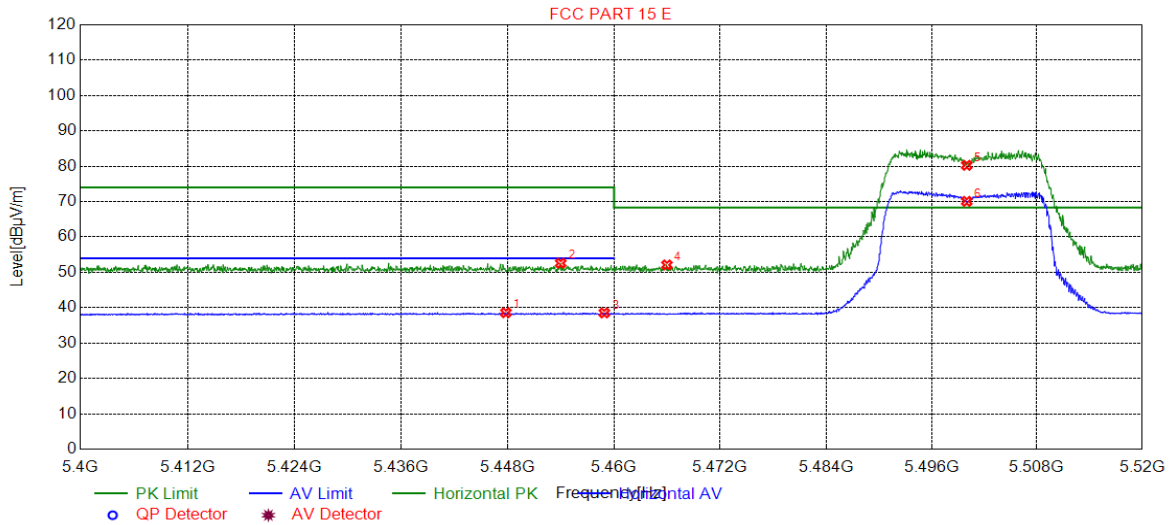


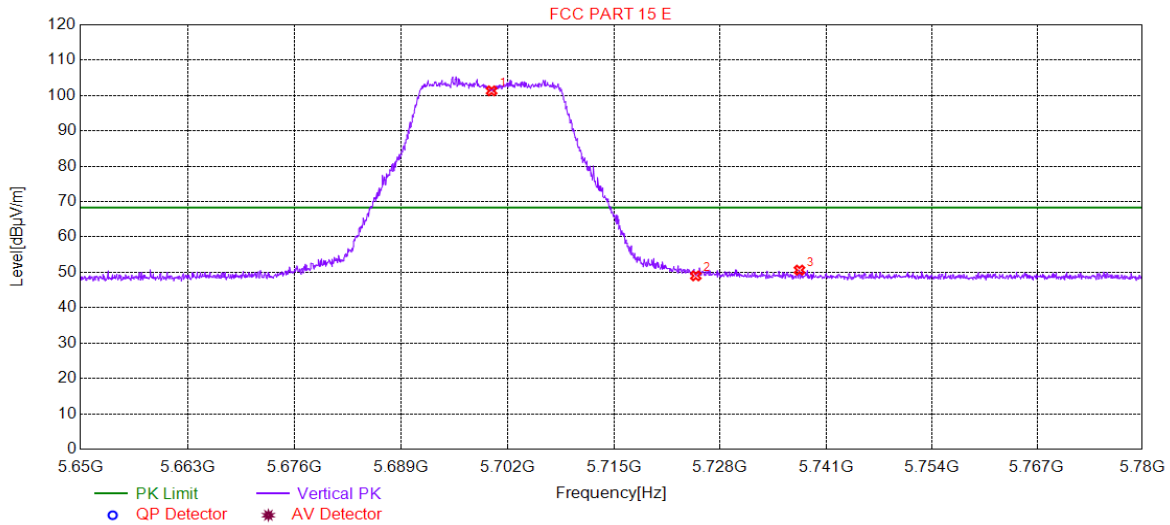
4.4.1.26 11N20_MIMO_100 _ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5447.7839	38.60	8.02	54.00	15.40	150	23	Horizontal
2	5453.9670	52.58	8.03	74.00	21.42	150	289	Horizontal
3	5458.8894	38.53	8.03	54.00	15.47	150	292	Horizontal
4	5465.9730	52.10	8.05	68.30	16.20	150	339	Horizontal
5	5500.0000	80.27	8.10	68.30	-11.97	150	262	Horizontal
6	5500.0000	70.08	8.10	0.00	-70.08	150	266	Horizontal



4.4.1.27 11N20_MIMO_140_Verical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5700.0000	101.31	8.51	68.30	-33.01	150	217	Vertical
2	5725.0000	49.01	8.57	68.30	19.29	150	225	Vertical
3	5737.7289	50.64	8.60	68.30	17.66	150	207	Vertical

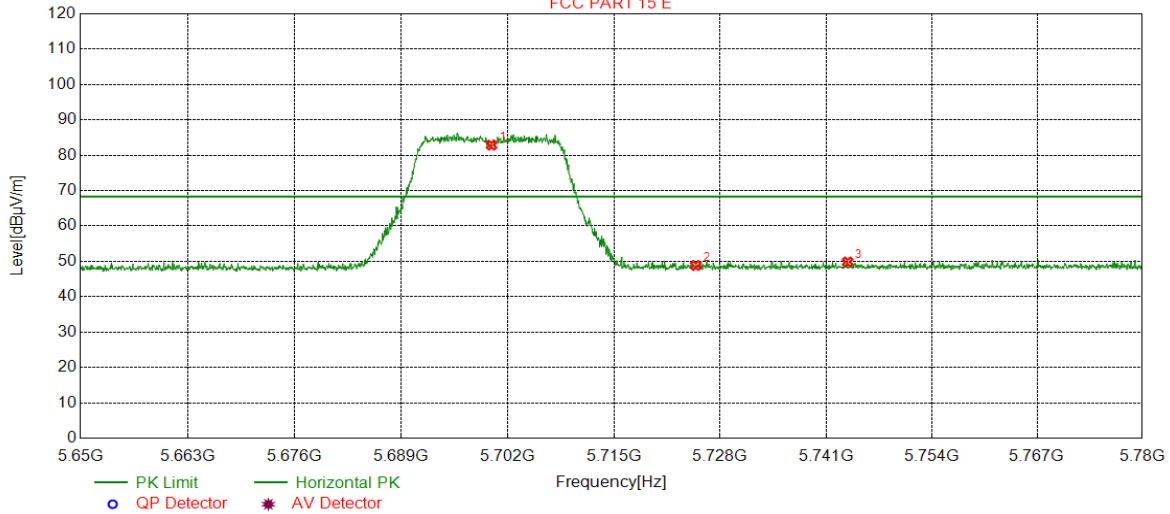


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4.4.1.28 11N20_MIMO_140 _ Horizontal

FCC PART 15 E



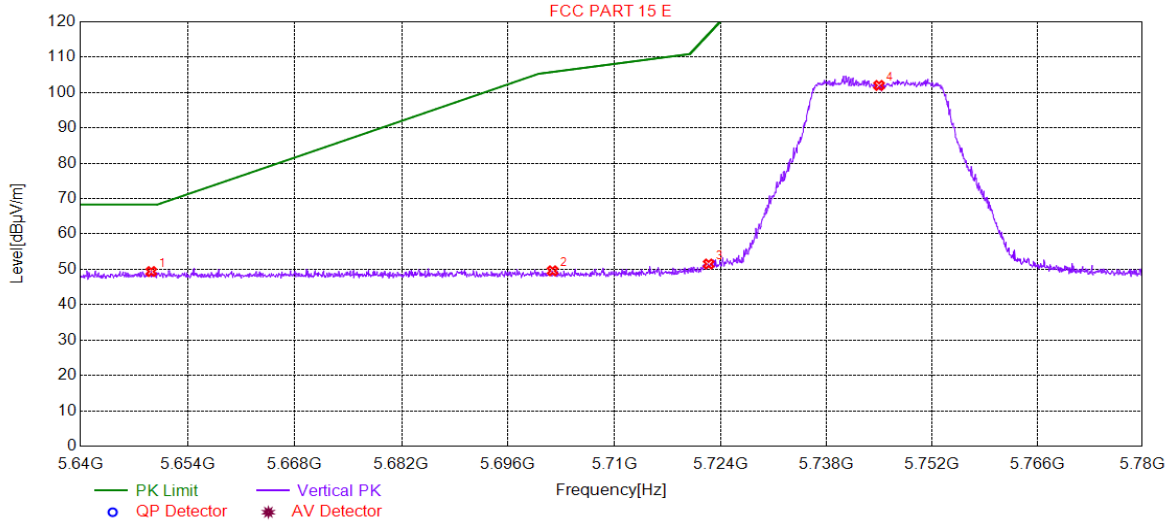
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5700.0000	82.85	8.51	68.30	-14.55	150	165	Horizontal
2	5725.0000	48.83	8.57	68.30	19.47	150	248	Horizontal
3	5743.6468	49.82	8.61	68.30	18.48	150	344	Horizontal



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4.4.1.29 11N20_MIMO_149_Vertical



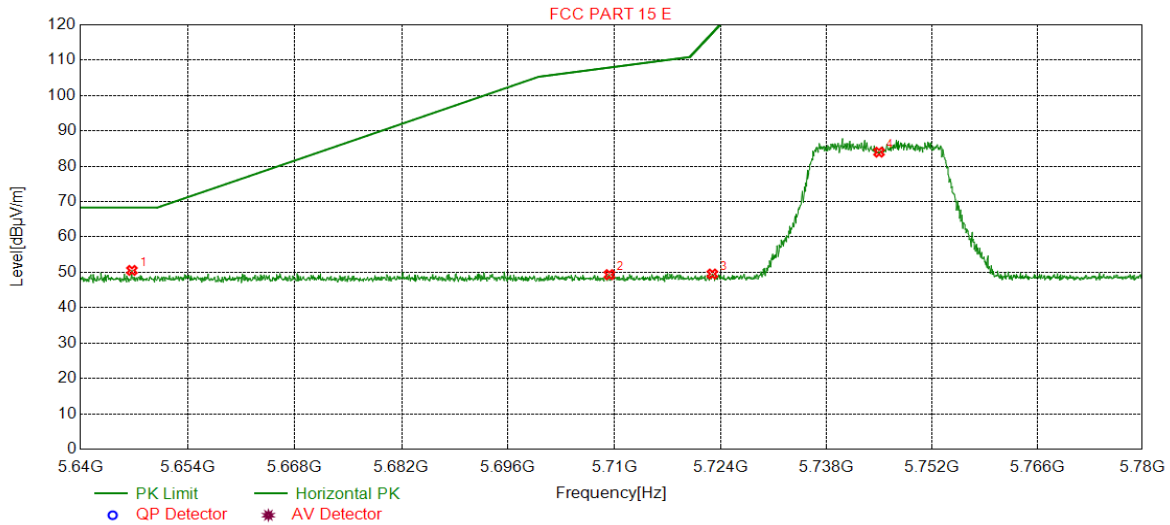
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5649.2446	49.38	8.43	68.30	18.92	150	227	Vertical
2	5701.8409	49.58	8.51	105.82	56.24	150	16	Vertical
3	5722.4312	51.51	8.56	116.44	64.93	150	216	Vertical
4	5745.0000	102.00	8.61	0.00	-102.00	150	206	Vertical



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4.4.1.30 11N20_MIMO_149 _ Horizontal



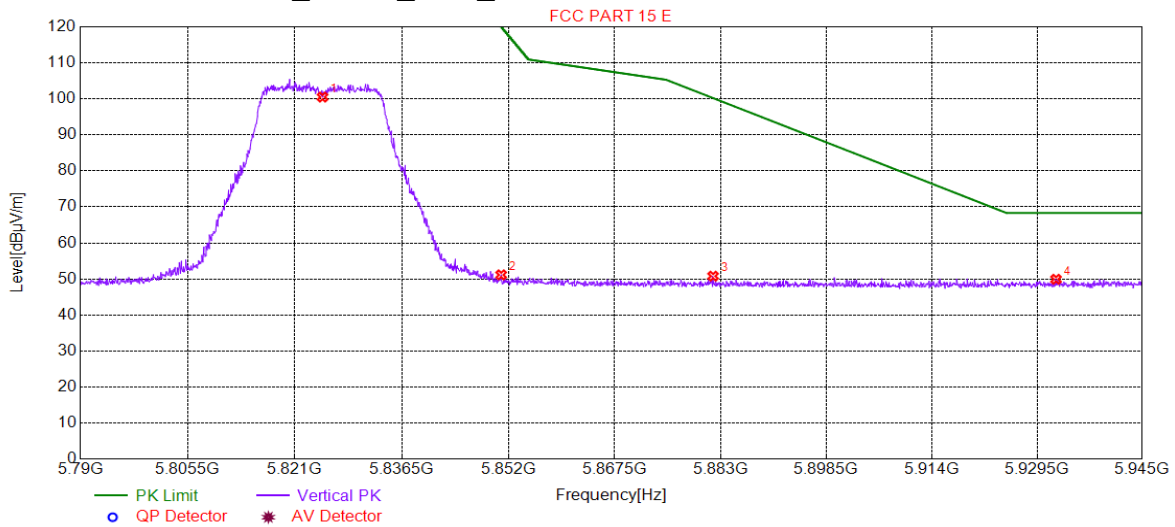
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5646.7234	50.55	8.42	68.30	17.75	150	284	Horizontal
2	5709.3347	49.36	8.53	107.91	58.55	150	344	Horizontal
3	5722.9215	49.54	8.56	117.56	68.02	150	17	Horizontal
4	5745.0000	83.98	8.61	0.00	-83.98	150	166	Horizontal



