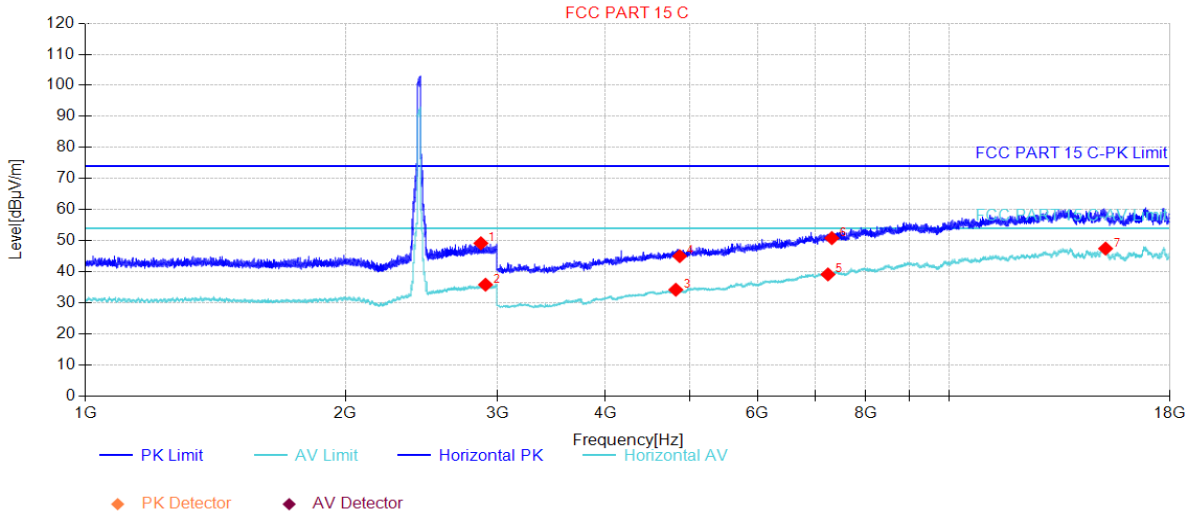


4.9.2.15 802.11N20_CH6



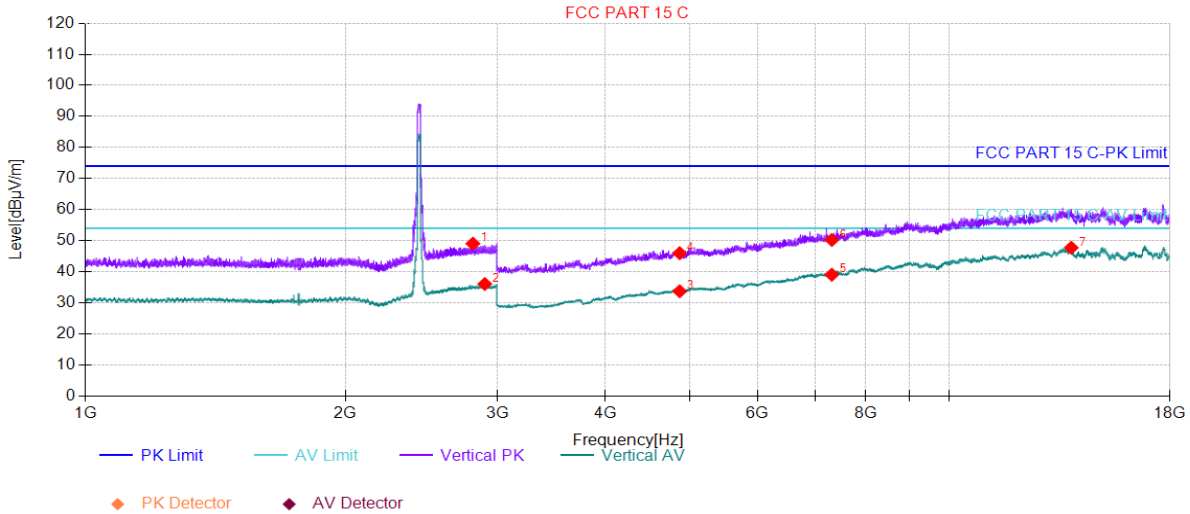
Suspected List						
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2869.5870	49.15	6.88	74.00	24.85	Horizontal
2	2905.3905	35.82	6.97	54.00	18.18	Horizontal
3	4824.0000	34.19	-10.56	54.00	19.81	Horizontal
4	4874.0000	45.00	-10.40	74.00	29.00	Horizontal
5	7236.0000	39.12	-2.59	54.00	14.88	Horizontal
6	7311.0000	50.81	-2.57	74.00	23.19	Horizontal
7	15166.216	47.44	6.97	54.00	6.56	Horizontal

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4.9.2.16 802.11N20_CH6



Suspected List						
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2809.1809	49.04	6.75	74.00	24.96	Vertical
2	2899.3899	36.04	6.95	54.00	17.96	Vertical
3	4874.0000	33.69	-10.40	54.00	20.31	Vertical
4	4874.0000	45.95	-10.40	74.00	28.05	Vertical
5	7311.0000	39.02	-2.57	54.00	14.98	Vertical
6	7311.0000	50.21	-2.57	74.00	23.79	Vertical
7	13840.084	47.72	5.86	54.00	6.28	Vertical

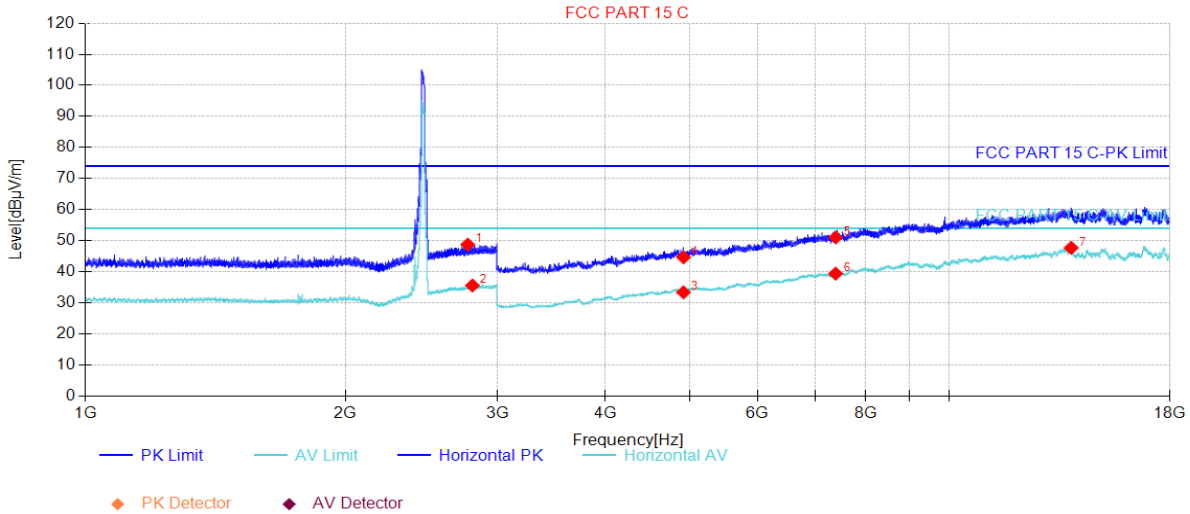
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4.9.2.17

