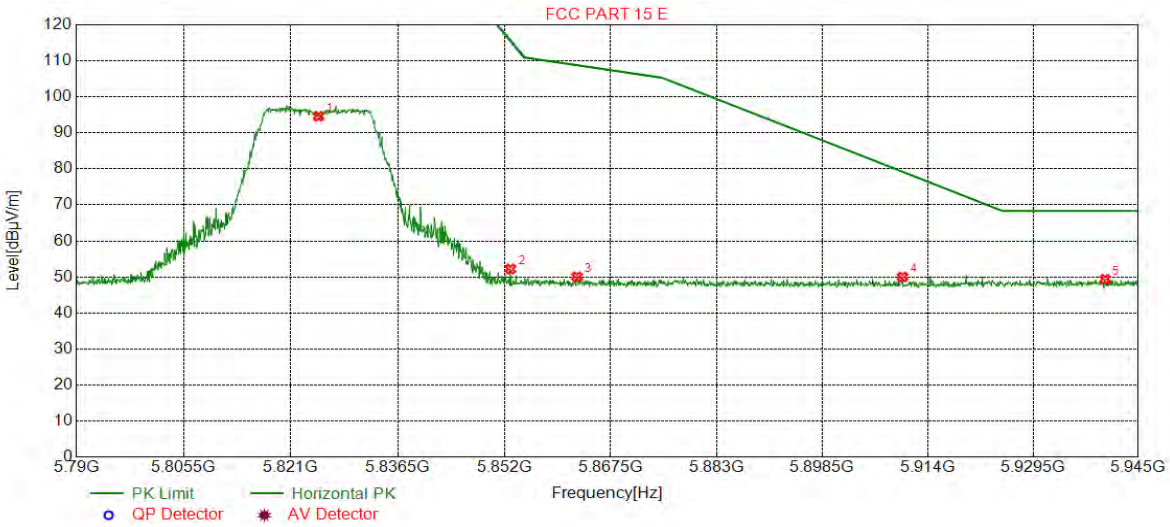
4.9.1.30 11N20_165 ANT 1_ Horizontal



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5825.0000	94.61	8.82	0.00	-94.61	150	330	Horizontal
2	5852.8839	52.23	8.90	115.72	63.49	150	147	Horizontal
3	5862.5763	50.04	8.93	108.78	58.74	150	12	Horizontal
4	5910.2626	49.99	9.07	79.21	29.22	150	164	Horizontal
5	5940.1151	49.37	9.16	68.30	18.93	150	313	Horizontal

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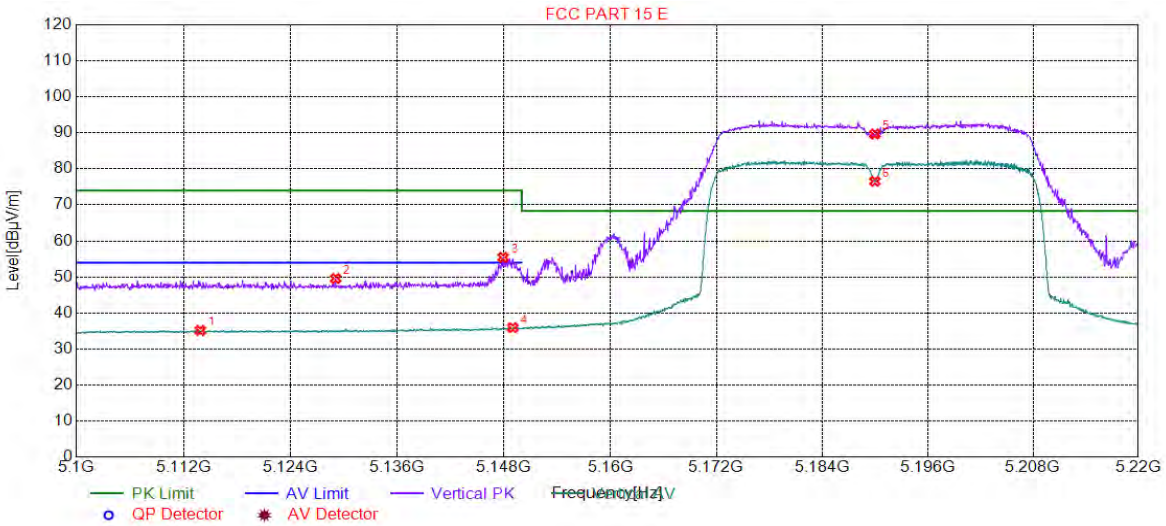
4.9.1.31 11N40_38 ANT 1_Vertical



NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5113.8669	35.13	7.49	54.00	18.87	150	248	Vertical
2	5129.0545	49.57	7.52	74.00	24.43	150	168	Vertical
3	5147.9040	55.44	7.55	74.00	18.56	150	241	Vertical
4	5148.9845	35.92	7.55	54.00	18.08	150	245	Vertical
5	5190.0000	89.70	7.62	68.30	-21.40	150	271	Vertical
6	5190.0000	76.54	7.62	0.00	-76.54	150	267	Vertical

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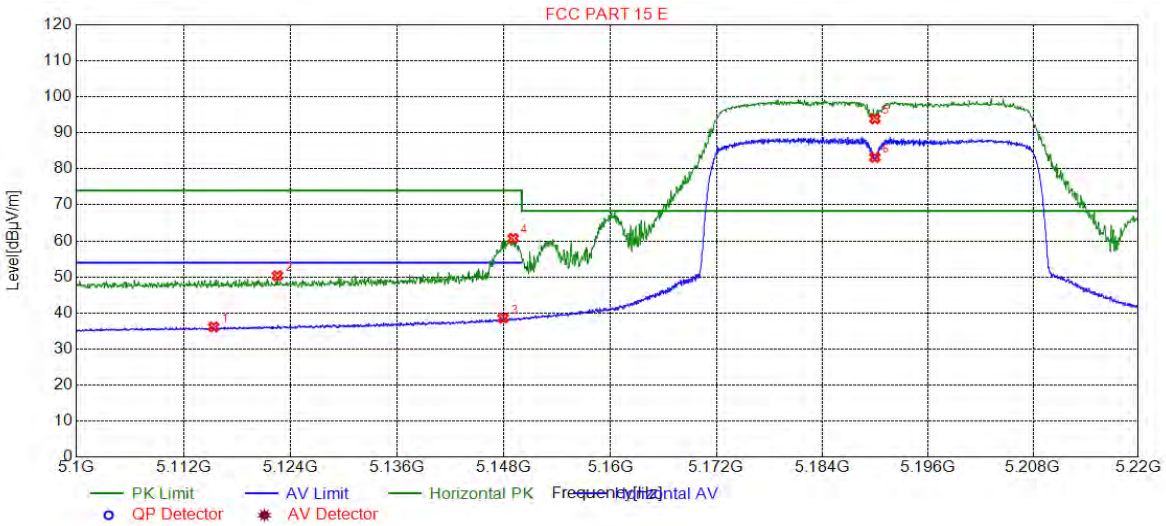
4.9.1.32 11N40_38 ANT 1_ Horizontal



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5115.3677	36.14	7.50	54.00	17.86	150	123	Horizontal
2	5122.5113	50.31	7.51	74.00	23.69	150	127	Horizontal
3	5147.9040	38.60	7.55	54.00	15.40	150	127	Horizontal
4	5149.0445	60.73	7.55	74.00	13.27	150	119	Horizontal
5	5190.0000	93.90	7.62	68.30	-25.60	150	296	Horizontal
6	5190.0000	83.17	7.62	0.00	-83.17	150	123	Horizontal

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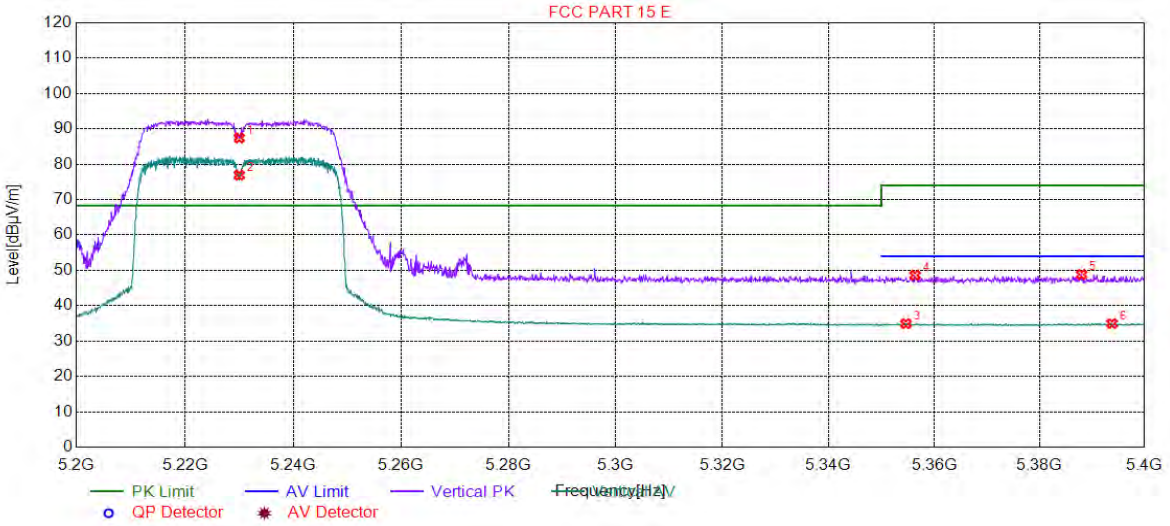
4.9.1.33 11N40_46 ANT 1_Vertical



NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5230.0000	87.41	7.67	68.30	-19.11	150	246	Vertical
2	5230.0000	76.93	7.67	0.00	-76.93	150	246	Vertical
3	5354.6773	34.93	7.85	54.00	19.07	150	225	Vertical
4	5356.3782	48.62	7.85	74.00	25.38	150	211	Vertical
5	5387.9940	48.83	7.92	74.00	25.17	150	289	Vertical
6	5393.7969	34.95	7.93	54.00	19.05	150	326	Vertical

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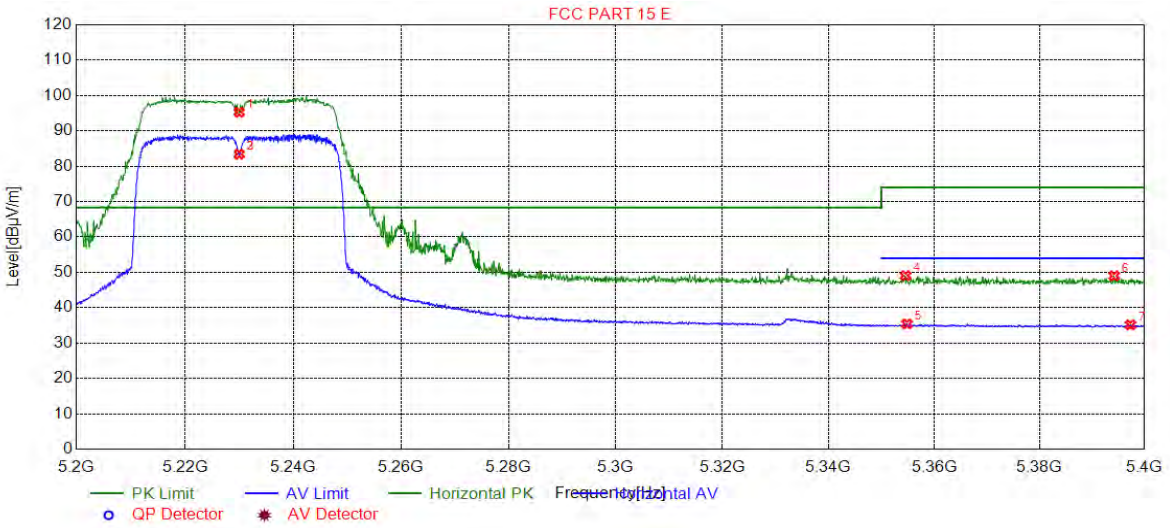
4.9.1.34 11N40_46 ANT 1_ Horizontal



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5230.0000	95.25	7.67	68.30	-26.95	150	118	Horizontal
2	5230.0000	83.41	7.67	0.00	-83.41	150	118	Horizontal
3	5230.0000	83.41	7.67	0.00	-83.41	150	118	Horizontal
4	5354.5773	49.05	7.85	74.00	24.95	150	263	Horizontal
5	5354.8774	35.42	7.85	54.00	18.58	150	301	Horizontal
6	5394.1971	48.99	7.93	74.00	25.01	150	287	Horizontal
7	5397.2986	35.16	7.93	54.00	18.84	150	118	Horizontal

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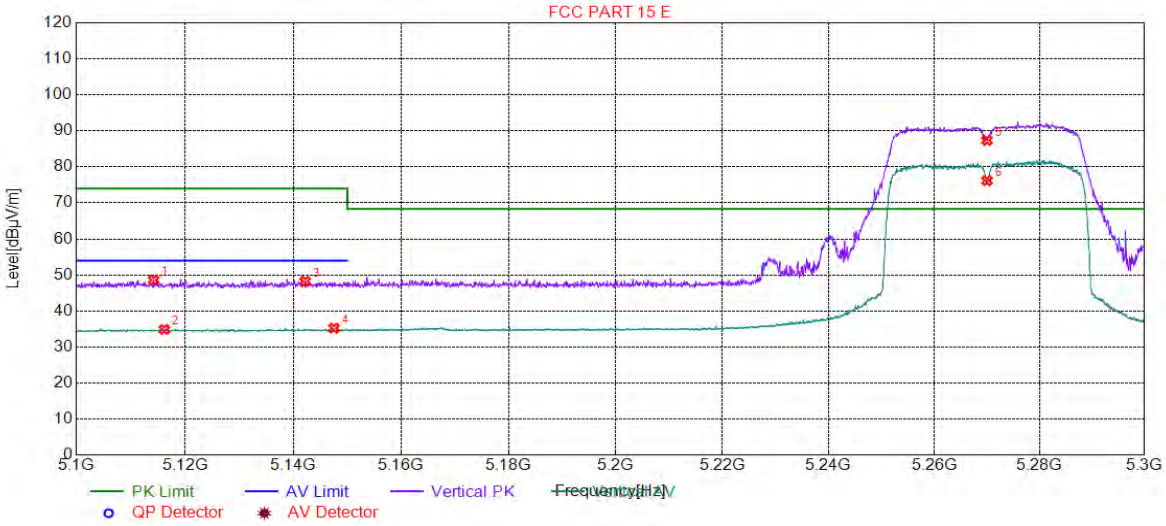
4.9.1.35 11N40_54 ANT 1_Vertical



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5114.2071	48.60	7.49	74.00	25.40	150	345	Vertical
2	5116.2081	34.88	7.50	54.00	19.12	150	68	Vertical
3	5142.2211	48.26	7.54	74.00	25.74	150	188	Vertical
4	5147.5238	35.22	7.55	54.00	18.78	150	259	Vertical
5	5270.0000	87.36	7.71	68.30	-19.06	150	231	Vertical
6	5270.0000	76.18	7.71	0.00	-76.18	150	240	Vertical

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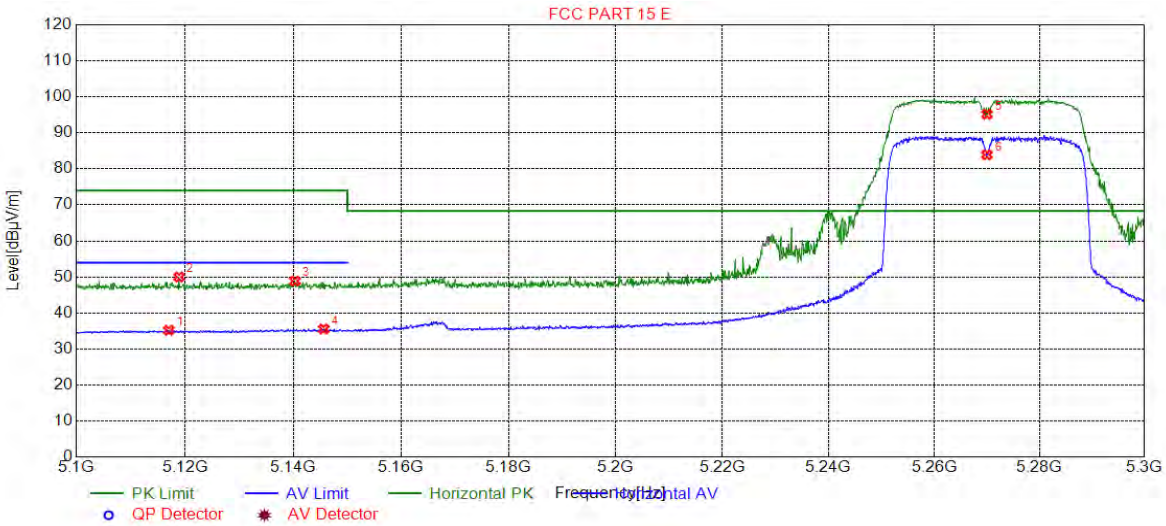
4.9.1.36 11N40_54 ANT 1_ Horizontal



NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5117.0085	35.20	7.50	54.00	18.80	150	125	Horizontal
2	5118.9095	49.99	7.50	74.00	24.01	150	357	Horizontal
3	5140.3202	48.87	7.54	74.00	25.13	150	54	Horizontal
4	5145.6228	35.55	7.55	54.00	18.45	150	125	Horizontal
5	5270.0000	95.16	7.71	68.30	-26.86	150	130	Horizontal
6	5270.0000	83.90	7.71	0.00	-83.90	150	125	Horizontal

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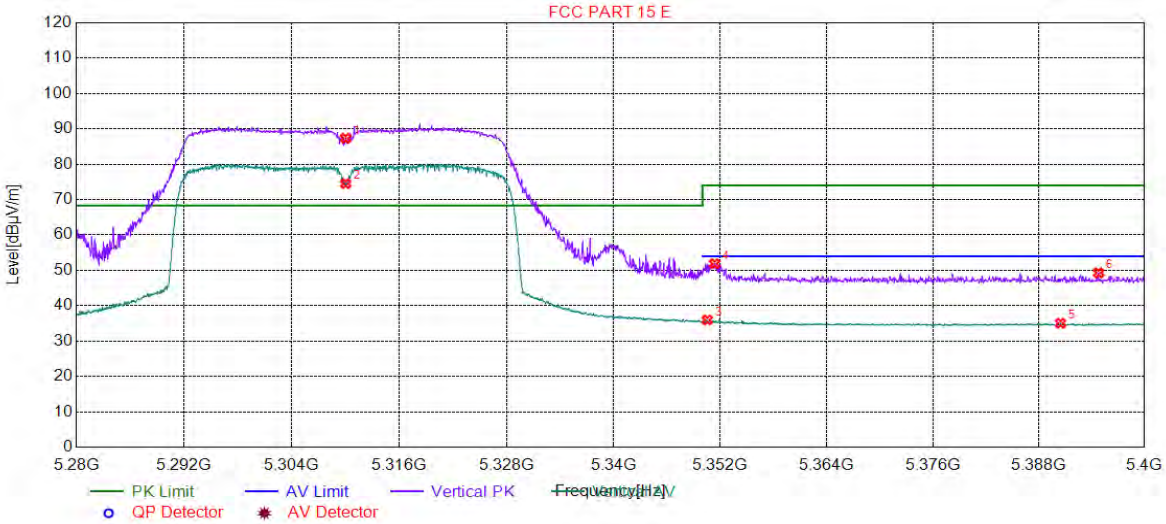
4.9.1.37 11N40_62 ANT 1_Vertical



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5310.0000	87.34	7.76	68.30	-19.04	150	246	Vertical
2	5310.0000	74.54	7.76	0.00	-74.54	150	240	Vertical
3	5350.5353	35.97	7.84	54.00	18.03	150	240	Vertical
4	5351.3757	51.88	7.84	74.00	22.12	150	235	Vertical
5	5390.4552	35.07	7.92	54.00	18.93	150	196	Vertical
6	5394.7774	49.31	7.93	74.00	24.69	150	230	Vertical

