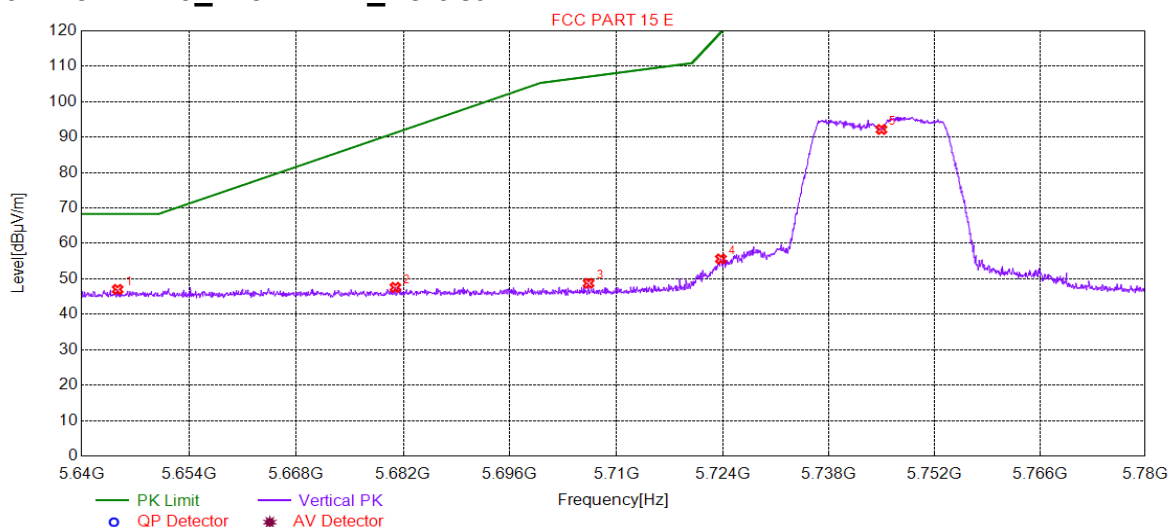




4.10.1.29 11N20_149 ANT 1_Vertical



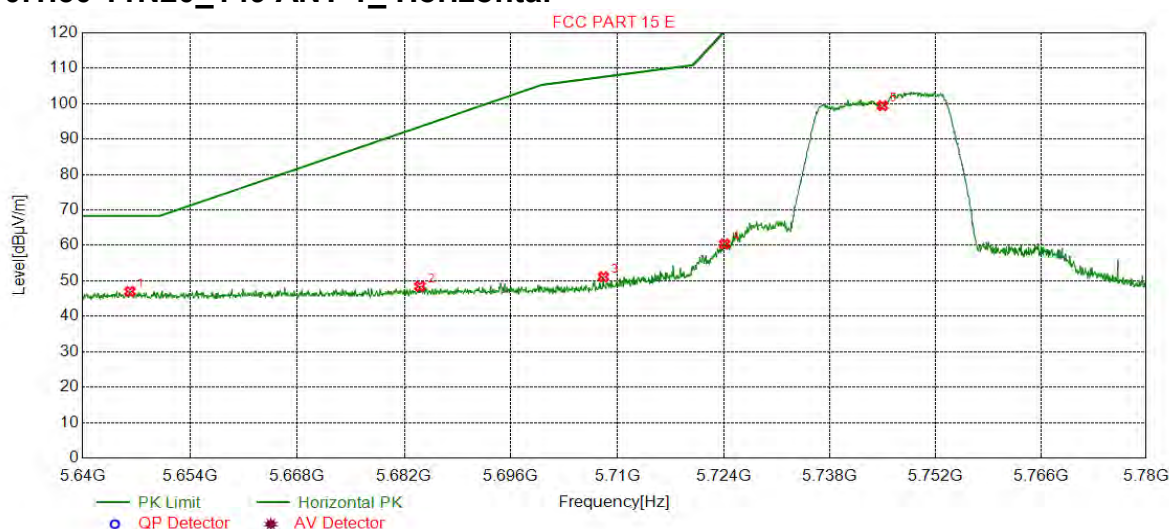
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5644.6923	47.03	16.54	68.30	21.27	150	95	Vertical
2	5680.9705	47.61	16.70	91.22	43.61	150	266	Vertical
3	5706.3232	48.75	16.84	107.07	58.32	150	360	Vertical
4	5723.7619	55.62	16.95	119.48	63.86	150	34	Vertical
5	5745.0000	92.16	17.09	0.00	-92.16	150	25	Vertical





4.10.1.30 11N20_149 ANT 1_ Horizontal

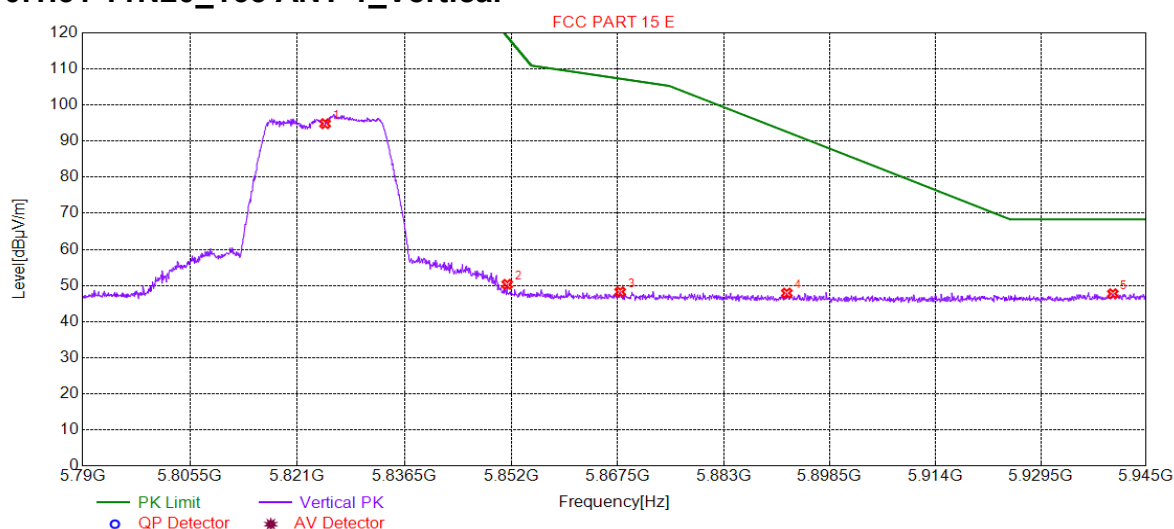


Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5646.1631	47.02	16.53	68.30	21.28	150	234	Horizontal
2	5684.0520	48.43	16.71	93.50	45.07	150	225	Horizontal
3	5708.1441	51.13	16.85	107.58	56.45	150	234	Horizontal
4	5724.1121	60.38	16.95	120.28	59.90	150	234	Horizontal
5	5745.0000	99.42	17.09	0.00	-99.42	150	239	Horizontal





4.10.1.31 11N20_165 ANT 1_Vertical

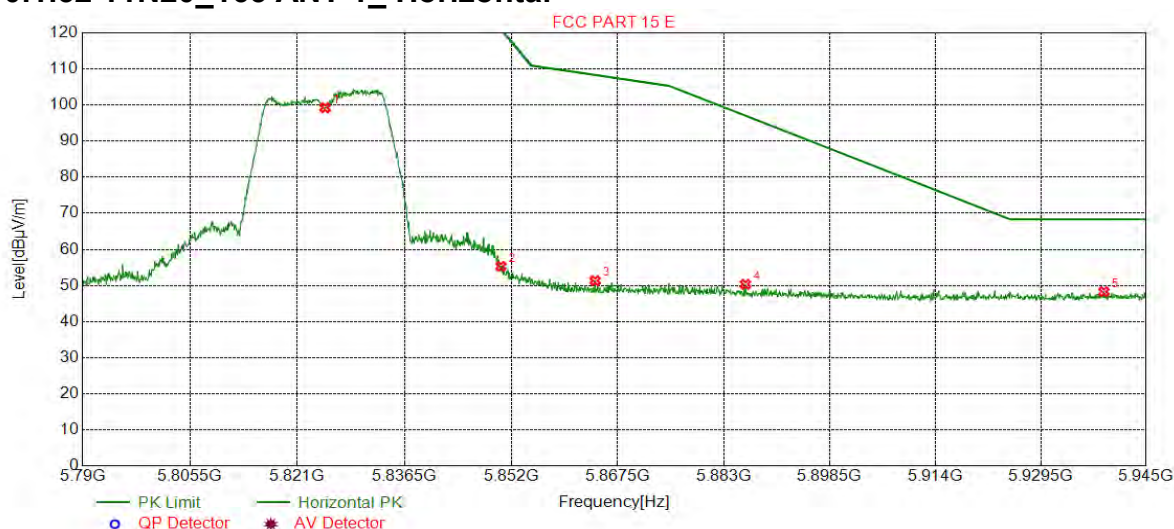


Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5825.0000	94.83	17.23	0.00	-94.83	150	38	Vertical
2	5851.4107	50.33	17.26	119.08	68.75	150	205	Vertical
3	5867.8489	48.24	17.21	107.30	59.06	150	16	Vertical
4	5892.1961	47.90	17.13	92.57	44.67	150	107	Vertical
5	5940.1151	47.71	17.73	68.30	20.59	150	352	Vertical





4.10.1.32 11N20_165 ANT 1_ Horizontal

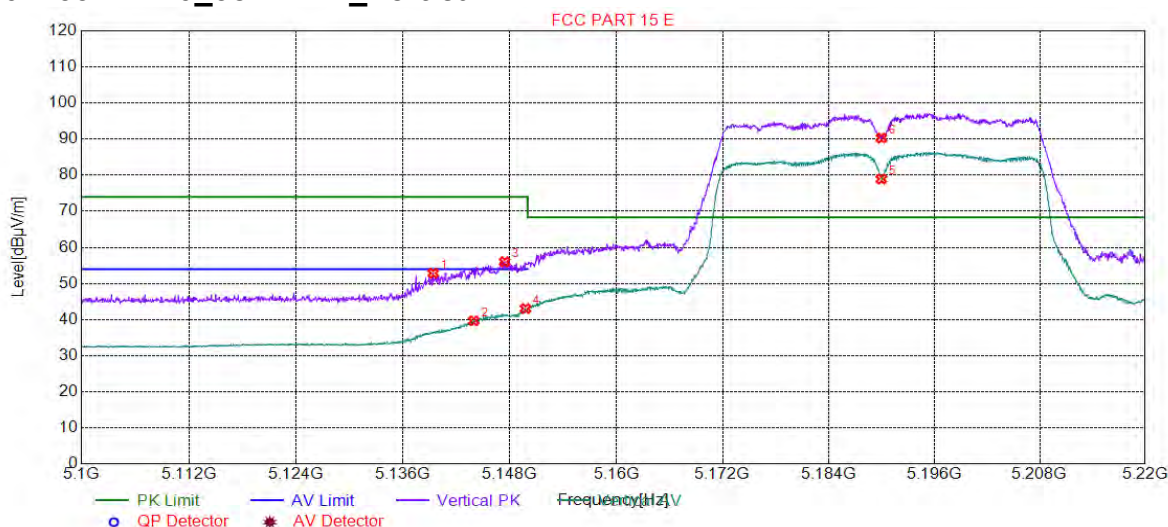


Suspected List								
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1	5825.0000	99.26	17.23	0.00	-99.26	150	286	Horizontal
2	5850.4802	55.31	17.26	121.21	65.90	150	230	Horizontal
3	5864.2046	51.32	17.22	108.32	57.00	150	230	Horizontal
4	5886.1481	50.31	17.15	97.05	46.74	150	226	Horizontal
5	5938.7969	48.28	17.71	68.30	20.02	150	226	Horizontal





4.10.1.33 11N40_38 ANT 1_Vertical



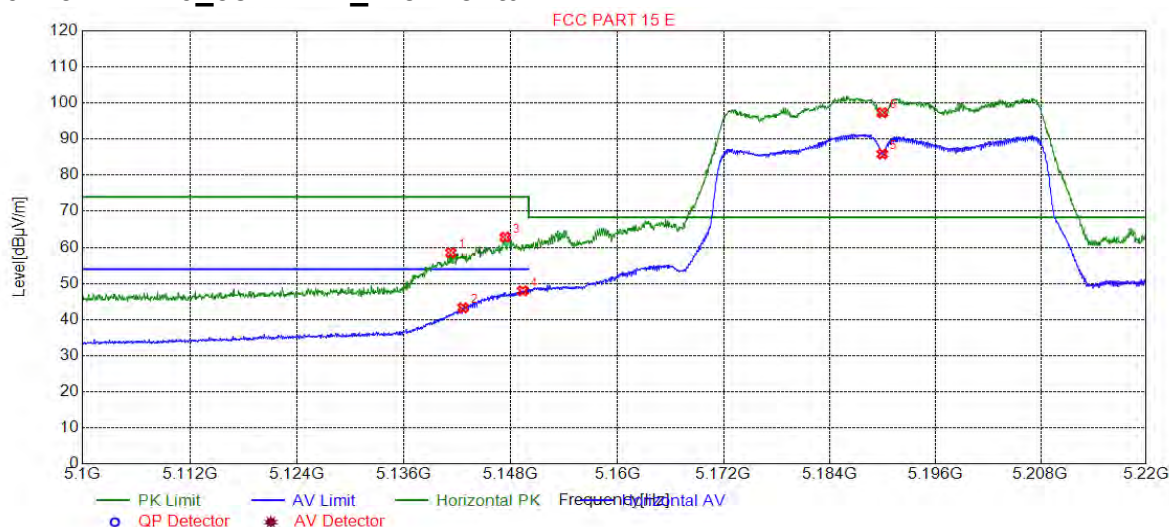
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5139.3797	52.87	15.43	74.00	21.13	100	68	Vertical
2	5143.9420	39.67	15.47	54.00	14.33	100	195	Vertical
3	5147.4237	56.01	15.50	74.00	17.99	100	206	Vertical
4	5149.7649	43.06	15.52	54.00	10.94	100	35	Vertical
5	5190.0000	78.93	15.58	0.00	-78.93	100	212	Vertical
6	5190.0000	90.30	15.58	68.30	-22.00	100	206	Vertical





4.10.1.34 11N40_38 ANT 1_ Horizontal



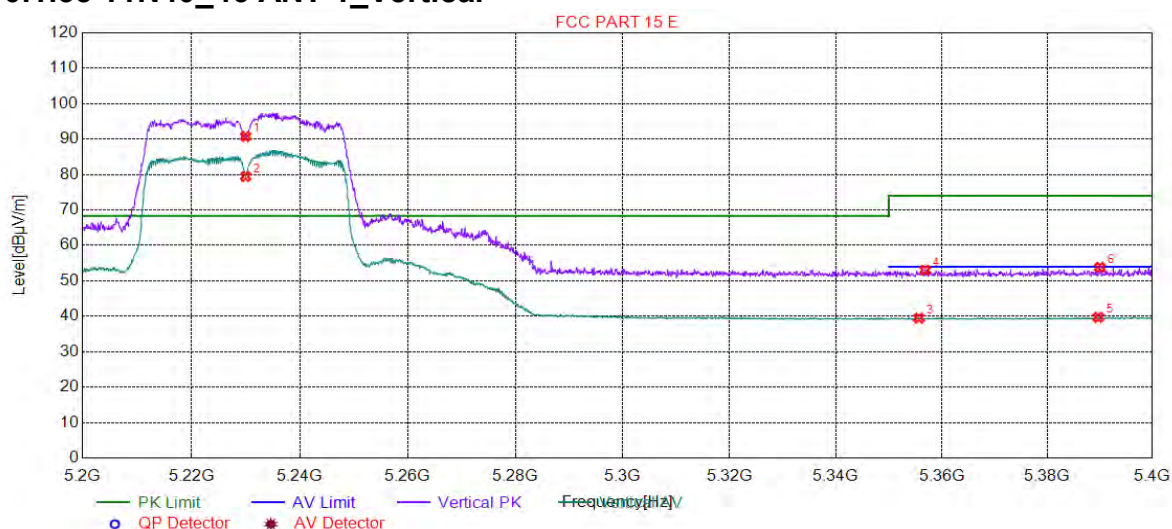
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5141.2406	58.50	15.44	74.00	15.50	100	73	Horizontal
2	5142.6213	43.26	15.46	54.00	10.74	100	235	Horizontal
3	5147.3637	62.80	15.50	74.00	11.20	100	240	Horizontal
4	5149.3447	47.96	15.51	54.00	6.04	100	68	Horizontal
5	5190.0000	85.87	15.58	0.00	-85.87	100	68	Horizontal
6	5190.0000	97.30	15.58	68.30	-29.00	100	68	Horizontal





4.10.1.35 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	90.76	15.51	68.30	-22.46	150	212	Vertical
2	5230.0000	79.45	15.51	0.00	-79.45	150	144	Vertical
3	5355.6778	39.50	15.98	54.00	14.50	150	62	Vertical
4	5356.8784	53.05	15.98	74.00	20.95	150	76	Vertical
5	5389.6948	39.71	16.19	54.00	14.29	150	62	Vertical
6	5389.9950	53.82	16.19	74.00	20.18	150	205	Vertical



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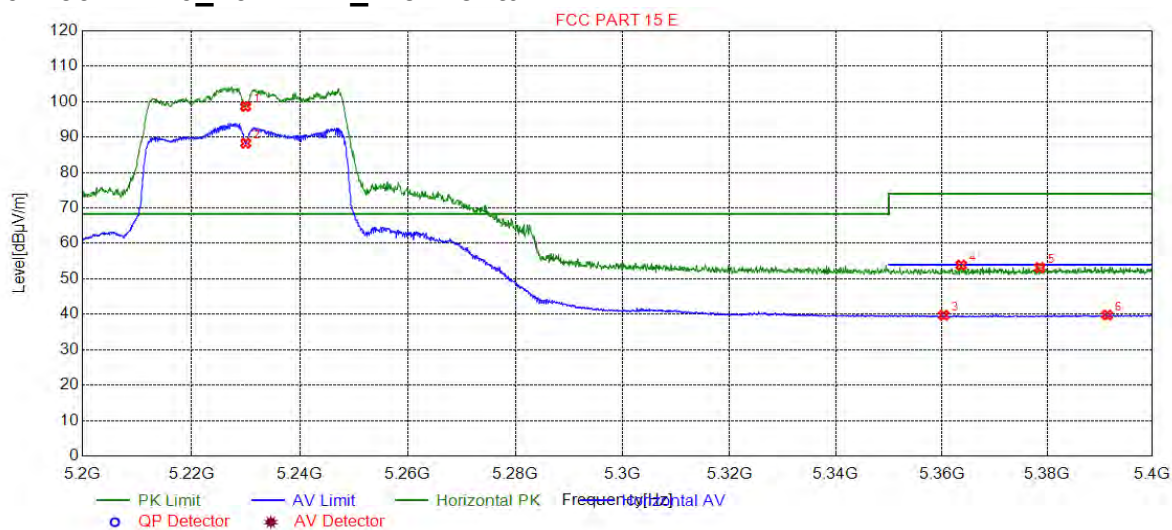
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4.10.1.36 11N40_46 ANT 1_ Horizontal



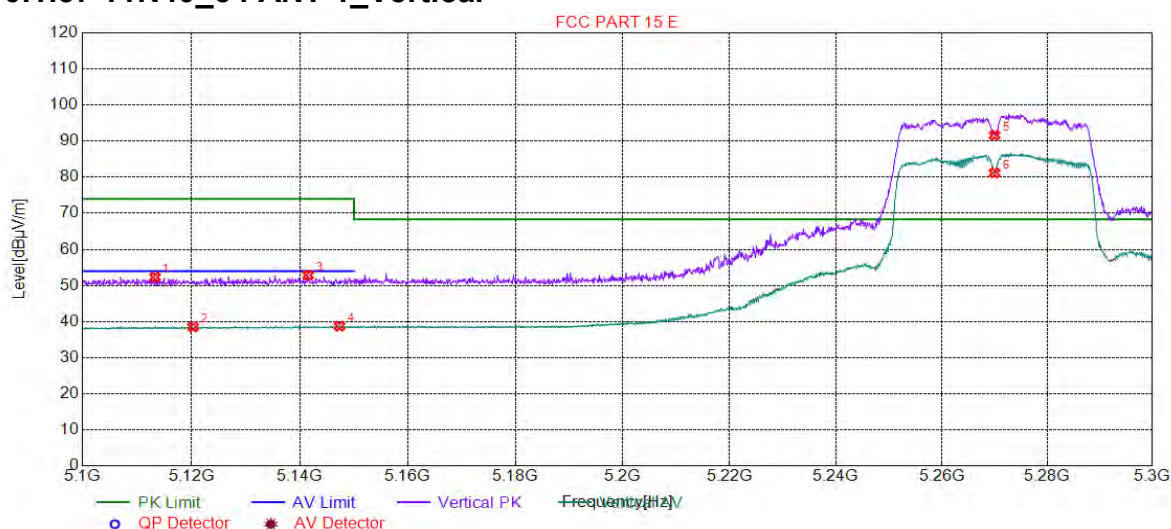
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5230.0000	98.64	15.51	68.30	-30.34	150	76	Horizontal
2	5230.0000	88.27	15.51	0.00	-88.27	150	241	Horizontal
3	5360.3802	39.72	16.00	54.00	14.28	150	234	Horizontal
4	5363.6818	53.88	16.02	74.00	20.12	150	15	Horizontal
5	5378.5893	53.19	16.12	74.00	20.81	150	221	Horizontal
6	5391.3957	39.79	16.20	54.00	14.21	150	228	Horizontal