802.11N20_CH11



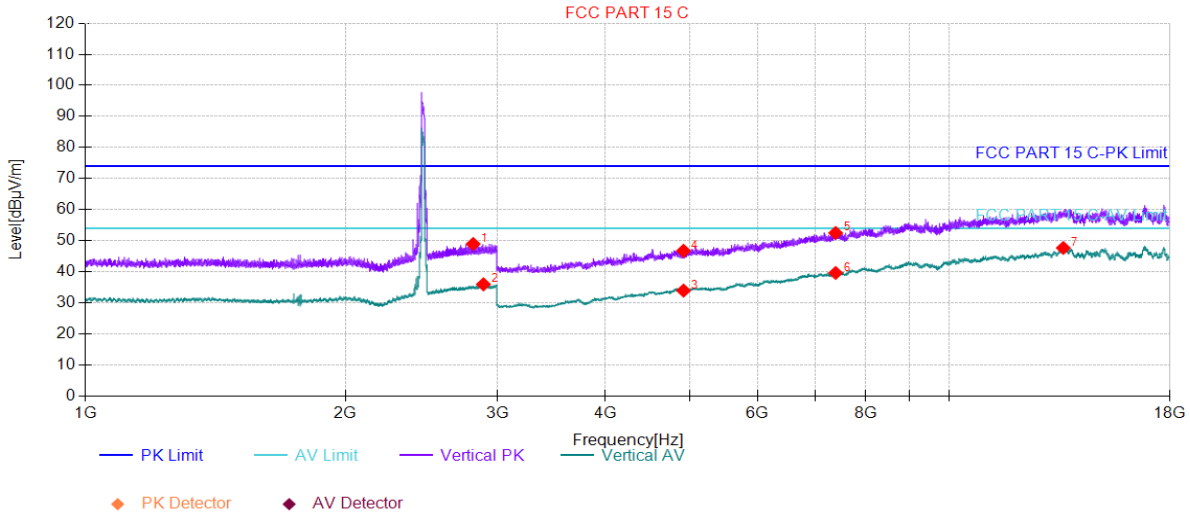
Suspected List						
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2770.5771	48.70	6.43	74.00	25.30	Horizontal
2	2805.5806	35.54	6.74	54.00	18.46	Horizontal
3	4924.0000	33.35	-10.22	54.00	20.65	Horizontal
4	4924.0000	44.65	-10.22	74.00	29.35	Horizontal
5	7386.0000	51.02	-2.06	74.00	22.98	Horizontal
6	7386.0000	39.37	-2.06	54.00	14.63	Horizontal
7	13837.083	47.67	5.85	54.00	6.33	Horizontal

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4.9.2.18 802.11N20_CH11



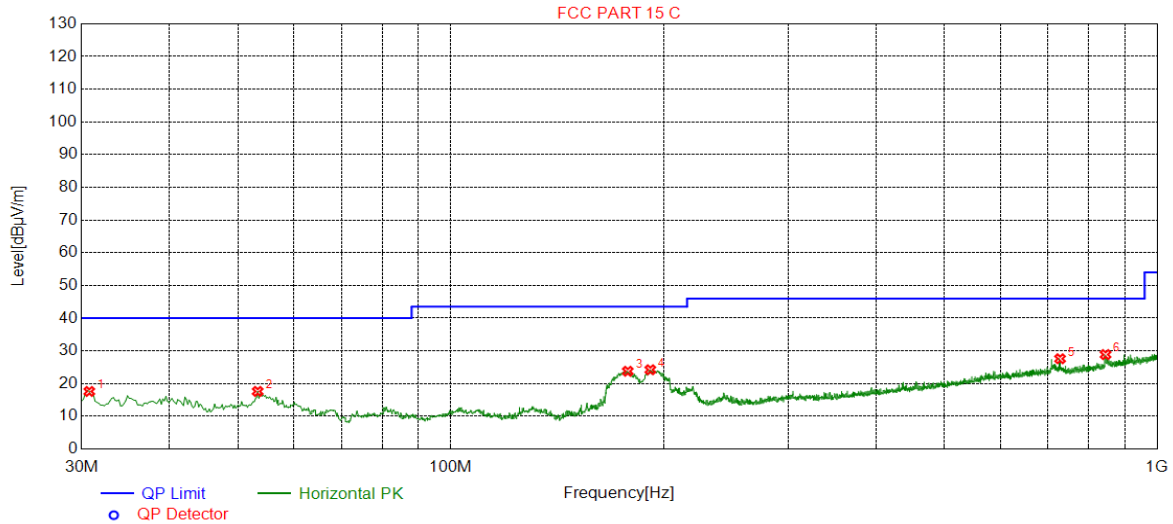
Suspected List						
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2811.1811	48.92	6.75	74.00	25.08	Vertical
2	2888.7889	35.93	6.93	54.00	18.07	Vertical
3	4924.0000	33.91	-10.22	54.00	20.09	Vertical
4	4924.0000	46.71	-10.22	74.00	27.29	Vertical
5	7386.0000	52.47	-2.06	74.00	21.53	Vertical
6	7386.0000	39.59	-2.06	54.00	14.41	Vertical
7	13549.054	47.64	6.00	54.00	6.36	Vertical

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Secondly Supply:
4.9.3 Radiated Emission below 1GHz
4.9.3.1 Charge + Transmitting

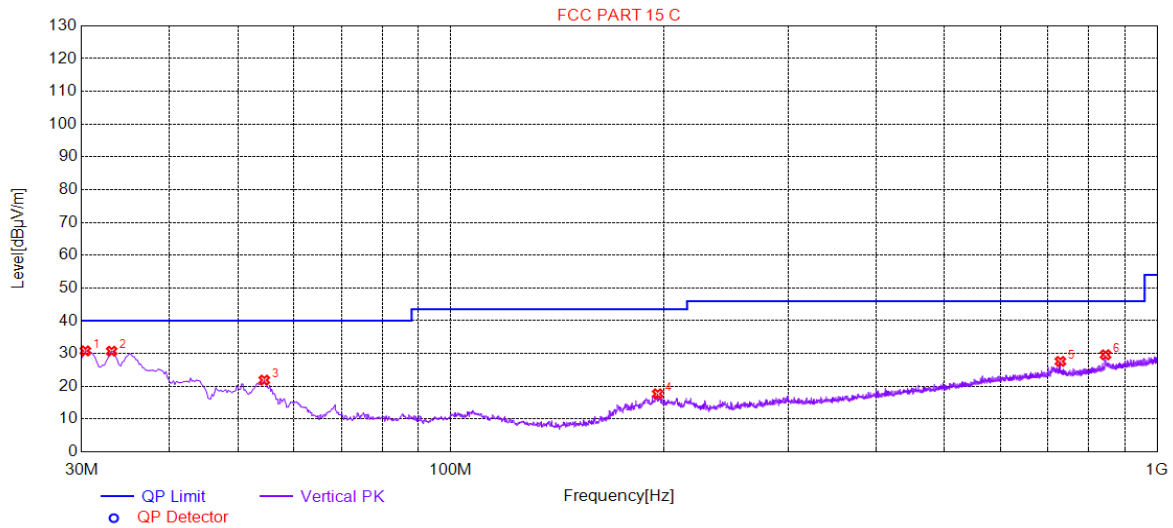


Suspected List					
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	30.7762	17.61	40.00	22.39	Horizontal
2	53.2847	17.62	40.00	22.38	Horizontal
3	178.0516	23.77	43.50	19.73	Horizontal
4	191.6343	24.24	43.50	19.26	Horizontal
5	728.7337	27.60	46.00	18.40	Horizontal
6	845.1570	28.88	46.00	17.12	Horizontal

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Suspected List					
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	30.3881	30.82	40.00	9.18	Vertical
2	33.1046	30.73	40.00	9.27	Vertical
3	54.4489	21.90	40.00	18.10	Vertical
4	196.2913	17.71	43.50	25.79	Vertical
5	729.5099	27.61	46.00	18.39	Vertical
6	845.1570	29.62	46.00	16.38	Vertical

