

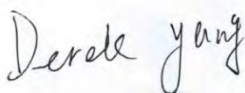
FCC TEST REPORT

Application No.: HR/2021/10014
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.: NTN-LX3
Trade Mark: HONOR
FCC ID: 2AYGCNTN-LX3
Standards: 47 CFR FCC Part 2, Subpart J
 47 CFR Part 15, Subpart C
Date of Receipt: 2021/1/28
Date of Test: 2021/1/28 to 2021/2/19
Date of Issue: 2021/2/19

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

Authorized Signature:



Derek Yang
Wireless Laboratory Manager



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1 Version

Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2021-02-19		Original

Authorized for issue by:			
Tested By		Dee.Zheng	
		(Dee Zheng) /Project Engineer	
Checked By		David Chen	
		(David Chen) /Reviewer	



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2 Test Summary

Test Item	Test Requirement	Test Method	Test Result	Result	Test Lab*
AC Power Line Conducted Emission	15.207	ANSI C63.10 2013	Clause 4.2	PASS	B
Duty Cycle	--	--	Clause 4.3	PASS	A
Conducted Output Power	15.247 (b)(3)	ANSI C63.10 2013	Clause 4.4	PASS	A
DTS (6 dB) Bandwidth & 99% Occupied Bandwidth	15.247 (a)(2)	ANSI C63.10 2013	Clause 4.5	PASS	A
Power Spectral Density	15.247 (e)	ANSI C63.10 2013	Clause 4.6	PASS	A
Band-edge for RF Conducted Emissions	15.247(d)	ANSI C63.10 2013	Clause 4.7	PASS	A
RF Conducted Spurious Emissions	15.247(d)	ANSI C63.10 2013	Clause 4.8	PASS	A
Radiated Spurious Emissions	15.247(d);15.205/15.209	ANSI C63.10 2013	Clause 4.9	PASS	B
Restricted bands around fundamental frequency (Radiated Emission)	15.247(d);15.205/15.209	ANSI C63.10 2013	Clause 4.10	PASS	B



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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

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:	Smart Phone
Model No.:	NTN-LX3
Trade Mark:	HONOR
Hardware Version:	HL1NTNM
Software Version:	5.0.0.74(C900E74R1P2)
IEEE 802.11 WLAN Mode Supported	☒ 802.11B (20 MHz channel bandwidth), ☒ 802.11G (20 MHz channel bandwidth), ☒ 802.11N (20 MHz channel bandwidth), ☒ 802.11N (40 MHz channel bandwidth)
Operation Frequency:	2400 MHz -2483.5MHz $f_c = 2407 \text{ MHz} + N * 5 \text{ MHz}$, where: $-f_c$ = "Operating Frequency" in MHz, $-N$ = "Channel Number" with the range from 1 to 11 for the 20 MHz channel bandwidth, or 3 to 9 for the 40 MHz channel bandwidth.
Type of Modulation:	IEEE for 802.11B: DSSS IEEE for 802.11G : OFDM IEEE for 802.11N(HT20) : OFDM IEEE for 802.11N(HT40) : OFDM
Sample Type:	☒ Portable Device, ☐ Module
Antenna Type:	☐ External, ☒ Integrated
Antenna Ports	☒ Ant 1, ☐ Ant 2, ☐ Ant 3
Smart System	☒ SISO (for 802.11B/G/N), ☐ MIMO (for 802.11N): 2 Tx & 2 Rx, ☐ Diversity (for 802.11B/G) : Tx & Rx
Antenna Gain:	-2.2dBi

Operation Frequency of each channel (802.11B/G/N HT20)

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2412MHz	4	2427MHz	7	2442MHz	10	2457MHz
2	2417MHz	5	2432MHz	8	2447MHz	11	2462MHz
3	2422MHz	6	2437MHz	9	2452MHz		

Operation Frequency of each channel (802.11N HT40)

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
3	2422MHz	6	2437MHz	9	2452MHz		
4	2427MHz	7	2442MHz				
5	2432MHz	8	2447MHz				



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Remark:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Channel	Frequency for 802.11B/G/N (HT20)	Frequency for 802.11N (HT40)
The Lowest channel	2412MHz	2422MHz
The Middle channel	2437MHz	2437MHz
The Highest channel	2462MHz	2452MHz

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.

3.6 Description of Support Units

The EUT has been tested independent unit.



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4 Test results and Measurement Data

4.1 Antenna Requirement

Standard requirement:	47 CFR Part 15C Section 15.203 /247(c)
15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. 15.247(b) (4) requirement: The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.	
The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is -2.2dBi.	



4.2 AC Power Line Conducted Emissions

Test Requirement:	47 CFR Part 15C Section 15.207		
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. 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.		

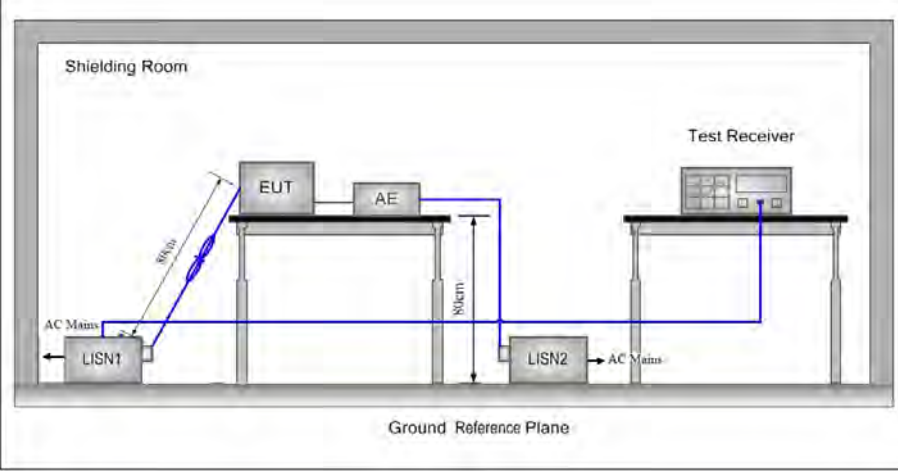


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Test Setup:	
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates at lowest, middle and highest channel. Charge + Transmitting mode.
Final Test Mode:	Through Pre-scan, find the 1Mbps of rate of 802.11B at lowest channel is the worst case. Charge + Transmitting mode. Only the worst case is recorded in the report.
Instruments Used:	Refer to section 6 for details
Test Results:	Pass
Remark:	The Emission Test data were reused from the report no:XHR/2021/1001401



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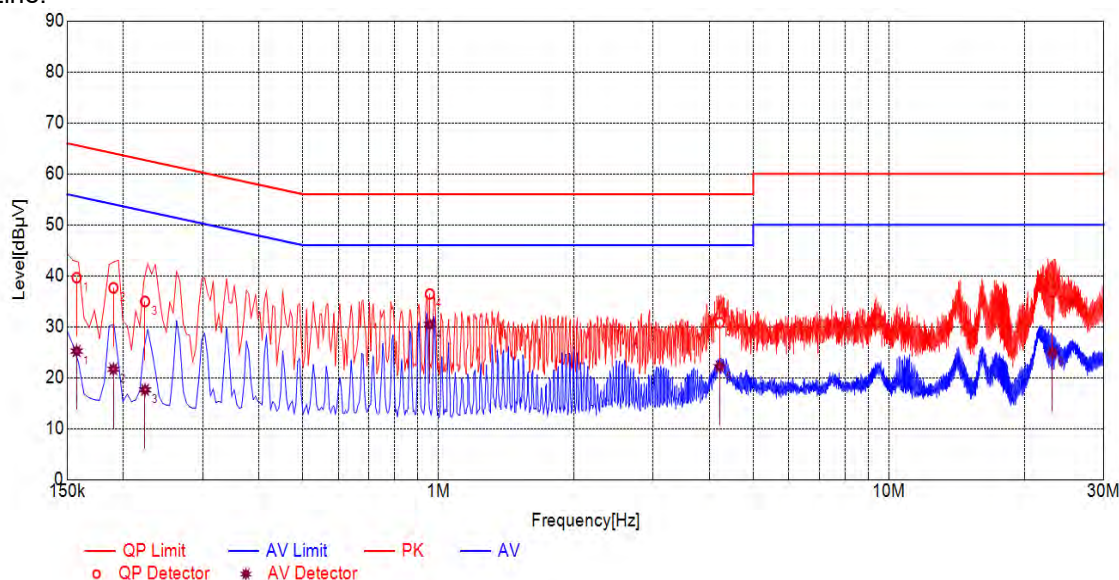
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Measurement Data

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

Live Line:



Test Graph

Final Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]
1	0.1575	10.10	39.63	65.60	25.97	25.22	55.60	30.38
2	0.1901	10.10	37.63	64.03	26.40	21.66	54.03	32.37
3	0.2234	10.10	34.96	62.69	27.73	17.62	52.69	35.07
4	0.9574	10.10	36.43	56.00	19.57	30.44	46.00	15.56
5	4.2125	10.10	30.84	56.00	25.16	22.17	46.00	23.83
6	23.0784	10.11	36.84	60.00	23.16	24.92	50.00	25.08

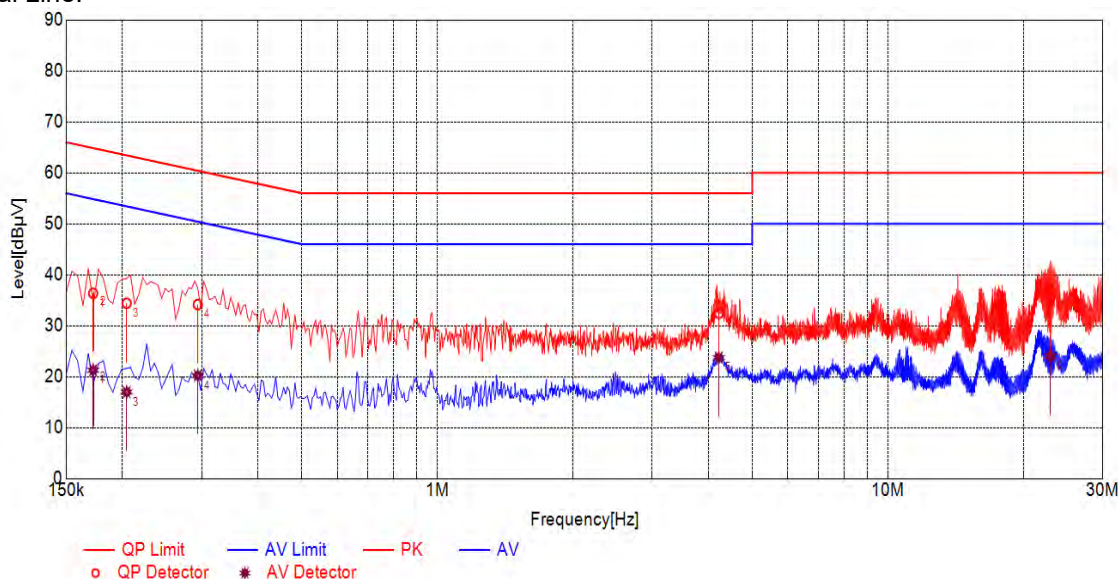


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Neutral Line:



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	0.1722	10.10	36.36	64.85	28.49	21.26	54.85	33.59
2	0.1726	10.10	36.73	64.84	28.11	21.84	54.84	33.00
3	0.2044	10.10	34.41	63.43	29.02	16.97	53.43	36.46
4	0.2940	10.10	34.16	60.41	26.25	20.23	50.41	30.18
5	4.2144	10.10	32.43	56.00	23.57	23.75	46.00	22.25
6	22.9557	10.11	35.59	60.00	24.41	24.01	50.00	25.99

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

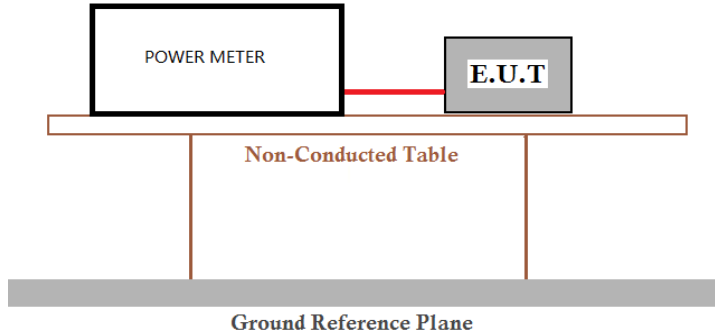
The detailed test data see: **Appendix**



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4.4 Conducted Output Power

Test Requirement:	47 CFR Part 15C Section 15.247 (b)(3)
Test Method:	ANSI C63.10 :2013 Section 11.9.1.3
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 1Mbps of rate is the worst case of 802.11B; 6Mbps of rate is the worst case of 802.11G ; 6.5Mbps of rate is the worst case of 802.11N(HT20); 13.5Mbps of rate is the worst case of 802.11N(HT40).
Limit:	30dBm
Test Results:	Pass

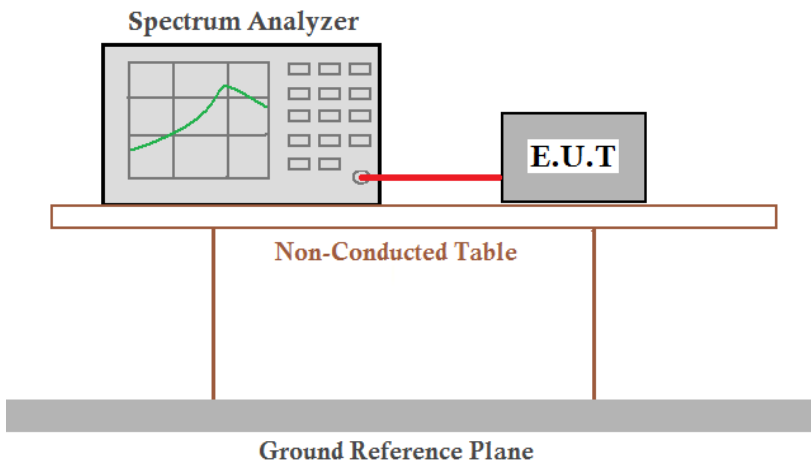
The detailed test data see: **Appendix**



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4.5 DTS (6 dB) Bandwidth & 99% Occupied Bandwidth

Test Requirement:	47 CFR Part 15C Section 15.247 (a)(2)
Test Method:	ANSI C63.10: 2013 Section 11.8.1 Option 1
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 1Mbps of rate is the worst case of 802.11B; 6Mbps of rate is the worst case of 802.11G ; 6.5Mbps of rate is the worst case of 802.11N(HT20); 13.5Mbps of rate is the worst case of 802.11N(HT40).
Limit:	≥ 500 kHz
Test Results:	Pass

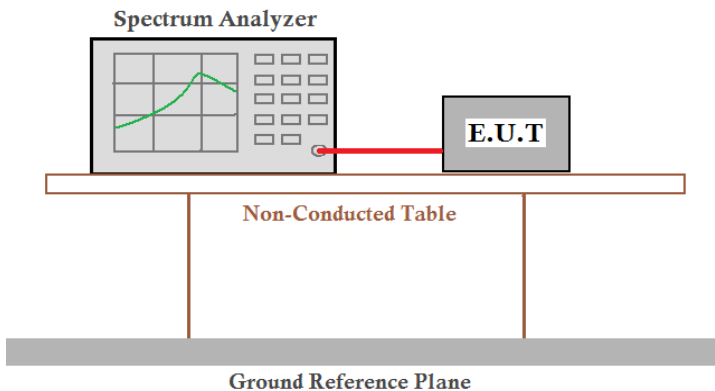
The detailed test data see: **Appendix**



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4.6 Power Spectral Density

Test Requirement:	47 CFR Part 15C Section 15.247 (e)
Test Method:	ANSI C63.10 :2013 Section 11.10.2
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 1Mbps of rate is the worst case of 802.11B; 6Mbps of rate is the worst case of 802.11G ; 6.5Mbps of rate is the worst case of 802.11N(HT20); 13.5Mbps of rate is the worst case of 802.11N(HT40).
Limit:	≤8.00dBm/3kHz
Test Results:	Pass

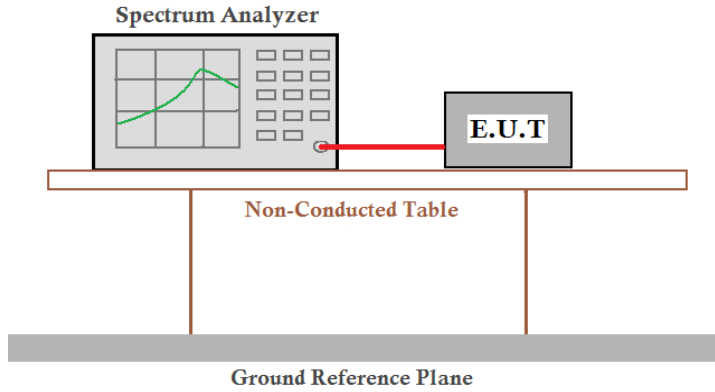
The detailed test data see: **Appendix**



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4.7 Band-edge for RF Conducted Emissions

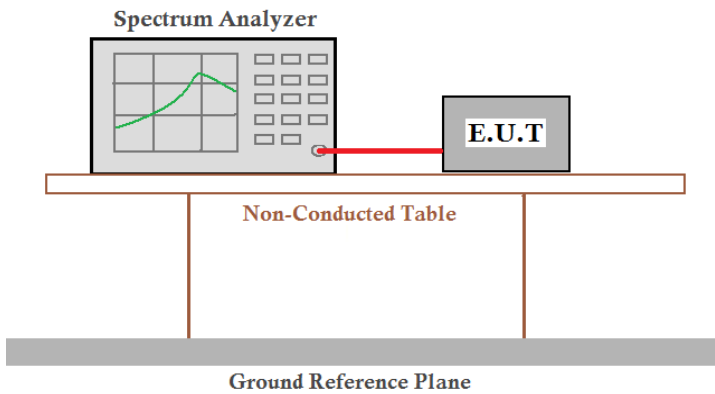
Test Requirement:	47 CFR Part 15C Section 15.247 (d)
Test Method:	ANSI C63.10: 2013 Section 11.13
Test Setup:	
Instruments Used:	Refer to section 6 for details
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Through Pre-scan, find the 1Mbps of rate is the worst case of 802.11B; 6Mbps of rate is the worst case of 802.11G ; 6.5Mbps of rate is the worst case of 802.11N(HT20); 13.5Mbps of rate is the worst case of 802.11N(HT40).
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.
Test Results:	Pass

The detailed test data see: **Appendix**



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4.8 RF Conducted Spurious Emissions

Test Requirement:	47 CFR Part 15C Section 15.247 (d)
Test Method:	ANSI C63.10: 2013 Section 11.11
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 1Mbps of rate is the worst case of 802.11B; 6Mbps of rate is the worst case of 802.11G ; 6.5Mbps of rate is the worst case of 802.11N(HT20); 13.5Mbps of rate is the worst case of 802.11N(HT40).
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.
Test Results:	Pass

The detailed test data see: **Appendix**



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4.9 Radiated Spurious Emissions

Test Requirement:	47 CFR Part 15C Section 15.209 and 15.205				
Test Method:	ANSI C63.10 :2013 Section 11.12				
Test Site:	Measurement Distance: 3m or 10m (Semi-Anechoic Chamber)				
Receiver Setup:	Frequency	Detector	RBW	VBW	Remark
	0.009MHz-0.090MHz	Peak	10kHz	30kHz	Peak
	0.009MHz-0.090MHz	Average	10kHz	30kHz	Average
	0.090MHz-0.110MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
	0.110MHz-0.490MHz	Peak	10kHz	30kHz	Peak
	0.110MHz-0.490MHz	Average	10kHz	30kHz	Average
	0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
	30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak
	Above 1GHz	Peak	1MHz	3MHz	Peak
		Peak	1MHz	10Hz (DC $\geq$ 0.98) $\geq$ 1/T (DC<0.98)	Average
Limit:	Frequency	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measurement distance (m)
	0.009MHz-0.490MHz	2400/F(kHz)	-	-	300
	0.490MHz-1.705MHz	24000/F(kHz)	-	-	30
	1.705MHz-30MHz	30	-	-	30
	30MHz-88MHz	100	40.0	Quasi-peak	3
	88MHz-216MHz	150	43.5	Quasi-peak	3
	216MHz-960MHz	200	46.0	Quasi-peak	3
	960MHz-1GHz	500	54.0	Quasi-peak	3
	Above 1GHz	500	54.0	Average	3
	Remark: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.				



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Test Setup:

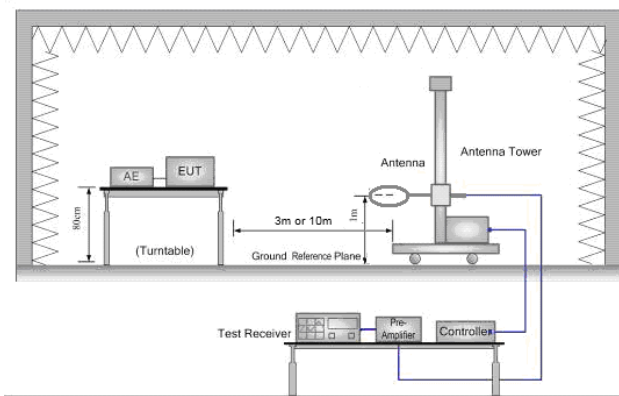


Figure 1. Below 30MHz

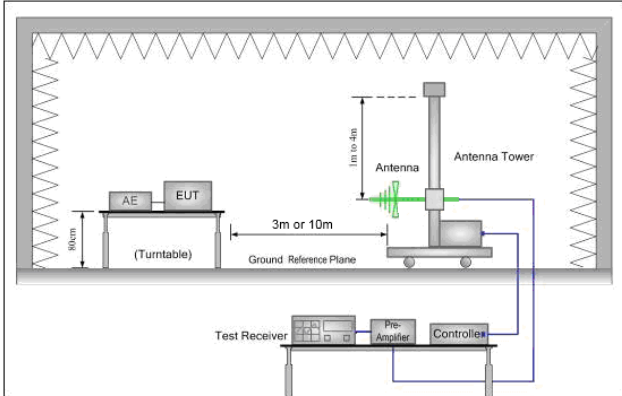


Figure 2. 30MHz to 1GHz

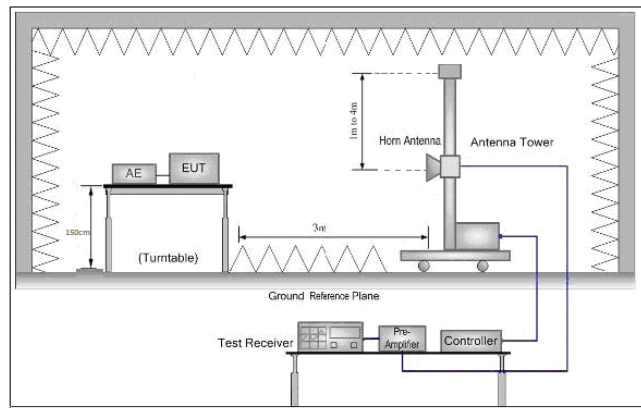


Figure 3. Above 1 GHz

Test Procedure:

- For below 1GHz, 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, 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.
- Use the following spectrum analyzer settings:
 - Span shall wide enough to fully capture the emission being measured;
 - Set RBW=100 kHz for $f < 1$ GHz, RBW=1MHz for $f > 1$ GHz ;
VBW $\geq$ RBW; Sweep = auto;
Detector function = peak; Trace = max hold for peak
 - For average measurement: use duty cycle correction factor method per 15.35(c).



