

Report No.: HR/2020/B000705
Page: 1 of 513

FCC TEST REPORT

Application No.:	HR/2020/B0007
Applicant:	Honor Device Co., Ltd.
Address of Applicant	Suite 3401, Unit A, Building 6, Shum Yip Sky Park, No. 8089, Hongli West Road, Xiangmihu Street, Futian District, Shenzhen, Guangdong 518040, People's Republic of China
Manufacturer:	Honor Device Co., Ltd.
Address of Manufacturer	Suite 3401, Unit A, Building 6, Shum Yip Sky Park, No. 8089, Hongli West Road, Xiangmihu Street, Futian District, Shenzhen, Guangdong 518040, People's Republic of China
EUT Description:	Smart Phone
Model No.:	CHL-LX1
Trade Mark:	HONOR
FCC ID:	2AYGCCHL-LX1
Standards:	47 CFR FCC Part 2, Subpart J 47 CFR FCC Part 15, Subpart C 47 CFR FCC Part 15, Subpart E
Test Method:	KDB 789033 D02 General UNII Test Procedures New Rules v02 FCC KDB 558074 D01 DTS Meas Guidance v0502 KDB 662911 D01 Multiple Transmitter Output v02r01 KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02 KDB 905462 D03 Client Without DFS New Rules v01r02 ANSI C63.10-2013, American National Standard for Testing Unlicensed Wireless Devices
Date of Receipt:	2020/12/9
Date of Test:	2020/12/9 to 2020/12/31
Date of Issue:	2021/2/22
Test Result :	PASS *

* 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		2020-12-31		Original
02		2021-2-22		Comment Revised

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

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2 Test Summary

Test Item	Band	FCC rules	Test Requirements	Test Result	Result
26dB Emission Bandwidth	5150-5250	15.403(i) 15.407(a)(1)	No limit.	Clause 4.5	PASS
	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
99% Occupied Bandwidth	5150-5250	KDB 789033 D02§ D	No limit.	Clause 4.7	PASS
	5250-5350				
	5470-5725				
	5725-5850				
Duty Cycle	5150-5850	--	No limit.	Clause 4.3	PASS
Maximum Conducted Output Power	5150-5250	15.407(a)(1) 15.407(a)(4)	FCC < 250mW (avg during transmission)	Clause 4.4	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)	Clause 4.8	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).	Clause 4.9	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)	F<1GHz: §15.209/§7.2.5 limit (QP).		PASS

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		15.407(b)(7) 15.209	F \geq 1GHz & out-restricted: <-27dBm/MHz PK e.i.r.p. (exl. 5.47-5.725 GHz). F \geq 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 \geq 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 \geq 1GHz & in-restricted: §15.209/§7.2.5 limit (AV&PK).		PASS
Unwanted Emissions in the Restricted Bands (Radiated)	5150-5250 5250-5350 5470-5725 5725-5850	15.209	---	Clause 4.10	PASS
AC Power Line Conducted Emissions	5150-5250 5250-5350 5470-5725 5725-5850	15.207	---	Clause 4.2	PASS
Frequency Stability	5150-5250 5250-5350 5470-5725 5725-5850	15.209	---	Clause 4.11	PASS
Dynamic Frequency Selection	5250-5350 5470-5725	47 CFR Part 15, Subpart E 15.407	Channel Move Time:10 Seconds	Clause 4.12	PASS

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3 General Information

3.1 Details of Client

Applicant:	Honor Device Co., Ltd.
Address of Applicant	Suite 3401, Unit A, Building 6, Shum Yip Sky Park, No. 8089, Hongli West Road, Xiangmihu Street, Futian District, Shenzhen, Guangdong 518040, People's Republic of China
Manufacturer:	Honor Device Co., Ltd.
Address of Manufacturer	Suite 3401, Unit A, Building 6, Shum Yip Sky Park, No. 8089, Hongli West Road, Xiangmihu Street, Futian District, Shenzhen, Guangdong 518040, People's Republic of China

3.2 Test Location

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

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3.3 Test Facility

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

• **CNAS (No. CNAS L2929)**

CNAS has accredited SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

• **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.

• **Industry Canada (IC)**

Two 3m Semi-anechoic chambers and the 10m Semi-anechoic chamber of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab have been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 4620C-1, 4620C-2, 4620C-3.

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3.4 General Description of EUT

EUT Description:	Smart Phone
Model No.:	CHL-LX1
Trade Mark:	HONOR
Hardware Version:	HL3CHLM
Software Version:	5.0.1.68(C900E10R1P2)
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) <input type="checkbox"/> 802.11ac (160 MHz channel bandwidth)
Operation Frequency:	IEEE 802.11n(HT20/40)/ ac(HT20/40/80): 5150MHz to 5250MHz IEEE 802.11n(HT20/40)/ ac(HT20/40/80): 5250MHz to 5350MHz IEEE 802.11n(HT20/40)/ ac(HT20/40/80): 5470MHz to 5725MHz IEEE 802.11n(HT20/40)/ ac(HT20/40/80): 5725MHz to 5850MHz
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 1, <input type="checkbox"/> Ant 2, <input type="checkbox"/> Ant 3
Smart System	<input checked="" type="checkbox"/> SISO (for 802.11a/n/ac), <input type="checkbox"/> MIMO (for 802.11n/ac), <input type="checkbox"/> Diversity (for 802.11a).
Antenna Gain:	-0.5dBi

Remark:

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

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

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For UNII Band I:

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

For UNII Band II-A:

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

For UNII Band II-C:

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

For UNII Band III:

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

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3.5 Test Environment and Mode

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

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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 -0.5dBi.	

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
	0.15-0.5		66 to 56*
	0.5-5		56
	5-30		60
* 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 $50\Omega/50\mu\text{H} + 5\Omega$ linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10: 2013 on conducted measurement.		

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

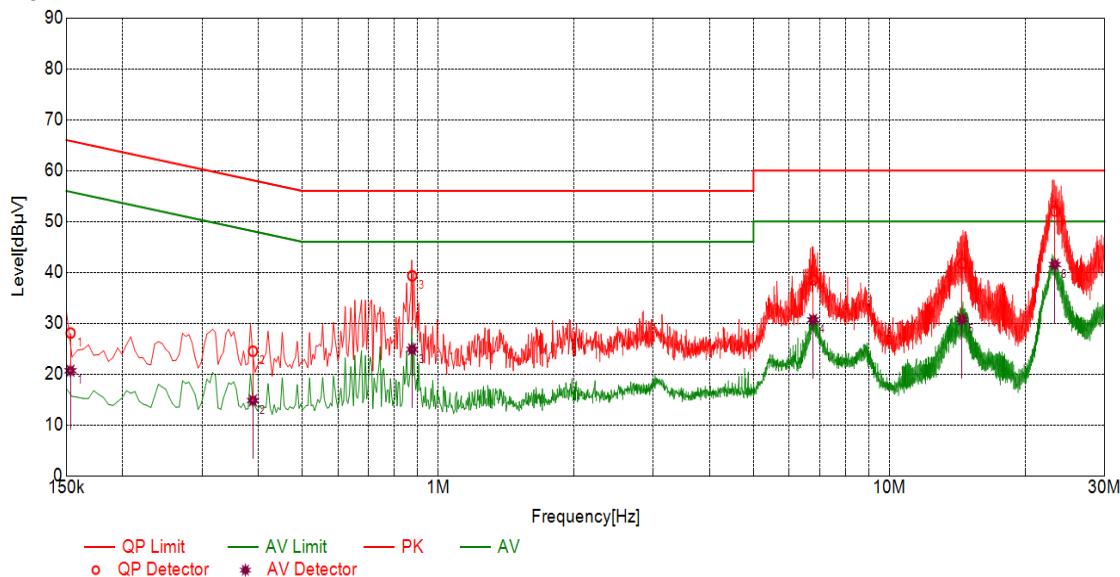
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Measurement Data

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

Live Line:



Test Graph

Final Data List									
NO.	Freq. [MHz]	Factor [dB]	QP Value [dB]	QP Limit [dB]	QP Margin [dB]	AV Value [dB]	AV Limit [dB]	AV Margin [dB]	Type
1	0.1533	10.10	28.07	65.82	37.75	20.66	55.82	35.16	L
2	0.3888	10.10	24.49	58.09	33.60	14.81	48.09	33.28	L
3	0.8761	10.10	39.32	56.00	16.68	24.85	46.00	21.15	L
4	6.7770	10.10	38.52	60.00	21.48	30.66	50.00	19.34	L
5	14.4854	10.11	41.72	60.00	18.28	30.74	50.00	19.26	L
6	23.2652	10.11	52.04	60.00	7.96	41.53	50.00	8.47	L

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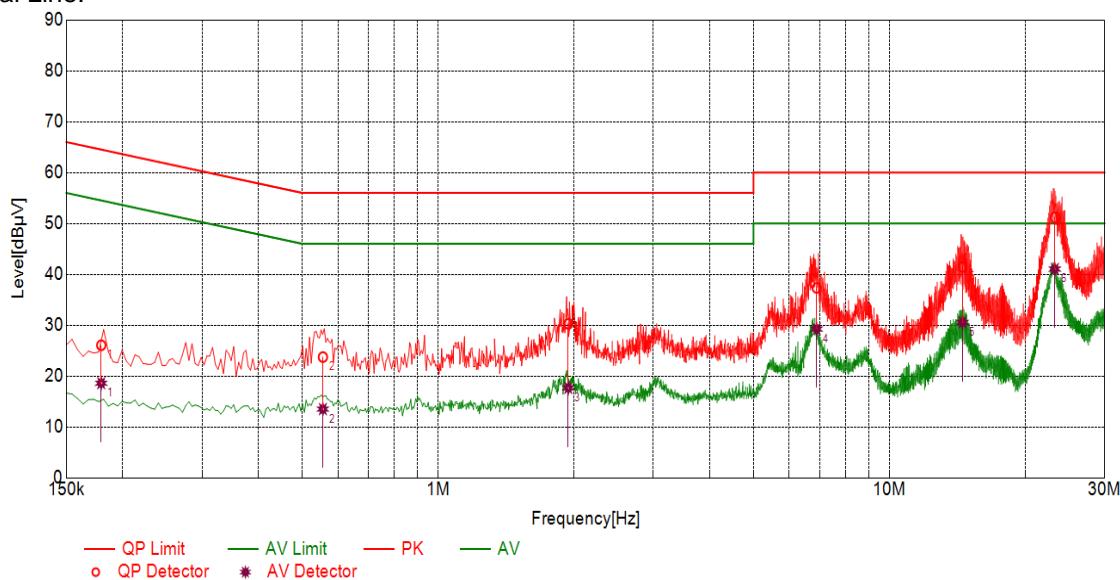


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Neutral Line:

**Test Graph**

Final Data List									
NO.	Freq. [MHz]	Factor [dB]	QP Value	QP Limit	QP Margin	AV Value	AV Limit	AV Margin	Type
1	0.1793	10.10	26.06	64.52	38.46	18.60	54.52	35.92	N
2	0.5556	10.10	23.74	56.00	32.26	13.51	46.00	32.49	N
3	1.9434	10.10	30.28	56.00	25.72	17.67	46.00	28.33	N
4	6.8997	10.10	37.34	60.00	22.66	29.25	50.00	20.75	N
5	14.5225	10.11	41.45	60.00	18.55	30.56	50.00	19.44	N
6	23.2635	10.11	51.20	60.00	8.80	41.04	50.00	8.96	N

Remarks:

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

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4.3 Duty Cycle

The detailed test data see: **Appendix**



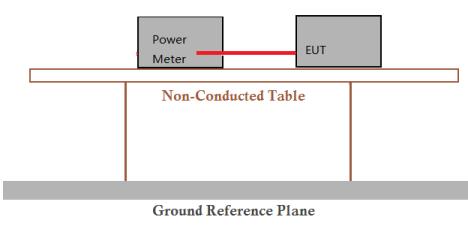
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4.4 Conducted Output Power

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(HT20). MCS0 of rate is the worst case of 802.11ac(HT40). MCS0 of rate is the worst case of 802.11ac(HT80). 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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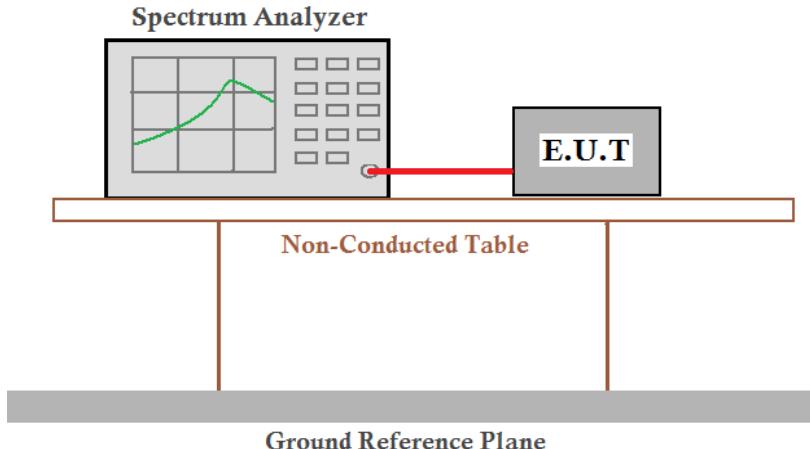
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4.5 26dB Emission Bandwidth

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(HT20). MCS0 of rate is the worst case of 802.11ac(HT40). MCS0 of rate is the worst case of 802.11ac(HT80). 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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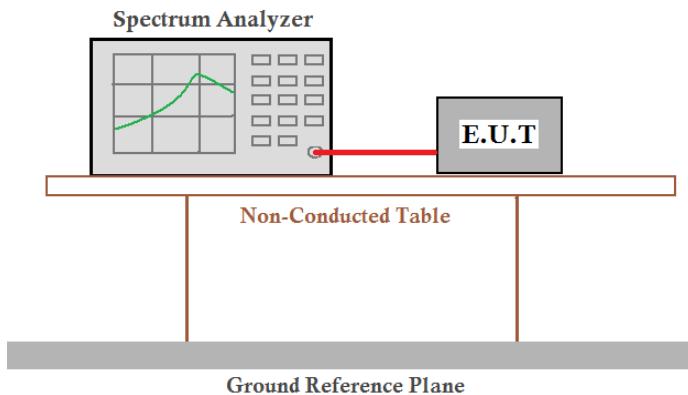
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4.6 6dB Emission Bandwidth

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(HT20). MCS0 of rate is the worst case of 802.11ac(HT40). MCS0 of rate is the worst case of 802.11ac(HT80). Only the worst case is recorded in the report.	
Limit:	Frequency Band	Limit
	5725-5850MHz	At least 500kHz
Test Results:	Pass	

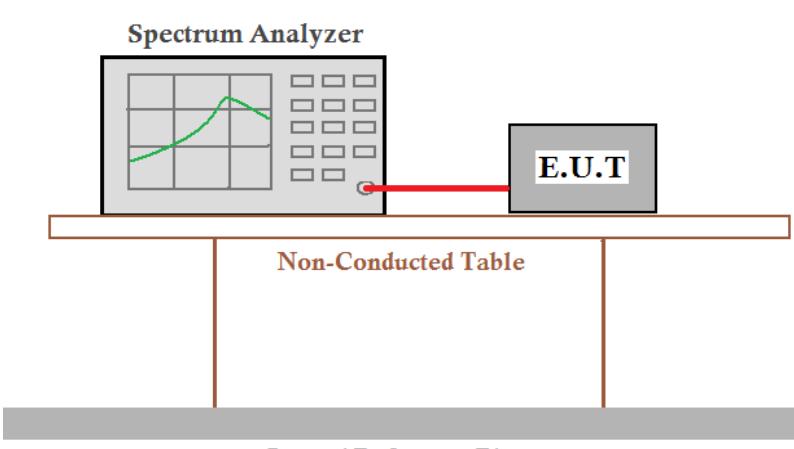
The detailed test data see: **Appendix**



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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(HT20). MCS0 of rate is the worst case of 802.11ac(HT40). Only the worst case is recorded in the report.
Limit:	No restriction limits
Test Results:	Pass

The detailed test data see: **Appendix**



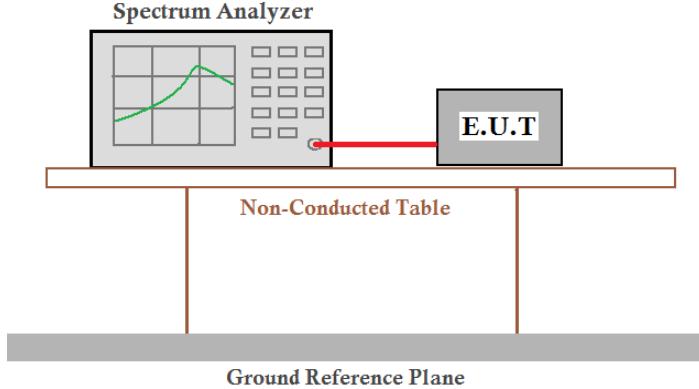
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4.8 Power Spectral Density

Test Requirement:	47 CFR Part 15 Section 15.407(a)	
Test Method:	ANSI C63.10: 2013 KDB 789033 D02 v02r01, Section F.	
Test Setup:		
Instruments Used:	Refer to section 6 for details	
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates	
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate is the worst case of 802.11a; MCS0 of rate is the worst case of 802.11n(HT20) ; MCS0 of rate is the worst case of 802.11n(HT40); MCS0 of rate is the worst case of 802.11ac(HT20). MCS0 of rate is the worst case of 802.11ac(HT40). MCS0 of rate is the worst case of 802.11ac(HT80). 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:	

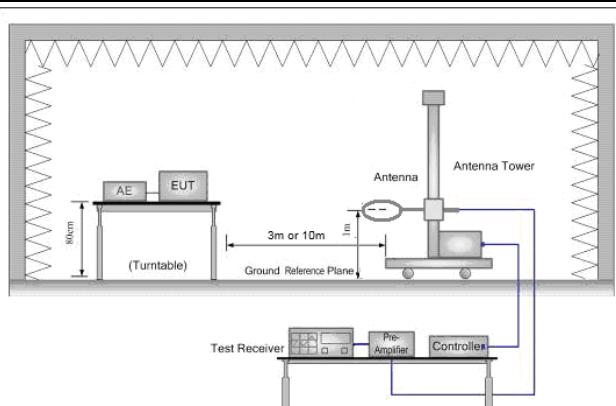


Figure 1. Below 30MHz

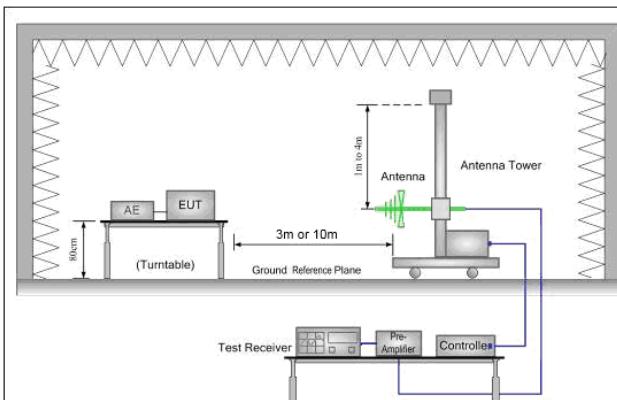


Figure 2. 30MHz to 1GHz

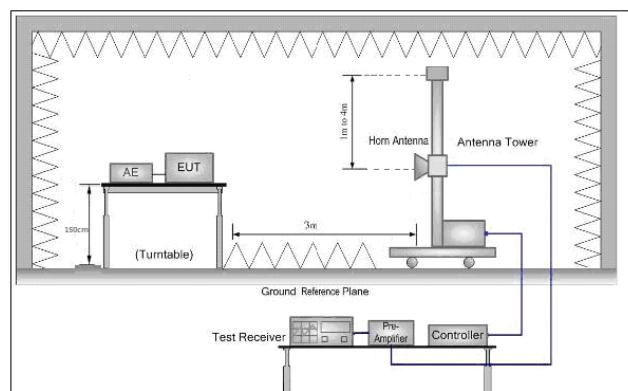


Figure 3. Above 1 GHz

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
-----------------	--

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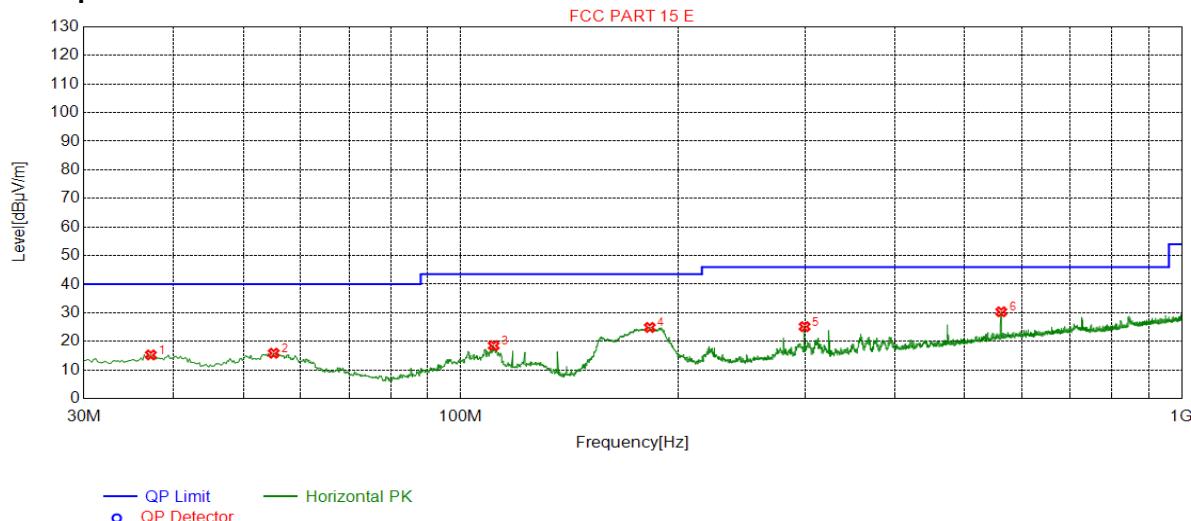
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	<p>then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.</p> <p>f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</p> <p>g. Test the EUT in the outermost channels.</p> <p>h. 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.</p> <p>i. Repeat above procedures until all frequencies measured was complete.</p>
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates.
Test Configuration:	<p>Measurements Below 1000MHz</p> <ul style="list-style-type: none"> • RBW = 120 kHz • VBW = 300 kHz • Detector = Peak • 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.
Final Test Mode:	<p>Through Pre-scan, find the 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(HT20).</p> <p>MCS0 of rate is the worst case of 802.11ac(HT40).</p> <p>MCS0 of rate is the worst case of 802.11ac(HT80).</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

