Refer to section 6 for details
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate is the worst case of 802.11a; 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 D**



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4.6 6dB Emission Bandwidth

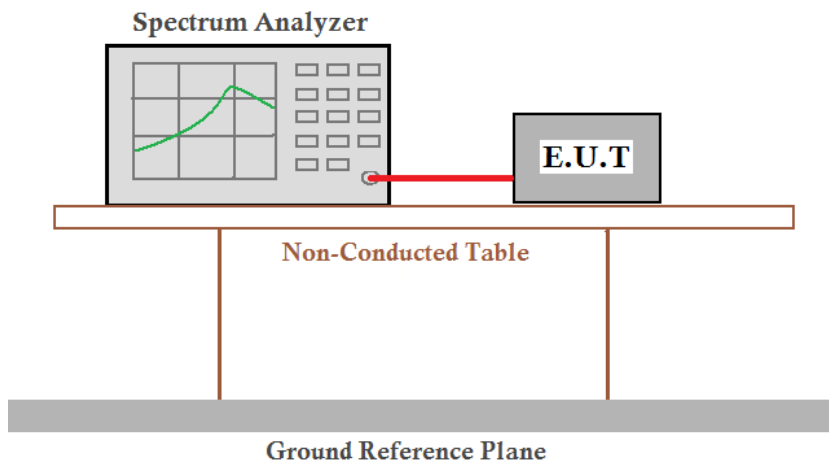
Test Requirement:	47 CFR Part 15 Section 15.407(e)	
Test Method:	ANSI C63.10: 2013	
Test Setup:		
Test Instruments:	Refer to section 6 for details	
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates	
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate is the worst case 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 least 500kHz
Test Results:	Pass	

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



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4.7 99% Occupied Bandwidth

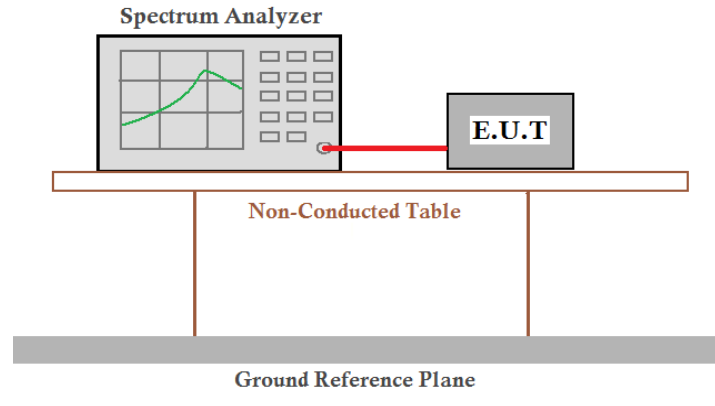
Test Requirement:	47 CFR Part 15 Section 15.407(a)
Test Method:	ANSI C63.10: 2013
Test Setup:	
Instruments Used:	Refer to section 6 for details
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate is the worst case of 802.11a; 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 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). 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 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:	

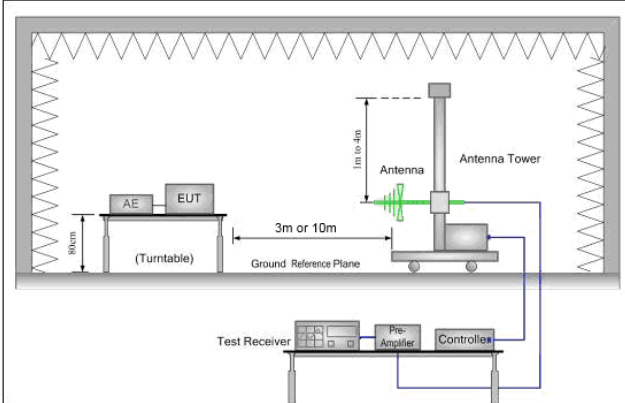


Figure 1. 30MHz to 1GHz

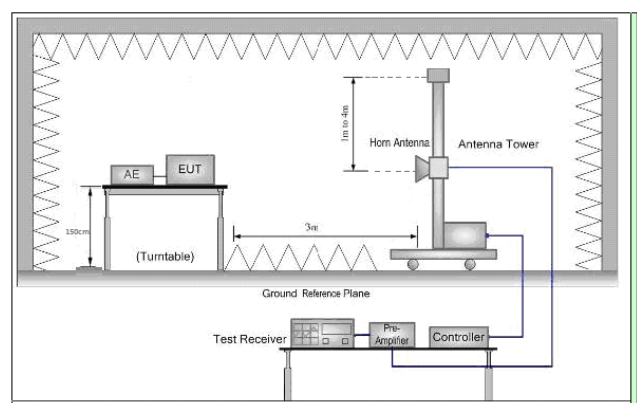


Figure 2. Above 1 GHz

Test Procedure:	<ol style="list-style-type: none"> 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.
Test Configuration:	Measurements Below 1000MHz <ul style="list-style-type: none"> RBW = 120 kHz VBW = 300 kHz Detector = Peak



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	<ul style="list-style-type: none"> • Trace mode = max hold <p>Peak Measurements Above 1000 MHz</p> <ul style="list-style-type: none"> • RBW = 1 MHz • VBW \geq 3 MHz • Detector = Peak • Sweep time = auto • Trace mode = max hold <p>Average Measurements Above 1000MHz</p> <ul style="list-style-type: none"> • RBW = 1 MHz • VBW = 10 Hz, when duty cycle is no less than 98 percent. • VBW \geq 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates.
Final Test Mode:	<p>Through Pre-scan, find the</p> <p>6Mbps of rate is the worst case of 802.11a;</p> <p>MCS0 of rate is the worst case of 802.11n(HT20) ;</p> <p>MCS0 of rate is the worst case of 802.11n(HT40);</p> <p>MCS0 of rate is the worst case of 802.11ac(VHT20).</p> <p>MCS0 of rate is the worst case of 802.11ac(VHT40).</p> <p>MCS0 of rate is the worst case of 802.11ac(VHT80).</p> <p>For below 1GHz, through Pre-scan, find the 1Mbps of rate of 802.11a at lowest channel is the worst case.</p> <p>Only the worst case is recorded in the report.</p>
Instruments Used:	Refer to section 6 for details
Test Results:	Pass
Remark:	The Emission Test is performed by the Lab B

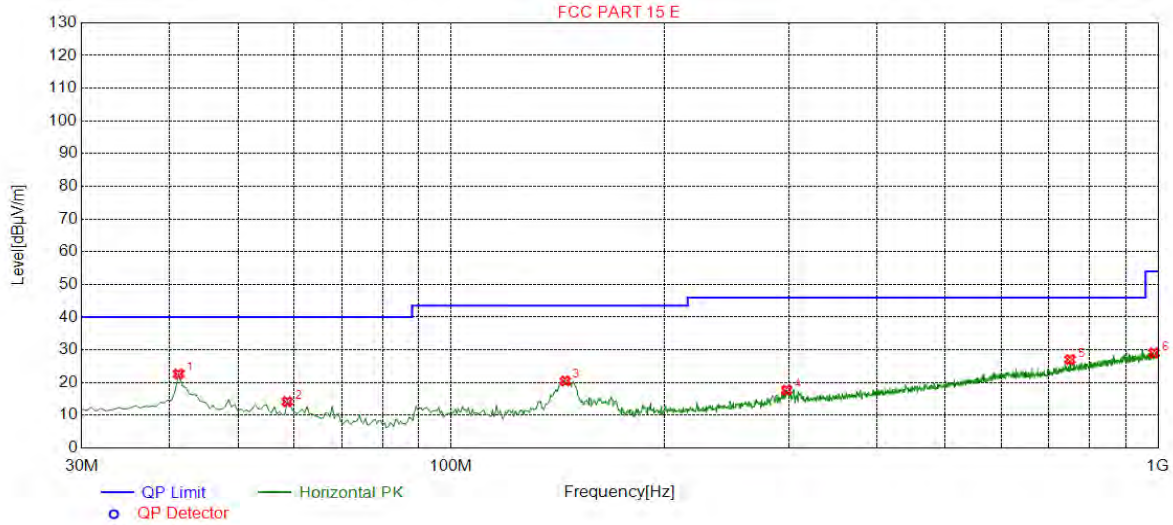


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4.9.1 Radiated emission below 1GHz

Test Graph



Suspected List

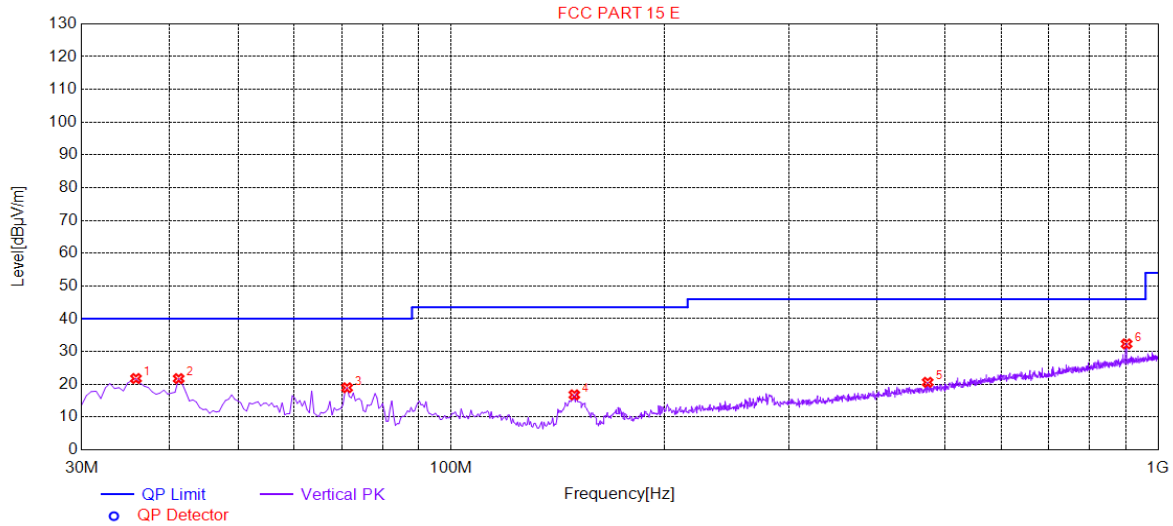
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	41.1606	22.65	-28.83	40.00	17.35	107	280	Horizontal
2	58.6293	14.19	-31.66	40.00	25.81	243	143	Horizontal
3	145.002	20.52	-35.31	43.50	22.98	245	116	Horizontal
4	298.339	17.74	-28.32	46.00	28.26	214	78	Horizontal
5	750.585	27.03	-18.32	46.00	18.97	136	158	Horizontal
6	986.898	29.08	-14.97	54.00	24.92	225	359	Horizontal

Final Data List



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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	21.78	-29.69	40.00	18.22	210	139	Vertical
2	41.1606	21.75	-28.83	40.00	18.25	200	76	Vertical
3	71.2456	18.96	-34.61	40.00	21.04	274	124	Vertical
4	149.369	16.81	-35.11	43.50	26.69	155	148	Vertical
5	472.056	20.62	-23.98	46.00	25.38	200	0	Vertical
6	902.466	32.34	-16.00	46.00	13.66	224	339	Vertical

Final Data List



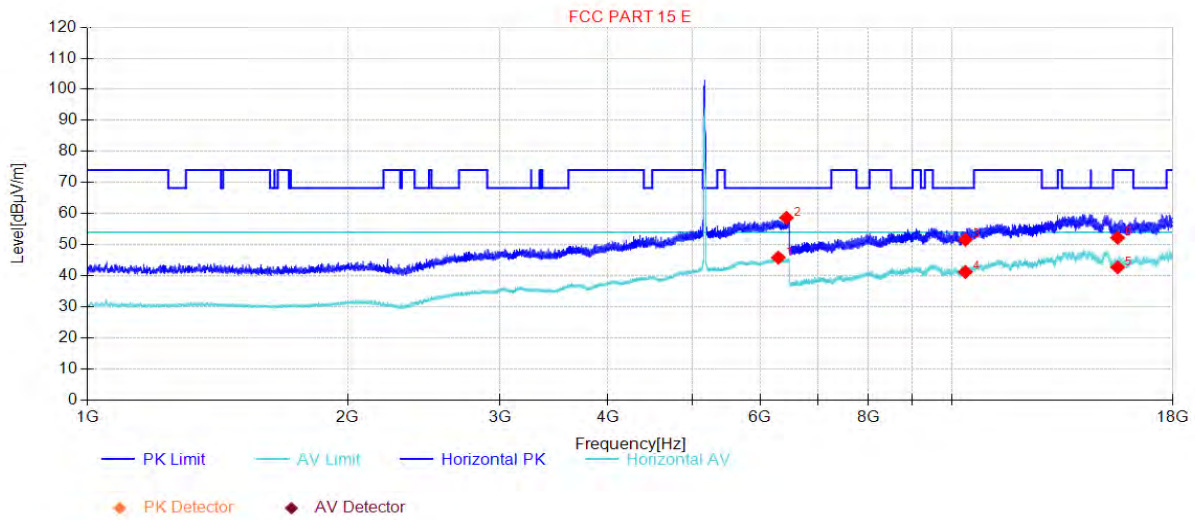
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4.9.2 Transmitter emission above 1GHz

4.9.2.1 802.11A_Channel 36 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6295.753	45.84	18.46	54.00	8.16	176	Horizontal
2	6432.528	58.63	18.34	68.20	9.57	157	Horizontal
3	10360.00	51.57	2.38	68.20	16.63	194	Horizontal
4	10360.00	41.20	2.38	54.00	12.80	138	Horizontal
5	15540.00	42.70	5.88	54.00	11.30	148	Horizontal
6	15540.00	52.22	5.88	74.00	21.78	125	Horizontal

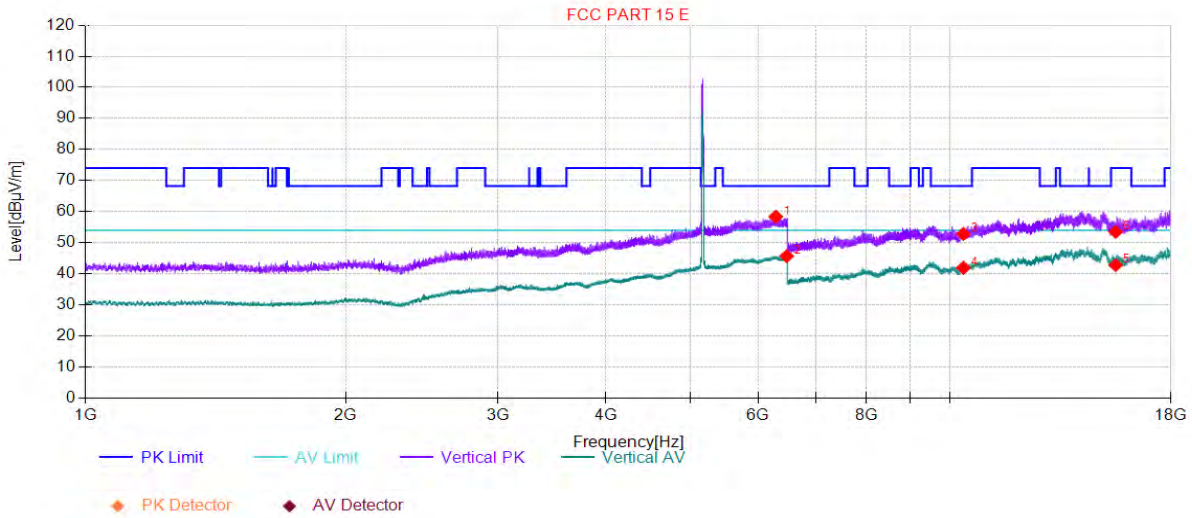
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4.9.2.2 802.11A_Channel 36 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6286.585	58.36	18.42	68.20	9.84	134	Vertical
2	6471.398	45.65	18.56	54.00	8.35	120	Vertical
3	10360.00	52.77	2.38	68.20	15.43	181	Vertical
4	10360.00	41.90	2.38	54.00	12.10	176	Vertical
5	15540.00	42.76	5.88	54.00	11.24	137	Vertical
6	15540.00	53.49	5.88	74.00	20.51	154	Vertical

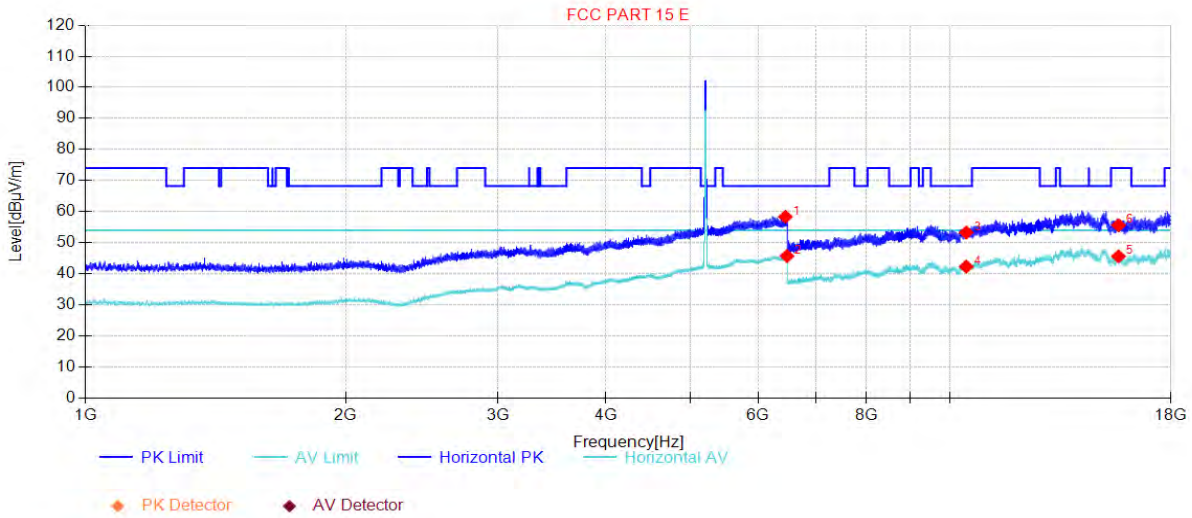
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4.9.2.3 802.11A_Channel 44 MIMO

Test Graph



Suspected List

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6449.396	58.34	18.43	68.20	9.86	139	Horizontal
2	6477.265	45.69	18.59	54.00	8.31	136	Horizontal
3	10440.00	53.27	2.46	68.20	14.93	115	Horizontal
4	10440.00	42.27	2.46	54.00	11.73	130	Horizontal
5	15660.00	45.57	6.12	54.00	8.43	158	Horizontal
6	15660.00	55.60	6.12	74.00	18.40	112	Horizontal

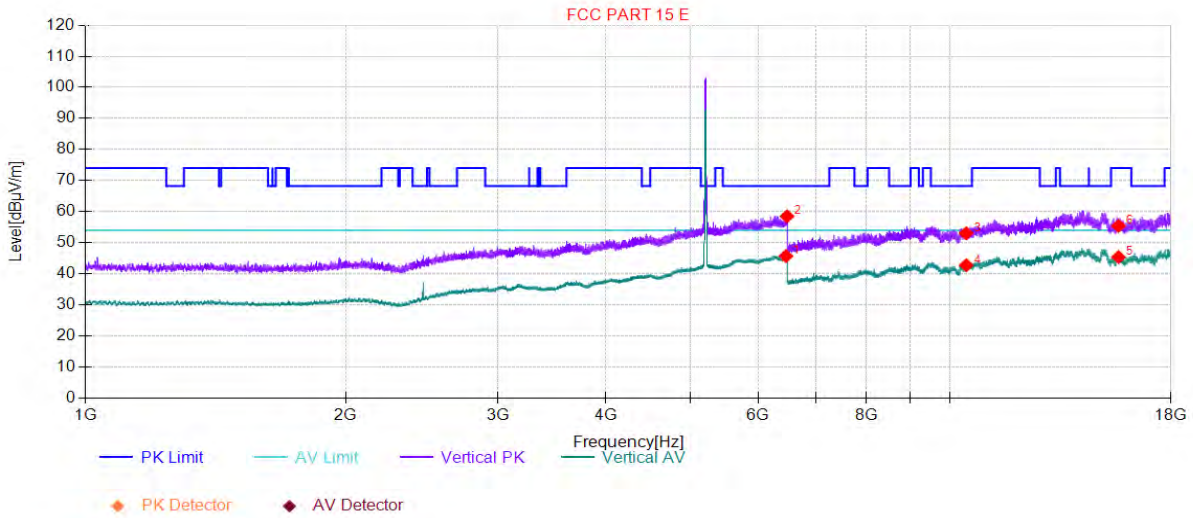
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4.9.2.4 802.11A_Channel 44 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6458.197	45.66	18.48	54.00	8.34	163	Vertical
2	6477.265	58.47	18.59	68.20	9.73	125	Vertical
3	10440.00	53.00	2.46	68.20	15.20	142	Vertical
4	10440.00	42.72	2.46	54.00	11.28	161	Vertical
5	15660.00	45.34	6.12	54.00	8.66	181	Vertical
6	15660.00	55.38	6.12	74.00	18.62	197	Vertical

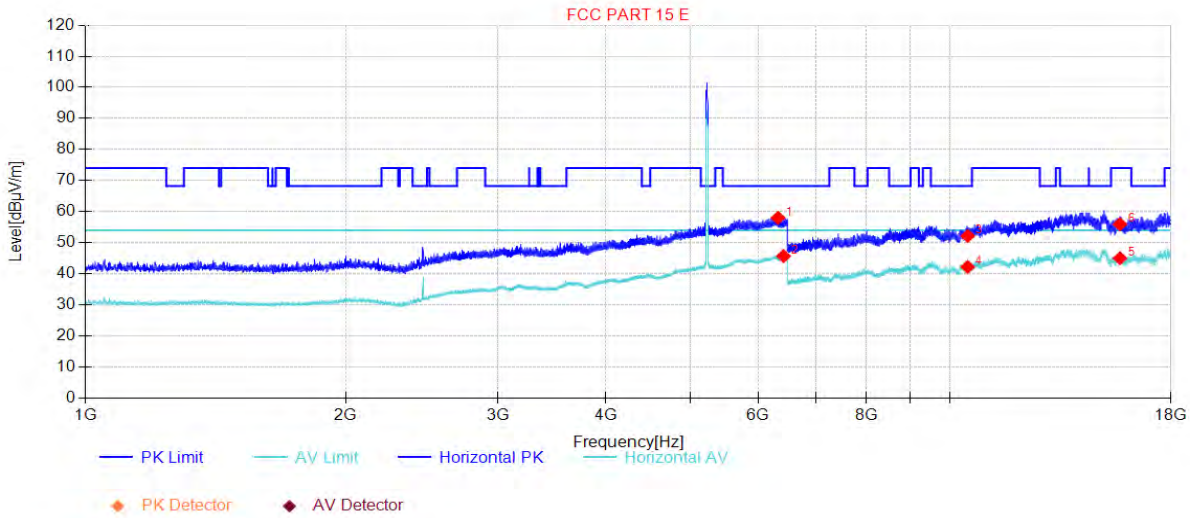
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4.9.2.5 802.11A_Channel 48 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6324.721	57.99	18.40	68.20	10.21	184	Horizontal
2	6417.494	45.67	18.26	54.00	8.33	105	Horizontal
3	10480.00	52.16	2.49	68.20	16.04	160	Horizontal
4	10480.00	42.20	2.49	54.00	11.80	137	Horizontal
5	15720.00	44.97	5.92	54.00	9.03	164	Horizontal
6	15720.00	55.93	5.92	74.00	18.07	153	Horizontal

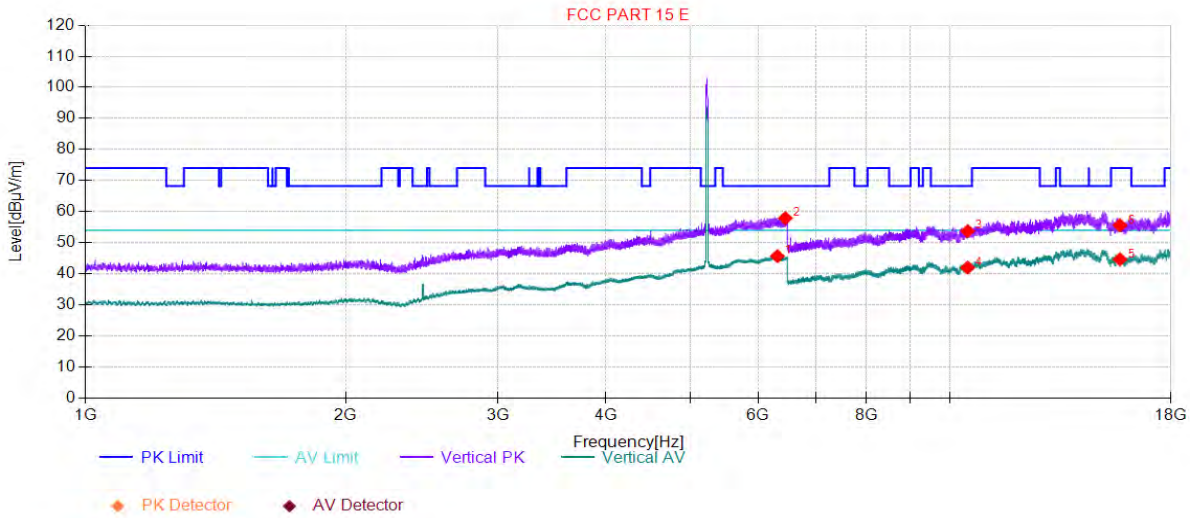
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4.9.2.6 802.11A_Channel 48 MIMO

Test Graph



Suspected List

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6312.620	45.65	18.44	54.00	8.35	148	Vertical
2	6448.296	57.87	18.43	68.20	10.33	137	Vertical
3	10480.00	53.71	2.49	68.20	14.49	187	Vertical
4	10480.00	41.96	2.49	54.00	12.04	199	Vertical
5	15720.00	44.62	5.92	54.00	9.38	132	Vertical
6	15720.00	55.57	5.92	74.00	18.43	158	Vertical