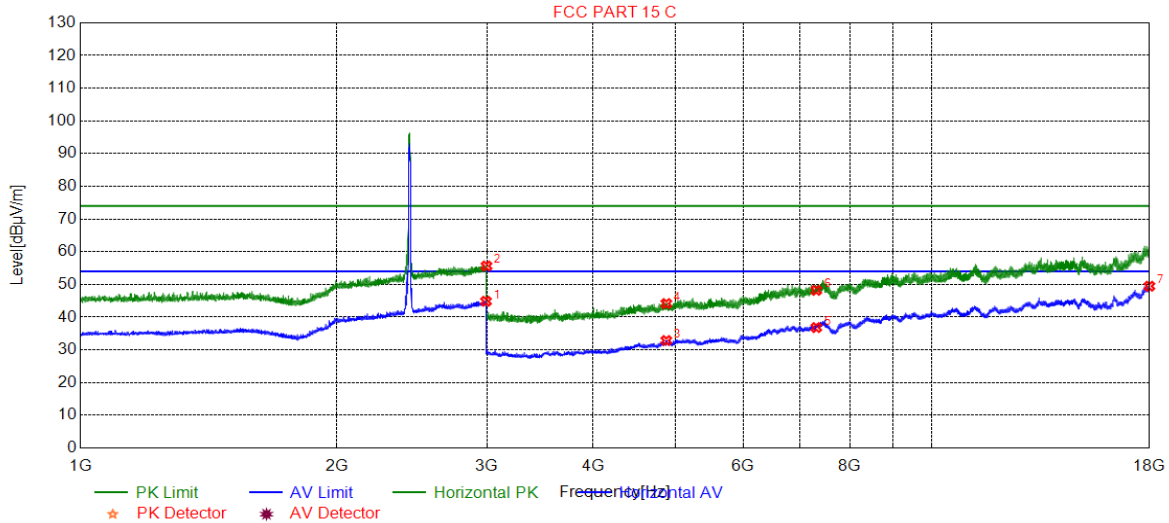
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4.9.4 Transmitter emission above 1GHz

4.9.4.1 802.11B_Channel 6



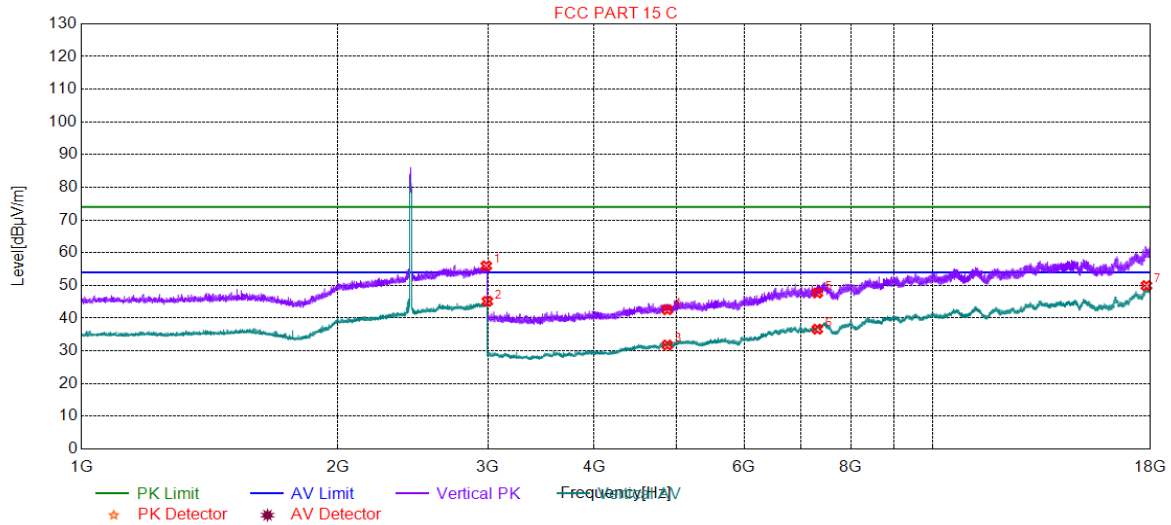
Suspected List					
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2993.4984	44.87	54.00	9.13	Horizontal
2	2997.4994	55.65	74.00	18.35	Horizontal
3	4874.0000	32.86	54.00	21.14	Horizontal
4	4874.0000	44.17	74.00	29.83	Horizontal
5	7311.0000	36.84	54.00	17.16	Horizontal
6	7311.0000	48.22	74.00	25.78	Horizontal
7	17992.4996	49.47	54.00	4.53	Horizontal

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4.9.4.2 802.11B_Channel 6



Suspected List					
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2987.4969	56.00	74.00	18.00	Vertical
2	2995.9990	45.16	54.00	8.84	Vertical
3	4874.0000	31.81	54.00	22.19	Vertical
4	4874.0000	42.62	74.00	31.38	Vertical
5	7311.0000	47.71	74.00	26.29	Vertical
6	7311.0000	36.65	54.00	17.35	Vertical
7	17801.9901	49.94	54.00	4.06	Vertical

Final Data List

Remark:

- 1) 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
- 2) 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.
- 3) 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.
- 4) All Modes have been tested, but only the worst case data displayed in this report.



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4.10 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)		
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:			

