

Appendix C

WiFi 2.4G Radiated Spurious Emissions

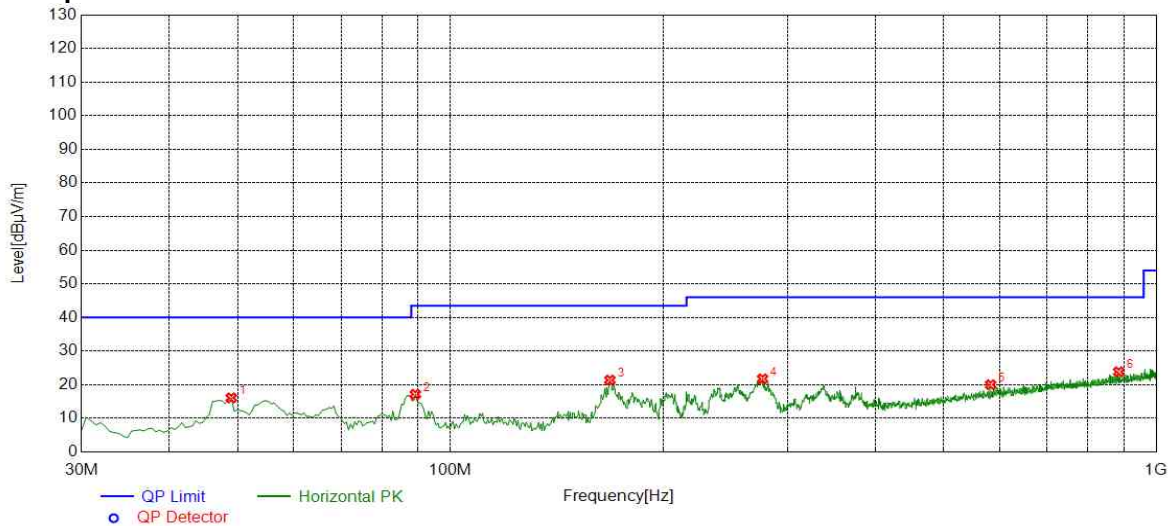


1.1 Radiated Spurious Emissions

1.1.1 Radiated emission below 1GHz

1.1.1.1 Charge + Transmitting

Test Graph



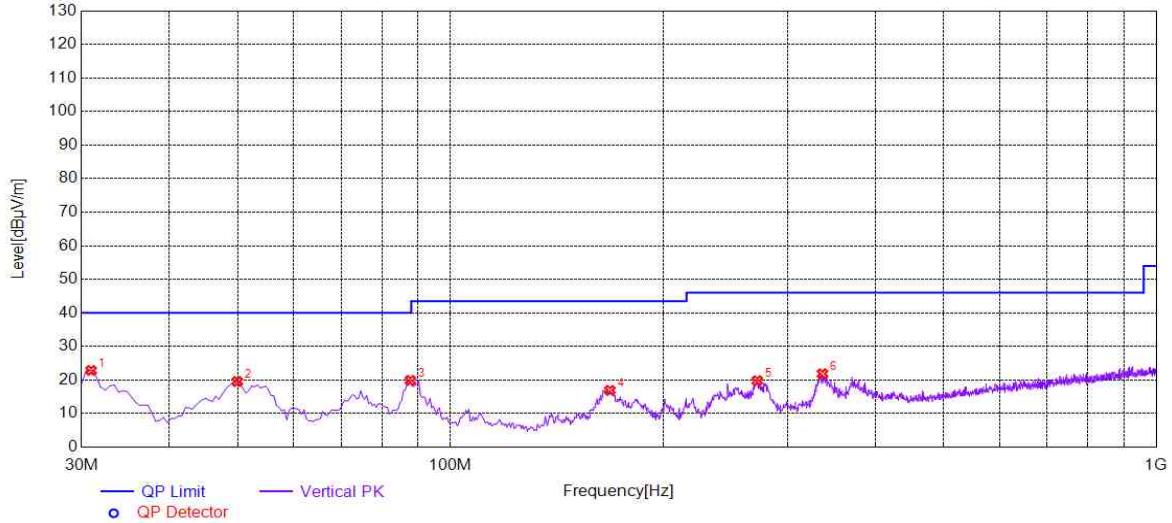
Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	48.9245	16.09	-30.19	40.00	23.91	150	222	Horizontal
2	89.1996	17.15	-33.62	43.50	26.35	150	38	Horizontal
3	168.294	21.39	-33.73	43.50	22.11	150	296	Horizontal
4	276.988	21.77	-28.49	46.00	24.23	150	15	Horizontal
5	582.691	20.02	-20.55	46.00	25.98	150	290	Horizontal
6	884.997	23.87	-15.47	46.00	22.13	150	308	Horizontal

Final Data List



Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	30.9705	22.87	-32.82	40.00	17.13	150	231	Vertical
2	49.8949	19.57	-30.18	40.00	20.43	150	344	Vertical
3	87.7439	19.88	-33.97	40.00	20.12	150	68	Vertical
4	168.294	16.92	-33.73	43.50	26.58	150	23	Vertical
5	272.136	19.81	-28.67	46.00	26.19	150	307	Vertical
6	336.673	21.88	-26.81	46.00	24.12	150	316	Vertical

Final Data List



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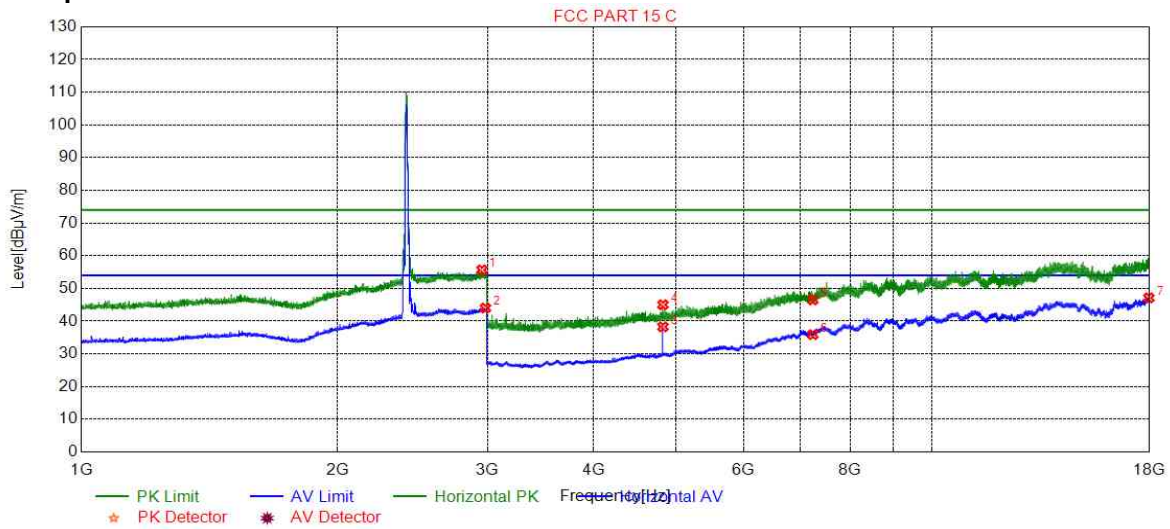
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1.1.2 Transmitter emission above 1GHz

1.1.2.1 ANT1

1.1.2.2 802.11B_Channel 1

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2955.48	55.68	9.65	74.00	18.32	150	18	Horizontal
2	2983.99	44.03	9.52	54.00	9.97	150	348	Horizontal
3	4824.00	38.28	-18.21	54.00	15.72	150	238	Horizontal
4	4824.00	45.03	-18.21	74.00	28.97	150	264	Horizontal
5	7236.00	46.51	-9.99	74.00	27.49	150	38	Horizontal
6	7236.00	35.91	-9.99	54.00	18.09	150	342	Horizontal
7	17964.7	47.12	0.71	54.00	6.88	150	0	Horizontal

Final Data List

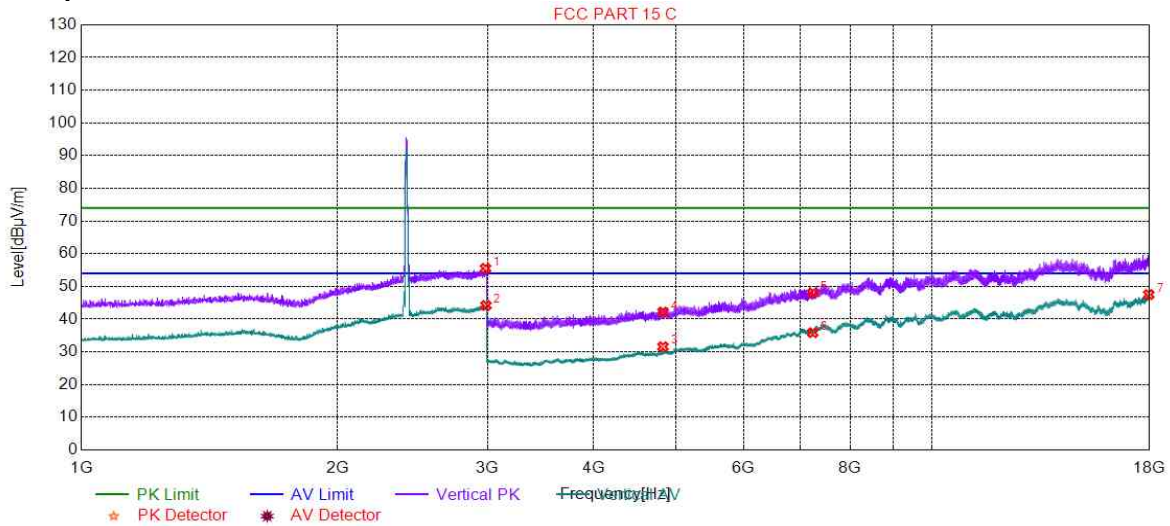


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1.1.2.3 802.11B_Channel 1

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2984.49	55.53	9.52	74.00	18.47	150	248	Vertical
2	2988.49	44.19	9.50	54.00	9.81	150	138	Vertical
3	4824.00	31.58	-18.21	54.00	22.42	150	293	Vertical
4	4824.00	42.20	-18.21	74.00	31.80	150	293	Vertical
5	7236.00	48.03	-9.99	74.00	25.97	150	138	Vertical
6	7236.00	35.88	-9.99	54.00	18.12	150	188	Vertical
7	17957.6	47.53	0.71	54.00	6.47	150	88	Vertical

