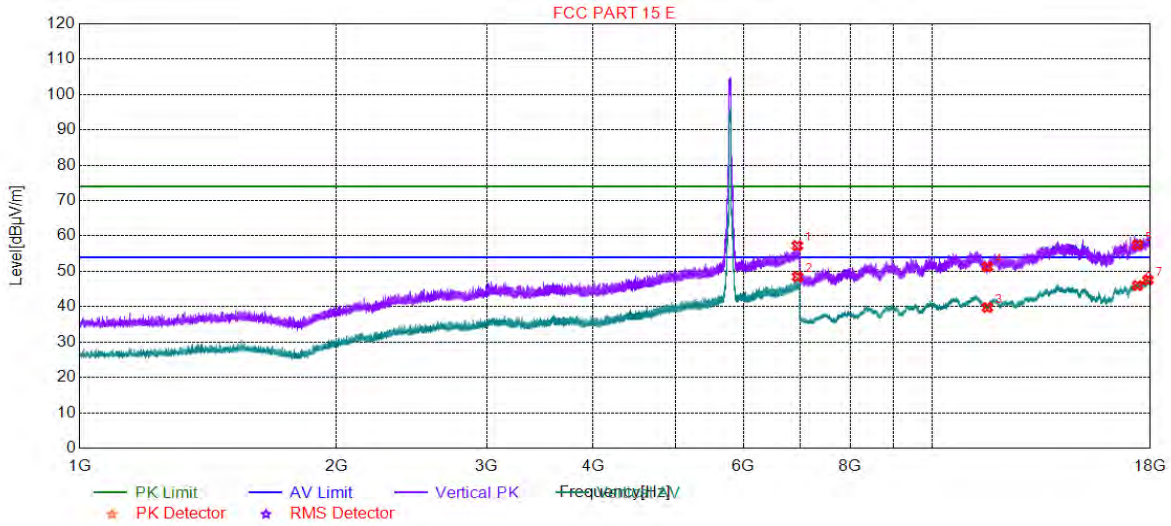
4.9.2.151 11AX40_159_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6938.4969	57.26	21.15	74.00	16.74	150	323	Vertical
2	6944.4972	48.48	21.21	54.00	5.52	150	360	Vertical
3	11590.000	39.77	-2.50	54.00	14.23	150	18	Vertical
4	11590.000	51.24	-2.50	74.00	22.76	150	218	Vertical
5	17385.000	57.51	1.21	74.00	16.49	150	268	Vertical
6	17385.000	45.99	1.21	54.00	8.01	150	18	Vertical
7	17876.243	47.54	1.38	54.00	6.46	150	168	Vertical

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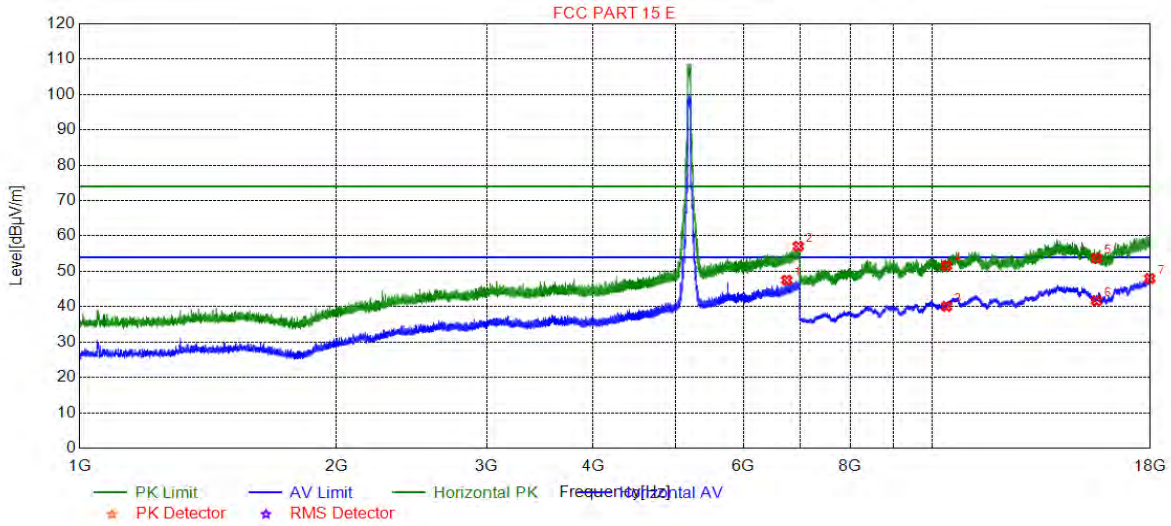
4.9.2.152 11AX40_38_Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6744.6872	47.51	20.55	54.00	6.49	150	192	Horizontal
2	6958.8979	57.08	21.26	74.00	16.92	150	42	Horizontal
3	10380.000	40.09	-3.60	54.00	13.91	150	143	Horizontal
4	10380.000	51.59	-3.60	74.00	22.41	150	1	Horizontal
5	15570.000	53.72	0.29	74.00	20.28	150	242	Horizontal
6	15570.000	41.65	0.29	54.00	12.35	150	193	Horizontal
7	17963.698	47.97	1.71	54.00	6.03	150	242	Horizontal

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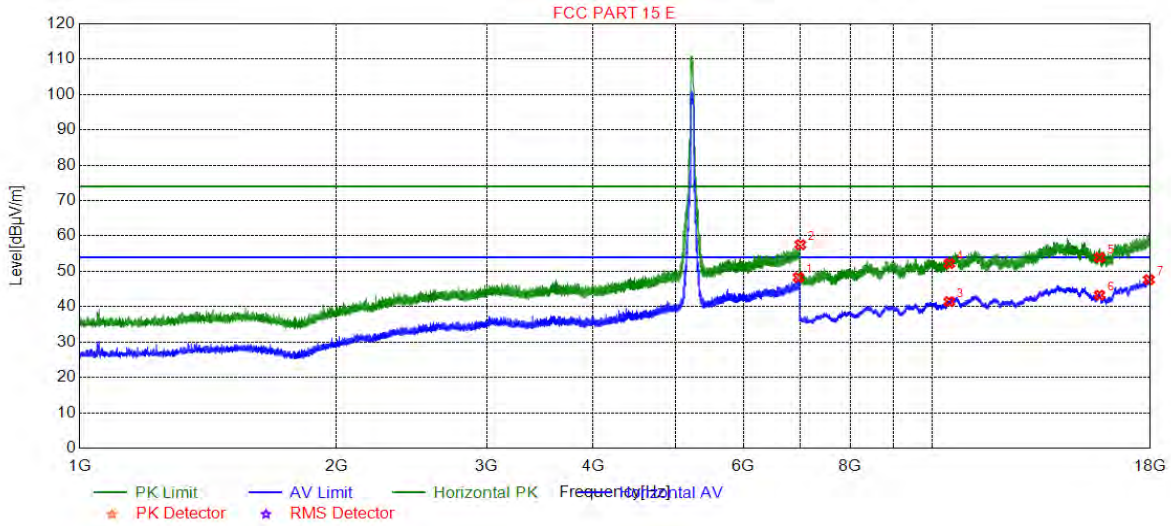
4.9.2.153 11AX40_46_Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6960.9981	48.26	21.26	54.00	5.74	150	39	Horizontal
2	6998.1999	57.54	21.27	74.00	16.46	150	190	Horizontal
3	10460.000	41.45	-3.09	54.00	12.55	150	342	Horizontal
4	10460.000	52.21	-3.09	74.00	21.79	150	142	Horizontal
5	15690.000	53.90	0.58	74.00	20.10	150	342	Horizontal
6	15690.000	43.28	0.58	54.00	10.72	150	292	Horizontal
7	17925.746	47.66	1.70	54.00	6.34	150	142	Horizontal

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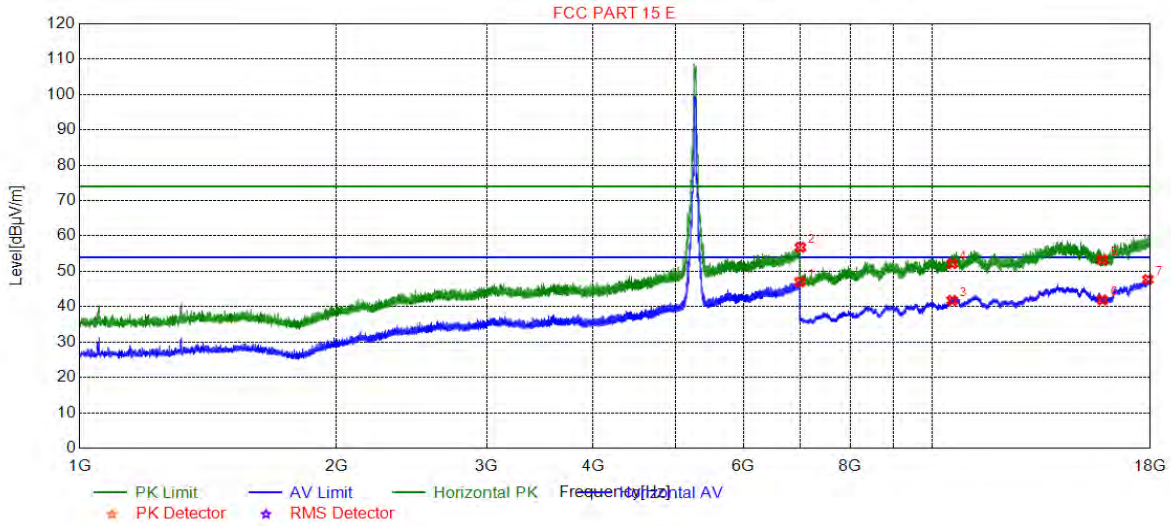
4.9.2.154 11AX40_62_Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6990.9996	47.02	21.27	54.00	6.98	150	342	Horizontal
2	6998.4999	56.81	21.27	74.00	17.19	150	88	Horizontal
3	10540.000	41.78	-2.81	54.00	12.22	150	342	Horizontal
4	10540.000	52.17	-2.81	74.00	21.83	150	42	Horizontal
5	15810.000	53.24	-0.99	74.00	20.76	150	42	Horizontal
6	15810.000	41.94	-0.99	54.00	12.06	150	342	Horizontal
7	17872.943	47.70	1.33	54.00	6.30	150	143	Horizontal

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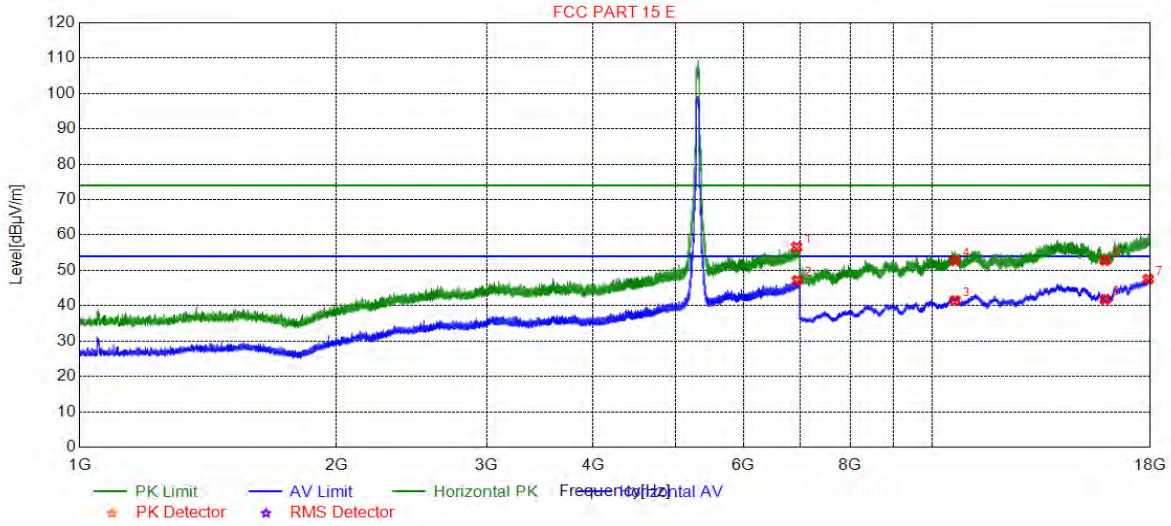
4.9.2.155 11AX40_46_Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6925.8963	56.59	21.04	74.00	17.41	150	1	Horizontal
2	6937.2969	47.11	21.14	54.00	6.89	150	93	Horizontal
3	10620.000	41.49	-2.85	54.00	12.51	150	342	Horizontal
4	10620.000	52.73	-2.85	74.00	21.27	150	93	Horizontal
5	15930.000	52.83	-0.56	74.00	21.17	150	242	Horizontal
6	15930.000	41.80	-0.56	54.00	12.20	150	242	Horizontal
7	17894.394	47.52	1.62	54.00	6.48	150	43	Horizontal

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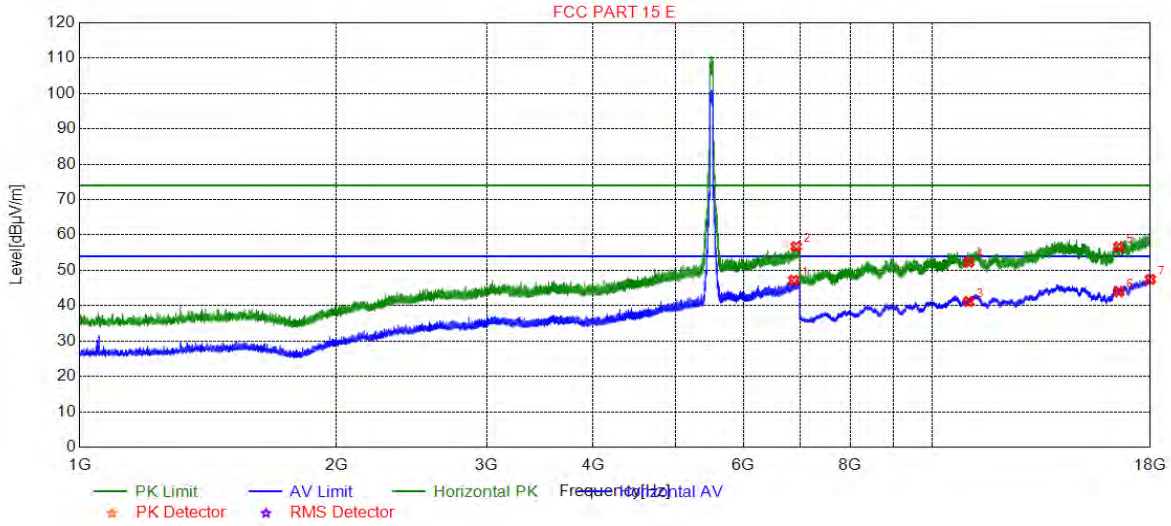
4.9.2.156 11AX40_102_Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6874.5937	47.16	20.85	54.00	6.84	150	41	Horizontal
2	6917.4959	56.73	20.97	74.00	17.27	150	41	Horizontal
3	11020.000	41.18	-2.19	54.00	12.82	150	143	Horizontal
4	11020.000	52.31	-2.19	74.00	21.69	150	43	Horizontal
5	16530.000	56.63	0.29	74.00	17.37	150	43	Horizontal
6	16530.000	43.99	0.29	54.00	10.01	150	0	Horizontal
7	17991.199	47.45	1.72	54.00	6.55	150	342	Horizontal

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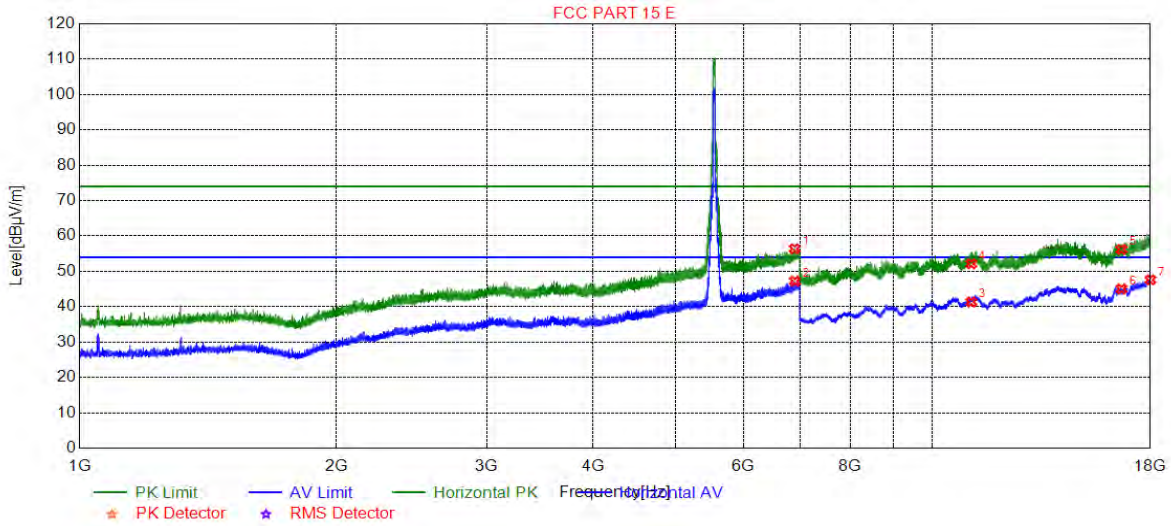
4.9.2.157 11AX40_110_Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6889.2945	56.39	20.83	74.00	17.61	150	241	Horizontal
2	6893.7947	47.23	20.82	54.00	6.77	150	191	Horizontal
3	11100.000	41.33	-2.25	54.00	12.67	150	43	Horizontal
4	11100.000	52.13	-2.25	74.00	21.87	150	242	Horizontal
5	16650.000	56.20	0.40	74.00	17.80	150	192	Horizontal
6	16650.000	45.02	0.40	54.00	8.98	150	292	Horizontal
7	18000.000	47.61	1.72	54.00	6.39	150	143	Horizontal