4.10.1.37 11N40_54 ANT 1_Vertical

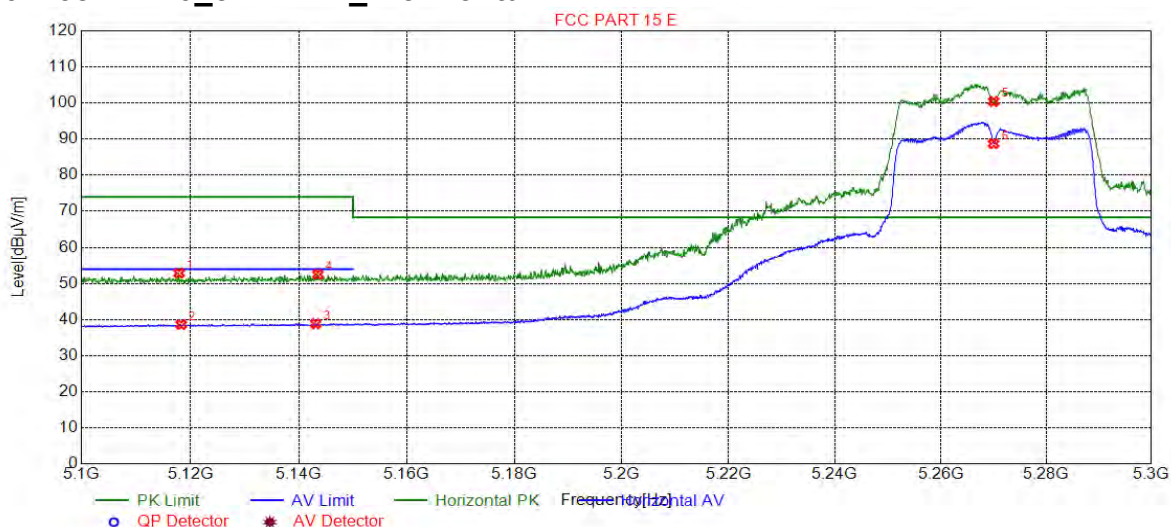


Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5113.3067	52.31	15.20	74.00	21.69	150	143	Vertical
2	5120.3102	38.53	15.26	54.00	15.47	150	307	Vertical
3	5141.5208	52.85	15.45	74.00	21.15	150	349	Vertical
4	5147.3237	38.75	15.50	54.00	15.25	150	150	Vertical
5	5270.0000	91.61	15.56	68.30	-23.31	150	210	Vertical
6	5270.0000	81.17	15.56	0.00	-81.17	150	210	Vertical





4.10.1.38 11N40_54 ANT 1_ Horizontal

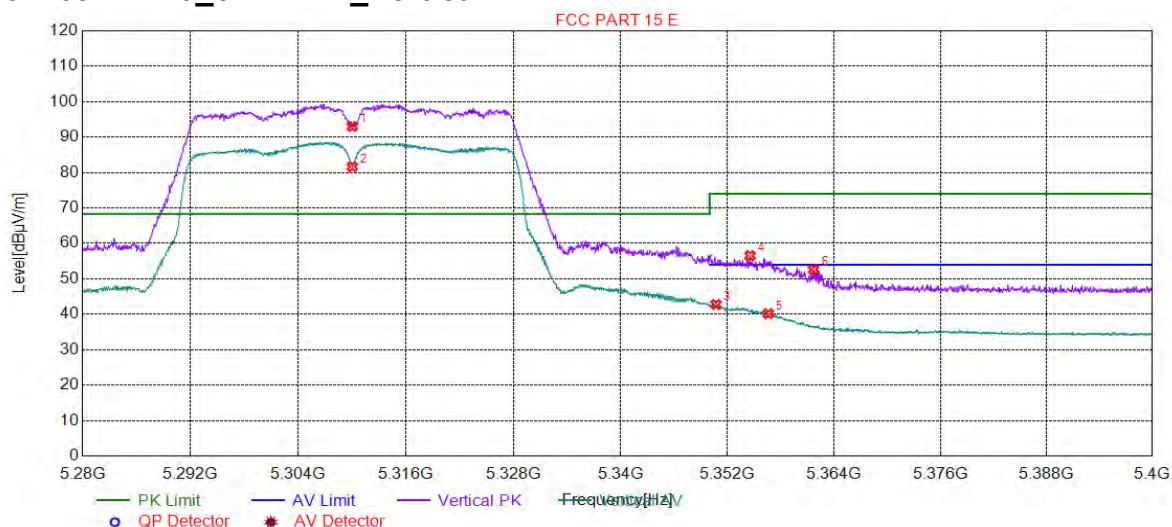


Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5117.9090	52.87	15.24	74.00	21.13	150	250	Horizontal
2	5118.3092	38.61	15.25	54.00	15.39	150	67	Horizontal
3	5143.1216	38.86	15.46	54.00	15.14	150	256	Horizontal
4	5143.5218	52.51	15.46	74.00	21.49	150	215	Horizontal
5	5270.0000	100.43	15.56	68.30	-32.13	150	228	Horizontal
6	5270.0000	88.74	15.56	0.00	-88.74	150	228	Horizontal





4.10.1.39 11N40_62 ANT 1_Vertical



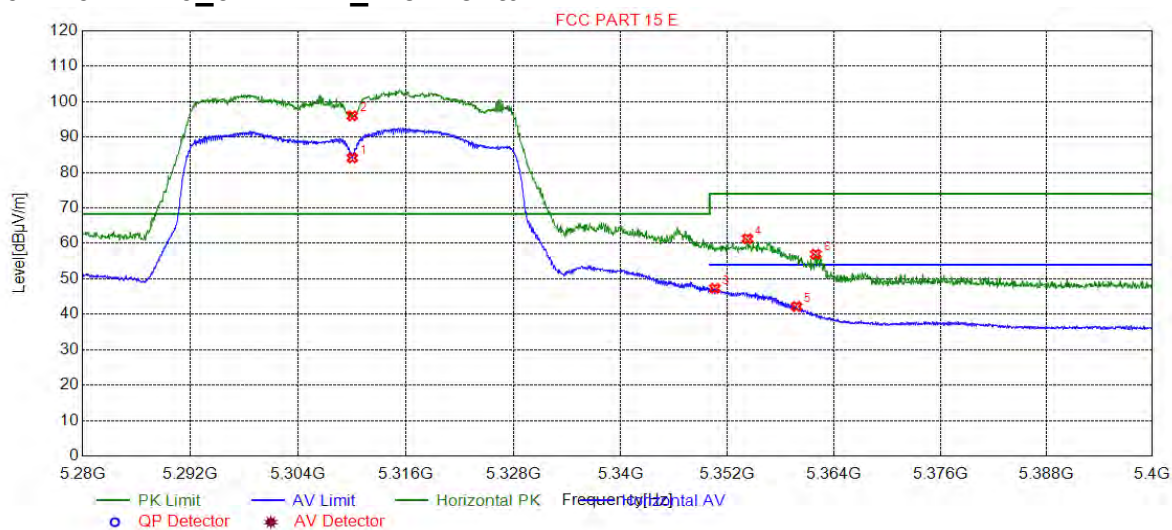
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5310.0000	93.03	15.75	68.30	-24.73	100	71	Vertical
2	5310.0000	81.67	15.75	0.00	-81.67	100	71	Vertical
3	5350.7154	42.76	15.94	54.00	11.24	100	71	Vertical
4	5354.5573	56.53	15.97	74.00	17.47	100	188	Vertical
5	5356.5983	40.19	15.98	54.00	13.81	100	188	Vertical
6	5361.7009	52.61	16.01	74.00	21.39	100	29	Vertical





4.10.1.40 11N40_62 ANT 1_ Horizontal



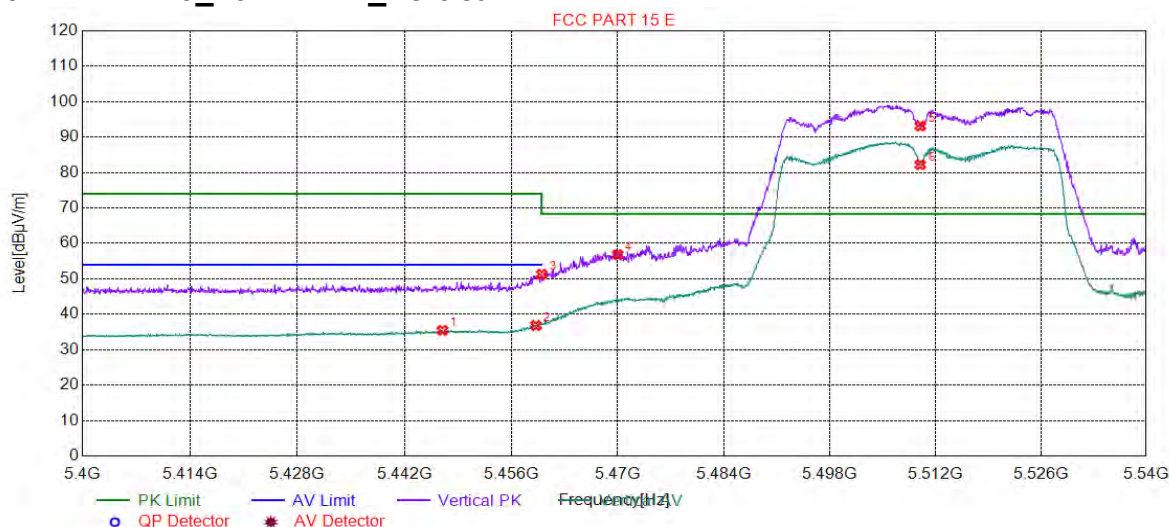
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5310.0000	84.12	15.75	0.00	-84.12	100	247	Horizontal
2	5310.0000	96.02	15.75	68.30	-27.72	100	247	Horizontal
3	5350.5953	47.31	15.94	54.00	6.69	100	62	Horizontal
4	5354.2571	61.33	15.97	74.00	12.67	100	226	Horizontal
5	5359.7799	42.19	16.00	54.00	11.81	100	233	Horizontal
6	5361.9410	56.96	16.01	74.00	17.04	100	68	Horizontal





4.10.1.41 11N40_102 ANT 1_Vertical



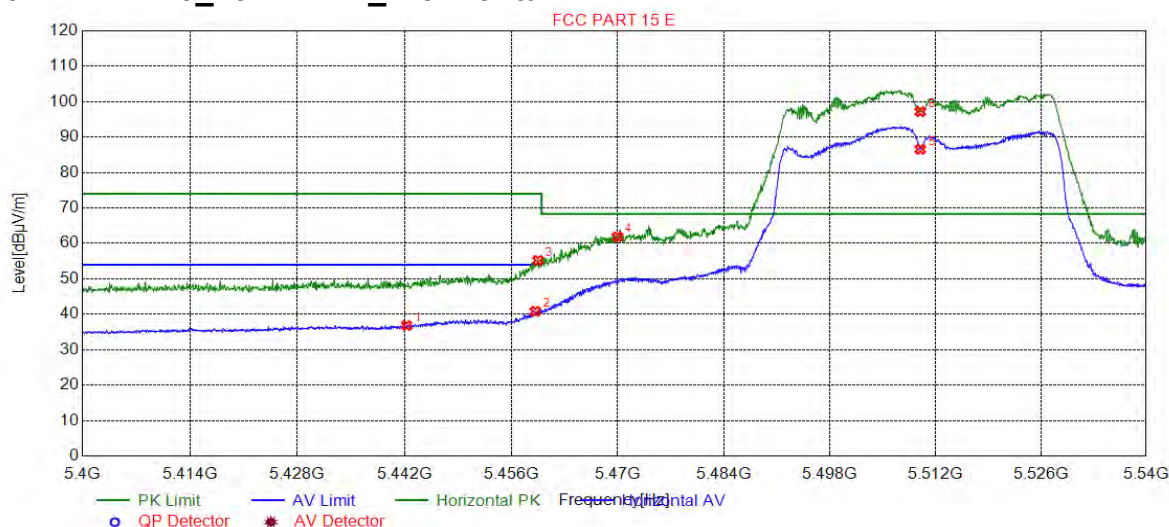
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5446.9935	35.48	16.25	54.00	18.52	100	178	Vertical
2	5459.2496	36.82	16.25	54.00	17.18	100	185	Vertical
3	5460.0200	51.30	16.25	68.30	17.00	200	222	Vertical
4	5470.0000	56.86	16.25	68.30	11.44	100	192	Vertical
5	5510.0000	93.13	16.28	68.30	-24.83	100	192	Vertical
6	5510.0000	82.21	16.28	0.00	-82.21	100	34	Vertical





4.10.1.42 11N40_102 ANT 1_ Horizontal

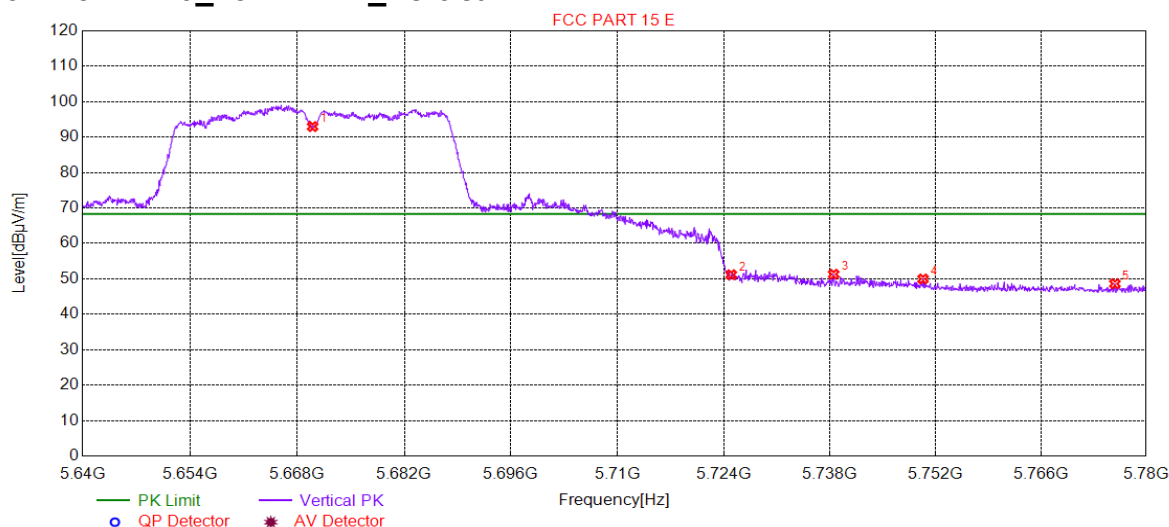


Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5442.3012	36.83	16.25	54.00	17.17	100	234	Horizontal
2	5459.1796	40.83	16.25	54.00	13.17	100	234	Horizontal
3	5459.5298	55.21	16.25	74.00	18.79	100	60	Horizontal
4	5470.0000	61.91	16.25	68.30	6.39	100	227	Horizontal
5	5510.0000	86.56	16.28	0.00	-86.56	100	227	Horizontal
6	5510.0000	97.19	16.28	68.30	-28.89	100	220	Horizontal





4.10.1.43 11N40_134 ANT 1_Vertical



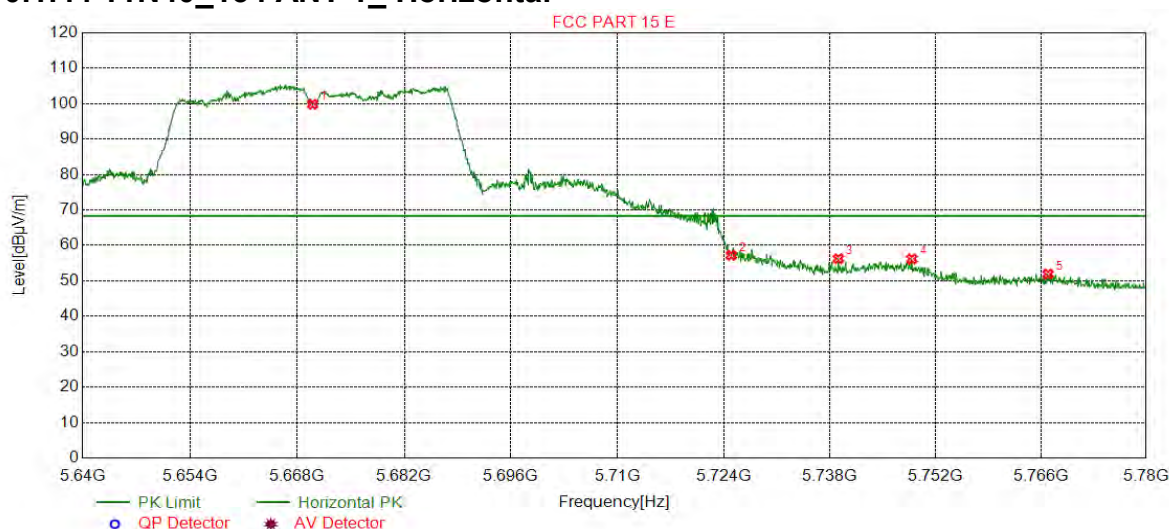
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5670.0000	92.98	16.64	68.30	-24.68	150	204	Vertical
2	5725.0000	51.18	16.96	68.30	17.12	150	16	Vertical
3	5738.5393	51.30	17.05	68.30	17.00	150	52	Vertical
4	5750.3752	49.97	17.12	68.30	18.33	150	218	Vertical
5	5775.8679	48.62	17.16	68.30	19.68	150	218	Vertical





4.10.1.44 11N40_134 ANT 1_ Horizontal



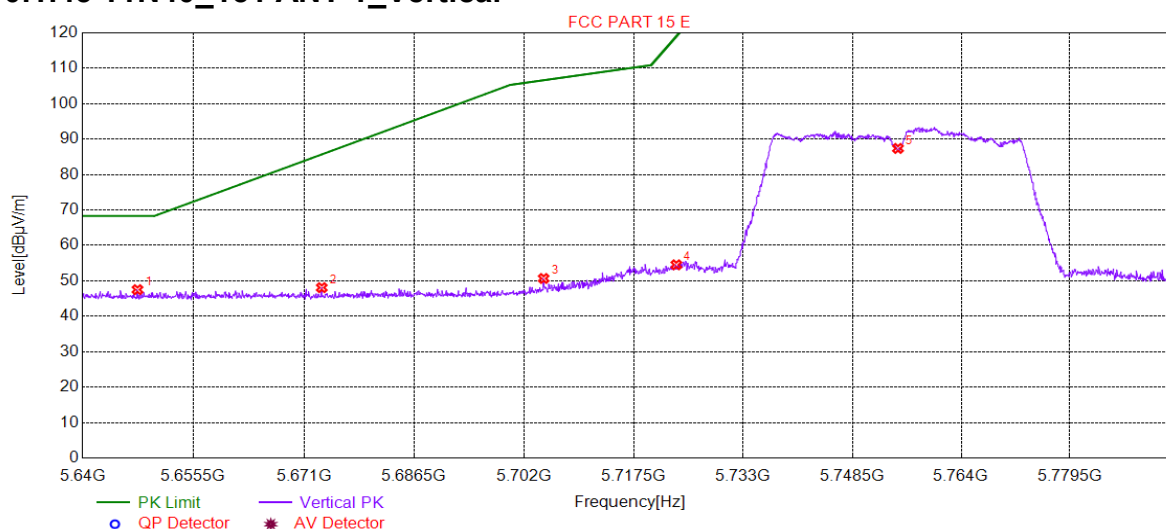
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5670.0000	99.84	16.64	68.30	-31.54	150	229	Horizontal
2	5725.0000	57.21	16.96	68.30	11.09	150	224	Horizontal
3	5739.1696	56.25	17.05	68.30	12.05	150	229	Horizontal
4	5748.9045	56.18	17.11	68.30	12.12	150	229	Horizontal
5	5766.9735	51.92	17.14	68.30	16.38	150	224	Horizontal





4.10.1.45 11N40_151 ANT 1_Vertical

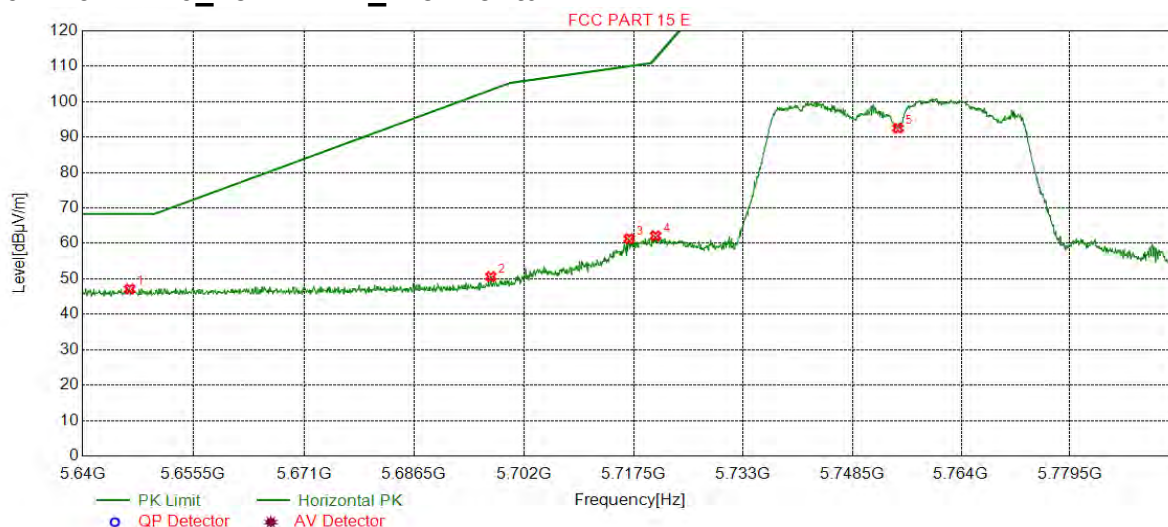


Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5647.6763	47.52	16.53	68.30	20.78	150	310	Vertical
2	5673.4967	48.09	16.66	85.69	37.60	150	216	Vertical
3	5704.7449	50.67	16.83	106.63	55.96	150	220	Vertical
4	5723.5093	54.53	16.95	118.90	64.37	150	220	Vertical
5	5755.0000	87.38	17.13	0.00	-87.38	150	20	Vertical