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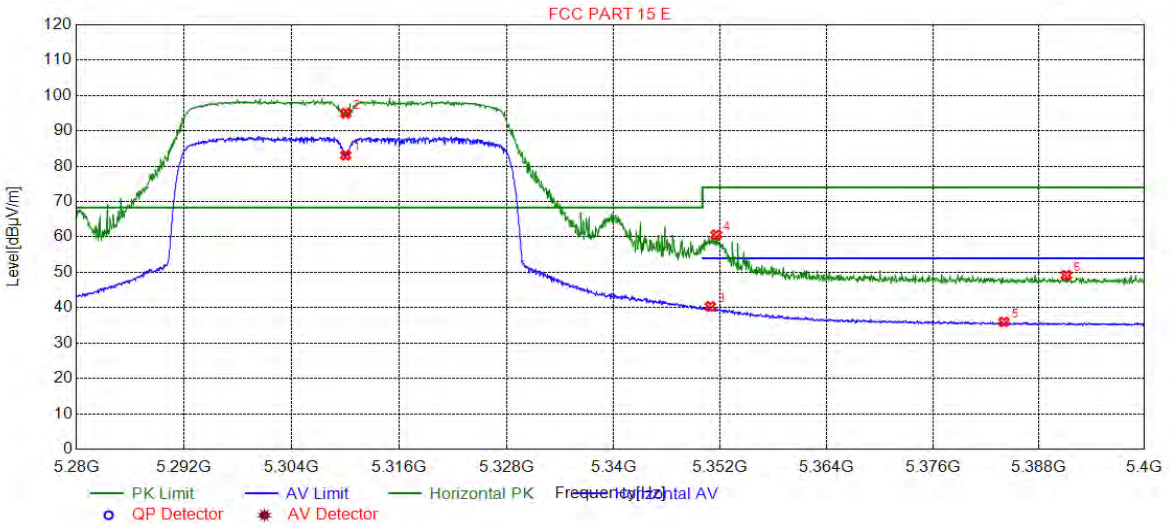
4.9.1.38 11N40_62 ANT 1_ Horizontal



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5310.0000	83.11	7.76	0.00	-83.11	150	119	Horizontal
2	5310.0000	94.97	7.76	68.30	-26.67	150	130	Horizontal
3	5350.8954	40.37	7.84	54.00	13.63	150	125	Horizontal
4	5351.5558	60.59	7.84	74.00	13.41	150	125	Horizontal
5	5384.0320	35.97	7.91	54.00	18.03	150	125	Horizontal
6	5391.1156	49.16	7.92	74.00	24.84	150	130	Horizontal

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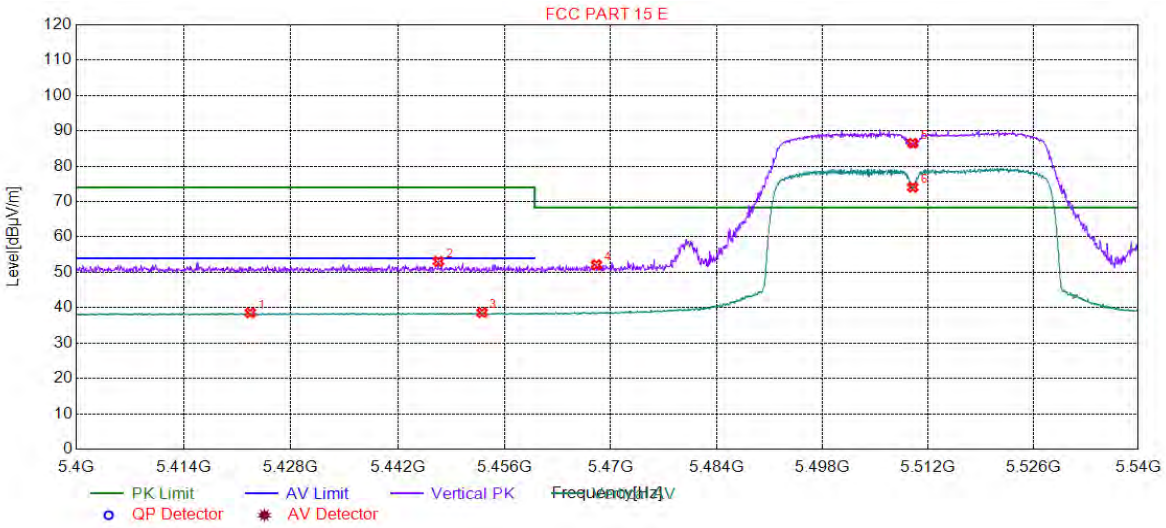
4.9.1.39 11N40_102 ANT 1_Vertical



NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5422.6913	38.56	7.98	54.00	15.44	150	301	Vertical
2	5447.3437	53.10	8.02	74.00	20.90	150	106	Vertical
3	5453.0865	38.60	8.02	54.00	15.40	150	24	Vertical
4	5468.1441	52.15	8.05	68.30	16.15	150	6	Vertical
5	5510.0000	86.50	8.13	68.30	-18.20	150	39	Vertical
6	5510.0000	74.06	8.13	0.00	-74.06	150	24	Vertical

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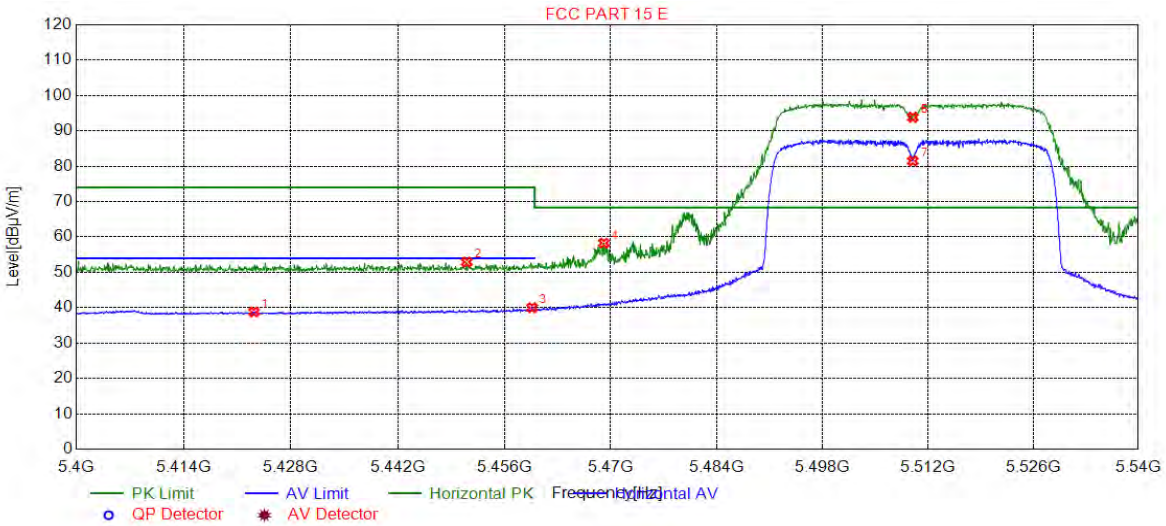
4.9.1.40 11N40_102 ANT 1_ Horizontal



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5423.1816	38.81	7.98	54.00	15.19	150	128	Horizontal
2	5451.0555	52.92	8.02	74.00	21.08	150	105	Horizontal
3	5459.6698	40.01	8.04	54.00	13.99	150	119	Horizontal
4	5469.1246	58.27	8.05	68.30	10.03	150	128	Horizontal
5	5510.0000	93.85	8.13	68.30	-25.55	150	133	Horizontal
6	5510.0000	93.85	8.13	68.30	-25.55	150	133	Horizontal
7	5510.0000	81.48	8.13	0.00	-81.48	150	119	Horizontal

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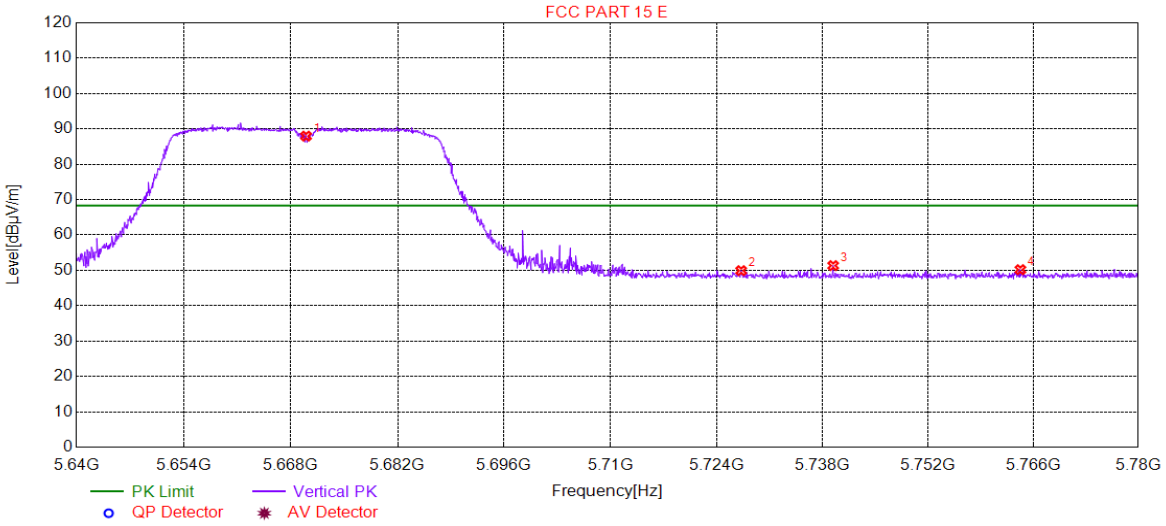
4.9.1.41 11N40_134 ANT 1_Vertical



NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5670.0000	87.95	8.46	68.30	-19.65	150	40	Vertical
2	5727.2636	49.92	8.57	68.30	18.38	150	344	Vertical
3	5739.4497	51.34	8.60	68.30	16.96	150	114	Vertical
4	5764.3122	50.19	8.66	68.30	18.11	150	128	Vertical

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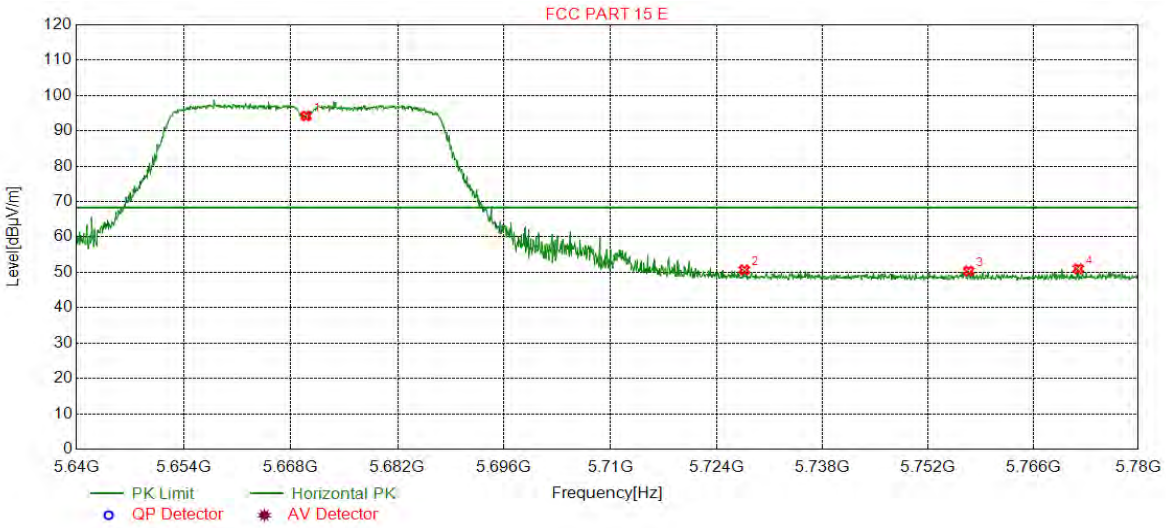
4.9.1.42 11N40_134 ANT 1_ Horizontal



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5670.0000	94.19	8.46	68.30	-25.89	150	118	Horizontal
2	5727.6838	50.69	8.57	68.30	17.61	150	132	Horizontal
3	5757.4487	50.39	8.64	68.30	17.91	150	325	Horizontal
4	5772.0160	51.02	8.68	68.30	17.28	150	269	Horizontal

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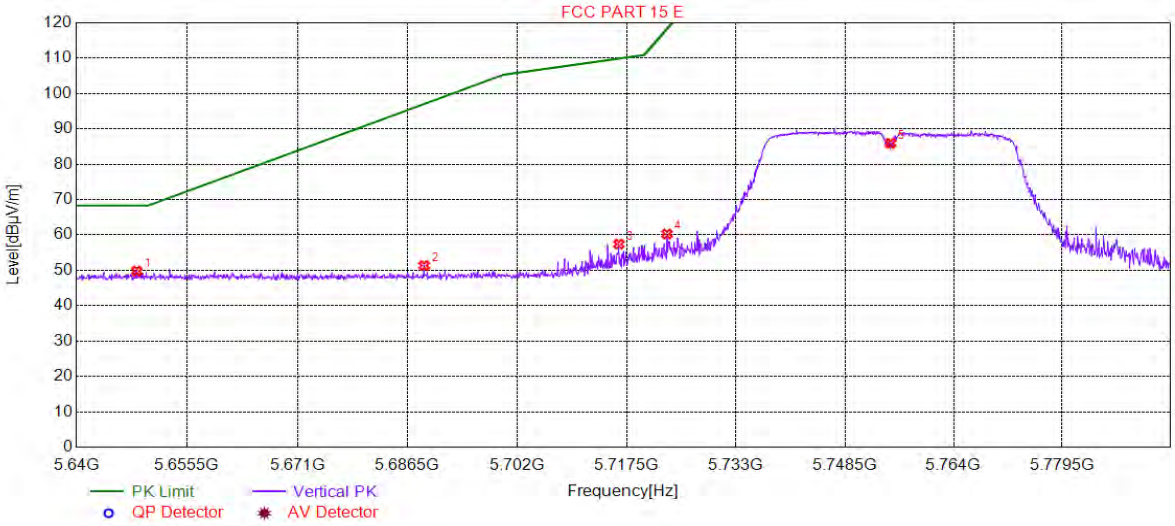
4.9.1.43 11N40_151 ANT 1_Vertical



NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5648.4517	49.82	8.43	68.30	18.48	150	190	Vertical
2	5688.8494	51.35	8.49	97.05	45.70	150	218	Vertical
3	5716.3757	57.43	8.55	109.89	52.46	150	7	Vertical
4	5723.1991	60.30	8.56	118.19	57.89	150	207	Vertical
5	5755.0000	85.94	8.64	0.00	-85.94	150	10	Vertical

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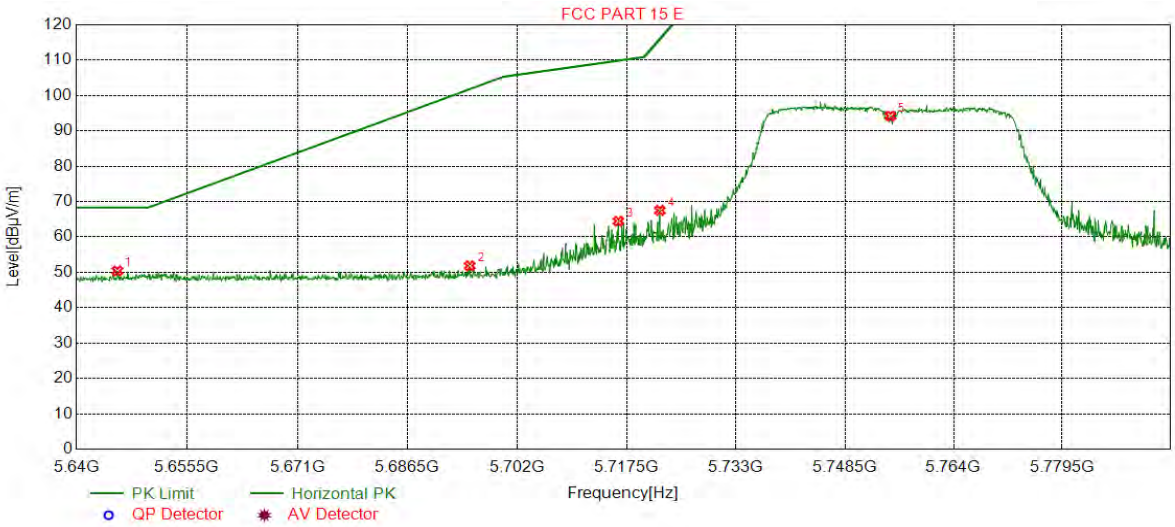
4.9.1.44 11N40_151 ANT 1_ Horizontal



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5645.7379	50.42	8.42	68.30	17.88	150	16	Horizontal
2	5695.2851	51.83	8.50	101.81	49.98	150	128	Horizontal
3	5716.2981	64.45	8.55	109.86	45.41	150	125	Horizontal
4	5722.1911	67.52	8.56	115.90	48.38	150	118	Horizontal
5	5755.0000	94.23	8.64	0.00	-94.23	150	118	Horizontal

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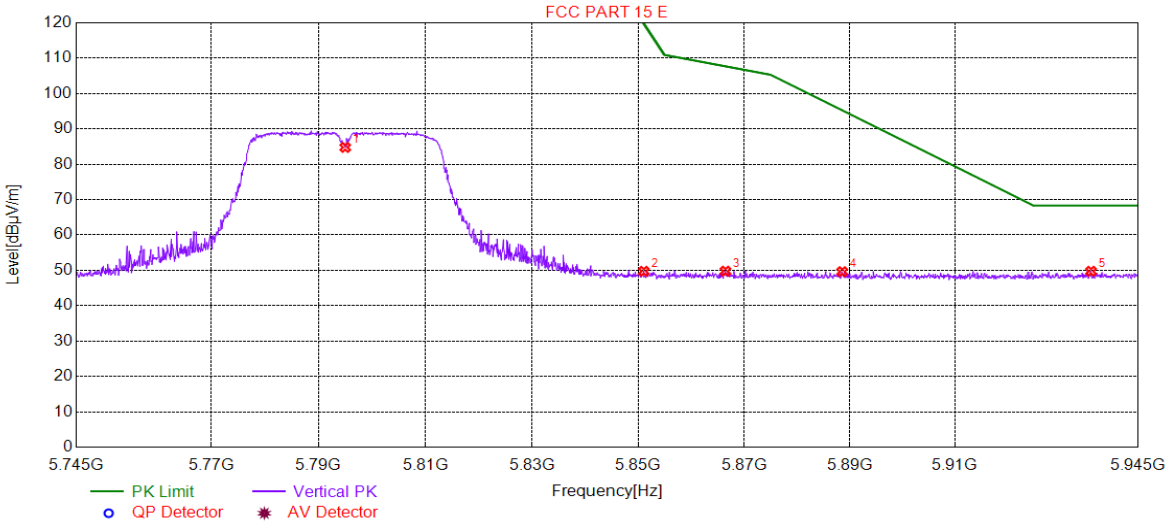
4.9.1.45 11N40_159 ANT 1_Vertical



NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5795.0000	84.76	8.73	0.00	-84.76	150	4	Vertical
2	5851.0530	49.74	8.89	119.90	70.16	150	316	Vertical
3	5866.4607	49.77	8.94	107.69	57.92	150	212	Vertical
4	5888.5718	49.63	9.01	95.26	45.63	150	85	Vertical
5	5935.9955	49.75	9.15	68.30	18.55	150	202	Vertical