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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	37.1794	15.28	40.00	24.72	200	274	Horizontal
2	55.0310	15.88	40.00	24.12	200	45	Horizontal
3	111.1082	18.52	43.50	24.98	200	226	Horizontal
4	182.9026	24.89	43.50	18.61	200	209	Horizontal
5	299.9080	25.18	46.00	20.82	100	314	Horizontal
6	562.0544	30.37	46.00	15.63	200	250	Horizontal

Final Data List

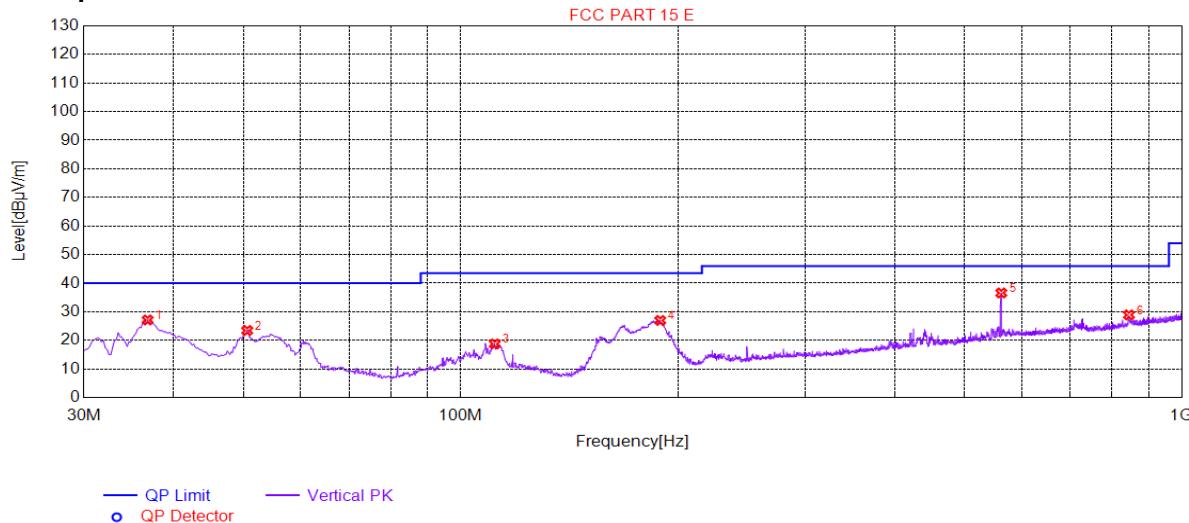
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Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	36.7914	27.15	40.00	12.85	100	340	Vertical
2	50.5681	23.48	40.00	16.52	100	344	Vertical
3	111.4963	18.79	43.50	24.71	100	183	Vertical
4	189.1118	26.98	43.50	16.52	100	352	Vertical
5	562.0544	36.60	46.00	9.40	100	360	Vertical
6	844.9630	28.93	46.00	17.07	100	14	Vertical

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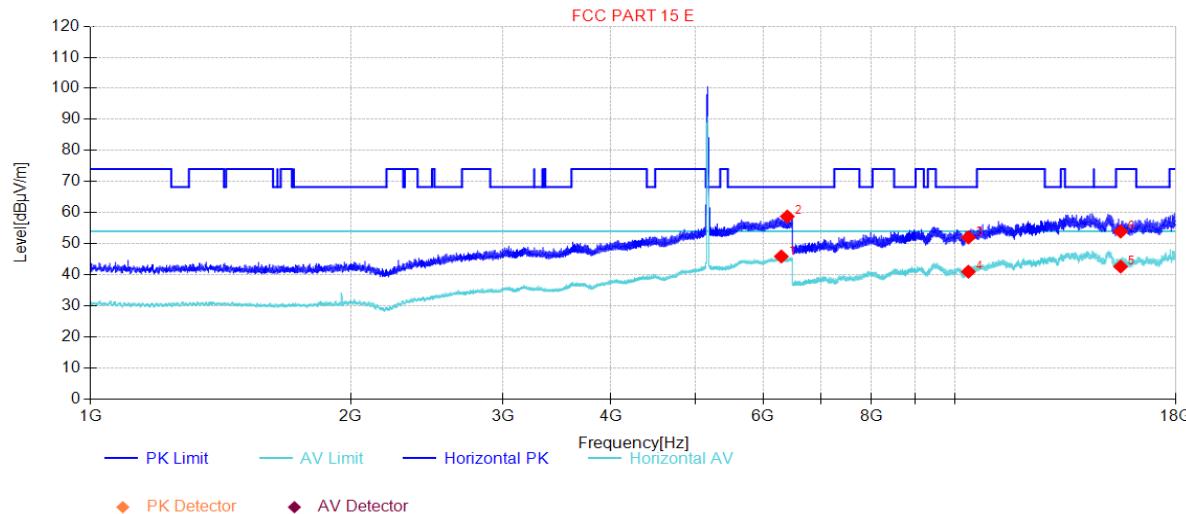
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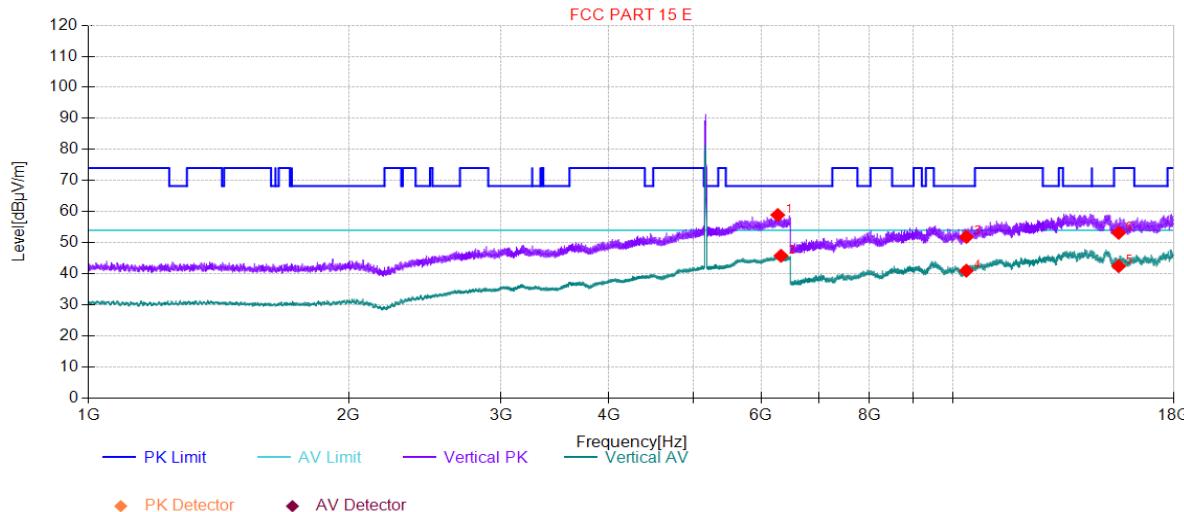
4.9.2 Transmitter emission above 1GHz
4.9.2.1 802.11A_Channel 36**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6295.753	45.86	18.46	54.00	8.14	150	Horizontal
2	6396.593	58.73	18.17	68.20	9.47	150	Horizontal
3	10360.00	52.01	2.38	68.20	16.19	150	Horizontal
4	10360.00	40.95	2.38	54.00	13.05	150	Horizontal
5	15540.00	42.61	5.88	54.00	11.39	150	Horizontal
6	15540.00	53.90	5.88	74.00	20.10	150	Horizontal

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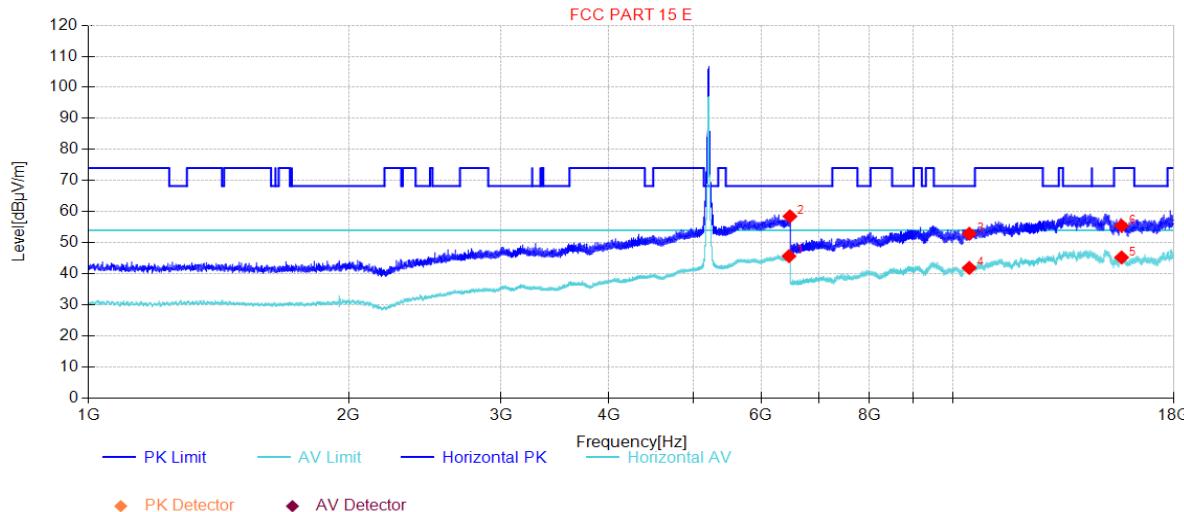
4.9.2.2 802.11A_Channel 36**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6269.351	58.90	18.34	68.20	9.30	150	Vertical
2	6322.888	45.75	18.41	54.00	8.25	150	Vertical
3	10360.00	51.83	2.38	68.20	16.37	150	Vertical
4	10360.00	40.97	2.38	54.00	13.03	150	Vertical
5	15540.00	42.43	5.88	54.00	11.57	150	Vertical
6	15540.00	53.16	5.88	74.00	20.84	150	Vertical

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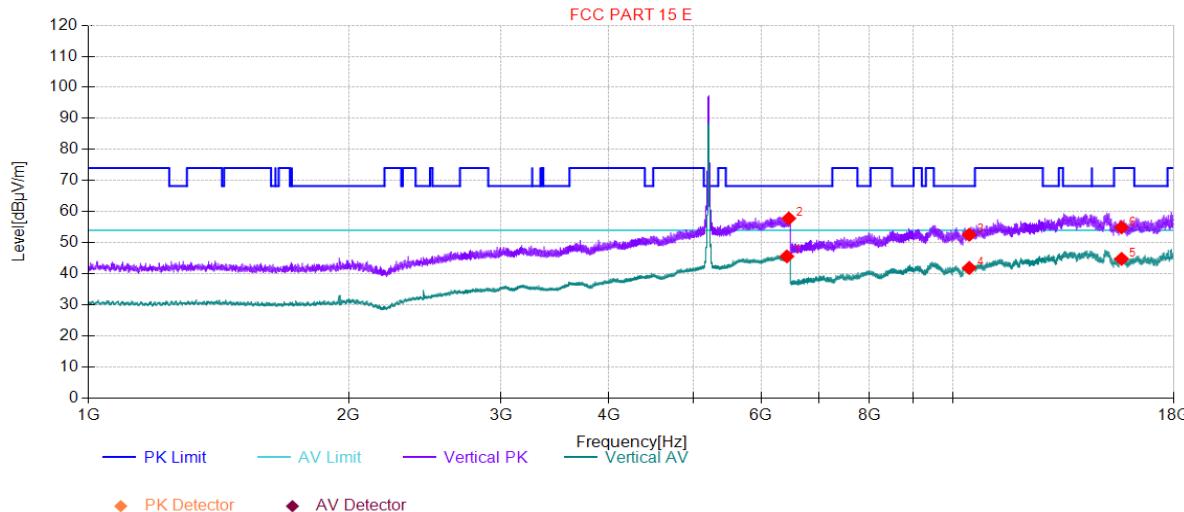
4.9.2.3 802.11A_Channel 44**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6458.930	45.65	18.49	54.00	8.35	150	Horizontal
2	6475.431	58.47	18.58	68.20	9.73	150	Horizontal
3	10440.00	52.86	2.46	68.20	15.34	150	Horizontal
4	10440.00	41.86	2.46	54.00	12.14	150	Horizontal
5	15660.00	45.23	6.12	54.00	8.77	150	Horizontal
6	15660.00	55.41	6.12	74.00	18.59	150	Horizontal

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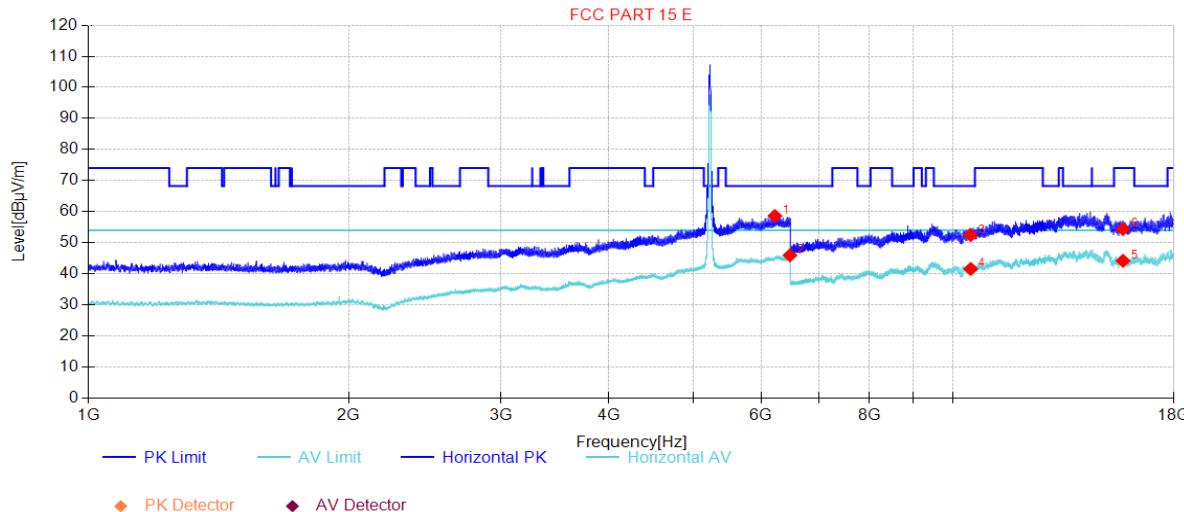
4.9.2.4 802.11A_Channel 44**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6422.994	45.57	18.29	54.00	8.43	150	Vertical
2	6455.630	57.79	18.47	68.20	10.41	150	Vertical
3	10440.00	52.56	2.46	68.20	15.64	150	Vertical
4	10440.00	41.86	2.46	54.00	12.14	150	Vertical
5	15660.00	44.76	6.12	54.00	9.24	150	Vertical
6	15660.00	54.91	6.12	74.00	19.09	150	Vertical

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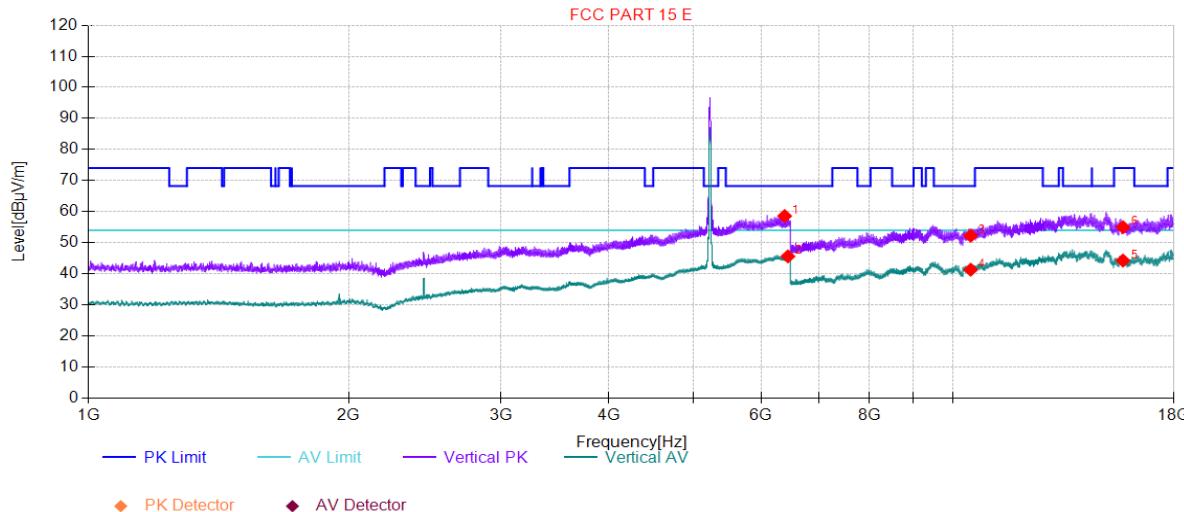
4.9.2.5 802.11A_Channel 48**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6222.048	58.59	18.11	68.20	9.61	150	Horizontal
2	6475.798	45.92	18.58	54.00	8.08	150	Horizontal
3	10480.00	52.42	2.49	68.20	15.78	150	Horizontal
4	10480.00	41.54	2.49	54.00	12.46	150	Horizontal
5	15720.00	44.13	5.92	54.00	9.87	150	Horizontal
6	15720.00	54.37	5.92	74.00	19.63	150	Horizontal

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4.9.2.6 802.11A_Channel 48**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6385.592	58.57	18.21	68.20	9.63	150	Vertical
2	6441.329	45.57	18.39	54.00	8.43	150	Vertical
3	10480.00	52.23	2.49	68.20	15.97	150	Vertical
4	10480.00	41.29	2.49	54.00	12.71	150	Vertical
5	15720.00	44.23	5.92	54.00	9.77	150	Vertical
6	15720.00	54.97	5.92	74.00	19.03	150	Vertical

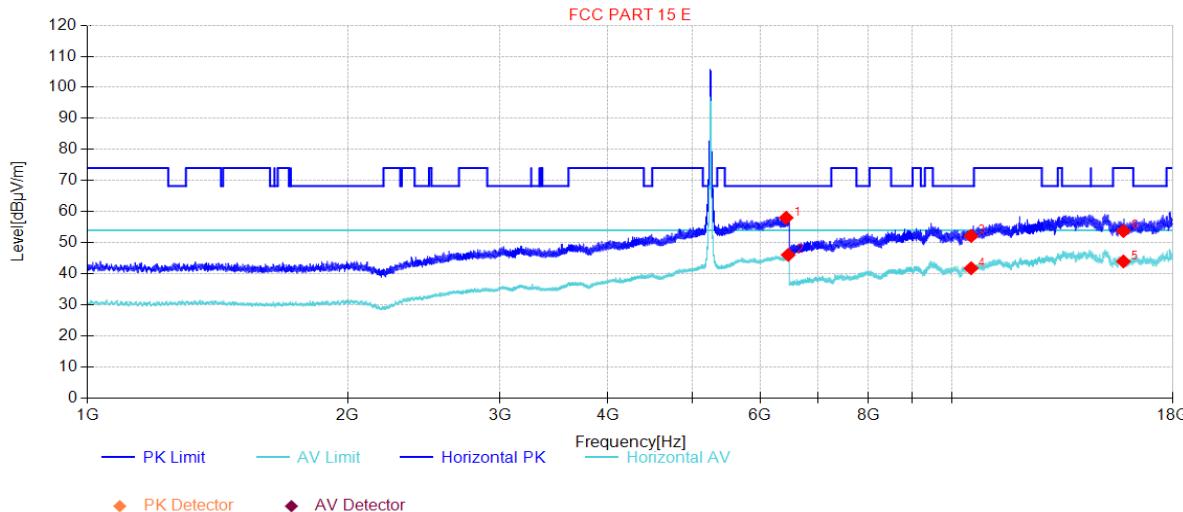
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4.9.2.7 802.11A_Channel 52

