

Report No.: ZR/2020/C003405

Page: 1 of 855

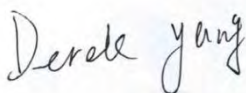
FCC TEST REPORT

Application No.: ZR/2020/C0034
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: PY7-54955X
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
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: 2020/12/11
Date of Test: 2020/12/11 to 2021/1/12
Date of Issue: 2021/4/21

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



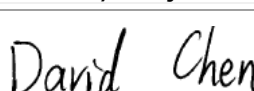
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SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Wireless Laboratory

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1 Version

Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2021-03-03		Original
02		2021-03-11		type error
03		2021-03-16		Comment Revised
04		2021-04-21		Modify equipment list

Authorized for issue by:			
Tested By		 (Mike Hu) /Project Engineer	
Checked By		 (David Chen) /Reviewer	



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2 Test Summary

Test Item	Band	FCC rules	Test Requirements	Result	Test Lab*
26dB Emission Bandwidth	5150-5250	15.403(i) 15.407(a)(1)	No limit.	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.	PASS	
99% Occupied Bandwidth	5150-5250	KDB 789033 D02§ D	No limit.	PASS	
	5250-5350				
	5470-5725				
	5725-5850				
Duty Cycle	5150-5850	--	No limit.	PASS	
Maximum Conducted Output Power	5150-5250	15.407(a)(1) 15.407(a)(4)	FCC < 250mW (avg during transmission)	PASS	
	5250-5350	15.407(a)(2) 15.407(a)(4)	<MIN{250mW, 11dBm+10*Ig(EB W)} (avg during transmission)		
	5470-5725	15.407(a)(2) 15.407(a)(4)	<MIN{250mW, 11dBm+10*Ig(EB W)} (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)	PASS	
	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).	PASS	
	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: §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).	PASS	



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			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).		
	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	---	PASS	B
AC Power Line Conducted Emissions	5150-5250 5250-5350 5470-5725 5725-5850	15.207	---	PASS	B
Frequency Stability	5150-5250 5250-5350 5470-5725 5725-5850	15.209	---	PASS	A
Dynamic Frequency Selection	5250-5350 5470-5725	47 CFR Part 15, Subpart E 15.407	Channel Move Time:10 Seconds	PASS	B



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Contents

1	Version	2
2	Test Summary	3
3	General Information	6
3.1	Details of Client	6
3.2	Test Location	6
3.3	Test Facility	7
3.4	General Description of EUT	8
3.5	Test Environment and Mode	11
4	Test results and Measurement Data	12
4.1	Antenna Requirement	12
4.2	AC Power Line Conducted Emissions	12
4.3	Duty Cycle	16
4.4	Conducted Output Power	17
4.5	26dB Emission Bandwidth	18
4.6	6dB Emission Bandwidth	19
4.7	99% Occupied Bandwidth	20
4.8	Power Spectral Density	21
4.9	Radiated Spurious Emissions	22
4.9.1	Radiated emission below 1GHz	24
4.10	Restricted bands around fundamental frequency	144
4.10.1	Test Plots	147
4.11	Frequencies Stability	241
4.11.1	Frequency Error vs. Voltage	241
4.11.2	Frequency Error vs. Temperature	241
4.12	Dynamic Frequency Selection	242
4.12.1	DFS Overview	242
4.12.2	DFS Detection Thresholds	243
4.12.3	Response Requirements	243
4.12.4	Test plots	245
5	Measurement Uncertainty (95% confidence levels, k=2)	254
6	Equipment List	255
7	Photographs - EUT Constructional Details	257



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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

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:	GSM/WCDMA/LTE Phone with BT, DTS/UNII a/b/g/n/ac, GPS and NFC	
Trade Mark:	Sony	
S/N:	005059ADNVM2	
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),	
Operation Frequency:	All	$f_c = 5000 \text{ MHz} + N * 5 \text{ MHz}$, where: - f_c = "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:	☐ Master ☐ Slave with radar detection ☒ Slave without radar detection	
Sample Type:	☒ Portable Device, ☐ Module	
Antenna Type:	☐ External, ☒ Integrated	
Antenna Ports	☒ Ant 1, ☒ Ant 2, ☐ Ant 3	
Smart System:	☒ SISO (for 802.11a/n/ac), ☒ MIMO (for 802.11a/n/ac), ☐ Diversity (for 802.11a) : Tx & Rx	
Antenna Gain:	0.9dBi(ANT1); -1.3dBi(ANT2);	



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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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Report No.: ZR/2020/C003405
Page: 11 of 855

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

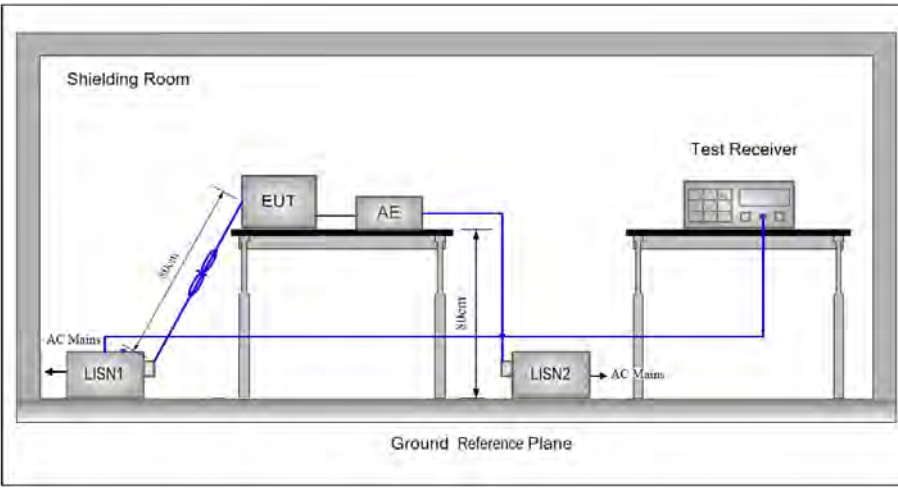
4.1 Antenna Requirement

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.	

4.2 AC Power Line Conducted Emissions

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



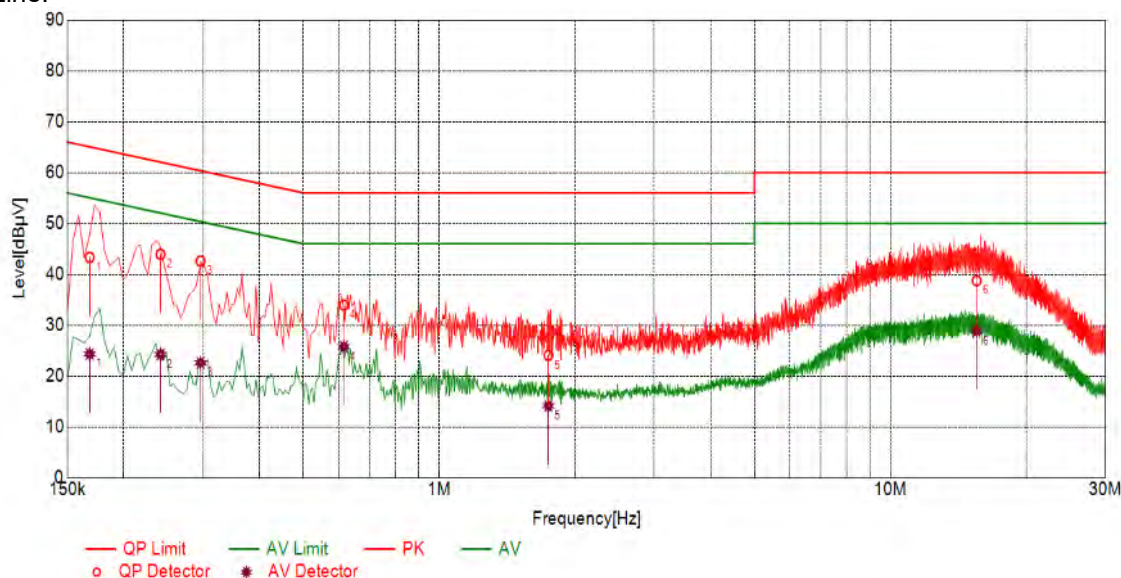
Test Setup:	
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates at lowest, middle and highest channel.
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate of 802.11a at lowest channel is the worst case. Only the worst case is recorded in the report.
Instruments Used:	Refer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



Measurement Data

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

Live Line:



Test Graph

Final Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]
1	0.1682	10.10	43.33	65.05	21.72	24.33	55.05	30.72
2	0.2414	10.10	43.94	62.05	18.11	24.25	52.05	27.80
3	0.2961	10.10	42.61	60.35	17.74	22.62	50.35	27.73
4	0.6150	10.10	33.97	56.00	22.03	25.79	46.00	20.21
5	1.7471	10.10	24.07	56.00	31.93	14.13	46.00	31.87
6	15.5284	10.11	38.74	60.00	21.26	28.90	50.00	21.10



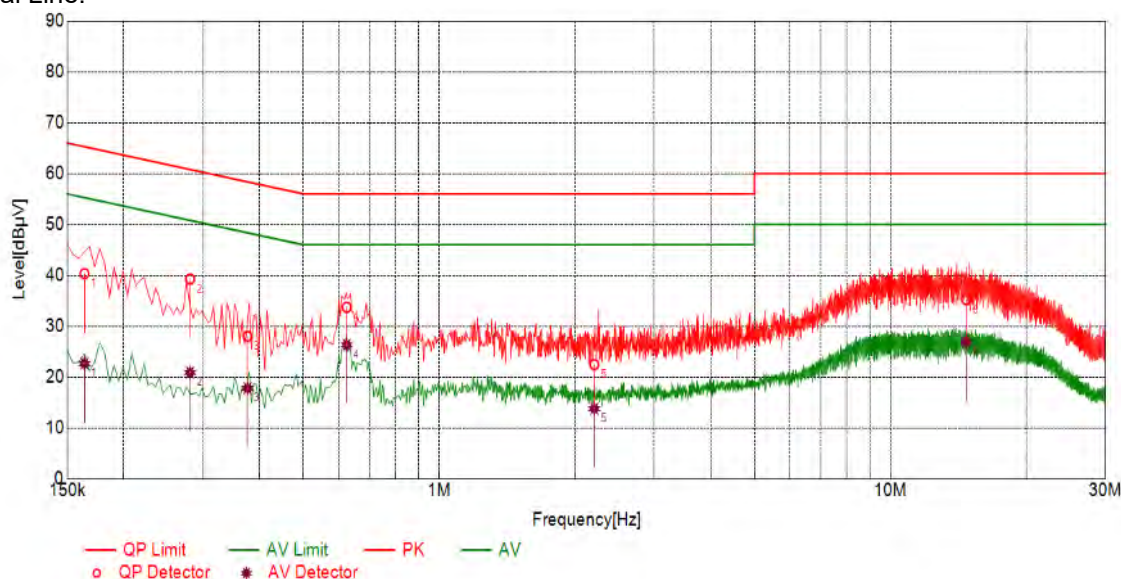
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Neutral Line:



Test Graph

Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]
1	0.1638	10.10	40.32	65.27	24.95	22.66	55.27	32.61
2	0.2807	10.10	39.27	60.80	21.53	20.90	50.80	29.90
3	0.3764	10.10	28.01	58.36	30.35	17.82	48.36	30.54
4	0.6241	10.10	33.73	56.00	22.27	26.35	46.00	19.65
5	2.2077	10.10	22.44	56.00	33.56	13.80	46.00	32.20
6	14.7164	10.11	35.23	60.00	24.77	26.87	50.00	23.13

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.: ZR/2020/C003405

Page: 16 of 855

4.3 Duty Cycle

The detailed test data see: **Appendix**

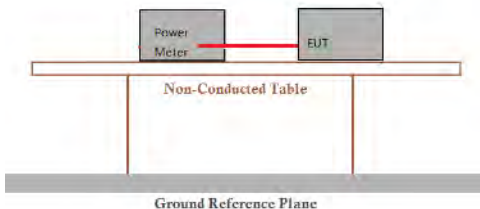


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4.4 Conducted Output Power

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

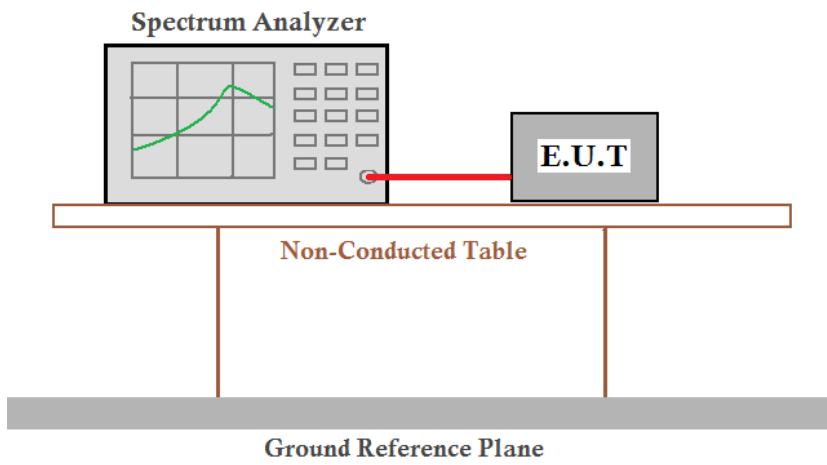
The detailed test data see: **Appendix**



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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**



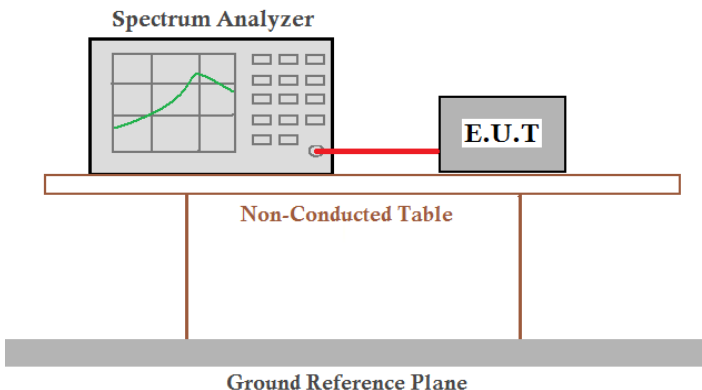
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4.6 6dB Emission Bandwidth

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

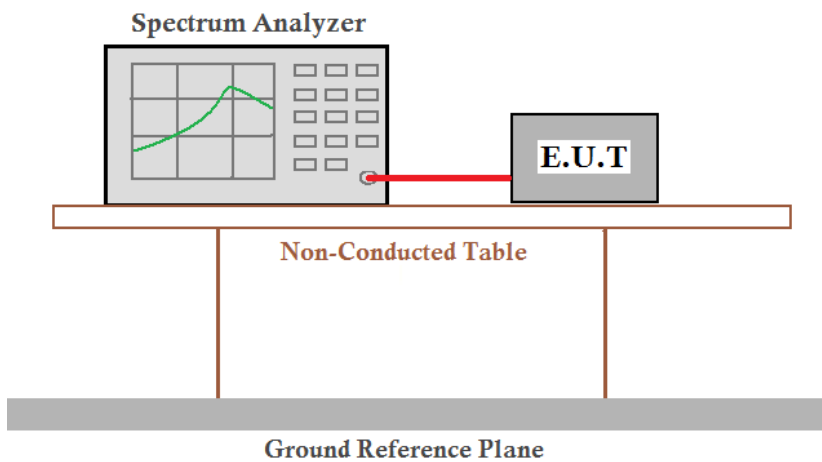
The detailed test data see: **Appendix**



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4.7 99% Occupied Bandwidth

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

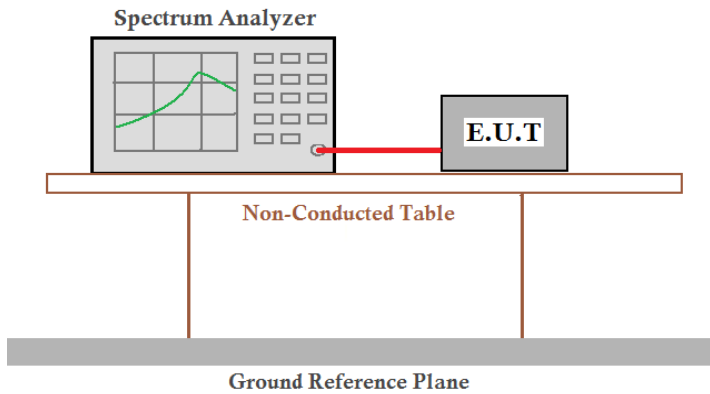
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4.8 Power Spectral Density

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

The detailed test data see: **Appendix**



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4.9 Radiated Spurious Emissions

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

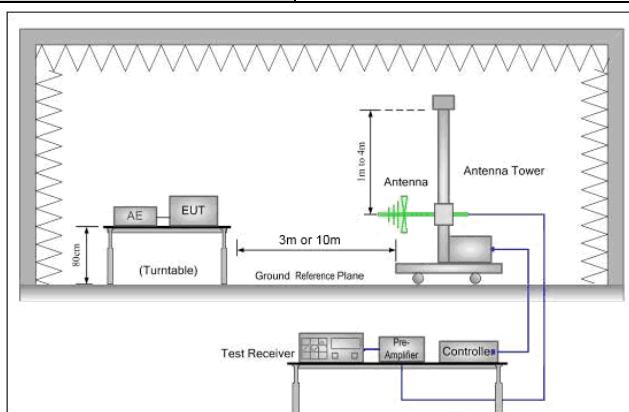


Figure 1. 30MHz to 1GHz

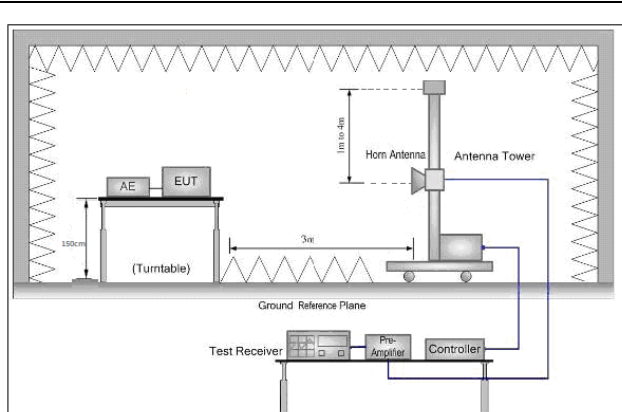


Figure 2. Above 1 GHz

Test Procedure:	- For below 1GHz test, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. - For above 1GHz test, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. - The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. - The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. - For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. - The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. - Test the EUT in the outermost channels. - The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case. - Repeat above procedures until all frequencies measured was complete.
Test Configuration:	Measurements Below 1000MHz - RBW = 120 kHz - VBW = 300 kHz



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Report No.: ZR/2020/C003405

Page: 23 of 855

	• Detector = Peak • Trace mode = max hold Peak Measurements Above 1000 MHz • RBW = 1 MHz • VBW $\geq$ 3 MHz • Detector = Peak • Sweep time = auto • Trace mode = max hold Average Measurements Above 1000MHz • 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:	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). 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 is performed by the Lab B

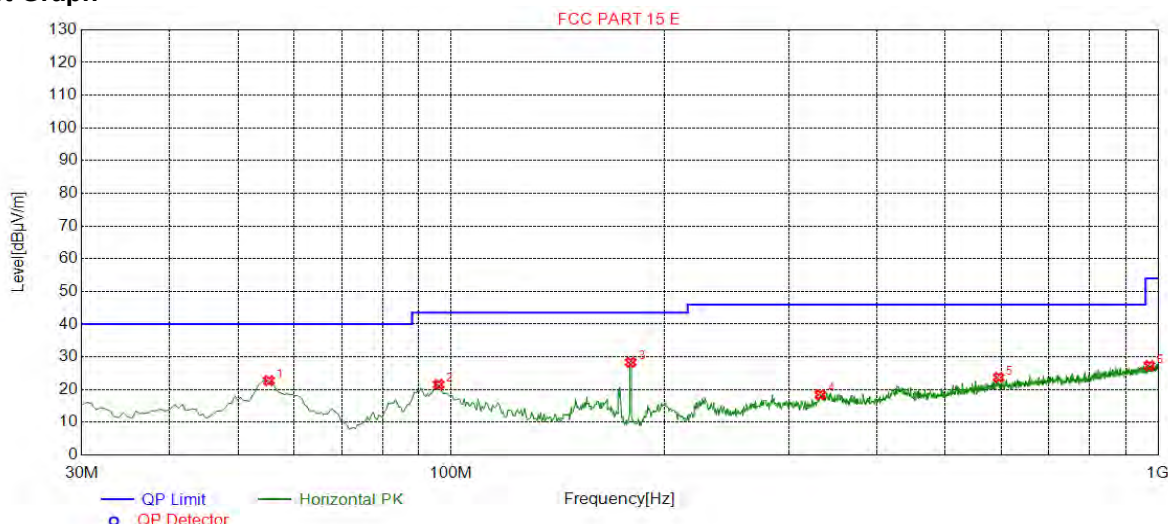


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4.9.1 Radiated emission below 1GHz

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	55.2326	22.73	40.00	17.27	179	212	Horizontal
2	95.9930	21.53	43.50	21.97	150	58	Horizontal
3	179.4547	28.32	43.50	15.18	112	86	Horizontal
4	332.7914	18.44	46.00	27.56	178	108	Horizontal
5	594.8224	23.74	46.00	22.26	203	135	Horizontal
6	972.3412	27.32	54.00	26.68	198	93	Horizontal

Final Data List

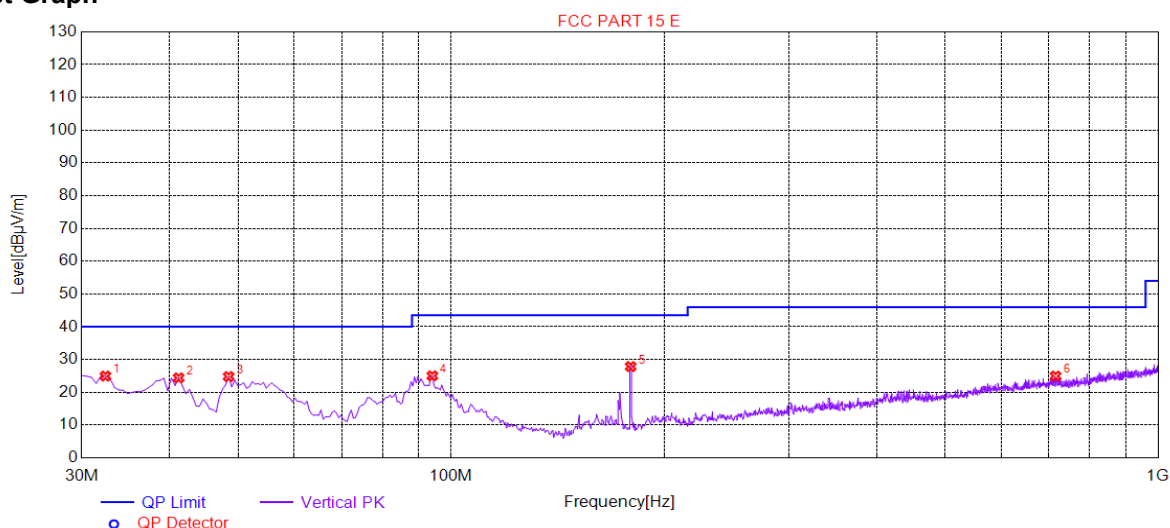
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Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	32.4262	24.96	40.00	15.04	198	110	Vertical
2	41.1606	24.41	40.00	15.59	204	212	Vertical
3	48.4392	24.81	40.00	15.19	214	317	Vertical
4	94.0520	25.04	43.50	18.46	198	80	Vertical
5	179.4547	27.87	43.50	15.63	314	346	Vertical
6	716.1331	24.96	46.00	21.04	189	118	Vertical

Final Data List



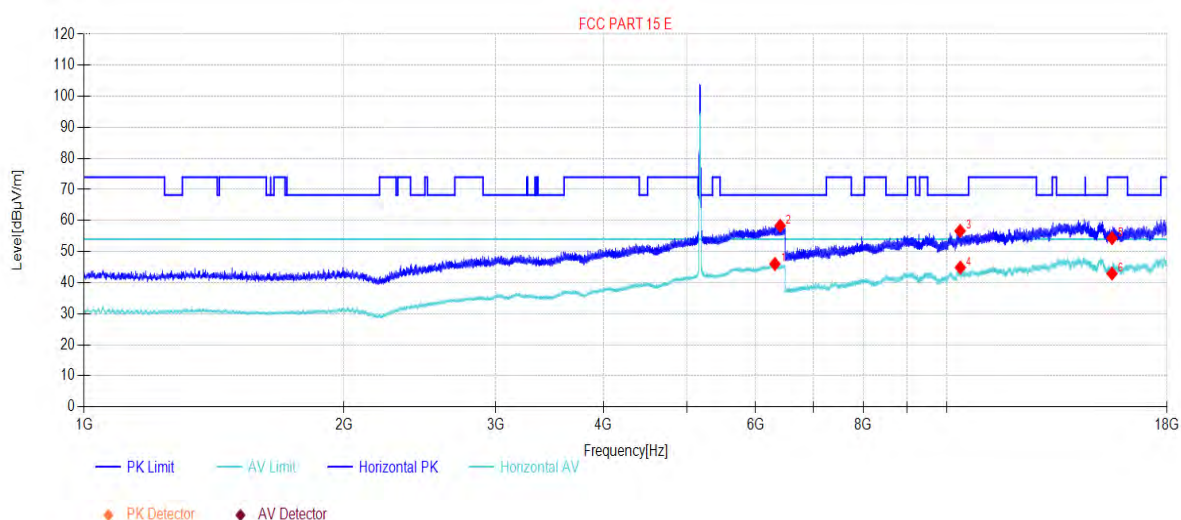
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4.9.2 Transmitter emission above 1GHz