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4.4.1.31 11N20_MIMO_165_Verical



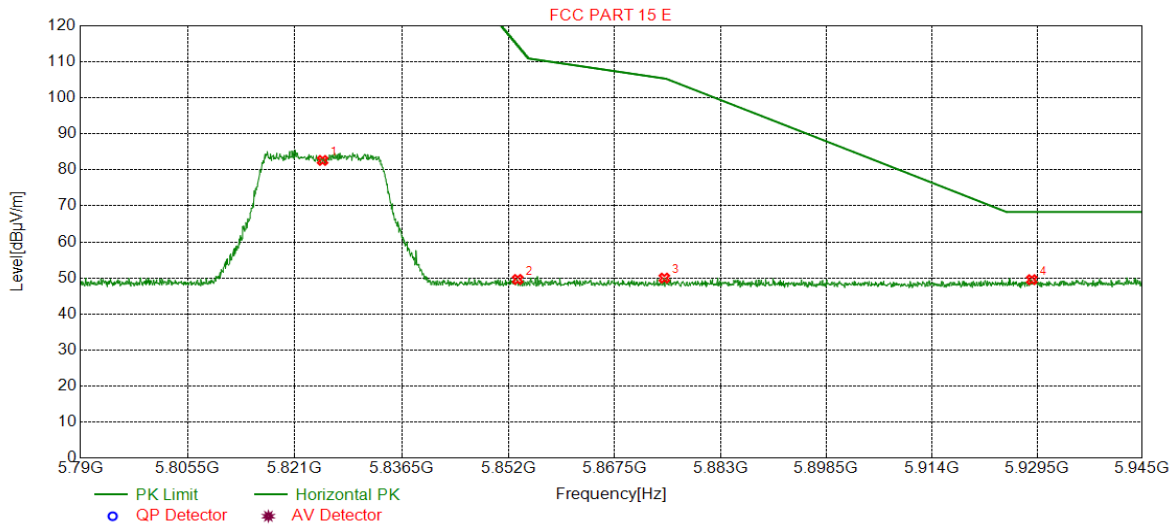
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5825.0000	100.49	8.82	0.00	-100.49	150	223	Vertical
2	5850.9455	51.14	8.89	120.14	69.00	150	202	Vertical
3	5881.8834	50.78	8.99	100.21	49.43	150	208	Vertical
4	5932.2836	49.92	9.14	68.30	18.38	150	16	Vertical



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4.4.1.32 11N20_MIMO_165_Horizontal



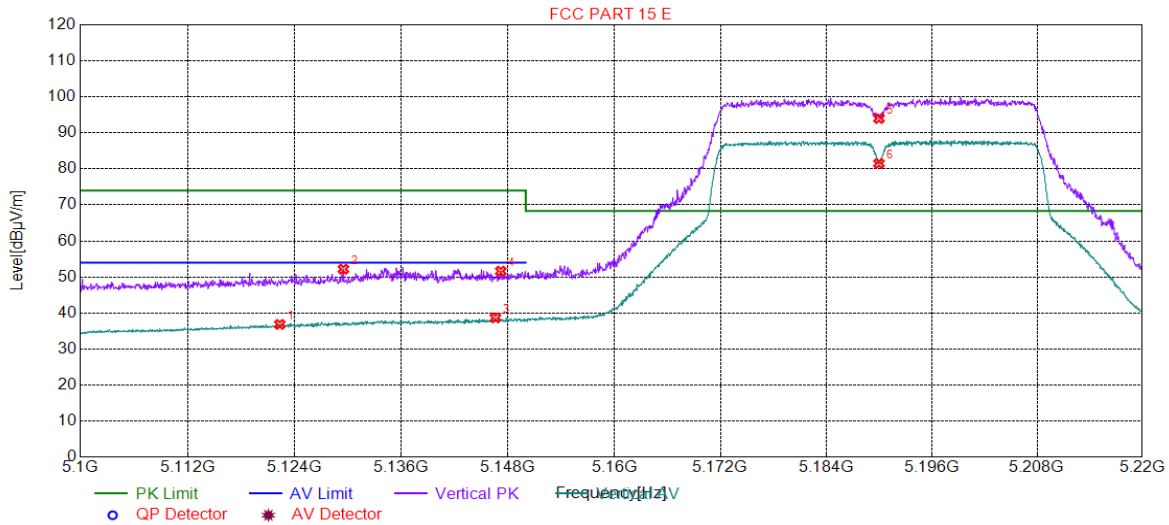
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5825.0000	82.63	8.82	0.00	-82.63	150	228	Horizontal
2	5853.3492	49.59	8.90	114.66	65.07	150	95	Horizontal
3	5874.7499	49.97	8.96	105.37	55.40	150	291	Horizontal
4	5928.7169	49.53	9.13	68.30	18.77	150	10	Horizontal



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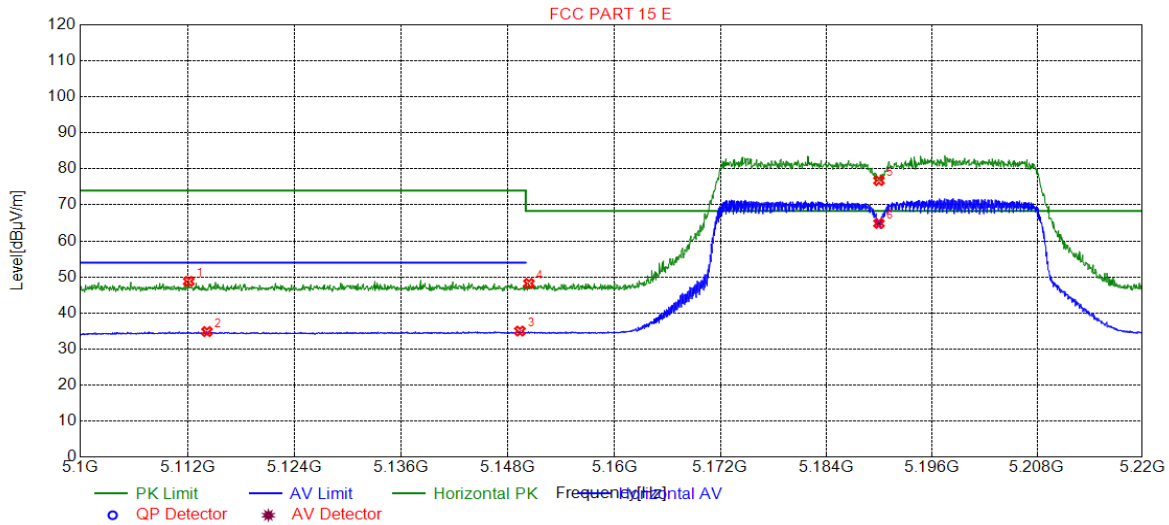
4.4.1.33 11N40_MIMO_38_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5122.3312	36.83	7.51	54.00	17.17	150	231	Vertical
2	5129.4747	52.16	7.52	74.00	21.84	150	237	Vertical
3	5146.5833	38.65	7.55	54.00	15.35	150	231	Vertical
4	5147.1836	51.62	7.55	74.00	22.38	150	231	Vertical
5	5190.0000	94.00	7.62	68.30	-25.70	150	198	Vertical
6	5190.0000	81.50	7.62	0.00	-81.50	150	237	Vertical



4.4.1.34 11N40_MIMO_38_Horizontal



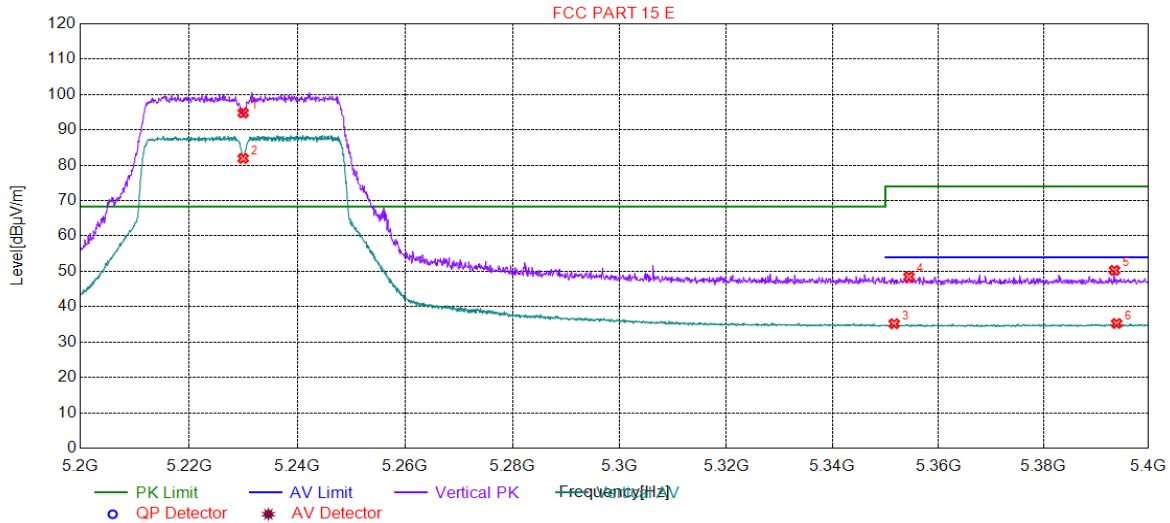
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5112.1261	48.78	7.49	74.00	25.22	150	254	Horizontal
2	5114.1671	34.84	7.49	54.00	19.16	150	317	Horizontal
3	5149.3447	34.99	7.55	54.00	19.01	150	273	Horizontal
4	5150.3652	48.21	7.56	68.30	20.09	150	128	Horizontal
5	5190.0000	76.75	7.62	68.30	-8.45	150	159	Horizontal
6	5190.0000	64.87	7.62	0.00	-64.87	150	228	Horizontal



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4.4.1.35 11N40_MIMO_46_Vertical



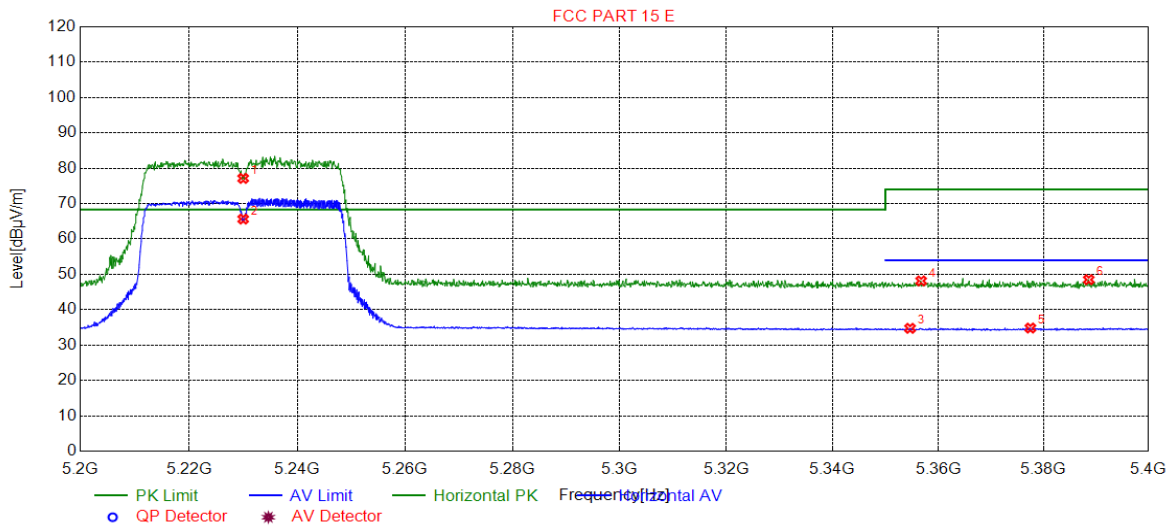
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5230.0000	94.81	7.67	68.30	-26.51	150	183	Vertical
2	5230.0000	81.94	7.67	0.00	-81.94	150	209	Vertical
3	5351.6758	35.19	7.84	54.00	18.81	150	209	Vertical
4	5354.4772	48.47	7.85	74.00	25.53	150	291	Vertical
5	5393.4967	50.27	7.93	74.00	23.73	150	81	Vertical
6	5393.8969	35.26	7.93	54.00	18.74	150	25	Vertical



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4.4.1.36 11N40_MIMO_46_Horizontal

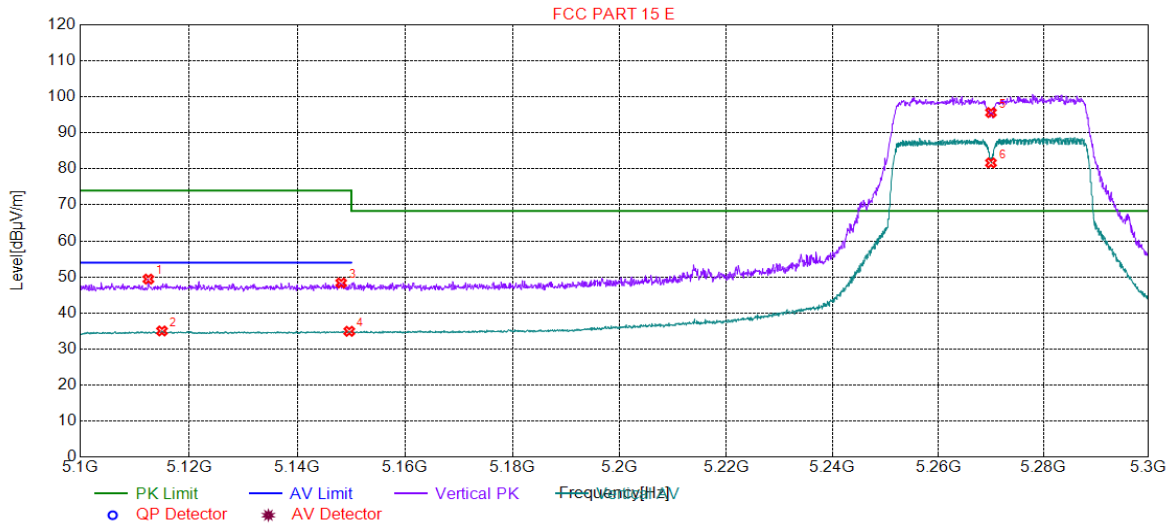


Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5230.0000	77.14	7.67	68.30	-8.84	150	317	Horizontal
2	5230.0000	65.63	7.67	0.00	-65.63	150	222	Horizontal
3	5354.6773	34.74	7.85	54.00	19.26	150	83	Horizontal
4	5356.7784	48.15	7.85	74.00	25.85	150	159	Horizontal
5	5377.4887	34.82	7.89	54.00	19.18	150	235	Horizontal
6	5388.5943	48.50	7.92	74.00	25.50	150	45	Horizontal