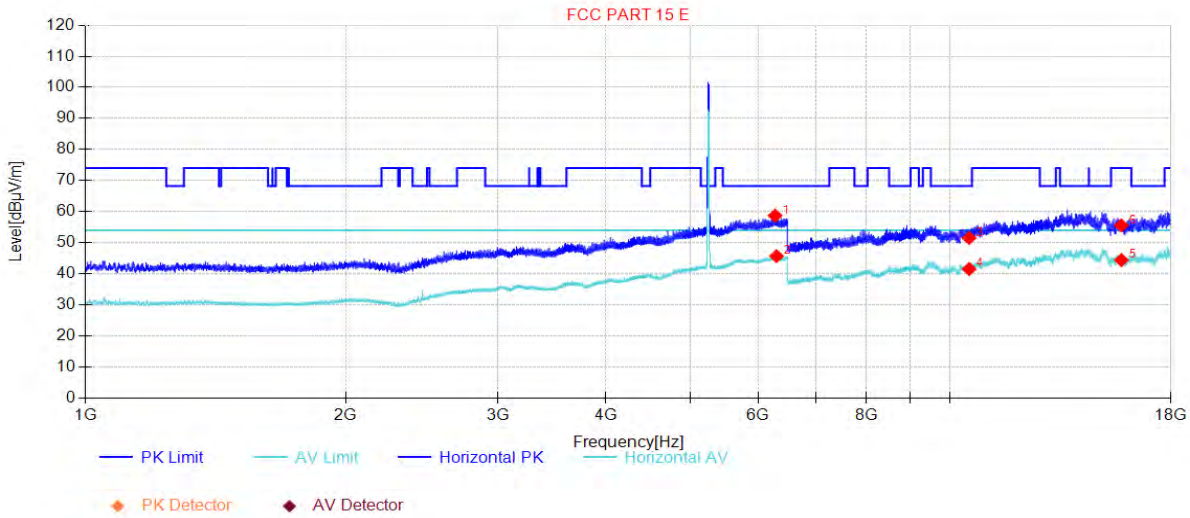
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4.9.2.7 802.11A_Channel 52 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6275.585	58.69	18.37	68.20	9.51	101	Horizontal
2	6299.786	45.63	18.48	54.00	8.37	179	Horizontal
3	10520.00	51.51	2.45	68.20	16.69	166	Horizontal
4	10520.00	41.51	2.45	54.00	12.49	124	Horizontal
5	15780.00	44.38	5.30	54.00	9.62	164	Horizontal
6	15780.00	55.55	5.30	74.00	18.45	125	Horizontal

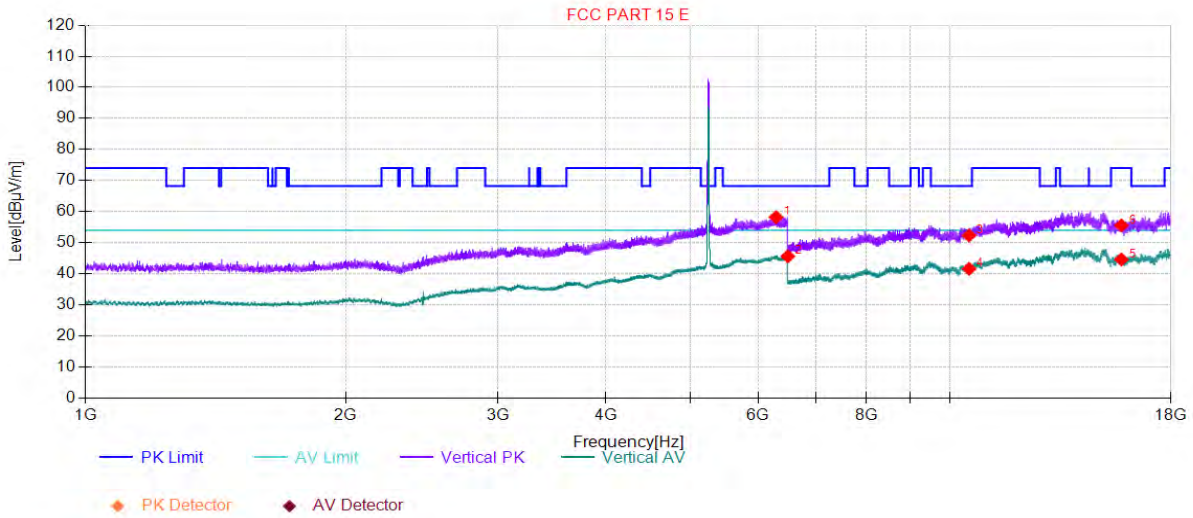
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4.9.2.8 802.11A_Channel 52 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6290.986	58.17	18.44	68.20	10.03	186	Vertical
2	6491.199	45.59	18.67	54.00	8.41	154	Vertical
3	10520.00	52.33	2.45	68.20	15.87	116	Vertical
4	10520.00	41.57	2.45	54.00	12.43	139	Vertical
5	15780.00	44.57	5.30	54.00	9.43	163	Vertical
6	15780.00	55.52	5.30	74.00	18.48	194	Vertical

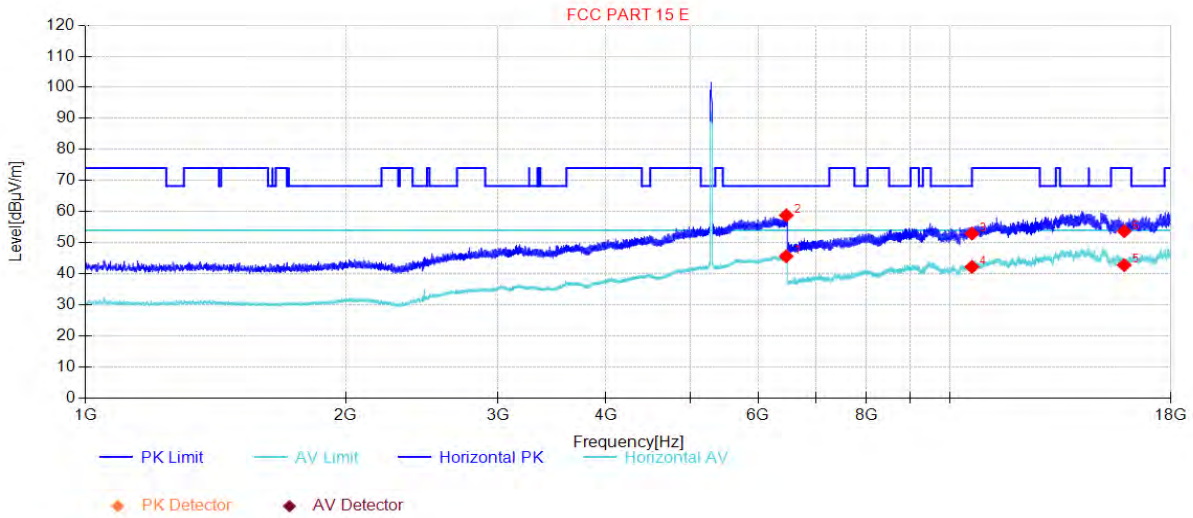
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4.9.2.9 802.11A_Channel 60 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6463.330	45.58	18.51	54.00	8.42	141	Horizontal
2	6465.531	58.77	18.52	68.20	9.43	190	Horizontal
3	10600.00	52.92	2.23	74.00	21.08	139	Horizontal
4	10600.00	42.20	2.23	54.00	11.80	167	Horizontal
5	15900.00	42.76	5.29	54.00	11.24	152	Horizontal
6	15900.00	53.68	5.29	74.00	20.32	161	Horizontal

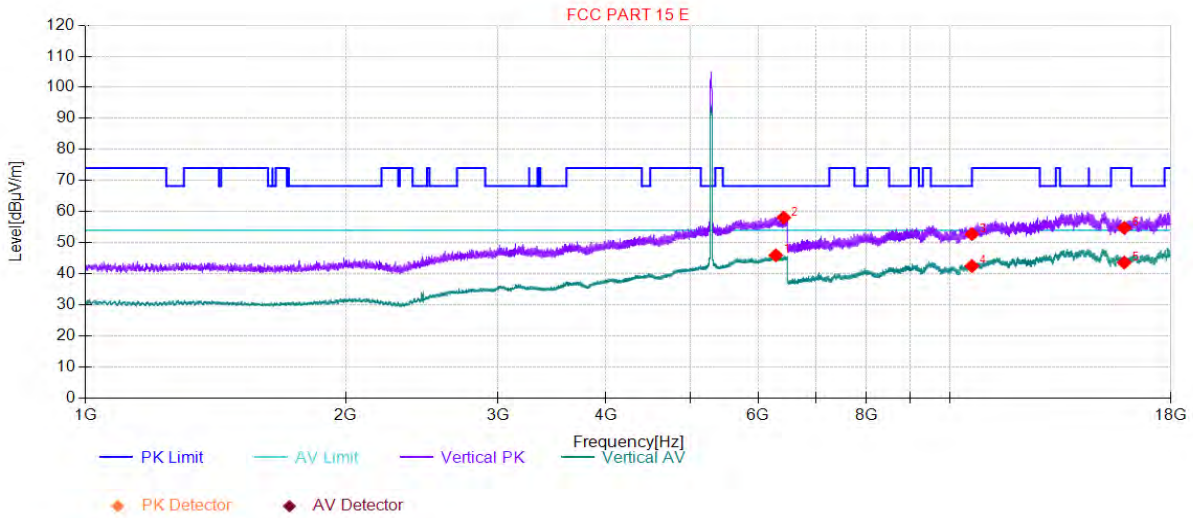
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4.9.2.10 802.11A_Channel 60 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6286.585	45.92	18.42	54.00	8.08	170	Vertical
2	6421.161	58.06	18.28	68.20	10.14	179	Vertical
3	10600.00	52.70	2.23	74.00	21.30	120	Vertical
4	10600.00	42.47	2.23	54.00	11.53	186	Vertical
5	15900.00	43.58	5.29	54.00	10.42	108	Vertical
6	15900.00	54.76	5.29	74.00	19.24	116	Vertical

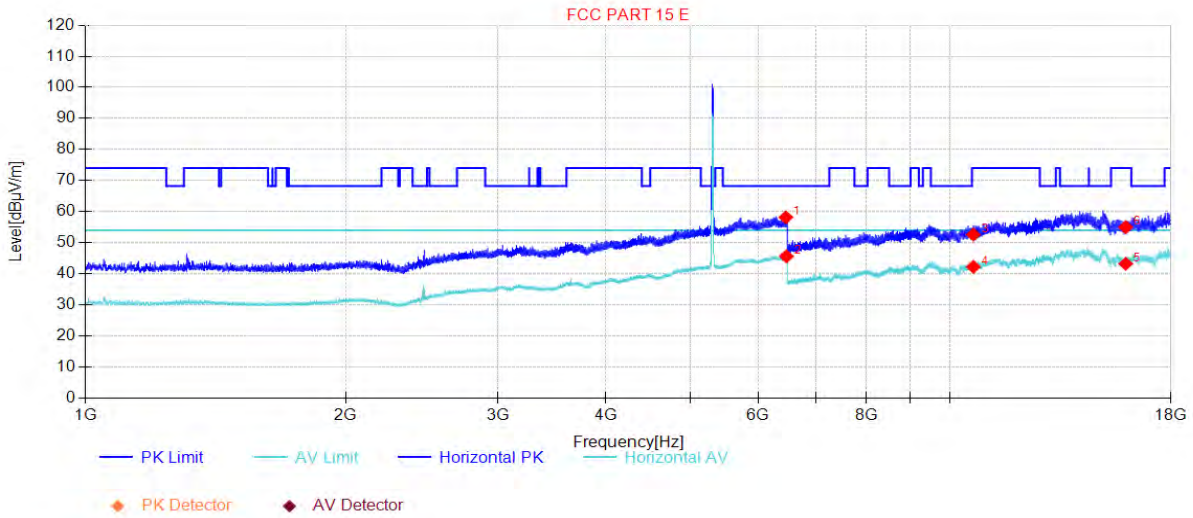
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4.9.2.11 802.11A_Channel 64 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6457.463	58.13	18.48	68.20	10.07	168	Horizontal
2	6466.631	45.58	18.53	54.00	8.42	176	Horizontal
3	10640.00	52.56	2.22	74.00	21.44	144	Horizontal
4	10640.00	42.22	2.22	54.00	11.78	130	Horizontal
5	15960.00	43.18	5.01	54.00	10.82	125	Horizontal
6	15960.00	54.97	5.01	74.00	19.03	185	Horizontal

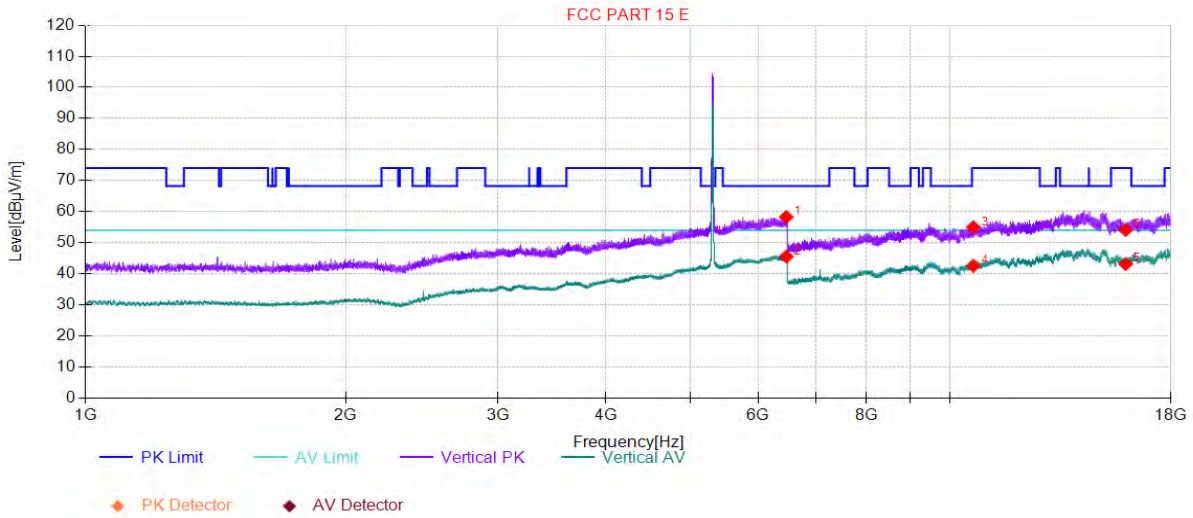
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4.9.2.12 802.11A_Channel 64 MIMO

Test Graph



Suspected List

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6464.064	58.24	18.52	68.20	9.96	145	Vertical
2	6465.897	45.49	18.53	54.00	8.51	189	Vertical
3	10640.00	54.94	2.22	74.00	19.06	134	Vertical
4	10640.00	42.54	2.22	54.00	11.46	123	Vertical
5	15960.00	43.11	5.01	54.00	10.89	135	Vertical
6	15960.00	54.08	5.01	74.00	19.92	169	Vertical

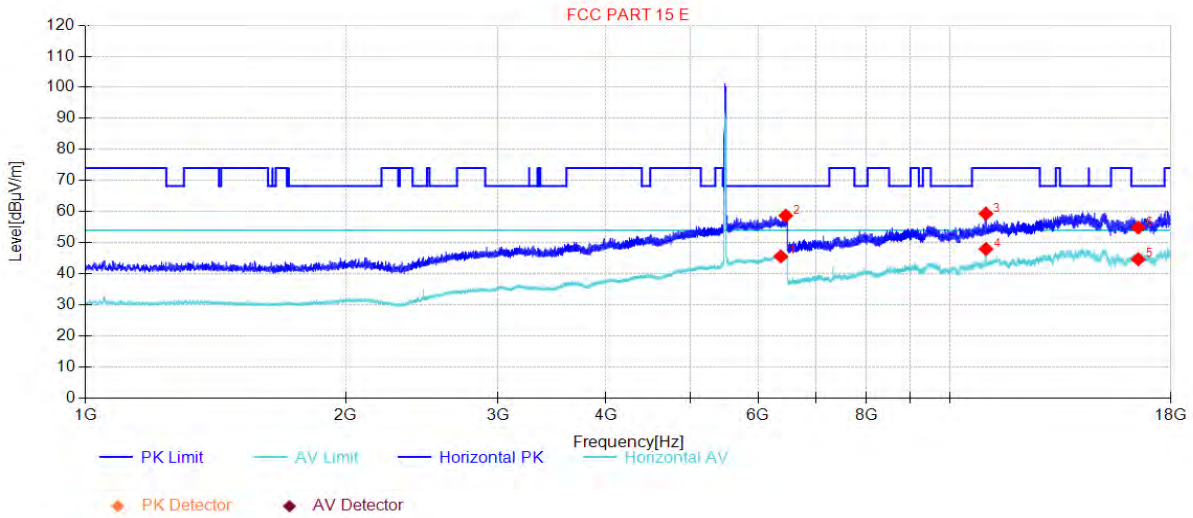
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4.9.2.13 802.11A_Channel 100 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6372.391	45.57	18.25	54.00	8.43	175	Horizontal
2	6457.097	58.68	18.48	68.20	9.52	112	Horizontal
3	11000.82	59.33	2.74	74.00	14.67	122	Horizontal
4	11004.04	47.95	2.73	54.00	6.05	156	Horizontal
5	16500.00	44.64	5.09	54.00	9.36	176	Horizontal
6	16500.00	54.84	5.09	68.20	13.36	131	Horizontal

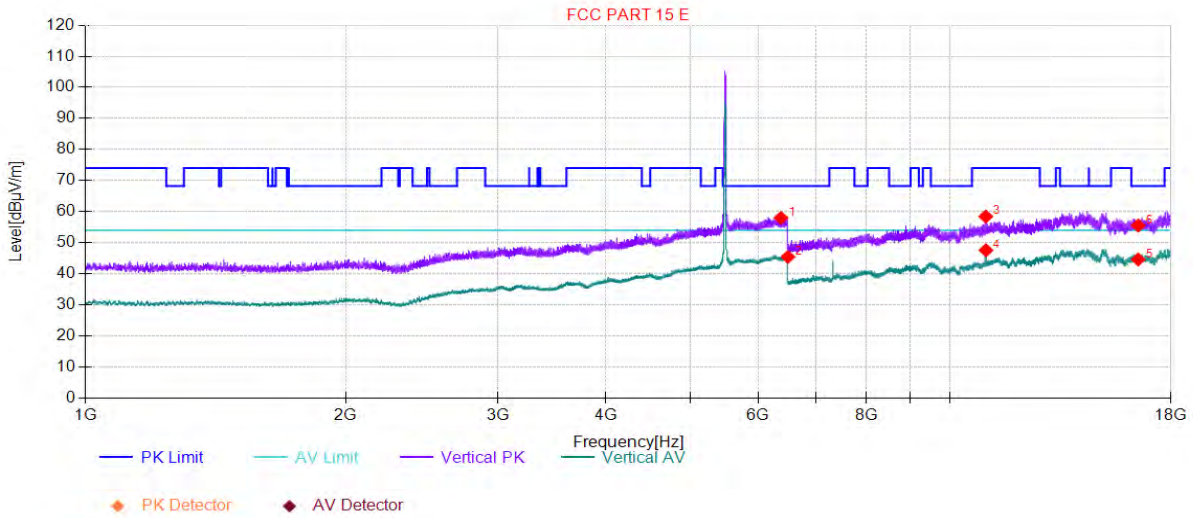
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4.9.2.14 802.11A_Channel 100 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6374.591	57.98	18.24	68.20	10.22	166	Vertical
2	6492.666	45.40	18.67	54.00	8.60	197	Vertical
3	10996.21	58.42	2.73	74.00	15.58	107	Vertical
4	11001.28	47.55	2.74	54.00	6.45	100	Vertical
5	16500.00	44.57	5.09	54.00	9.43	146	Vertical
6	16500.00	55.51	5.09	68.20	12.69	149	Vertical

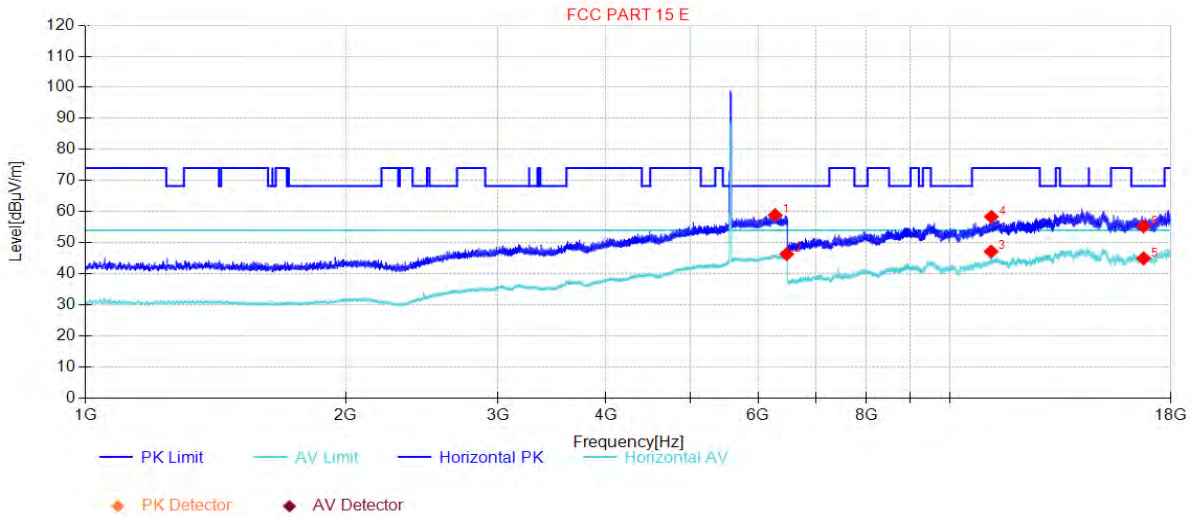
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4.9.2.15 802.11A_Channel 116 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6275.218	58.85	18.36	68.20	9.35	122	Horizontal
2	6471.398	46.30	18.56	54.00	7.70	130	Horizontal
3	11154.92	47.13	2.53	54.00	6.87	144	Horizontal
4	11161.82	58.32	2.54	74.00	15.68	178	Horizontal
5	16740.00	44.92	5.53	54.00	9.08	182	Horizontal
6	16740.00	55.26	5.53	68.20	12.94	194	Horizontal

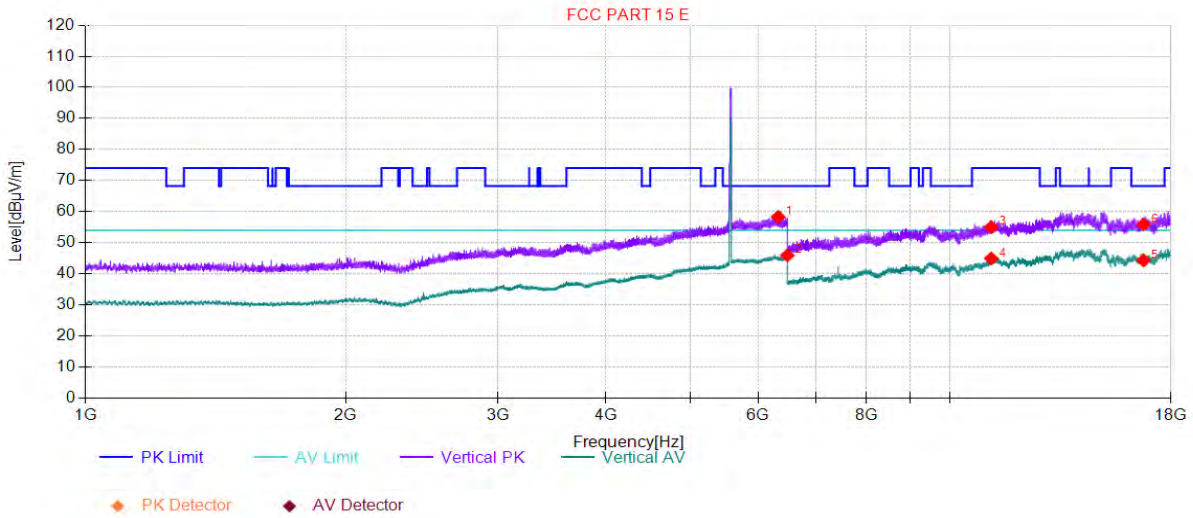
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4.9.2.16 802.11A_Channel 116 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6327.288	58.28	18.40	68.20	9.92	157	Vertical
2	6483.498	45.89	18.62	54.00	8.11	193	Vertical
3	11160.00	54.98	2.54	74.00	19.02	130	Vertical
4	11160.00	44.88	2.54	54.00	9.12	171	Vertical
5	16740.00	44.29	5.53	54.00	9.71	142	Vertical
6	16740.00	55.86	5.53	68.20	12.34	105	Vertical

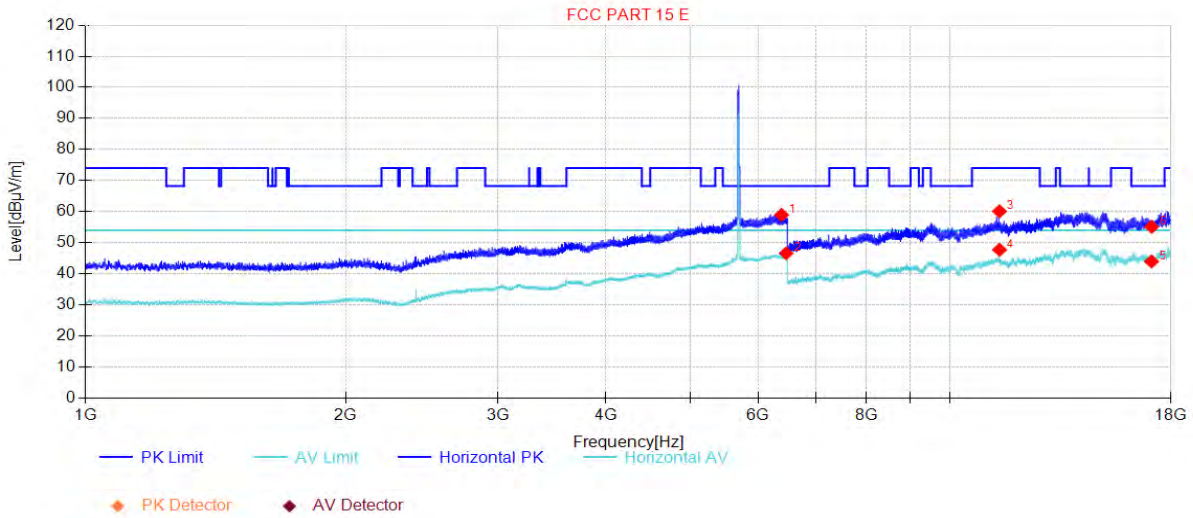
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4.9.2.17 802.11A_Channel 140 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6383.392	58.92	18.21	68.20	9.28	108	Horizontal
2	6461.864	46.57	18.50	54.00	7.43	136	Horizontal
3	11403.33	60.08	2.52	74.00	13.92	156	Horizontal
4	11406.55	47.69	2.50	54.00	6.31	125	Horizontal
5	17100.00	43.93	5.72	54.00	10.07	134	Horizontal
6	17100.00	55.11	5.72	68.20	13.09	122	Horizontal