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]	Angle [°]	Polarity
1	6319.58	46.02	18.42	54.00	7.98	144	287	Horizontal
2	6410.52	58.34	18.22	68.20	9.86	201	342	Horizontal
3	10360.4	56.68	2.38	68.20	11.52	188	329	Horizontal
4	10366.9	44.88	2.39	54.00	9.12	189	339	Horizontal
5	15540.0	54.33	5.88	74.00	19.67	241	176	Horizontal
6	15540.0	42.94	5.88	54.00	11.06	142	272	Horizontal

Final Data List



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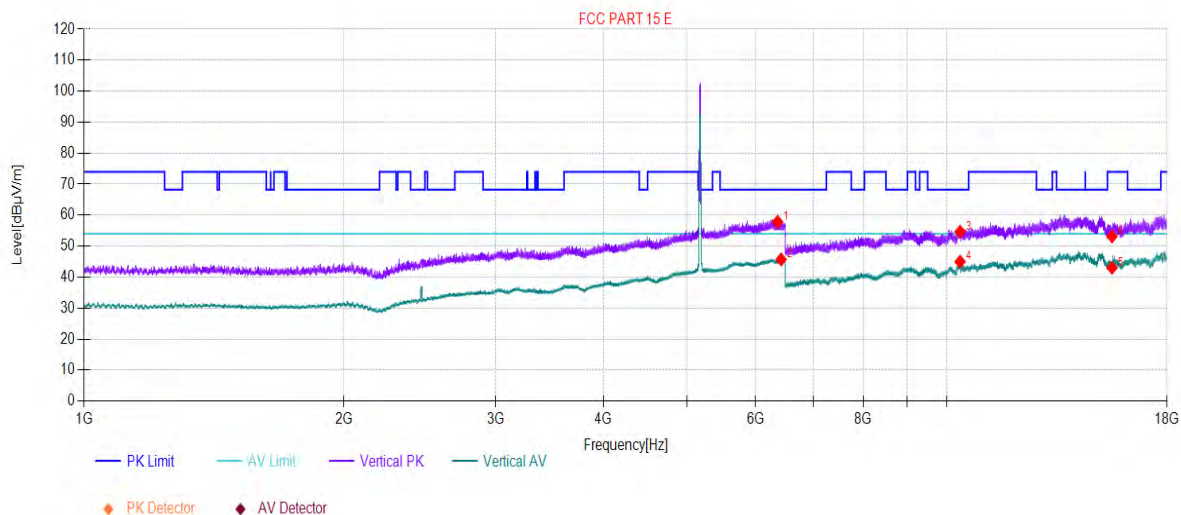
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4.9.2.2 802.11A_Channel 36 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6366.52	57.84	18.27	68.20	10.36	285	166	Vertical
2	6426.29	45.72	18.31	54.00	8.28	245	78	Vertical
3	10360.0	54.66	2.38	68.20	13.54	265	0	Vertical
4	10360.0	44.98	2.38	54.00	9.02	287	319	Vertical
5	15540.0	43.03	5.88	54.00	10.97	289	329	Vertical
6	15540.0	53.12	5.88	74.00	20.88	241	214	Vertical

Final Data List

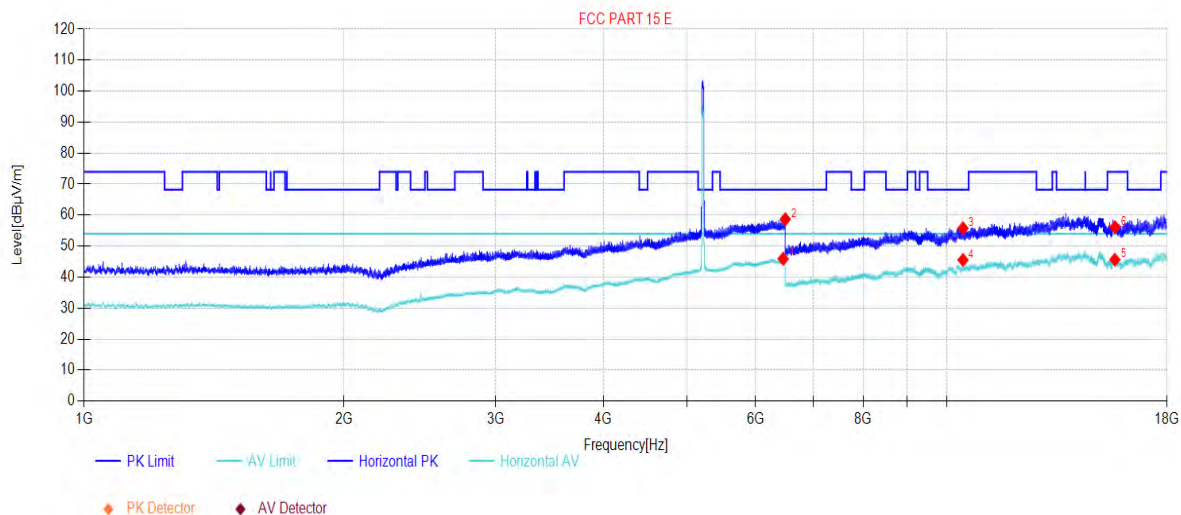


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4.9.2.3 802.11A_Channel 44 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6461.13	45.90	18.50	54.00	8.10	154	195	Horizontal
2	6497.43	58.69	18.70	68.20	9.51	187	353	Horizontal
3	10440.0	55.77	2.46	68.20	12.43	163	0	Horizontal
4	10440.0	45.55	2.46	54.00	8.45	181	4	Horizontal
5	15660.0	45.63	6.12	54.00	8.37	123	291	Horizontal
6	15660.0	56.13	6.12	74.00	17.87	125	61	Horizontal

Final Data List

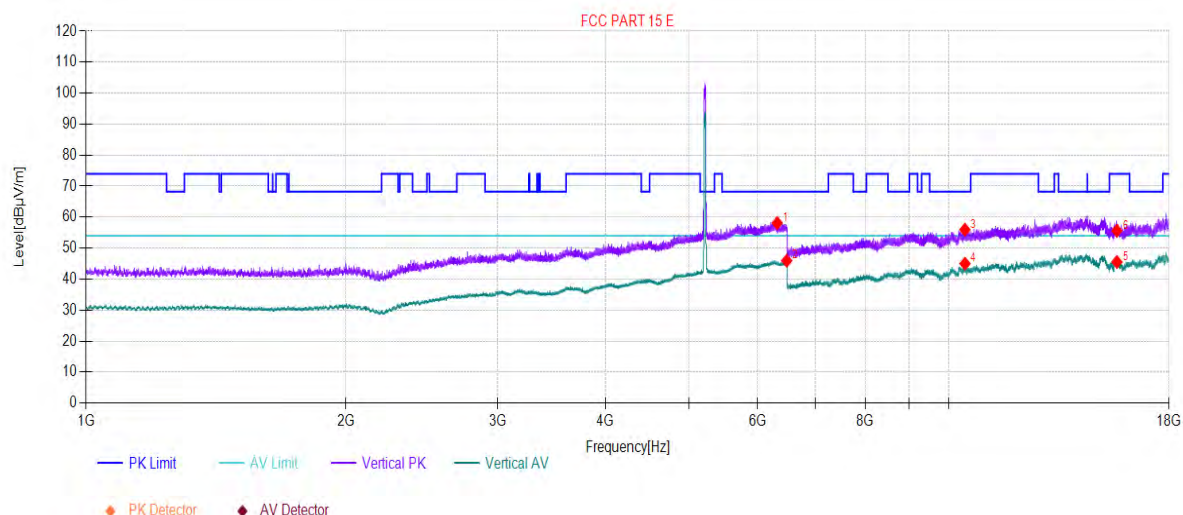


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4.9.2.4 802.11A_Channel 44 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6325.45	58.11	18.40	68.20	10.09	278	112	Vertical
2	6487.89	45.92	18.65	54.00	8.08	264	146	Vertical
3	10440.0	55.95	2.46	68.20	12.25	243	357	Vertical
4	10440.0	45.00	2.46	54.00	9.00	245	319	Vertical
5	15660.0	45.53	6.12	54.00	8.47	210	100	Vertical
6	15660.0	55.64	6.12	74.00	18.36	312	291	Vertical

Final Data List

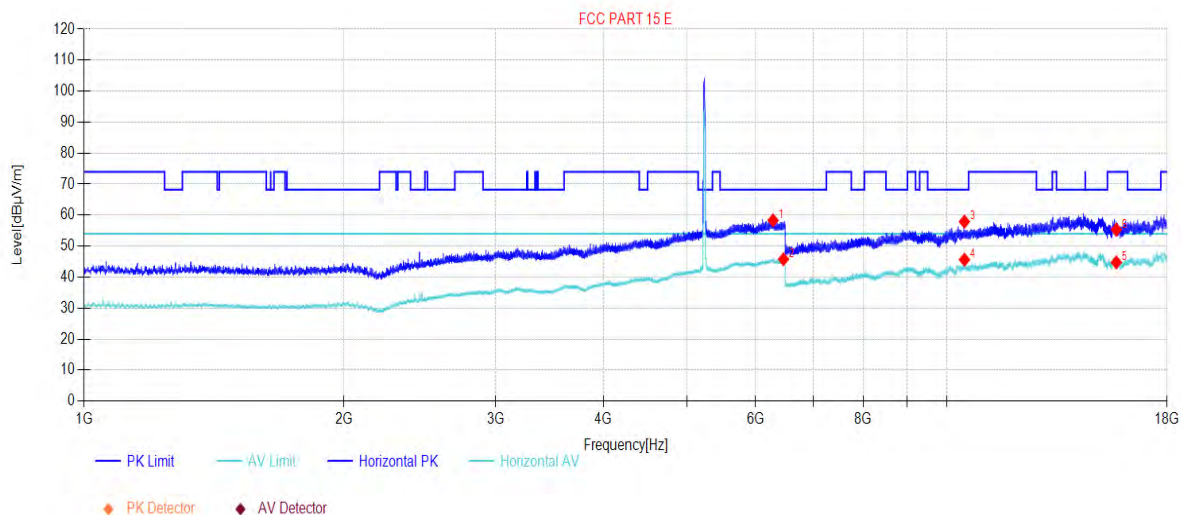


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4.9.2.5 802.11A_Channel 48 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6288.78	58.33	18.43	68.20	9.87	157	104	Horizontal
2	6465.89	45.79	18.53	54.00	8.21	162	184	Horizontal
3	10480.9	57.92	2.49	68.20	10.28	138	3	Horizontal
4	10481.9	45.65	2.49	54.00	8.35	189	12	Horizontal
5	15720.0	44.74	5.92	54.00	9.26	247	60	Horizontal
6	15720.0	55.31	5.92	74.00	18.69	268	281	Horizontal

Final Data List

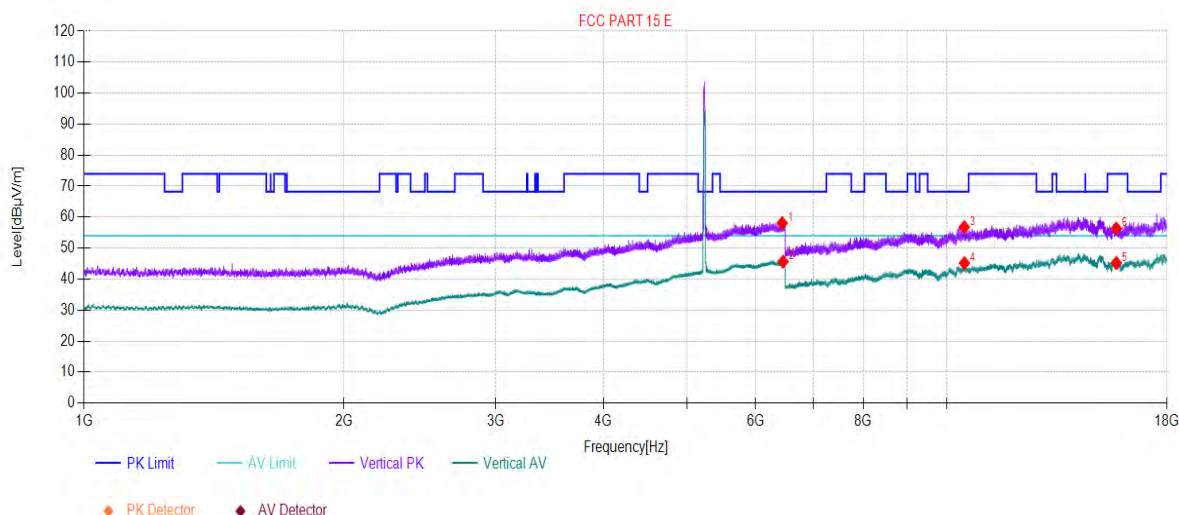


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4.9.2.6 802.11A_Channel 48 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6443.89	58.09	18.40	68.20	10.11	274	289	Vertical
2	6458.93	45.67	18.49	54.00	8.33	263	9	Vertical
3	10477.3	56.78	2.49	68.20	11.42	248	338	Vertical
4	10480.0	45.15	2.49	54.00	8.85	291	0	Vertical
5	15720.0	45.21	5.92	54.00	8.79	250	80	Vertical
6	15720.0	56.34	5.92	74.00	17.66	241	166	Vertical

Final Data List

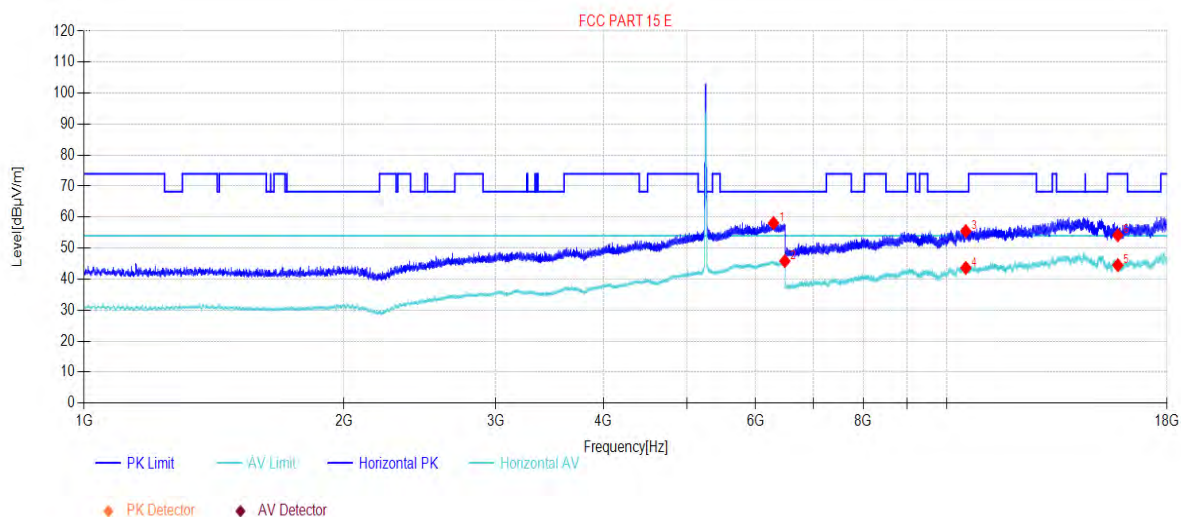


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4.9.2.7 802.11A_Channel 52 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6296.85	58.12	18.47	68.20	10.08	147	324	Horizontal
2	6490.09	45.81	18.66	54.00	8.19	285	255	Horizontal
3	10520.0	55.50	2.45	68.20	12.70	204	2	Horizontal
4	10520.0	43.63	2.45	54.00	10.37	198	357	Horizontal
5	15780.0	44.50	5.30	54.00	9.50	162	166	Horizontal
6	15780.0	54.14	5.30	74.00	19.86	149	176	Horizontal

Final Data List



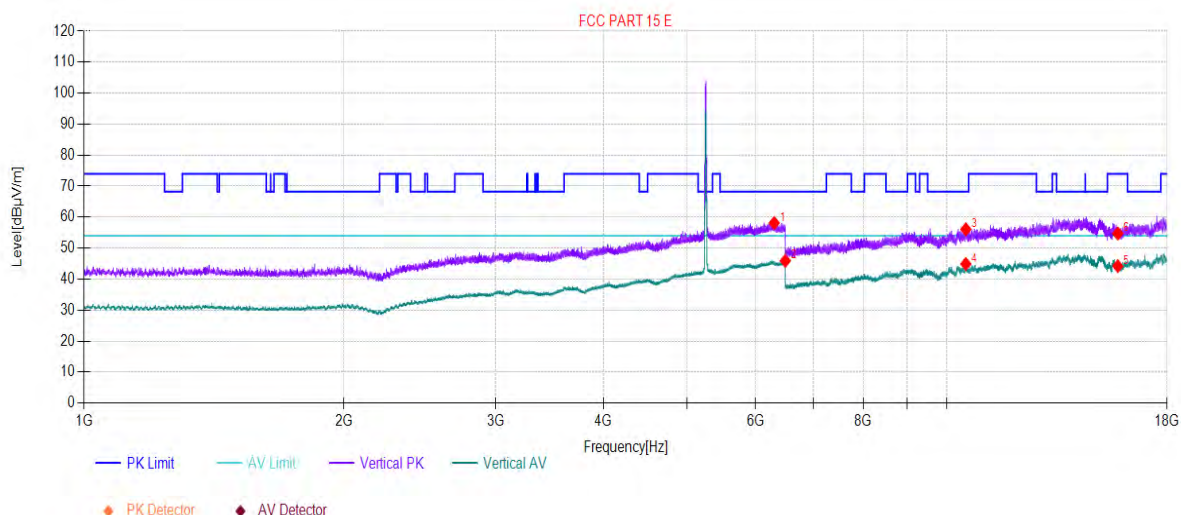
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4.9.2.8 802.11A_Channel 52 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6308.22	58.11	18.46	68.20	10.09	287	180	Vertical
2	6497.79	45.90	18.70	54.00	8.10	285	153	Vertical
3	10520.0	56.11	2.45	68.20	12.09	245	328	Vertical
4	10520.0	44.89	2.45	54.00	9.11	266	357	Vertical
5	15780.0	44.22	5.30	54.00	9.78	234	97	Vertical
6	15780.0	54.72	5.30	74.00	19.28	222	40	Vertical

Final Data List

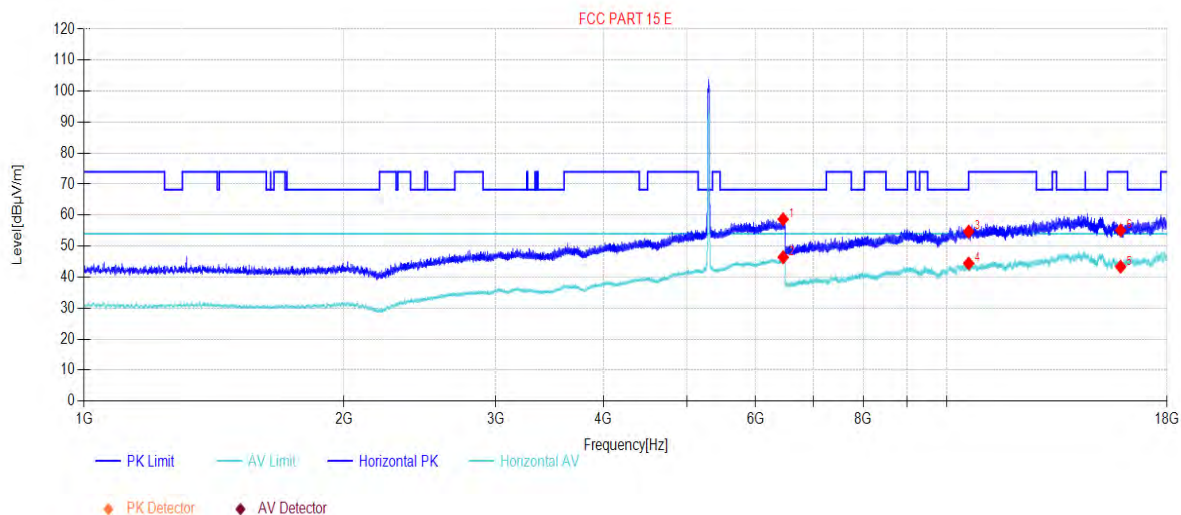


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4.9.2.9 802.11A_Channel 60 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6460.03	58.70	18.49	68.20	9.50	187	138	Horizontal
2	6461.13	46.41	18.50	54.00	7.59	154	226	Horizontal
3	10600.0	54.73	2.23	74.00	19.27	162	348	Horizontal
4	10600.0	44.43	2.23	54.00	9.57	121	4	Horizontal
5	15900.0	43.35	5.29	54.00	10.65	143	0	Horizontal
6	15900.0	55.09	5.29	74.00	18.91	179	156	Horizontal

Final Data List



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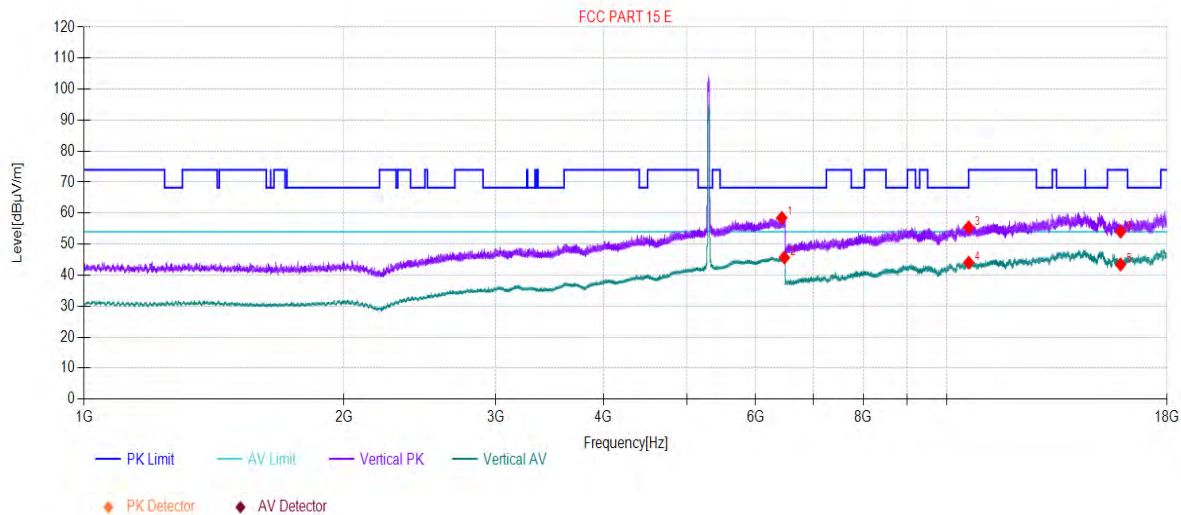
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4.9.2.10 802.11A_Channel 60 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6438.02	58.48	18.37	68.20	9.72	271	213	Vertical
2	6481.66	45.67	18.61	54.00	8.33	241	193	Vertical
3	10600.0	55.40	2.23	74.00	18.60	265	89	Vertical
4	10600.0	44.04	2.23	54.00	9.96	283	3	Vertical
5	15900.0	43.44	5.29	54.00	10.56	304	156	Vertical
6	15900.0	54.03	5.29	74.00	19.97	213	290	Vertical

Final Data List

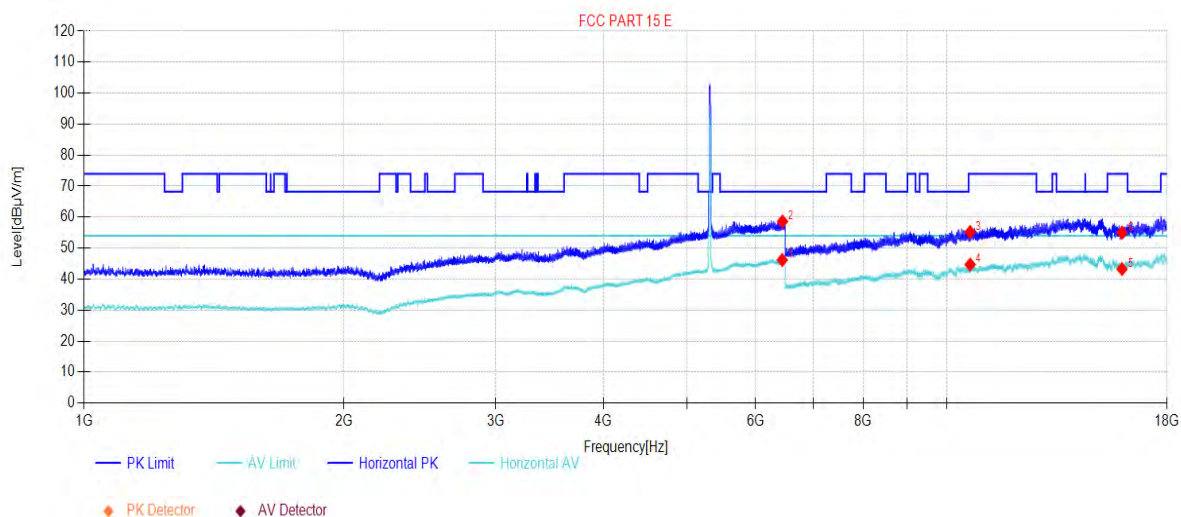


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4.9.2.11 802.11A_Channel 64 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6444.99	46.18	18.41	54.00	7.82	187	343	Horizontal
2	6449.02	58.62	18.43	68.20	9.58	145	214	Horizontal
3	10640.0	55.19	2.22	74.00	18.81	162	357	Horizontal
4	10640.0	44.70	2.22	54.00	9.30	174	0	Horizontal
5	15960.0	43.27	5.01	54.00	10.73	142	300	Horizontal
6	15960.0	55.01	5.01	74.00	18.99	241	281	Horizontal