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6428.128	58.01	18.32	68.20	10.19	150	Horizontal
2	6463.330	46.06	18.51	54.00	7.94	150	Horizontal
3	10520.00	52.14	2.45	68.20	16.06	150	Horizontal
4	10520.00	41.76	2.45	54.00	12.24	150	Horizontal
5	15780.00	43.93	5.30	54.00	10.07	150	Horizontal
6	15780.00	53.73	5.30	74.00	20.27	150	Horizontal

Final Data List

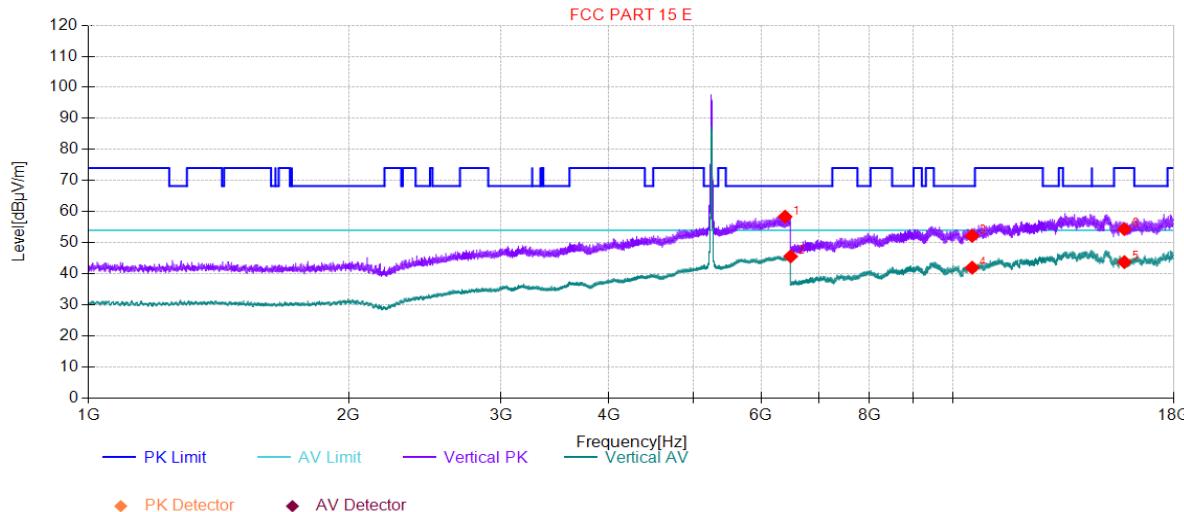


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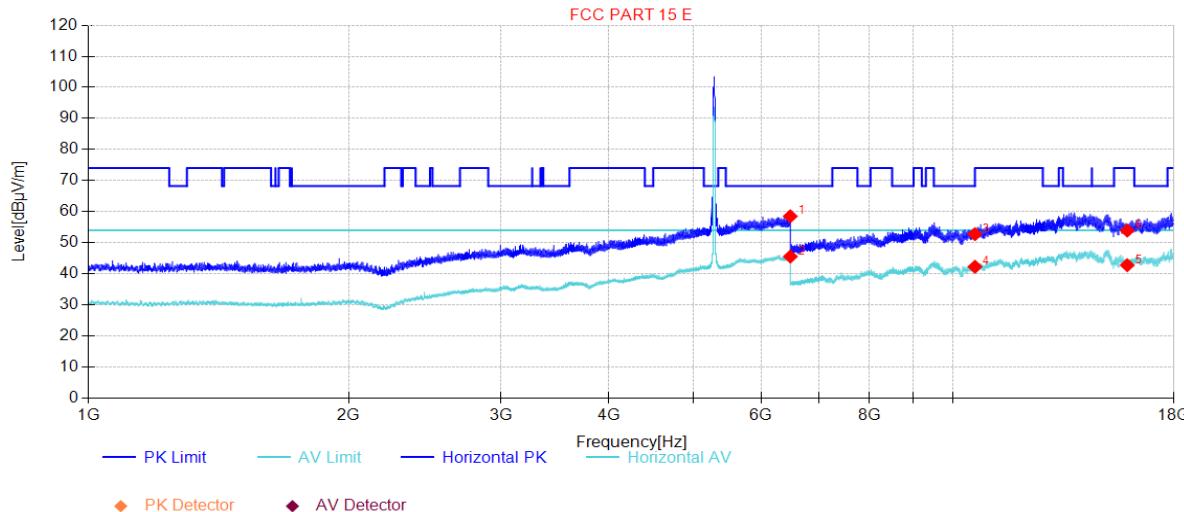
4.9.2.8 802.11A_Channel 52**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6392.926	58.35	18.18	68.20	9.85	150	Vertical
2	6488.632	45.57	18.65	54.00	8.43	150	Vertical
3	10520.00	52.18	2.45	68.20	16.02	150	Vertical
4	10520.00	41.94	2.45	54.00	12.06	150	Vertical
5	15780.00	43.73	5.30	54.00	10.27	150	Vertical
6	15780.00	54.36	5.30	74.00	19.64	150	Vertical

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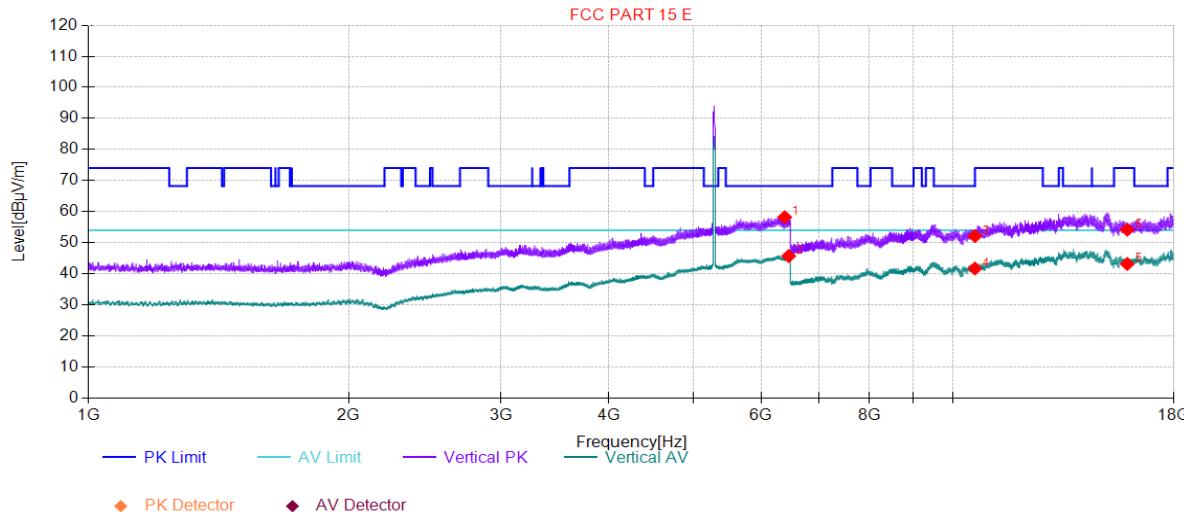
4.9.2.9 802.11A_Channel 60**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6481.665	58.48	18.61	68.20	9.72	150	Horizontal
2	6483.498	45.52	18.62	54.00	8.48	150	Horizontal
3	10600.00	52.72	2.23	74.00	21.28	150	Horizontal
4	10600.00	42.24	2.23	54.00	11.76	150	Horizontal
5	15900.00	42.73	5.29	54.00	11.27	150	Horizontal
6	15900.00	53.91	5.29	74.00	20.09	150	Horizontal

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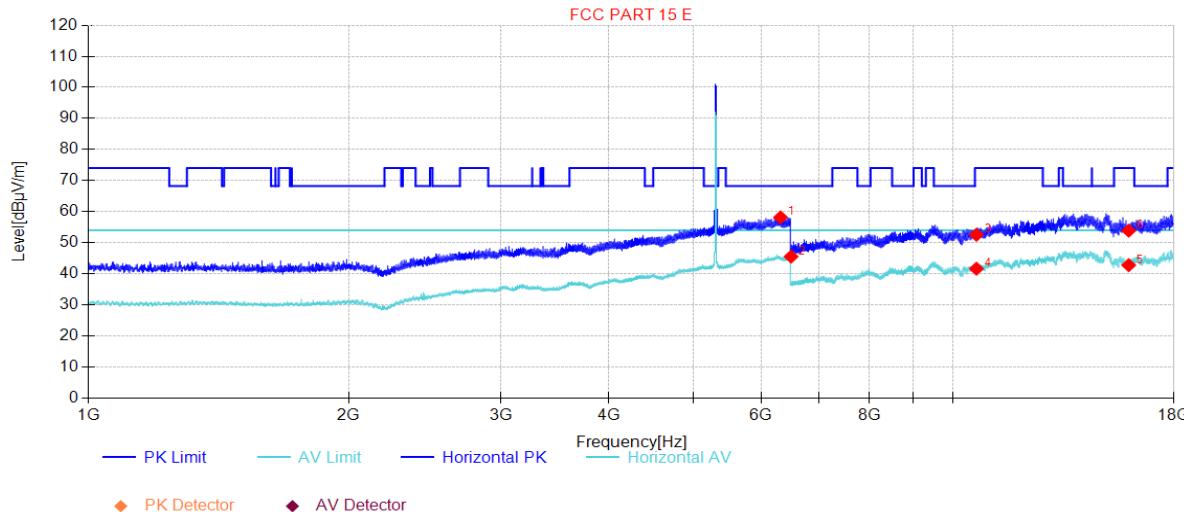
4.9.2.10 802.11A_Channel 60**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6385.592	58.18	18.21	68.20	10.02	150	Vertical
2	6454.163	45.68	18.46	54.00	8.32	150	Vertical
3	10600.00	52.11	2.23	74.00	21.89	150	Vertical
4	10600.00	41.67	2.23	54.00	12.33	150	Vertical
5	15900.00	43.13	5.29	54.00	10.87	150	Vertical
6	15900.00	54.17	5.29	74.00	19.83	150	Vertical

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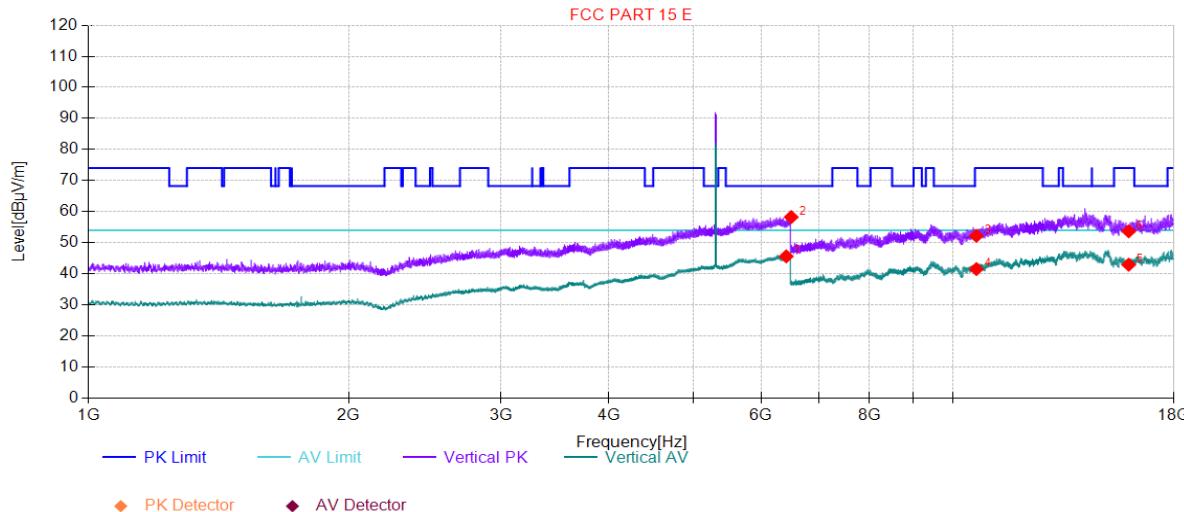
4.9.2.11 802.11A_Channel 64**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6315.554	58.14	18.43	68.20	10.06	150	Horizontal
2	6495.966	45.51	18.69	54.00	8.49	150	Horizontal
3	10640.00	52.53	2.22	74.00	21.47	150	Horizontal
4	10640.00	41.60	2.22	54.00	12.40	150	Horizontal
5	15960.00	42.74	5.01	54.00	11.26	150	Horizontal
6	15960.00	53.86	5.01	74.00	20.14	150	Horizontal

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4.9.2.12 802.11A_Channel 64**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6412.360	45.59	18.23	54.00	8.41	150	Vertical
2	6497.799	58.22	18.70	68.20	9.98	150	Vertical
3	10640.00	52.19	2.22	74.00	21.81	150	Vertical
4	10640.00	41.49	2.22	54.00	12.51	150	Vertical
5	15960.00	42.90	5.01	54.00	11.10	150	Vertical
6	15960.00	53.66	5.01	74.00	20.34	150	Vertical

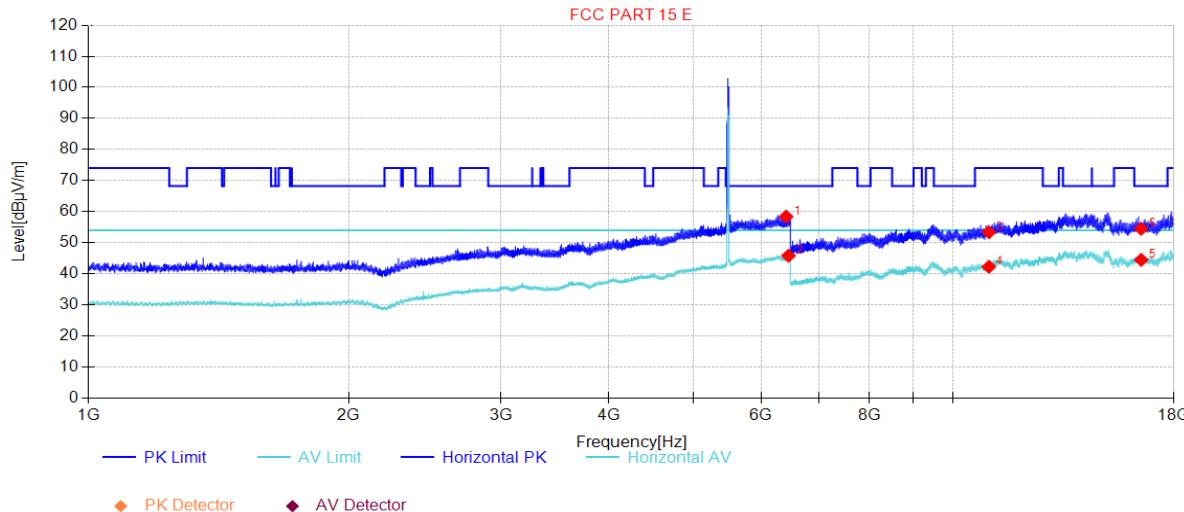
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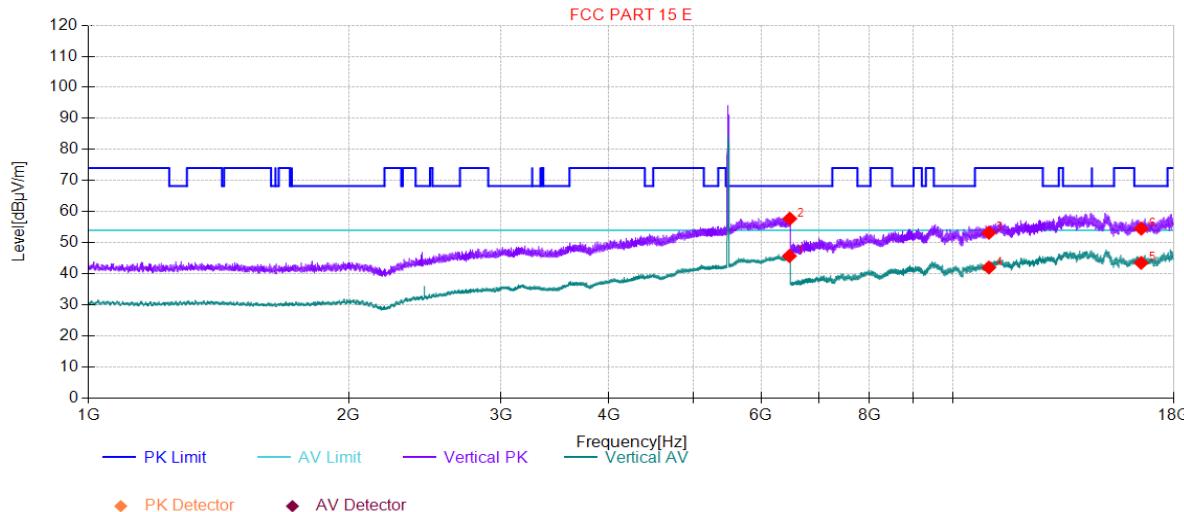
4.9.2.13 802.11A_Channel 100**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6409.794	58.37	18.21	68.20	9.83	150	Horizontal
2	6450.863	45.78	18.44	54.00	8.22	150	Horizontal
3	11000.00	53.32	2.74	74.00	20.68	150	Horizontal
4	11000.00	42.23	2.74	54.00	11.77	150	Horizontal
5	16500.00	44.46	5.09	54.00	9.54	150	Horizontal
6	16500.00	54.45	5.09	68.20	13.75	150	Horizontal

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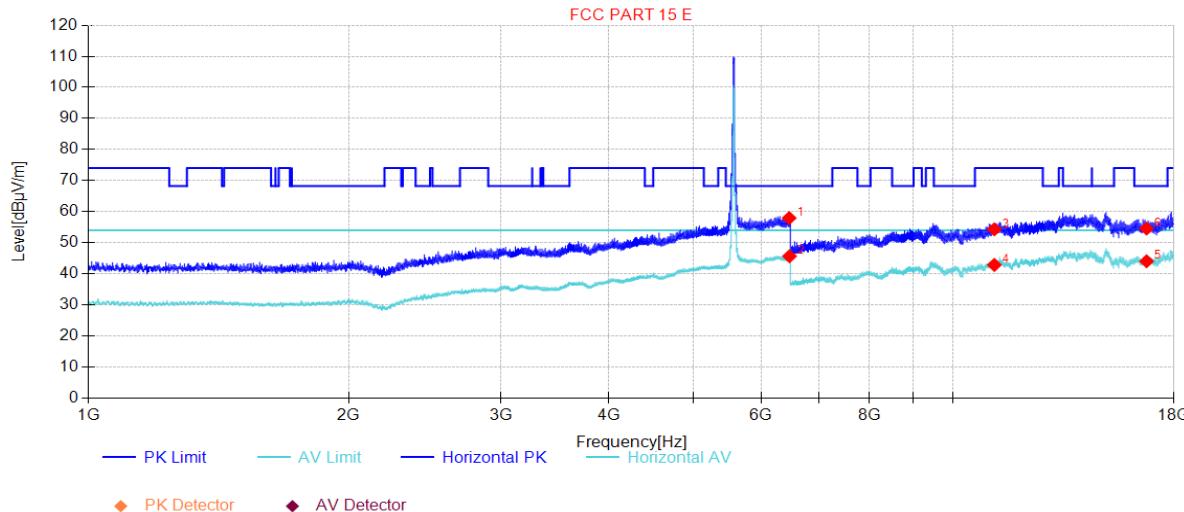
4.9.2.14 802.11A_Channel 100**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6466.264	45.69	18.53	54.00	8.31	150	Vertical
2	6472.498	57.72	18.56	68.20	10.48	150	Vertical
3	11000.00	53.16	2.74	74.00	20.84	150	Vertical
4	11000.00	41.99	2.74	54.00	12.01	150	Vertical
5	16500.00	43.48	5.09	54.00	10.52	150	Vertical
6	16500.00	54.51	5.09	68.20	13.69	150	Vertical

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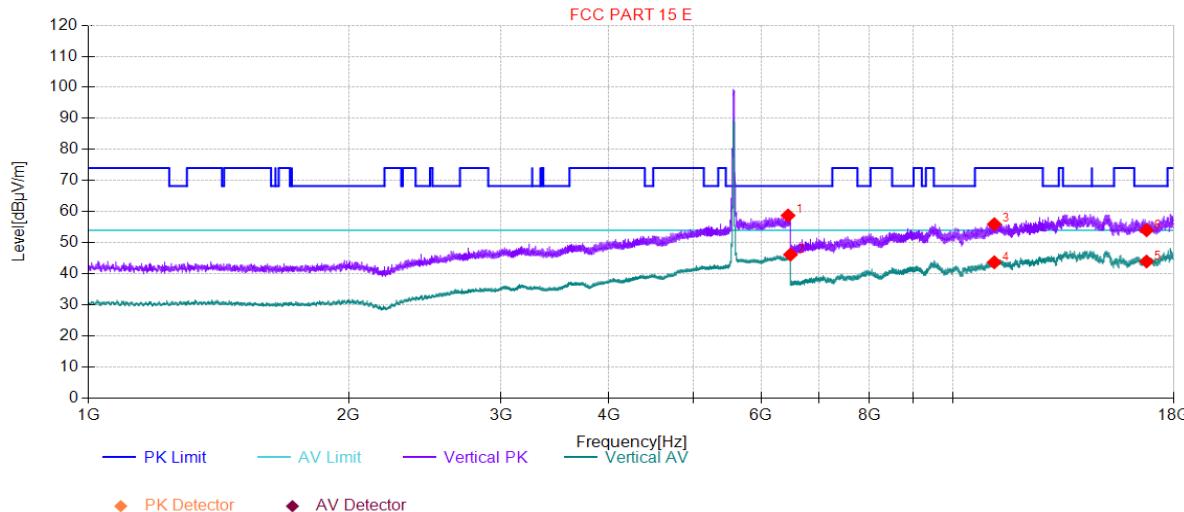
4.9.2.15 802.11A_Channel 116**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6463.330	57.92	18.51	68.20	10.28	150	Horizontal
2	6468.097	45.63	18.54	54.00	8.37	150	Horizontal
3	11160.00	54.29	2.54	74.00	19.71	150	Horizontal
4	11160.00	42.82	2.54	54.00	11.18	150	Horizontal
5	16740.00	44.00	5.53	54.00	10.00	150	Horizontal
6	16740.00	54.52	5.53	68.20	13.68	150	Horizontal

