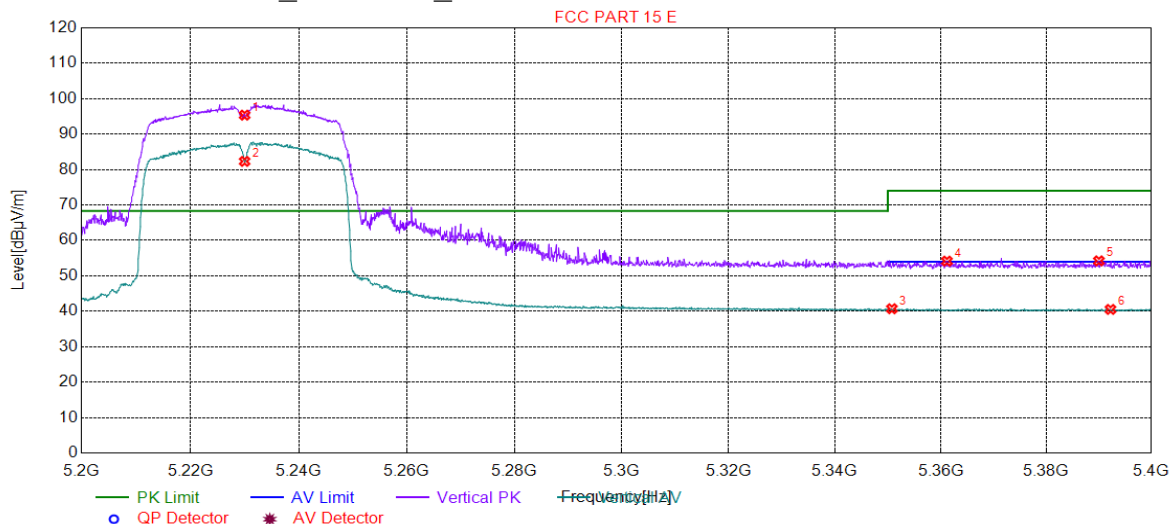


4.10.1.39 11N40_46 ANT 1_Vertical

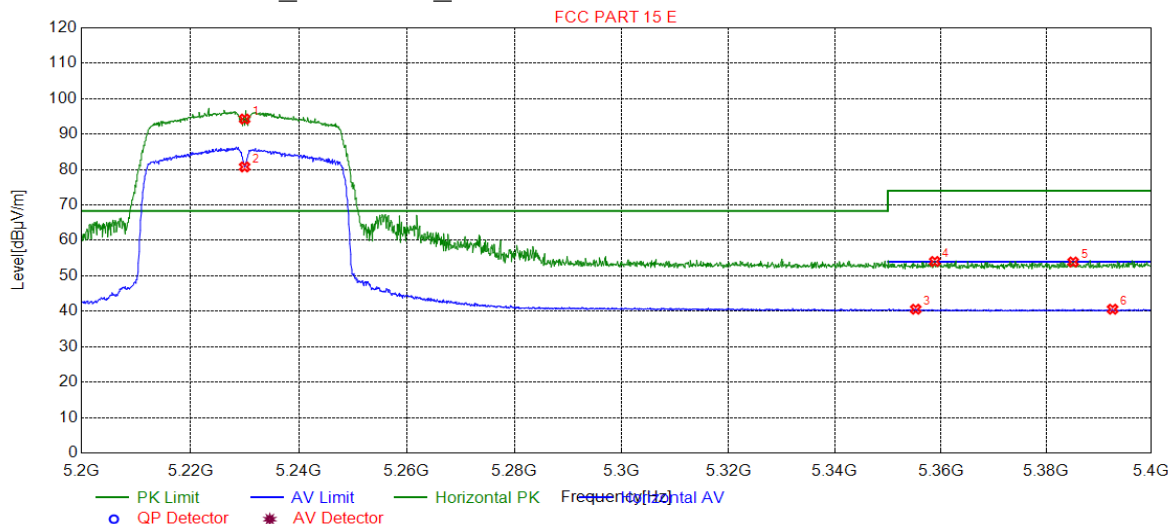


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5230.0000	95.36	15.51	68.30	-27.06	150	324	Vertical
2	5230.0000	82.31	15.51	0.00	-82.31	150	313	Vertical
3	5350.7754	40.72	16.04	54.00	13.28	150	296	Vertical
4	5361.1806	54.17	16.06	74.00	19.83	150	270	Vertical
5	5389.9950	54.23	16.12	74.00	19.77	150	44	Vertical
6	5392.1961	40.53	16.12	54.00	13.47	150	349	Vertical



4.10.1.40 11N40_46 ANT 1_ Horizontal

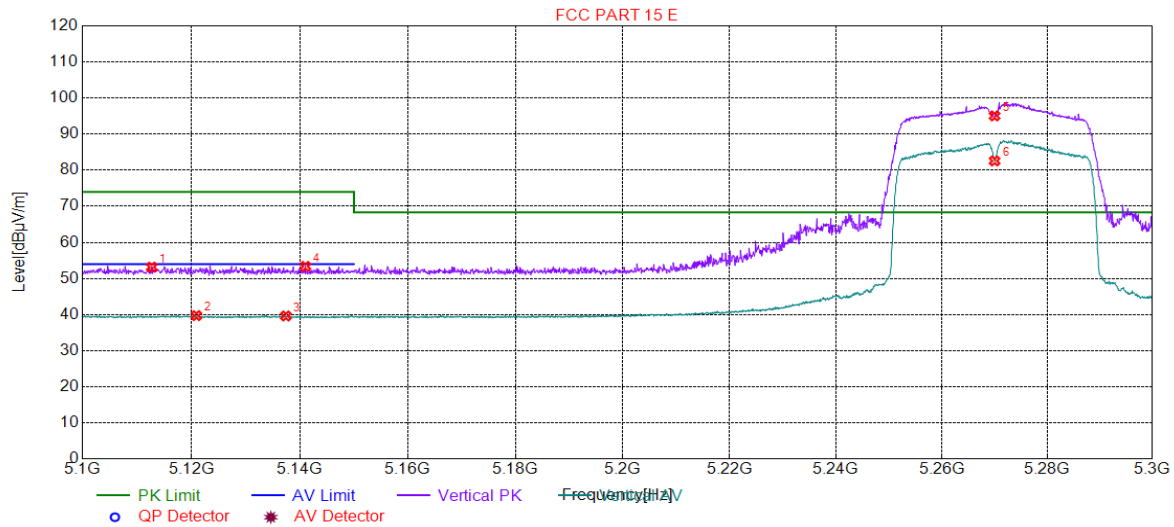


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5230.0000	94.27	15.51	68.30	-25.97	150	134	Horizontal
2	5230.0000	80.74	15.51	0.00	-80.74	150	89	Horizontal
3	5355.2776	40.59	16.05	54.00	13.41	150	108	Horizontal
4	5358.8794	54.06	16.05	74.00	19.94	150	70	Horizontal
5	5385.0925	53.92	16.11	74.00	20.08	150	10	Horizontal
6	5392.5963	40.59	16.12	54.00	13.41	150	10	Horizontal



4.10.1.41 11N40_54 ANT 1_Vertical

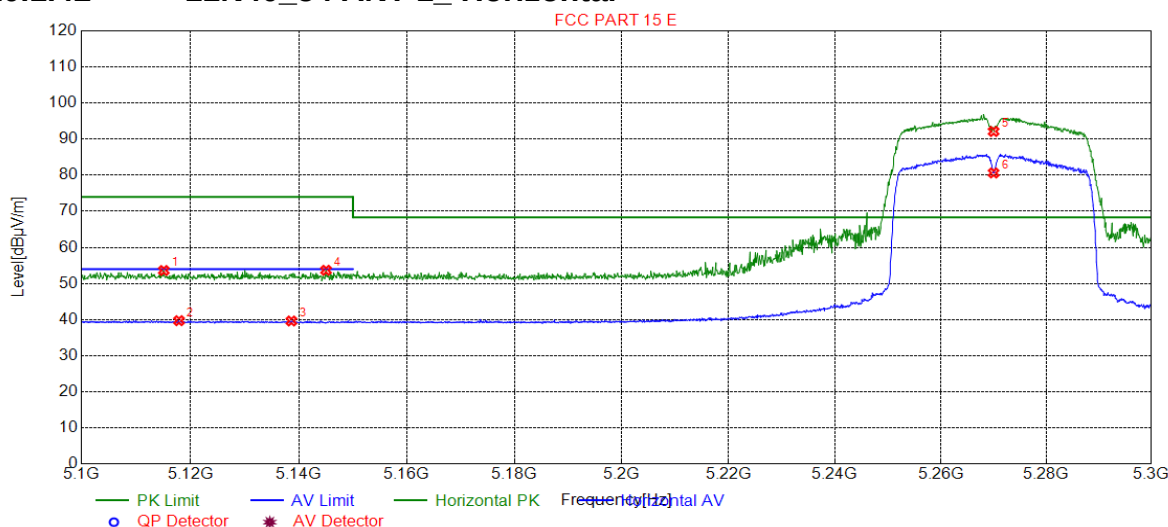


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5112.7064	53.15	15.28	74.00	20.85	150	258	Vertical
2	5120.9105	39.72	15.28	54.00	14.28	150	277	Vertical
3	5137.4187	39.62	15.29	54.00	14.38	150	277	Vertical
4	5141.0205	53.35	15.29	74.00	20.65	150	326	Vertical
5	5270.0000	95.05	15.75	68.30	-26.75	150	301	Vertical
6	5270.0000	82.57	15.75	0.00	-82.57	150	319	Vertical



4.10.1.42 11N40_54 ANT 1_ Horizontal

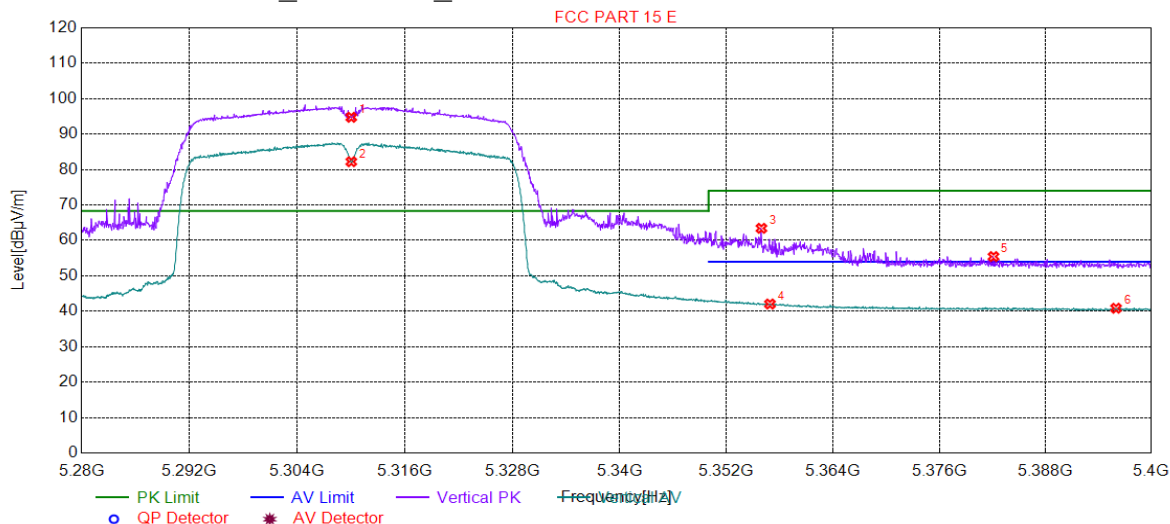


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5115.1076	53.60	15.28	74.00	20.40	150	130	Horizontal
2	5117.9090	39.70	15.28	54.00	14.30	150	94	Horizontal
3	5138.6193	39.61	15.29	54.00	14.39	150	130	Horizontal
4	5145.0225	53.66	15.30	74.00	20.34	150	48	Horizontal
5	5270.0000	92.12	15.75	68.30	-23.82	150	267	Horizontal
6	5270.0000	80.62	15.75	0.00	-80.62	150	130	Horizontal



4.10.1.43 11N40_62 ANT 1_Vertical

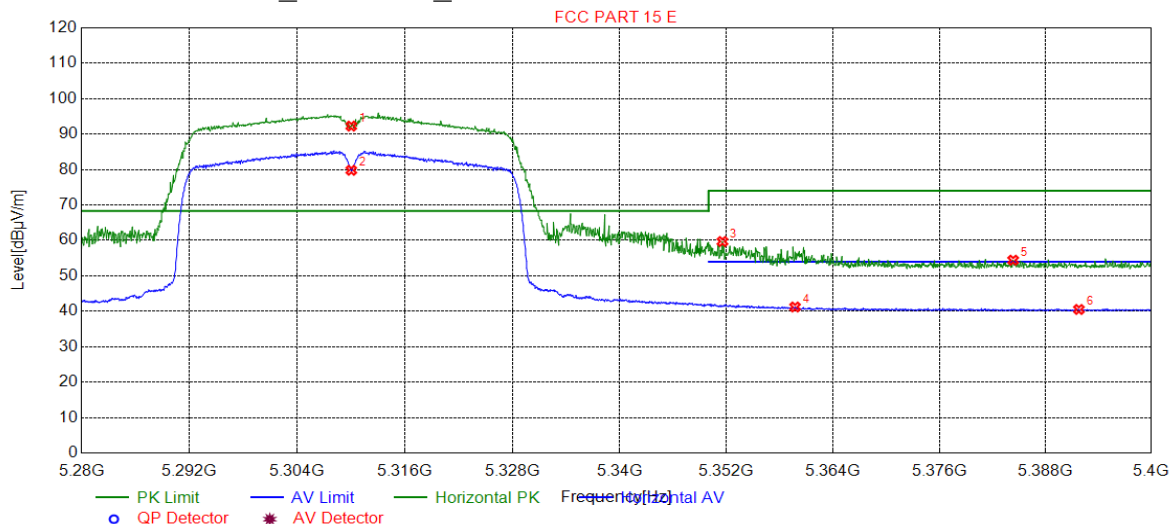


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5310.0000	94.75	15.95	68.30	-26.45	150	313	Vertical
2	5310.0000	82.22	15.95	0.00	-82.22	150	313	Vertical
3	5355.9380	63.42	16.05	74.00	10.58	150	313	Vertical
4	5356.8984	42.06	16.05	54.00	11.94	150	313	Vertical
5	5382.1111	55.44	16.10	74.00	18.56	150	249	Vertical
6	5395.9780	40.87	16.13	54.00	13.13	150	313	Vertical



4.10.1.44 11N40_62 ANT 1_ Horizontal

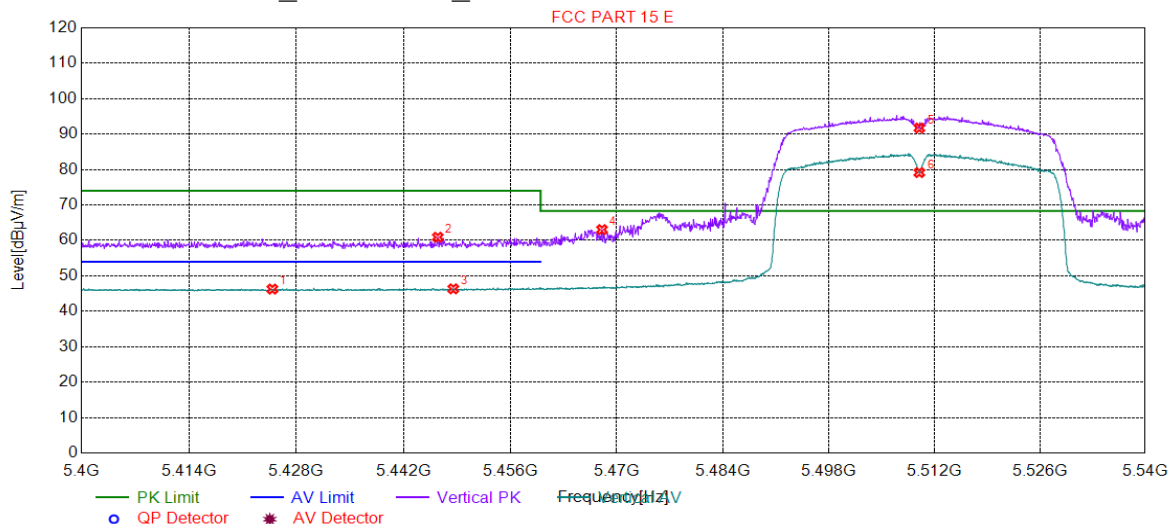


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5310.0000	92.27	15.95	68.30	-23.97	150	87	Horizontal
2	5310.0000	79.79	15.95	0.00	-79.79	150	87	Horizontal
3	5351.5558	59.69	16.04	74.00	14.31	150	128	Horizontal
4	5359.7199	41.22	16.06	54.00	12.78	150	87	Horizontal
5	5384.3322	54.42	16.11	74.00	19.58	150	196	Horizontal
6	5391.7759	40.52	16.12	54.00	13.48	150	287	Horizontal



4.10.1.45 11N40_102 ANT 1_Vertical

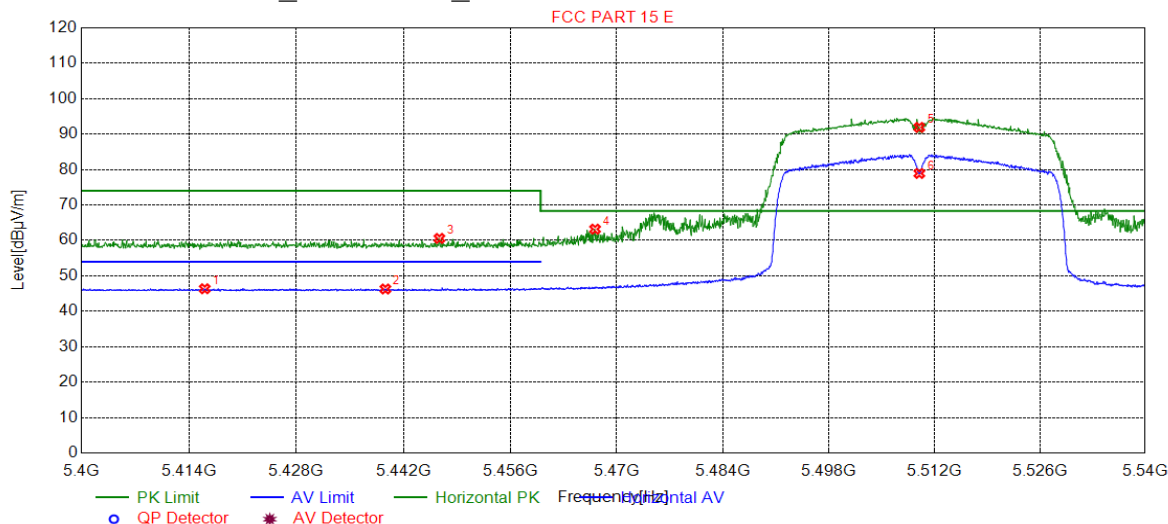


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5424.8624	46.27	16.14	54.00	7.73	150	34	Vertical
2	5446.5033	60.91	16.13	74.00	13.09	150	299	Vertical
3	5448.5343	46.34	16.13	54.00	7.66	150	274	Vertical
4	5468.0740	63.06	16.13	68.30	5.24	150	255	Vertical
5	5510.0000	91.73	16.17	68.30	-23.43	150	255	Vertical
6	5510.0000	79.15	16.17	0.00	-79.15	150	267	Vertical



4.10.1.46 11N40_102 ANT 1_ Horizontal

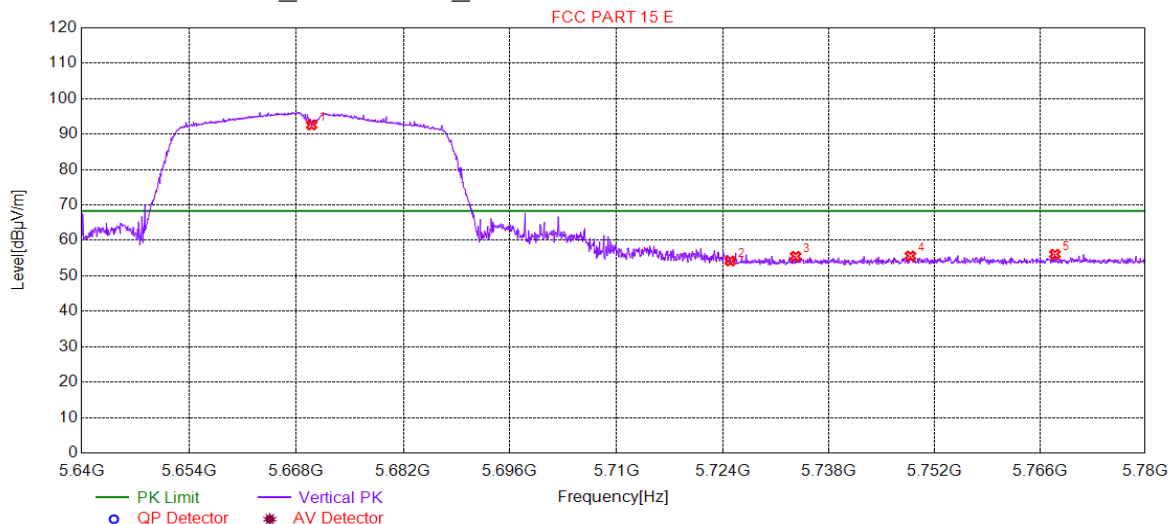


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5416.0380	46.36	16.14	54.00	7.64	150	300	Horizontal
2	5439.6398	46.29	16.13	54.00	7.71	150	133	Horizontal
3	5446.7134	60.57	16.13	74.00	13.43	150	291	Horizontal
4	5467.1636	63.19	16.13	68.30	5.11	150	275	Horizontal
5	5510.0000	91.90	16.17	68.30	-23.60	150	275	Horizontal
6	5510.0000	78.90	16.17	0.00	-78.90	150	291	Horizontal