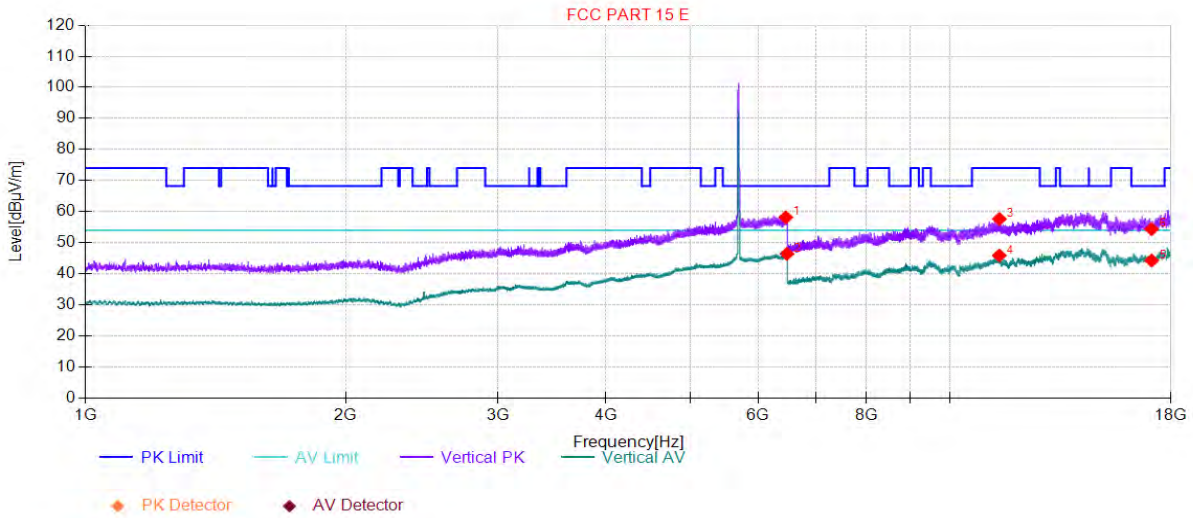
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4.9.2.18 802.11A_Channel 140 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6455.630	58.13	18.47	68.20	10.07	142	Vertical
2	6476.165	46.40	18.58	54.00	7.60	182	Vertical
3	11400.00	57.63	2.54	74.00	16.37	197	Vertical
4	11400.00	45.85	2.54	54.00	8.15	109	Vertical
5	17100.00	44.23	5.72	54.00	9.77	192	Vertical
6	17100.00	54.34	5.72	68.20	13.86	128	Vertical

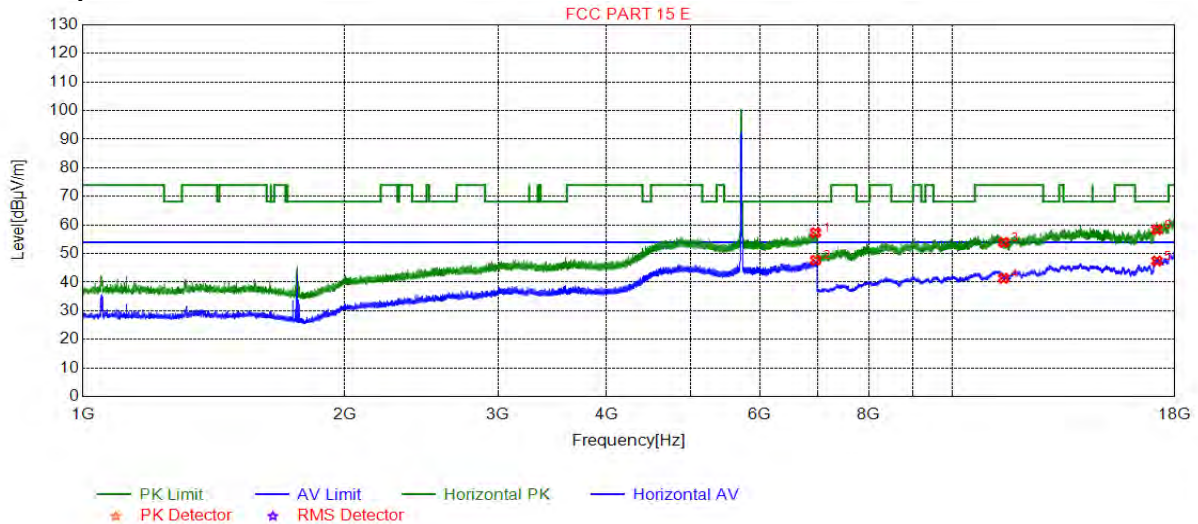
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4.9.2.19 802.11A_Channel 144 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6953.49	57.35	21.76	68.20	10.85	102	175	Horizontal
2	6955.59	47.69	21.76	54.00	6.31	187	72	Horizontal
3	11440.0	53.93	-1.12	74.00	20.07	156	312	Horizontal
4	11440.0	41.38	-1.12	54.00	12.62	174	278	Horizontal
5	17160.0	47.44	1.53	54.00	6.56	110	177	Horizontal
6	17160.0	58.37	1.53	68.20	9.83	122	177	Horizontal

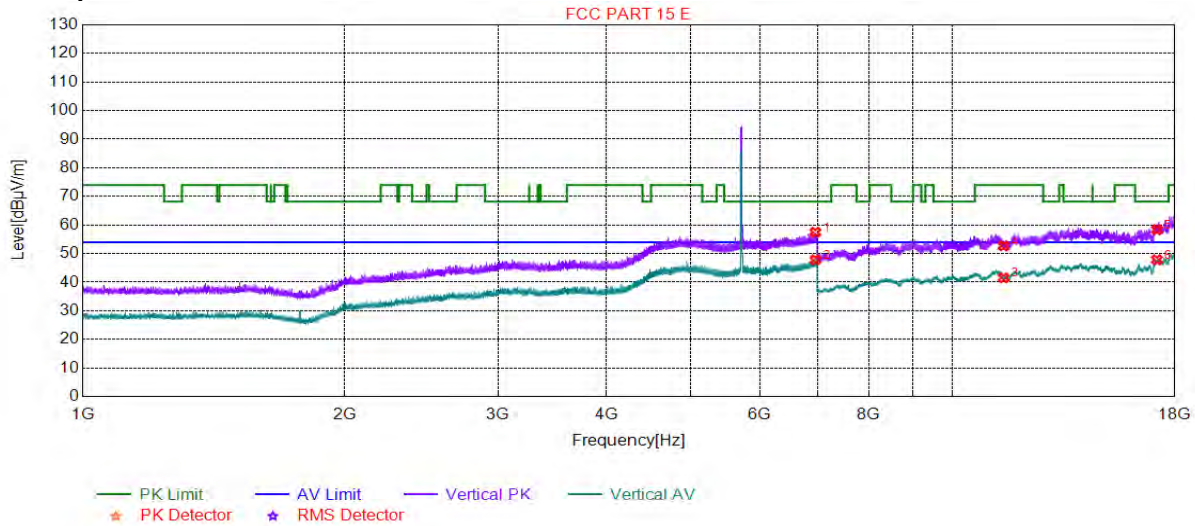
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4.9.2.20 802.11A_Channel 144 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6950.19	57.48	21.76	68.20	10.72	176	356	Vertical
2	6951.69	47.83	21.76	54.00	6.17	112	168	Vertical
3	11440.0	41.55	-1.12	54.00	12.45	130	343	Vertical
4	11440.0	52.68	-1.12	74.00	21.32	144	292	Vertical
5	17160.0	58.36	1.53	68.20	9.84	172	105	Vertical
6	17160.0	47.87	1.53	54.00	6.13	145	14	Vertical

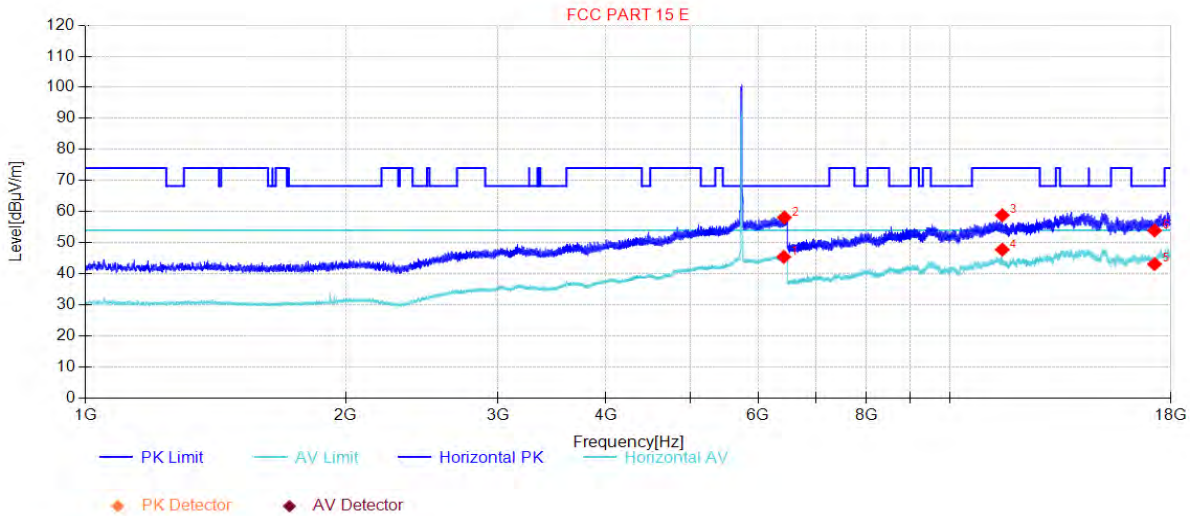
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4.9.2.21 802.11A_Channel 149 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6421.528	45.39	18.28	54.00	8.61	183	Horizontal
2	6432.895	58.07	18.34	68.20	10.13	195	Horizontal
3	11490.73	58.81	2.10	74.00	15.19	164	Horizontal
4	11490.73	47.75	2.10	54.00	6.25	152	Horizontal
5	17235.00	43.08	6.10	54.00	10.92	121	Horizontal
6	17235.00	53.89	6.10	68.20	14.31	157	Horizontal

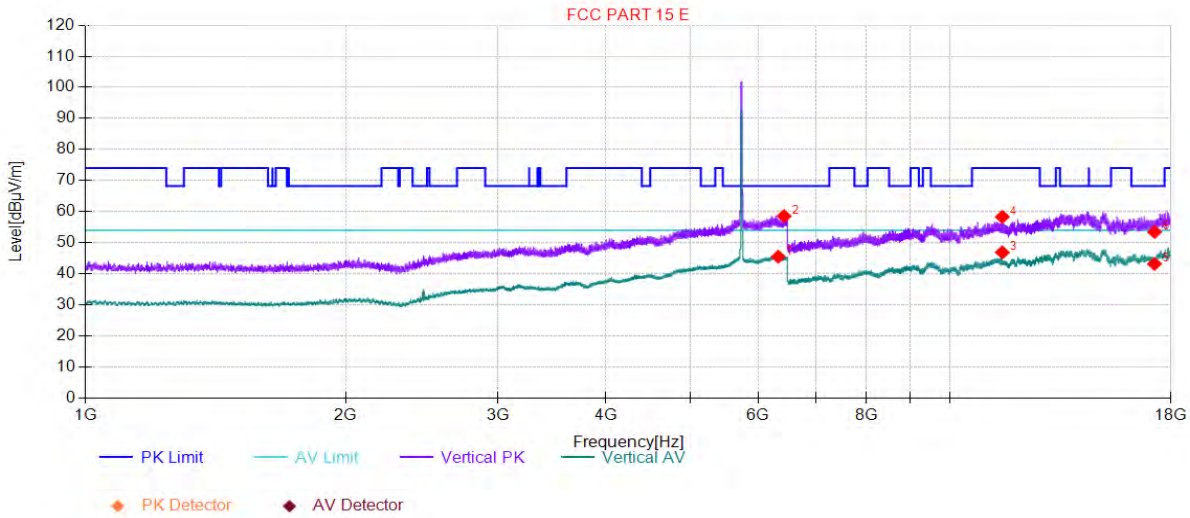
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4.9.2.22 802.11A_Channel 149 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6327.655	45.48	18.40	54.00	8.52	115	Vertical
2	6428.128	58.53	18.32	68.20	9.67	191	Vertical
3	11491.19	46.84	2.09	54.00	7.16	196	Vertical
4	11493.03	58.27	2.08	74.00	15.73	189	Vertical
5	17235.00	43.16	6.10	54.00	10.84	143	Vertical
6	17235.00	53.45	6.10	68.20	14.75	188	Vertical

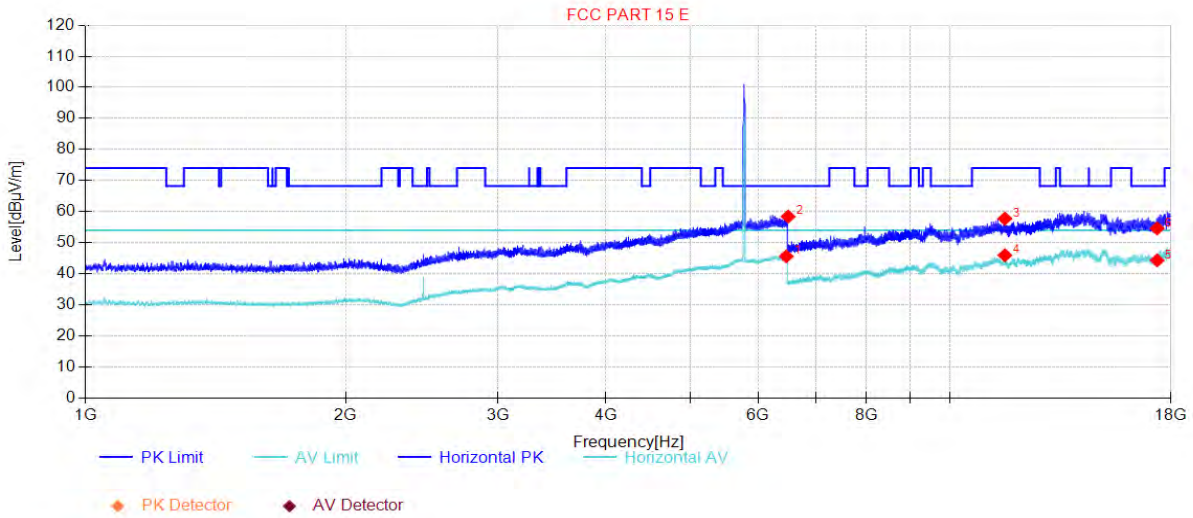
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4.9.2.23 802.11A_Channel 157 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6464.431	45.59	18.52	54.00	8.41	136	Horizontal
2	6497.066	58.41	18.70	68.20	9.79	192	Horizontal
3	11570.00	57.72	2.92	74.00	16.28	140	Horizontal
4	11570.00	45.93	2.92	54.00	8.07	138	Horizontal
5	17355.00	44.28	6.75	54.00	9.72	135	Horizontal
6	17355.00	54.60	6.75	68.20	13.60	113	Horizontal

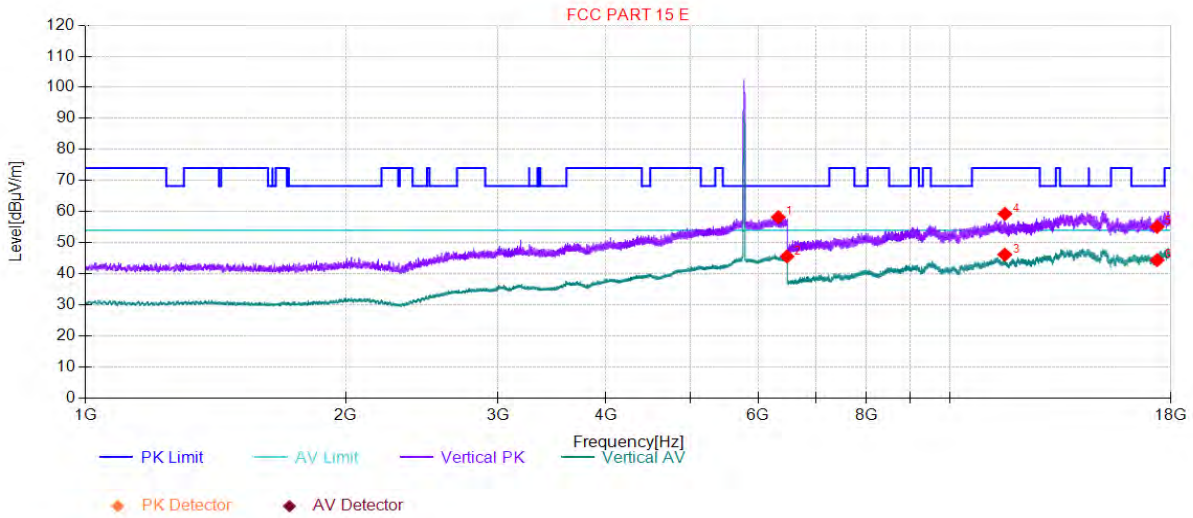
Final Data List



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4.9.2.24 802.11A_Channel 157 MIMO

Test Graph



Suspected List

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6327.655	58.20	18.40	68.20	10.00	138	Vertical
2	6476.531	45.55	18.58	54.00	8.45	162	Vertical
3	11570.00	46.12	2.92	54.00	7.88	141	Vertical
4	11571.70	59.28	2.93	74.00	14.72	146	Vertical
5	17355.00	55.09	6.75	68.20	13.11	199	Vertical
6	17355.00	44.33	6.75	54.00	9.67	104	Vertical

Final Data List



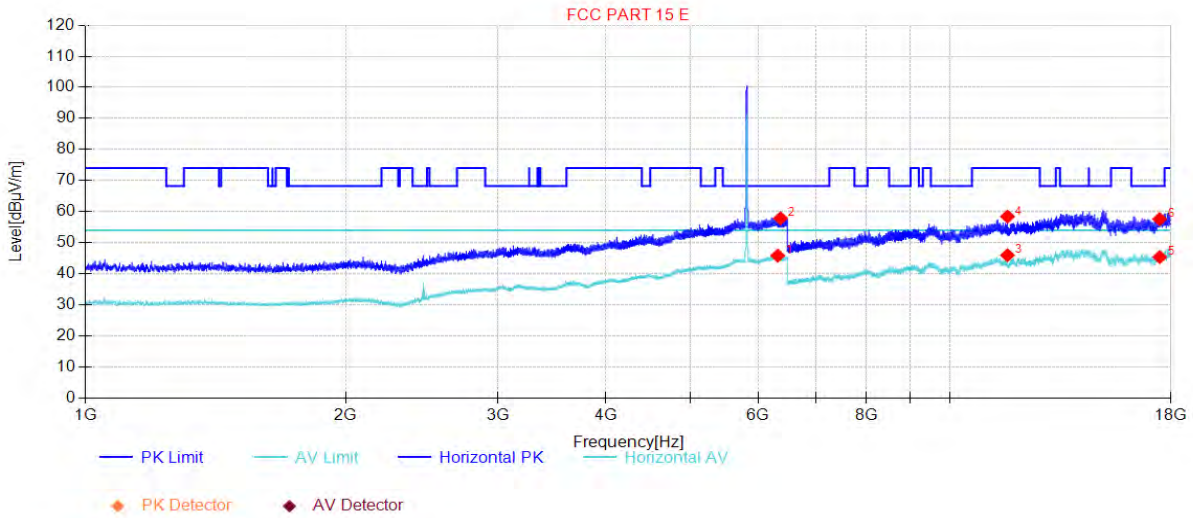
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4.9.2.25 802.11A_Channel 165 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6318.854	45.83	18.42	54.00	8.17	171	Horizontal
2	6365.424	57.84	18.27	68.20	10.36	191	Horizontal
3	11650.00	45.94	2.58	54.00	8.06	130	Horizontal
4	11650.82	58.39	2.57	74.00	15.61	128	Horizontal
5	17475.00	45.34	7.42	54.00	8.66	119	Horizontal
6	17475.00	57.59	7.42	68.20	10.61	124	Horizontal

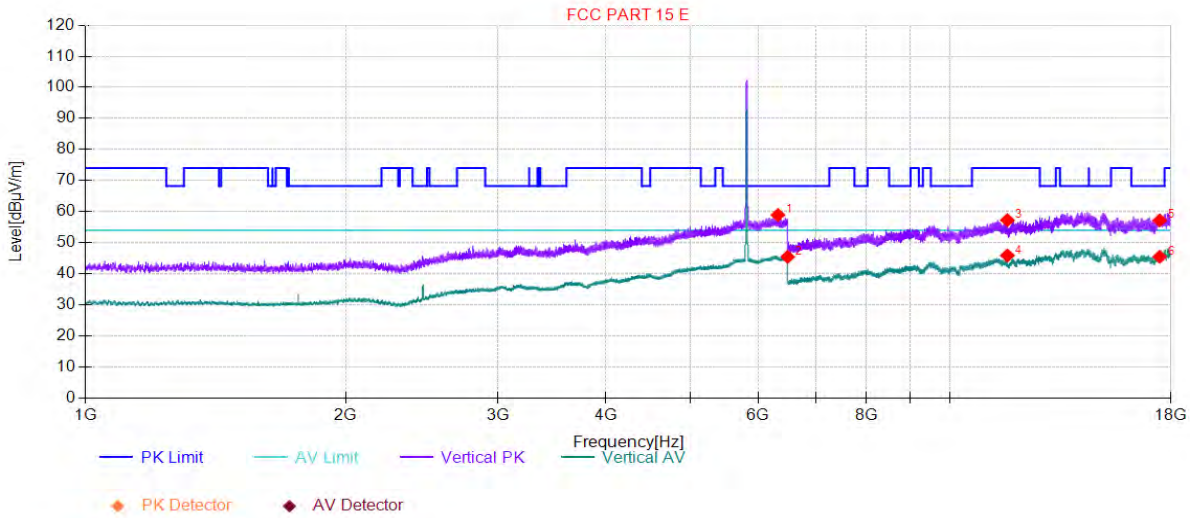
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4.9.2.26 802.11A_Channel 165 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6321.788	58.91	18.41	68.20	9.29	142	Vertical
2	6487.532	45.40	18.65	54.00	8.60	170	Vertical
3	11647.60	57.24	2.61	74.00	16.76	158	Vertical
4	11648.52	45.84	2.60	54.00	8.16	161	Vertical
5	17475.00	57.17	7.42	68.20	11.03	144	Vertical
6	17475.00	45.42	7.42	54.00	8.58	134	Vertical

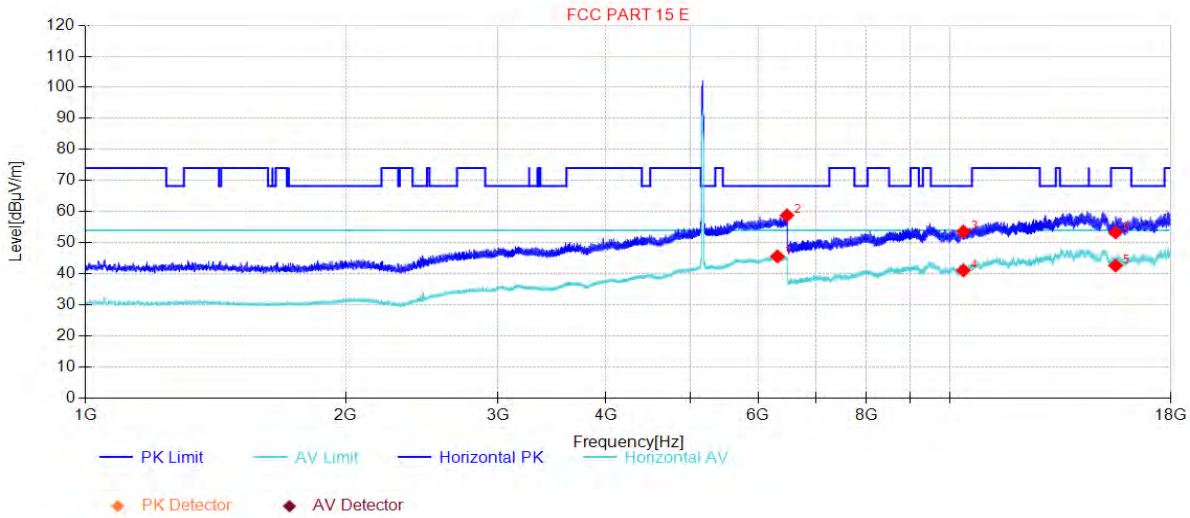
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4.9.2.27 802.11N20_Channel 36 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6313.720	45.52	18.44	54.00	8.48	160	Horizontal
2	6476.531	58.77	18.58	68.20	9.43	138	Horizontal
3	10360.00	53.58	2.38	68.20	14.62	143	Horizontal
4	10360.00	41.04	2.38	54.00	12.96	175	Horizontal
5	15540.00	42.63	5.88	54.00	11.37	108	Horizontal
6	15540.00	53.27	5.88	74.00	20.73	131	Horizontal