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4.9.2.16 802.11A_Channel 116**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6444.263	58.73	18.41	68.20	9.47	150	Vertical
2	6485.332	46.14	18.63	54.00	7.86	150	Vertical
3	11160.00	55.94	2.54	74.00	18.06	150	Vertical
4	11160.00	43.66	2.54	54.00	10.34	150	Vertical
5	16740.00	43.92	5.53	54.00	10.08	150	Vertical
6	16740.00	53.99	5.53	68.20	14.21	150	Vertical

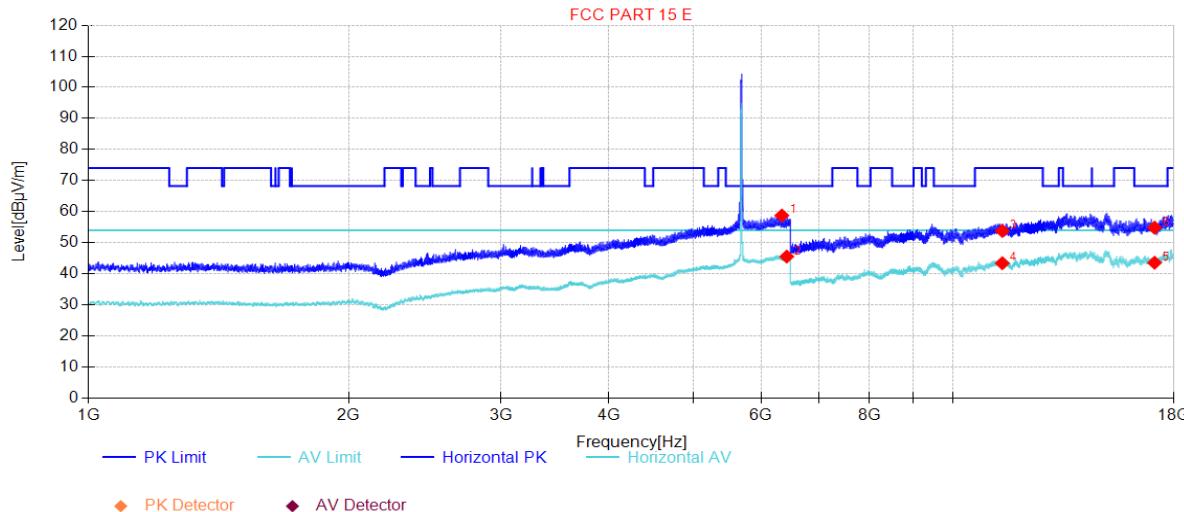
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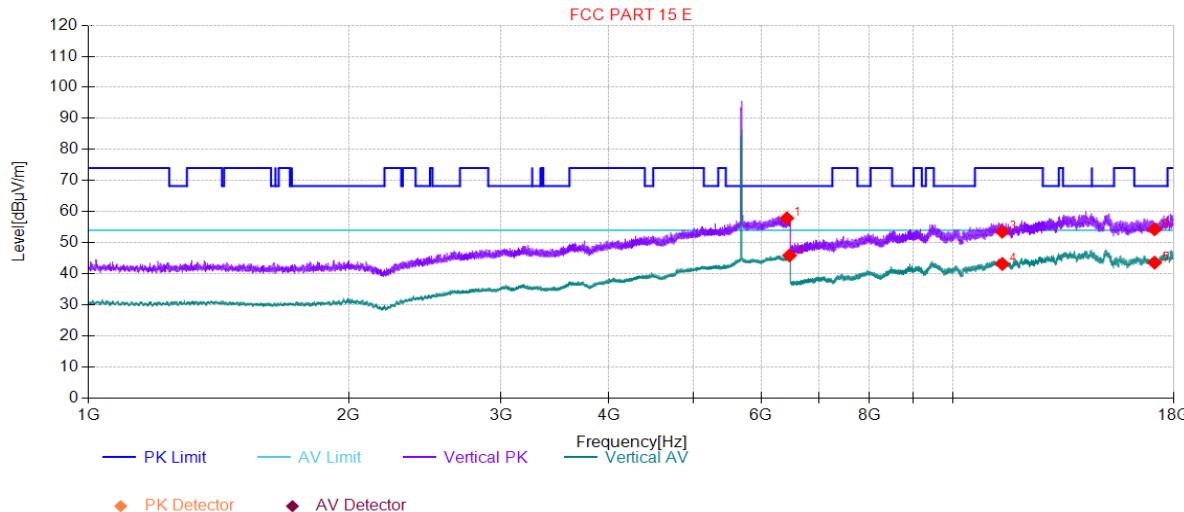
4.9.2.17 **802.11A_Channel 140****Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6337.555	58.73	18.36	68.20	9.47	150	Horizontal
2	6420.794	45.51	18.28	54.00	8.49	150	Horizontal
3	11400.00	53.79	2.54	74.00	20.21	150	Horizontal
4	11400.00	43.38	2.54	54.00	10.62	150	Horizontal
5	17100.00	43.54	5.72	54.00	10.46	150	Horizontal
6	17100.00	54.82	5.72	68.20	13.38	150	Horizontal

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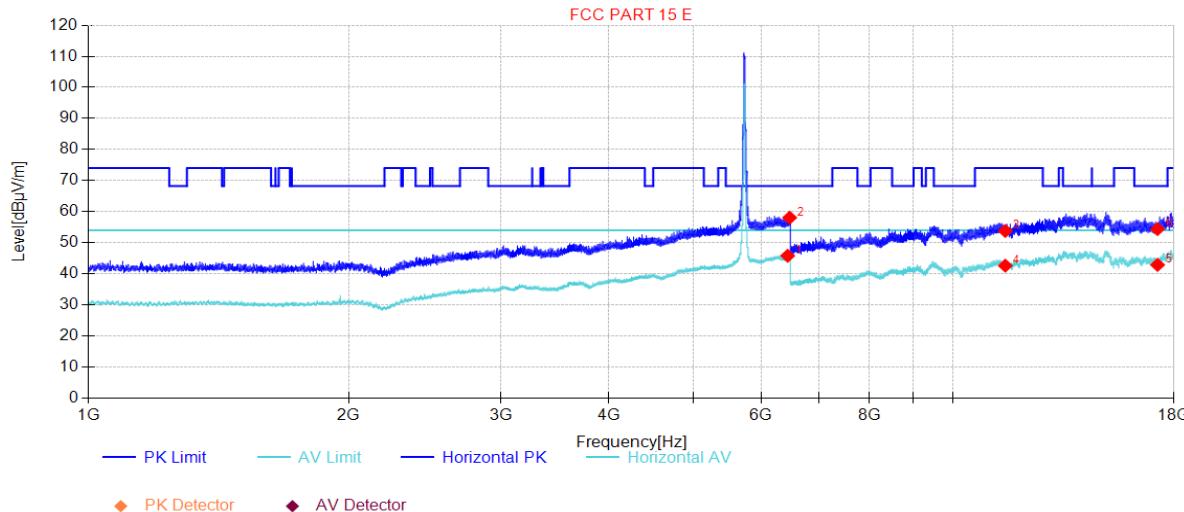
4.9.2.18 802.11A_Channel 140**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6422.628	57.84	18.29	68.20	10.36	150	Vertical
2	6469.931	45.87	18.55	54.00	8.13	150	Vertical
3	11400.00	53.52	2.54	74.00	20.48	150	Vertical
4	11400.00	43.14	2.54	54.00	10.86	150	Vertical
5	17100.00	43.56	5.72	54.00	10.44	150	Vertical
6	17100.00	54.31	5.72	68.20	13.89	150	Vertical

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4.9.2.19 802.11A_Channel 149**Test Graph****Suspected List**

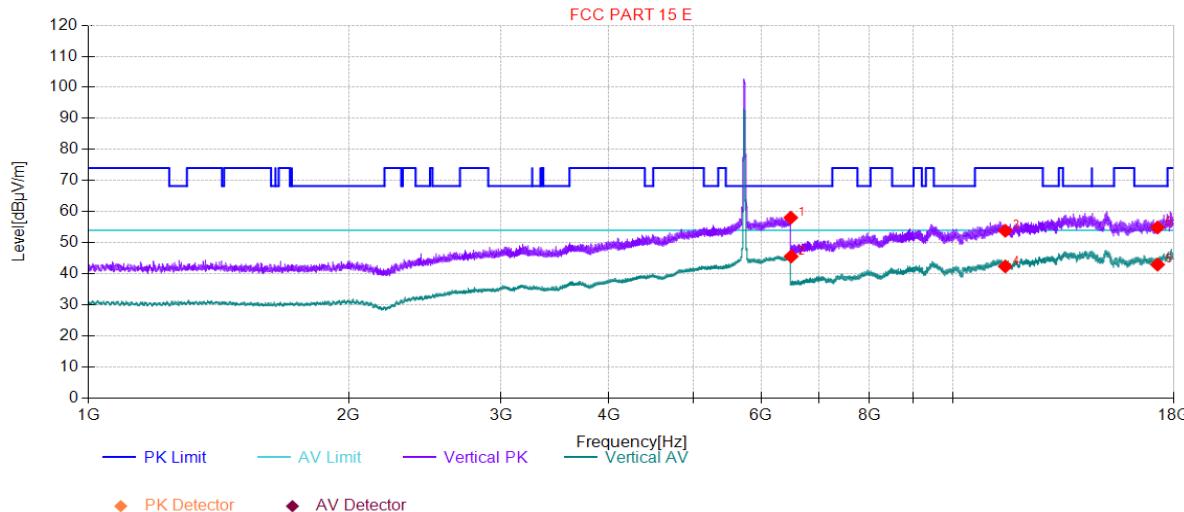
Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	6436.562	45.77	18.36	54.00	8.23	150	Horizontal
2	6471.031	58.04	18.55	68.20	10.16	150	Horizontal
3	11490.00	53.76	2.10	74.00	20.24	150	Horizontal
4	11490.00	42.58	2.10	54.00	11.42	150	Horizontal
5	17235.00	42.84	6.10	54.00	11.16	150	Horizontal
6	17235.00	54.36	6.10	68.20	13.84	150	Horizontal

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4.9.2.20 802.11A_Channel 149

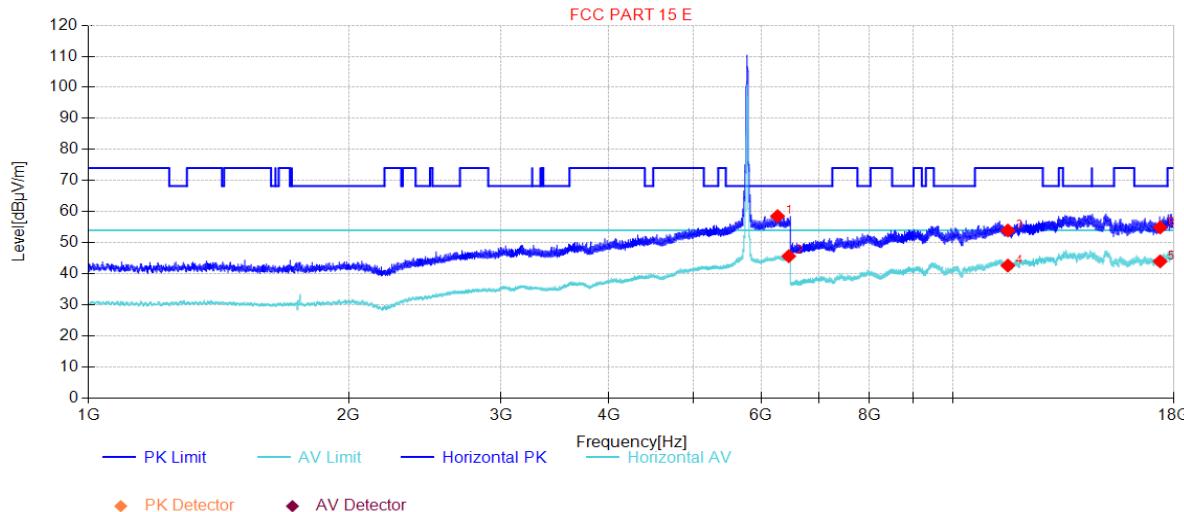
Test Graph**Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6490.099	58.04	18.66	68.20	10.16	150	Vertical
2	6496.333	45.56	18.69	54.00	8.44	150	Vertical
3	11490.00	53.83	2.10	74.00	20.17	150	Vertical
4	11490.00	42.35	2.10	54.00	11.65	150	Vertical
5	17235.00	42.92	6.10	54.00	11.08	150	Vertical
6	17235.00	54.87	6.10	68.20	13.33	150	Vertical

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4.9.2.21 802.11A_Channel 157**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6266.417	58.52	18.32	68.20	9.68	150	Horizontal
2	6455.263	45.63	18.47	54.00	8.37	150	Horizontal
3	11570.00	53.91	2.92	74.00	20.09	150	Horizontal
4	11570.00	42.62	2.92	54.00	11.38	150	Horizontal
5	17355.00	43.97	6.75	54.00	10.03	150	Horizontal
6	17355.00	54.89	6.75	68.20	13.31	150	Horizontal

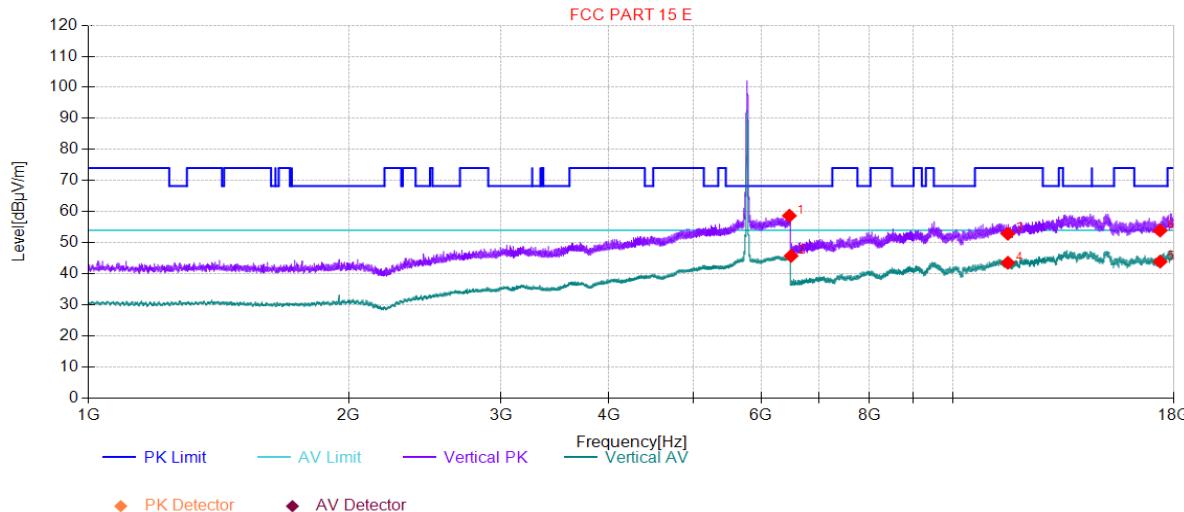
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4.9.2.22 802.11A_Channel 157**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	6466.264	58.66	18.53	68.20	9.54	150	Vertical
2	6495.966	45.72	18.69	54.00	8.28	150	Vertical
3	11570.00	52.88	2.92	74.00	21.12	150	Vertical
4	11570.00	43.52	2.92	54.00	10.48	150	Vertical
5	17355.00	43.89	6.75	54.00	10.11	150	Vertical
6	17355.00	53.89	6.75	68.20	14.31	150	Vertical

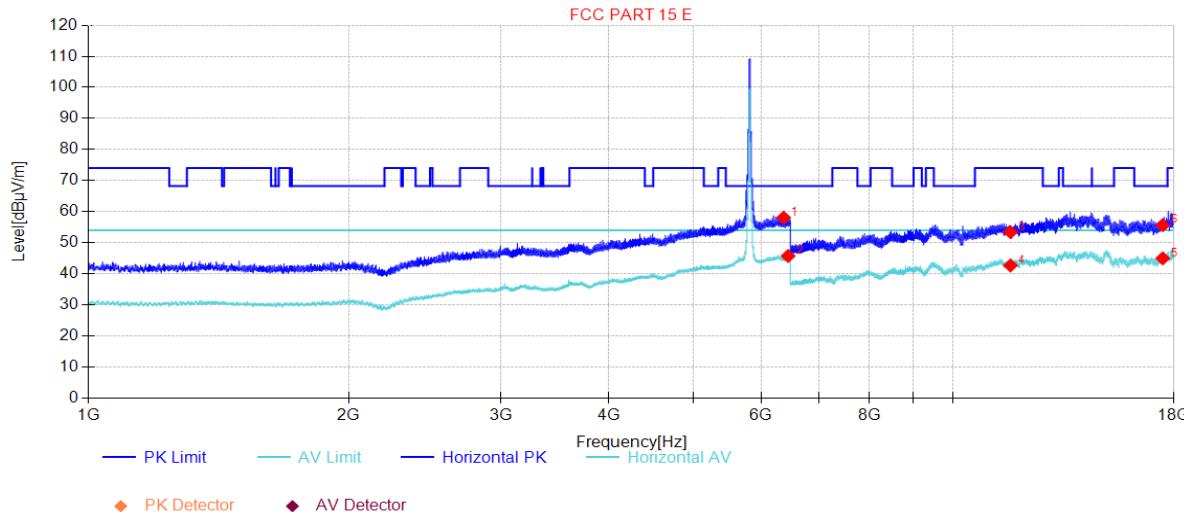
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4.9.2.23 **802.11A_Channel 165****Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6367.991	58.04	18.26	68.20	10.16	150	Horizontal
2	6443.896	45.70	18.40	54.00	8.30	150	Horizontal
3	11650.00	53.39	2.58	74.00	20.61	150	Horizontal
4	11650.00	42.66	2.58	54.00	11.34	150	Horizontal
5	17475.00	44.93	7.42	54.00	9.07	150	Horizontal
6	17475.00	55.60	7.42	68.20	12.60	150	Horizontal

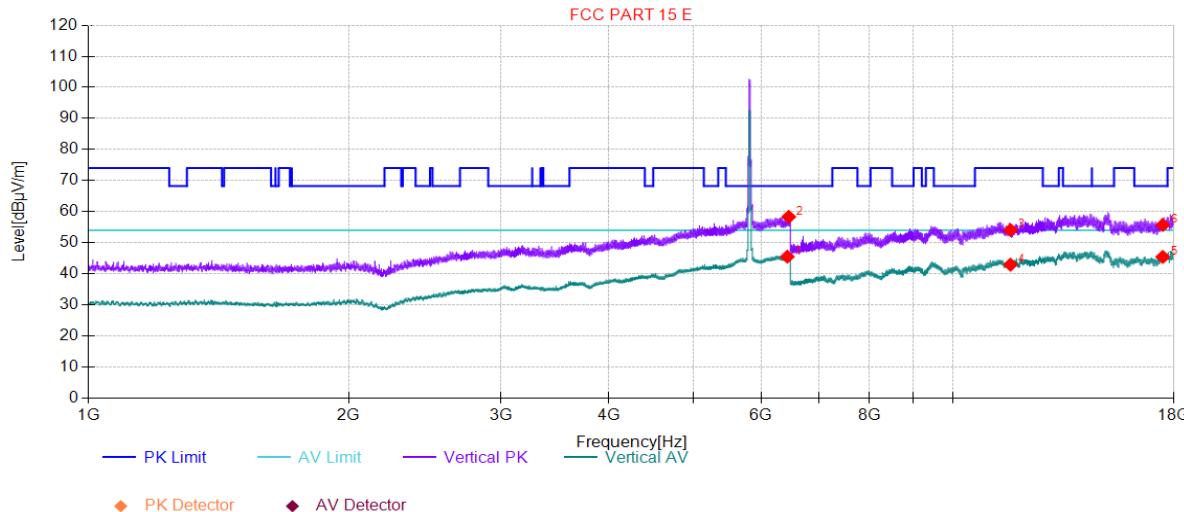
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4.9.2.24 802.11A_Channel 165**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6431.062	45.47	18.33	54.00	8.53	150	Vertical
2	6455.263	58.30	18.47	68.20	9.90	150	Vertical
3	11650.00	54.05	2.58	74.00	19.95	150	Vertical
4	11650.00	42.90	2.58	54.00	11.10	150	Vertical
5	17475.00	45.41	7.42	54.00	8.59	150	Vertical
6	17475.00	55.68	7.42	68.20	12.52	150	Vertical