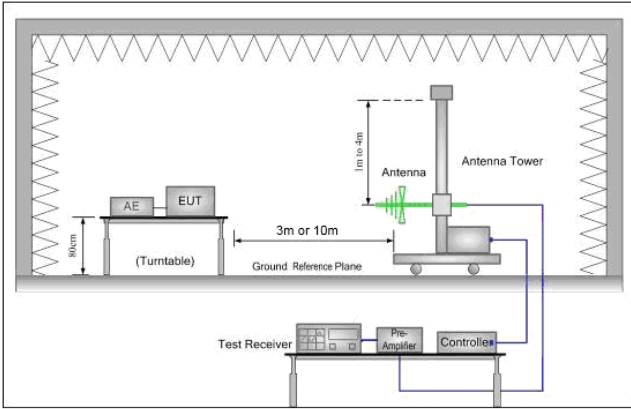


Figure 1. 30MHz to 1GHz

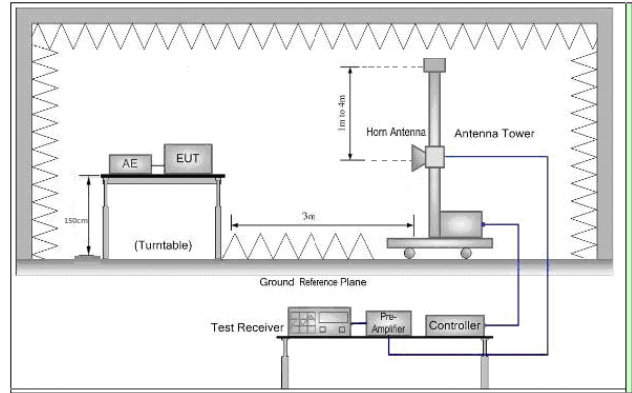


Figure 2. Above 1 GHz

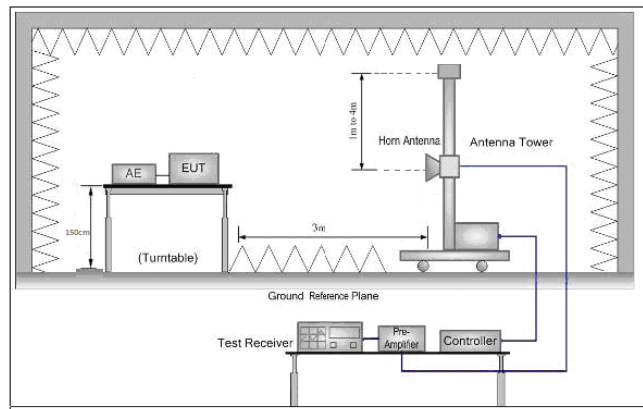


Figure 3. Above 1 GHz



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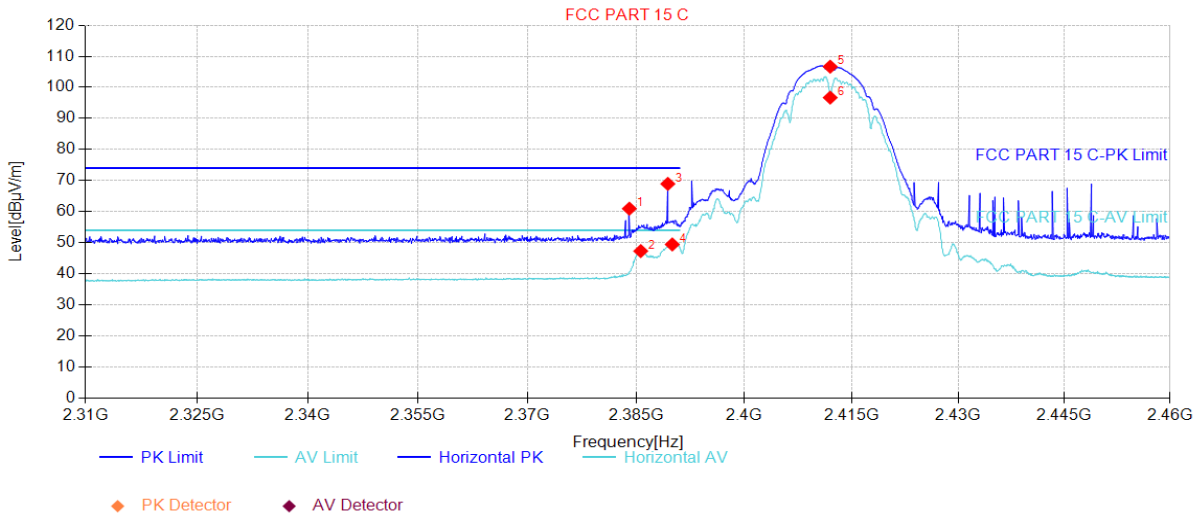
<p>Test Procedure:</p>	<ol style="list-style-type: none"> a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. b. For above 1GHz, 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.
<p>Exploratory Test Mode:</p>	<p>Transmitting with all kind of modulations, data rates. Charge + Transmitting mode.</p>
<p>Final Test Mode:</p>	<p>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); Only the worst case is recorded in the report.</p>
<p>Instruments Used:</p>	<p>Refer to section 5.10 for details</p>
<p>Test Results:</p>	<p>Pass</p>



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Firstly Supply:

4.10.1 Test Plots
4.10.1.1 802.11B_CH1



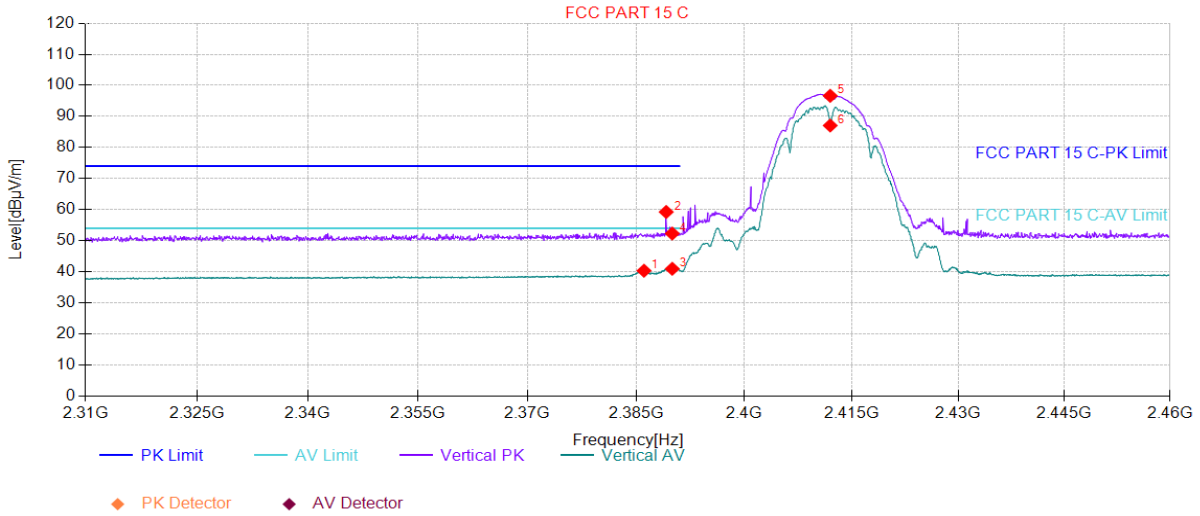
Suspected List						
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2384.0620	60.94	4.28	74.00	13.06	Horizontal
2	2385.6378	47.28	4.29	54.00	6.72	Horizontal
3	2389.3897	68.91	4.31	74.00	5.09	Horizontal
4	2390.0000	49.42	4.31	54.00	4.58	Horizontal
5	2412.0000	106.67	4.37	0.00	-106.67	Horizontal
6	2412.0000	96.69	4.37	0.00	-96.69	Horizontal

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4.10.1.2 802.11B_CH1



Suspected List						
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2386.0880	40.31	4.29	54.00	13.69	Vertical
2	2389.1646	59.23	4.30	74.00	14.77	Vertical
3	2390.0000	40.93	4.31	54.00	13.07	Vertical
4	2390.0000	52.28	4.31	74.00	21.72	Vertical
5	2412.0000	96.65	4.37	0.00	-96.65	Vertical
6	2412.0000	87.07	4.37	0.00	-87.07	Vertical

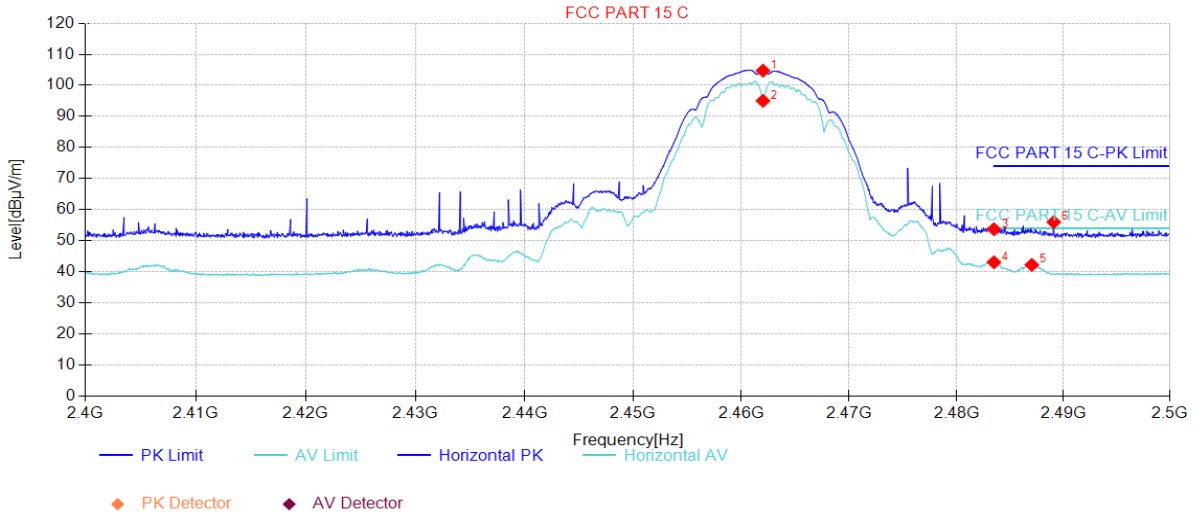
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4.10.1.3 802.11B_CH11