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4.4.1.37 11N40_MIMO_54_Vertical

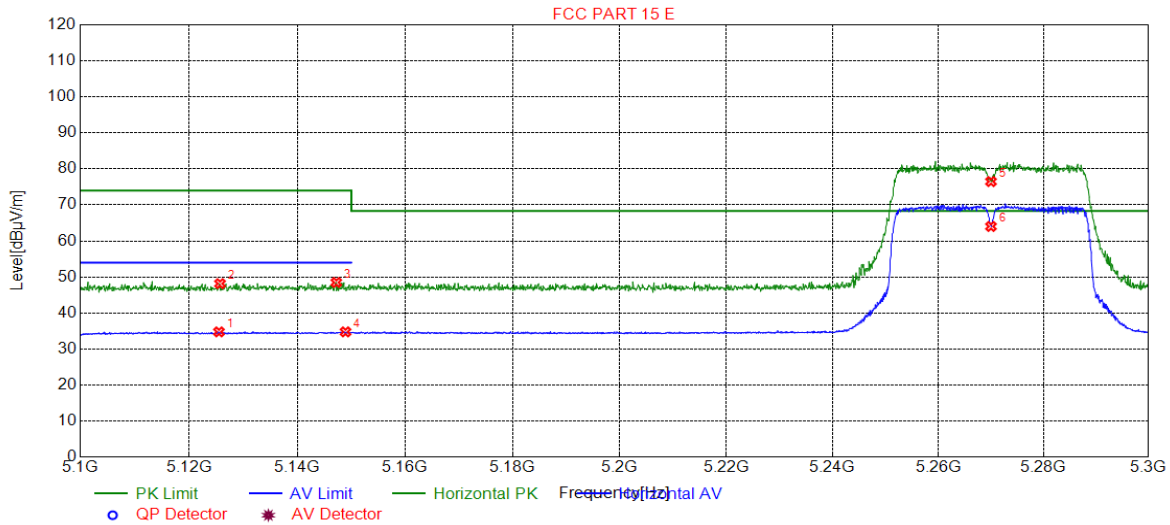


Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5112.5063	49.41	7.49	74.00	24.59	150	184	Vertical
2	5115.0075	35.01	7.50	54.00	18.99	150	197	Vertical
3	5148.1241	48.33	7.55	74.00	25.67	150	50	Vertical
4	5149.6248	34.92	7.55	54.00	19.08	150	204	Vertical
5	5270.0000	95.63	7.71	68.30	-27.33	150	210	Vertical
6	5270.0000	81.66	7.71	0.00	-81.66	150	235	Vertical



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4.4.1.38 11N40_MIMO_54_Horizontal



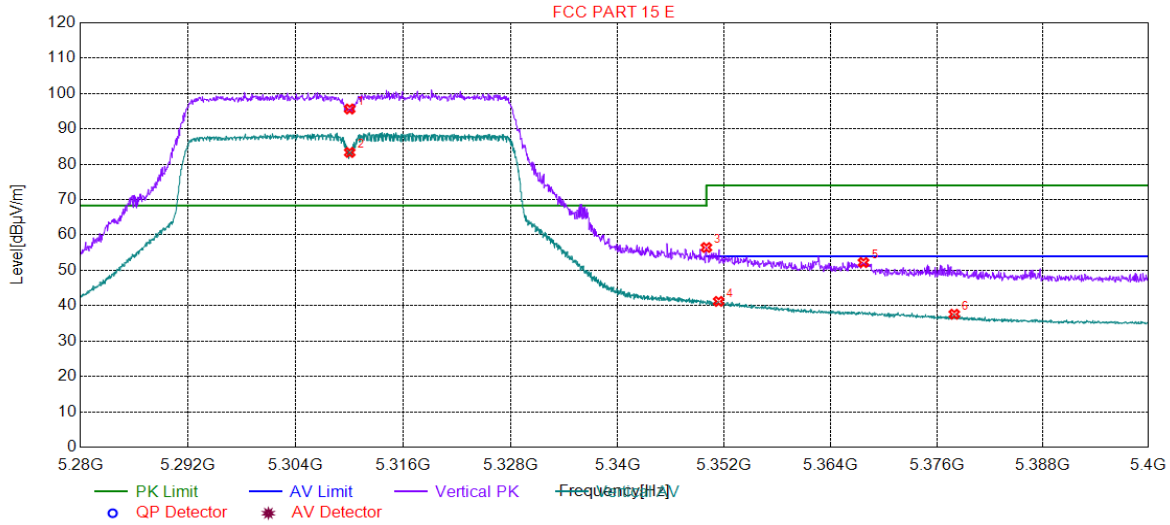
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5125.5128	34.76	7.51	54.00	19.24	150	106	Horizontal
2	5125.7129	48.15	7.51	74.00	25.85	150	106	Horizontal
3	5147.2236	48.47	7.55	74.00	25.53	150	120	Horizontal
4	5148.9245	34.76	7.55	54.00	19.24	150	126	Horizontal
5	5270.0000	76.48	7.71	68.30	-8.18	150	342	Horizontal
6	5270.0000	64.02	7.71	0.00	-64.02	150	164	Horizontal



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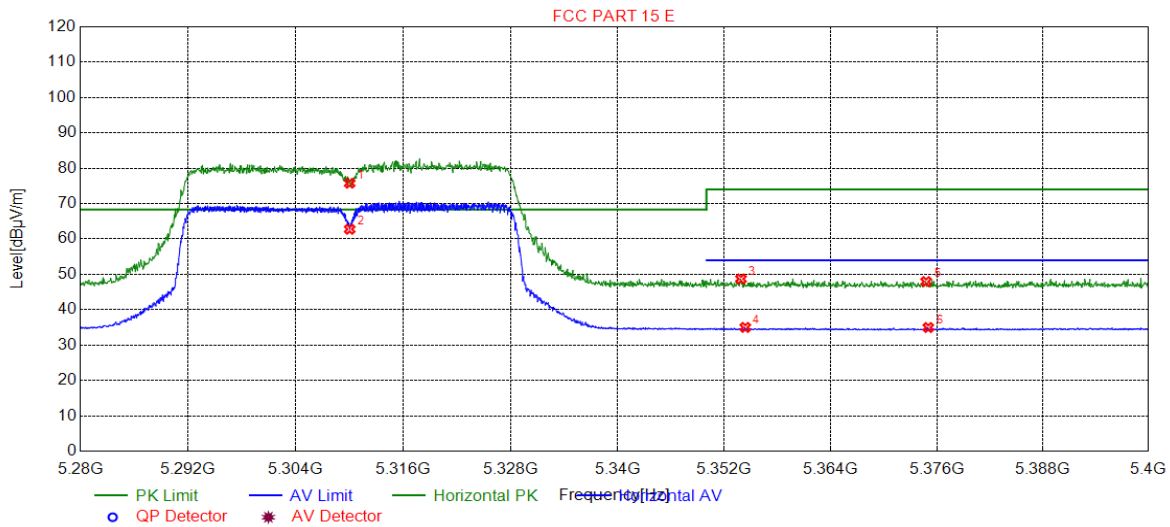
4.4.1.39 11N40_MIMO_62_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5310.0000	95.63	7.76	68.30	-27.33	150	212	Vertical
2	5310.0000	83.34	7.76	0.00	-83.34	150	205	Vertical
3	5349.9950	56.45	7.84	68.30	11.85	150	212	Vertical
4	5351.3757	41.23	7.84	54.00	12.77	150	200	Vertical
5	5367.7039	52.21	7.88	74.00	21.79	150	212	Vertical
6	5377.9690	37.60	7.90	54.00	16.40	150	200	Vertical



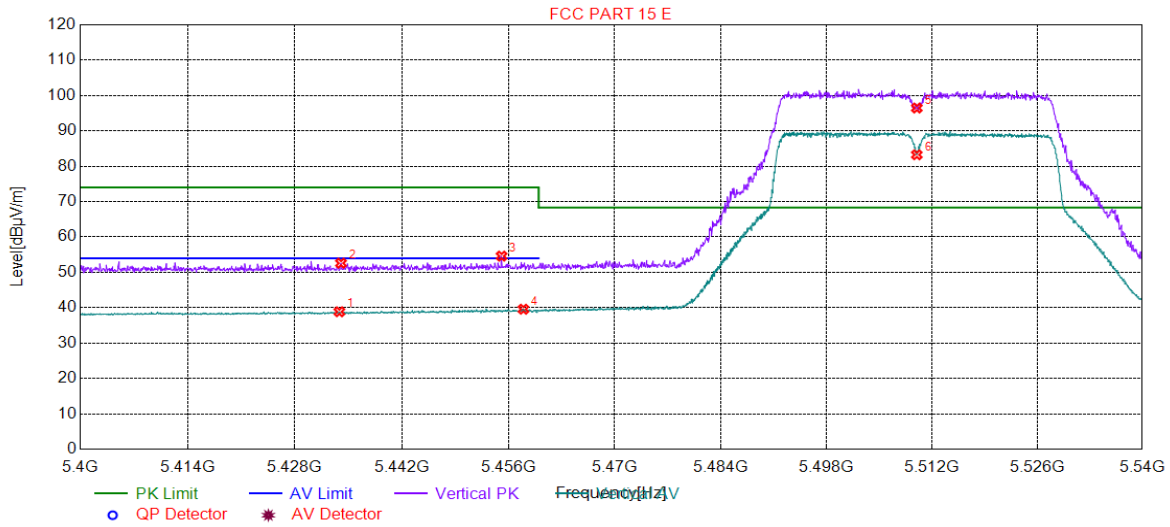
4.4.1.40 11N40_MIMO_62_Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5310.0000	75.77	7.76	68.30	-7.47	150	228	Horizontal
2	5310.0000	62.76	7.76	0.00	-62.76	150	297	Horizontal
3	5353.8969	48.70	7.85	74.00	25.30	150	159	Horizontal
4	5354.3772	35.00	7.85	54.00	19.00	150	222	Horizontal
5	5374.7874	47.95	7.89	74.00	26.05	150	239	Horizontal
6	5375.0275	34.97	7.89	54.00	19.03	150	147	Horizontal



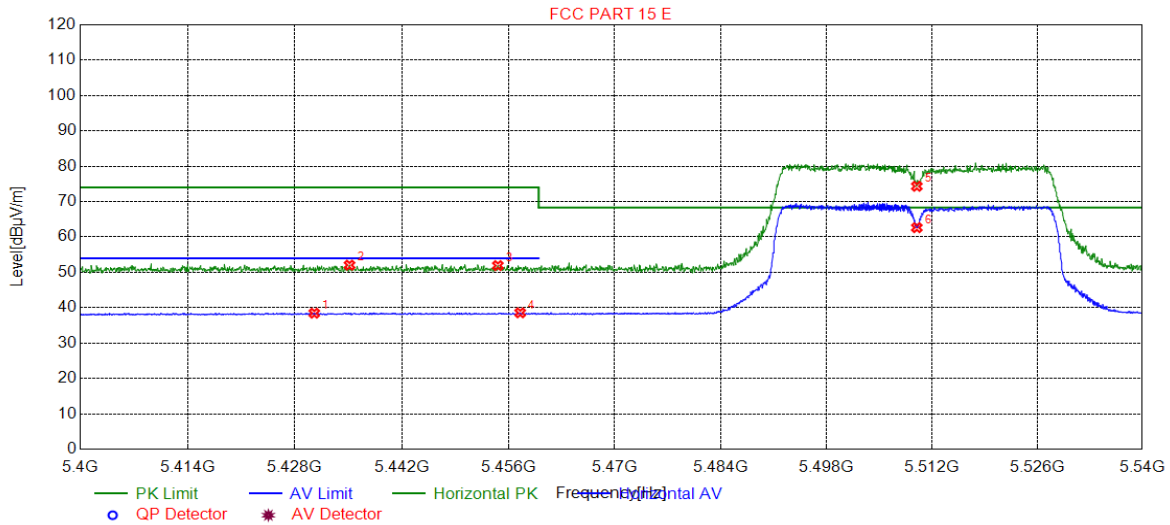
4.4.1.41 11N40_MIMO_102_Verical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5433.8269	38.86	7.99	54.00	15.14	150	14	Vertical
2	5434.0370	52.59	7.99	74.00	21.41	150	214	Vertical
3	5455.1176	54.59	8.03	74.00	19.41	150	214	Vertical
4	5457.9890	39.58	8.03	54.00	14.42	150	199	Vertical
5	5510.0000	96.47	8.13	68.30	-28.17	150	203	Vertical
6	5510.0000	83.24	8.13	0.00	-83.24	150	207	Vertical