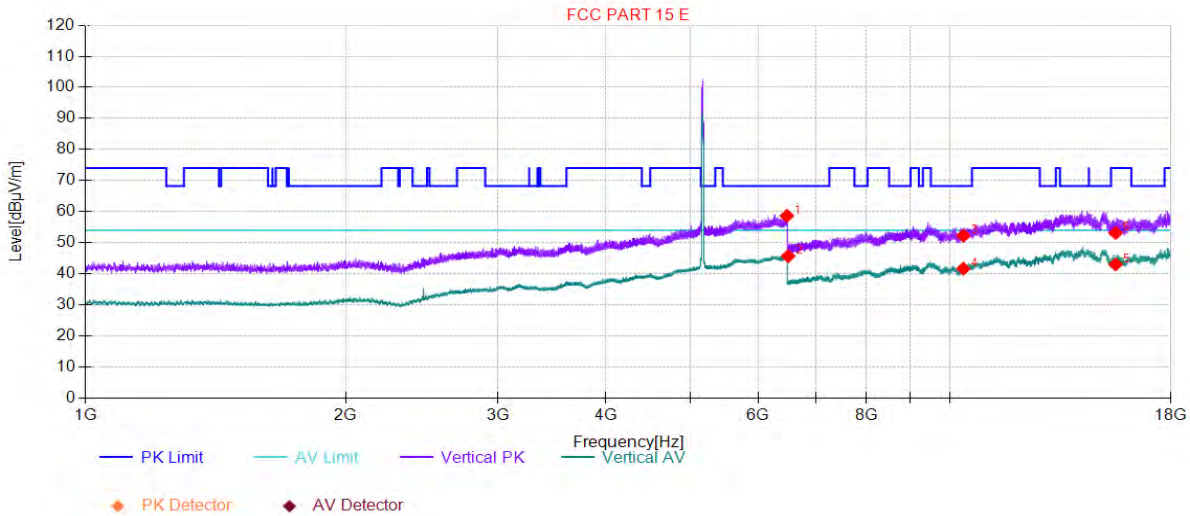
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4.9.2.28 802.11N20_Channel 36 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6475.431	58.63	18.58	68.20	9.57	148	Vertical
2	6497.066	45.68	18.70	54.00	8.32	184	Vertical
3	10360.00	52.23	2.38	68.20	15.97	150	Vertical
4	10360.00	41.61	2.38	54.00	12.39	188	Vertical
5	15540.00	42.97	5.88	54.00	11.03	113	Vertical
6	15540.00	53.11	5.88	74.00	20.89	130	Vertical

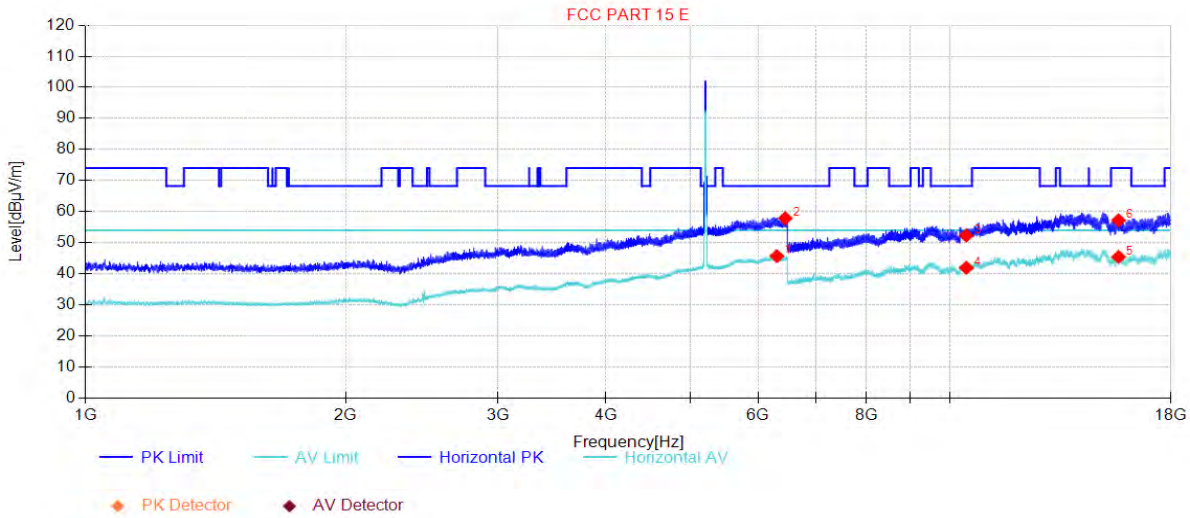
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4.9.2.29 802.11N20_Channel 44 MIMO

Test Graph



Suspected List

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6305.287	45.64	18.47	54.00	8.36	125	Horizontal
2	6447.563	57.82	18.42	68.20	10.38	111	Horizontal
3	10440.00	52.26	2.46	68.20	15.94	102	Horizontal
4	10440.00	41.89	2.46	54.00	12.11	124	Horizontal
5	15660.00	45.40	6.12	54.00	8.60	199	Horizontal
6	15660.00	57.20	6.12	74.00	16.80	103	Horizontal

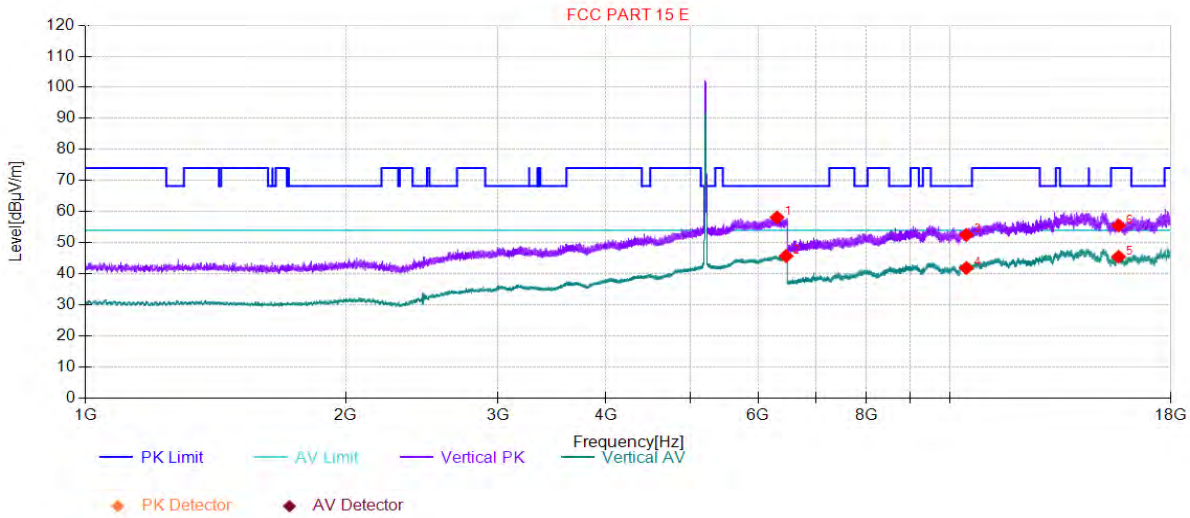
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4.9.2.30 802.11N20_Channel 44 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6306.753	58.14	18.46	68.20	10.06	194	Vertical
2	6458.930	45.66	18.49	54.00	8.34	193	Vertical
3	10440.00	52.46	2.46	68.20	15.74	140	Vertical
4	10440.00	41.83	2.46	54.00	12.17	126	Vertical
5	15660.00	45.44	6.12	54.00	8.56	130	Vertical
6	15660.00	55.51	6.12	74.00	18.49	106	Vertical

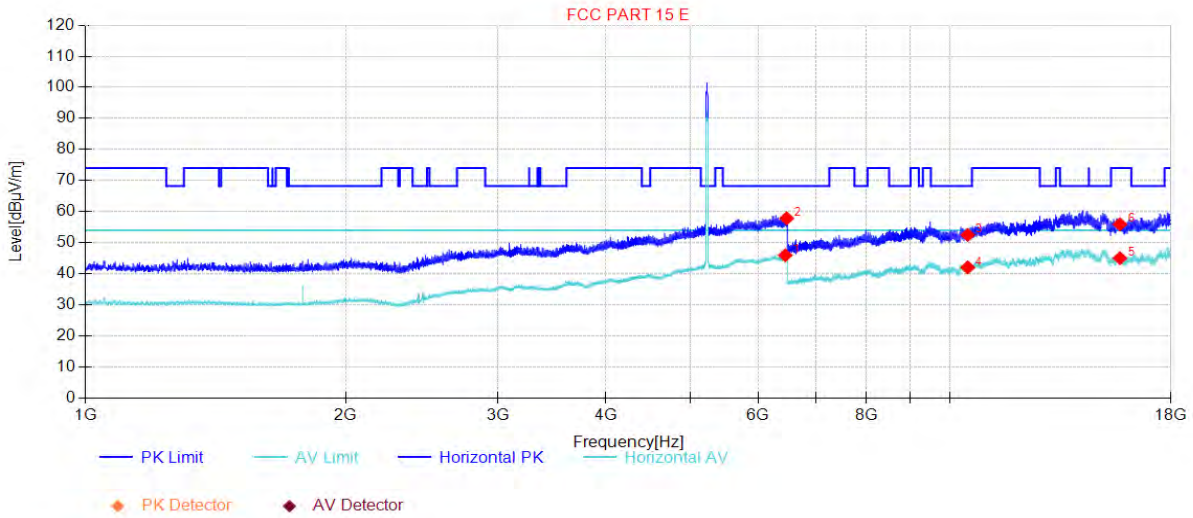
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4.9.2.31 802.11N20_Channel 48 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6447.563	45.93	18.42	54.00	8.07	149	Horizontal
2	6470.664	57.83	18.55	68.20	10.37	162	Horizontal
3	10480.00	52.46	2.49	68.20	15.74	178	Horizontal
4	10480.00	42.02	2.49	54.00	11.98	108	Horizontal
5	15720.00	44.99	5.92	54.00	9.01	128	Horizontal
6	15720.00	55.90	5.92	74.00	18.10	147	Horizontal

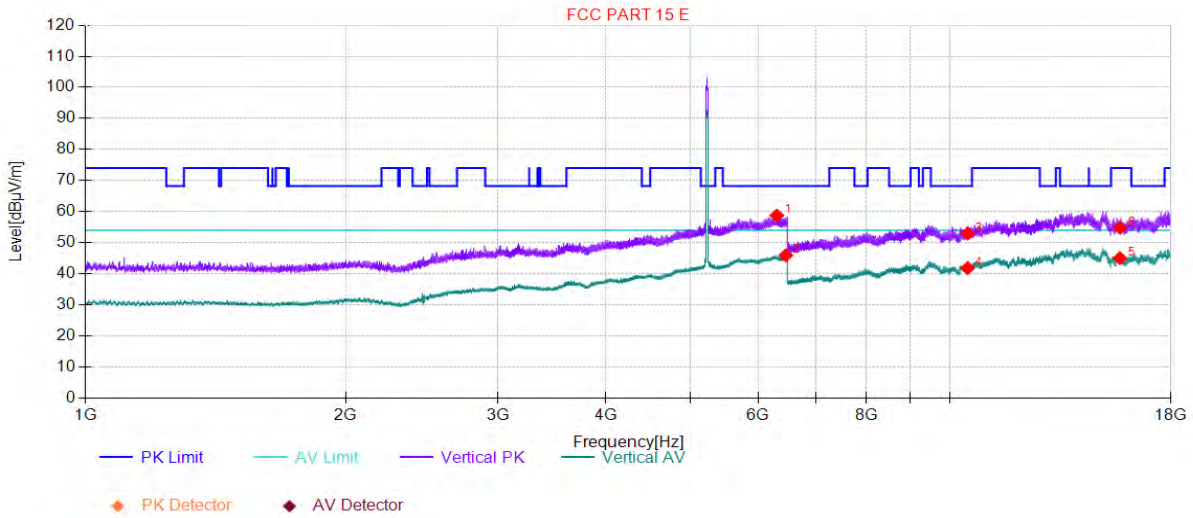
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4.9.2.32 802.11N20_Channel 48 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6303.086	58.74	18.47	68.20	9.46	119	Vertical
2	6454.897	45.90	18.46	54.00	8.10	138	Vertical
3	10480.00	52.93	2.49	68.20	15.27	171	Vertical
4	10480.00	41.82	2.49	54.00	12.18	109	Vertical
5	15720.00	44.98	5.92	54.00	9.02	119	Vertical
6	15720.00	54.77	5.92	74.00	19.23	121	Vertical

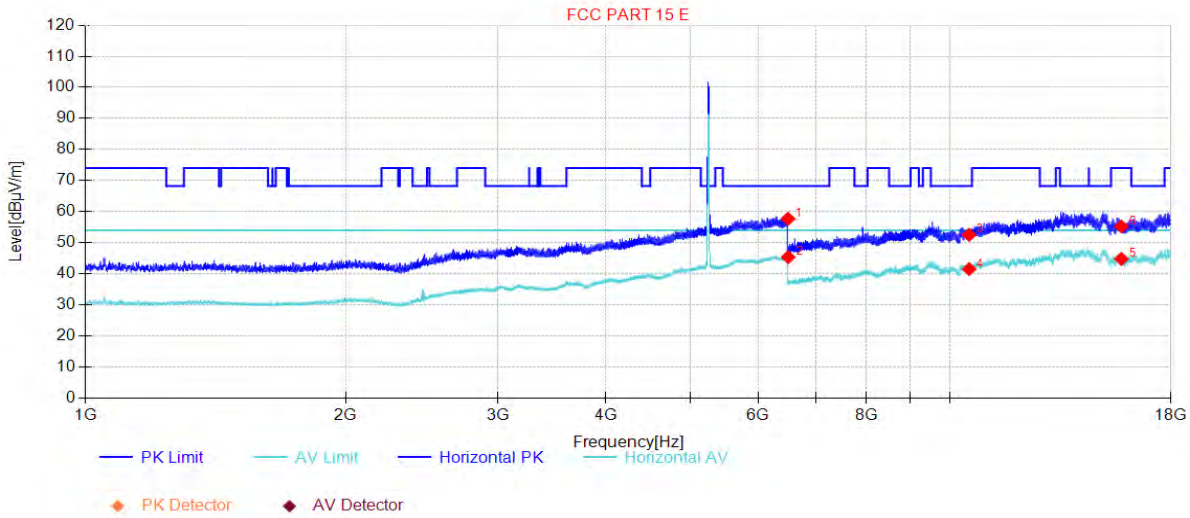
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4.9.2.33 802.11N20_Channel 52 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6494.499	57.66	18.68	68.20	10.54	103	Horizontal
2	6496.699	45.33	18.70	54.00	8.67	157	Horizontal
3	10520.00	52.50	2.45	68.20	15.70	198	Horizontal
4	10520.00	41.48	2.45	54.00	12.52	179	Horizontal
5	15780.00	44.73	5.30	54.00	9.27	131	Horizontal
6	15780.00	55.21	5.30	74.00	18.79	171	Horizontal

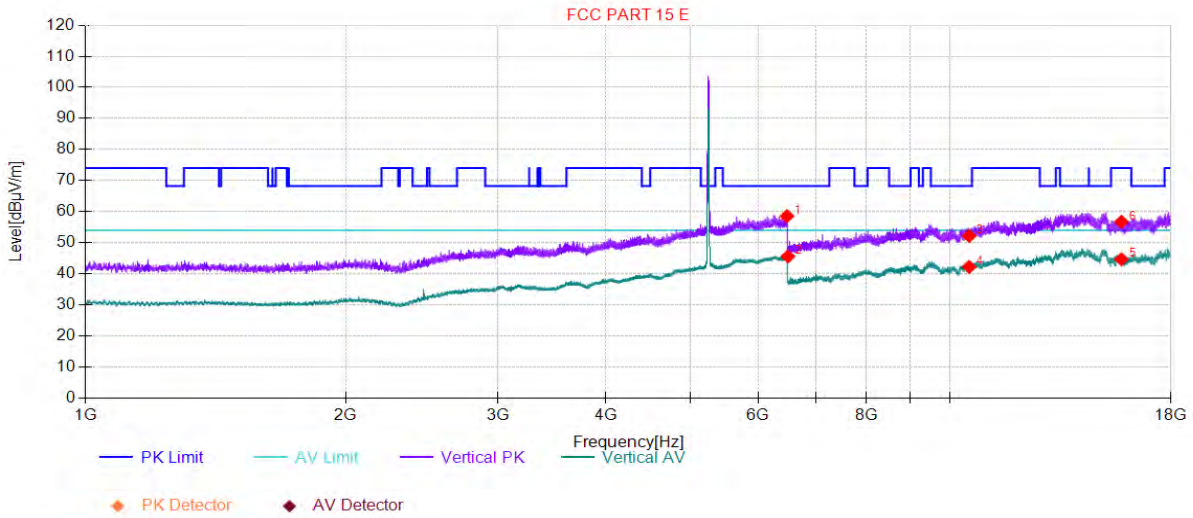
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4.9.2.34 802.11N20_Channel 52 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6476.165	58.54	18.58	68.20	9.66	101	Vertical
2	6493.032	45.57	18.68	54.00	8.43	134	Vertical
3	10520.00	52.16	2.45	68.20	16.04	196	Vertical
4	10520.00	42.21	2.45	54.00	11.79	153	Vertical
5	15780.00	44.64	5.30	54.00	9.36	171	Vertical
6	15780.00	56.71	5.30	74.00	17.29	183	Vertical

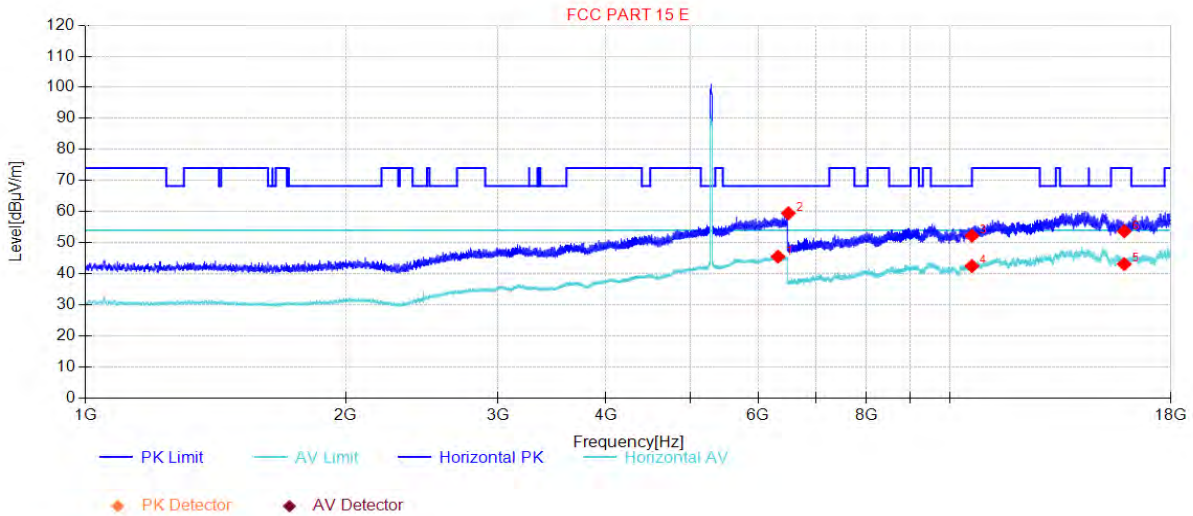
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4.9.2.35 802.11N20_Channel 60 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6322.888	45.49	18.41	54.00	8.51	144	Horizontal
2	6498.899	59.47	18.71	68.20	8.73	106	Horizontal
3	10600.00	52.19	2.23	74.00	21.81	172	Horizontal
4	10600.00	42.46	2.23	54.00	11.54	143	Horizontal
5	15900.00	43.08	5.29	54.00	10.92	138	Horizontal
6	15900.00	53.65	5.29	74.00	20.35	184	Horizontal

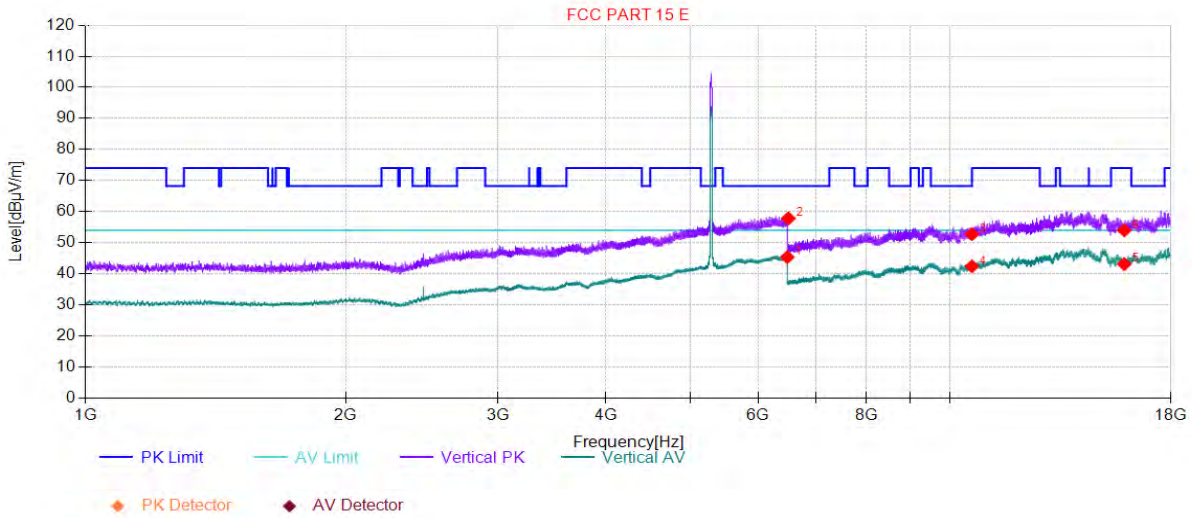
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4.9.2.36 802.11N20_Channel 60 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6482.032	45.32	18.62	54.00	8.68	177	Vertical
2	6500.000	57.80	18.72	68.20	10.40	101	Vertical
3	10600.00	52.72	2.23	74.00	21.28	173	Vertical
4	10600.00	42.36	2.23	54.00	11.64	167	Vertical
5	15900.00	43.09	5.29	54.00	10.91	187	Vertical
6	15900.00	53.94	5.29	74.00	20.06	198	Vertical

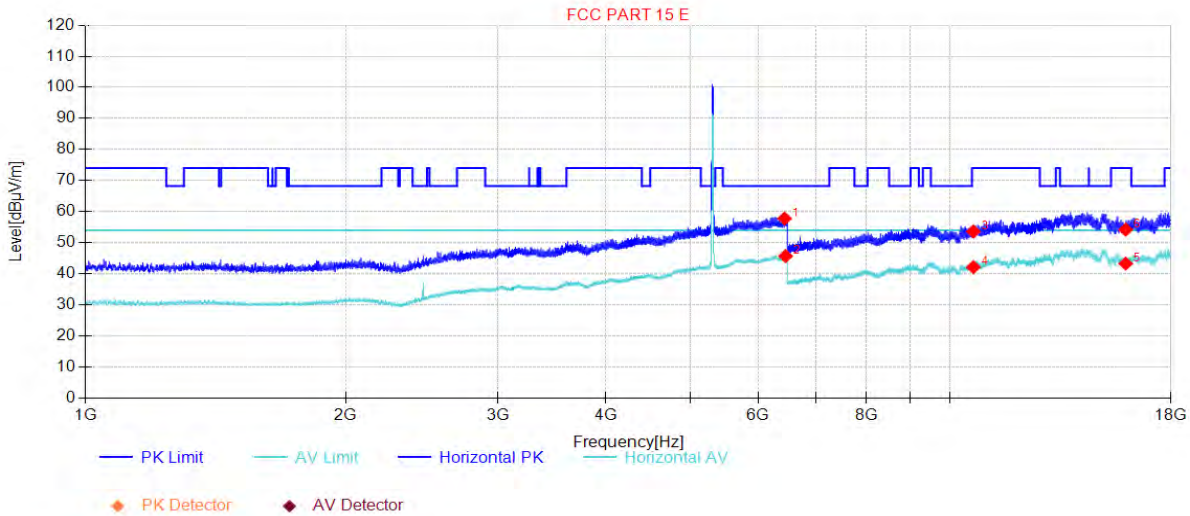
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4.9.2.37 802.11N20_Channel 64 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6435.462	57.76	18.36	68.20	10.44	166	Horizontal
2	6451.963	45.65	18.45	54.00	8.35	191	Horizontal
3	10640.00	53.58	2.22	74.00	20.42	163	Horizontal
4	10640.00	42.13	2.22	54.00	11.87	176	Horizontal
5	15960.00	43.24	5.01	54.00	10.76	167	Horizontal
6	15960.00	54.18	5.01	74.00	19.82	102	Horizontal

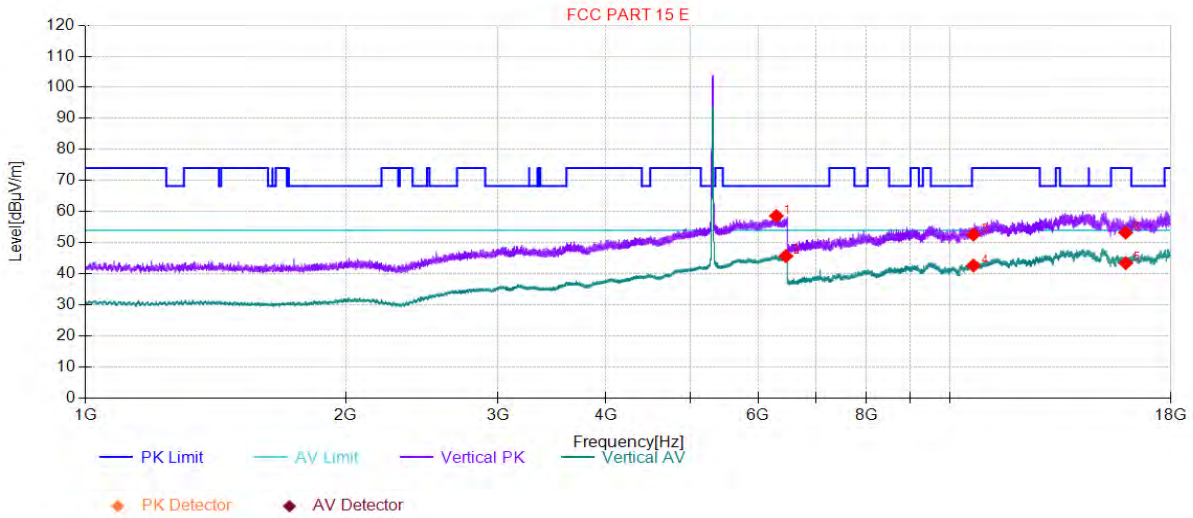
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4.9.2.38 802.11N20_Channel 64 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6295.753	58.60	18.46	68.20	9.60	189	Vertical
2	6457.830	45.66	18.48	54.00	8.34	139	Vertical
3	10640.00	52.58	2.22	74.00	21.42	124	Vertical
4	10640.00	42.63	2.22	54.00	11.37	133	Vertical
5	15960.00	43.40	5.01	54.00	10.60	116	Vertical
6	15960.00	53.23	5.01	74.00	20.77	152	Vertical