Final Data List

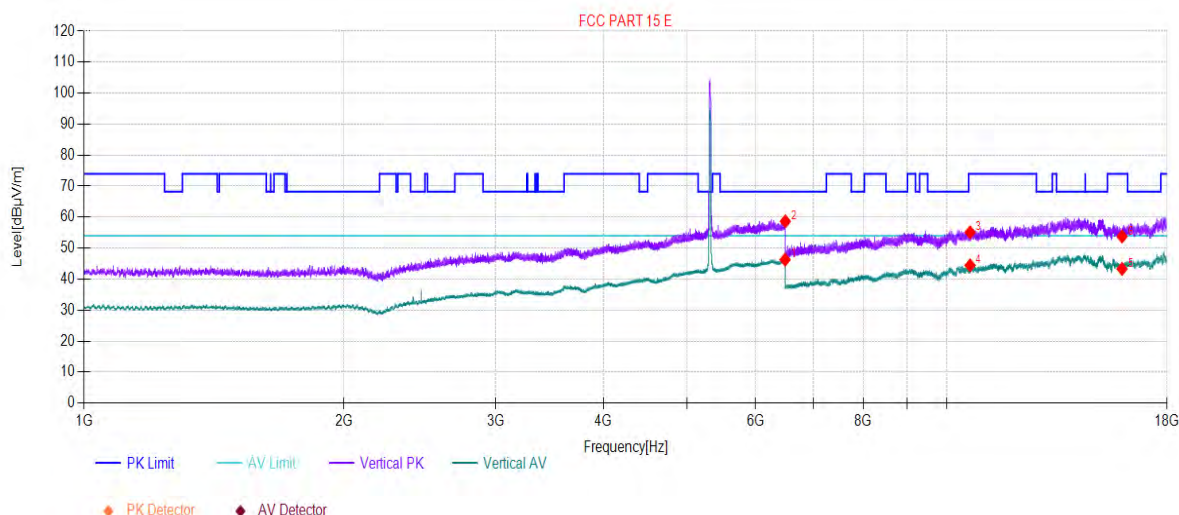


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4.9.2.12 802.11A_Channel 64 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6494.49	46.27	18.68	54.00	7.73	245	173	Vertical
2	6498.89	58.64	18.71	68.20	9.56	274	64	Vertical
3	10640.0	55.10	2.22	74.00	18.90	268	3	Vertical
4	10640.0	44.46	2.22	54.00	9.54	241	357	Vertical
5	15960.0	43.30	5.01	54.00	10.70	233	309	Vertical
6	15960.0	53.75	5.01	74.00	20.25	242	252	Vertical

Final Data List

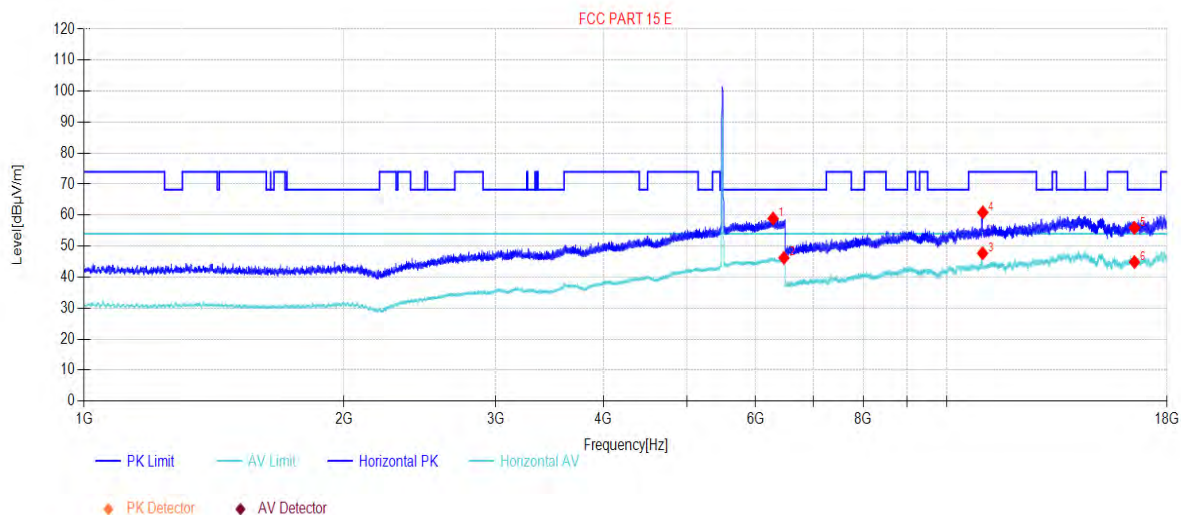


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4.9.2.13 802.11A_Channel 100 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6289.88	58.91	18.44	68.20	9.29	148	207	Horizontal
2	6473.59	46.22	18.57	54.00	7.78	165	180	Horizontal
3	11000.8	47.71	2.74	54.00	6.29	154	32	Horizontal
4	11009.1	60.89	2.72	74.00	13.11	174	22	Horizontal
5	16500.0	55.89	5.09	68.20	12.31	132	329	Horizontal
6	16500.0	44.88	5.09	54.00	9.12	157	109	Horizontal

Final Data List



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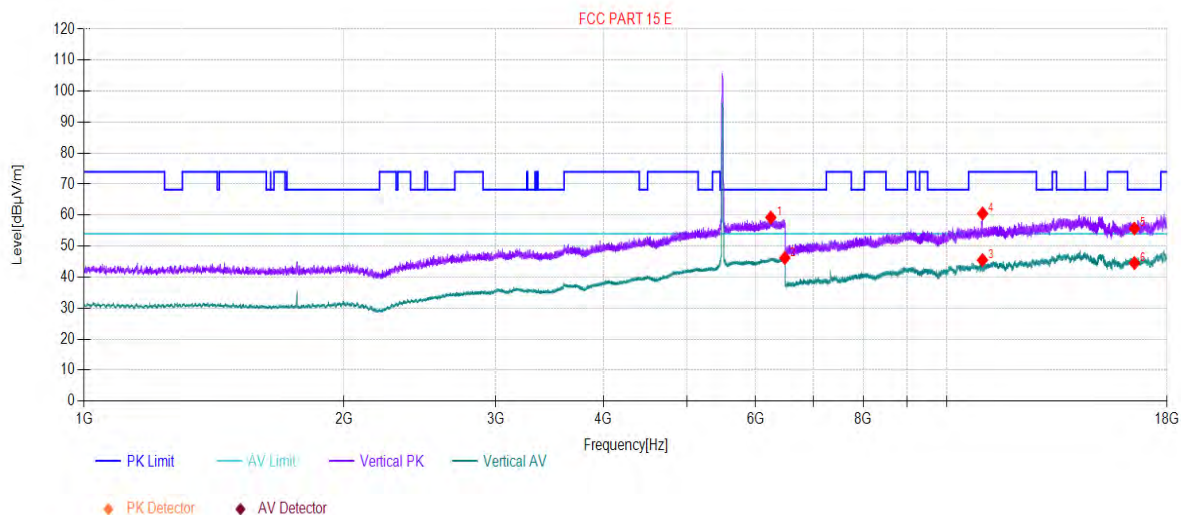
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4.9.2.14 802.11A_Channel 100 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6251.38	59.25	18.25	68.20	8.95	245	346	Vertical
2	6490.09	46.20	18.66	54.00	7.80	214	257	Vertical
3	10997.5	45.52	2.73	54.00	8.48	278	12	Vertical
4	11000.8	60.52	2.74	74.00	13.48	238	2	Vertical
5	16500.0	55.68	5.09	68.20	12.52	278	318	Vertical
6	16500.0	44.54	5.09	54.00	9.46	241	137	Vertical

Final Data List

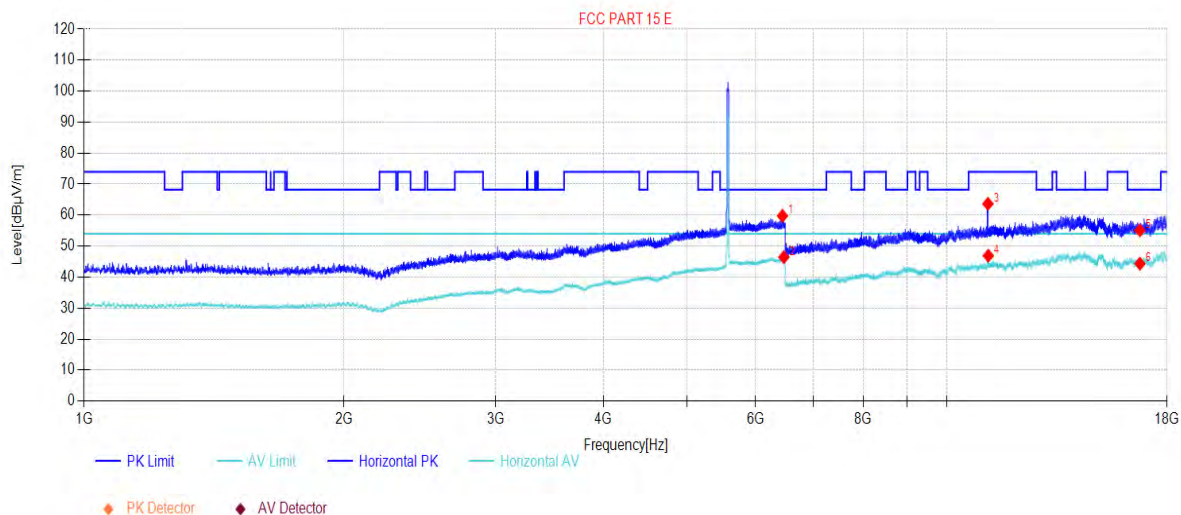


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4.9.2.15 802.11A_Channel 116 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6449.02	59.78	18.43	68.20	8.42	175	342	Horizontal
2	6472.49	46.45	18.56	54.00	7.55	124	153	Horizontal
3	11159.0	63.66	2.54	74.00	10.34	168	9	Horizontal
4	11169.1	46.91	2.55	54.00	7.09	178	18	Horizontal
5	16740.0	55.08	5.53	68.20	13.12	135	1	Horizontal
6	16740.0	44.34	5.53	54.00	9.66	171	192	Horizontal

Final Data List

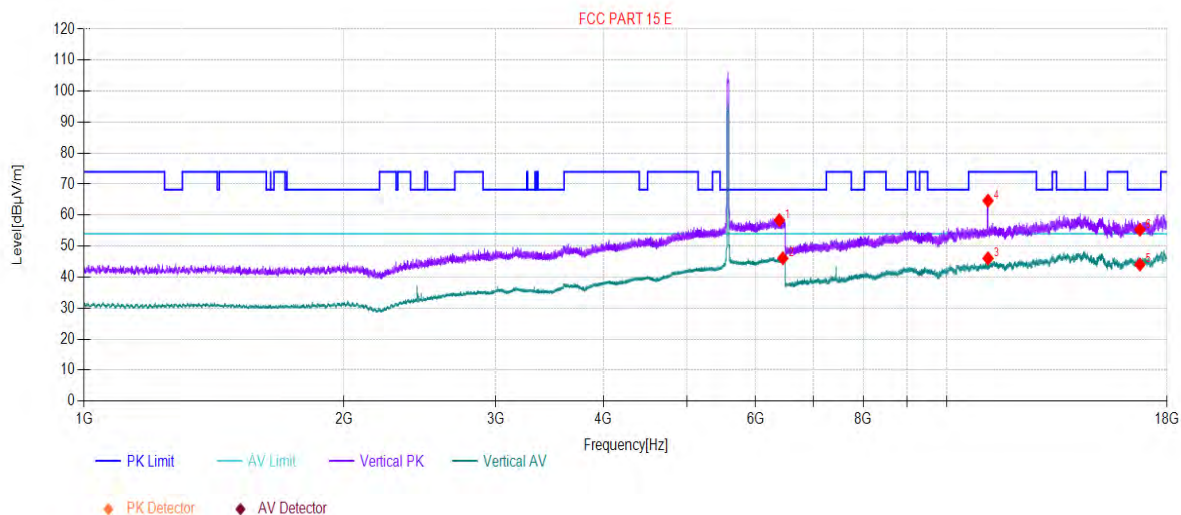


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4.9.2.16 802.11A_Channel 116 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6396.59	58.40	18.17	68.20	9.80	278	132	Vertical
2	6454.89	46.08	18.46	54.00	7.92	245	49	Vertical
3	11160.4	46.07	2.54	54.00	7.93	264	22	Vertical
4	11160.9	64.67	2.54	74.00	9.33	235	12	Vertical
5	16740.0	44.07	5.53	54.00	9.93	288	32	Vertical
6	16740.0	55.29	5.53	68.20	12.91	295	299	Vertical

Final Data List

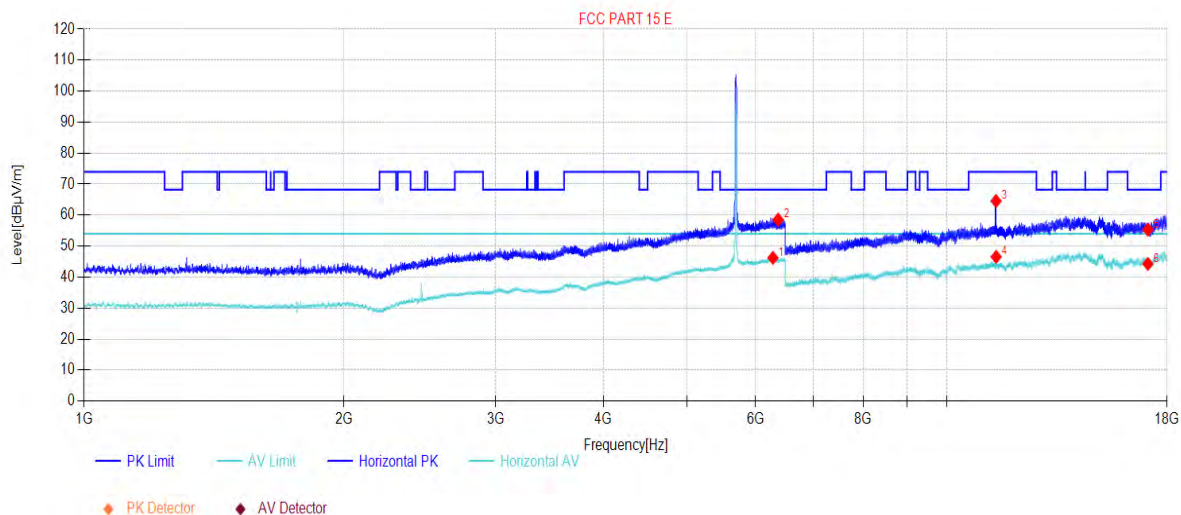


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4.9.2.17 802.11A_Channel 140 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6287.68	46.21	18.43	54.00	7.79	187	57	Horizontal
2	6375.32	58.53	18.24	68.20	9.67	154	360	Horizontal
3	11402.4	64.58	2.52	74.00	9.42	210	16	Horizontal
4	11405.6	46.55	2.51	54.00	7.45	171	25	Horizontal
5	17100.0	55.32	5.72	68.20	12.88	139	330	Horizontal
6	17100.0	44.30	5.72	54.00	9.70	135	188	Horizontal

Final Data List

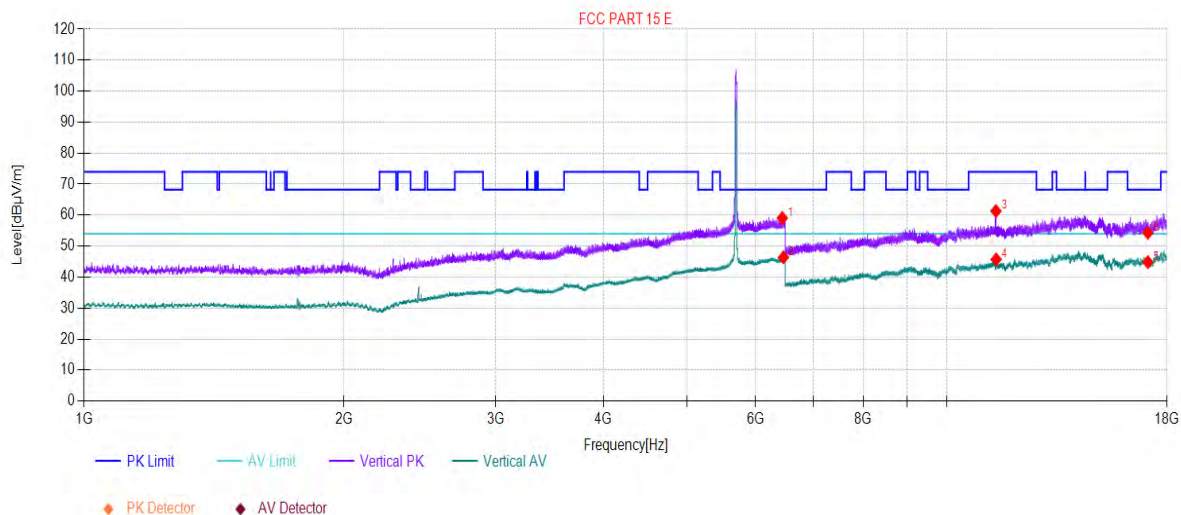


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4.9.2.18 802.11A_Channel 140 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6446.09	59.08	18.42	68.20	9.12	245	266	Vertical
2	6465.53	46.38	18.52	54.00	7.62	241	22	Vertical
3	11400.5	61.33	2.53	74.00	12.67	304	13	Vertical
4	11406.0	45.73	2.51	54.00	8.27	290	42	Vertical
5	17100.0	44.82	5.72	54.00	9.18	271	243	Vertical
6	17100.0	54.32	5.72	68.20	13.88	249	243	Vertical

Final Data List

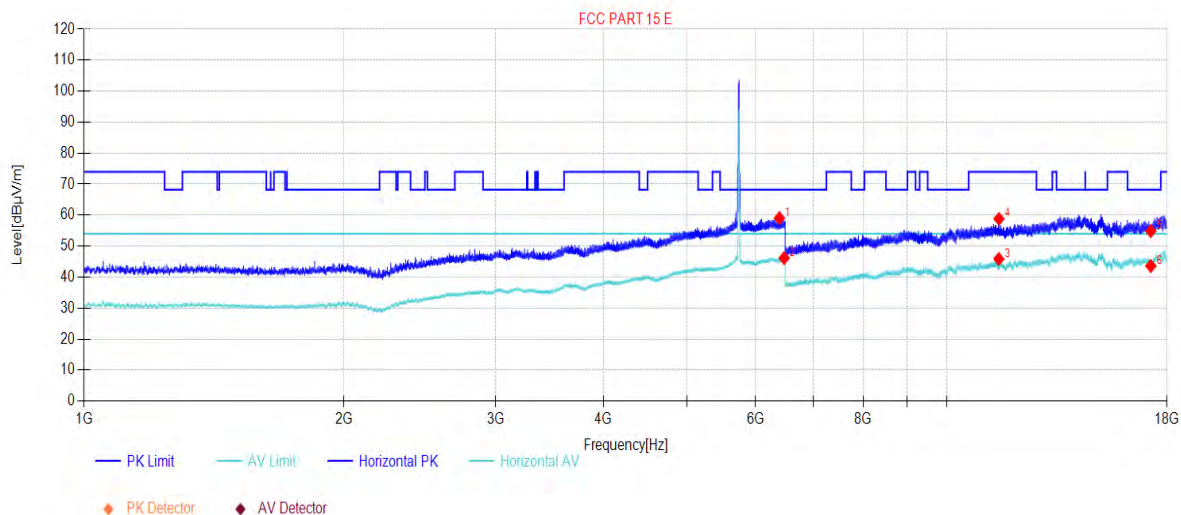


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4.9.2.19 802.11A_Channel 149 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6396.22	59.05	18.17	68.20	9.15	154	187	Horizontal
2	6476.53	46.14	18.58	54.00	7.86	123	91	Horizontal
3	11487.9	45.86	2.11	54.00	8.14	166	22	Horizontal
4	11492.5	58.80	2.09	74.00	15.20	174	12	Horizontal
5	17235.0	54.87	6.10	68.20	13.33	182	127	Horizontal
6	17235.0	43.62	6.10	54.00	10.38	142	174	Horizontal

Final Data List

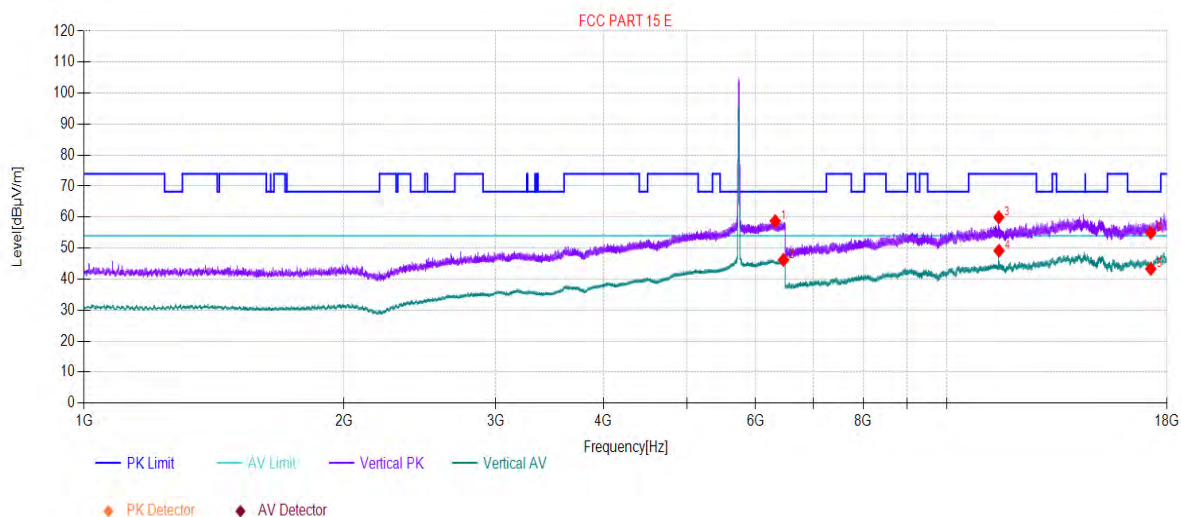


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4.9.2.20 802.11A_Channel 149 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6325.45	58.73	18.40	68.20	9.47	245	360	Vertical
2	6465.16	46.21	18.52	54.00	7.79	265	36	Vertical
3	11486.1	59.96	2.12	74.00	14.04	248	3	Vertical
4	11492.5	49.17	2.09	54.00	4.83	280	13	Vertical
5	17235.0	43.31	6.10	54.00	10.69	231	80	Vertical
6	17235.0	54.95	6.10	68.20	13.25	289	147	Vertical

Final Data List

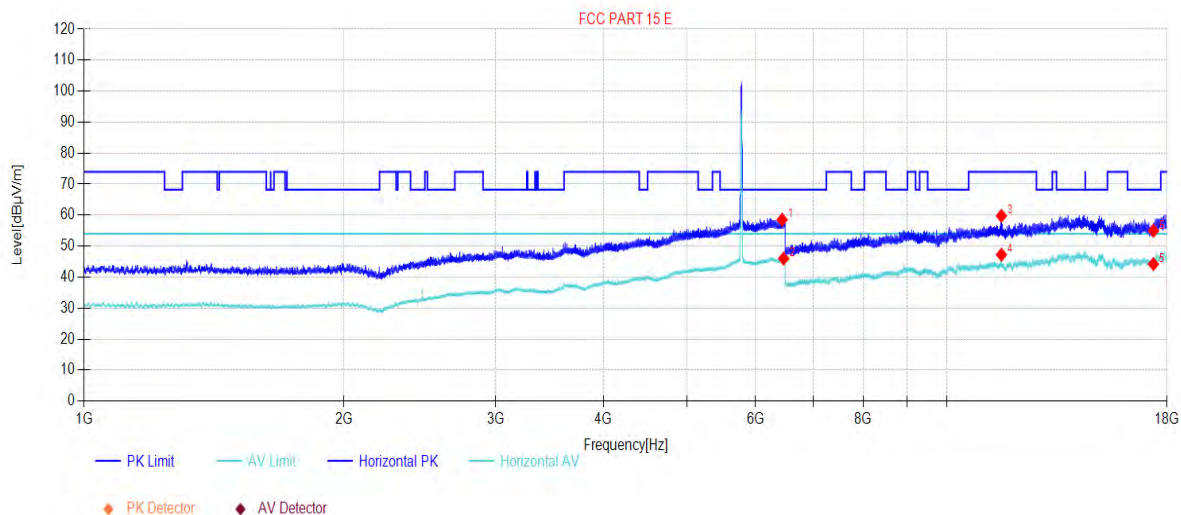


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4.9.2.21 802.11A_Channel 157 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6443.89	58.54	18.40	68.20	9.66	145	193	Horizontal
2	6468.09	46.00	18.54	54.00	8.00	121	9	Horizontal
3	11568.0	59.78	2.89	74.00	14.22	174	347	Horizontal
4	11569.8	47.25	2.91	54.00	6.75	182	30	Horizontal
5	17355.0	44.23	6.75	54.00	9.77	190	252	Horizontal
6	17355.0	54.98	6.75	68.20	13.22	151	357	Horizontal