4.4.1.42 11N40_MIMO_102_Horizontal

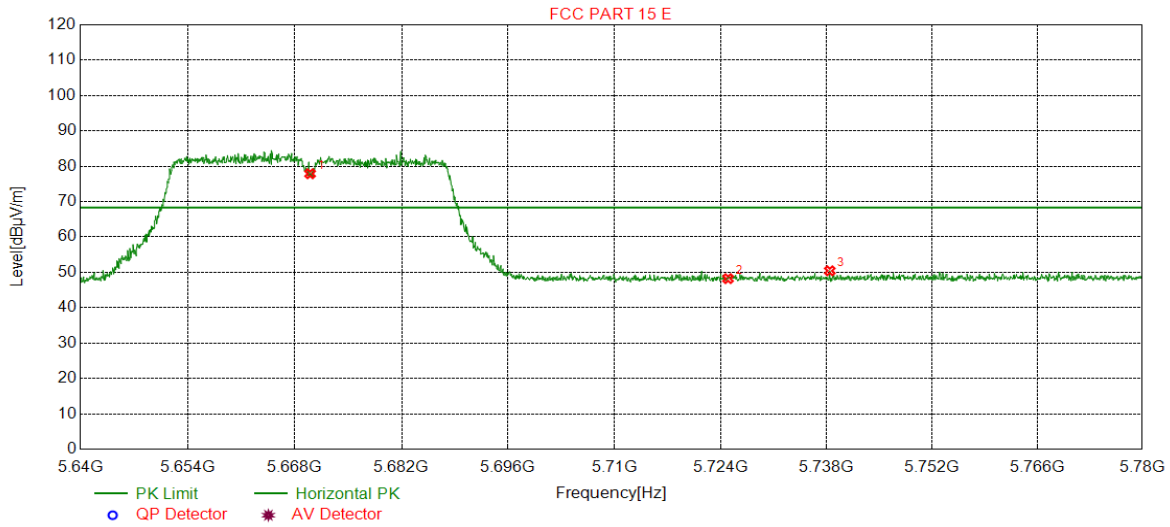


Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5430.5353	38.45	7.99	54.00	15.55	150	106	Horizontal
2	5435.1576	52.04	8.00	74.00	21.96	150	152	Horizontal
3	5454.6273	51.91	8.03	74.00	22.09	150	133	Horizontal
4	5457.5688	38.56	8.03	54.00	15.44	150	103	Horizontal
5	5510.0000	74.33	8.13	68.30	-6.03	150	84	Horizontal
6	5510.0000	62.64	8.13	0.00	-62.64	150	261	Horizontal



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4.4.1.43 11N40_MIMO_134_Verical

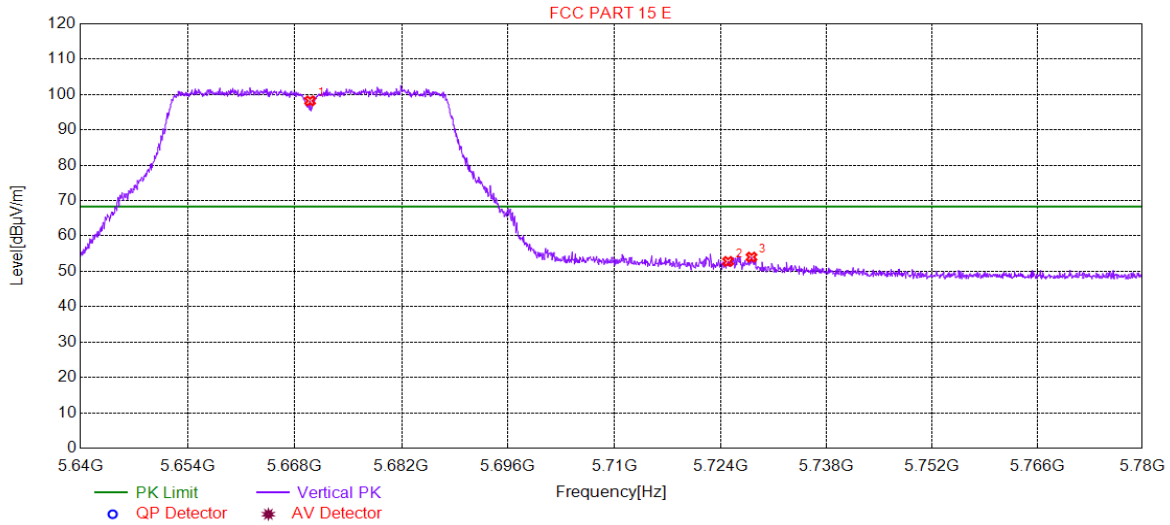


Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5670.0000	77.89	8.46	68.30	-9.59	150	129	Horizontal
2	5725.0000	48.23	8.57	68.30	20.07	150	76	Horizontal
3	5738.4692	50.44	8.60	68.30	17.86	150	304	Horizontal



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4.4.1.44 11N40_MIMO_134 _ Horizontal



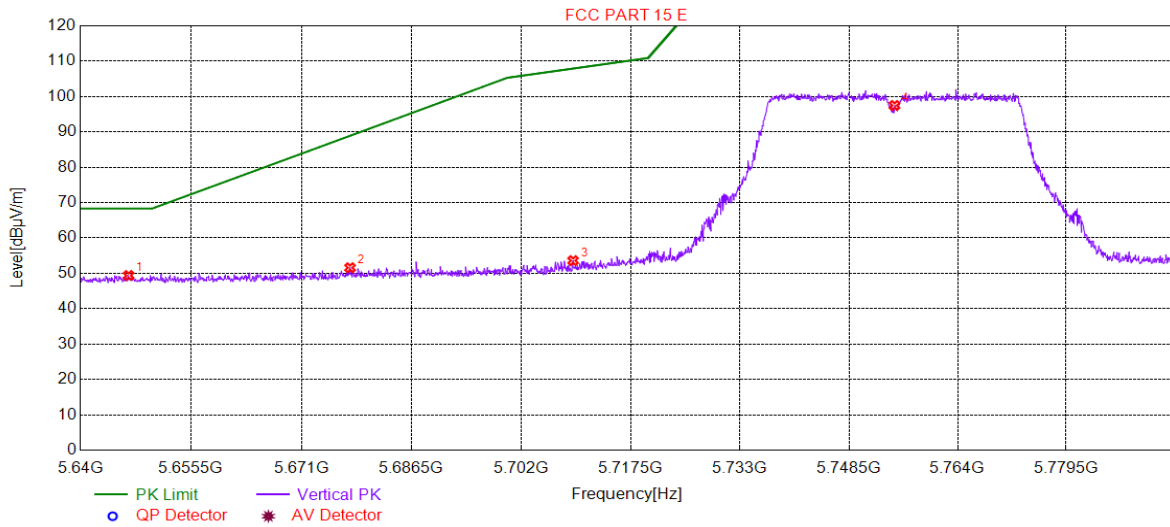
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5670.0000	98.20	8.46	68.30	-29.90	150	219	Vertical
2	5725.0000	52.81	8.57	68.30	15.49	150	224	Vertical
3	5728.1041	54.03	8.57	68.30	14.27	150	243	Vertical



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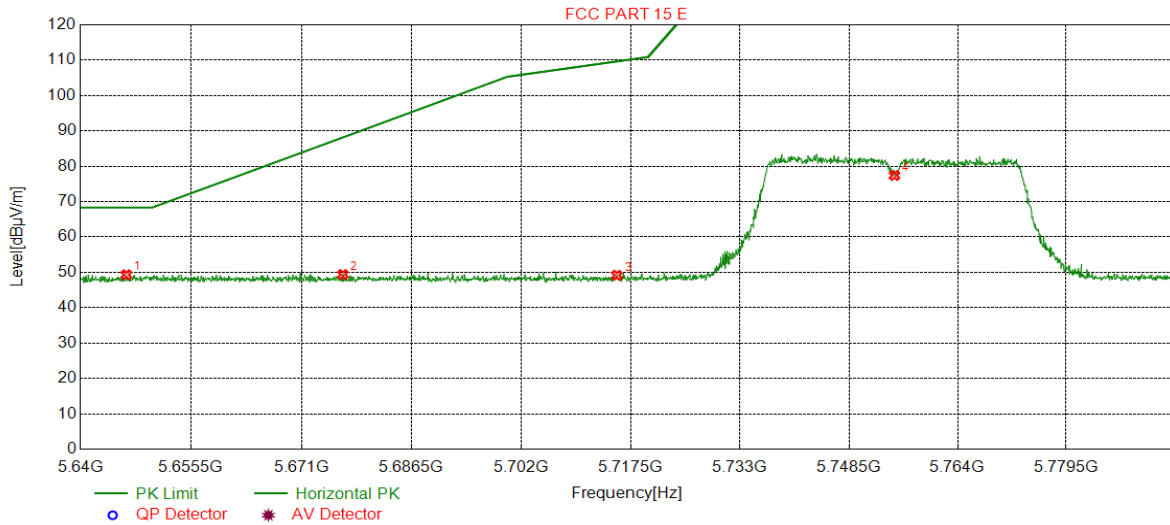
4.4.1.45 11N40_MIMO_151_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5646.7459	49.39	8.42	68.30	18.91	150	18	Vertical
2	5677.8389	51.59	8.47	88.90	37.31	150	215	Vertical
3	5709.3197	53.61	8.53	107.91	54.30	150	205	Vertical
4	5755.0000	97.47	8.64	0.00	-97.47	150	215	Vertical



4.4.1.46 11N40_MIMO_151 _ Horizontal



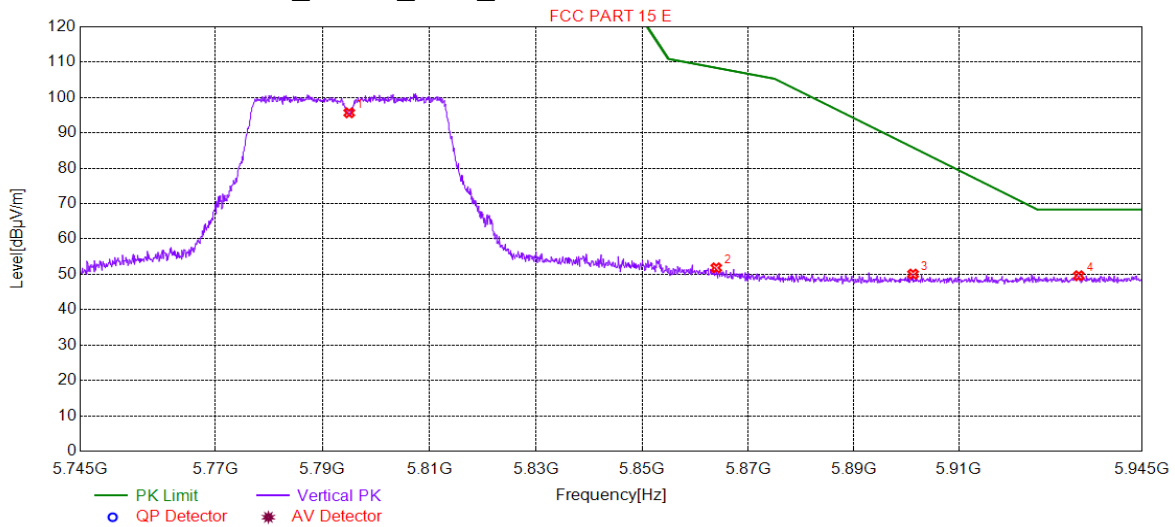
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5646.4357	49.33	8.42	68.30	18.97	150	8	Horizontal
2	5676.8309	49.39	8.47	88.15	38.76	150	207	Horizontal
3	5715.5228	49.17	8.55	109.65	60.48	150	0	Horizontal
4	5755.0000	77.39	8.64	0.00	-77.39	150	174	Horizontal



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4.4.1.47 11N40_MIMO_159_Verical



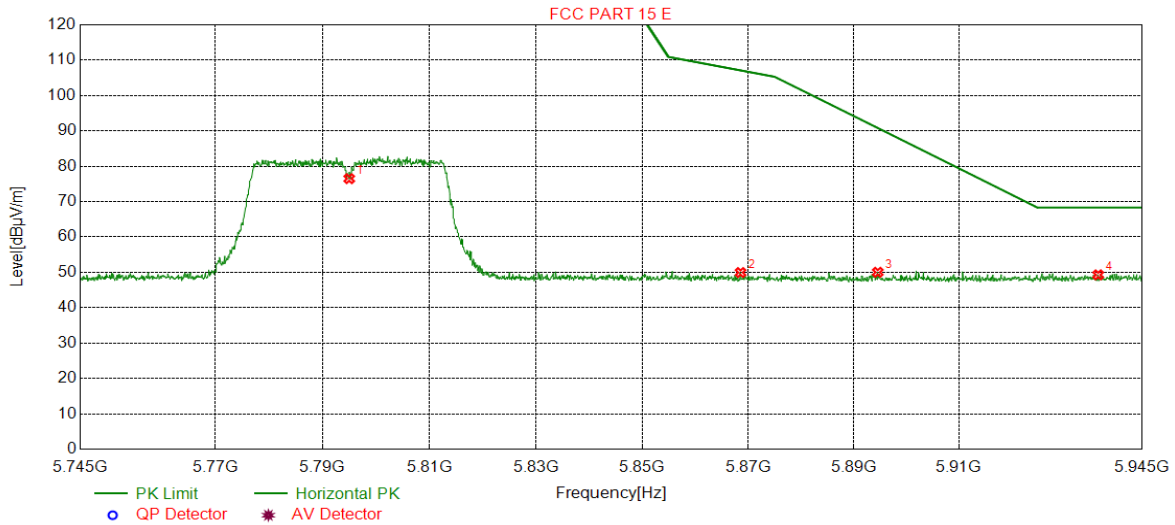
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5795.0000	95.68	8.73	0.00	-95.68	150	207	Vertical
2	5863.9595	51.84	8.93	108.39	56.55	150	240	Vertical
3	5901.2781	50.08	9.04	85.85	35.77	150	18	Vertical
4	5932.8939	49.61	9.14	68.30	18.69	150	216	Vertical