4.10.1.46 11N40_151 ANT 1_ Horizontal

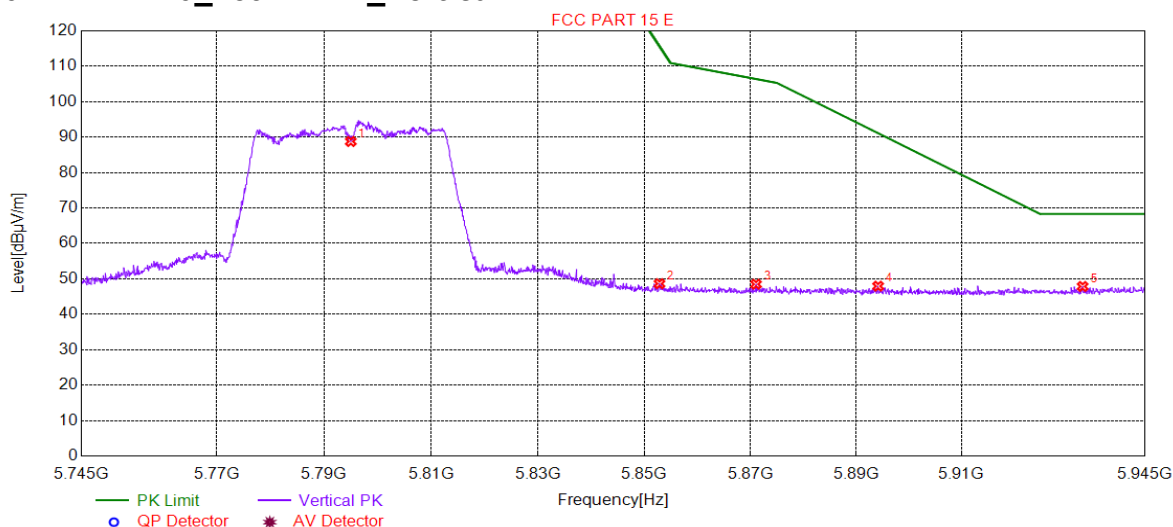


Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5646.5908	47.14	16.53	68.30	21.16	150	225	Horizontal
2	5697.3012	50.63	16.79	103.30	52.67	150	234	Horizontal
3	5716.8409	61.34	16.91	110.02	48.68	150	225	Horizontal
4	5720.5628	62.15	16.93	112.18	50.03	150	225	Horizontal
5	5755.0000	92.53	17.13	0.00	-92.53	150	234	Horizontal





4.10.1.47 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	88.77	17.18	0.00	-88.77	150	219	Vertical
2	5852.8539	48.64	17.25	115.79	67.15	150	25	Vertical
3	5871.0630	48.49	17.20	106.40	57.91	150	294	Vertical
4	5894.1746	47.94	17.13	91.11	43.17	150	261	Vertical
5	5933.0940	47.85	17.62	68.30	20.45	150	84	Vertical

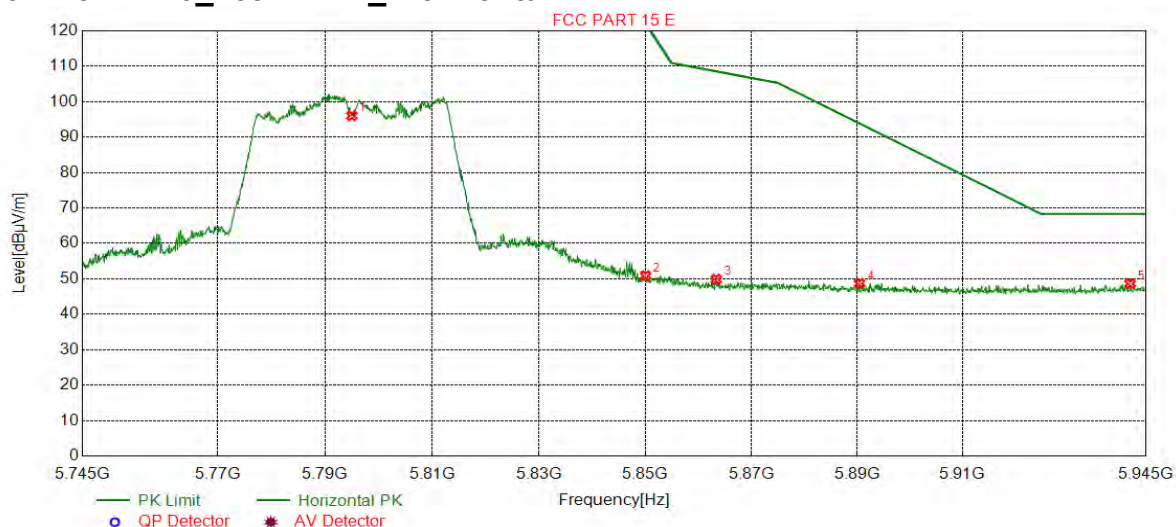


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4.10.1.48 11N40_159 ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5795.0000	96.02	17.18	0.00	-96.02	150	239	Horizontal
2	5850.0525	50.90	17.26	122.18	71.28	150	239	Horizontal
3	5863.3592	49.91	17.22	108.56	58.65	150	239	Horizontal
4	5890.4727	48.72	17.14	93.85	45.13	150	234	Horizontal
5	5941.9985	48.66	17.76	68.30	19.64	150	344	Horizontal



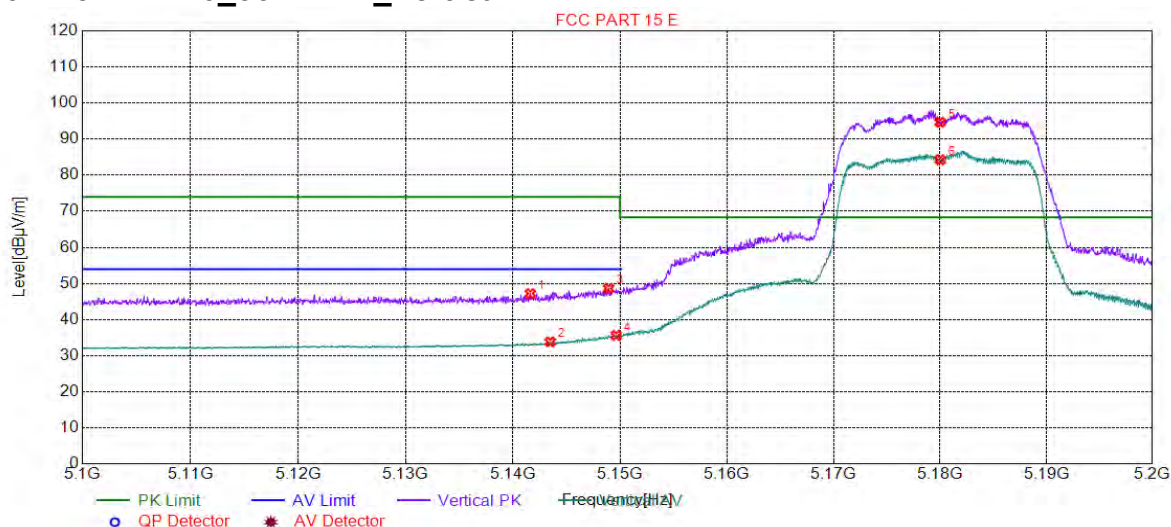
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4.10.1.49 11AC20_36 ANT 1_Vertical



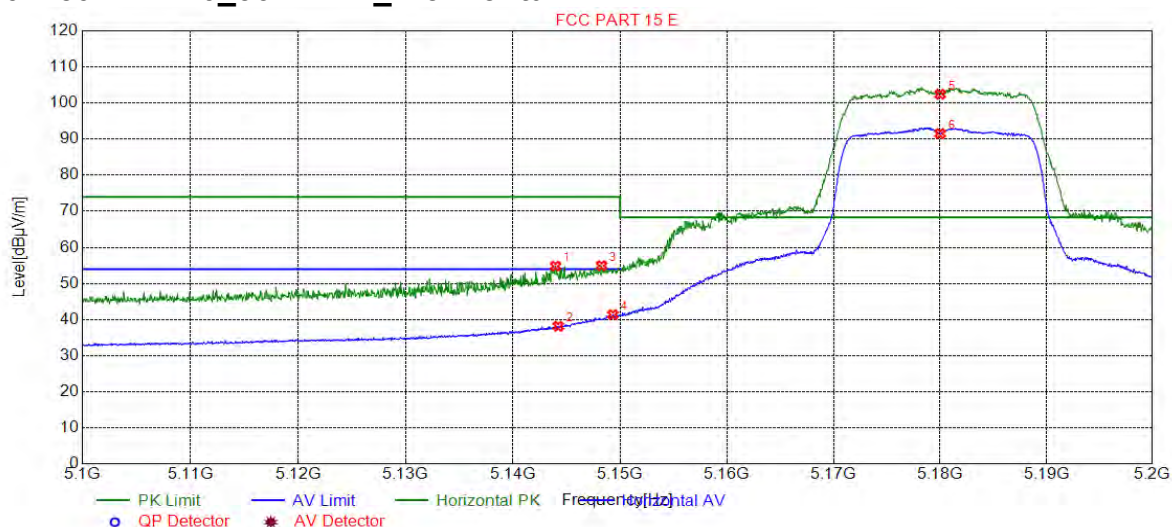
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5141.6208	47.19	15.45	74.00	26.81	150	69	Vertical
2	5143.4717	33.82	15.46	54.00	20.18	150	69	Vertical
3	5148.9245	48.62	15.51	74.00	25.38	150	228	Vertical
4	5149.6248	35.62	15.52	54.00	18.38	150	69	Vertical
5	5180.0000	94.68	15.56	68.30	-26.38	150	69	Vertical
6	5180.0000	84.27	15.56	0.00	-84.27	150	69	Vertical





4.10.1.50 11AC20_36 ANT 1_ Horizontal



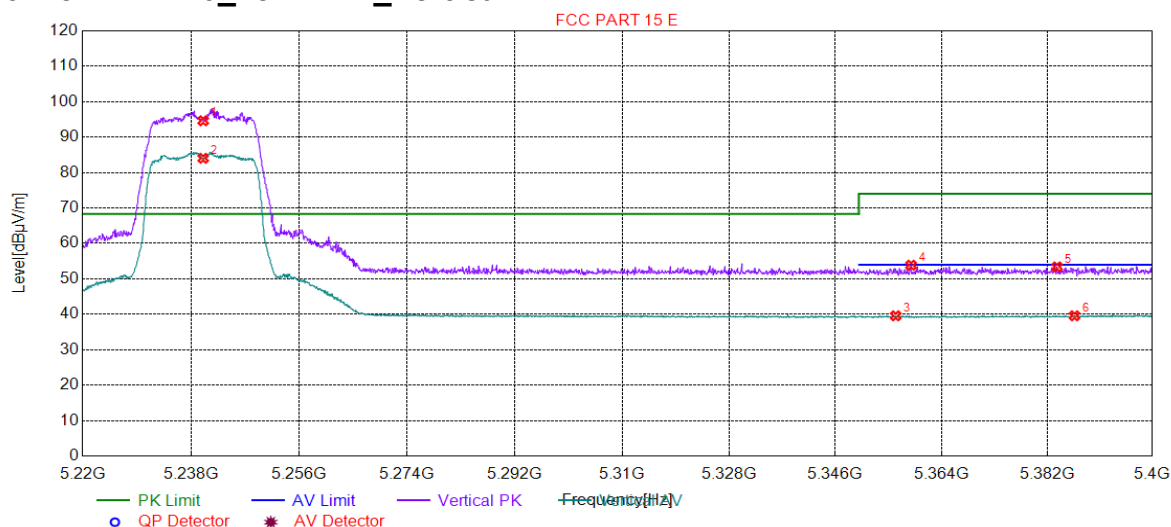
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5143.9720	54.82	15.47	74.00	19.18	150	64	Horizontal
2	5144.2221	38.14	15.47	54.00	15.86	150	70	Horizontal
3	5148.2741	54.95	15.51	74.00	19.05	150	231	Horizontal
4	5149.3247	41.37	15.51	54.00	12.63	150	70	Horizontal
5	5180.0000	102.44	15.56	68.30	-34.14	150	75	Horizontal
6	5180.0000	91.53	15.56	0.00	-91.53	150	70	Horizontal





4.10.1.51 11AC20_48 ANT 1_Vertical



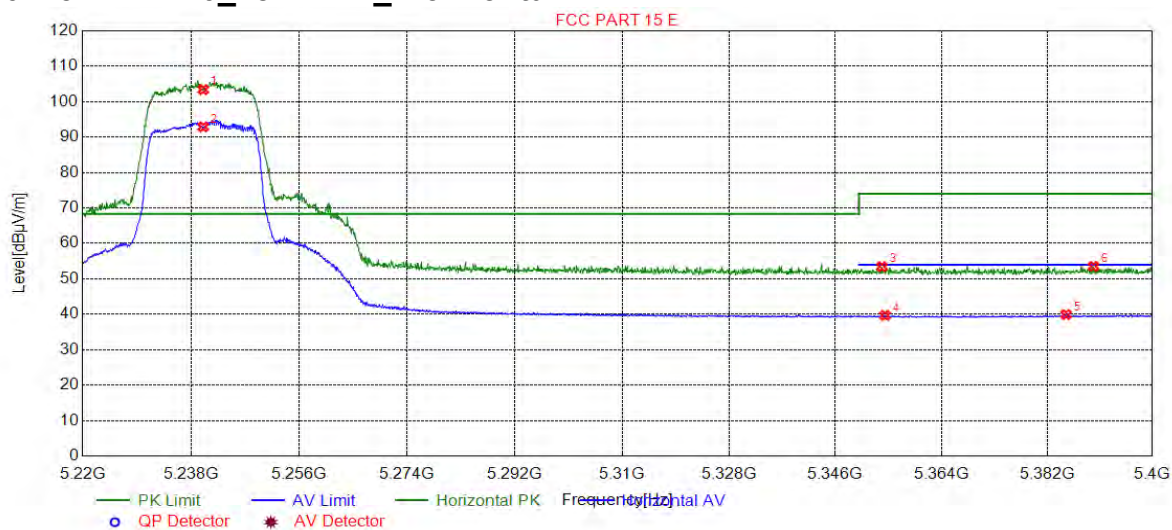
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5240.0000	94.62	15.49	68.30	-26.32	150	153	Vertical
2	5240.0000	84.03	15.49	0.00	-84.03	150	70	Vertical
3	5356.2381	39.57	15.98	54.00	14.43	150	16	Vertical
4	5358.8494	53.86	15.99	74.00	20.14	150	276	Vertical
5	5383.7019	53.39	16.15	74.00	20.61	150	282	Vertical
6	5386.6733	39.58	16.17	54.00	14.42	150	194	Vertical





4.10.1.52 11AC20_48 ANT 1_ Horizontal

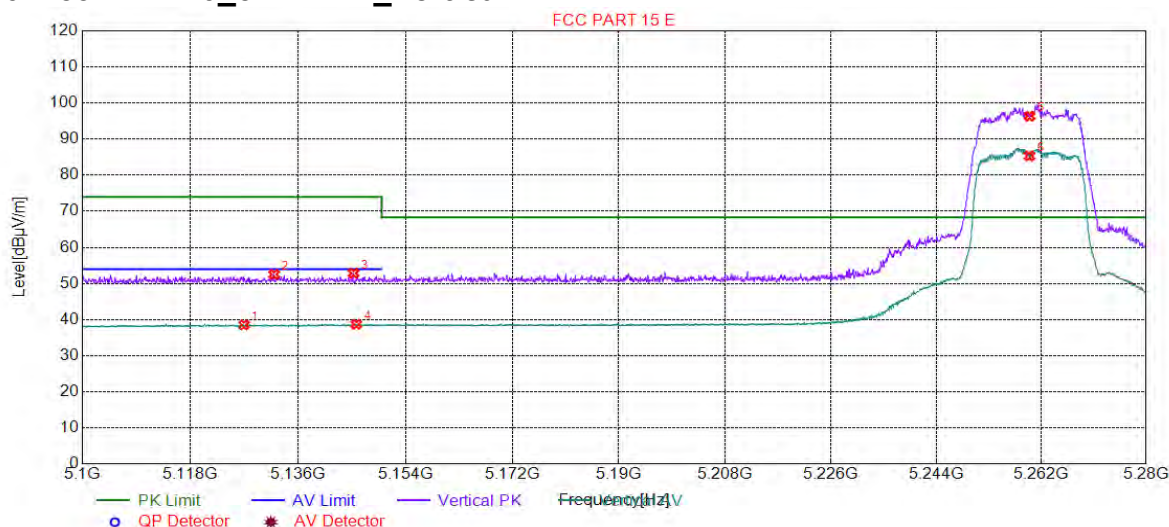


Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5240.0000	103.40	15.49	68.30	-35.10	150	240	Horizontal
2	5240.0000	92.90	15.49	0.00	-92.90	150	240	Horizontal
3	5353.8969	53.43	15.96	74.00	20.57	150	102	Horizontal
4	5354.4372	39.67	15.97	54.00	14.33	150	26	Horizontal
5	5385.2326	39.93	16.16	54.00	14.07	150	0	Horizontal
6	5389.9150	53.52	16.19	74.00	20.48	150	116	Horizontal





4.10.1.53 11AC20_52 ANT 1_Vertical



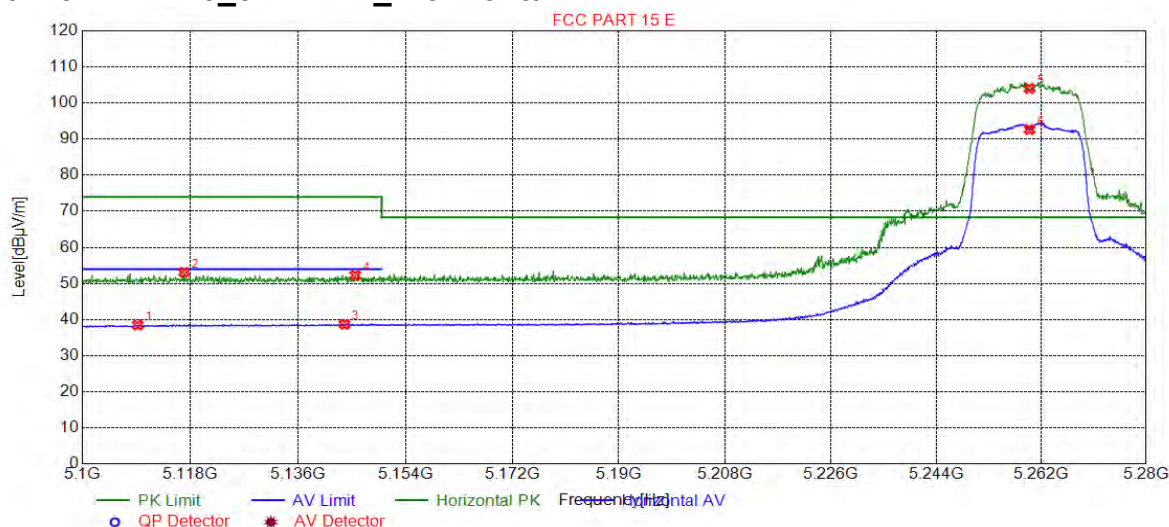
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5126.9235	38.54	15.32	54.00	15.46	150	324	Vertical
2	5131.9660	52.51	15.36	74.00	21.49	150	262	Vertical
3	5145.2926	52.85	15.48	74.00	21.15	150	357	Vertical
4	5145.7429	38.70	15.48	54.00	15.30	150	43	Vertical
5	5260.0000	96.36	15.51	68.30	-28.06	150	71	Vertical
6	5260.0000	85.33	15.51	0.00	-85.33	150	71	Vertical





4.10.1.54 11AC20_52 ANT 1_ Horizontal



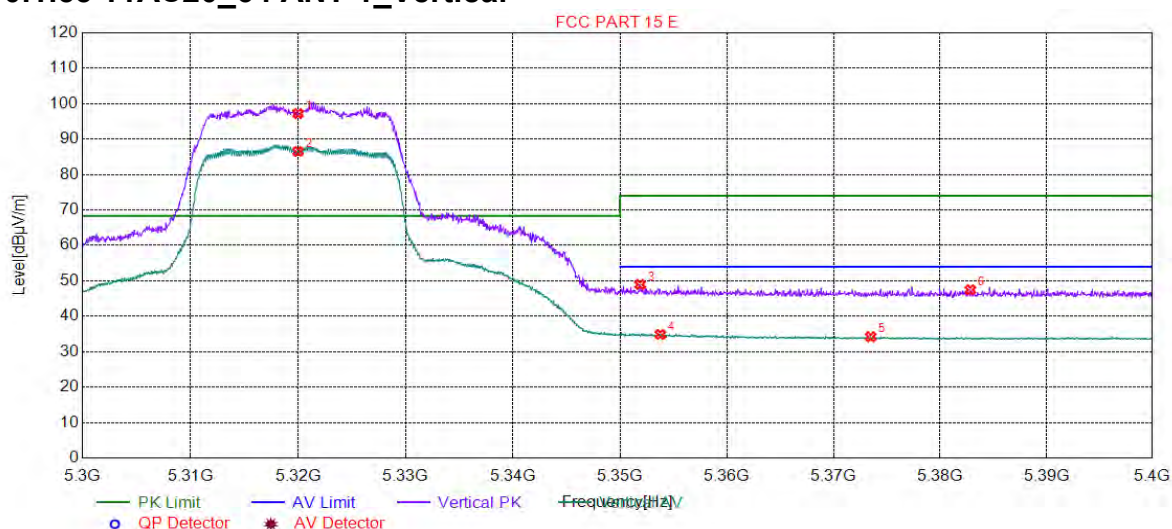
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5109.1846	38.45	15.17	54.00	15.55	150	42	Horizontal
2	5116.9285	53.08	15.24	74.00	20.92	150	186	Horizontal
3	5143.7619	38.68	15.47	54.00	15.32	150	261	Horizontal
4	5145.5628	52.28	15.48	74.00	21.72	150	227	Horizontal
5	5260.0000	104.03	15.51	68.30	-35.73	150	68	Horizontal
6	5260.0000	92.66	15.51	0.00	-92.66	150	75	Horizontal