4.10.1.47 11N40_134 ANT 1_Vertical

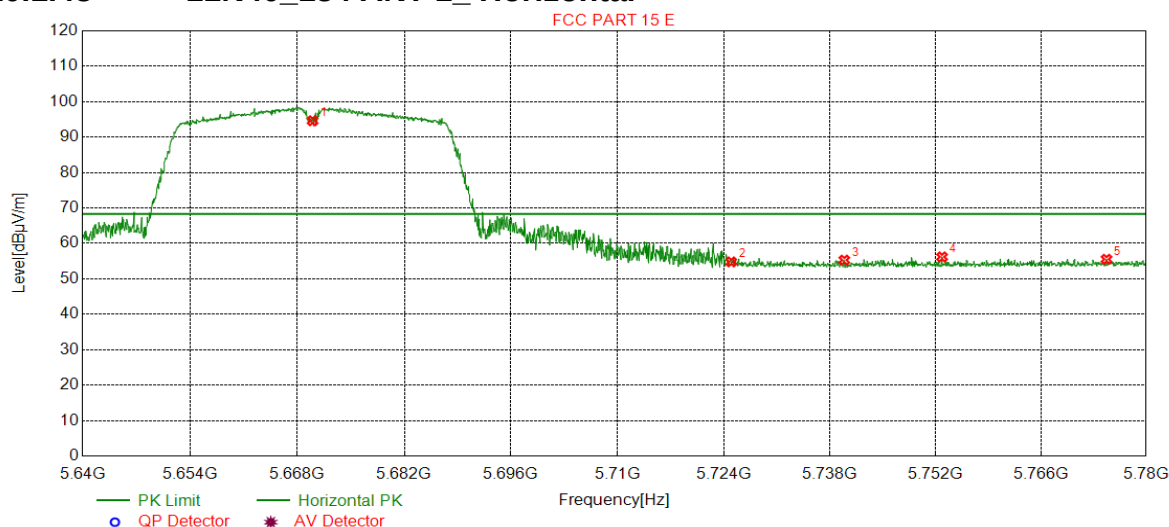


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5670.0000	92.58	16.59	68.30	-24.28	150	286	Vertical
2	5725.0000	54.20	16.67	68.30	14.10	150	115	Vertical
3	5733.6368	55.51	16.70	68.30	12.79	150	82	Vertical
4	5748.8344	55.61	16.76	68.30	12.69	150	291	Vertical
5	5768.0240	56.09	16.82	68.30	12.21	150	23	Vertical



4.10.1.48 11N40_134 ANT 1_ Horizontal

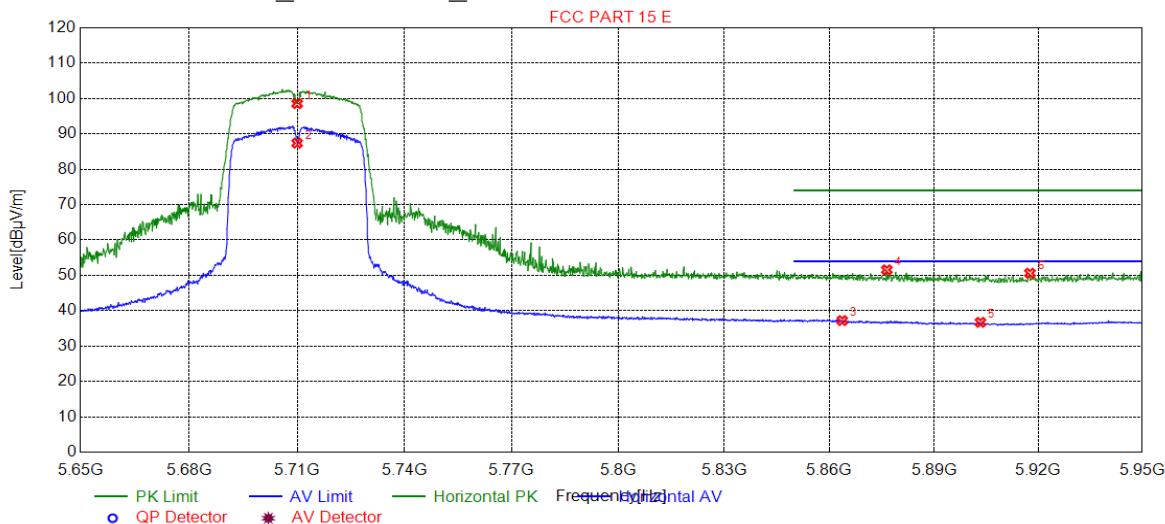


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5670.0000	94.62	16.59	68.30	-26.32	150	89	Horizontal
2	5725.0000	54.79	16.67	68.30	13.51	150	94	Horizontal
3	5739.9400	55.30	16.72	68.30	13.00	150	83	Horizontal
4	5752.8964	56.19	16.77	68.30	12.11	150	7	Horizontal
5	5774.7474	55.54	16.85	68.30	12.76	150	78	Horizontal



4.10.1.49 11N40_142 ANT 1_ Horizontal

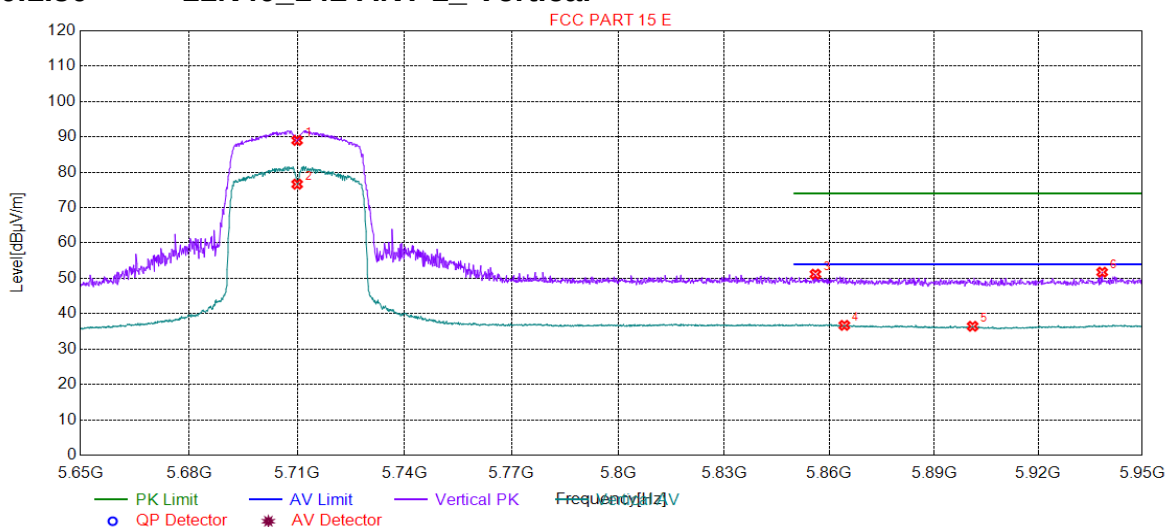


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5710.0000	98.56	19.76	0.00	-98.56	150	26	Horizontal
2	5710.0000	87.39	19.76	0.00	-87.39	150	18	Horizontal
3	5863.7069	37.22	20.33	54.00	16.78	150	26	Horizontal
4	5876.4632	51.56	20.27	74.00	22.44	150	142	Horizontal
5	5903.3267	36.72	20.21	54.00	17.28	150	54	Horizontal
6	5917.5838	50.61	20.34	74.00	23.39	150	40	Horizontal



4.10.1.50 11N40_142 ANT 1_ Vertical

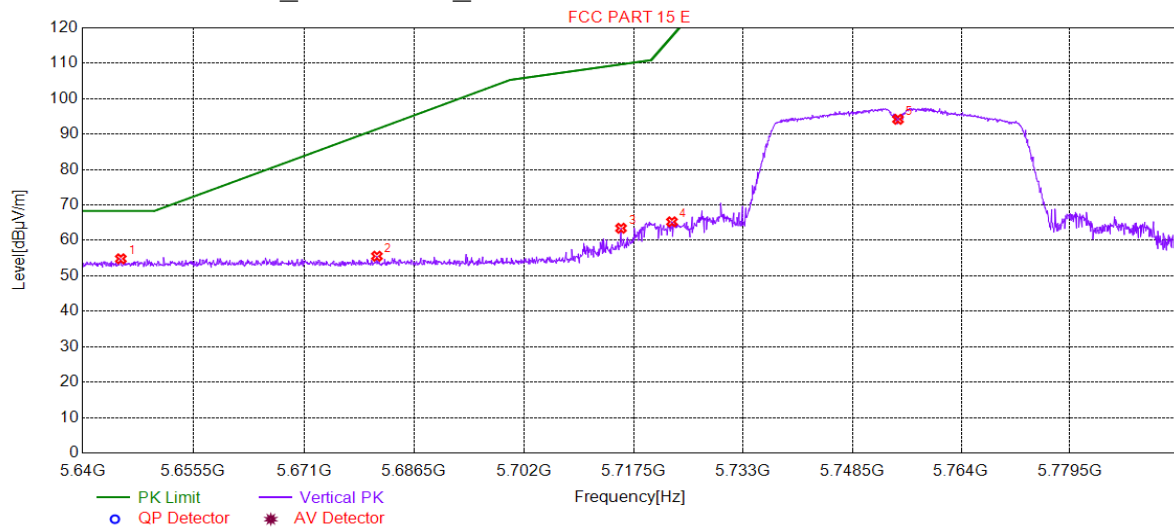


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5710.0000	89.00	19.76	0.00	-89.00	150	206	Vertical
2	5710.0000	76.62	19.76	0.00	-76.62	150	206	Vertical
3	5856.0530	51.18	20.36	74.00	22.82	150	36	Vertical
4	5864.3072	36.71	20.32	54.00	17.29	150	57	Vertical
5	5901.0755	36.45	20.19	54.00	17.55	150	338	Vertical
6	5938.4442	51.74	20.53	74.00	22.26	150	357	Vertical



4.10.1.51 11N40_151 ANT 1_Vertical

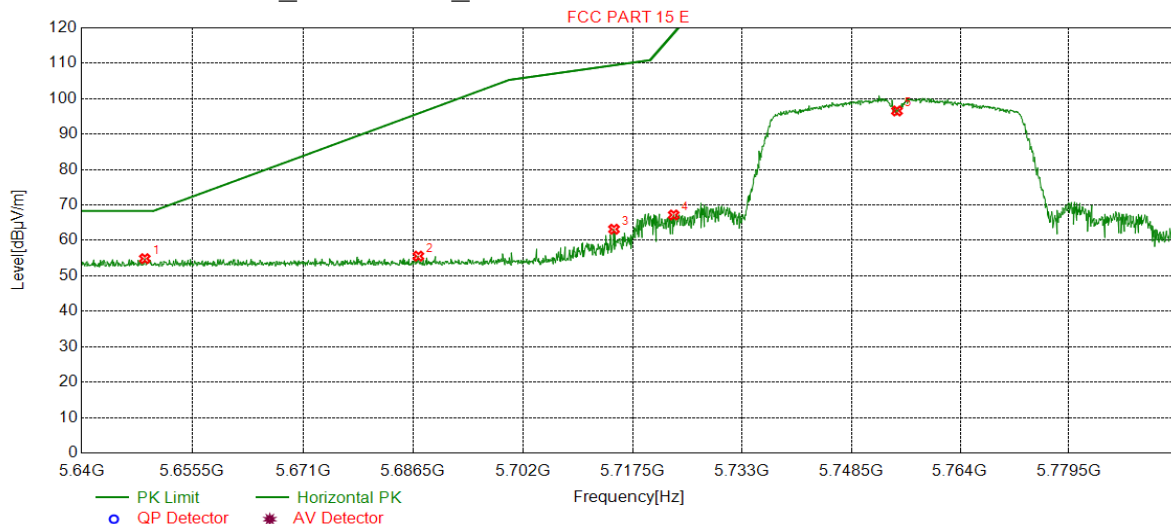


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5645.3502	54.82	16.59	68.30	13.48	150	311	Vertical
2	5681.2506	55.55	16.58	91.43	35.88	150	283	Vertical
3	5715.6778	63.44	16.64	109.69	46.25	150	16	Vertical
4	5722.8889	65.25	16.66	117.49	52.24	150	283	Vertical
5	5755.0000	94.18	16.78	0.00	-94.18	150	283	Vertical



4.10.1.52 11N40_151 ANT 1_ Horizontal

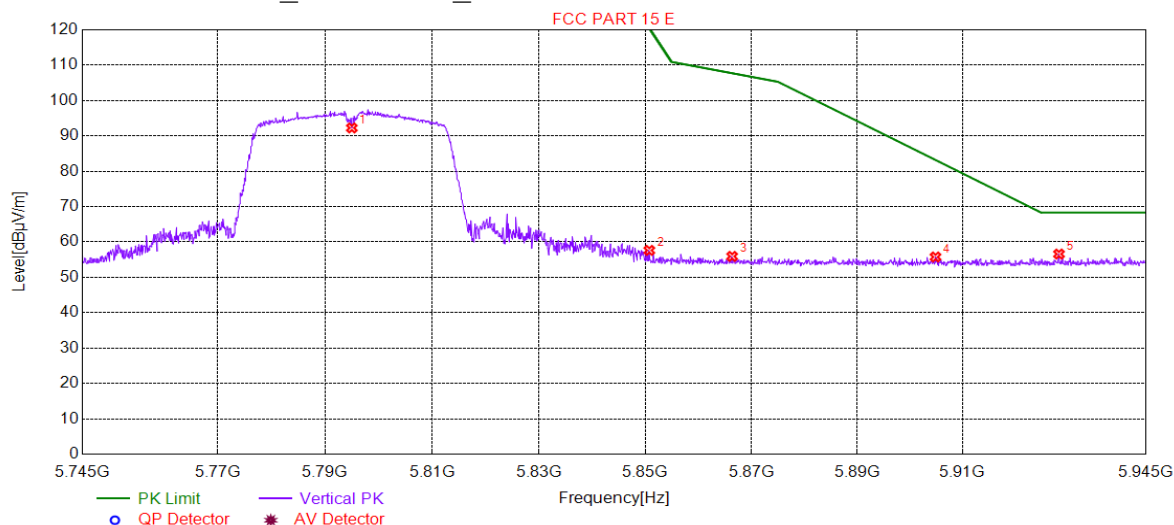


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5648.8394	54.86	16.59	68.30	13.44	150	12	Horizontal
2	5687.2211	55.57	16.58	95.84	40.27	150	64	Horizontal
3	5714.8249	63.17	16.63	109.45	46.28	150	88	Horizontal
4	5723.2766	67.19	16.66	118.37	51.18	150	93	Horizontal
5	5755.0000	96.54	16.78	0.00	-96.54	150	88	Horizontal



4.10.1.53 11N40_159 ANT 1_Vertical

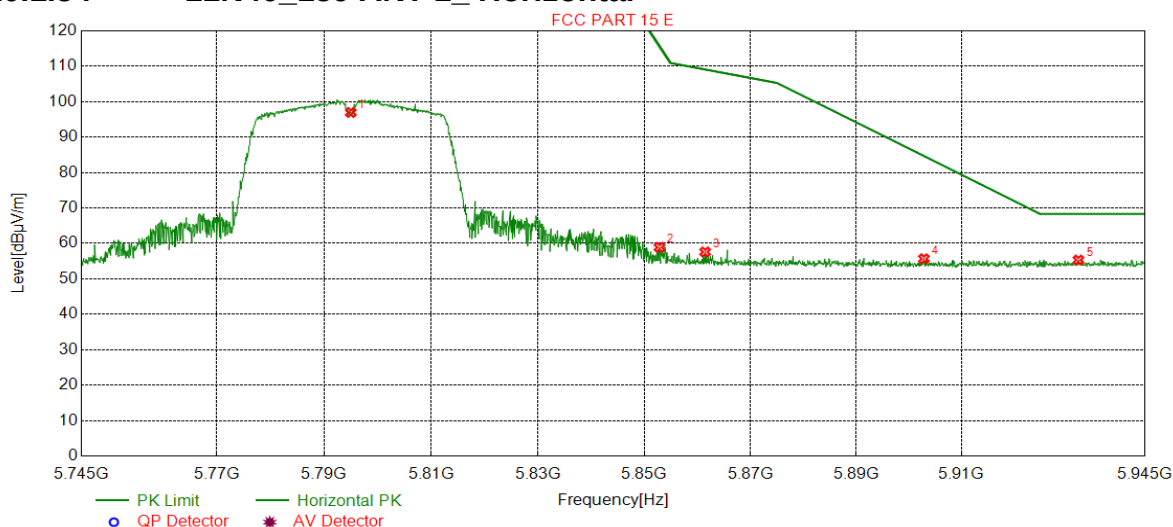


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5795.0000	92.24	16.92	0.00	-92.24	150	328	Vertical
2	5850.7529	57.63	17.04	120.58	62.95	150	20	Vertical
3	5866.3607	55.93	17.07	107.72	51.79	150	56	Vertical
4	5904.8799	55.76	17.16	83.19	27.43	150	20	Vertical
5	5928.3917	56.59	17.25	68.30	11.71	150	272	Vertical



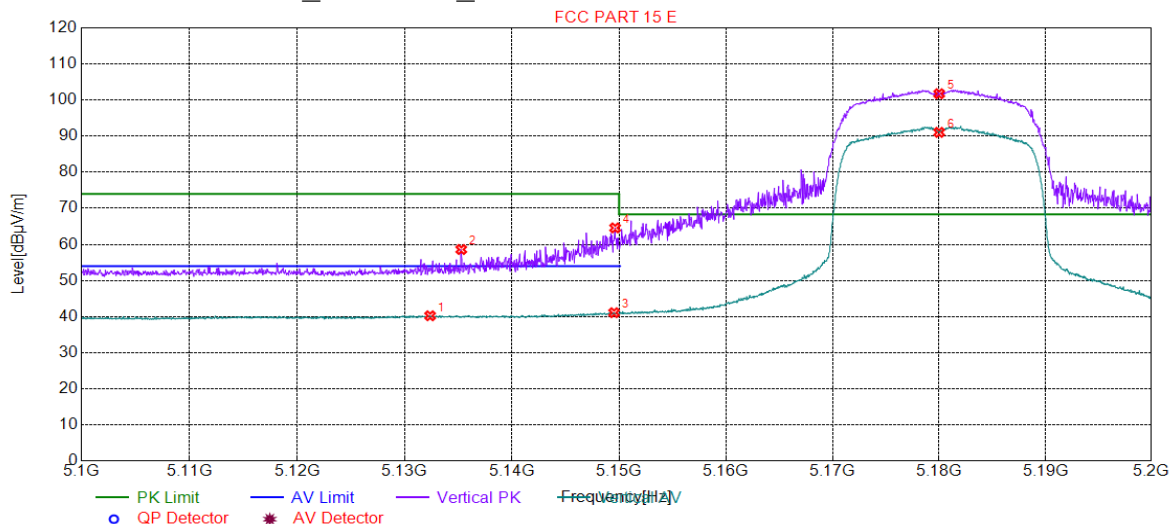
4.10.1.54 11N40_159 ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5795.0000	96.97	16.92	0.00	-96.97	150	85	Horizontal
2	5852.8539	58.90	17.05	115.79	56.89	150	92	Horizontal
3	5861.4582	57.60	17.06	109.09	51.49	150	85	Horizontal
4	5902.8789	55.67	17.15	84.67	29.00	150	92	Horizontal
5	5932.2936	55.32	17.27	68.30	12.98	150	113	Horizontal



4.10.1.55 11AC20_36 ANT 1_Vertical

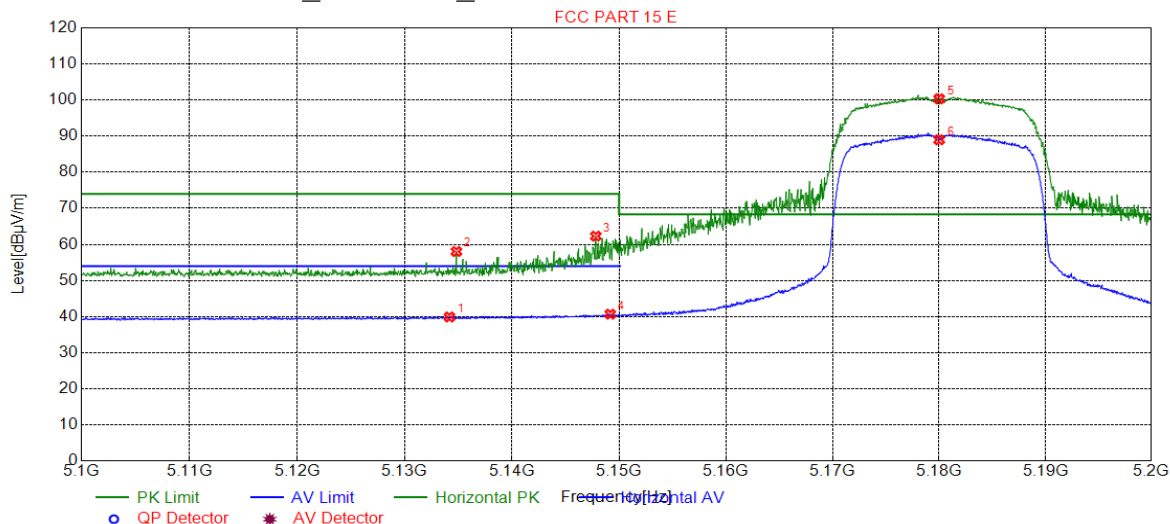


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5132.3662	40.22	15.29	54.00	13.78	150	161	Vertical
2	5135.2676	58.58	15.29	74.00	15.42	150	183	Vertical
3	5149.5248	41.08	15.30	54.00	12.92	150	178	Vertical
4	5149.6248	64.57	15.30	74.00	9.43	150	194	Vertical
5	5180.0000	101.74	15.32	68.30	-33.44	150	194	Vertical
6	5180.0000	91.04	15.32	0.00	-91.04	150	172	Vertical