Final Data List

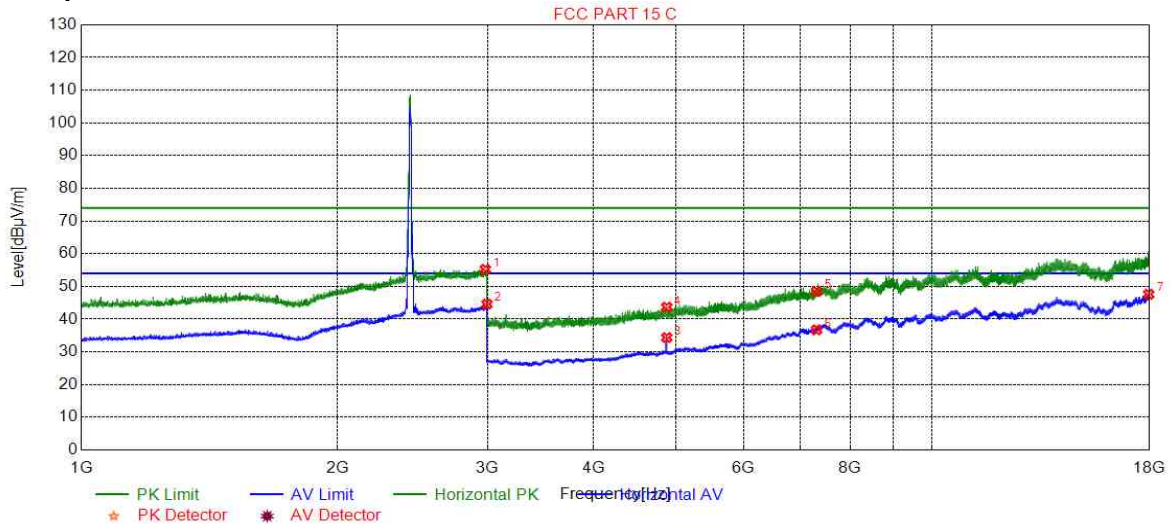


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1.1.2.4 802.11B_Channel 6

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2982.99	55.26	9.53	74.00	18.74	150	358	Horizontal
2	2996.49	44.62	9.47	54.00	9.38	150	238	Horizontal
3	4874.00	34.38	-17.99	54.00	19.62	150	238	Horizontal
4	4874.00	43.69	-17.99	74.00	30.31	150	18	Horizontal
5	7311.00	48.50	-9.74	74.00	25.50	150	90	Horizontal
6	7311.00	36.76	-9.74	54.00	17.24	150	190	Horizontal
7	17955.4	47.62	0.71	54.00	6.38	150	140	Horizontal

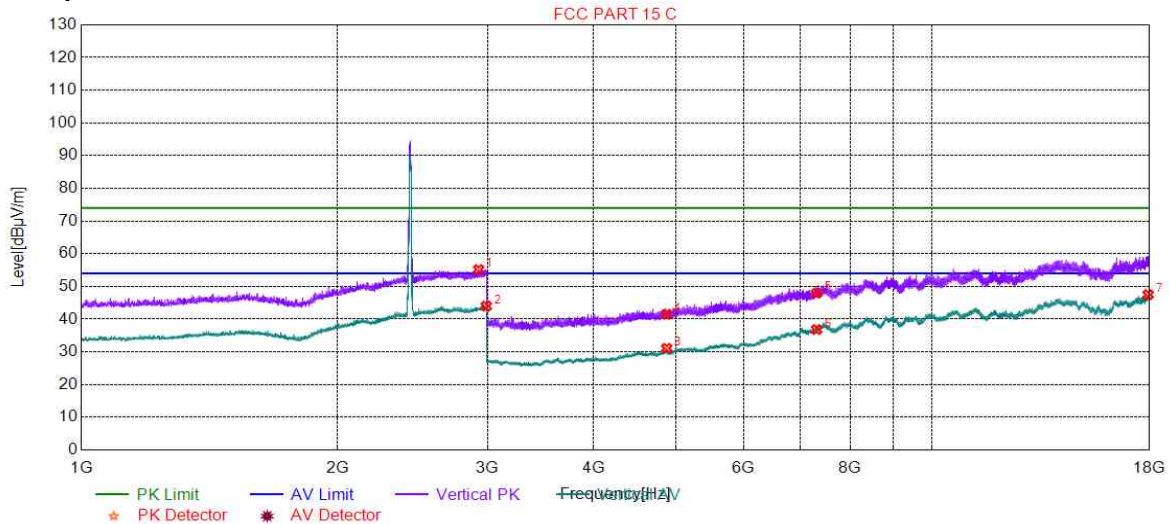
Final Data List



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1.1.2.5 802.11B_Channel 6

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2929.48	55.19	9.46	74.00	18.81	150	301	Vertical
2	2990.99	43.99	9.49	54.00	10.01	150	25	Vertical
3	4874.00	31.10	-17.99	54.00	22.90	150	293	Vertical
4	4874.00	41.47	-17.99	74.00	32.53	150	348	Vertical
5	7311.00	47.95	-9.74	74.00	26.05	150	188	Vertical
6	7311.00	36.85	-9.74	54.00	17.15	150	342	Vertical
7	17926.8	47.50	0.70	54.00	6.50	150	288	Vertical

Final Data List

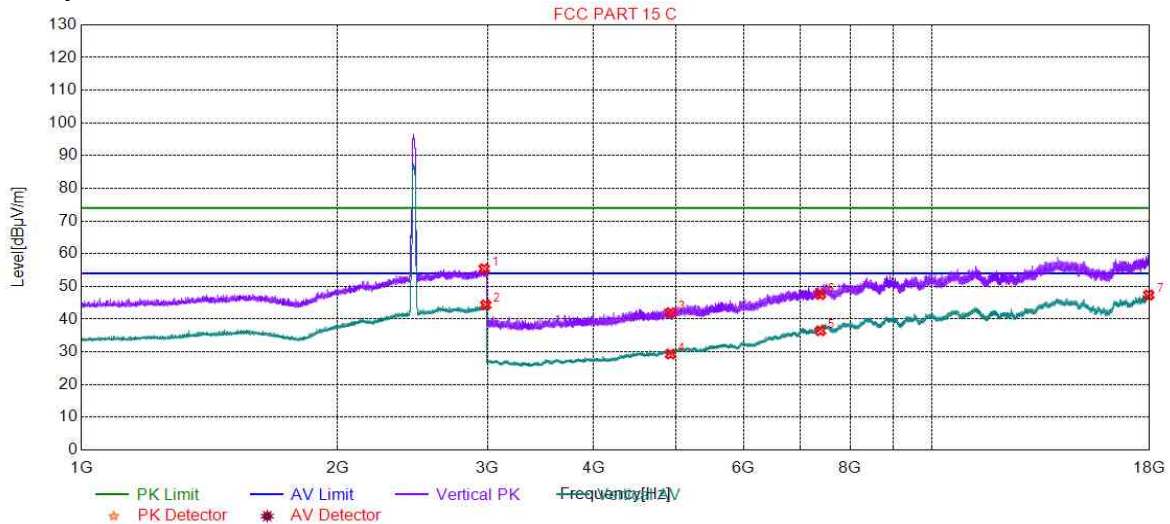


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1.1.2.6 802.11N20_Channel 11

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2973.49	55.45	9.57	74.00	18.55	150	287	Vertical
2	2986.49	44.38	9.51	54.00	9.62	150	1	Vertical
3	4924.00	42.01	-17.72	74.00	31.99	150	73	Vertical
4	4924.00	29.32	-17.72	54.00	24.68	150	210	Vertical
5	7386.00	36.46	-9.55	54.00	17.54	150	240	Vertical
6	7386.00	47.54	-9.55	74.00	26.46	150	90	Vertical
7	17957.0	47.40	0.71	54.00	6.60	150	40	Vertical

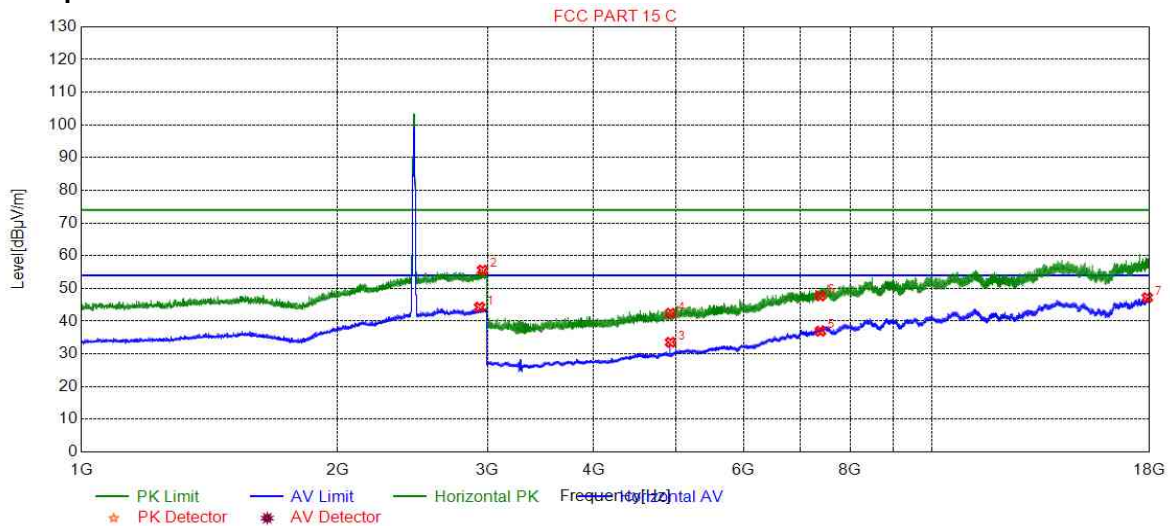
Final Data List



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1.1.2.7 802.11B_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	2937.48	44.28	9.54	54.00	9.72	150	183	Horizontal
2	2961.49	55.62	9.63	74.00	18.38	150	59	Horizontal
3	4924.00	33.55	-17.72	54.00	20.45	150	238	Horizontal
4	4924.00	42.43	-17.72	74.00	31.57	150	183	Horizontal
5	7386.00	36.93	-9.55	54.00	17.07	150	342	Horizontal
6	7386.00	47.73	-9.55	74.00	26.27	150	241	Horizontal
7	17883.3	47.22	0.47	54.00	6.78	150	92	Horizontal