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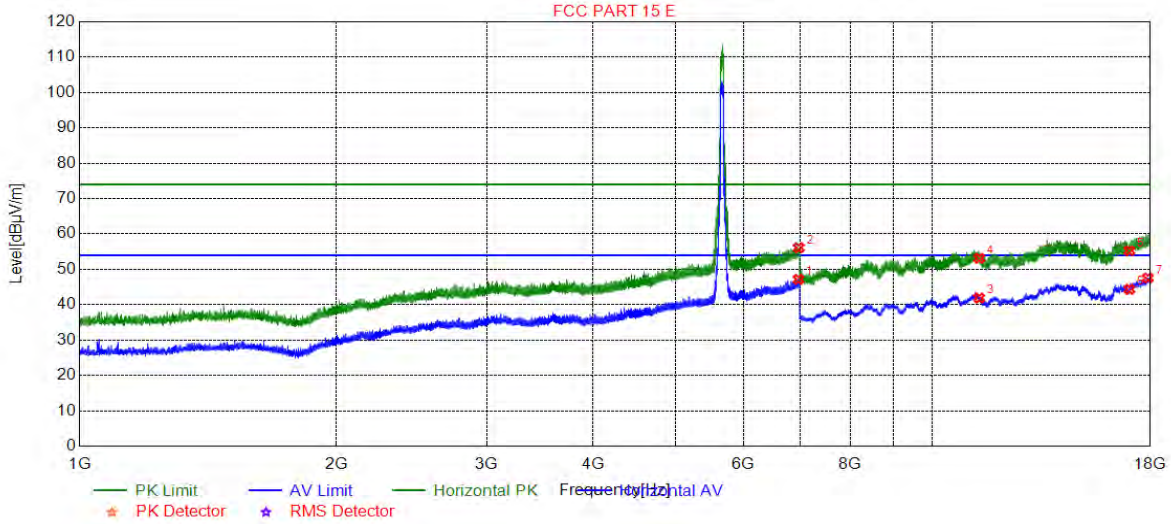
4.9.2.158 11AX40_134_Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6961.8981	47.16	21.26	54.00	6.84	150	292	Horizontal
2	6967.2984	56.12	21.26	74.00	17.88	150	89	Horizontal
3	11340.000	41.88	-2.22	54.00	12.12	150	241	Horizontal
4	11340.000	53.13	-2.22	74.00	20.87	150	291	Horizontal
5	17010.000	55.28	0.68	74.00	18.72	150	0	Horizontal
6	17010.000	44.35	0.68	54.00	9.65	150	191	Horizontal
7	17879.544	47.59	1.42	54.00	6.41	150	342	Horizontal

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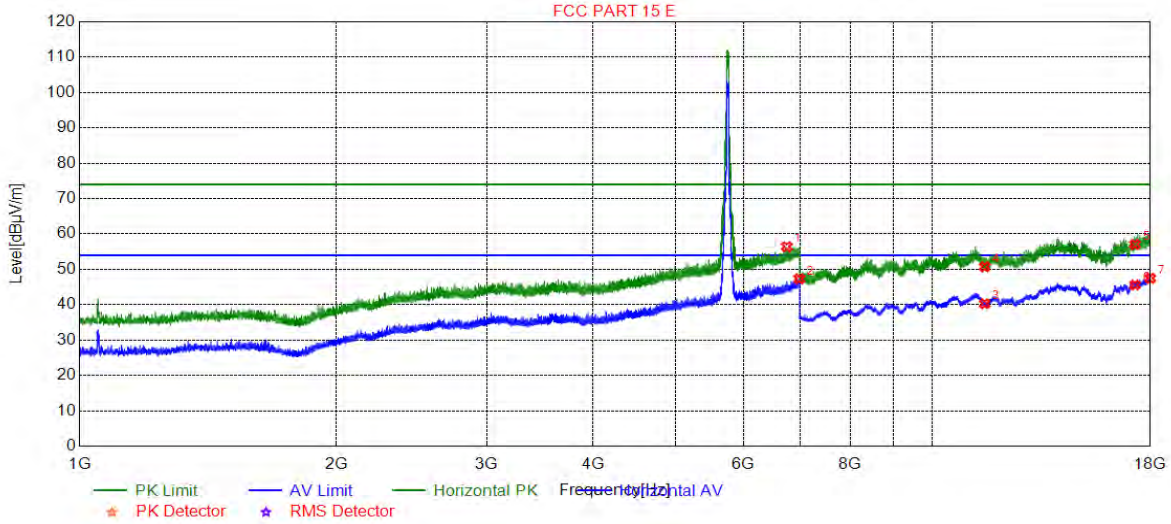
4.9.2.159 11AX40_151_Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6743.7872	56.42	20.53	74.00	17.58	150	342	Horizontal
2	6975.0988	47.31	21.26	54.00	6.69	150	242	Horizontal
3	11510.000	40.28	-2.07	54.00	13.72	150	193	Horizontal
4	11510.000	50.72	-2.07	74.00	23.28	150	292	Horizontal
5	17265.000	57.06	0.54	74.00	16.94	150	243	Horizontal
6	17265.000	45.58	0.54	54.00	8.42	150	1	Horizontal
7	17991.199	47.45	1.72	54.00	6.55	150	44	Horizontal

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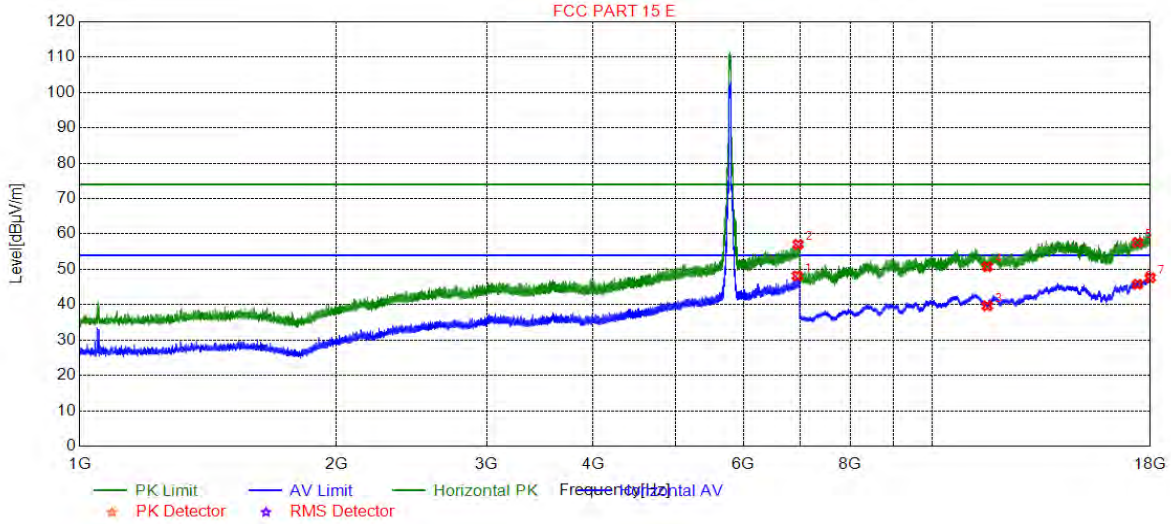
4.9.2.160 11AX40_159_Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6938.7969	48.18	21.16	54.00	5.82	150	191	Horizontal
2	6953.4977	57.06	21.26	74.00	16.94	150	242	Horizontal
3	11590.000	39.66	-2.50	54.00	14.34	150	290	Horizontal
4	11590.000	50.71	-2.50	74.00	23.29	150	0	Horizontal
5	17385.000	57.59	1.21	74.00	16.41	150	240	Horizontal
6	17385.000	45.77	1.21	54.00	8.23	150	41	Horizontal
7	17990.099	47.62	1.72	54.00	6.38	150	140	Horizontal

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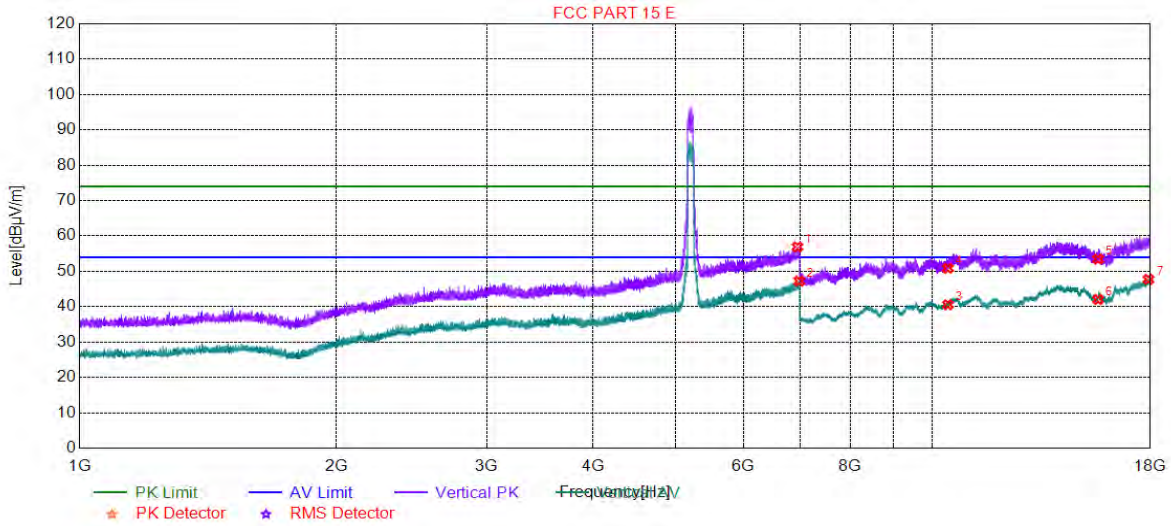
4.9.2.161 11AX80_42_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6942.0971	56.92	21.18	74.00	17.08	150	342	Vertical
2	6975.9988	47.24	21.26	54.00	6.76	150	342	Vertical
3	10420.000	40.58	-3.40	54.00	13.42	150	192	Vertical
4	10420.000	50.87	-3.40	74.00	23.13	150	42	Vertical
5	15630.000	53.43	0.28	74.00	20.57	150	0	Vertical
6	15630.000	42.03	0.28	54.00	11.97	150	192	Vertical
7	17908.145	47.76	1.69	54.00	6.24	150	42	Vertical

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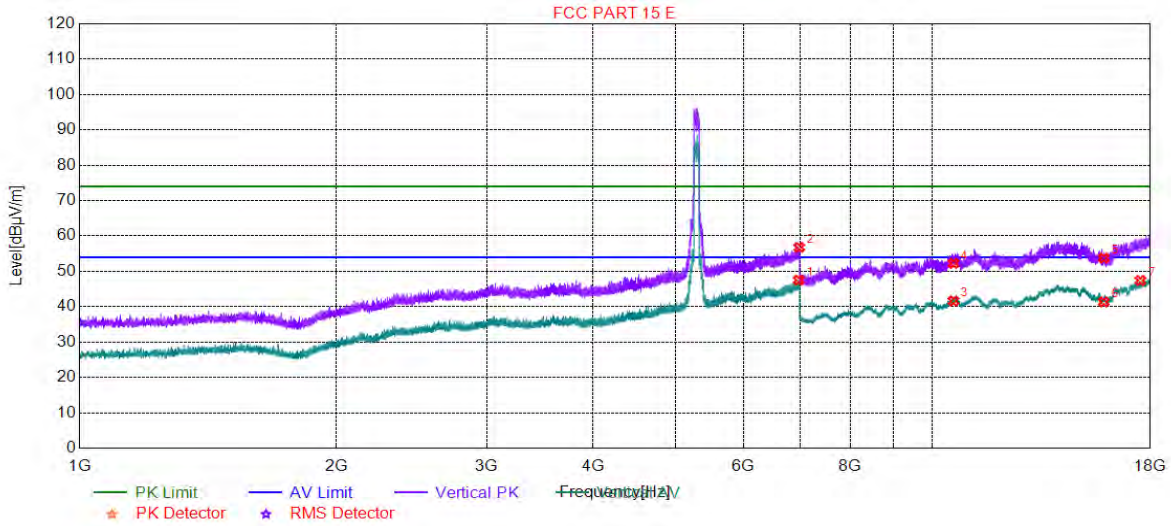
4.9.2.162 11AX80_58_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6965.7983	47.52	21.26	54.00	6.48	150	134	Vertical
2	6975.3988	56.80	21.26	74.00	17.20	150	84	Vertical
3	10580.000	41.62	-2.84	54.00	12.38	150	188	Vertical
4	10580.000	52.25	-2.84	74.00	21.75	150	291	Vertical
5	15870.000	53.76	-0.67	74.00	20.24	150	40	Vertical
6	15870.000	41.35	-0.67	54.00	12.65	150	342	Vertical
7	17517.075	47.40	1.99	54.00	6.60	150	238	Vertical

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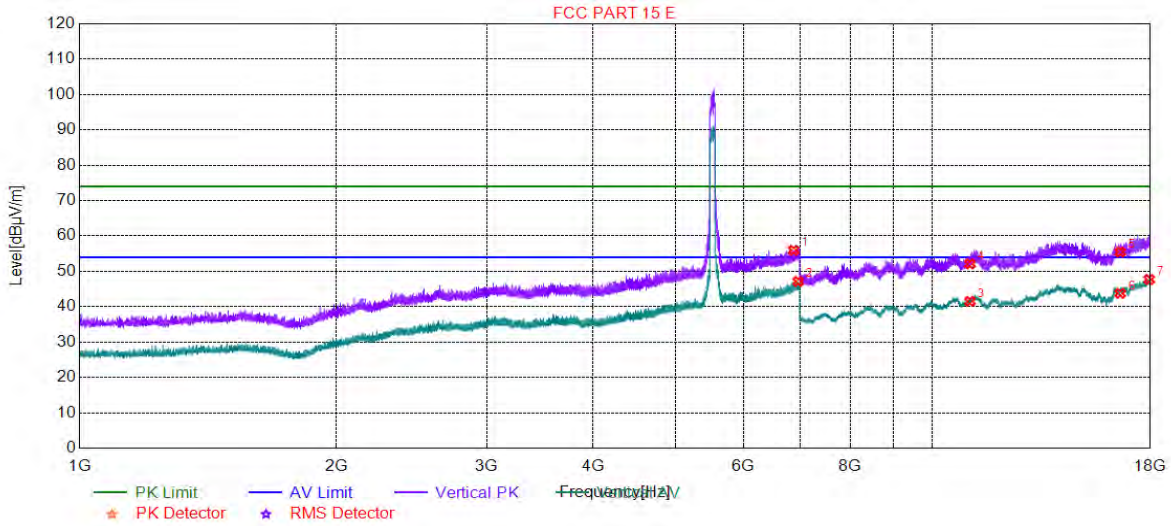
4.9.2.163 11AX80_106_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6870.3935	55.95	20.85	74.00	18.05	150	93	Vertical
2	6956.7978	47.16	21.26	54.00	6.84	150	93	Vertical
3	11060.000	41.54	-2.22	54.00	12.46	150	342	Vertical
4	11060.000	52.11	-2.22	74.00	21.89	150	192	Vertical
5	16590.000	55.48	0.20	74.00	18.52	150	43	Vertical
6	16590.000	43.79	0.20	54.00	10.21	150	43	Vertical
7	17941.147	47.71	1.70	54.00	6.29	150	242	Vertical

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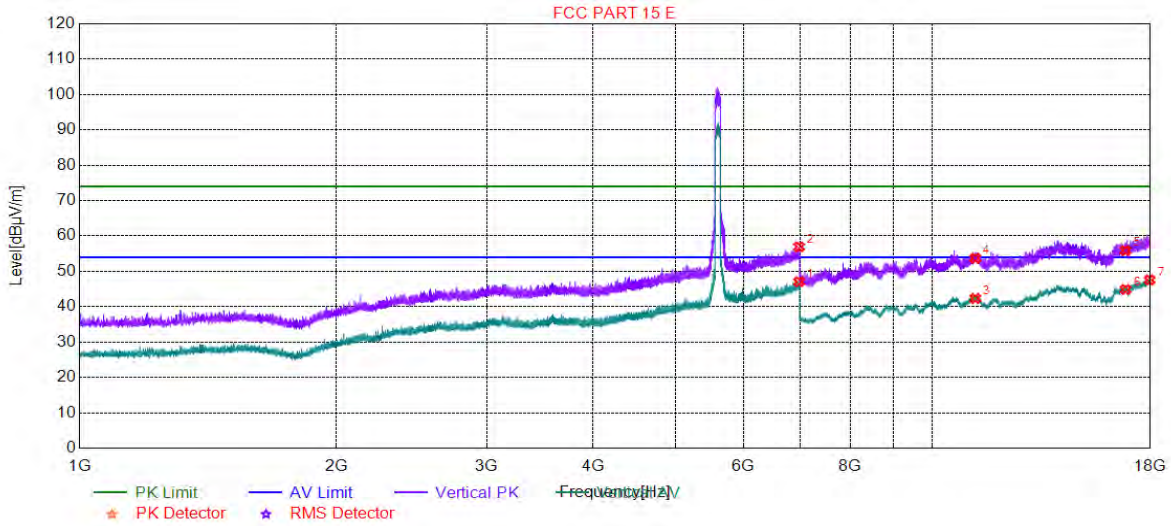
4.9.2.164 11AX80_122_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6972.3986	47.07	21.26	54.00	6.93	150	342	Vertical
2	6972.9987	56.94	21.26	74.00	17.06	150	42	Vertical
3	11220.000	42.32	-2.35	54.00	11.68	150	86	Vertical
4	11220.000	53.72	-2.35	74.00	20.28	150	342	Vertical
5	16830.000	55.90	0.94	74.00	18.10	150	243	Vertical
6	16830.000	44.87	0.94	54.00	9.13	150	342	Vertical
7	17959.848	47.58	1.71	54.00	6.42	150	342	Vertical