4.10.1.56 11AC20_36 ANT 1_ Horizontal

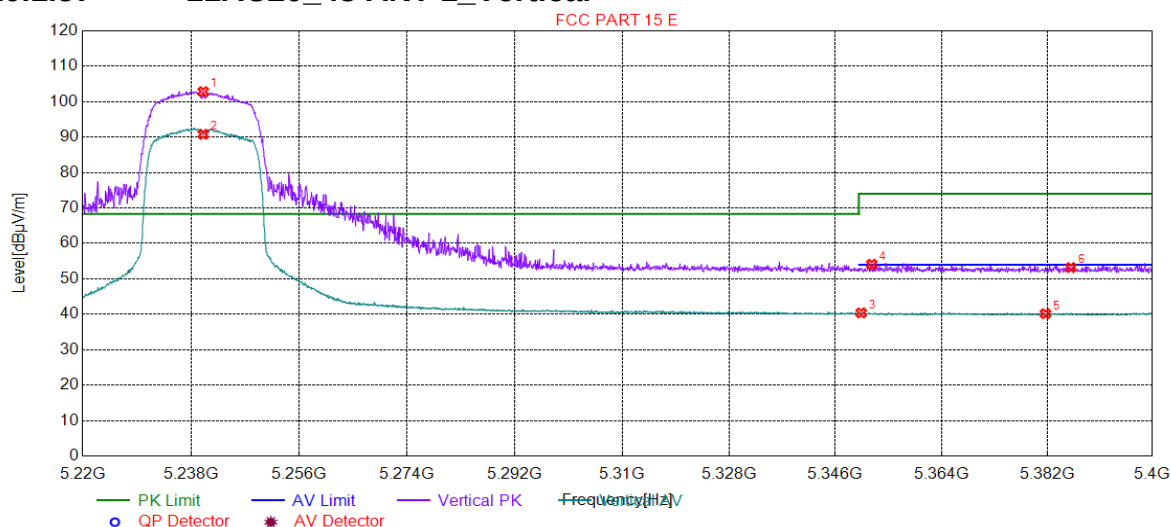


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5134.1671	39.89	15.29	54.00	14.11	150	143	Horizontal
2	5134.8174	58.03	15.29	74.00	15.97	150	149	Horizontal
3	5147.8239	62.29	15.30	74.00	11.71	150	149	Horizontal
4	5149.1746	40.67	15.30	54.00	13.33	150	314	Horizontal
5	5180.0000	100.34	15.32	68.30	-32.04	150	149	Horizontal
6	5180.0000	88.97	15.32	0.00	-88.97	150	143	Horizontal



4.10.1.57 11AC20_48 ANT 1_Vertical

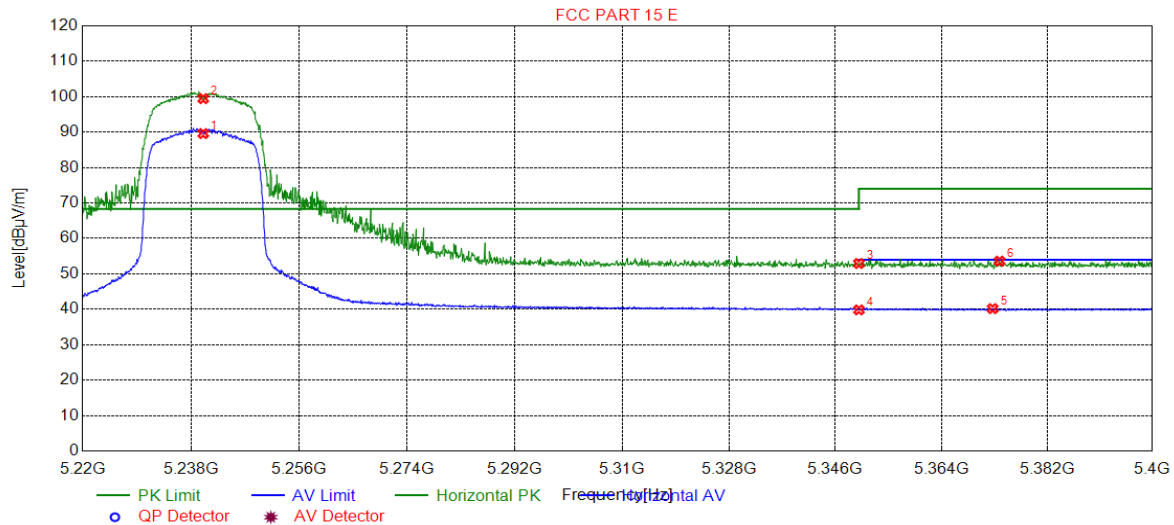


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5240.0000	102.84	15.57	68.30	-34.54	150	174	Vertical
2	5240.0000	90.80	15.57	0.00	-90.80	150	174	Vertical
3	5350.3852	40.40	16.04	54.00	13.60	150	148	Vertical
4	5352.1861	54.11	16.04	74.00	19.89	150	230	Vertical
5	5381.7209	40.16	16.10	54.00	13.84	150	160	Vertical
6	5386.0430	53.18	16.11	74.00	20.82	150	230	Vertical



4.10.1.58 11AC20_48 ANT 1_ Horizontal

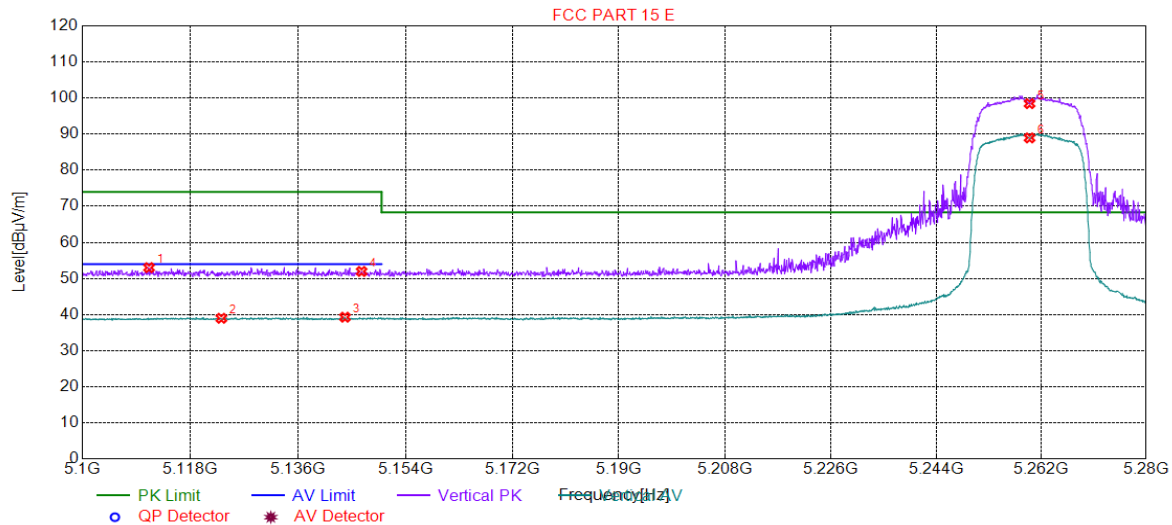


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5240.0000	89.59	15.57	0.00	-89.59	150	114	Horizontal
2	5240.0000	99.45	15.57	68.30	-31.15	150	114	Horizontal
3	5350.0000	52.93	16.04	74.00	21.07	150	161	Horizontal
4	5350.0000	39.83	16.04	54.00	14.17	150	45	Horizontal
5	5372.7164	40.19	16.08	54.00	13.81	150	107	Horizontal
6	5373.8869	53.59	16.09	74.00	20.41	150	114	Horizontal



4.10.1.59 11AC20_52 ANT 1_Vertical

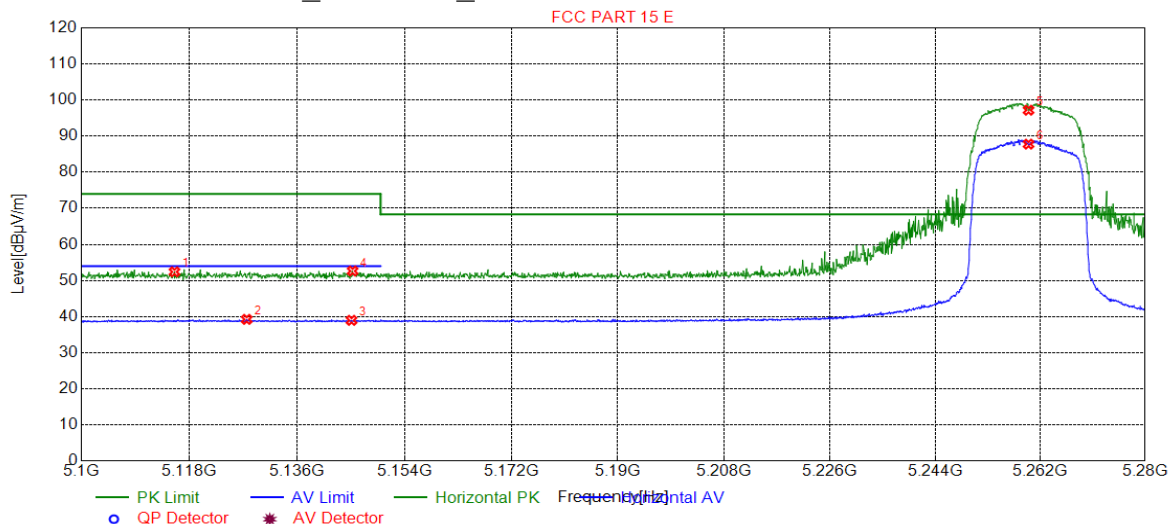


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5111.0755	53.01	15.28	74.00	20.99	150	359	Vertical
2	5123.1416	38.97	15.28	54.00	15.03	150	70	Vertical
3	5143.8519	39.27	15.30	54.00	14.73	150	117	Vertical
4	5146.6433	51.95	15.30	74.00	22.05	150	138	Vertical
5	5260.0000	98.45	15.69	68.30	-30.15	150	124	Vertical
6	5260.0000	88.95	15.69	0.00	-88.95	150	131	Vertical



4.10.1.60 11AC20_52 ANT 1_ Horizontal

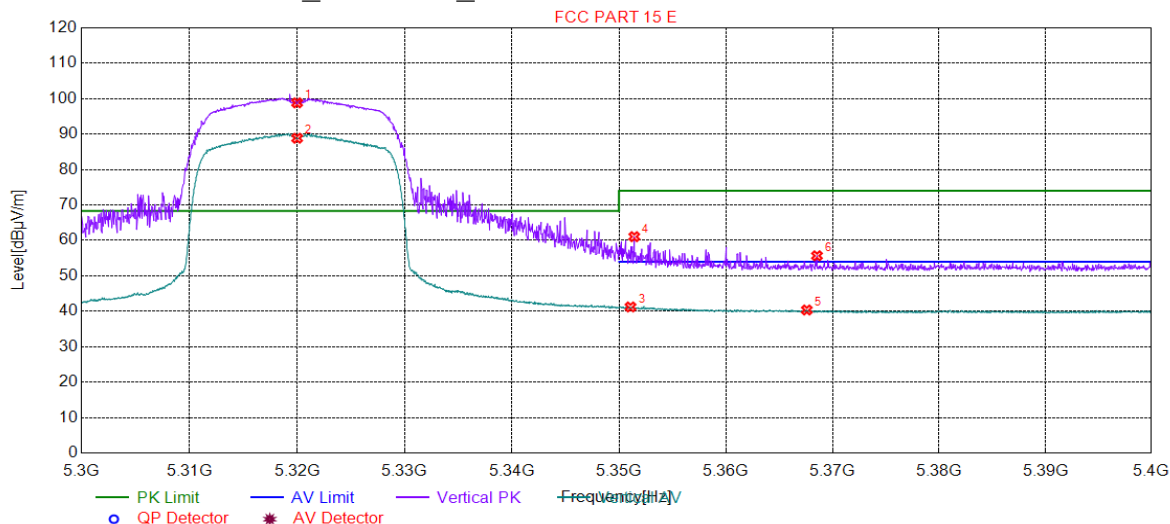


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5115.4877	52.39	15.28	74.00	21.61	150	324	Horizontal
2	5127.5538	39.23	15.29	54.00	14.77	150	24	Horizontal
3	5145.1126	38.96	15.30	54.00	15.04	150	310	Horizontal
4	5145.2926	52.62	15.30	74.00	21.38	150	17	Horizontal
5	5260.0000	97.18	15.69	68.30	-28.88	150	262	Horizontal
6	5260.0000	87.78	15.69	0.00	-87.78	150	262	Horizontal



4.10.1.61 11AC20_64 ANT 1_Vertical

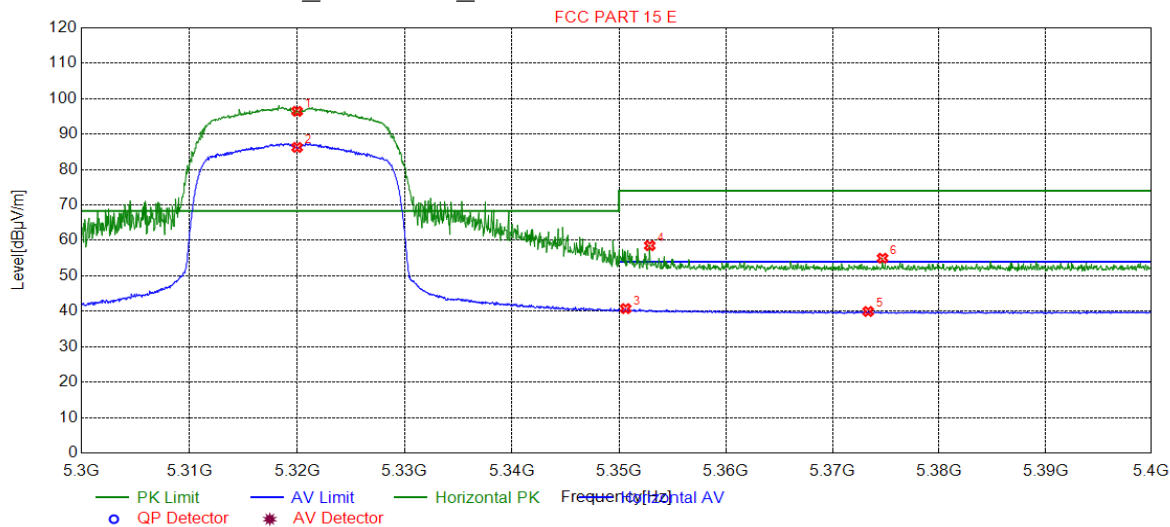


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5320.0000	98.82	15.97	68.30	-30.52	150	124	Vertical
2	5320.0000	88.84	15.97	0.00	-88.84	150	131	Vertical
3	5351.0755	41.23	16.04	54.00	12.77	150	131	Vertical
4	5351.4257	61.06	16.04	74.00	12.94	150	63	Vertical
5	5367.5838	40.37	16.07	54.00	13.63	150	124	Vertical
6	5368.5343	55.67	16.07	74.00	18.33	150	152	Vertical



4.10.1.62 11AC20_64 ANT 1_ Horizontal

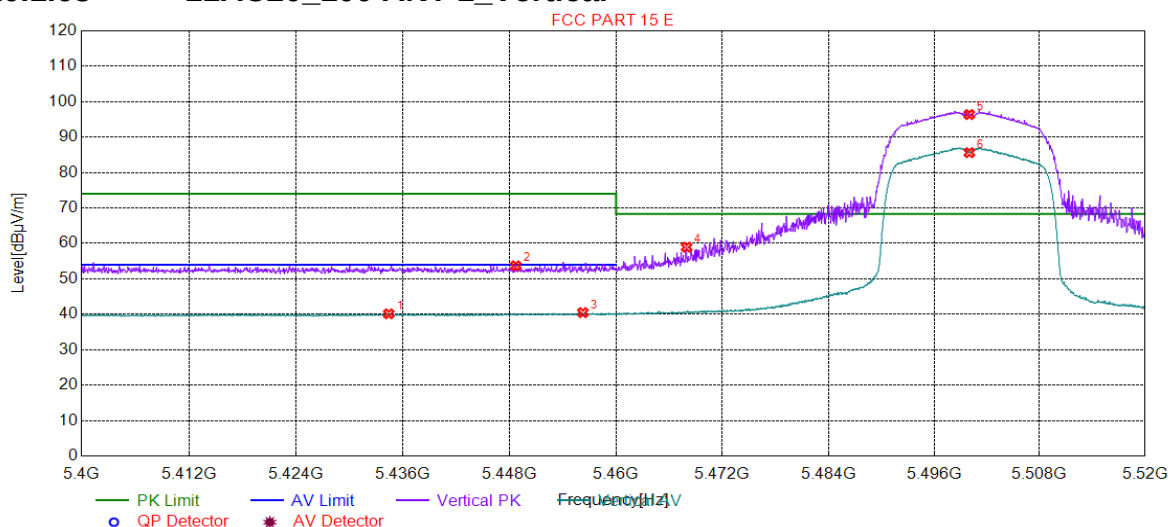


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5320.0000	96.44	15.97	68.30	-28.14	150	310	Horizontal
2	5320.0000	86.25	15.97	0.00	-86.25	150	310	Horizontal
3	5350.6253	40.77	16.04	54.00	13.23	150	317	Horizontal
4	5352.8764	58.53	16.04	74.00	15.47	150	310	Horizontal
5	5373.3367	39.95	16.08	54.00	14.05	150	86	Horizontal
6	5374.6873	54.98	16.09	74.00	19.02	150	222	Horizontal



4.10.1.63 11AC20_100 ANT 1_Vertical

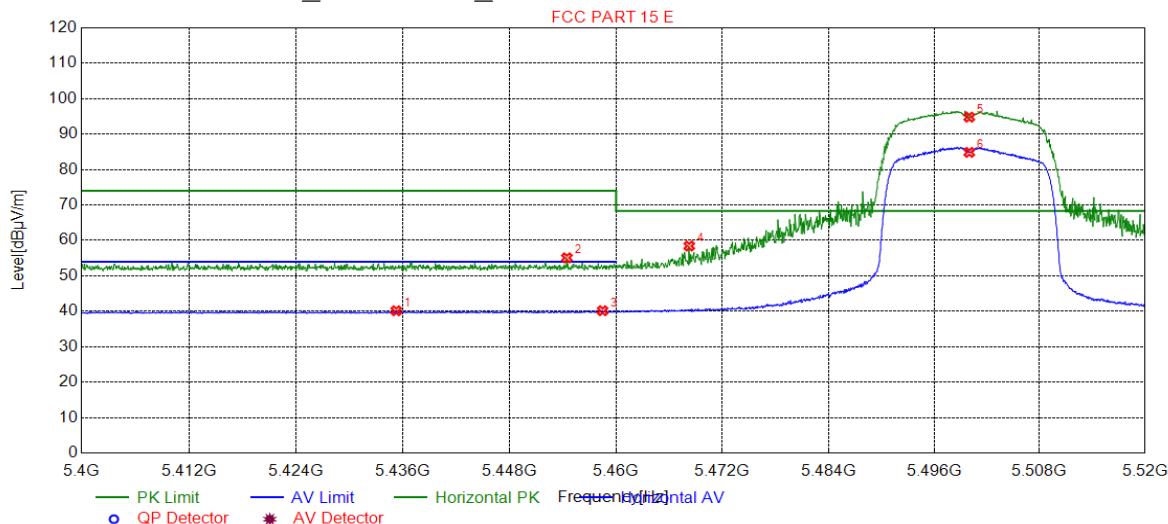


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5434.3972	40.14	16.13	54.00	13.86	150	121	Vertical
2	5448.6843	53.69	16.13	74.00	20.31	150	62	Vertical
3	5456.2481	40.47	16.13	54.00	13.53	150	115	Vertical
4	5467.9540	58.96	16.13	68.30	9.34	150	121	Vertical
5	5500.0000	96.38	16.12	68.30	-28.08	150	89	Vertical
6	5500.0000	85.62	16.12	0.00	-85.62	150	78	Vertical



4.10.1.64 11AC20_100 ANT 1_Horizontal

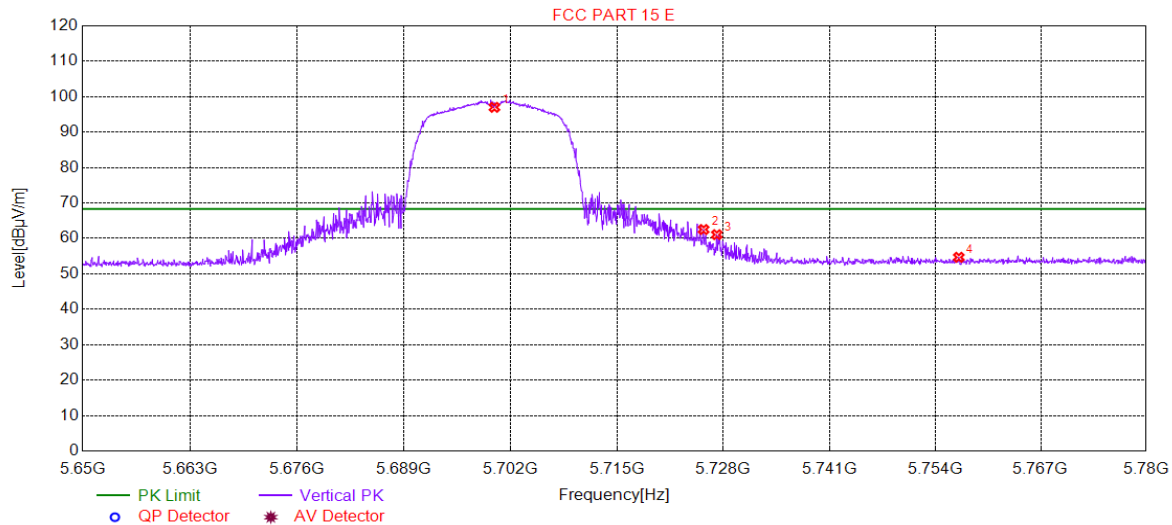


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5435.2376	40.15	16.13	54.00	13.85	150	260	Horizontal
2	5454.4472	55.09	16.13	74.00	18.91	150	254	Horizontal
3	5458.4692	40.16	16.13	54.00	13.84	150	109	Horizontal
4	5468.2541	58.43	16.13	68.30	9.87	150	104	Horizontal
5	5500.0000	94.80	16.12	68.30	-26.50	150	114	Horizontal
6	5500.0000	84.85	16.12	0.00	-84.85	150	114	Horizontal