Final Data List



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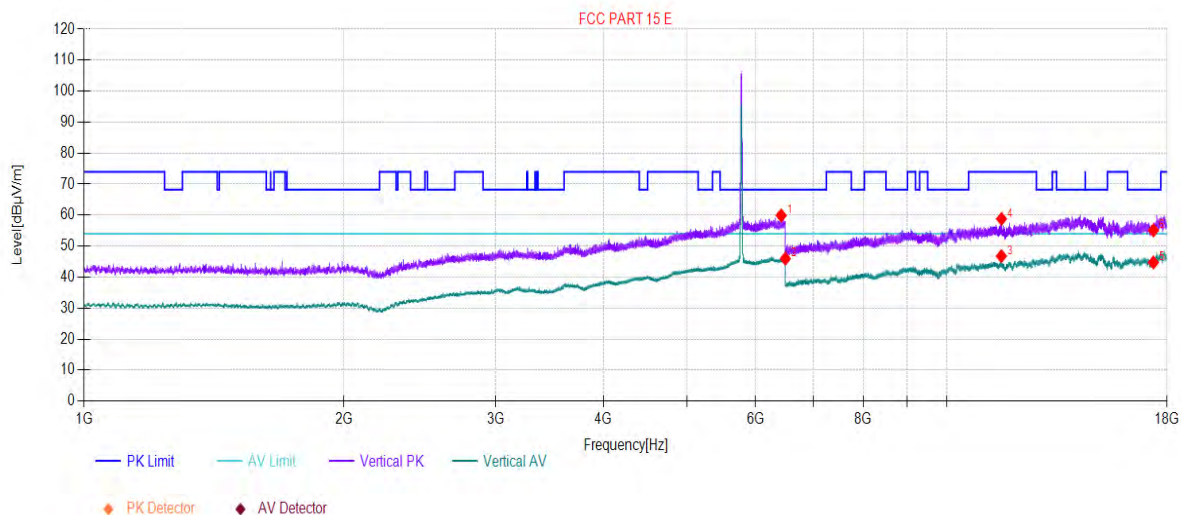
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Shenzhen Branch Laboratory

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4.9.2.22 802.11A_Channel 157 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6426.66	59.92	18.31	68.20	8.28	287	89	Vertical
2	6499.26	45.97	18.71	54.00	8.03	245	9	Vertical
3	11567.5	46.78	2.88	54.00	7.22	231	14	Vertical
4	11570.7	58.78	2.92	74.00	15.22	278	33	Vertical
5	17355.0	44.74	6.75	54.00	9.26	264	119	Vertical
6	17355.0	55.09	6.75	68.20	13.11	241	158	Vertical

Final Data List

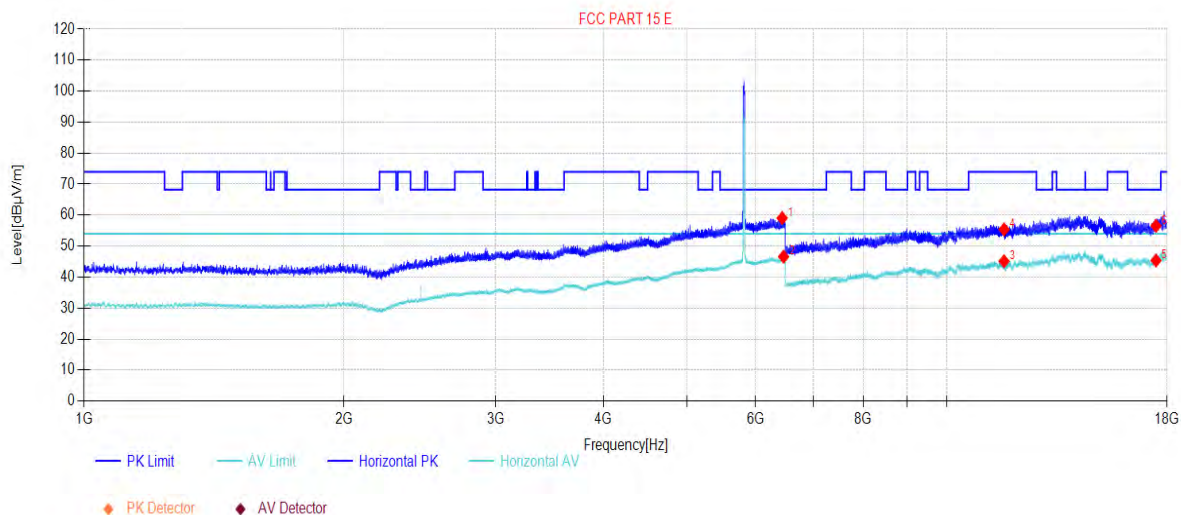


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4.9.2.23 802.11A_Channel 165 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6444.26	59.06	18.41	68.20	9.14	174	164	Horizontal
2	6468.09	46.60	18.54	54.00	7.40	152	260	Horizontal
3	11650.0	45.12	2.58	54.00	8.88	142	300	Horizontal
4	11650.0	55.39	2.58	74.00	18.61	132	339	Horizontal
5	17475.0	45.37	7.42	54.00	8.63	178	262	Horizontal
6	17475.0	56.53	7.42	68.20	11.67	208	204	Horizontal

Final Data List

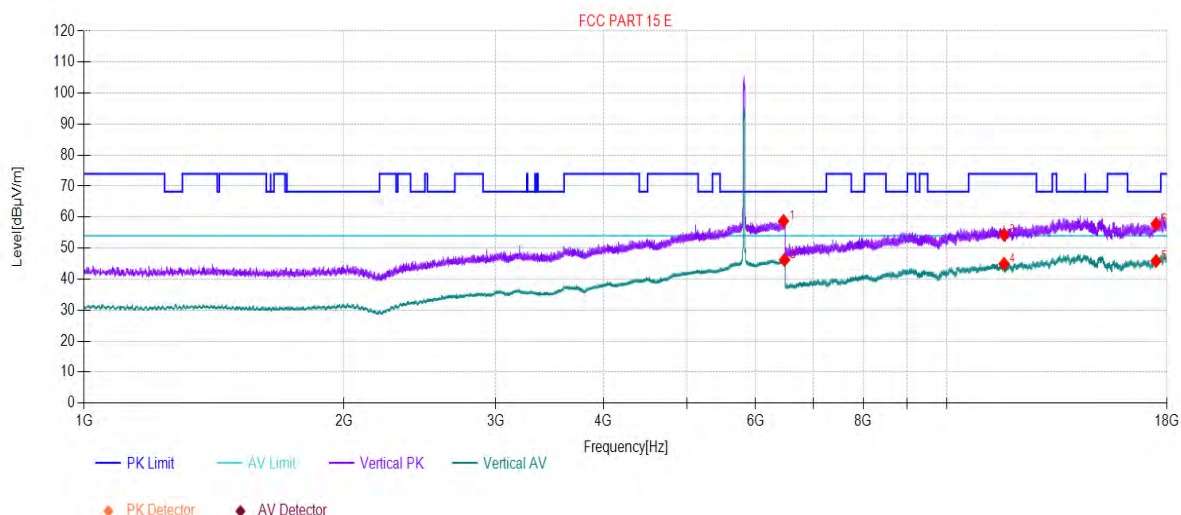


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4.9.2.24 802.11A_Channel 165 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6466.63	58.75	18.53	68.20	9.45	278	315	Vertical
2	6482.76	46.21	18.62	54.00	7.79	296	214	Vertical
3	11650.0	54.33	2.58	74.00	19.67	241	32	Vertical
4	11650.0	44.95	2.58	54.00	9.05	252	21	Vertical
5	17475.0	45.83	7.42	54.00	8.17	213	329	Vertical
6	17475.0	57.78	7.42	68.20	10.42	247	146	Vertical

Final Data List

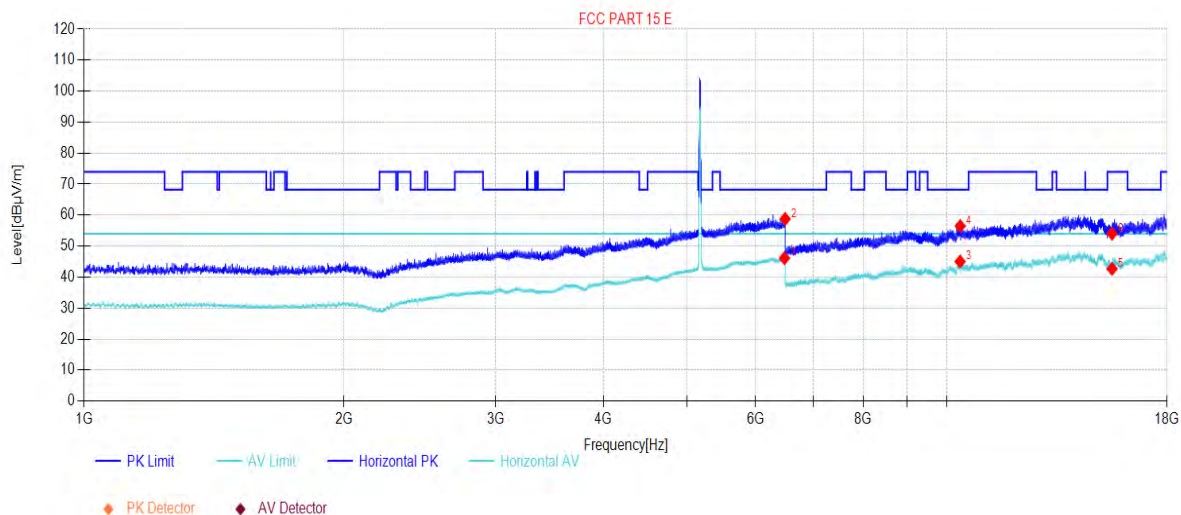


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4.9.2.25 802.11N20_Channel 36 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6482.39	46.13	18.62	54.00	7.87	120	254	Horizontal
2	6494.86	58.77	18.69	68.20	9.43	154	50	Horizontal
3	10360.0	45.02	2.38	54.00	8.98	132	6	Horizontal
4	10364.1	56.49	2.39	68.20	11.71	182	339	Horizontal
5	15540.0	42.70	5.88	54.00	11.30	170	225	Horizontal
6	15540.0	54.04	5.88	74.00	19.96	165	35	Horizontal

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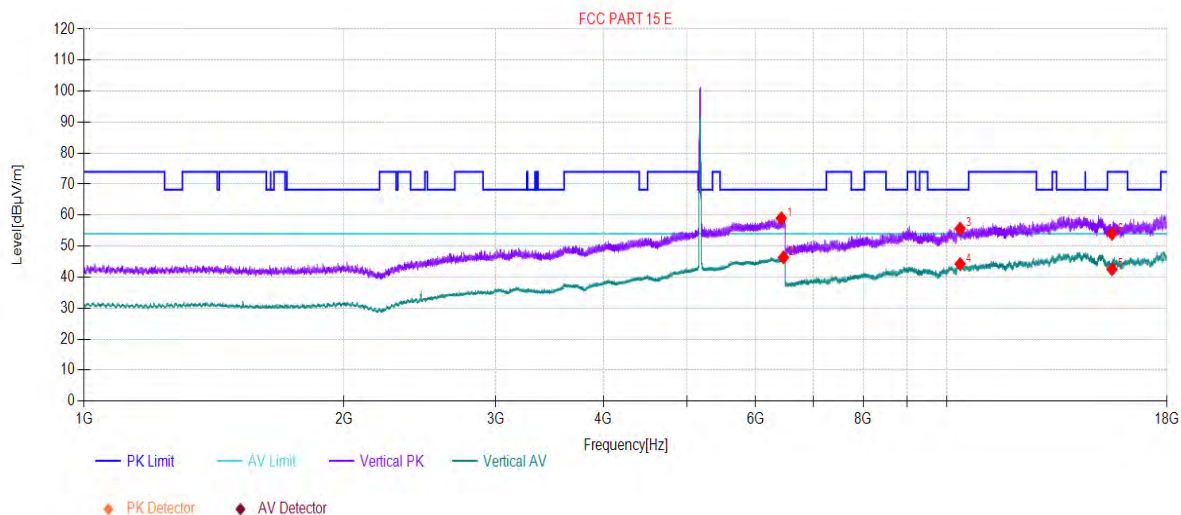
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4.9.2.26 802.11N20_Channel 36 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6428.49	59.01	18.32	68.20	9.19	241	105	Vertical
2	6465.53	46.37	18.52	54.00	7.63	265	65	Vertical
3	10360.0	55.66	2.38	68.20	12.54	278	300	Vertical
4	10360.0	44.25	2.38	54.00	9.75	271	357	Vertical
5	15540.0	42.55	5.88	54.00	11.45	249	310	Vertical
6	15540.0	54.01	5.88	74.00	19.99	245	89	Vertical

Final Data List

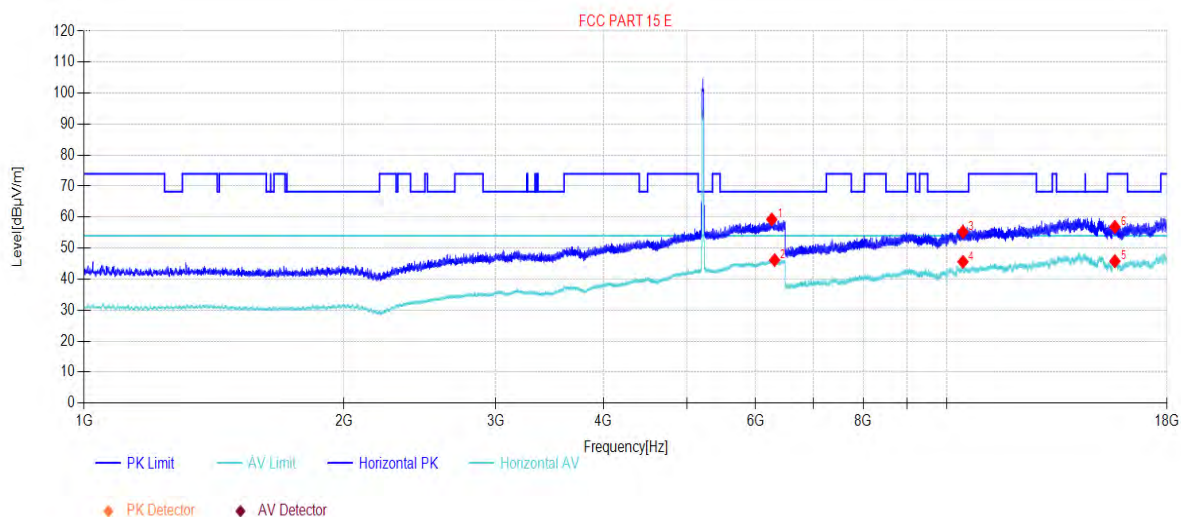


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4.9.2.27 802.11N20_Channel 44 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6267.88	59.28	18.33	68.20	8.92	175	335	Horizontal
2	6314.82	46.15	18.44	54.00	7.85	241	281	Horizontal
3	10440.0	55.26	2.46	68.20	12.94	146	281	Horizontal
4	10440.0	45.58	2.46	54.00	8.42	192	0	Horizontal
5	15660.0	45.78	6.12	54.00	8.22	140	300	Horizontal
6	15660.0	56.87	6.12	74.00	17.13	167	176	Horizontal

Final Data List

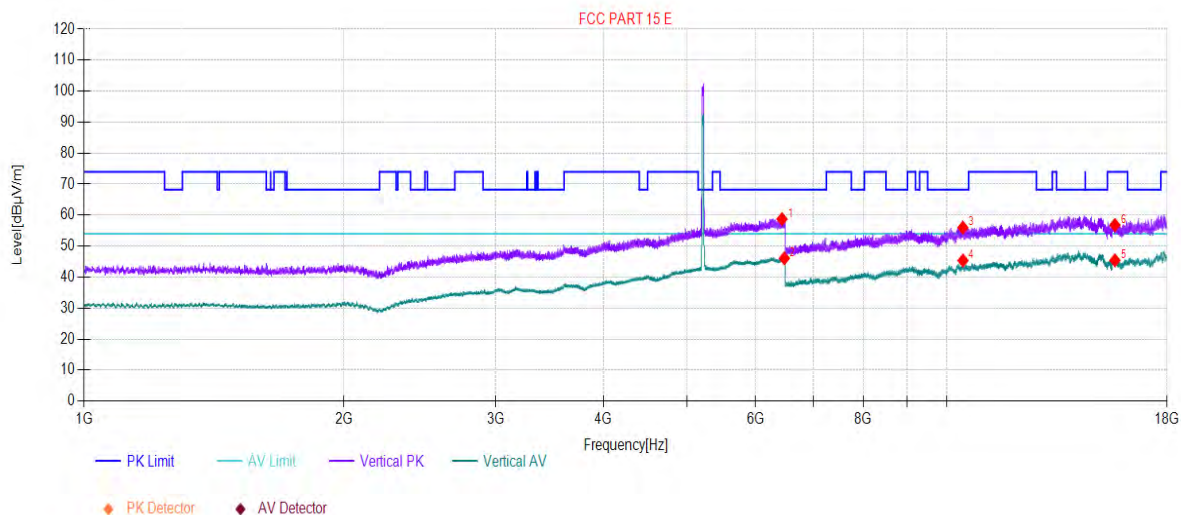


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4.9.2.28 802.11N20_Channel 44 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
3	10440.0	55.96	2.46	68.20	12.24	264	348	Vertical
6	15660.0	56.81	6.12	74.00	17.19	245	214	Vertical
4	10440.0	45.36	2.46	54.00	8.64	291	319	Vertical
5	15660.0	45.41	6.12	54.00	8.59	241	52	Vertical
2	6479.83	46.08	18.60	54.00	7.92	273	29	Vertical
1	6441.69	58.73	18.39	68.20	9.47	254	126	Vertical

Final Data List

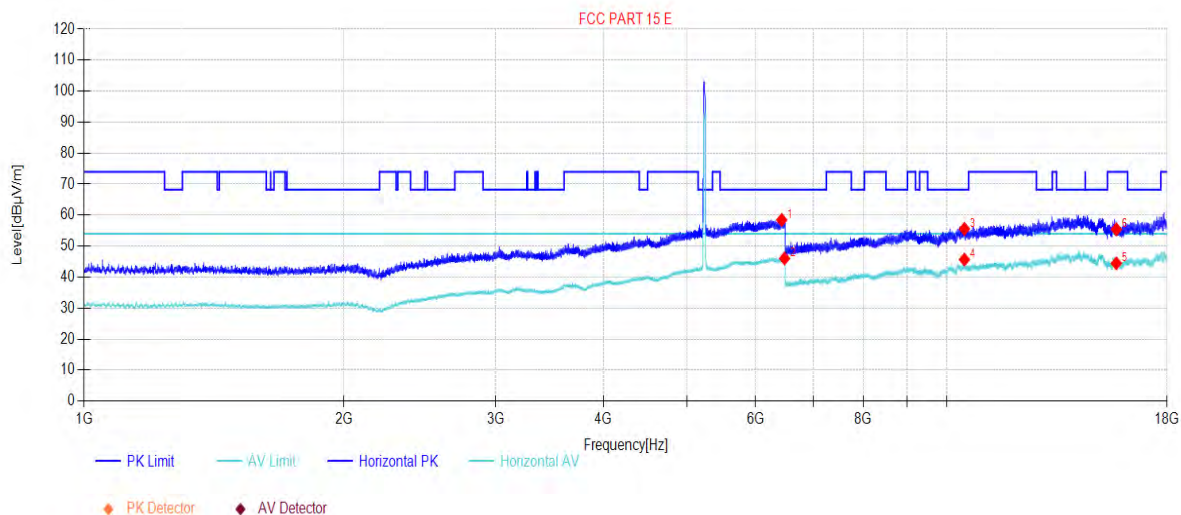


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4.9.2.29 802.11N20_Channel 48 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6436.56	58.43	18.36	68.20	9.77	128	214	Horizontal
2	6484.23	46.05	18.63	54.00	7.95	174	360	Horizontal
3	10480.0	55.60	2.49	68.20	12.60	162	2	Horizontal
4	10480.0	45.68	2.49	54.00	8.32	198	2	Horizontal
5	15720.0	44.45	5.92	54.00	9.55	178	79	Horizontal
6	15720.0	55.41	5.92	74.00	18.59	233	291	Horizontal

Final Data List

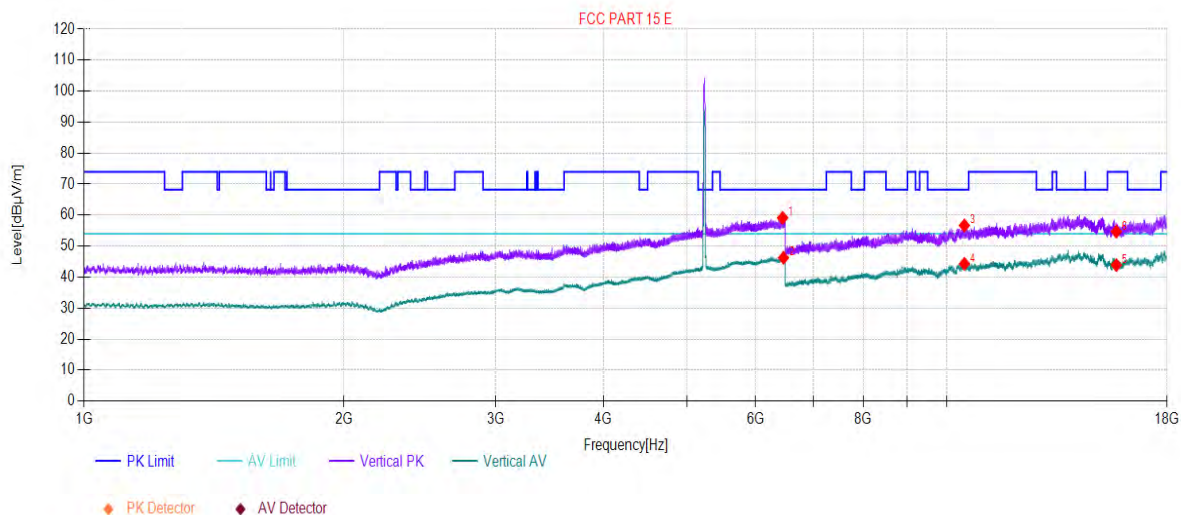


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4.9.2.30 802.11N20_Channel 48 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6451.23	59.13	18.44	68.20	9.07	245	92	Vertical
2	6466.63	46.26	18.53	54.00	7.74	261	119	Vertical
3	10480.0	56.66	2.49	68.20	11.54	247	31	Vertical
4	10480.0	44.31	2.49	54.00	9.69	261	310	Vertical
5	15720.0	43.88	5.92	54.00	10.12	212	310	Vertical
6	15720.0	54.69	5.92	74.00	19.31	271	70	Vertical

Final Data List

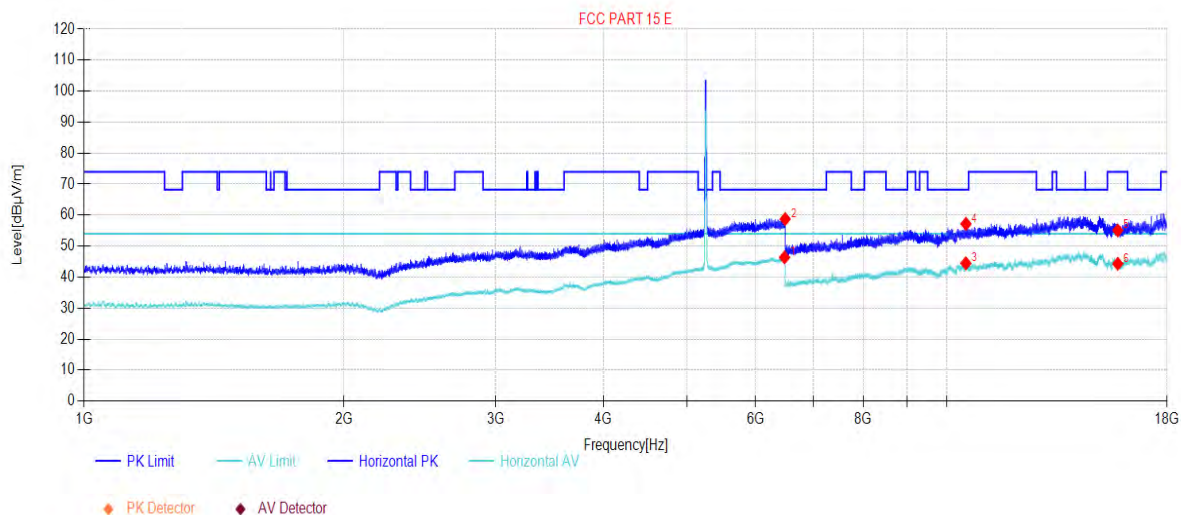


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4.9.2.31 802.11N20_Channel 52 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6485.33	46.37	18.63	54.00	7.63	132	165	Horizontal
2	6495.23	58.74	18.69	68.20	9.46	182	84	Horizontal
3	10520.0	44.46	2.45	54.00	9.54	161	3	Horizontal
4	10524.7	57.17	2.44	68.20	11.03	175	329	Horizontal
5	15780.0	55.06	5.30	74.00	18.94	237	214	Horizontal
6	15780.0	44.31	5.30	54.00	9.69	201	262	Horizontal