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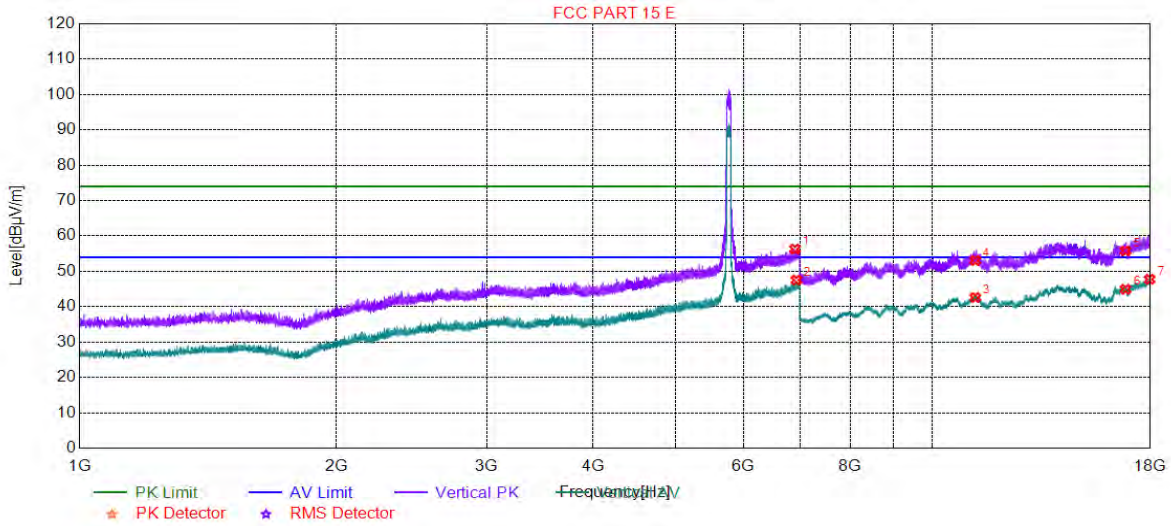
4.9.2.165 11AX80_155_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6896.1948	56.32	20.82	74.00	17.68	150	142	Vertical
2	6921.6961	47.55	21.00	54.00	6.45	150	342	Vertical
3	11220.000	42.60	-2.35	54.00	11.40	150	0	Vertical
4	11220.000	53.08	-2.35	74.00	20.92	150	89	Vertical
5	16830.000	55.82	0.94	74.00	18.18	150	292	Vertical
6	16830.000	44.95	0.94	54.00	9.05	150	89	Vertical
7	17960.948	47.75	1.71	54.00	6.25	150	242	Vertical

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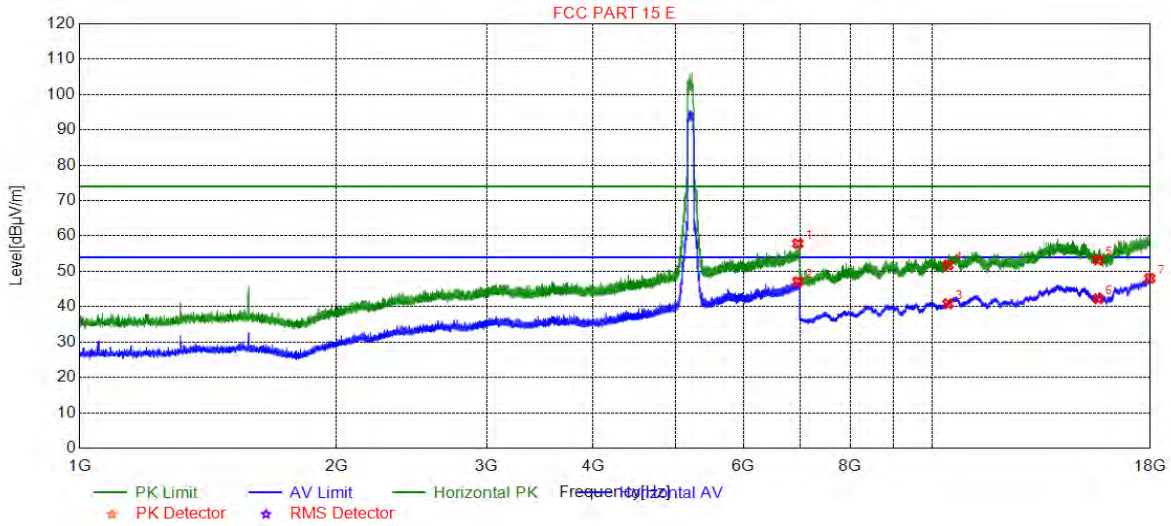
4.9.2.166 11AX80_42_Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6947.7974	57.85	21.24	74.00	16.15	150	219	Horizontal
2	6950.1975	47.07	21.26	54.00	6.93	150	269	Horizontal
3	10420.000	40.83	-3.40	54.00	13.17	150	269	Horizontal
4	10420.000	51.80	-3.40	74.00	22.20	150	269	Horizontal
5	15630.000	53.23	0.28	74.00	20.77	150	318	Horizontal
6	15630.000	42.26	0.28	54.00	11.74	150	360	Horizontal
7	17966.448	48.00	1.71	54.00	6.00	150	68	Horizontal

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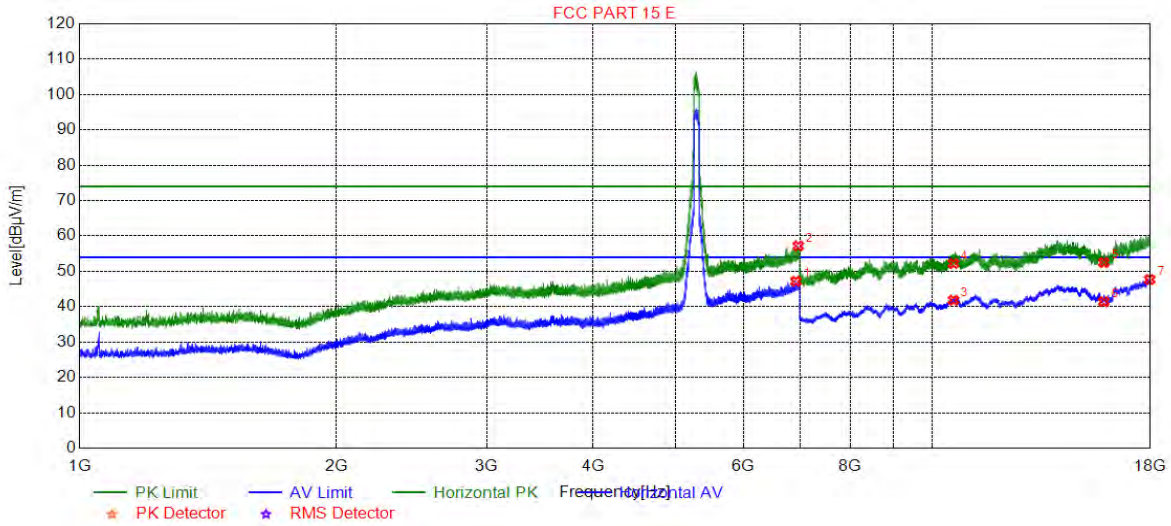
4.9.2.167 11AX80_58_Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6912.6956	47.18	20.92	54.00	6.82	150	328	Horizontal
2	6957.6979	57.20	21.26	74.00	16.80	150	119	Horizontal
3	10580.0000	41.84	-2.84	54.00	12.16	150	168	Horizontal
4	10580.0000	52.21	-2.84	74.00	21.79	150	317	Horizontal
5	15870.0000	52.49	-0.67	74.00	21.51	150	117	Horizontal
6	15870.0000	41.42	-0.67	54.00	12.58	150	217	Horizontal
7	17962.5981	47.68	1.71	54.00	6.32	150	68	Horizontal

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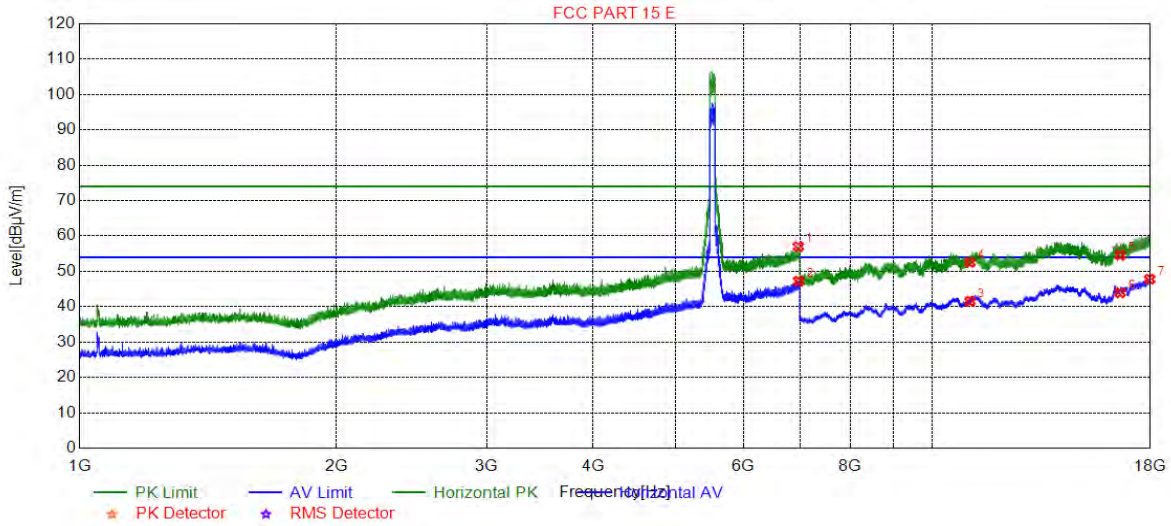
4.9.2.168 11AX80_106_Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6959.4980	57.01	21.26	74.00	16.99	150	68	Horizontal
2	6966.9984	47.23	21.26	54.00	6.77	150	360	Horizontal
3	11060.0000	41.55	-2.22	54.00	12.45	150	267	Horizontal
4	11060.0000	52.54	-2.22	74.00	21.46	150	68	Horizontal
5	16590.0000	54.59	0.20	74.00	19.41	150	217	Horizontal
6	16590.0000	43.94	0.20	54.00	10.06	150	18	Horizontal
7	17961.4981	47.80	1.71	54.00	6.20	150	217	Horizontal

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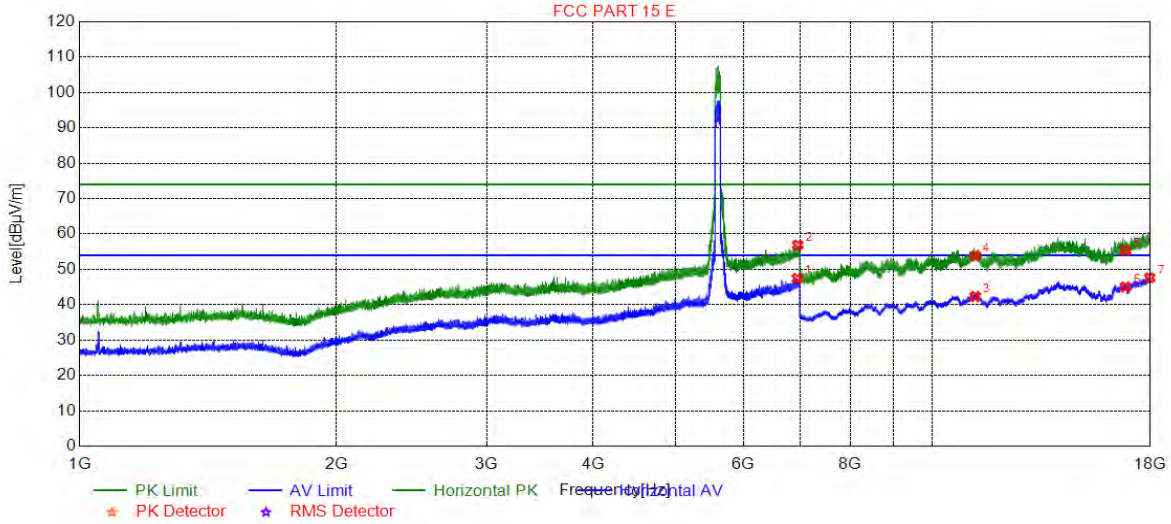
4.9.2.169 11AX80_122_Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6941.7971	47.44	21.18	54.00	6.56	150	18	Horizontal
2	6948.0974	56.86	21.24	74.00	17.14	150	173	Horizontal
3	11220.0000	42.31	-2.35	54.00	11.69	150	218	Horizontal
4	11220.0000	53.85	-2.35	74.00	20.15	150	218	Horizontal
5	16830.0000	55.31	0.94	74.00	18.69	150	218	Horizontal
6	16830.0000	45.03	0.94	54.00	8.97	150	268	Horizontal
7	17963.6982	47.62	1.71	54.00	6.38	150	168	Horizontal

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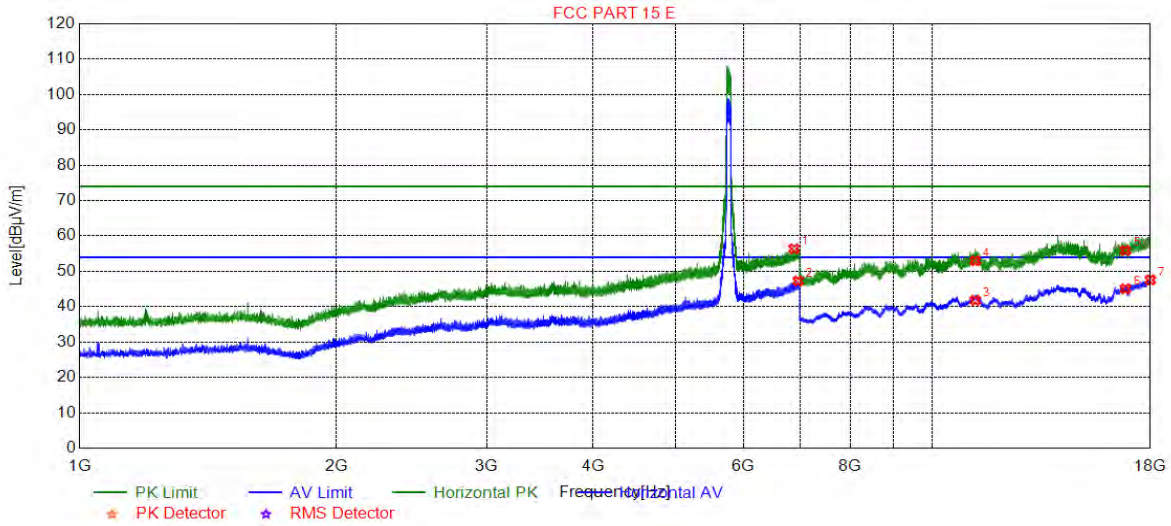
4.9.2.170 11AX80_155_Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6880.2940	56.40	20.84	74.00	17.60	150	168	Horizontal
2	6955.2978	47.26	21.26	54.00	6.74	150	219	Horizontal
3	11220.0000	41.79	-2.35	54.00	12.21	150	360	Horizontal
4	11220.0000	52.97	-2.35	74.00	21.03	150	222	Horizontal
5	16830.0000	55.91	0.94	74.00	18.09	150	360	Horizontal
6	16830.0000	45.07	0.94	54.00	8.93	150	273	Horizontal
7	17994.4997	47.58	1.72	54.00	6.42	150	273	Horizontal

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 40GHz,The disturbance between 9KHz to 30MHz and 18GHz to 40GHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. 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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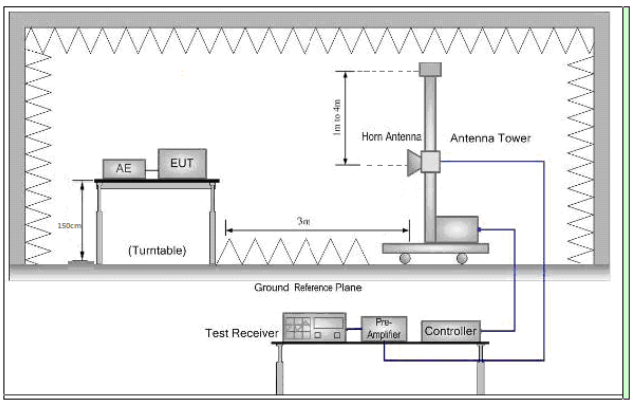
4.10 Restricted bands around fundamental frequency

Test Requirement:	47 CFR Part 15 Section 15.407(b)		
Test Method:	ANSI C63.10: 2013		
Test Site:	Measurement Distance: 3m (Semi-Anechoic Chamber)		
Limit:	Frequency	Limit (dBuV/m @3m)	Remark
	30MHz-88MHz	40.0	Quasi-peak Value
	88MHz-216MHz	43.5	Quasi-peak Value
	216MHz-960MHz	46.0	Quasi-peak Value
	960MHz-1GHz	54.0	Quasi-peak Value
	Above 1GHz	54.0	Average Value
		74.0	Peak Value
Test Setup:			



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Test Procedure:	a. The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation. b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. c. 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. d. 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. e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. f. 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 g. Test the EUT in the outermost channels. h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode,And found the X axis positioning which it is worse case. i. Repeat above procedures until all frequencies measured was complete.
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates.
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate is the worst case of 802.11a; MCS0 of rate is the worst case of 802.11n(HT20); MCS0 of rate is the worst case of 802.11n(HT40); MCS0 of rate is the worst case of 802.11ac(HT20); MCS0 of rate is the worst case of 802.11ac(HT40); MCS0 of rate is the worst case of 802.11ac(HT80); MCS0 of rate is the worst case of 802.11ax(HT20); MCS0 of rate is the worst case of 802.11ax(HT40); MCS0 of rate is the worst case of 802.11ax(HT80); Only the worst case is recorded in the report.
Instruments Used:	Refer to section 5.10 for details
Test Results:	Pass

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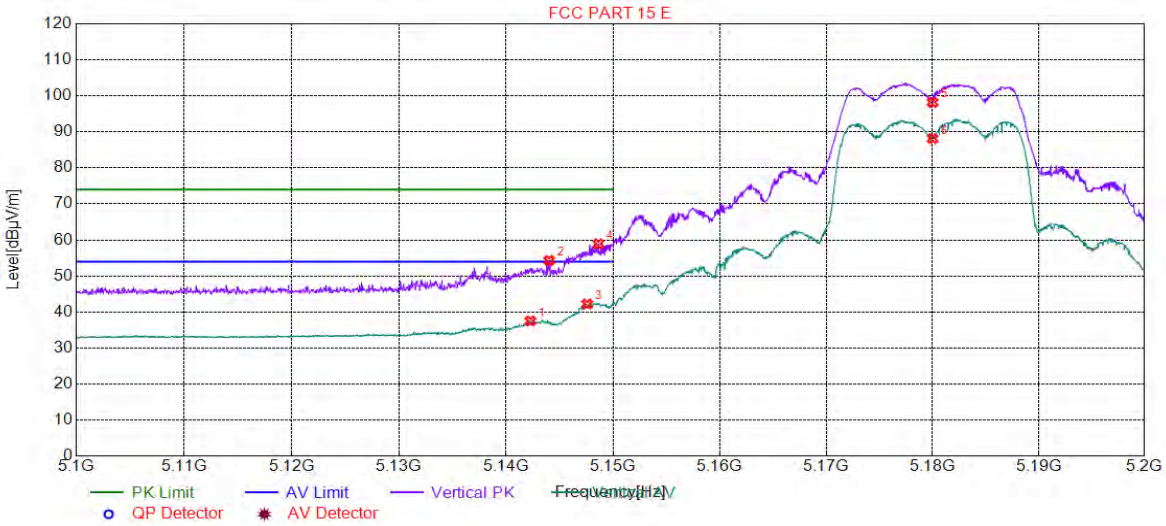
4.10.1 Test plots