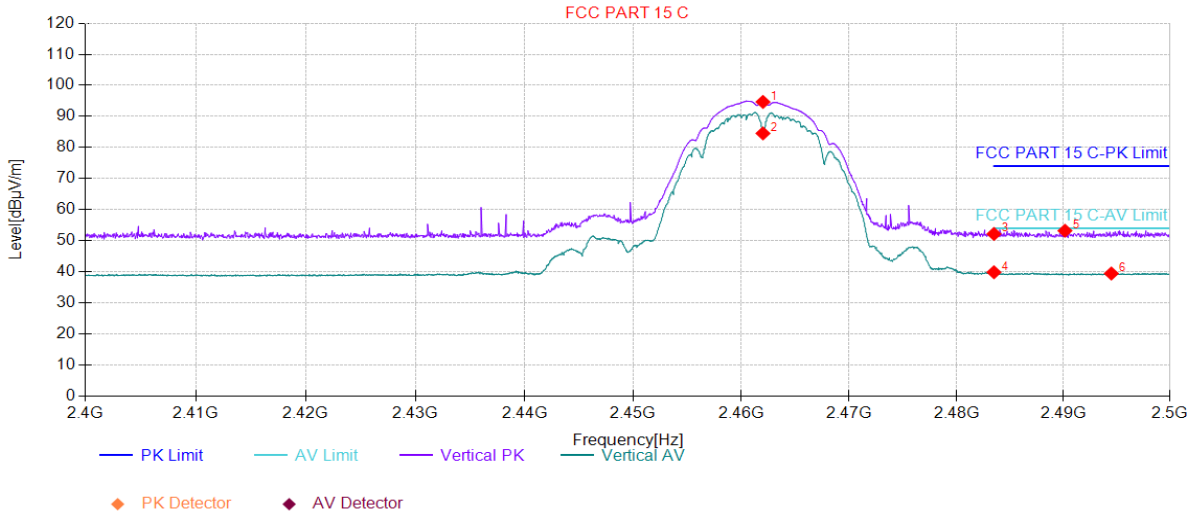
Suspected List						
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2462.0000	104.74	4.44	0.00	-104.74	Horizontal
2	2462.0000	95.03	4.44	0.00	-95.03	Horizontal
3	2483.5000	53.67	4.47	74.00	20.33	Horizontal
4	2483.5000	43.03	4.47	54.00	10.97	Horizontal
5	2487.0435	42.18	4.47	54.00	11.82	Horizontal
6	2489.0945	55.98	4.47	74.00	18.02	Horizontal

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4.10.1.4 802.11B_CH11



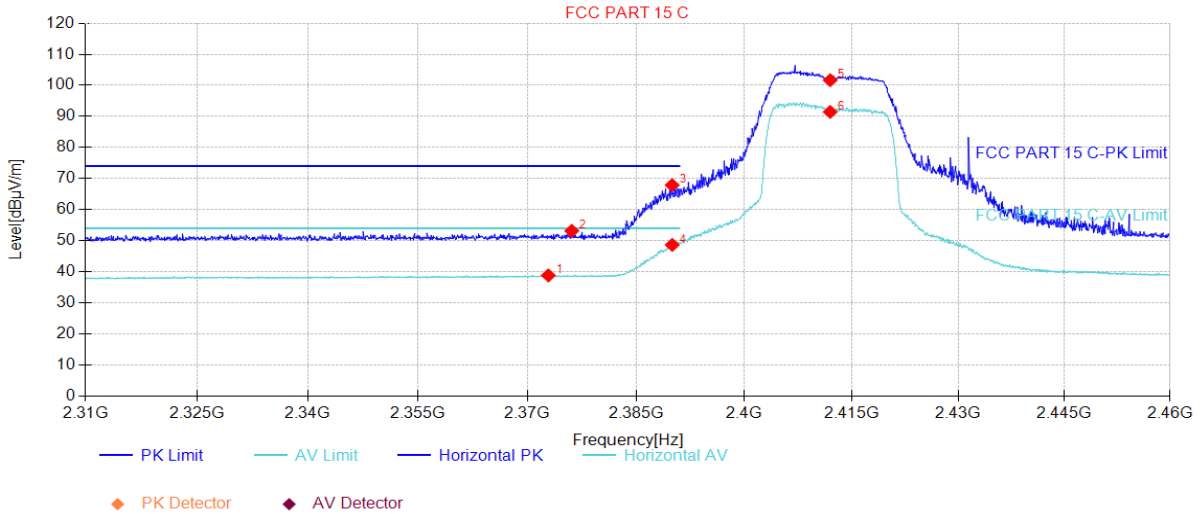
Suspected List						
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2462.0000	94.67	4.44	0.00	-94.67	Vertical
2	2462.0000	84.53	4.44	0.00	-84.53	Vertical
3	2483.5000	52.15	4.47	74.00	21.85	Vertical
4	2483.5000	39.82	4.47	54.00	14.18	Vertical
5	2490.1451	53.19	4.48	74.00	20.81	Vertical
6	2494.4972	39.41	4.48	54.00	14.59	Vertical

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4.10.1.5 802.11G_CH1



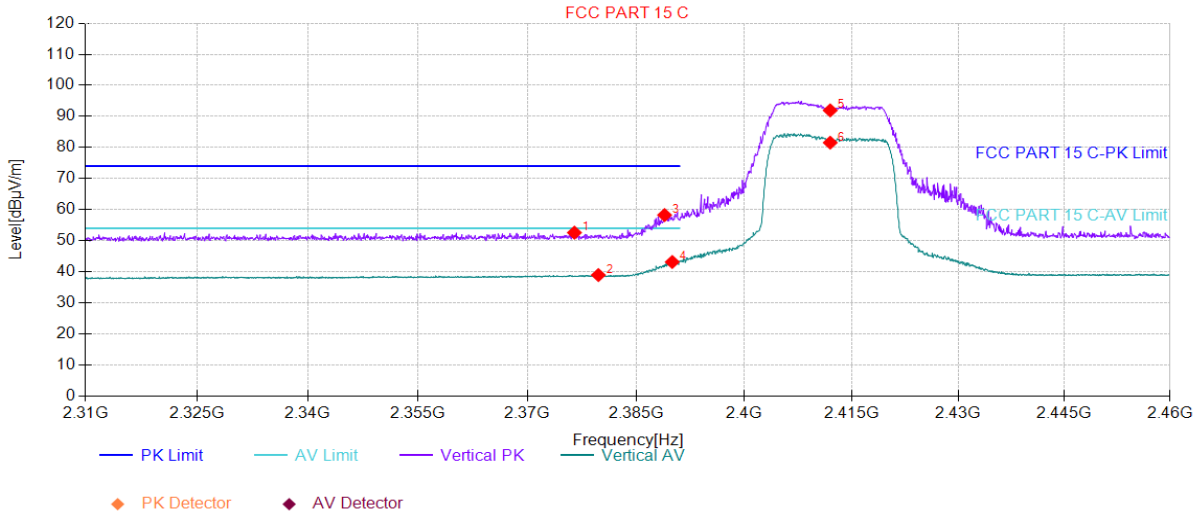
Suspected List						
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2372.8814	38.79	4.23	54.00	15.21	Horizontal
2	2376.1081	53.14	4.25	74.00	20.86	Horizontal
3	2389.9900	67.86	4.31	74.00	6.14	Horizontal
4	2390.0000	48.62	4.31	54.00	5.38	Horizontal
5	2412.0000	101.67	4.37	0.00	-101.67	Horizontal
6	2412.0000	91.46	4.37	0.00	-91.46	Horizontal

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4.10.1.6 802.11G_CH1



Suspected List						
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2376.4832	52.57	4.25	74.00	21.43	Vertical
2	2379.7849	38.91	4.26	54.00	15.09	Vertical
3	2388.9395	58.24	4.30	74.00	15.76	Vertical
4	2390.0000	43.12	4.31	54.00	10.88	Vertical
5	2412.0000	91.95	4.37	0.00	-91.95	Vertical
6	2412.0000	81.55	4.37	0.00	-81.55	Vertical

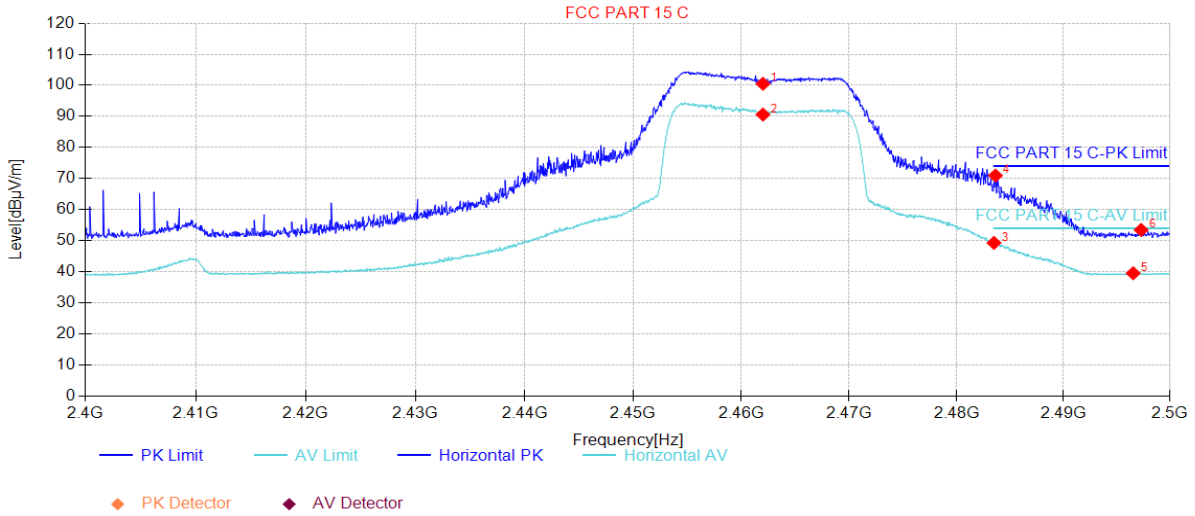
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4.10.1.7 802.11G_CH11