Final Data List

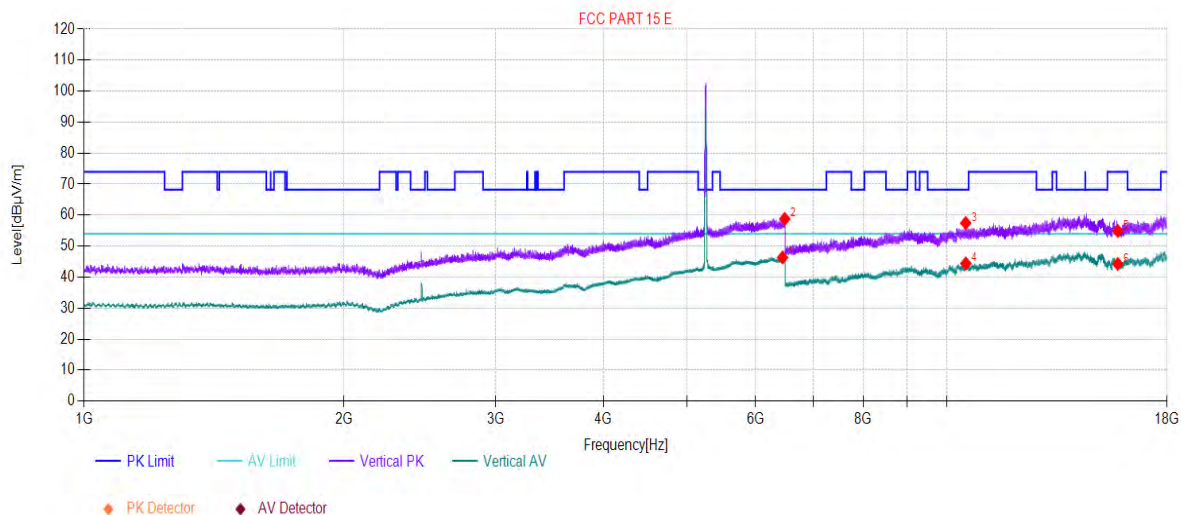


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4.9.2.32 802.11N20_Channel 52 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6451.23	46.35	18.44	54.00	7.65	245	131	Vertical
2	6488.26	58.79	18.65	68.20	9.41	278	91	Vertical
3	10515.5	57.45	2.46	68.20	10.75	211	357	Vertical
4	10520.0	44.40	2.45	54.00	9.60	247	3	Vertical
5	15780.0	54.91	5.30	74.00	19.09	231	98	Vertical
6	15780.0	44.27	5.30	54.00	9.73	269	61	Vertical

Final Data List

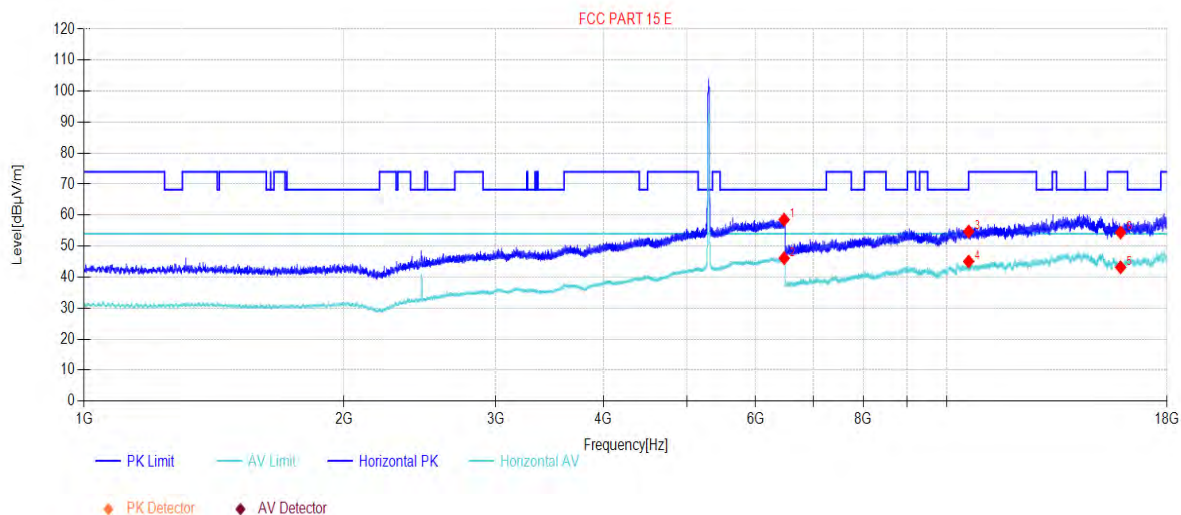


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4.9.2.33 802.11N20_Channel 60 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6475.43	58.53	18.58	68.20	9.67	176	214	Horizontal
2	6477.26	46.13	18.59	54.00	7.87	174	256	Horizontal
3	10600.0	54.72	2.23	74.00	19.28	132	329	Horizontal
4	10600.0	45.05	2.23	54.00	8.95	146	70	Horizontal
5	15900.0	43.18	5.29	54.00	10.82	129	147	Horizontal
6	15900.0	54.39	5.29	74.00	19.61	165	176	Horizontal

Final Data List

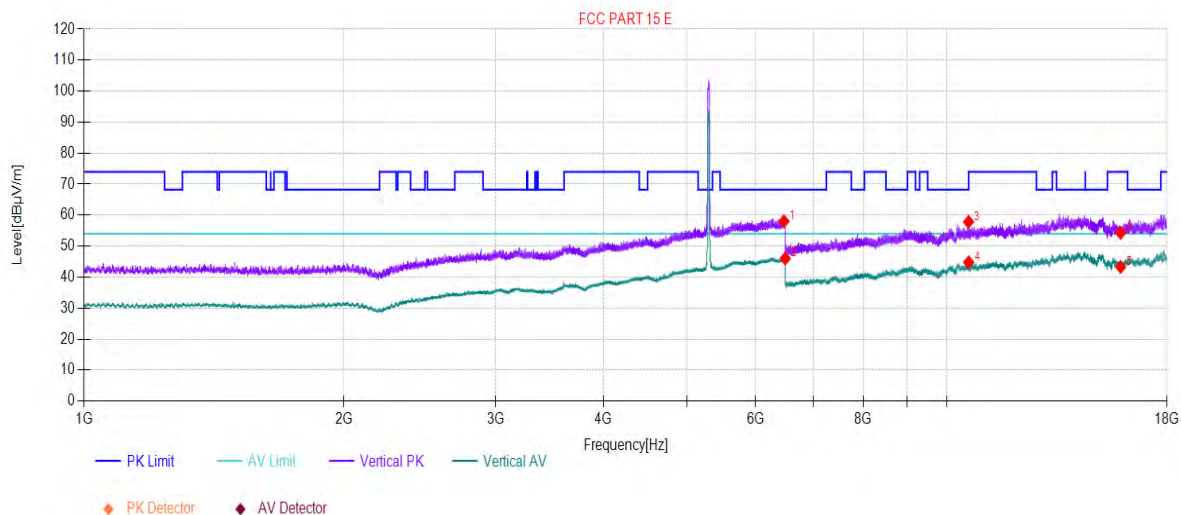


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4.9.2.34 802.11N20_Channel 60 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6473.96	58.04	18.57	68.20	10.16	274	344	Vertical
2	6495.96	46.03	18.69	54.00	7.97	231	112	Vertical
3	10597.8	57.83	2.24	68.20	10.37	260	320	Vertical
4	10600.1	44.81	2.23	54.00	9.19	214	357	Vertical
5	15900.0	43.29	5.29	54.00	10.71	277	310	Vertical
6	15900.0	54.30	5.29	74.00	19.70	261	196	Vertical

Final Data List

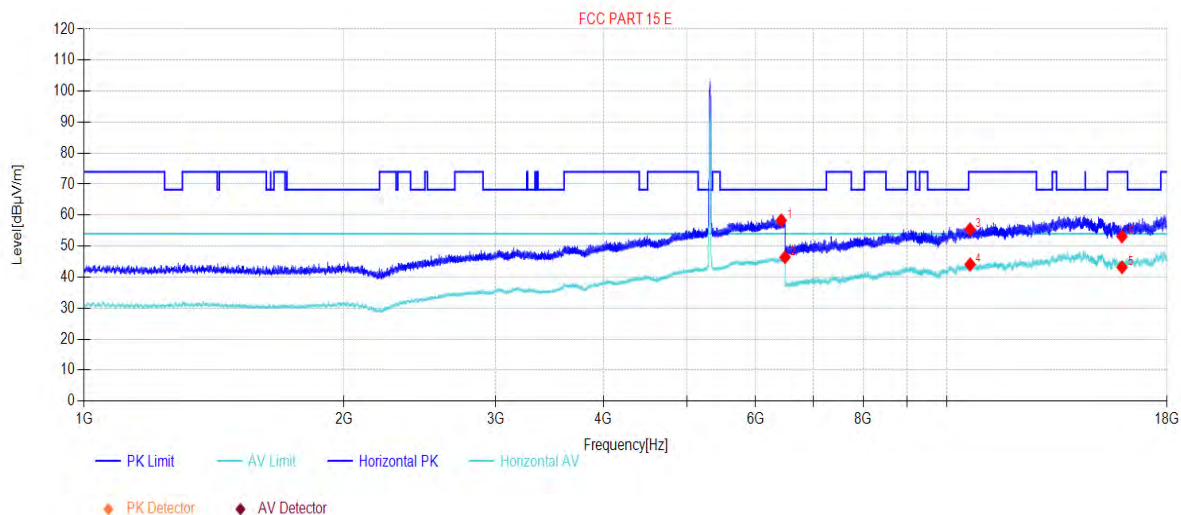


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4.9.2.35 802.11N20_Channel 64 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6428.86	58.32	18.32	68.20	9.88	147	270	Horizontal
2	6493.39	46.42	18.68	54.00	7.58	184	352	Horizontal
3	10640.0	55.41	2.22	74.00	18.59	162	39	Horizontal
4	10640.0	44.11	2.22	54.00	9.89	178	2	Horizontal
5	15960.0	43.19	5.01	54.00	10.81	133	145	Horizontal
6	15960.0	53.14	5.01	74.00	20.86	146	357	Horizontal

Final Data List

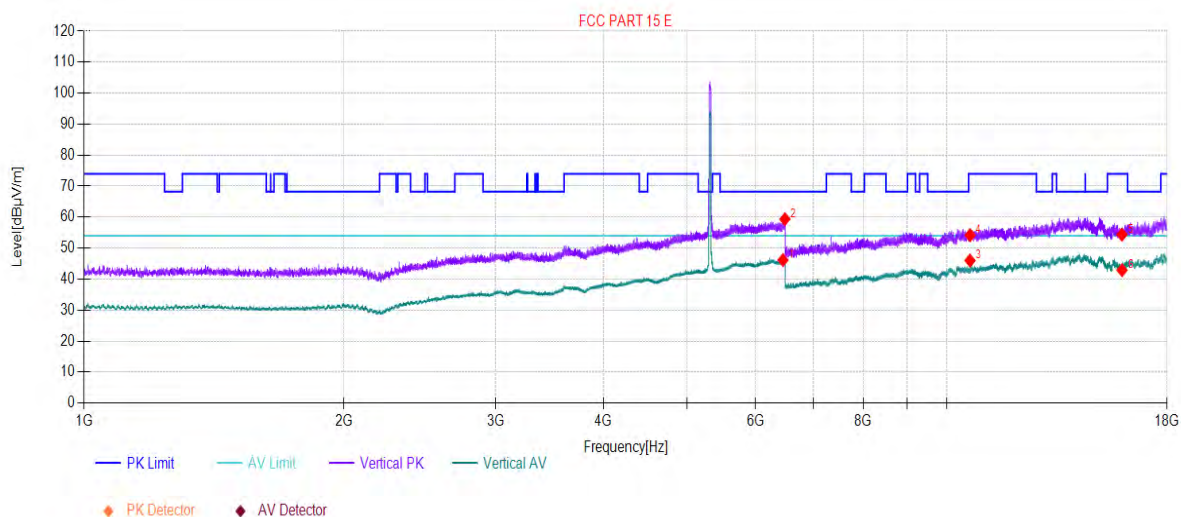


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4.9.2.36 802.11N20_Channel 64 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6457.83	46.17	18.48	54.00	7.83	271	268	Vertical
2	6490.46	59.37	18.66	68.20	8.83	262	22	Vertical
3	10639.2	46.00	2.22	54.00	8.00	211	2	Vertical
4	10640.0	54.17	2.22	74.00	19.83	241	49	Vertical
5	15960.0	54.37	5.01	74.00	19.63	233	310	Vertical
6	15960.0	42.92	5.01	54.00	11.08	285	20	Vertical

Final Data List

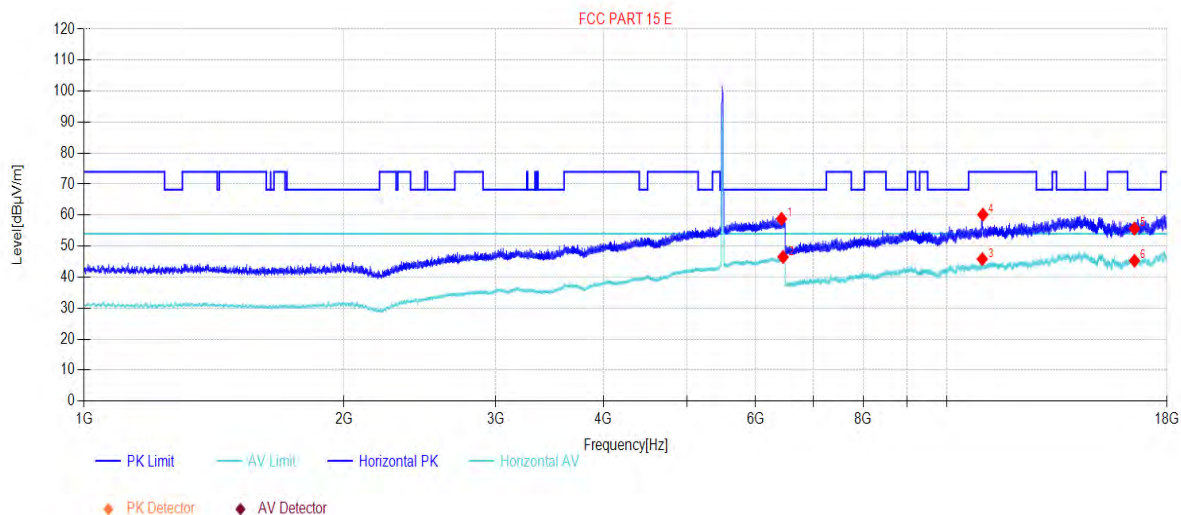


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4.9.2.37 802.11N20_Channel 100 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6432.89	58.81	18.34	68.20	9.39	142	247	Horizontal
2	6459.29	46.50	18.49	54.00	7.50	172	274	Horizontal
3	10994.8	45.84	2.73	54.00	8.16	120	13	Horizontal
4	11009.5	60.16	2.72	74.00	13.84	231	13	Horizontal
5	16500.0	55.69	5.09	68.20	12.51	198	281	Horizontal
6	16500.0	45.30	5.09	54.00	8.70	176	348	Horizontal

Final Data List



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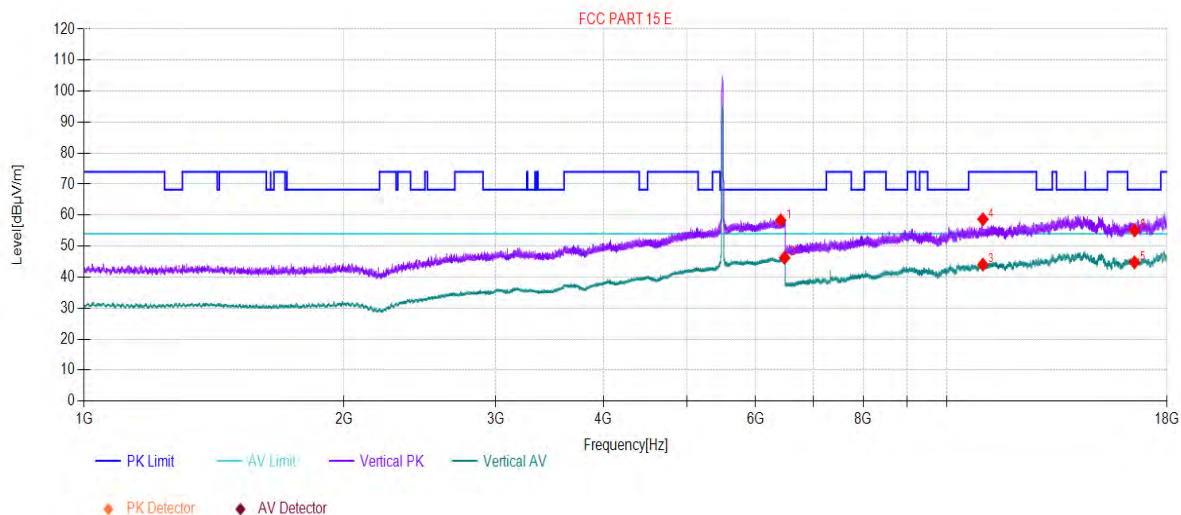
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4.9.2.38 802.11N20_Channel 100 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6418.96	58.36	18.27	68.20	9.84	245	145	Vertical
2	6484.96	46.27	18.63	54.00	7.73	268	328	Vertical
3	11009.5	44.03	2.72	54.00	9.97	241	3	Vertical
4	11010.0	58.69	2.72	74.00	15.31	210	3	Vertical
5	16500.0	44.78	5.09	54.00	9.22	286	310	Vertical
6	16500.0	55.07	5.09	68.20	13.13	247	22	Vertical

Final Data List

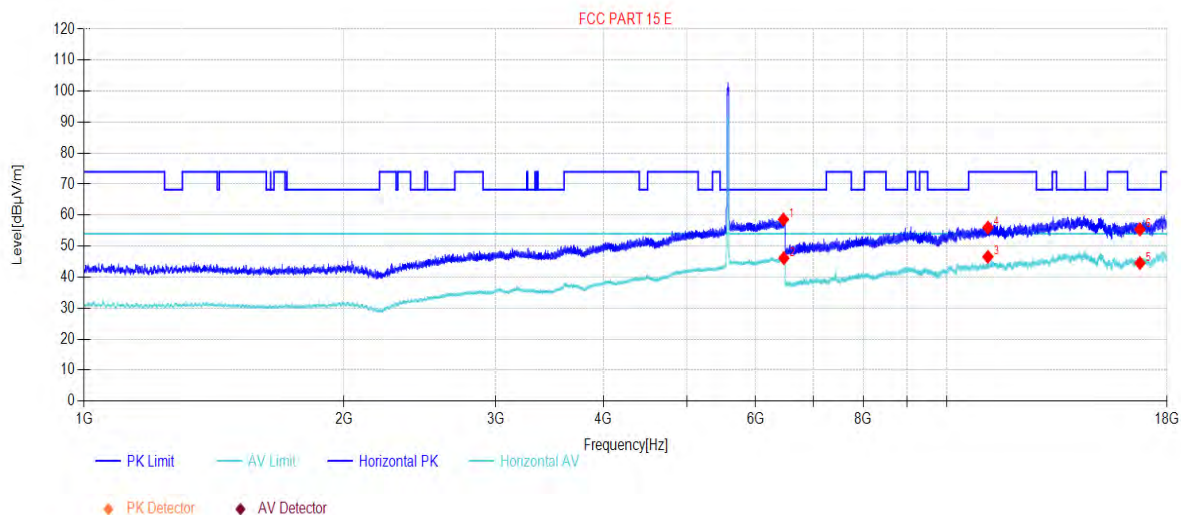


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4.9.2.39 802.11N20_Channel 116 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6464.79	58.61	18.52	68.20	9.59	171	50	Horizontal
2	6472.86	46.14	18.56	54.00	7.86	140	275	Horizontal
3	11156.7	46.56	2.54	54.00	7.44	165	15	Horizontal
4	11160.0	55.99	2.54	74.00	18.01	123	15	Horizontal
5	16740.0	44.55	5.53	54.00	9.45	189	301	Horizontal
6	16740.0	55.40	5.53	68.20	12.80	149	310	Horizontal

Final Data List

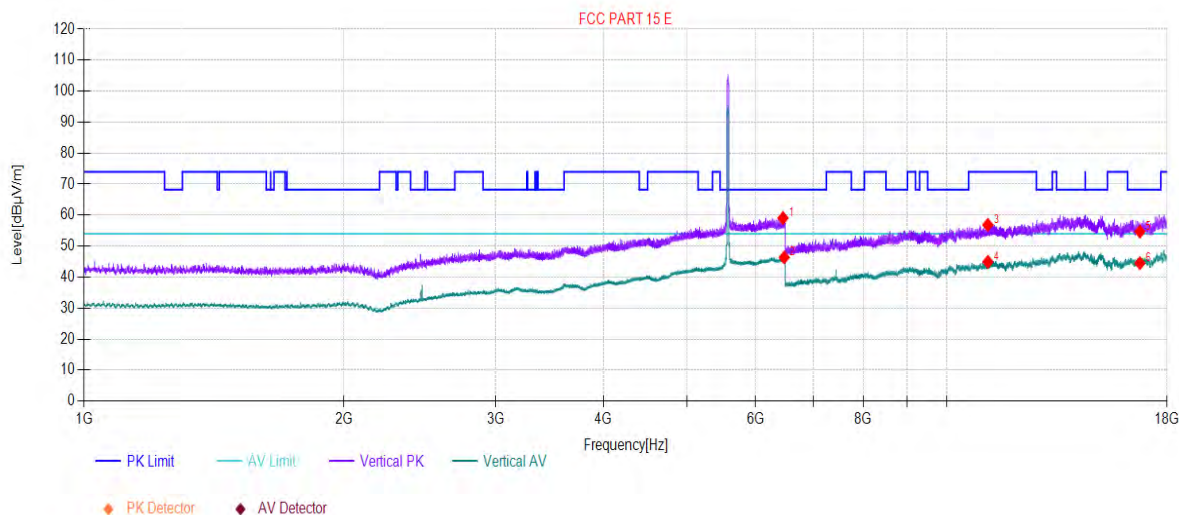


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4.9.2.40 802.11N20_Channel 116 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6457.46	59.05	18.48	68.20	9.15	275	97	Vertical
2	6479.09	46.34	18.60	54.00	7.66	214	145	Vertical
3	11155.3	56.87	2.53	74.00	17.13	262	23	Vertical
4	11158.1	44.94	2.54	54.00	9.06	244	13	Vertical
5	16740.0	54.69	5.53	68.20	13.51	278	281	Vertical
6	16740.0	44.51	5.53	54.00	9.49	261	52	Vertical

Final Data List

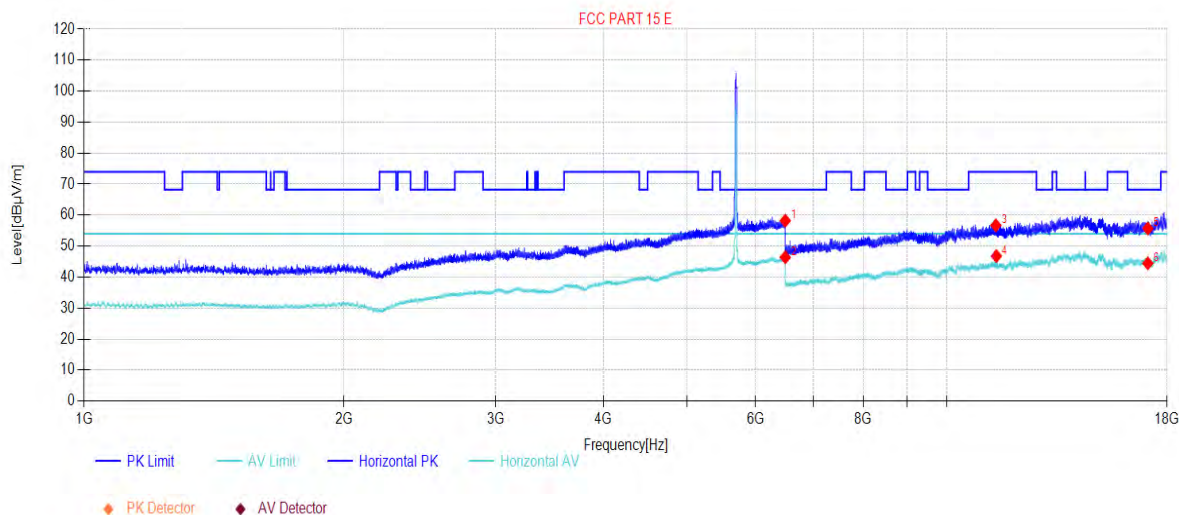


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4.9.2.41 802.11N20_Channel 140 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6497.79	58.22	18.70	68.20	9.98	187	29	Horizontal
2	6497.79	46.39	18.70	54.00	7.61	165	3	Horizontal
3	11397.8	56.71	2.54	74.00	17.29	210	3	Horizontal
4	11413.4	46.80	2.47	54.00	7.20	134	22	Horizontal
5	17100.0	55.69	5.72	68.20	12.51	170	13	Horizontal
6	17100.0	44.47	5.72	54.00	9.53	217	22	Horizontal