4.10.1.1 11A20_36_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5142.2711	37.49	15.45	54.00	16.51	150	289	Vertical
2	5144.0220	54.30	15.47	74.00	19.70	150	272	Vertical
3	5147.5738	42.23	15.50	54.00	11.77	150	266	Vertical
4	5148.6243	58.92	15.51	74.00	15.08	150	272	Vertical
5	5180.0000	98.19	15.56	0.00	-98.19	150	294	Vertical
6	5180.0000	88.12	15.56	0.00	-88.12	150	283	Vertical

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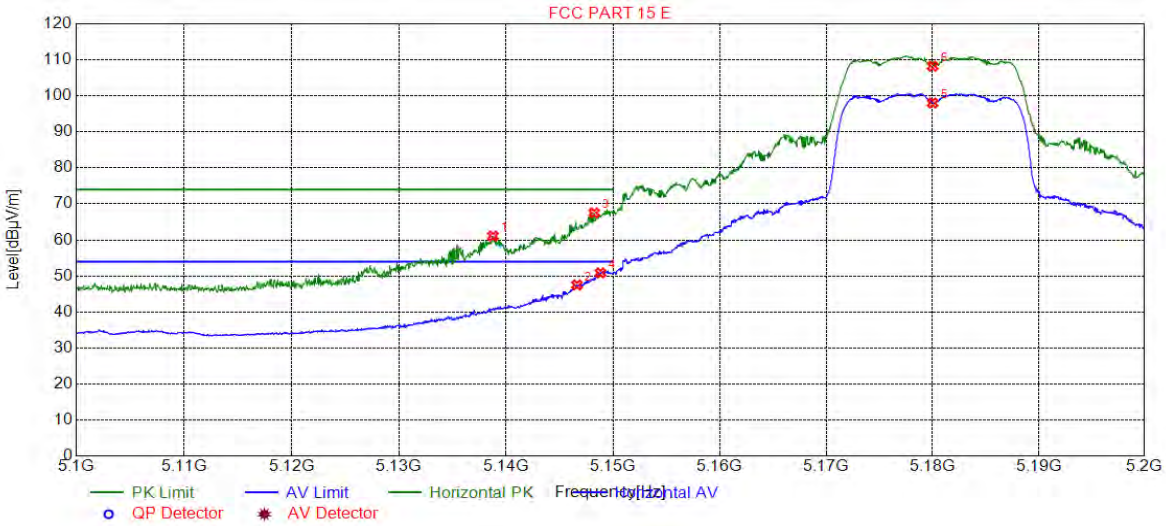
4.10.1.2 11A20_36_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5138.7694	61.07	15.42	74.00	12.93	150	231	Horizontal
2	5146.6233	47.51	15.49	54.00	6.49	150	330	Horizontal
3	5148.2241	67.52	15.50	74.00	6.48	150	231	Horizontal
4	5148.8244	50.86	15.51	54.00	3.14	150	231	Horizontal
5	5180.0000	98.01	15.56	0.00	-98.01	150	231	Horizontal
6	5180.0000	108.24	15.56	0.00	-108.24	150	286	Horizontal

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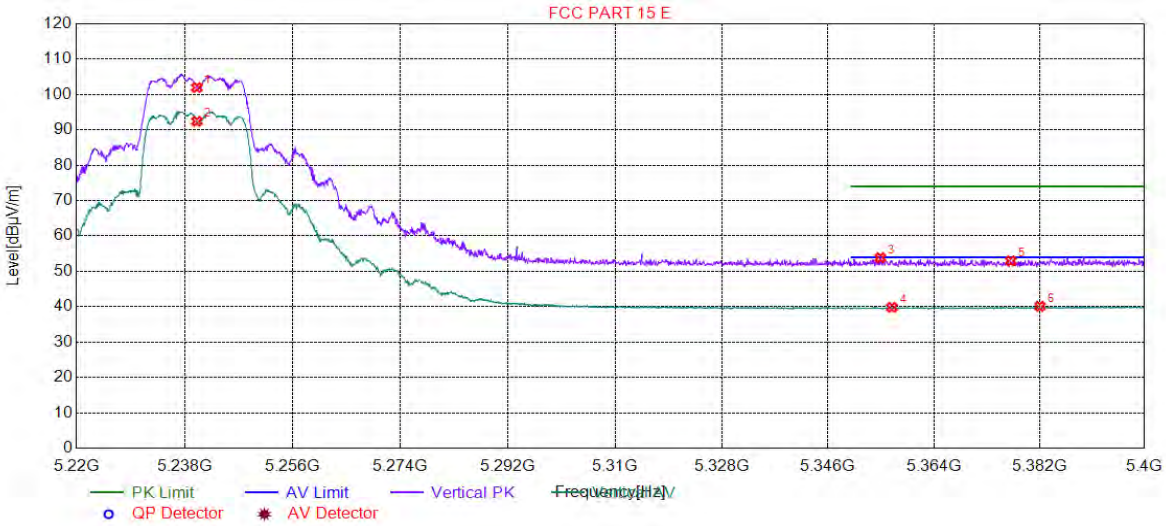
4.10.1.3 11A20_48_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5240.0000	101.96	15.49	0.00	-101.96	150	253	Vertical
2	5240.0000	92.43	15.49	0.00	-92.43	150	253	Vertical
3	5354.8874	53.84	15.97	74.00	20.16	150	348	Vertical
4	5356.8684	39.82	15.98	54.00	14.18	150	300	Vertical
5	5377.1286	52.93	16.11	74.00	21.07	150	232	Vertical
6	5382.0810	40.09	16.14	54.00	13.91	150	91	Vertical

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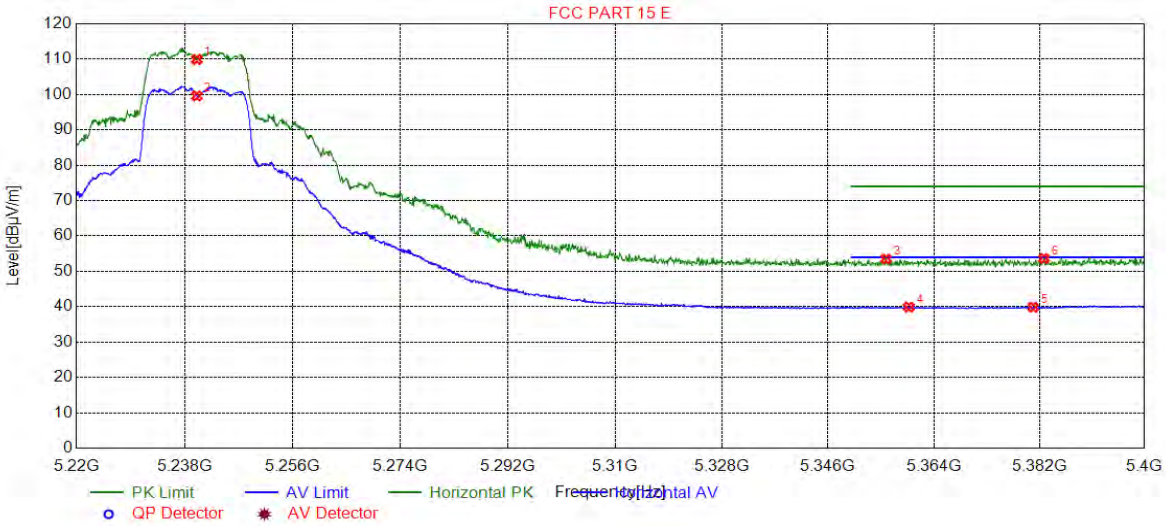
4.10.1.4 11A20_48_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5240.0000	109.92	15.49	0.00	-109.92	150	220	Horizontal
2	5240.0000	99.60	15.49	0.00	-99.60	150	220	Horizontal
3	5355.8779	53.53	15.98	74.00	20.47	150	324	Horizontal
4	5359.7499	39.92	16.00	54.00	14.08	150	247	Horizontal
5	5380.9105	39.86	16.13	54.00	14.14	150	138	Horizontal
6	5382.8014	53.66	16.14	74.00	20.34	150	247	Horizontal

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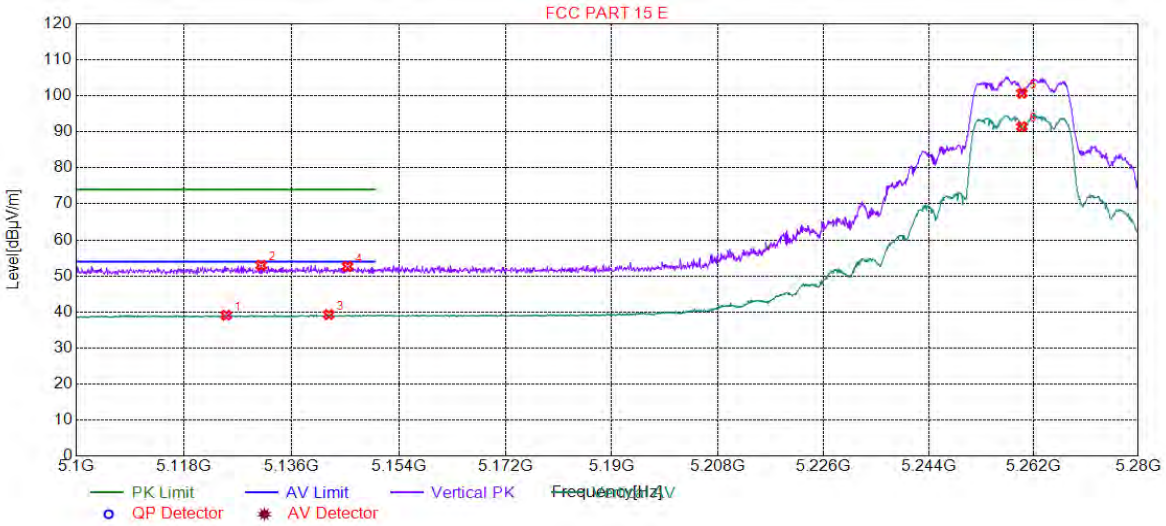
4.10.1.5 11A20_52_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5125.0325	39.10	15.31	54.00	14.90	150	314	Vertical
2	5130.8854	52.94	15.36	74.00	21.06	150	134	Vertical
3	5142.2311	39.26	15.45	54.00	14.74	150	76	Vertical
4	5145.3827	52.63	15.48	74.00	21.37	150	295	Vertical
5	5260.0000	100.71	15.51	0.00	-100.71	150	334	Vertical
6	5260.0000	91.45	15.51	0.00	-91.45	150	334	Vertical

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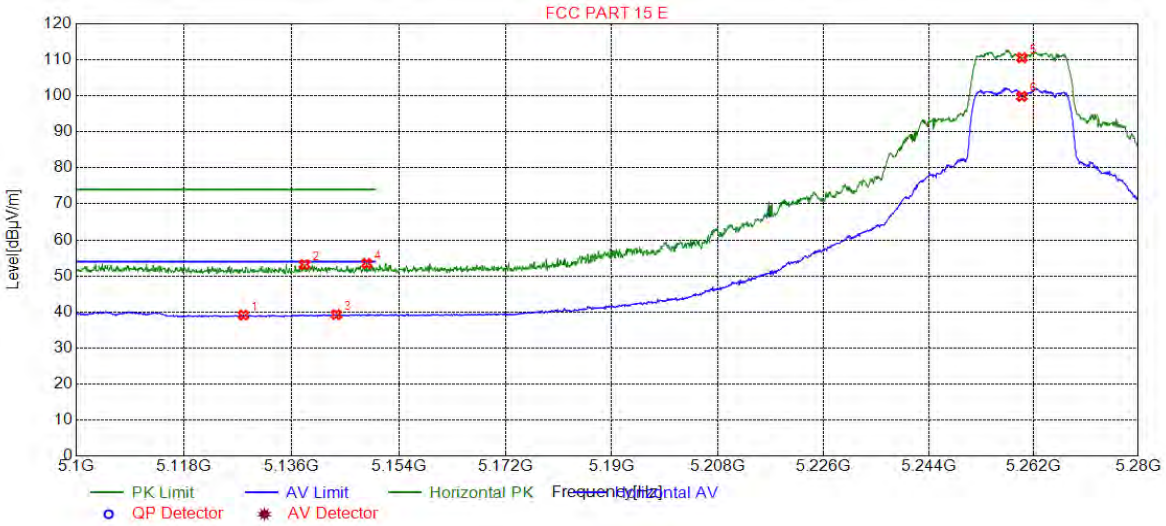
4.10.1.6 11A20_52_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5127.9140	39.13	15.33	54.00	14.87	150	329	Horizontal
2	5138.1791	53.16	15.42	74.00	20.84	150	243	Horizontal
3	5143.4917	39.27	15.46	54.00	14.73	150	199	Horizontal
4	5148.6243	53.44	15.51	74.00	20.56	150	329	Horizontal
5	5260.0000	110.57	15.51	0.00	-110.57	150	234	Horizontal
6	5260.0000	99.84	15.51	0.00	-99.84	150	234	Horizontal

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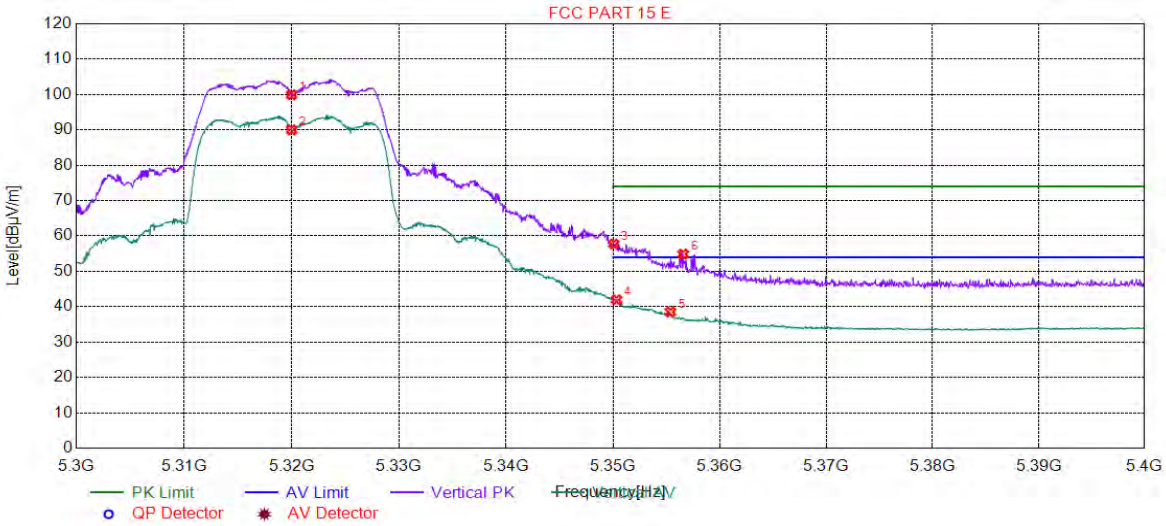
4.10.1.7 11A20_64_Vertical



Suspected List								
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1	5320.0000	99.94	15.80	0.00	-99.94	150	248	Vertical
2	5320.0000	90.02	15.80	0.00	-90.02	150	242	Vertical
3	5350.0750	57.72	15.94	74.00	16.28	150	242	Vertical
4	5350.3252	41.97	15.94	54.00	12.03	150	156	Vertical
5	5355.3777	38.54	15.97	54.00	15.46	150	156	Vertical
6	5356.5783	54.87	15.98	74.00	19.13	150	208	Vertical

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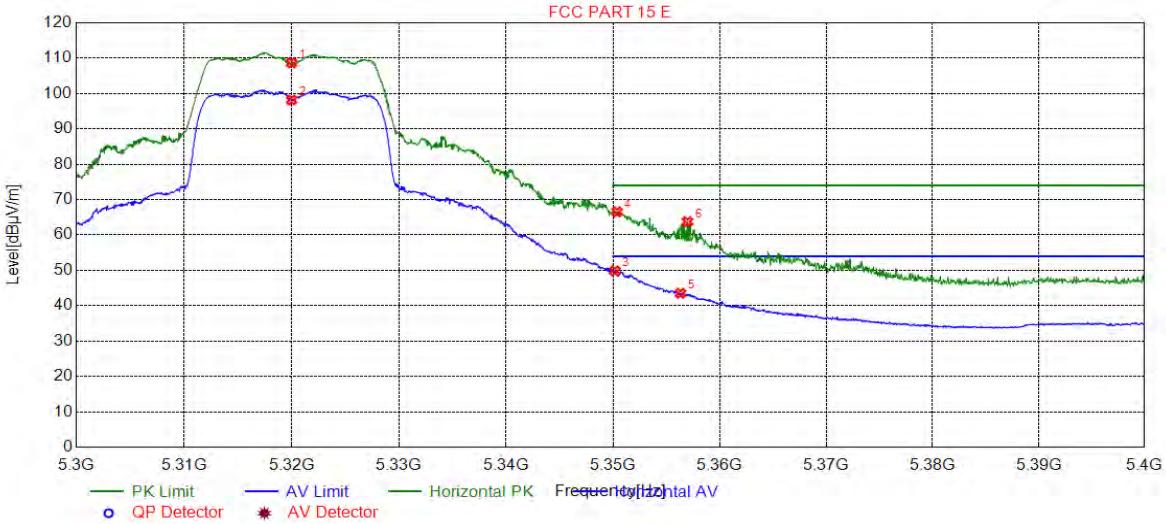
4.10.1.8 11A20_64_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5320.0000	108.67	15.80	0.00	-108.67	150	223	Horizontal
2	5320.0000	98.17	15.80	0.00	-98.17	150	223	Horizontal
3	5350.1751	49.84	15.94	54.00	4.16	150	217	Horizontal
4	5350.3752	66.53	15.94	74.00	7.47	150	217	Horizontal
5	5356.3282	43.52	15.98	54.00	10.48	150	223	Horizontal
6	5356.9785	63.75	15.98	74.00	10.25	150	303	Horizontal