4.10.1.65 11AC20_140 ANT 1_Vertical

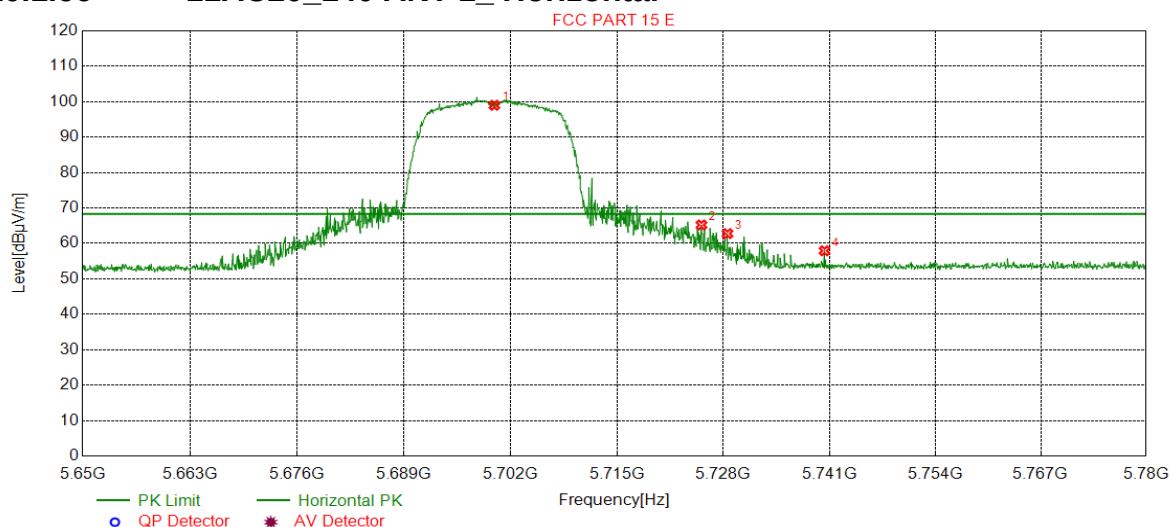


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5700.0000	97.00	16.58	68.30	-28.70	150	94	Vertical
2	5725.5678	62.52	16.67	68.30	5.78	150	94	Vertical
3	5727.1936	61.07	16.68	68.30	7.23	150	116	Vertical
4	5756.9135	54.68	16.78	68.30	13.62	150	290	Vertical



4.10.1.66 11AC20_140 ANT 1_Horizontal

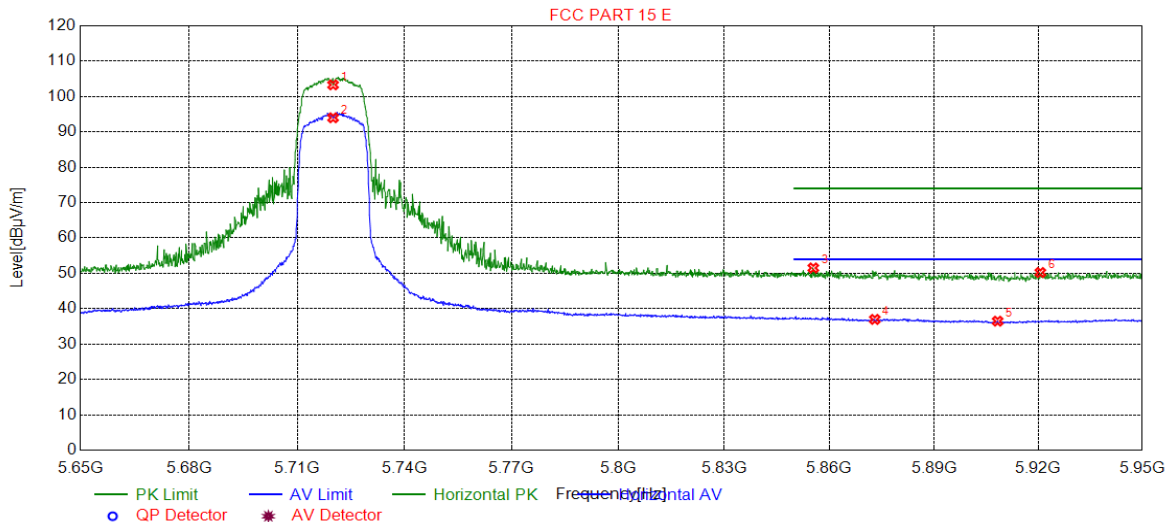


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5700.0000	99.00	16.58	68.30	-30.70	150	308	Horizontal
2	5725.3077	65.21	16.67	68.30	3.09	150	308	Horizontal
3	5728.4942	62.77	16.68	68.30	5.53	150	271	Horizontal
4	5740.3952	57.92	16.73	68.30	10.38	150	271	Horizontal



4.10.1.67 11AC20_144 ANT 1_ Horizontal

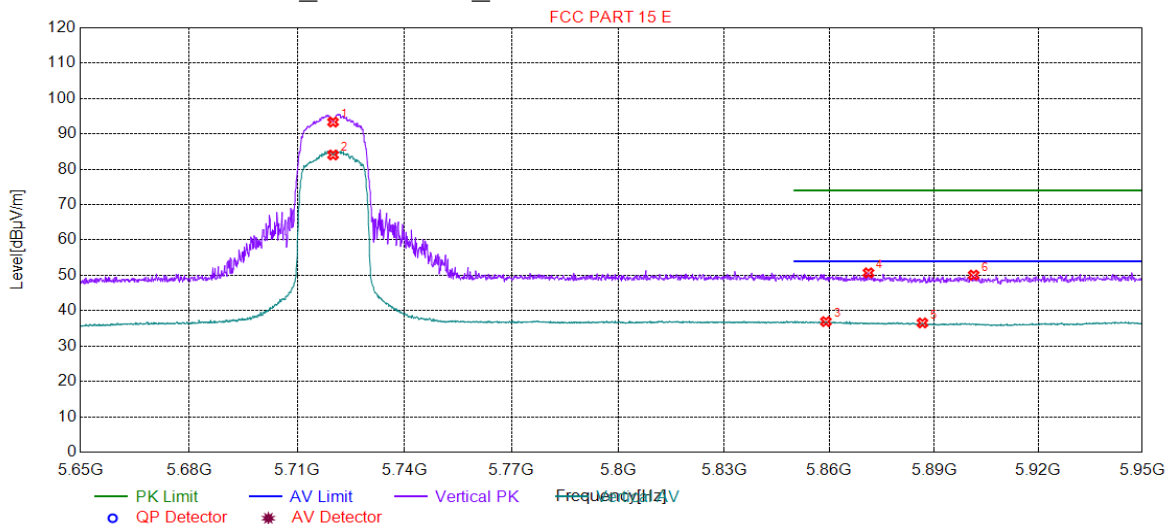


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5720.0000	103.29	19.80	0.00	-103.29	150	9	Horizontal
2	5720.0000	93.99	19.80	0.00	-93.99	150	16	Horizontal
3	5855.4527	51.53	20.36	74.00	22.47	150	57	Horizontal
4	5873.0115	36.98	20.29	54.00	17.02	150	29	Horizontal
5	5908.2791	36.48	20.25	54.00	17.52	150	221	Horizontal
6	5920.5853	50.24	20.37	74.00	23.76	150	16	Horizontal



4.10.1.68 11AC20_144 ANT 1_Vertical

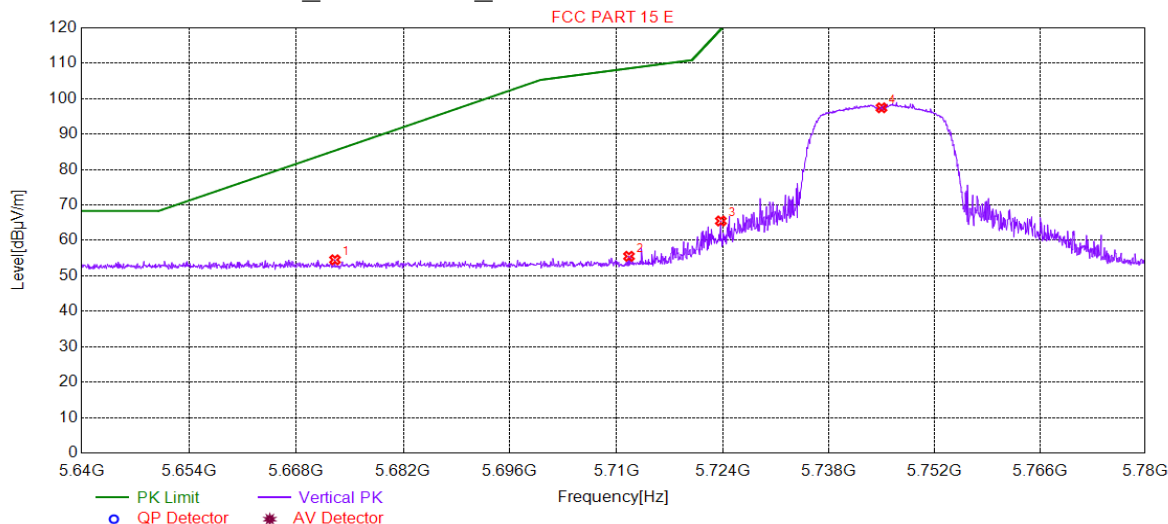


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5720.0000	93.33	19.80	0.00	-93.33	150	185	Vertical
2	5720.0000	84.04	19.80	0.00	-84.04	150	192	Vertical
3	5859.0545	36.93	20.34	54.00	17.07	150	336	Vertical
4	5871.2106	50.70	20.30	74.00	23.30	150	70	Vertical
5	5886.6683	36.55	20.23	54.00	17.45	150	235	Vertical
6	5901.3757	50.07	20.19	74.00	23.93	150	77	Vertical



4.10.1.69 11AC20_149 ANT 1_Vertical

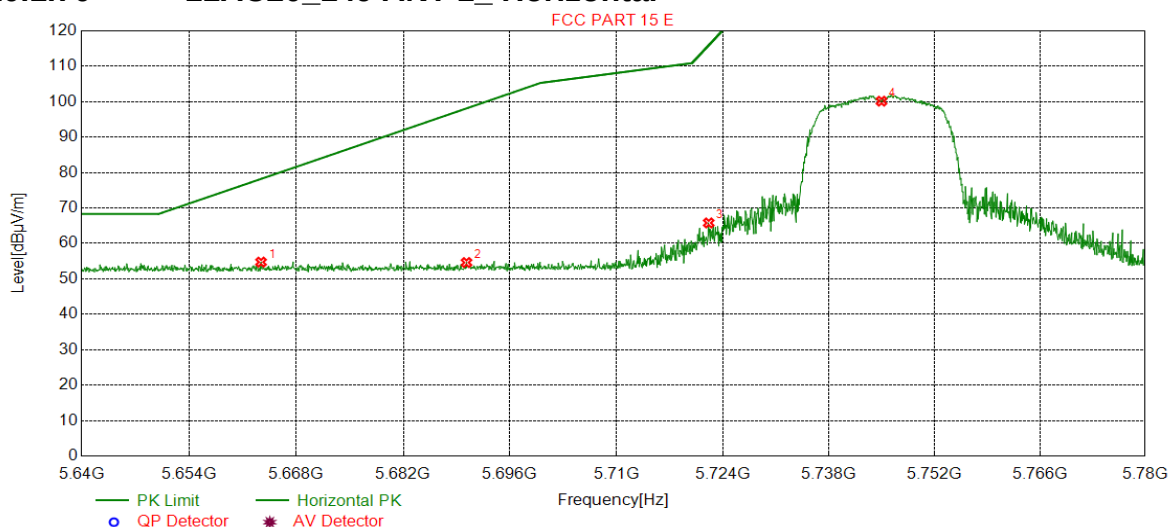


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5673.0565	54.53	16.59	85.36	30.83	150	80	Vertical
2	5711.6458	55.52	16.62	108.56	53.04	150	117	Vertical
3	5723.7619	65.49	16.67	119.48	53.99	150	126	Vertical
4	5745.0000	97.43	16.74	0.00	-97.43	150	112	Vertical



4.10.1.70 11AC20_149 ANT 1_Horizontal

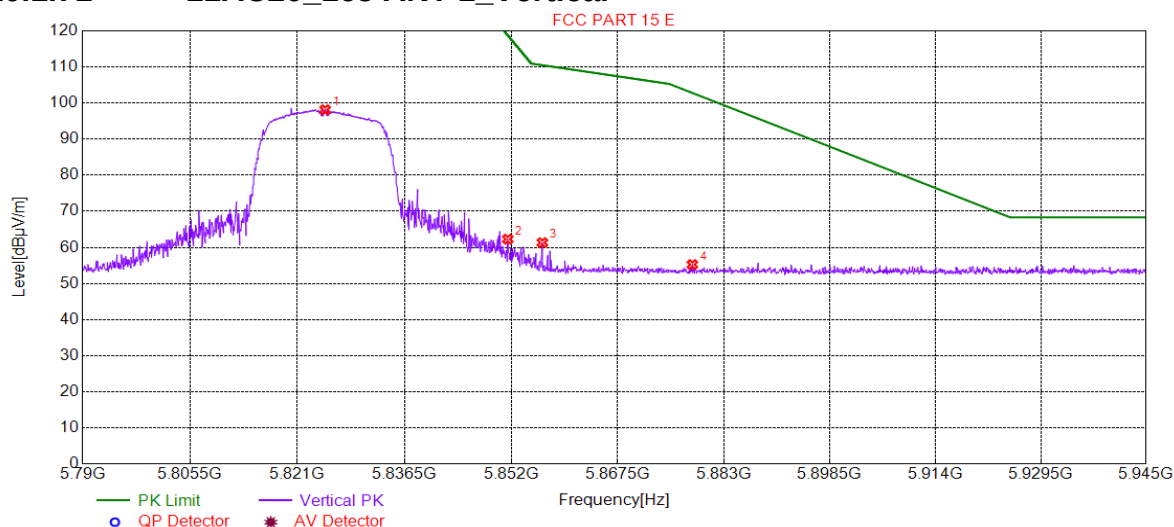


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5663.3917	54.73	16.59	78.21	23.48	150	312	Horizontal
2	5690.2851	54.60	16.58	98.11	43.51	150	102	Horizontal
3	5722.1511	65.79	16.66	115.80	50.01	150	267	Horizontal
4	5745.0000	100.15	16.74	0.00	-100.15	150	271	Horizontal



4.10.1.71 11AC20_165 ANT 1_Vertical

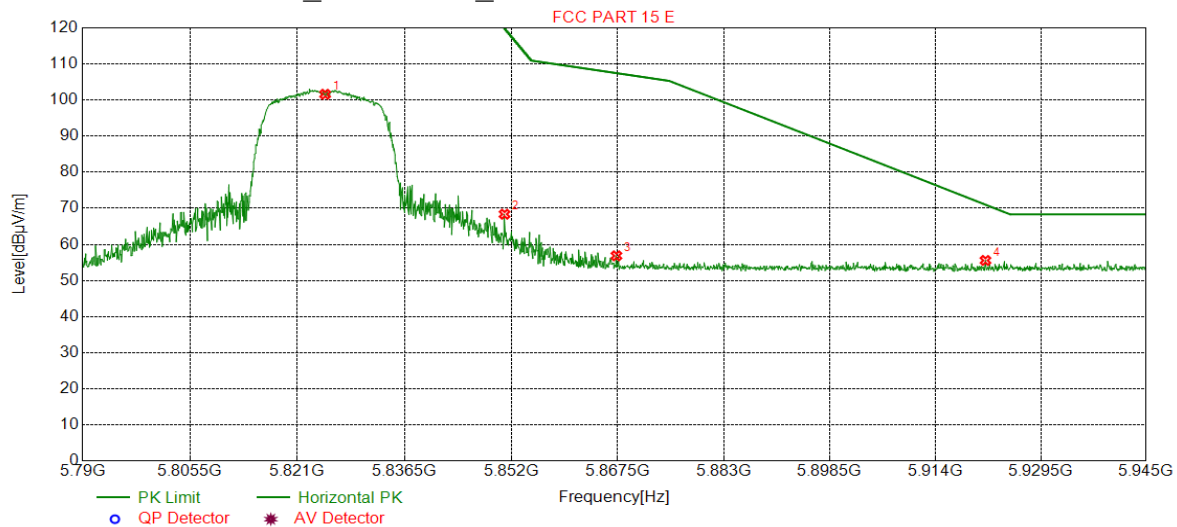


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5825.0000	98.14	16.99	0.00	-98.14	150	140	Vertical
2	5851.4882	62.28	17.04	118.91	56.63	150	108	Vertical
3	5856.5283	61.31	17.05	110.47	49.16	150	126	Vertical
4	5878.3942	55.24	17.10	102.79	47.55	150	16	Vertical



4.10.1.72 11AC20_165 ANT 1_ Horizontal

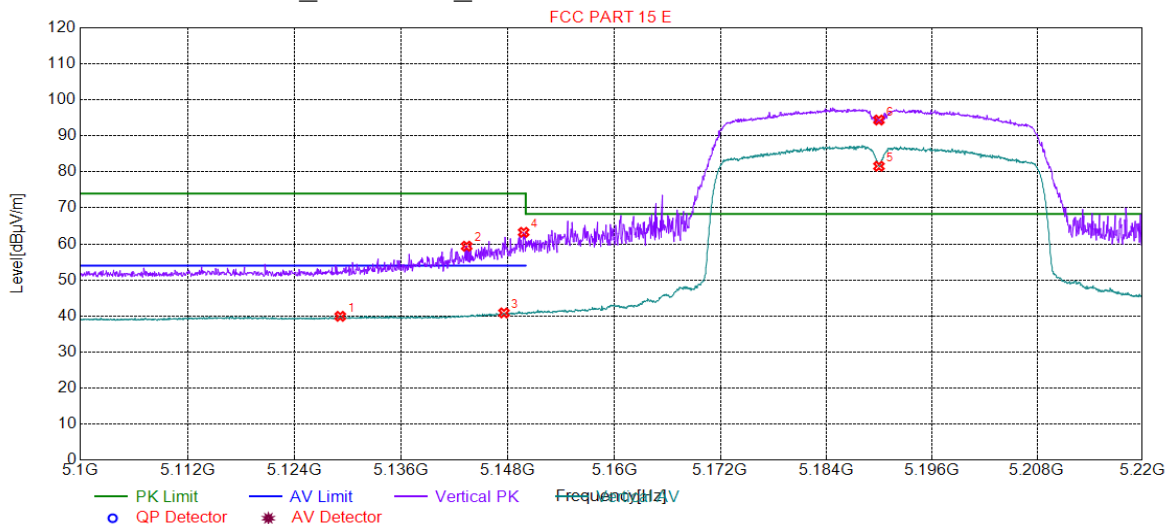


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5825.0000	101.60	16.99	0.00	-101.60	150	271	Horizontal
2	5851.0230	68.37	17.04	119.97	51.60	150	271	Horizontal
3	5867.3062	56.84	17.07	107.45	50.61	150	276	Horizontal
4	5921.3507	55.55	17.22	71.00	15.45	150	308	Horizontal



4.10.1.73 11AC40_38 ANT 1_ Vertical

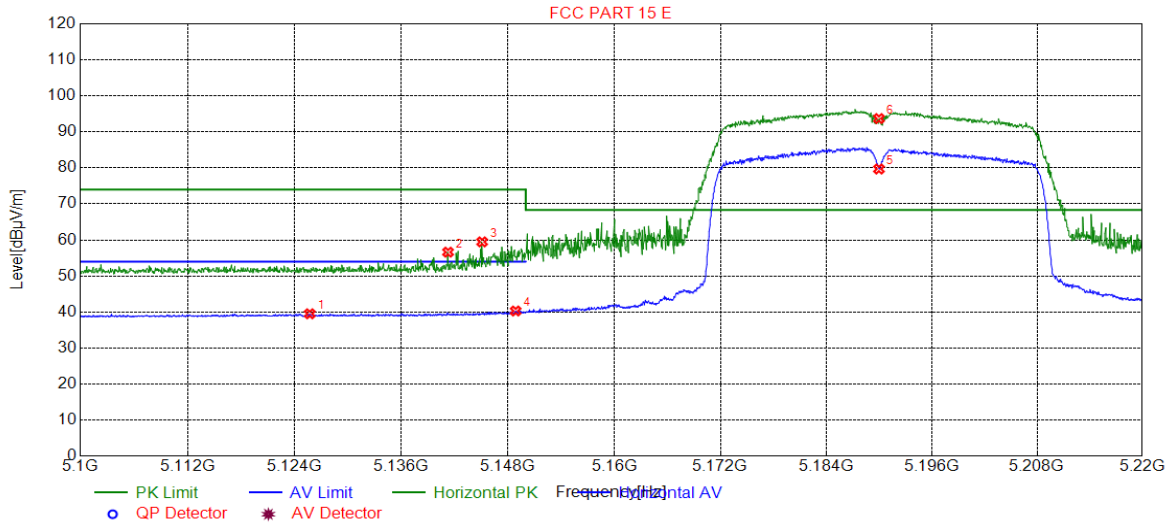


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5129.1146	39.91	15.29	54.00	14.09	150	123	Vertical
2	5143.3417	59.38	15.30	74.00	14.62	150	123	Vertical
3	5147.5438	40.85	15.30	54.00	13.15	150	123	Vertical
4	5149.7649	63.23	15.30	74.00	10.77	150	117	Vertical
5	5190.0000	81.57	15.32	0.00	-81.57	150	128	Vertical
6	5190.0000	94.39	15.32	68.30	-26.09	150	117	Vertical