Final Data List

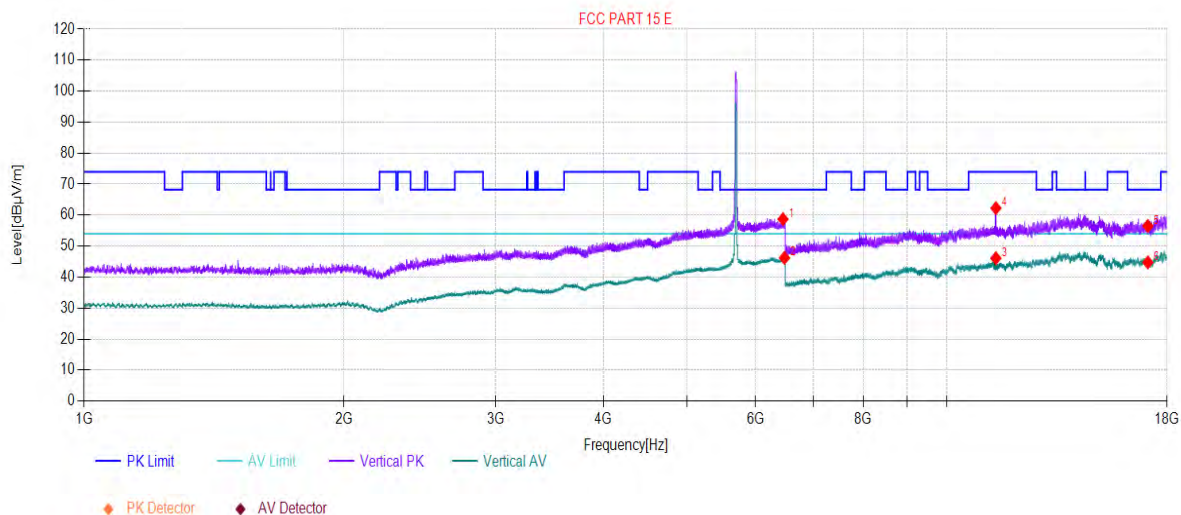


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4.9.2.42 802.11N20_Channel 140 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6457.46	58.72	18.48	68.20	9.48	282	207	Vertical
2	6483.13	46.22	18.62	54.00	7.78	264	268	Vertical
3	11396.8	46.11	2.54	54.00	7.89	245	42	Vertical
4	11397.8	62.25	2.54	74.00	11.75	235	23	Vertical
5	17100.0	56.49	5.72	68.20	11.71	278	174	Vertical
6	17100.0	44.75	5.72	54.00	9.25	214	108	Vertical

Final Data List

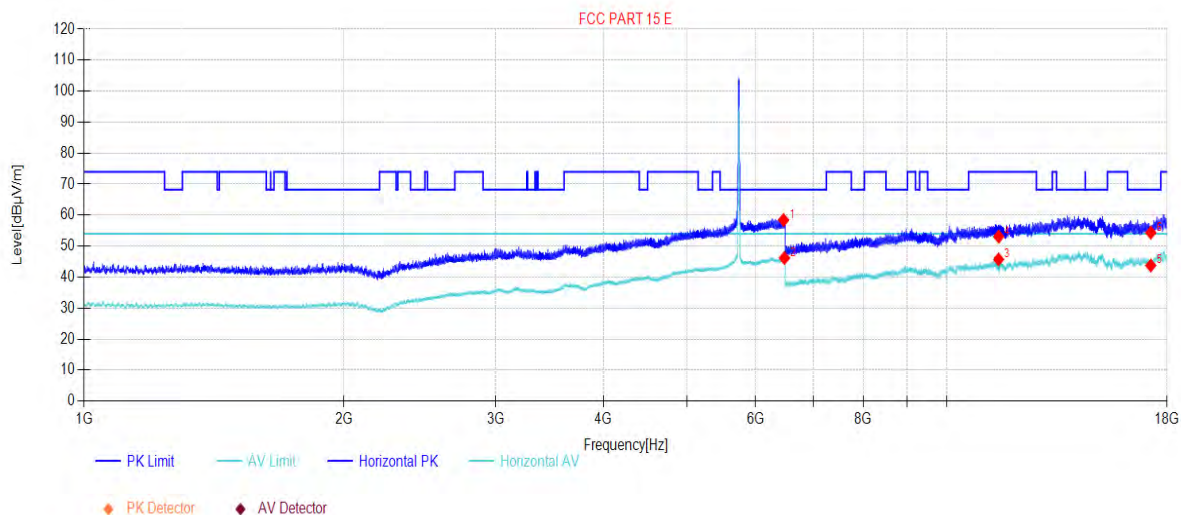


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4.9.2.43 802.11N20_Channel 149 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6467.73	58.45	18.54	68.20	9.75	144	90	Horizontal
2	6482.76	46.19	18.62	54.00	7.81	138	199	Horizontal
3	11480.1	45.73	2.15	54.00	8.27	182	14	Horizontal
4	11484.2	53.09	2.13	74.00	20.91	146	23	Horizontal
5	17235.0	43.75	6.10	54.00	10.25	137	138	Horizontal
6	17235.0	54.34	6.10	68.20	13.86	198	329	Horizontal

Final Data List

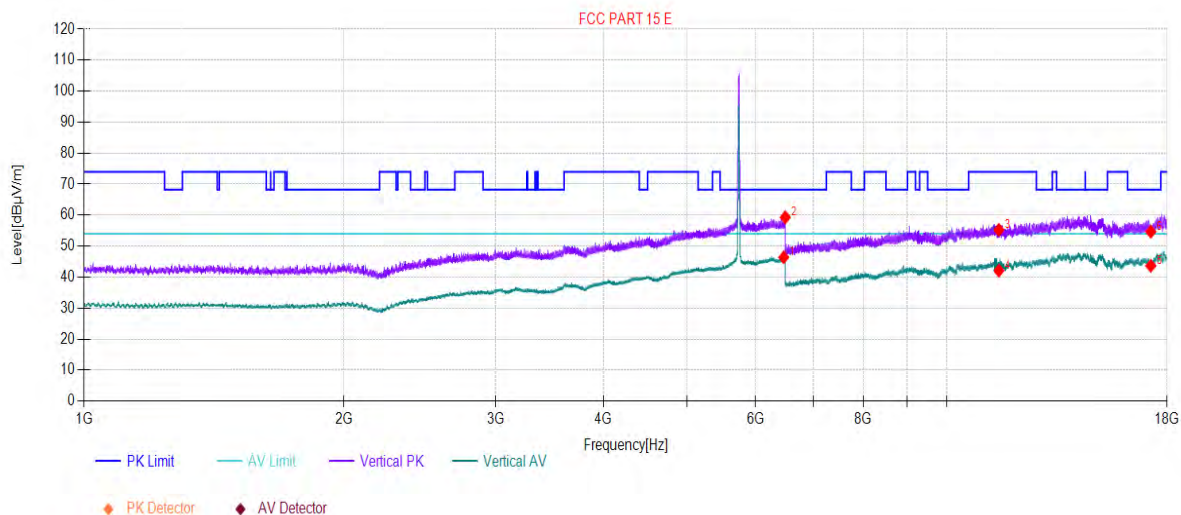


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4.9.2.44 802.11N20_Channel 149 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6471.03	46.39	18.55	54.00	7.61	233	85	Vertical
2	6497.43	59.32	18.70	68.20	8.88	278	295	Vertical
3	11489.3	55.23	2.10	74.00	18.77	216	27	Vertical
4	11490.0	42.11	2.10	54.00	11.89	281	8	Vertical
5	17235.0	43.67	6.10	54.00	10.33	277	334	Vertical
6	17235.0	54.66	6.10	68.20	13.54	260	267	Vertical

Final Data List



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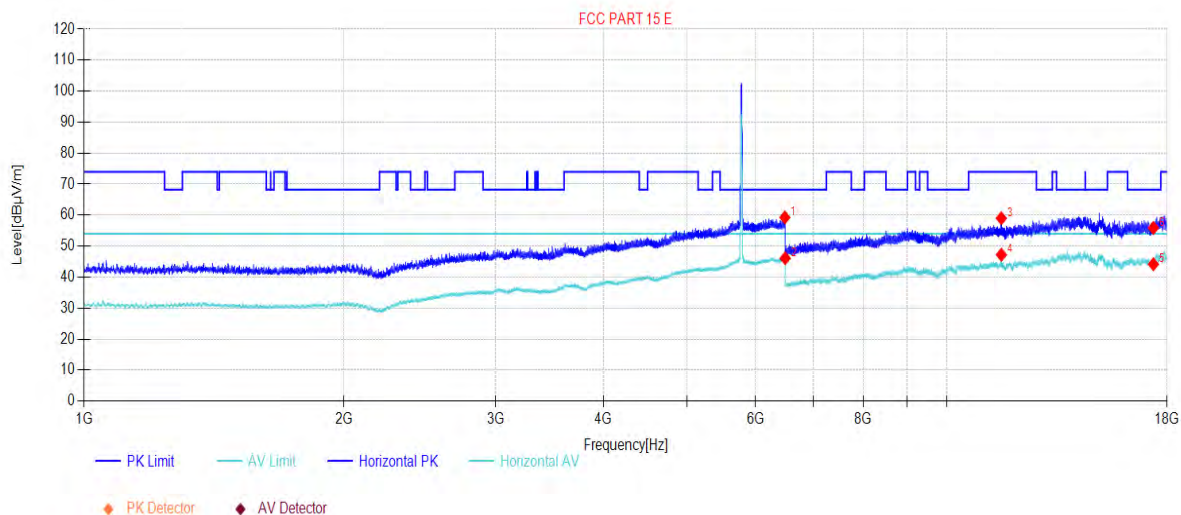
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4.9.2.45 802.11N20_Channel 157 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6490.09	59.27	18.66	68.20	8.93	120	261	Horizontal
2	6496.33	46.11	18.69	54.00	7.89	135	49	Horizontal
3	11564.3	59.00	2.84	74.00	15.00	165	21	Horizontal
4	11568.0	47.23	2.89	54.00	6.77	142	21	Horizontal
5	17355.0	44.16	6.75	54.00	9.84	188	291	Horizontal
6	17355.0	55.88	6.75	68.20	12.32	172	339	Horizontal

Final Data List

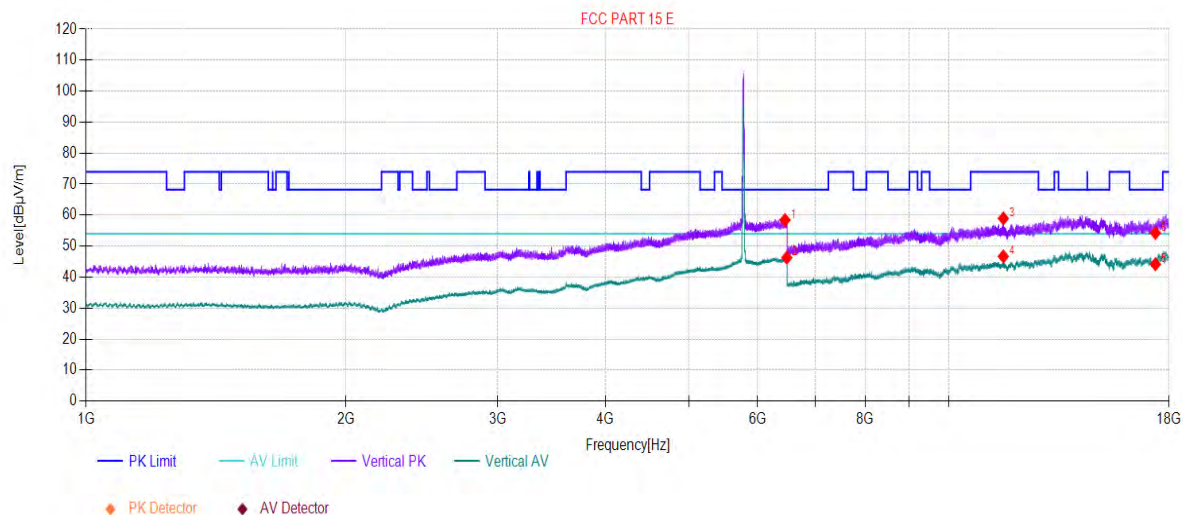


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4.9.2.46 802.11N20_Channel 157 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6458.19	58.43	18.48	68.20	9.77	278	337	Vertical
2	6488.99	46.30	18.65	54.00	7.70	262	180	Vertical
3	11566.1	58.97	2.87	74.00	15.03	241	23	Vertical
4	11566.6	46.69	2.87	54.00	7.31	286	32	Vertical
5	17355.0	44.17	6.75	54.00	9.83	214	272	Vertical
6	17355.0	54.24	6.75	68.20	13.96	235	357	Vertical

Final Data List



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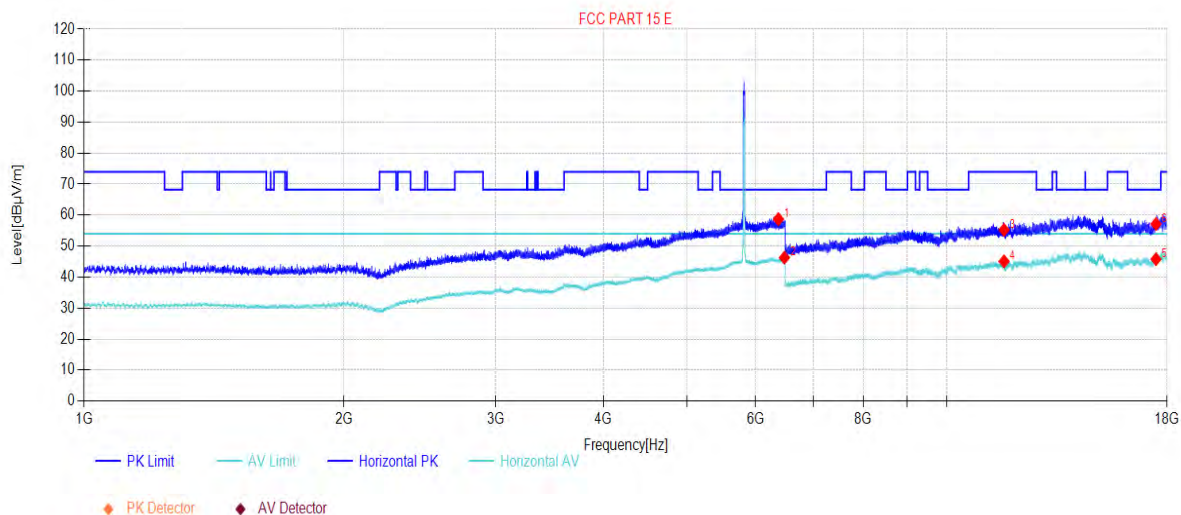
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4.9.2.47 802.11N20_Channel 165 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6379.72	58.73	18.23	68.20	9.47	174	220	Horizontal
2	6482.03	46.30	18.62	54.00	7.70	162	90	Horizontal
3	11650.0	55.25	2.58	74.00	18.75	150	253	Horizontal
4	11650.0	45.07	2.58	54.00	8.93	140	33	Horizontal
5	17475.0	45.80	7.42	54.00	8.20	152	195	Horizontal
6	17475.0	57.13	7.42	68.20	11.07	133	62	Horizontal

Final Data List

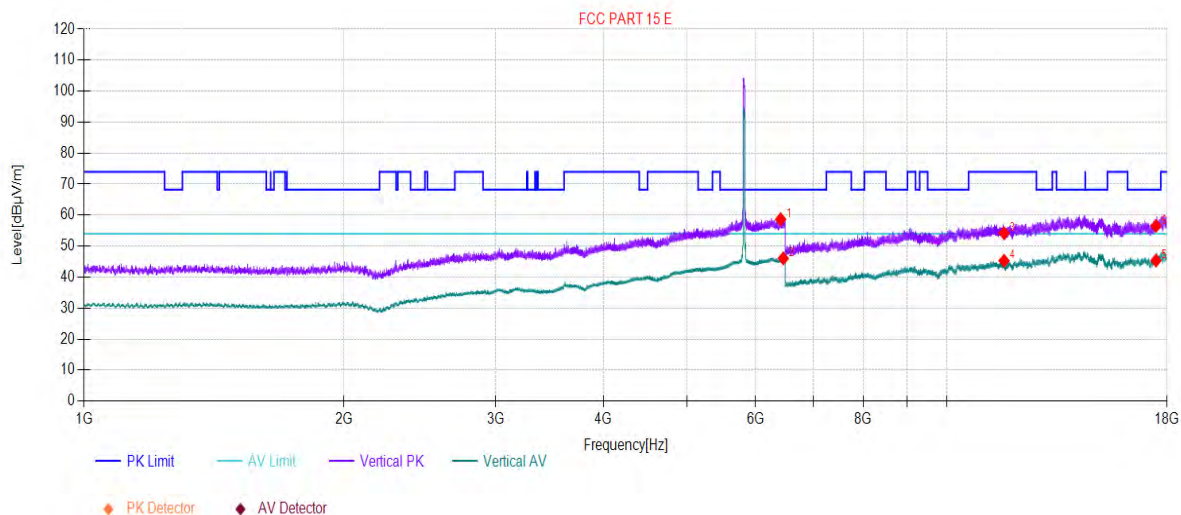


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4.9.2.48 802.11N20_Channel 165 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6417.86	58.67	18.26	68.20	9.53	275	357	Vertical
2	6462.59	46.07	18.51	54.00	7.93	282	152	Vertical
3	11650.0	54.17	2.58	74.00	19.83	267	31	Vertical
4	11650.0	45.29	2.58	54.00	8.71	210	21	Vertical
5	17475.0	45.36	7.42	54.00	8.64	310	338	Vertical
6	17475.0	56.53	7.42	68.20	11.67	277	280	Vertical

Final Data List

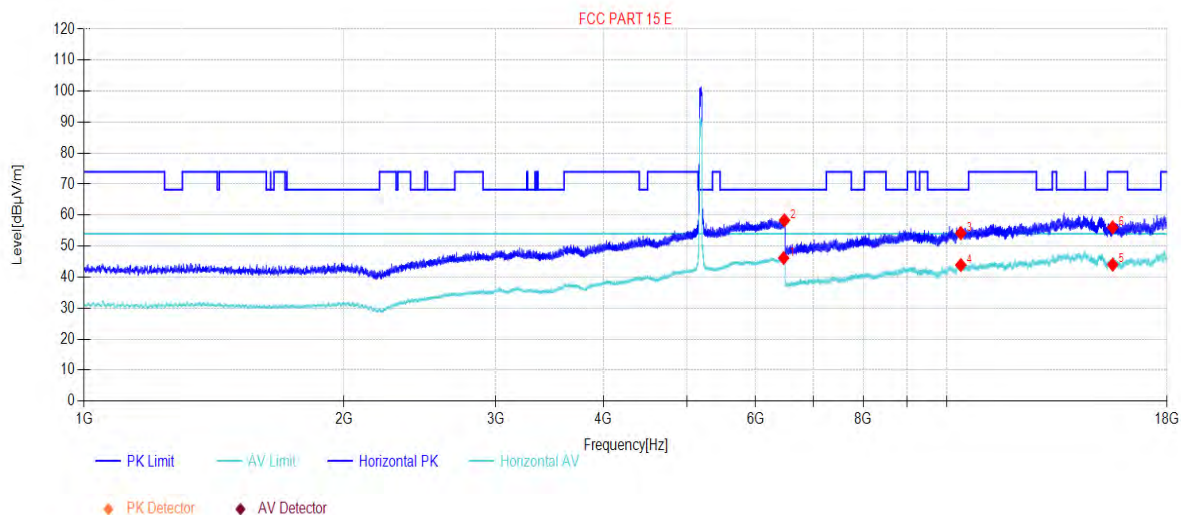


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4.9.2.49 802.11N40_Channel 38 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6468.83	46.17	18.54	54.00	7.83	124	331	Horizontal
2	6482.76	58.35	18.62	68.20	9.85	135	262	Horizontal
3	10380.0	54.18	2.40	68.20	14.02	155	4	Horizontal
4	10380.0	43.89	2.40	54.00	10.11	187	60	Horizontal
5	15570.0	44.03	6.00	54.00	9.97	156	185	Horizontal
6	15570.0	56.05	6.00	74.00	17.95	122	203	Horizontal

Final Data List

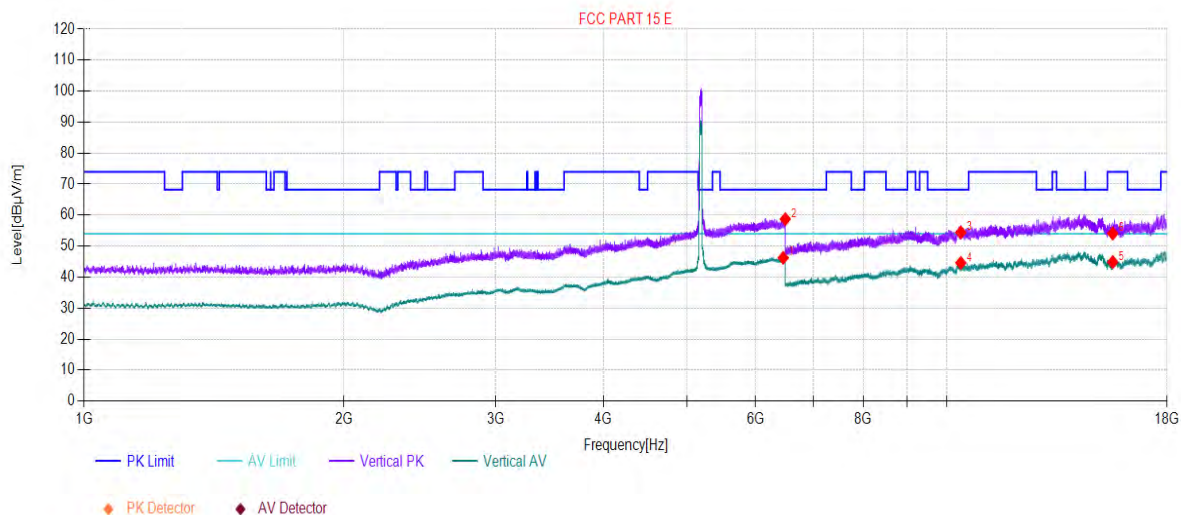


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4.9.2.50 802.11N40_Channel 38 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6461.49	46.24	18.50	54.00	7.76	243	335	Vertical
2	6498.53	58.73	18.71	68.20	9.47	287	77	Vertical
3	10380.0	54.42	2.40	68.20	13.78	266	300	Vertical
4	10380.0	44.59	2.40	54.00	9.41	278	310	Vertical
5	15570.0	44.86	6.00	54.00	9.14	333	14	Vertical
6	15570.0	54.10	6.00	74.00	19.90	245	310	Vertical

Final Data List



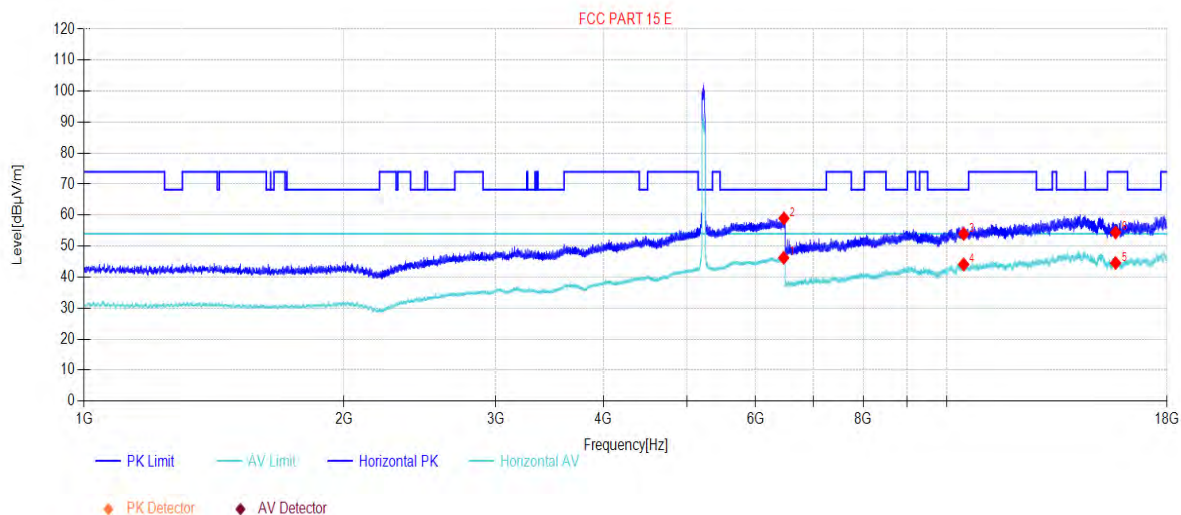
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4.9.2.51 802.11N40_Channel 46 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6470.29	46.23	18.55	54.00	7.77	162	29	Horizontal
2	6474.33	58.96	18.57	68.20	9.24	212	215	Horizontal
3	10460.0	53.94	2.47	68.20	14.26	187	11	Horizontal
4	10460.0	44.11	2.47	54.00	9.89	168	2	Horizontal
5	15690.0	44.56	6.13	54.00	9.44	175	214	Horizontal
6	15690.0	54.43	6.13	74.00	19.57	135	320	Horizontal