4.10.1.55 11AC20_64 ANT 1_Vertical



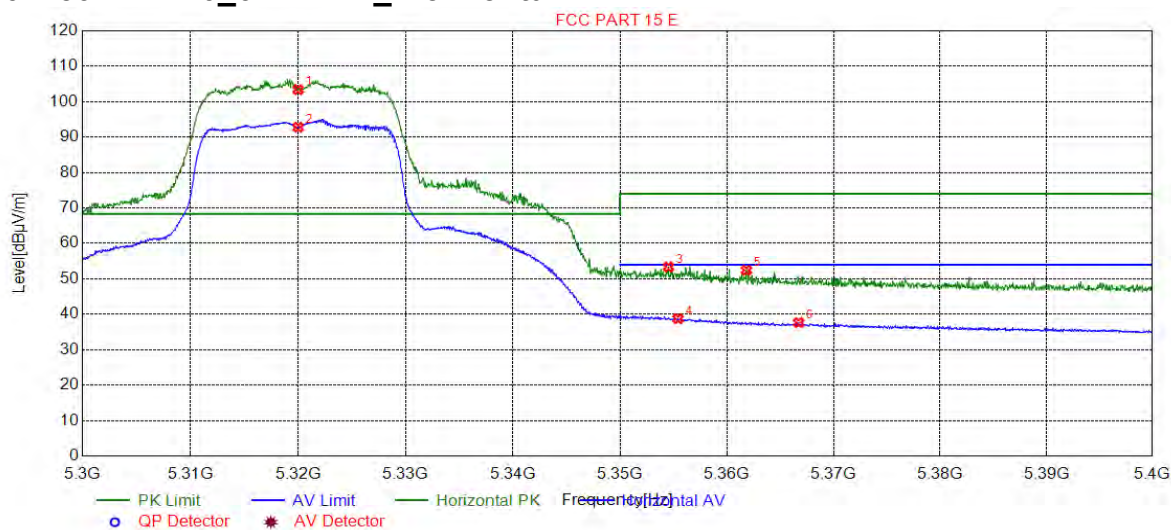
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5320.0000	97.22	15.80	68.30	-28.92	150	77	Vertical
2	5320.0000	86.50	15.80	0.00	-86.50	150	70	Vertical
3	5351.8759	48.96	15.95	74.00	25.04	150	63	Vertical
4	5353.7769	34.87	15.96	54.00	19.13	150	77	Vertical
5	5373.4867	34.21	16.09	54.00	19.79	150	221	Vertical
6	5382.8414	47.46	16.14	74.00	26.54	150	43	Vertical





4.10.1.56 11AC20_64 ANT 1_ Horizontal



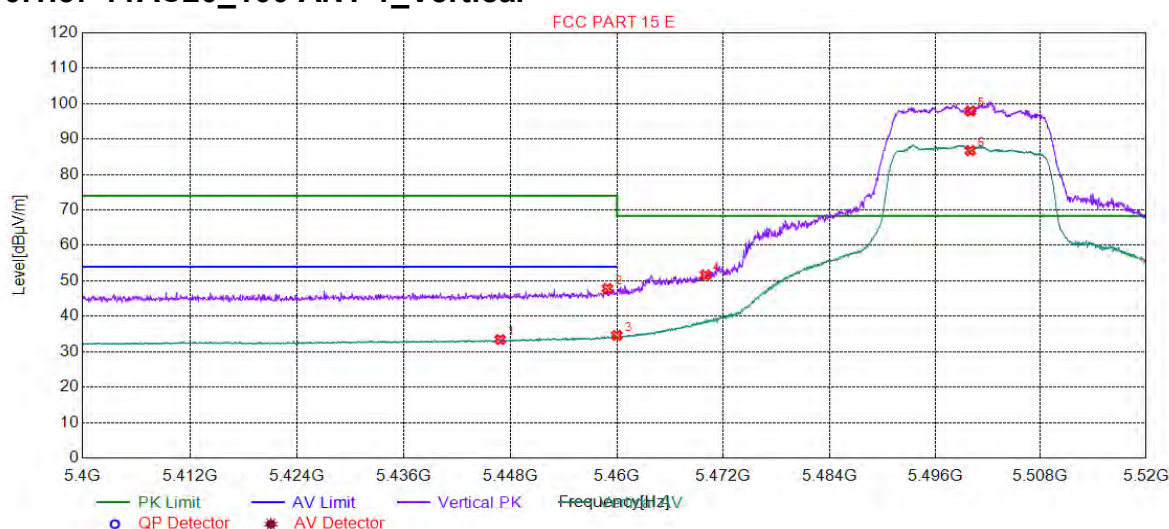
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5320.0000	103.40	15.80	68.30	-35.10	150	222	Horizontal
2	5320.0000	92.79	15.80	0.00	-92.79	150	243	Horizontal
3	5354.5273	53.37	15.97	74.00	20.63	150	77	Horizontal
4	5355.4277	38.75	15.97	54.00	15.25	150	70	Horizontal
5	5361.8309	52.42	16.01	74.00	21.58	150	63	Horizontal
6	5366.7334	37.66	16.04	54.00	16.34	150	236	Horizontal





4.10.1.57 11AC20_100 ANT 1_Vertical

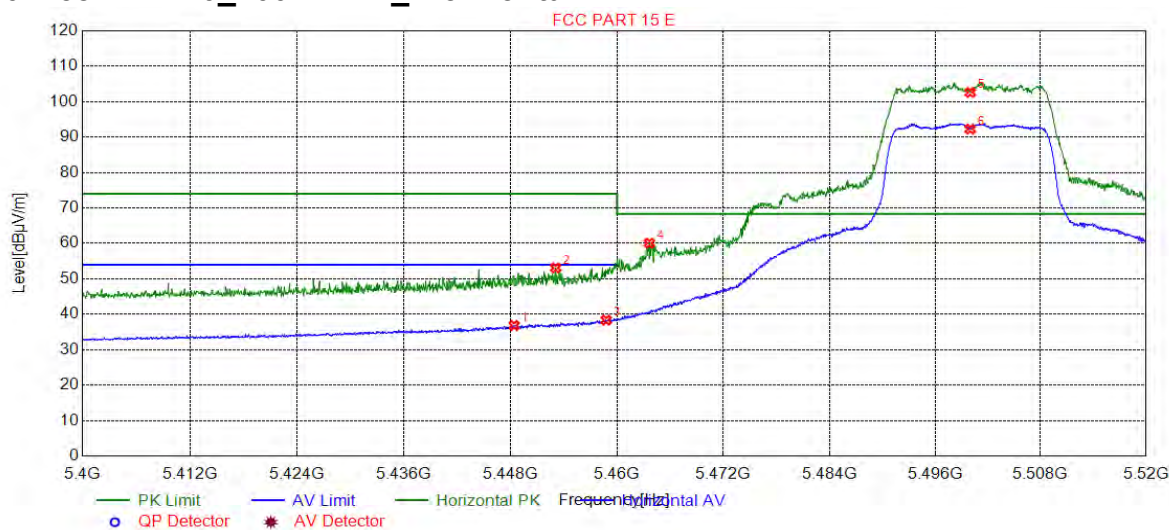


Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5446.8234	33.44	16.25	54.00	20.56	150	30	Vertical
2	5458.8894	47.83	16.25	74.00	26.17	150	35	Vertical
3	5459.9700	34.61	16.25	54.00	19.39	150	40	Vertical
4	5469.9950	51.68	16.25	68.30	16.62	150	233	Vertical
5	5500.0000	97.91	16.25	68.30	-29.61	150	46	Vertical
6	5500.0000	86.77	16.25	0.00	-86.77	150	40	Vertical





4.10.1.58 11AC20_100 ANT 1_ Horizontal



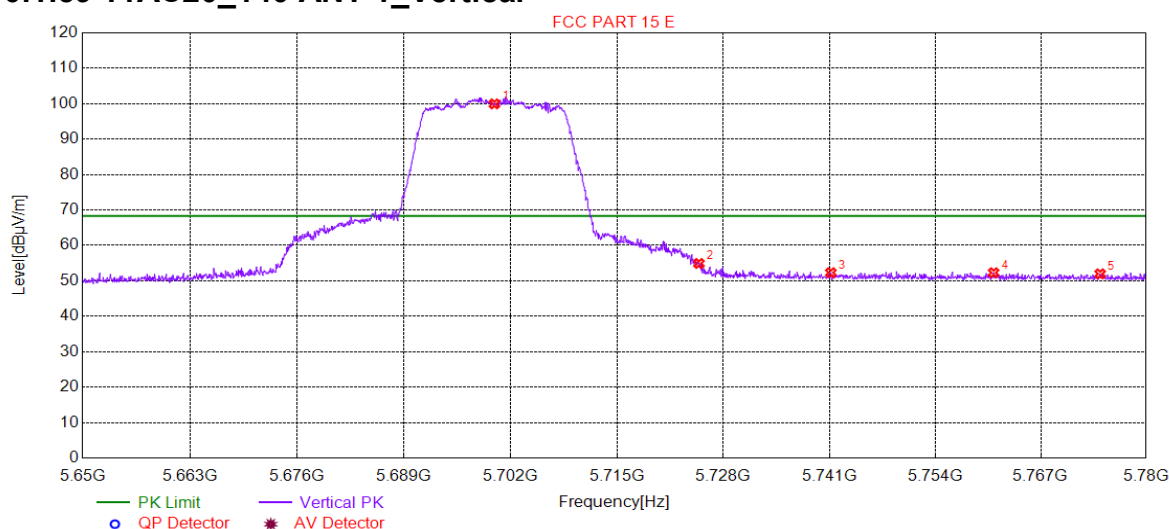
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5448.3842	36.84	16.25	54.00	17.16	150	236	Horizontal
2	5453.0665	53.12	16.25	74.00	20.88	150	236	Horizontal
3	5458.7694	38.37	16.25	54.00	15.63	150	224	Horizontal
4	5463.6318	60.06	16.25	68.30	8.24	150	224	Horizontal
5	5500.0000	102.61	16.25	68.30	-34.31	150	75	Horizontal
6	5500.0000	92.26	16.25	0.00	-92.26	150	224	Horizontal





4.10.1.59 11AC20_140 ANT 1_Vertical



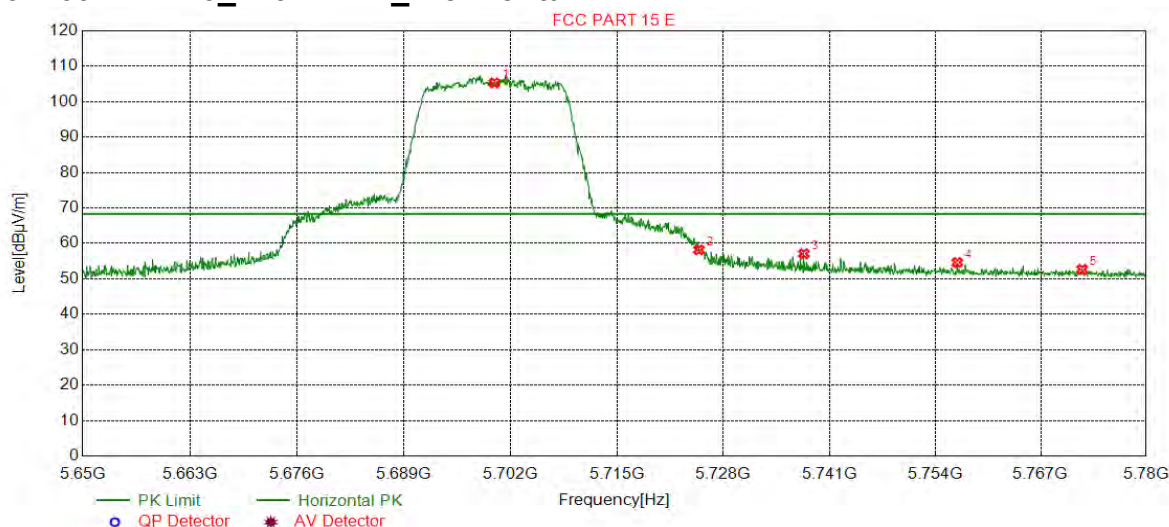
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5700.0000	99.95	16.80	68.30	-31.65	100	183	Vertical
2	5725.0000	54.91	16.96	68.30	13.39	100	183	Vertical
3	5741.1756	52.30	17.06	68.30	16.00	100	208	Vertical
4	5761.2056	52.30	17.14	68.30	16.00	100	174	Vertical
5	5774.3422	51.98	17.15	68.30	16.32	200	210	Vertical





4.10.1.60 11AC20_140 ANT 1_ Horizontal

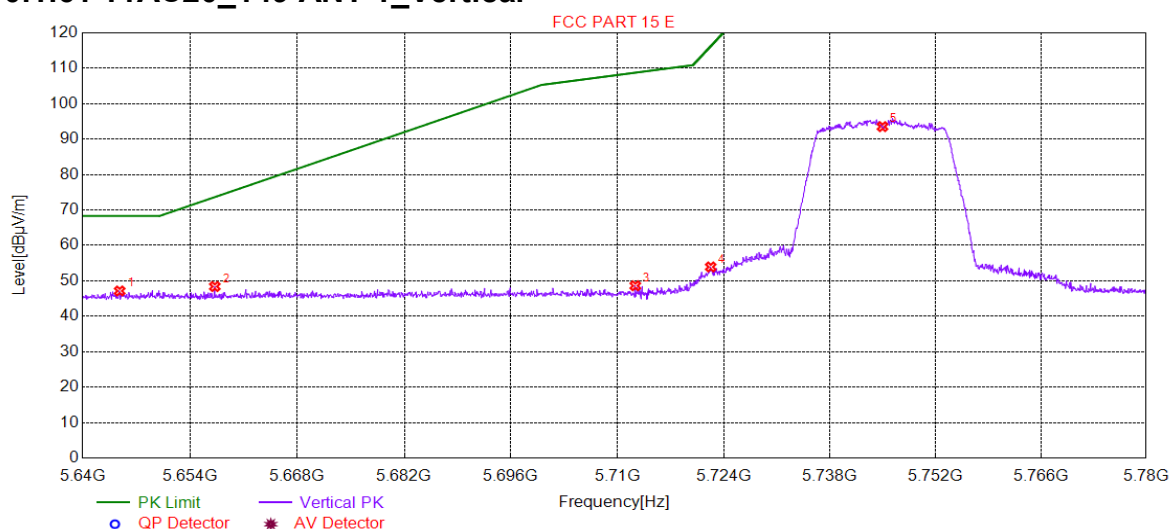


Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5700.0000	105.31	16.80	68.30	-37.01	100	224	Horizontal
2	5725.0000	58.19	16.96	68.30	10.11	100	199	Horizontal
3	5737.8589	57.07	17.04	68.30	11.23	100	224	Horizontal
4	5756.7184	54.59	17.13	68.30	13.71	100	219	Horizontal
5	5772.1311	52.68	17.15	68.30	15.62	100	224	Horizontal





4.10.1.61 11AC20_149 ANT 1_Vertical



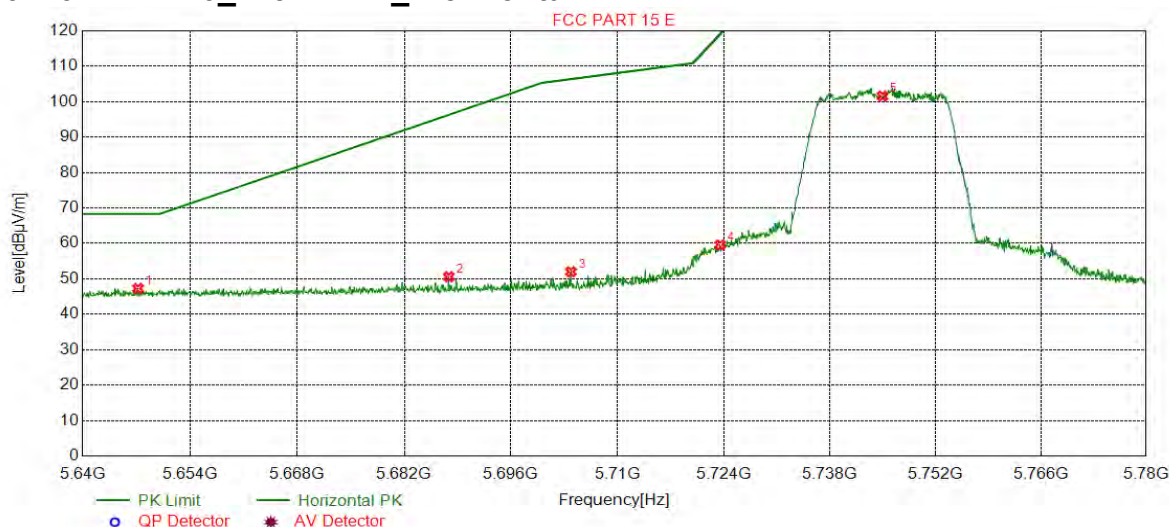
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5644.8324	47.15	16.54	68.30	21.15	150	43	Vertical
2	5657.2286	48.40	16.57	73.65	25.25	150	330	Vertical
3	5712.3462	48.62	16.88	108.76	60.14	150	57	Vertical
4	5722.2911	53.93	16.94	116.12	62.19	150	25	Vertical
5	5745.0000	93.52	17.09	0.00	-93.52	150	16	Vertical





4.10.1.62 11AC20_149 ANT 1_ Horizontal



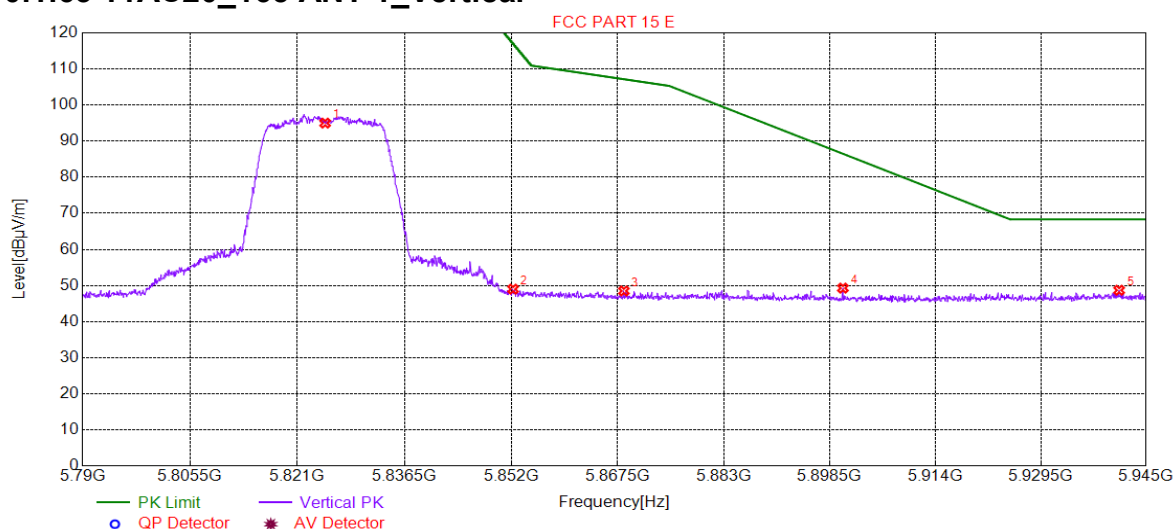
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5647.2136	47.28	16.53	68.30	21.02	150	81	Horizontal
2	5687.8339	50.61	16.73	96.30	45.69	150	234	Horizontal
3	5703.8719	52.02	16.82	106.38	54.36	150	224	Horizontal
4	5723.5518	59.60	16.95	119.00	59.40	150	234	Horizontal
5	5745.0000	101.59	17.09	0.00	-101.59	150	234	Horizontal





4.10.1.63 11AC20_165 ANT 1_Vertical

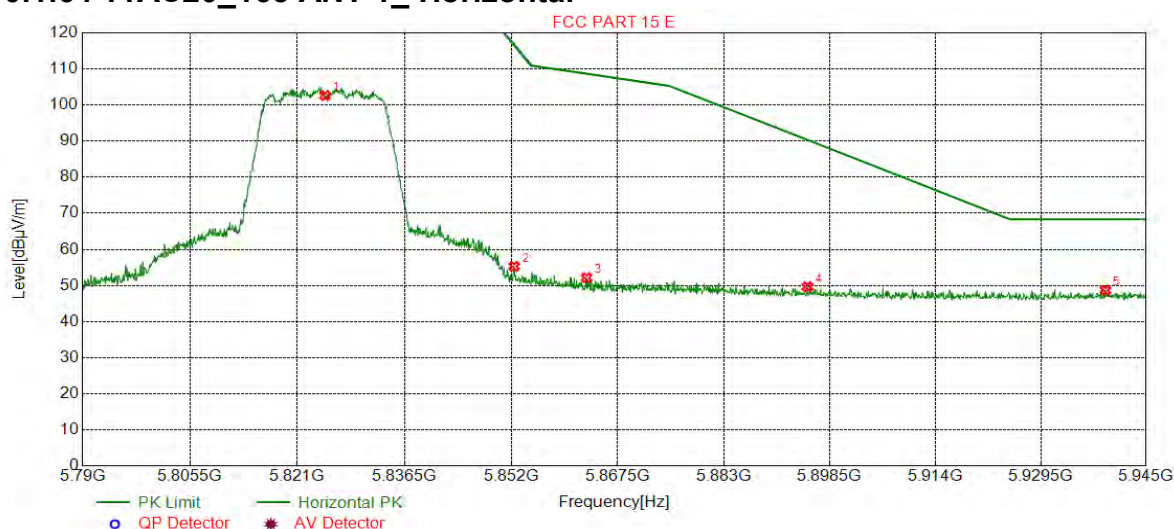


Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5825.0000	94.99	17.23	0.00	-94.99	150	217	Vertical
2	5852.2636	48.99	17.25	117.14	68.15	150	47	Vertical
3	5868.3917	48.49	17.20	107.15	58.66	150	16	Vertical
4	5900.4152	49.27	17.12	86.49	37.22	150	60	Vertical
5	5941.0455	48.68	17.74	68.30	19.62	150	152	Vertical