4.10.1.74 11AC40_38 ANT 1_ Horizontal

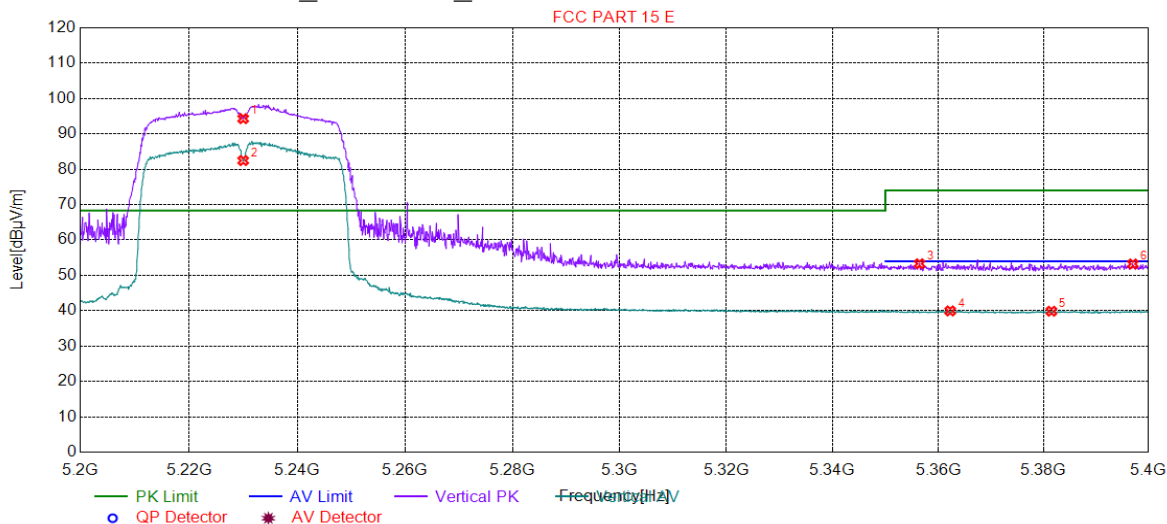


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5125.6928	39.50	15.29	54.00	14.50	150	314	Horizontal
2	5141.2406	56.61	15.29	74.00	17.39	150	303	Horizontal
3	5145.0825	59.46	15.30	74.00	14.54	150	314	Horizontal
4	5148.8644	40.28	15.30	54.00	13.72	150	308	Horizontal
5	5190.0000	79.69	15.32	0.00	-79.69	150	303	Horizontal
6	5190.0000	93.69	15.32	68.30	-25.39	150	308	Horizontal



4.10.1.75 11AC40_46 ANT 1_ Vertical

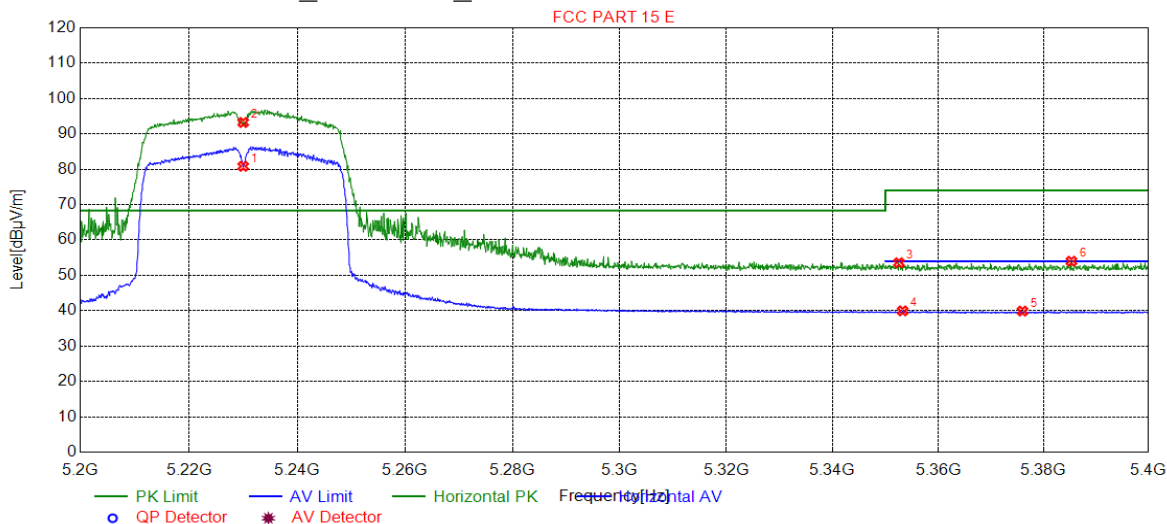


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5230.0000	94.31	15.51	68.30	-26.01	150	84	Vertical
2	5230.0000	82.46	15.51	0.00	-82.46	150	125	Vertical
3	5356.4782	53.28	16.05	74.00	20.72	150	240	Vertical
4	5362.2811	39.94	16.06	54.00	14.06	150	179	Vertical
5	5381.4907	39.86	16.10	54.00	14.14	150	22	Vertical
6	5396.9985	53.22	16.13	74.00	20.78	150	56	Vertical



4.10.1.76 11AC40_46 ANT 1_ Horizontal

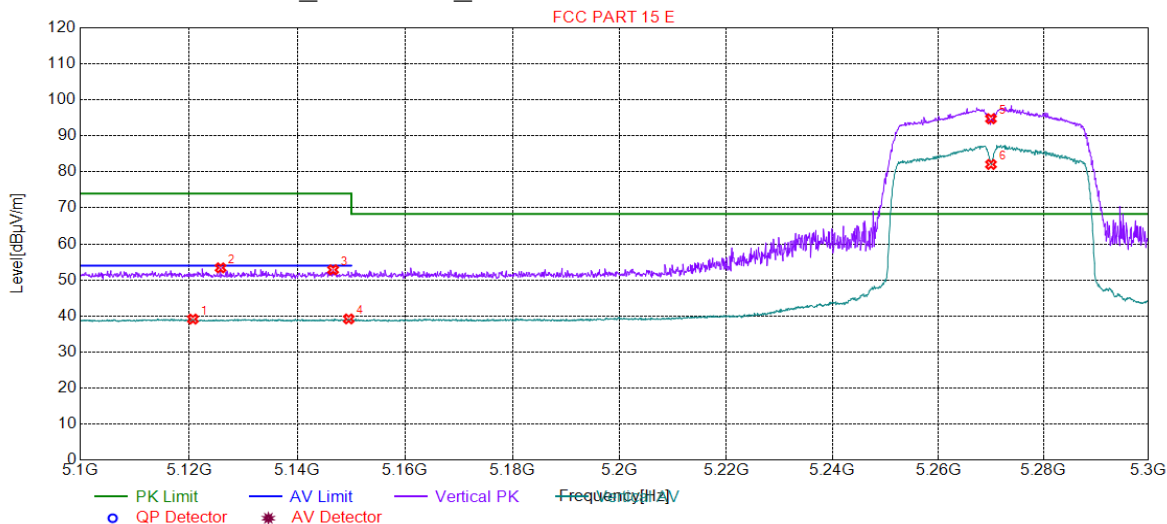


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5230.0000	80.83	15.51	0.00	-80.83	150	269	Horizontal
2	5230.0000	93.23	15.51	68.30	-24.93	150	263	Horizontal
3	5352.5763	53.55	16.04	74.00	20.45	150	242	Horizontal
4	5353.2766	39.96	16.04	54.00	14.04	150	116	Horizontal
5	5375.9880	39.90	16.09	54.00	14.10	150	311	Horizontal
6	5385.2926	54.00	16.11	74.00	20.00	150	344	Horizontal



4.10.1.77 11AC40_54 ANT 1_ Vertical

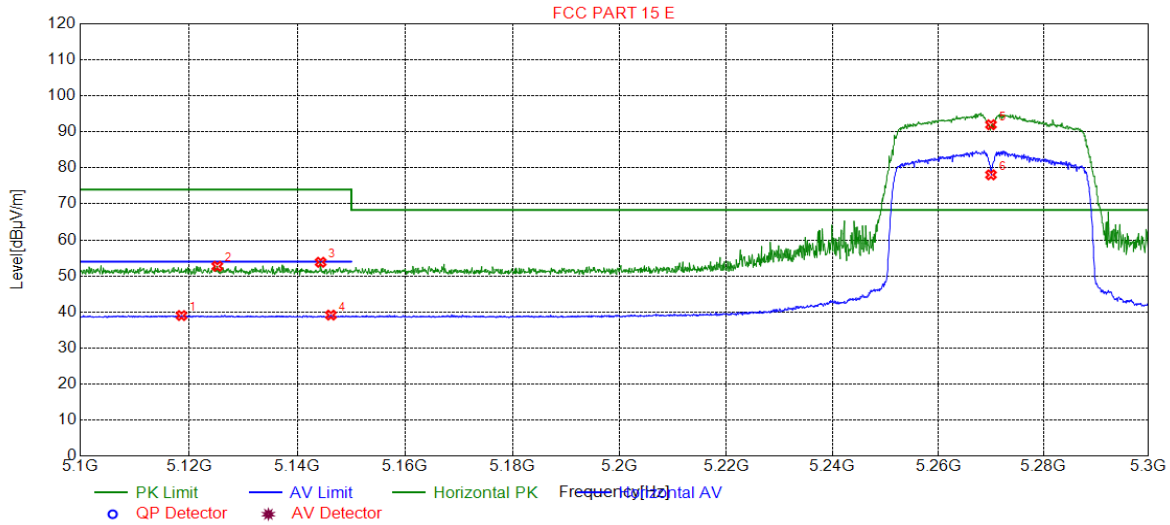


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5120.7104	39.15	15.28	54.00	14.85	150	159	Vertical
2	5125.8129	53.36	15.29	74.00	20.64	150	77	Vertical
3	5146.6233	52.82	15.30	74.00	21.18	150	90	Vertical
4	5149.5248	39.19	15.30	54.00	14.81	150	131	Vertical
5	5270.0000	94.75	15.75	68.30	-26.45	150	118	Vertical
6	5270.0000	82.06	15.75	0.00	-82.06	150	118	Vertical



4.10.1.78 11AC40_54 ANT 1_ Horizontal

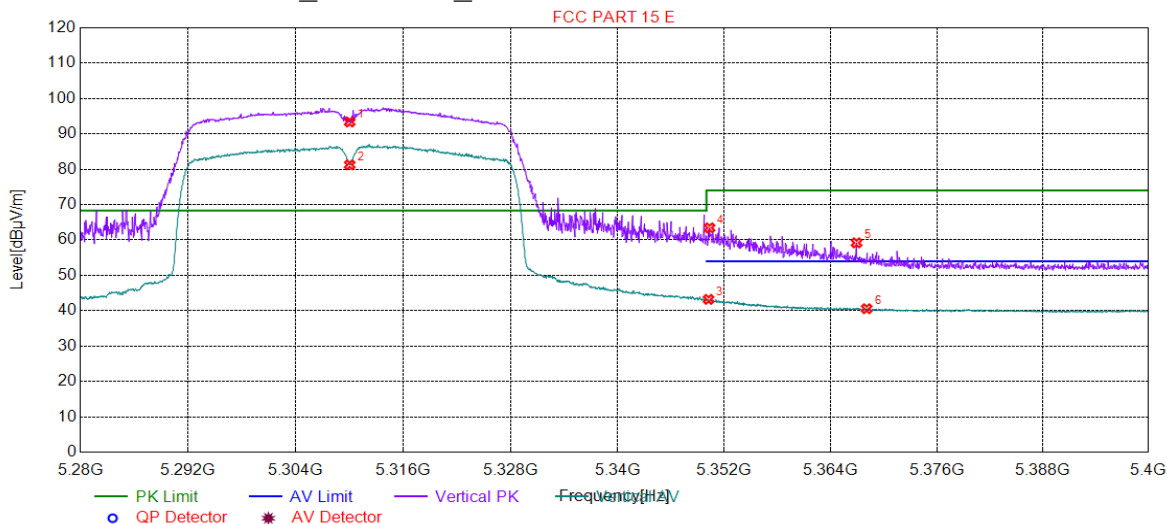


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5118.6093	39.01	15.28	54.00	14.99	150	215	Horizontal
2	5125.2126	52.69	15.29	74.00	21.31	150	297	Horizontal
3	5144.3222	53.80	15.30	74.00	20.20	150	174	Horizontal
4	5146.2231	39.14	15.30	54.00	14.86	150	1	Horizontal
5	5270.0000	91.98	15.75	68.30	-23.68	150	297	Horizontal
6	5270.0000	78.07	15.75	0.00	-78.07	150	304	Horizontal



4.10.1.79 11AC40_62 ANT 1_ Vertical

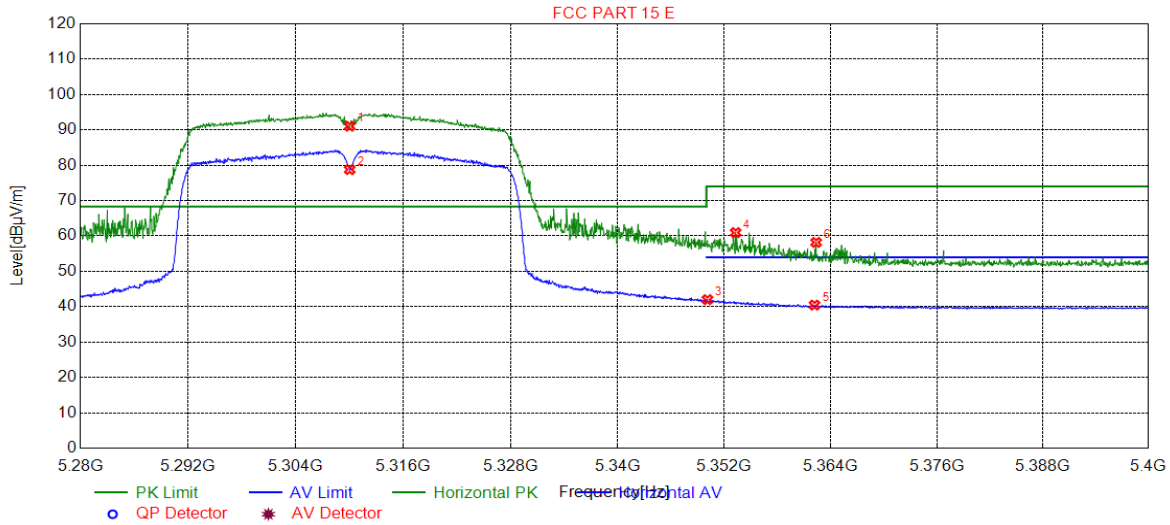


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5310.0000	93.37	15.95	0.00	-93.37	150	62	Vertical
2	5310.0000	81.26	15.95	0.00	-81.26	150	122	Vertical
3	5350.2351	43.21	16.04	54.00	10.79	150	136	Vertical
4	5350.3552	63.44	16.04	74.00	10.56	150	76	Vertical
5	5366.9235	59.19	16.07	74.00	14.81	150	115	Vertical
6	5368.0640	40.57	16.07	54.00	13.43	150	129	Vertical



4.10.1.80 11AC40_62 ANT 1_ Horizontal

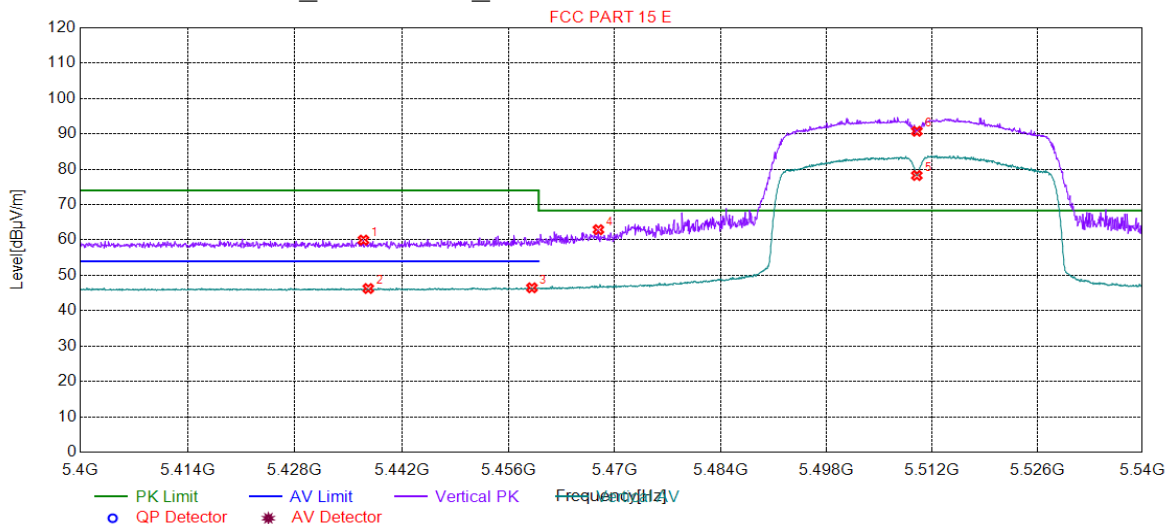


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5310.0000	91.04	15.95	68.30	-22.74	150	85	Horizontal
2	5310.0000	78.77	15.95	0.00	-78.77	150	92	Horizontal
3	5350.1151	42.00	16.04	54.00	12.00	150	269	Horizontal
4	5353.2966	60.96	16.04	74.00	13.04	150	310	Horizontal
5	5362.1811	40.47	16.06	54.00	13.53	150	262	Horizontal
6	5362.3612	58.19	16.06	74.00	15.81	150	262	Horizontal



4.10.1.81 11AC40_102 ANT 1_Vertical

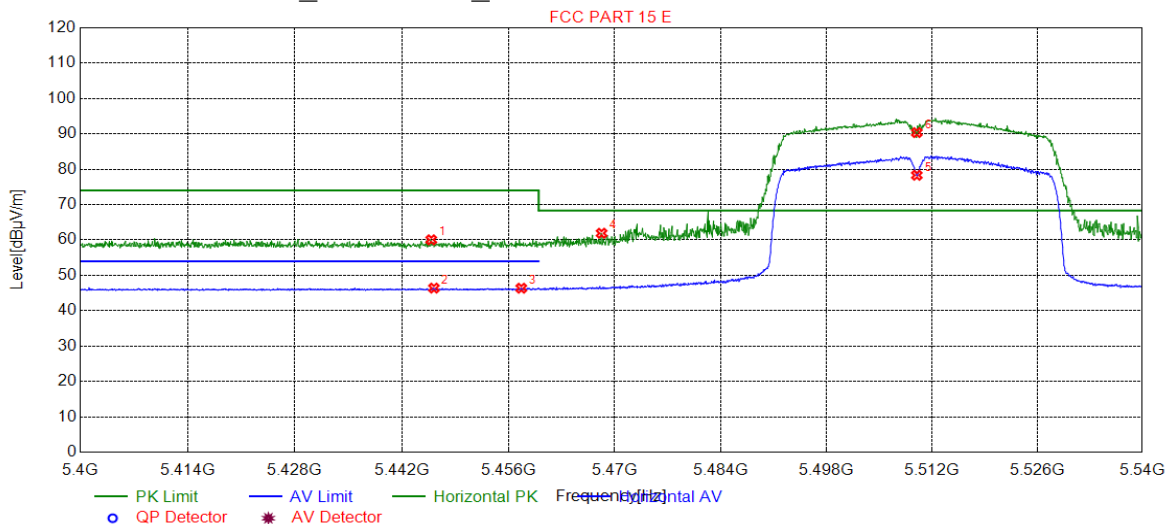


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5436.9785	59.97	16.13	74.00	14.03	150	102	Vertical
2	5437.6088	46.28	16.13	54.00	7.72	150	16	Vertical
3	5459.1096	46.48	16.13	54.00	7.52	150	76	Vertical
4	5467.8639	62.91	16.13	68.30	5.39	150	109	Vertical
5	5510.0000	78.23	16.17	0.00	-78.23	150	82	Vertical
6	5510.0000	90.74	16.17	68.30	-22.44	150	102	Vertical



4.10.1.82 11AC40_102 ANT 1_Horizontal

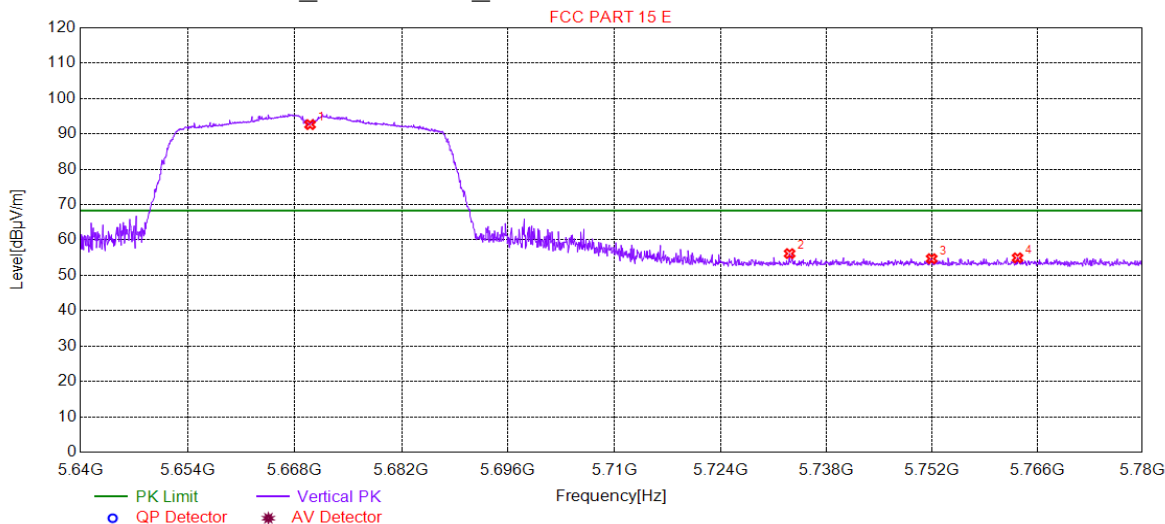


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5445.8729	60.05	16.13	74.00	13.95	150	284	Horizontal
2	5446.2231	46.40	16.13	54.00	7.60	150	178	Horizontal
3	5457.7089	46.36	16.13	54.00	7.64	150	124	Horizontal
4	5468.2841	61.91	16.13	68.30	6.39	150	97	Horizontal
5	5510.0000	78.30	16.17	0.00	-78.30	150	110	Horizontal
6	5510.0000	90.37	16.17	68.30	-22.07	150	110	Horizontal