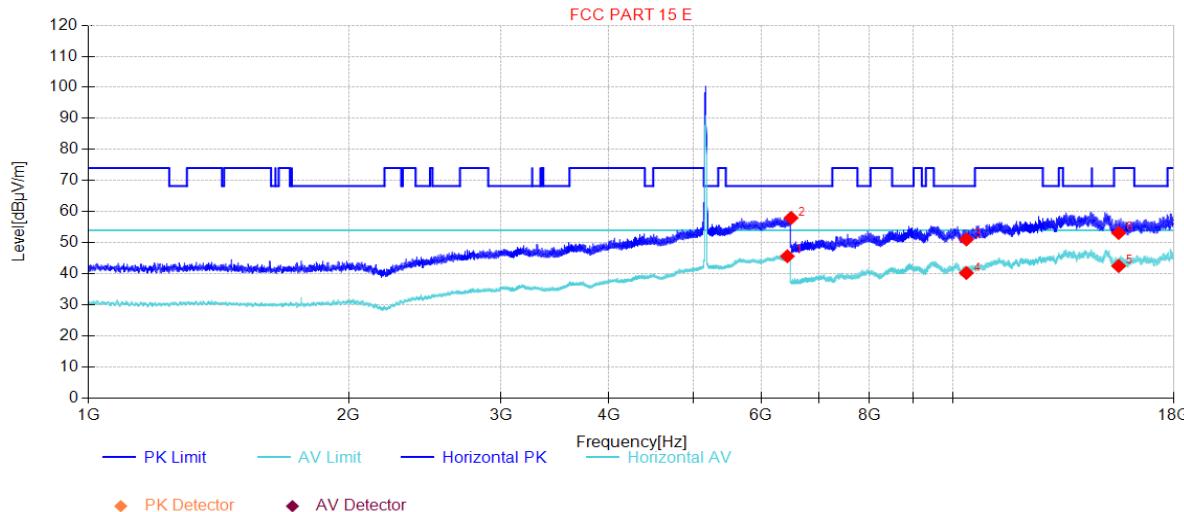
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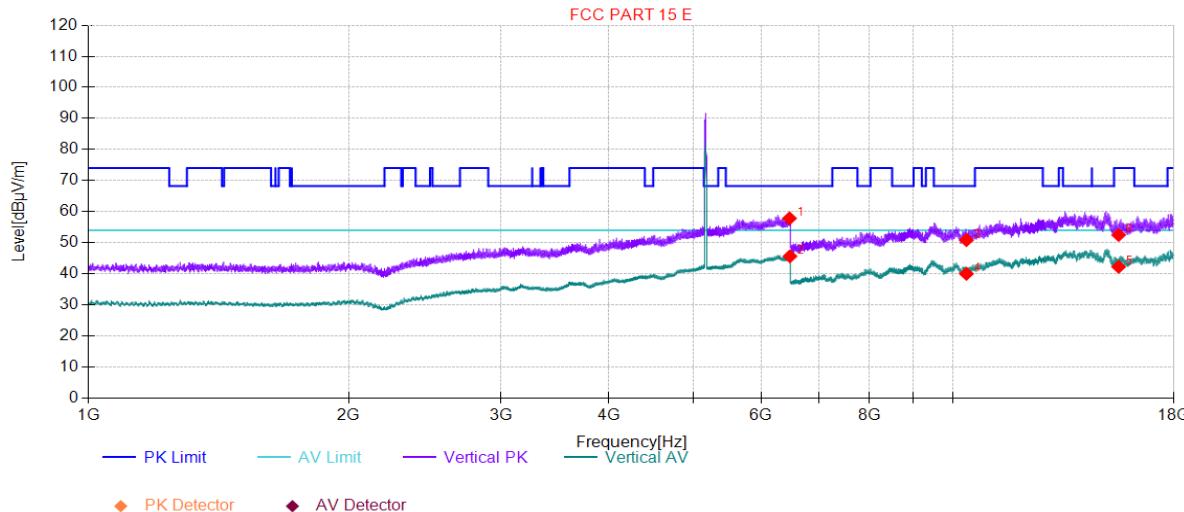
4.9.2.25 802.11N20_Channel 36**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6431.795	45.61	18.34	54.00	8.39	150	Horizontal
2	6495.599	57.95	18.69	68.20	10.25	150	Horizontal
3	10360.00	51.01	2.38	68.20	17.19	150	Horizontal
4	10360.00	40.23	2.38	54.00	13.77	150	Horizontal
5	15540.00	42.47	5.88	54.00	11.53	150	Horizontal
6	15540.00	53.11	5.88	74.00	20.89	150	Horizontal

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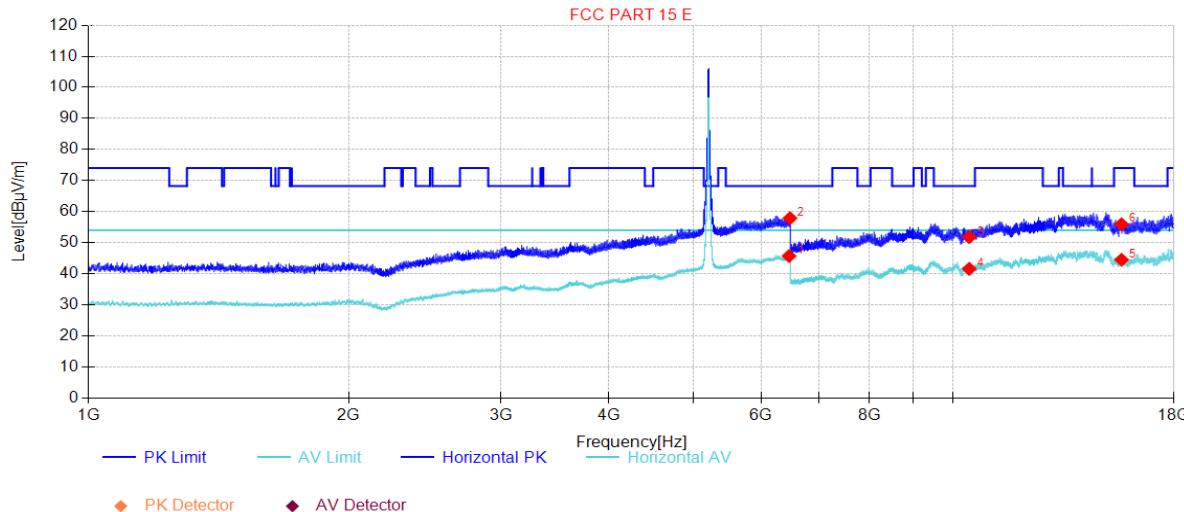
4.9.2.26 802.11N20_Channel 36**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6468.097	57.80	18.54	68.20	10.40	150	Vertical
2	6476.165	45.61	18.58	54.00	8.39	150	Vertical
3	10360.00	50.83	2.38	68.20	17.37	150	Vertical
4	10360.00	39.97	2.38	54.00	14.03	150	Vertical
5	15540.00	42.23	5.88	54.00	11.77	150	Vertical
6	15540.00	52.48	5.88	74.00	21.52	150	Vertical

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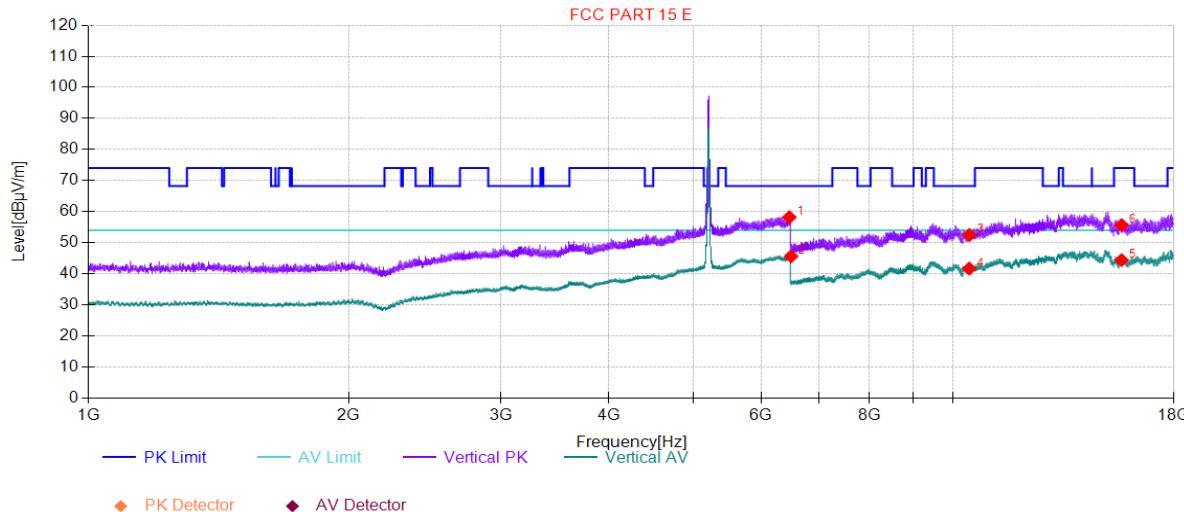
4.9.2.27 802.11N20_Channel 44**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6461.130	45.69	18.50	54.00	8.31	150	Horizontal
2	6476.531	57.88	18.58	68.20	10.32	150	Horizontal
3	10440.00	51.80	2.46	68.20	16.40	150	Horizontal
4	10440.00	41.56	2.46	54.00	12.44	150	Horizontal
5	15660.00	44.47	6.12	54.00	9.53	150	Horizontal
6	15660.00	55.91	6.12	74.00	18.09	150	Horizontal

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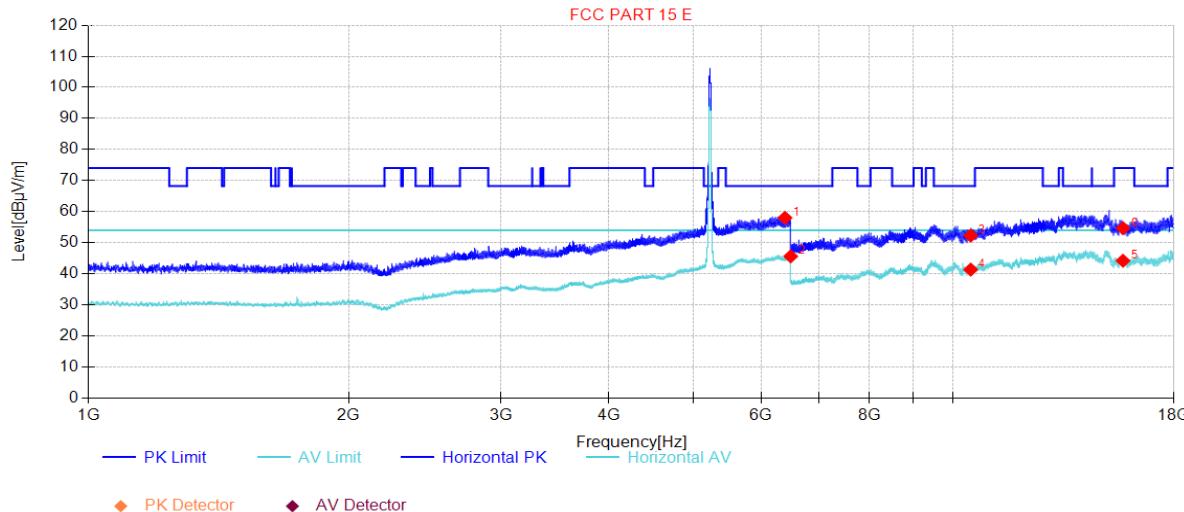
4.9.2.28 802.11N20_Channel 44**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6465.164	58.18	18.52	68.20	10.02	150	Vertical
2	6495.233	45.59	18.69	54.00	8.41	150	Vertical
3	10440.00	52.47	2.46	68.20	15.73	150	Vertical
4	10440.00	41.65	2.46	54.00	12.35	150	Vertical
5	15660.00	44.37	6.12	54.00	9.63	150	Vertical
6	15660.00	55.65	6.12	74.00	18.35	150	Vertical

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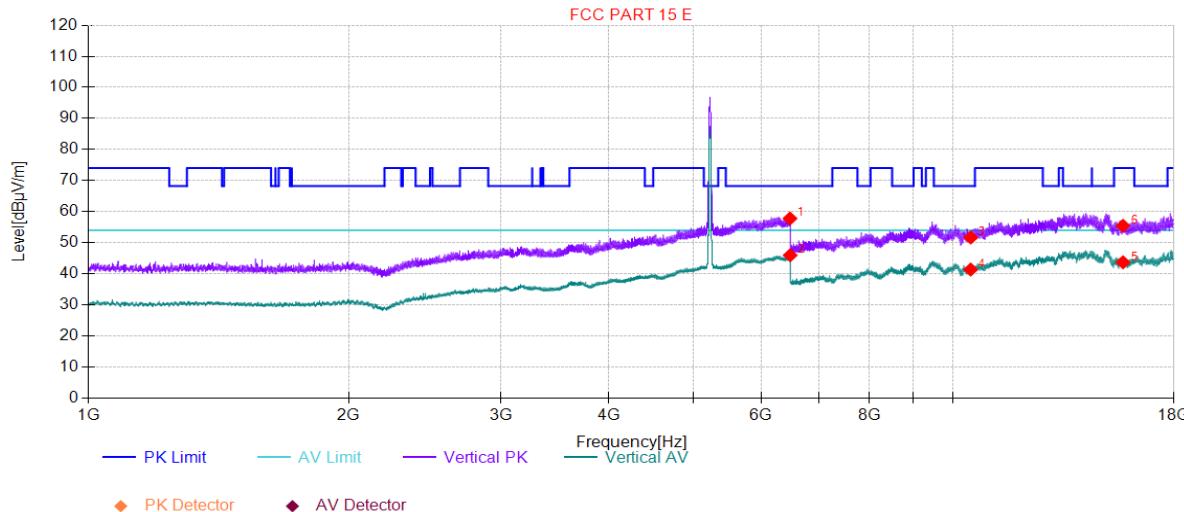
4.9.2.29 802.11N20_Channel 48**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6390.359	58.00	18.19	68.20	10.20	150	Horizontal
2	6488.999	45.59	18.65	54.00	8.41	150	Horizontal
3	10480.00	52.28	2.49	68.20	15.92	150	Horizontal
4	10480.00	41.31	2.49	54.00	12.69	150	Horizontal
5	15720.00	44.16	5.92	54.00	9.84	150	Horizontal
6	15720.00	54.63	5.92	74.00	19.37	150	Horizontal

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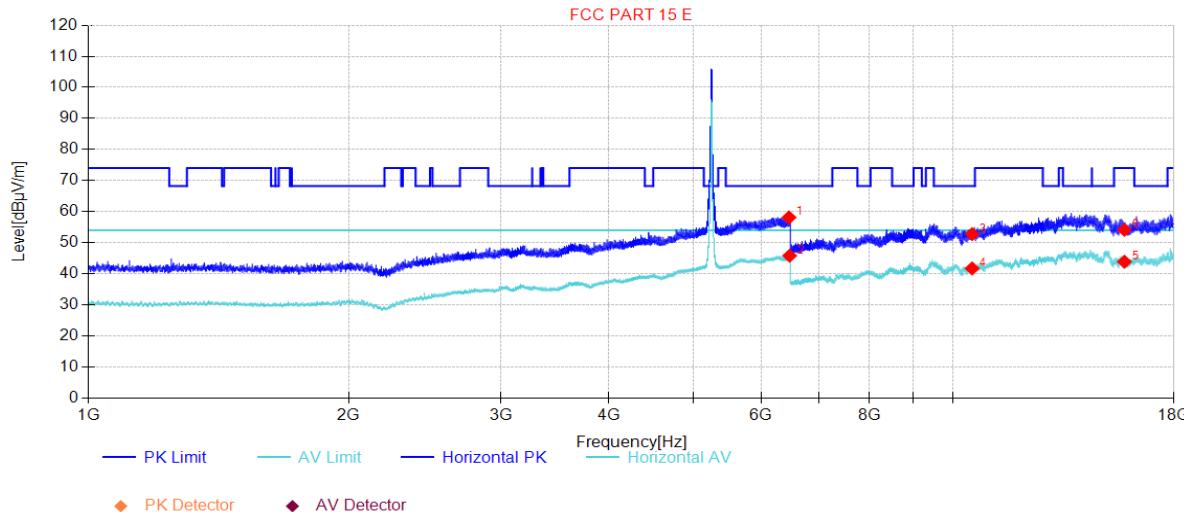
4.9.2.30 802.11N20_Channel 48**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6476.165	57.78	18.58	68.20	10.42	150	Vertical
2	6479.832	45.94	18.60	54.00	8.06	150	Vertical
3	10480.00	51.64	2.49	68.20	16.56	150	Vertical
4	10480.00	41.33	2.49	54.00	12.67	150	Vertical
5	15720.00	43.66	5.92	54.00	10.34	150	Vertical
6	15720.00	55.43	5.92	74.00	18.57	150	Vertical

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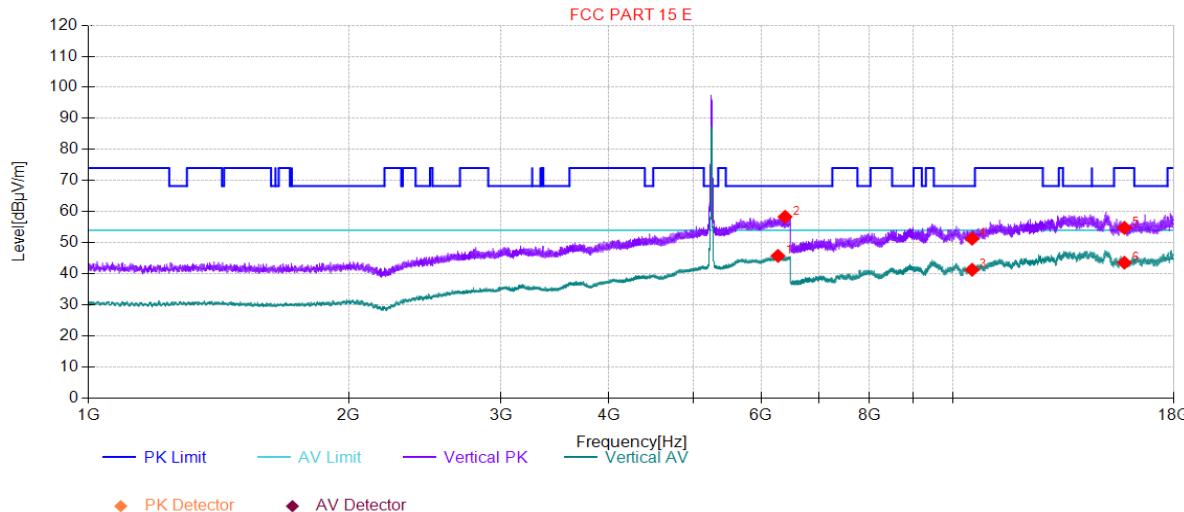
4.9.2.31 802.11N20_Channel 52**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6459.664	58.11	18.49	68.20	10.09	150	Horizontal
2	6470.298	45.79	18.55	54.00	8.21	150	Horizontal
3	10520.00	52.74	2.45	68.20	15.46	150	Horizontal
4	10520.00	41.69	2.45	54.00	12.31	150	Horizontal
5	15780.00	43.83	5.30	54.00	10.17	150	Horizontal
6	15780.00	54.12	5.30	74.00	19.88	150	Horizontal

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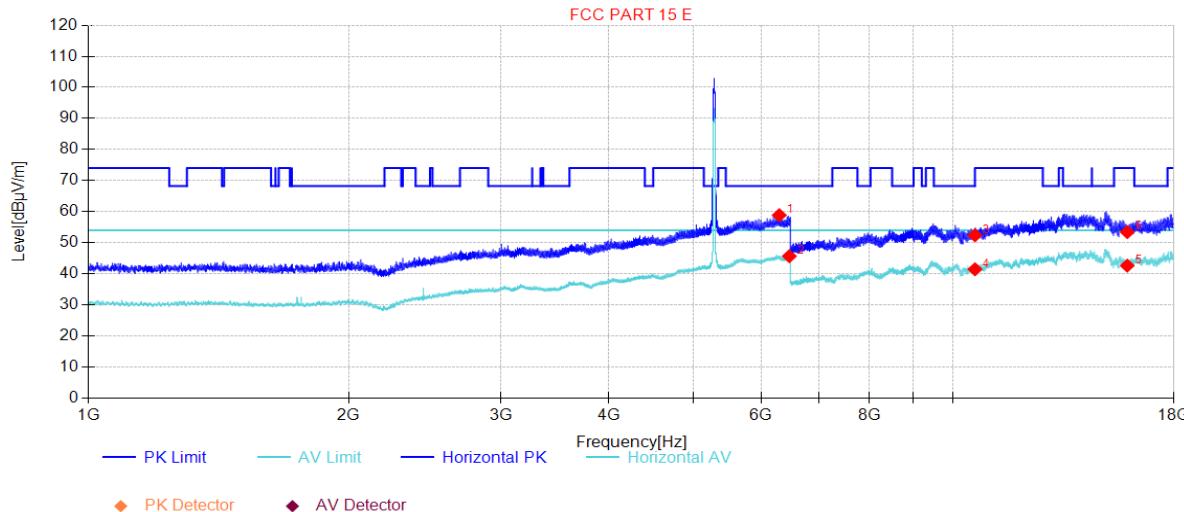
4.9.2.32 802.11N20_Channel 52**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6272.651	45.73	18.35	54.00	8.27	150	Vertical
2	6391.826	58.32	18.19	68.20	9.88	150	Vertical
3	10520.00	41.26	2.45	54.00	12.74	150	Vertical
4	10520.00	51.27	2.45	68.20	16.93	150	Vertical
5	15780.00	54.77	5.30	74.00	19.23	150	Vertical
6	15780.00	43.54	5.30	54.00	10.46	150	Vertical