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	Duty cycle = On time/100 milliseconds On time = $N_1 * L_1 + N_2 * L_2 + \dots + N_{n-1} * L_{n-1} + N_n * L_n$ Where N_1 is number of type 1 pulses, L_1 is length of type 1 pulses, etc. Average Emission Level = Peak Emission Level + $20 * \log(\text{Duty cycle})$ f. 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 (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. g. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. h. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. i. Test the EUT in the lowest channel, the middle channel, the Highest channel. j. 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. k. Repeat above procedures until all frequencies measured was complete.
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates. Charge + Transmitting mode.
Test Configuration:	Measurements Below 1000MHz • RBW = 120 kHz • VBW = 300 kHz • 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.
Final Test Mode:	Pretest the EUT at Charge + Transmitting mode. Through Pre-scan, find the 1Mbps of rate is the worst case of 802.11B; 6Mbps of rate is the worst case of 802.11G; 6.5Mbps of rate is the worst case of 802.11N(HT20);



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	13.5Mbps of rate is the worst case of 802.11N(HT40); For below 1GHz, through Pre-scan, find the 1Mbps of rate of 802.11B at lowest channel is the worst case. Only the worst case is recorded in the report.
Instruments Used:	Refer to section 6 for details
Test Results:	Pass
Remark:	The Emission Test data were reused from the report no:XHR/2021/1001401



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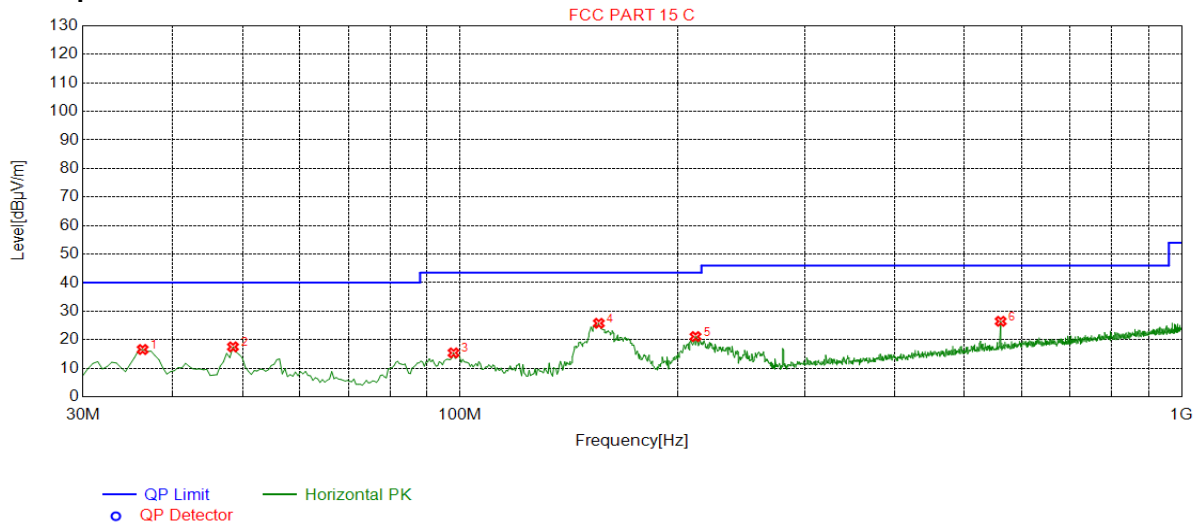
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4.9.1 Radiated emission below 1GHz

4.9.1.1 Charge + Transmitting

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	36.3082	16.60	-32.34	40.00	23.40	100	259	Horizontal
2	48.4392	17.52	-30.19	40.00	22.48	200	265	Horizontal
3	97.9340	15.41	-32.04	43.50	28.09	100	103	Horizontal
4	155.677	25.78	-34.51	43.50	17.72	300	234	Horizontal
5	211.966	21.13	-30.56	43.50	22.37	100	69	Horizontal
6	561.340	26.47	-21.14	46.00	19.53	200	47	Horizontal

Final Data List



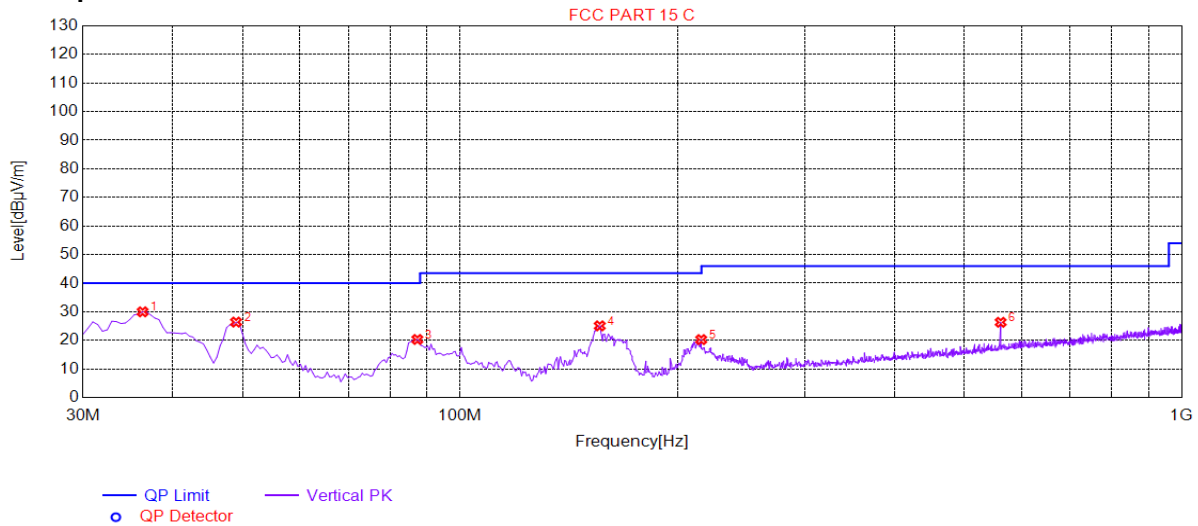
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Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	36.3082	30.00	-32.34	40.00	10.00	100	285	Vertical
2	48.9245	26.41	-30.19	40.00	13.59	300	326	Vertical
3	87.2586	20.34	-34.09	40.00	19.66	100	248	Vertical
4	156.163	25.09	-34.48	43.50	18.41	200	173	Vertical
5	215.847	20.29	-30.44	43.50	23.21	100	40	Vertical
6	561.340	26.34	-21.14	46.00	19.66	200	136	Vertical

Final Data List



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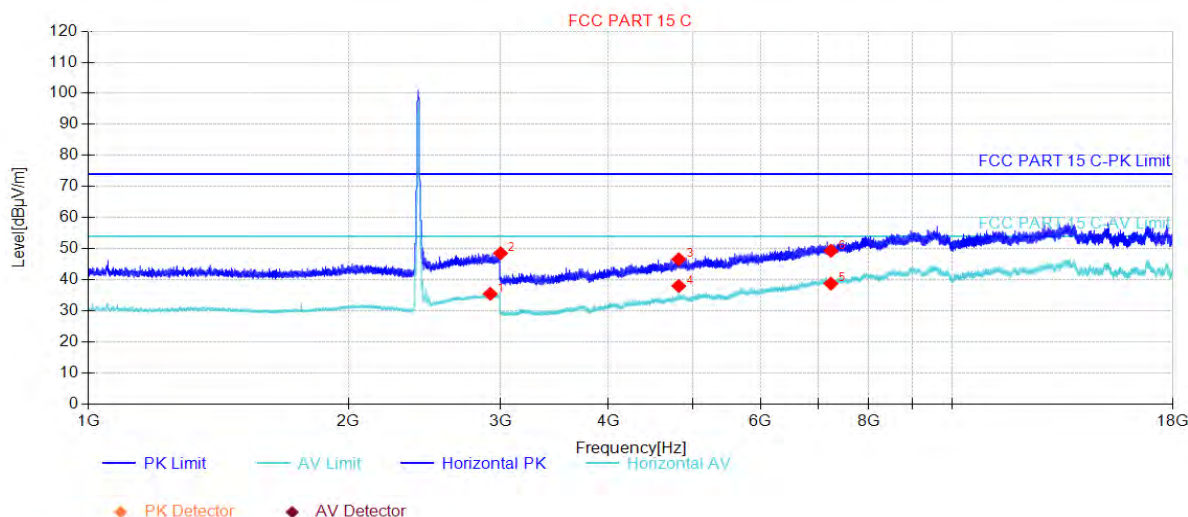
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4.9.2 Transmitter emission above 1GHz

4.9.2.1 802.11B_Channel 1

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2918.791	35.43	7.04	54.00	18.57	100	Horizontal
2	2999.600	48.50	7.41	74.00	25.50	200	Horizontal
3	4824.000	46.57	-10.56	74.00	27.43	300	Horizontal
4	4824.000	37.97	-10.56	54.00	16.03	100	Horizontal
5	7236.000	38.72	-2.59	54.00	15.28	100	Horizontal
6	7236.000	49.30	-2.59	74.00	24.70	200	Horizontal

Final Data List

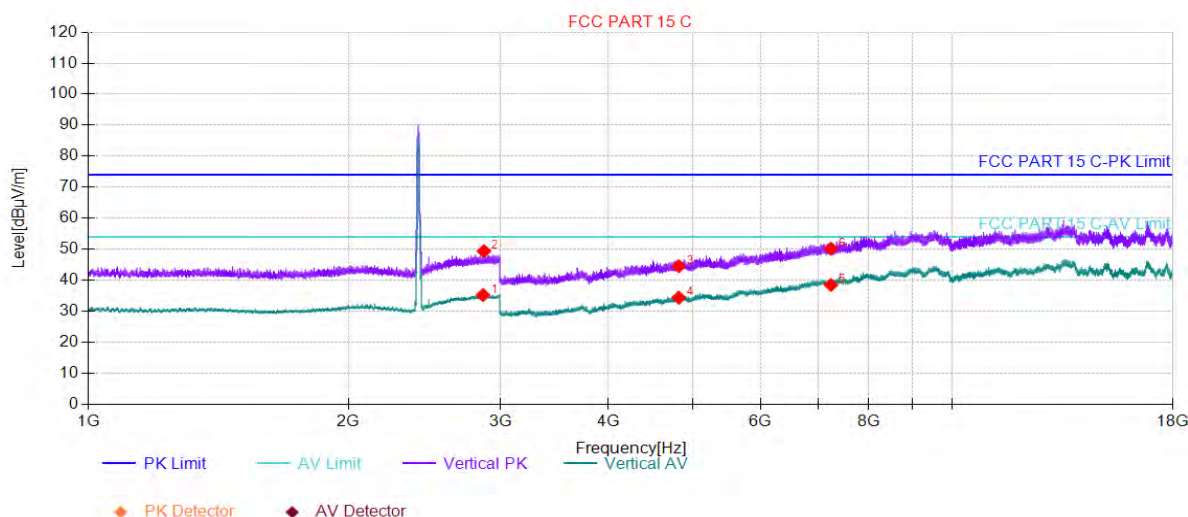


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4.9.2.2 802.11B_Channel 1

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2863.186	35.20	6.87	54.00	18.80	100	Vertical
2	2870.387	49.35	6.88	74.00	24.65	300	Vertical
3	4824.000	44.53	-10.56	74.00	29.47	100	Vertical
4	4824.000	34.35	-10.56	54.00	19.65	200	Vertical
5	7236.000	38.45	-2.59	54.00	15.55	300	Vertical
6	7236.000	50.15	-2.59	74.00	23.85	100	Vertical

Final Data List



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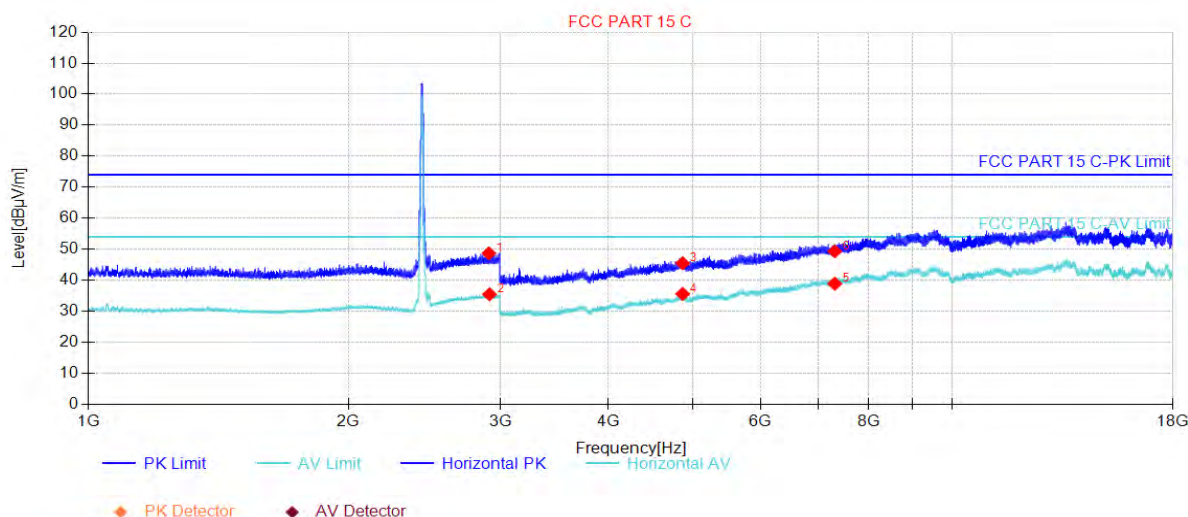
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4.9.2.3 802.11B_Channel 6

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2908.390	48.68	6.99	74.00	25.32	100	Horizontal
2	2913.191	35.41	7.01	54.00	18.59	200	Horizontal
3	4874.000	45.44	-10.40	74.00	28.56	100	Horizontal
4	4874.000	35.53	-10.40	54.00	18.47	300	Horizontal
5	7311.000	38.87	-2.58	54.00	15.13	100	Horizontal
6	7311.000	49.31	-2.58	74.00	24.69	100	Horizontal

Final Data List



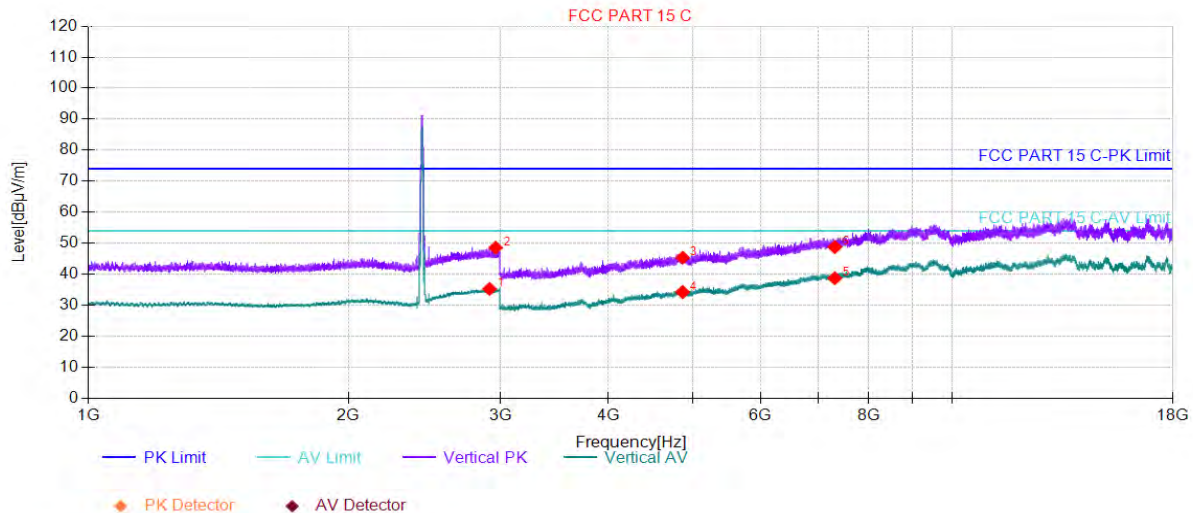
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4.9.2.4 802.11B_Channel 6

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2913.191	35.24	7.01	54.00	18.76	100	Vertical
2	2960.596	48.52	7.23	74.00	25.48	100	Vertical
3	4874.000	45.31	-10.40	74.00	28.69	100	Vertical
4	4874.000	34.21	-10.40	54.00	19.79	200	Vertical
5	7311.000	38.68	-2.58	54.00	15.32	300	Vertical
6	7311.000	48.74	-2.58	74.00	25.26	100	Vertical

Final Data List



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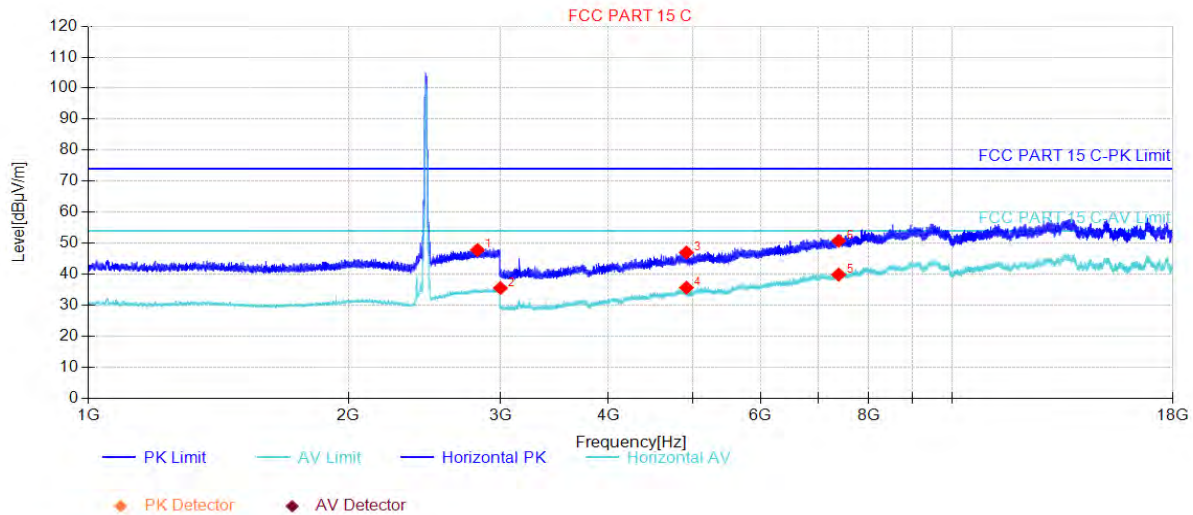
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4.9.2.5 802.11B_Channel 11

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2820.382	47.79	6.77	74.00	26.21	100	Horizontal
2	2998.599	35.52	7.40	54.00	18.48	300	Horizontal
3	4924.000	47.01	-10.22	74.00	26.99	200	Horizontal
4	4924.000	35.62	-10.22	54.00	18.38	100	Horizontal
5	7386.000	39.85	-2.06	54.00	14.15	300	Horizontal
6	7386.000	50.74	-2.06	74.00	23.26	200	Horizontal

Final Data List



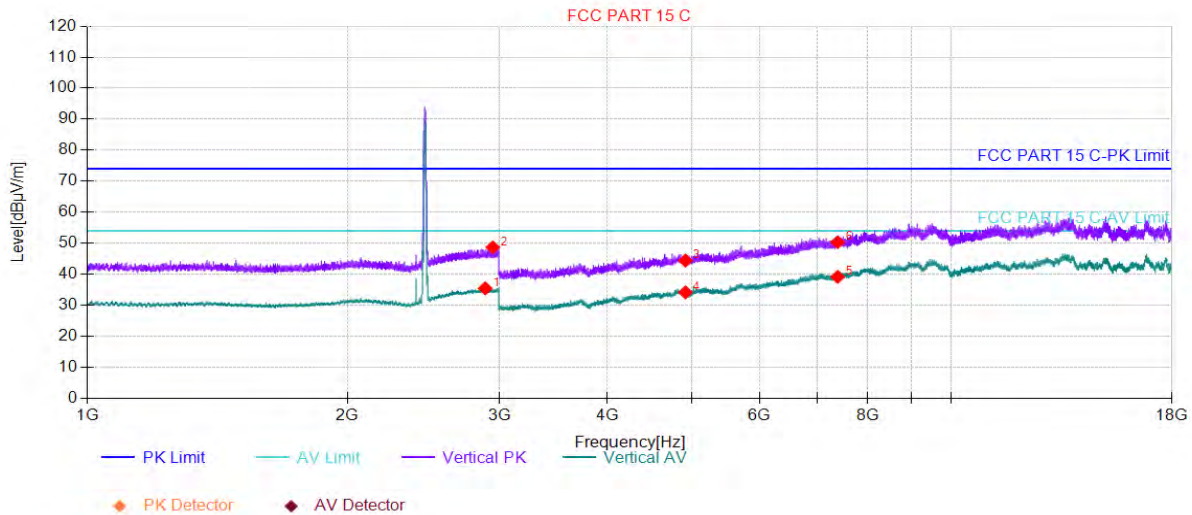
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4.9.2.6 802.11B_Channel 11

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2887.588	35.39	6.92	54.00	18.61	100	Vertical
2	2946.594	48.66	7.16	74.00	25.34	100	Vertical
3	4924.000	44.37	-10.22	74.00	29.63	200	Vertical
4	4924.000	34.12	-10.22	54.00	19.88	300	Vertical
5	7386.000	39.11	-2.06	54.00	14.89	400	Vertical
6	7386.000	50.31	-2.06	74.00	23.69	200	Vertical

Final Data List

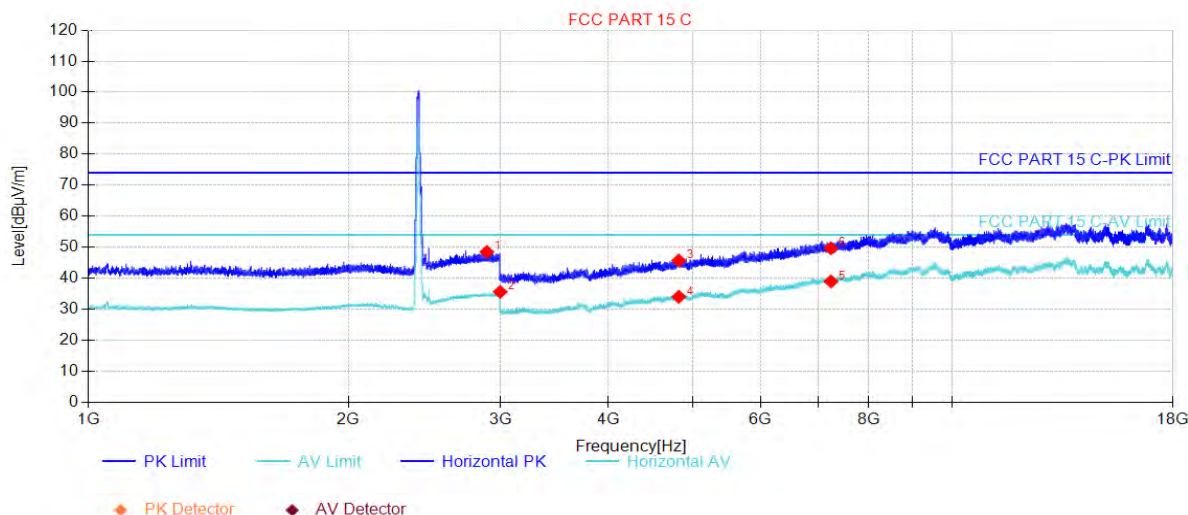


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4.9.2.7 802.11G_Channel 1

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2892.789	48.45	6.93	74.00	25.55	100	Horizontal
2	2996.999	35.58	7.40	54.00	18.42	200	Horizontal
3	4824.000	45.68	-10.56	74.00	28.32	300	Horizontal
4	4824.000	33.97	-10.56	54.00	20.03	100	Horizontal
5	7236.000	38.95	-2.59	54.00	15.05	200	Horizontal
6	7236.000	49.65	-2.59	74.00	24.35	100	Horizontal

Final Data List

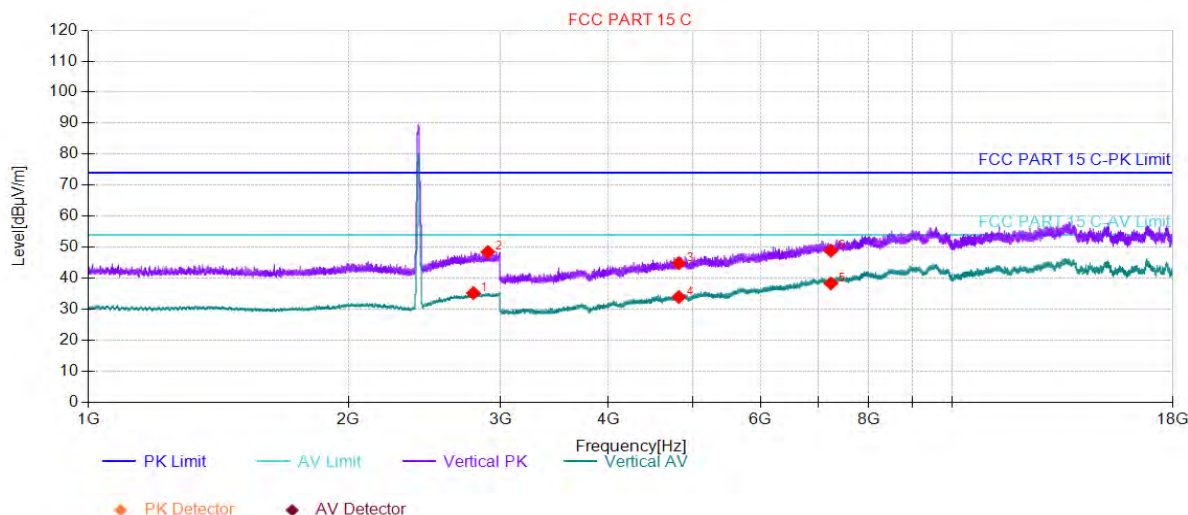


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4.9.2.8 802.11G_Channel 1

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2790.579	35.18	6.63	54.00	18.82	200	Vertical
2	2900.790	48.44	6.95	74.00	25.56	300	Vertical
3	4824.000	44.81	-10.56	74.00	29.19	100	Vertical
4	4824.000	33.90	-10.56	54.00	20.10	200	Vertical
5	7236.000	38.30	-2.59	54.00	15.70	100	Vertical
6	7236.000	48.84	-2.59	74.00	25.16	200	Vertical

Final Data List

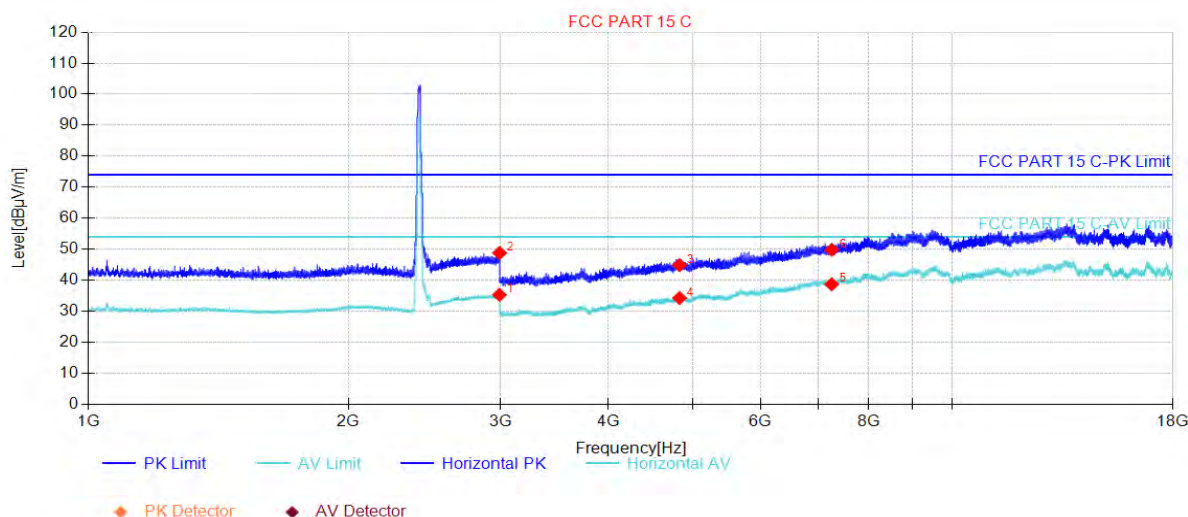


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4.9.2.9 802.11G_Channel 2

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2990.799	35.27	7.37	54.00	18.73	200	Horizontal
2	2991.199	48.77	7.37	74.00	25.23	300	Horizontal
3	4834.000	44.83	-10.53	74.00	29.17	100	Horizontal
4	4834.000	34.21	-10.53	54.00	19.79	100	Horizontal
5	7251.000	38.67	-2.61	54.00	15.33	200	Horizontal
6	7251.000	49.82	-2.61	74.00	24.18	100	Horizontal

Final Data List

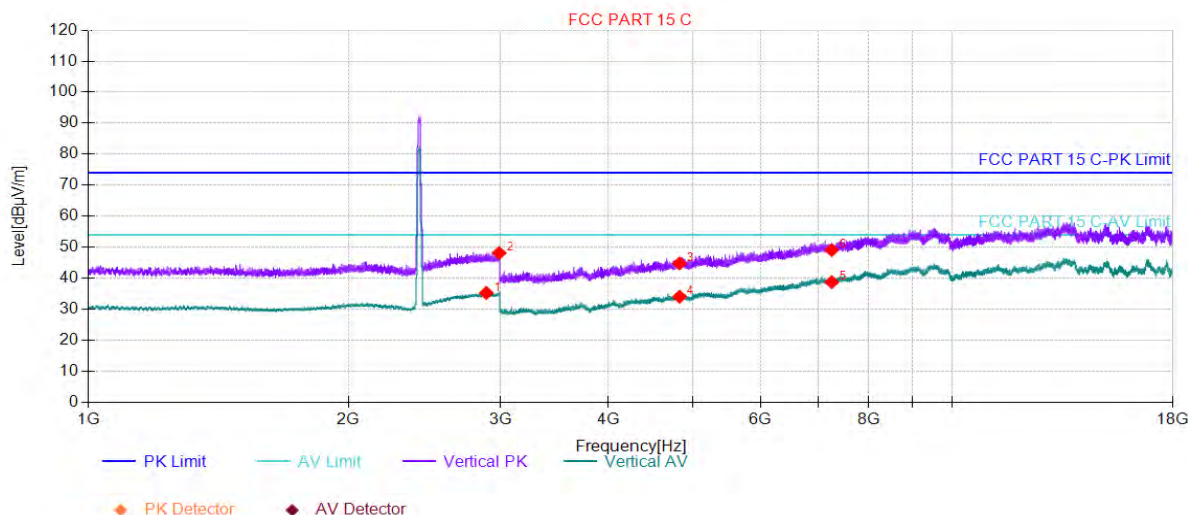


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4.9.2.10 802.11G_Channel 2

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2887.988	35.22	6.92	54.00	18.78	300	Vertical
2	2988.598	48.11	7.36	74.00	25.89	100	Vertical
3	4834.000	44.74	-10.53	74.00	29.26	200	Vertical
4	4834.000	34.00	-10.53	54.00	20.00	100	Vertical
5	7251.000	38.73	-2.61	54.00	15.27	200	Vertical
6	7251.000	49.07	-2.61	74.00	24.93	300	Vertical