Final Data List



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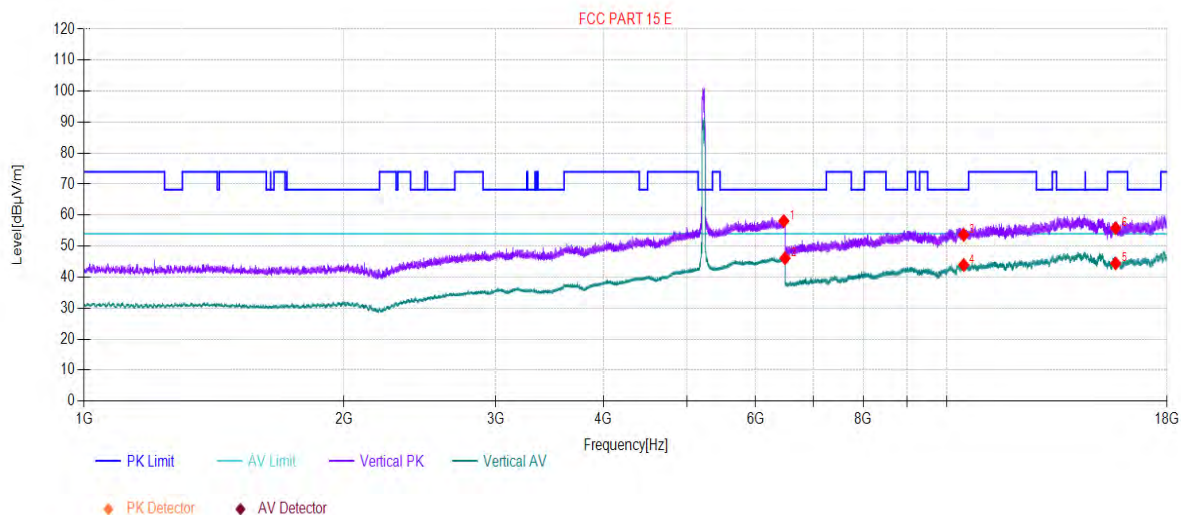
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4.9.2.52 802.11N40_Channel 46 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6471.76	58.12	18.56	68.20	10.08	233	207	Vertical
2	6494.13	46.12	18.68	54.00	7.88	275	261	Vertical
3	10460.0	53.64	2.47	68.20	14.56	256	319	Vertical
4	10460.0	43.92	2.47	54.00	10.08	278	3	Vertical
5	15690.0	44.44	6.13	54.00	9.56	265	194	Vertical
6	15690.0	55.81	6.13	74.00	18.19	222	329	Vertical

Final Data List

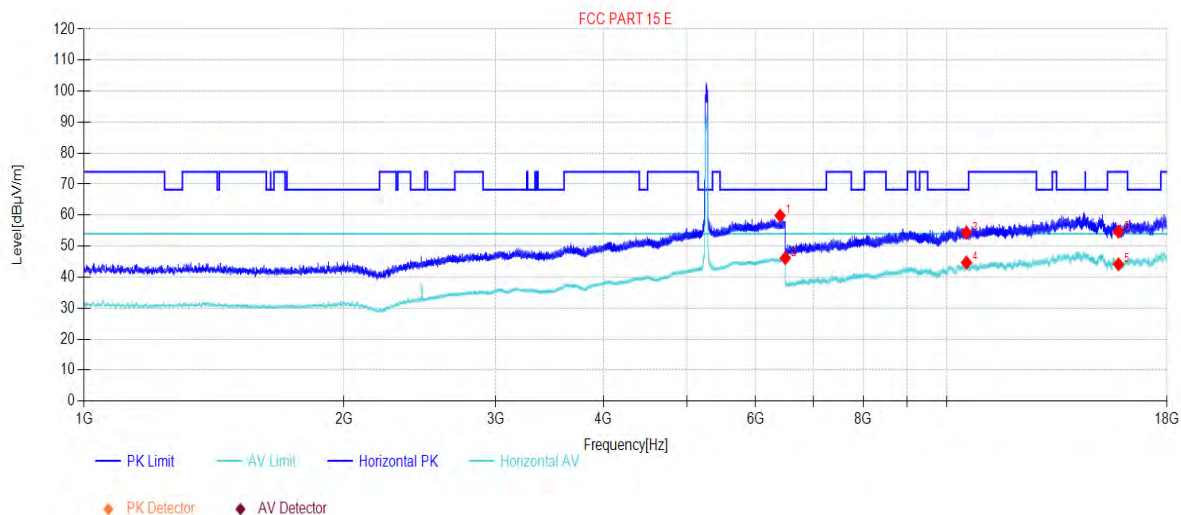


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4.9.2.53 802.11N40_Channel 54 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6408.69	59.82	18.21	68.20	8.38	135	281	Horizontal
2	6498.16	46.15	18.70	54.00	7.85	187	240	Horizontal
3	10540.0	54.34	2.39	68.20	13.86	165	3	Horizontal
4	10540.0	44.69	2.39	54.00	9.31	144	3	Horizontal
5	15810.0	44.14	5.12	54.00	9.86	162	51	Horizontal
6	15810.0	54.69	5.12	74.00	19.31	150	22	Horizontal

Final Data List

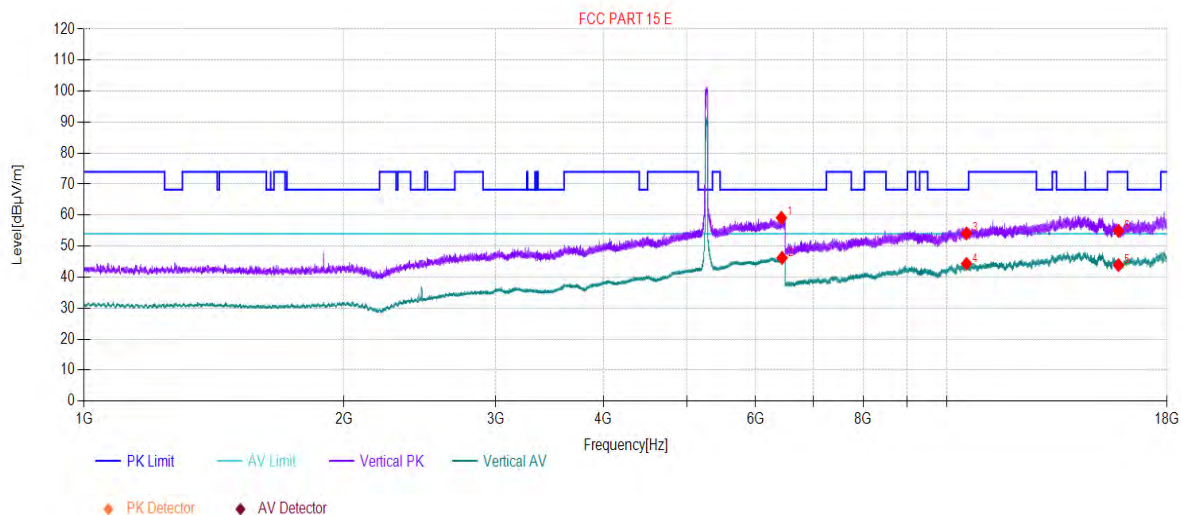


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4.9.2.54 802.11N40_Channel 54 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6429.96	59.15	18.33	68.20	9.05	278	153	Vertical
2	6442.06	46.21	18.39	54.00	7.79	244	360	Vertical
3	10540.0	54.12	2.39	68.20	14.08	236	167	Vertical
4	10540.0	44.32	2.39	54.00	9.68	287	357	Vertical
5	15810.0	43.89	5.12	54.00	10.11	242	339	Vertical
6	15810.0	54.93	5.12	74.00	19.07	221	272	Vertical

Final Data List

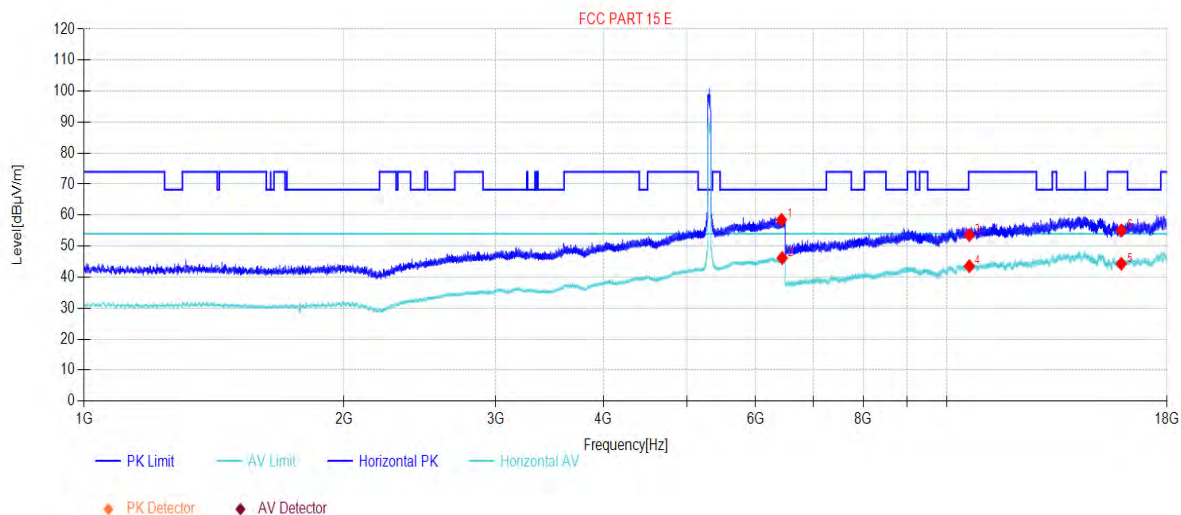


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4.9.2.55 802.11N40_Channel 62 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6431.42	58.48	18.33	68.20	9.72	132	172	Horizontal
2	6444.62	46.18	18.41	54.00	7.82	135	193	Horizontal
3	10620.0	53.54	2.23	74.00	20.46	211	357	Horizontal
4	10620.0	43.54	2.23	54.00	10.46	159	34	Horizontal
5	15930.0	44.31	5.15	54.00	9.69	194	0	Horizontal
6	15930.0	55.07	5.15	74.00	18.93	200	147	Horizontal

Final Data List

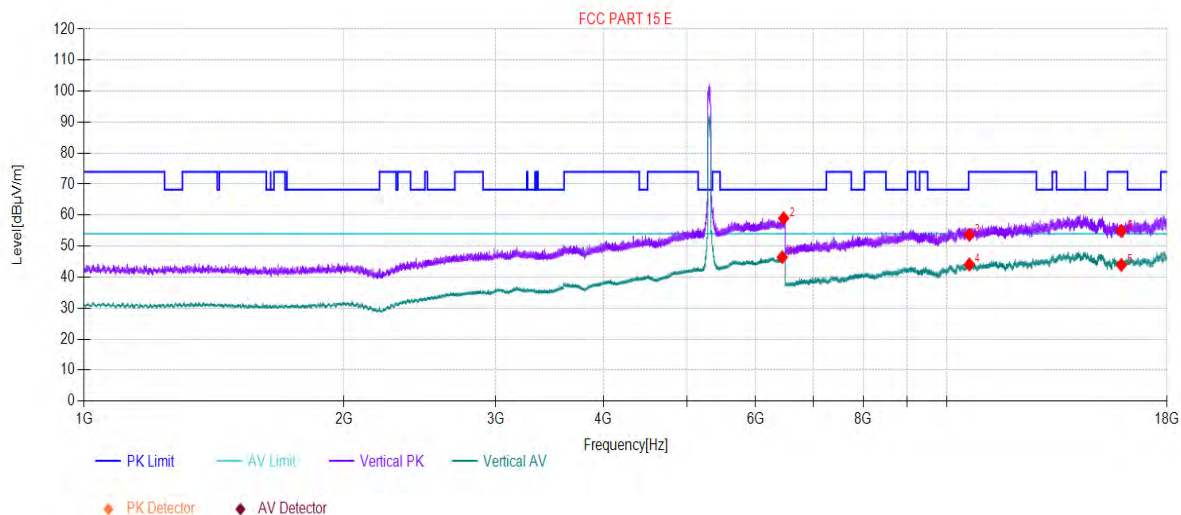


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4.9.2.56 802.11N40_Channel 62 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6445.36	46.42	18.41	54.00	7.58	278	105	Vertical
2	6469.19	58.98	18.54	68.20	9.22	264	316	Vertical
3	10620.0	53.67	2.23	74.00	20.33	211	110	Vertical
4	10620.0	44.08	2.23	54.00	9.92	283	357	Vertical
5	15930.0	43.94	5.15	54.00	10.06	277	176	Vertical
6	15930.0	54.94	5.15	74.00	19.06	245	176	Vertical

Final Data List

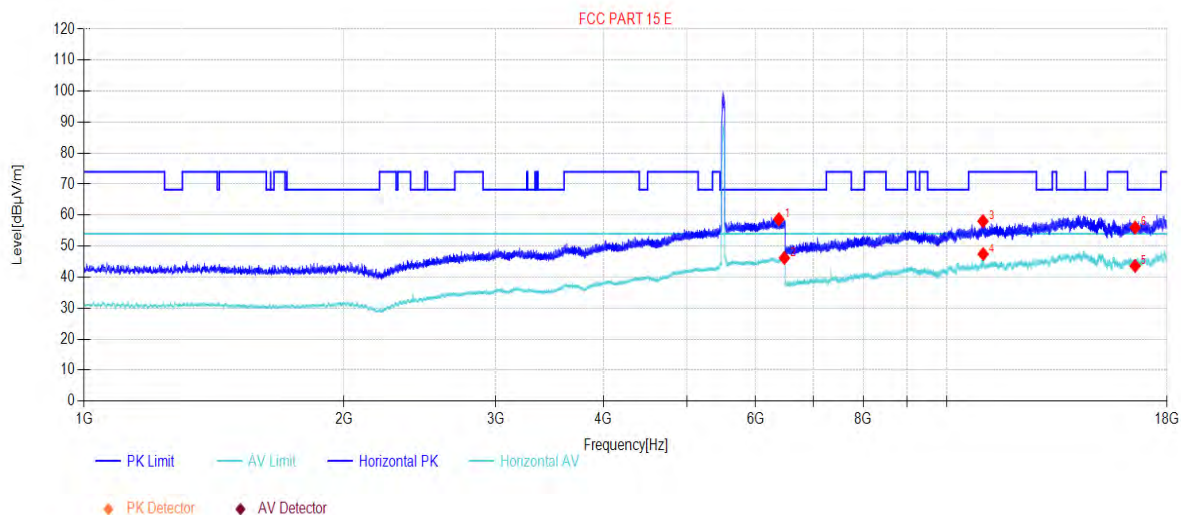


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4.9.2.57 802.11N40_Channel 102 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6386.69	58.68	18.20	68.20	9.52	155	296	Horizontal
2	6480.93	46.21	18.61	54.00	7.79	156	3	Horizontal
3	11011.8	58.07	2.71	74.00	15.93	178	2	Horizontal
4	11018.7	47.44	2.69	54.00	6.56	162	22	Horizontal
5	16530.0	43.62	5.27	54.00	10.38	157	186	Horizontal
6	16530.0	56.00	5.27	68.20	12.20	144	138	Horizontal

Final Data List

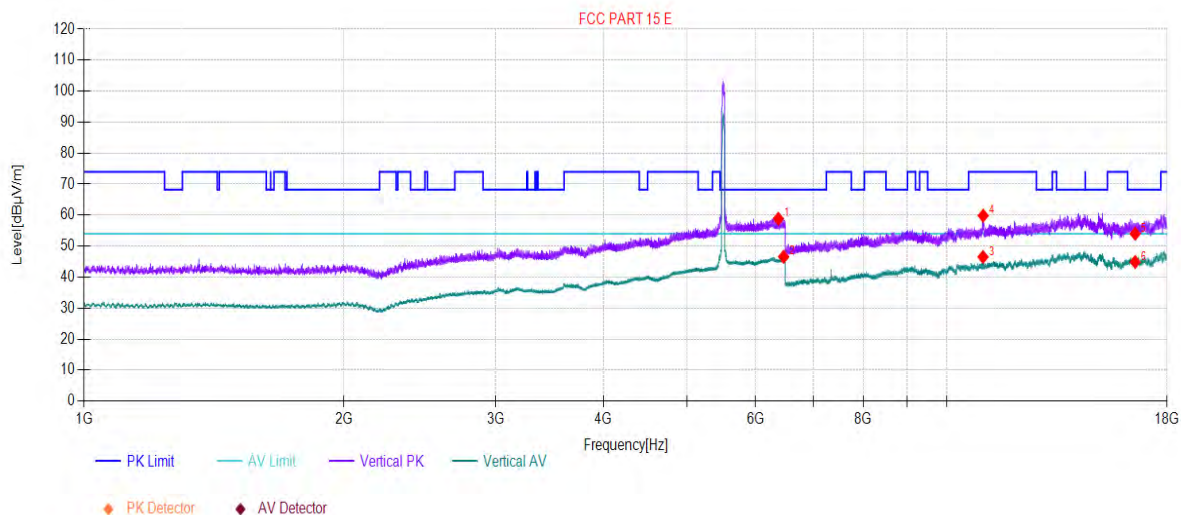


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4.9.2.58 802.11N40_Channel 102 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6377.89	58.85	18.23	68.20	9.35	277	146	Vertical
2	6469.19	46.57	18.54	54.00	7.43	262	133	Vertical
3	11013.7	46.49	2.71	54.00	7.51	301	13	Vertical
4	11018.7	59.85	2.69	74.00	14.15	297	13	Vertical
5	16530.0	54.01	5.27	68.20	14.19	244	42	Vertical
6	16530.0	44.88	5.27	54.00	9.12	278	300	Vertical

Final Data List

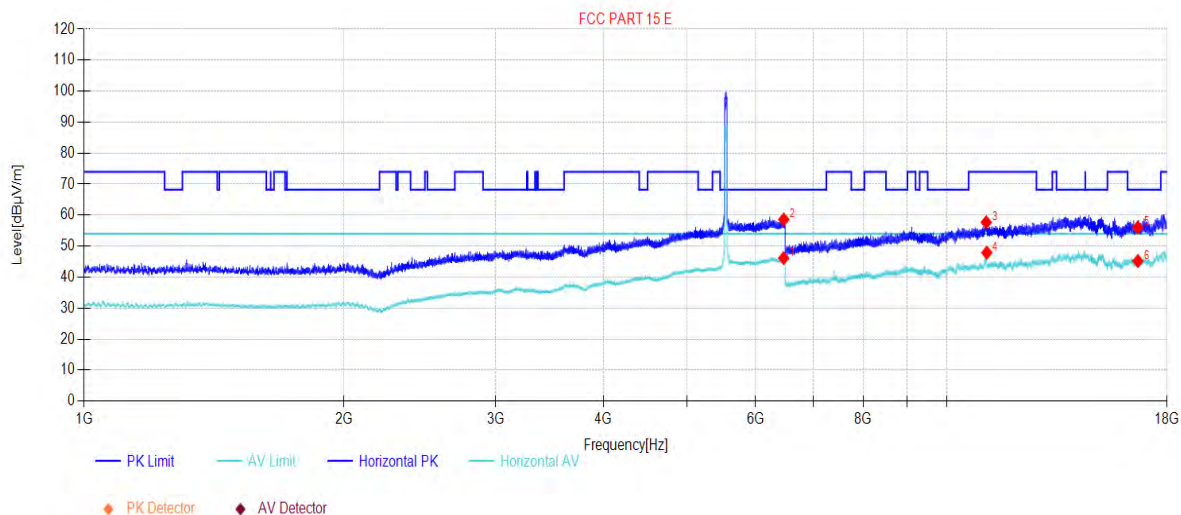


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4.9.2.59 802.11N40_Channel 110 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6468.83	46.12	18.54	54.00	7.88	133	316	Horizontal
2	6470.66	58.59	18.55	68.20	9.61	157	43	Horizontal
3	11109.8	57.70	2.50	74.00	16.30	155	11	Horizontal
4	11127.3	47.90	2.51	54.00	6.10	166	11	Horizontal
5	16650.0	56.01	5.74	68.20	12.19	149	232	Horizontal
6	16650.0	45.21	5.74	54.00	8.79	138	271	Horizontal

Final Data List

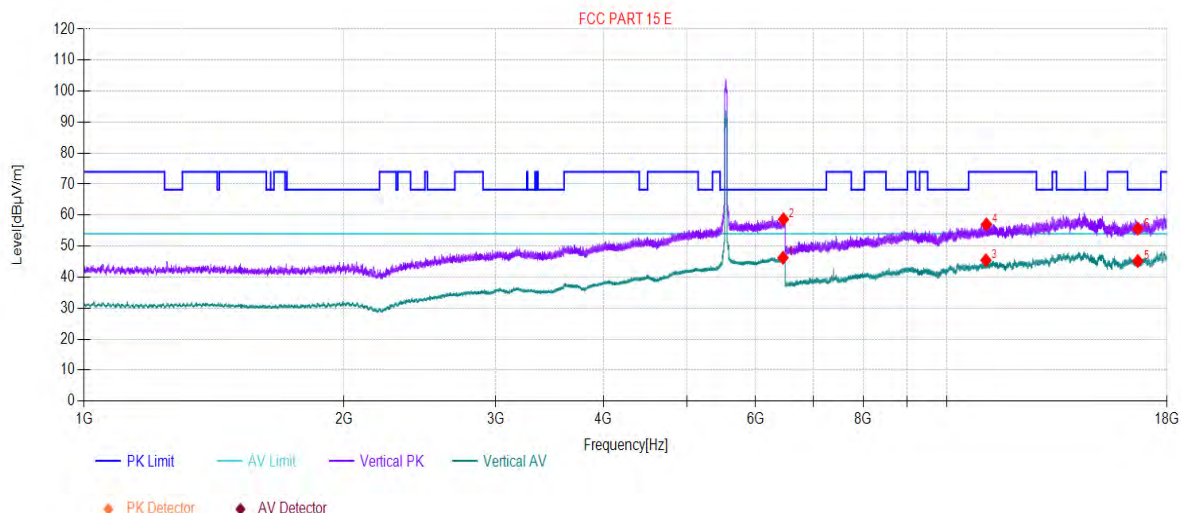


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4.9.2.60 802.11N40_Channel 110 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6457.46	46.24	18.48	54.00	7.76	277	220	Vertical
2	6465.89	58.67	18.53	68.20	9.53	285	193	Vertical
3	11100.1	45.45	2.49	54.00	8.55	242	22	Vertical
4	11114.9	57.01	2.51	74.00	16.99	265	2	Vertical
5	16650.0	45.20	5.74	54.00	8.80	245	348	Vertical
6	16650.0	55.61	5.74	68.20	12.59	213	60	Vertical

Final Data List



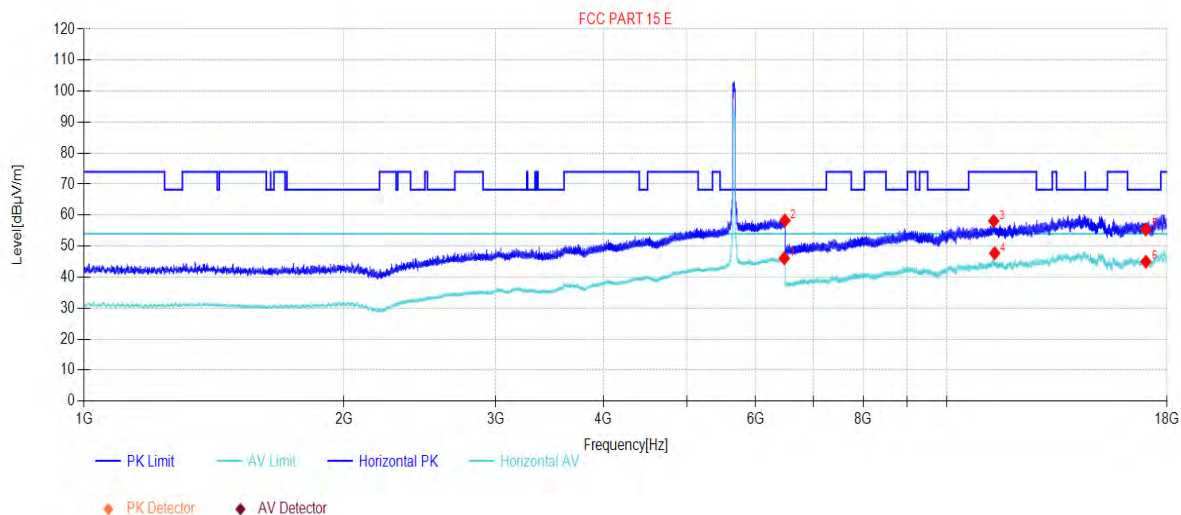
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4.9.2.61 802.11N40_Channel 134 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6479.09	46.08	18.60	54.00	7.92	122	138	Horizontal
2	6490.09	58.26	18.66	68.20	9.94	222	220	Horizontal
3	11332.0	58.11	2.55	74.00	15.89	168	14	Horizontal
4	11360.5	47.74	2.55	54.00	6.26	165	23	Horizontal
5	17010.0	55.37	6.16	68.20	12.83	154	300	Horizontal
6	17010.0	44.96	6.16	54.00	9.04	139	32	Horizontal