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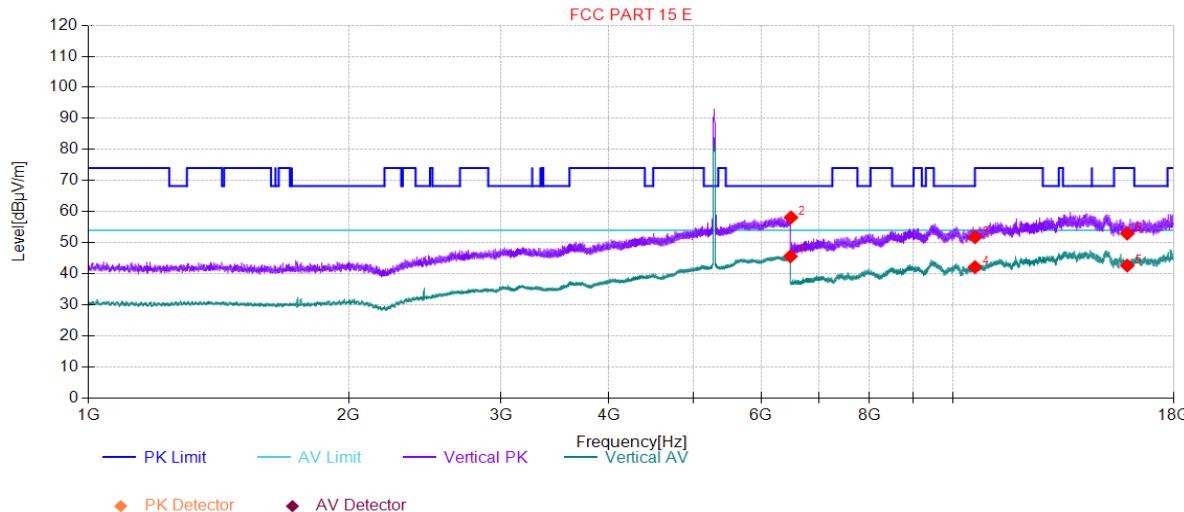
4.9.2.33 802.11N20_Channel 60**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6293.919	58.84	18.46	68.20	9.36	150	Horizontal
2	6466.264	45.64	18.53	54.00	8.36	150	Horizontal
3	10600.00	52.37	2.23	74.00	21.63	150	Horizontal
4	10600.00	41.41	2.23	54.00	12.59	150	Horizontal
5	15900.00	42.60	5.29	54.00	11.40	150	Horizontal
6	15900.00	53.40	5.29	74.00	20.60	150	Horizontal

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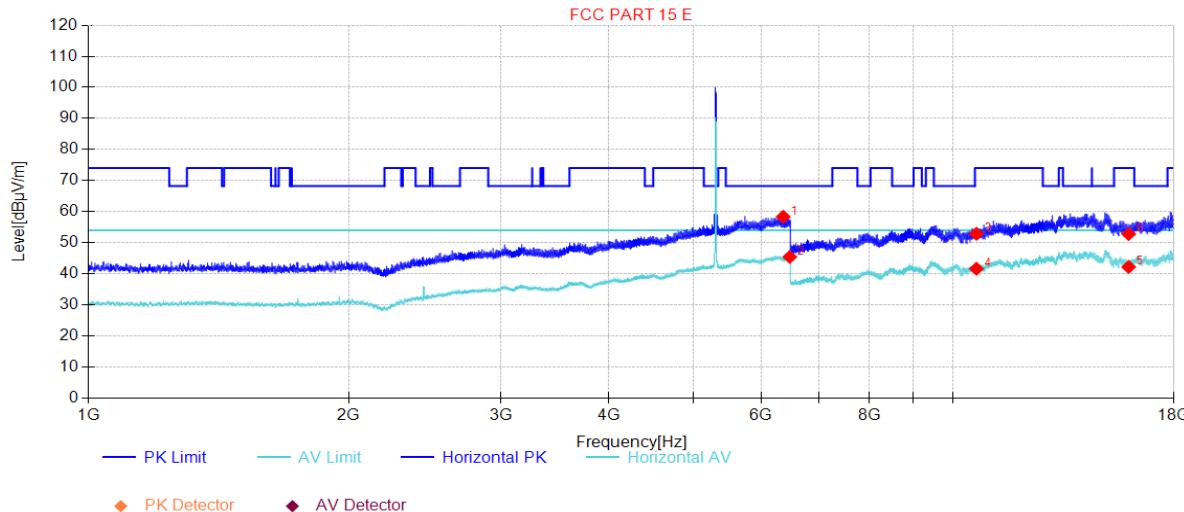
4.9.2.34 802.11N20_Channel 60**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6484.599	45.58	18.63	54.00	8.42	150	Vertical
2	6494.132	58.10	18.68	68.20	10.10	150	Vertical
3	10600.00	51.73	2.23	74.00	22.27	150	Vertical
4	10600.00	42.12	2.23	54.00	11.88	150	Vertical
5	15900.00	42.61	5.29	54.00	11.39	150	Vertical
6	15900.00	52.92	5.29	74.00	21.08	150	Vertical

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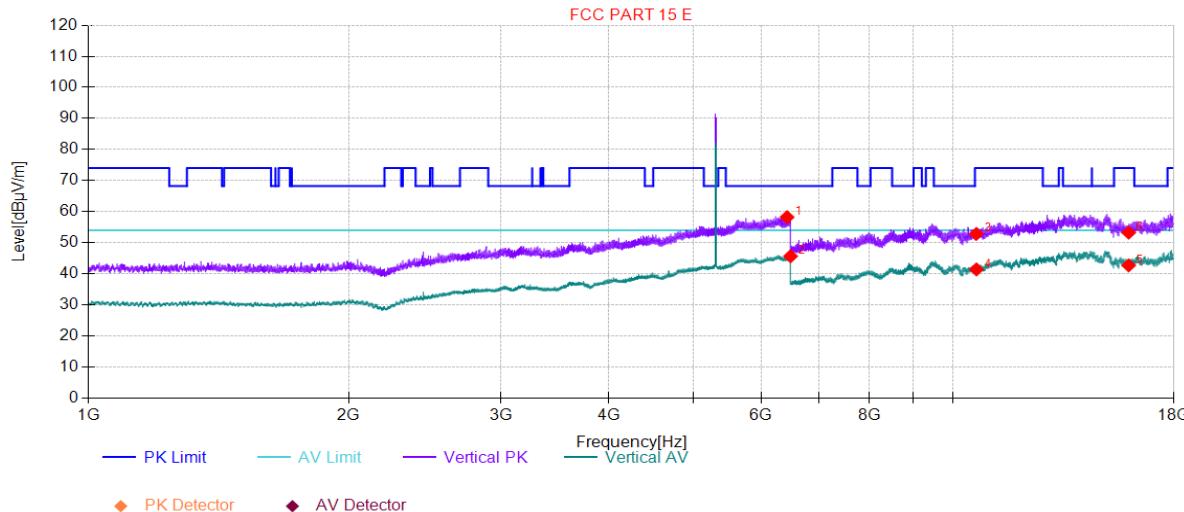
4.9.2.35 802.11N20_Channel 64**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	6361.024	58.34	18.29	68.20	9.86	150	Horizontal
2	6473.231	45.41	18.57	54.00	8.59	150	Horizontal
3	10640.00	52.84	2.22	74.00	21.16	150	Horizontal
4	10640.00	41.59	2.22	54.00	12.41	150	Horizontal
5	15960.00	42.16	5.01	54.00	11.84	150	Horizontal
6	15960.00	52.77	5.01	74.00	21.23	150	Horizontal

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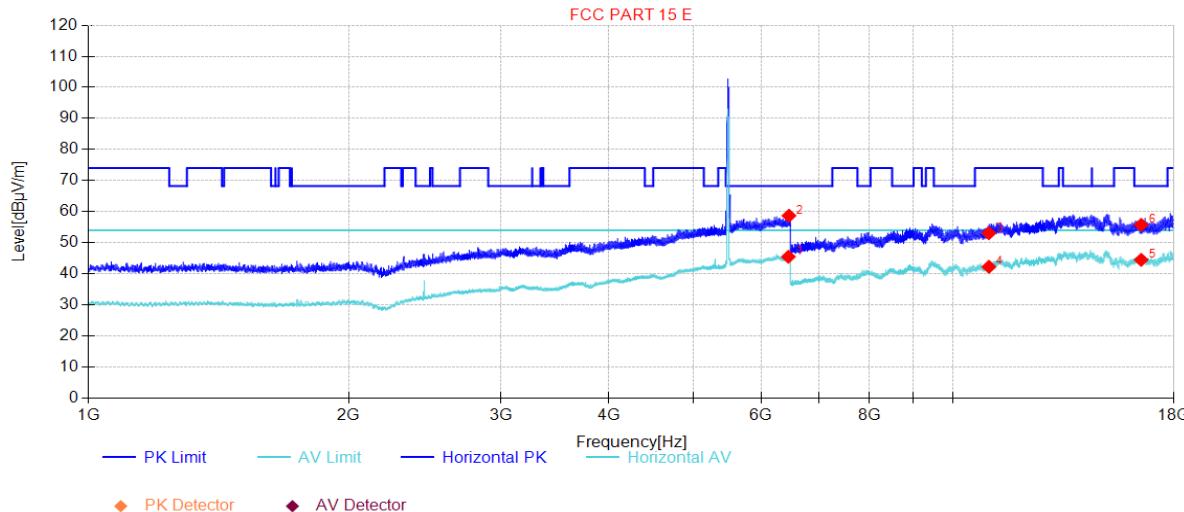
4.9.2.36 802.11N20_Channel 64**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6426.661	58.20	18.31	68.20	10.00	150	Vertical
2	6486.799	45.62	18.64	54.00	8.38	150	Vertical
3	10640.00	52.82	2.22	74.00	21.18	150	Vertical
4	10640.00	41.37	2.22	54.00	12.63	150	Vertical
5	15960.00	42.67	5.01	54.00	11.33	150	Vertical
6	15960.00	53.23	5.01	74.00	20.77	150	Vertical

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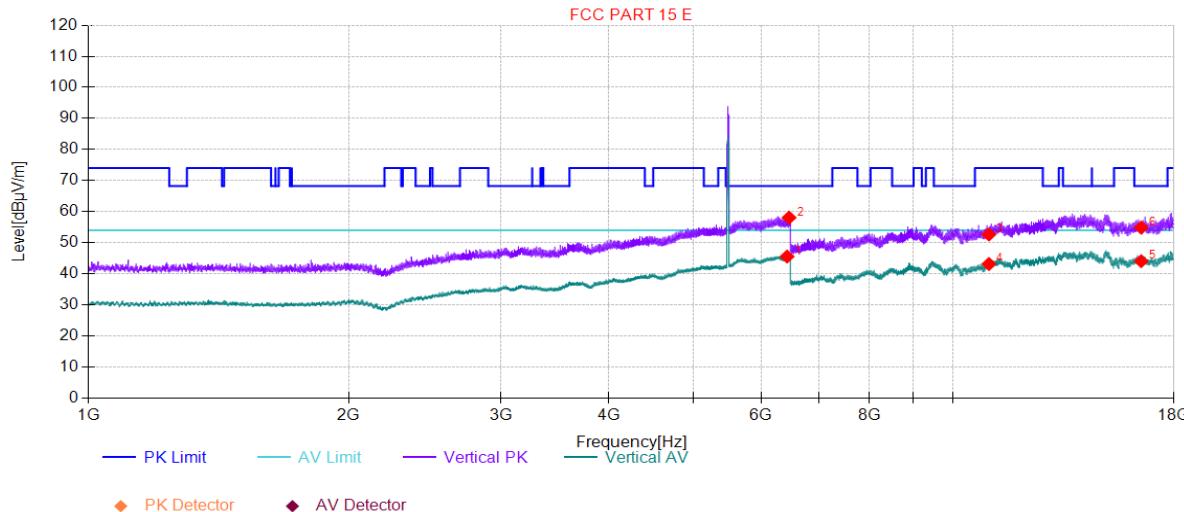
4.9.2.37 802.11N20_Channel 100**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6449.396	45.46	18.43	54.00	8.54	150	Horizontal
2	6459.297	58.67	18.49	68.20	9.53	150	Horizontal
3	11000.00	53.04	2.74	74.00	20.96	150	Horizontal
4	11000.00	42.21	2.74	54.00	11.79	150	Horizontal
5	16500.00	44.45	5.09	54.00	9.55	150	Horizontal
6	16500.00	55.73	5.09	68.20	12.47	150	Horizontal

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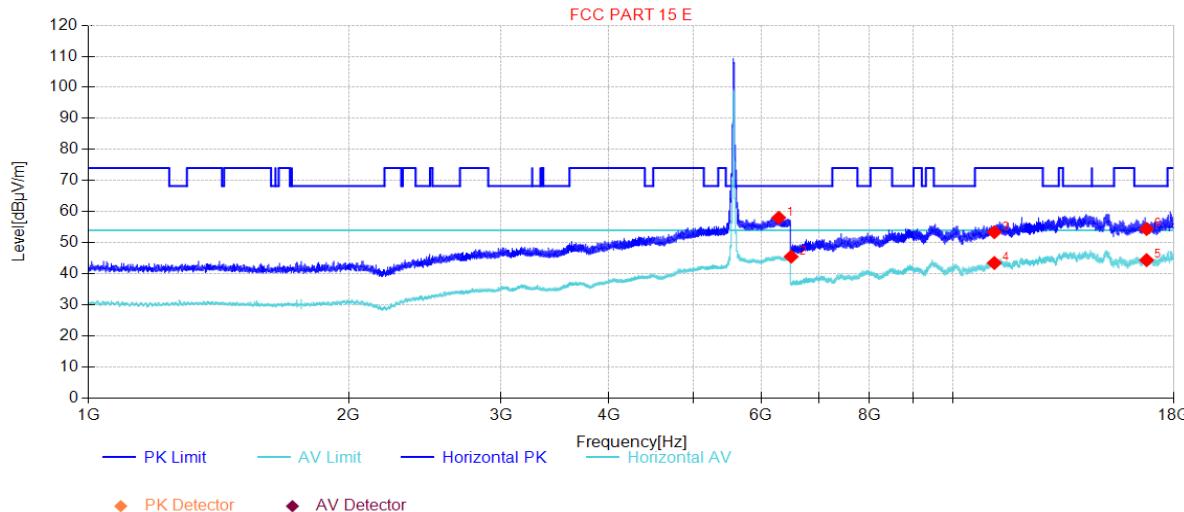
4.9.2.38 802.11N20_Channel 100**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6427.395	45.52	18.31	54.00	8.48	150	Vertical
2	6460.764	58.05	18.50	68.20	10.15	150	Vertical
3	11000.00	52.63	2.74	74.00	21.37	150	Vertical
4	11000.00	43.12	2.74	54.00	10.88	150	Vertical
5	16500.00	44.02	5.09	54.00	9.98	150	Vertical
6	16500.00	54.85	5.09	68.20	13.35	150	Vertical

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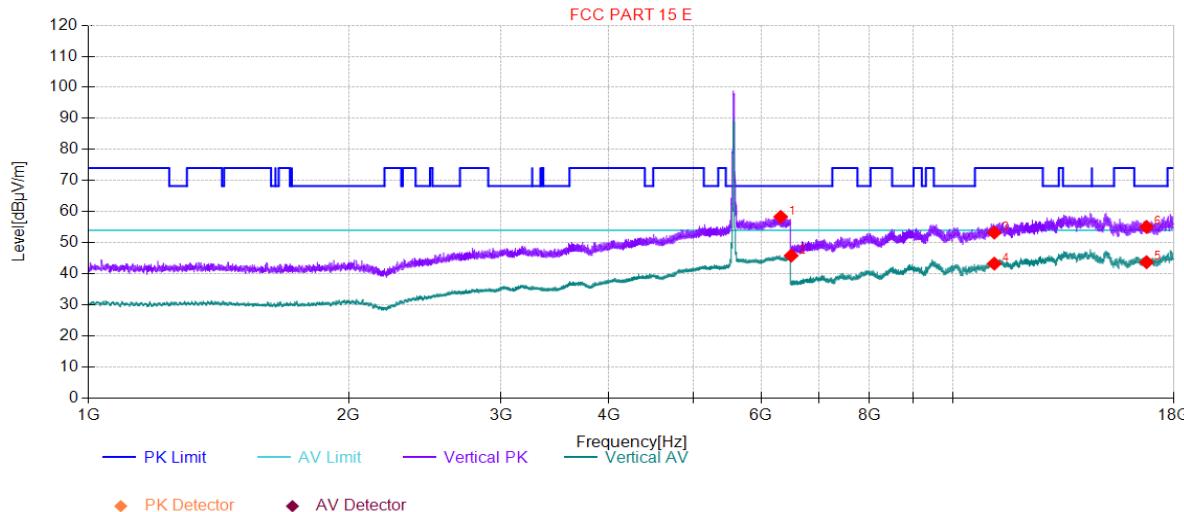
4.9.2.39 802.11N20_Channel 116**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6284.752	58.02	18.41	68.20	10.18	150	Horizontal
2	6497.433	45.49	18.70	54.00	8.51	150	Horizontal
3	11160.00	53.36	2.54	74.00	20.64	150	Horizontal
4	11160.00	43.45	2.54	54.00	10.55	150	Horizontal
5	16740.00	44.36	5.53	54.00	9.64	150	Horizontal
6	16740.00	54.39	5.53	68.20	13.81	150	Horizontal

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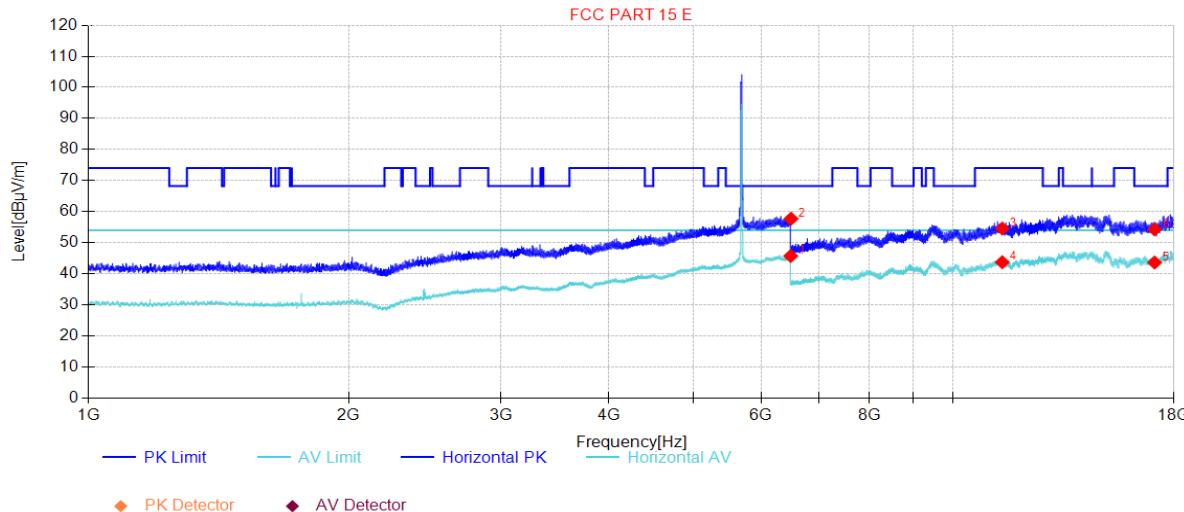
4.9.2.40 802.11N20_Channel 116**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6318.121	58.30	18.43	68.20	9.90	150	Vertical
2	6497.799	45.81	18.70	54.00	8.19	150	Vertical
3	11160.00	53.22	2.54	74.00	20.78	150	Vertical
4	11160.00	43.24	2.54	54.00	10.76	150	Vertical
5	16740.00	43.70	5.53	54.00	10.30	150	Vertical
6	16740.00	55.05	5.53	68.20	13.15	150	Vertical