Final Data List

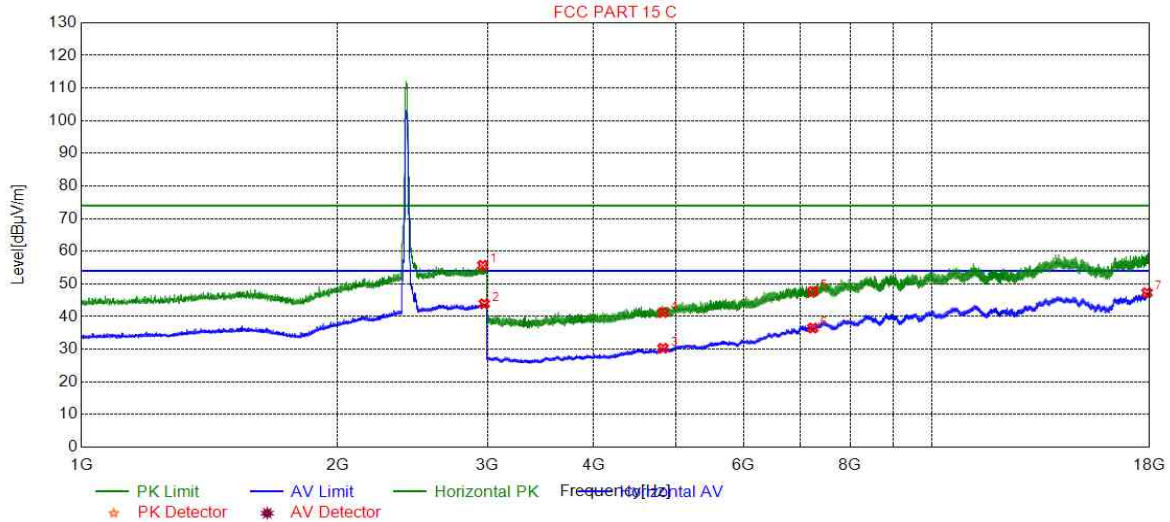


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1.1.2.8 802.11G_Channel 1

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2962.49	55.71	9.62	74.00	18.29	150	128	Horizontal
2	2973.99	43.93	9.57	54.00	10.07	150	197	Horizontal
3	4824.00	30.31	-18.21	54.00	23.69	150	238	Horizontal
4	4824.00	41.23	-18.21	74.00	32.77	150	210	Horizontal
5	7236.00	47.67	-9.99	74.00	26.33	150	140	Horizontal
6	7236.00	36.50	-9.99	54.00	17.50	150	140	Horizontal
7	17871.8	47.32	0.32	54.00	6.68	150	0	Horizontal

Final Data List

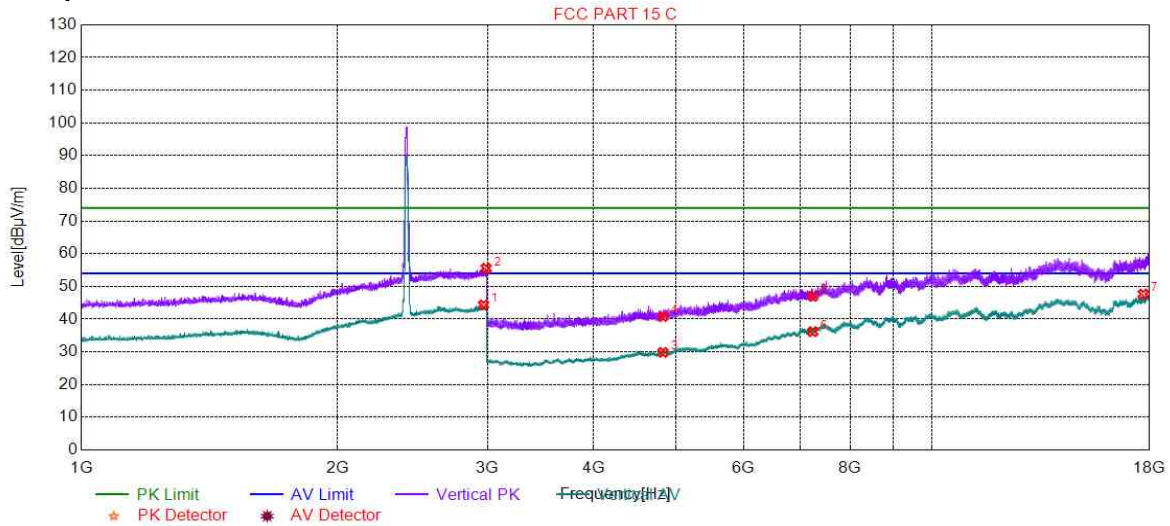


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1.1.2.9 802.11G_Channel 1

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2968.99	44.37	9.59	54.00	9.63	150	109	Vertical
2	2989.99	55.57	9.50	74.00	18.43	150	315	Vertical
3	4824.00	29.85	-18.21	54.00	24.15	150	100	Vertical
4	4824.00	40.83	-18.21	74.00	33.17	150	128	Vertical
5	7236.00	46.99	-9.99	74.00	27.01	150	141	Vertical
6	7236.00	36.18	-9.99	54.00	17.82	150	41	Vertical
7	17696.3	47.68	1.36	54.00	6.32	150	0	Vertical

Final Data List

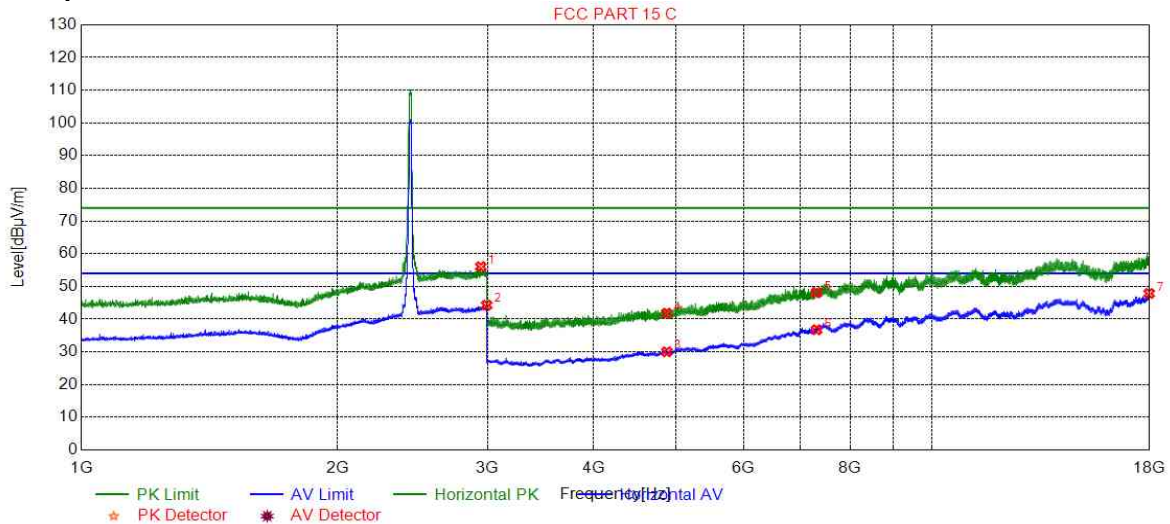


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1.1.2.10 802.11G_Channel 6

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2946.98	56.06	9.65	74.00	17.94	150	18	Horizontal
2	2993.99	44.30	9.48	54.00	9.70	150	127	Horizontal
3	4874.00	30.03	-17.99	54.00	23.97	150	127	Horizontal
4	4874.00	41.82	-17.99	74.00	32.18	150	264	Horizontal
5	7311.00	48.09	-9.74	74.00	25.91	150	41	Horizontal
6	7311.00	36.78	-9.74	54.00	17.22	150	41	Horizontal
7	17977.4	47.85	0.71	54.00	6.15	150	0	Horizontal

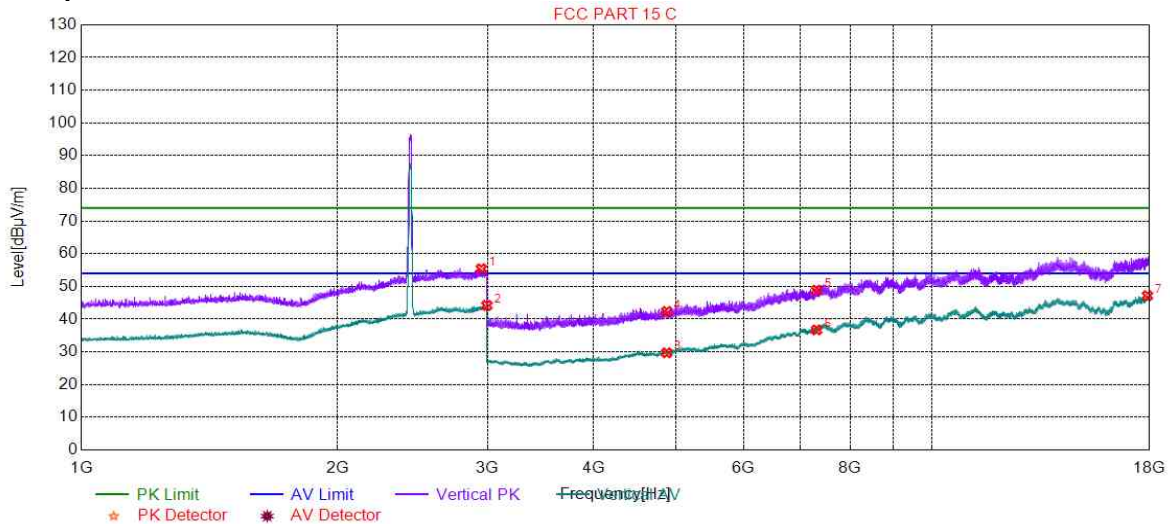
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1.1.2.11 802.11G_Channel 6