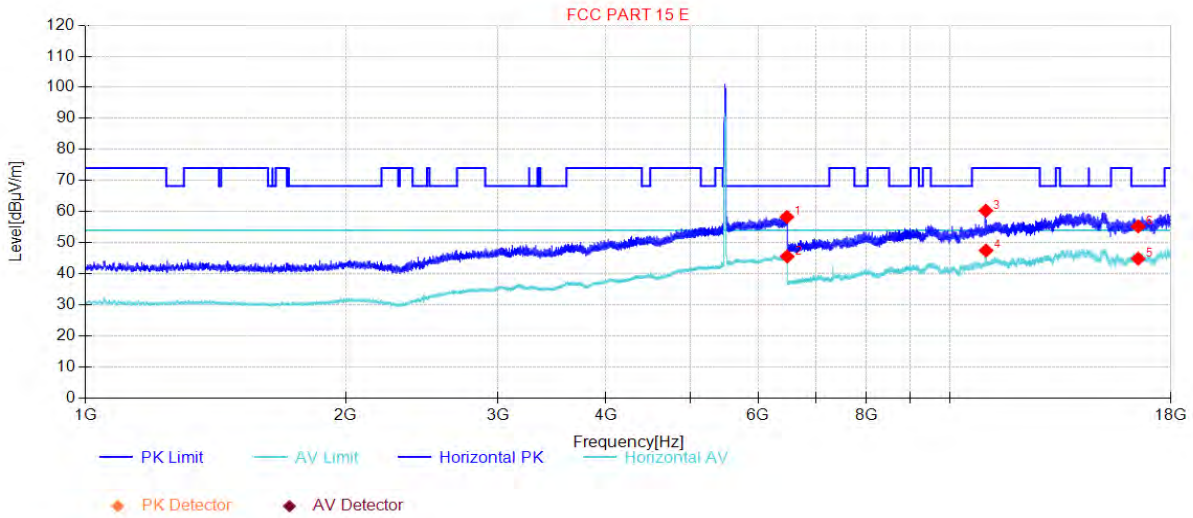
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4.9.2.39 802.11N20_Channel 100 MIMO

Test Graph



Suspected List

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6475.065	58.24	18.58	68.20	9.96	121	Horizontal
2	6480.932	45.54	18.61	54.00	8.46	153	Horizontal
3	10997.59	60.28	2.73	74.00	13.72	140	Horizontal
4	11005.42	47.46	2.73	54.00	6.54	162	Horizontal
5	16500.00	44.83	5.09	54.00	9.17	148	Horizontal
6	16500.00	55.22	5.09	68.20	12.98	123	Horizontal

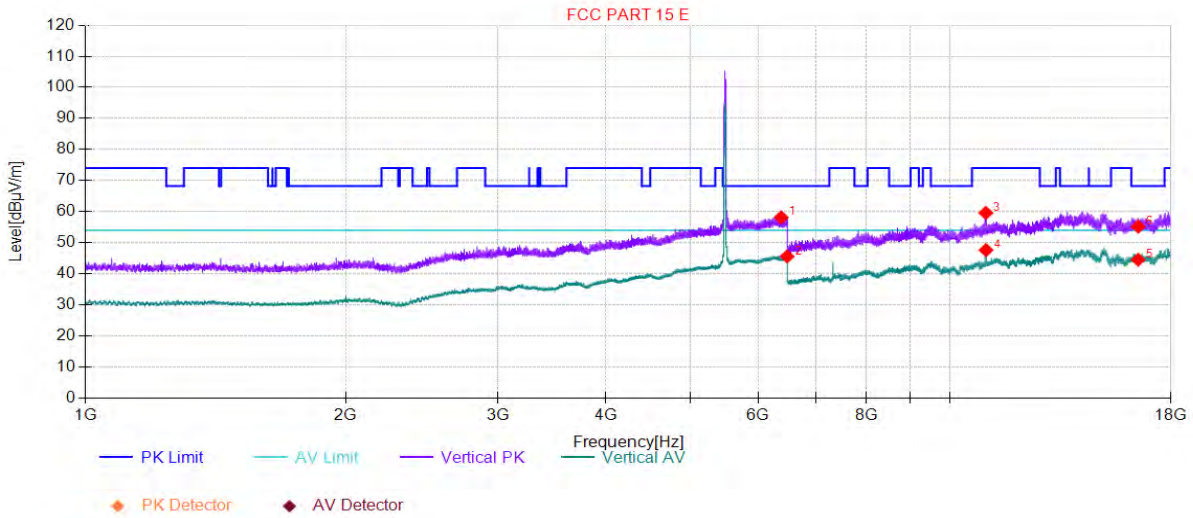
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4.9.2.40 802.11N20_Channel 100 MIMO

Test Graph



Suspected List

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6377.525	58.13	18.23	68.20	10.07	186	Vertical
2	6479.465	45.56	18.60	54.00	8.44	103	Vertical
3	10998.05	59.58	2.74	74.00	14.42	150	Vertical
4	11004.04	47.60	2.73	54.00	6.40	198	Vertical
5	16500.00	44.50	5.09	54.00	9.50	155	Vertical
6	16500.00	55.17	5.09	68.20	13.03	121	Vertical

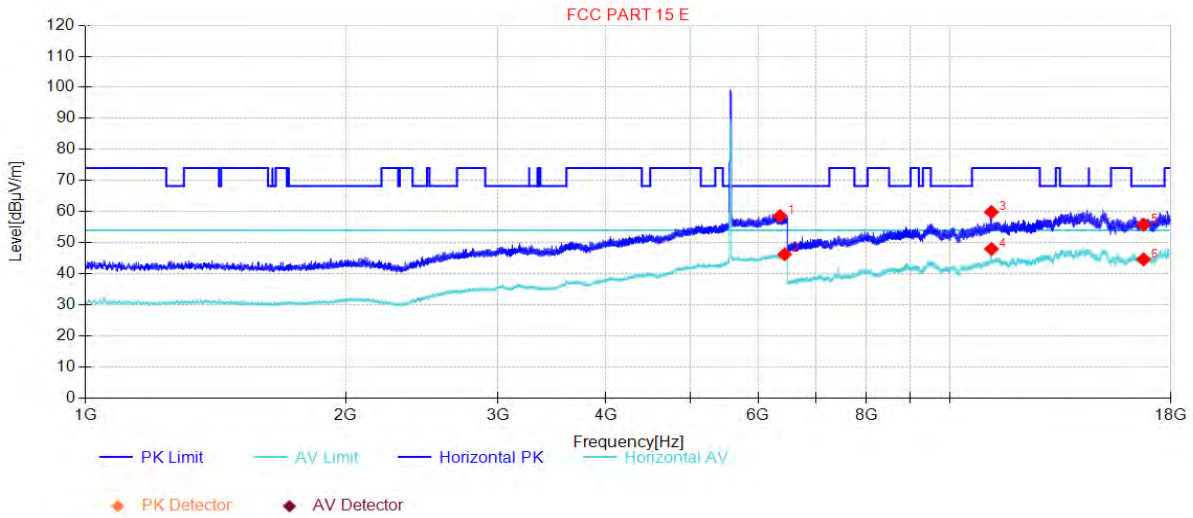
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4.9.2.41 802.11N20_Channel 116 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6357.723	58.58	18.30	68.20	9.62	147	Horizontal
2	6436.195	46.20	18.36	54.00	7.80	139	Horizontal
3	11163.20	59.84	2.54	74.00	14.16	147	Horizontal
4	11165.50	47.95	2.54	54.00	6.05	183	Horizontal
5	16740.00	55.77	5.53	68.20	12.43	191	Horizontal
6	16740.00	44.60	5.53	54.00	9.40	178	Horizontal

Final Data List

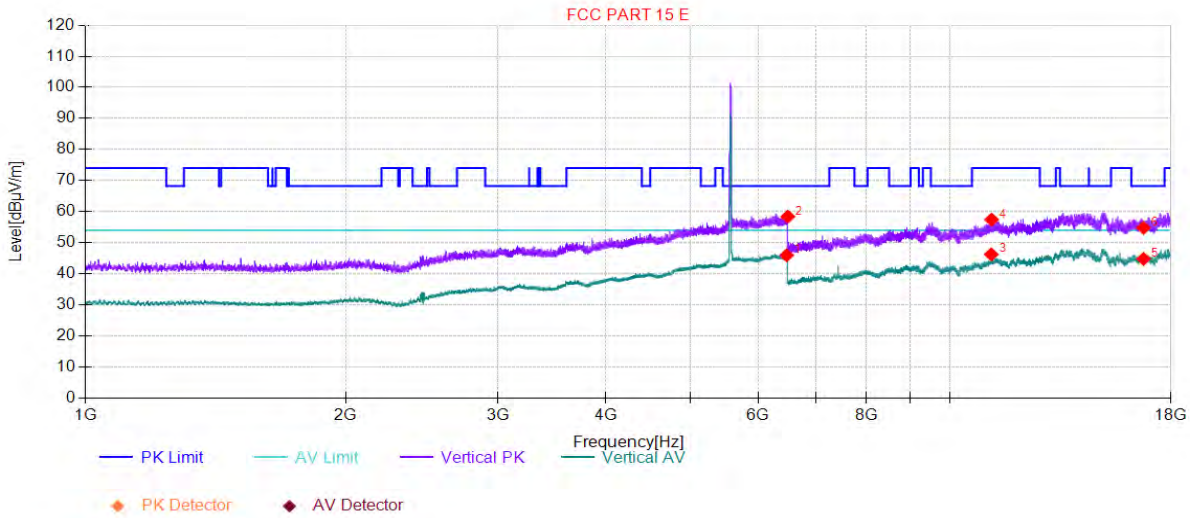


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4.9.2.42 802.11N20_Channel 116 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6469.931	45.94	18.55	54.00	8.06	194	Vertical
2	6491.199	58.39	18.67	68.20	9.81	171	Vertical
3	11157.68	46.20	2.54	54.00	7.80	137	Vertical
4	11167.34	57.39	2.54	74.00	16.61	105	Vertical
5	16740.00	44.76	5.53	54.00	9.24	134	Vertical
6	16740.00	54.78	5.53	68.20	13.42	130	Vertical

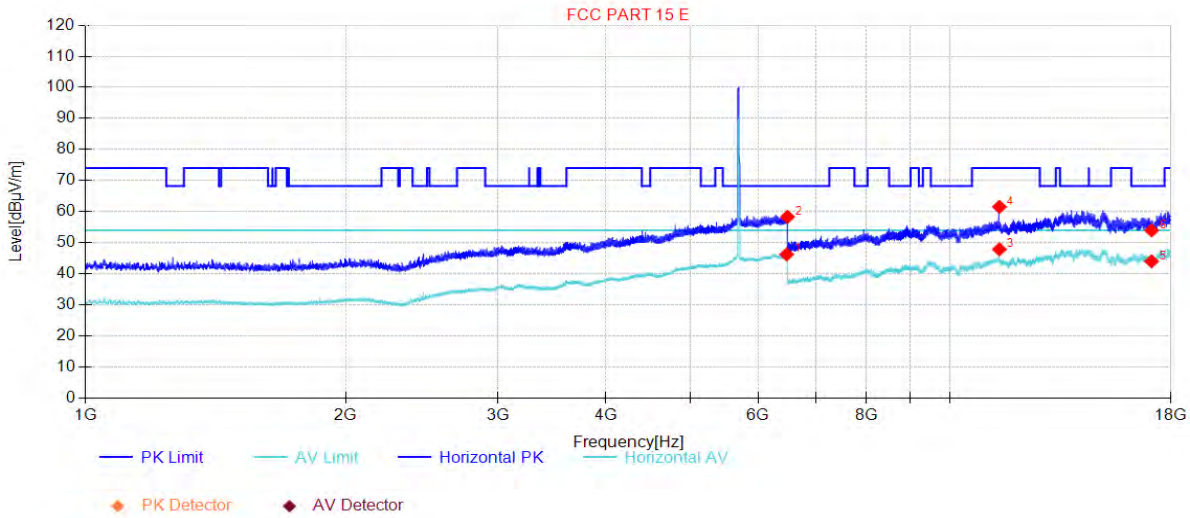
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4.9.2.43 802.11N20_Channel 140 MIMO

Test Graph



Suspected List

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6470.664	46.21	18.55	54.00	7.79	124	Horizontal
2	6484.599	58.31	18.63	68.20	9.89	107	Horizontal
3	11401.49	47.85	2.53	54.00	6.15	177	Horizontal
4	11404.71	61.52	2.51	74.00	12.48	131	Horizontal
5	17100.00	43.99	5.72	54.00	10.01	107	Horizontal
6	17100.00	53.93	5.72	68.20	14.27	101	Horizontal

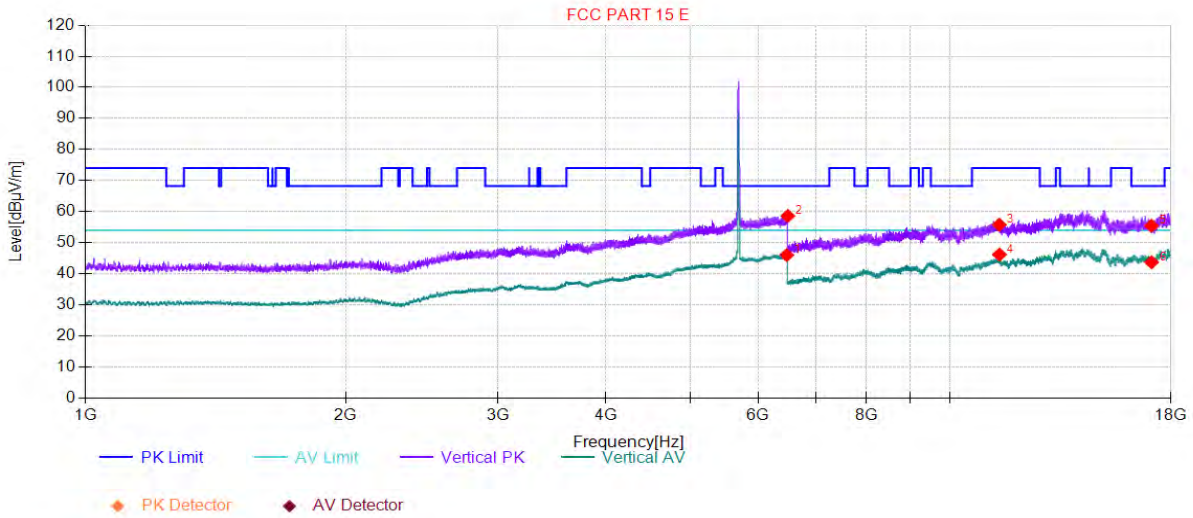
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4.9.2.44 802.11N20_Channel 140 MIMO

Test Graph



Suspected List

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6472.864	45.99	18.56	54.00	8.01	138	Vertical
2	6491.932	58.58	18.67	68.20	9.62	198	Vertical
3	11400.00	55.77	2.54	74.00	18.23	188	Vertical
4	11404.25	46.15	2.52	54.00	7.85	104	Vertical
5	17100.00	55.41	5.72	68.20	12.79	148	Vertical
6	17100.00	43.68	5.72	54.00	10.32	164	Vertical

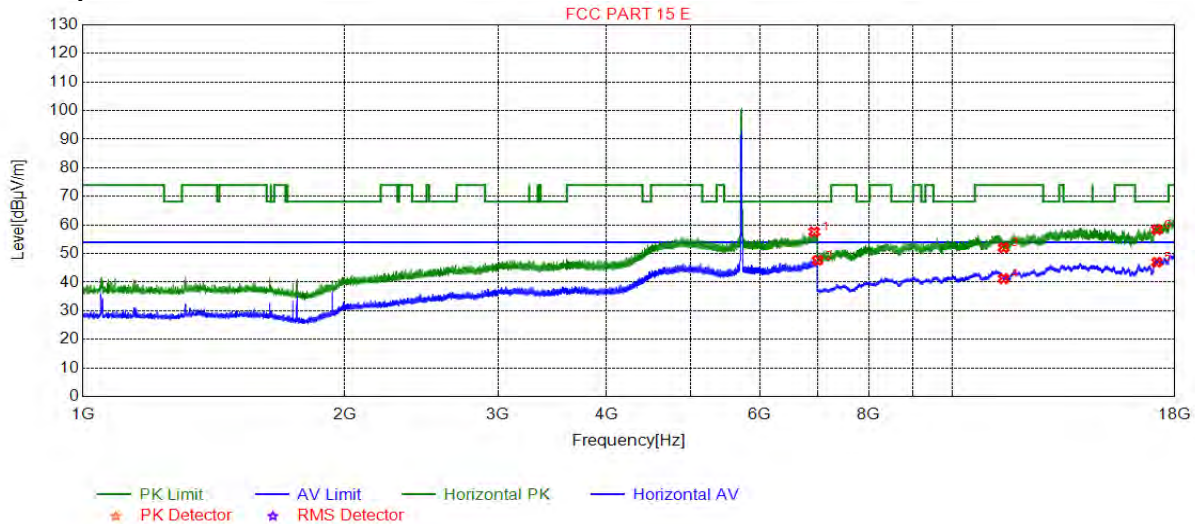
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4.9.2.45 802.11N20_Channel 144 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6930.09	57.63	21.59	68.20	10.57	157	346	Horizontal
2	6992.49	47.64	21.74	54.00	6.36	105	72	Horizontal
3	11440.0	52.09	-1.12	74.00	21.91	160	35	Horizontal
4	11440.0	41.26	-1.12	54.00	12.74	158	330	Horizontal
5	17160.0	47.01	1.53	54.00	6.99	159	207	Horizontal
6	17160.0	58.38	1.53	68.20	9.82	186	105	Horizontal

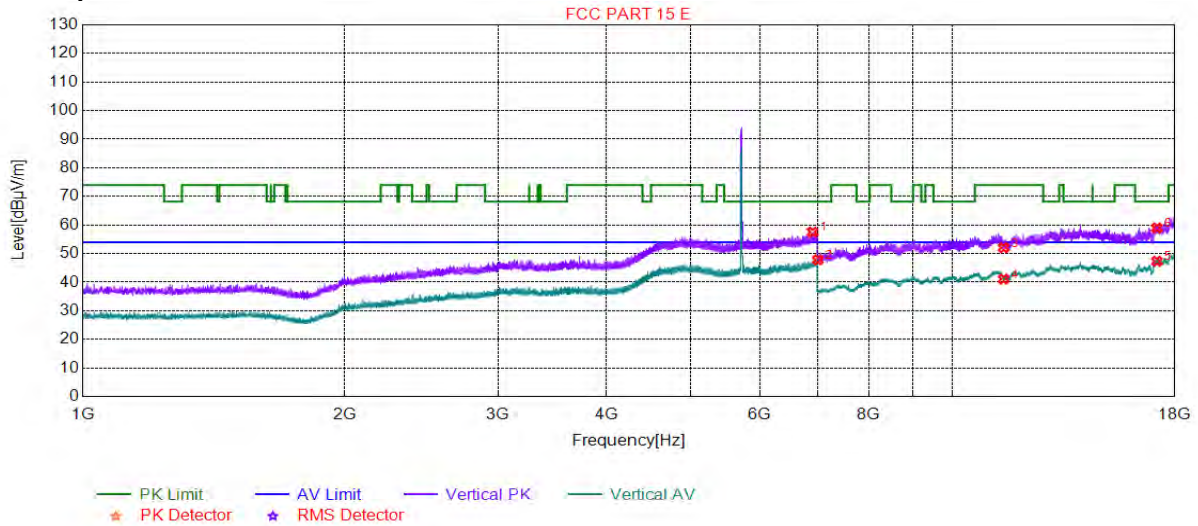
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4.9.2.46 802.11N20_Channel 144 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6898.29	57.56	21.35	68.20	10.64	190	254	Vertical
2	6997.29	47.81	21.74	54.00	6.19	177	203	Vertical
3	11440.0	52.06	-1.12	74.00	21.94	117	336	Vertical
4	11440.0	41.11	-1.12	54.00	12.89	110	217	Vertical
5	17160.0	47.34	1.53	54.00	6.66	167	251	Vertical
6	17160.0	58.97	1.53	68.20	9.23	163	268	Vertical

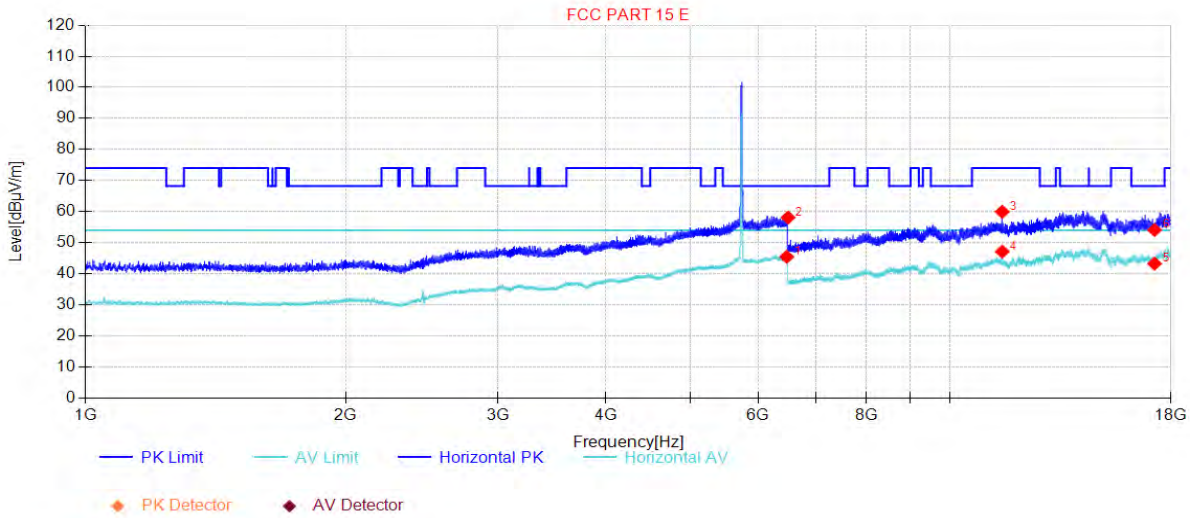
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4.9.2.47 802.11N20_Channel 149 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6470.664	45.43	18.55	54.00	8.57	122	Horizontal
2	6494.132	58.09	18.68	68.20	10.11	151	Horizontal
3	11487.97	59.94	2.11	74.00	14.06	143	Horizontal
4	11488.89	47.12	2.10	54.00	6.88	125	Horizontal
5	17235.00	43.25	6.10	54.00	10.75	128	Horizontal
6	17235.00	54.07	6.10	68.20	14.13	113	Horizontal

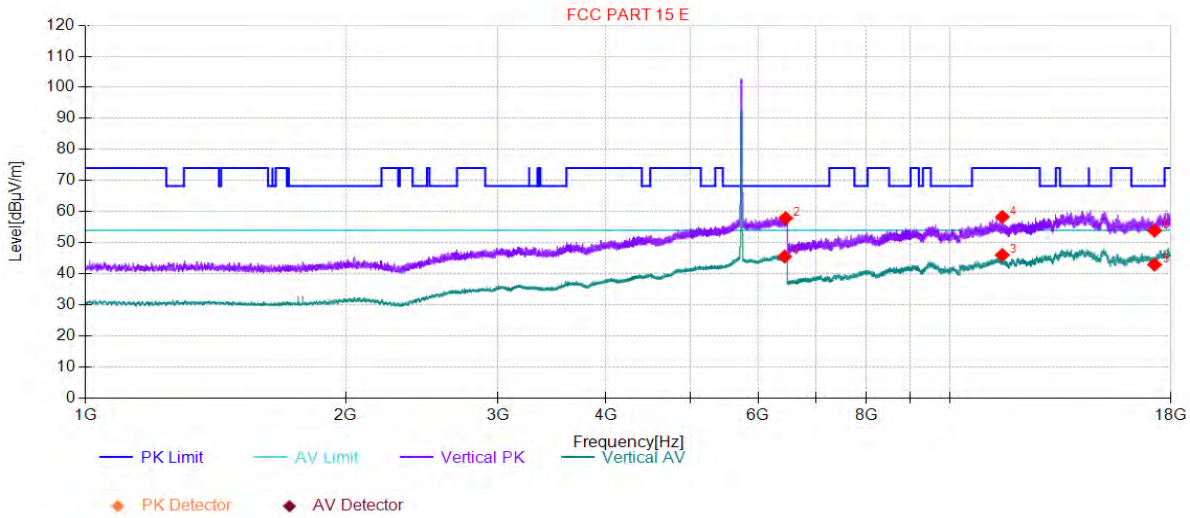
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4.9.2.48 802.11N20_Channel 149 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6436.562	45.50	18.36	54.00	8.50	123	Vertical
2	6455.263	57.87	18.47	68.20	10.33	163	Vertical
3	11491.65	46.01	2.09	54.00	7.99	193	Vertical
4	11493.49	58.28	2.08	74.00	15.72	111	Vertical
5	17235.00	42.91	6.10	54.00	11.09	106	Vertical
6	17235.00	53.85	6.10	68.20	14.35	167	Vertical