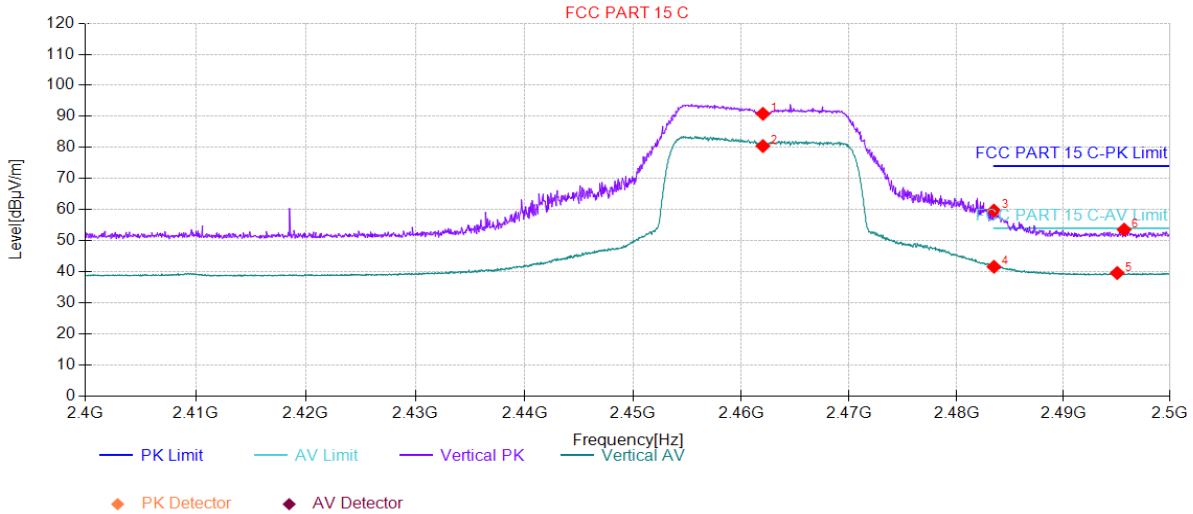
Suspected List						
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2462.0000	100.51	4.44	0.00	-100.51	Horizontal
2	2462.0000	90.60	4.44	0.00	-90.60	Horizontal
3	2483.5000	49.27	4.47	54.00	4.73	Horizontal
4	2483.6418	70.97	4.47	74.00	3.03	Horizontal
5	2496.5483	39.49	4.49	54.00	14.51	Horizontal
6	2497.2986	53.43	4.49	74.00	20.57	Horizontal

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4.10.1.8 802.11G_CH11



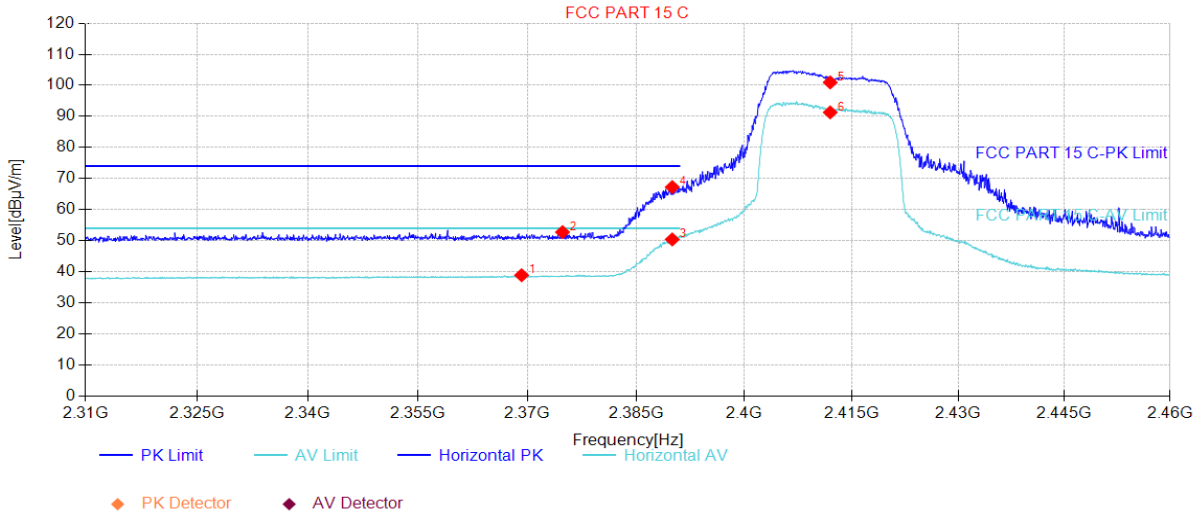
Suspected List						
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2462.0000	90.84	4.44	0.00	-90.84	Vertical
2	2462.0000	80.45	4.44	0.00	-80.45	Vertical
3	2483.5000	59.66	4.47	74.00	14.34	Vertical
4	2483.5000	41.58	4.47	54.00	12.42	Vertical
5	2495.0475	39.57	4.48	54.00	14.43	Vertical
6	2495.6978	53.54	4.48	74.00	20.46	Vertical

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4.10.1.9 802.11N20_CH1



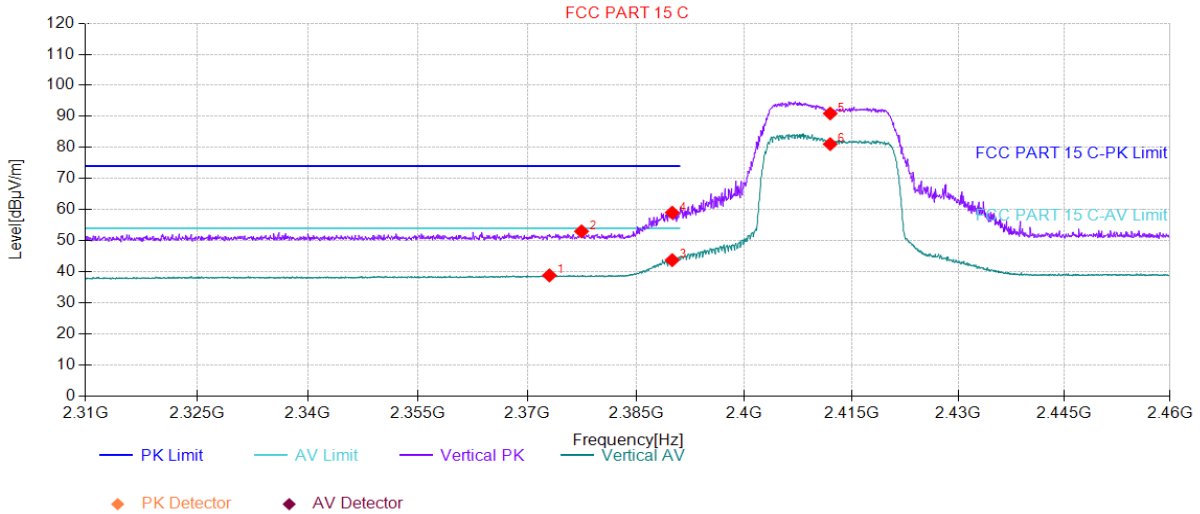
Suspected List						
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2369.2046	38.85	4.22	54.00	15.15	Horizontal
2	2374.8324	52.73	4.24	74.00	21.27	Horizontal
3	2390.0000	50.39	4.31	54.00	3.61	Horizontal
4	2390.0000	67.25	4.31	74.00	6.75	Horizontal
5	2412.0000	100.95	4.37	0.00	-100.95	Horizontal
6	2412.0000	91.29	4.37	0.00	-91.29	Horizontal