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4.4.1.48 11N40_MIMO_159_Horizontal



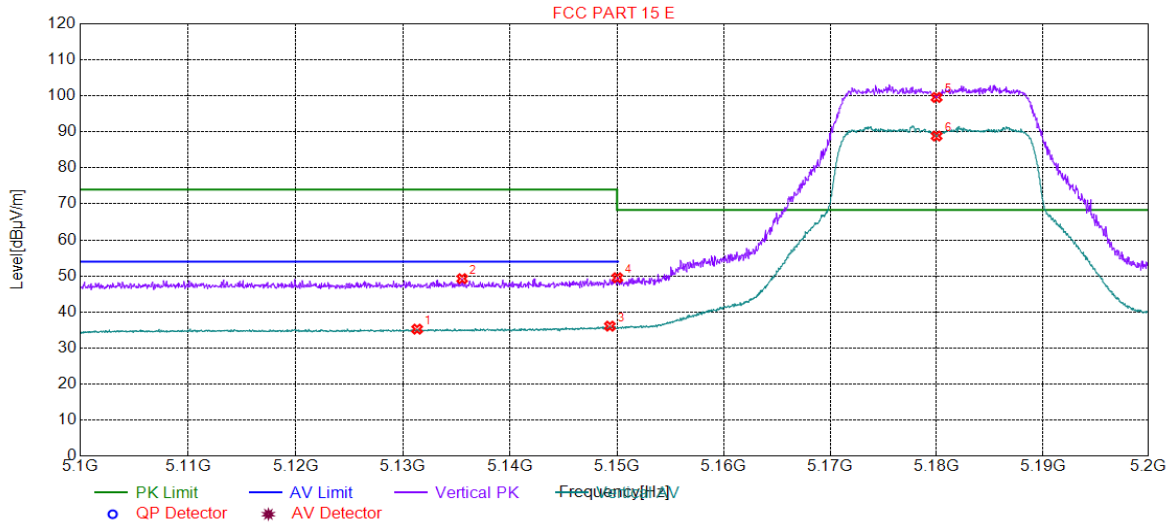
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5795.0000	76.49	8.73	0.00	-76.49	150	167	Horizontal
2	5868.5618	49.95	8.95	107.10	57.15	150	38	Horizontal
3	5894.5748	50.03	9.02	90.81	40.78	150	327	Horizontal
4	5936.5958	49.30	9.15	68.30	19.00	150	87	Horizontal



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4.4.1.49 11AC20_MIMO_36_Verical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5131.3157	35.24	7.52	54.00	18.76	150	176	Vertical
2	5135.5178	49.26	7.53	74.00	24.74	150	263	Vertical
3	5149.3247	36.07	7.55	54.00	17.93	150	229	Vertical
4	5150.0250	49.51	7.56	68.30	18.79	150	236	Vertical
5	5180.0000	99.55	7.61	68.30	-31.25	150	203	Vertical
6	5180.0000	88.84	7.61	0.00	-88.84	150	229	Vertical

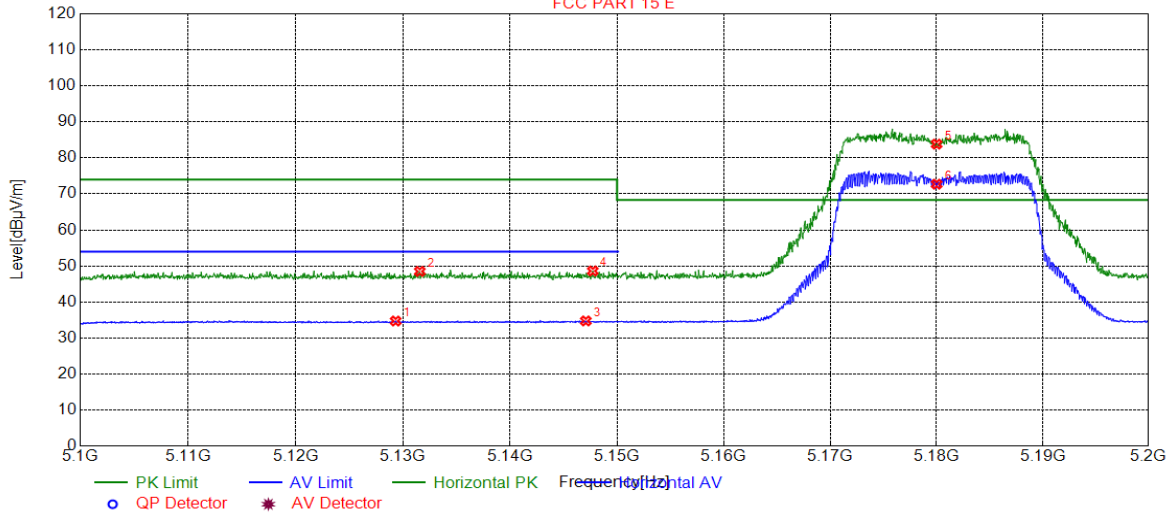


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4.4.1.50 11AC20_MIMO_36 _ Horizontal

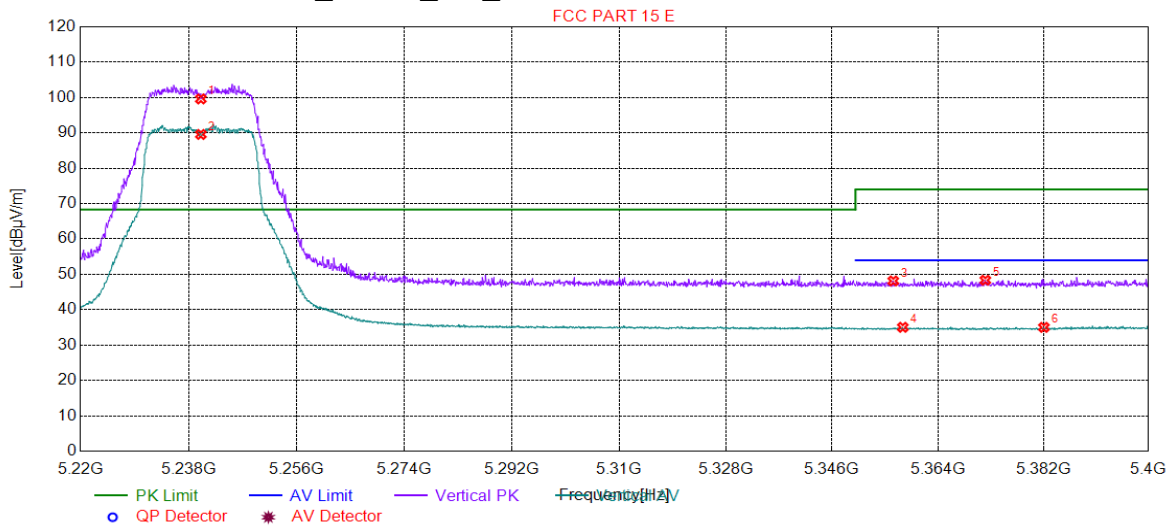
FCC PART 15 E



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5129.3147	34.72	7.52	54.00	19.28	150	214	Horizontal
2	5131.5658	48.49	7.52	74.00	25.51	150	74	Horizontal
3	5147.0735	34.74	7.55	54.00	19.26	150	286	Horizontal
4	5147.7239	48.61	7.55	74.00	25.39	150	225	Horizontal
5	5180.0000	83.82	7.61	68.30	-15.52	150	157	Horizontal
6	5180.0000	72.71	7.61	0.00	-72.71	150	161	Horizontal



4.4.1.51 11AC20_MIMO_48_Verical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5240.0000	99.60	7.68	68.30	-31.30	150	200	Vertical
2	5240.0000	89.56	7.68	0.00	-89.56	150	209	Vertical
3	5356.4182	48.14	7.85	74.00	25.86	150	328	Vertical
4	5358.0390	35.03	7.86	54.00	18.97	150	219	Vertical
5	5372.0860	48.34	7.88	74.00	25.66	150	299	Vertical
6	5382.0810	35.01	7.90	54.00	18.99	150	200	Vertical

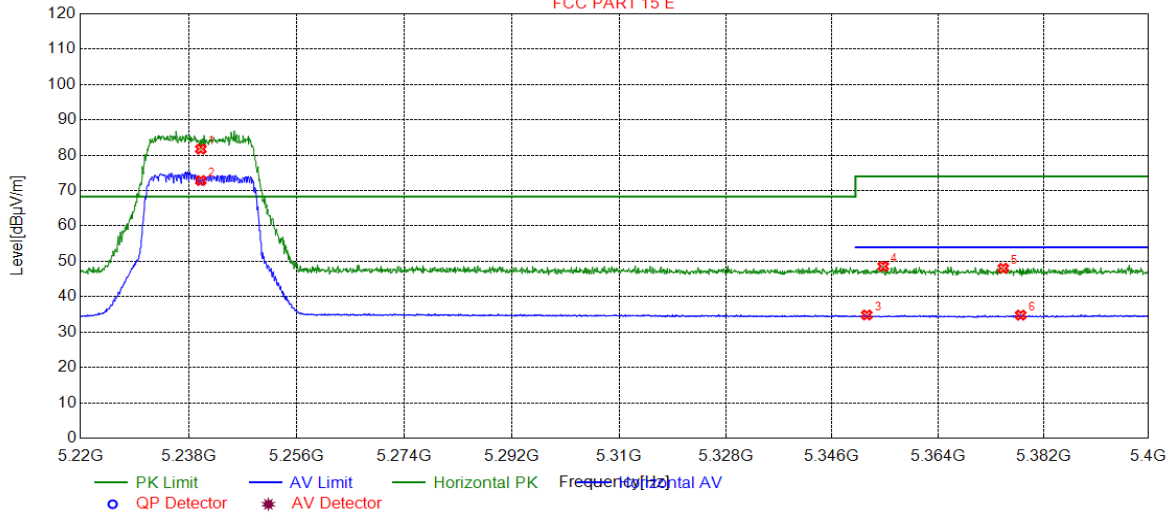


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4.4.1.52 11AC20_MIMO_48_Horizontal

FCC PART 15 E

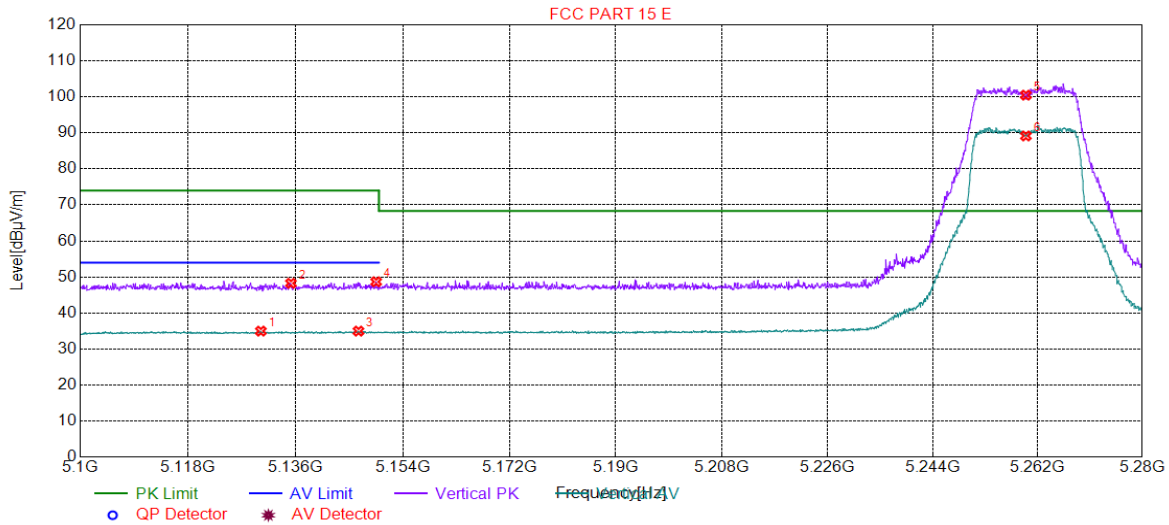


Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5240.0000	81.75	7.68	68.30	-13.45	150	254	Horizontal
2	5240.0000	72.86	7.68	0.00	-72.86	150	225	Horizontal
3	5351.9160	34.83	7.84	54.00	19.17	150	78	Horizontal
4	5354.7074	48.60	7.85	74.00	25.40	150	73	Horizontal
5	5375.1476	48.05	7.89	74.00	25.95	150	7	Horizontal
6	5378.1191	34.79	7.90	54.00	19.21	150	287	Horizontal



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4.4.1.53 11AC20_MIMO_52_Verical