Final Data List



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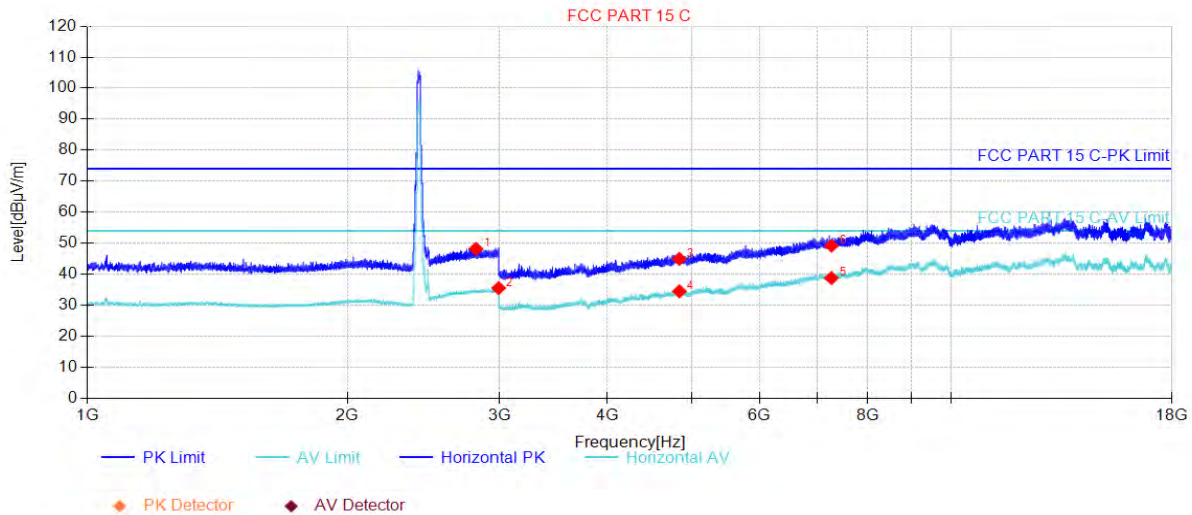
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4.9.2.11 802.11G_Channel 3

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2816.781	48.17	6.77	74.00	25.83	100	Horizontal
2	2992.399	35.51	7.38	54.00	18.49	200	Horizontal
3	4844.000	44.93	-10.50	74.00	29.07	300	Horizontal
4	4844.000	34.46	-10.50	54.00	19.54	100	Horizontal
5	7266.000	38.75	-2.62	54.00	15.25	200	Horizontal
6	7266.000	49.18	-2.62	74.00	24.82	300	Horizontal

Final Data List



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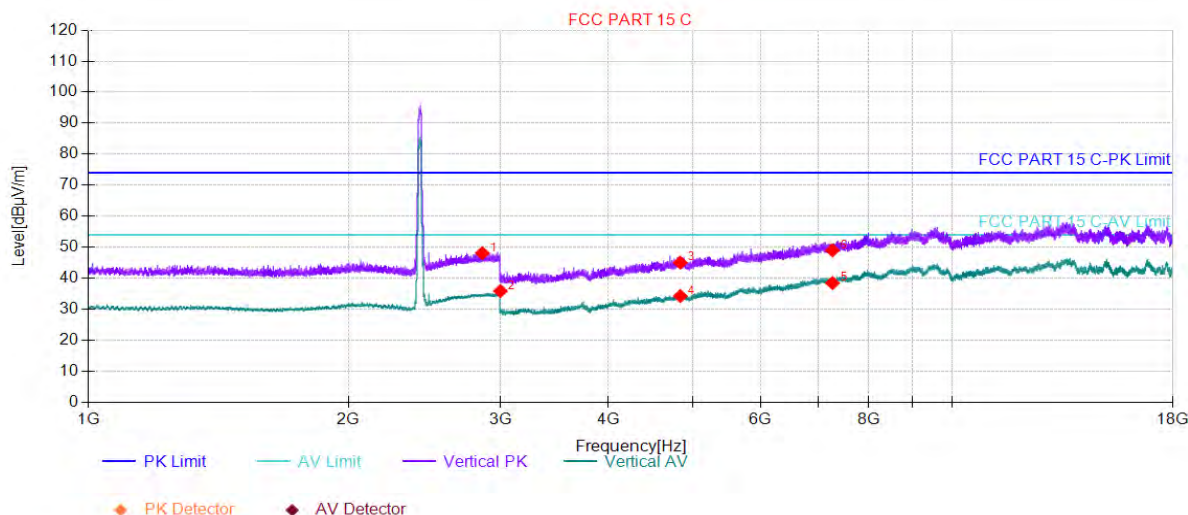
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4.9.2.12 802.11G_Channel 3

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2857.785	48.05	6.86	74.00	25.95	100	Vertical
2	2999.199	35.84	7.41	54.00	18.16	100	Vertical
3	4844.000	44.99	-10.50	74.00	29.01	200	Vertical
4	4844.000	34.21	-10.50	54.00	19.79	300	Vertical
5	7266.000	38.43	-2.62	54.00	15.57	100	Vertical
6	7266.000	48.97	-2.62	74.00	25.03	400	Vertical

Final Data List

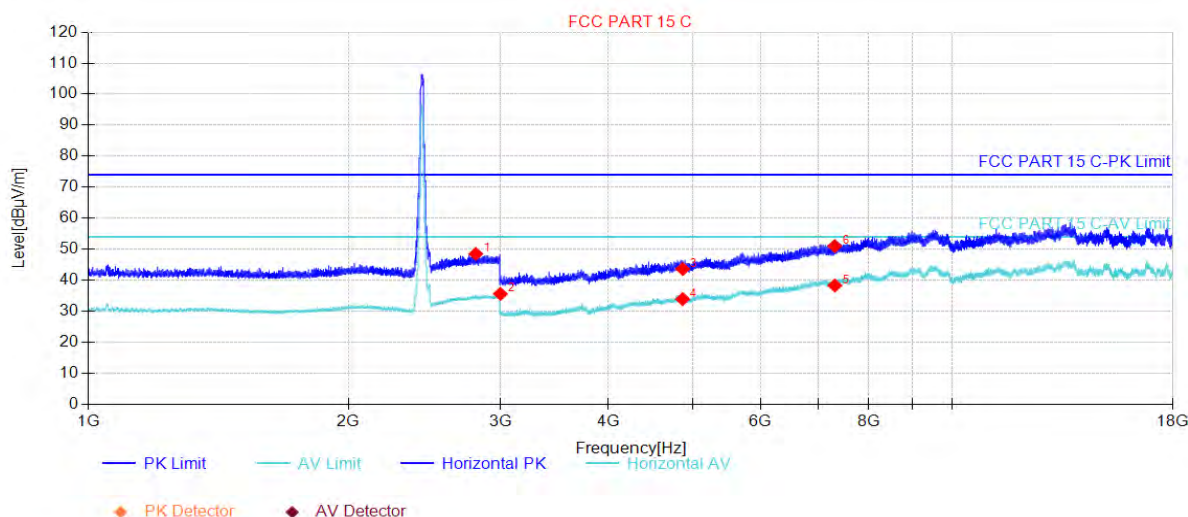


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4.9.2.13 802.11G_Channel 6

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2808.380	48.46	6.75	74.00	25.54	100	Horizontal
2	2998.799	35.57	7.40	54.00	18.43	200	Horizontal
3	4874.000	43.61	-10.40	74.00	30.39	300	Horizontal
4	4874.000	33.90	-10.40	54.00	20.10	400	Horizontal
5	7311.000	38.27	-2.58	54.00	15.73	100	Horizontal
6	7311.000	50.99	-2.58	74.00	23.01	200	Horizontal

Final Data List



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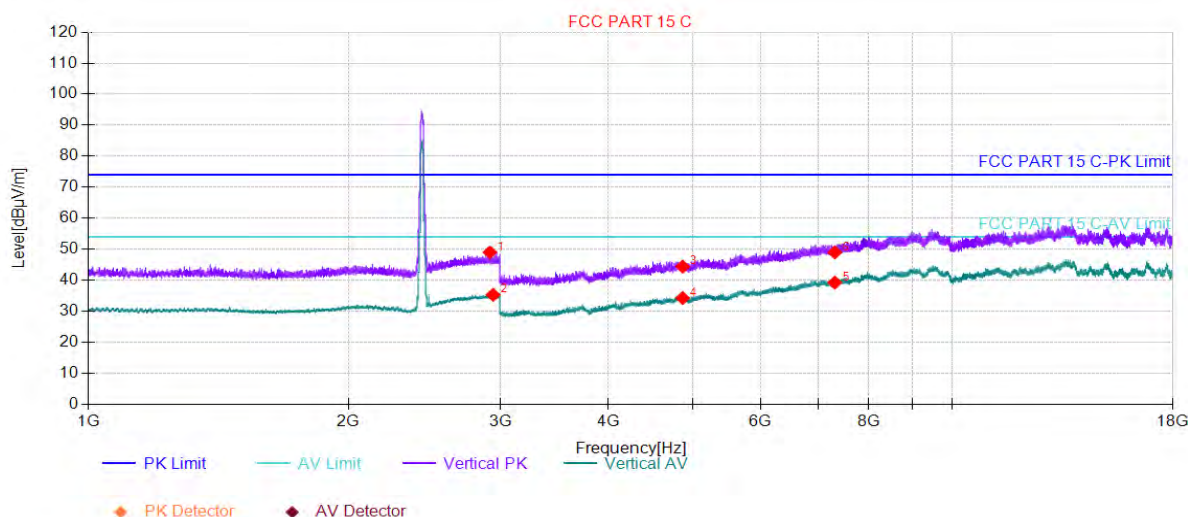
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4.9.2.14 802.11G_Channel 6

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2915.991	49.00	7.02	74.00	25.00	100	Vertical
2	2940.994	35.26	7.14	54.00	18.74	100	Vertical
3	4874.000	44.34	-10.40	74.00	29.66	200	Vertical
4	4874.000	34.22	-10.40	54.00	19.78	300	Vertical
5	7311.000	39.20	-2.58	54.00	14.80	200	Vertical
6	7311.000	48.97	-2.58	74.00	25.03	100	Vertical

Final Data List

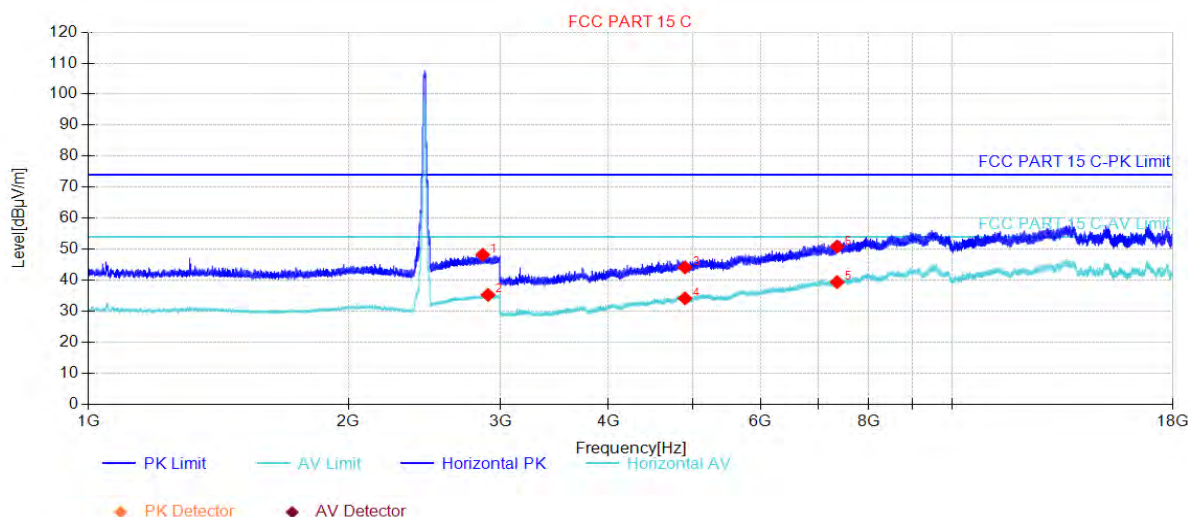


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4.9.2.15 802.11G_Channel 9

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2860.986	48.21	6.86	74.00	25.79	100	Horizontal
2	2902.190	35.25	6.96	54.00	18.75	100	Horizontal
3	4904.000	44.11	-10.30	74.00	29.89	200	Horizontal
4	4904.000	34.12	-10.30	54.00	19.88	300	Horizontal
5	7356.000	39.34	-2.27	54.00	14.66	100	Horizontal
6	7356.000	50.87	-2.27	74.00	23.13	200	Horizontal

Final Data List

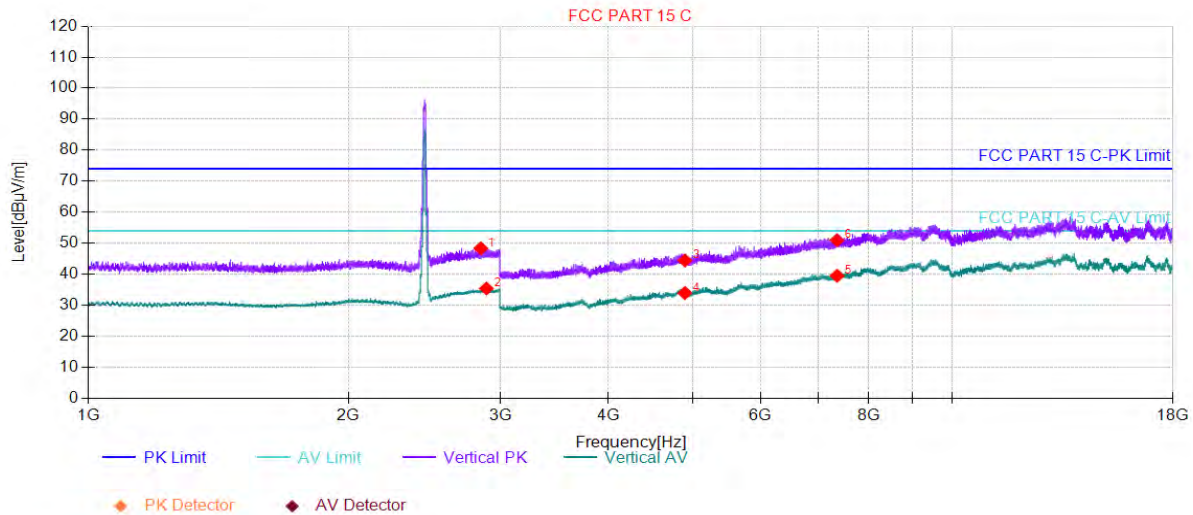


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4.9.2.16 802.11G_Channel 9

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2846.184	48.35	6.83	74.00	25.65	100	Vertical
2	2888.988	35.37	6.93	54.00	18.63	200	Vertical
3	4904.000	44.39	-10.30	74.00	29.61	100	Vertical
4	4904.000	33.91	-10.30	54.00	20.09	300	Vertical
5	7356.000	39.49	-2.27	54.00	14.51	400	Vertical
6	7356.000	50.97	-2.27	74.00	23.03	100	Vertical

Final Data List



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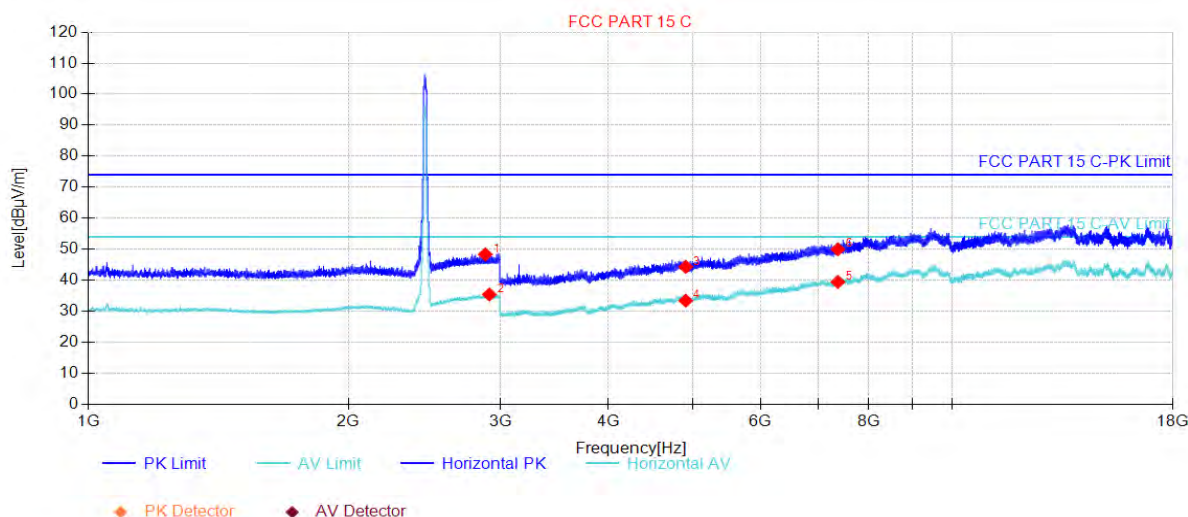
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4.9.2.17 802.11G_Channel 10

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2880.588	48.32	6.91	74.00	25.68	100	Horizontal
2	2912.191	35.36	7.01	54.00	18.64	200	Horizontal
3	4914.000	44.29	-10.26	74.00	29.71	300	Horizontal
4	4914.000	33.38	-10.26	54.00	20.62	100	Horizontal
5	7371.000	39.40	-2.16	54.00	14.60	100	Horizontal
6	7371.000	49.95	-2.16	74.00	24.05	200	Horizontal

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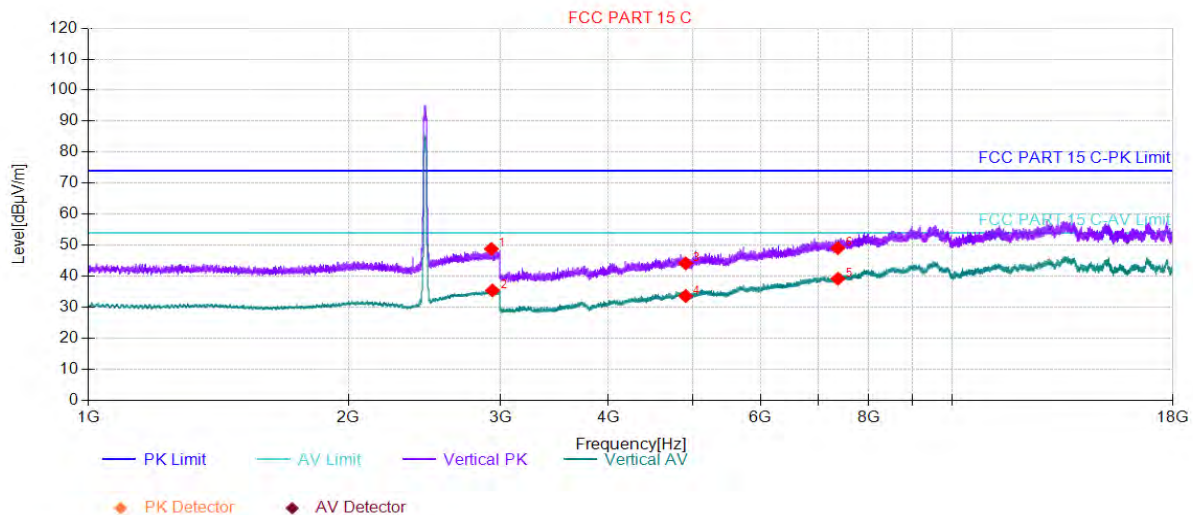
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4.9.2.18 802.11G_Channel 10

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2927.392	48.79	7.08	74.00	25.21	100	Vertical
2	2936.193	35.40	7.12	54.00	18.60	100	Vertical
3	4914.000	44.14	-10.26	74.00	29.86	300	Vertical
4	4914.000	33.59	-10.26	54.00	20.41	400	Vertical
5	7371.000	39.16	-2.16	54.00	14.84	100	Vertical
6	7371.000	49.03	-2.16	74.00	24.97	200	Vertical

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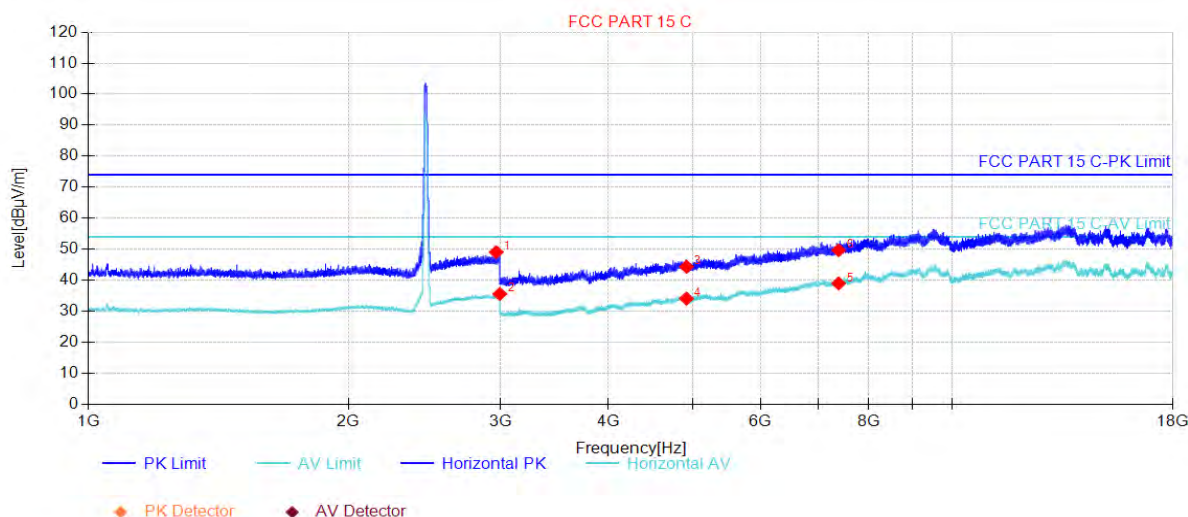
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4.9.2.19 802.11G_Channel 11

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2965.396	49.06	7.25	74.00	24.94	100	Horizontal
2	2993.599	35.54	7.38	54.00	18.46	100	Horizontal
3	4924.000	44.32	-10.22	74.00	29.68	200	Horizontal
4	4924.000	34.05	-10.22	54.00	19.95	300	Horizontal
5	7386.000	38.97	-2.06	54.00	15.03	200	Horizontal
6	7386.000	49.66	-2.06	74.00	24.34	100	Horizontal

Final Data List

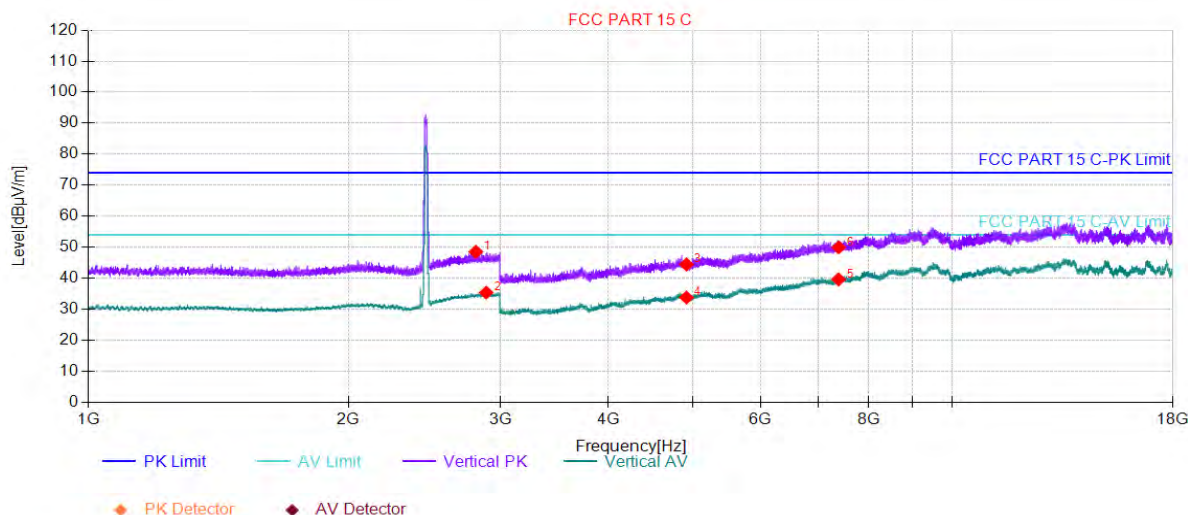


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4.9.2.20 802.11G_Channel 11

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2809.180	48.50	6.75	74.00	25.50	100	Vertical
2	2887.188	35.32	6.92	54.00	18.68	200	Vertical
3	4924.000	44.40	-10.22	74.00	29.60	300	Vertical
4	4924.000	33.74	-10.22	54.00	20.26	400	Vertical
5	7386.000	39.60	-2.06	54.00	14.40	200	Vertical
6	7386.000	49.92	-2.06	74.00	24.08	100	Vertical