4.10.1.64 11AC20_165 ANT 1_ Horizontal

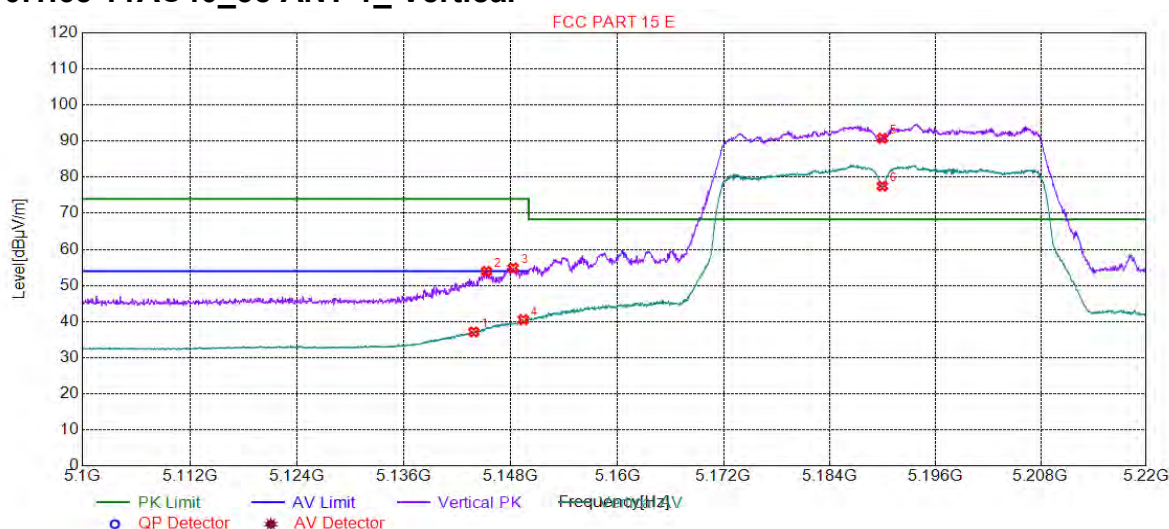


Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5825.0000	102.61	17.23	0.00	-102.61	150	234	Horizontal
2	5852.4187	55.29	17.25	116.79	61.50	150	234	Horizontal
3	5862.9640	52.16	17.22	108.67	56.51	150	234	Horizontal
4	5895.2201	49.65	17.12	90.34	40.69	150	234	Horizontal
5	5939.0295	48.67	17.71	68.30	19.63	150	221	Horizontal





4.10.1.65 11AC40_38 ANT 1_ Vertical



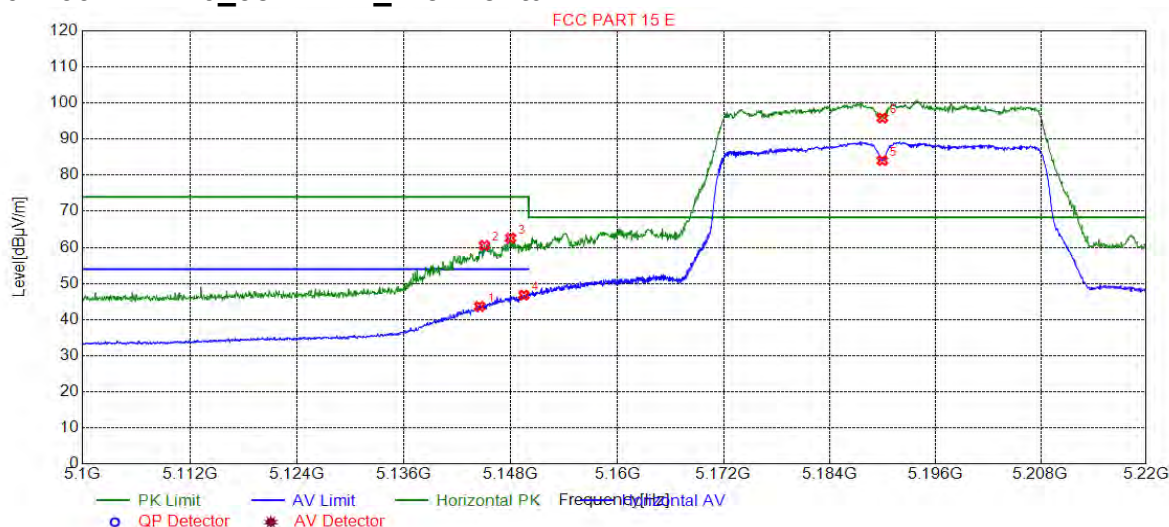
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5143.8219	37.14	15.47	54.00	16.86	100	58	Vertical
2	5145.2626	53.91	15.48	74.00	20.09	100	185	Vertical
3	5148.2641	54.86	15.51	74.00	19.14	100	58	Vertical
4	5149.4047	40.51	15.51	54.00	13.49	100	206	Vertical
5	5190.0000	90.79	15.58	68.30	-22.49	100	190	Vertical
6	5190.0000	77.54	15.58	0.00	-77.54	100	196	Vertical





4.10.1.66 11AC40_38 ANT 1_ Horizontal



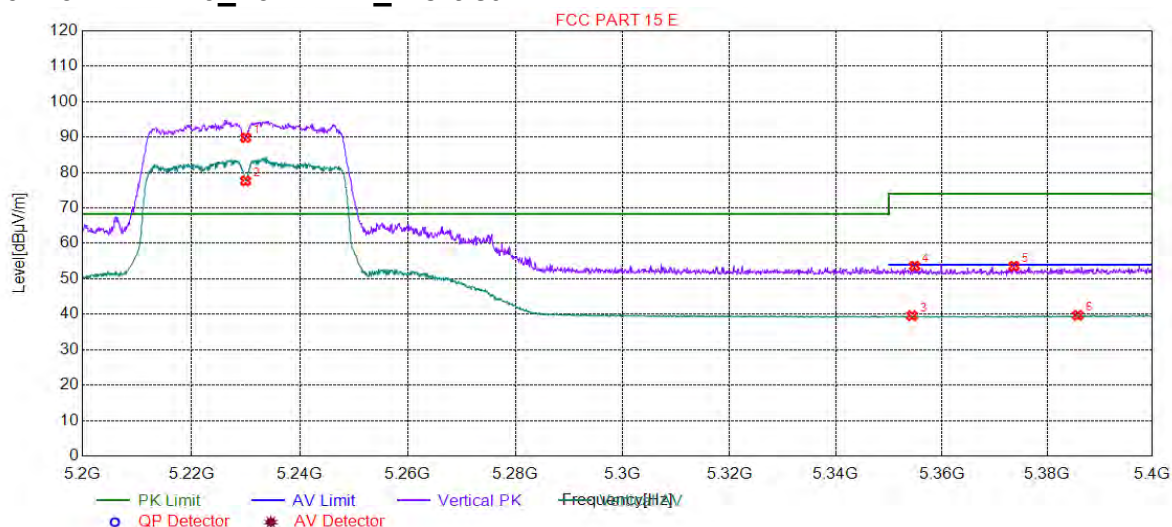
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5144.4822	43.64	15.47	54.00	10.36	100	66	Horizontal
2	5145.0225	60.54	15.48	74.00	13.46	100	61	Horizontal
3	5147.9640	62.58	15.50	74.00	11.42	100	66	Horizontal
4	5149.4647	46.77	15.52	54.00	7.23	100	66	Horizontal
5	5190.0000	84.07	15.58	0.00	-84.07	100	230	Horizontal
6	5190.0000	95.86	15.58	68.30	-27.56	100	230	Horizontal





4.10.1.67 11AC40_46 ANT 1_ Vertical

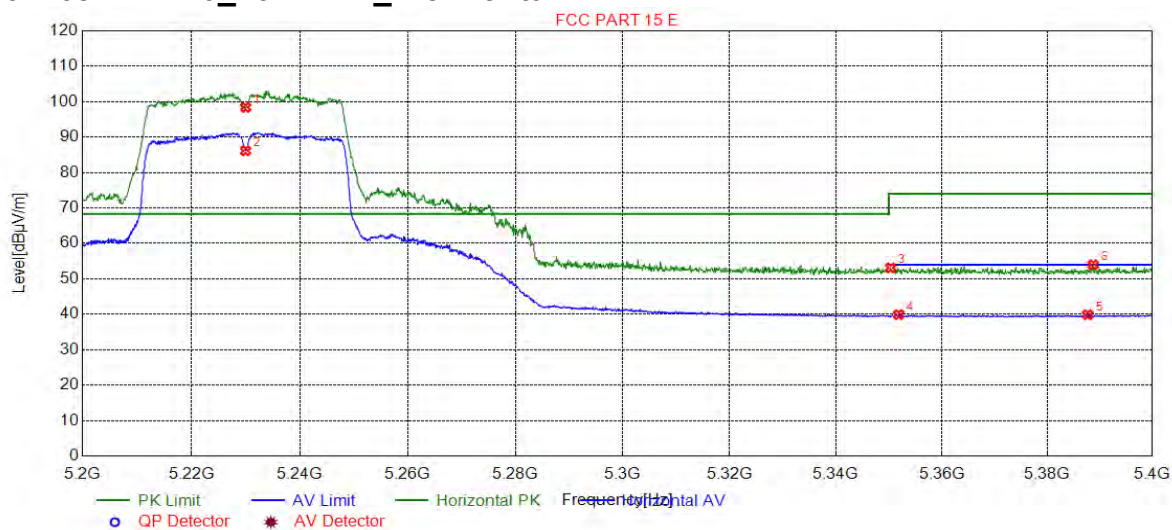


Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5230.0000	89.84	15.51	68.30	-21.54	150	181	Vertical
2	5230.0000	77.62	15.51	0.00	-77.62	150	70	Vertical
3	5354.3772	39.60	15.97	54.00	14.40	150	98	Vertical
4	5354.8774	53.59	15.97	74.00	20.41	150	167	Vertical
5	5373.6868	53.58	16.09	74.00	20.42	150	189	Vertical
6	5385.7929	39.70	16.16	54.00	14.30	150	35	Vertical





4.10.1.68 11AC40_46 ANT 1_ Horizontal



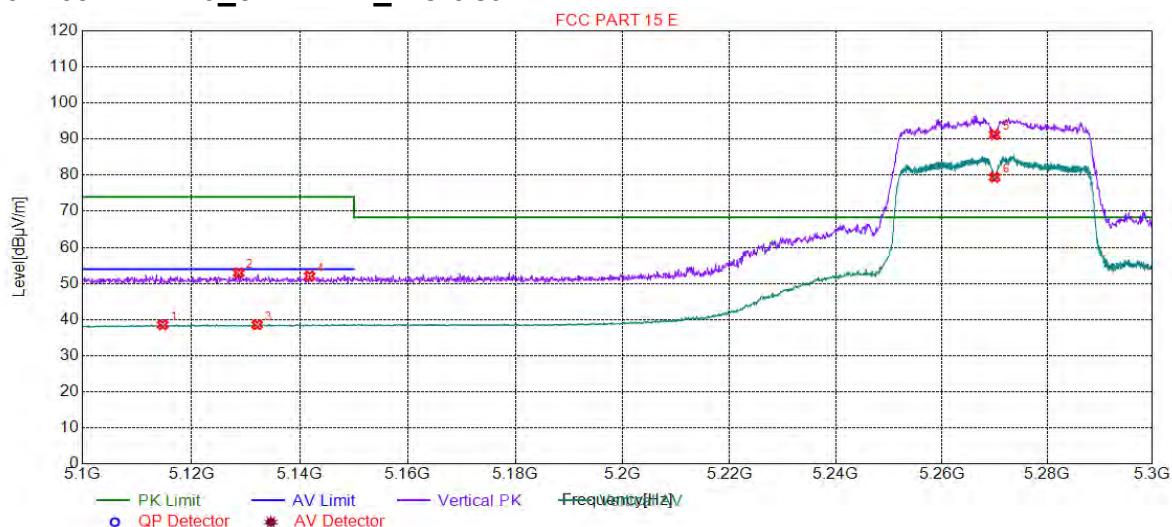
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5230.0000	98.40	15.51	68.30	-30.10	150	63	Horizontal
2	5230.0000	86.15	15.51	0.00	-86.15	150	70	Horizontal
3	5350.3752	53.14	15.94	74.00	20.86	150	220	Horizontal
4	5351.8759	39.93	15.95	54.00	14.07	150	227	Horizontal
5	5387.6938	39.89	16.17	54.00	14.11	150	84	Horizontal
6	5388.6943	53.97	16.18	74.00	20.03	150	234	Horizontal





4.10.1.69 11AC40_54 ANT 1_ Vertical

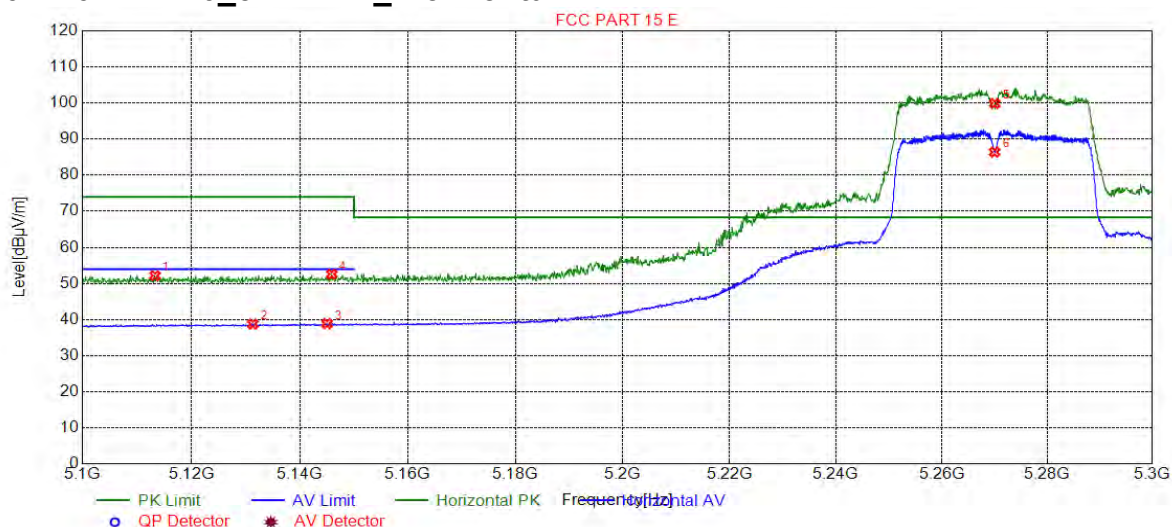


Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5114.7074	38.55	15.22	54.00	15.45	150	329	Vertical
2	5128.7144	52.92	15.34	74.00	21.08	150	359	Vertical
3	5132.1161	38.55	15.37	54.00	15.45	150	131	Vertical
4	5141.8209	52.08	15.45	74.00	21.92	150	219	Vertical
5	5270.0000	91.21	15.56	68.30	-22.91	150	75	Vertical
6	5270.0000	79.42	15.56	0.00	-79.42	150	69	Vertical





4.10.1.70 11AC40_54 ANT 1_ Horizontal



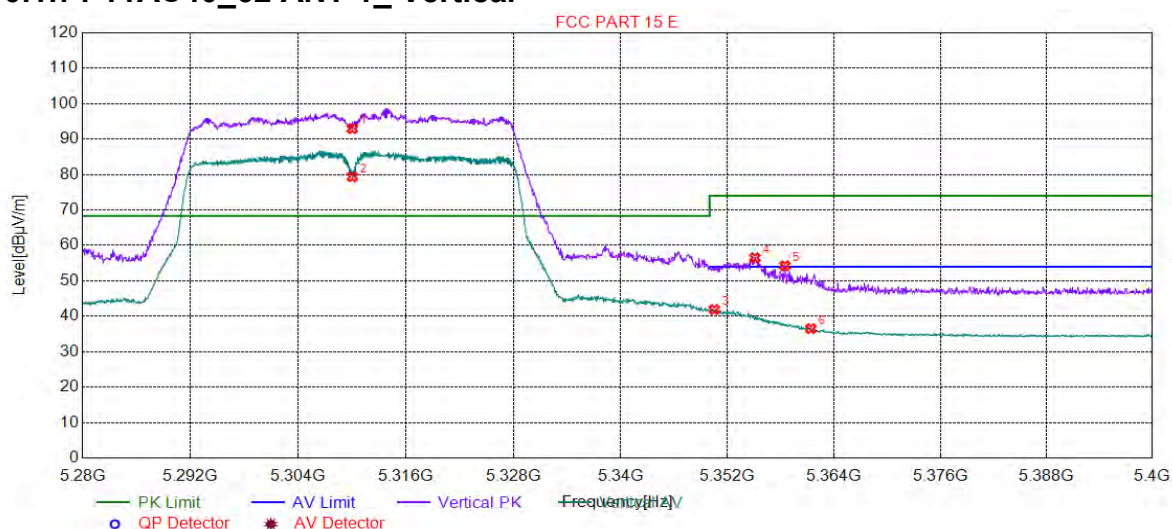
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5113.3067	52.18	15.20	74.00	21.82	150	173	Horizontal
2	5131.3157	38.76	15.36	54.00	15.24	150	344	Horizontal
3	5145.0225	38.88	15.48	54.00	15.12	150	90	Horizontal
4	5145.9230	52.55	15.48	74.00	21.45	150	111	Horizontal
5	5270.0000	99.86	15.56	68.30	-31.56	150	242	Horizontal
6	5270.0000	86.39	15.56	0.00	-86.39	150	76	Horizontal





4.10.1.71 11AC40_62 ANT 1_ Vertical

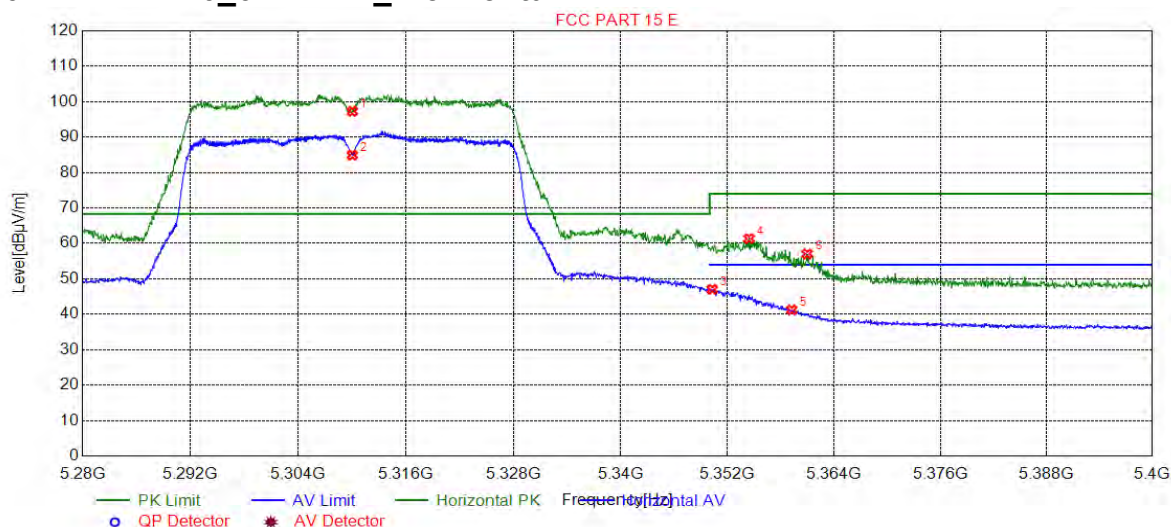


Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5310.0000	92.96	15.75	68.30	-24.66	100	37	Vertical
2	5310.0000	79.36	15.75	0.00	-79.36	100	37	Vertical
3	5350.5353	41.90	15.94	54.00	12.10	100	188	Vertical
4	5355.0975	56.53	15.97	74.00	17.47	100	195	Vertical
5	5358.4592	54.24	15.99	74.00	19.76	100	181	Vertical
6	5361.4007	36.51	16.01	54.00	17.49	100	195	Vertical