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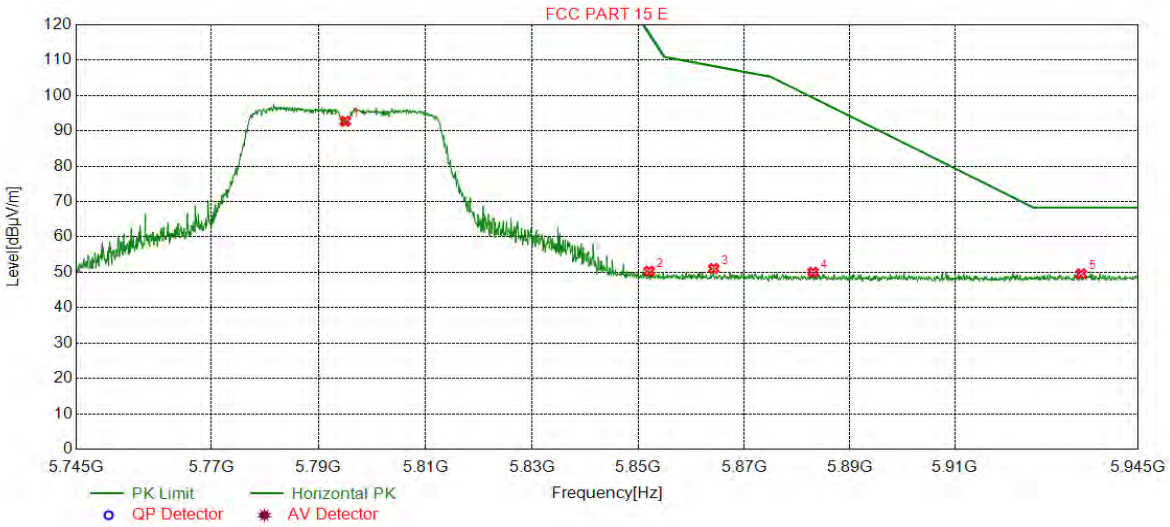
4.9.1.46 11N40_159 ANT 1_ Horizontal



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5795.0000	92.73	8.73	0.00	-92.73	150	123	Horizontal
2	5852.0535	50.34	8.90	117.62	67.28	150	59	Horizontal
3	5864.2596	51.07	8.93	108.31	57.24	150	248	Horizontal
4	5883.0690	50.02	8.99	99.33	49.31	150	298	Horizontal
5	5934.0945	49.58	9.14	68.30	18.72	150	244	Horizontal

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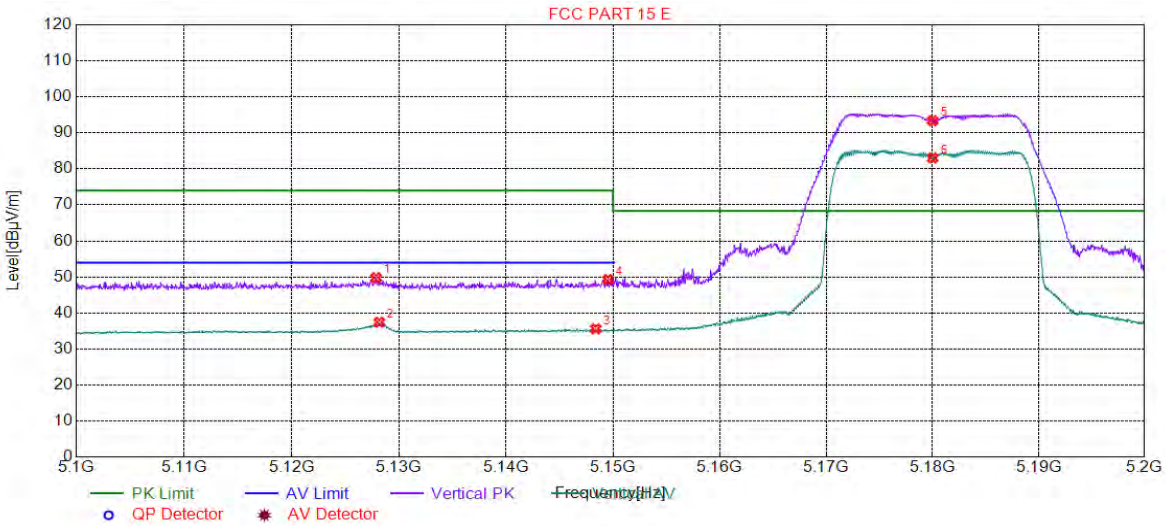
4.9.1.47 11AC20_36 ANT 1_Vertical



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5127.8639	49.78	7.52	74.00	24.22	150	244	Vertical
2	5128.1641	37.44	7.52	54.00	16.56	150	241	Vertical
3	5148.3742	35.60	7.55	54.00	18.40	150	267	Vertical
4	5149.5248	49.29	7.55	74.00	24.71	150	230	Vertical
5	5180.0000	93.38	7.61	68.30	-25.08	150	237	Vertical
6	5180.0000	83.03	7.61	0.00	-83.03	150	241	Vertical

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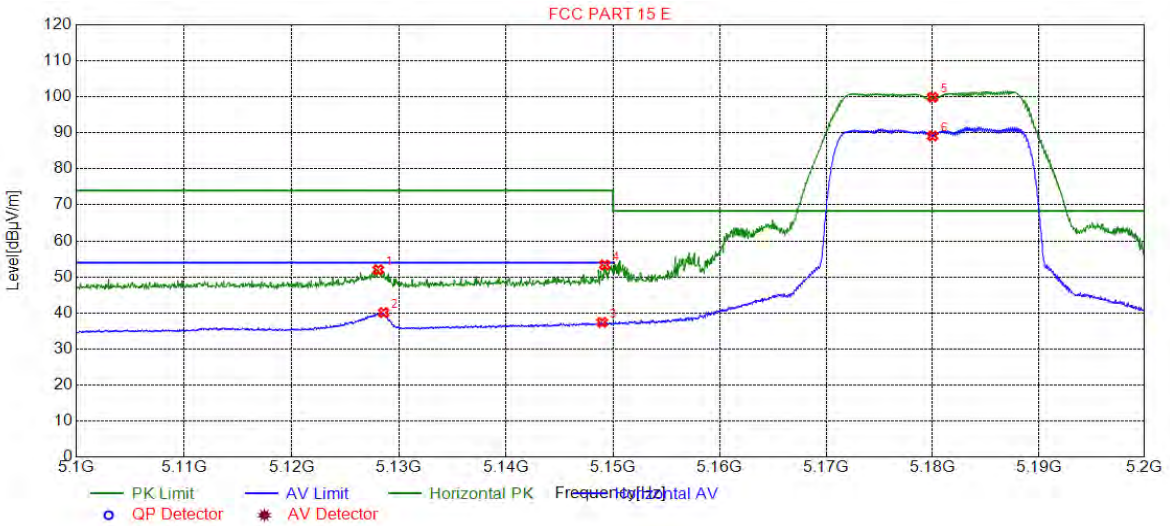
4.9.1.48 11AC20_36 ANT 1_ Horizontal



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5128.0640	52.00	7.52	74.00	22.00	150	126	Horizontal
2	5128.5643	40.09	7.52	54.00	13.91	150	122	Horizontal
3	5148.9745	37.39	7.55	54.00	16.61	150	122	Horizontal
4	5149.2246	53.32	7.55	74.00	20.68	150	126	Horizontal
5	5180.0000	99.86	7.61	68.30	-31.56	150	126	Horizontal
6	5180.0000	89.13	7.61	0.00	-89.13	150	122	Horizontal

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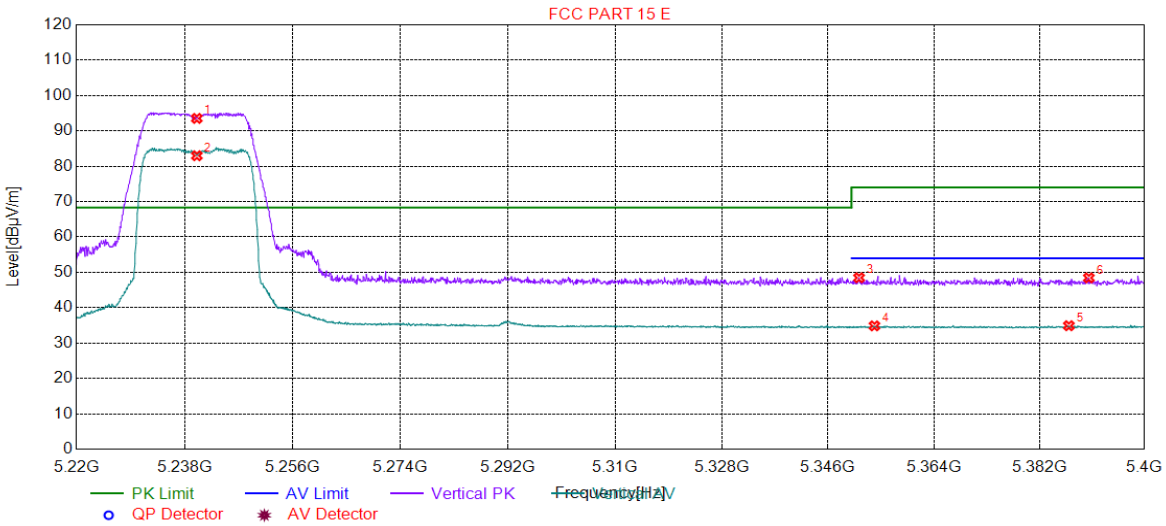
4.9.1.49 11AC20_48 ANT 1_Vertical



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5240.0000	93.53	7.68	68.30	-25.23	150	234	Vertical
2	5240.0000	82.97	7.68	0.00	-82.97	150	234	Vertical
3	5351.2856	48.47	7.84	74.00	25.53	150	287	Vertical
4	5353.8969	34.87	7.85	54.00	19.13	150	77	Vertical
5	5387.0335	34.91	7.91	54.00	19.09	150	296	Vertical
6	5390.4552	48.44	7.92	74.00	25.56	150	214	Vertical

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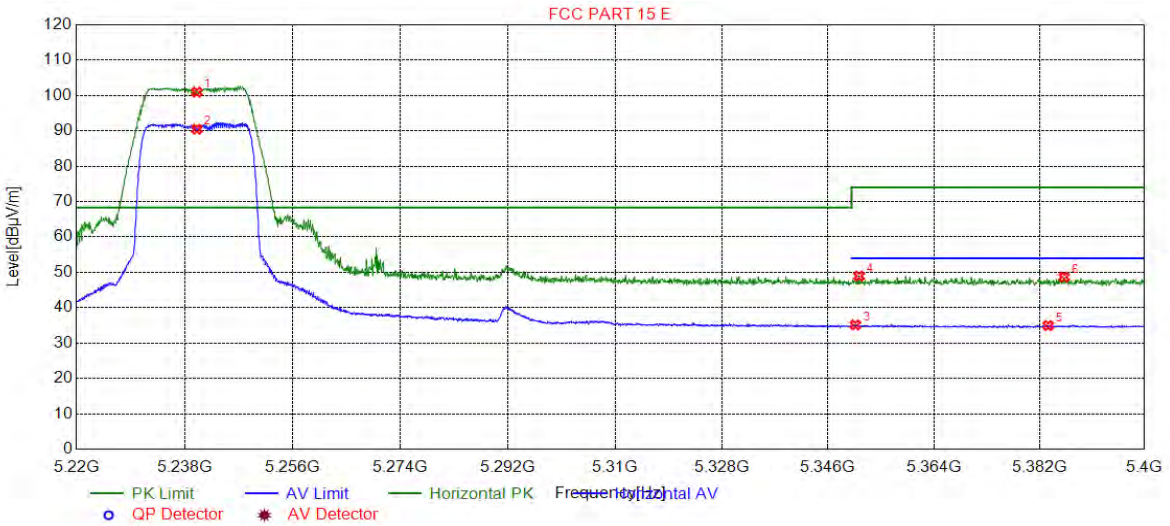
4.9.1.50 11AC20_48 ANT 1_ Horizontal



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5240.0000	100.95	7.68	68.30	-32.65	150	123	Horizontal
2	5240.0000	90.48	7.68	0.00	-90.48	150	123	Horizontal
3	5350.6553	35.14	7.84	54.00	18.86	150	114	Horizontal
4	5351.2856	48.96	7.84	74.00	25.04	150	132	Horizontal
5	5383.5218	34.96	7.91	54.00	19.04	150	109	Horizontal
6	5386.2231	48.67	7.91	74.00	25.33	150	118	Horizontal

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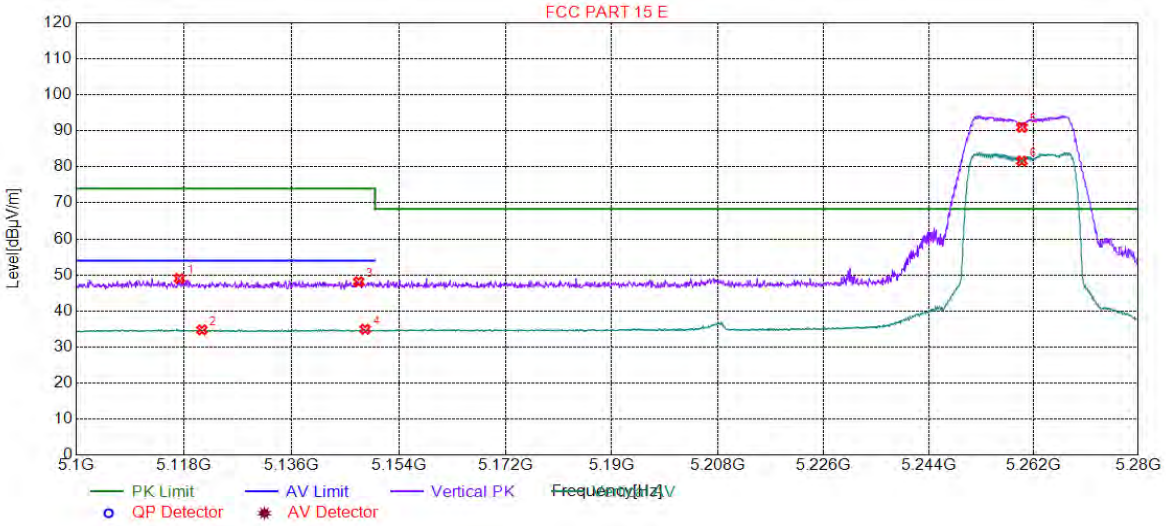
4.9.1.51 11AC20_52 ANT 1_Vertical



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5117.1986	49.04	7.50	74.00	24.96	150	107	Vertical
2	5120.9805	34.75	7.51	54.00	19.25	150	234	Vertical
3	5147.2736	48.12	7.55	74.00	25.88	150	92	Vertical
4	5148.3542	34.93	7.55	54.00	19.07	150	239	Vertical
5	5260.0000	90.96	7.70	68.30	-22.66	150	229	Vertical
6	5260.0000	81.63	7.70	0.00	-81.63	150	243	Vertical

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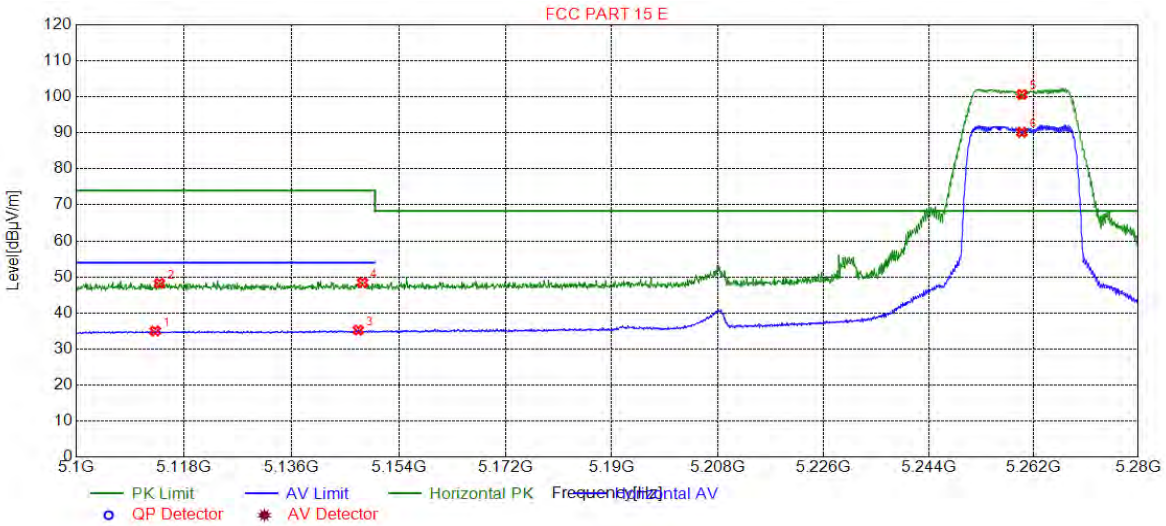
4.9.1.52 11AC20_52 ANT 1_ Horizontal



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5113.1466	34.99	7.49	54.00	19.01	150	130	Horizontal
2	5113.8669	48.25	7.49	74.00	25.75	150	282	Horizontal
3	5147.1836	35.24	7.55	54.00	18.76	150	125	Horizontal
4	5147.9040	48.45	7.55	74.00	25.55	150	73	Horizontal
5	5260.0000	100.67	7.70	68.30	-32.37	150	125	Horizontal
6	5260.0000	90.15	7.70	0.00	-90.15	150	120	Horizontal

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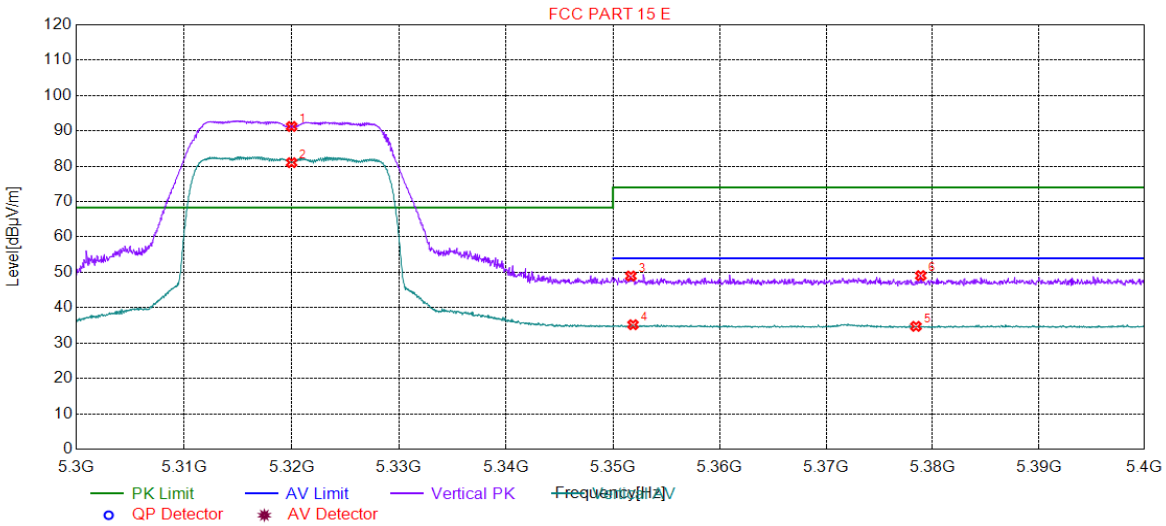
4.9.1.53 11AC20_64 ANT 1_Vertical



NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5320.0000	91.24	7.78	68.30	-22.94	150	241	Vertical
2	5320.0000	81.01	7.78	0.00	-81.01	150	241	Vertical
3	5351.6758	48.97	7.84	74.00	25.03	150	160	Vertical
4	5351.8759	35.20	7.84	54.00	18.80	150	269	Vertical
5	5378.4392	34.73	7.90	54.00	19.27	150	26	Vertical
6	5378.8894	49.07	7.90	74.00	24.93	150	222	Vertical