Final Data List

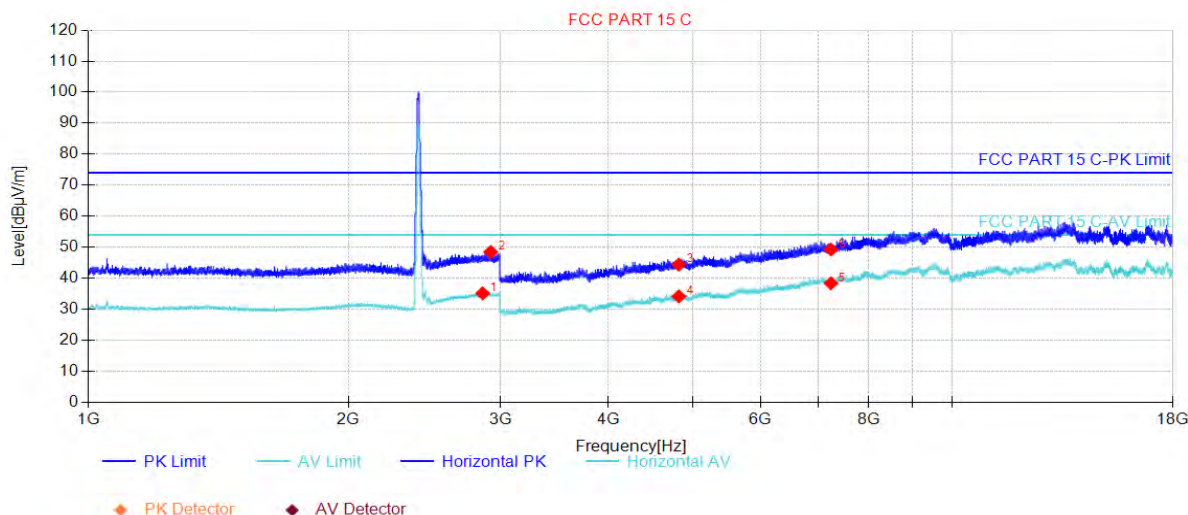


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4.9.2.21 802.11N20_Channel 1

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2859.786	35.10	6.86	54.00	18.90	100	Horizontal
2	2922.992	48.46	7.06	74.00	25.54	100	Horizontal
3	4824.000	44.36	-10.56	74.00	29.64	200	Horizontal
4	4824.000	34.10	-10.56	54.00	19.90	300	Horizontal
5	7236.000	38.35	-2.59	54.00	15.65	200	Horizontal
6	7236.000	49.25	-2.59	74.00	24.75	100	Horizontal

Final Data List



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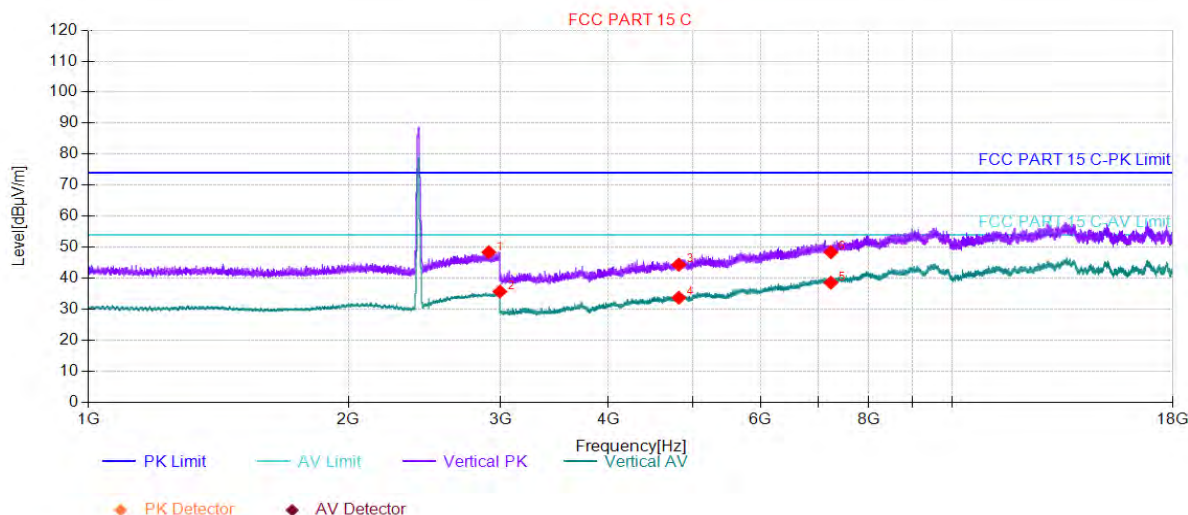
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4.9.2.22 802.11N20_Channel 1

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2907.790	48.37	6.99	74.00	25.63	100	Vertical
2	2994.799	35.68	7.39	54.00	18.32	200	Vertical
3	4824.000	44.32	-10.56	74.00	29.68	300	Vertical
4	4824.000	33.69	-10.56	54.00	20.31	200	Vertical
5	7236.000	38.54	-2.59	54.00	15.46	100	Vertical
6	7236.000	48.39	-2.59	74.00	25.61	100	Vertical

Final Data List

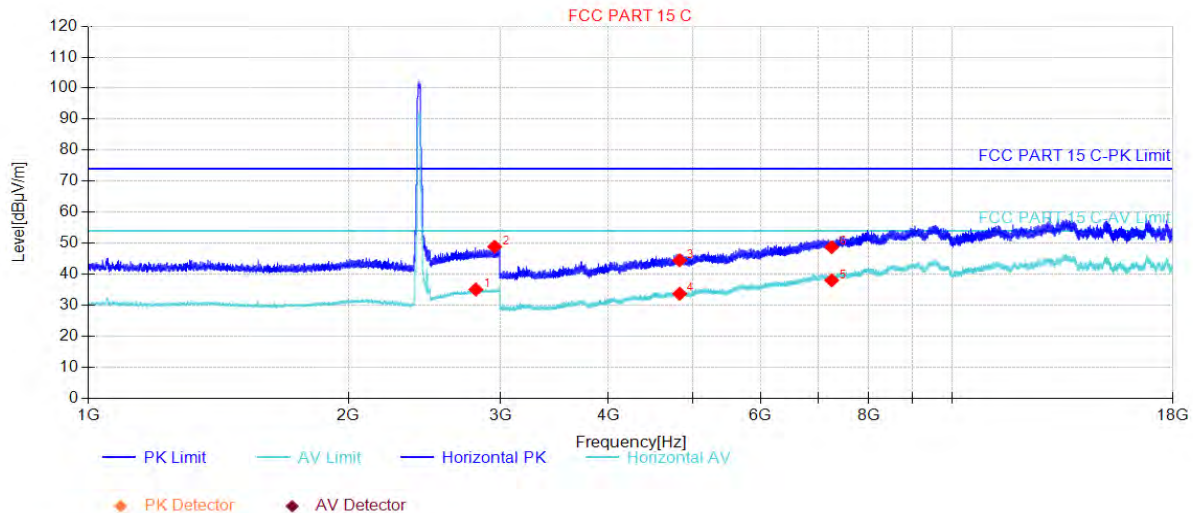


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4.9.2.23 802.11N20_Channel 2

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2808.980	35.04	6.75	54.00	18.96	100	Horizontal
2	2952.795	48.87	7.19	74.00	25.13	200	Horizontal
3	4834.000	44.46	-10.53	74.00	29.54	300	Horizontal
4	4834.000	33.67	-10.53	54.00	20.33	100	Horizontal
5	7251.000	37.99	-2.61	54.00	16.01	200	Horizontal
6	7251.000	48.72	-2.61	74.00	25.28	300	Horizontal

Final Data List

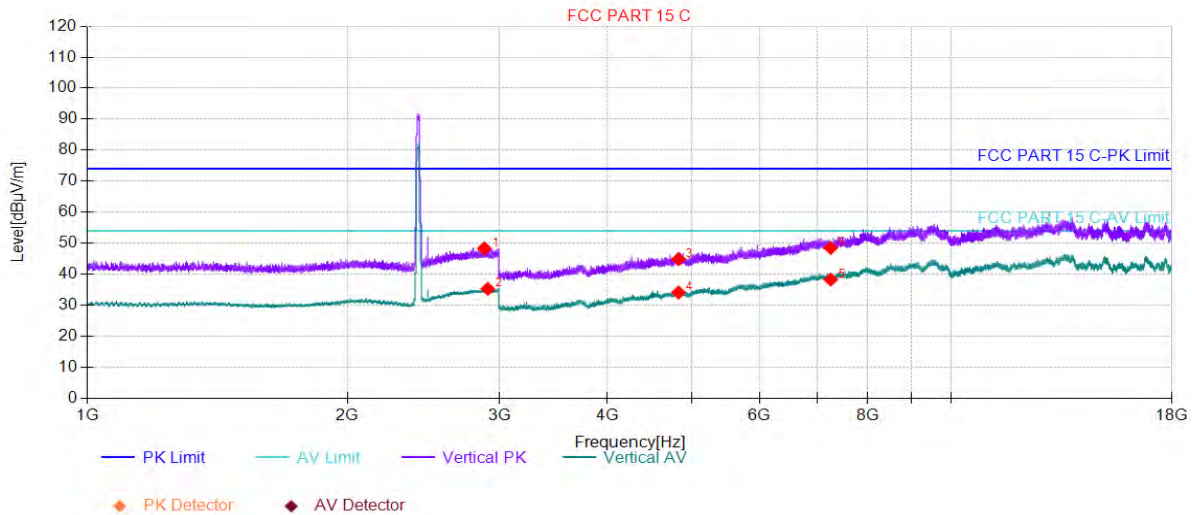


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4.9.2.24 802.11N20_Channel 2

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2880.988	48.32	6.91	74.00	25.68	100	Vertical
2	2907.590	35.23	6.98	54.00	18.77	100	Vertical
3	4834.000	44.84	-10.53	74.00	29.16	200	Vertical
4	4834.000	34.09	-10.53	54.00	19.91	300	Vertical
5	7251.000	38.25	-2.61	54.00	15.75	100	Vertical
6	7251.000	48.48	-2.61	74.00	25.52	200	Vertical

Final Data List



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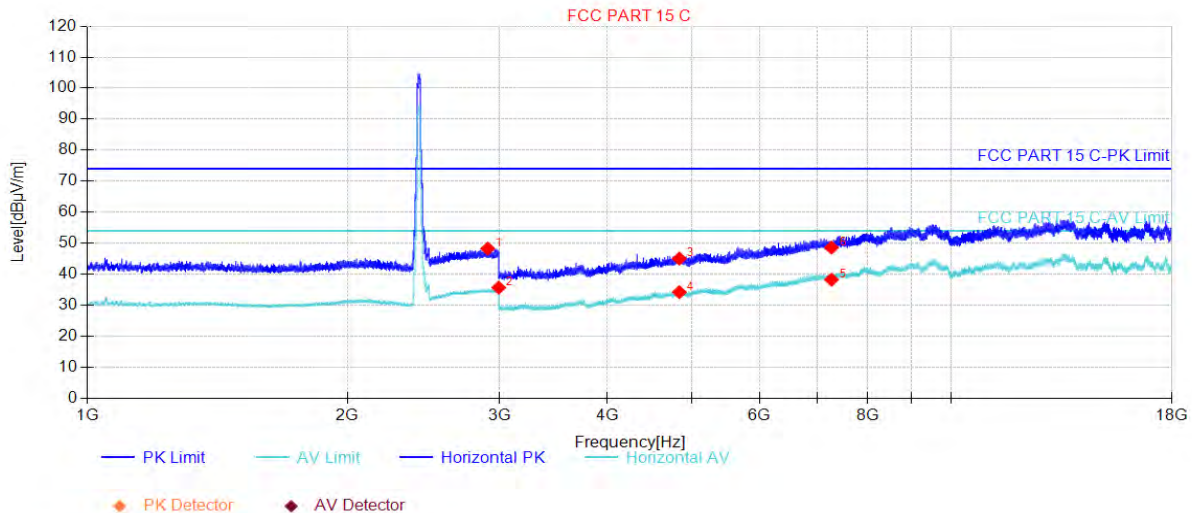
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4.9.2.25 802.11N20_Channel 3

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2906.990	48.23	6.98	74.00	25.77	200	Horizontal
2	2993.399	35.65	7.38	54.00	18.35	100	Horizontal
3	4844.000	45.00	-10.50	74.00	29.00	200	Horizontal
4	4844.000	34.18	-10.50	54.00	19.82	300	Horizontal
5	7266.000	38.23	-2.62	54.00	15.77	100	Horizontal
6	7266.000	48.58	-2.62	74.00	25.42	100	Horizontal

Final Data List



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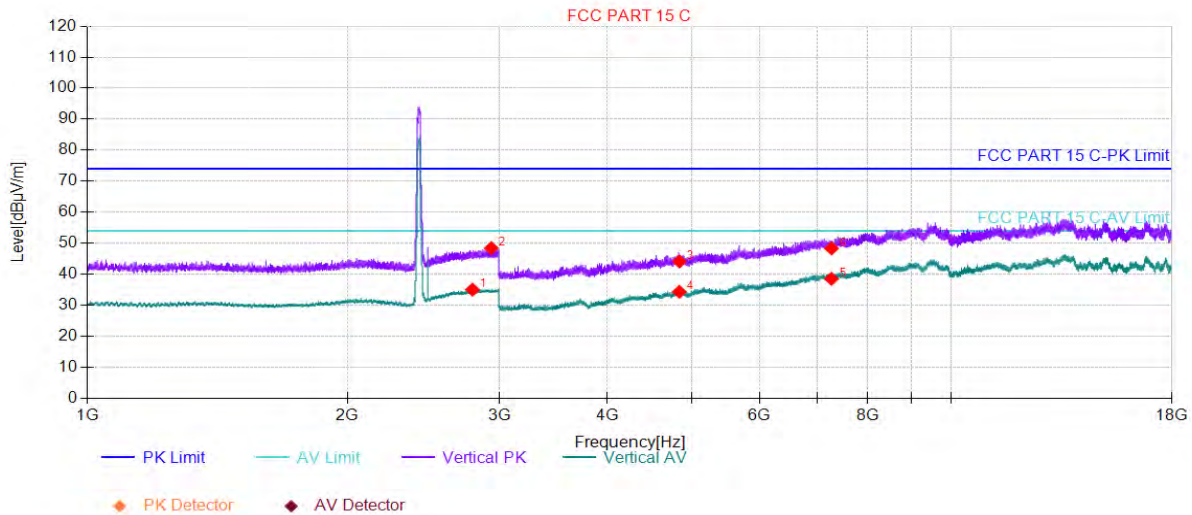
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4.9.2.26 802.11N20_Channel 3

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2791.179	34.99	6.64	54.00	19.01	200	Vertical
2	2934.593	48.39	7.11	74.00	25.61	300	Vertical
3	4844.000	44.08	-10.50	74.00	29.92	100	Vertical
4	4844.000	34.29	-10.50	54.00	19.71	200	Vertical
5	7266.000	38.52	-2.62	54.00	15.48	100	Vertical
6	7266.000	48.35	-2.62	74.00	25.65	200	Vertical

Final Data List



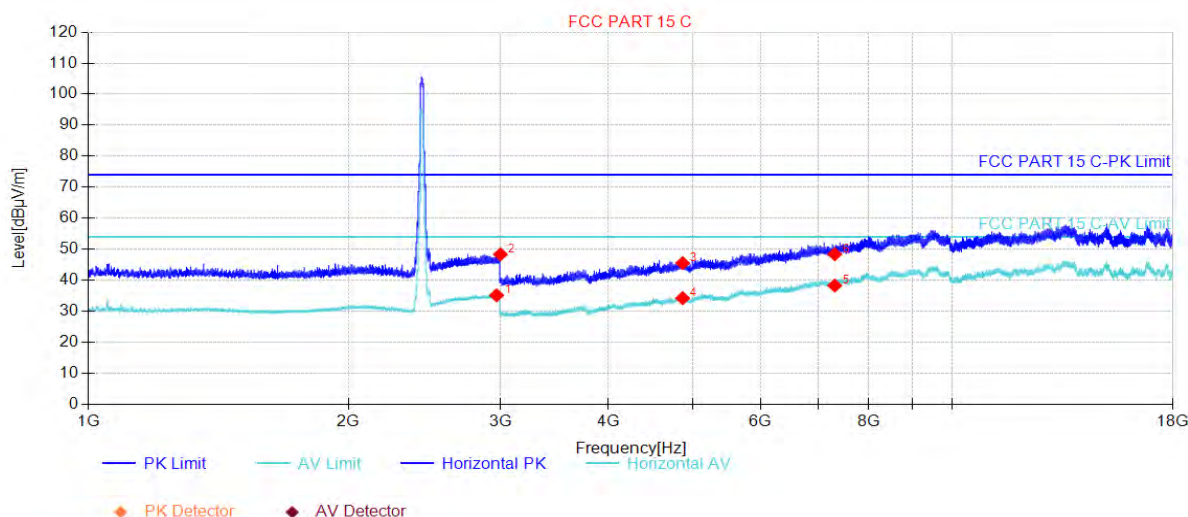
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4.9.2.27 802.11N20_Channel 6

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2968.596	35.11	7.27	54.00	18.89	100	Horizontal
2	2999.199	48.32	7.41	74.00	25.68	200	Horizontal
3	4874.000	45.50	-10.40	74.00	28.50	300	Horizontal
4	4874.000	34.17	-10.40	54.00	19.83	200	Horizontal
5	7311.000	38.26	-2.58	54.00	15.74	100	Horizontal
6	7311.000	48.36	-2.58	74.00	25.64	100	Horizontal

Final Data List



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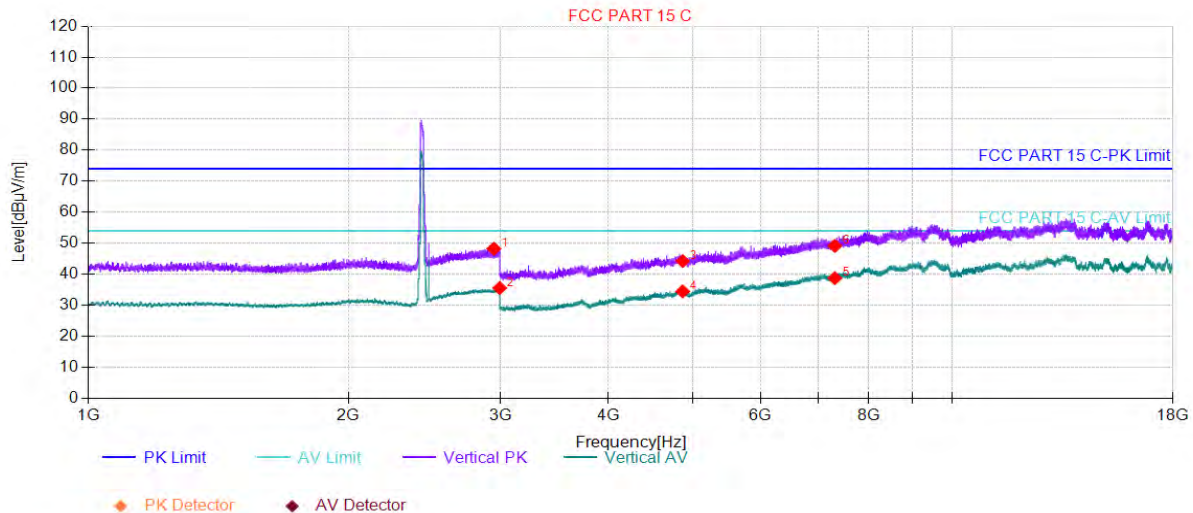
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4.9.2.28 802.11N20_Channel 6

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2946.994	48.23	7.17	74.00	25.77	200	Vertical
2	2992.999	35.51	7.38	54.00	18.49	100	Vertical
3	4874.000	44.21	-10.40	74.00	29.79	100	Vertical
4	4874.000	34.43	-10.40	54.00	19.57	300	Vertical
5	7311.000	38.70	-2.58	54.00	15.30	100	Vertical
6	7311.000	49.12	-2.58	74.00	24.88	200	Vertical

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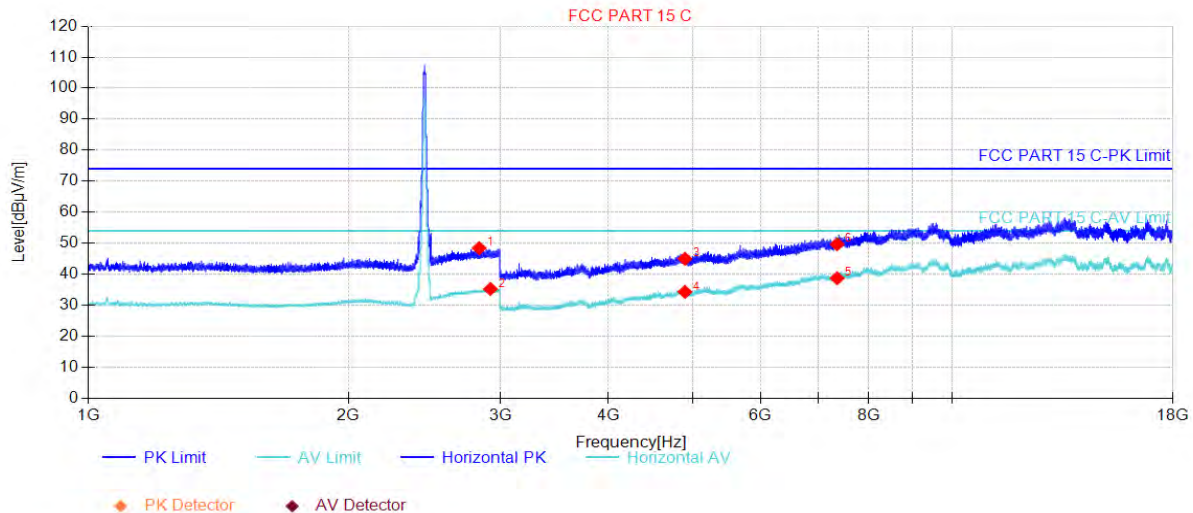
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4.9.2.29 802.11N20_Channel 9

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2834.183	48.40	6.81	74.00	25.60	100	Horizontal
2	2919.792	35.20	7.04	54.00	18.80	200	Horizontal
3	4904.000	44.97	-10.30	74.00	29.03	300	Horizontal
4	4904.000	34.27	-10.30	54.00	19.73	100	Horizontal
5	7356.000	38.68	-2.27	54.00	15.32	200	Horizontal
6	7356.000	49.66	-2.27	74.00	24.34	100	Horizontal

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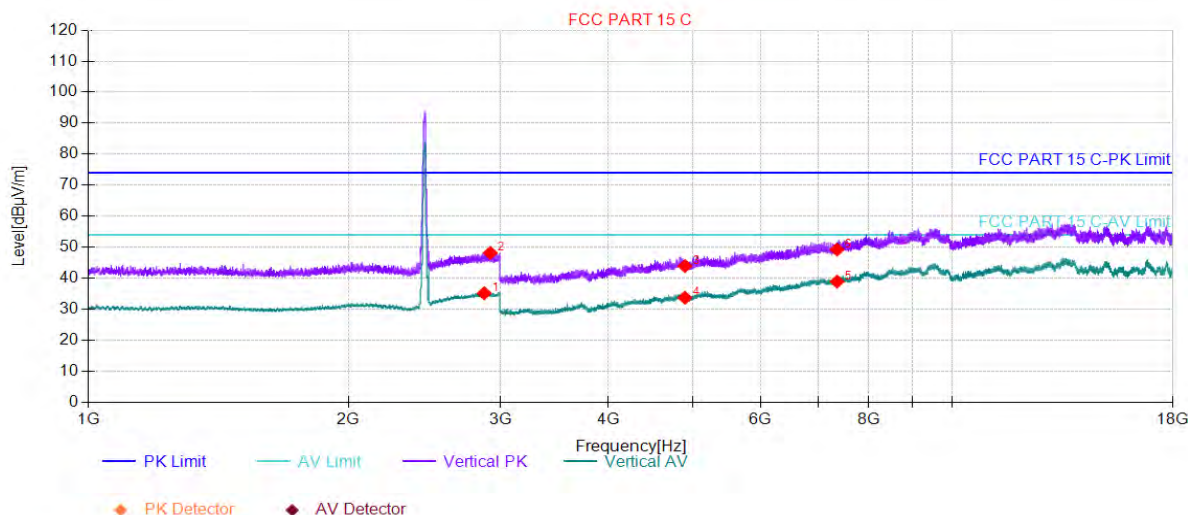
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4.9.2.30 802.11N20_Channel 9

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2872.387	35.14	6.89	54.00	18.86	100	Vertical
2	2919.191	48.15	7.04	74.00	25.85	200	Vertical
3	4904.000	43.90	-10.30	74.00	30.10	100	Vertical
4	4904.000	33.68	-10.30	54.00	20.32	300	Vertical
5	7356.000	38.88	-2.27	54.00	15.12	100	Vertical
6	7356.000	49.21	-2.27	74.00	24.79	100	Vertical

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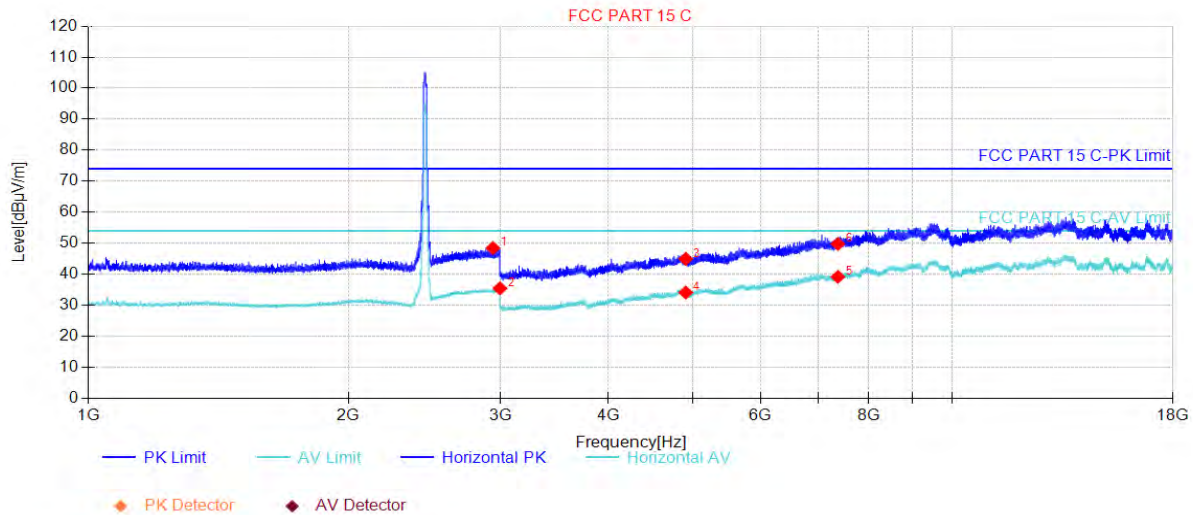
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4.9.2.31 802.11N20_Channel 10

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2939.594	48.41	7.13	74.00	25.59	100	Horizontal
2	2994.599	35.41	7.39	54.00	18.59	200	Horizontal
3	4914.000	44.92	-10.26	74.00	29.08	300	Horizontal
4	4914.000	34.07	-10.26	54.00	19.93	100	Horizontal
5	7371.000	39.13	-2.16	54.00	14.87	100	Horizontal
6	7371.000	49.76	-2.16	74.00	24.24	200	Horizontal