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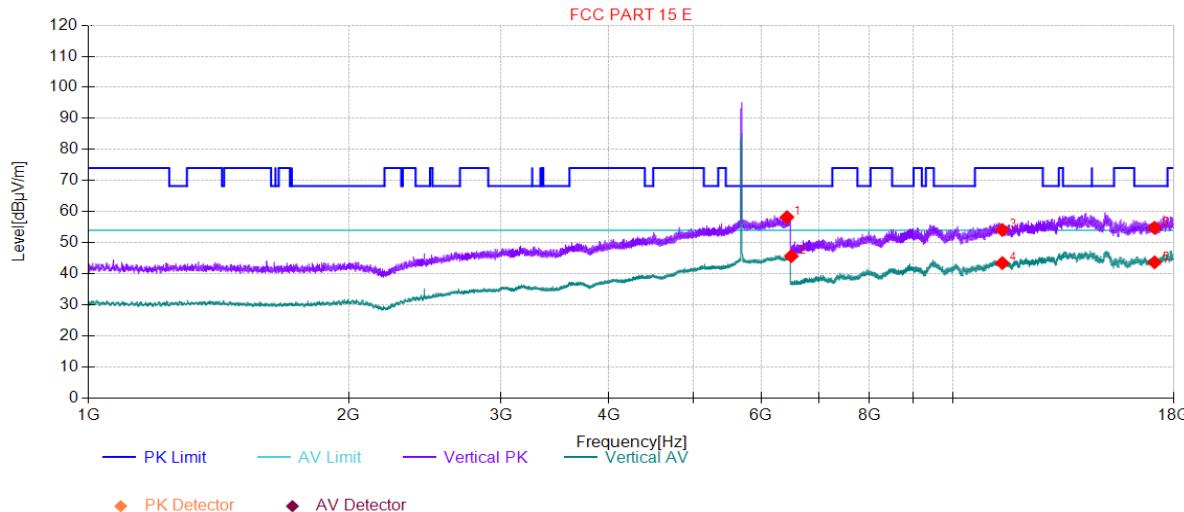
4.9.2.41 802.11N20_Channel 140**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	6489.366	45.70	18.66	54.00	8.30	150	Horizontal
2	6494.866	57.69	18.69	68.20	10.51	150	Horizontal
3	11400.00	54.54	2.54	74.00	19.46	150	Horizontal
4	11400.00	43.70	2.54	54.00	10.30	150	Horizontal
5	17100.00	43.59	5.72	54.00	10.41	150	Horizontal
6	17100.00	54.27	5.72	68.20	13.93	150	Horizontal

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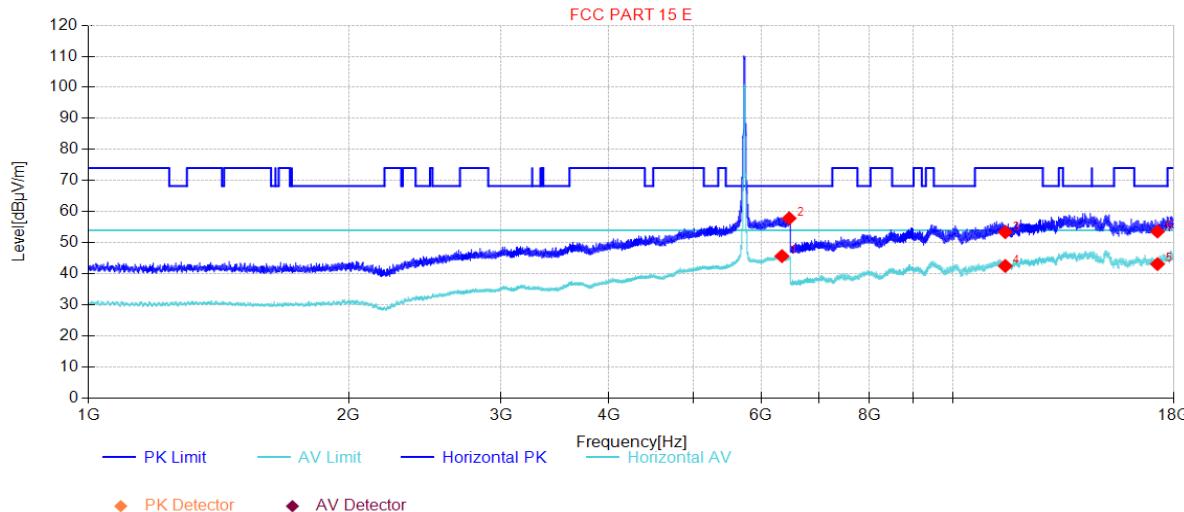
4.9.2.42 802.11N20_Channel 140**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6424.461	58.18	18.30	68.20	10.02	150	Vertical
2	6500.000	45.66	18.72	54.00	8.34	150	Vertical
3	11400.00	54.07	2.54	74.00	19.93	150	Vertical
4	11400.00	43.42	2.54	54.00	10.58	150	Vertical
5	17100.00	43.65	5.72	54.00	10.35	150	Vertical
6	17100.00	54.78	5.72	68.20	13.42	150	Vertical

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4.9.2.43 802.11N20_Channel 149**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6339.022	45.66	18.36	54.00	8.34	150	Horizontal
2	6462.597	57.83	18.51	68.20	10.37	150	Horizontal
3	11490.00	53.38	2.10	74.00	20.62	150	Horizontal
4	11490.00	42.48	2.10	54.00	11.52	150	Horizontal
5	17235.00	43.09	6.10	54.00	10.91	150	Horizontal
6	17235.00	53.58	6.10	68.20	14.62	150	Horizontal

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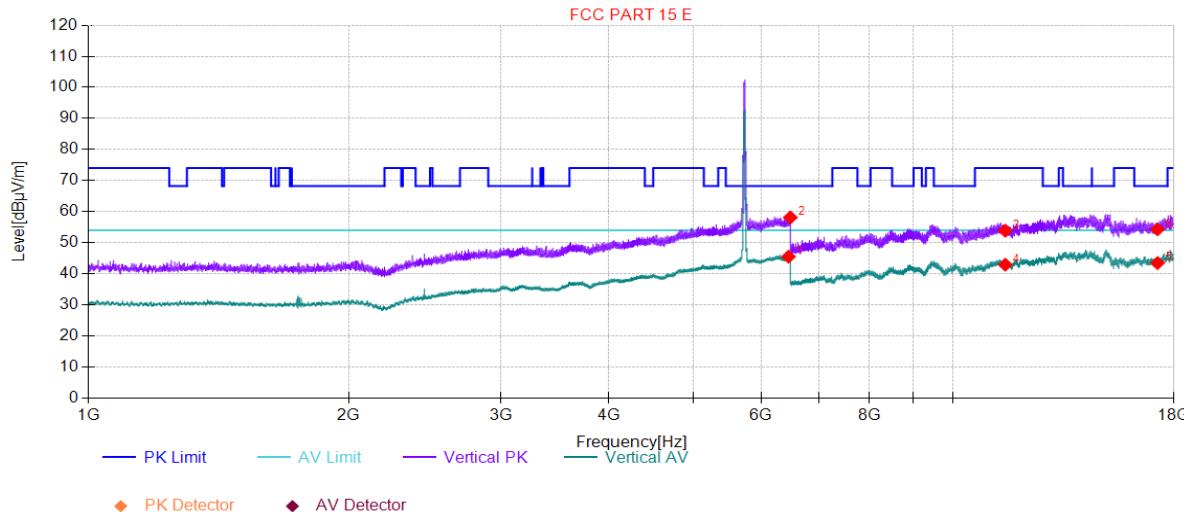
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4.9.2.44 802.11N20_Channel 149

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	6450.863	45.48	18.44	54.00	8.52	150	Vertical
2	6482.765	58.10	18.62	68.20	10.10	150	Vertical
3	11490.00	53.85	2.10	74.00	20.15	150	Vertical
4	11490.00	42.90	2.10	54.00	11.10	150	Vertical
5	17235.00	43.44	6.10	54.00	10.56	150	Vertical
6	17235.00	54.29	6.10	68.20	13.91	150	Vertical

Final Data List

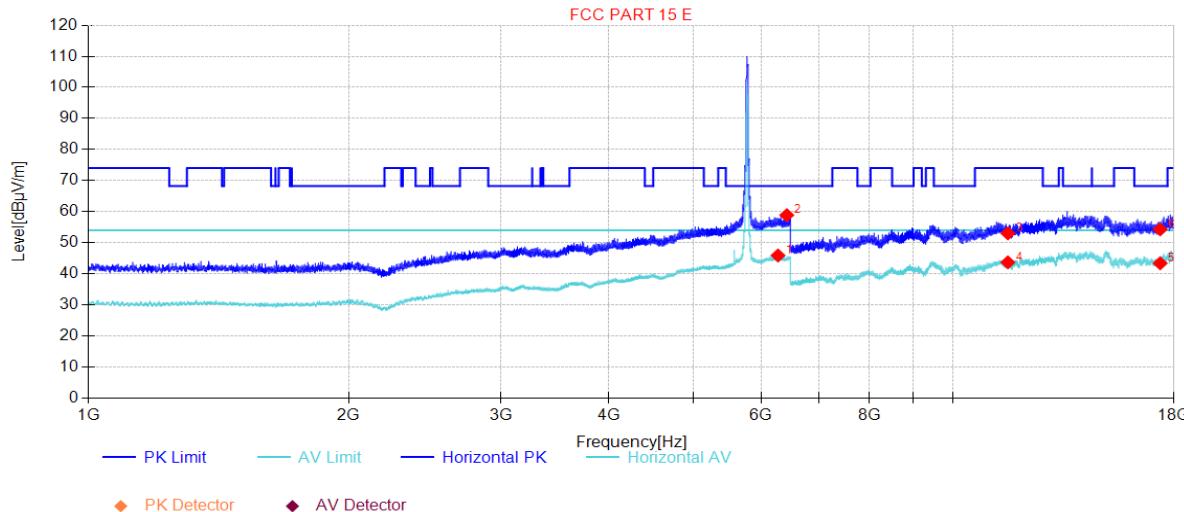


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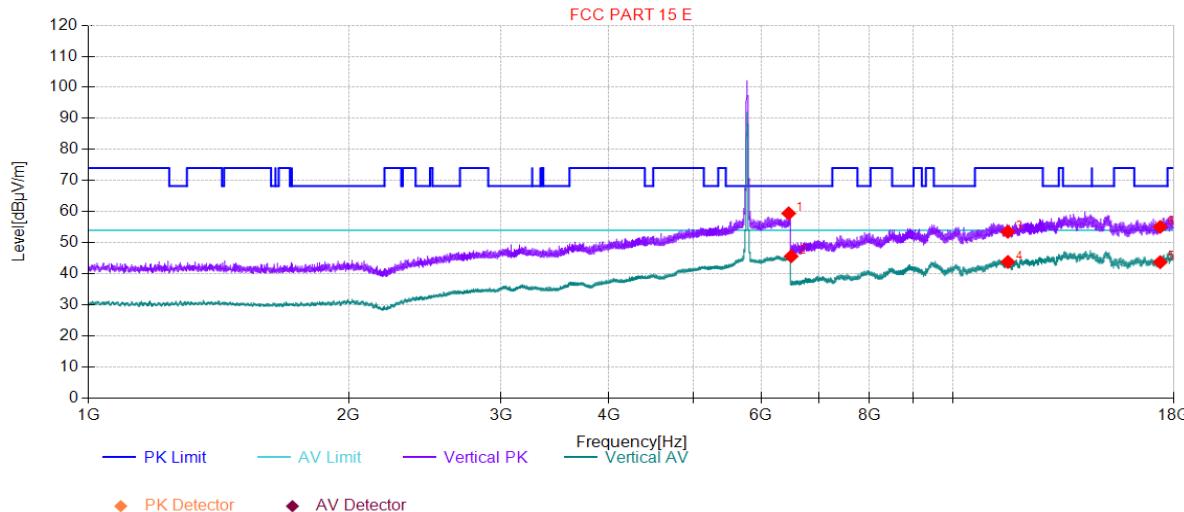
4.9.2.45 802.11N20_Channel 157**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	6273.018	45.85	18.35	54.00	8.15	150	Horizontal
2	6421.894	58.84	18.28	68.20	9.36	150	Horizontal
3	11570.00	52.98	2.92	74.00	21.02	150	Horizontal
4	11570.00	43.65	2.92	54.00	10.35	150	Horizontal
5	17355.00	43.35	6.75	54.00	10.65	150	Horizontal
6	17355.00	54.27	6.75	68.20	13.93	150	Horizontal

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4.9.2.46 802.11N20_Channel 157**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6454.897	59.42	18.46	68.20	8.78	150	Vertical
2	6498.166	45.60	18.70	54.00	8.40	150	Vertical
3	11570.00	53.50	2.92	74.00	20.50	150	Vertical
4	11570.00	43.78	2.92	54.00	10.22	150	Vertical
5	17355.00	43.70	6.75	54.00	10.30	150	Vertical
6	17355.00	55.07	6.75	68.20	13.13	150	Vertical

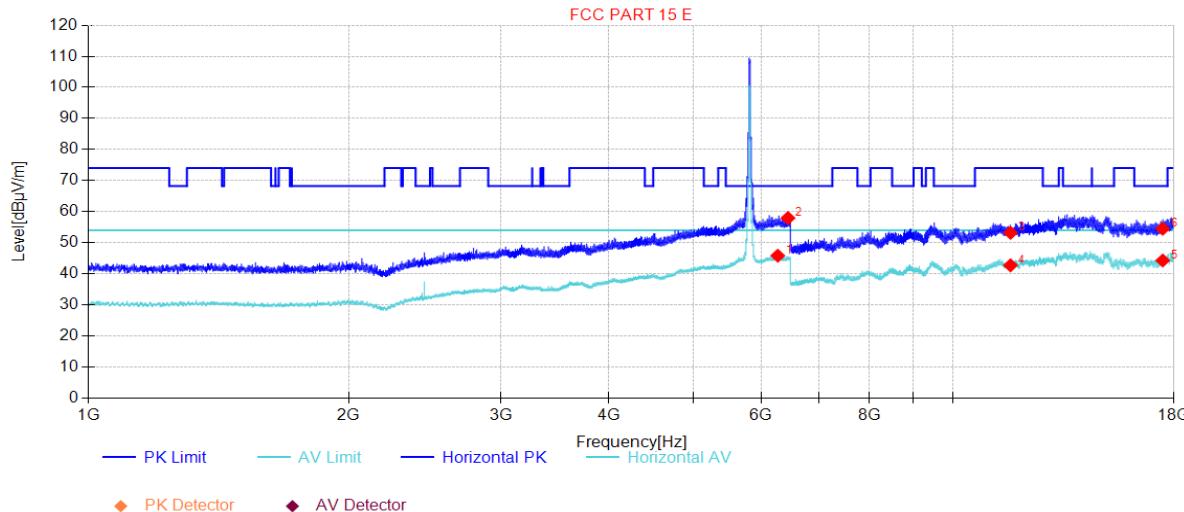
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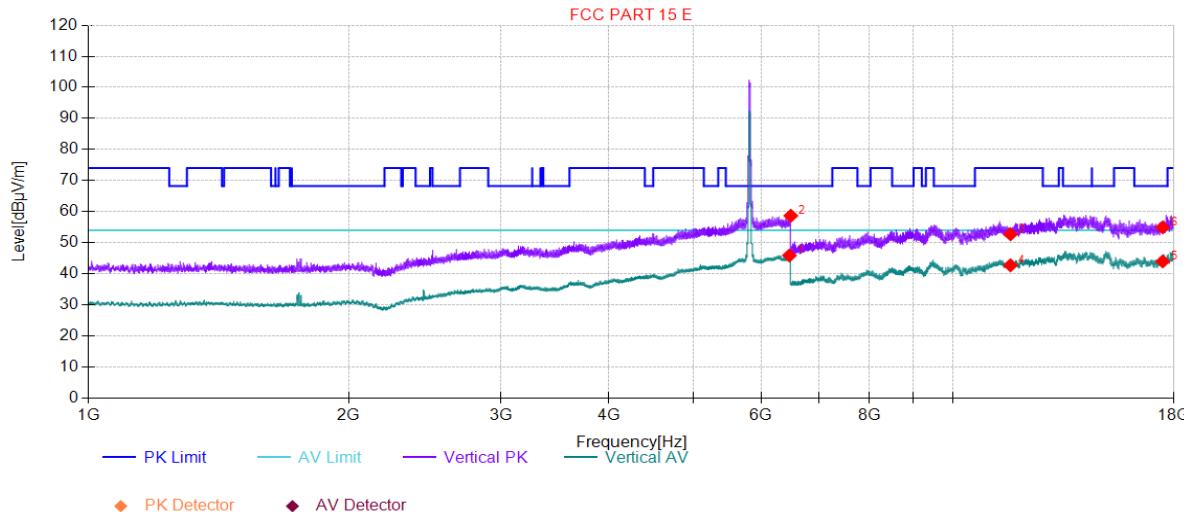
4.9.2.47 802.11N20_Channel 165**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6269.718	45.79	18.34	54.00	8.21	150	Horizontal
2	6442.062	57.93	18.39	68.20	10.27	150	Horizontal
3	11650.00	53.17	2.58	74.00	20.83	150	Horizontal
4	11650.00	42.69	2.58	54.00	11.31	150	Horizontal
5	17475.00	44.24	7.42	54.00	9.76	150	Horizontal
6	17475.00	54.46	7.42	68.20	13.74	150	Horizontal

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4.9.2.48 802.11N20_Channel 165**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6466.264	45.86	18.53	54.00	8.14	150	Vertical
2	6491.566	58.66	18.67	68.20	9.54	150	Vertical
3	11650.00	52.70	2.58	74.00	21.30	150	Vertical
4	11650.00	42.70	2.58	54.00	11.30	150	Vertical
5	17475.00	43.95	7.42	54.00	10.05	150	Vertical
6	17475.00	54.90	7.42	68.20	13.30	150	Vertical

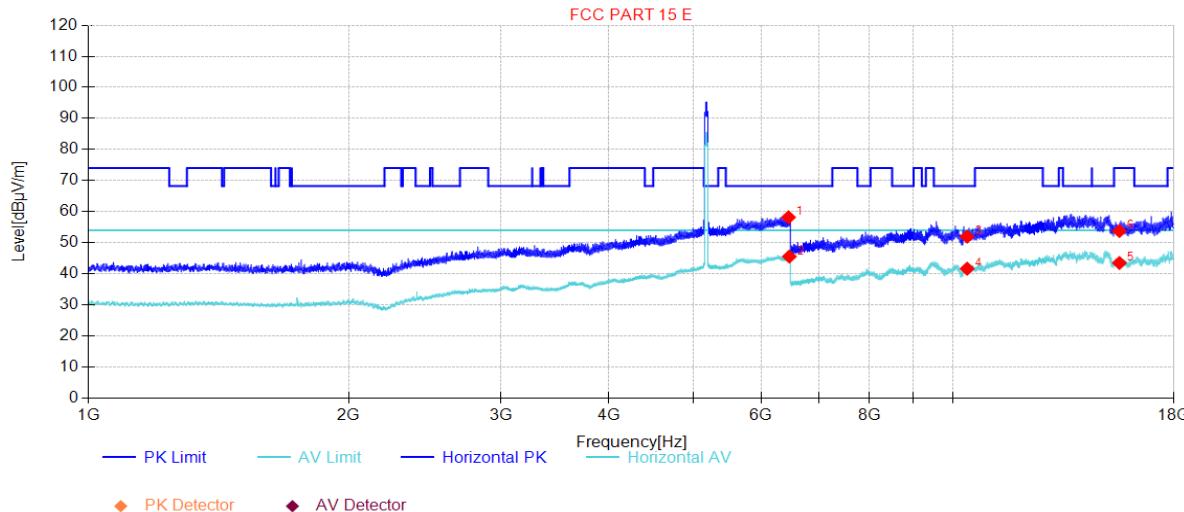
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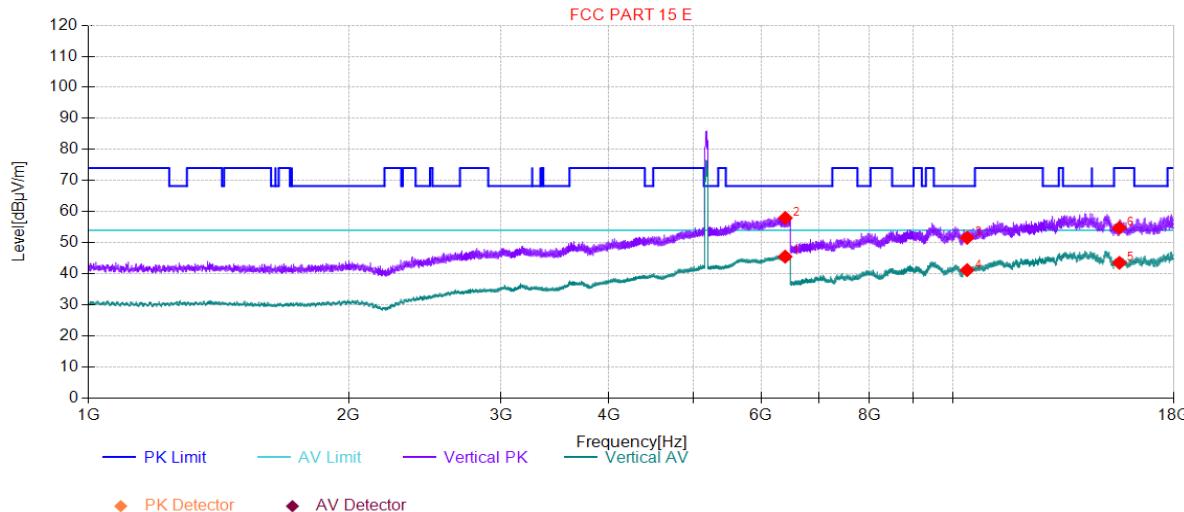
4.9.2.49 802.11N40_Channel 38**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6451.230	58.16	18.44	68.20	10.04	150	Horizontal
2	6465.897	45.52	18.53	54.00	8.48	150	Horizontal
3	10380.00	51.93	2.40	68.20	16.27	150	Horizontal
4	10380.00	41.61	2.40	54.00	12.39	150	Horizontal
5	15570.00	43.43	6.00	54.00	10.57	150	Horizontal
6	15570.00	53.73	6.00	74.00	20.27	150	Horizontal