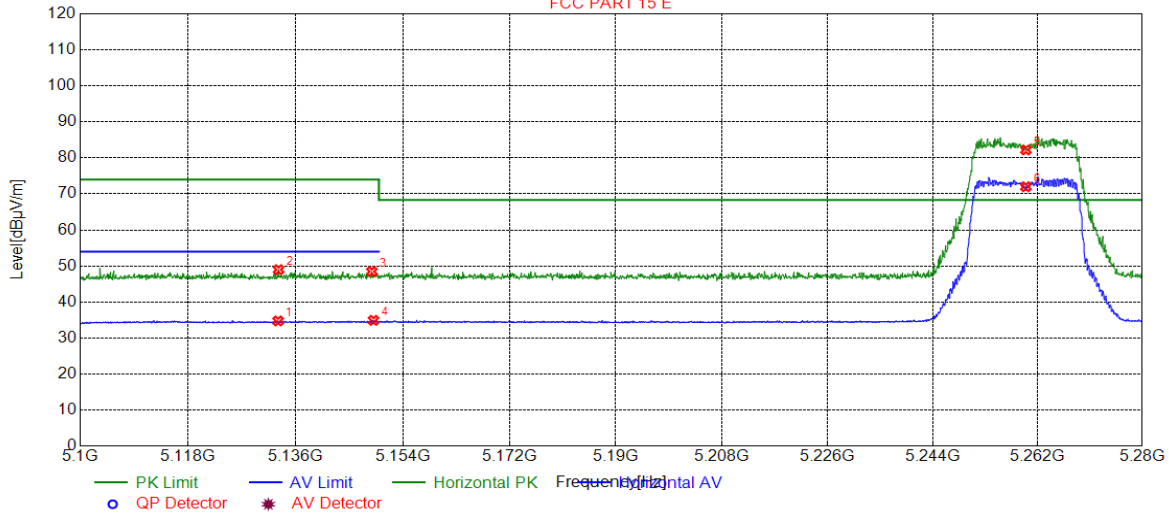


Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5130.1651	34.97	7.52	54.00	19.03	150	177	Vertical
2	5135.2076	48.25	7.53	74.00	25.75	150	167	Vertical
3	5146.5533	34.97	7.55	54.00	19.03	150	182	Vertical
4	5149.5248	48.67	7.55	74.00	25.33	150	234	Vertical
5	5260.0000	100.47	7.70	68.30	-32.17	150	200	Vertical
6	5260.0000	89.15	7.70	0.00	-89.15	150	196	Vertical



4.4.1.54 11AC20_MIMO_52_Horizontal

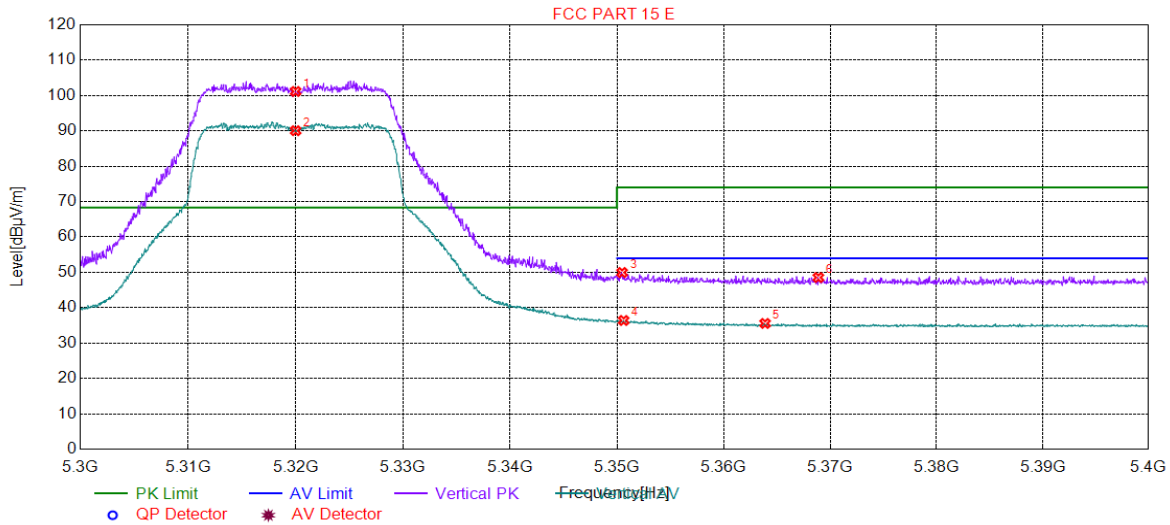
FCC PART 15 E



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5133.0465	34.75	7.53	54.00	19.25	150	330	Horizontal
2	5133.1366	48.98	7.53	74.00	25.02	150	49	Horizontal
3	5148.8044	48.46	7.55	74.00	25.54	150	29	Horizontal
4	5149.0745	34.90	7.55	54.00	19.10	150	44	Horizontal
5	5260.0000	82.21	7.70	68.30	-13.91	150	179	Horizontal
6	5260.0000	71.99	7.70	0.00	-71.99	150	184	Horizontal



4.4.1.55 11AC20_MIMO_64_Verical



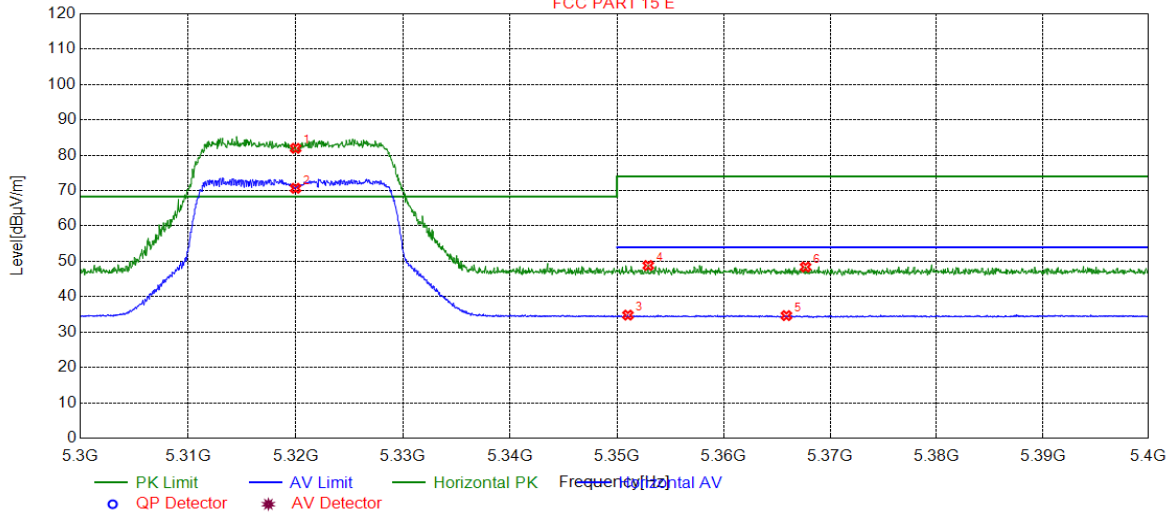
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5320.0000	101.15	7.78	68.30	-32.85	150	205	Vertical
2	5320.0000	90.05	7.78	0.00	-90.05	150	205	Vertical
3	5350.4752	49.96	7.84	74.00	24.04	150	214	Vertical
4	5350.6253	36.40	7.84	54.00	17.60	150	210	Vertical
5	5363.8819	35.56	7.87	54.00	18.44	150	195	Vertical
6	5368.8844	48.54	7.88	74.00	25.46	150	162	Vertical



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4.4.1.56 11AC20_MIMO_64_Horizontal

FCC PART 15 E



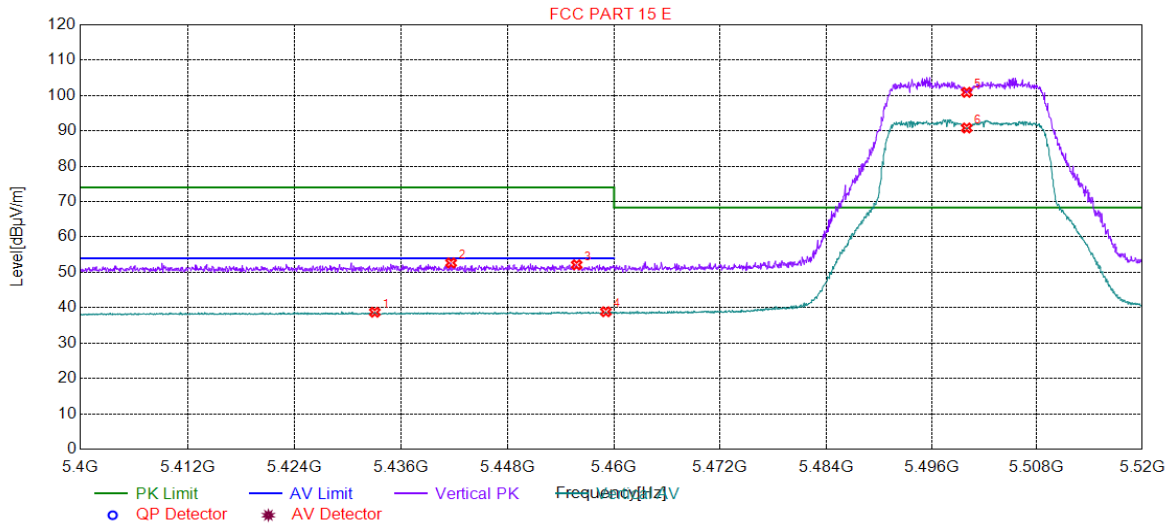
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5320.0000	81.96	7.78	68.30	-13.66	150	226	Horizontal
2	5320.0000	70.66	7.78	0.00	-70.66	150	226	Horizontal
3	5351.0255	34.80	7.84	54.00	19.20	150	231	Horizontal
4	5352.9265	48.83	7.85	74.00	25.17	150	217	Horizontal
5	5365.8829	34.66	7.87	54.00	19.34	150	217	Horizontal
6	5367.6838	48.41	7.88	74.00	25.59	150	269	Horizontal



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4.4.1.57 11AC20_MIMO_100_Veritical

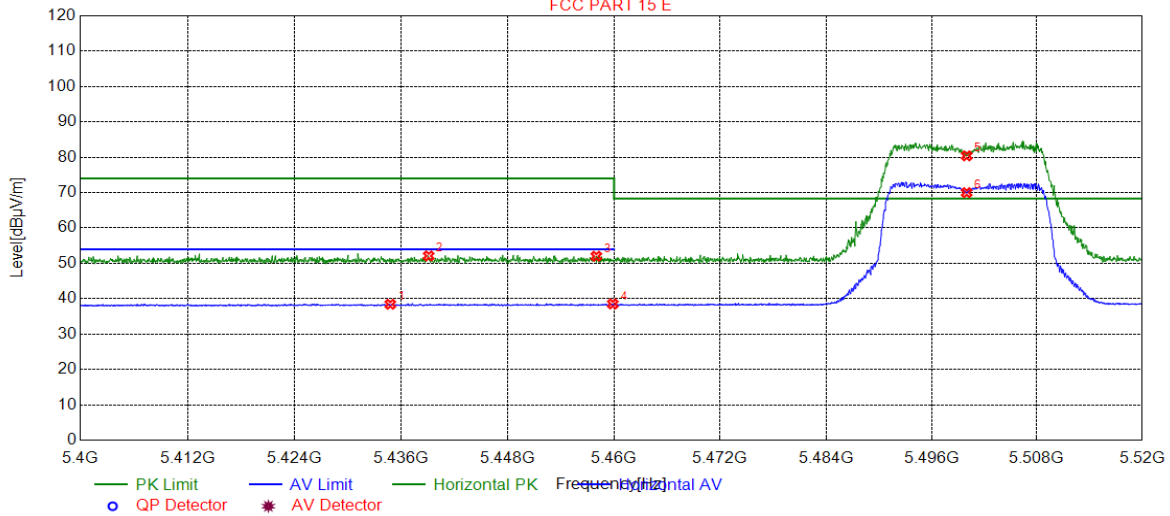


Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5433.0165	38.73	7.99	54.00	15.27	150	170	Vertical
2	5441.6008	52.67	8.01	74.00	21.33	150	262	Vertical
3	5455.7679	52.13	8.03	74.00	21.87	150	311	Vertical
4	5459.0695	38.87	8.03	54.00	15.13	150	204	Vertical
5	5500.0000	100.90	8.10	68.30	-32.60	150	208	Vertical
6	5500.0000	90.82	8.10	0.00	-90.82	150	204	Vertical



4.4.1.58 11AC20_MIMO_100 _ Horizontal

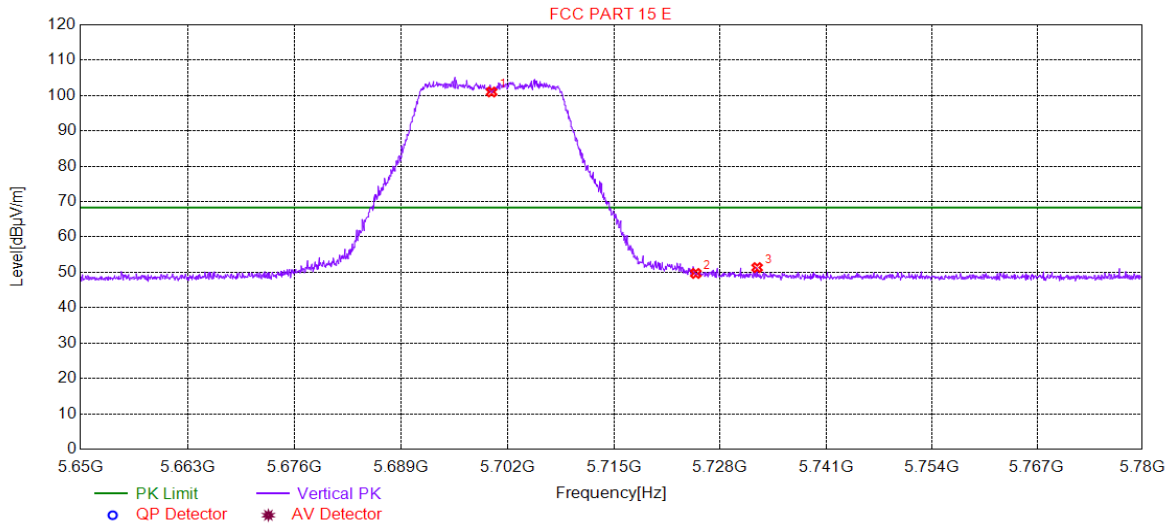
FCC PART 15 E



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5434.7574	38.44	8.00	54.00	15.56	150	62	Horizontal
2	5439.0795	52.10	8.00	74.00	21.90	150	156	Horizontal
3	5457.9890	52.01	8.03	74.00	21.99	150	301	Horizontal
4	5459.8499	38.53	8.04	54.00	15.47	150	62	Horizontal
5	5500.0000	80.41	8.10	68.30	-12.11	150	278	Horizontal
6	5500.0000	69.99	8.10	0.00	-69.99	150	297	Horizontal