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2950.48	55.45	9.68	74.00	18.55	150	81	Vertical
2	2995.99	44.20	9.47	54.00	9.80	150	40	Vertical
3	4874.00	29.75	-17.99	54.00	24.25	150	100	Vertical
4	4874.00	42.38	-17.99	74.00	31.62	150	319	Vertical
5	7311.00	48.88	-9.74	74.00	25.12	150	92	Vertical
6	7311.00	36.73	-9.74	54.00	17.27	150	0	Vertical
7	17894.9	47.20	0.62	54.00	6.80	150	92	Vertical

Final Data List



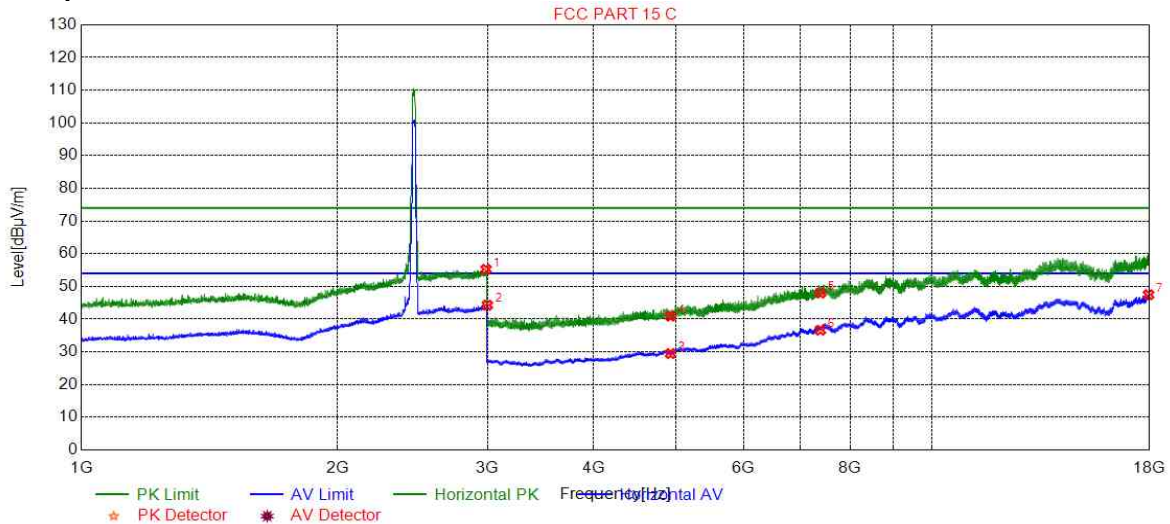
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1.1.2.12 802.11G_Channel 11

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2988.99	55.26	9.50	74.00	18.74	150	223	Horizontal
2	2999.49	44.30	9.45	54.00	9.70	150	306	Horizontal
3	4924.00	29.48	-17.72	54.00	24.52	150	158	Horizontal
4	4924.00	40.94	-17.72	74.00	33.06	150	18	Horizontal
5	7386.00	47.96	-9.55	74.00	26.04	150	291	Horizontal
6	7386.00	36.63	-9.55	54.00	17.37	150	291	Horizontal
7	17949.9	47.49	0.70	54.00	6.51	150	90	Horizontal

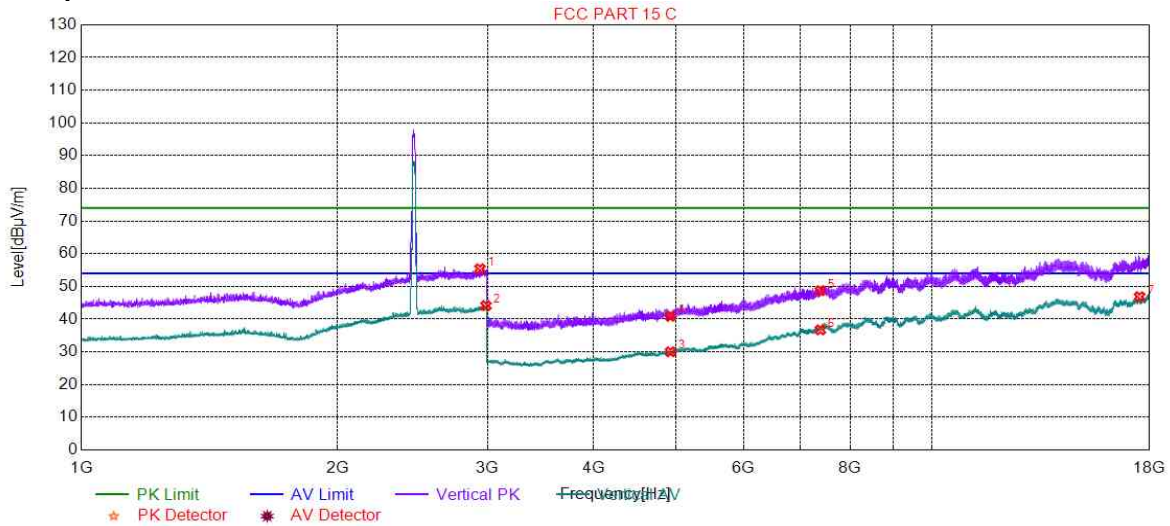
Final Data List



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1.1.2.13 802.11G_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	2940.48	55.42	9.58	74.00	18.58	150	149	Vertical
2	2988.49	44.14	9.50	54.00	9.86	150	67	Vertical
3	4924.00	30.02	-17.72	54.00	23.98	150	352	Vertical
4	4924.00	40.88	-17.72	74.00	33.12	150	243	Vertical
5	7386.00	48.71	-9.55	74.00	25.29	150	0	Vertical
6	7386.00	36.73	-9.55	54.00	17.27	150	0	Vertical
7	17517.0	46.89	0.99	54.00	7.11	150	342	Vertical

Final Data List



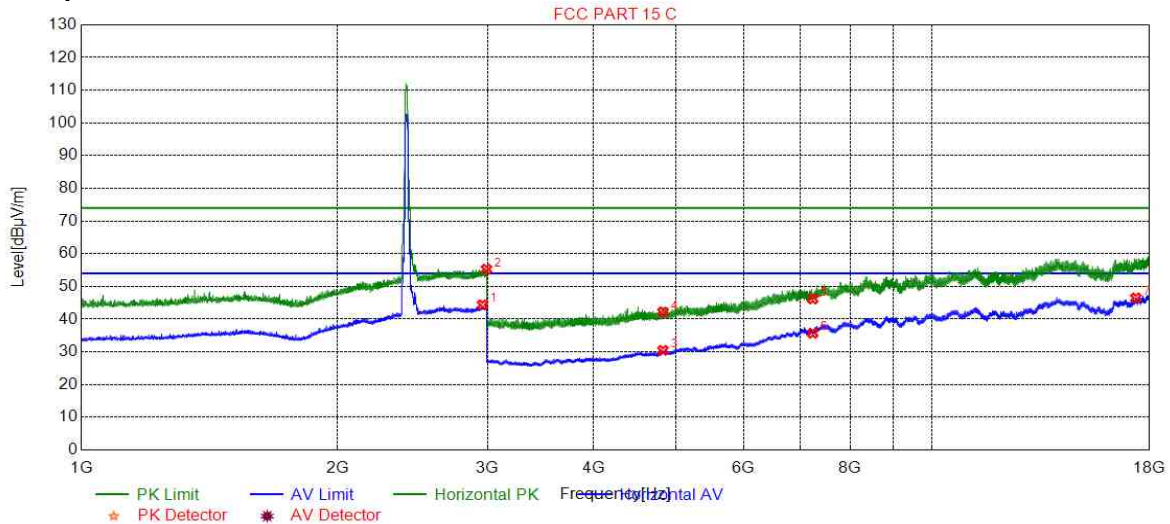
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1.1.2.14 802.11N20_Channel 1

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2960.49	44.41	9.63	54.00	9.59	150	249	Horizontal
2	2992.99	55.29	9.48	74.00	18.71	150	18	Horizontal
3	4824.00	30.47	-18.21	54.00	23.53	150	240	Horizontal
4	4824.00	42.19	-18.21	74.00	31.81	150	75	Horizontal
5	7236.00	46.19	-9.99	74.00	27.81	150	90	Horizontal
6	7236.00	35.71	-9.99	54.00	18.29	150	291	Horizontal
7	17341.6	46.50	-0.01	54.00	7.50	150	0	Horizontal

Final Data List

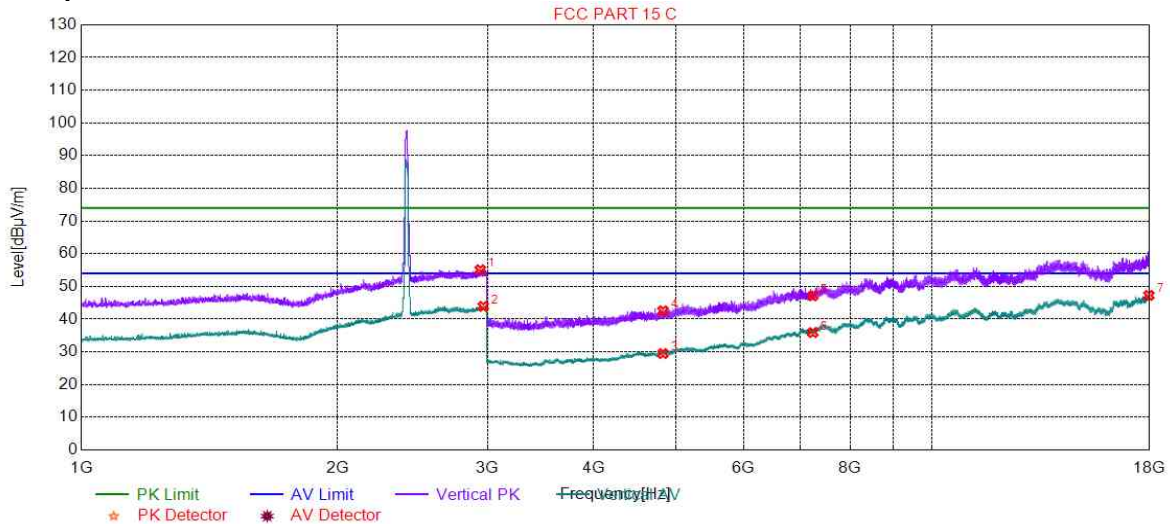


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1.1.2.15 802.11N20_Channel 1