4.10.1.83 11AC40_134 ANT 1_Vertical

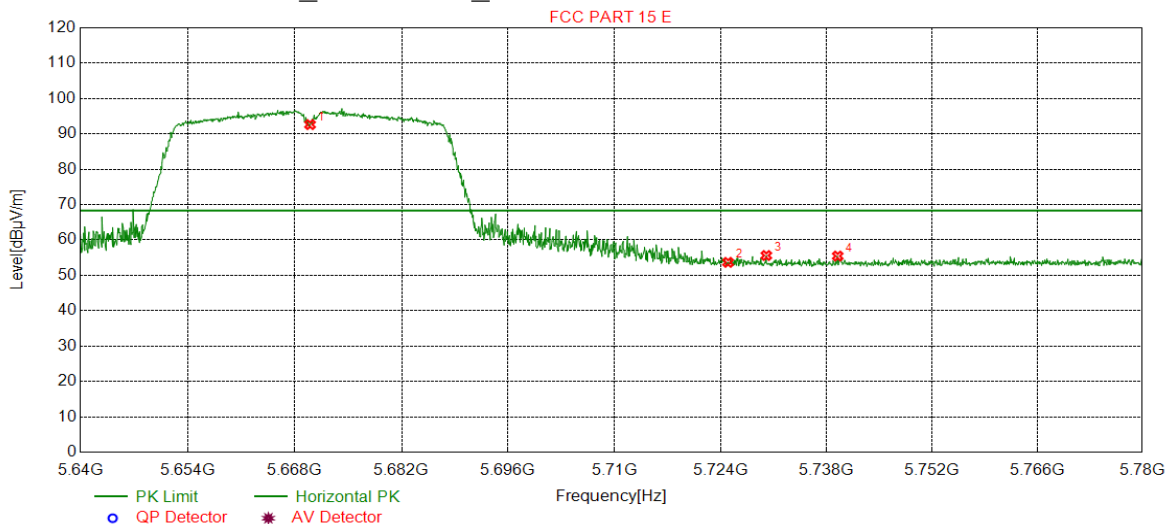


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5670.0000	92.62	16.59	68.30	-24.32	150	116	Vertical
2	5733.1466	56.15	16.70	68.30	12.15	150	116	Vertical
3	5751.9860	54.71	16.77	68.30	13.59	150	107	Vertical
4	5763.4017	54.95	16.81	68.30	13.35	150	75	Vertical



4.10.1.84 11AC40_134 ANT 1_Horizontal

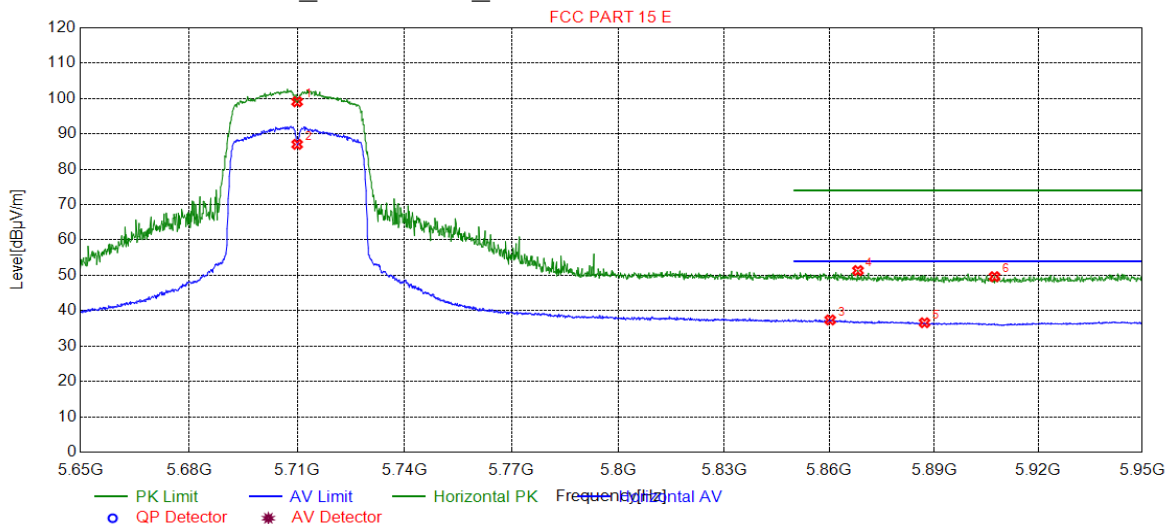


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5670.0000	92.63	16.59	68.30	-24.33	150	261	Horizontal
2	5725.0000	53.68	16.67	68.30	14.62	150	193	Horizontal
3	5730.0650	55.61	16.69	68.30	12.69	150	234	Horizontal
4	5739.5198	55.46	16.72	68.30	12.84	150	307	Horizontal



4.10.1.85 11AC40_142 ANT 1_Horizontal

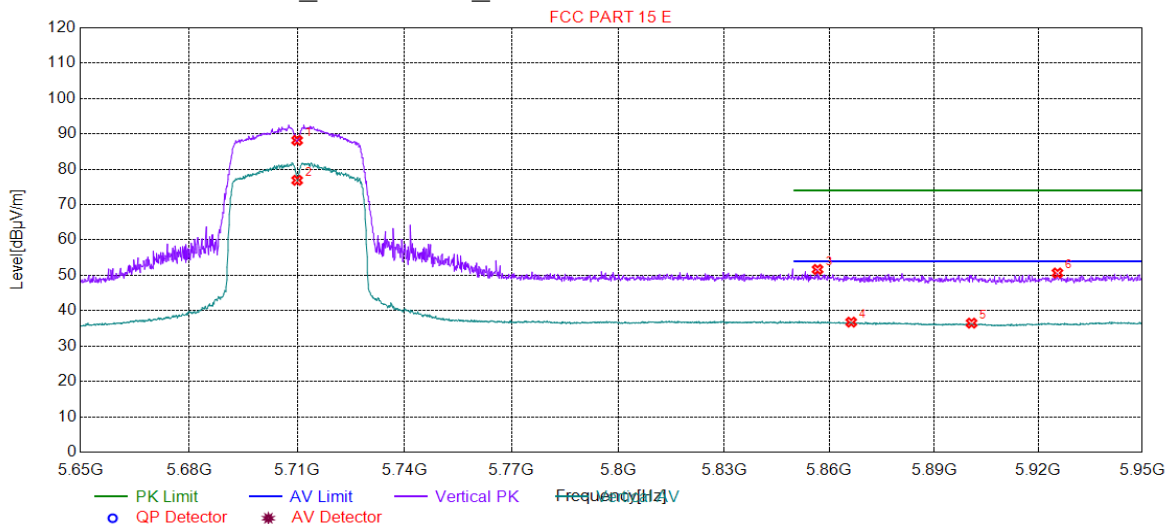


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5710.0000	99.08	19.76	0.00	-99.08	150	13	Horizontal
2	5710.0000	87.03	19.76	0.00	-87.03	150	28	Horizontal
3	5860.2551	37.40	20.34	54.00	16.60	150	28	Horizontal
4	5868.2091	51.35	20.31	74.00	22.65	150	344	Horizontal
5	5887.2686	36.60	20.23	54.00	17.40	150	34	Horizontal
6	5907.3787	49.63	20.25	74.00	24.37	150	278	Horizontal



4.10.1.86 11AC40_142 ANT 1_Vertical

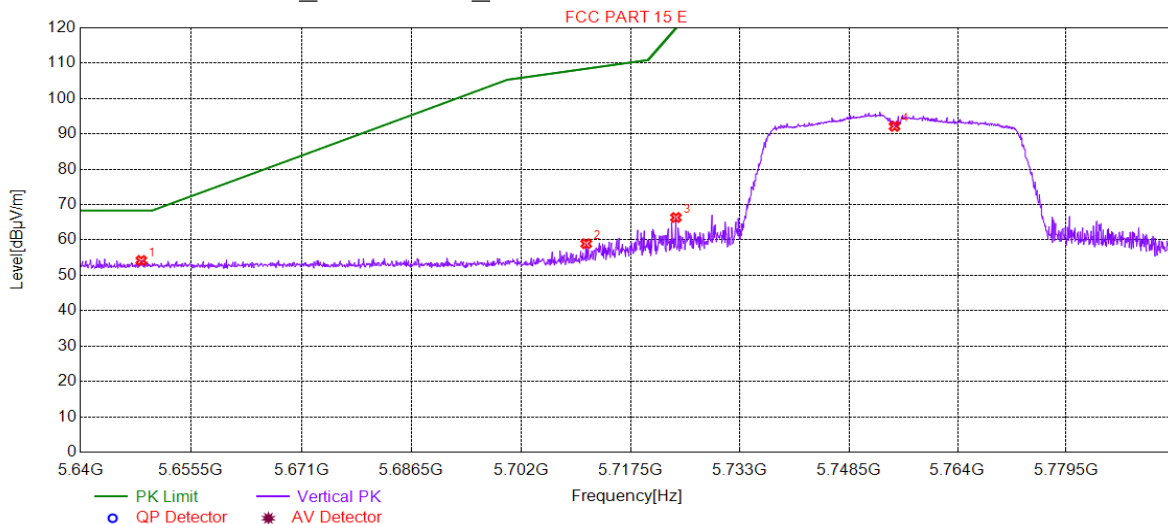


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5710.0000	88.17	19.76	0.00	-88.17	150	193	Vertical
2	5710.0000	76.87	19.76	0.00	-76.87	150	193	Vertical
3	5856.6533	51.67	20.35	74.00	22.33	150	22	Vertical
4	5866.2581	36.77	20.31	54.00	17.23	150	214	Vertical
5	5900.7754	36.49	20.19	54.00	17.51	150	186	Vertical
6	5925.5378	50.67	20.41	74.00	23.33	150	22	Vertical



4.10.1.87 11AC40_151 ANT 1_Vertical

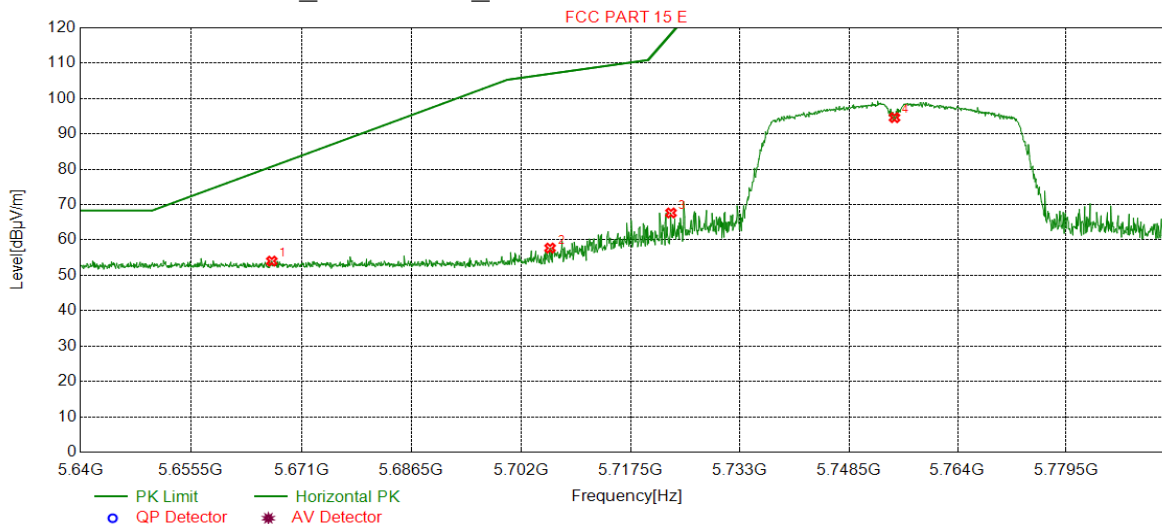


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5648.5293	54.20	16.59	68.30	14.10	150	107	Vertical
2	5711.1806	58.95	16.62	108.43	49.48	150	121	Vertical
3	5723.8969	66.35	16.67	119.79	53.44	150	130	Vertical
4	5755.0000	92.12	16.78	0.00	-92.12	150	102	Vertical



4.10.1.88 11AC40_151 ANT 1_Horizontal

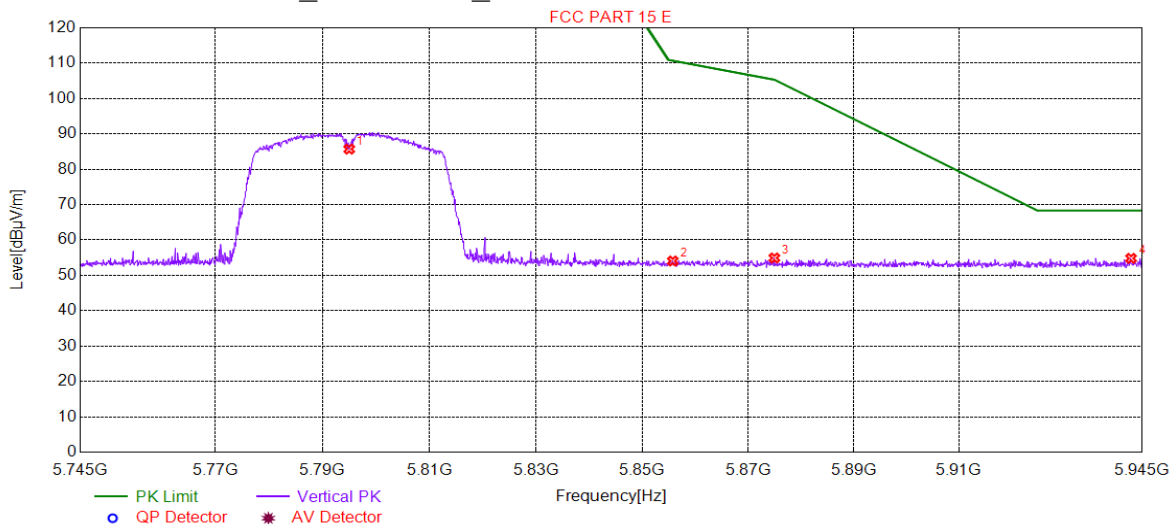


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5666.8284	54.03	16.59	80.75	26.72	150	6	Horizontal
2	5706.0630	57.71	16.60	107.00	49.29	150	262	Horizontal
3	5723.1991	67.64	16.66	118.19	50.55	150	267	Horizontal
4	5755.0000	94.59	16.78	0.00	-94.59	150	276	Horizontal



4.10.1.89 11AC40_159 ANT 1_Vertical

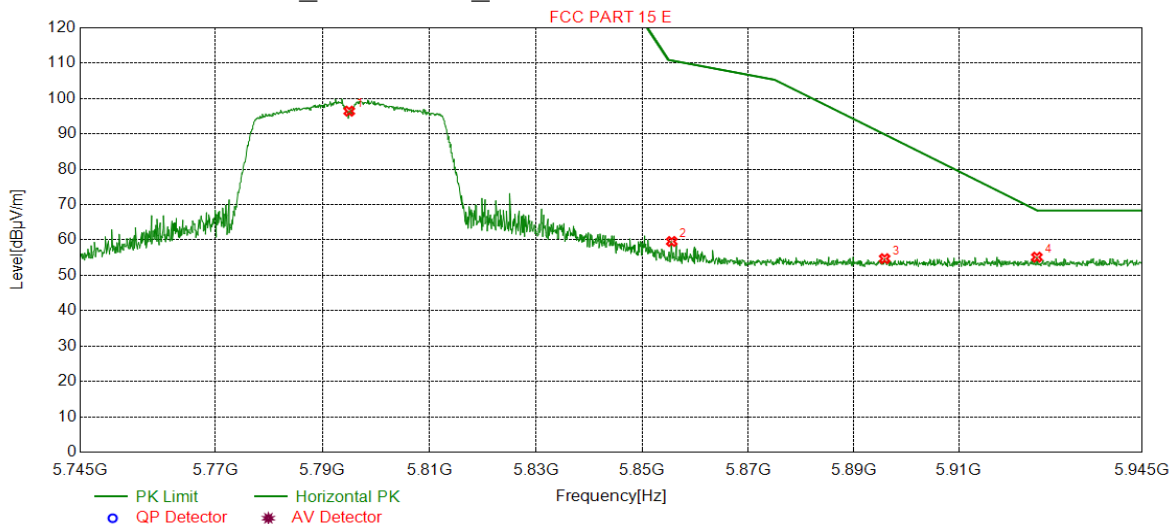


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5795.0000	85.70	16.92	0.00	-85.70	150	16	Vertical
2	5855.7554	54.05	17.05	110.69	56.64	150	61	Vertical
3	5874.9650	54.92	17.09	105.31	50.39	150	84	Vertical
4	5942.8989	54.81	17.31	68.30	13.49	150	16	Vertical



4.10.1.90 11AC40_159 ANT 1_Horizontal

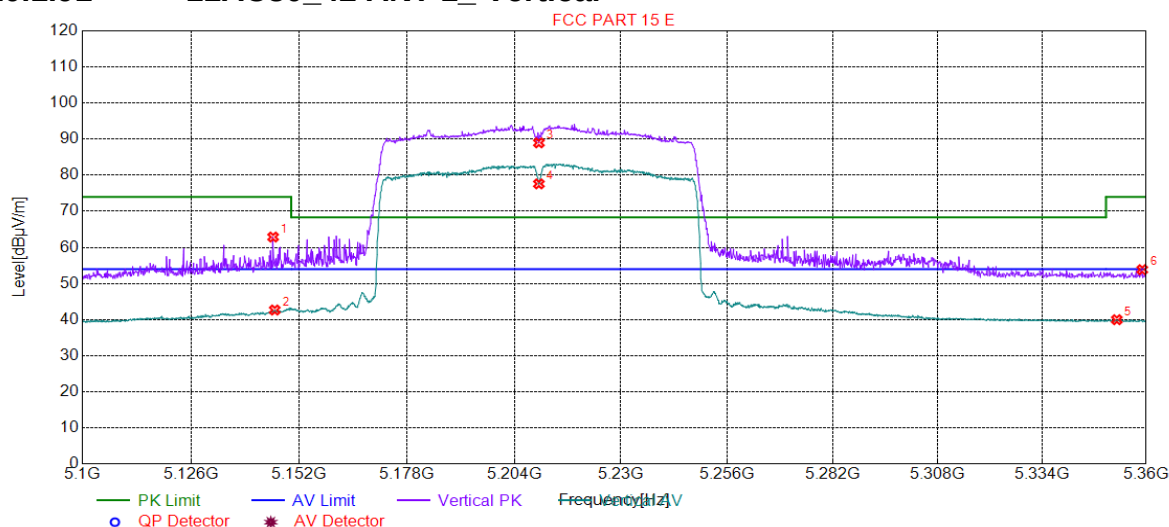


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5795.0000	96.43	16.92	0.00	-96.43	150	262	Horizontal
2	5855.5553	59.58	17.05	110.74	51.16	150	271	Horizontal
3	5895.8754	54.72	17.13	89.85	35.13	150	344	Horizontal
4	5924.8899	55.15	17.24	68.38	13.23	150	230	Horizontal



4.10.1.91 11AC80_42 ANT 1_ Vertical

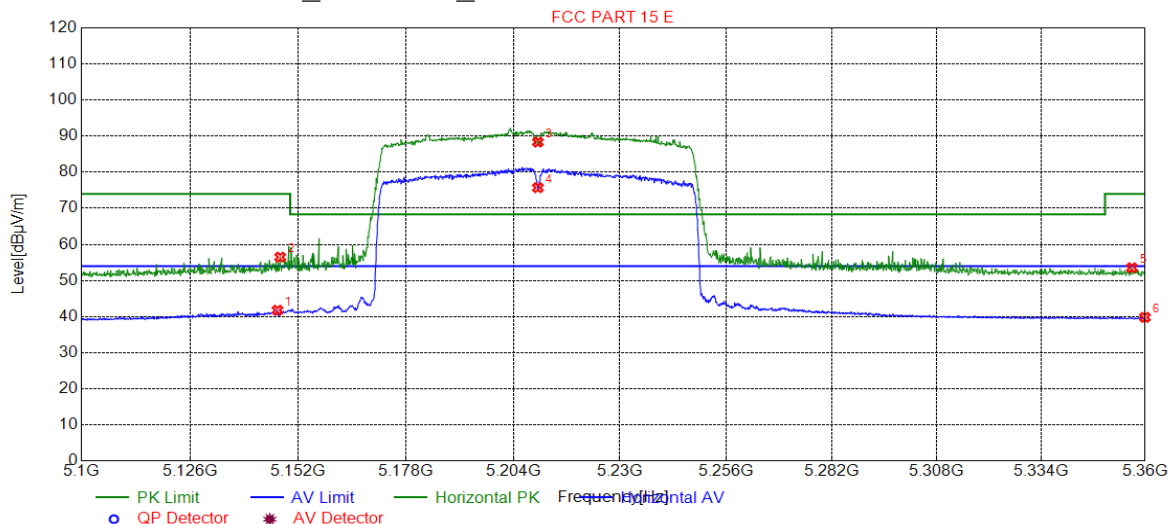


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5145.6528	62.87	15.30	74.00	11.13	150	117	Vertical
2	5146.0430	42.65	15.30	54.00	11.35	150	123	Vertical
3	5210.0000	88.96	15.39	68.30	-20.66	150	82	Vertical
4	5210.0000	77.59	15.39	54.00	-23.59	150	130	Vertical
5	5352.7164	39.97	16.04	54.00	14.03	150	137	Vertical
6	5359.0895	53.83	16.05	74.00	20.17	150	16	Vertical