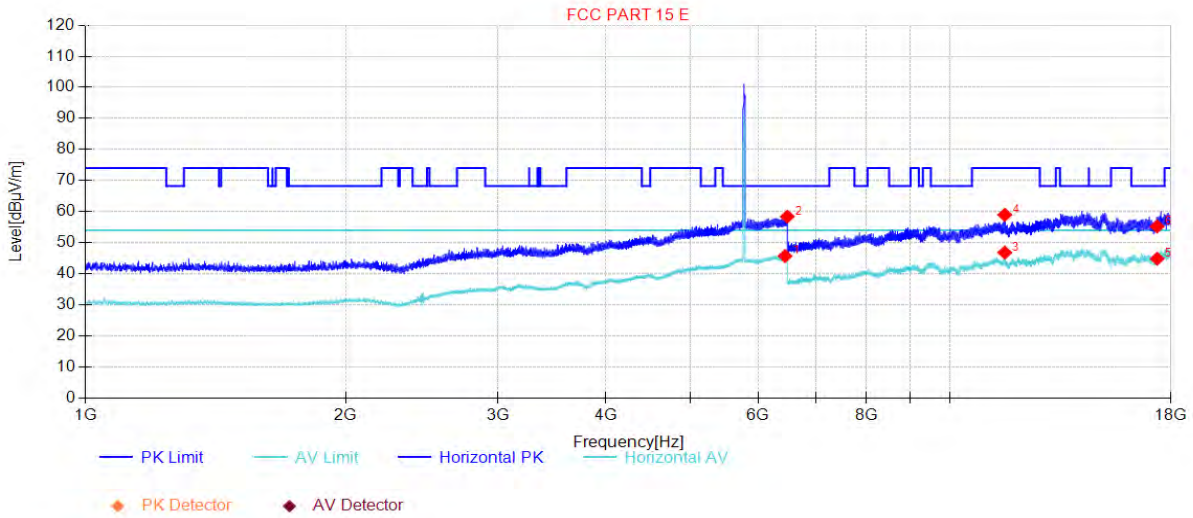
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4.9.2.49 802.11N20_Channel 157 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6443.162	45.67	18.40	54.00	8.33	123	Horizontal
2	6482.765	58.37	18.62	68.20	9.83	170	Horizontal
3	11566.64	46.79	2.87	54.00	7.21	182	Horizontal
4	11568.48	58.96	2.90	74.00	15.04	145	Horizontal
5	17355.00	44.80	6.75	54.00	9.20	157	Horizontal
6	17355.00	55.21	6.75	68.20	12.99	111	Horizontal

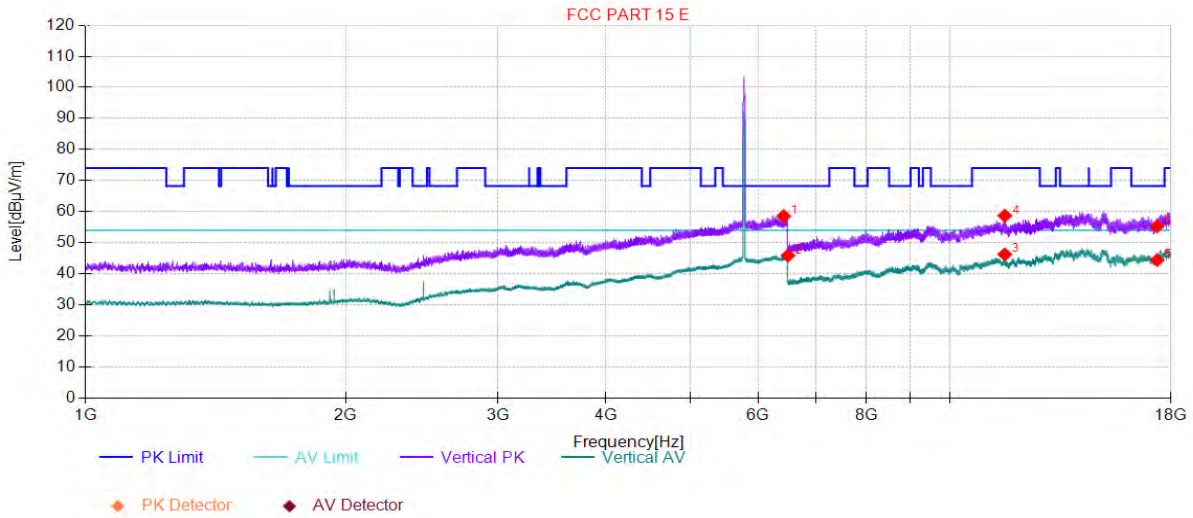
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4.9.2.50 802.11N20_Channel 157 MIMO

Test Graph



Suspected List

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6420.794	58.52	18.28	68.20	9.68	155	Vertical
2	6493.032	45.83	18.68	54.00	8.17	189	Vertical
3	11566.64	46.20	2.87	54.00	7.80	104	Vertical
4	11568.02	58.66	2.89	74.00	15.34	151	Vertical
5	17355.00	44.37	6.75	54.00	9.63	169	Vertical
6	17355.00	55.25	6.75	68.20	12.95	196	Vertical

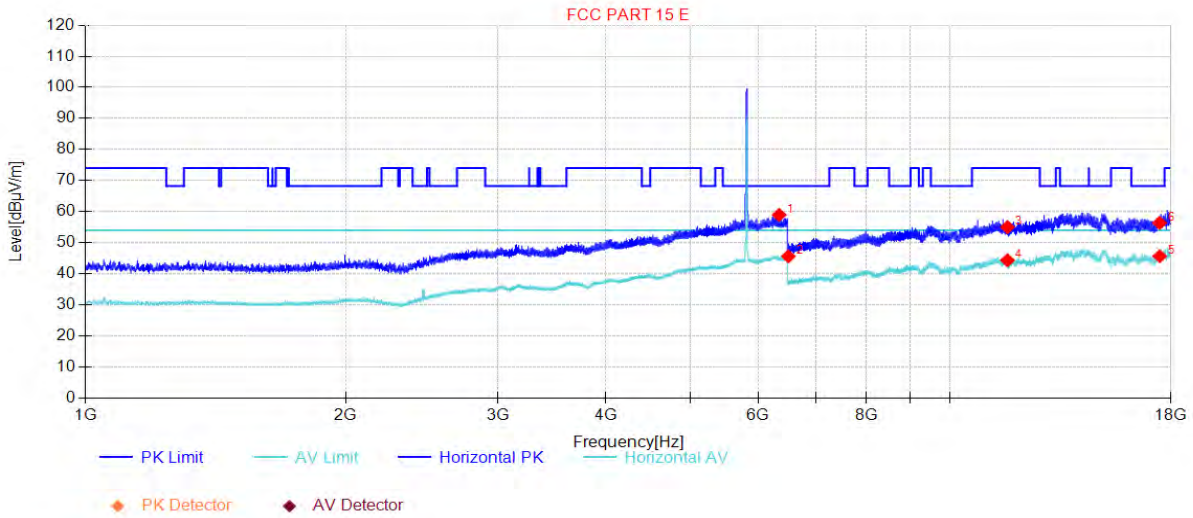
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4.9.2.51 802.11N20_Channel 165 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6343.056	58.94	18.35	68.20	9.26	143	Horizontal
2	6500.000	45.57	18.72	54.00	8.43	156	Horizontal
3	11650.00	55.00	2.58	74.00	19.00	162	Horizontal
4	11650.00	44.32	2.58	54.00	9.68	186	Horizontal
5	17475.00	45.61	7.42	54.00	8.39	162	Horizontal
6	17475.00	56.34	7.42	68.20	11.86	132	Horizontal

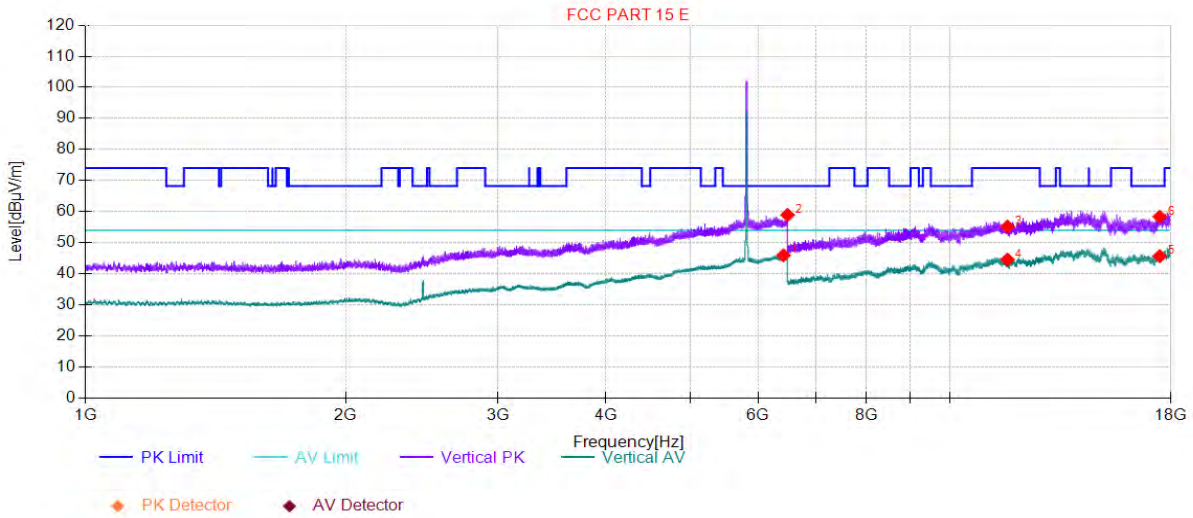
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4.9.2.52 802.11N20_Channel 165 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6416.394	45.90	18.25	54.00	8.10	121	Vertical
2	6486.065	58.92	18.64	68.20	9.28	197	Vertical
3	11650.00	55.17	2.58	74.00	18.83	191	Vertical
4	11650.00	44.54	2.58	54.00	9.46	135	Vertical
5	17475.00	45.63	7.42	54.00	8.37	191	Vertical
6	17475.00	58.35	7.42	68.20	9.85	178	Vertical

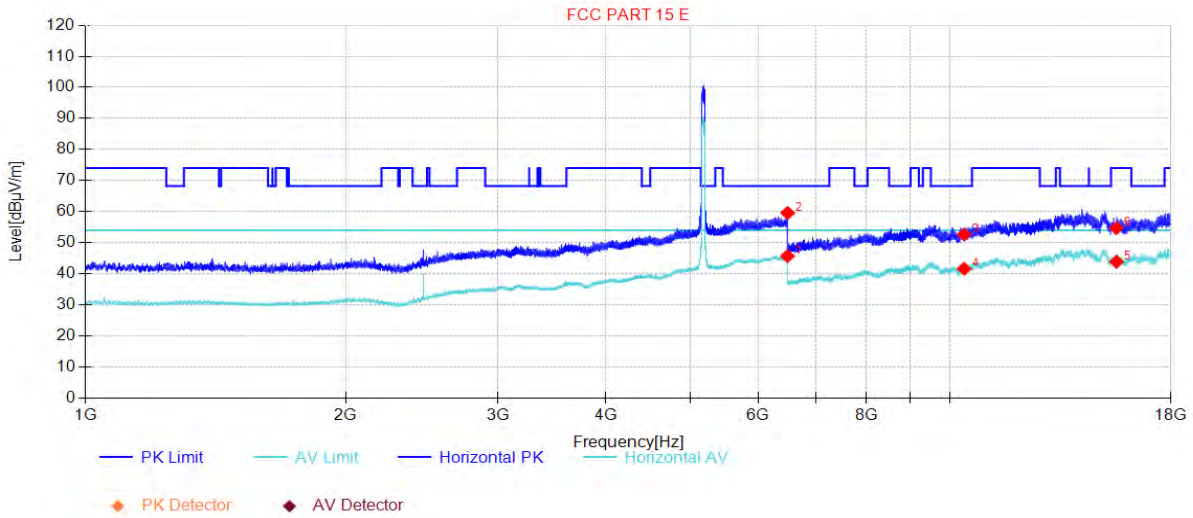
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4.9.2.53 802.11N40_Channel 38 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6486.065	45.69	18.64	54.00	8.31	182	Horizontal
2	6488.265	59.54	18.65	68.20	8.66	154	Horizontal
3	10380.00	52.60	2.40	68.20	15.60	114	Horizontal
4	10380.00	41.57	2.40	54.00	12.43	170	Horizontal
5	15570.00	43.84	6.00	54.00	10.16	153	Horizontal
6	15570.00	54.69	6.00	74.00	19.31	174	Horizontal

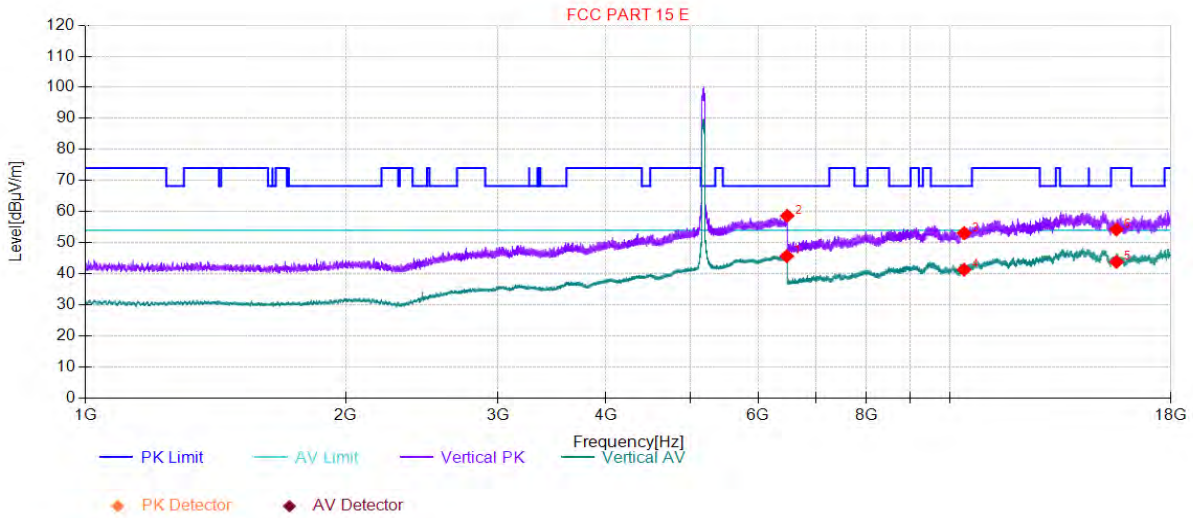
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4.9.2.54 802.11N40_Channel 38 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6473.231	45.64	18.57	54.00	8.36	165	Vertical
2	6480.198	58.63	18.61	68.20	9.57	190	Vertical
3	10380.00	53.04	2.40	68.20	15.16	185	Vertical
4	10380.00	41.28	2.40	54.00	12.72	131	Vertical
5	15570.00	43.79	6.00	54.00	10.21	168	Vertical
6	15570.00	54.20	6.00	74.00	19.80	167	Vertical

Final Data List

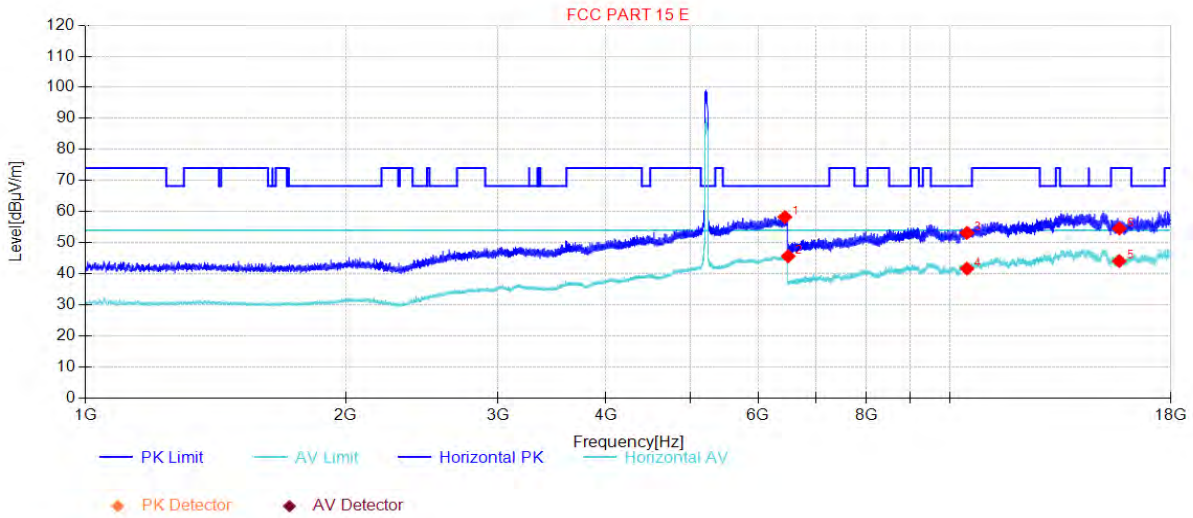


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4.9.2.55 802.11N40_Channel 46 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6439.862	58.25	18.38	68.20	9.95	164	Horizontal
2	6495.966	45.62	18.69	54.00	8.38	164	Horizontal
3	10460.00	53.12	2.47	68.20	15.08	119	Horizontal
4	10460.00	41.63	2.47	54.00	12.37	136	Horizontal
5	15690.00	44.05	6.13	54.00	9.95	133	Horizontal
6	15690.00	54.55	6.13	74.00	19.45	118	Horizontal

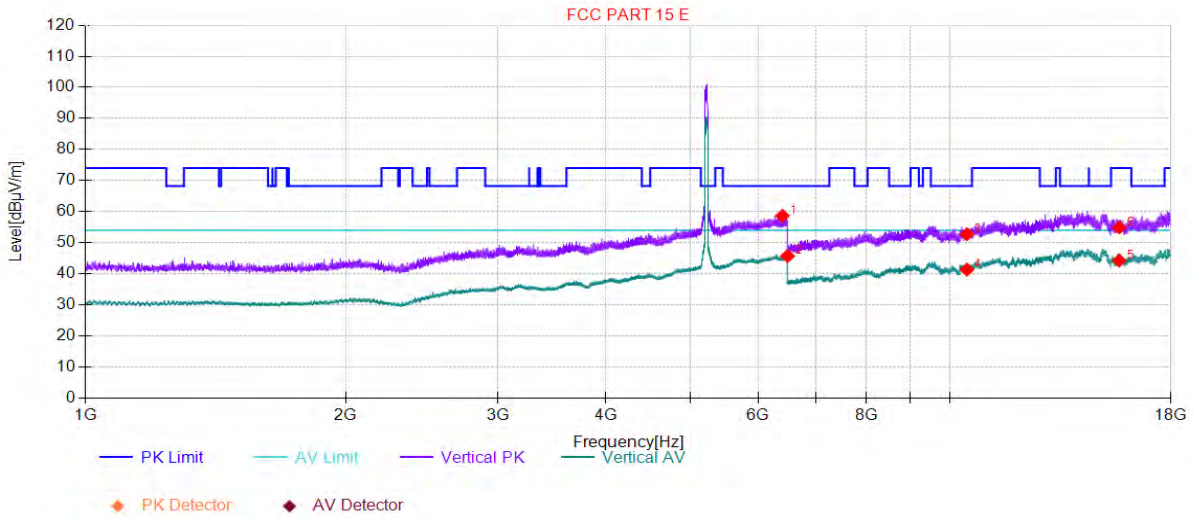
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4.9.2.56 802.11N40_Channel 46 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6397.326	58.64	18.17	68.20	9.56	164	Vertical
2	6486.432	45.69	18.64	54.00	8.31	195	Vertical
3	10460.00	52.70	2.47	68.20	15.50	141	Vertical
4	10460.00	41.31	2.47	54.00	12.69	176	Vertical
5	15690.00	44.22	6.13	54.00	9.78	128	Vertical
6	15690.00	54.87	6.13	74.00	19.13	158	Vertical

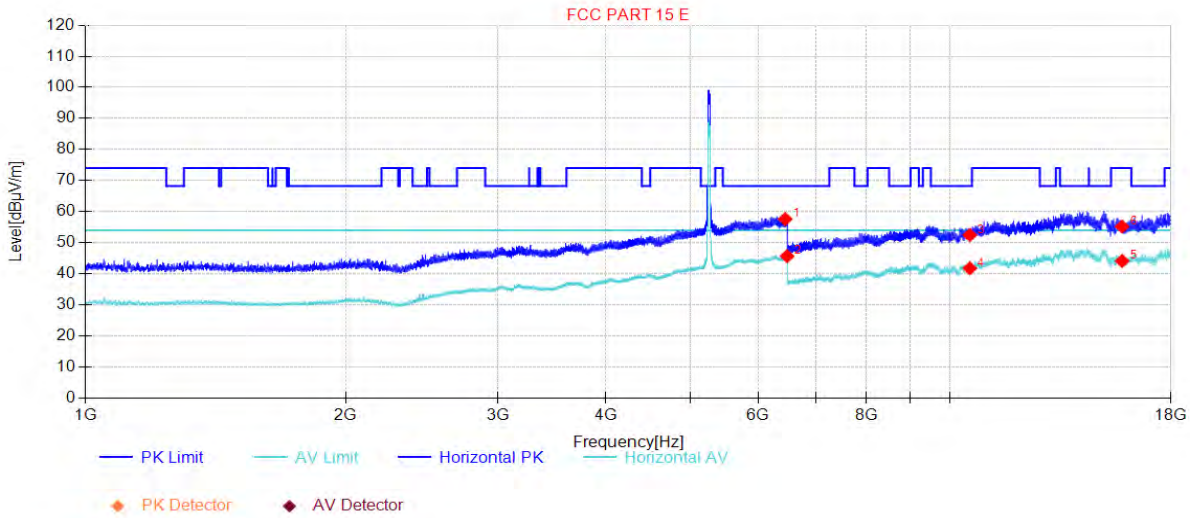
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4.9.2.57 802.11N40_Channel 54 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6445.363	57.58	18.41	68.20	10.62	133	Horizontal
2	6477.631	45.63	18.59	54.00	8.37	106	Horizontal
3	10540.00	52.44	2.39	68.20	15.76	103	Horizontal
4	10540.00	41.74	2.39	54.00	12.26	164	Horizontal
5	15810.00	44.10	5.12	54.00	9.90	164	Horizontal
6	15810.00	55.15	5.12	74.00	18.85	138	Horizontal

Final Data List

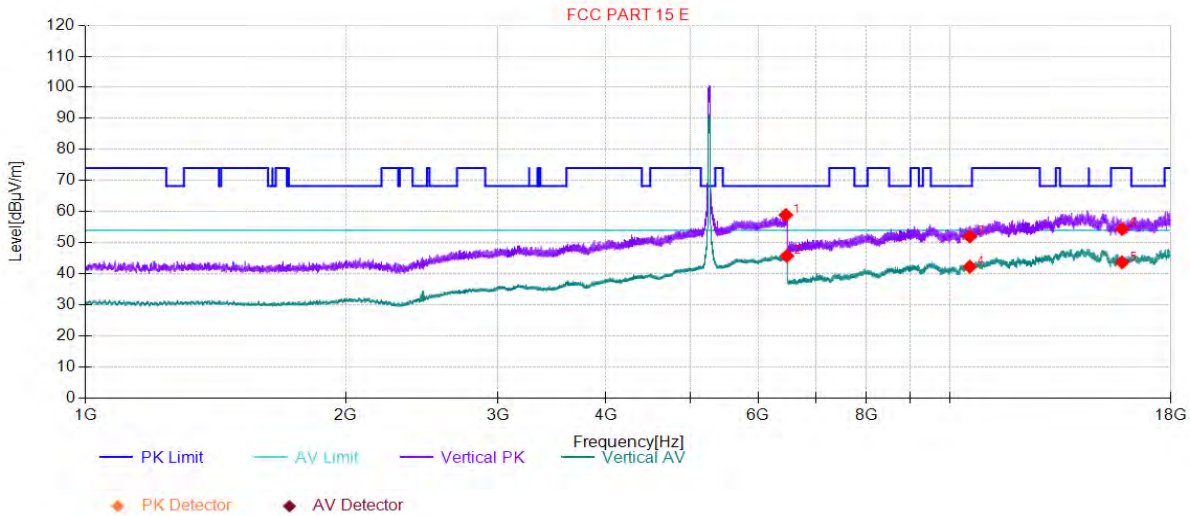


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4.9.2.58 802.11N40_Channel 54 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6457.097	58.88	18.48	68.20	9.32	106	Vertical
2	6475.798	45.70	18.58	54.00	8.30	177	Vertical
3	10540.00	51.98	2.39	68.20	16.22	197	Vertical
4	10540.00	42.25	2.39	54.00	11.75	122	Vertical
5	15810.00	43.67	5.12	54.00	10.33	187	Vertical
6	15810.00	54.37	5.12	74.00	19.63	141	Vertical

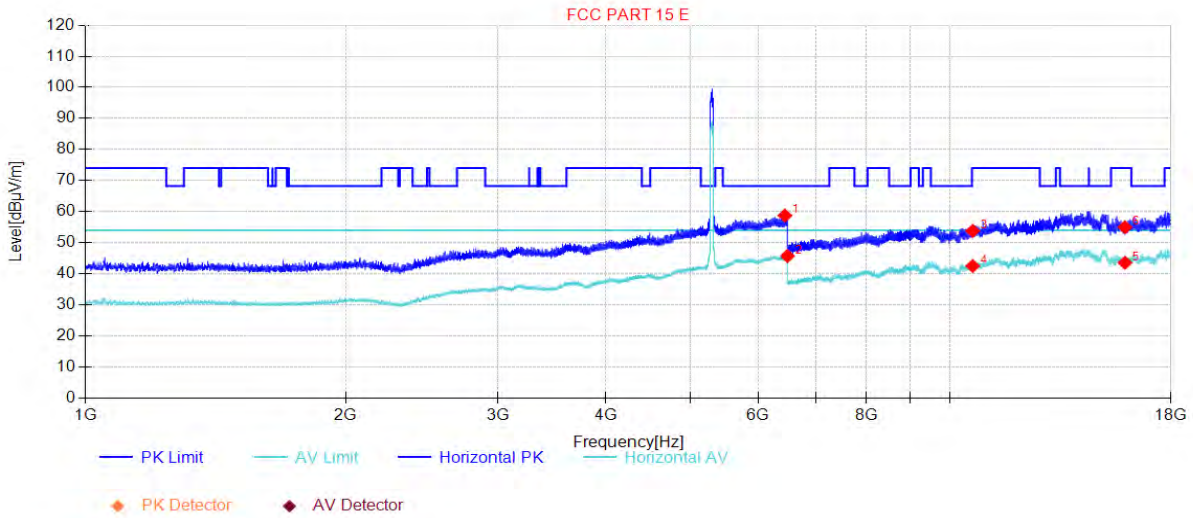
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4.9.2.59 802.11N40_Channel 62 MIMO

Test Graph



Suspected List

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6440.962	58.73	18.39	68.20	9.47	137	Horizontal
2	6483.865	45.70	18.63	54.00	8.30	162	Horizontal
3	10620.00	53.79	2.23	74.00	20.21	111	Horizontal
4	10620.00	42.47	2.23	54.00	11.53	174	Horizontal
5	15930.00	43.51	5.15	54.00	10.49	183	Horizontal
6	15930.00	54.97	5.15	74.00	19.03	110	Horizontal