4.10.1.72 11AC40_62 ANT 1_ Horizontal



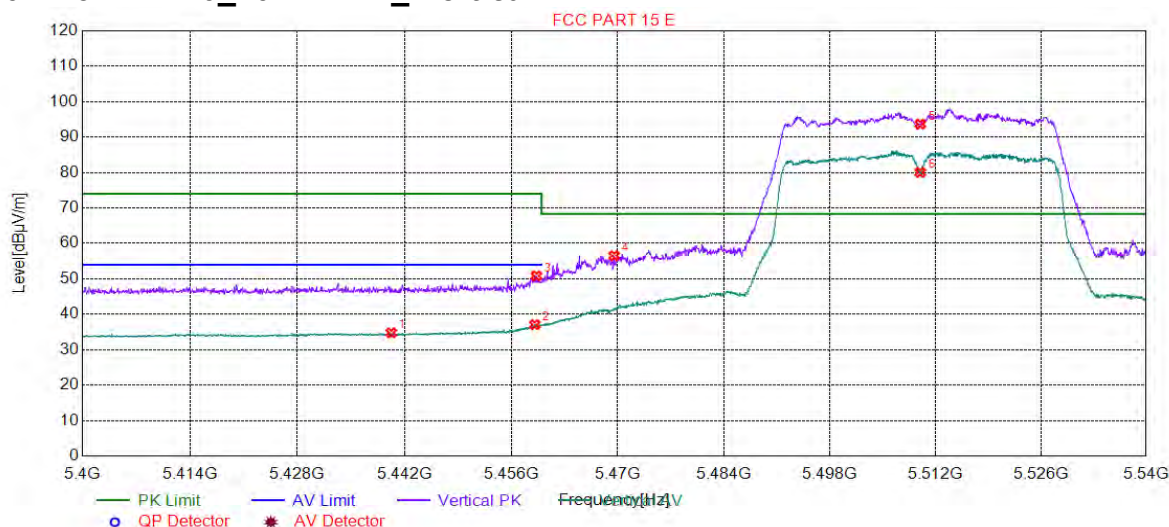
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5310.0000	97.27	15.75	68.30	-28.97	100	235	Horizontal
2	5310.0000	84.92	15.75	0.00	-84.92	100	228	Horizontal
3	5350.2951	47.05	15.94	54.00	6.95	100	69	Horizontal
4	5354.4372	61.36	15.97	74.00	12.64	100	69	Horizontal
5	5359.2396	41.25	16.00	54.00	12.75	100	235	Horizontal
6	5360.9805	57.04	16.01	74.00	16.96	100	235	Horizontal





4.10.1.73 11AC40_102 ANT 1_ Vertical

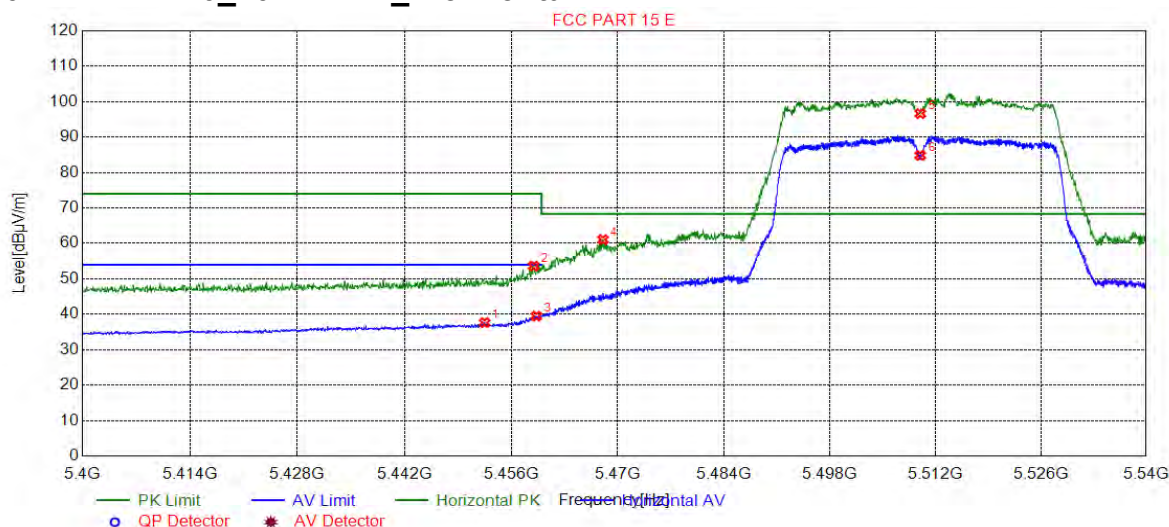


Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5440.2701	34.77	16.25	54.00	19.23	100	193	Vertical
2	5459.1096	37.08	16.25	54.00	16.92	100	185	Vertical
3	5459.3197	50.87	16.25	74.00	23.13	100	206	Vertical
4	5469.5448	56.54	16.25	68.30	11.76	200	217	Vertical
5	5510.0000	93.69	16.28	68.30	-25.39	100	178	Vertical
6	5510.0000	80.04	16.28	0.00	-80.04	100	178	Vertical



4.10.1.74 11AC40_102 ANT 1_ Horizontal



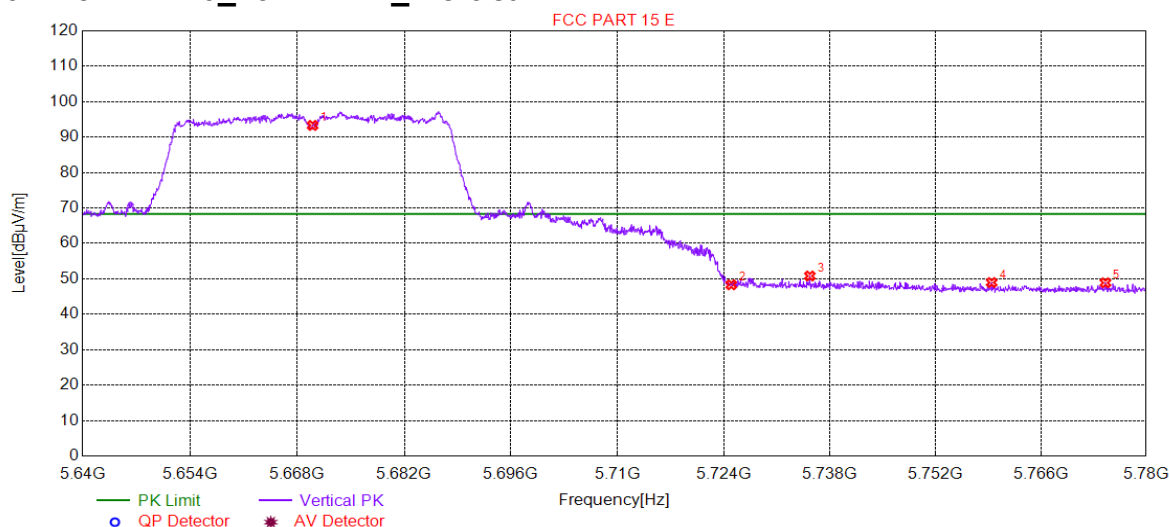
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5452.5263	37.64	16.25	54.00	16.36	100	227	Horizontal
2	5458.9695	53.61	16.25	74.00	20.39	100	55	Horizontal
3	5459.3197	39.49	16.25	54.00	14.51	100	227	Horizontal
4	5468.0740	61.07	16.25	68.30	7.23	100	227	Horizontal
5	5510.0000	96.64	16.28	68.30	-28.34	100	220	Horizontal
6	5510.0000	84.85	16.28	0.00	-84.85	100	227	Horizontal





4.10.1.75 11AC40_134 ANT 1_ Vertical



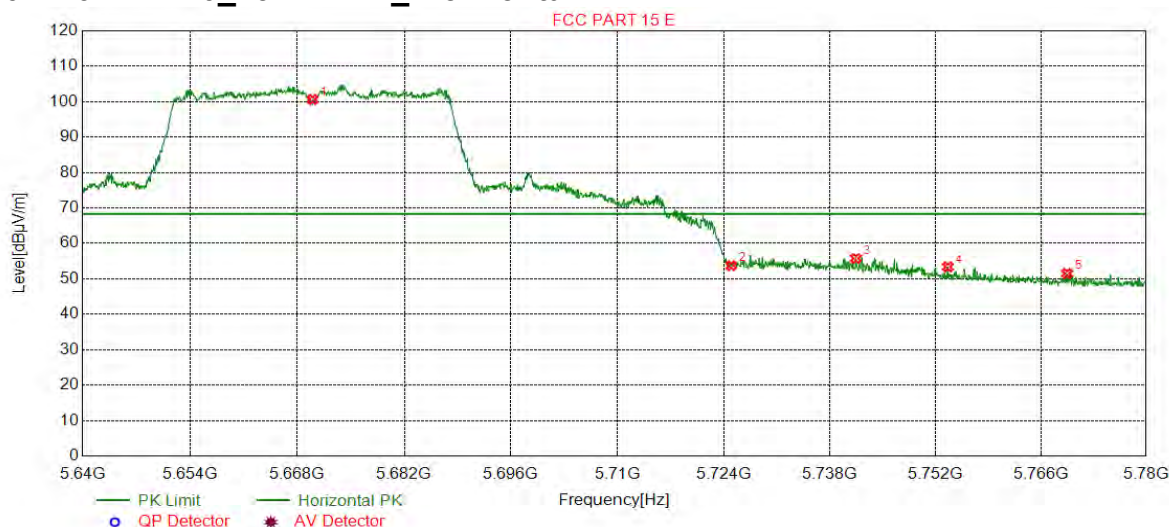
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5670.0000	93.31	16.64	68.30	-25.01	150	39	Vertical
2	5725.0000	48.32	16.96	68.30	19.98	150	158	Vertical
3	5735.3877	50.81	17.03	68.30	17.49	150	219	Vertical
4	5759.4797	48.96	17.13	68.30	19.34	150	228	Vertical
5	5774.6073	48.89	17.15	68.30	19.41	150	233	Vertical





4.10.1.76 11AC40_134 ANT 1_ Horizontal



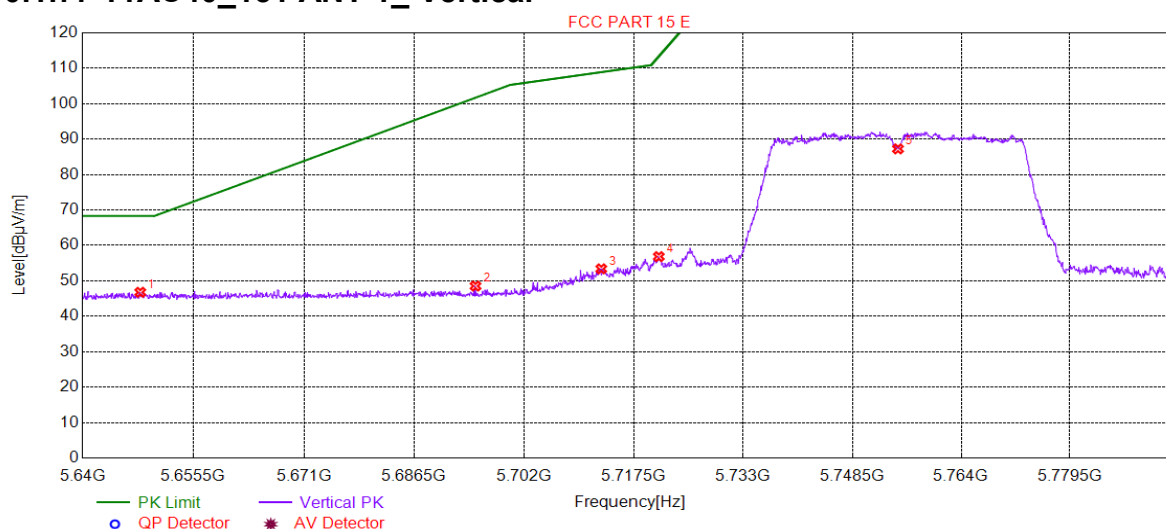
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5670.0000	100.61	16.64	68.30	-32.31	150	238	Horizontal
2	5725.0000	53.72	16.96	68.30	14.58	150	229	Horizontal
3	5741.4807	55.75	17.07	68.30	12.55	150	229	Horizontal
4	5753.6668	53.38	17.13	68.30	14.92	150	238	Horizontal
5	5769.4947	51.53	17.15	68.30	16.77	150	224	Horizontal





4.10.1.77 11AC40_151 ANT 1_ Vertical

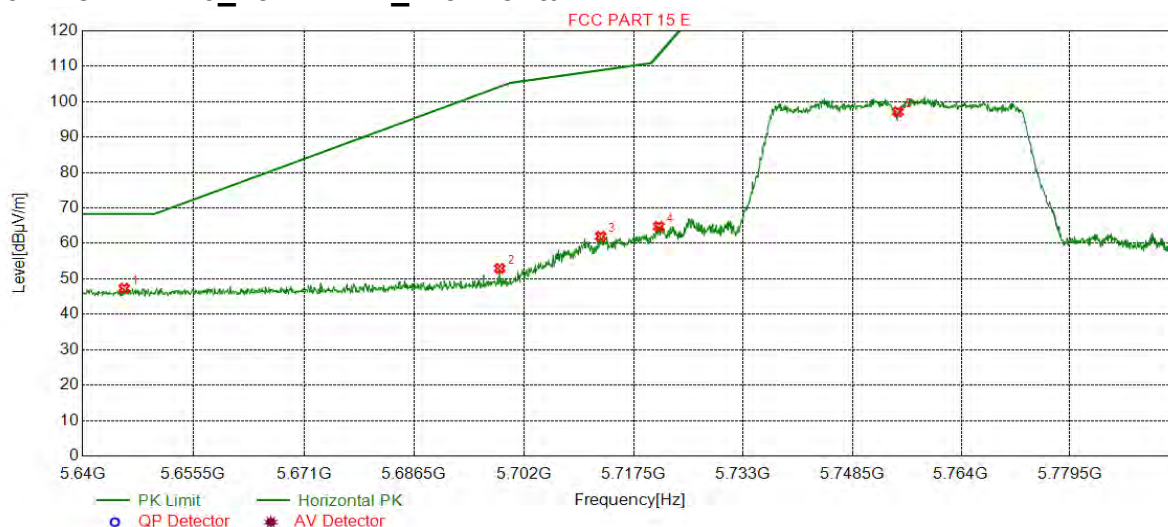


Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5648.0640	46.78	16.53	68.30	21.52	150	316	Vertical
2	5695.1301	48.54	16.77	101.70	53.16	150	279	Vertical
3	5712.8864	53.39	16.88	108.91	55.52	150	29	Vertical
4	5721.0280	56.85	16.93	113.24	56.39	150	29	Vertical
5	5755.0000	87.24	17.13	0.00	-87.24	150	16	Vertical





4.10.1.78 11AC40_151 ANT 1_ Horizontal

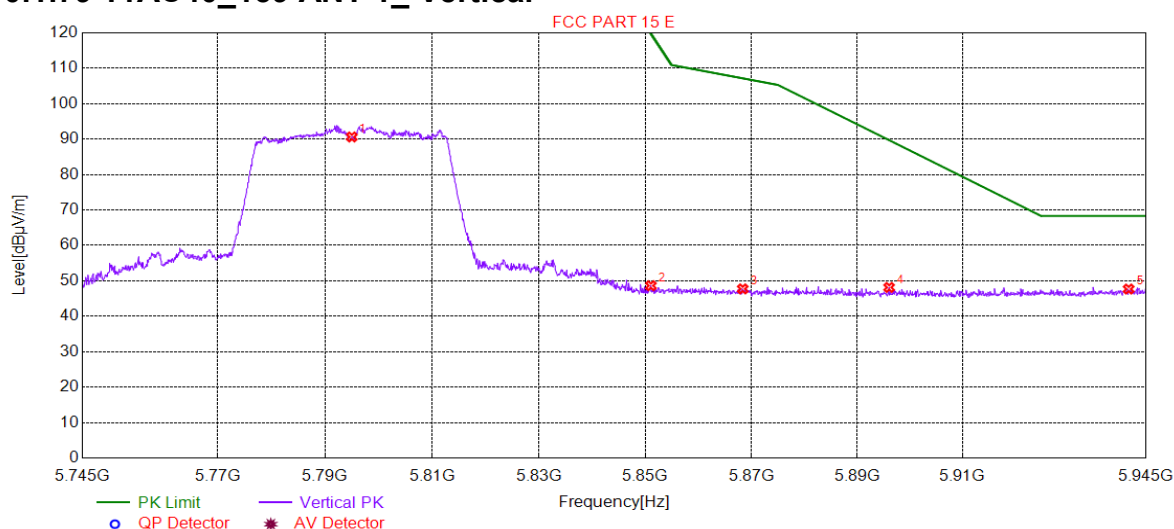


Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5645.8154	47.34	16.54	68.30	20.96	150	225	Horizontal
2	5698.5418	52.94	16.79	104.22	51.28	150	234	Horizontal
3	5712.8089	61.99	16.88	108.89	46.90	150	234	Horizontal
4	5721.0280	64.78	16.93	113.24	48.46	150	234	Horizontal
5	5755.0000	97.16	17.13	0.00	-97.16	150	234	Horizontal





4.10.1.79 11AC40_159 ANT 1_ Vertical

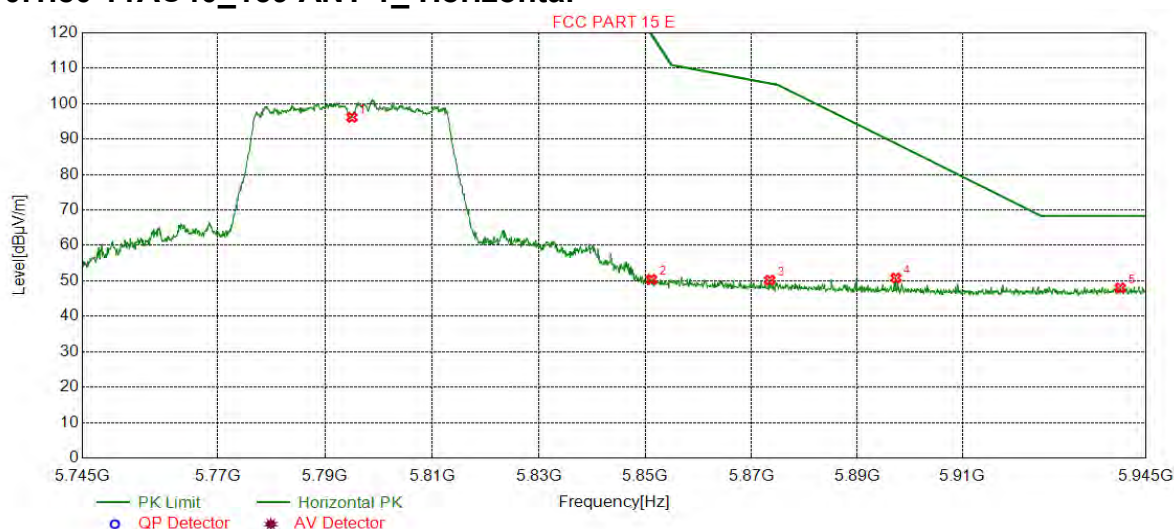


Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5795.0000	90.61	17.18	0.00	-90.61	150	24	Vertical
2	5851.0530	48.64	17.26	119.90	71.26	150	324	Vertical
3	5868.3617	47.73	17.20	107.16	59.43	150	311	Vertical
4	5896.0755	48.15	17.12	89.70	41.55	150	301	Vertical
5	5941.6983	47.69	17.75	68.30	20.61	150	343	Vertical





4.10.1.80 11AC40_159 ANT 1_ Horizontal

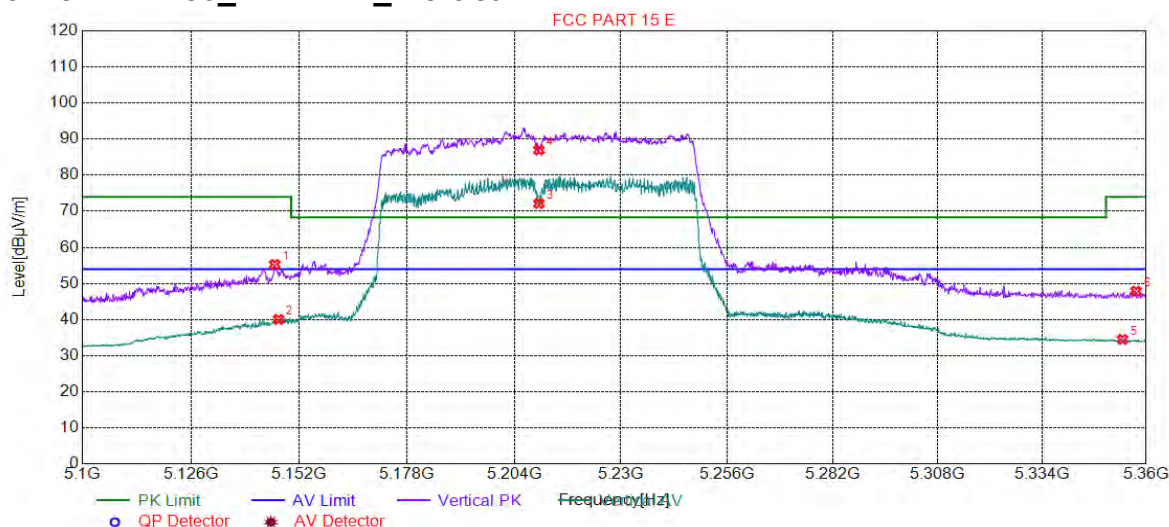


Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5795.0000	96.14	17.18	0.00	-96.14	150	225	Horizontal
2	5851.1531	50.41	17.26	119.67	69.26	150	229	Horizontal
3	5873.4642	50.20	17.19	105.73	55.53	150	225	Horizontal
4	5897.3762	50.82	17.12	88.74	37.92	150	225	Horizontal
5	5940.0975	48.01	17.73	68.30	20.29	150	67	Horizontal