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2942.48	55.12	9.60	74.00	18.88	150	80	Vertical
2	2966.49	43.92	9.60	54.00	10.08	150	122	Vertical
3	4824.00	29.50	-18.21	54.00	24.50	150	267	Vertical
4	4824.00	42.57	-18.21	74.00	31.43	150	267	Vertical
5	7236.00	47.16	-9.99	74.00	26.84	150	41	Vertical
6	7236.00	35.91	-9.99	54.00	18.09	150	92	Vertical
7	17964.2	47.27	0.71	54.00	6.73	150	292	Vertical

Final Data List

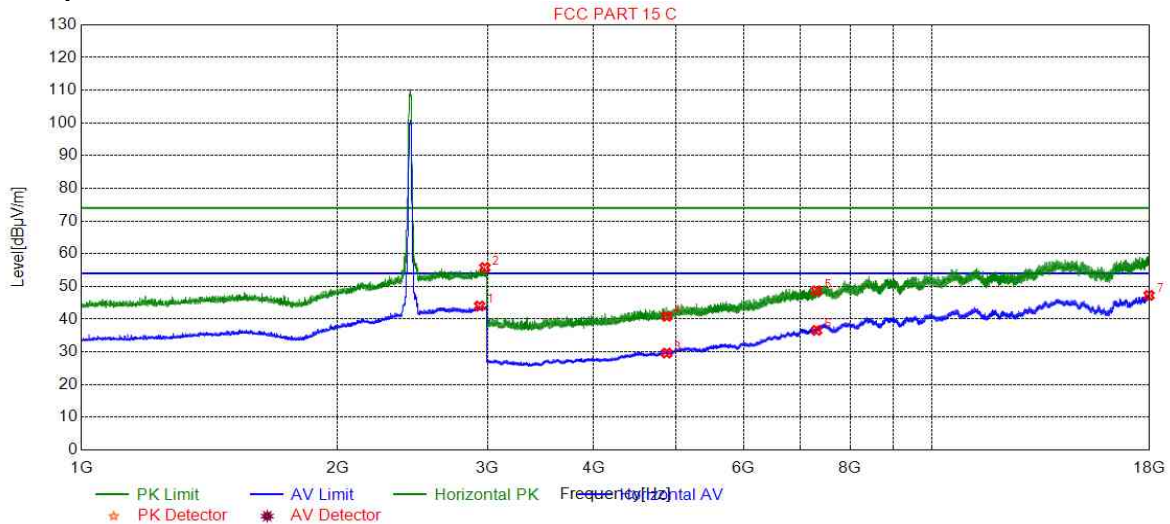


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1.1.2.16 802.11N20_Channel 6

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2937.48	44.04	9.54	54.00	9.96	150	44	Horizontal
2	2979.49	55.76	9.54	74.00	18.24	150	141	Horizontal
3	4874.00	29.64	-17.99	54.00	24.36	150	355	Horizontal
4	4874.00	40.88	-17.99	74.00	33.12	150	158	Horizontal
5	7311.00	48.68	-9.74	74.00	25.32	150	191	Horizontal
6	7311.00	36.57	-9.74	54.00	17.43	150	90	Horizontal
7	17971.3	47.27	0.71	54.00	6.73	150	0	Horizontal

Final Data List

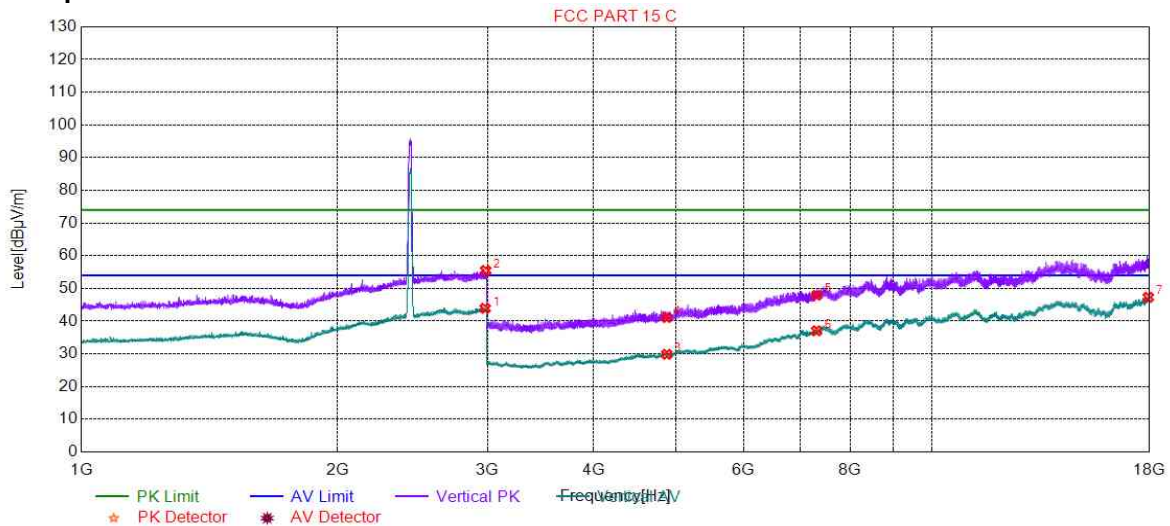


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1.1.2.17 802.11N20_Channel 6

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2981.49	43.94	9.54	54.00	10.06	150	260	Vertical
2	2985.99	55.50	9.51	74.00	18.50	150	1	Vertical
3	4874.00	29.88	-17.99	54.00	24.12	150	269	Vertical
4	4874.00	41.10	-17.99	74.00	32.90	150	269	Vertical
5	7311.00	47.92	-9.74	74.00	26.08	150	0	Vertical
6	7311.00	37.08	-9.74	54.00	16.92	150	142	Vertical
7	17933.9	47.30	0.70	54.00	6.70	150	40	Vertical

Final Data List

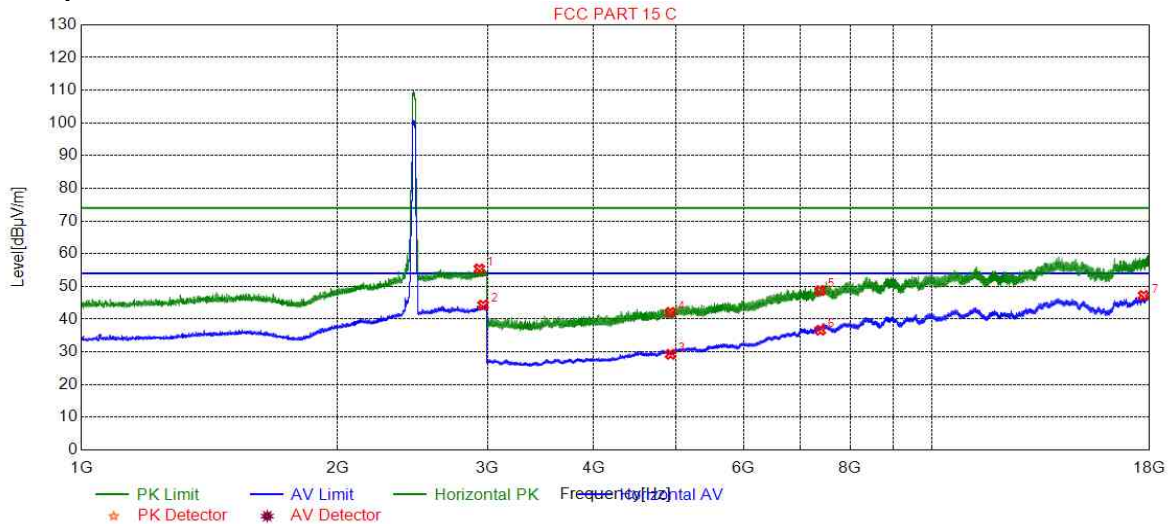


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1.1.2.18 802.11N20_Channel 11

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2935.48	55.40	9.52	74.00	18.60	150	320	Horizontal
2	2964.99	44.29	9.61	54.00	9.71	150	18	Horizontal
3	4924.00	29.27	-17.72	54.00	24.73	150	265	Horizontal
4	4924.00	42.10	-17.72	74.00	31.90	150	128	Horizontal
5	7386.00	48.75	-9.55	74.00	25.25	150	190	Horizontal
6	7386.00	36.63	-9.55	54.00	17.37	150	240	Horizontal
7	17708.4	47.24	1.19	54.00	6.76	150	90	Horizontal

Final Data List



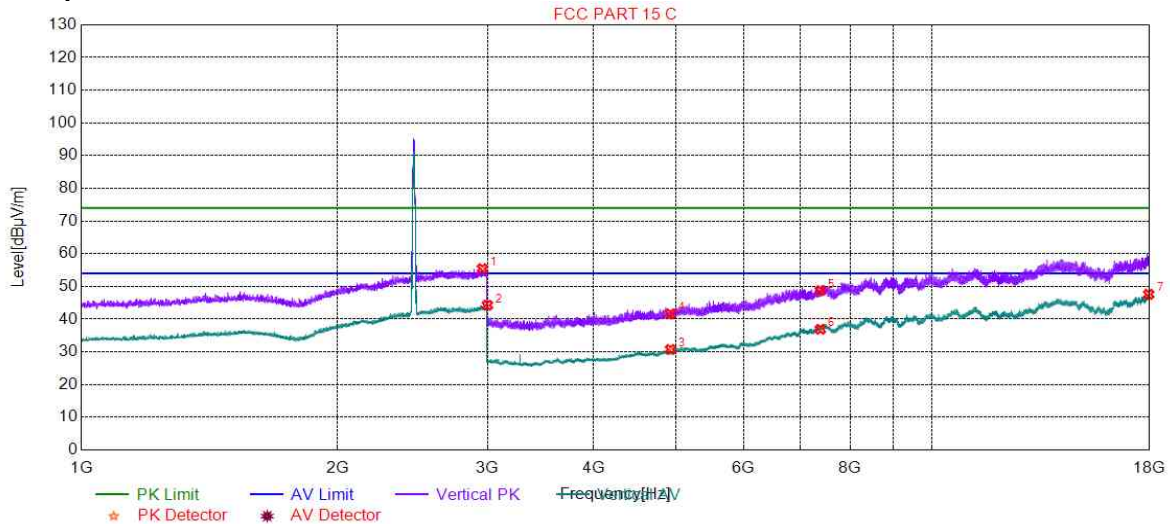
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1.1.2.19 802.11N20_Channel 11

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2959.48	55.47	9.64	74.00	18.53	150	205	Vertical
2	3000.00	44.27	9.45	54.00	9.73	150	13	Vertical
3	4924.00	30.76	-17.72	54.00	23.24	150	293	Vertical
4	4924.00	41.62	-17.72	74.00	32.38	150	45	Vertical
5	7386.00	48.73	-9.55	74.00	25.27	150	292	Vertical
6	7386.00	36.92	-9.55	54.00	17.08	150	91	Vertical
7	17954.8	47.61	0.71	54.00	6.39	150	292	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.