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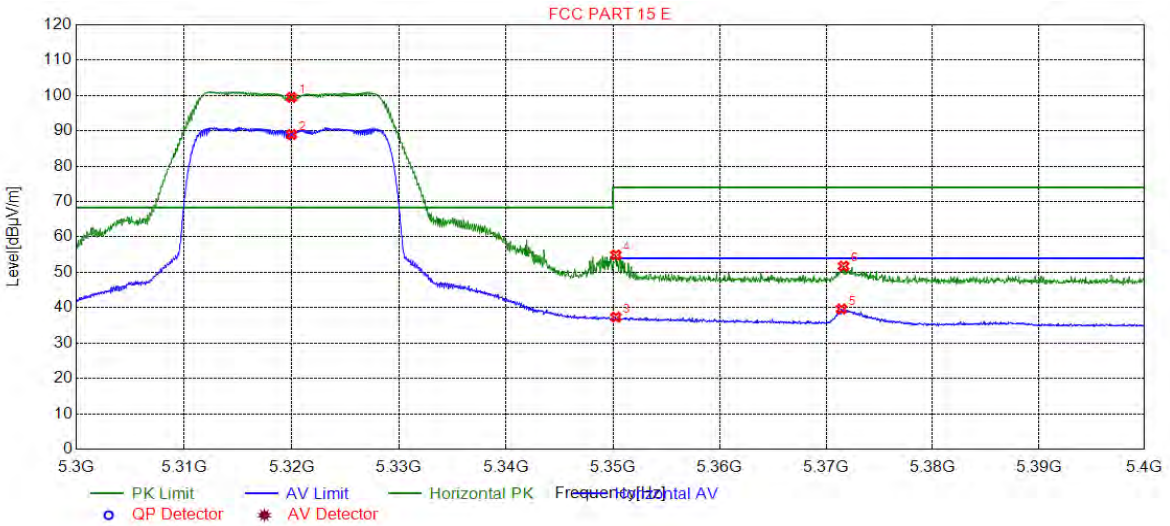
4.9.1.54 11AC20_64 ANT 1_ Horizontal



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5320.0000	99.48	7.78	68.30	-31.18	150	123	Horizontal
2	5320.0000	88.98	7.78	0.00	-88.98	150	123	Horizontal
3	5350.2751	37.34	7.84	54.00	16.66	150	119	Horizontal
4	5350.2751	54.93	7.84	74.00	19.07	150	123	Horizontal
5	5371.4357	39.64	7.88	54.00	14.36	150	123	Horizontal
6	5371.6358	51.78	7.88	74.00	22.22	150	123	Horizontal

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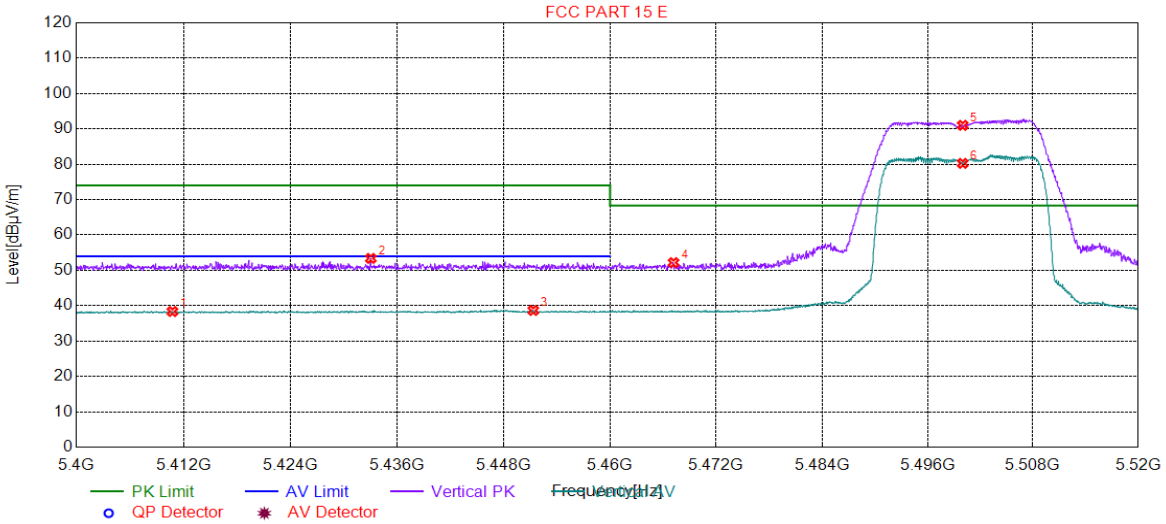
4.9.1.55 11AC20_100 ANT 1_Vertical



NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5410.7454	38.37	7.96	54.00	15.63	150	69	Vertical
2	5433.0165	53.38	7.99	74.00	20.62	150	328	Vertical
3	5451.3257	38.67	8.02	54.00	15.33	150	267	Vertical
4	5467.1736	52.18	8.05	68.30	16.12	150	73	Vertical
5	5500.0000	91.00	8.10	68.30	-22.70	150	24	Vertical
6	5500.0000	80.25	8.10	0.00	-80.25	150	27	Vertical

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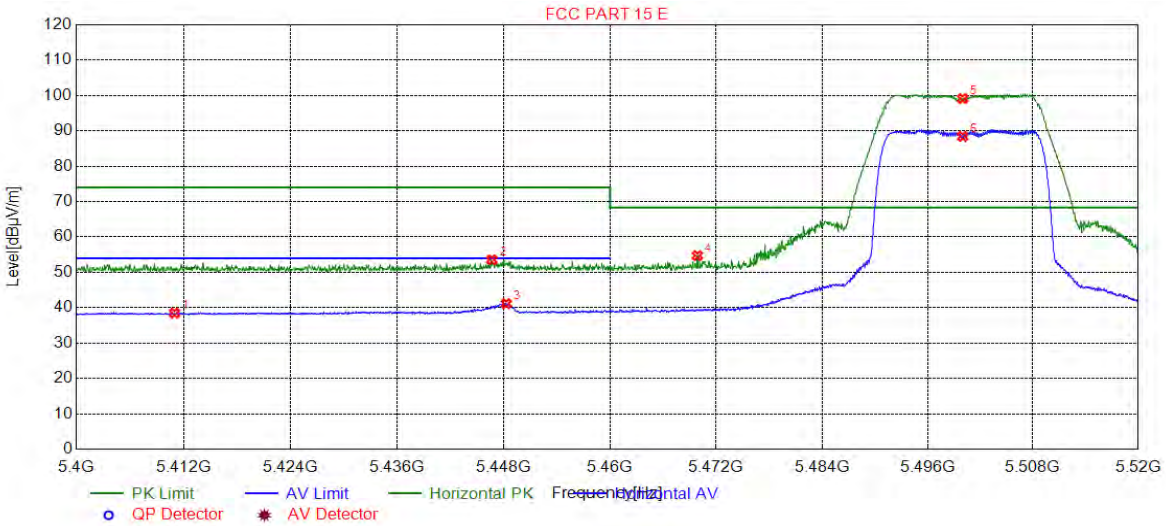
4.9.1.56 11AC20_100 ANT 1_ Horizontal



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5410.9855	38.48	7.96	54.00	15.52	150	109	Horizontal
2	5446.6433	53.53	8.01	74.00	20.47	150	128	Horizontal
3	5448.2641	41.15	8.02	54.00	12.85	150	120	Horizontal
4	5469.8749	54.74	8.05	68.30	13.56	150	124	Horizontal
5	5500.0000	99.14	8.10	68.30	-30.84	150	120	Horizontal
6	5500.0000	88.43	8.10	0.00	-88.43	150	120	Horizontal

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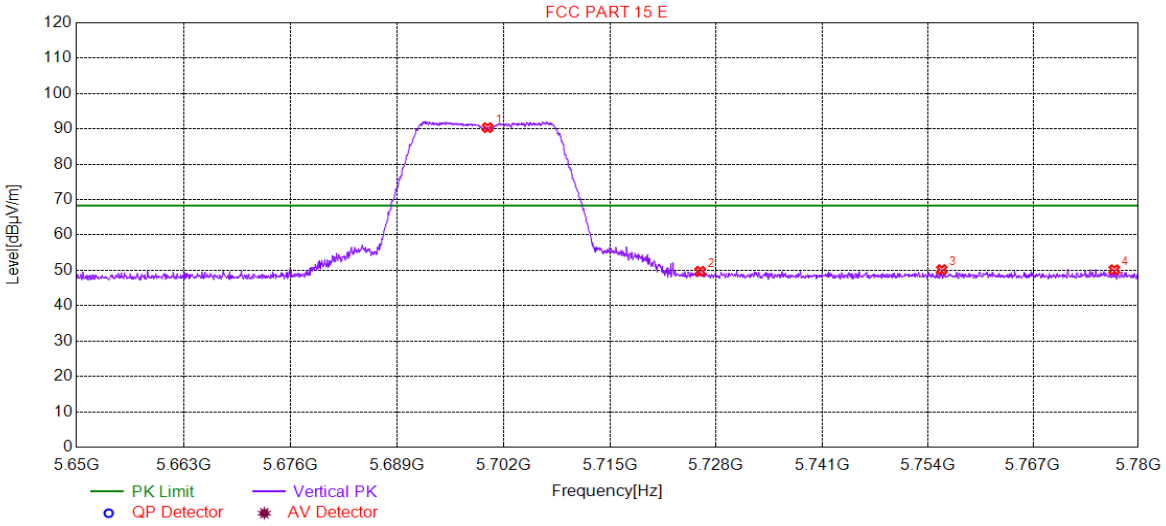
4.9.1.57 11AC20_140 ANT 1_Vertical



NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5700.0000	90.35	8.51	68.30	-22.05	150	42	Vertical
2	5726.0230	49.73	8.57	68.30	18.57	150	208	Vertical
3	5755.7429	50.20	8.64	68.30	18.10	150	271	Vertical
4	5777.0735	50.17	8.69	68.30	18.13	150	53	Vertical

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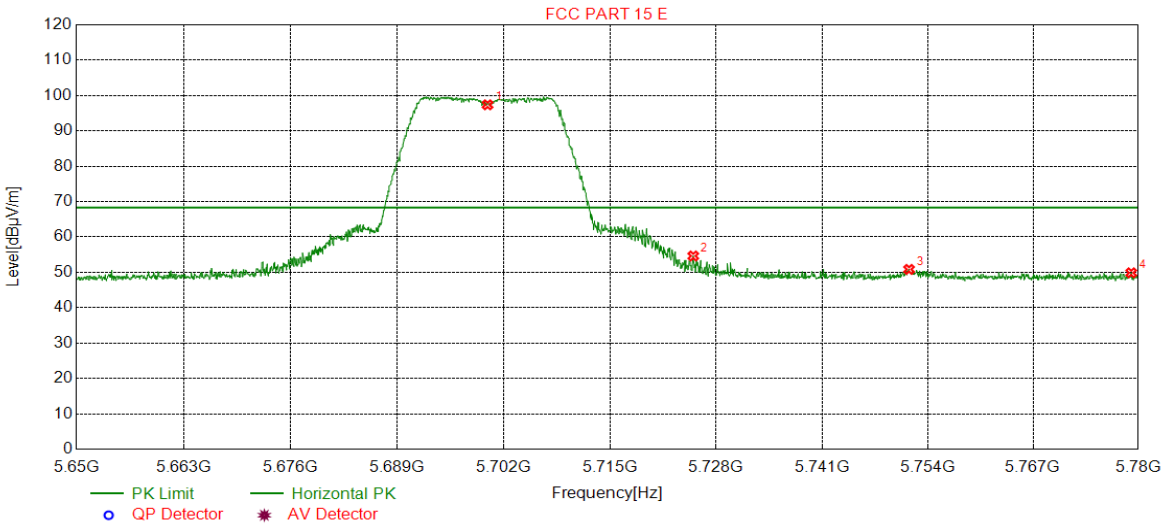
4.9.1.58 11AC20_140 ANT 1_ Horizontal



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5700.0000	97.38	8.51	68.30	-29.08	150	118	Horizontal
2	5725.1776	54.63	8.57	68.30	13.67	150	121	Horizontal
3	5751.7109	50.84	8.63	68.30	17.46	150	121	Horizontal
4	5779.1546	49.87	8.69	68.30	18.43	150	110	Horizontal

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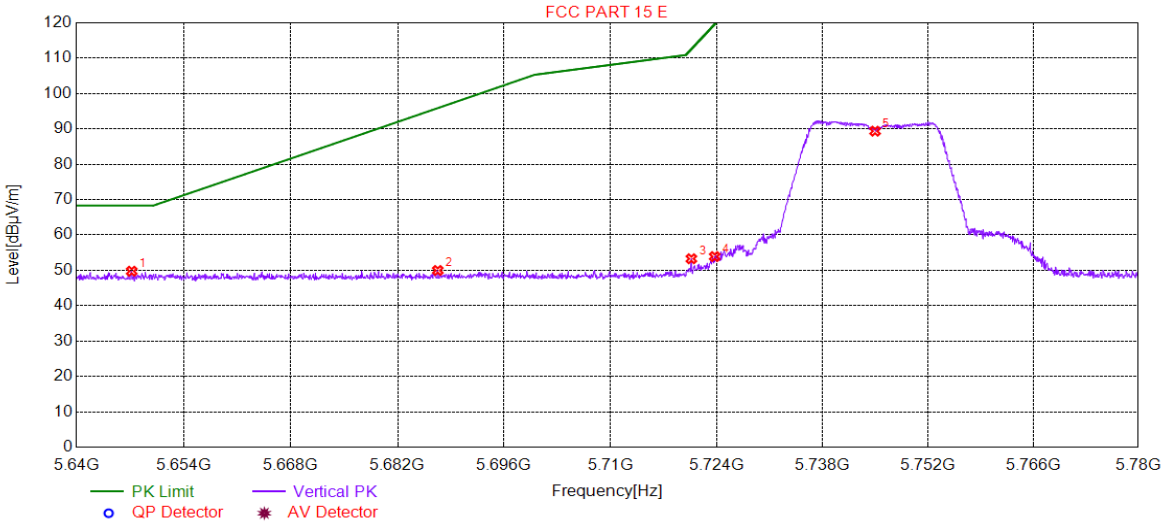
4.9.1.59 11AC20_149 ANT 1_Vertical



NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5647.2136	49.76	8.43	68.30	18.54	150	204	Vertical
2	5687.2736	49.97	8.49	95.88	45.91	150	92	Vertical
3	5720.6803	53.28	8.56	112.45	59.17	150	60	Vertical
4	5723.7619	53.90	8.56	119.48	65.58	150	9	Vertical
5	5745.0000	89.36	8.61	0.00	-89.36	150	200	Vertical

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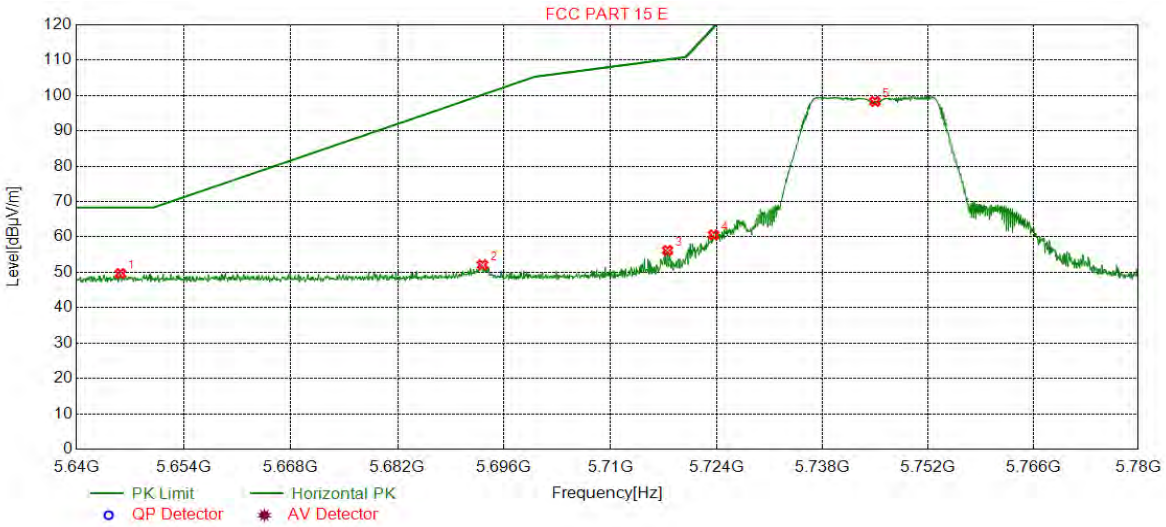
4.9.1.60 11AC20_149 ANT 1_ Horizontal



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5645.7429	49.66	8.42	68.30	18.64	150	15	Horizontal
2	5693.1566	52.12	8.50	100.24	48.12	150	121	Horizontal
3	5717.5288	56.20	8.55	110.21	54.01	150	121	Horizontal
4	5723.6218	60.59	8.56	119.16	58.57	150	121	Horizontal
5	5745.0000	98.31	8.61	0.00	-98.31	150	121	Horizontal

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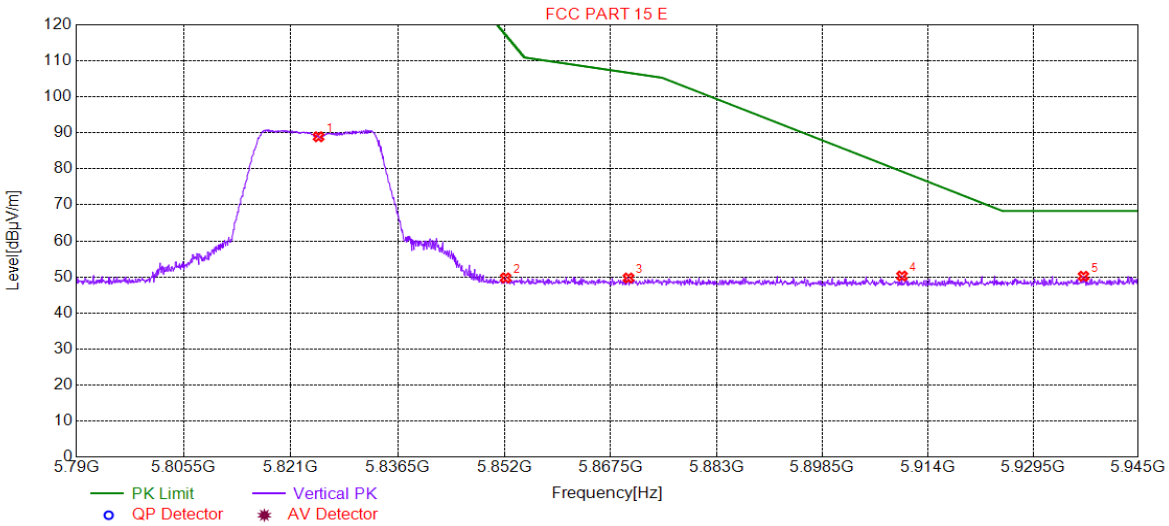
4.9.1.61 11AC20_165 ANT 1_Vertical



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5825.0000	88.91	8.82	0.00	-88.91	150	200	Vertical
2	5852.1861	49.74	8.90	117.32	67.58	150	48	Vertical
3	5870.0975	49.72	8.95	106.67	56.95	150	143	Vertical
4	5910.1851	50.27	9.07	79.26	28.99	150	224	Vertical
5	5936.9360	50.20	9.15	68.30	18.10	150	110	Vertical

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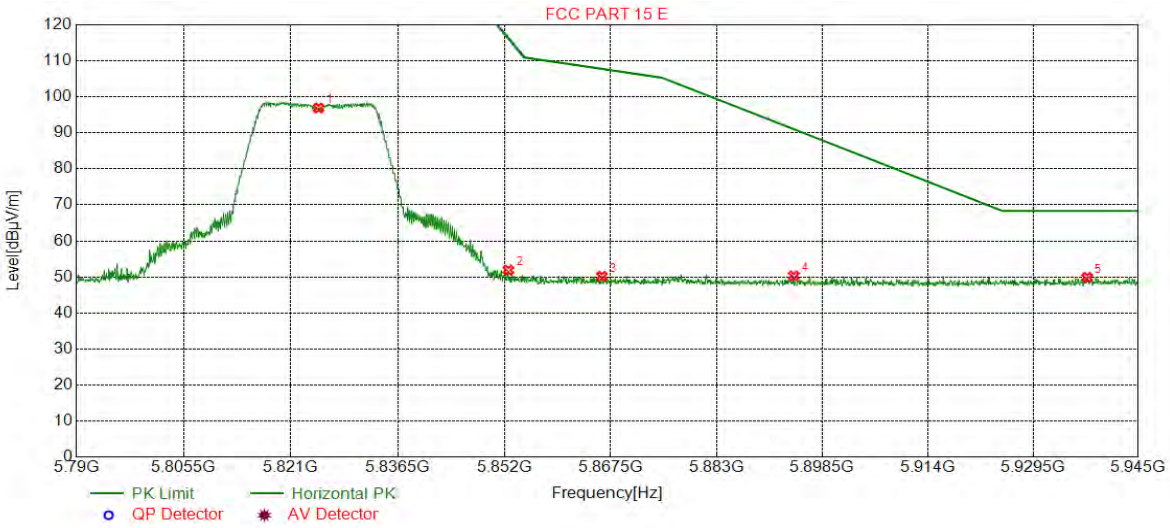
4.9.1.62 11AC20_165 ANT 1_ Horizontal