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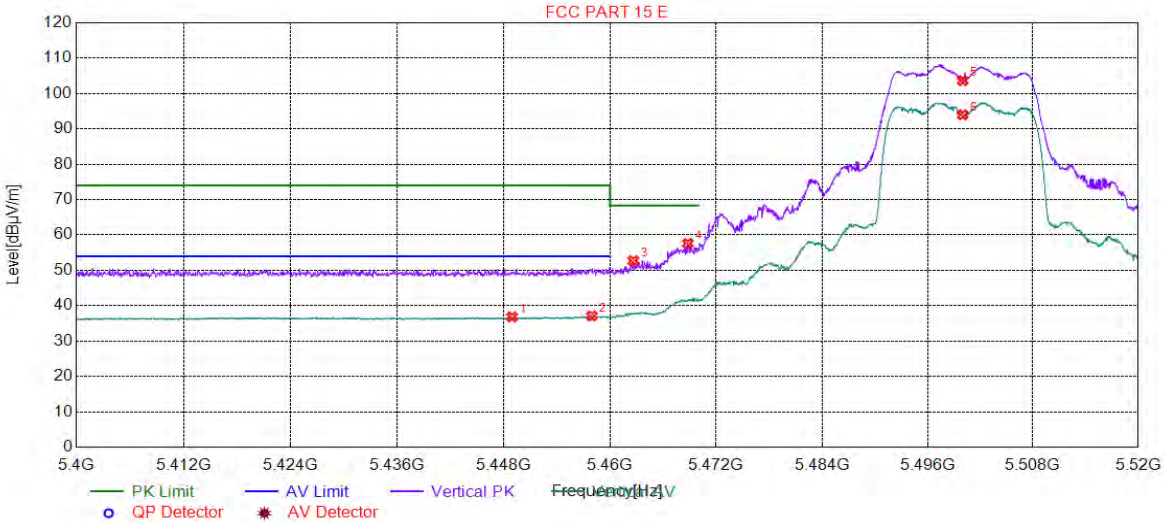
4.10.1.9 11A20_100_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5448.9245	36.84	16.25	54.00	17.16	150	287	Vertical
2	5457.9290	37.11	16.25	54.00	16.89	150	360	Vertical
3	5462.6113	52.73	16.25	68.30	15.57	150	14	Vertical
4	5468.7944	57.60	16.25	68.30	10.70	150	210	Vertical
5	5500.0000	103.64	16.25	0.00	-103.64	150	210	Vertical
6	5500.0000	93.99	16.25	0.00	-93.99	150	210	Vertical

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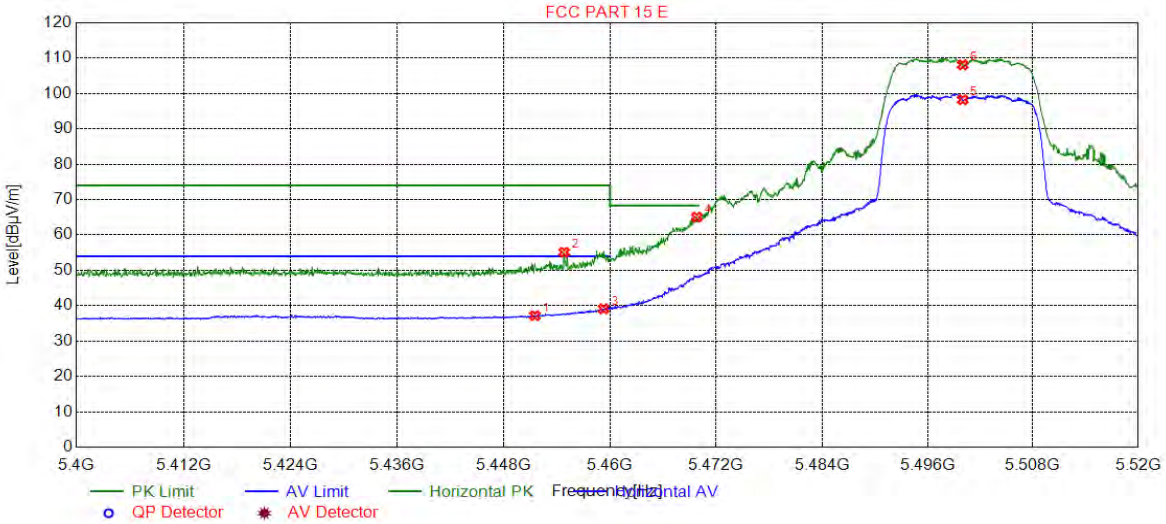
4.10.1.10 11A20_100_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5451.5058	37.18	16.25	54.00	16.82	150	48	Horizontal
2	5454.8074	55.12	16.25	74.00	18.88	150	108	Horizontal
3	5459.2496	39.09	16.25	54.00	14.91	150	177	Horizontal
4	5469.8149	65.06	16.25	68.30	3.24	150	75	Horizontal
5	5500.0000	98.24	16.25	0.00	-98.24	150	42	Horizontal
6	5500.0000	108.11	16.25	0.00	-108.11	150	42	Horizontal

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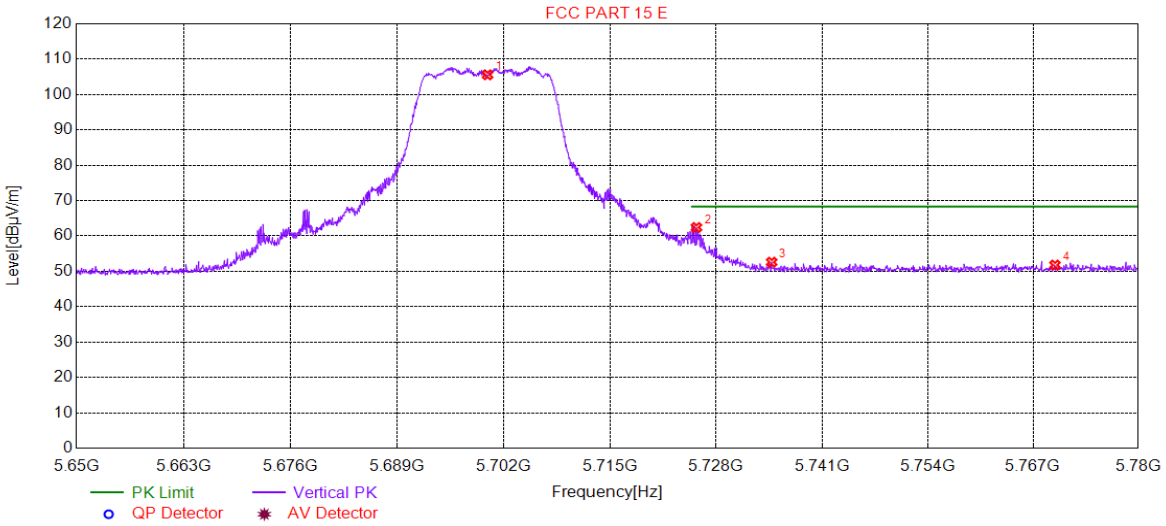
4.10.1.11 11A20_120_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5700.0000	105.57	16.80	0.00	-105.57	150	180	Vertical
2	5725.5678	62.41	16.96	68.30	5.89	150	194	Vertical
3	5734.8024	52.60	17.02	68.30	15.70	150	323	Vertical
4	5769.7249	51.79	17.15	68.30	16.51	150	263	Vertical

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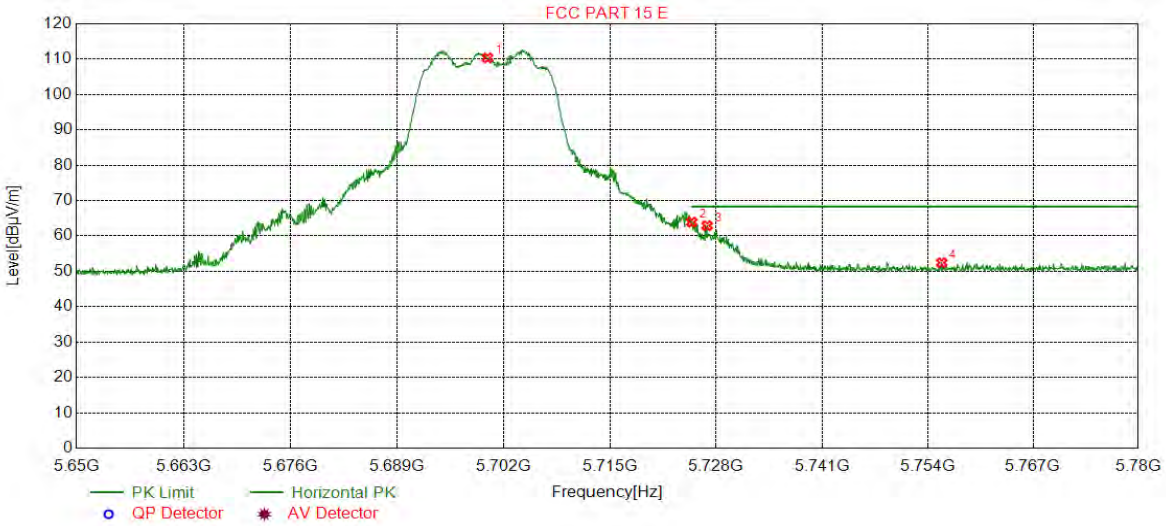
4.10.1.12 11A20_120_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5700.0000	110.34	16.80	0.00	-110.34	150	225	Horizontal
2	5725.0000	63.93	16.96	68.30	4.37	150	225	Horizontal
3	5726.8684	62.92	16.97	68.30	5.38	150	312	Horizontal
4	5755.7429	52.44	17.13	68.30	15.86	150	211	Horizontal

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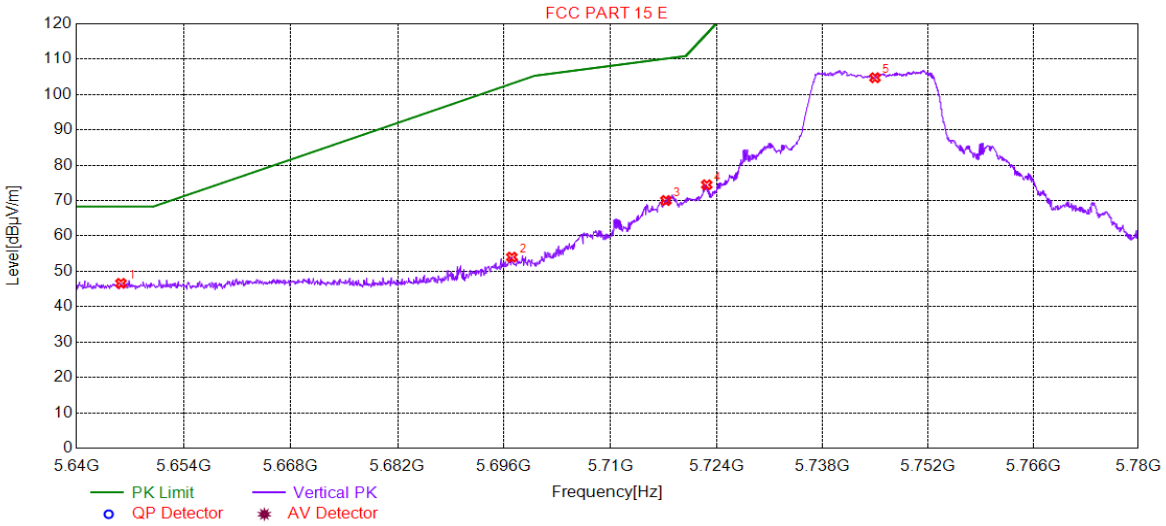
4.10.1.13 11A20_149_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5645.8129	46.60	16.54	68.30	21.70	150	274	Vertical
2	5697.0085	54.02	16.78	103.09	49.07	150	48	Vertical
3	5717.3187	70.03	16.91	110.15	40.12	150	169	Vertical
4	5722.7114	74.48	16.95	117.08	42.60	150	169	Vertical
5	5745.0000	104.75	17.09	0.00	-104.75	150	196	Vertical

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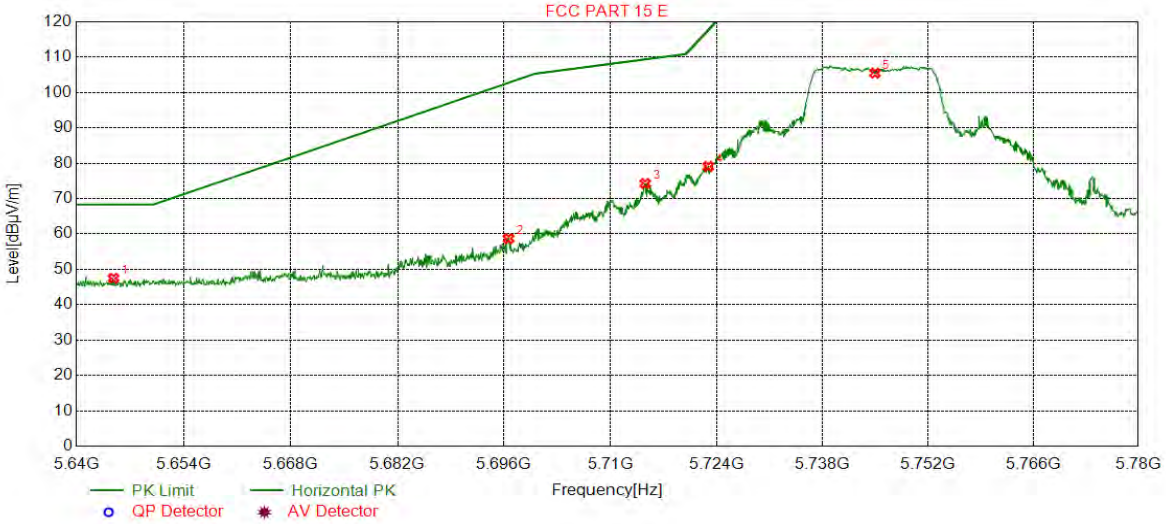
4.10.1.14 11A20_149_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5644.8324	47.47	16.54	68.30	20.83	150	11	Horizontal
2	5696.5883	58.69	16.78	102.78	44.09	150	221	Horizontal
3	5714.5873	74.28	16.89	109.38	35.10	150	230	Horizontal
4	5722.9215	79.10	16.95	117.56	38.46	150	330	Horizontal
5	5745.0000	105.49	17.09	0.00	-105.49	150	216	Horizontal

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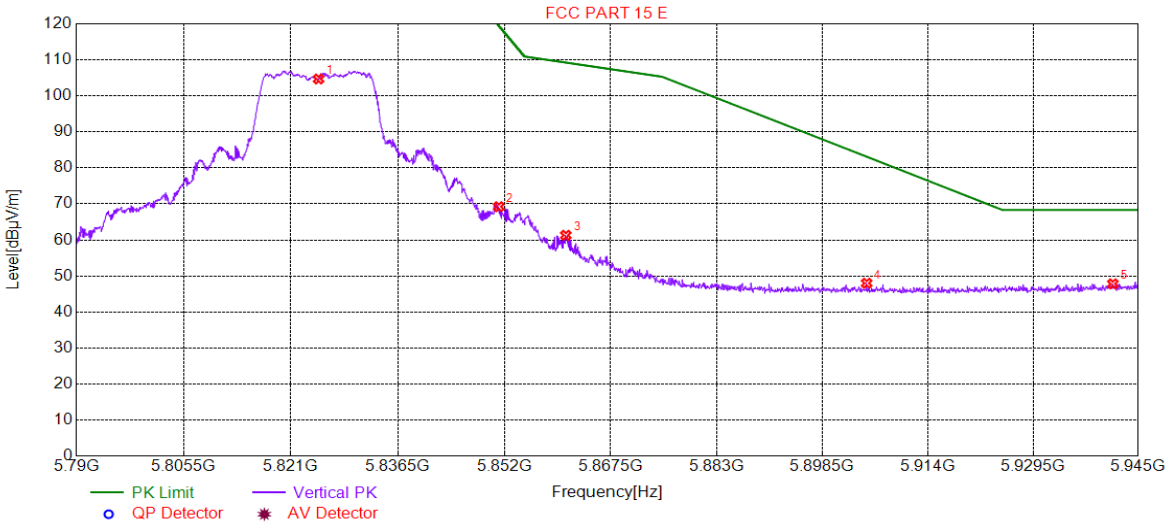
4.10.1.15 11A20_161_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5825.0000	104.68	17.23	0.00	-104.68	150	182	Vertical
2	5851.1781	69.23	17.26	119.61	50.38	150	182	Vertical
3	5860.9480	61.30	17.23	109.23	47.93	150	182	Vertical
4	5904.9900	48.00	17.19	83.11	35.11	150	328	Vertical
5	5941.2781	47.82	17.75	68.30	20.48	150	16	Vertical

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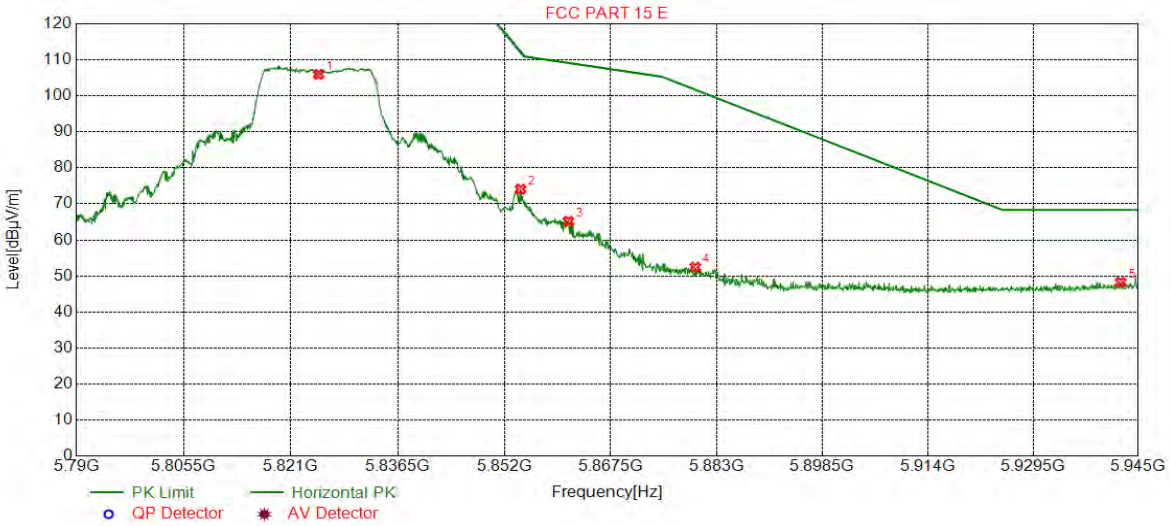
4.10.1.16 11A20_161_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5825.0000	105.96	17.23	0.00	-105.96	150	215	Horizontal
2	5854.3572	74.09	17.25	112.37	38.28	150	220	Horizontal
3	5861.3357	65.18	17.23	109.13	43.95	150	294	Horizontal
4	5879.8674	52.42	17.17	101.70	49.28	150	326	Horizontal
5	5942.4412	48.27	17.76	68.30	20.03	150	344	Horizontal