4.10.1.92 11AC80_42 ANT 1_ Horizontal

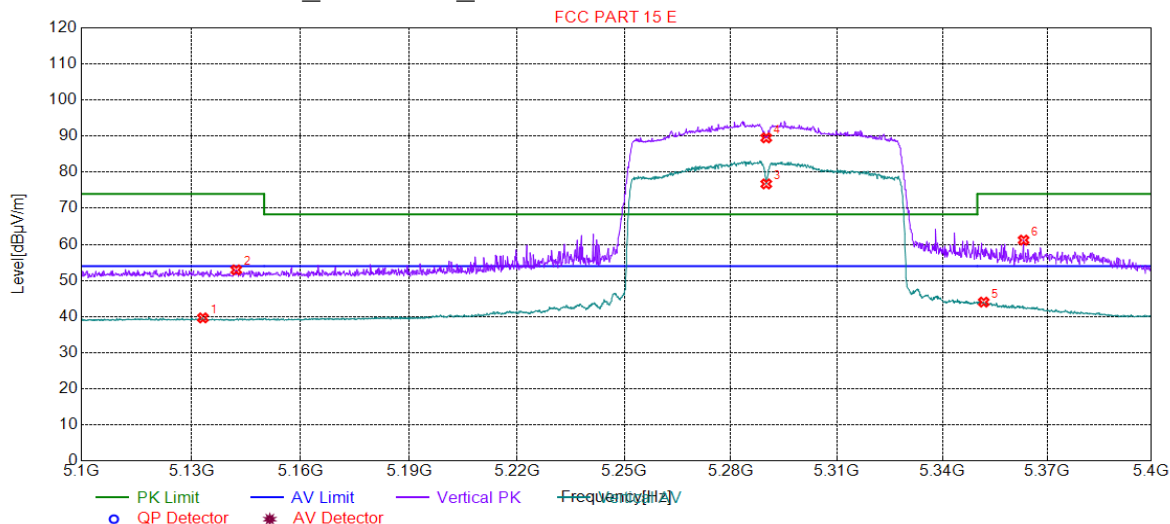


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5146.9535	41.76	15.30	54.00	12.24	150	311	Horizontal
2	5147.6038	56.47	15.30	74.00	17.53	150	311	Horizontal
3	5210.0000	88.34	15.39	68.30	-20.04	150	311	Horizontal
4	5210.0000	75.72	15.39	54.00	-21.72	150	269	Horizontal
5	5356.7484	53.53	16.05	74.00	20.47	150	276	Horizontal
6	5360.0000	39.78	16.06	54.00	14.22	150	304	Horizontal



4.10.1.93 11AC80_58 ANT 1_ Vertical

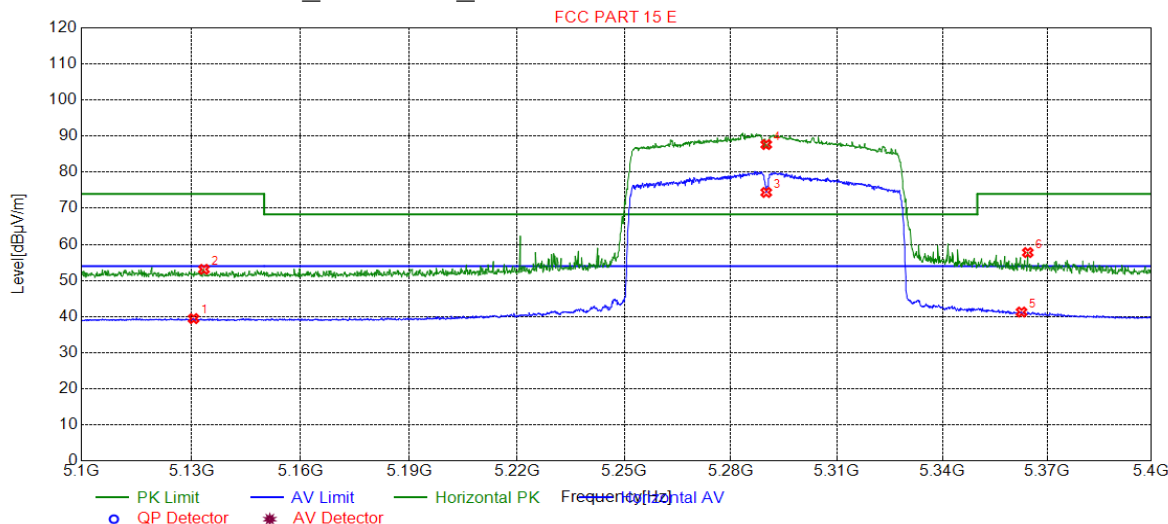


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5133.1666	39.64	15.29	54.00	14.36	150	29	Vertical
2	5142.3212	52.95	15.30	74.00	21.05	150	156	Vertical
3	5290.0000	76.74	15.87	54.00	-22.74	150	136	Vertical
4	5290.0000	89.51	15.87	68.30	-21.21	150	122	Vertical
5	5351.8259	44.01	16.04	54.00	9.99	150	136	Vertical
6	5363.2316	61.18	16.06	74.00	12.82	150	63	Vertical



4.10.1.94 11AC80_58 ANT 1_ Horizontal

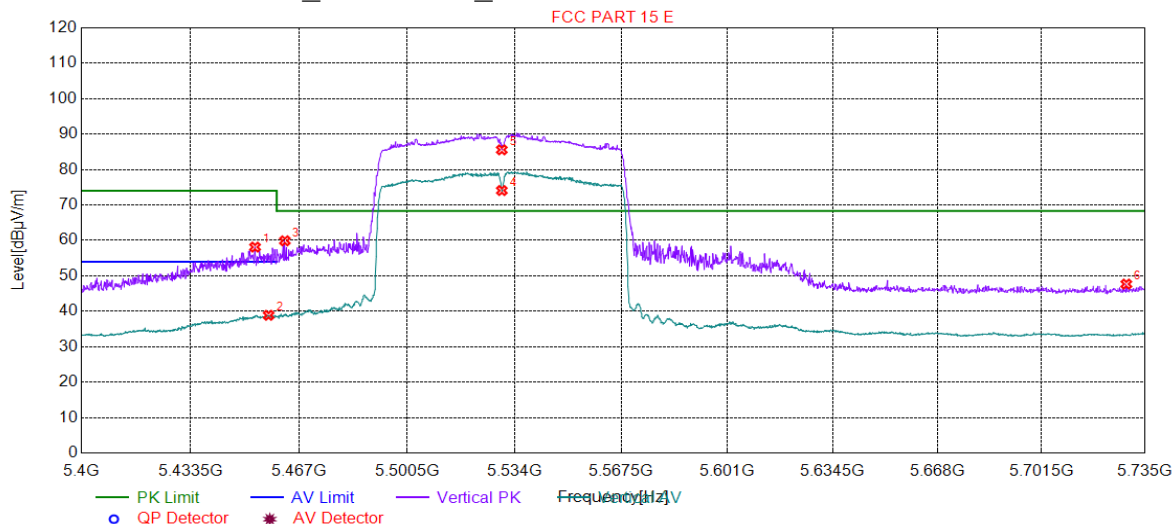


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5130.6153	39.44	15.29	54.00	14.56	150	174	Horizontal
2	5133.4667	53.10	15.29	74.00	20.90	150	57	Horizontal
3	5290.0000	74.40	15.87	54.00	-20.40	150	270	Horizontal
4	5290.0000	87.66	15.87	68.30	-19.36	150	263	Horizontal
5	5362.6313	41.25	16.06	54.00	12.75	150	263	Horizontal
6	5364.4322	57.73	16.07	74.00	16.27	150	92	Horizontal



4.10.1.95 11AC80_106 ANT 1_Vertical

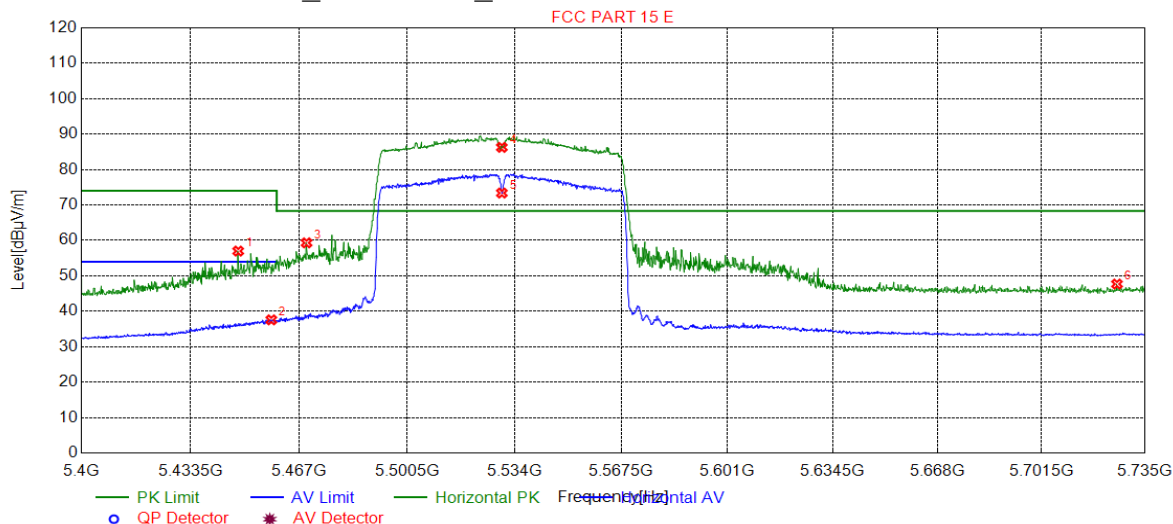


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5453.2916	58.12	16.13	74.00	15.88	150	152	Vertical
2	5457.4812	38.87	16.13	54.00	15.13	150	110	Vertical
3	5462.5088	59.89	16.13	68.30	8.41	150	110	Vertical
4	5530.0000	74.08	16.26	0.00	-74.08	150	82	Vertical
5	5530.0000	85.57	16.26	68.30	-17.27	150	124	Vertical
6	5728.9670	47.68	16.68	68.30	20.62	150	356	Vertical



4.10.1.96 11AC80_106 ANT 1_ Horizontal

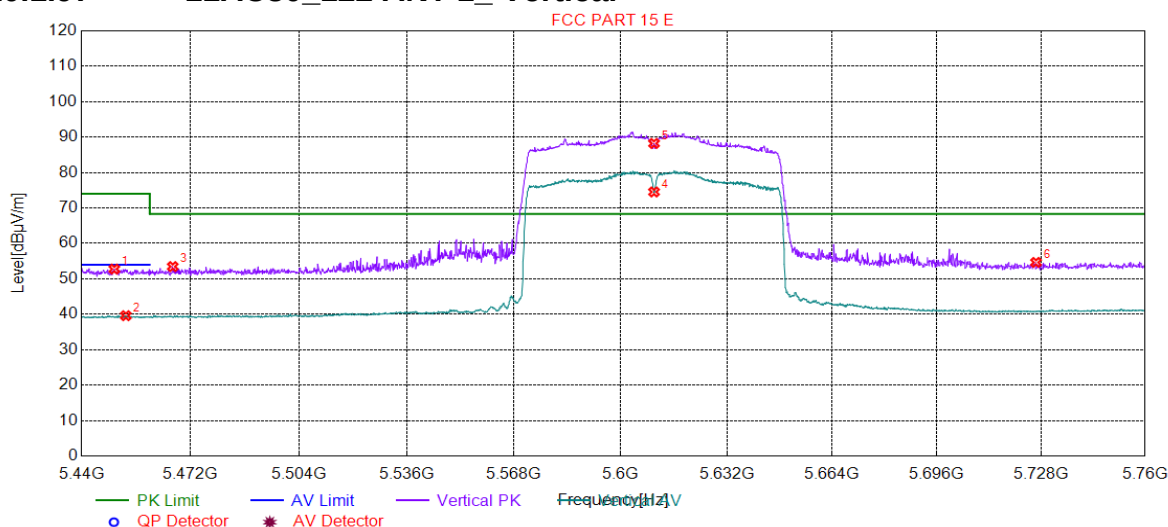


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5448.0965	56.99	16.13	74.00	17.01	150	106	Horizontal
2	5458.3192	37.58	16.13	54.00	16.42	150	113	Horizontal
3	5469.2121	59.32	16.13	68.30	8.98	150	113	Horizontal
4	5530.0000	86.26	16.26	68.30	-17.96	150	120	Horizontal
5	5530.0000	73.37	16.26	0.00	-73.37	150	113	Horizontal
6	5725.9505	47.69	16.67	68.30	20.61	150	72	Horizontal



4.10.1.97 11AC80_122 ANT 1_Vertical

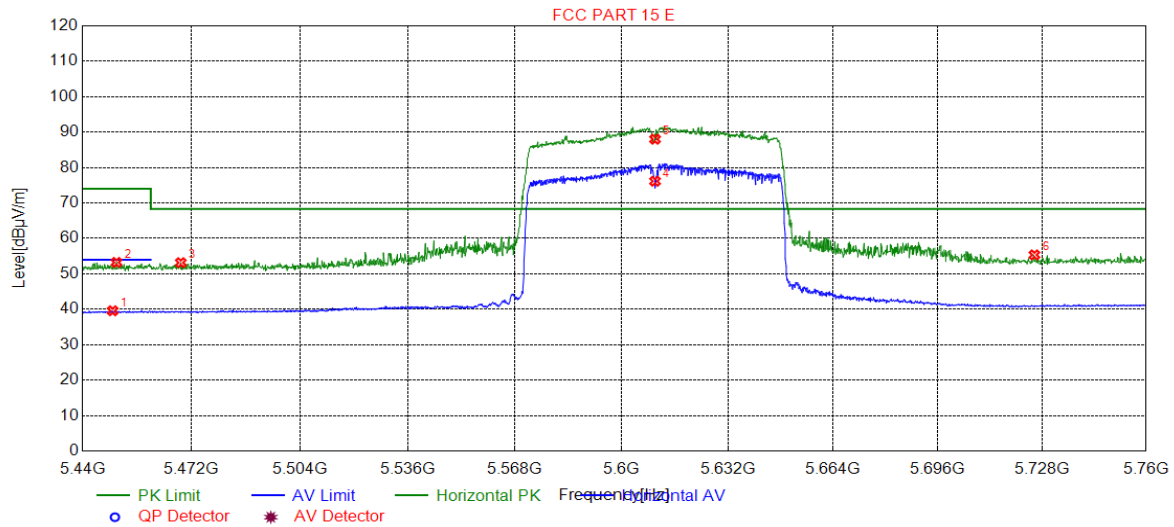


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5449.6048	52.76	16.13	74.00	21.24	150	144	Vertical
2	5452.9665	39.61	16.13	54.00	14.39	150	42	Vertical
3	5466.7334	53.47	16.13	68.30	14.83	150	244	Vertical
4	5610.0000	74.53	16.60	0.00	-74.53	150	90	Vertical
5	5610.0000	88.22	16.60	68.30	-19.92	150	96	Vertical
6	5726.3832	54.65	16.67	68.30	13.65	150	198	Vertical



4.10.1.98 11AC80_122 ANT 1_Horizontal

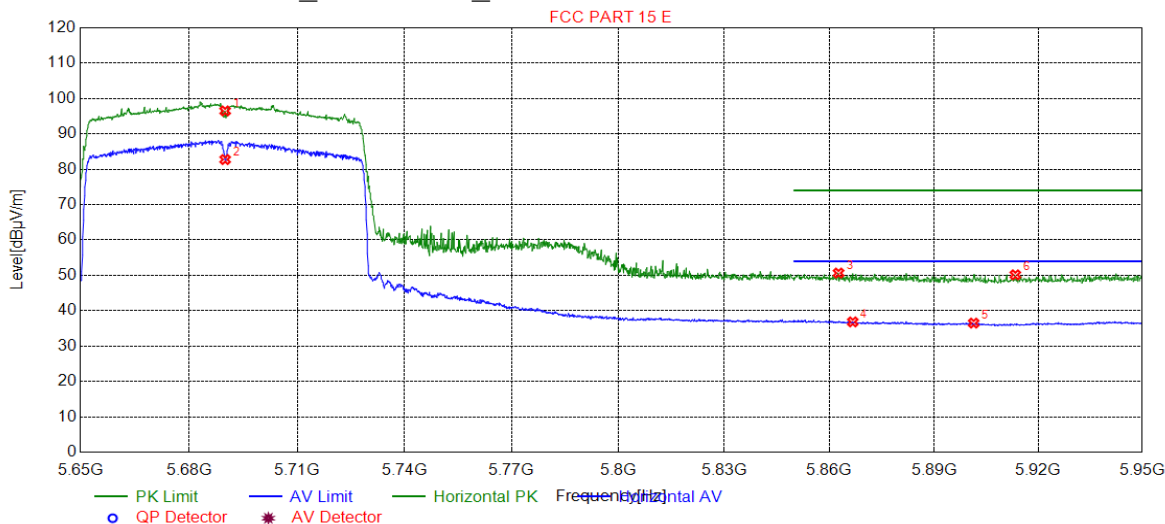


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5448.8044	39.58	16.13	54.00	14.42	150	100	Horizontal
2	5449.9250	53.23	16.13	74.00	20.77	150	31	Horizontal
3	5468.8144	53.15	16.13	68.30	15.15	150	24	Horizontal
4	5610.0000	76.15	16.60	0.00	-76.15	150	269	Horizontal
5	5610.0000	88.01	16.60	68.30	-19.71	150	269	Horizontal
6	5725.5828	55.35	16.67	68.30	12.95	150	317	Horizontal



4.10.1.99 11AC80_138 ANT 1_Horizontal

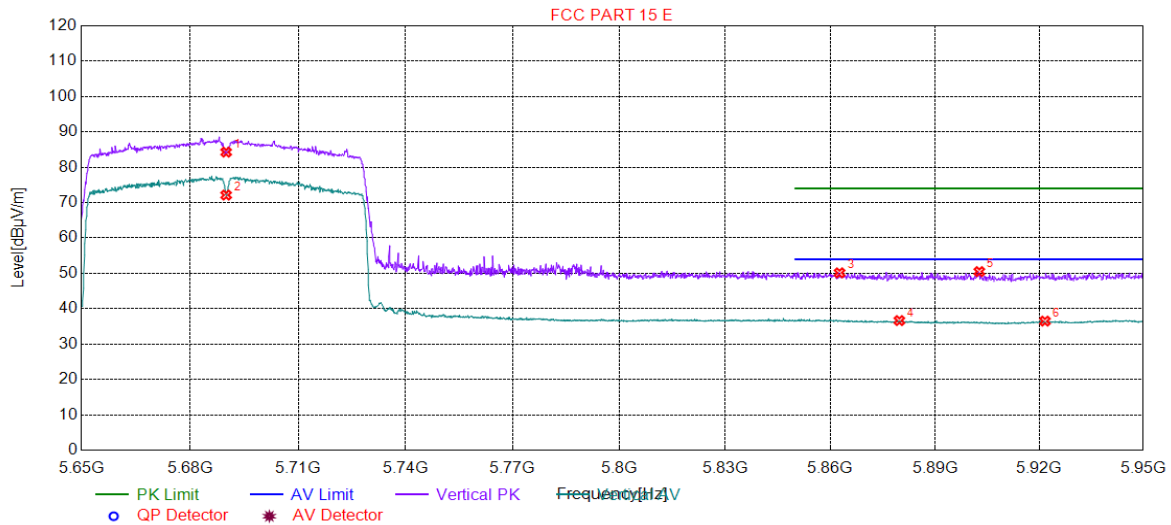


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5690.00	96.49	19.66	0.00	-96.49	150	21	Horizontal
2	5690.00	82.75	19.66	0.00	-82.75	150	21	Horizontal
3	5862.65	50.65	20.33	74.00	23.35	150	8	Horizontal
4	5866.70	36.84	20.31	54.00	17.16	150	21	Horizontal
5	5901.37	36.50	20.19	54.00	17.50	150	35	Horizontal
6	5913.38	50.15	20.30	74.00	23.85	150	222	Horizontal



4.10.1.100 11AC80_138 ANT 1_Vertical

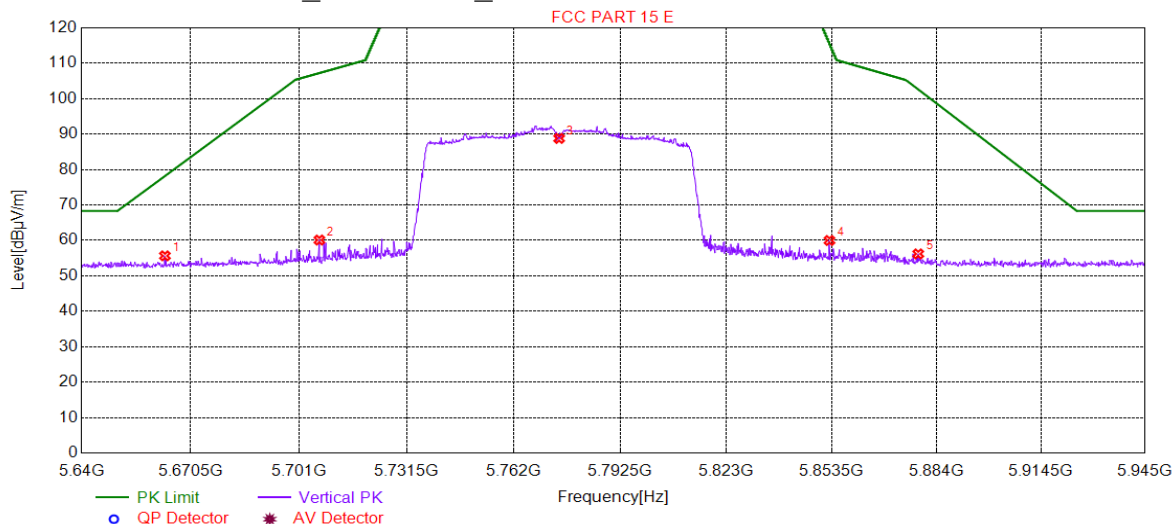


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5690.00	84.28	19.66	0.00	-84.28	150	192	Vertical
2	5690.00	72.13	19.66	0.00	-72.13	150	192	Vertical
3	5862.65	50.15	20.33	74.00	23.85	150	16	Vertical
4	5879.76	36.65	20.26	54.00	17.35	150	50	Vertical
5	5902.72	50.50	20.20	74.00	23.50	150	260	Vertical
6	5921.63	36.50	20.37	54.00	17.50	150	267	Vertical