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5825.0000	96.91	8.82	0.00	-96.91	150	122	Horizontal
2	5852.5738	51.91	8.90	116.43	64.52	150	118	Horizontal
3	5866.2206	50.17	8.94	107.76	57.59	150	276	Horizontal
4	5894.2896	50.28	9.02	91.03	40.75	150	146	Horizontal
5	5937.4787	49.88	9.15	68.30	18.42	150	16	Horizontal

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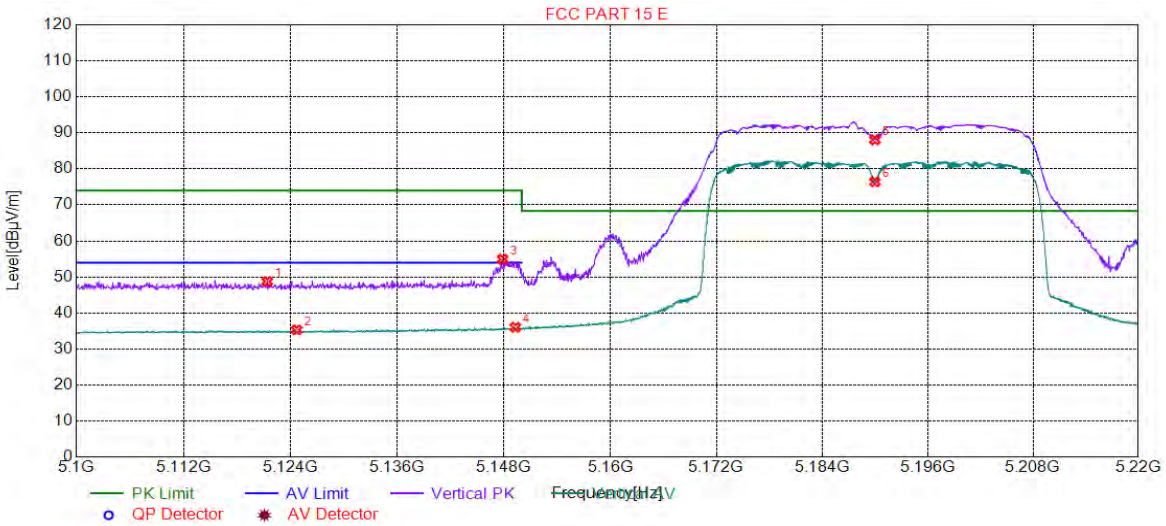
4.9.1.63 11AC40_38 ANT 1_ Vertical



NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5121.3707	48.75	7.51	74.00	25.25	150	342	Vertical
2	5124.6723	35.30	7.51	54.00	18.70	150	244	Vertical
3	5147.8439	54.94	7.55	74.00	19.06	150	244	Vertical
4	5149.2846	36.03	7.55	54.00	17.97	150	244	Vertical
5	5190.0000	88.08	7.62	68.30	-19.78	150	240	Vertical
6	5190.0000	76.38	7.62	0.00	-76.38	150	240	Vertical

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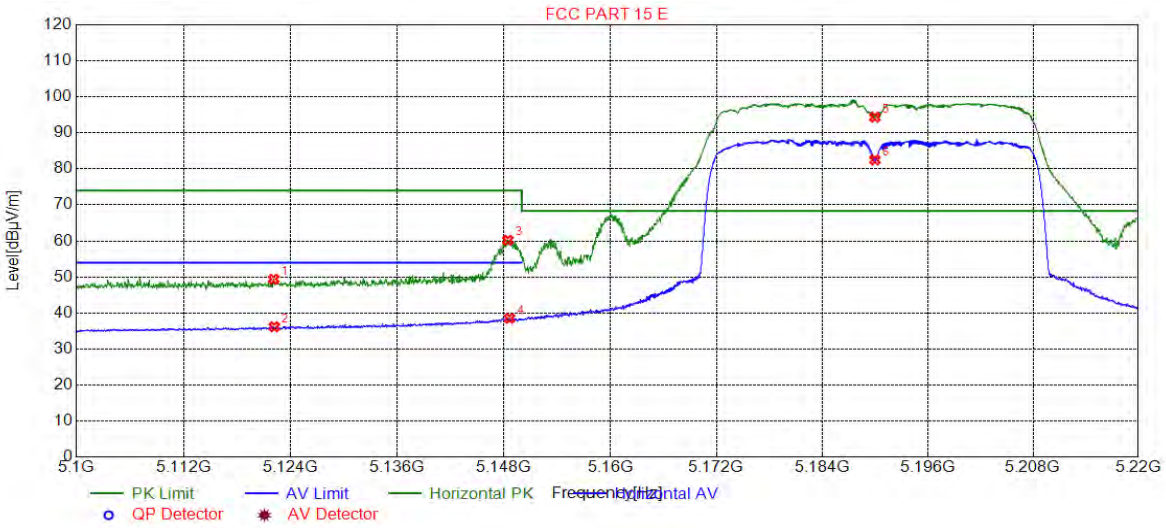
4.9.1.64 11AC40_38 ANT 1_ Horizontal



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5122.0910	49.39	7.51	74.00	24.61	150	70	Horizontal
2	5122.1511	36.17	7.51	54.00	17.83	150	122	Horizontal
3	5148.4442	60.19	7.55	74.00	13.81	150	122	Horizontal
4	5148.6243	38.52	7.55	54.00	15.48	150	122	Horizontal
5	5190.0000	94.35	7.62	68.30	-26.05	150	126	Horizontal
6	5190.0000	82.50	7.62	0.00	-82.50	150	122	Horizontal

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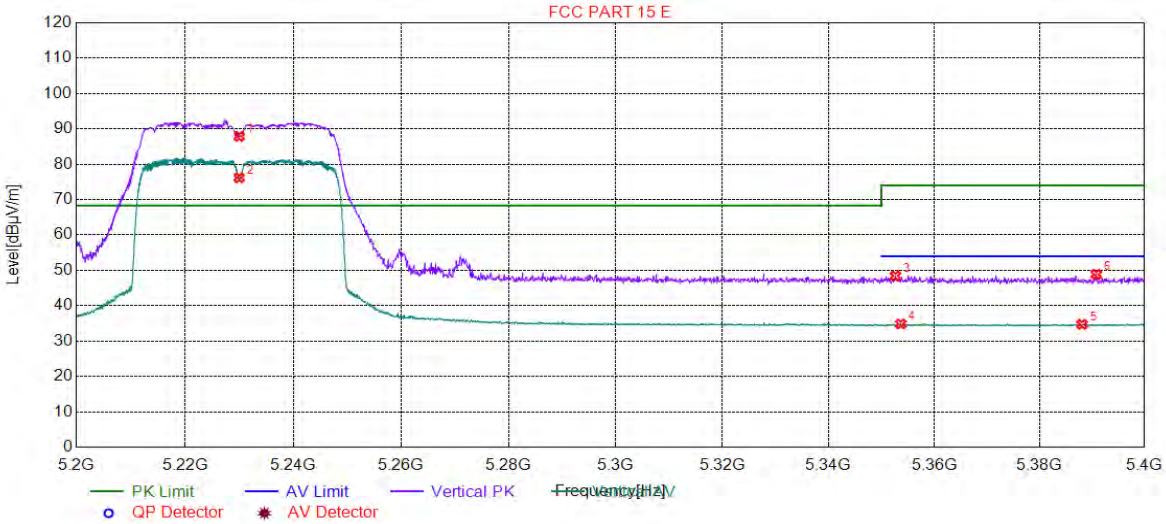
4.9.1.65 11AC40_46 ANT 1_ Vertical



NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5230.0000	87.88	7.67	0.00	-87.88	150	241	Vertical
2	5230.0000	76.18	7.67	0.00	-76.18	150	241	Vertical
3	5352.6763	48.45	7.85	74.00	25.55	150	136	Vertical
4	5353.6768	34.86	7.85	54.00	19.14	150	165	Vertical
5	5388.0940	34.72	7.92	54.00	19.28	150	150	Vertical
6	5390.7954	48.86	7.92	74.00	25.14	150	236	Vertical

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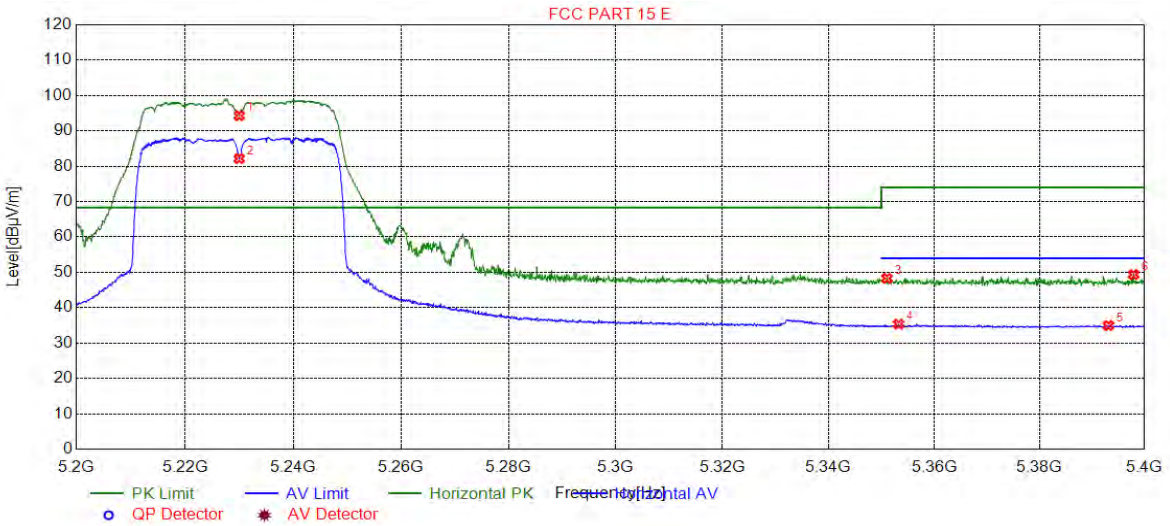
4.9.1.66 11AC40_46 ANT 1_ Horizontal



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5230.0000	94.31	7.67	68.30	-26.01	150	126	Horizontal
2	5230.0000	82.16	7.67	0.00	-82.16	150	126	Horizontal
3	5351.0755	48.30	7.84	74.00	25.70	150	348	Horizontal
4	5353.2766	35.32	7.85	54.00	18.68	150	122	Horizontal
5	5393.0965	34.96	7.93	54.00	19.04	150	117	Horizontal
6	5397.8989	49.37	7.94	74.00	24.63	150	34	Horizontal

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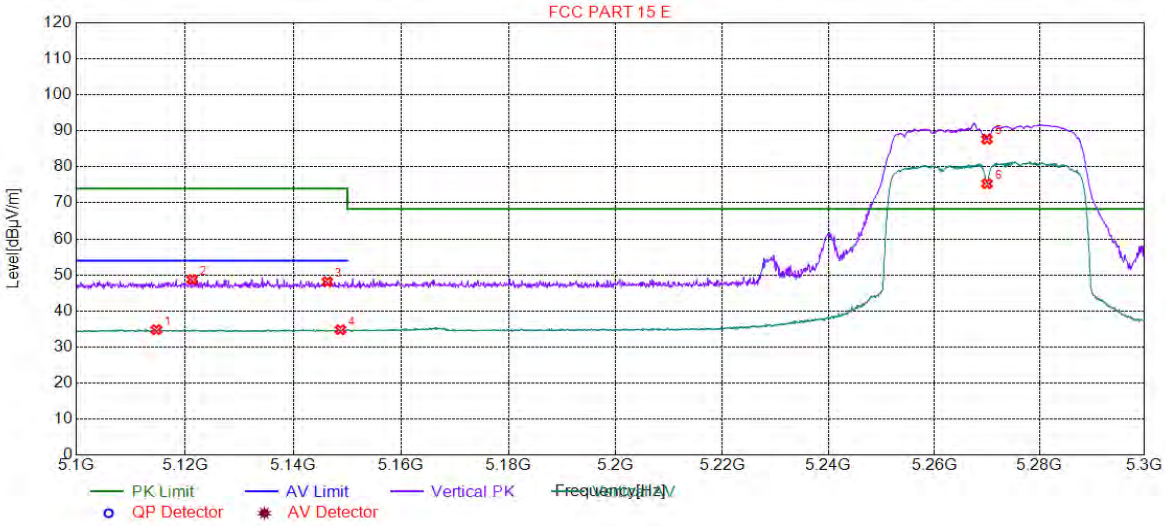
4.9.1.67 11AC40_54 ANT 1_ Vertical



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5114.7074	34.80	7.50	54.00	19.20	150	273	Vertical
2	5121.3107	48.74	7.51	74.00	25.26	150	10	Vertical
3	5146.3232	48.11	7.55	74.00	25.89	150	43	Vertical
4	5148.7244	34.81	7.55	54.00	19.19	150	105	Vertical
5	5270.0000	87.68	7.71	68.30	-19.38	150	239	Vertical
6	5270.0000	75.34	7.71	0.00	-75.34	150	244	Vertical

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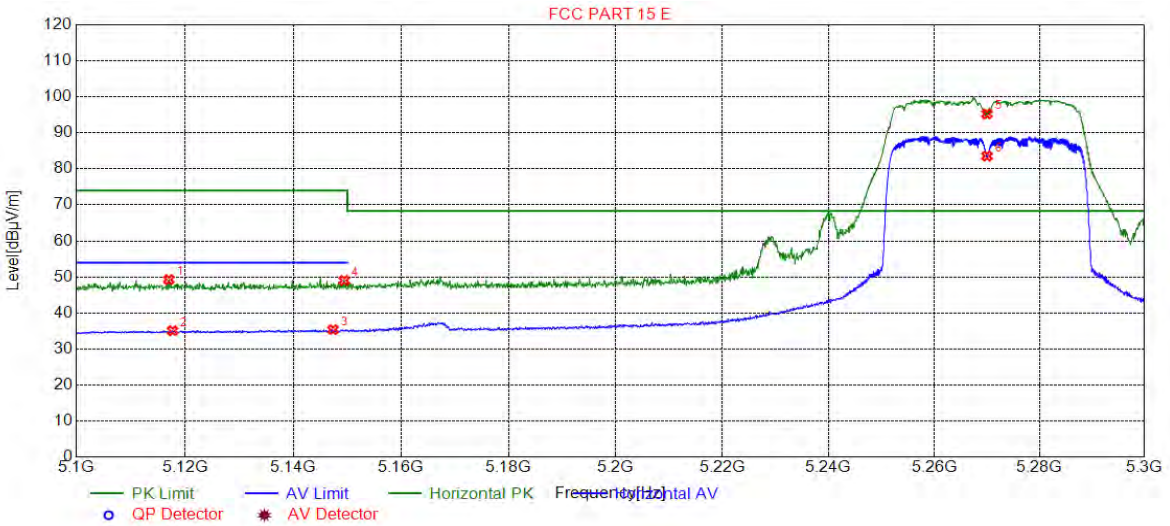
4.9.1.68 11AC40_54 ANT 1_ Horizontal



NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5117.0085	49.25	7.50	74.00	24.75	150	134	Horizontal
2	5117.7089	35.06	7.50	54.00	18.94	150	129	Horizontal
3	5147.3237	35.37	7.55	54.00	18.63	150	125	Horizontal
4	5149.4247	49.04	7.55	74.00	24.96	150	316	Horizontal
5	5270.0000	95.26	7.71	68.30	-26.96	150	125	Horizontal
6	5270.0000	83.56	7.71	0.00	-83.56	150	125	Horizontal

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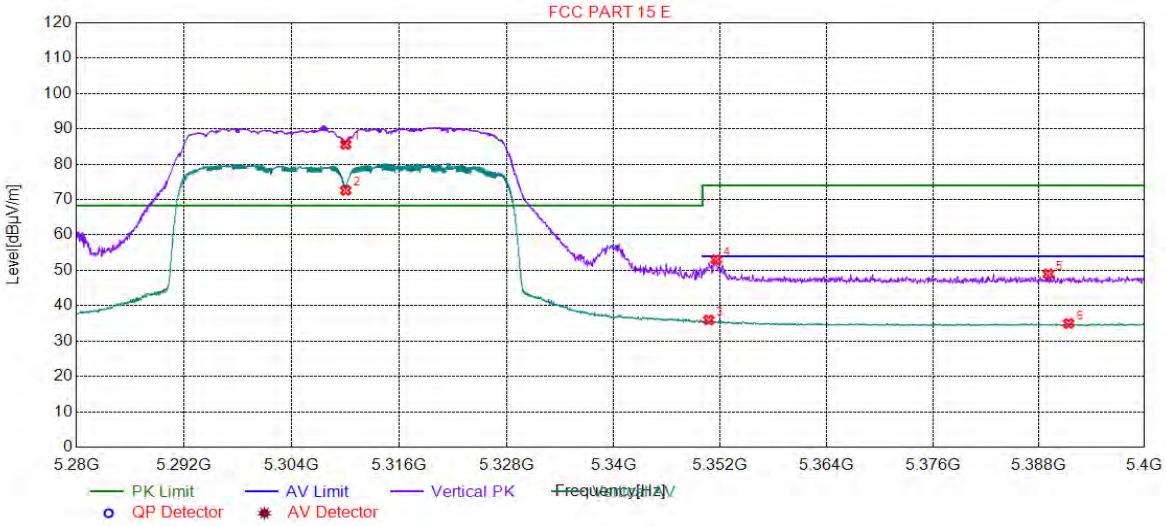
4.9.1.69 11AC40_62 ANT 1_ Vertical



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5310.0000	85.59	7.76	68.30	-17.29	150	244	Vertical
2	5310.0000	72.62	7.76	0.00	-72.62	150	230	Vertical
3	5350.7154	35.97	7.84	54.00	18.03	150	239	Vertical
4	5351.5558	53.00	7.84	74.00	21.00	150	239	Vertical
5	5389.0745	48.95	7.92	74.00	25.05	150	0	Vertical
6	5391.3557	34.99	7.92	54.00	19.01	150	56	Vertical

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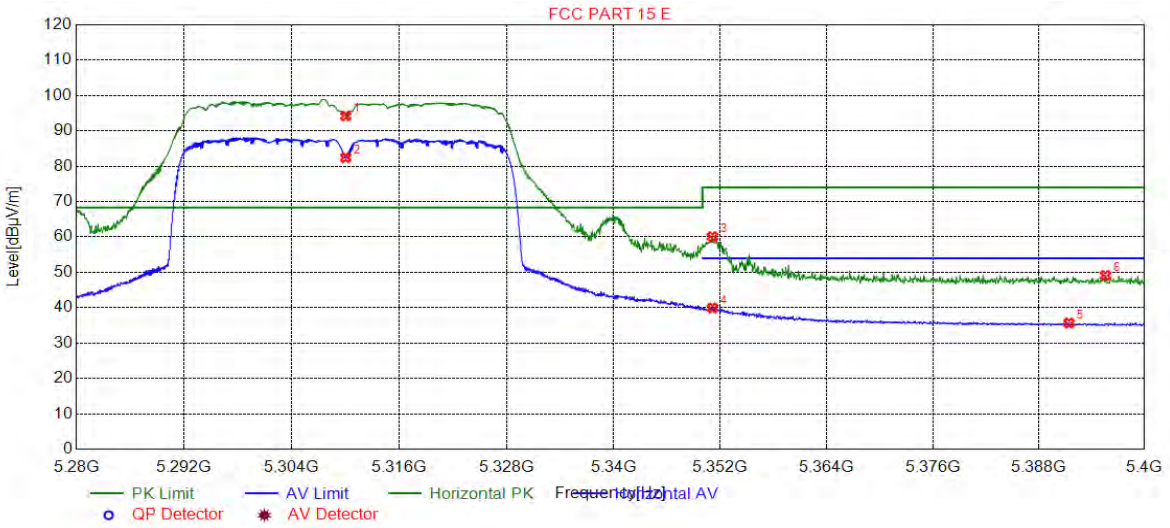
4.9.1.70 11AC40_62 ANT 1_ Horizontal