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4.10.1.10 802.11N20_CH1



Suspected List						
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2373.0315	38.79	4.23	54.00	15.21	Vertical
2	2377.4587	52.98	4.25	74.00	21.02	Vertical
3	2390.0000	43.72	4.31	54.00	10.28	Vertical
4	2390.0000	59.00	4.31	74.00	15.00	Vertical
5	2412.0000	90.95	4.37	0.00	-90.95	Vertical
6	2412.0000	81.07	4.37	0.00	-81.07	Vertical

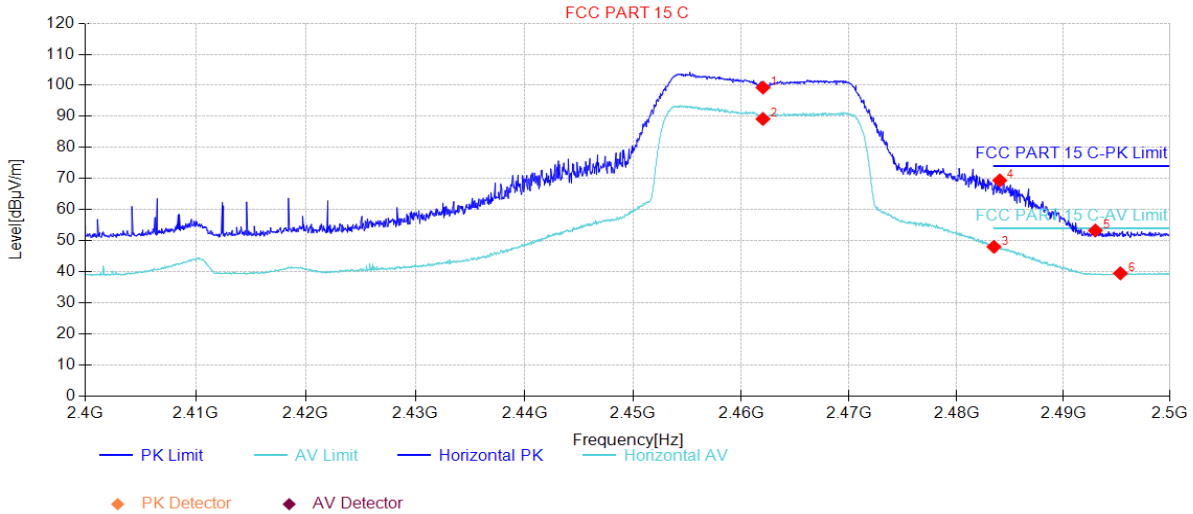
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4.10.1.11 802.11N20_CH11



Suspected List						
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2462.0000	99.30	4.44	0.00	-99.30	Horizontal
2	2462.0000	89.18	4.44	0.00	-89.18	Horizontal
3	2483.5000	48.00	4.47	54.00	6.00	Horizontal
4	2484.0420	69.39	4.47	74.00	4.61	Horizontal
5	2492.9965	53.24	4.48	74.00	20.76	Horizontal
6	2495.3477	39.47	4.48	54.00	14.53	Horizontal

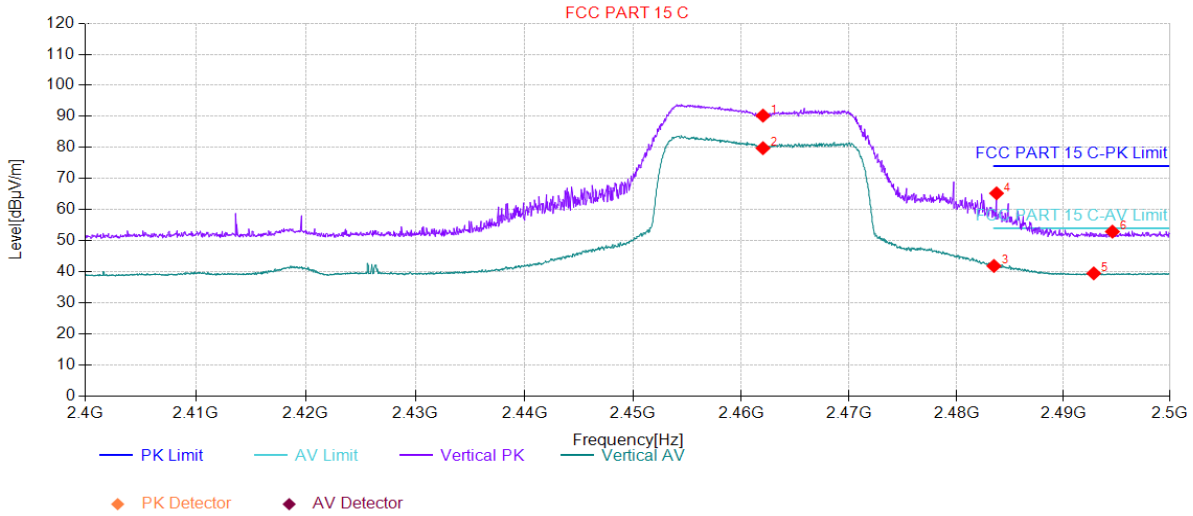
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4.10.1.12

802.11N20_CH11



Suspected List						
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2462.0000	90.26	4.44	0.00	-90.26	Vertical
2	2462.0000	79.78	4.44	0.00	-79.78	Vertical
3	2483.5000	41.84	4.47	54.00	12.16	Vertical
4	2483.7419	65.23	4.47	74.00	8.77	Vertical
5	2492.8464	39.45	4.48	54.00	14.55	Vertical
6	2494.5973	52.90	4.48	74.00	21.10	Vertical

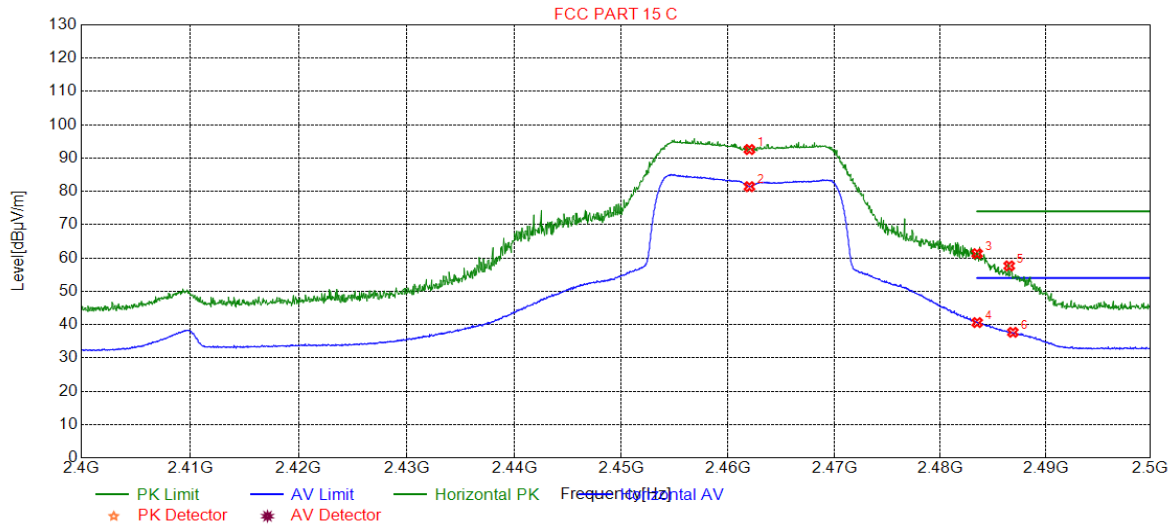
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Secondly Supply:

4.10.1.13 802.11G_Channel 11



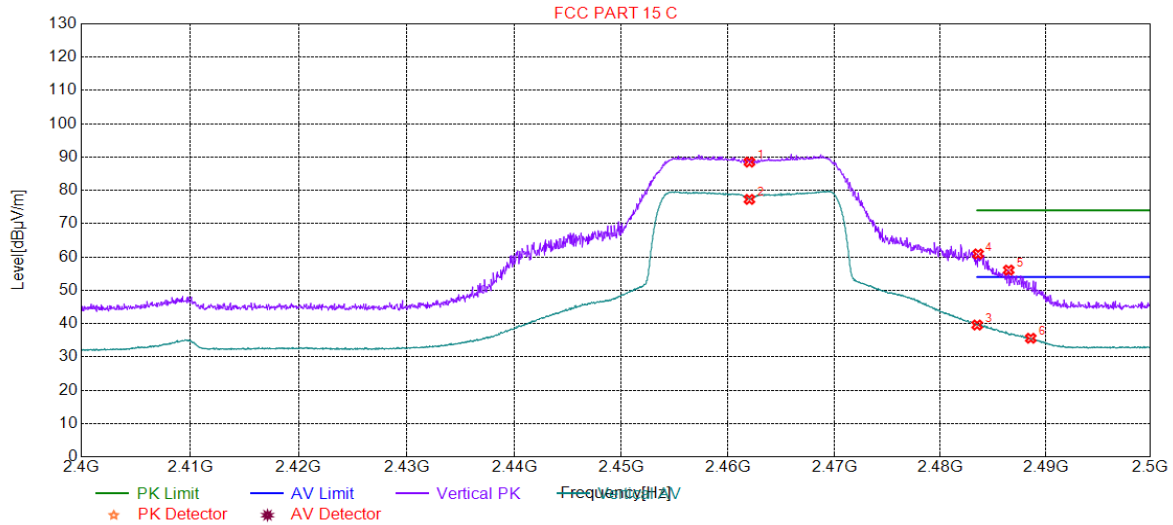
Suspected List					
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2462.0000	92.57	0.00	-92.57	Horizontal
2	2462.0000	81.42	0.00	-81.42	Horizontal
3	2483.5000	61.33	74.00	12.67	Horizontal
4	2483.5000	40.63	54.00	13.37	Horizontal
5	2486.5433	57.65	74.00	16.35	Horizontal
6	2486.8934	37.71	54.00	16.29	Horizontal

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4.10.1.14 802.11G_Channel 11



Suspected List					
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2462.0000	88.50	0.00	-88.50	Vertical
2	2462.0000	77.31	0.00	-77.31	Vertical
3	2483.5000	39.60	54.00	14.40	Vertical
4	2483.5918	60.94	74.00	13.06	Vertical
5	2486.4932	56.09	74.00	17.91	Vertical
6	2488.5943	35.63	54.00	18.37	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

All Modes have been tested, but only the worst case data displayed in this report.



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5 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	Measurement Uncertainty
1	Total RF power, conducted	±0.75dB
2	RF power density, conducted	±2.84dB
3	Spurious emissions, conducted	±0.75dB
4	Radiated Spurious emission test	±4.5dB (30MHz-1GHz)
		±4.8dB (1GHz-25GHz)
5	Conduct emission test	±3.12 dB (9KHz- 30MHz)
6	Temperature test	±1°C
7	Humidity test	±3%
8	DC and low frequency voltages	±0.5%



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6 Equipment List

Conducted Emission					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date	Cal.Duedate
				(yyyy-mm-dd)	(yyyy-mm-dd)
Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2020/5/10	2023/5/9
LISN	Rohde & Schwarz	ENV216	SEM007-01	2020/7/14	2021/7/14
LISN	ETS-LINDGREN	Feb-16	SEM007-02	2020/4/1	2021/3/31
Measurement Software	AUDIX	e3 V5.4.1221c	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM024-01	2020/6/12	2021/6/11
2 Line ISN	Fischer Custom Communications Inc	FCC-TLISN-T202	EMC0122	2020/2/11	2021/2/10
EMI Test Receiver	Rohde & Schwarz	ESCI	SEM004-02	2020/3/2	2021/3/1

RF conducted test					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date	Cal.Duedate
				(yyyy-mm-dd)	(yyyy-mm-dd)
DC Power Supply	Agilent Technologie Inc	66311B	W009-09	2020/7/15	2021/7/15
Signal Analyzer	Rohde & Schwarz	FSV	W025-05	2020/1/3	2021/1/2
Coaxial Cable	SGS	N/A	SEM031-01	2020/6/12	2021/6/11
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2020/7/14	2021/7/14
Temperature Chamber	GIANT FORCE	ICT-150-40-CPAR	W027-03	2020/10/27	2021/10/27
				2019/10/27	2020/10/27
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2020/7/14	2021/7/14



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RE in Chamber					
Test Equipment	Manufacturer	Model No.	Inventory No	Cal. date	Cal.Due date
				(yyyy-mm-dd)	(yyyy-mm-dd)
3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2018/3/13	2021/3/12
Measurement Software	AUDIX	e3V8.2014-6-2	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2020/6/12	2021/6/11
EXA Signal Analyzer (10Hz-26.5GHz)	Agilent Technologies Inc	N9010A	SEM004-09	2020/3/12	2021/3/11
BiConiLog Antenna (26-3000MHz)	ETS-Lindgren	3142C	SEM003-01	2020/6/27	2023/6/26
Horn Antenna (0.8-18GHz)	Rohde & Schwarz	HF907	SEM003-07	2018/4/13	2021/4/12
Pre-amplifier(0.1-1.3GHz)	HP	8447D	SEM005-02	2020/7/14	2021/7/14
Low Noise Amplifier(100MHz-18GHz)	Black Diamond Series	BDLNA-0118-352810	SEM005-05	2020/9/3	2021/9/2
Horn Antenna (15-40GHz)	Schwarzbeck	BBHA 9170	SEM003-15	2020/10/17	2023/10/16
Pre-amplifier(18-26GHz)	Rohde & Schwarz	CH14-H052	SEM005-17	2020/3/2	2021/3/1
Band filter	N/A	N/A	SEM023-01	N/A	N/A
RE in Chamber					
Test Equipment	Manufacturer	Model No.	Inventory No	Cal. date	Cal.Due date
				(yyyy-mm-dd)	(yyyy-mm-dd)
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2020/8/5	2023/8/4
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM025-01	2020/6/12	2021/6/11
MXE EMI Receiver (20Hz-8.4GHz)	Agilent Technologies	N9038A	SEM004-05	2020/7/14	2021/7/14
BiConiLog Antenna (26-3000MHz)	ETS-LINDGREN	3142C	SEM003-01	2020/6/27	2023/6/26
Pre-amplifier (0.1-1.3GHz)	Agilent Technologies	8447D	SEM005-01	2020/3/2	2021/3/1



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RE in Chamber					
Test Equipment	Manufacturer	Model No.	Inventory No	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)
10m Semi-Anechoic Chamber	SAEMC	FSAC1018	SEM001-03	2018/3/31	2021/3/30
EMI Test Receiver (9k-7GHz)	Rohde & Schwarz	ESR	SEM004-03	2020/3/2	2021/3/1
Trilog-Broadband Antenna(25M-2GHz)	Schwarzbeck	VULB9168	SEM003-18	2020/3/15	2022/3/14
Pre-amplifier (9k-1GHz)	Sonoma	310N	SEM005-03	2020/3/12	2021/3/11
Loop Antenna (9kHz-30MHz)	ETS-Lindgren	6502	SEM003-08	2020/8/22	2023/8/21
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM029-01	2020/6/12	2021/6/11



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7 Photographs - EUT Constructional Details

Refer to Appendix A - Photographs of Set-Up for ZR/2020/A0016.

The End



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