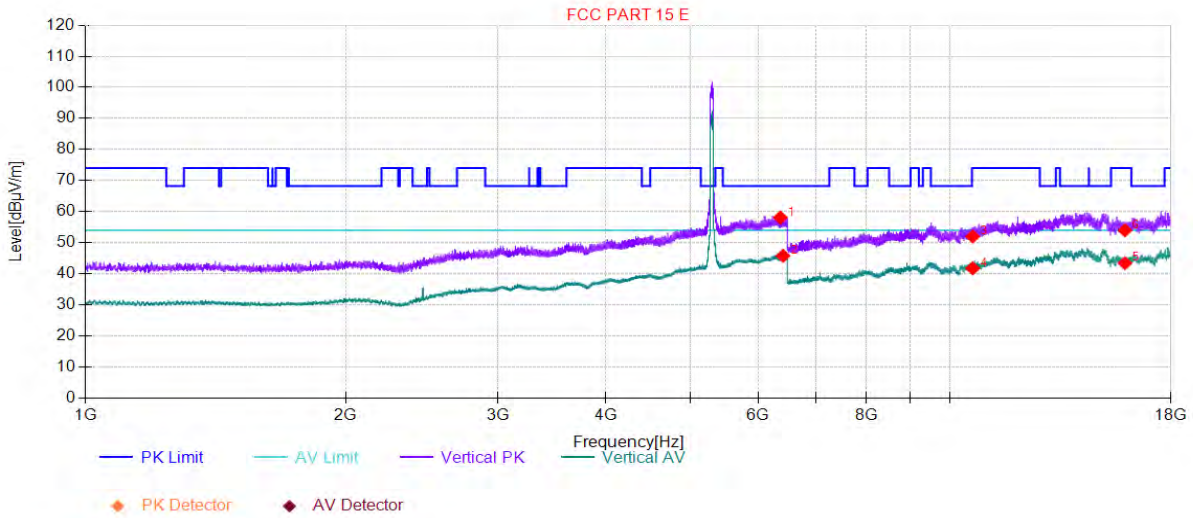
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4.9.2.60 802.11N40_Channel 62 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6363.224	58.07	18.28	68.20	10.13	181	Vertical
2	6408.327	45.75	18.21	54.00	8.25	181	Vertical
3	10620.00	51.98	2.23	74.00	22.02	191	Vertical
4	10620.00	41.71	2.23	54.00	12.29	157	Vertical
5	15930.00	43.40	5.15	54.00	10.60	120	Vertical
6	15930.00	53.97	5.15	74.00	20.03	158	Vertical

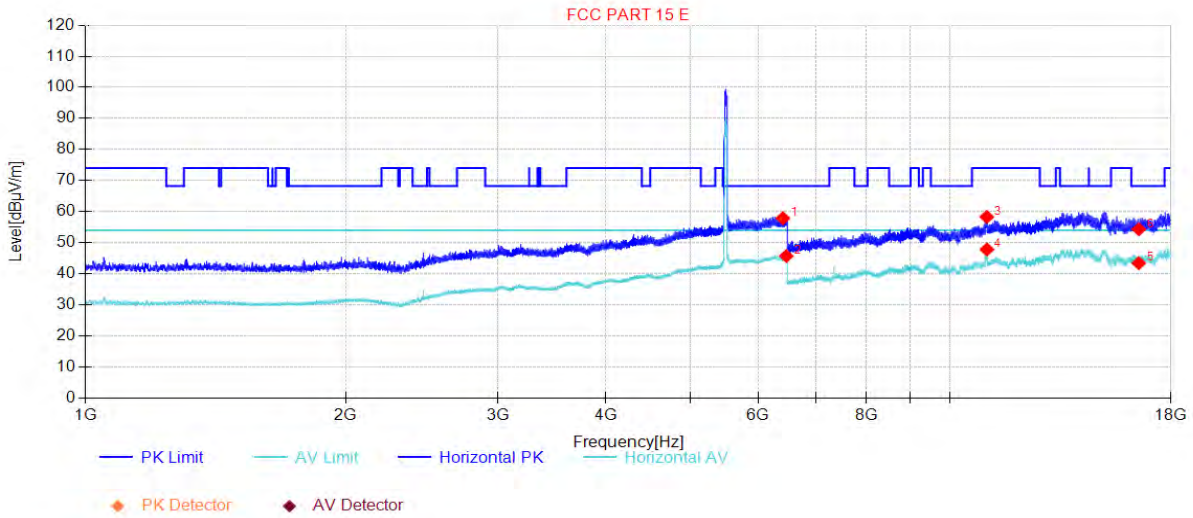
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4.9.2.61 802.11N40_Channel 102 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6406.860	57.86	18.20	68.20	10.34	170	Horizontal
2	6465.531	45.69	18.52	54.00	8.31	165	Horizontal
3	11025.66	58.28	2.68	74.00	15.72	166	Horizontal
4	11029.34	47.80	2.67	54.00	6.20	114	Horizontal
5	16530.00	43.40	5.27	54.00	10.60	151	Horizontal
6	16530.00	54.32	5.27	68.20	13.88	108	Horizontal

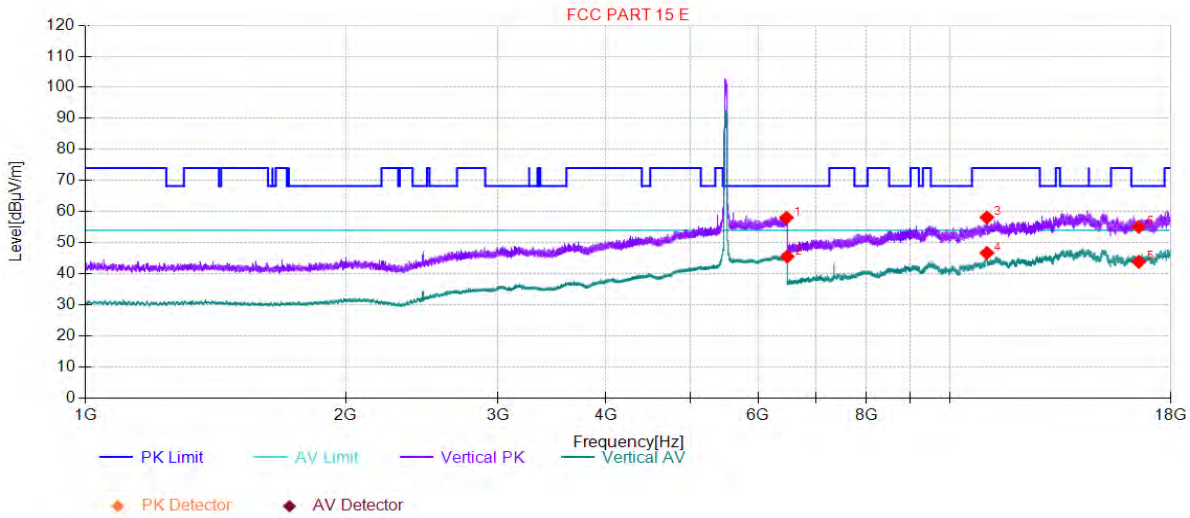
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4.9.2.62 802.11N40_Channel 102 MIMO

Test Graph



Suspected List

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6467.731	58.03	18.54	68.20	10.17	136	Vertical
2	6481.298	45.53	18.61	54.00	8.47	184	Vertical
3	11027.96	58.10	2.67	74.00	15.90	193	Vertical
4	11027.96	46.67	2.67	54.00	7.33	188	Vertical
5	16530.00	43.81	5.27	54.00	10.19	191	Vertical
6	16530.00	55.08	5.27	68.20	13.12	199	Vertical

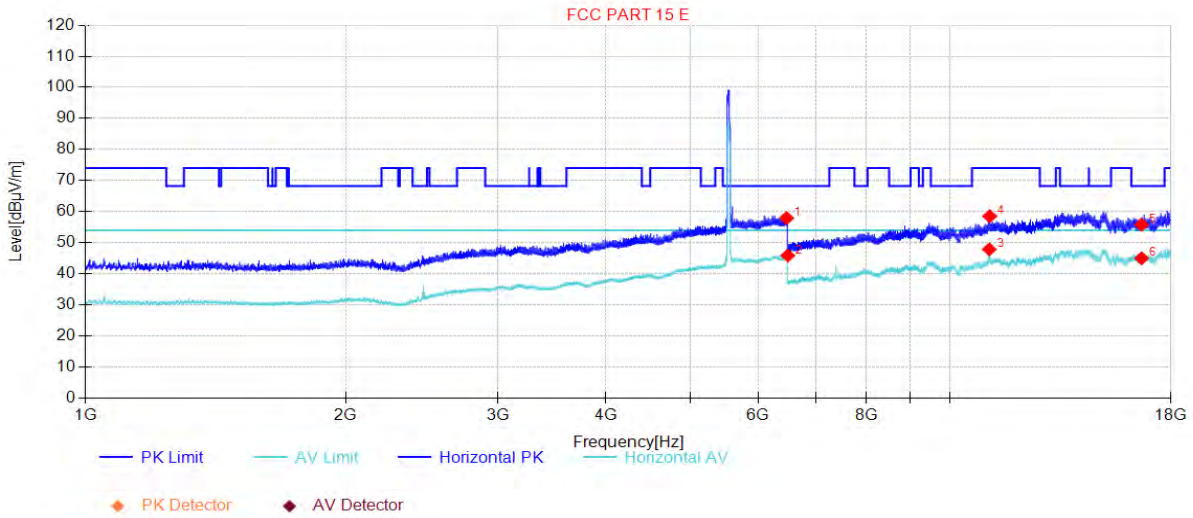
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4.9.2.63 802.11N40_Channel 110 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6469.931	57.90	18.55	68.20	10.30	163	Horizontal
2	6492.299	45.86	18.67	54.00	8.14	160	Horizontal
3	11100.64	47.84	2.49	54.00	6.16	156	Horizontal
4	11111.68	58.51	2.50	74.00	15.49	102	Horizontal
5	16650.00	55.78	5.74	68.20	12.42	129	Horizontal
6	16650.00	44.96	5.74	54.00	9.04	128	Horizontal

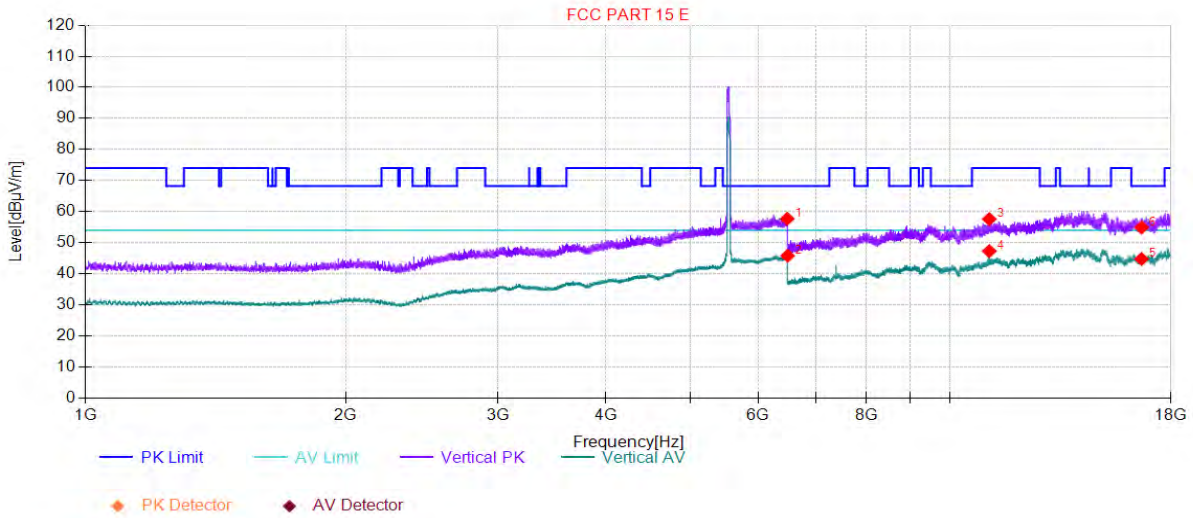
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4.9.2.64 802.11N40_Channel 110 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6480.932	57.67	18.61	68.20	10.53	188	Vertical
2	6487.899	45.77	18.65	54.00	8.23	182	Vertical
3	11099.72	57.58	2.49	74.00	16.42	138	Vertical
4	11100.64	47.26	2.49	54.00	6.74	163	Vertical
5	16650.00	44.74	5.74	54.00	9.26	107	Vertical
6	16650.00	54.89	5.74	68.20	13.31	174	Vertical

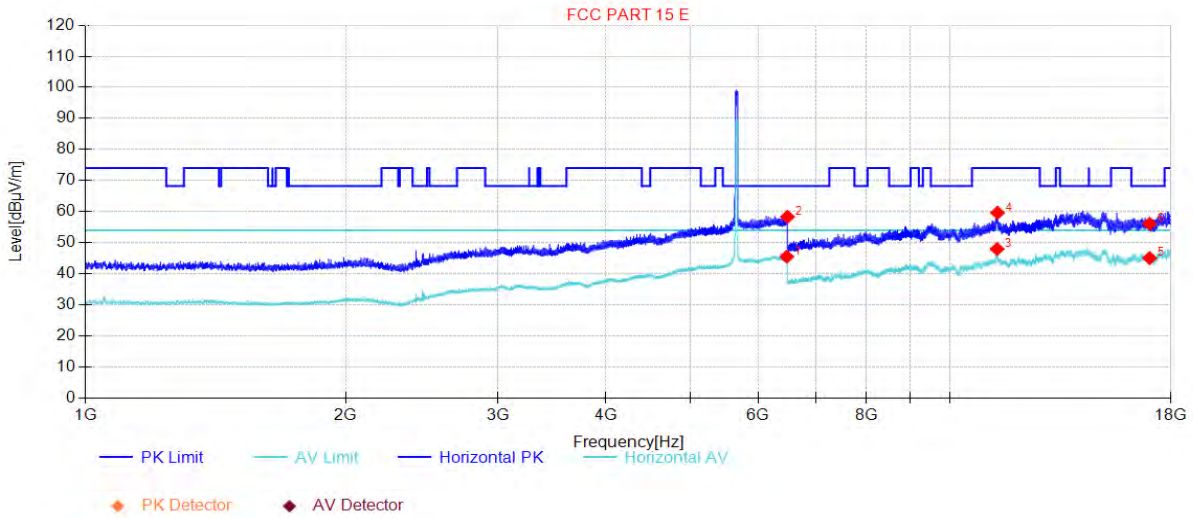
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4.9.2.65 802.11N40_Channel 134 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6472.498	45.47	18.56	54.00	8.53	114	Horizontal
2	6485.332	58.31	18.63	68.20	9.89	169	Horizontal
3	11333.41	47.95	2.55	54.00	6.05	185	Horizontal
4	11344.91	59.62	2.55	74.00	14.38	127	Horizontal
5	17010.00	45.04	6.16	54.00	8.96	170	Horizontal
6	17010.00	56.08	6.16	68.20	12.12	108	Horizontal

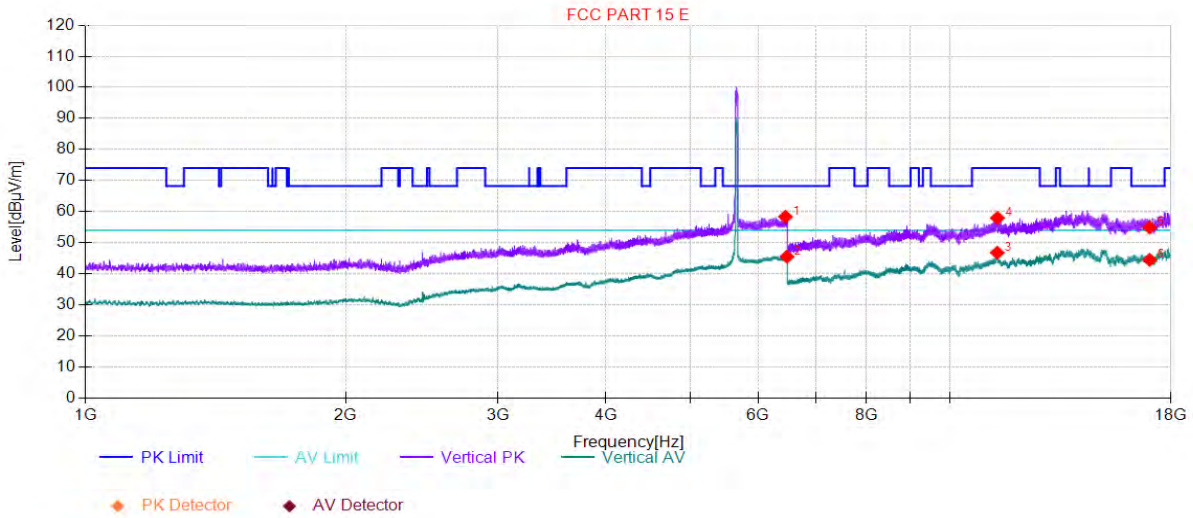
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4.9.2.66 802.11N40_Channel 134 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6450.863	58.34	18.44	68.20	9.86	159	Vertical
2	6476.531	45.49	18.58	54.00	8.51	166	Vertical
3	11337.55	46.75	2.55	54.00	7.25	145	Vertical
4	11345.37	57.93	2.55	74.00	16.07	172	Vertical
5	17010.00	54.90	6.16	68.20	13.30	171	Vertical
6	17010.00	44.46	6.16	54.00	9.54	158	Vertical

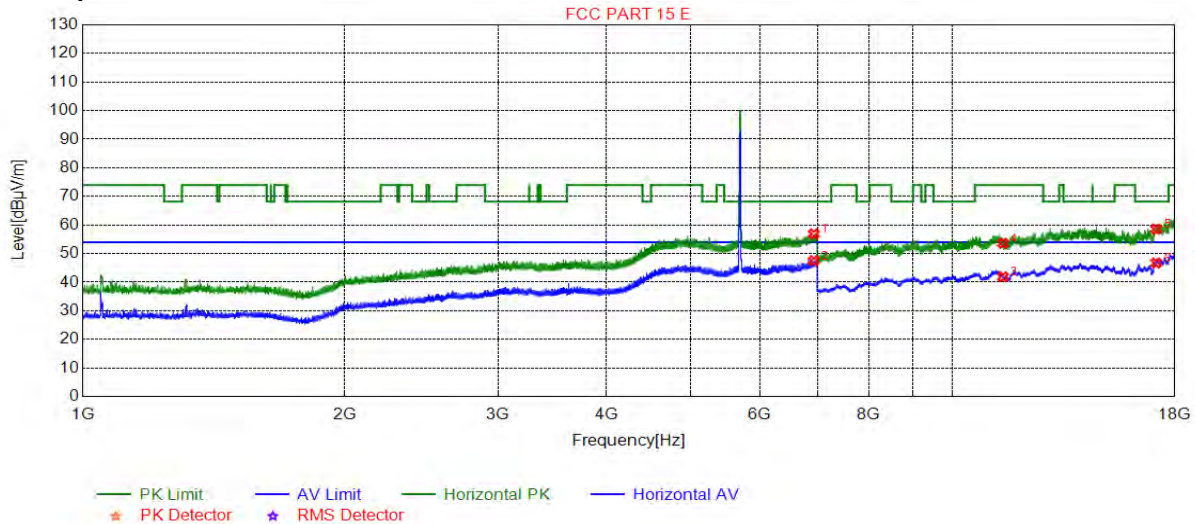
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4.9.2.67 802.11N40_Channel 142 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6923.49	56.90	21.54	68.20	11.30	150	278	Horizontal
2	6923.79	47.54	21.54	54.00	6.46	102	244	Horizontal
3	11420.0	41.89	-0.94	54.00	12.11	136	278	Horizontal
4	11420.0	53.63	-0.94	74.00	20.37	162	330	Horizontal
5	17130.0	58.56	1.39	68.20	9.64	125	54	Horizontal
6	17130.0	46.72	1.39	54.00	7.28	175	330	Horizontal

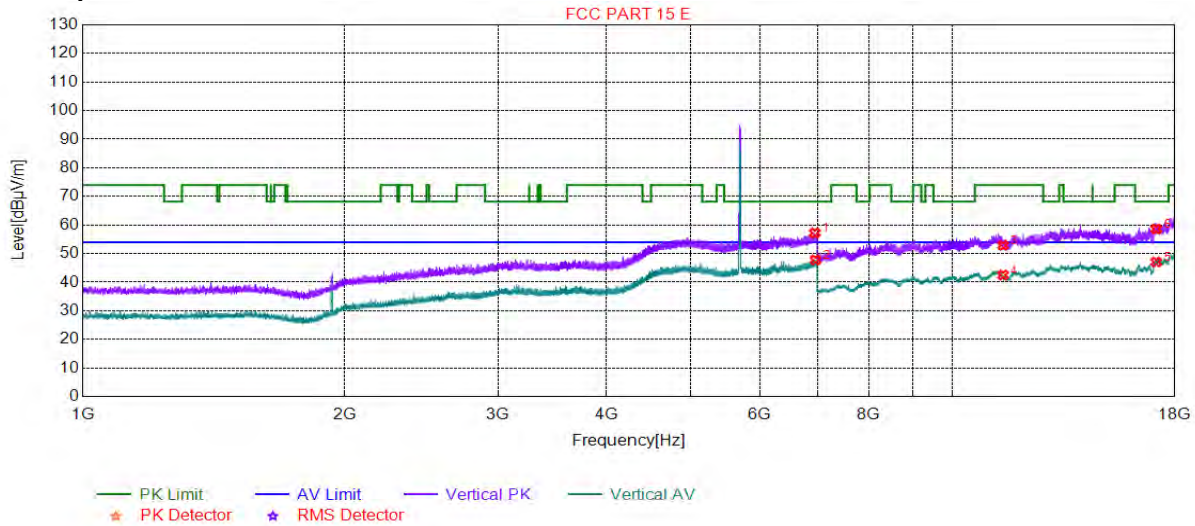
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4.9.2.68 802.11N40_Channel 142 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6940.29	57.23	21.68	68.20	10.97	199	219	Vertical
2	6953.49	47.81	21.76	54.00	6.19	190	134	Vertical
3	11420.0	52.87	-0.94	74.00	21.13	143	30	Vertical
4	11420.0	42.53	-0.94	54.00	11.47	198	64	Vertical
5	17130.0	47.08	1.39	54.00	6.92	184	200	Vertical
6	17130.0	58.60	1.39	68.20	9.60	153	200	Vertical

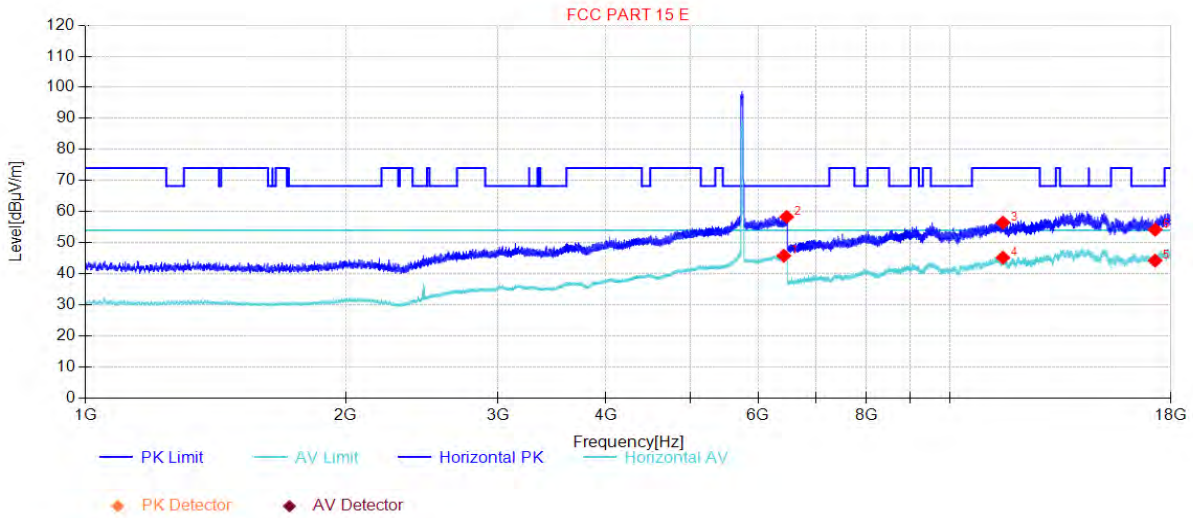
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4.9.2.69 802.11N40_Channel 151 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6422.261	45.76	18.28	54.00	8.24	140	Horizontal
2	6471.031	58.29	18.55	68.20	9.91	145	Horizontal
3	11510.00	56.44	2.17	74.00	17.56	187	Horizontal
4	11510.00	45.17	2.17	54.00	8.83	109	Horizontal
5	17265.00	44.20	6.33	54.00	9.80	166	Horizontal
6	17265.00	54.16	6.33	68.20	14.04	116	Horizontal

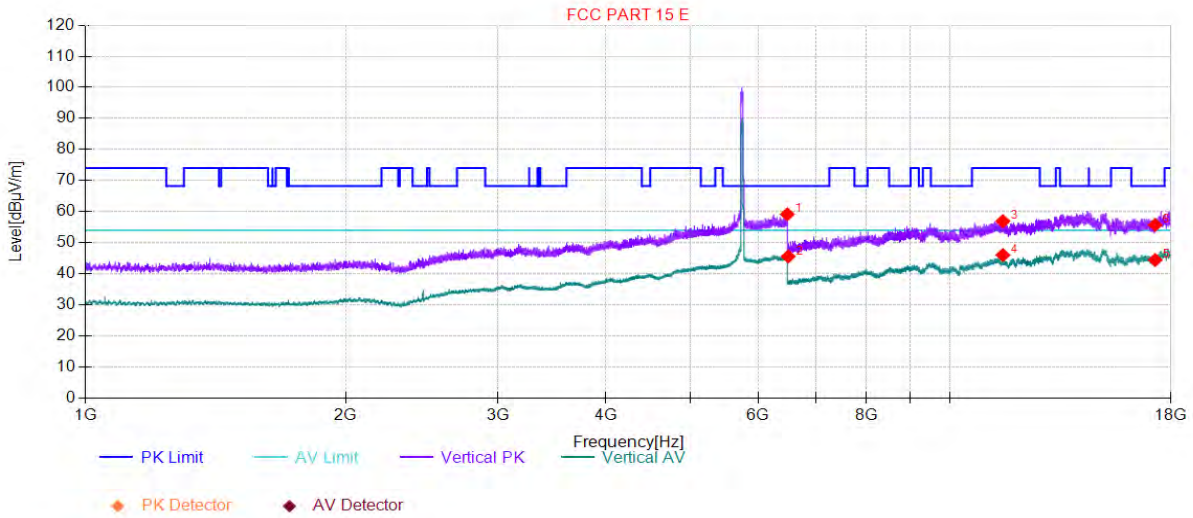
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4.9.2.70 802.11N40_Channel 151 MIMO