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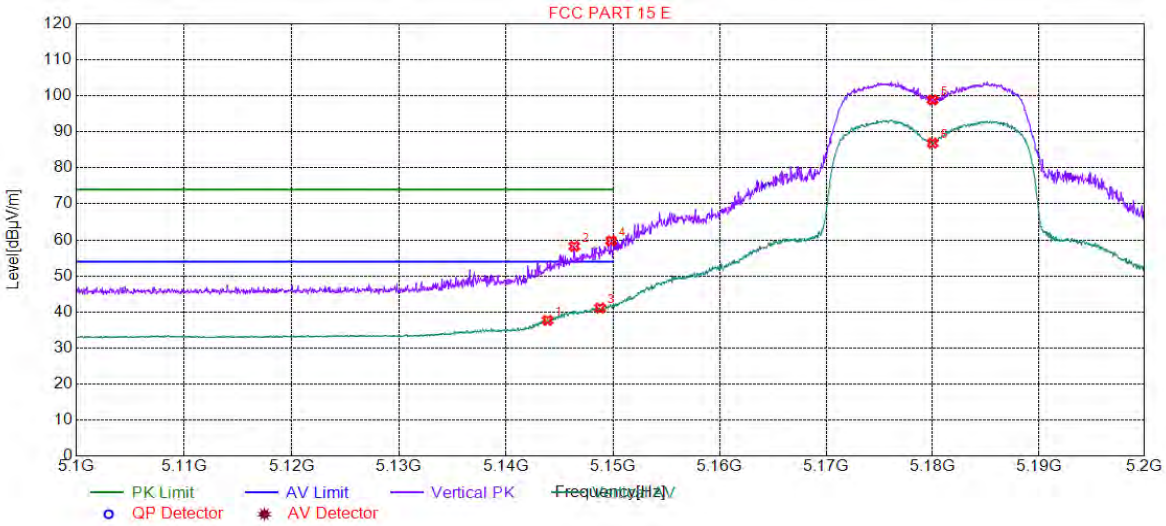
4.10.1.17 11N20_36_Vertical



Suspected List								
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1	5143.8719	37.68	15.47	54.00	16.32	150	261	Vertical
2	5146.3732	58.24	15.49	74.00	15.76	150	261	Vertical
3	5148.7744	41.10	15.51	54.00	12.90	150	159	Vertical
4	5149.8249	59.78	15.52	74.00	14.22	150	165	Vertical
5	5180.0000	98.85	15.56	0.00	-98.85	150	261	Vertical
6	5180.0000	86.87	15.56	0.00	-86.87	150	174	Vertical

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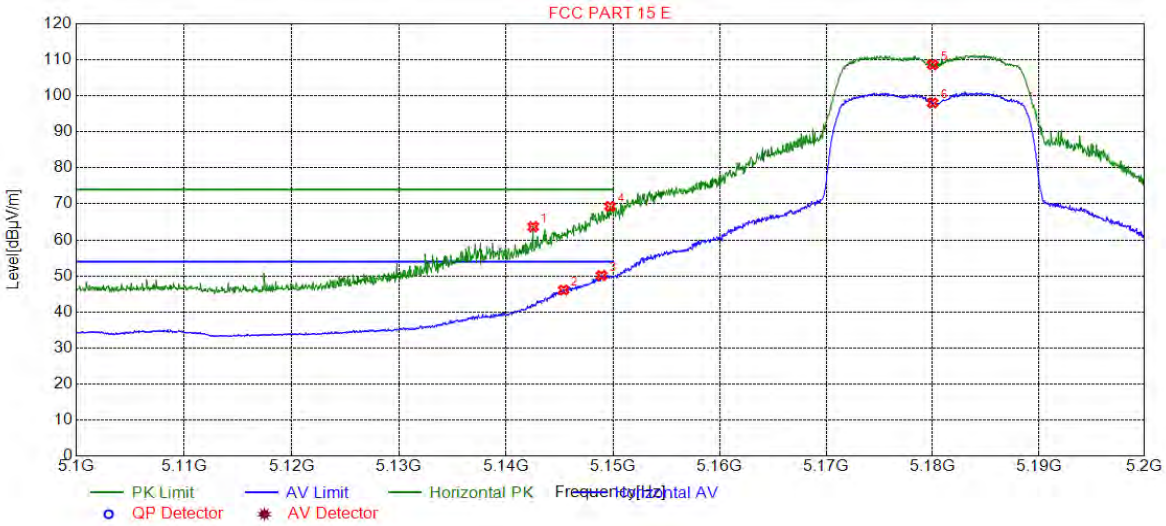
4.10.1.18 11N20_36_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5142.5213	63.67	15.46	74.00	10.33	150	320	Horizontal
2	5145.3727	46.08	15.48	54.00	7.92	150	320	Horizontal
3	5148.9245	50.11	15.51	54.00	3.89	150	232	Horizontal
4	5149.7249	69.29	15.52	74.00	4.71	150	232	Horizontal
5	5180.0000	108.62	15.56	0.00	-108.62	150	286	Horizontal
6	5180.0000	98.03	15.56	0.00	-98.03	150	232	Horizontal

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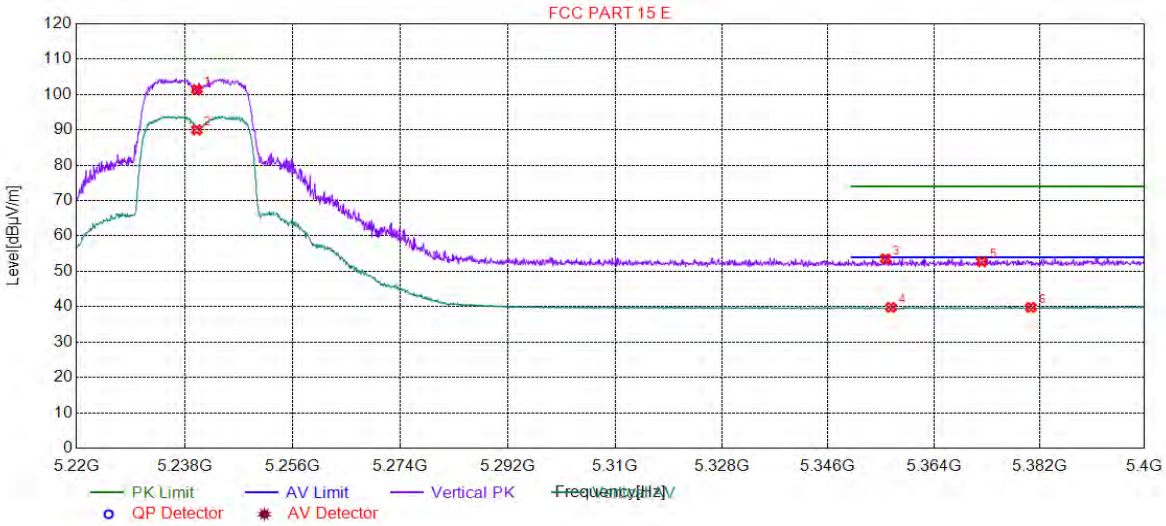
4.10.1.19 11N20_48_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5240.0000	101.40	15.49	0.00	-101.40	150	324	Vertical
2	5240.0000	90.03	15.49	0.00	-90.03	150	331	Vertical
3	5355.7879	53.57	15.98	74.00	20.43	150	56	Vertical
4	5356.6883	39.82	15.98	54.00	14.18	150	200	Vertical
5	5372.1761	52.74	16.08	74.00	21.26	150	145	Vertical
6	5380.5503	39.80	16.13	54.00	14.20	150	193	Vertical

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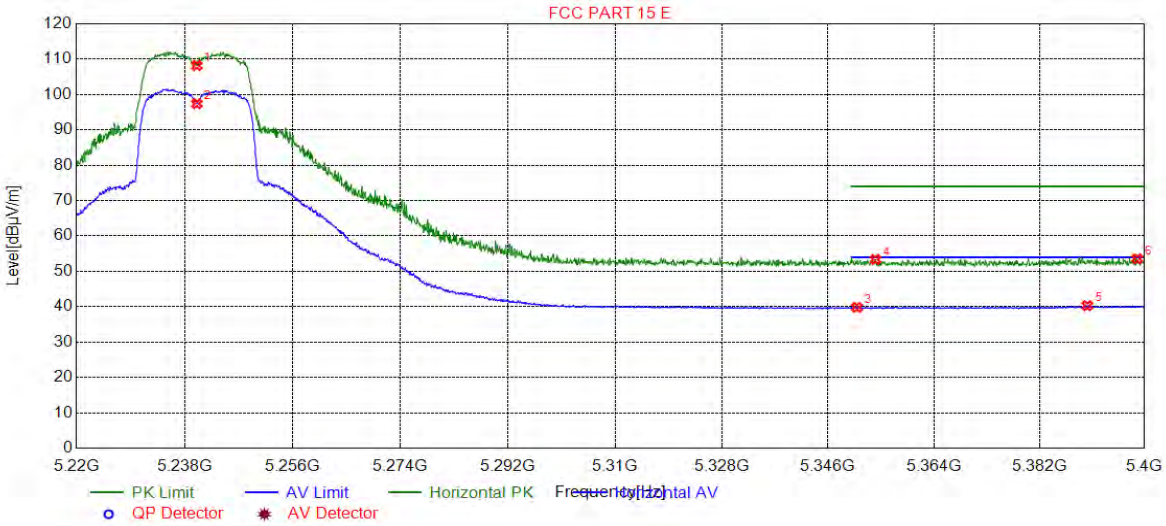
4.10.1.20 11N20_48_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5240.0000	108.18	15.49	0.00	-108.18	150	293	Horizontal
2	5240.0000	97.39	15.49	0.00	-97.39	150	293	Horizontal
3	5350.9255	39.82	15.95	54.00	14.18	150	299	Horizontal
4	5354.0770	53.35	15.97	74.00	20.65	150	43	Horizontal
5	5390.1851	40.30	16.19	54.00	13.70	150	50	Horizontal
6	5398.7394	53.55	16.24	74.00	20.45	150	359	Horizontal

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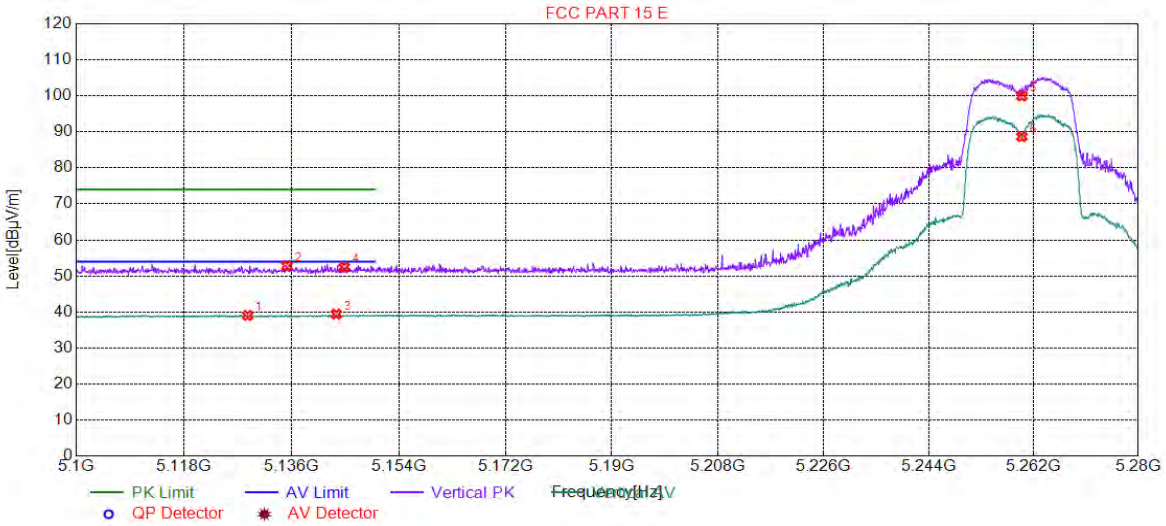
4.10.1.21 11N20_52_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5128.6343	39.03	15.34	54.00	14.97	150	233	Vertical
2	5135.2076	52.84	15.39	74.00	21.16	150	310	Vertical
3	5143.4917	39.40	15.46	54.00	14.60	150	138	Vertical
4	5144.8424	52.42	15.48	74.00	21.58	150	0	Vertical
5	5260.0000	99.93	15.51	0.00	-99.93	150	318	Vertical
6	5260.0000	88.66	15.51	0.00	-88.66	150	331	Vertical

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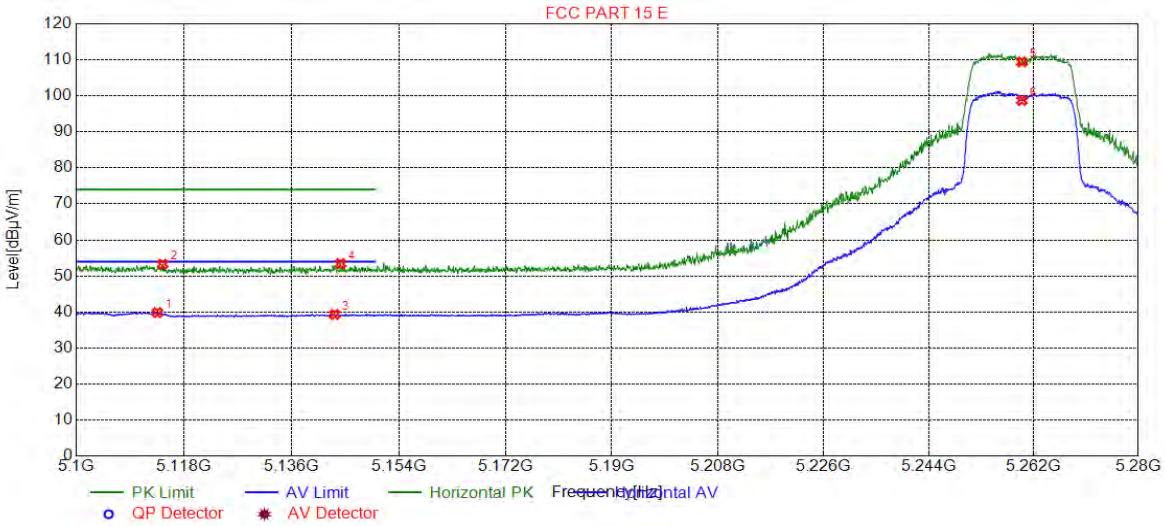
4.10.1.22 11N20_52_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5113.5068	39.82	15.21	54.00	14.18	150	71	Horizontal
2	5114.4072	53.27	15.21	74.00	20.73	150	214	Horizontal
3	5143.2216	39.30	15.46	54.00	14.70	150	343	Horizontal
4	5144.2121	53.44	15.47	74.00	20.56	150	84	Horizontal
5	5260.0000	109.43	15.51	0.00	-109.43	150	200	Horizontal
6	5260.0000	98.72	15.51	0.00	-98.72	150	234	Horizontal

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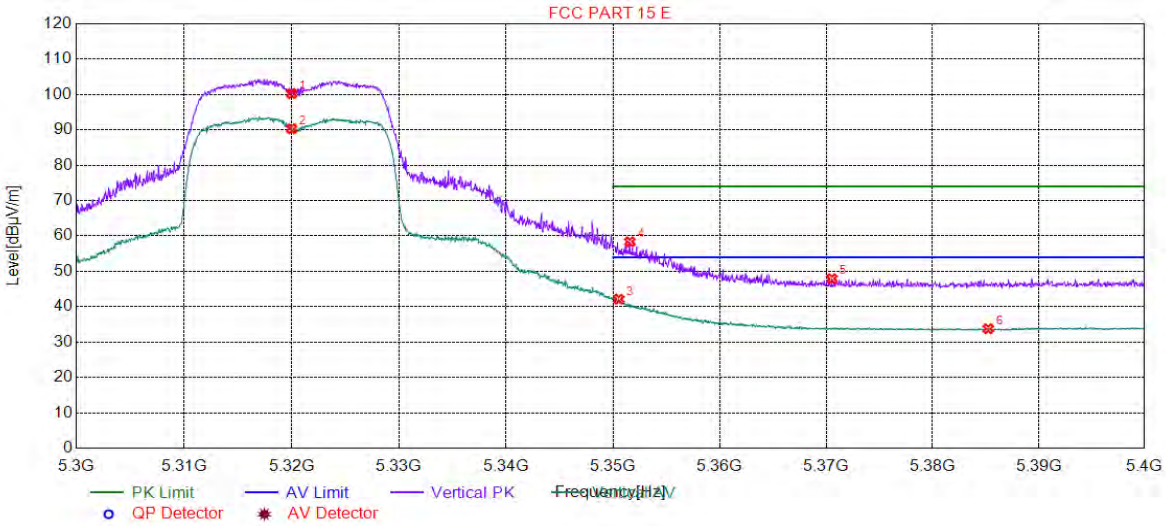
4.10.1.23 11N20_64_Vertical



Suspected List								
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1	5320.0000	100.26	15.80	0.00	-100.26	150	250	Vertical
2	5320.0000	90.31	15.80	0.00	-90.31	150	250	Vertical
3	5350.5253	42.14	15.94	54.00	11.86	150	242	Vertical
4	5351.5758	58.36	15.95	74.00	15.64	150	201	Vertical
5	5370.5353	47.92	16.07	74.00	26.08	150	187	Vertical
6	5385.2426	33.77	16.16	54.00	20.23	150	338	Vertical