4.10.1.81 11AC80_42 ANT 1_ Vertical



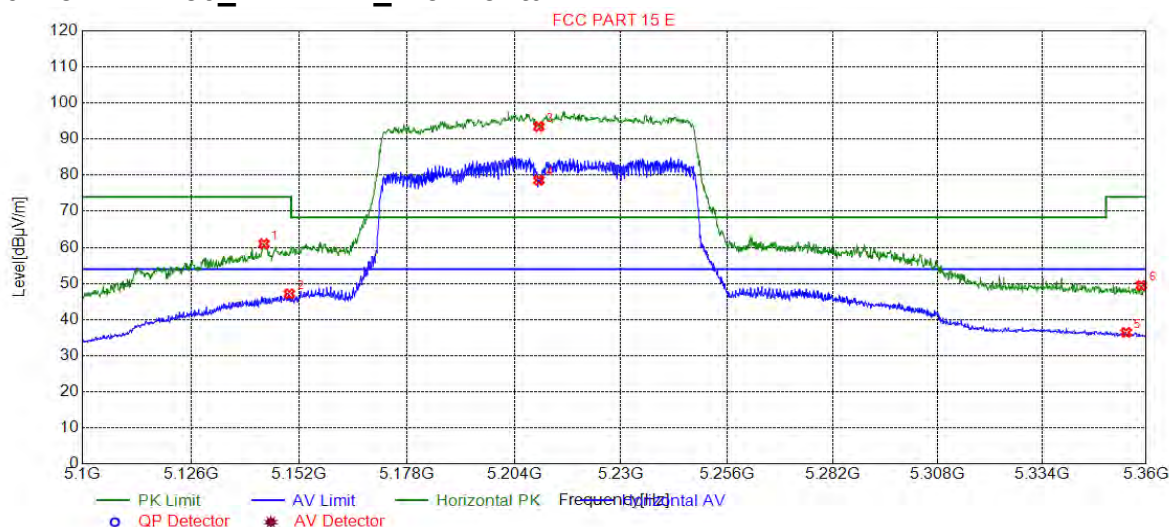
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5146.0430	55.27	15.49	74.00	18.73	100	61	Vertical
2	5146.9535	40.03	15.49	54.00	13.97	100	193	Vertical
3	5210.0000	72.15	15.56	54.00	-18.15	100	61	Vertical
4	5210.0000	86.97	15.56	68.30	-18.67	100	61	Vertical
5	5354.1471	34.50	15.97	54.00	19.50	100	68	Vertical
6	5357.5288	47.86	15.99	74.00	26.14	100	68	Vertical





4.10.1.82 11AC80_42 ANT 1_ Horizontal



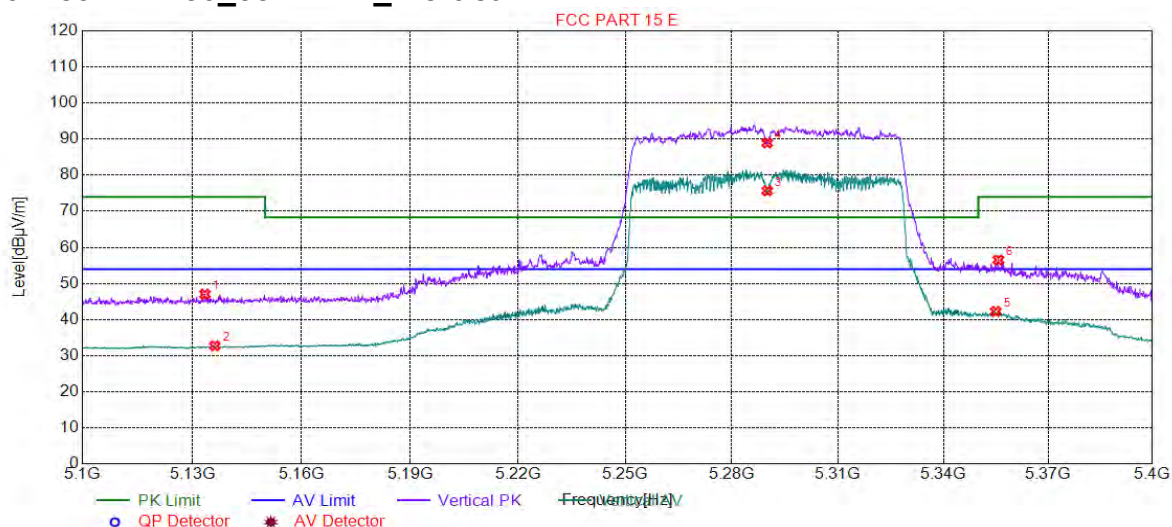
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5143.4417	60.98	15.46	74.00	13.02	100	68	Horizontal
2	5149.5548	47.13	15.52	54.00	6.87	100	68	Horizontal
3	5210.0000	93.47	15.56	68.30	-25.17	100	68	Horizontal
4	5210.0000	78.59	15.56	54.00	-24.59	100	62	Horizontal
5	5355.0575	36.44	15.97	54.00	17.56	100	234	Horizontal
6	5358.8294	49.45	15.99	74.00	24.55	100	234	Horizontal





4.10.1.83 11AC80_58 ANT 1_ Vertical

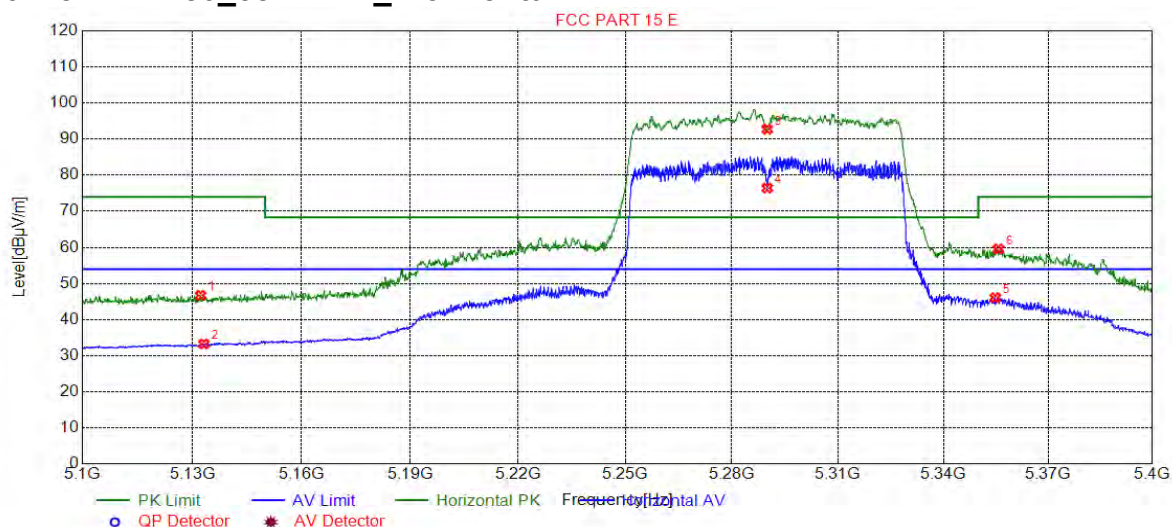


Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5133.4667	47.02	15.38	74.00	26.98	100	151	Vertical
2	5136.1681	32.72	15.40	54.00	21.28	100	191	Vertical
3	5290.0000	75.69	15.65	54.00	-21.69	100	178	Vertical
4	5290.0000	88.93	15.65	68.30	-20.63	100	60	Vertical
5	5354.9775	42.25	15.97	54.00	11.75	100	184	Vertical
6	5355.7279	56.54	15.98	74.00	17.46	100	184	Vertical





4.10.1.84 11AC80_58 ANT 1_ Horizontal

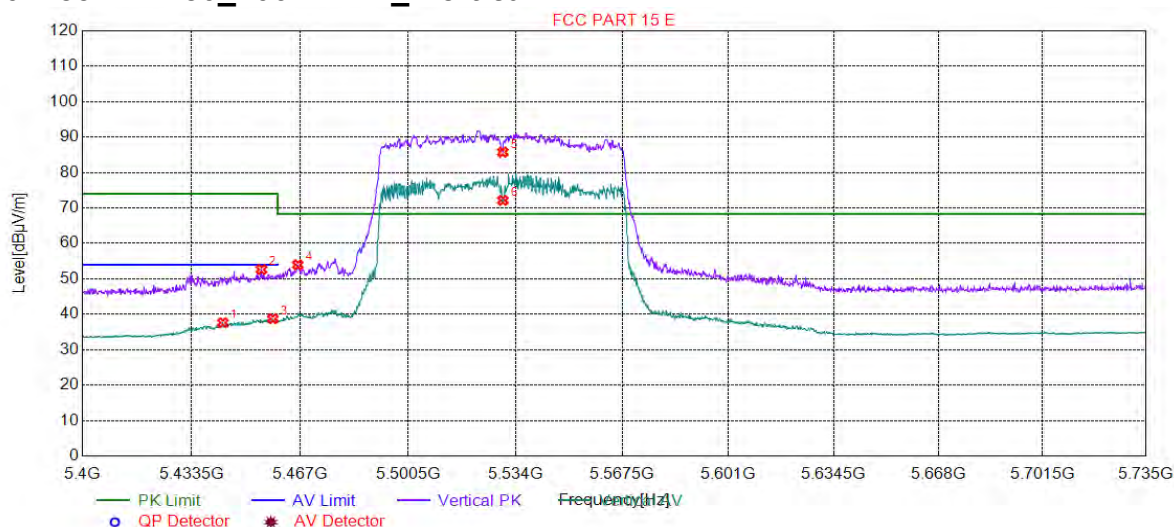


Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5132.2661	46.73	15.37	74.00	27.27	100	227	Horizontal
2	5133.1666	33.27	15.38	54.00	20.73	100	62	Horizontal
3	5290.0000	92.75	15.65	68.30	-24.45	100	56	Horizontal
4	5290.0000	76.45	15.65	54.00	-22.45	100	62	Horizontal
5	5354.8274	46.06	15.97	54.00	7.94	100	220	Horizontal
6	5355.7279	59.54	15.98	74.00	14.46	100	234	Horizontal





4.10.1.85 11AC80_106 ANT 1_ Vertical



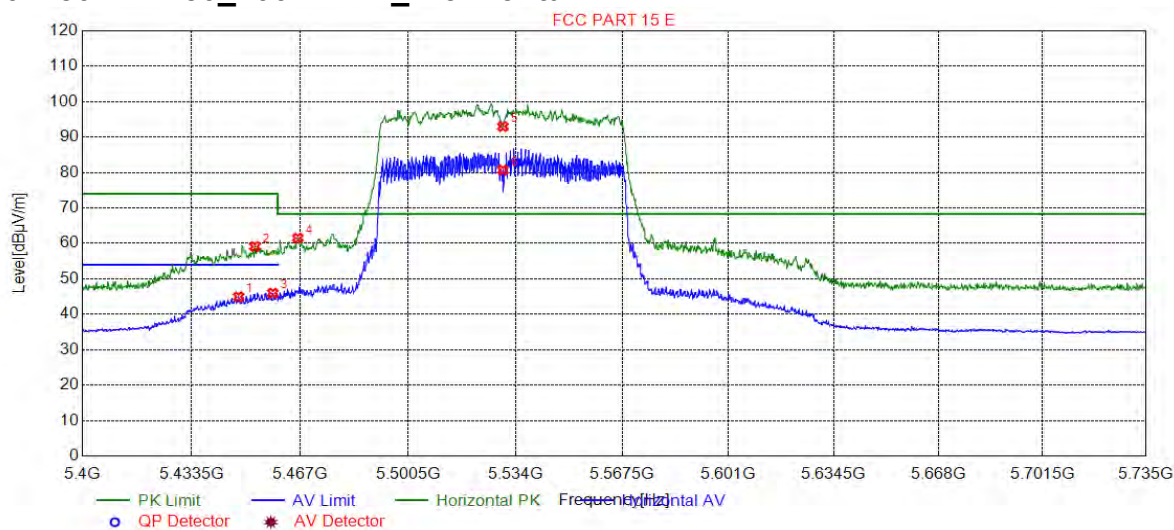
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5443.0690	37.62	16.25	54.00	16.38	150	206	Vertical
2	5454.9675	52.65	16.25	74.00	21.35	150	172	Vertical
3	5458.4867	38.75	16.25	54.00	15.25	150	213	Vertical
4	5466.1956	53.98	16.25	68.30	14.32	150	172	Vertical
5	5530.0000	85.77	16.35	68.30	-17.47	150	159	Vertical
6	5530.0000	72.14	16.35	0.00	-72.14	150	165	Vertical





4.10.1.86 11AC80_106 ANT 1_ Horizontal

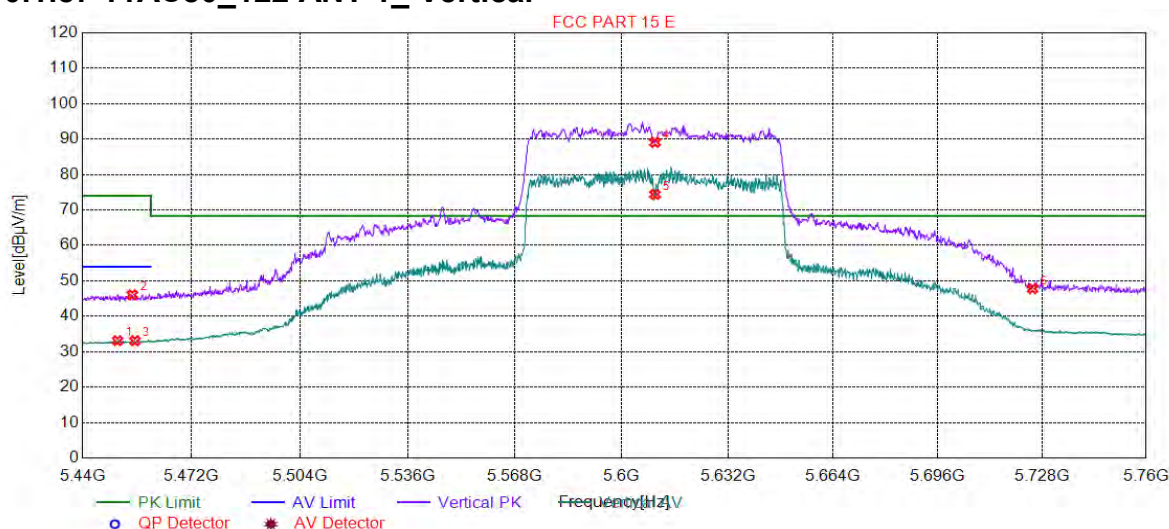


Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5447.9290	44.94	16.25	54.00	9.06	150	226	Horizontal
2	5452.9565	59.14	16.25	74.00	14.86	150	219	Horizontal
3	5458.4867	45.99	16.25	54.00	8.01	150	226	Horizontal
4	5466.1956	61.51	16.25	68.30	6.79	150	226	Horizontal
5	5530.0000	93.01	16.35	68.30	-24.71	150	226	Horizontal
6	5530.0000	80.70	16.35	0.00	-80.70	150	226	Horizontal





4.10.1.87 11AC80_122 ANT 1_ Vertical

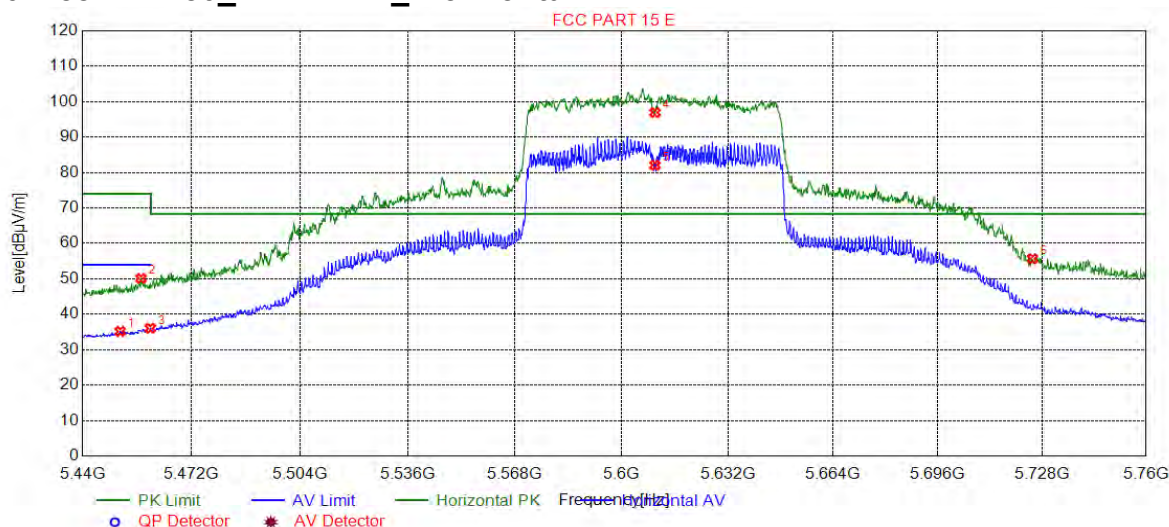


Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5450.2451	33.12	16.25	54.00	20.88	150	56	Vertical
2	5454.5673	46.07	16.25	74.00	27.93	150	50	Vertical
3	5455.3677	33.10	16.25	54.00	20.90	150	23	Vertical
4	5610.0000	89.08	16.58	68.30	-20.78	150	180	Vertical
5	5610.0000	74.38	16.58	0.00	-74.38	150	235	Vertical
6	5725.0000	47.80	16.96	68.30	20.50	150	214	Vertical





4.10.1.88 11AC80_122 ANT 1_ Horizontal



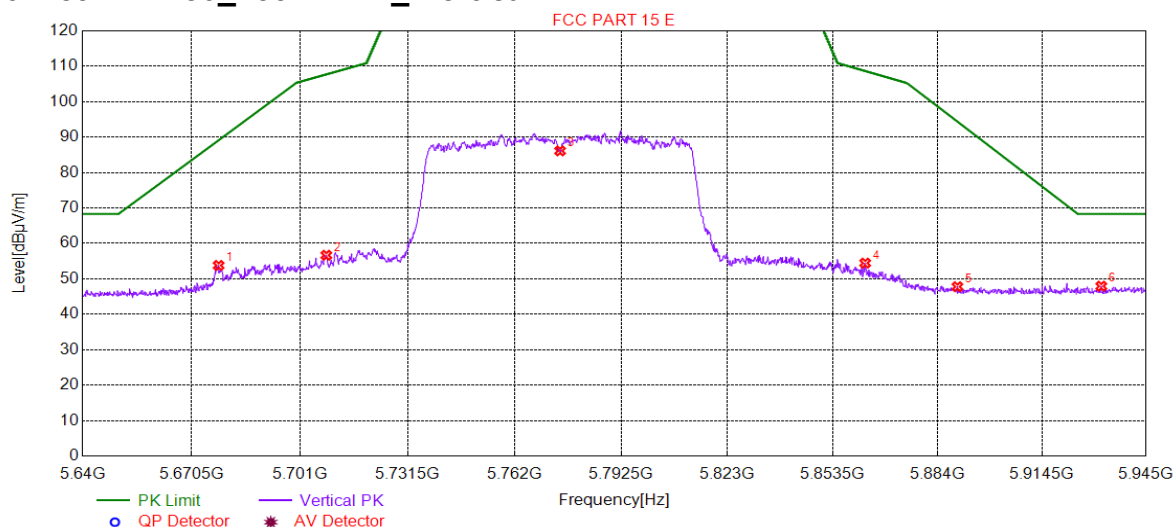
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5451.0455	35.17	16.25	54.00	18.83	150	235	Horizontal
2	5457.1286	50.12	16.25	74.00	23.88	150	235	Horizontal
3	5459.8499	36.05	16.25	54.00	17.95	150	235	Horizontal
4	5610.0000	96.92	16.58	68.30	-28.62	150	235	Horizontal
5	5610.0000	82.07	16.58	0.00	-82.07	150	84	Horizontal
6	5725.0000	55.70	16.96	68.30	12.60	150	228	Horizontal





4.10.1.89 11AC80_155 ANT 1_ Vertical



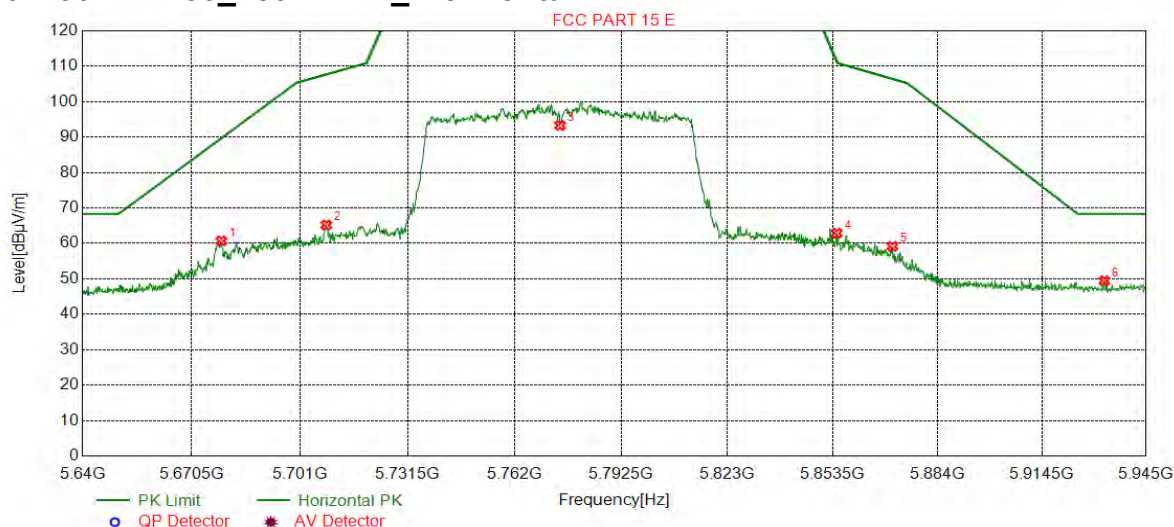
Suspected List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5678.1441	53.79	16.68	89.13	35.34	150	33	Vertical
2	5708.5068	56.66	16.85	107.68	51.02	150	20	Vertical
3	5775.0000	86.12	17.16	122.30	36.18	150	66	Vertical
4	5862.9140	54.45	17.22	108.68	54.23	150	224	Vertical
5	5889.7674	47.79	17.14	94.37	46.58	150	38	Vertical
6	5931.8784	47.94	17.60	68.30	20.36	150	57	Vertical





4.10.1.90 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	5678.9070	60.73	16.69	89.69	28.96	150	237	Horizontal
2	5708.5068	65.21	16.85	107.68	42.47	150	232	Horizontal
3	5775.0000	93.30	17.16	122.30	29.00	150	232	Horizontal
4	5854.6748	62.88	17.25	111.64	48.76	150	237	Horizontal
5	5870.8479	59.17	17.20	106.46	47.29	150	237	Horizontal
6	5932.7939	49.44	17.62	68.30	18.86	150	237	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	5320
V nom(V)	5180.006171	5320.006041
V max(V)	5180.011554	5320.007436
V min(V)	5180.019171	5320.015965
Max. Deviation Frequency	0.019171	0.015965
Max. Frequency Error (ppm)	3.700873	3.000988

4.11.2 Frequency Error vs. Temperature:

Test Conditions(°C)	Measured Frequency (MHz)	
	5180	5320
-5	5180.009874	5320.007180
5	5180.011845	5320.010418
15	5180.019404	5320.014228
25	5180.020639	5320.016921
35	5180.026613	5320.021403
45	5180.028049	5320.030257
50	5180.033040	5320.038984
Max. Deviation Frequency	0.033040	0.038984
Max. Frequency Error (ppm)	6.378455	7.327818





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.		