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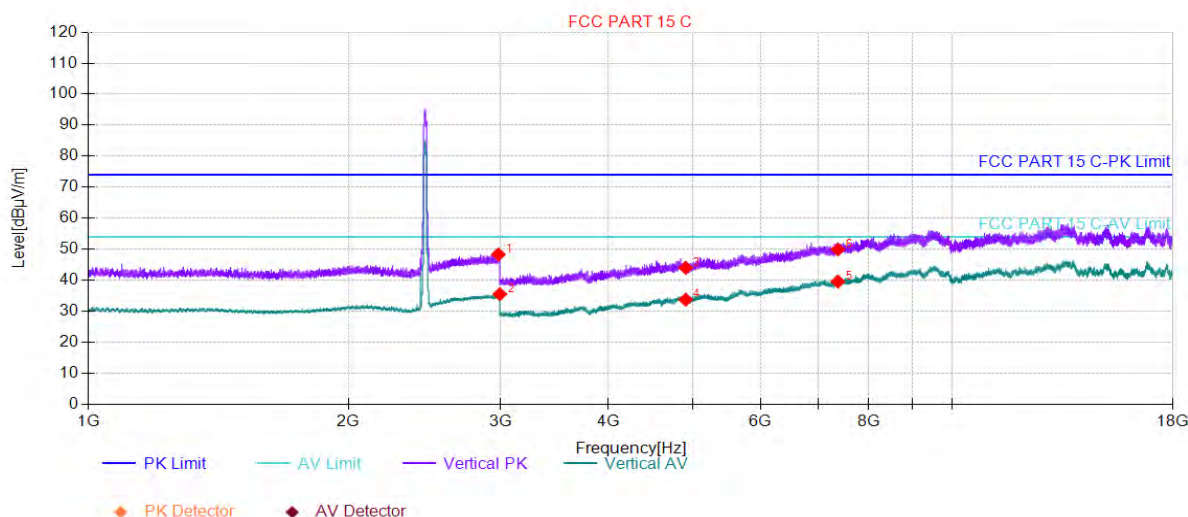
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4.9.2.32 802.11N20_Channel 10

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2982.398	48.31	7.33	74.00	25.69	100	Vertical
2	2994.199	35.48	7.38	54.00	18.52	200	Vertical
3	4914.000	43.97	-10.26	74.00	30.03	300	Vertical
4	4914.000	33.72	-10.26	54.00	20.28	100	Vertical
5	7371.000	39.54	-2.16	54.00	14.46	200	Vertical
6	7371.000	49.92	-2.16	74.00	24.08	100	Vertical

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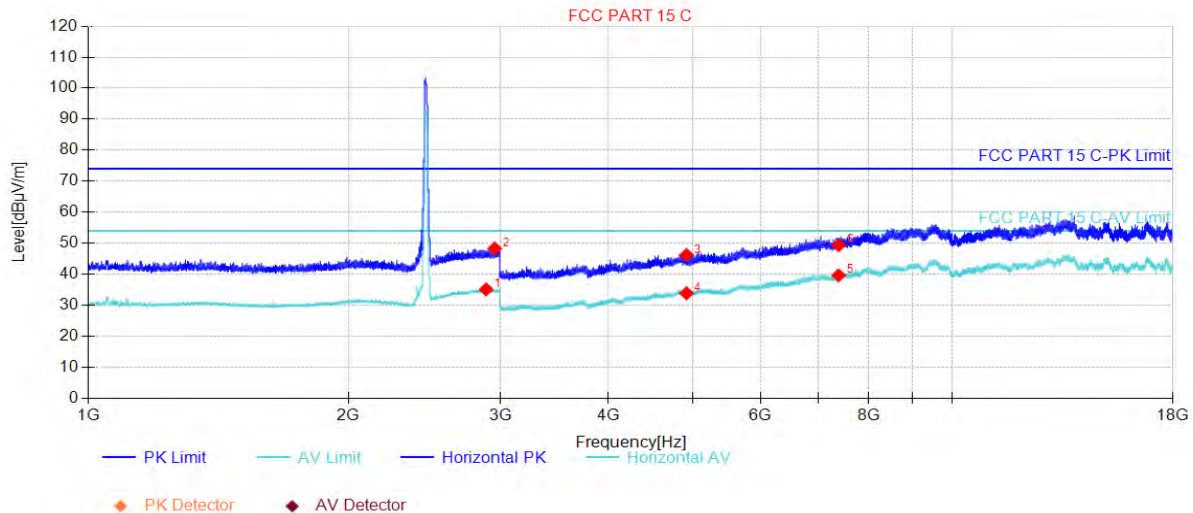
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4.9.2.33 802.11N20_Channel 11

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2886.988	35.08	6.92	54.00	18.92	100	Horizontal
2	2953.195	48.27	7.19	74.00	25.73	200	Horizontal
3	4924.000	46.16	-10.22	74.00	27.84	100	Horizontal
4	4924.000	33.84	-10.22	54.00	20.16	300	Horizontal
5	7386.000	39.61	-2.06	54.00	14.39	100	Horizontal
6	7386.000	49.36	-2.06	74.00	24.64	100	Horizontal

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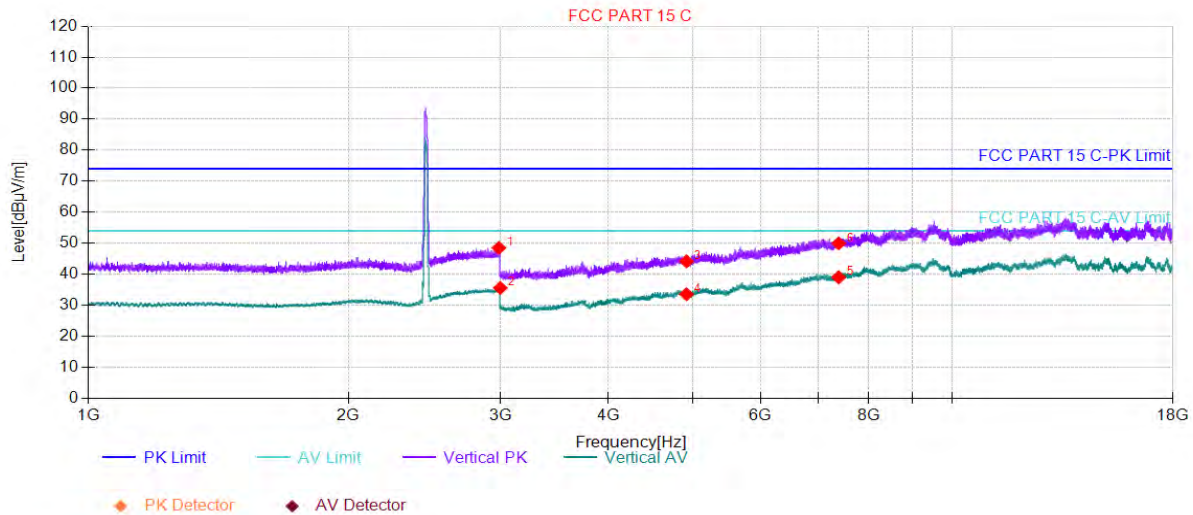
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4.9.2.34 802.11N20_Channel 11

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2986.398	48.48	7.35	74.00	25.52	100	Vertical
2	2997.799	35.55	7.40	54.00	18.45	200	Vertical
3	4924.000	44.12	-10.22	74.00	29.88	100	Vertical
4	4924.000	33.51	-10.22	54.00	20.49	100	Vertical
5	7386.000	38.99	-2.06	54.00	15.01	300	Vertical
6	7386.000	49.93	-2.06	74.00	24.07	100	Vertical

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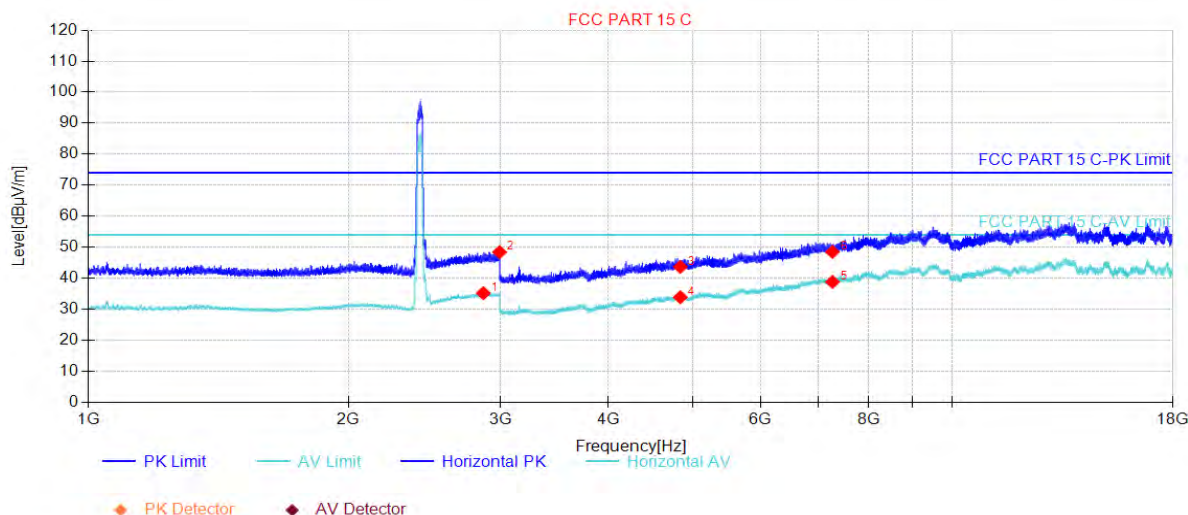
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4.9.2.35 802.11N40_Channel 3

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2865.386	35.16	6.87	54.00	18.84	100	Horizontal
2	2992.199	48.40	7.37	74.00	25.60	100	Horizontal
3	4844.000	43.64	-10.50	74.00	30.36	200	Horizontal
4	4844.000	33.85	-10.50	54.00	20.15	300	Horizontal
5	7266.000	38.78	-2.62	54.00	15.22	200	Horizontal
6	7266.000	48.47	-2.62	74.00	25.53	100	Horizontal

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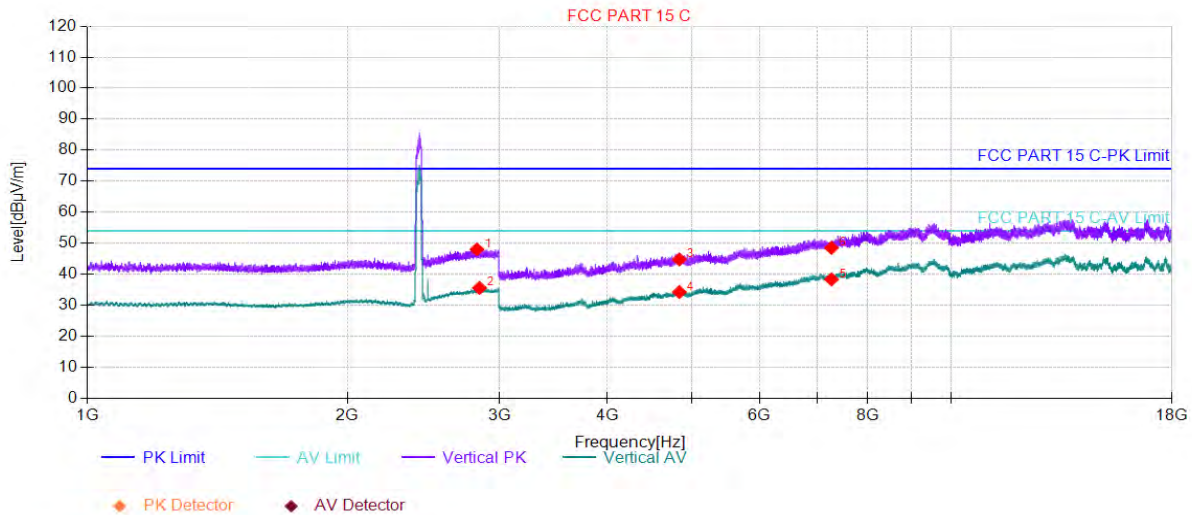
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4.9.2.36 802.11N40_Channel 3

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2824.582	48.01	6.78	74.00	25.99	100	Vertical
2	2843.784	35.55	6.83	54.00	18.45	100	Vertical
3	4844.000	44.74	-10.50	74.00	29.26	200	Vertical
4	4844.000	34.19	-10.50	54.00	19.81	300	Vertical
5	7266.000	38.31	-2.62	54.00	15.69	200	Vertical
6	7266.000	48.49	-2.62	74.00	25.51	100	Vertical

Final Data List



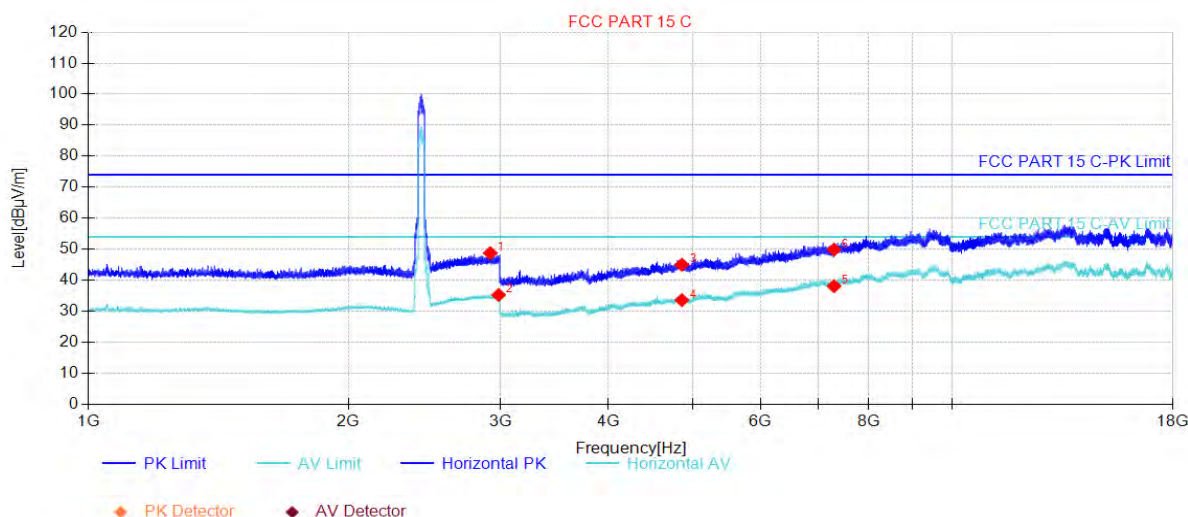
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4.9.2.37 802.11N40_Channel 5

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2918.991	48.72	7.04	74.00	25.28	100	Horizontal
2	2983.998	35.23	7.34	54.00	18.77	200	Horizontal
3	4864.000	44.98	-10.43	74.00	29.02	300	Horizontal
4	4864.000	33.56	-10.43	54.00	20.44	200	Horizontal
5	7296.000	38.09	-2.65	54.00	15.91	300	Horizontal
6	7296.000	49.88	-2.65	74.00	24.12	100	Horizontal

Final Data List

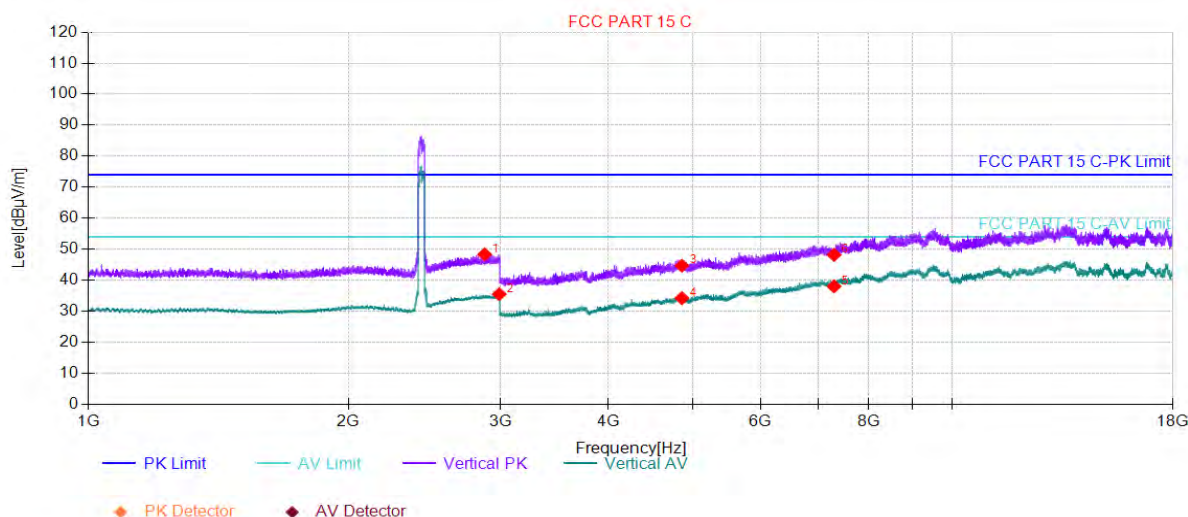


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4.9.2.38 802.11N40_Channel 5

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2875.387	48.31	6.90	74.00	25.69	100	Vertical
2	2989.198	35.47	7.36	54.00	18.53	200	Vertical
3	4864.000	44.68	-10.43	74.00	29.32	300	Vertical
4	4864.000	34.16	-10.43	54.00	19.84	100	Vertical
5	7296.000	38.00	-2.65	54.00	16.00	100	Vertical
6	7296.000	48.18	-2.65	74.00	25.82	200	Vertical

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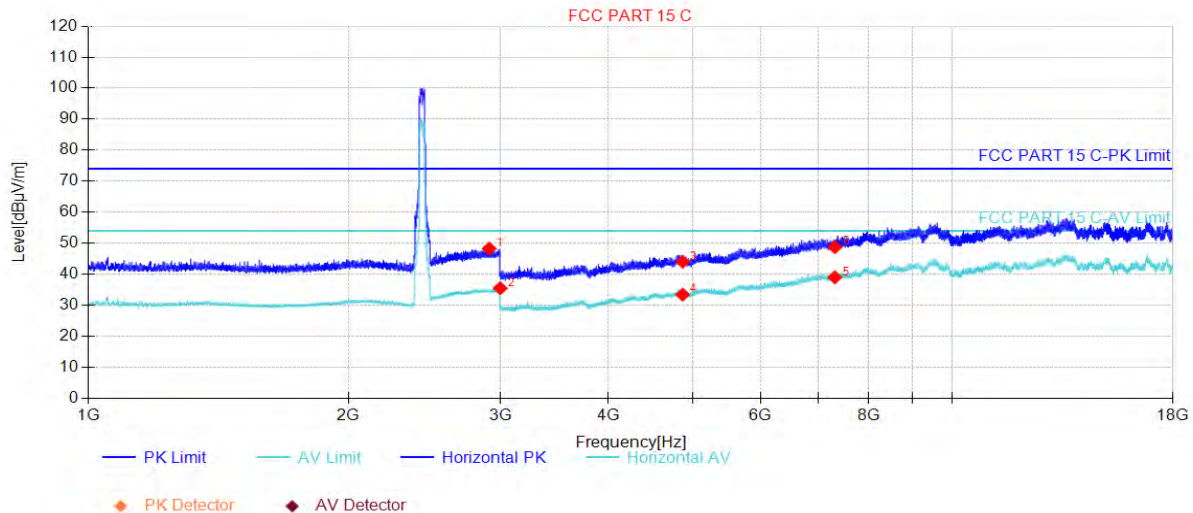
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4.9.2.39 802.11N40_Channel 6

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2910.791	48.25	7.00	74.00	25.75	100	Horizontal
2	2997.599	35.45	7.40	54.00	18.55	100	Horizontal
3	4874.000	43.98	-10.40	74.00	30.02	200	Horizontal
4	4874.000	33.40	-10.40	54.00	20.60	300	Horizontal
5	7311.000	38.98	-2.58	54.00	15.02	100	Horizontal
6	7311.000	48.74	-2.58	74.00	25.26	200	Horizontal

Final Data List

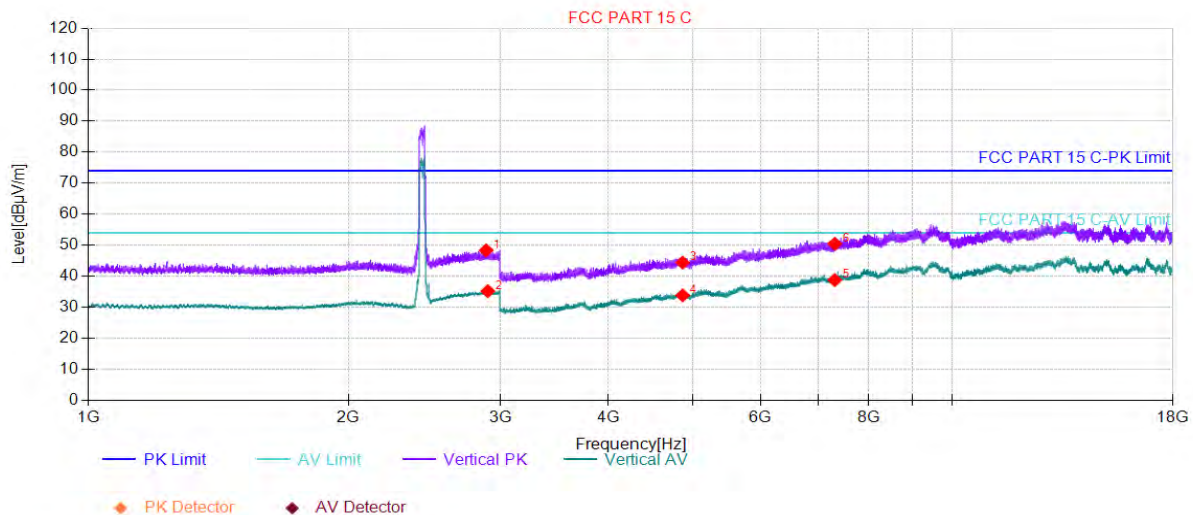


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4.9.2.40 802.11N40_Channel 6

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2886.788	48.34	6.92	74.00	25.66	200	Vertical
2	2899.990	35.16	6.95	54.00	18.84	200	Vertical
3	4874.000	44.36	-10.40	74.00	29.64	300	Vertical
4	4874.000	33.79	-10.40	54.00	20.21	400	Vertical
5	7311.000	38.73	-2.58	54.00	15.27	100	Vertical
6	7311.000	50.46	-2.58	74.00	23.54	200	Vertical

Final Data List

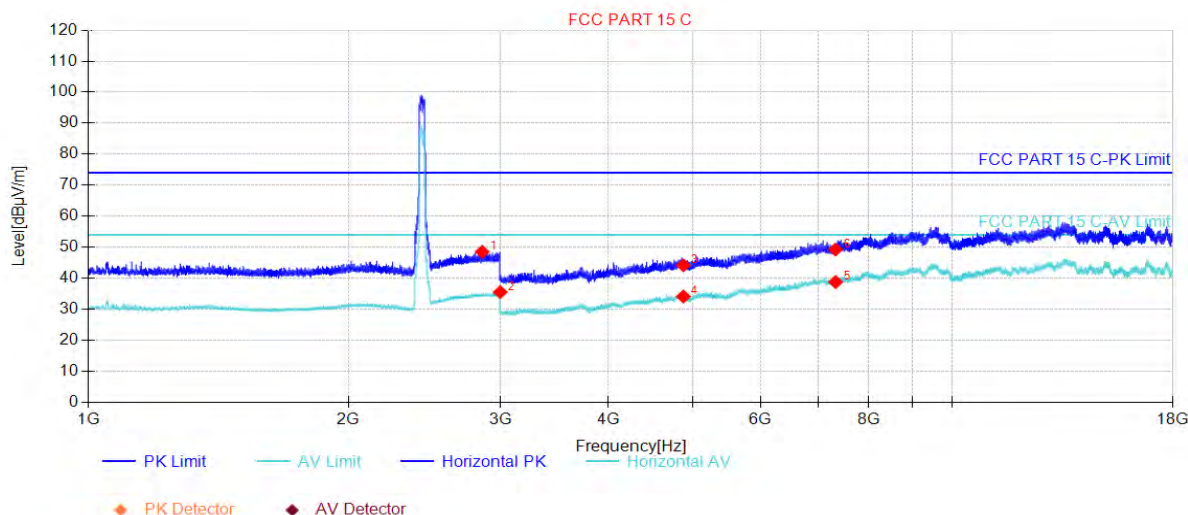


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4.9.2.41 802.11N40_Channel 7

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2856.585	48.49	6.85	74.00	25.51	100	Horizontal
2	2997.399	35.49	7.40	54.00	18.51	100	Horizontal
3	4884.000	44.14	-10.37	74.00	29.86	200	Horizontal
4	4884.000	34.07	-10.37	54.00	19.93	300	Horizontal
5	7326.000	38.75	-2.47	54.00	15.25	100	Horizontal
6	7326.000	49.25	-2.47	74.00	24.75	200	Horizontal

Final Data List

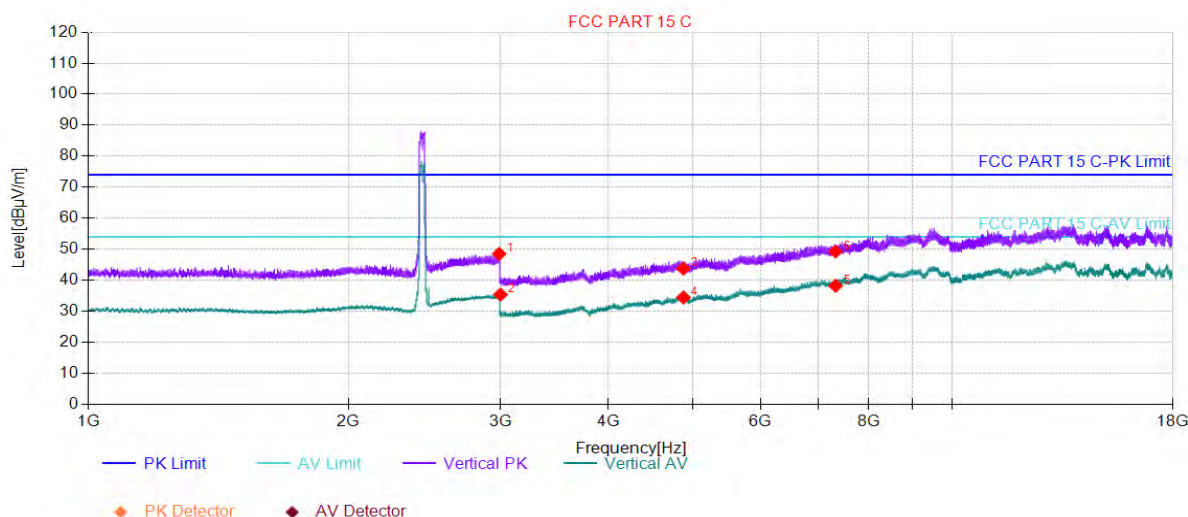


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4.9.2.42 802.11N40_Channel 7