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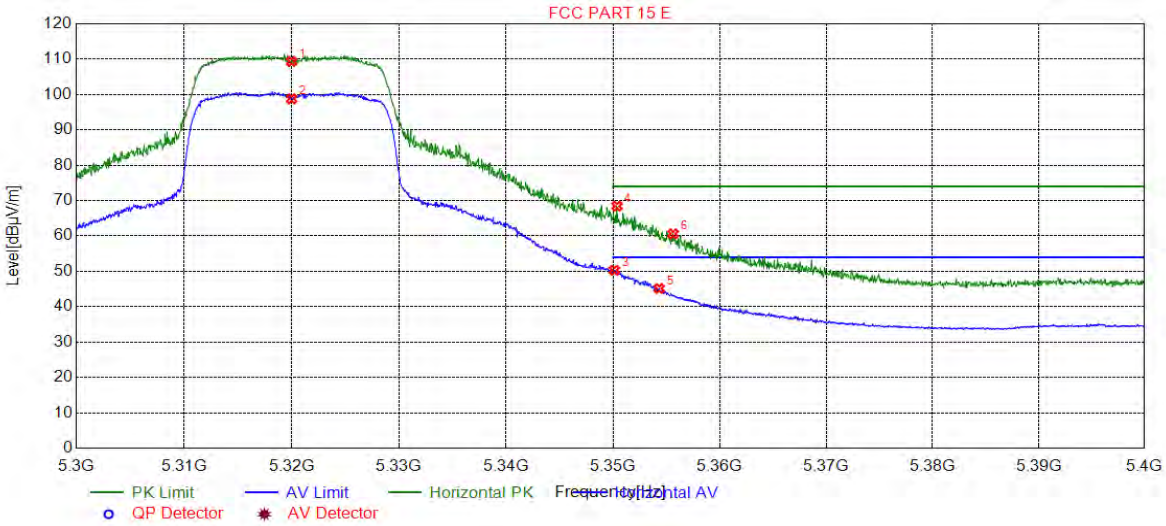
4.10.1.24 11N20_64_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5320.0000	109.36	15.80	0.00	-109.36	150	228	Horizontal
2	5320.0000	98.79	15.80	0.00	-98.79	150	228	Horizontal
3	5350.1251	50.32	15.94	54.00	3.68	150	228	Horizontal
4	5350.3752	68.45	15.94	74.00	5.55	150	221	Horizontal
5	5354.3272	45.15	15.97	54.00	8.85	150	330	Horizontal
6	5355.6278	60.61	15.97	74.00	13.39	150	201	Horizontal

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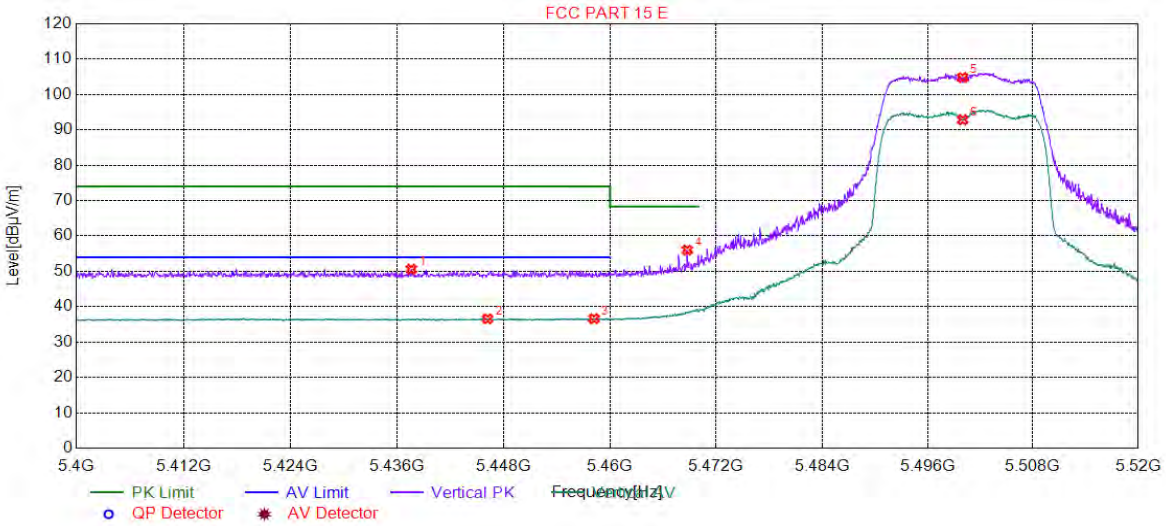
4.10.1.25 11N20_100_Vertical



Suspected List								
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1	5437.5788	50.60	16.25	74.00	23.40	150	170	Vertical
2	5446.1631	36.57	16.25	54.00	17.43	150	319	Vertical
3	5458.1691	36.60	16.25	54.00	17.40	150	50	Vertical
4	5468.7344	56.03	16.25	68.30	12.27	150	330	Vertical
5	5500.0000	104.82	16.25	0.00	-104.82	150	346	Vertical
6	5500.0000	92.85	16.25	0.00	-92.85	150	214	Vertical

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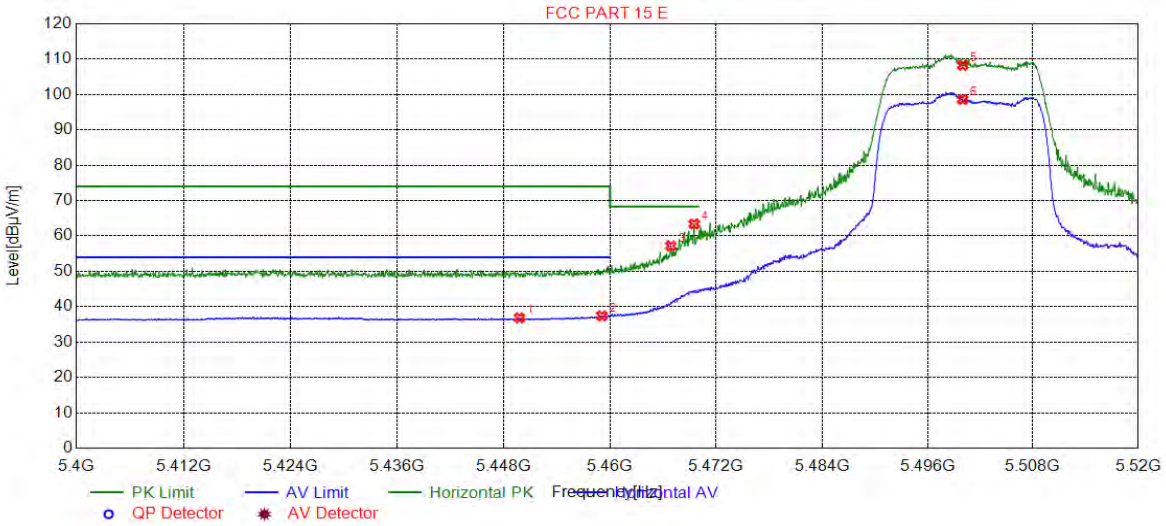
4.10.1.26 11N20_100_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5449.7649	36.83	16.25	54.00	17.17	150	46	Horizontal
2	5459.0695	37.39	16.25	54.00	16.61	150	46	Horizontal
3	5466.8734	57.19	16.25	68.30	11.11	150	52	Horizontal
4	5469.5148	63.41	16.25	68.30	4.89	150	52	Horizontal
5	5500.0000	108.26	16.25	0.00	-108.26	150	46	Horizontal
6	5500.0000	98.60	16.25	0.00	-98.60	150	46	Horizontal

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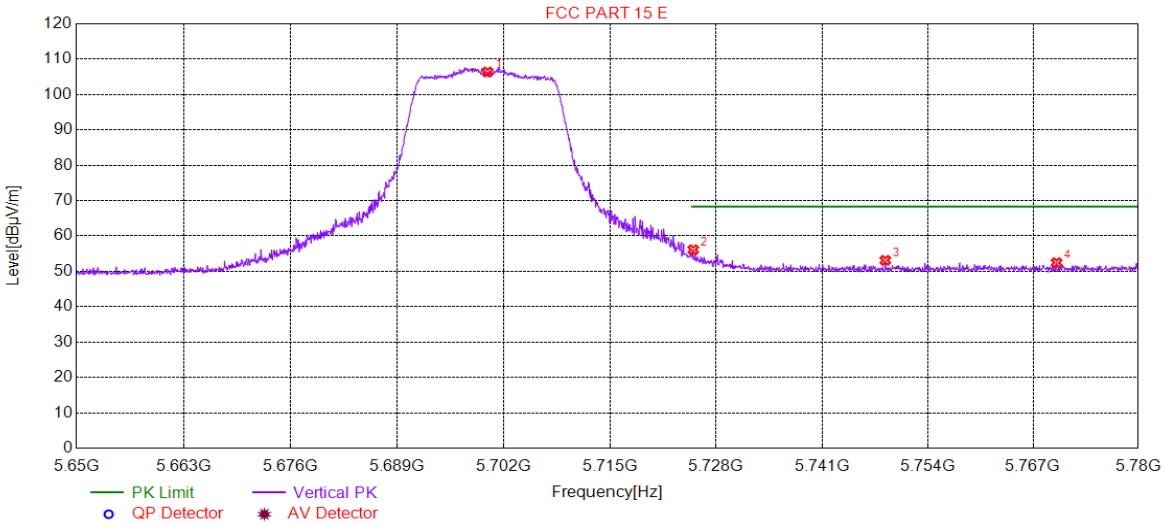
4.10.1.27 11N20_140_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5700.0000	106.37	16.80	0.00	-106.37	150	220	Vertical
2	5725.1776	56.10	16.96	68.30	12.20	150	335	Vertical
3	5748.7844	53.11	17.11	68.30	15.19	150	47	Vertical
4	5769.9200	52.45	17.15	68.30	15.85	150	298	Vertical

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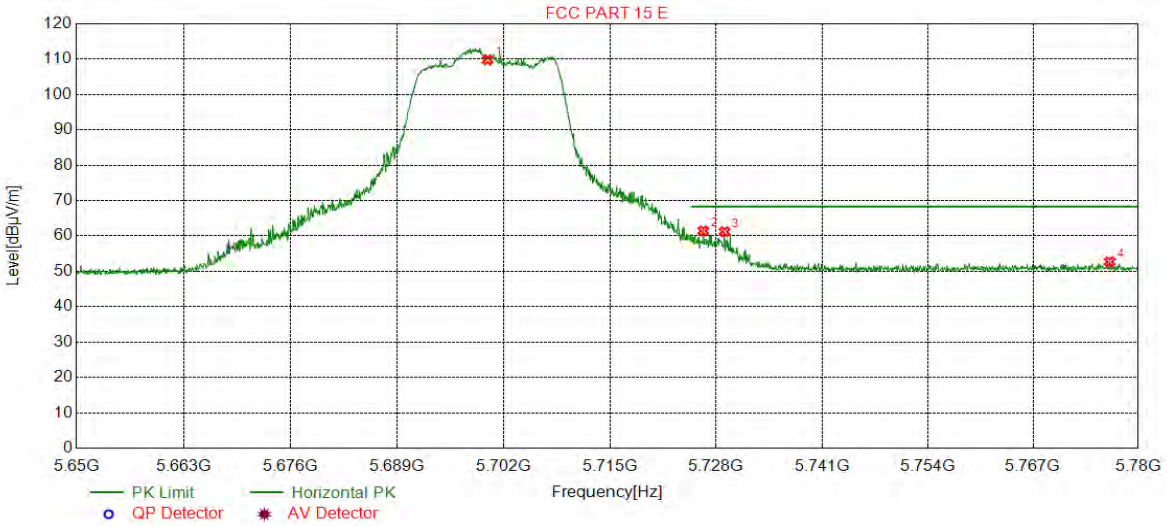
4.10.1.28 11N20_140_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5700.0000	109.81	16.80	0.00	-109.81	150	43	Horizontal
2	5726.4132	61.45	16.97	68.30	6.85	150	43	Horizontal
3	5729.0145	61.21	16.99	68.30	7.09	150	39	Horizontal
4	5776.4882	52.72	17.16	68.30	15.58	150	104	Horizontal

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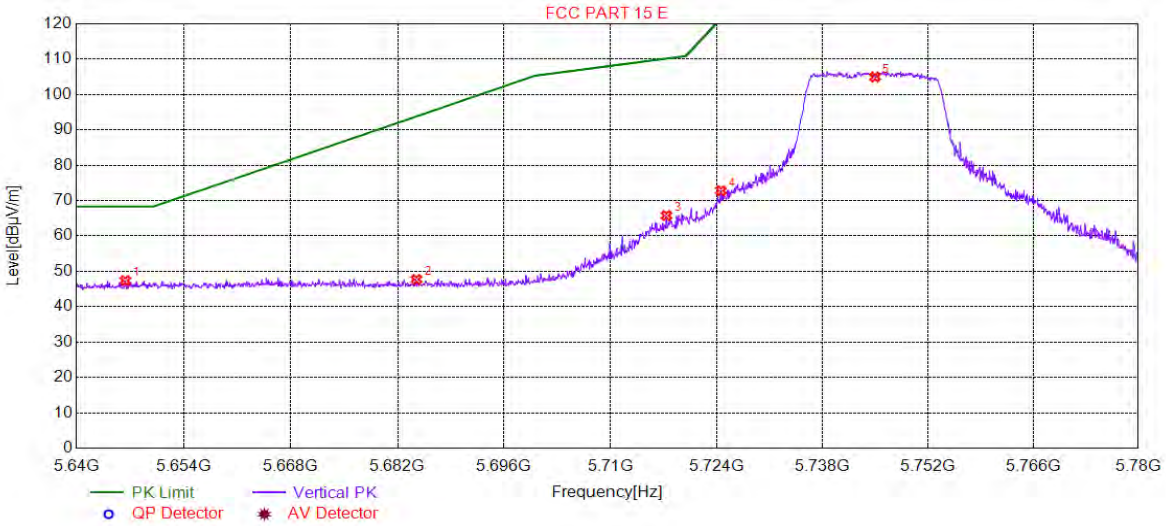
4.10.1.29 11N20_149_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5646.3732	47.37	16.53	68.30	20.93	150	163	Vertical
2	5684.4722	47.70	16.72	93.81	46.11	150	250	Vertical
3	5717.3887	65.79	16.91	110.17	44.38	150	172	Vertical
4	5724.6023	72.82	16.96	121.39	48.57	150	191	Vertical
5	5745.0000	104.96	17.09	0.00	-104.96	150	195	Vertical

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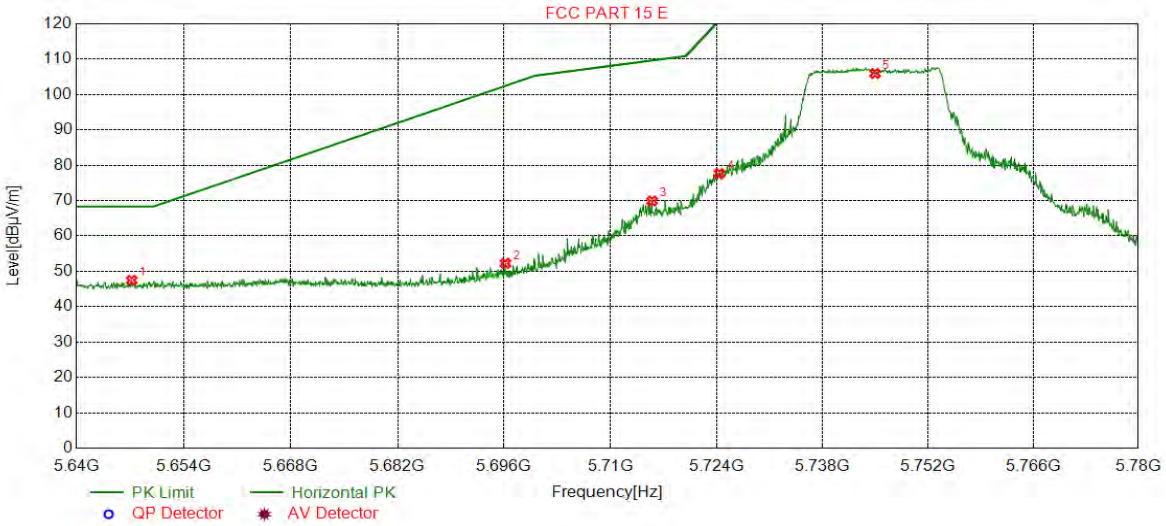
4.10.1.30 11N20_149_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5647.2136	47.46	16.53	68.30	20.84	150	360	Horizontal
2	5696.1681	52.25	16.78	102.46	50.21	150	231	Horizontal
3	5715.4977	69.90	16.90	109.64	39.74	150	231	Horizontal
4	5724.3922	77.65	16.96	120.91	43.26	150	231	Horizontal
5	5745.0000	105.95	17.09	0.00	-105.95	150	236	Horizontal

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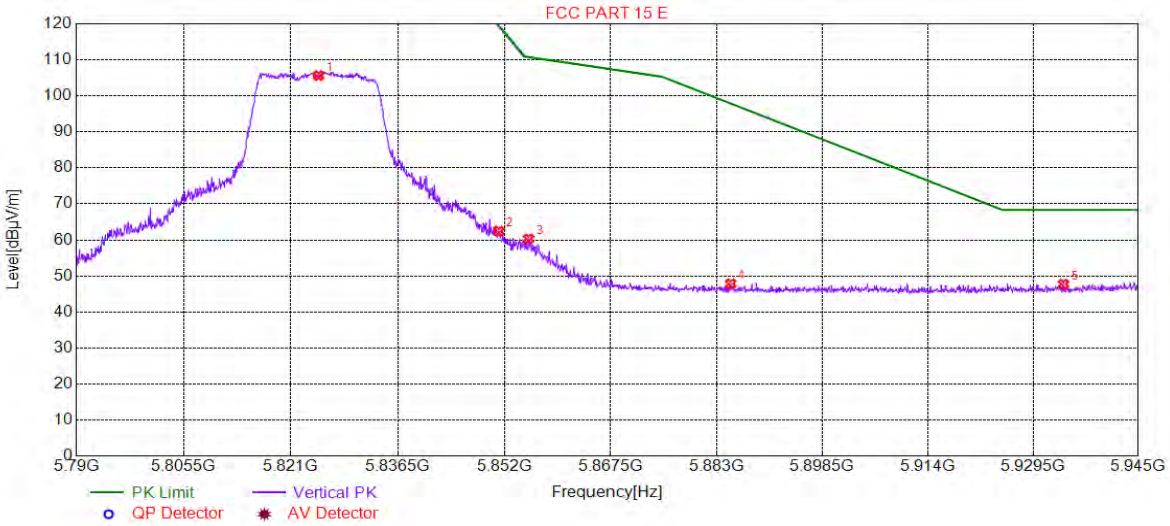
4.10.1.31 11N20_161_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5825.0000	105.63	17.23	0.00	-105.63	150	188	Vertical
2	5851.1781	62.46	17.26	119.61	57.15	150	149	Vertical
3	5855.5203	60.30	17.24	110.75	50.45	150	197	Vertical
4	5885.0625	47.83	17.15	97.85	50.02	150	220	Vertical
5	5933.9895	47.74	17.63	68.30	20.56	150	53	Vertical