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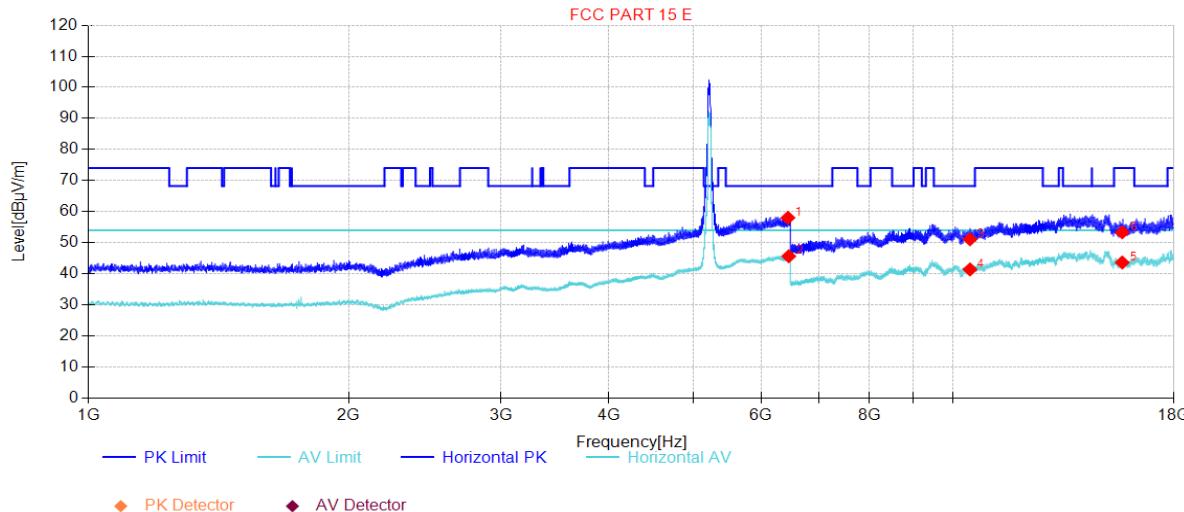
4.9.2.50 802.11N40_Channel 38**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6393.292	45.48	18.18	54.00	8.52	150	Vertical
2	6396.226	57.94	18.17	68.20	10.26	150	Vertical
3	10380.00	51.56	2.40	68.20	16.64	150	Vertical
4	10380.00	41.15	2.40	54.00	12.85	150	Vertical
5	15570.00	43.50	6.00	54.00	10.50	150	Vertical
6	15570.00	54.77	6.00	74.00	19.23	150	Vertical

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4.9.2.51 802.11N40_Channel 46**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6441.329	58.00	18.39	68.20	10.20	150	Horizontal
2	6454.897	45.61	18.46	54.00	8.39	150	Horizontal
3	10460.00	51.07	2.47	68.20	17.13	150	Horizontal
4	10460.00	41.37	2.47	54.00	12.63	150	Horizontal
5	15690.00	43.59	6.13	54.00	10.41	150	Horizontal
6	15690.00	53.32	6.13	74.00	20.68	150	Horizontal

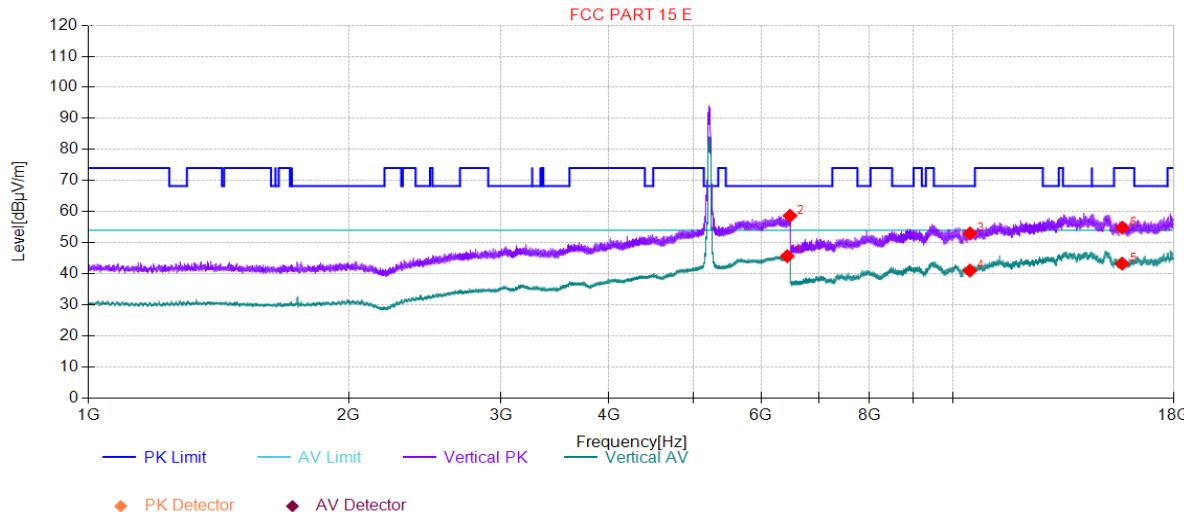
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4.9.2.52 802.11N40_Channel 46**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6430.328	45.63	18.33	54.00	8.37	150	Vertical
2	6477.631	58.65	18.59	68.20	9.55	150	Vertical
3	10460.00	52.97	2.47	68.20	15.23	150	Vertical
4	10460.00	41.00	2.47	54.00	13.00	150	Vertical
5	15690.00	43.23	6.13	54.00	10.77	150	Vertical
6	15690.00	54.78	6.13	74.00	19.22	150	Vertical

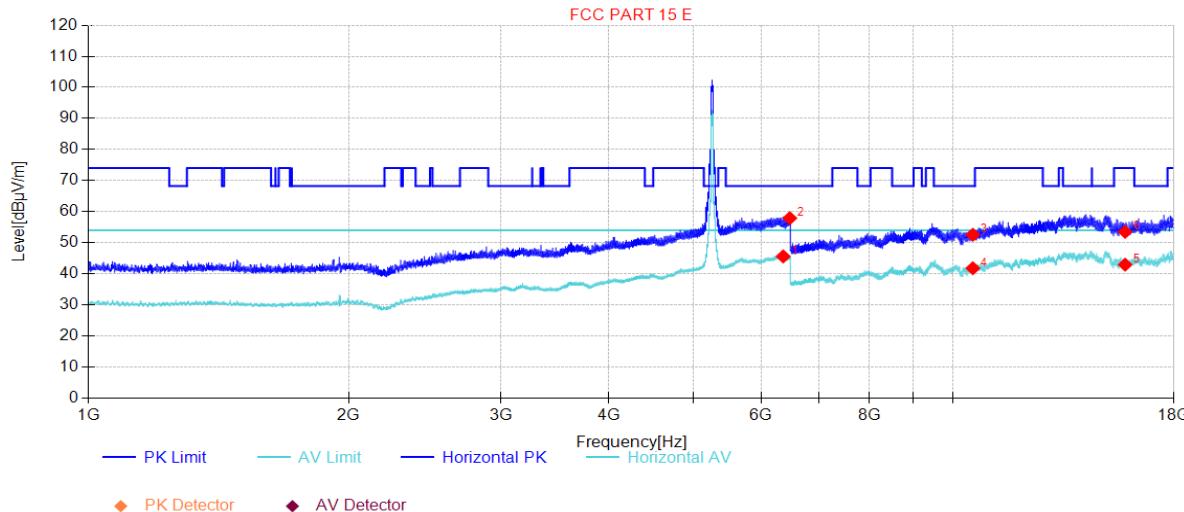
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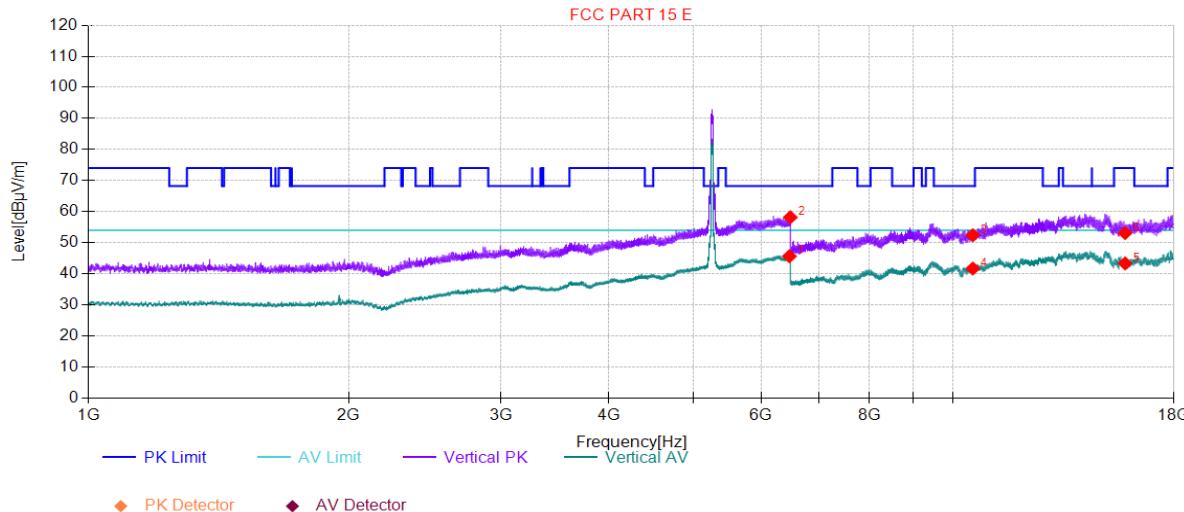
4.9.2.53 802.11N40_Channel 54**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6359.557	45.56	18.29	54.00	8.44	150	Horizontal
2	6473.231	57.87	18.57	68.20	10.33	150	Horizontal
3	10540.00	52.54	2.39	68.20	15.66	150	Horizontal
4	10540.00	41.76	2.39	54.00	12.24	150	Horizontal
5	15810.00	42.90	5.12	54.00	11.10	150	Horizontal
6	15810.00	53.48	5.12	74.00	20.52	150	Horizontal

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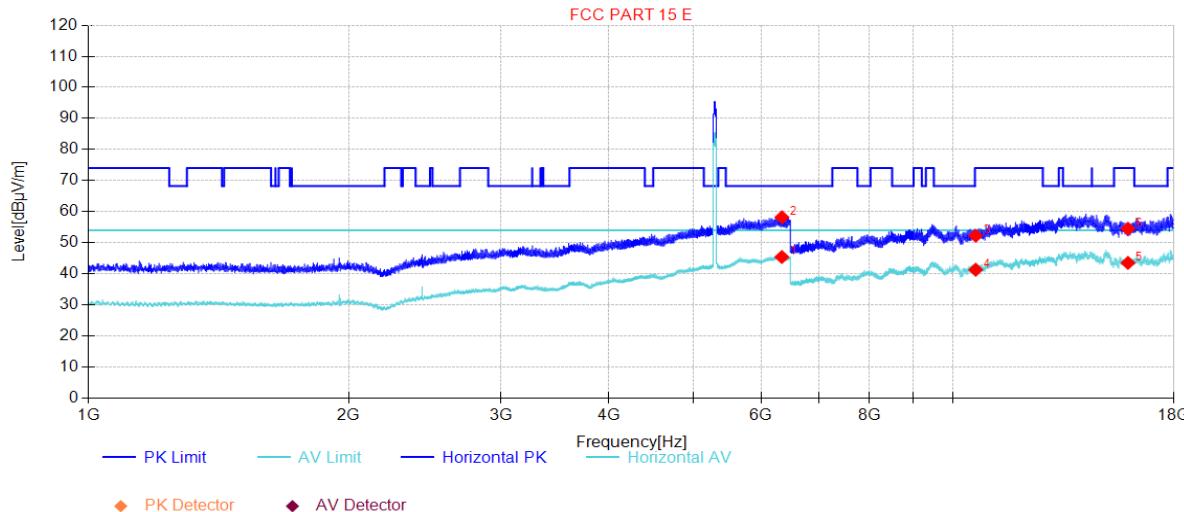
4.9.2.54 802.11N40_Channel 54**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	6466.631	45.62	18.53	54.00	8.38	150	Vertical
2	6482.765	58.16	18.62	68.20	10.04	150	Vertical
3	10540.00	52.38	2.39	68.20	15.82	150	Vertical
4	10540.00	41.66	2.39	54.00	12.34	150	Vertical
5	15810.00	43.31	5.12	54.00	10.69	150	Vertical
6	15810.00	53.07	5.12	74.00	20.93	150	Vertical

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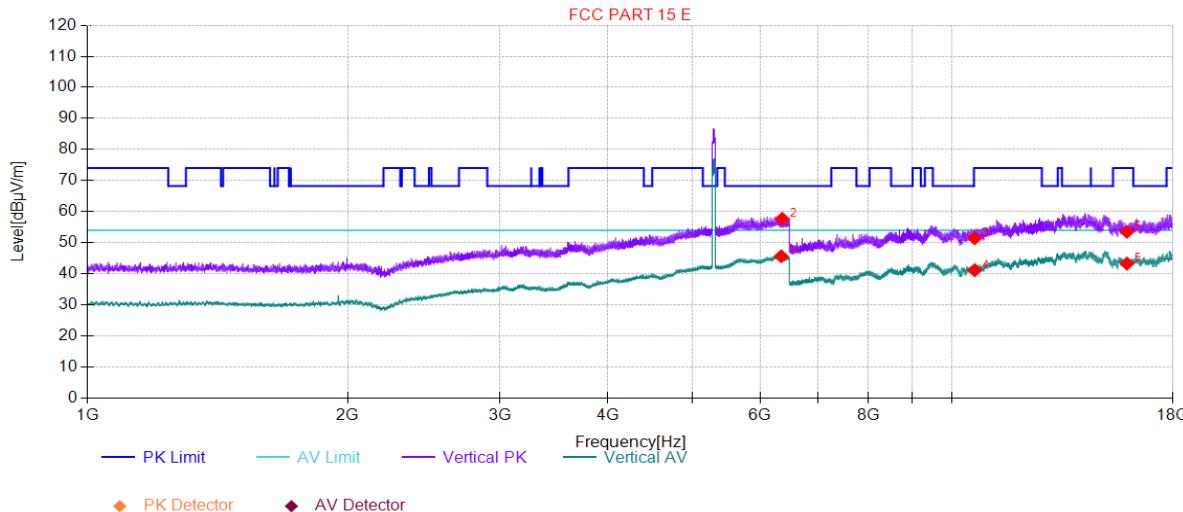
4.9.2.55 802.11N40_Channel 62**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6337.555	45.38	18.36	54.00	8.62	150	Horizontal
2	6339.756	58.15	18.36	68.20	10.05	150	Horizontal
3	10620.00	52.22	2.23	74.00	21.78	150	Horizontal
4	10620.00	41.27	2.23	54.00	12.73	150	Horizontal
5	15930.00	43.47	5.15	54.00	10.53	150	Horizontal
6	15930.00	54.47	5.15	74.00	19.53	150	Horizontal

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4.9.2.56 802.11N40_Channel 62**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6344.523	45.60	18.34	54.00	8.40	150	Vertical
2	6359.924	57.67	18.29	68.20	10.53	150	Vertical
3	10620.00	51.41	2.23	74.00	22.59	150	Vertical
4	10620.00	41.12	2.23	54.00	12.88	150	Vertical
5	15930.00	43.25	5.15	54.00	10.75	150	Vertical
6	15930.00	53.50	5.15	74.00	20.50	150	Vertical

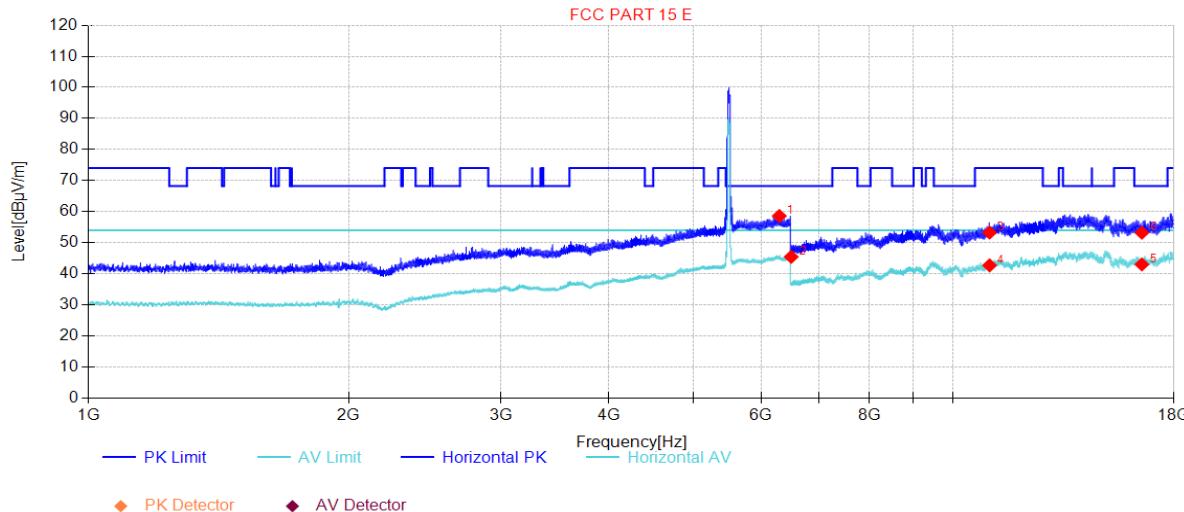
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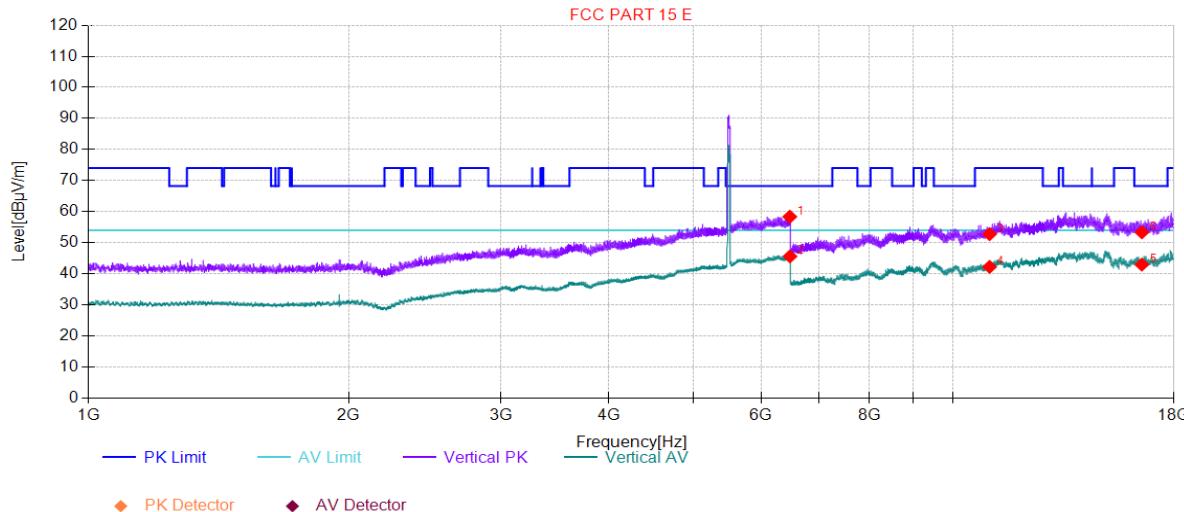
4.9.2.57 802.11N40_Channel 102**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6295.019	58.58	18.46	68.20	9.62	150	Horizontal
2	6497.799	45.43	18.70	54.00	8.57	150	Horizontal
3	11020.00	53.24	2.69	74.00	20.76	150	Horizontal
4	11020.00	42.68	2.69	54.00	11.32	150	Horizontal
5	16530.00	42.98	5.27	54.00	11.02	150	Horizontal
6	16530.00	53.21	5.27	68.20	14.99	150	Horizontal

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4.9.2.58 802.11N40_Channel 102**Test Graph****Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Polarity
1	6473.231	58.34	18.57	68.20	9.86	150	Vertical
2	6476.898	45.59	18.59	54.00	8.41	150	Vertical
3	11020.00	52.72	2.69	74.00	21.28	150	Vertical
4	11020.00	42.20	2.69	54.00	11.80	150	Vertical
5	16530.00	42.93	5.27	54.00	11.07	150	Vertical
6	16530.00	53.34	5.27	68.20	14.86	150	Vertical

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