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5310.0000	94.23	7.76	68.30	-25.93	150	126	Horizontal
2	5310.0000	82.45	7.76	0.00	-82.45	150	126	Horizontal
3	5351.1356	60.10	7.84	74.00	13.90	150	126	Horizontal
4	5351.1356	39.94	7.84	54.00	14.06	150	126	Horizontal
5	5391.4157	35.65	7.92	54.00	18.35	150	126	Horizontal
6	5395.5578	49.14	7.93	74.00	24.86	150	126	Horizontal

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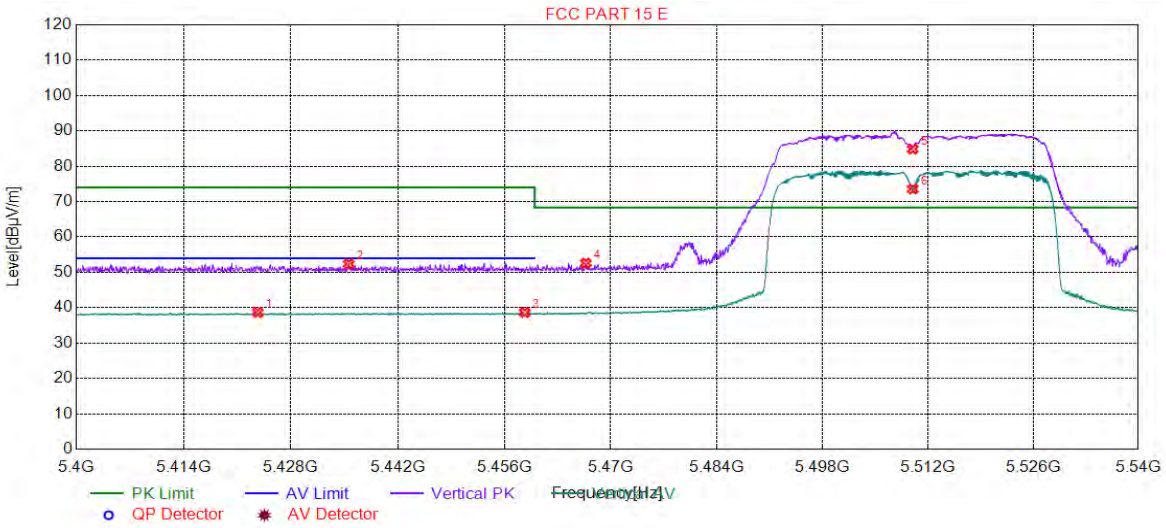
4.9.1.71 11AC40_102 ANT 1_ Vertical



NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5423.6718	38.67	7.98	54.00	15.33	150	344	Vertical
2	5435.5778	52.38	8.00	74.00	21.62	150	11	Vertical
3	5458.6893	38.65	8.03	54.00	15.35	150	20	Vertical
4	5466.7434	52.59	8.05	68.30	15.71	150	68	Vertical
5	5510.0000	84.85	8.13	68.30	-16.55	150	34	Vertical
6	5510.0000	73.57	8.13	0.00	-73.57	150	34	Vertical

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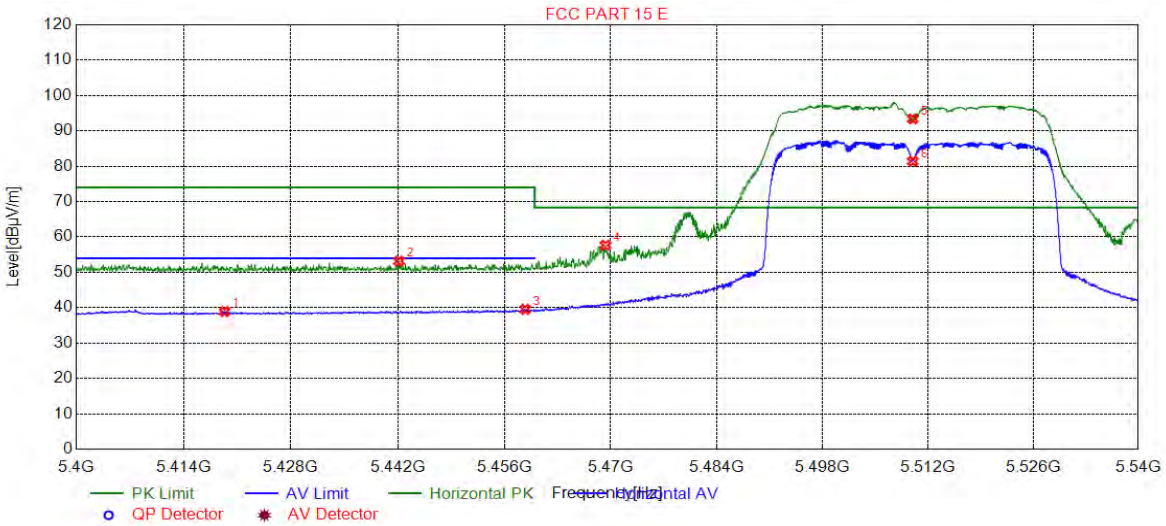
4.9.1.72 11AC40_102 ANT 1_ Horizontal



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5419.3297	38.90	7.97	54.00	15.10	150	122	Horizontal
2	5442.1611	53.17	8.01	74.00	20.83	150	122	Horizontal
3	5458.7594	39.57	8.03	54.00	14.43	150	122	Horizontal
4	5469.3347	57.66	8.05	68.30	10.64	150	127	Horizontal
5	5510.0000	93.39	8.13	68.30	-25.09	150	122	Horizontal
6	5510.0000	81.39	8.13	0.00	-81.39	150	127	Horizontal

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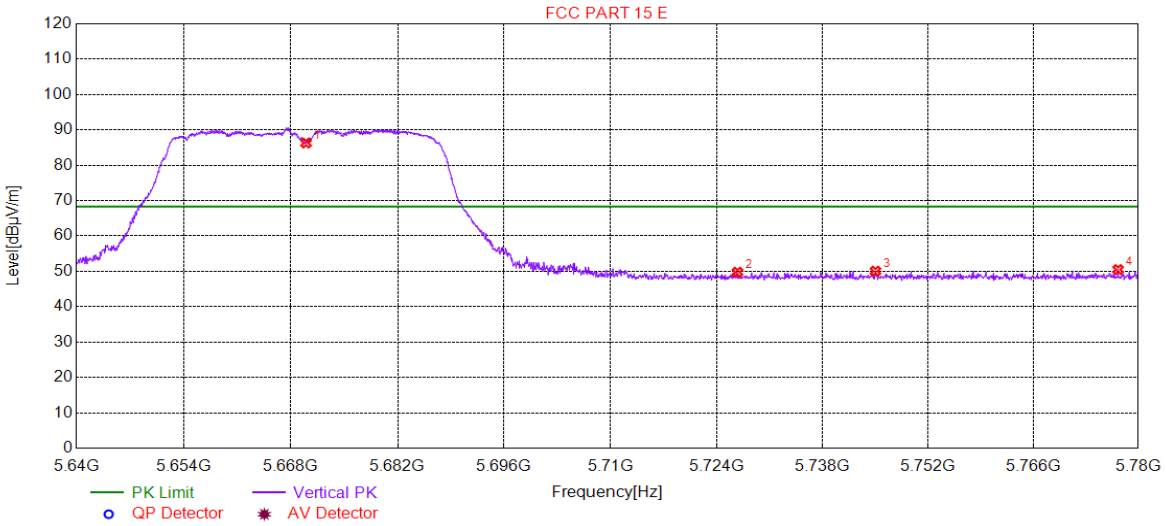
4.9.1.73 11AC40_134 ANT 1_ Vertical



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5670.0000	86.28	8.46	68.30	-17.98	150	194	Vertical
2	5726.7734	49.77	8.57	68.30	18.53	150	15	Vertical
3	5745.0525	50.07	8.61	68.30	18.23	150	293	Vertical
4	5777.3387	50.51	8.69	68.30	17.79	150	29	Vertical

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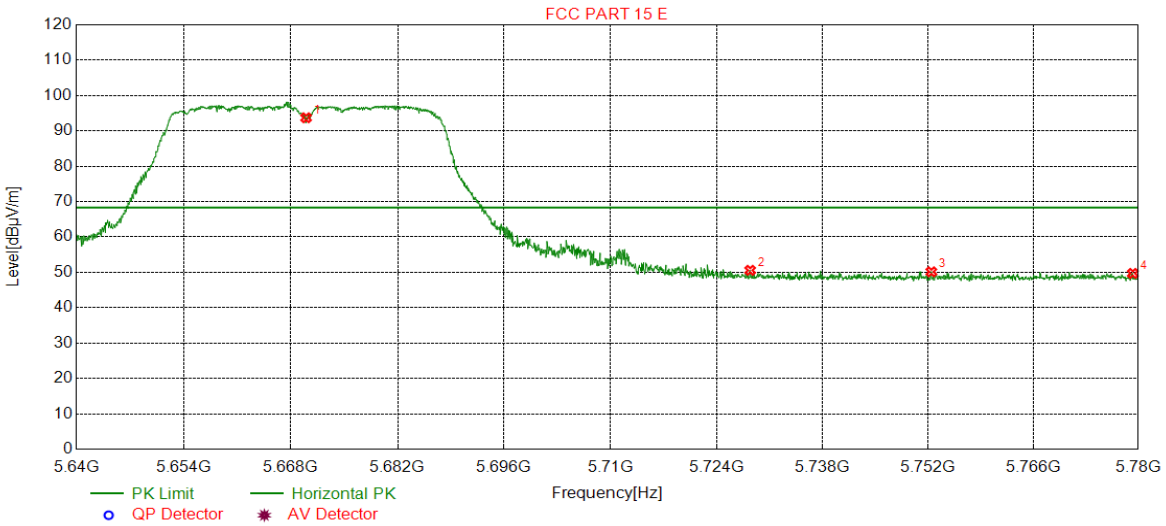
4.9.1.74 11AC40_134 ANT 1_ Horizontal



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5670.0000	93.71	8.46	68.30	-25.41	150	122	Horizontal
2	5728.4542	50.58	8.58	68.30	17.72	150	125	Horizontal
3	5752.4762	50.16	8.63	68.30	18.14	150	16	Horizontal
4	5779.2997	49.70	8.69	68.30	18.60	150	129	Horizontal

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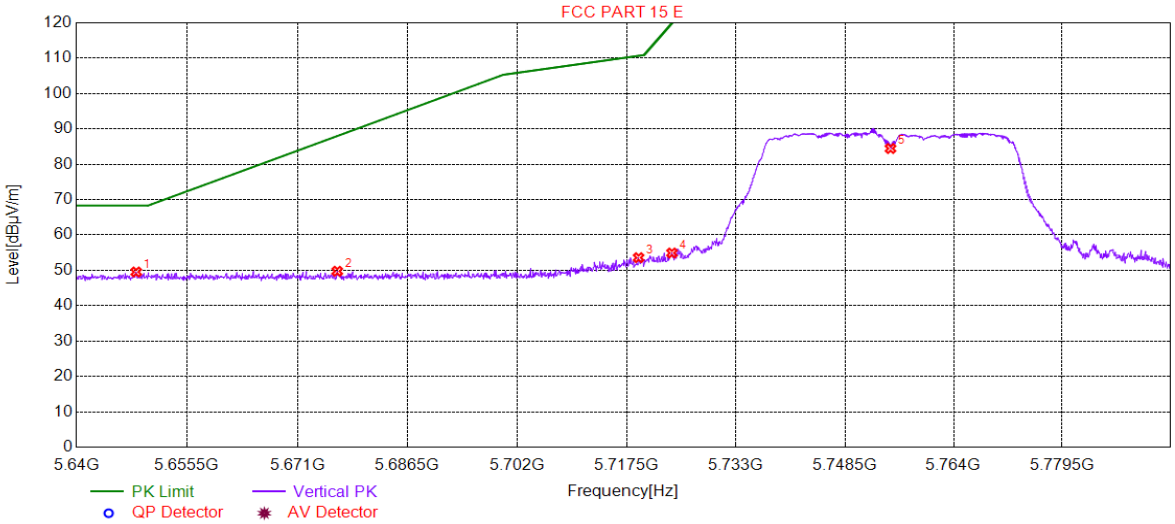
4.9.1.75 11AC40_151 ANT 1_ Vertical



NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5648.3742	49.54	8.43	68.30	18.76	150	48	Vertical
2	5676.5983	49.75	8.47	87.98	38.23	150	41	Vertical
3	5719.1671	53.59	8.55	110.67	57.08	150	16	Vertical
4	5723.8969	54.91	8.56	119.79	64.88	150	227	Vertical
5	5755.0000	84.45	8.64	0.00	-84.45	150	199	Vertical

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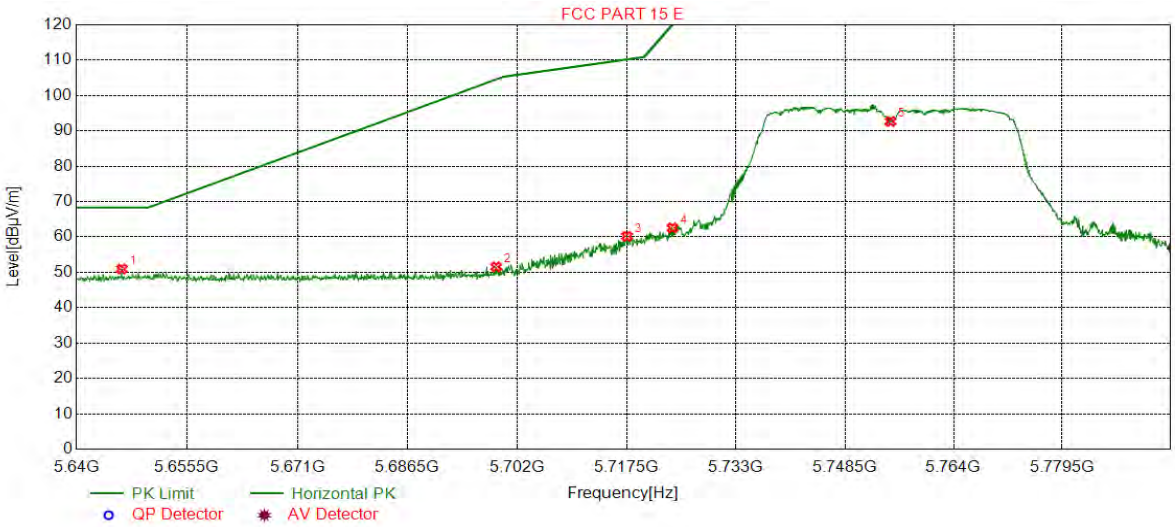
4.9.1.76 11AC40_151 ANT 1_ Horizontal



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5646.3582	50.96	8.42	68.30	17.34	150	126	Horizontal
2	5699.0070	51.56	8.51	104.57	53.01	150	119	Horizontal
3	5717.5388	60.19	8.55	110.21	50.02	150	119	Horizontal
4	5723.9745	62.58	8.57	119.96	57.38	150	115	Horizontal
5	5755.0000	92.66	8.64	0.00	-92.66	150	119	Horizontal

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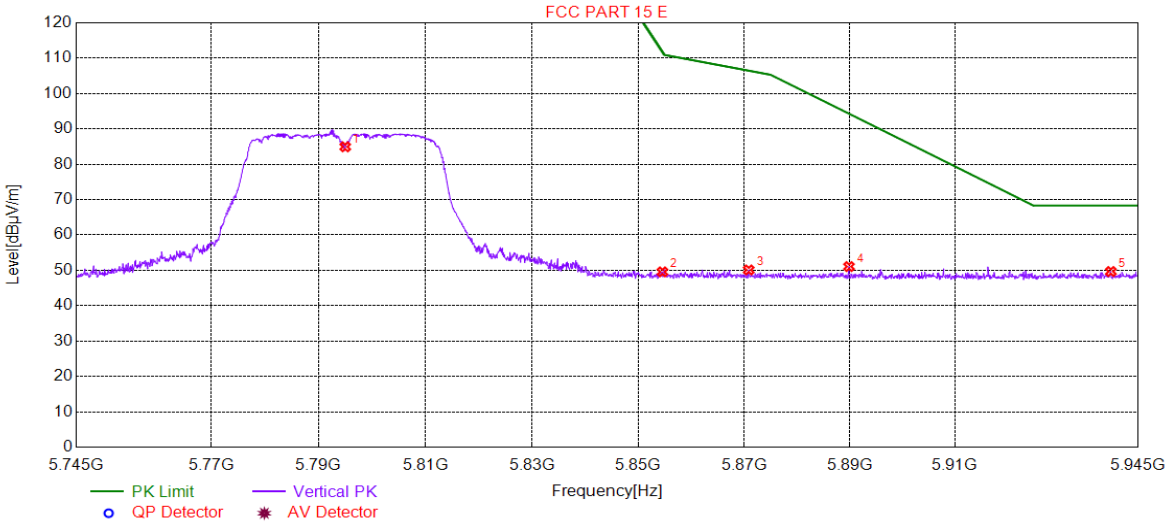
4.9.1.77 11AC40_159 ANT 1_ Vertical



NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5795.0000	84.93	8.73	0.00	-84.93	150	16	Vertical
2	5854.5548	49.57	8.90	111.92	62.35	150	16	Vertical
3	5870.8629	50.12	8.95	106.46	56.34	150	360	Vertical
4	5889.8724	51.07	9.01	94.29	43.22	150	188	Vertical
5	5939.7974	49.67	9.16	68.30	18.63	150	135	Vertical

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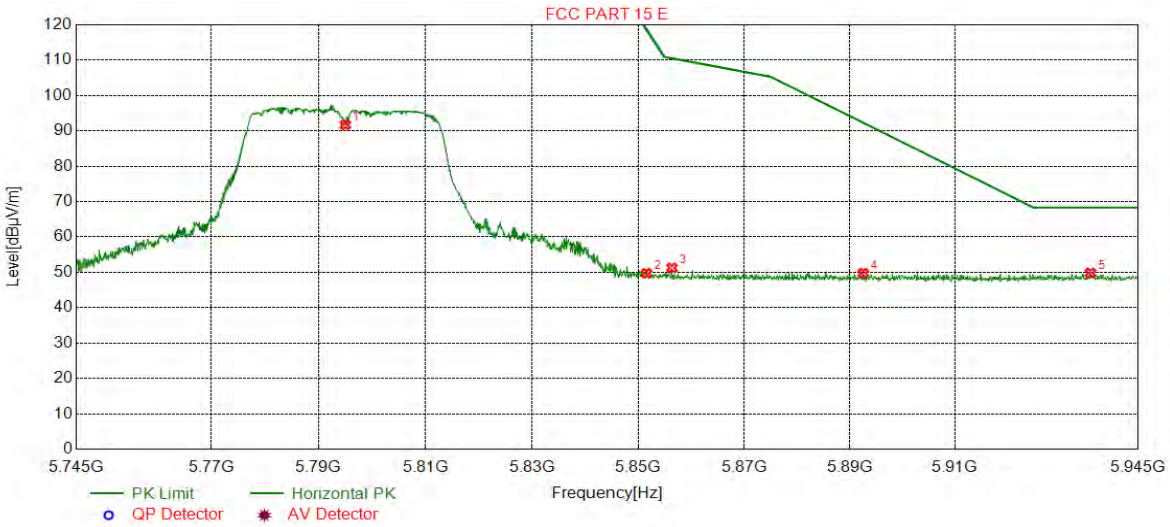
4.9.1.78 11AC40_159 ANT 1_ Horizontal