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2988.998	48.49	7.36	74.00	25.51	100	Vertical
2	2998.599	35.34	7.40	54.00	18.66	200	Vertical
3	4884.000	43.74	-10.37	74.00	30.26	300	Vertical
4	4884.000	34.41	-10.37	54.00	19.59	400	Vertical
5	7326.000	38.20	-2.47	54.00	15.80	100	Vertical
6	7326.000	49.25	-2.47	74.00	24.75	200	Vertical

Final Data List



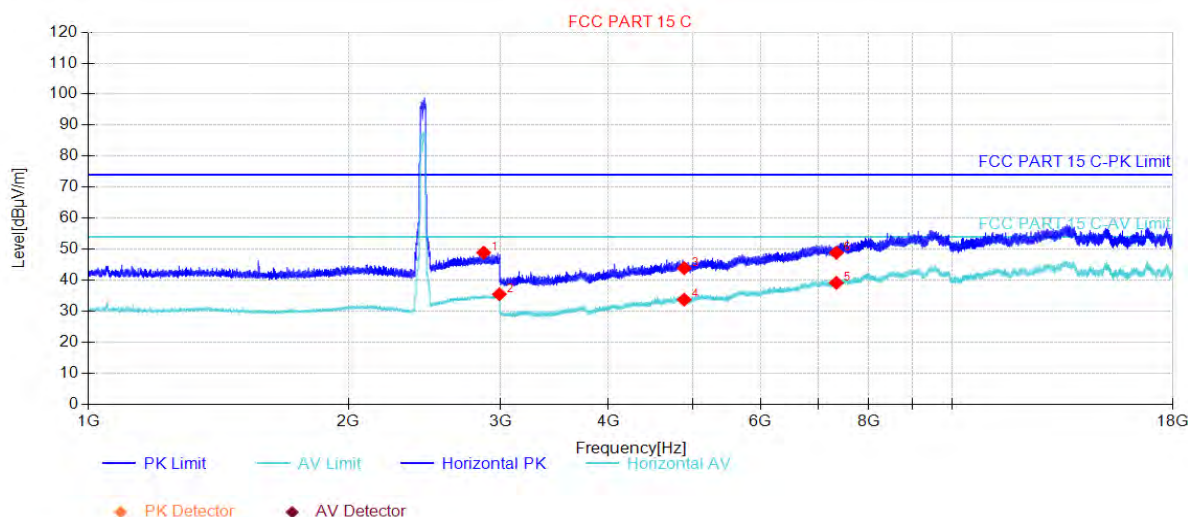
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4.9.2.43 802.11N40_Channel 8

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2867.786	48.90	6.88	74.00	25.10	100	Horizontal
2	2990.599	35.46	7.37	54.00	18.54	200	Horizontal
3	4894.000	43.86	-10.34	74.00	30.14	300	Horizontal
4	4894.000	33.71	-10.34	54.00	20.29	400	Horizontal
5	7341.000	39.11	-2.37	54.00	14.89	100	Horizontal
6	7341.000	48.84	-2.37	74.00	25.16	100	Horizontal

Final Data List

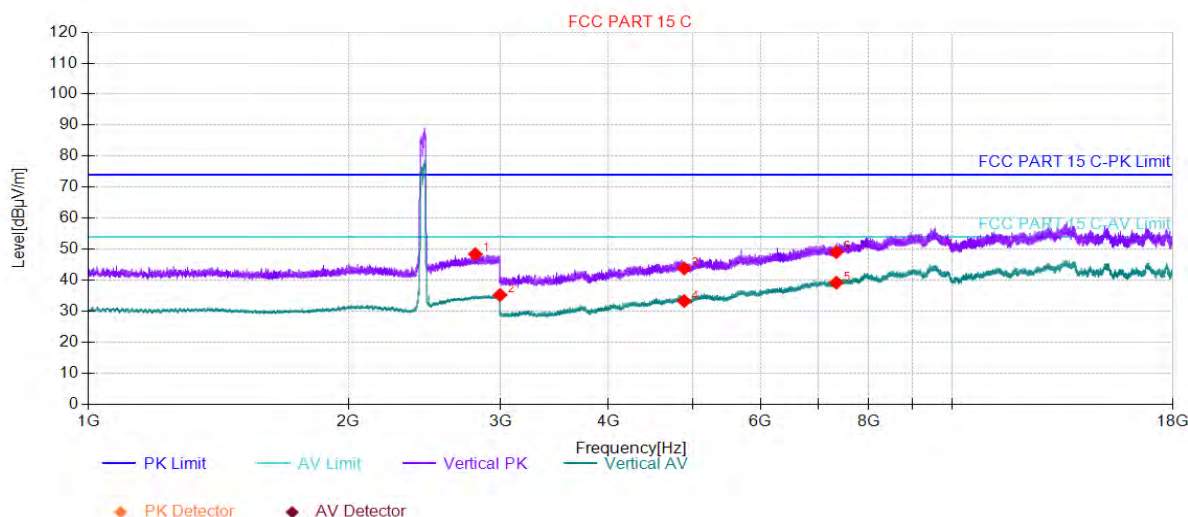


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4.9.2.44 802.11N40_Channel 8

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2804.980	48.39	6.74	74.00	25.61	100	Vertical
2	2995.399	35.24	7.39	54.00	18.76	200	Vertical
3	4894.000	43.79	-10.34	74.00	30.21	300	Vertical
4	4894.000	33.26	-10.34	54.00	20.74	100	Vertical
5	7341.000	39.15	-2.37	54.00	14.85	100	Vertical
6	7341.000	49.05	-2.37	74.00	24.95	200	Vertical

Final Data List



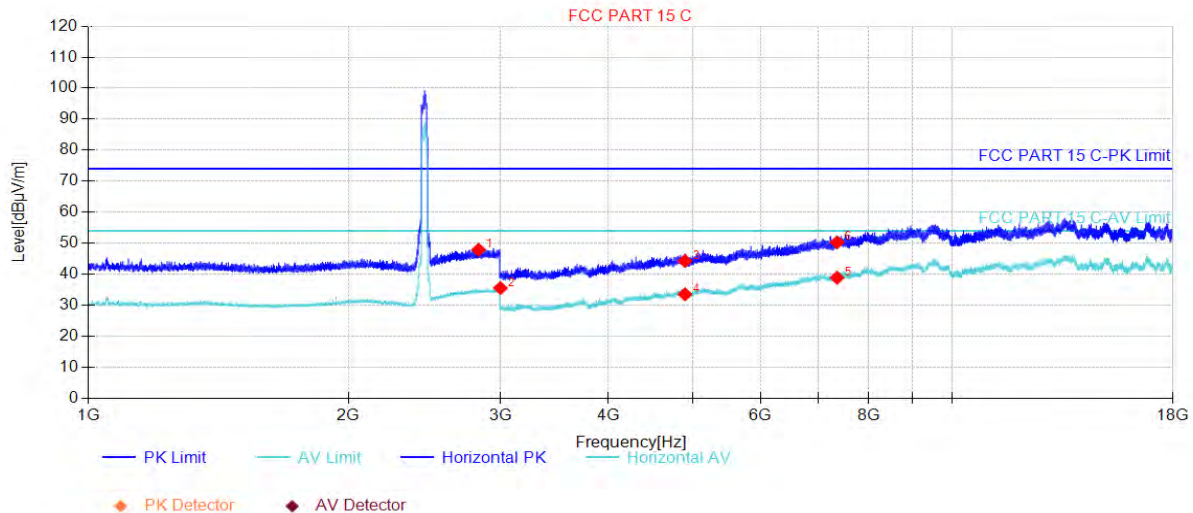
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4.9.2.45 802.11N40_Channel 9

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2829.783	47.87	6.80	74.00	26.13	200	Horizontal
2	2998.799	35.52	7.40	54.00	18.48	100	Horizontal
3	4904.000	44.25	-10.30	74.00	29.75	100	Horizontal
4	4904.000	33.50	-10.30	54.00	20.50	200	Horizontal
5	7356.000	38.83	-2.27	54.00	15.17	100	Horizontal
6	7356.000	50.28	-2.27	74.00	23.72	100	Horizontal

Final Data List



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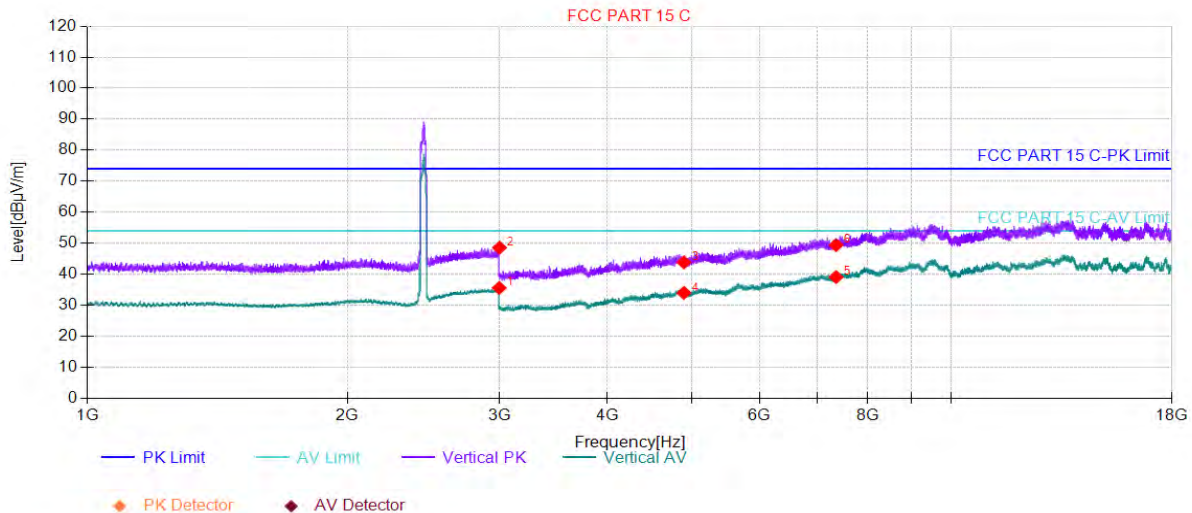
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4.9.2.46 802.11N40_Channel 9

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
1	2997.199	35.56	7.40	54.00	18.44	300	Vertical
2	2999.600	48.55	7.41	74.00	25.45	100	Vertical
3	4904.000	43.81	-10.30	74.00	30.19	100	Vertical
4	4904.000	33.94	-10.30	54.00	20.06	200	Vertical
5	7356.000	39.06	-2.27	54.00	14.94	300	Vertical
6	7356.000	49.36	-2.27	74.00	24.64	100	Vertical

Final Data List

Remark:

- The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor
- Scan from 9kHz to 25GHz, the disturbance between 9KHz to 30MHz and 18GHz to 25GHz was very low, and the above harmonics were the highest point could be found when testing, The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
- As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. So, only the peak measurements were shown in the report.
- All Modes have been tested, but only the worst case data displayed in this report.



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4.10 Restricted bands around fundamental frequency

Test Requirement:	47 CFR Part 15C Section 15.209 and 15.205		
Test Method:	ANSI C63.10: 2013 Section 11.12		
Test Site:	Measurement Distance: 3m or 10m (Semi-Anechoic Chamber)		
Limit:	Frequency	Limit (dBuV/m)	Remark
	30MHz-88MHz	40.0	Quasi-peak
	88MHz-216MHz	43.5	Quasi-peak
	216MHz-960MHz	46.0	Quasi-peak
	960MHz-1GHz	54.0	Quasi-peak
	Above 1GHz	54.0	Average Value
		74.0	Peak Value
Test Setup:			

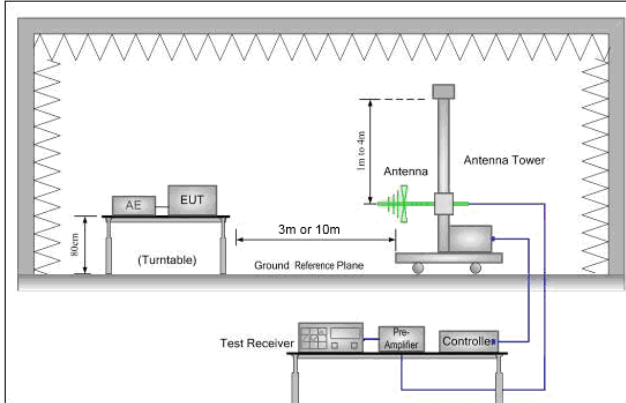


Figure 1. 30MHz to 1GHz

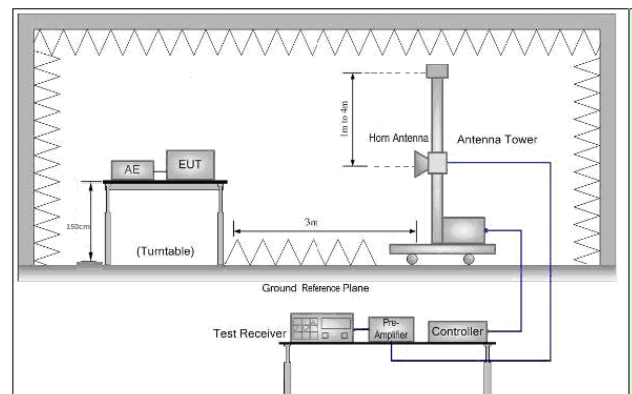


Figure 2. Above 1 GHz

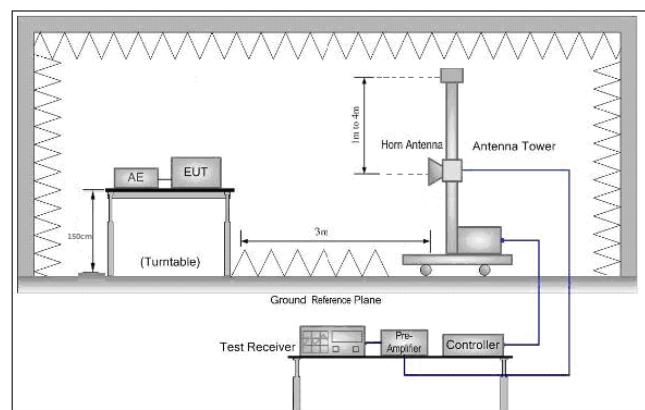


Figure 3. Above 1 GHz

Test Procedure:	a. For below 1GHz, 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. b. For above 1GHz, 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. c. 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. d. 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. e. 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. f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. g. Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel h. Test the EUT in the lowest channel , the Highest channel i. 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. j. Repeat above procedures until all frequencies measured was complete.
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates. Charge + Transmitting mode.
Test Configuration:	Measurements Below 1000MHz • RBW = 120 kHz • VBW = 300 kHz • 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.



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Report No.: HR/2021/1001404

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Final Test Mode:	Pretest the EUT at Charge + Transmitting mode. Through Pre-scan, find the 1Mbps of rate is the worst case of 802.11B; 6Mbps of rate is the worst case of 802.11G; 6.5Mbps of rate is the worst case of 802.11N(HT20); 13.5Mbps of rate is the worst case of 802.11N(HT40); Only the worst case is recorded in the report.
Instruments Used:	Refer to section 6 for details
Test Results:	Pass
Remark:	The Emission Test data were reused from the report no:XHR/2021/1001401



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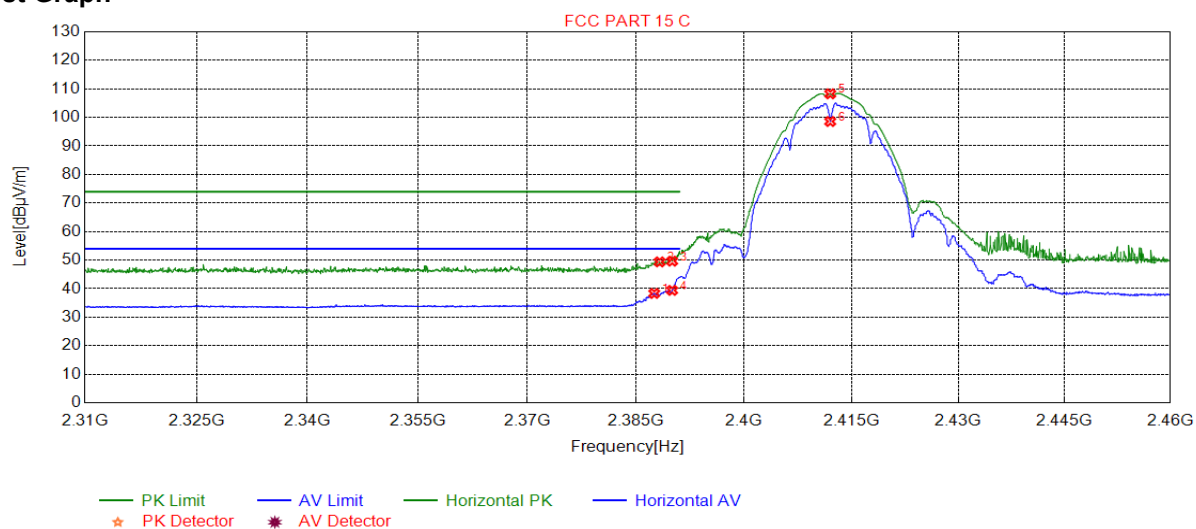
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4.10.1 Test Plots

4.10.1.1 802.11B_Channel 1

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2387.51	38.34	7.91	54.00	15.66	100	298	Horizontal
2	2388.26	49.39	7.93	74.00	24.61	200	211	Horizontal
3	2390.00	49.65	7.98	74.00	24.35	200	313	Horizontal
4	2390.00	39.42	7.98	54.00	14.58	300	298	Horizontal
5	2412.00	108.27	8.16	0.00	-108.27	100	294	Horizontal
6	2412.00	98.58	8.16	0.00	-98.58	200	294	Horizontal

Final Data List



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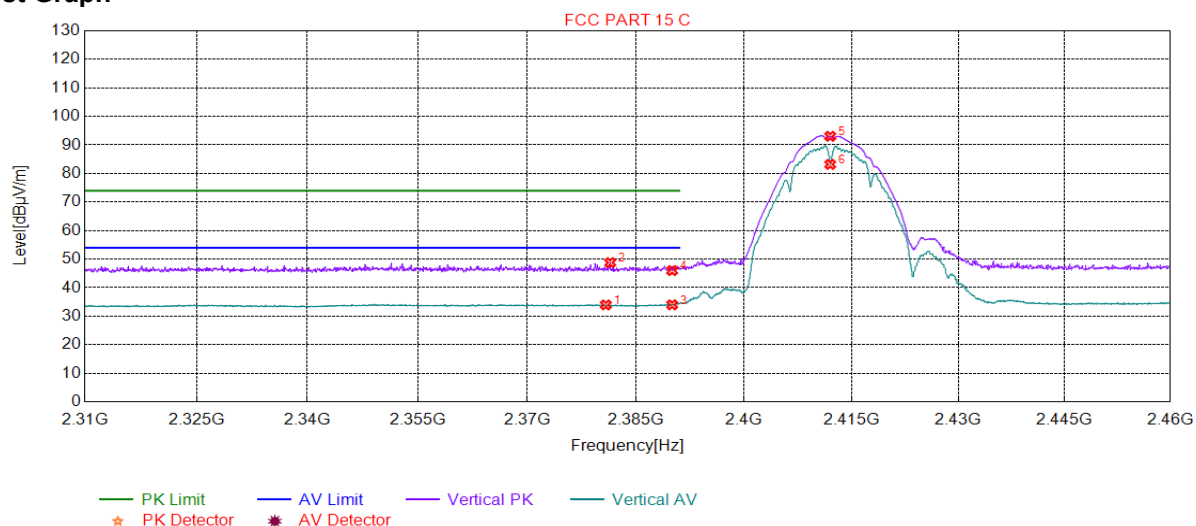
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4.10.1.2 802.11B_Channel 1

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2380.83	33.97	7.97	54.00	20.03	200	359	Vertical
2	2381.43	48.79	7.95	74.00	25.21	300	32	Vertical
3	2390.00	34.01	7.98	54.00	19.99	100	255	Vertical
4	2390.00	46.01	7.98	74.00	27.99	200	74	Vertical
5	2412.00	93.04	8.16	0.00	-93.04	100	180	Vertical
6	2412.00	83.20	8.16	0.00	-83.20	100	187	Vertical

Final Data List



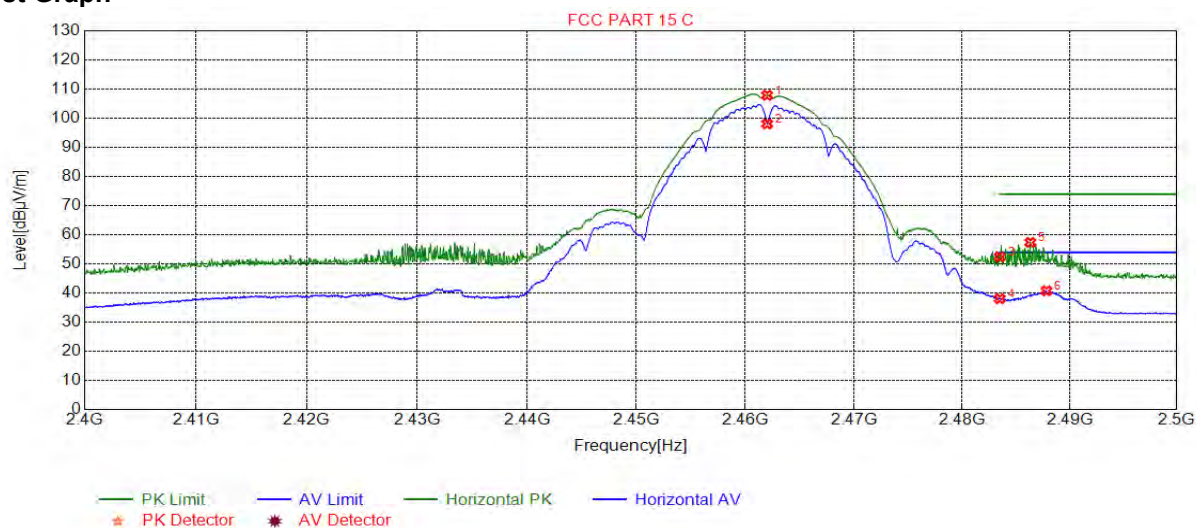
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4.10.1.3 802.11B_Channel 11

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2462.00	107.87	8.75	0.00	-107.87	100	298	Horizontal
2	2462.00	98.07	8.75	0.00	-98.07	100	298	Horizontal
3	2483.50	52.46	8.50	74.00	21.54	200	238	Horizontal
4	2483.50	38.10	8.50	54.00	15.90	300	298	Horizontal
5	2486.34	57.42	8.52	74.00	16.58	100	290	Horizontal
6	2487.84	40.81	8.56	54.00	13.19	100	298	Horizontal

Final Data List

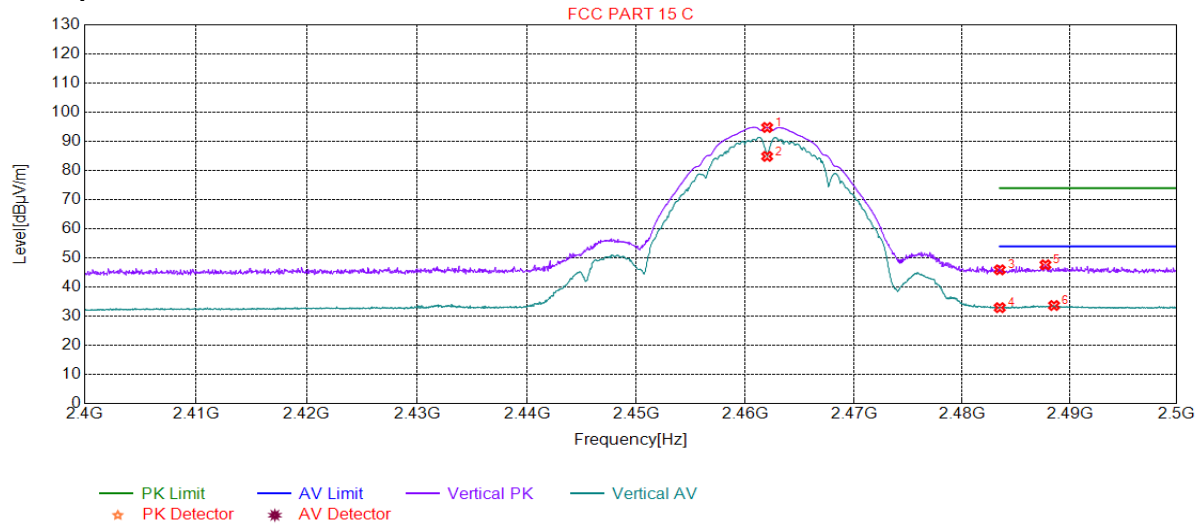


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4.10.1.4 802.11B_Channel 11

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2462.00	94.78	8.75	0.00	-94.78	100	208	Vertical
2	2462.00	84.86	8.75	0.00	-84.86	300	208	Vertical
3	2483.50	45.95	8.50	74.00	28.05	100	85	Vertical
4	2483.50	32.97	8.50	54.00	21.03	300	295	Vertical
5	2487.74	47.67	8.56	74.00	26.33	200	224	Vertical
6	2488.54	33.72	8.58	54.00	20.28	100	85	Vertical

Final Data List



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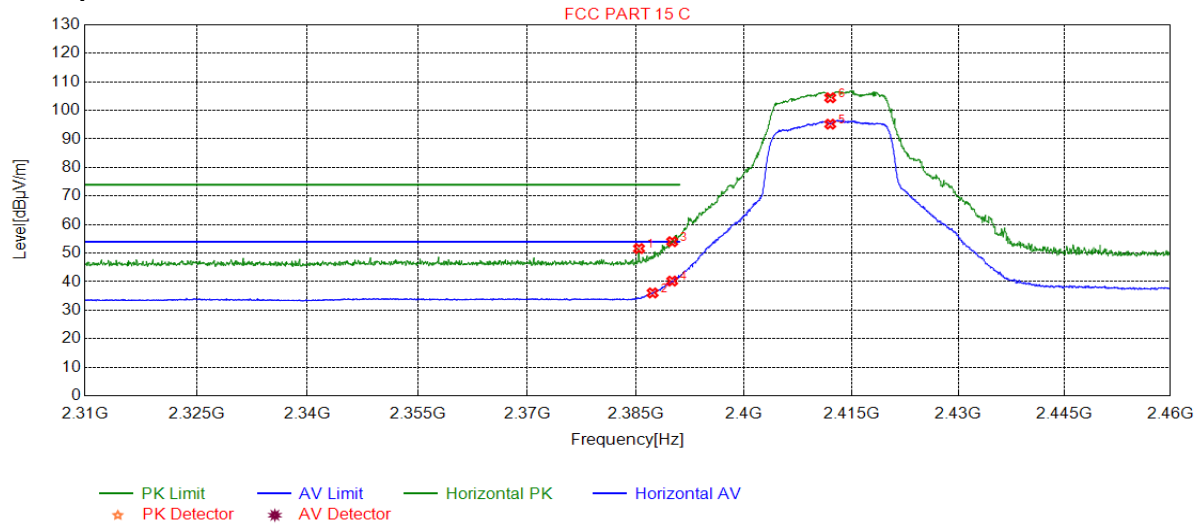
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4.10.1.5 802.11G_Channel 1