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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
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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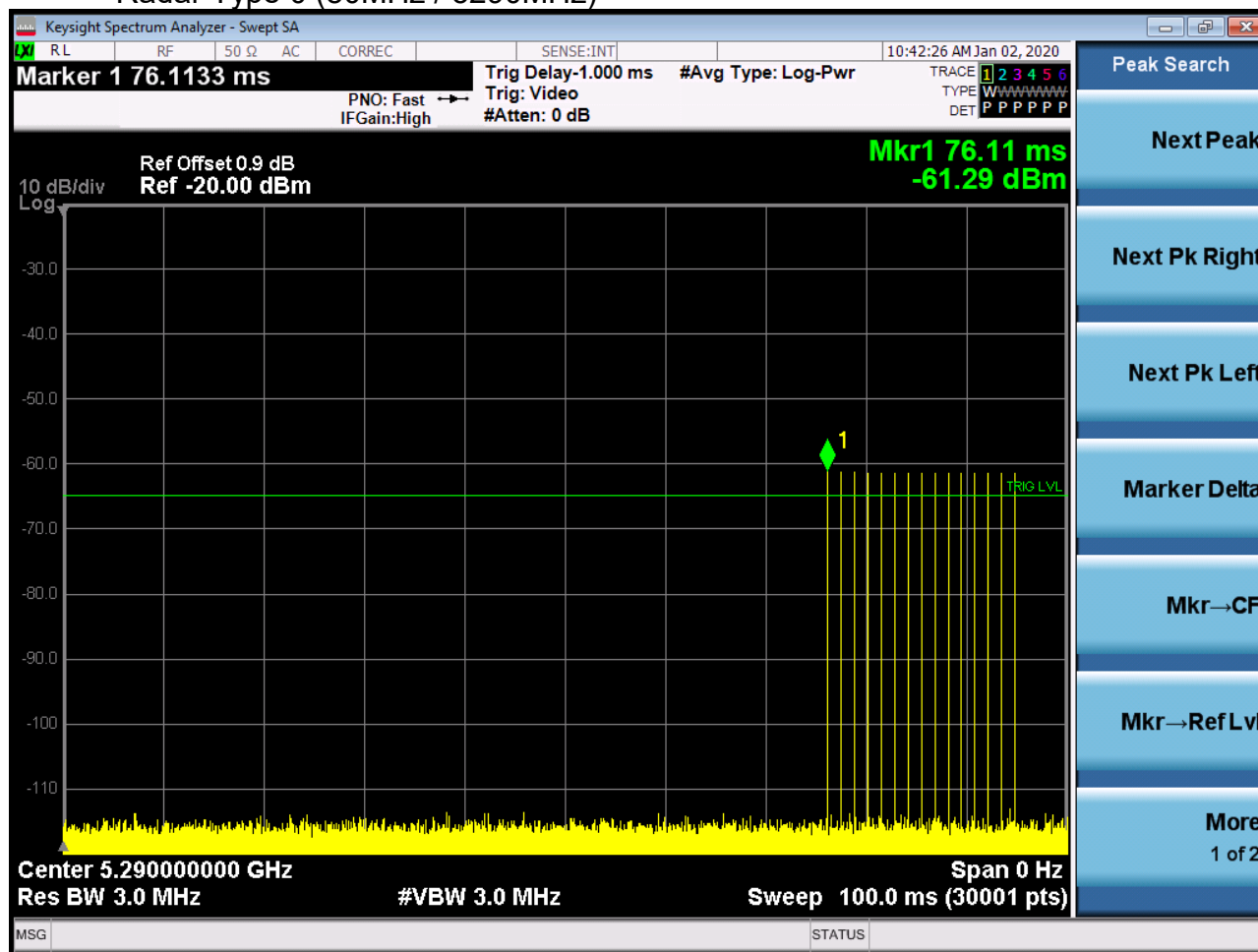


4.12.4 Test plots

Remark: Only the data of Ant.1 is recorded.

4.12.4.1 Radar Waveform Calibration Result

Radar Type 0 (80MHz / 5290MHz)

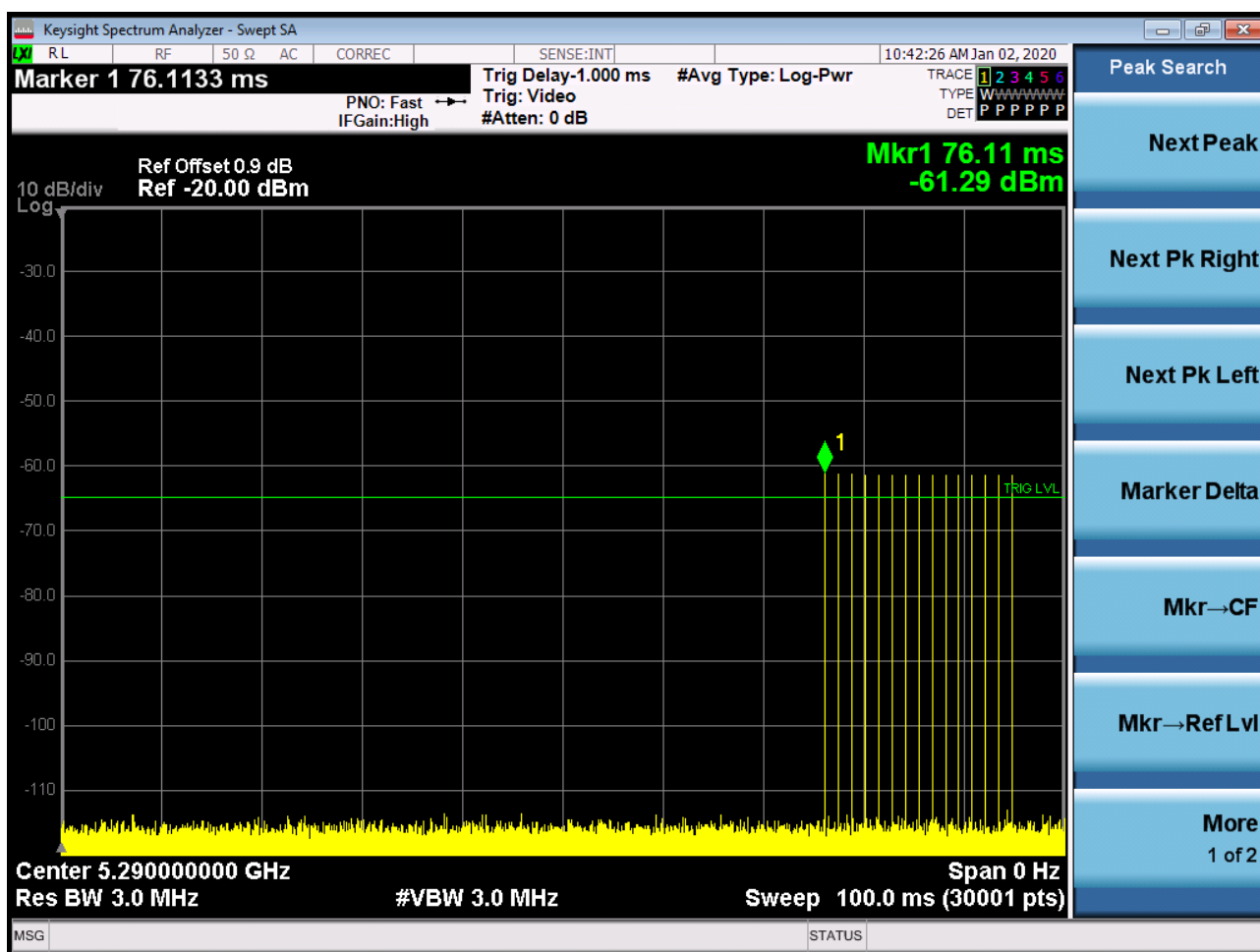


4.12.5 Test Data:

BW/Channel	Test Item	Test Result	Limit	Results
80MHz / 5290MHz	Channel Move Time	0.564s	<10s	Pass
	Channel Closing Transmission Time	5.999ms	<60ms	Pass

4.12.5.1 Test plots

4.12.5.1.1 Test Bandwidth/Channel= 80MHz / 5290MHz

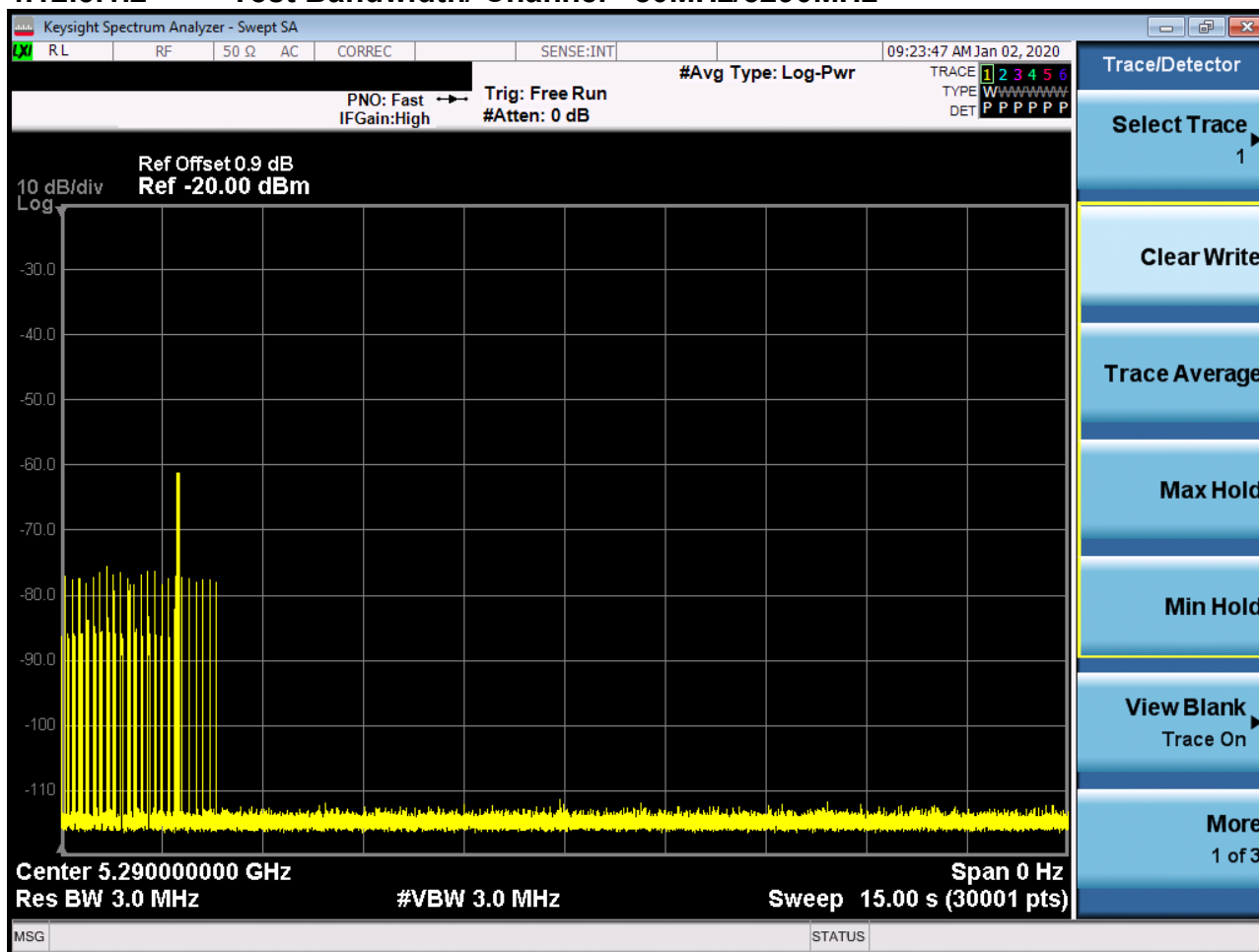


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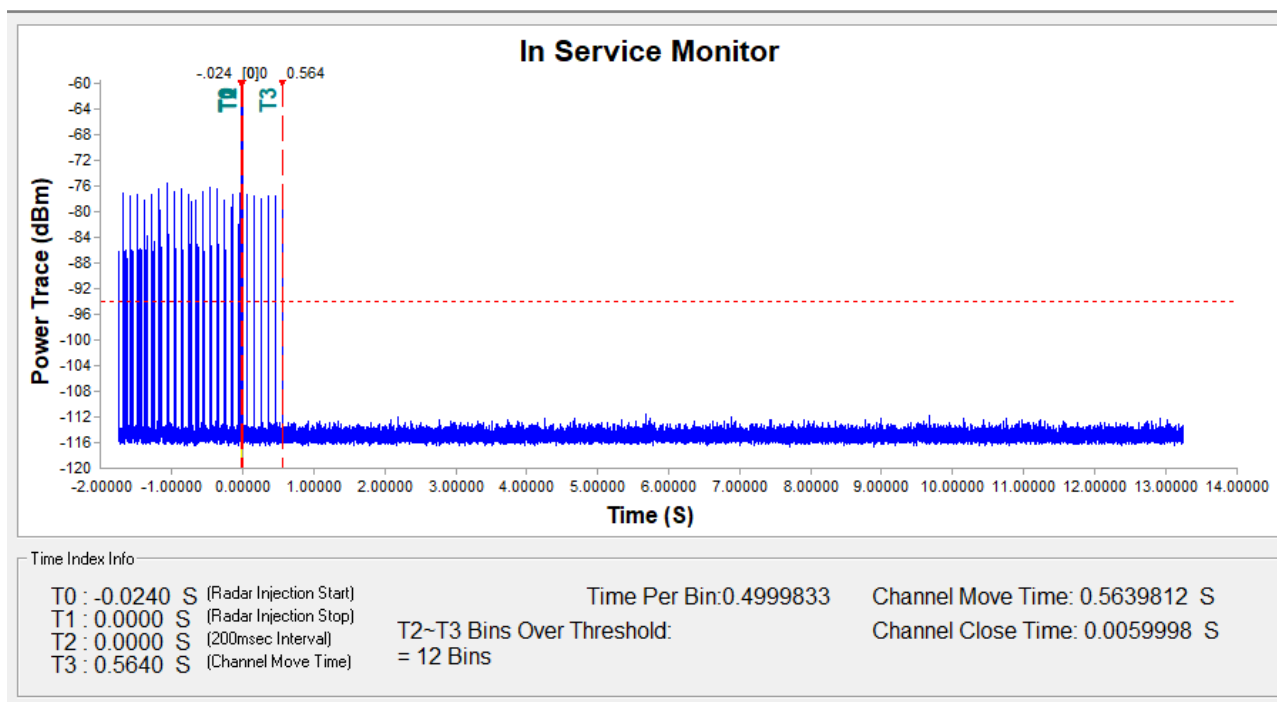
4.12.5.1.2 Test Bandwidth/ Channel =80MHz/5290MHz

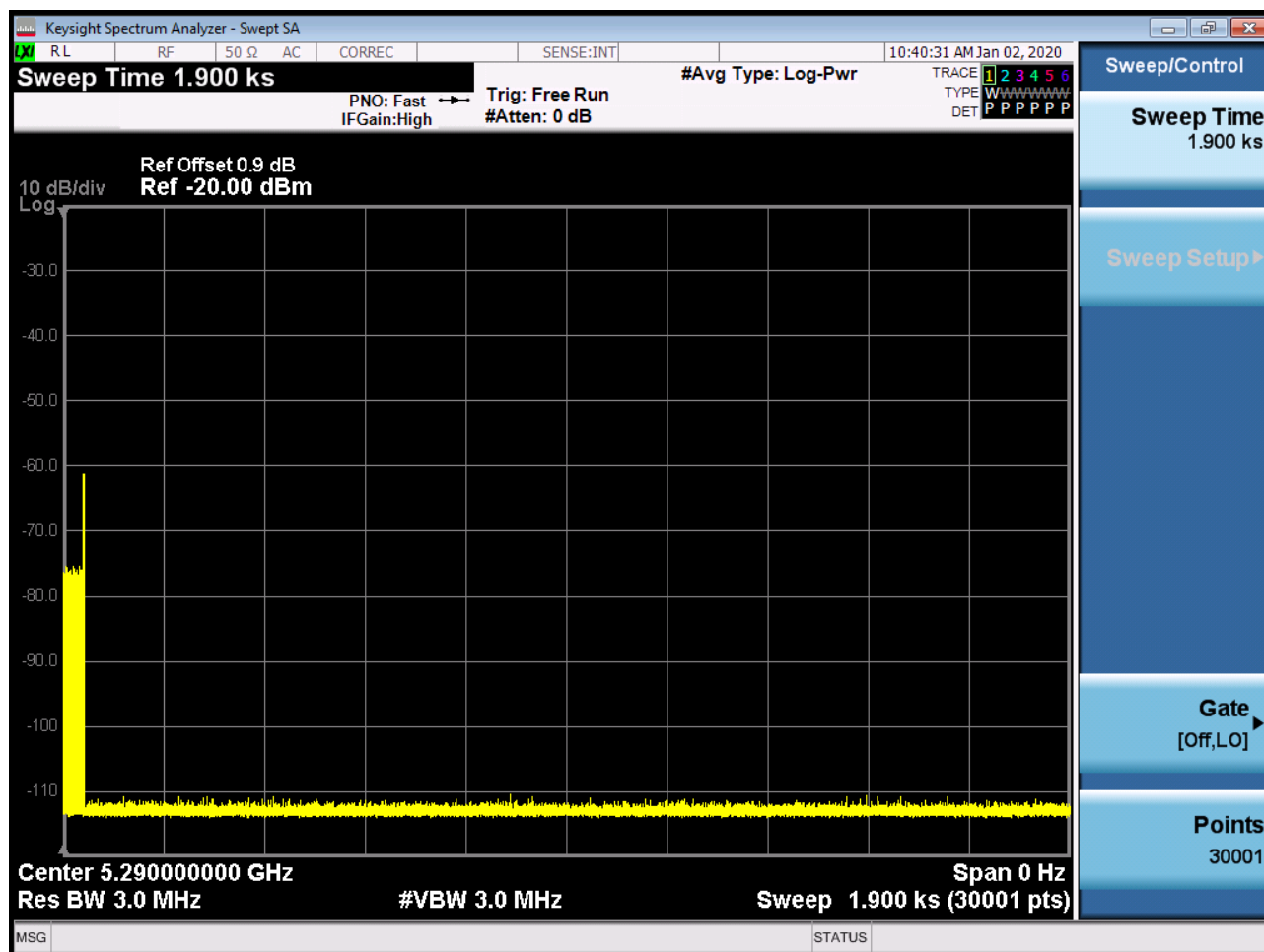


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5 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	Measurement Uncertainty
1	Total RF power, conducted	$\pm 0.75\text{dB}$
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	$\pm 0.5\%$



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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	2019/7/14	2020/7/14
LISN	ETS-LINDGREN	Feb-16	SEM007-02	2019/12/22	2020/12/21
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
8 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T8-02	EMC0120	2019/12/22	2020/12/21
4 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T4-02	EMC0121	2019/12/22	2020/12/21
2 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T2-02	EMC0122	2019/12/22	2020/12/21
EMI Test Receiver	Rohde & Schwarz	ESCI	SEM004-02	2019/12/22	2020/12/21
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	2019/7/14	2020/7/14
Signal Analyzer	Rohde & Schwarz	FSV	W025-05	2019/12/22	2020/12/21
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
Master Device	Linksys pte.Ltd	WRT32X	FCC ID:Q87-WRT3200AC M IC ID:3839A-WRT3200AC M	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	2019/6/12	2020/6/11
MXE EMI Receiver (20Hz-8.4GHz)	Agilent Technologies	N9038A	SEM004-05	2019/7/14	2020/7/14
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	2019/12/22	2020/12/21

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	2019/12/22	2020/12/21
Trilog-Broadband Antenna (25M-2GHz)	Schwarzbeck	VULB9168	SEM003-18	2019/6/12	2020/6/11
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	2019/6/12	2020/6/11

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	2019/12/22	2020/12/21
BiConiLog Antenna (26-3000MHz)	ETS-Lindgren	3142C	SEM003-01	2017/6/27	2020/6/26
Horn Antenna (800MHz-18GHz)	Rohde & Schwarz	HF907	SEM003-07	2018/4/13	2021/4/12
Horn Antenna (15-40GHz)	Schwarzbeck	BBHA 9170	SEM003-15	2017/10/17	2020/10/16
Amplifier(0.1-1300MHz)	HP	8447D	SEM005-02	2019/7/14	2020/7/14
Low Noise Amplifier (100MHz-18GHz)	Black Diamond Series	BDLNA-0118-352810	SEM005-05	2019/7/14	2020/7/14
Pre-Amplifier(0.1-26.5GHz)	Compliance Directions Systems Inc.	PAP-0126	EMC2063	2019/10/20	2020/10/19
Pre-amplifier(26-40GHz)	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2019/12/22	2020/12/21
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	2019/6/12	2020/6/11



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7 Photographs

Refer to Appendix A - Photographs of Set-Up for ZR/2019/C0026.

The End