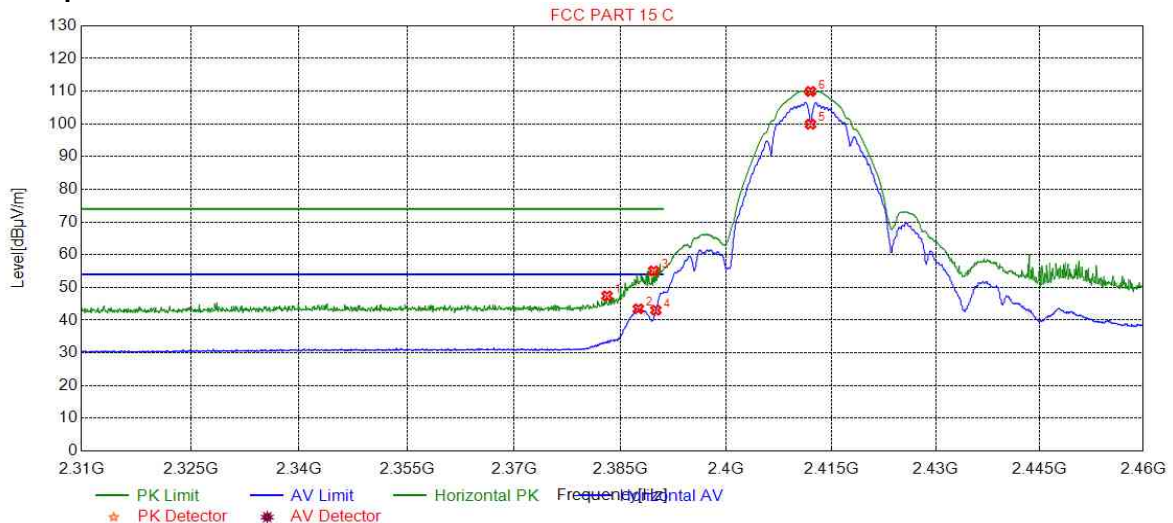


1.2 Restricted bands around fundamental frequency

1.2.1 ANT1

1.2.1.1 802.11B_Channel 1

Test Graph



Suspected List

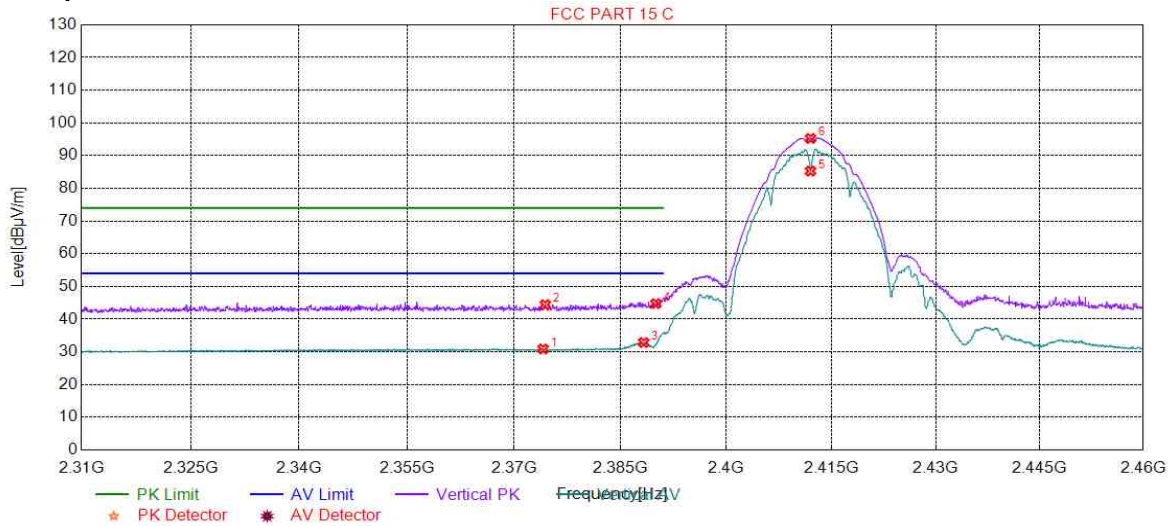
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2383.08	47.43	7.78	74.00	26.57	150	213	Horizontal
2	2387.51	43.48	7.77	54.00	10.52	150	207	Horizontal
3	2389.68	55.05	7.77	74.00	18.95	150	218	Horizontal
4	2390.00	43.05	7.77	54.00	10.95	150	207	Horizontal
5	2412.00	99.92	7.81	0.00	-99.92	150	207	Horizontal
6	2412.00	109.93	7.81	0.00	-109.93	150	213	Horizontal

Final Data List



1.2.1.2 802.11B_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	2374.08	30.89	7.79	54.00	23.11	150	1	Vertical
2	2374.38	44.44	7.79	74.00	29.56	150	325	Vertical
3	2388.26	32.87	7.77	54.00	21.13	150	4	Vertical
4	2390.00	44.78	7.77	74.00	29.22	150	159	Vertical
5	2412.00	85.29	7.81	0.00	-85.29	150	55	Vertical
6	2412.00	95.27	7.81	0.00	-95.27	150	55	Vertical

Final Data List



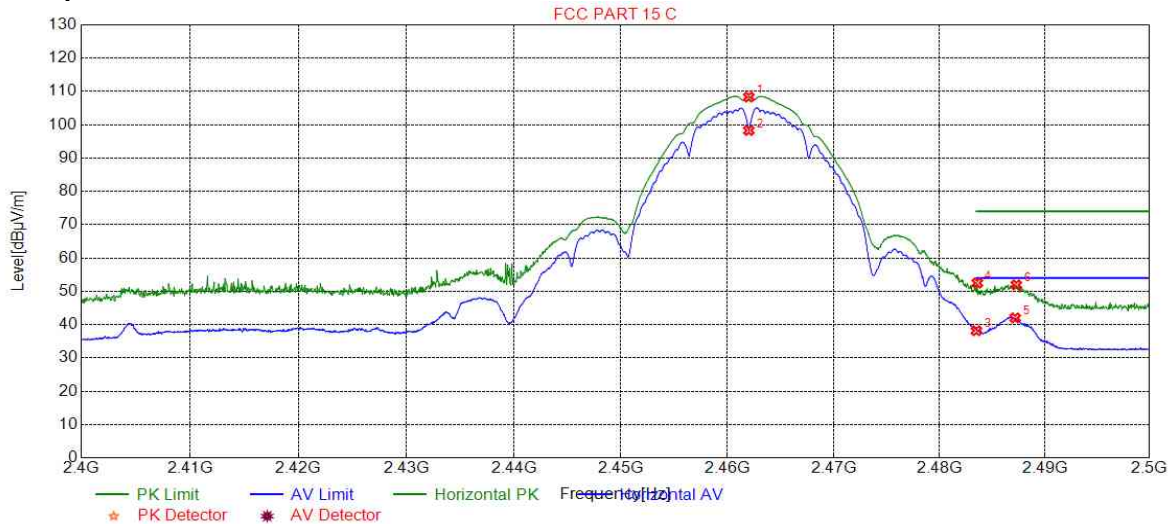
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1.2.1.3 802.11B_Channel 11

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	108.32	7.98	0.00	-108.32	150	216	Horizontal
2	2462.00	98.29	7.98	0.00	-98.29	150	211	Horizontal
3	2483.50	38.18	8.01	54.00	15.82	150	205	Horizontal
4	2483.59	52.51	8.01	74.00	21.49	150	211	Horizontal
5	2487.19	42.03	8.01	54.00	11.97	150	211	Horizontal
6	2487.29	51.94	8.01	74.00	22.06	150	216	Horizontal

Final Data List



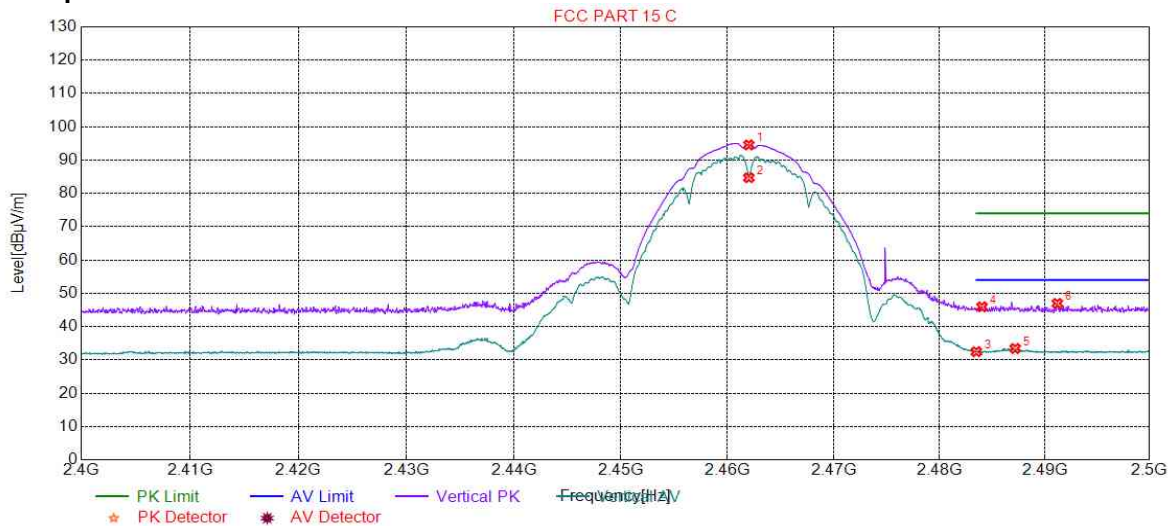
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1.2.1.4 802.11B_Channel 11