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2385.41	51.60	7.84	74.00	22.40	100	1	Horizontal
2	2387.28	36.06	7.90	54.00	17.94	200	298	Horizontal
3	2390.00	54.02	7.98	74.00	19.98	300	230	Horizontal
4	2390.00	40.23	7.98	54.00	13.77	100	309	Horizontal
5	2412.00	95.19	8.16	0.00	-95.19	200	302	Horizontal
6	2412.00	104.43	8.16	0.00	-104.43	300	298	Horizontal

Final Data List

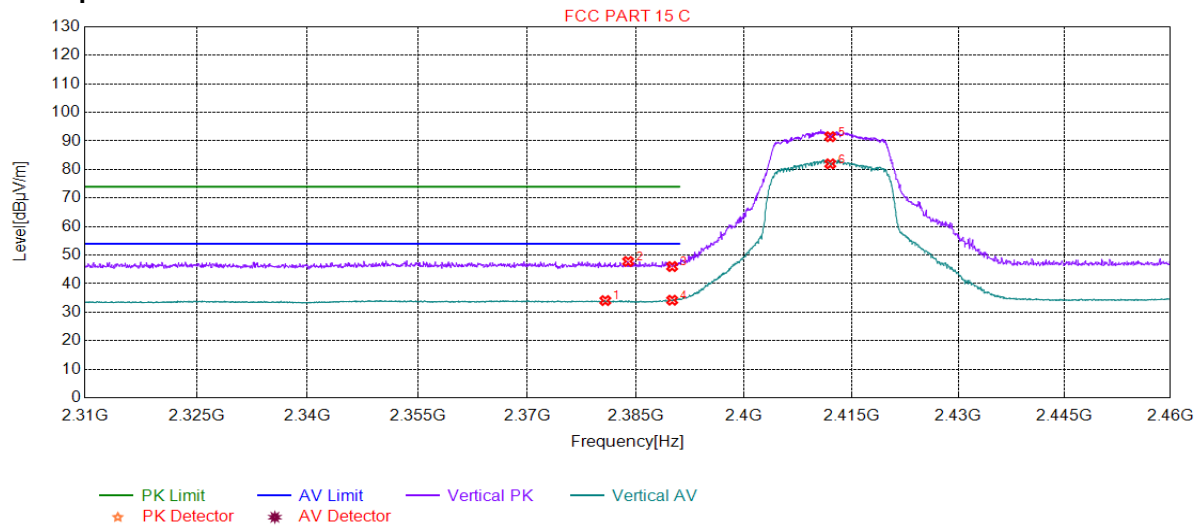


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4.10.1.6 802.11G_Channel 1

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2380.76	34.09	7.97	54.00	19.91	100	360	Vertical
2	2383.91	47.80	7.87	74.00	26.20	100	265	Vertical
3	2390.00	46.01	7.98	74.00	27.99	200	168	Vertical
4	2390.00	34.21	7.98	54.00	19.79	100	190	Vertical
5	2412.00	91.50	8.16	0.00	-91.50	200	205	Vertical
6	2412.00	81.99	8.16	0.00	-81.99	300	205	Vertical

Final Data List

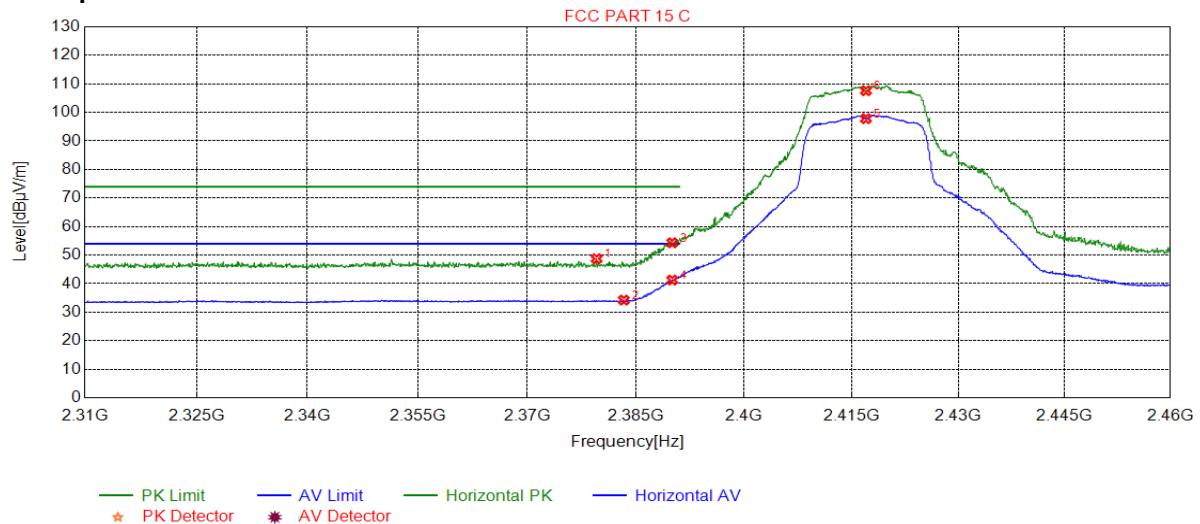


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4.10.1.7 802.11G_Channel 2

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2379.55	48.75	7.99	74.00	25.25	100	87	Horizontal
2	2383.31	34.26	7.89	54.00	19.74	100	346	Horizontal
3	2390.00	54.33	7.98	74.00	19.67	300	312	Horizontal
4	2390.00	41.28	7.98	54.00	12.72	200	301	Horizontal
5	2417.00	97.81	8.29	0.00	-97.81	100	305	Horizontal
6	2417.00	107.61	8.29	0.00	-107.61	200	297	Horizontal

Final Data List



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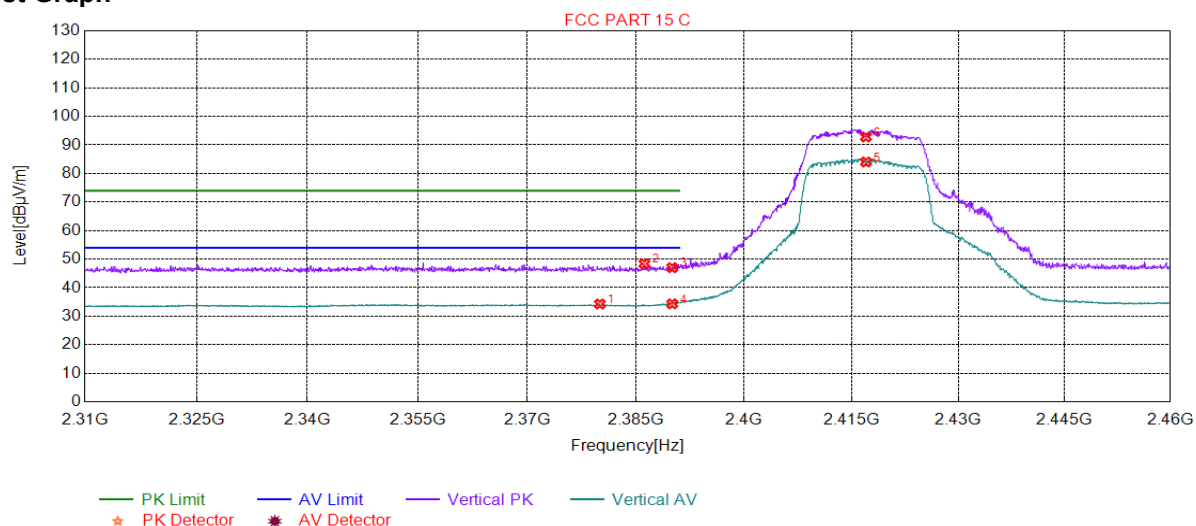
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4.10.1.8 802.11G_Channel 2

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2380.01	34.30	8.00	54.00	19.70	300	14	Vertical
2	2386.16	48.39	7.87	74.00	25.61	100	292	Vertical
3	2390.00	47.02	7.98	74.00	26.98	200	85	Vertical
4	2390.00	34.36	7.98	54.00	19.64	300	203	Vertical
5	2417.00	84.05	8.29	0.00	-84.05	200	203	Vertical
6	2417.00	92.82	8.29	0.00	-92.82	100	206	Vertical

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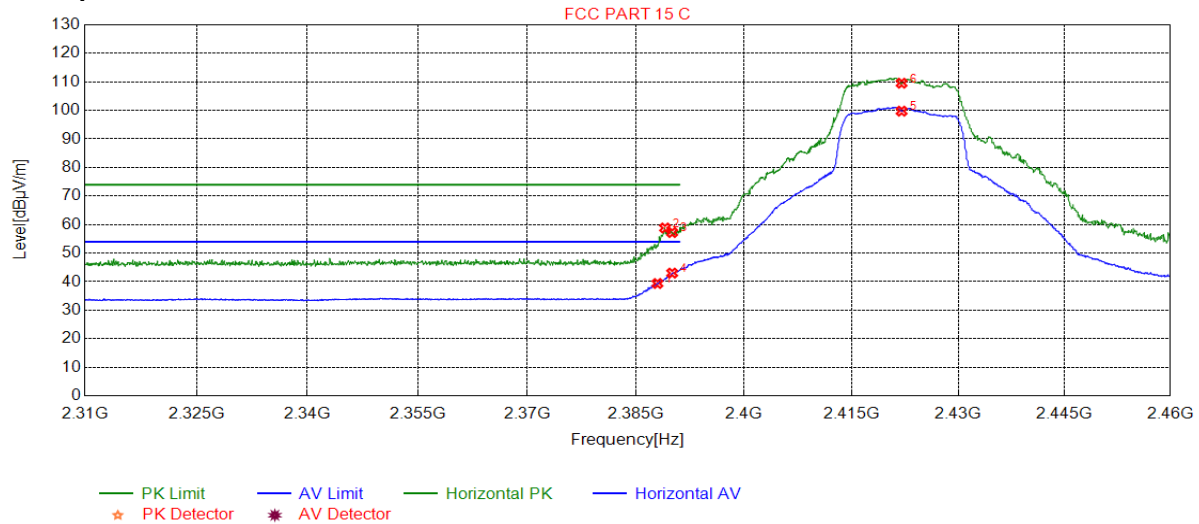
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4.10.1.9 802.11G_Channel 3

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2387.96	39.37	7.92	54.00	14.63	100	301	Horizontal
2	2389.01	58.81	7.95	74.00	15.19	100	301	Horizontal
3	2390.00	57.23	7.98	74.00	16.77	100	215	Horizontal
4	2390.00	43.02	7.98	54.00	10.98	200	301	Horizontal
5	2422.00	99.75	8.45	0.00	-99.75	300	298	Horizontal
6	2422.00	109.53	8.45	0.00	-109.53	100	298	Horizontal

Final Data List



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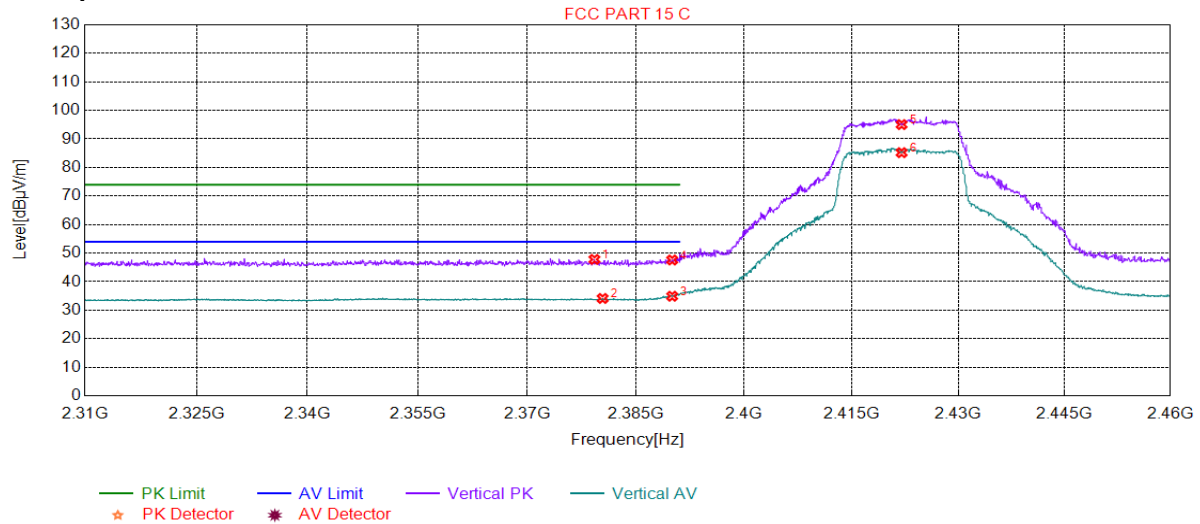
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4.10.1.10 802.11G_Channel 3

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2379.25	47.81	7.99	74.00	26.19	100	227	Vertical
2	2380.38	34.14	7.98	54.00	19.86	200	85	Vertical
3	2390.00	34.91	7.98	54.00	19.09	300	200	Vertical
4	2390.00	47.61	7.98	74.00	26.39	100	223	Vertical
5	2422.00	95.04	8.45	0.00	-95.04	100	204	Vertical
6	2422.00	85.21	8.45	0.00	-85.21	200	204	Vertical

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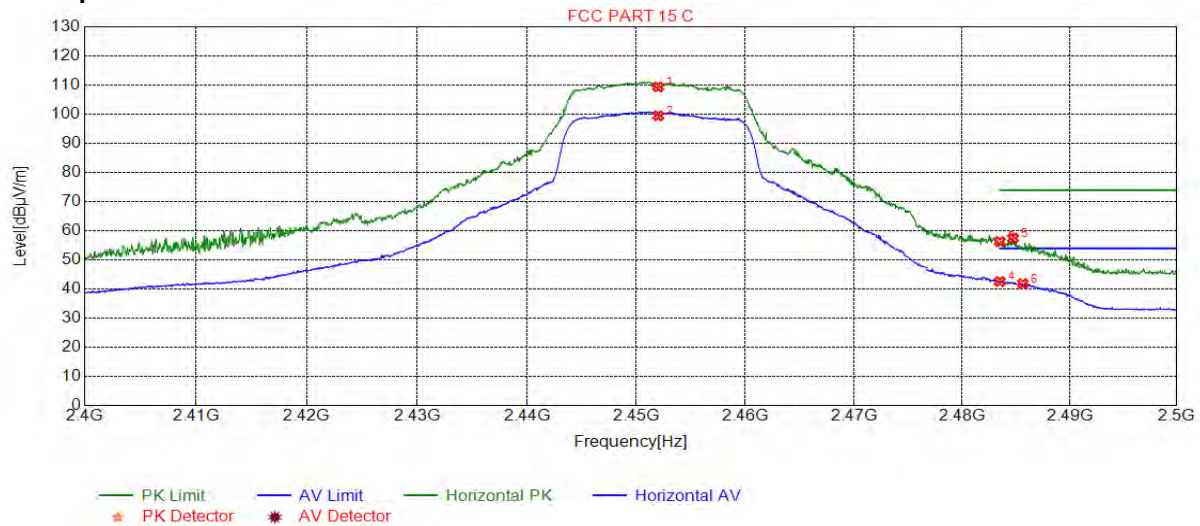
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4.10.1.11 802.11G_Channel 9

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2452.00	109.36	8.65	0.00	-109.36	100	294	Horizontal
2	2452.00	99.50	8.65	0.00	-99.50	200	298	Horizontal
3	2483.50	56.33	8.50	74.00	17.67	300	305	Horizontal
4	2483.50	42.62	8.50	54.00	11.38	100	309	Horizontal
5	2484.74	57.48	8.49	74.00	16.52	200	290	Horizontal
6	2485.64	41.90	8.51	54.00	12.10	300	305	Horizontal

Final Data List



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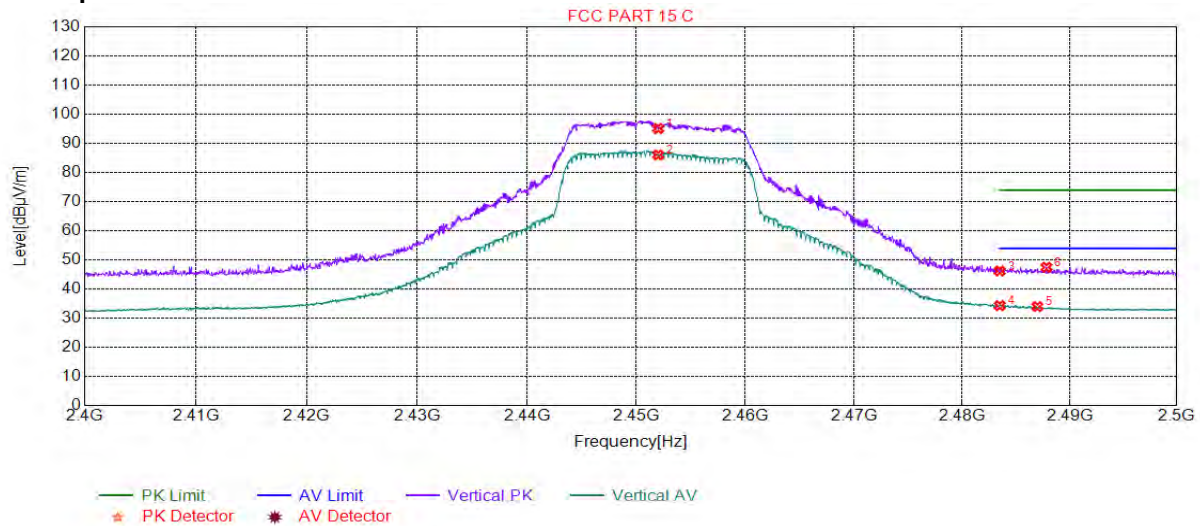
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4.10.1.12 802.11G_Channel 9

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2452.00	95.12	8.65	0.00	-95.12	100	206	Vertical
2	2452.00	86.04	8.65	0.00	-86.04	200	206	Vertical
3	2483.50	46.23	8.50	74.00	27.77	300	206	Vertical
4	2483.50	34.35	8.50	54.00	19.65	100	206	Vertical
5	2486.99	34.03	8.54	54.00	19.97	300	90	Vertical
6	2487.84	47.53	8.56	74.00	26.47	100	82	Vertical

Final Data List



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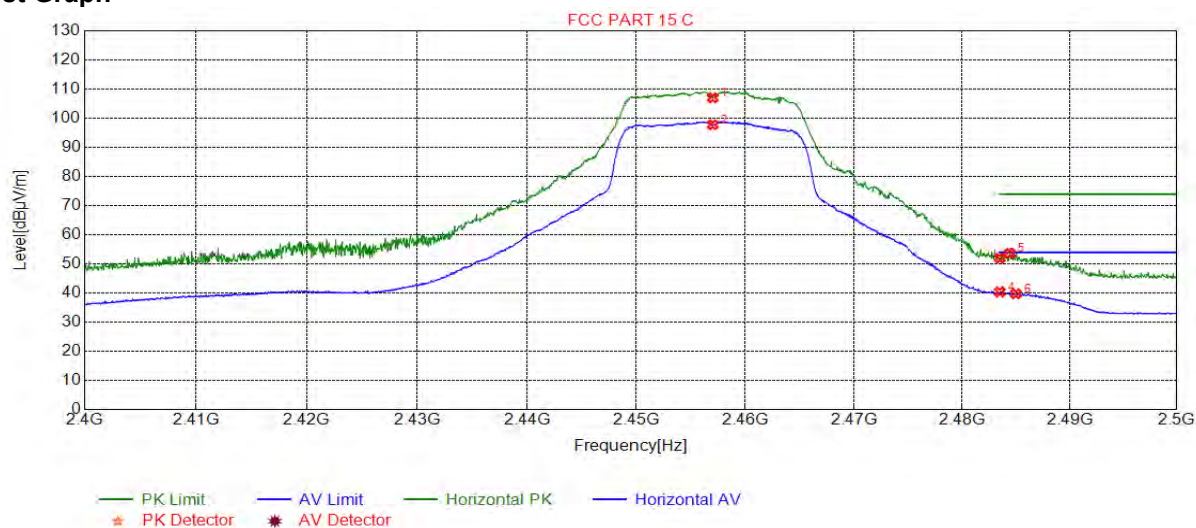
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4.10.1.13 802.11G_Channel 10

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2457.00	107.01	8.75	0.00	-107.01	100	308	Horizontal
2	2457.00	97.79	8.75	0.00	-97.79	200	308	Horizontal
3	2483.50	52.03	8.50	74.00	21.97	300	308	Horizontal
4	2483.50	40.43	8.50	54.00	13.57	200	308	Horizontal
5	2484.44	53.66	8.49	74.00	20.34	100	305	Horizontal
6	2484.99	39.80	8.49	54.00	14.20	100	305	Horizontal

Final Data List

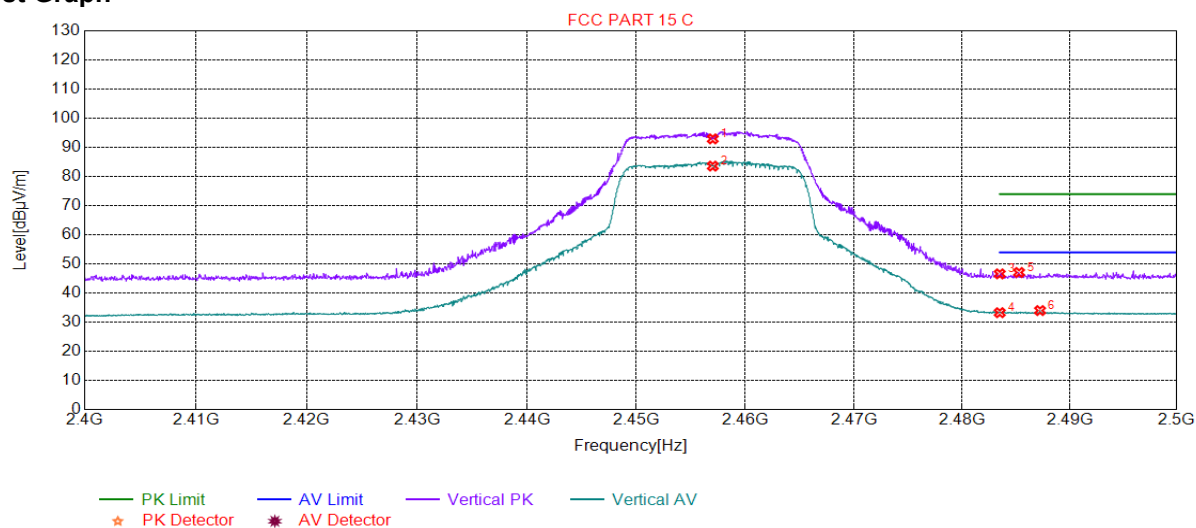


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4.10.1.14 802.11G_Channel 10

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2457.00	92.92	8.75	0.00	-92.92	300	205	Vertical
2	2457.00	83.59	8.75	0.00	-83.59	200	209	Vertical
3	2483.50	46.62	8.50	74.00	27.38	100	77	Vertical
4	2483.50	33.32	8.50	54.00	20.68	300	89	Vertical
5	2485.29	47.11	8.50	74.00	26.89	100	74	Vertical
6	2487.24	34.04	8.55	54.00	19.96	100	85	Vertical

Final Data List

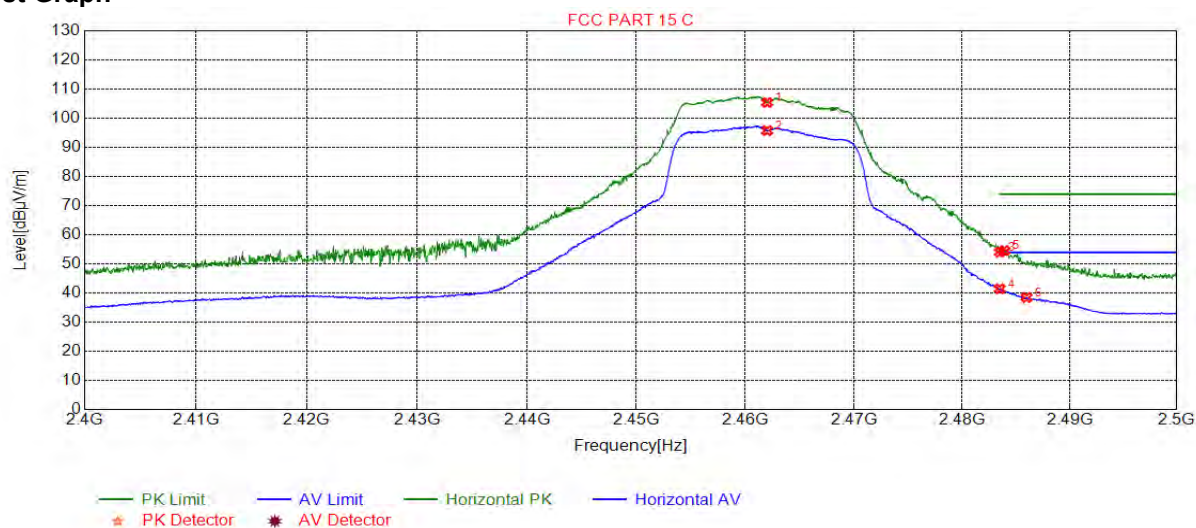


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4.10.1.15 802.11G_Channel 11

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2462.00	105.38	8.75	0.00	-105.38	100	309	Horizontal
2	2462.00	95.75	8.75	0.00	-95.75	100	309	Horizontal
3	2483.50	54.06	8.50	74.00	19.94	300	294	Horizontal
4	2483.50	41.51	8.50	54.00	12.49	200	309	Horizontal
5	2483.94	54.63	8.50	74.00	19.37	100	305	Horizontal
6	2485.99	38.50	8.51	54.00	15.50	200	309	Horizontal