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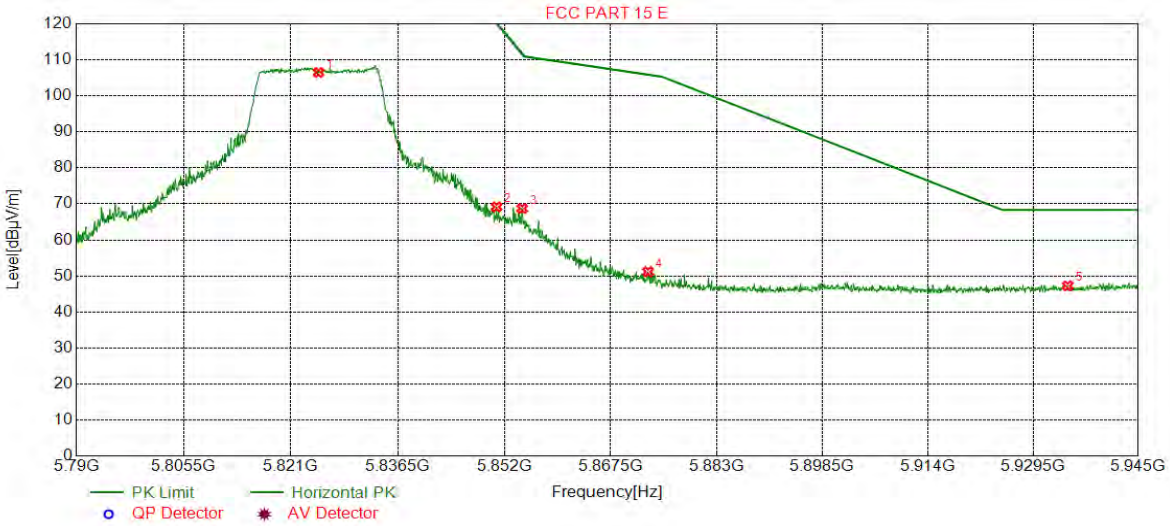
4.10.1.32 11N20_161_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5825.0000	106.47	17.23	0.00	-106.47	150	235	Horizontal
2	5850.8679	69.17	17.26	120.32	51.15	150	360	Horizontal
3	5854.5898	68.72	17.25	111.84	43.12	150	230	Horizontal
4	5872.9665	51.19	17.19	105.87	54.68	150	355	Horizontal
5	5934.6098	47.27	17.64	68.30	21.03	150	317	Horizontal

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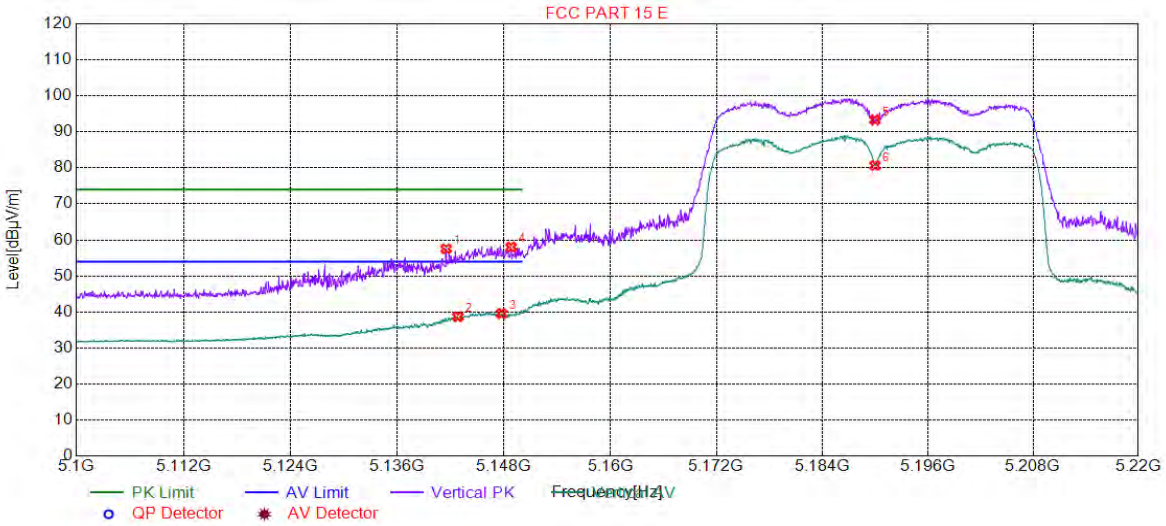
4.10.1.33 11N40_38_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5141.4807	57.57	15.45	74.00	16.43	150	338	Vertical
2	5142.8014	38.69	15.46	54.00	15.31	150	14	Vertical
3	5147.7239	39.55	15.50	54.00	14.45	150	148	Vertical
4	5148.8044	58.03	15.51	74.00	15.97	150	14	Vertical
5	5190.0000	93.32	15.58	0.00	-93.32	150	90	Vertical
6	5190.0000	80.65	15.58	0.00	-80.65	150	84	Vertical

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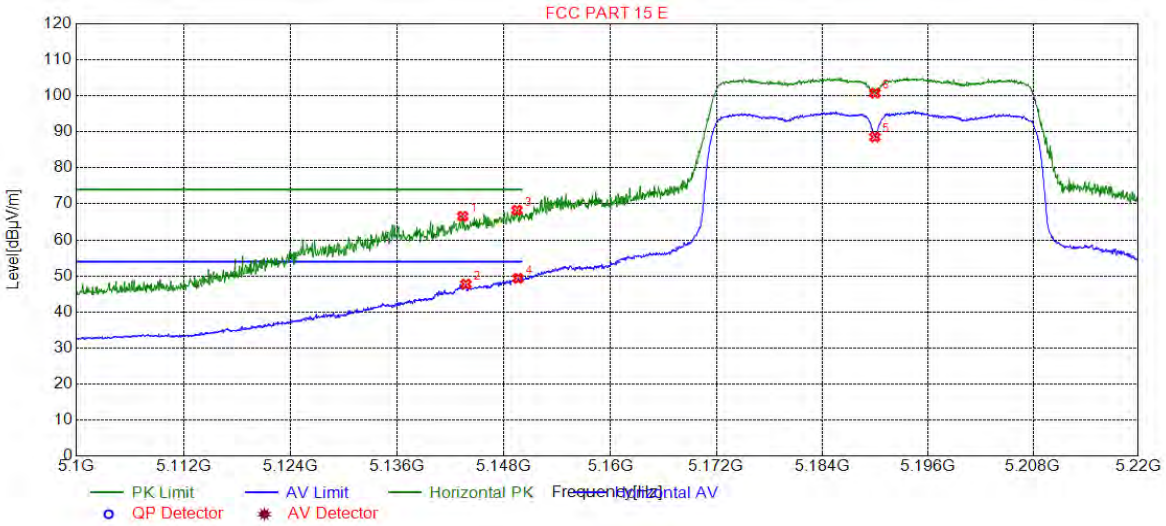
4.10.1.34 11N40_38_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5143.3417	66.54	15.46	74.00	7.46	150	161	Horizontal
2	5143.7019	47.73	15.47	54.00	6.27	150	166	Horizontal
3	5149.4647	68.26	15.52	74.00	5.74	150	52	Horizontal
4	5149.5848	49.34	15.52	54.00	4.66	150	58	Horizontal
5	5190.0000	88.56	15.58	0.00	-88.56	150	58	Horizontal
6	5190.0000	100.74	15.58	0.00	-100.74	150	112	Horizontal

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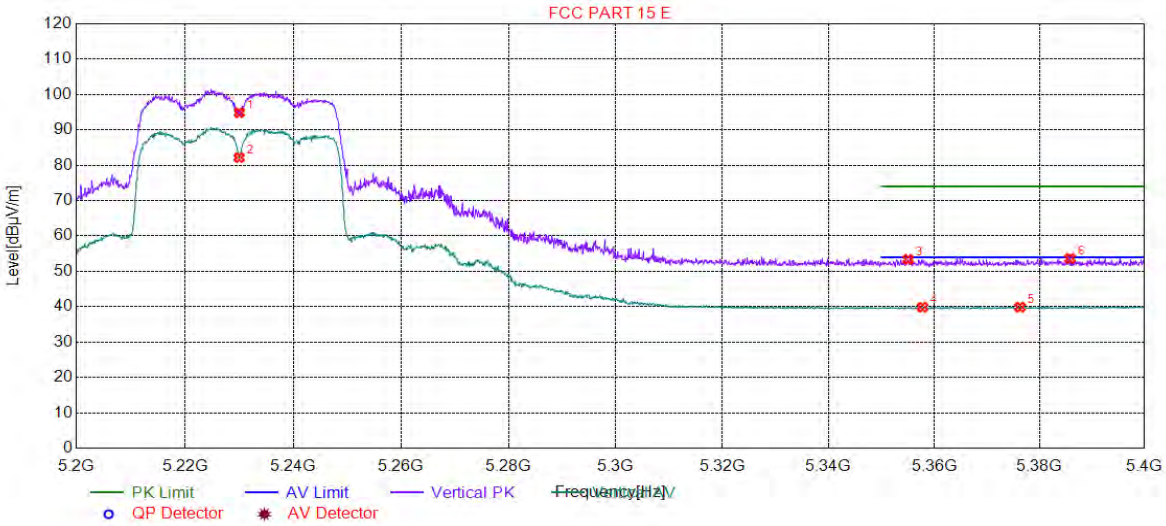
4.10.1.35 11N40_46_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5230.0000	94.85	15.51	0.00	-94.85	150	330	Vertical
2	5230.0000	82.17	15.51	0.00	-82.17	150	330	Vertical
3	5355.0775	53.38	15.97	74.00	20.62	150	22	Vertical
4	5357.7789	39.85	15.99	54.00	14.15	150	336	Vertical
5	5376.2881	39.89	16.10	54.00	14.11	150	179	Vertical
6	5385.7929	53.65	16.16	74.00	20.35	150	152	Vertical

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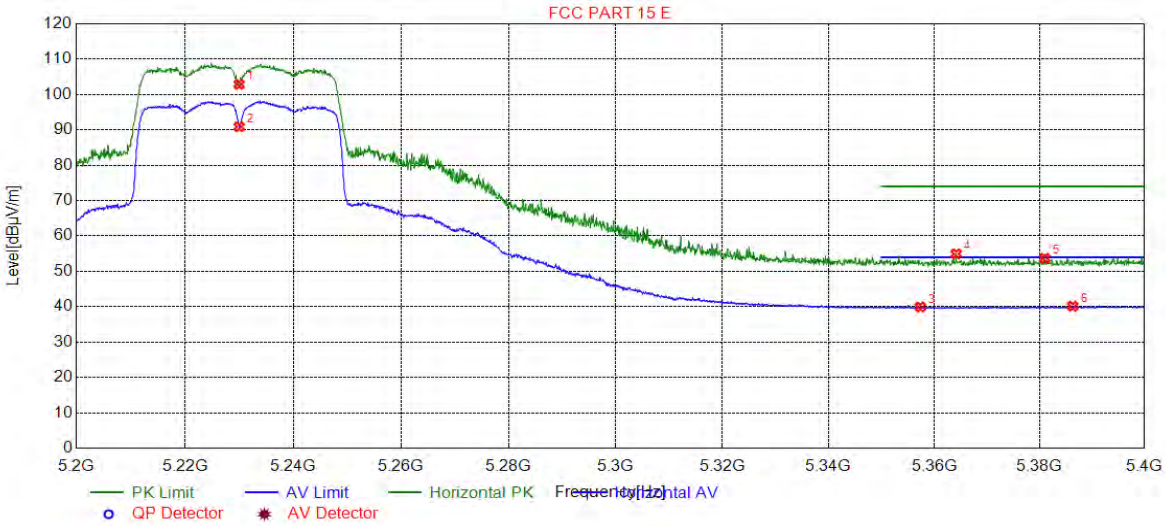
4.10.1.36 11N40_46_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5230.0000	102.89	15.51	0.00	-102.89	150	298	Horizontal
2	5230.0000	90.88	15.51	0.00	-90.88	150	221	Horizontal
3	5357.3787	39.94	15.99	54.00	14.06	150	248	Horizontal
4	5364.1821	54.95	16.03	74.00	19.05	150	270	Horizontal
5	5380.9905	53.71	16.13	74.00	20.29	150	277	Horizontal
6	5386.2931	40.15	16.17	54.00	13.85	150	324	Horizontal

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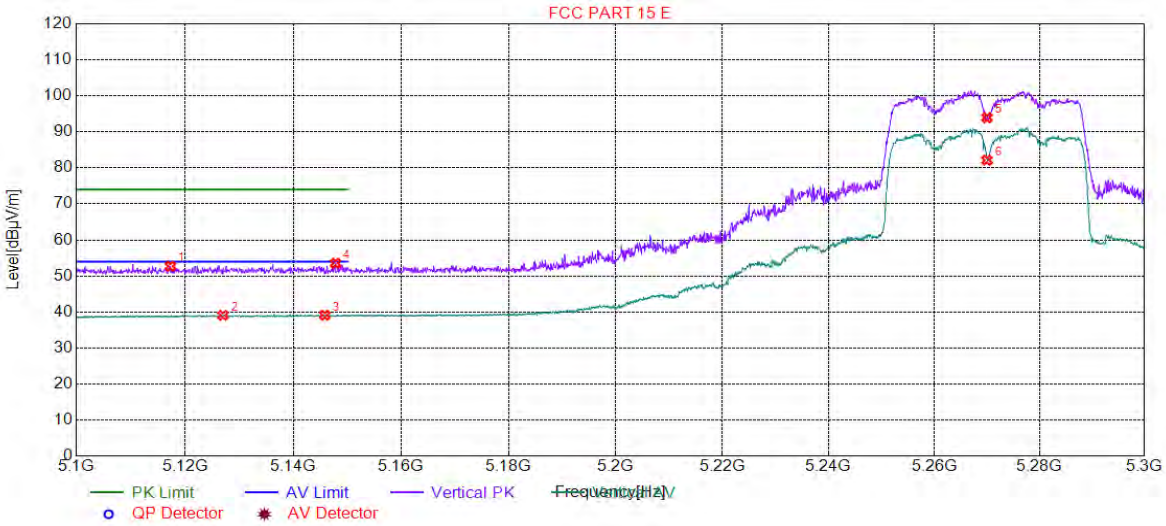
4.10.1.37 11N40_54_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5117.3087	52.71	15.24	74.00	21.29	150	314	Vertical
2	5127.0135	39.07	15.32	54.00	14.93	150	50	Vertical
3	5145.8229	39.11	15.48	54.00	14.89	150	266	Vertical
4	5147.8239	53.54	15.50	74.00	20.46	150	253	Vertical
5	5270.0000	93.92	15.56	0.00	-93.92	150	335	Vertical
6	5270.0000	82.13	15.56	0.00	-82.13	150	335	Vertical

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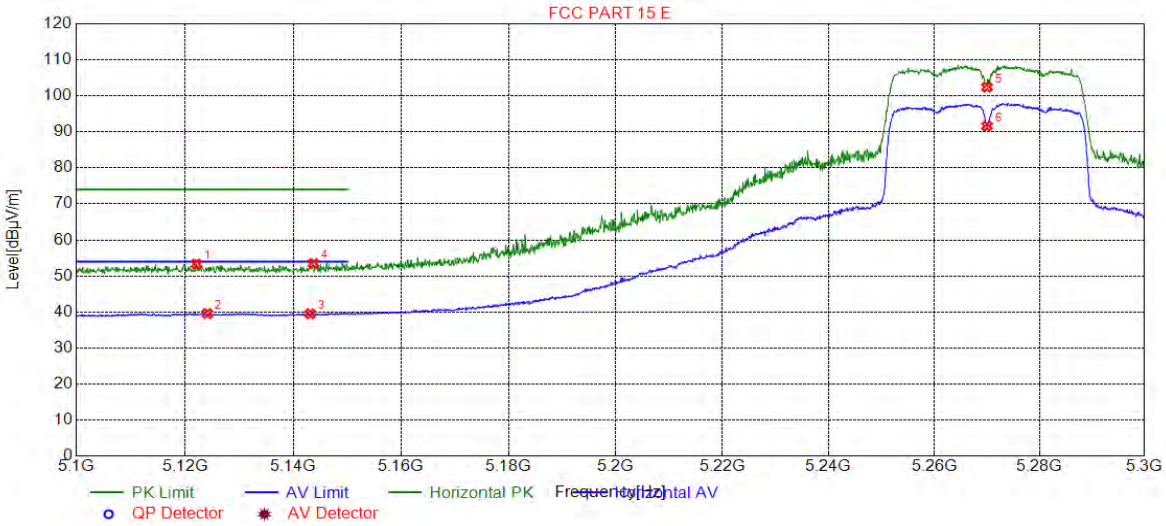
4.10.1.38 11N40_54_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5122.1111	53.34	15.28	74.00	20.66	150	82	Horizontal
2	5124.1121	39.56	15.30	54.00	14.44	150	68	Horizontal
3	5143.1216	39.52	15.46	54.00	14.48	150	243	Horizontal
4	5143.7219	53.45	15.47	74.00	20.55	150	14	Horizontal
5	5270.0000	102.44	15.56	0.00	-102.44	150	243	Horizontal
6	5270.0000	91.61	15.56	0.00	-91.61	150	243	Horizontal

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