4.4.1.59 11AC20_MIMO_140_Vertical



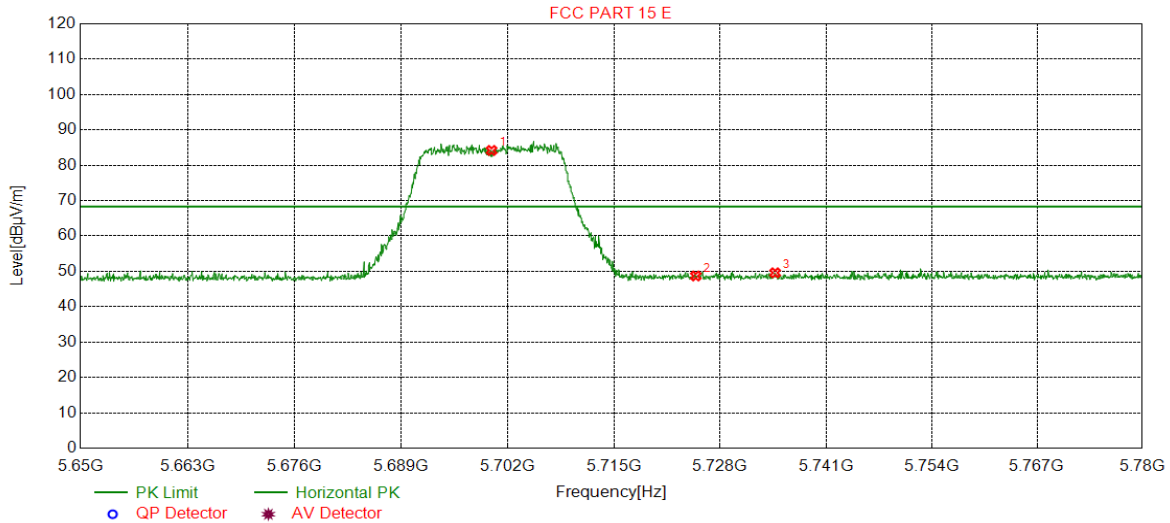
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5700.0000	101.00	8.51	68.30	-32.70	150	217	Vertical
2	5725.0000	49.69	8.57	68.30	18.61	150	221	Vertical
3	5732.5263	51.34	8.58	68.30	16.96	150	245	Vertical



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4.4.1.60 11AC20_MIMO_140 _ Horizontal



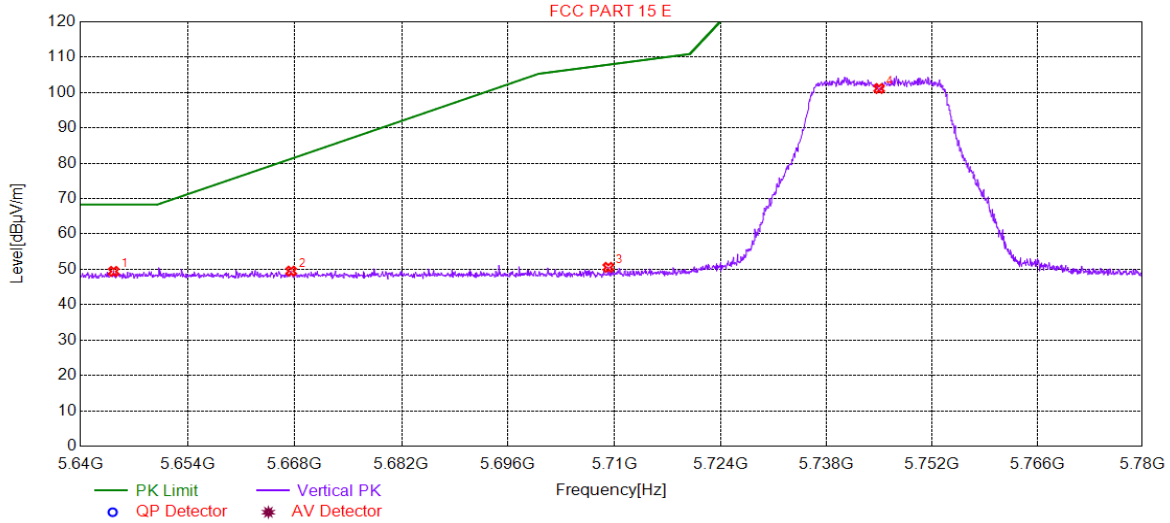
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5700.0000	84.19	8.51	68.30	-15.89	150	228	Horizontal
2	5725.0000	48.70	8.57	68.30	19.60	150	218	Horizontal
3	5734.7374	49.59	8.59	68.30	18.71	150	190	Horizontal



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4.4.1.61 11AC20_MIMO_149_Vertival



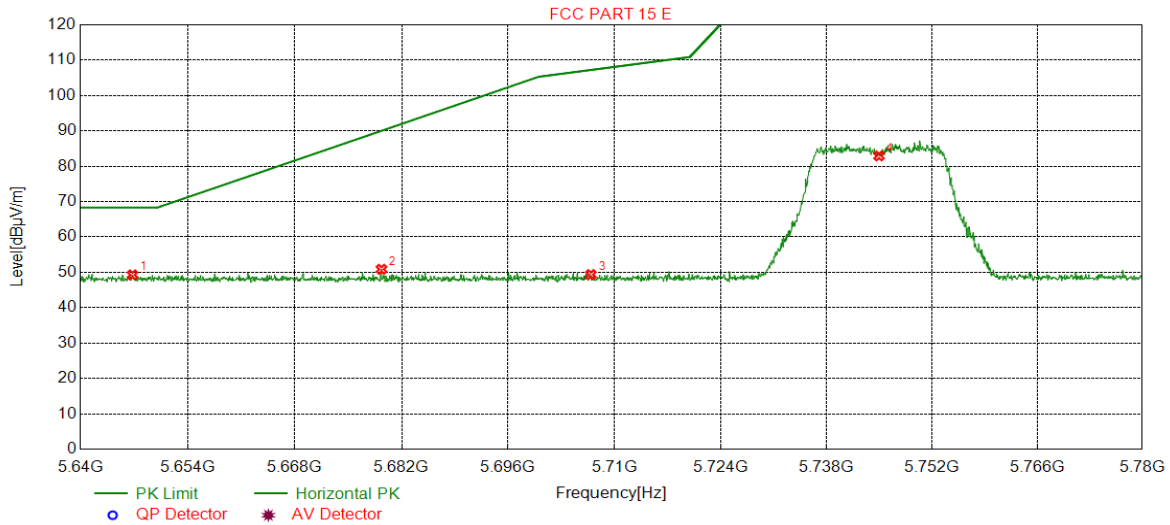
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5644.3422	49.41	8.42	68.30	18.89	150	242	Vertical
2	5667.5238	49.50	8.46	81.27	31.77	150	323	Vertical
3	5709.1946	50.56	8.53	107.87	57.31	150	175	Vertical
4	5745.0000	101.13	8.61	0.00	-101.13	150	213	Vertical



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4.4.1.62 11AC20_MIMO_149 _ Horizontal



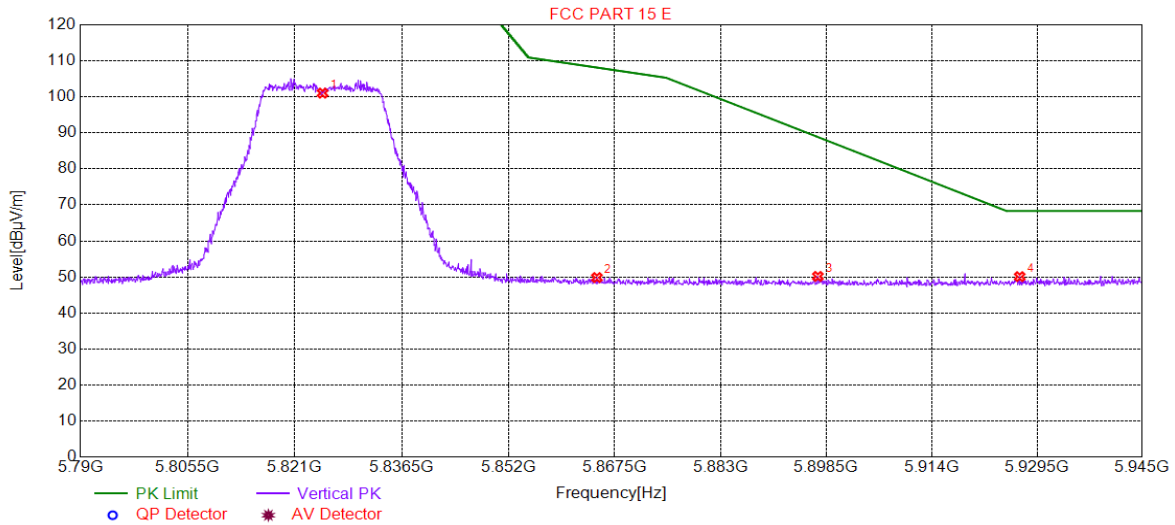
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5646.7934	49.30	8.42	68.30	19.00	150	133	Horizontal
2	5679.3597	50.87	8.48	90.03	39.16	150	161	Horizontal
3	5706.8834	49.37	8.53	107.23	57.86	150	19	Horizontal
4	5745.0000	82.92	8.61	0.00	-82.92	150	83	Horizontal



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4.4.1.63 11AC20_MIMO_165_Verical



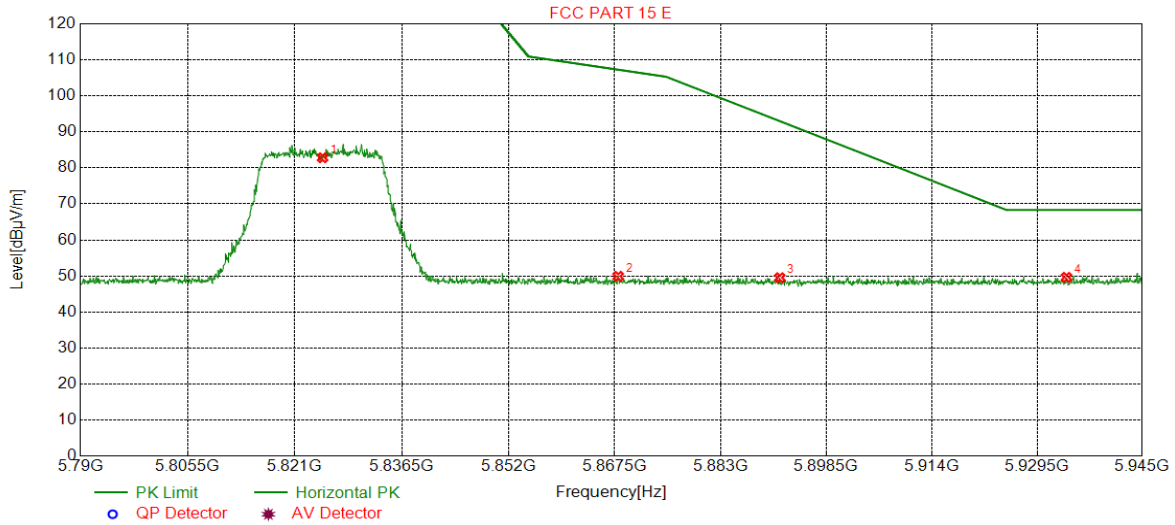
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5825.0000	101.03	8.82	0.00	-101.03	150	217	Vertical
2	5864.9025	49.83	8.93	108.13	58.30	150	228	Vertical
3	5897.2361	50.16	9.03	88.85	38.69	150	79	Vertical
4	5926.9335	50.09	9.12	68.30	18.21	150	355	Vertical



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4.4.1.64 11AC20_MIMO_165 _ Horizontal



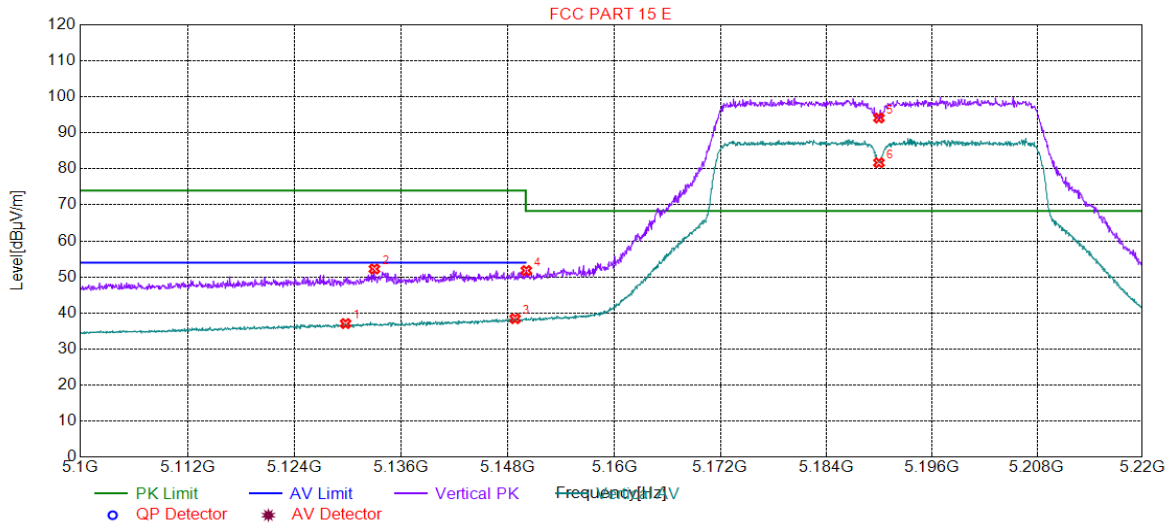
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5825.0000	82.82	8.82	0.00	-82.82	150	183	Horizontal
2	5868.0040	49.91	8.94	107.26	57.35	150	263	Horizontal
3	5891.6533	49.52	9.01	92.98	43.46	150	27	Horizontal
4	5933.8344	49.62	9.14	68.30	18.68	150	91	Horizontal