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5795.0000	91.73	8.73	0.00	-91.73	150	120	Horizontal
2	5851.5533	49.74	8.89	118.76	69.02	150	120	Horizontal
3	5856.3557	51.24	8.91	110.52	59.28	150	344	Horizontal
4	5892.5738	49.79	9.02	92.30	42.51	150	49	Horizontal
5	5935.8954	49.83	9.15	68.30	18.47	150	109	Horizontal

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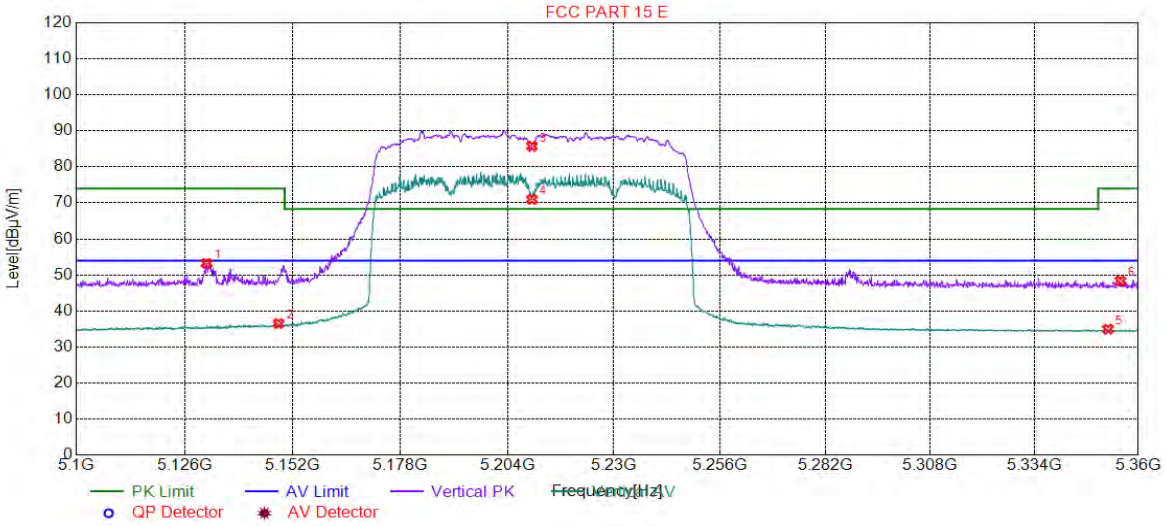
4.9.1.79 11AC80_42 ANT 1_ Vertical



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5131.2156	53.22	7.52	74.00	20.78	150	246	Vertical
2	5148.5143	36.51	7.55	54.00	17.49	150	241	Vertical
3	5210.0000	85.76	7.65	68.30	-17.46	150	246	Vertical
4	5210.0000	70.98	7.65	54.00	-16.98	150	241	Vertical
5	5352.4562	34.94	7.84	54.00	19.06	150	207	Vertical
6	5355.5778	48.33	7.85	74.00	25.67	150	203	Vertical

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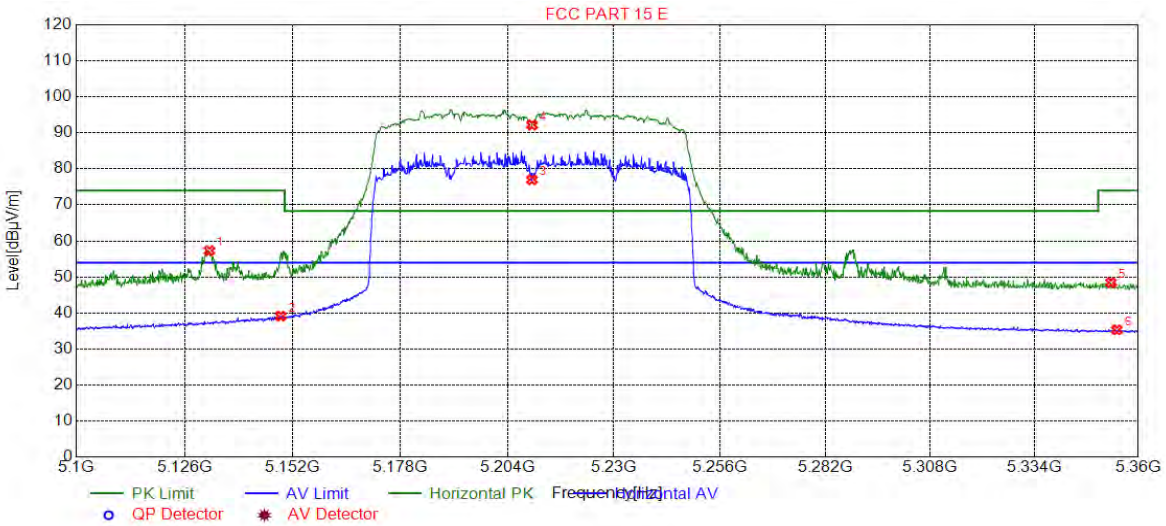
4.9.1.80 11AC80_42 ANT 1_ Horizontal



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5131.8659	57.31	7.52	74.00	16.69	150	117	Horizontal
2	5149.0345	39.15	7.55	54.00	14.85	150	127	Horizontal
3	5210.0000	76.99	7.65	54.00	-22.99	150	122	Horizontal
4	5210.0000	92.17	7.65	68.30	-23.87	150	122	Horizontal
5	5353.2366	48.45	7.85	74.00	25.55	150	298	Horizontal
6	5354.6673	35.31	7.85	54.00	18.69	150	117	Horizontal

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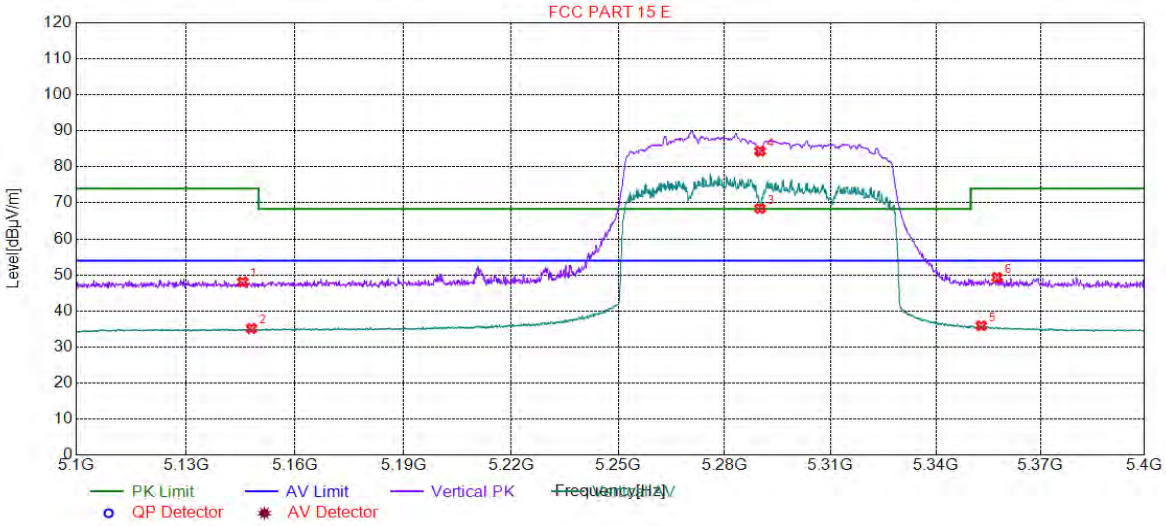
4.9.1.81 11AC80_58 ANT 1_ Vertical



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5145.6228	48.07	7.55	74.00	25.93	150	79	Vertical
2	5148.0240	35.14	7.55	54.00	18.86	150	244	Vertical
3	5290.0000	68.45	7.73	54.00	-14.45	150	249	Vertical
4	5290.0000	84.37	7.73	68.30	-16.07	150	249	Vertical
5	5353.0265	35.90	7.85	54.00	18.10	150	249	Vertical
6	5357.5288	49.29	7.86	74.00	24.71	150	45	Vertical

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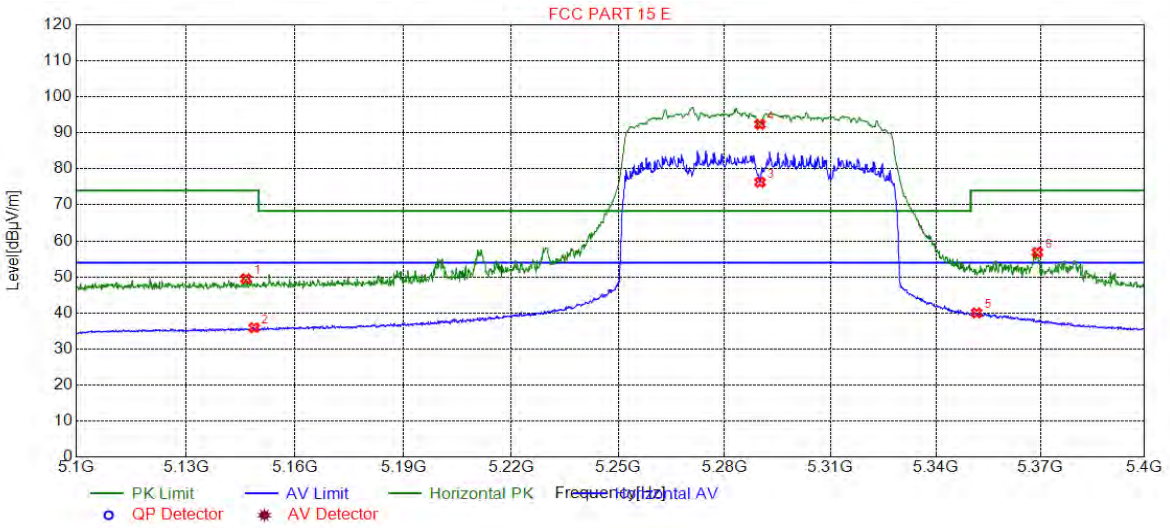
4.9.1.82 11AC80_58 ANT 1_ Horizontal



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5146.5233	49.51	7.55	74.00	24.49	150	117	Horizontal
2	5148.7744	35.91	7.55	54.00	18.09	150	122	Horizontal
3	5290.0000	76.28	7.73	54.00	-22.28	150	288	Horizontal
4	5290.0000	92.37	7.73	68.30	-24.07	150	122	Horizontal
5	5351.6758	40.03	7.84	54.00	13.97	150	126	Horizontal
6	5369.0845	56.85	7.88	74.00	17.15	150	122	Horizontal

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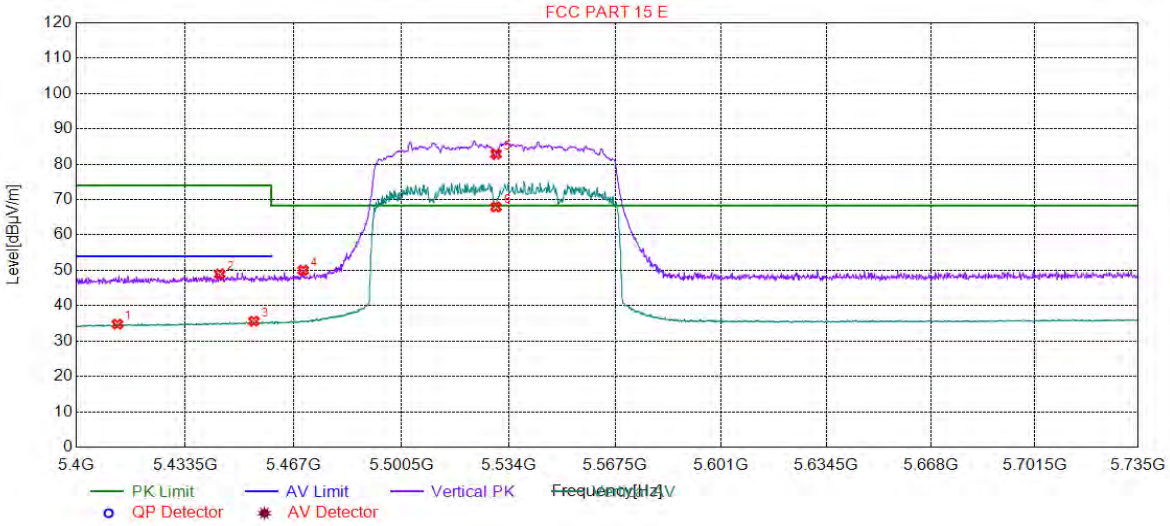
4.9.1.83 11AC80_106 ANT 1_ Vertical



NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5412.5688	34.78	7.96	54.00	19.22	150	121	Vertical
2	5444.0745	48.96	8.01	74.00	25.04	150	358	Vertical
3	5454.6323	35.63	8.03	54.00	18.37	150	44	Vertical
4	5469.8824	50.01	8.05	68.30	18.29	150	40	Vertical
5	5530.0000	82.88	8.18	68.30	-14.58	150	40	Vertical
6	5530.0000	67.91	8.18	0.00	-67.91	150	40	Vertical

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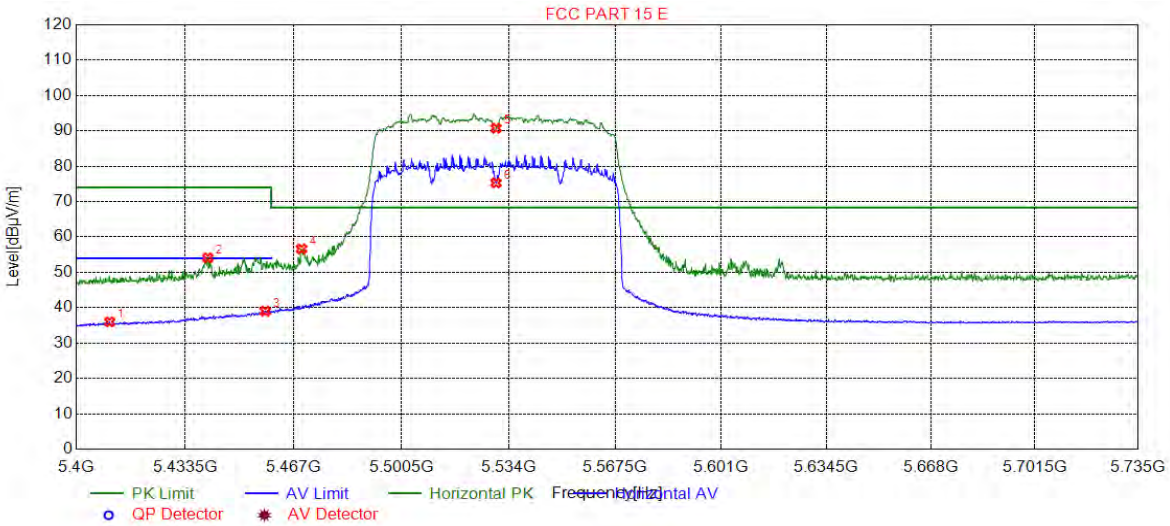
4.9.1.84 11AC80_106 ANT 1_ Horizontal



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5410.2226	36.01	7.96	54.00	17.99	150	118	Horizontal
2	5440.3877	54.11	8.00	74.00	19.89	150	123	Horizontal
3	5458.1516	39.01	8.03	54.00	14.99	150	118	Horizontal
4	5469.3797	56.64	8.05	68.30	11.66	150	118	Horizontal
5	5530.0000	90.77	8.18	68.30	-22.47	150	113	Horizontal
6	5530.0000	75.28	8.18	0.00	-75.28	150	118	Horizontal

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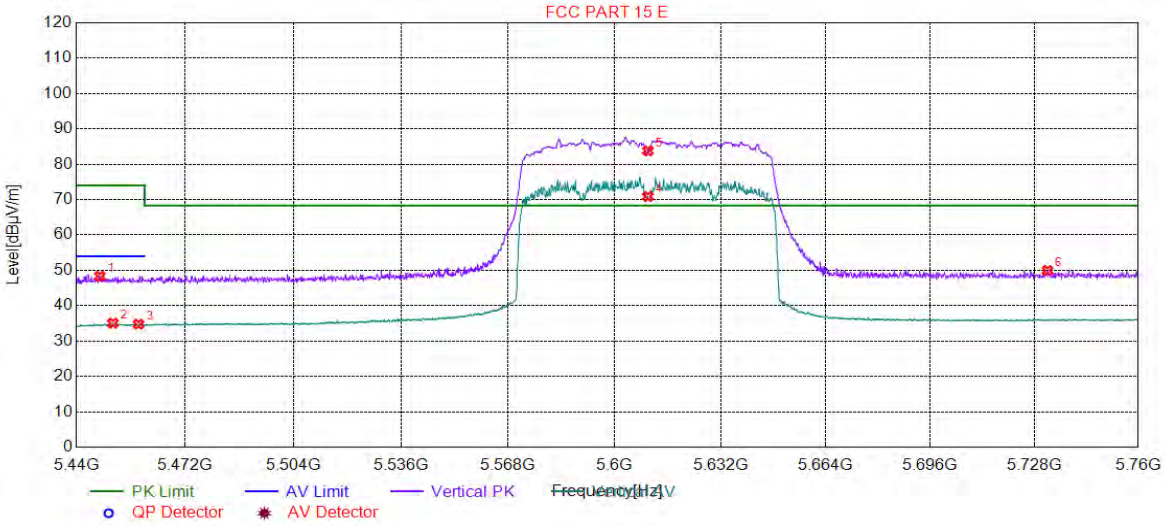
4.9.1.85 11AC80_122 ANT 1_ Vertical



NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5446.8834	48.34	8.02	74.00	25.66	150	221	Vertical
2	5450.7254	35.08	8.02	54.00	18.92	150	181	Vertical
3	5458.2491	34.78	8.03	54.00	19.22	150	210	Vertical
4	5610.0000	70.88	8.37	0.00	-70.88	150	38	Vertical
5	5610.0000	83.80	8.37	68.30	-15.50	150	38	Vertical
6	5731.9860	49.97	8.58	68.30	18.33	150	54	Vertical

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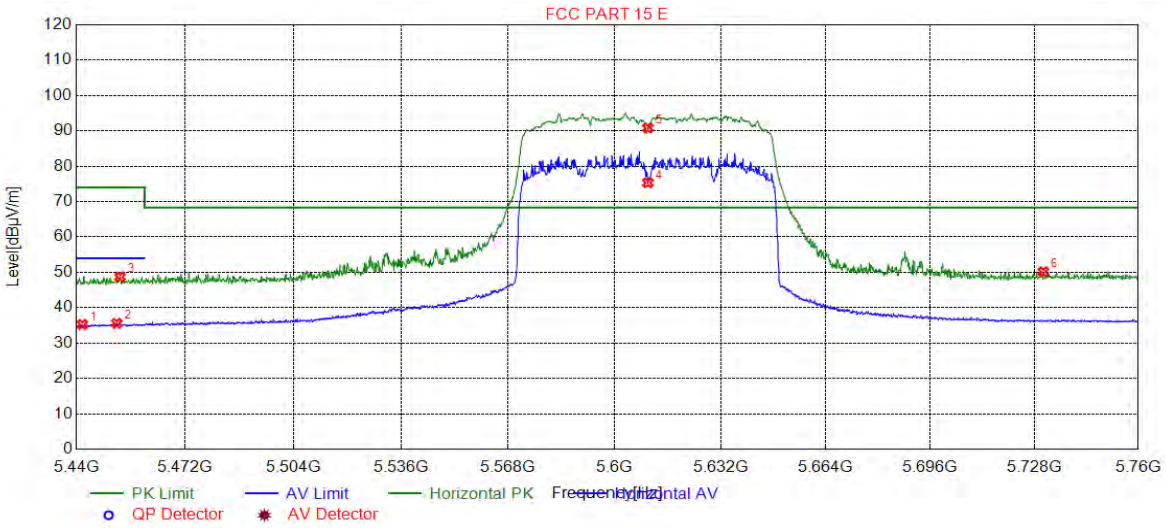
4.9.1.86 11AC80_122 ANT 1_ Horizontal