Final Data List

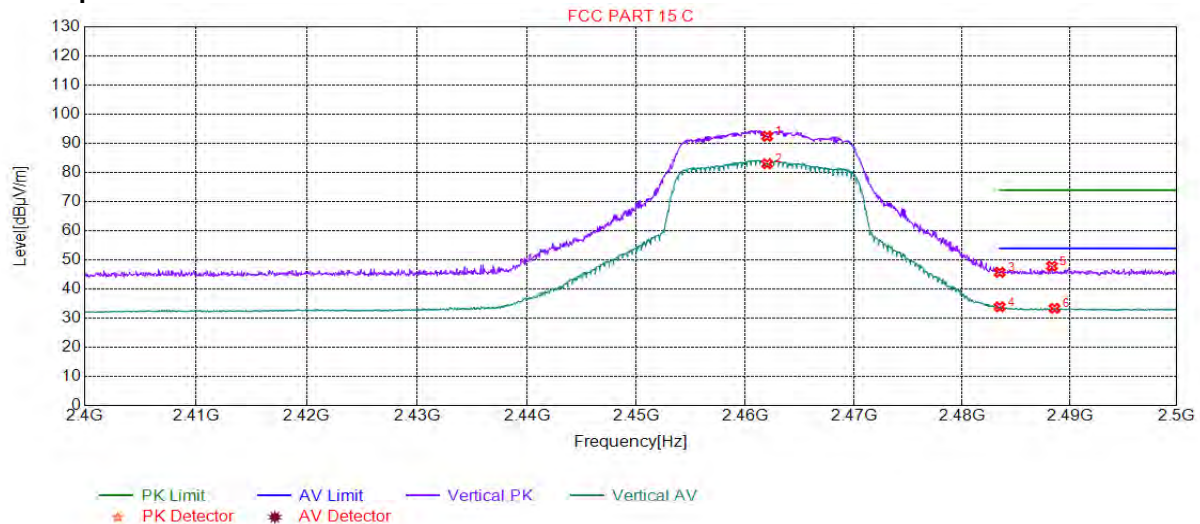


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4.10.1.16 802.11G_Channel 11

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2462.00	92.44	8.75	0.00	-92.44	100	207	Vertical
2	2462.00	83.00	8.75	0.00	-83.00	200	207	Vertical
3	2483.50	45.77	8.50	74.00	28.23	300	290	Vertical
4	2483.50	33.95	8.50	54.00	20.05	100	90	Vertical
5	2488.34	47.90	8.58	74.00	26.10	200	123	Vertical
6	2488.59	33.43	8.58	54.00	20.57	300	86	Vertical

Final Data List

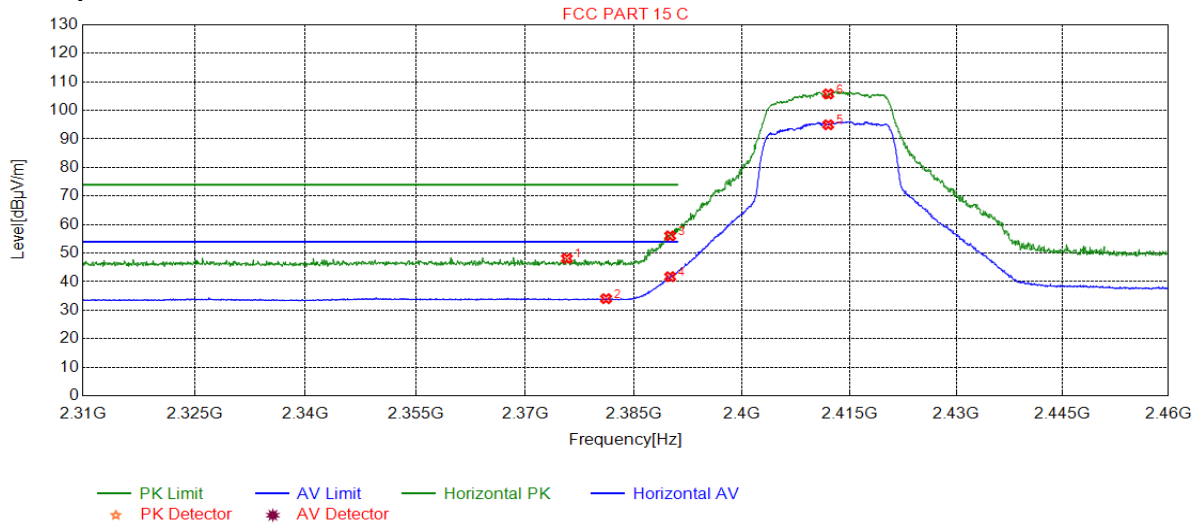


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4.10.1.17 802.11N20_Channel 1

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2375.73	48.13	7.95	74.00	25.87	100	312	Horizontal
2	2381.13	34.05	7.96	54.00	19.95	200	222	Horizontal
3	2390.00	56.07	7.98	74.00	17.93	300	298	Horizontal
4	2390.00	41.76	7.98	54.00	12.24	400	305	Horizontal
5	2412.00	94.97	8.16	0.00	-94.97	200	301	Horizontal
6	2412.00	105.76	8.16	0.00	-105.76	100	298	Horizontal

Final Data List



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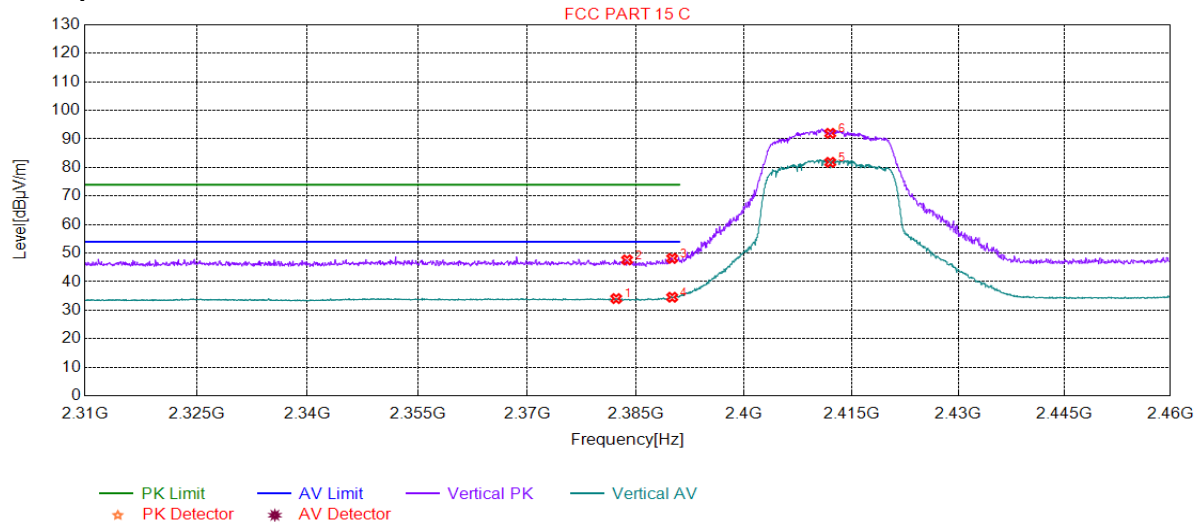
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4.10.1.18 802.11N20_Channel 1

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2382.26	34.09	7.92	54.00	19.91	300	261	Vertical
2	2383.76	47.64	7.87	74.00	26.36	400	348	Vertical
3	2390.00	48.18	7.98	74.00	25.82	200	276	Vertical
4	2390.00	34.56	7.98	54.00	19.44	100	205	Vertical
5	2412.00	81.81	8.16	0.00	-81.81	100	205	Vertical
6	2412.00	91.97	8.16	0.00	-91.97	200	205	Vertical

Final Data List

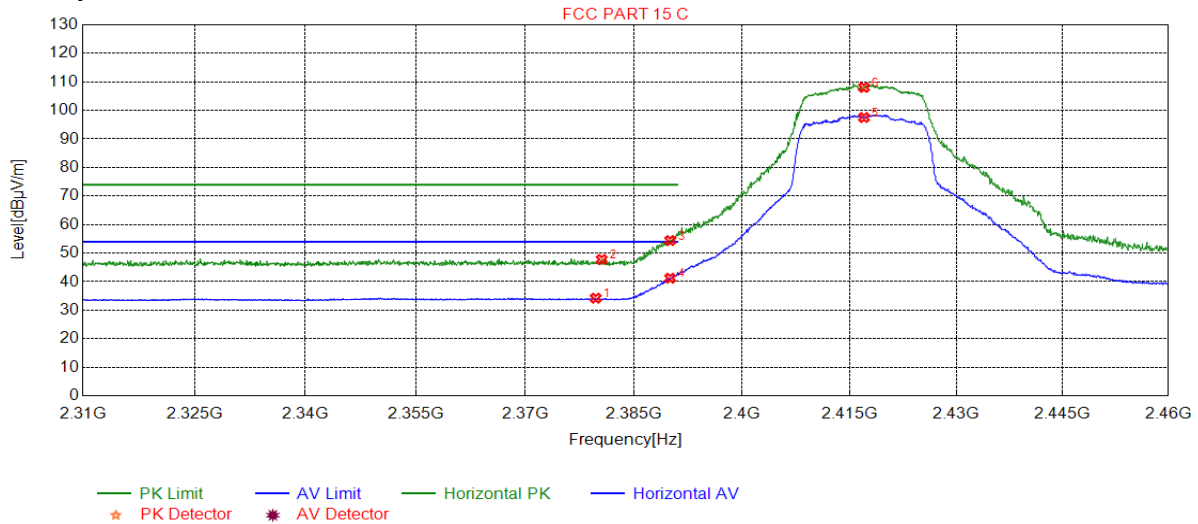


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4.10.1.19 802.11N20_Channel 2

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2379.70	34.23	7.99	54.00	19.77	100	82	Horizontal
2	2380.53	47.79	7.98	74.00	26.21	200	230	Horizontal
3	2390.00	54.42	7.98	74.00	19.58	300	301	Horizontal
4	2390.00	41.23	7.98	54.00	12.77	100	301	Horizontal
5	2417.00	97.52	8.29	0.00	-97.52	300	298	Horizontal
6	2417.00	108.06	8.29	0.00	-108.06	100	294	Horizontal

Final Data List



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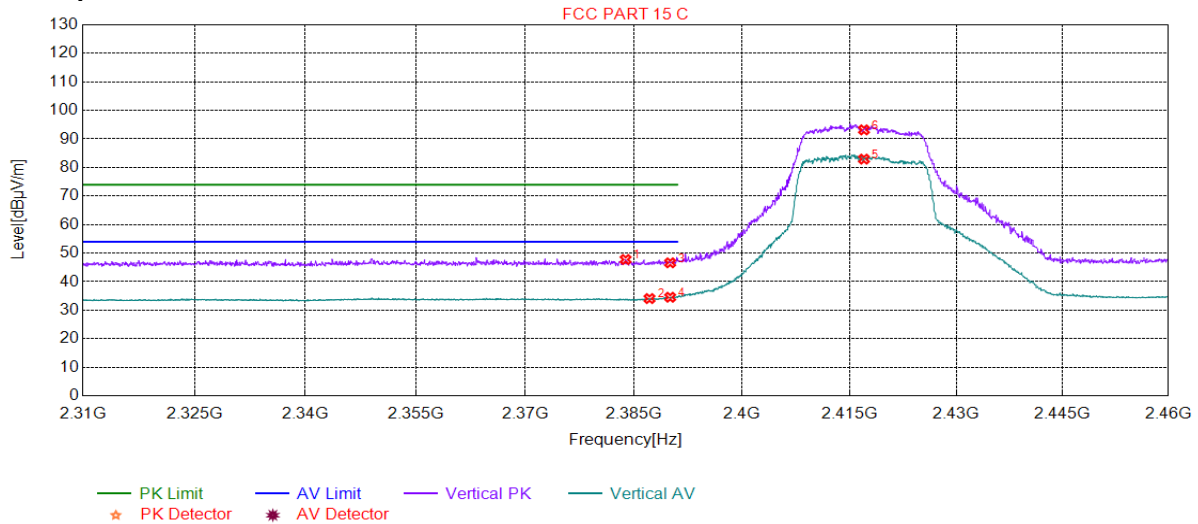
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4.10.1.20 802.11N20_Channel 2

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2383.83	47.77	7.87	74.00	26.23	200	70	Vertical
2	2387.13	34.09	7.90	54.00	19.91	100	205	Vertical
3	2390.00	46.61	7.98	74.00	27.39	300	303	Vertical
4	2390.00	34.56	7.98	54.00	19.44	100	205	Vertical
5	2417.00	82.94	8.29	0.00	-82.94	400	205	Vertical
6	2417.00	93.19	8.29	0.00	-93.19	100	205	Vertical

Final Data List



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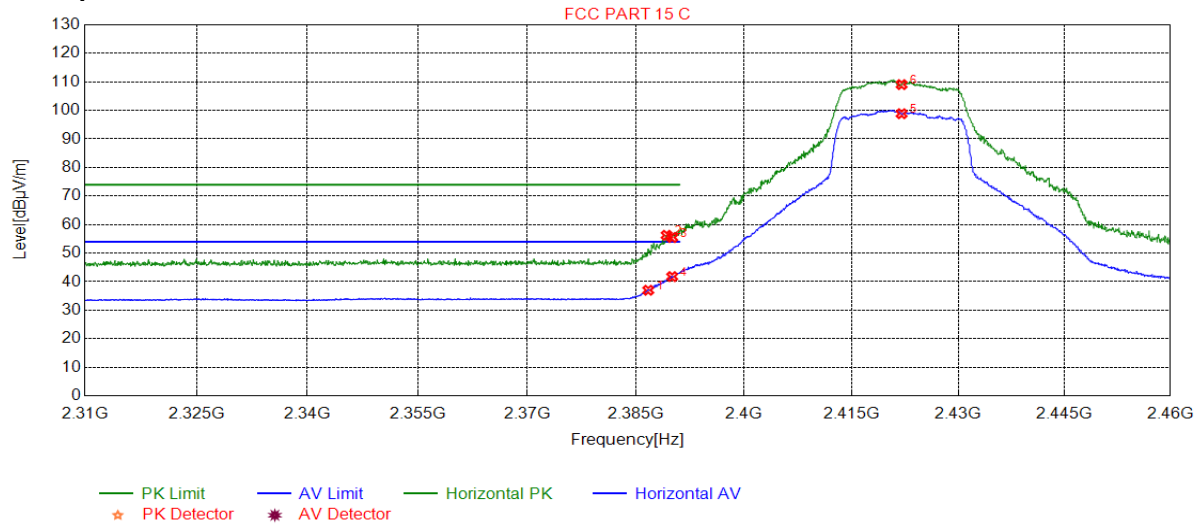
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4.10.1.21 802.11N20_Channel 3

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2386.68	37.01	7.88	54.00	16.99	100	298	Horizontal
2	2389.23	56.27	7.96	74.00	17.73	100	309	Horizontal
3	2390.00	55.48	7.98	74.00	18.52	200	234	Horizontal
4	2390.00	41.78	7.98	54.00	12.22	300	305	Horizontal
5	2422.00	98.85	8.45	0.00	-98.85	100	298	Horizontal
6	2422.00	109.05	8.45	0.00	-109.05	200	294	Horizontal

Final Data List

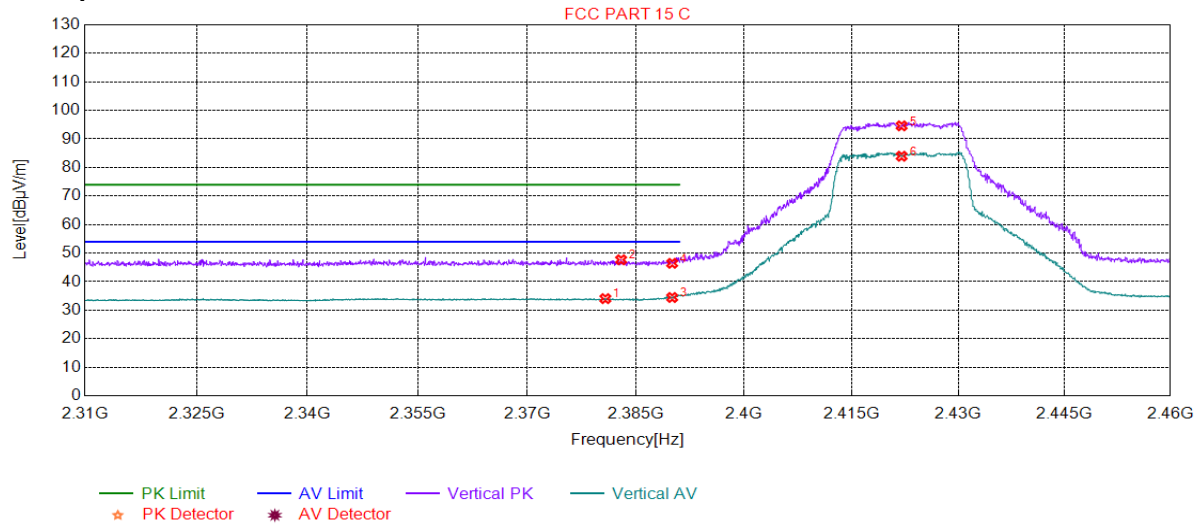


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4.10.1.22 802.11N20_Channel 3

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2380.76	34.08	7.97	54.00	19.92	100	190	Vertical
2	2382.93	47.67	7.90	74.00	26.33	200	358	Vertical
3	2390.00	34.47	7.98	54.00	19.53	300	220	Vertical
4	2390.00	46.44	7.98	74.00	27.56	100	227	Vertical
5	2422.00	94.59	8.45	0.00	-94.59	200	208	Vertical
6	2422.00	83.95	8.45	0.00	-83.95	100	208	Vertical

Final Data List



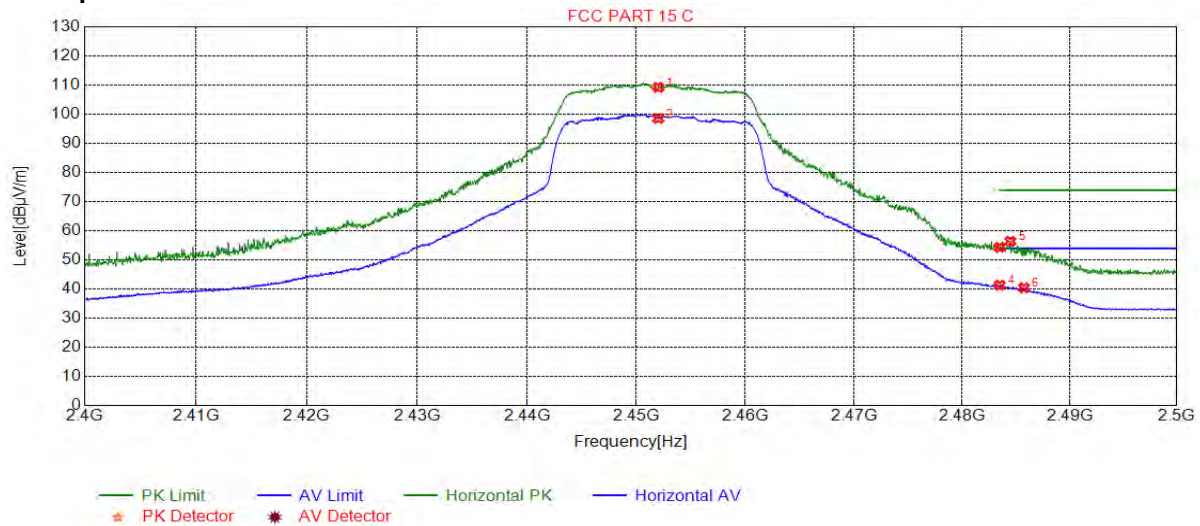
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4.10.1.23 802.11N20_Channel 9

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2452.00	109.19	8.65	0.00	-109.19	100	294	Horizontal
2	2452.00	98.55	8.65	0.00	-98.55	200	298	Horizontal
3	2483.50	54.35	8.50	74.00	19.65	100	305	Horizontal
4	2483.50	41.37	8.50	54.00	12.63	300	305	Horizontal
5	2484.49	56.40	8.49	74.00	17.60	100	301	Horizontal
6	2485.74	40.47	8.51	54.00	13.53	200	309	Horizontal

Final Data List



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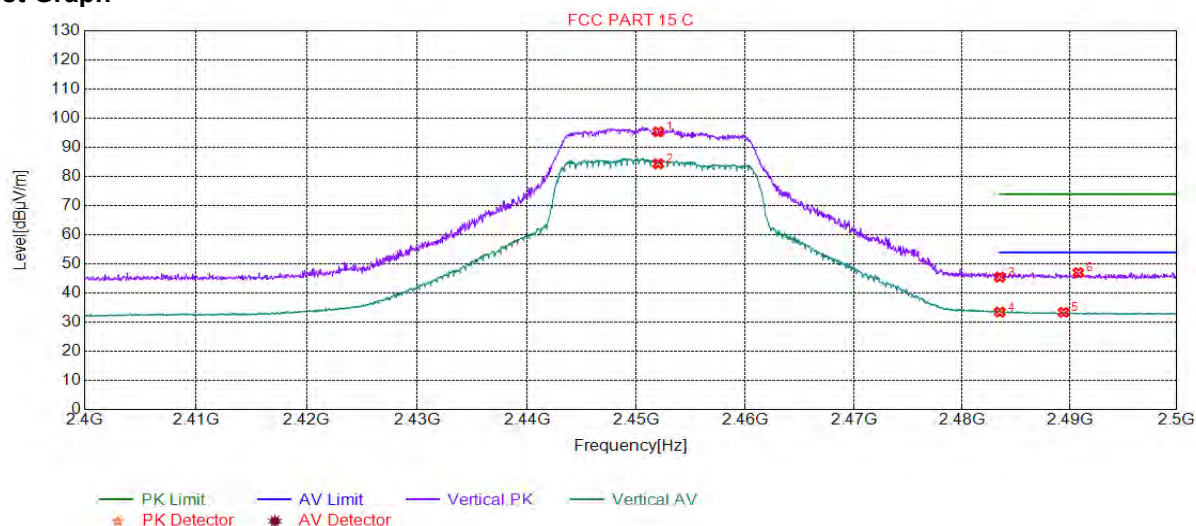
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4.10.1.24 802.11N20_Channel 9

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2452.00	95.31	8.65	0.00	-95.31	100	205	Vertical
2	2452.00	84.36	8.65	0.00	-84.36	300	205	Vertical
3	2483.50	45.50	8.50	74.00	28.50	100	277	Vertical
4	2483.50	33.52	8.50	54.00	20.48	100	205	Vertical
5	2489.44	33.41	8.61	54.00	20.59	200	273	Vertical
6	2490.79	47.05	8.62	74.00	26.95	100	149	Vertical

Final Data List

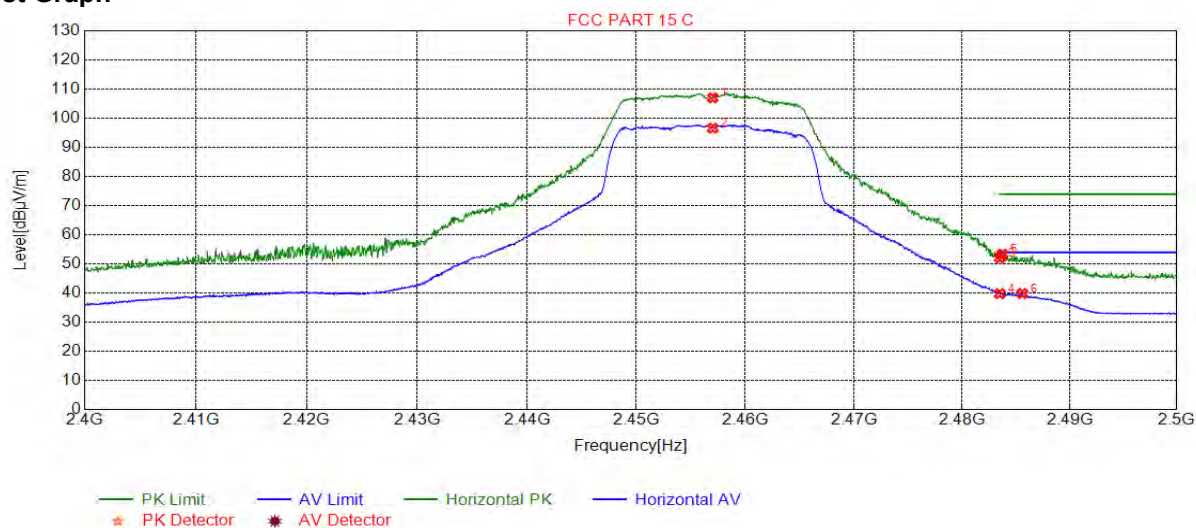


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4.10.1.25 802.11N20_Channel 10

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2457.00	106.99	8.75	0.00	-106.99	100	294	Horizontal
2	2457.00	96.60	8.75	0.00	-96.60	300	309	Horizontal
3	2483.50	52.07	8.50	74.00	21.93	100	305	Horizontal
4	2483.50	39.83	8.50	54.00	14.17	400	309	Horizontal
5	2483.74	53.43	8.50	74.00	20.57	100	305	Horizontal
6	2485.59	39.90	8.50	54.00	14.10	200	305	Horizontal

Final Data List

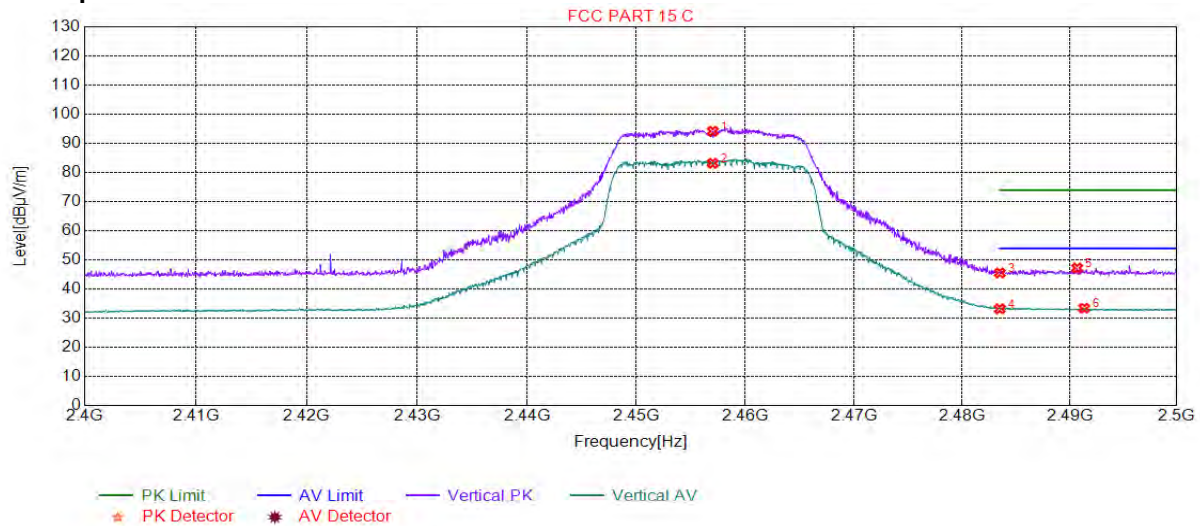


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4.10.1.26 802.11N20_Channel 10

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2457.00	94.17	8.75	0.00	-94.17	100	210	Vertical
2	2457.00	83.19	8.75	0.00	-83.19	200	206	Vertical
3	2483.50	45.59	8.50	74.00	28.41	100	134	Vertical
4	2483.50	33.24	8.50	54.00	20.76	400	288	Vertical
5	2490.69	47.25	8.62	74.00	26.75	300	149	Vertical
6	2491.34	33.46	8.61	54.00	20.54	100	273	Vertical

Final Data List



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