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	94.54	7.98	0.00	-94.54	150	276	Vertical
2	2462.00	84.71	7.98	0.00	-84.71	150	276	Vertical
3	2483.50	32.50	8.01	54.00	21.50	150	62	Vertical
4	2484.04	45.96	8.01	74.00	28.04	150	287	Vertical
5	2487.19	33.45	8.01	54.00	20.55	150	36	Vertical
6	2491.19	46.99	8.02	74.00	27.01	150	40	Vertical

Final Data List

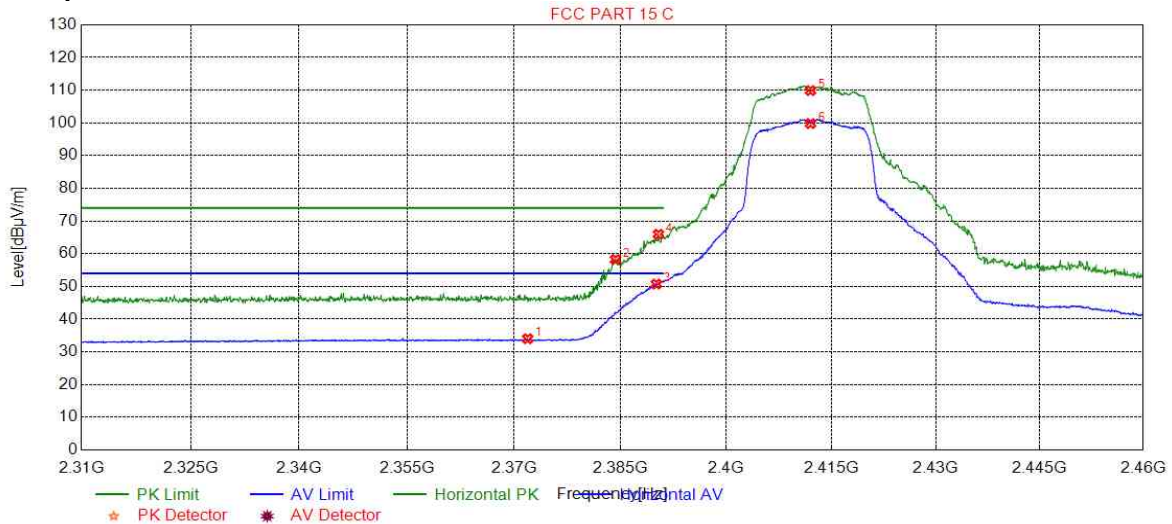


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1.2.1.5 802.11G_Channel 1 18

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2371.90	34.03	7.79	54.00	19.97	150	223	Horizontal
2	2384.28	58.25	7.78	74.00	15.75	150	229	Horizontal
3	2390.06	50.74	7.77	54.00	3.26	150	223	Horizontal
4	2390.36	65.96	7.77	74.00	8.04	150	218	Horizontal
5	2412.00	109.90	7.81	0.00	-109.90	150	223	Horizontal
6	2412.00	99.82	7.81	0.00	-99.82	150	218	Horizontal

Final Data List

1.2.1.6



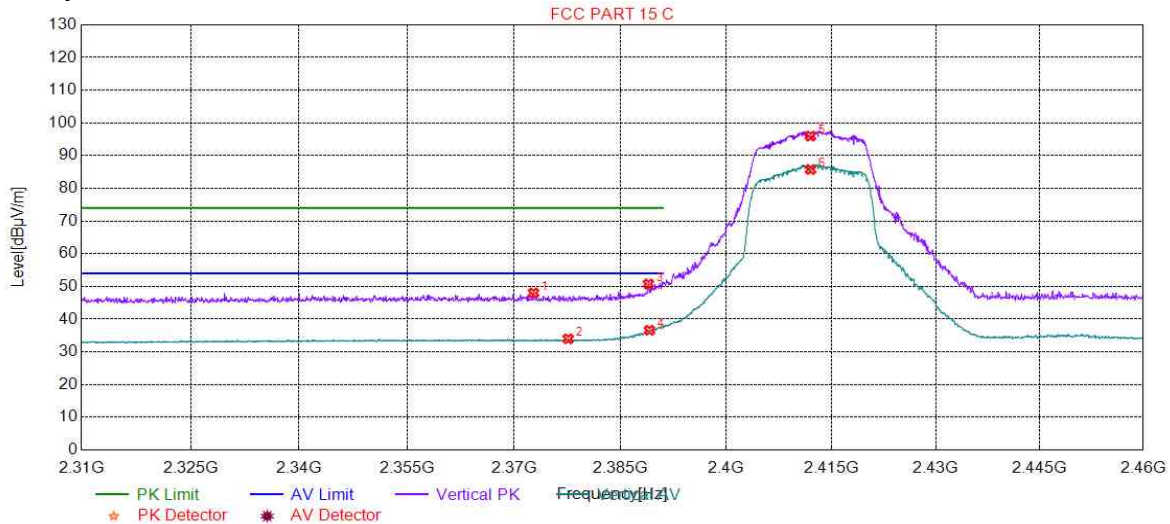
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1.2.1.7 802.11G_Channel 1

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2372.73	48.04	7.79	74.00	25.96	150	297	Vertical
2	2377.60	33.99	7.78	54.00	20.01	150	69	Vertical
3	2388.93	50.77	7.77	74.00	23.23	150	275	Vertical
4	2389.08	36.60	7.77	54.00	17.40	150	335	Vertical
5	2412.00	95.98	7.81	0.00	-95.98	150	330	Vertical
6	2412.00	85.79	7.81	0.00	-85.79	150	335	Vertical

Final Data List



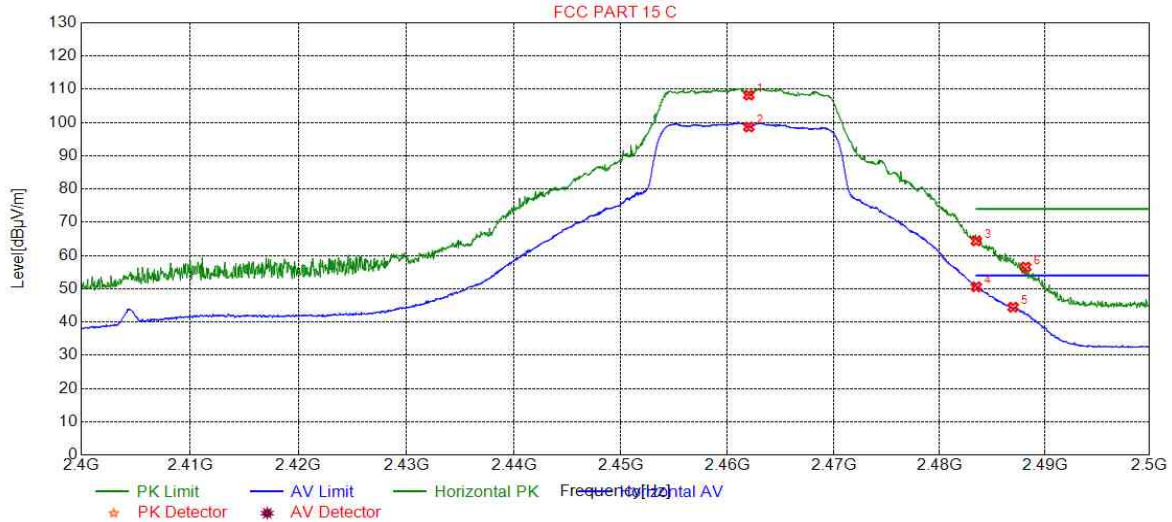
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1.2.1.8 802.11G_Channel 11

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	108.24	7.98	0.00	-108.24	150	221	Horizontal
2	2462.00	98.66	7.98	0.00	-98.66	150	221	Horizontal
3	2483.50	64.39	8.01	74.00	9.61	150	215	Horizontal
4	2483.50	50.61	8.01	54.00	3.39	150	215	Horizontal
5	2486.99	44.48	8.01	54.00	9.52	150	221	Horizontal
6	2488.19	56.55	8.02	74.00	17.45	150	215	Horizontal

Final Data List

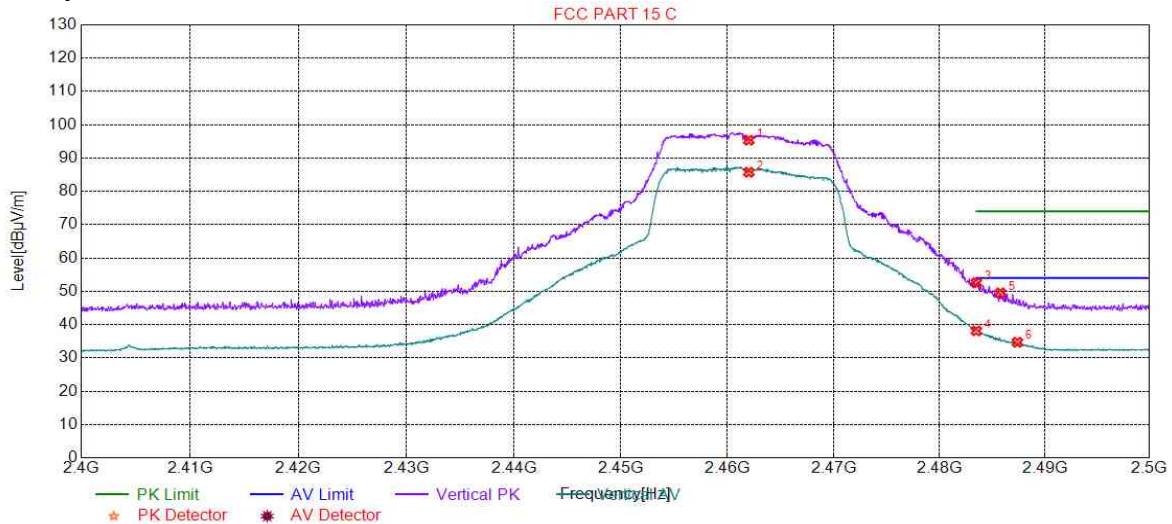


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1.2.1.9 802.11G_Channel 11

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	95.37	7.98	0.00	-95.37	150	275	Vertical
2	2462.00	85.76	7.98	0.00	-85.76	150	275	Vertical
3	2483.50	52.57	8.01	74.00	21.43	150	27	Vertical
4	2483.50	38.14	8.01	54.00	15.86	150	27	Vertical
5	2485.79	49.53	8.01	74.00	24.47	150	326	Vertical
6	2487.39	34.72	8.01	54.00	19.28	150	331	Vertical