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5441.7609	35.27	8.01	54.00	18.73	150	122	Horizontal
2	5451.8459	35.60	8.02	54.00	18.40	150	122	Horizontal
3	5452.8064	48.75	8.02	74.00	25.25	150	78	Horizontal
4	5610.0000	75.33	8.37	0.00	-75.33	150	117	Horizontal
5	5610.0000	90.83	8.37	68.30	-22.53	150	117	Horizontal
6	5730.7054	50.16	8.58	68.30	18.14	150	299	Horizontal

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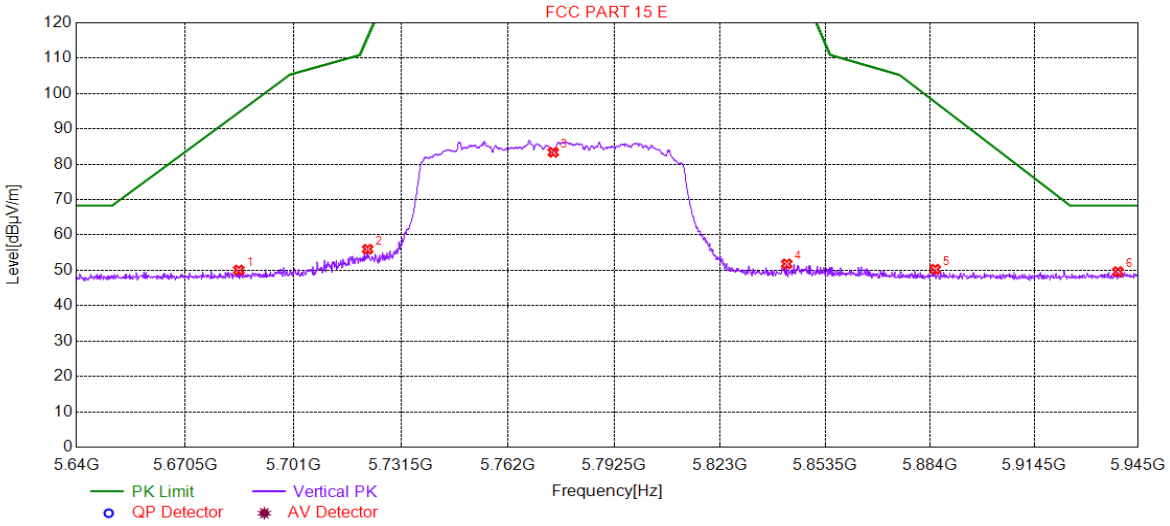
4.9.1.87 11AC80_155 ANT 1_ Vertical



NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5685.6203	50.09	8.49	94.66	44.57	150	59	Vertical
2	5722.0860	55.97	8.56	115.66	59.69	150	62	Vertical
3	5775.0000	83.39	8.68	122.30	38.91	150	200	Vertical
4	5842.3162	51.82	8.87	122.30	70.48	150	200	Vertical
5	5885.4952	50.30	9.00	97.53	47.23	150	95	Vertical
6	5939.0495	49.64	9.16	68.30	18.66	150	306	Vertical

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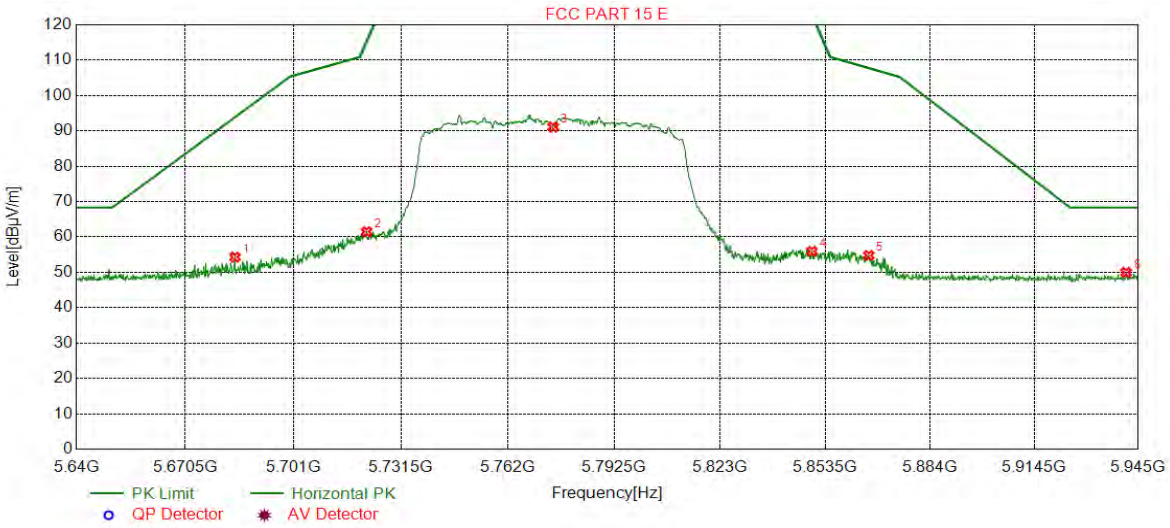
4.9.1.88 11AC80_155 ANT 1_ Horizontal



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5684.5523	54.30	8.49	93.87	39.57	150	117	Horizontal
2	5721.7809	61.49	8.56	114.96	53.47	150	117	Horizontal
3	5775.0000	91.09	8.68	122.30	31.21	150	117	Horizontal
4	5849.6398	55.96	8.89	122.30	66.34	150	120	Horizontal
5	5866.1181	54.79	8.94	107.79	53.00	150	120	Horizontal
6	5941.4907	49.99	9.16	68.30	18.31	150	301	Horizontal

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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4.10 Frequencies Stability

4.10.1 Frequency Error vs. Voltage:

Test Conditions	Measured Frequency (MHz)	
	5180	5825
V nom(V)	5180.004921	5825.007955
V max(V)	5180.012335	5825.008627
V min(V)	5180.009081	5825.006371
Max. Deviation Frequency	0.012335	0.008627
Max. Frequency Error (ppm)	2.381351	1.480957

4.10.2 Frequency Error vs. Temperature:

Test Conditions(°C)	Measured Frequency (MHz)	
	5180	5825
-5	5180.006314	5825.009856
5	5180.007751	5825.002400
15	5180.007733	5825.010544
25	5180.013151	5825.015275
35	5180.012867	5825.022038
45	5180.011759	5825.002795
50	5180.003918	5824.998131
Max. Deviation Frequency	0.013151	0.022038
Max. Frequency Error (ppm)	2.538894	3.783428

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4.11 Dynamic Frequency Selection

4.11.1 DFS Overview

Table 1: Applicability of DFS Requirements Prior to Use of a Channel

Requirement	Operational Mode		
	Master	Client Without Radar Detection	Client With Radar Detection
Non-Occupancy Period	Yes	Not required	Yes
DFS Detection Threshold	Yes	Not required	Yes
Channel Availability Check Time	Yes	Not required	Not required
U-NII Detection Bandwidth	Yes	Not required	Yes

Table 2: Applicability of DFS requirements during normal operation

Requirement	Operational Mode	
	Master Device or Client with Radar Detection	Client Without Radar Detection
DFS Detection Threshold	Yes	Not required
Channel Closing Transmission Time	Yes	Yes
Channel Move Time	Yes	Yes
U-NII Detection Bandwidth	Yes	Not required
Additional requirements for devices with multiple bandwidth modes	**Master Device or Client with Radar Detection**	**Client Without Radar Detection**
U-NII Detection Bandwidth and Statistical Performance Check	All BW modes must be tested	Not required
Channel Move Time and Channel Closing Transmission Time	Test using widest BW mode available	Test using the widest BW mode available for the link
All other tests	Any single BW mode	Not required
Note: Frequencies selected for statistical performance check (Section 7.8.4) should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.		

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4.11.2 DFS Detection Thresholds

Table 3: DFS Detection Thresholds for Master Devices and Client Devices with Radar Detection

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP ≥ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 dBm

Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna.
Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.
Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.

4.11.3 Response Requirements

Table 4: DFS Response Requirement Values

Parameter	Value
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds See Note 1.
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.

Note 1: *Channel Move Time* and the *Channel Closing Transmission Time* should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.
Note 2: The *Channel Closing Transmission Time* is comprised of 200 milliseconds starting at the beginning of the *Channel Move Time* plus any additional intermittent control signals required to facilitate a *Channel* move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.
Note 3: During the *U-NII Detection Bandwidth* detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

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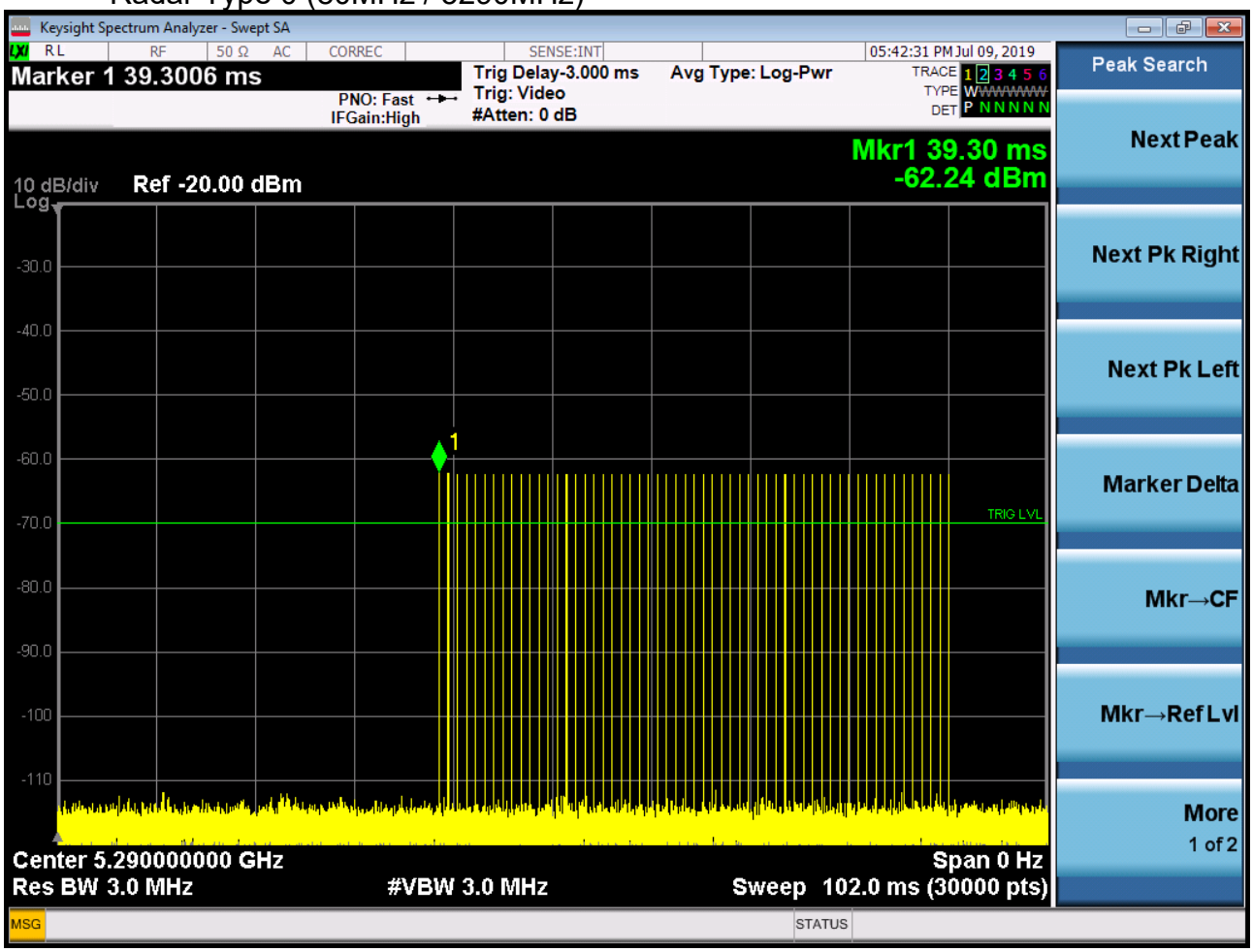
4.11.4 Test plots

4.11.4.1 Radar Waveform Calibration Result

Radar Type 0 (80MHz / 5290MHz)



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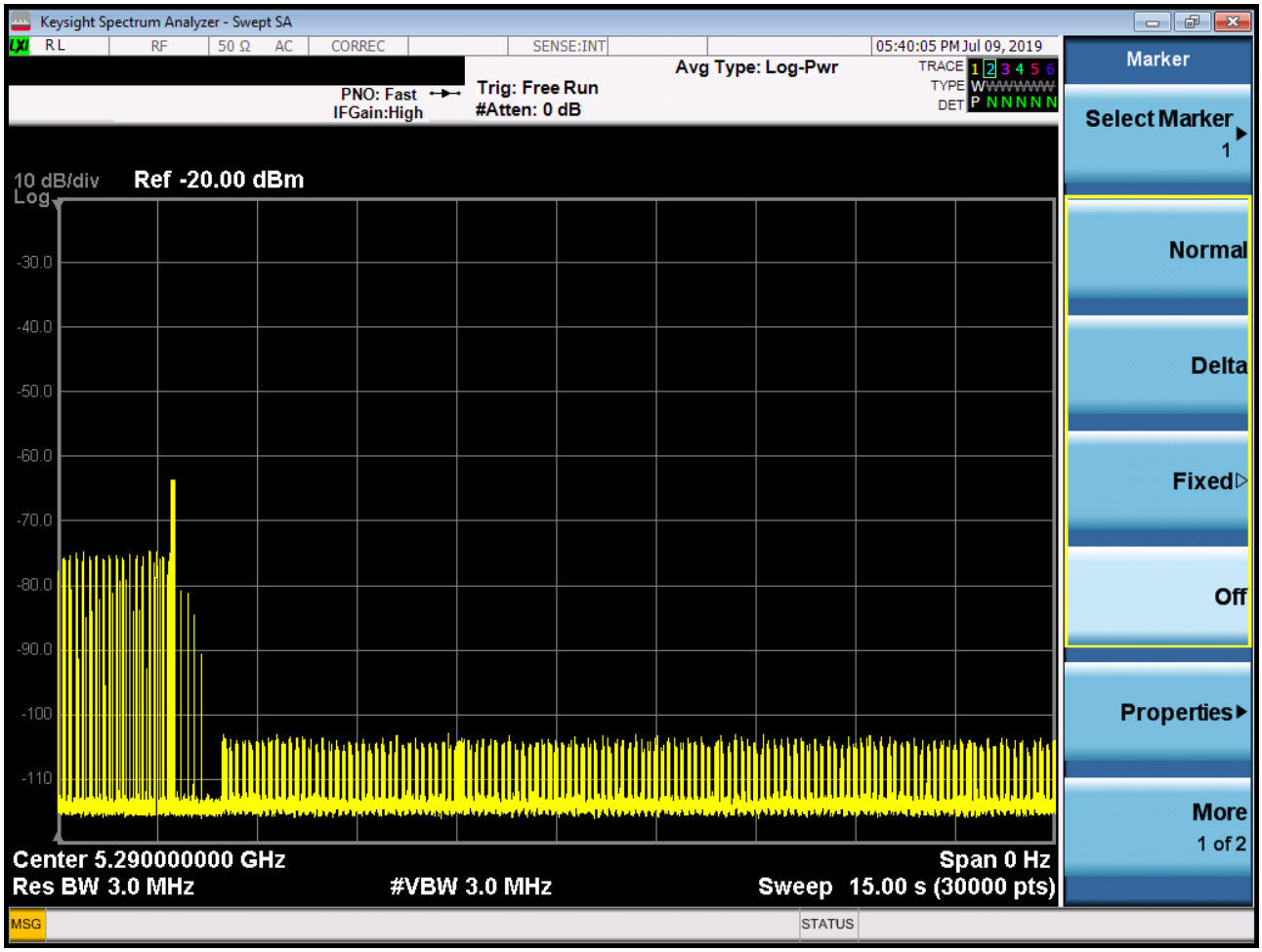
4.11.5 Test Data:

BW/Channel	Test Item	Test Result	Limit	Results
80MHz / 5290MHz	Channel Move Time	0.403s	＜10s	Pass
	Channel Closing Transmission Time	1.0ms	＜60ms	Pass

4.11.5.1 Test plots

4.11.5.1.1 Test Bandwidth/Channel= 80MHz / 5290MHz



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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 (yyyy-mm-dd)**	**Cal. Due date (yyyy-mm-dd)**
Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2017/5/10	2020/5/9
LISN	Rohde & Schwarz	ENV216	SEM007-01	2018/9/2	2019/9/2
LISN	ETS-LINDGREN	Feb-16	SEM007-02	2019/3/2	2020/3/1
Measurement Software	AUDIX	e3 V5.4.1221d	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM024-01	2018/7/12	2019/7/11
8 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T8-02	EMC0120	2019/2/11	2020/2/10
4 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T4-02	EMC0121	2019/2/11	2020/2/10
2 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T2-02	EMC0122	2019/2/11	2020/2/10
EMI Test Receiver	Rohde & Schwarz	ESCI	SEM004-02	2019/3/2	2020/3/1

RF conducted test					
Test Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal. Date (yyyy-mm-dd)**	**Cal. Due date (yyyy-mm-dd)**
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2018/9/2	2019/9/2
Signal Analyzer	Rohde & Schwarz	FSV	W025-05	2019/3/2	2020/3/1
Coaxial Cable	SGS	N/A	SEM031-01	2018/7/12	2019/7/11
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2018/9/2	2019/9/2
Temperature Chamber	GIANT FORCE	ICT-150-40-CP-AR	W027-03	2018/11/27	2019/11/27
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2018/9/2	2019/9/2
Master Device	Linksys pte.Ltd	WRT32X	FCC ID:Q87-WRT3200ACM IC ID:3839A-WRT3200ACM	N/A	N/A

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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)**
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2017/8/5	2020/8/4
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM025-01	2018/7/12	2019/7/11
MXE EMI Receiver (20Hz-8.4GHz)	Agilent Technologies	N9038A	SEM004-05	2018/9/2	2019/9/2
BiConiLog Antenna (26-3000MHz)	ETS-LINDGREN	3142C	SEM003-01	2017/6/27	2020/6/26
Pre-amplifier (0.1-1.3GHz)	Agilent Technologies	8447D	SEM005-01	2019/3/2	2020/3/1

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	2019/3/2	2020/3/1
Trilog-Broadband Antenna (25M-2GHz)	Schwarzbeck	VULB9168	SEM003-18	2018/5/29	2020/5/28
Pre-amplifier (9k-1GHz)	Sonoma Instrument Co	310N	SEM005-03	2019/4/12	2020/4/11
Loop Antenna (9kHz-30MHz)	ETS-Lindgren	6502	SEM003-08	2017/8/22	2020/8/21
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM029-01	2018/7/12	2019/7/11

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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)**
3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2018/3/13	2021/3/12
Spectrum Analyzer (20Hz-43GHz)	Rohde & Schwarz	FSU43	SEM004-08	2019/3/2	2020/3/1
BiConiLog Antenna (26-3000MHz)	ETS-Lindgren	3142C	SEM003-01	2017/6/27	2020/6/26
Horn Antenna (800MHz-18GHz)	Rohde & Schwarz	HF907	SEM003-07	2018/413	2021/412
Horn Antenna (15-40GHz)	Schwarzbeck	BBHA 9170	SEM003-15	2017/10/17	2020/10/16
Amplifier(0.1-1300MHz)	HP	8447D	SEM005-02	2018/9/2	2019/9/2
Low Noise Amplifier (100MHz-18GHz)	Black Diamond Series	BDLNA-0118-352810	SEM005-05	2018/9/2	2019/9/2
Pre-Amplifier(0.1-26.5GHz)	Compliance Directions Systems Inc.	PAP-0126	EMC2063	2018/11/20	2019/11/19
Pre-amplifier(26-40GHz)	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2019/3/2	2020/3/1
Band filter	N/A	N/A	N/A	N/A	N/A
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2018/7/12	2019/7/11

7 Photographs - EUT Test Setup Details

Refer to Appendix A - Photographs of EUT Test Setup Details for HR/2019/50006.

The End

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