Final Data List



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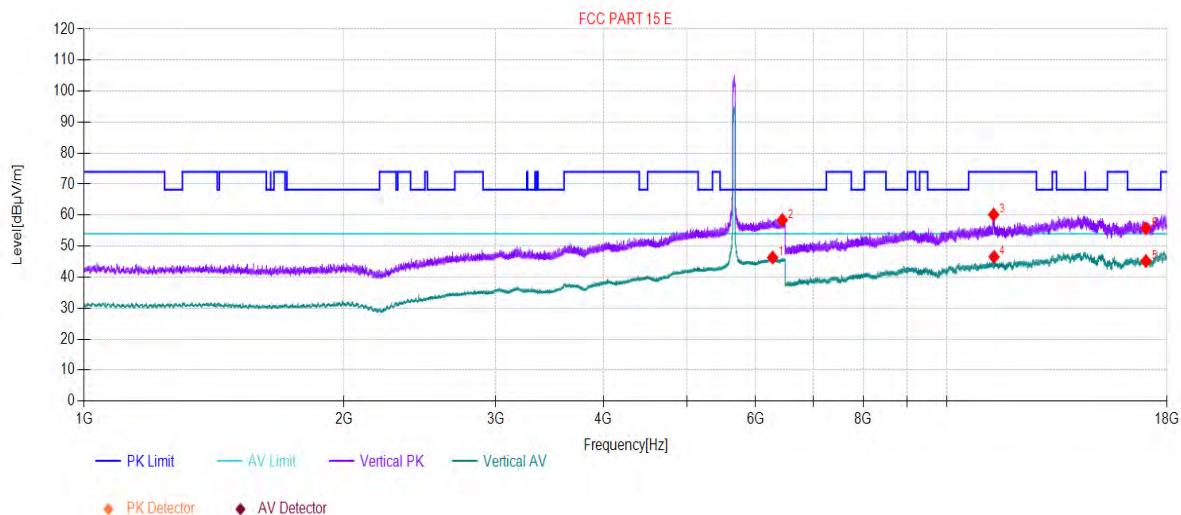
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4.9.2.62 802.11N40_Channel 134 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6281.45	46.33	18.40	54.00	7.67	222	249	Vertical
2	6446.46	58.41	18.42	68.20	9.79	231	221	Vertical
3	11328.8	60.17	2.55	74.00	13.83	274	14	Vertical
4	11340.7	46.57	2.55	54.00	7.43	262	34	Vertical
5	17010.0	45.18	6.16	54.00	8.82	267	128	Vertical
6	17010.0	55.75	6.16	68.20	12.45	248	177	Vertical

Final Data List

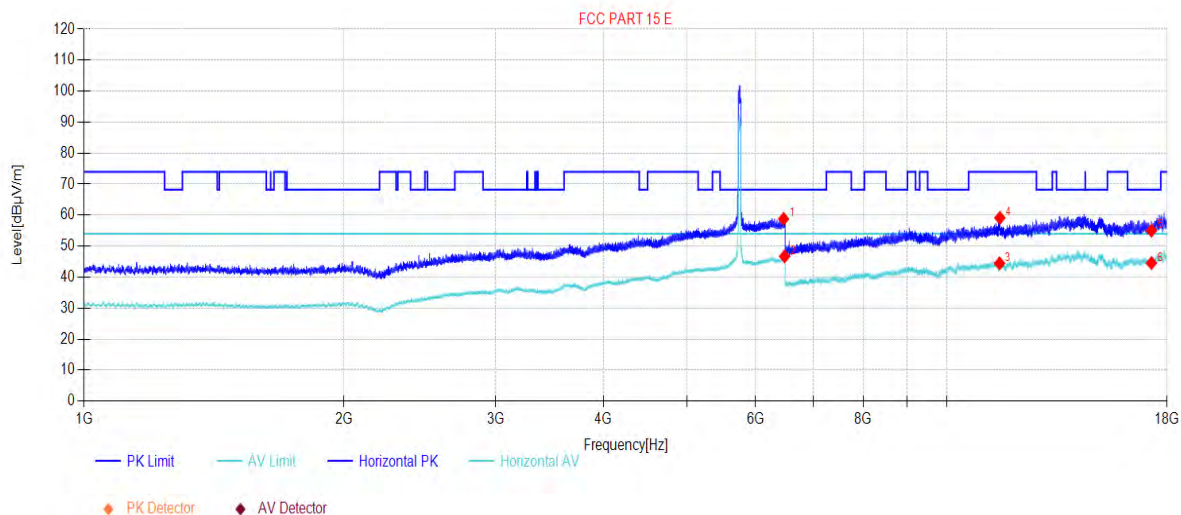


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4.9.2.63 802.11N40_Channel 151 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6468.46	58.79	18.54	68.20	9.41	167	200	Horizontal
2	6485.69	46.70	18.64	54.00	7.30	135	276	Horizontal
3	11510.0	44.45	2.17	54.00	9.55	113	30	Horizontal
4	11520.1	59.12	2.30	74.00	14.88	185	20	Horizontal
5	17265.0	55.02	6.33	68.20	13.18	157	184	Horizontal
6	17265.0	44.56	6.33	54.00	9.44	166	250	Horizontal

Final Data List

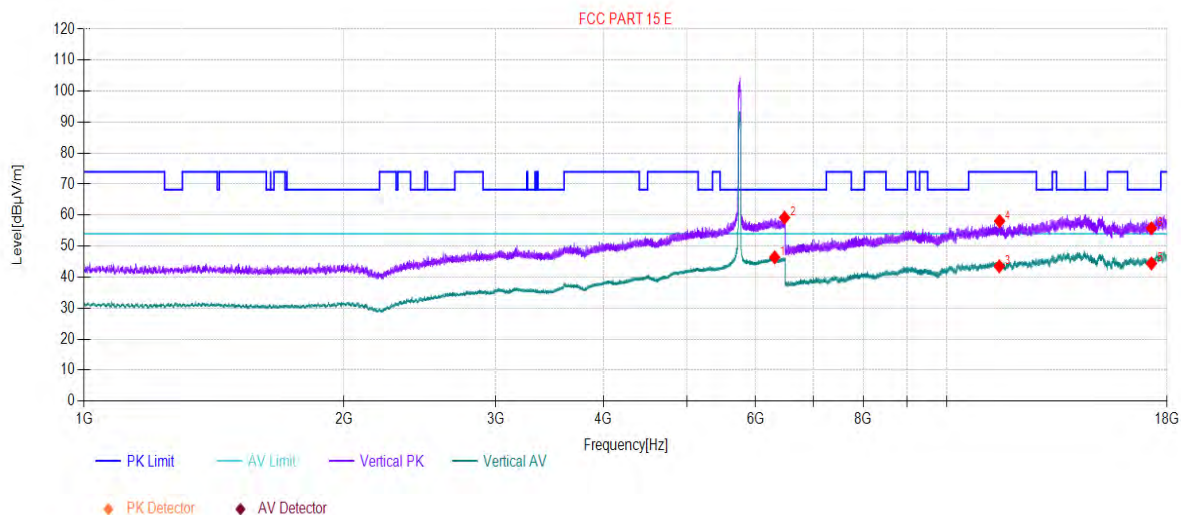


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4.9.2.64 802.11N40_Channel 151 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6315.92	46.38	18.43	54.00	7.62	295	246	Vertical
2	6485.33	59.20	18.63	68.20	9.00	242	84	Vertical
3	11502.2	43.49	2.08	54.00	10.51	256	23	Vertical
4	11510.9	58.09	2.19	74.00	15.91	247	32	Vertical
5	17265.0	44.43	6.33	54.00	9.57	265	300	Vertical
6	17265.0	55.81	6.33	68.20	12.39	278	186	Vertical

Final Data List

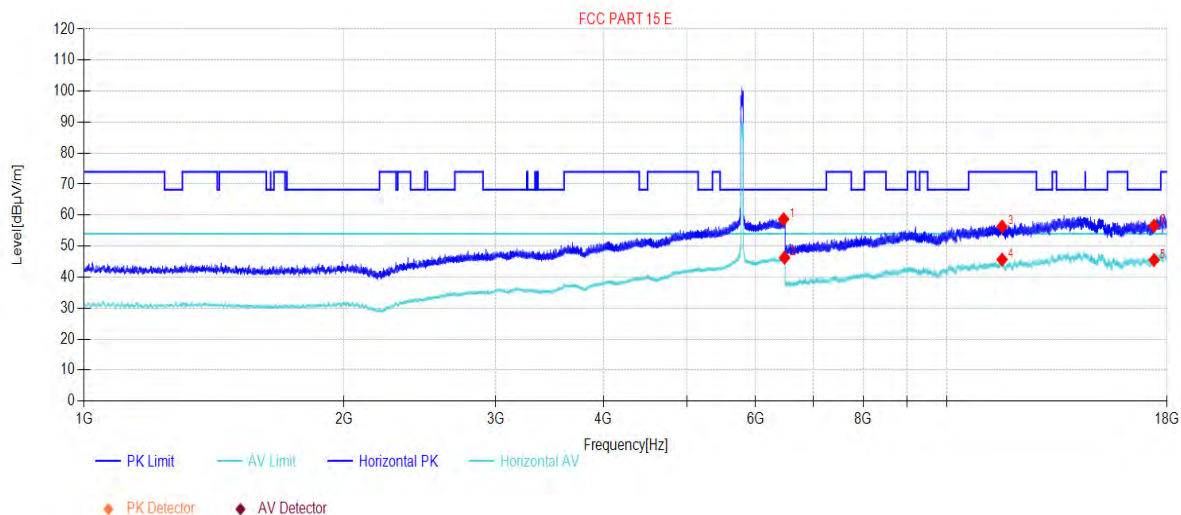


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4.9.2.65 802.11N40_Channel 159 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6468.83	58.69	18.54	68.20	9.51	165	138	Horizontal
2	6484.59	46.30	18.63	54.00	7.70	145	70	Horizontal
3	11590.0	56.32	3.16	74.00	17.68	200	136	Horizontal
4	11590.0	45.69	3.16	54.00	8.31	165	29	Horizontal
5	17385.0	45.55	6.82	54.00	8.45	178	29	Horizontal
6	17385.0	56.60	6.82	68.20	11.60	168	10	Horizontal

Final Data List

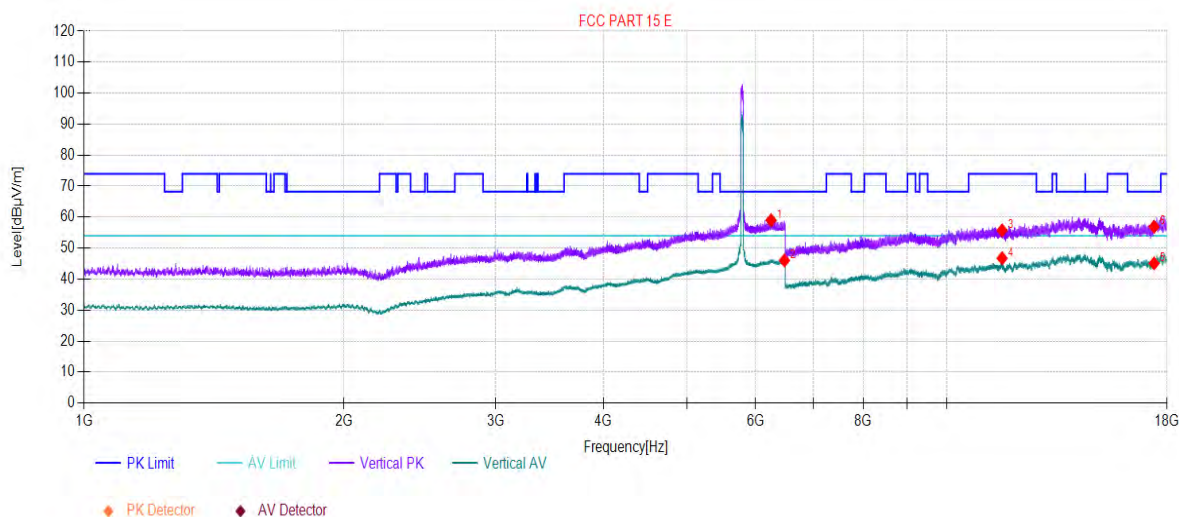


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4.9.2.66 802.11N40_Channel 159 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6255.78	59.00	18.27	68.20	9.20	285	118	Vertical
2	6483.13	46.05	18.62	54.00	7.95	255	22	Vertical
3	11590.0	55.74	3.16	74.00	18.26	235	22	Vertical
4	11590.0	46.75	3.16	54.00	7.25	289	32	Vertical
5	17385.0	45.08	6.82	54.00	8.92	277	176	Vertical
6	17385.0	56.93	6.82	68.20	11.27	239	301	Vertical

Final Data List

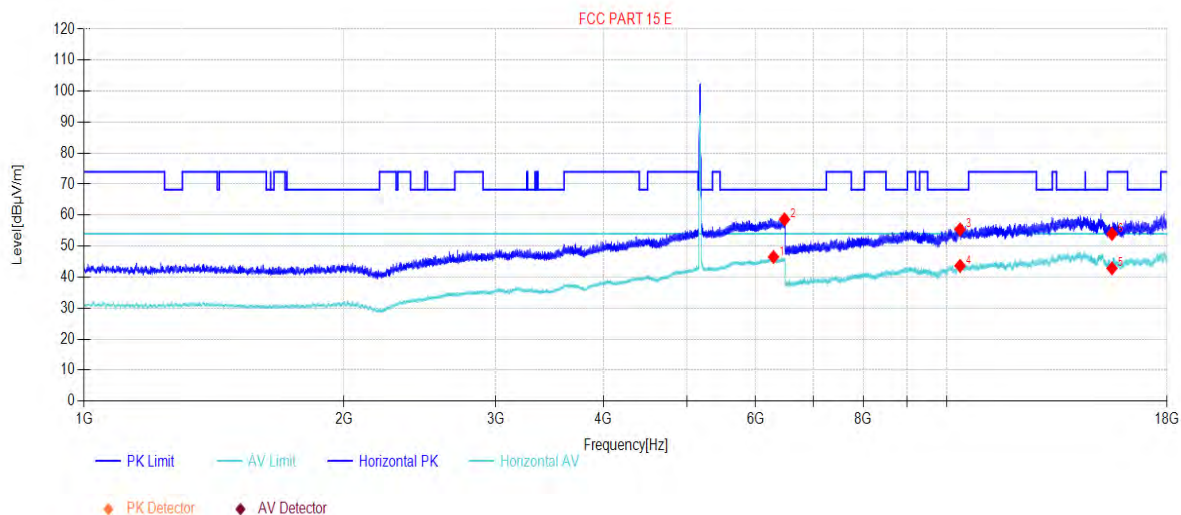


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4.9.2.67 802.11AC20_Channel 36 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6296.11	46.49	18.47	54.00	7.51	157	207	Horizontal
2	6483.49	58.66	18.62	68.20	9.54	136	71	Horizontal
3	10360.0	55.39	2.38	68.20	12.81	156	0	Horizontal
4	10360.0	43.63	2.38	54.00	10.37	144	5	Horizontal
5	15540.0	42.84	5.88	54.00	11.16	177	185	Horizontal
6	15540.0	53.94	5.88	74.00	20.06	178	110	Horizontal

Final Data List

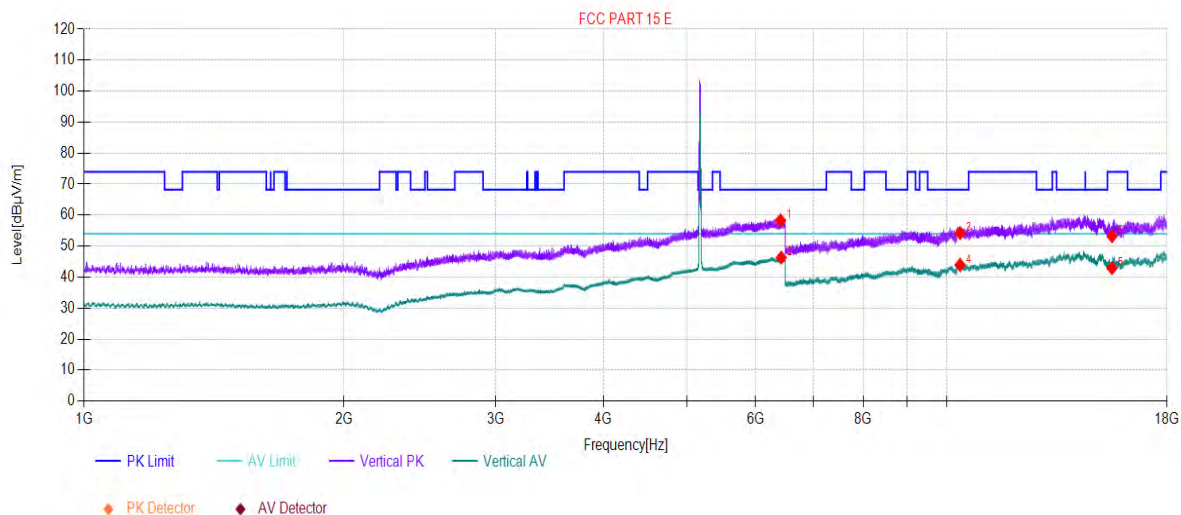


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4.9.2.68 802.11AC20_Channel 36 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6415.66	58.34	18.25	68.20	9.86	256	3	Vertical
2	6427.76	46.30	18.31	54.00	7.70	248	266	Vertical
3	10360.0	54.25	2.38	68.20	13.95	268	319	Vertical
4	10360.0	43.96	2.38	54.00	10.04	274	319	Vertical
5	15540.0	42.91	5.88	54.00	11.09	242	137	Vertical
6	15540.0	53.23	5.88	74.00	20.77	212	357	Vertical

Final Data List

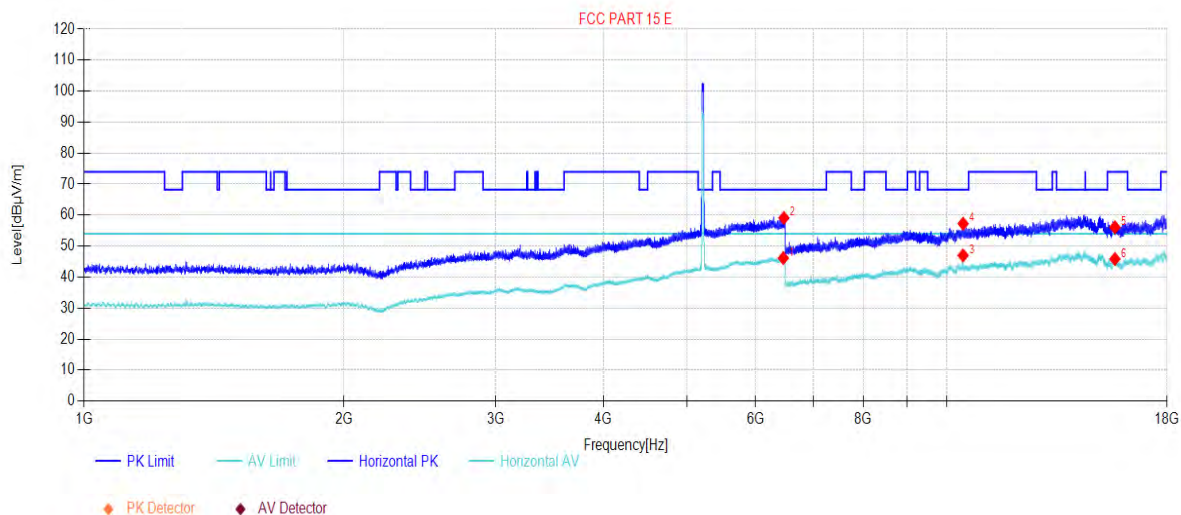


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4.9.2.69 802.11AC20_Channel 44 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6462.96	46.16	18.51	54.00	7.84	136	139	Horizontal
2	6473.59	59.11	18.57	68.20	9.09	168	234	Horizontal
3	10444.6	47.00	2.46	54.00	7.00	150	5	Horizontal
4	10445.5	57.26	2.46	68.20	10.94	188	5	Horizontal
5	15660.0	56.09	6.12	74.00	17.91	159	110	Horizontal
6	15660.0	45.85	6.12	54.00	8.15	153	120	Horizontal

Final Data List

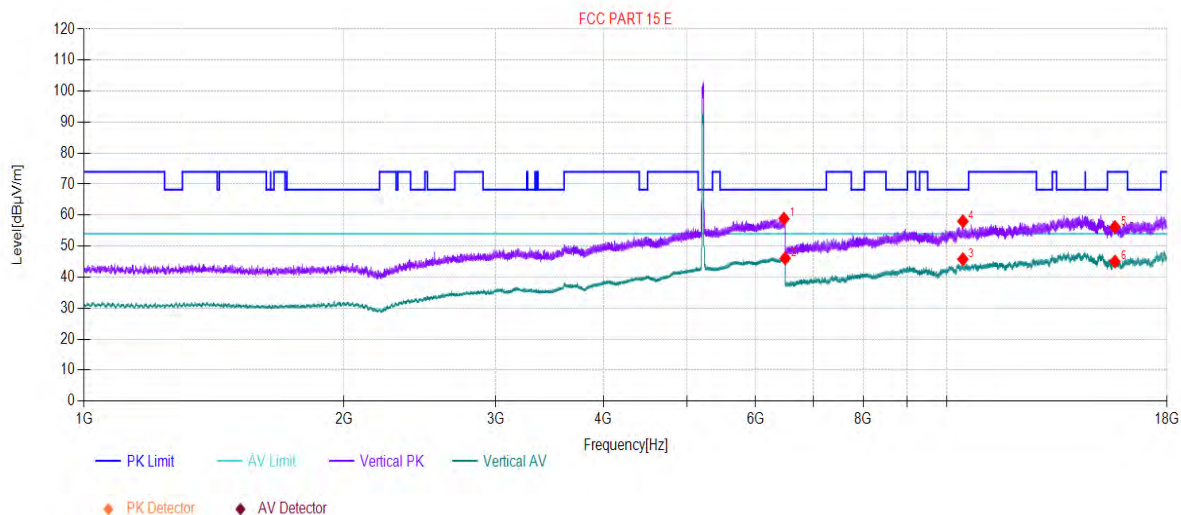


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4.9.2.70 802.11AC20_Channel 44 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6475.79	58.85	18.58	68.20	9.35	245	281	Vertical
2	6495.59	46.08	18.69	54.00	7.92	278	159	Vertical
3	10437.2	45.78	2.46	54.00	8.22	256	357	Vertical
4	10438.6	58.01	2.46	68.20	10.19	278	0	Vertical
5	15660.0	56.19	6.12	74.00	17.81	289	72	Vertical
6	15660.0	45.02	6.12	54.00	8.98	246	244	Vertical

Final Data List

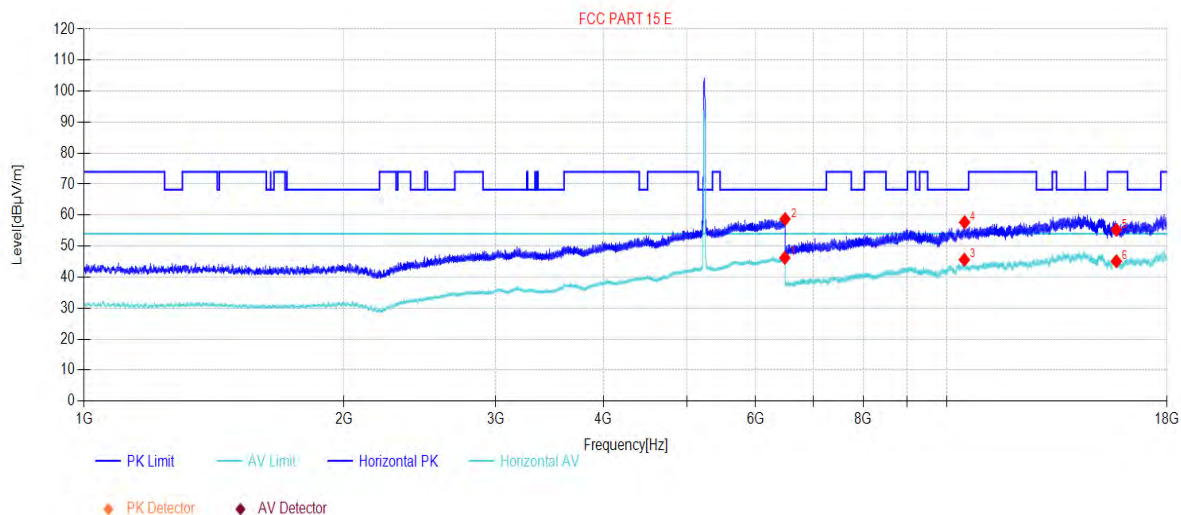


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4.9.2.71 802.11AC20_Channel 48 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6489.36	46.23	18.66	54.00	7.77	175	260	Horizontal
2	6494.13	58.75	18.68	68.20	9.45	168	117	Horizontal
3	10479.6	45.64	2.49	54.00	8.36	164	0	Horizontal
4	10485.5	57.68	2.49	68.20	10.52	154	4	Horizontal
5	15720.0	55.25	5.92	74.00	18.75	187	271	Horizontal
6	15720.0	45.11	5.92	54.00	8.89	166	128	Horizontal

Final Data List



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