Final Data List

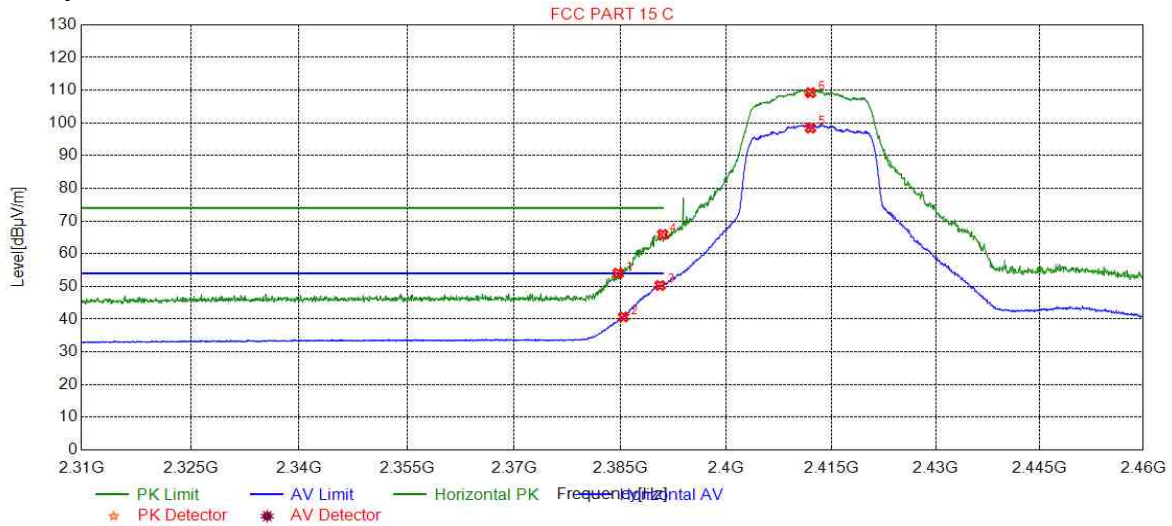


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1.2.1.10 802.11N20_Channel 1

Test Graph



Suspected List

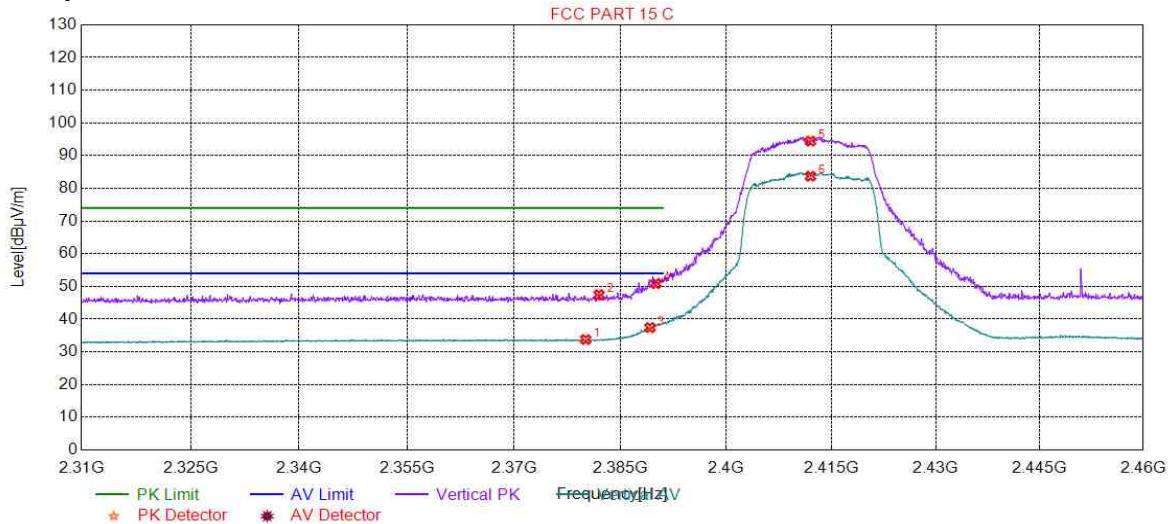
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2384.66	54.06	7.78	74.00	19.94	150	220	Horizontal
2	2385.41	40.71	7.77	54.00	13.29	150	226	Horizontal
3	2390.59	50.30	7.77	54.00	3.70	150	220	Horizontal
4	2390.96	65.93	7.77	74.00	8.07	150	226	Horizontal
5	2412.00	98.43	7.81	0.00	-98.43	150	220	Horizontal
6	2412.00	109.24	7.81	0.00	-109.24	150	220	Horizontal

Final Data List



1.2.1.11 802.11N20_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	2380.08	33.78	7.78	54.00	20.22	150	325	Vertical
2	2381.96	47.51	7.78	74.00	26.49	150	210	Vertical
3	2389.16	37.43	7.77	54.00	16.57	150	275	Vertical
4	2390.00	50.87	7.77	74.00	23.13	150	30	Vertical
5	2412.00	94.44	7.81	0.00	-94.44	150	275	Vertical
6	2412.00	83.71	7.81	0.00	-83.71	150	275	Vertical

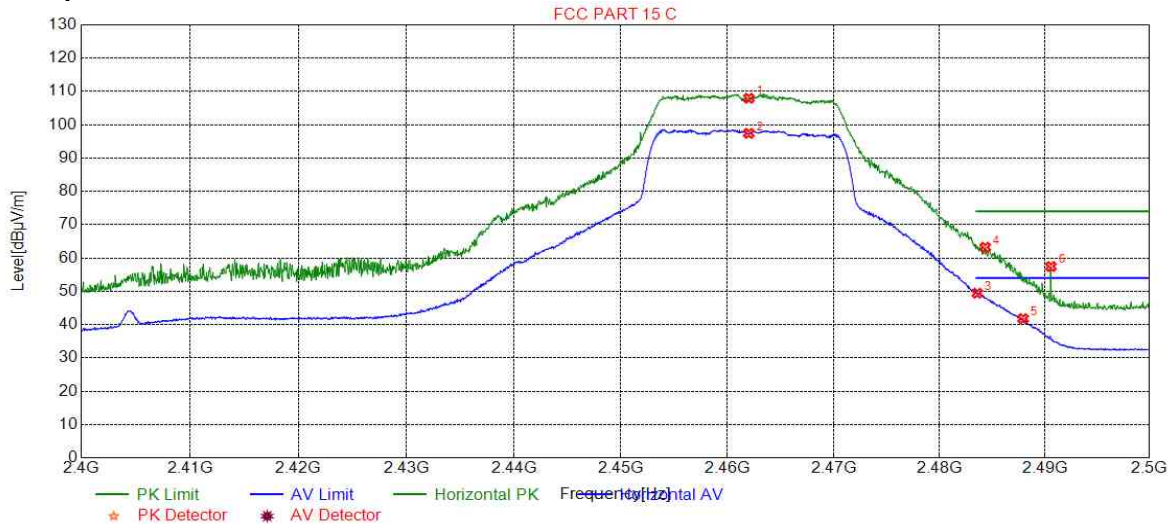
Final Data List



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1.2.1.12 802.11N20_Channel 11

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2462.00	107.96	7.98	0.00	-107.96	150	215	Horizontal
2	2462.00	97.42	7.98	0.00	-97.42	150	220	Horizontal
3	2483.59	49.44	8.01	54.00	4.56	150	220	Horizontal
4	2484.34	63.23	8.01	74.00	10.77	150	215	Horizontal
5	2487.94	41.81	8.02	54.00	12.19	150	220	Horizontal
6	2490.59	57.46	8.02	74.00	16.54	150	276	Horizontal

Final Data List

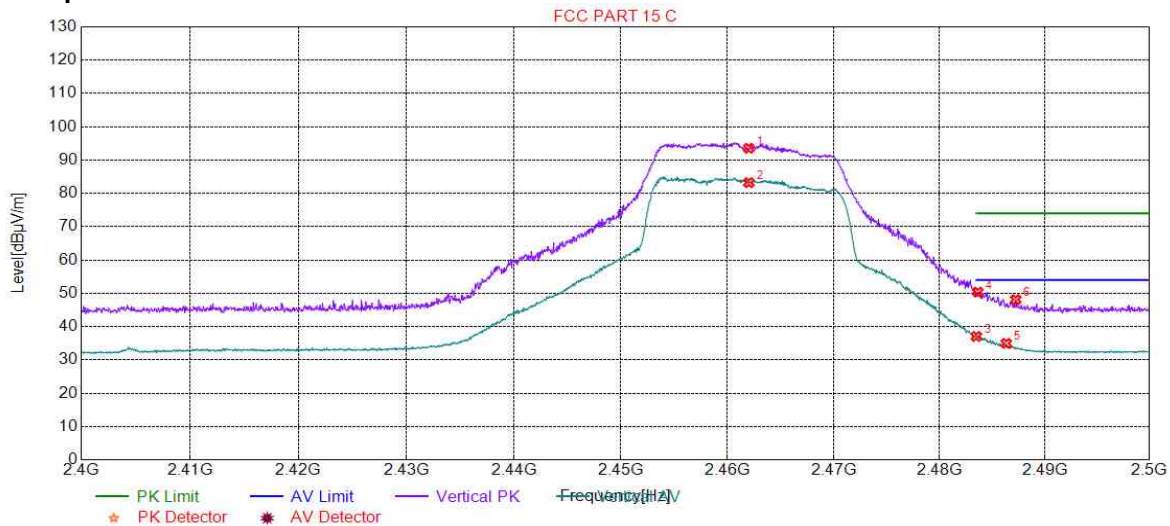


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1.2.1.13 802.11N20_Channel 11

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2462.00	93.56	7.98	0.00	-93.56	150	275	Vertical
2	2462.00	83.23	7.98	0.00	-83.23	150	275	Vertical
3	2483.50	37.07	8.01	54.00	16.93	150	27	Vertical
4	2483.64	50.38	8.01	74.00	23.62	150	27	Vertical
5	2486.34	34.98	8.01	54.00	19.02	150	27	Vertical
6	2487.24	48.13	8.01	74.00	25.87	150	330	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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