4.10.1.101 11AC80_155 ANT 1_Vertical

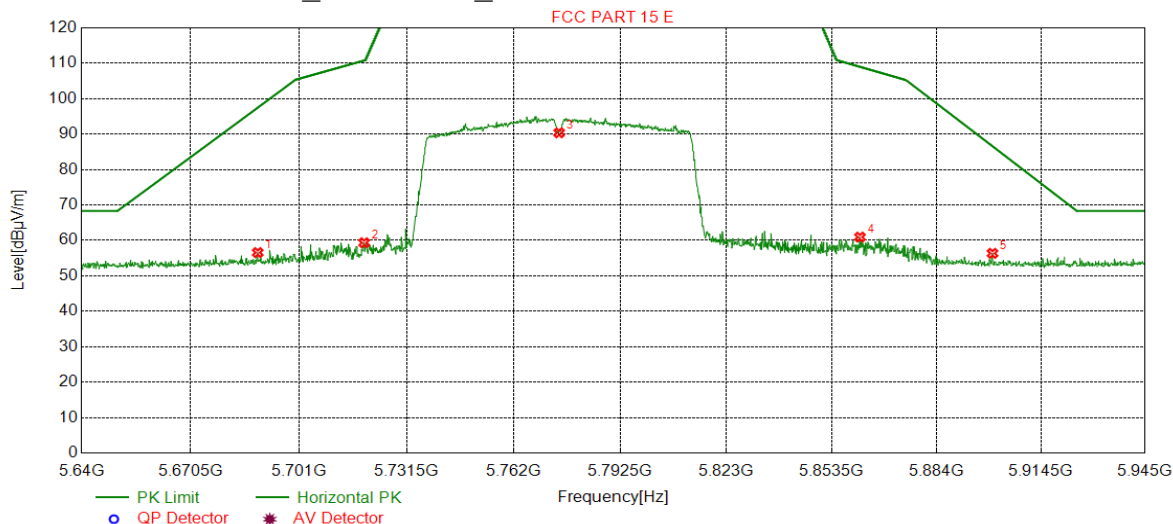


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5663.3442	55.65	16.59	78.17	22.52	150	98	Vertical
2	5706.8284	60.11	16.60	107.21	47.10	150	116	Vertical
3	5775.0000	88.79	16.85	122.30	33.51	150	148	Vertical
4	5852.8439	59.99	17.05	115.82	55.83	150	162	Vertical
5	5878.6293	56.20	17.10	102.61	46.41	150	130	Vertical



4.10.1.102 11AC80_155 ANT 1_ Horizontal



Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5689.4347	56.57	16.58	97.48	40.91	150	308	Horizontal
2	5719.4922	59.35	16.65	110.76	51.41	150	312	Horizontal
3	5775.0000	90.37	16.85	122.30	31.93	150	308	Horizontal
4	5861.6933	60.94	17.06	109.03	48.09	150	267	Horizontal
5	5900.2951	56.36	17.14	86.58	30.22	150	267	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.



4.11 Frequencies Stability

4.11.1 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

4.11.2 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



4.12 Dynamic Frequency Selection

4.12.1 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
<i>Non-Occupancy Period</i>	Yes	Not required	Yes
<i>DFS Detection Threshold</i>	Yes	Not required	Yes
<i>Channel Availability Check Time</i>	Yes	Not required	Not required
<i>U-NII Detection Bandwidth</i>	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
<i>DFS Detection Threshold</i>	Yes	Not required
<i>Channel Closing Transmission Time</i>	Yes	Yes
<i>Channel Move Time</i>	Yes	Yes
<i>U-NII Detection Bandwidth</i>	Yes	Not required
Additional requirements for devices with multiple bandwidth modes	Master Device or Client with Radar Detection	Client Without Radar Detection
<i>U-NII Detection Bandwidth and Statistical Performance Check</i>	All BW modes must be tested	Not required
<i>Channel Move Time and Channel Closing Transmission Time</i>	Test using widest BW mode available	Test using the widest BW mode available for the link
<i>All other tests</i>	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.		



4.12.2 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 $\geq$ 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.	

4.12.3 Response Requirements

Table 4: DFS Response Requirement Values

Parameter	Value
<i>Non-occupancy period</i>	Minimum 30 minutes
<i>Channel Availability Check Time</i>	60 seconds
<i>Channel Move Time</i>	10 seconds See Note 1.
<i>Channel Closing Transmission Time</i>	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
<i>U-NII Detection Bandwidth</i>	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.

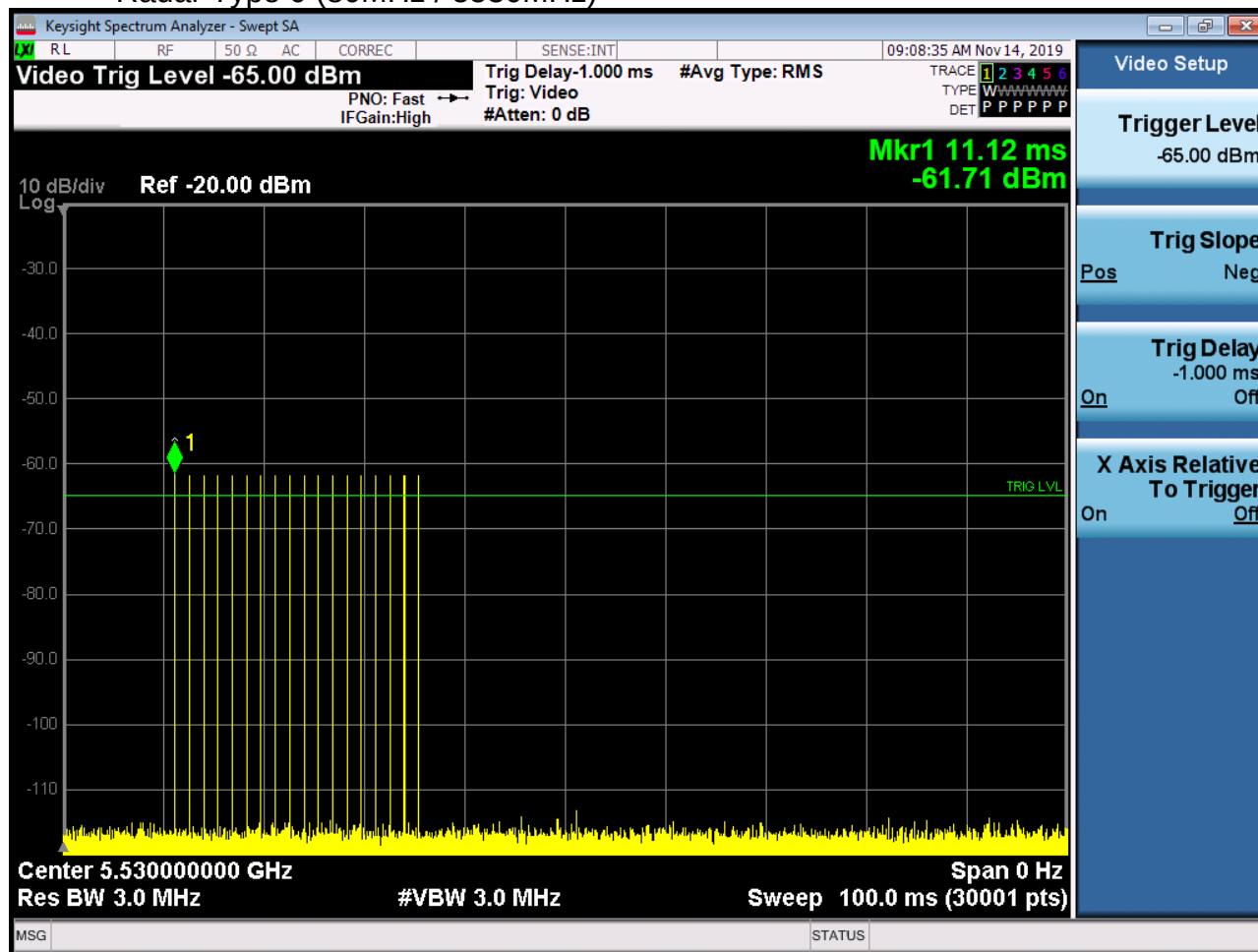
Note 2: The *Channel Closing Transmission Time* is comprised of 200 milliseconds starting at the beginning of the *Channel Move Time* plus any additional intermittent control signals required to facilitate a *Channel* move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. 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.

4.12.4 Test plots

4.12.4.1 Radar Waveform Calibration Result

Radar Type 0 (80MHz / 5530MHz)

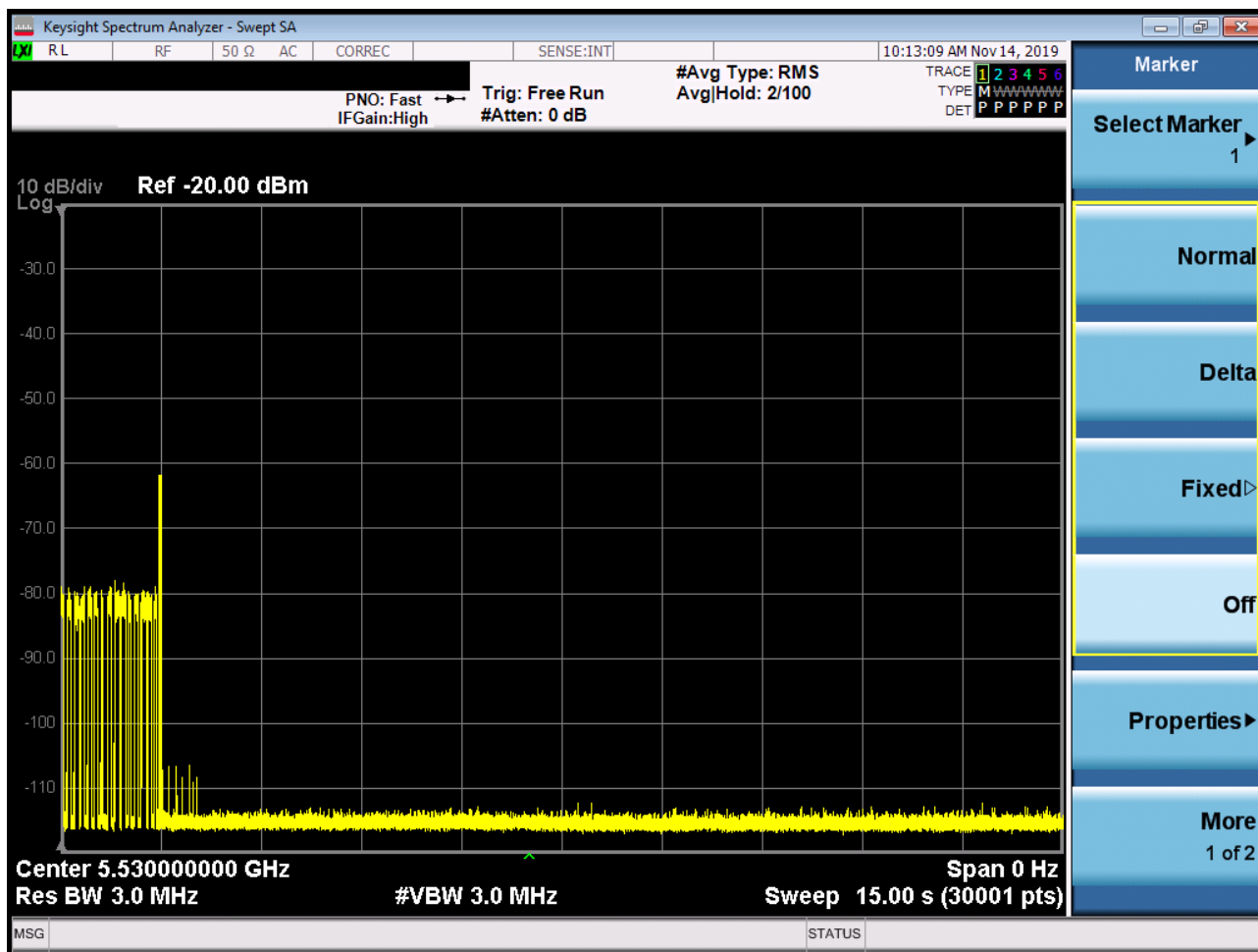


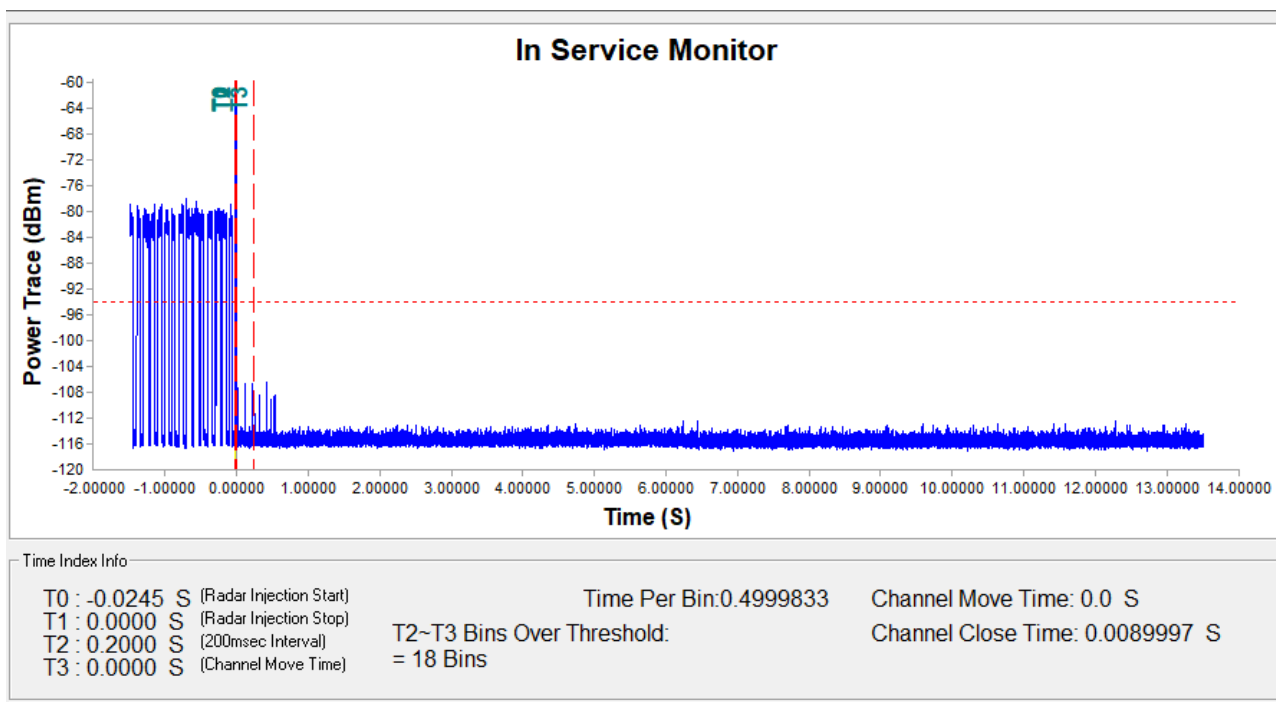
4.12.5 Test Data:

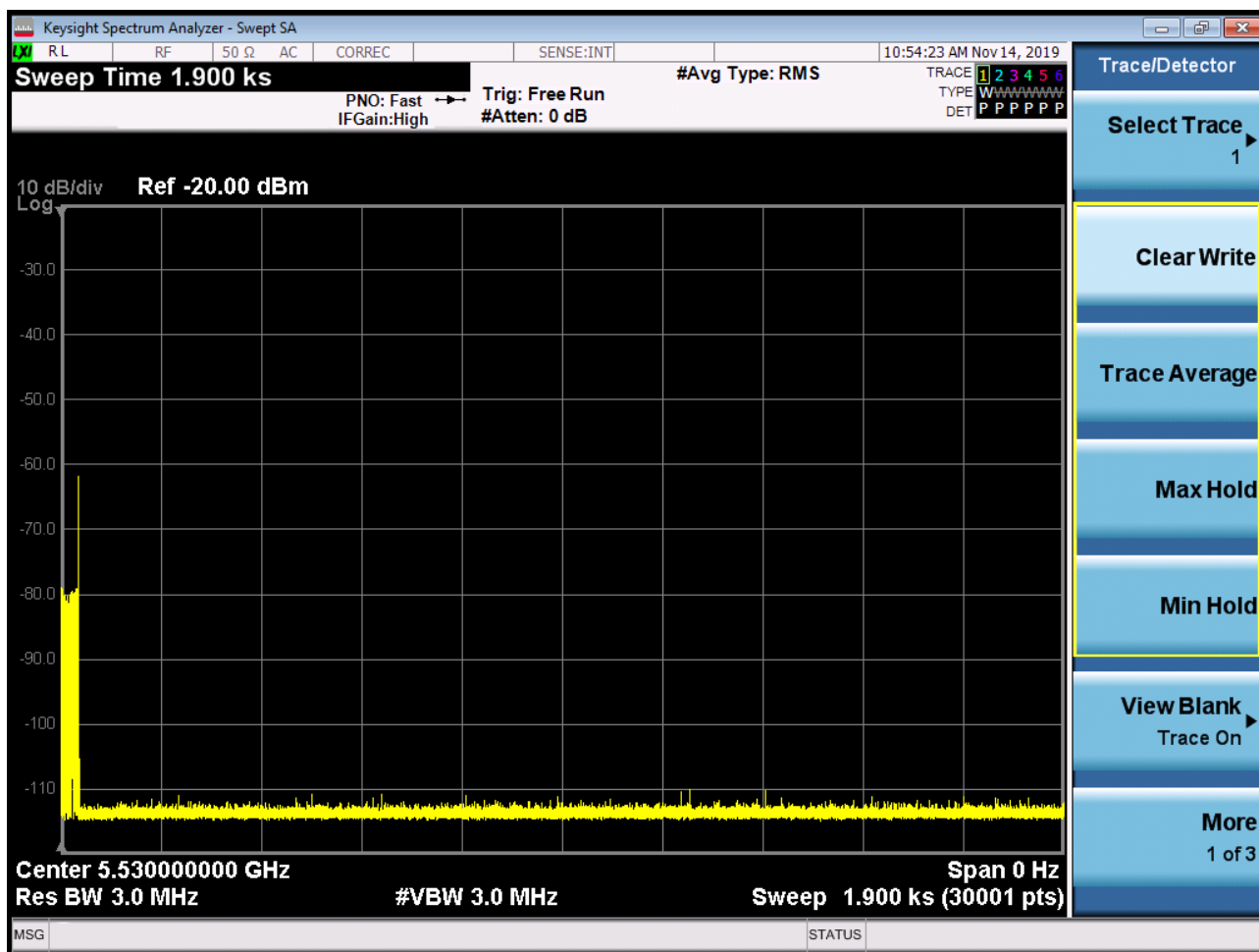
BW/Channel	Test Item	Test Result	Limit	Results
80MHz / 5530MHz	Channel Move Time	0s	<10s	Pass
	Channel Closing Transmission Time	9ms	<60ms	Pass

4.12.5.1 Test plots

4.12.5.1.1 Test Bandwidth/Channel= 80MHz / 5530MHz







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

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





6 Equipment List

Conducted Emission					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date	Cal.Duedate
				(yyyy-mm-dd)	(yyyy-mm-dd)
Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2017/5/10	2020/5/9
LISN	Rohde & Schwarz	ENV216	SEM007-01	2019/7/14	2020/7/14
LISN	ETS-LINDGREN	Feb-16	SEM007-02	2019/4/1	2020/3/31
Measurement Software	AUDIX	e3 V5.4.1221d	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM024-01	2019/6/12	2020/6/11
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	Cal.Duedate
				(yyyy-mm-dd)	(yyyy-mm-dd)
DC Power Supply	Agilent Technologies Inc	66311B	W009-09	2019/7/15	2020/7/15
Signal Analyzer	Rohde & Schwarz	FSV	W025-05	2020/1/3	2021/1/2
Coaxial Cable	SGS	N/A	SEM031-01	2019/6/12	2020/6/11
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2019/7/14	2020/7/14
Temperature Chamber	GIANT FORCE	ICT-150-40-CP-AR	W027-03	2019/10/27	2020/10/27
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2019/7/14	2020/7/14
RE in Chamber					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date	Cal.Due date
				(yyyy-mm-dd)	(yyyy-mm-dd)
3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2018/3/13	2021/3/12
Measurement Software	AUDIX	e3V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2019/6/12	2020/6/11
EXA Signal Analyzer (10Hz-26.5GHz)	Agilent Technologies Inc	N9010A	SEM004-09	2019/3/12	2020/3/11
BiConiLog Antenna (26-3000MHz)	ETS-Lindgren	3142C	SEM003-01	2017/6/27	2020/6/26
Horn Antenna (0.8-18GHz)	Rohde & Schwarz	HF907	SEM003-07	2018/4/13	2021/4/12
Pre-amplifier(0.1-1.3GHz)	HP	8447D	SEM005-02	2019/7/14	2020/7/14
Low Noise Amplifier(100MHz-18GHz)	Black Diamond Series	BDLNA-0118-352810	SEM005-05	2019/9/3	2020/9/2
Horn Antenna (15-40GHz)	Schwarzbeck	BBHA 9170	SEM003-15	2017/10/17	2020/10/16
Pre-amplifier(18-26GHz)	Rohde & Schwarz	CH14-H052	SEM005-17	2019/3/2	2020/3/1
Band filter	N/A	N/A	SEM023-01	N/A	N/A

7 Photographs - EUT Test Setup Details

Please refer to setup photo.

The End



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 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com