Test Graph



Suspected List

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6482.765	59.13	18.62	68.20	9.07	163	Vertical
2	6497.799	45.55	18.70	54.00	8.45	112	Vertical
3	11510.00	56.89	2.17	74.00	17.11	198	Vertical
4	11510.00	46.01	2.17	54.00	7.99	169	Vertical
5	17265.00	44.41	6.33	54.00	9.59	129	Vertical
6	17265.00	55.71	6.33	68.20	12.49	111	Vertical

Final Data List

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6482.765	59.13	18.62	68.20	9.07	163	Vertical
2	6497.799	45.55	18.70	54.00	8.45	112	Vertical
3	11510.00	56.89	2.17	74.00	17.11	198	Vertical
4	11510.00	46.01	2.17	54.00	7.99	169	Vertical
5	17265.00	44.41	6.33	54.00	9.59	129	Vertical
6	17265.00	55.71	6.33	68.20	12.49	111	Vertical

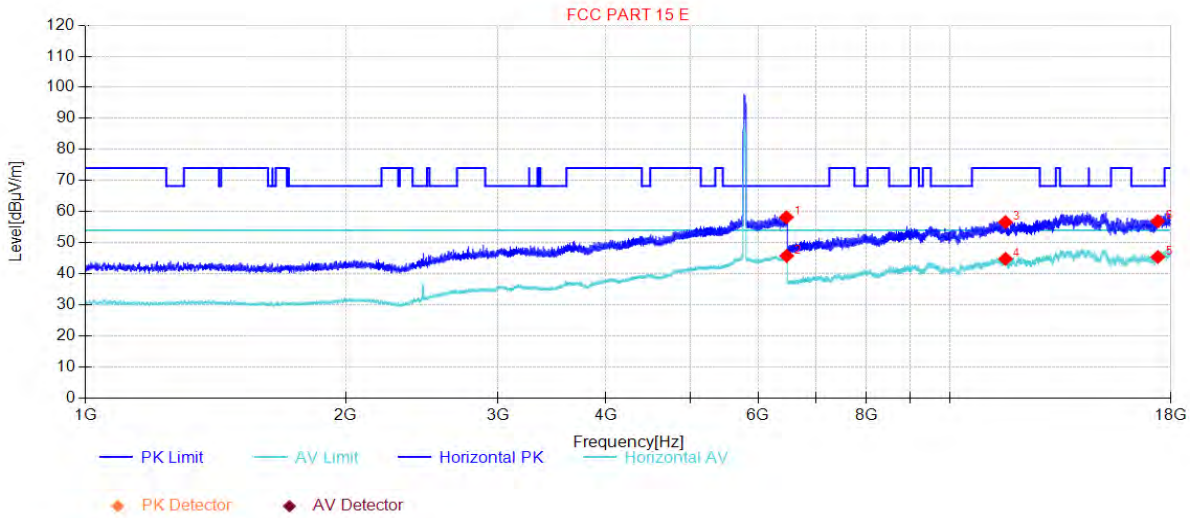


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4.9.2.71 802.11N40_Channel 159 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6467.364	58.14	18.53	68.20	10.06	170	Horizontal
2	6471.764	45.73	18.56	54.00	8.27	164	Horizontal
3	11590.00	56.60	3.16	74.00	17.40	127	Horizontal
4	11590.00	44.77	3.16	54.00	9.23	131	Horizontal
5	17385.00	45.35	6.82	54.00	8.65	165	Horizontal
6	17385.00	56.90	6.82	68.20	11.30	150	Horizontal

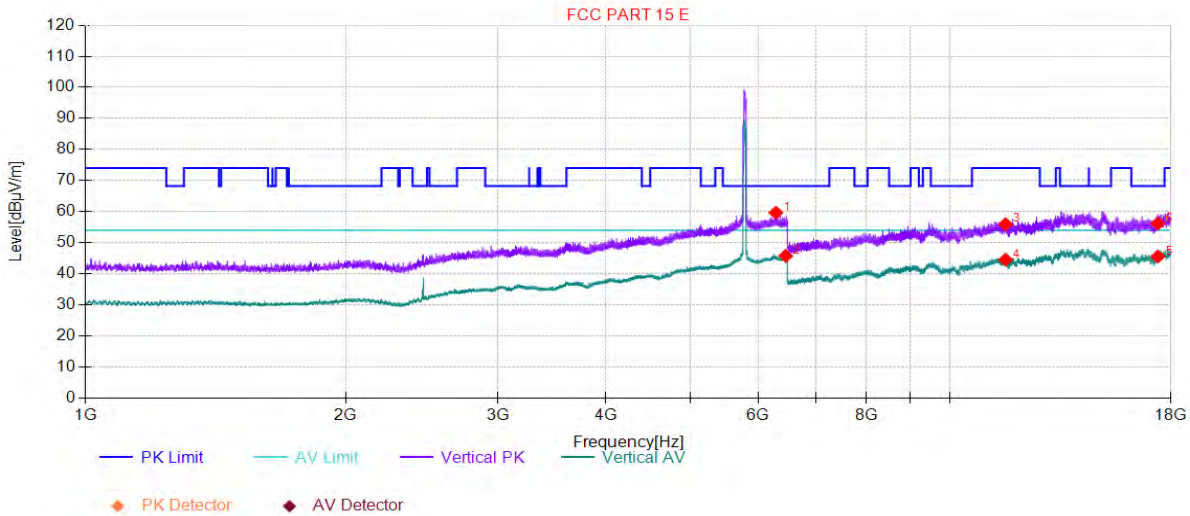
Final Data List



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4.9.2.72 802.11N40_Channel 159 MIMO

Test Graph



Suspected List

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6289.152	59.64	18.43	68.20	8.56	199	Vertical
2	6454.897	45.72	18.46	54.00	8.28	196	Vertical
3	11590.00	55.92	3.16	74.00	18.08	133	Vertical
4	11590.00	44.49	3.16	54.00	9.51	187	Vertical
5	17385.00	45.51	6.82	54.00	8.49	126	Vertical
6	17385.00	56.14	6.82	68.20	12.06	168	Vertical

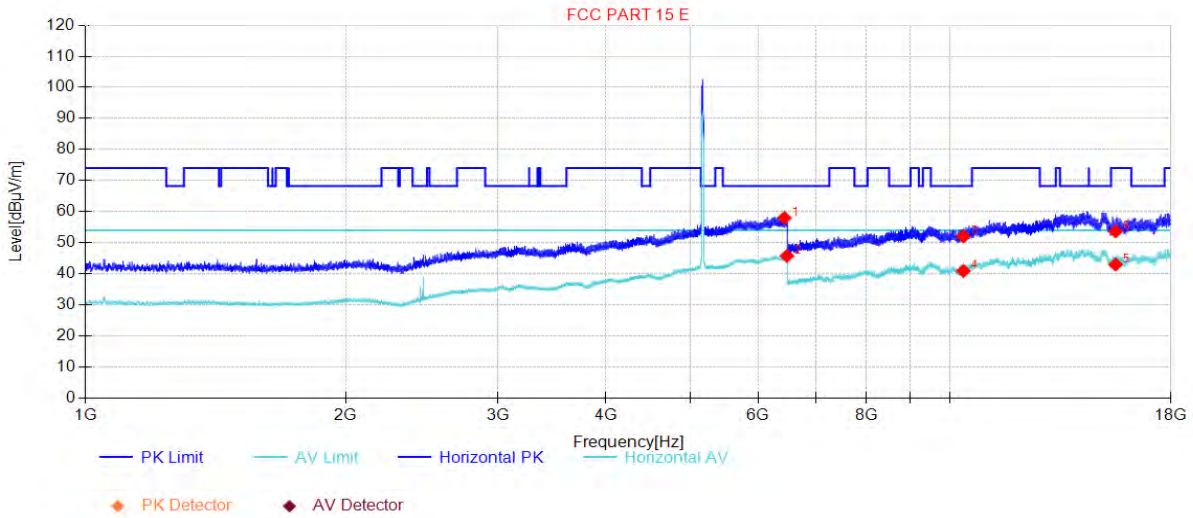
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4.9.2.73 802.11AC20_Channel 36 MIMO

Test Graph



Suspected List

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6432.895	57.93	18.34	68.20	10.27	174	Horizontal
2	6476.165	45.72	18.58	54.00	8.28	122	Horizontal
3	10360.00	52.00	2.38	68.20	16.20	130	Horizontal
4	10360.00	40.89	2.38	54.00	13.11	176	Horizontal
5	15540.00	42.94	5.88	54.00	11.06	134	Horizontal
6	15540.00	53.63	5.88	74.00	20.37	150	Horizontal

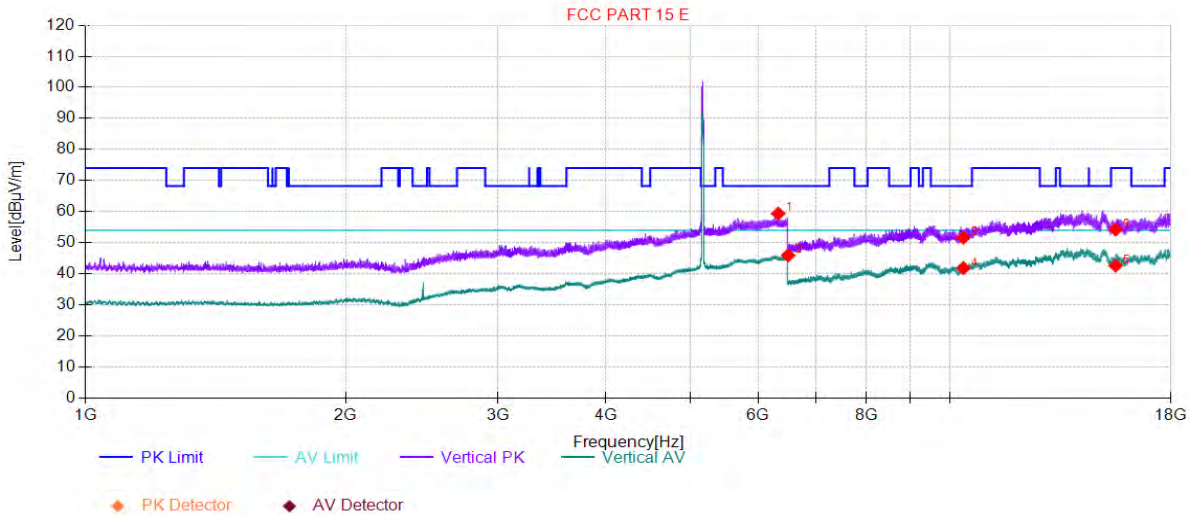
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4.9.2.74 802.11AC20_Channel 36 MIMO

Test Graph



Suspected List

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6326.555	59.36	18.40	68.20	8.84	162	Vertical
2	6496.333	45.90	18.69	54.00	8.10	178	Vertical
3	10360.00	51.59	2.38	68.20	16.61	191	Vertical
4	10360.00	41.79	2.38	54.00	12.21	150	Vertical
5	15540.00	42.61	5.88	54.00	11.39	176	Vertical
6	15540.00	54.21	5.88	74.00	19.79	178	Vertical

Final Data List

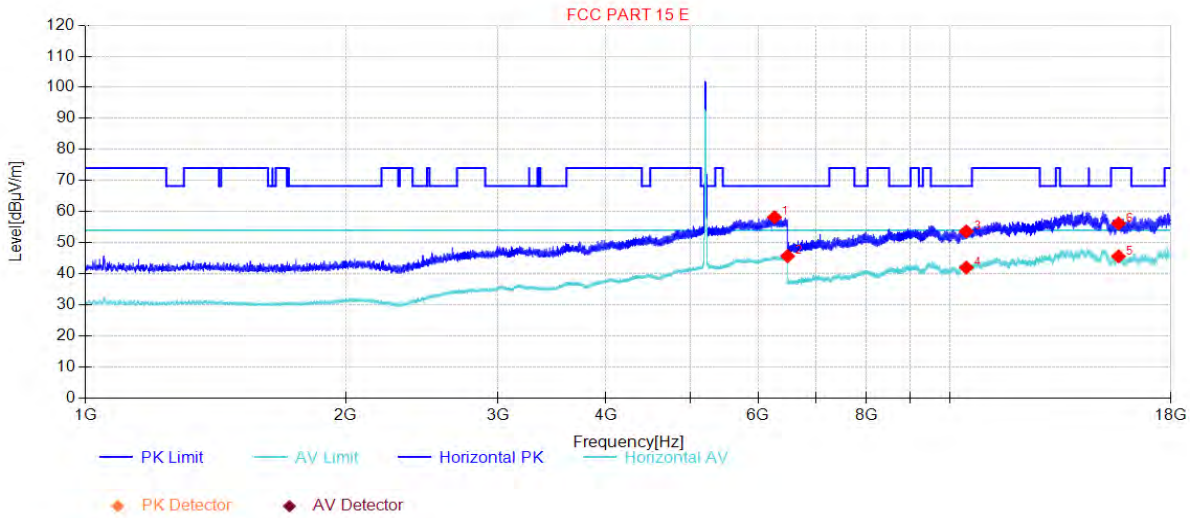


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4.9.2.75 802.11AC20_Channel 44 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6264.584	58.18	18.31	68.20	10.02	149	Horizontal
2	6486.432	45.65	18.64	54.00	8.35	183	Horizontal
3	10440.00	53.61	2.46	68.20	14.59	162	Horizontal
4	10440.00	41.97	2.46	54.00	12.03	132	Horizontal
5	15660.00	45.56	6.12	54.00	8.44	177	Horizontal
6	15660.00	56.17	6.12	74.00	17.83	129	Horizontal

Final Data List

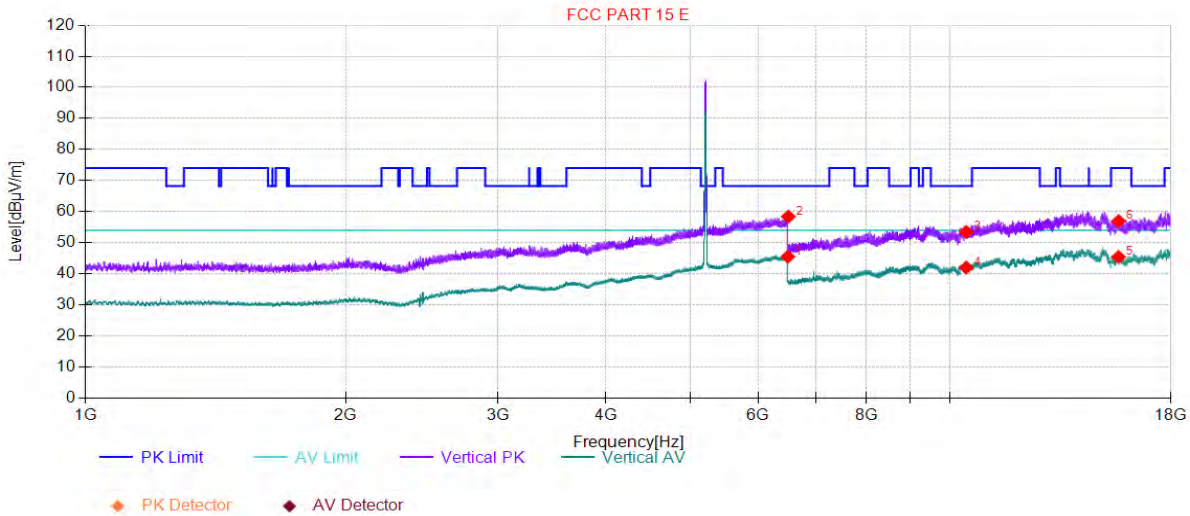


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4.9.2.76 802.11AC20_Channel 44 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6491.199	45.47	18.67	54.00	8.53	176	Vertical
2	6500.000	58.40	18.72	68.20	9.80	195	Vertical
3	10440.00	53.44	2.46	68.20	14.76	179	Vertical
4	10440.00	41.99	2.46	54.00	12.01	181	Vertical
5	15660.00	45.40	6.12	54.00	8.60	148	Vertical
6	15660.00	56.93	6.12	74.00	17.07	171	Vertical

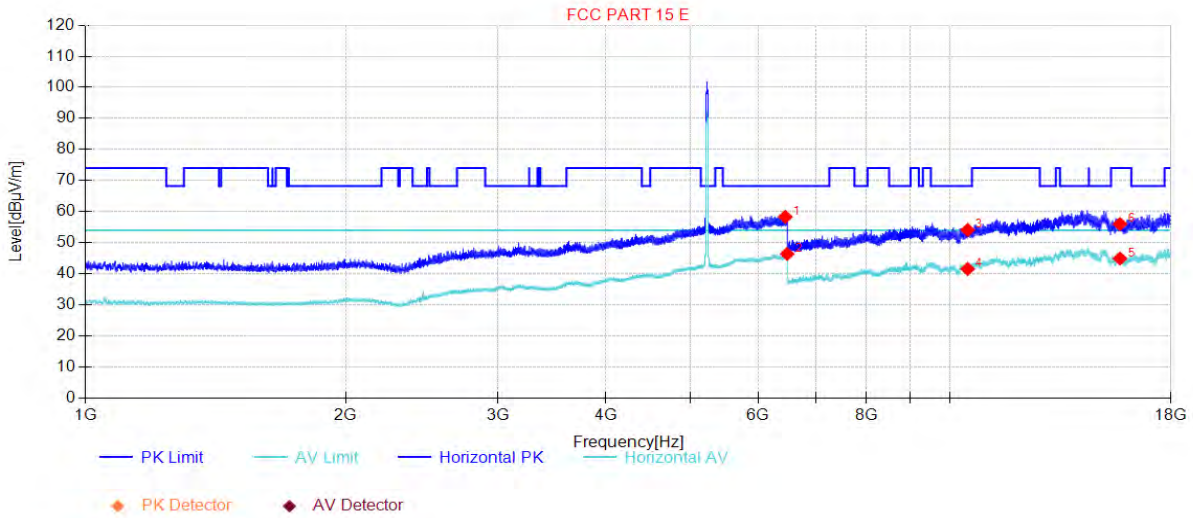
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4.9.2.77 802.11AC20_Channel 48 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6447.196	58.31	18.42	68.20	9.89	180	Horizontal
2	6479.832	46.35	18.60	54.00	7.65	189	Horizontal
3	10480.00	54.07	2.49	68.20	14.13	116	Horizontal
4	10480.00	41.53	2.49	54.00	12.47	170	Horizontal
5	15720.00	44.88	5.92	54.00	9.12	113	Horizontal
6	15720.00	56.00	5.92	74.00	18.00	194	Horizontal

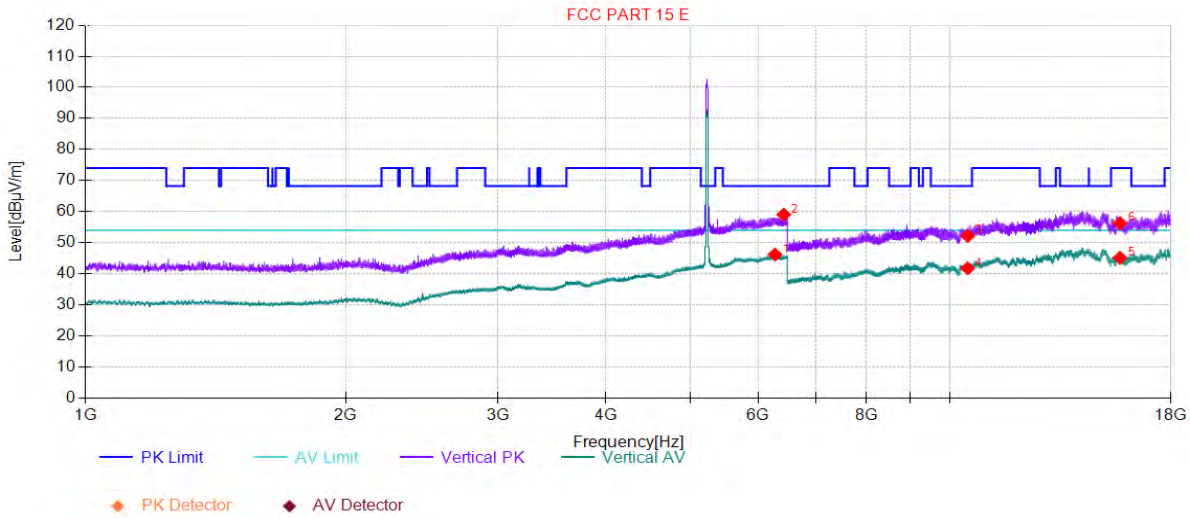
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4.9.2.78 802.11AC20_Channel 48 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6273.018	46.14	18.35	54.00	7.86	110	Vertical
2	6422.628	59.01	18.29	68.20	9.19	185	Vertical
3	10480.00	52.17	2.49	68.20	16.03	184	Vertical
4	10480.00	41.73	2.49	54.00	12.27	189	Vertical
5	15720.00	45.07	5.92	54.00	8.93	181	Vertical
6	15720.00	56.28	5.92	74.00	17.72	143	Vertical

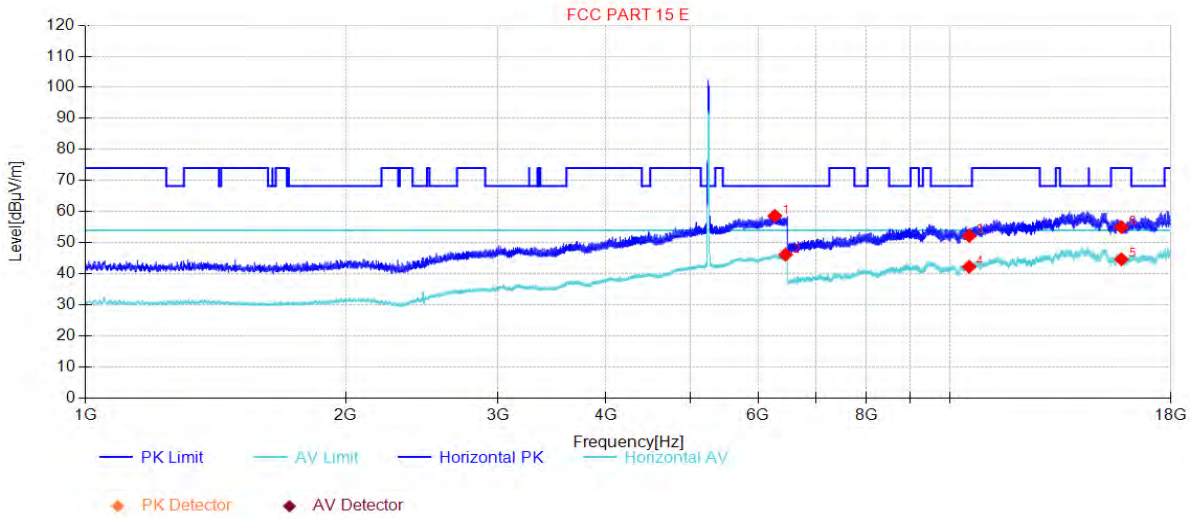
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4.9.2.79 802.11AC20_Channel 52 MIMO

Test Graph



Suspected List

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6271.184	58.62	18.35	68.20	9.58	162	Horizontal
2	6451.230	46.13	18.44	54.00	7.87	128	Horizontal
3	10520.00	52.15	2.45	68.20	16.05	113	Horizontal
4	10520.00	42.22	2.45	54.00	11.78	148	Horizontal
5	15780.00	44.64	5.30	54.00	9.36	189	Horizontal
6	15780.00	54.97	5.30	74.00	19.03	144	Horizontal

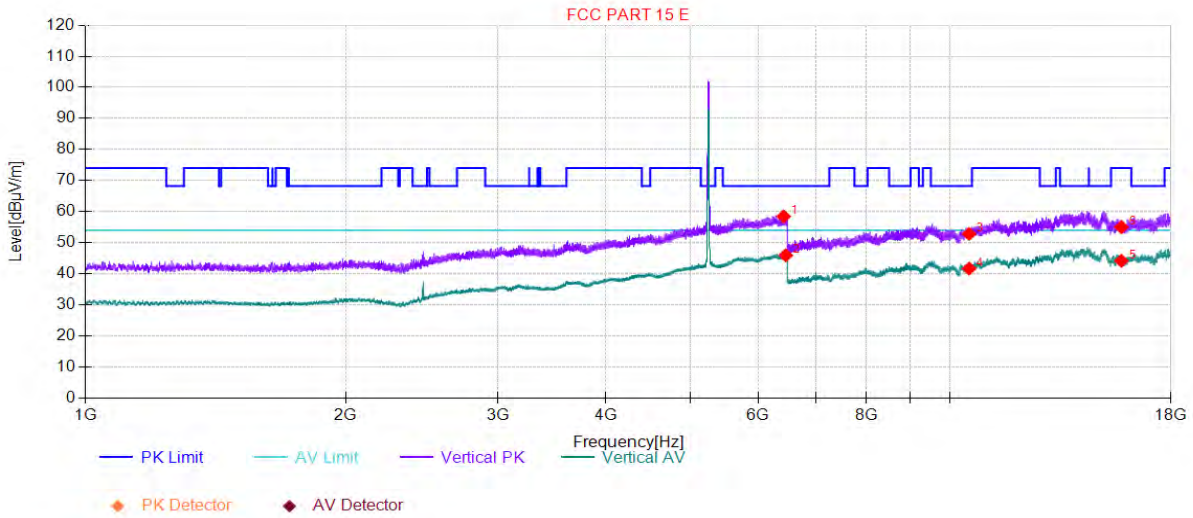
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4.9.2.80 802.11AC20_Channel 52 MIMO

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Polarity
1	6419.328	58.44	18.27	68.20	9.76	159	Vertical
2	6455.263	45.93	18.47	54.00	8.07	176	Vertical
3	10520.00	52.82	2.45	68.20	15.38	186	Vertical
4	10520.00	41.63	2.45	54.00	12.37	174	Vertical
5	15780.00	44.14	5.30	54.00	9.86	174	Vertical
6	15780.00	54.97	5.30	74.00	19.03	157	Vertical

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