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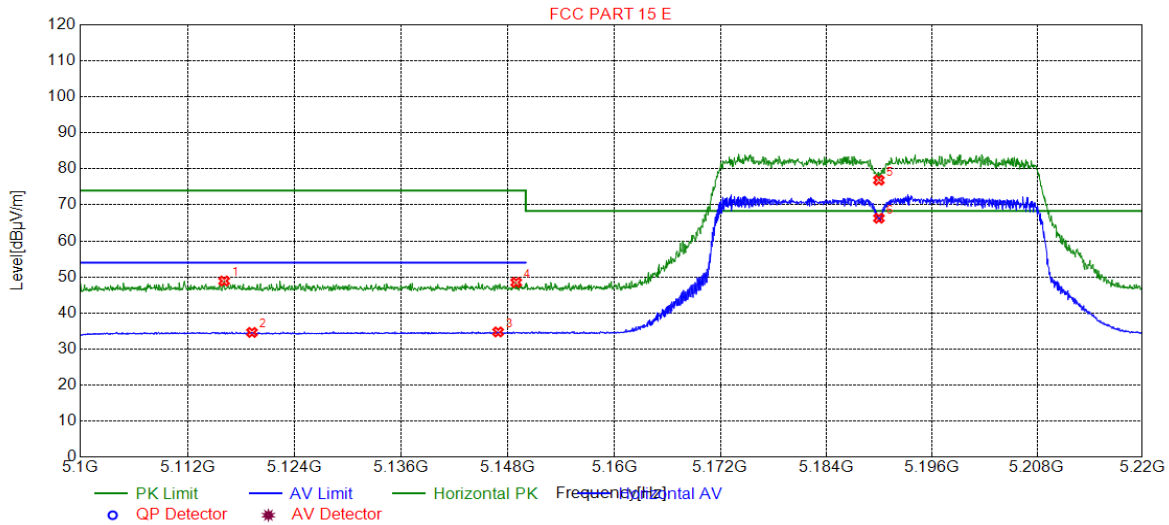
4.4.1.65 11AC40_MIMO_38_Verical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5129.7149	37.07	7.52	54.00	16.93	150	231	Vertical
2	5132.9565	52.22	7.53	74.00	21.78	150	231	Vertical
3	5148.8044	38.42	7.55	54.00	15.58	150	231	Vertical
4	5150.0650	51.78	7.56	68.30	16.52	150	206	Vertical
5	5190.0000	94.14	7.62	68.30	-25.84	150	231	Vertical
6	5190.0000	81.71	7.62	0.00	-81.71	150	237	Vertical



4.4.1.66 11AC40_MIMO_38_Horizontal



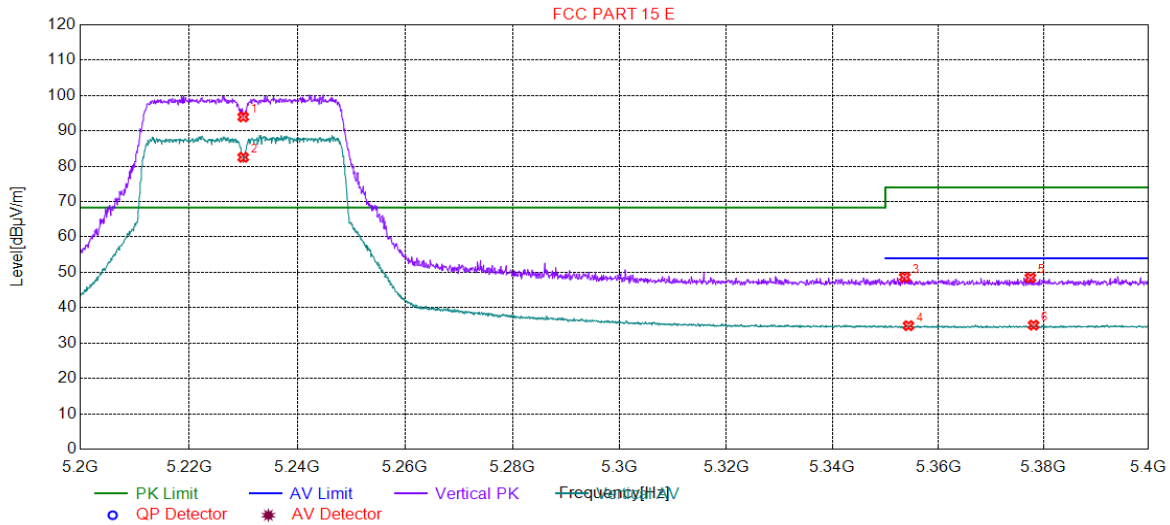
Suspected List

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5116.0880	48.88	7.50	74.00	25.12	150	134	Horizontal
2	5119.2096	34.61	7.50	54.00	19.39	150	267	Horizontal
3	5146.8834	34.74	7.55	54.00	19.26	150	134	Horizontal
4	5148.9245	48.48	7.55	74.00	25.52	150	197	Horizontal
5	5190.0000	76.87	7.62	68.30	-8.57	150	159	Horizontal
6	5190.0000	66.32	7.62	0.00	-66.32	150	178	Horizontal



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4.4.1.67 11AC40_MIMO_46_Verical



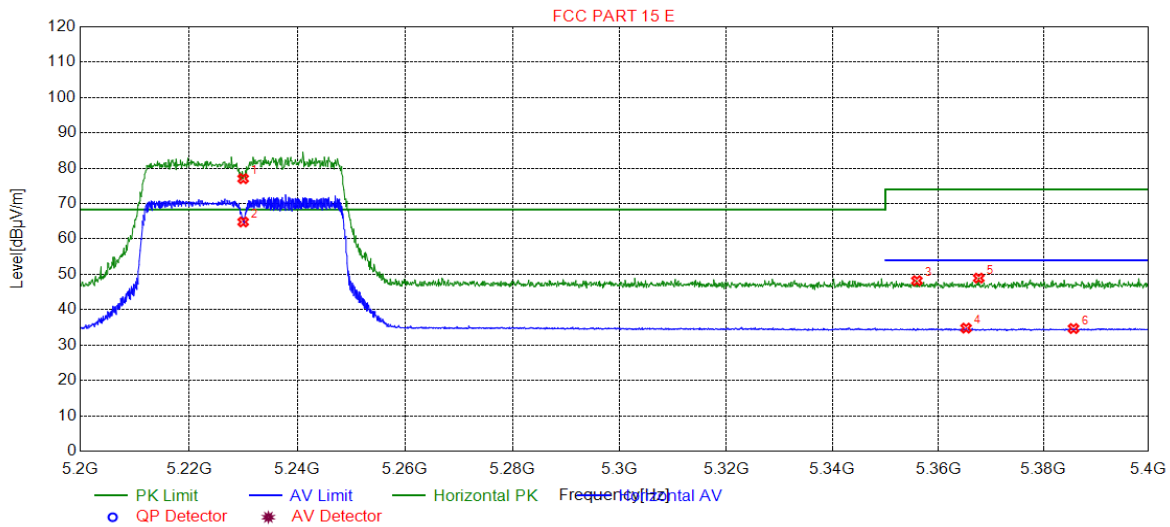
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5230.0000	93.95	7.67	68.30	-25.65	150	194	Vertical
2	5230.0000	82.53	7.67	0.00	-82.53	150	200	Vertical
3	5353.6768	48.63	7.85	74.00	25.37	150	106	Vertical
4	5354.3772	34.92	7.85	54.00	19.08	150	31	Vertical
5	5377.4887	48.46	7.89	74.00	25.54	150	18	Vertical
6	5378.0890	35.07	7.90	54.00	18.93	150	194	Vertical



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4.4.1.68 11AC40_MIMO_46_Horizontal

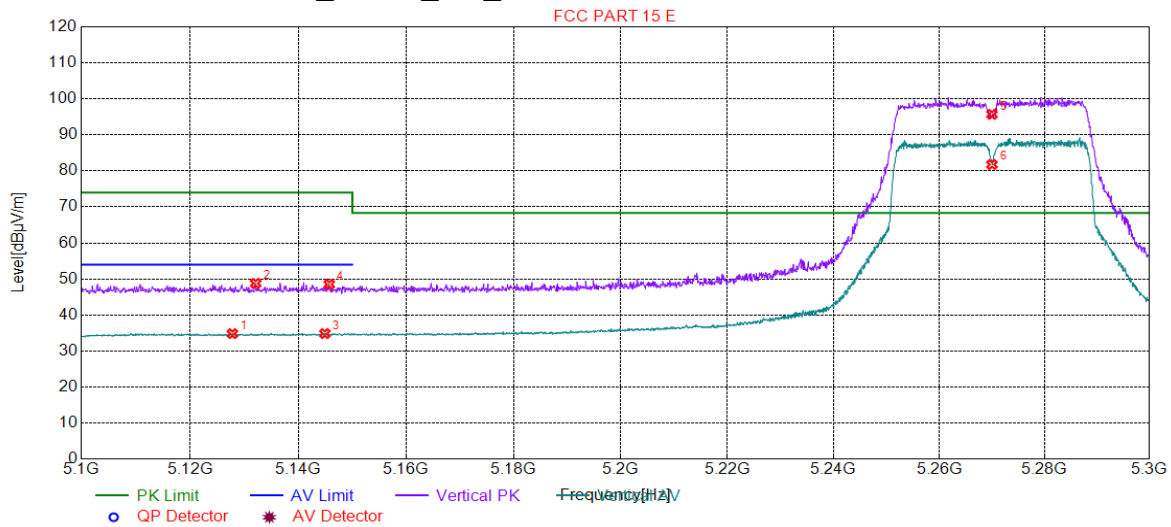


Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5230.0000	77.06	7.67	68.30	-8.76	150	222	Horizontal
2	5230.0000	64.81	7.67	0.00	-64.81	150	178	Horizontal
3	5355.9780	48.21	7.85	74.00	25.79	150	260	Horizontal
4	5365.2826	34.80	7.87	54.00	19.20	150	216	Horizontal
5	5367.6838	48.94	7.88	74.00	25.06	150	78	Horizontal
6	5385.6928	34.68	7.91	54.00	19.32	150	72	Horizontal



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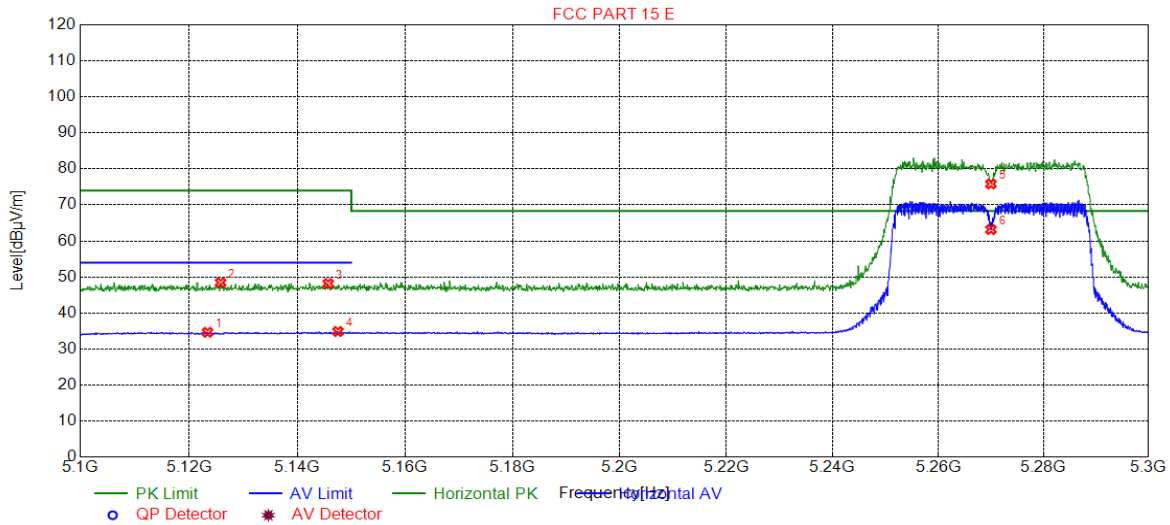
4.4.1.69 11AC40_MIMO_54_Verical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5127.8139	34.83	7.52	54.00	19.17	150	208	Vertical
2	5132.1161	48.78	7.52	74.00	25.22	150	50	Vertical
3	5144.9225	34.85	7.55	54.00	19.15	150	214	Vertical
4	5145.7229	48.52	7.55	74.00	25.48	150	352	Vertical
5	5270.0000	95.70	7.71	68.30	-27.40	150	201	Vertical
6	5270.0000	81.75	7.71	0.00	-81.75	150	170	Vertical



4.4.1.70 11AC40_MIMO_54_Horizontal



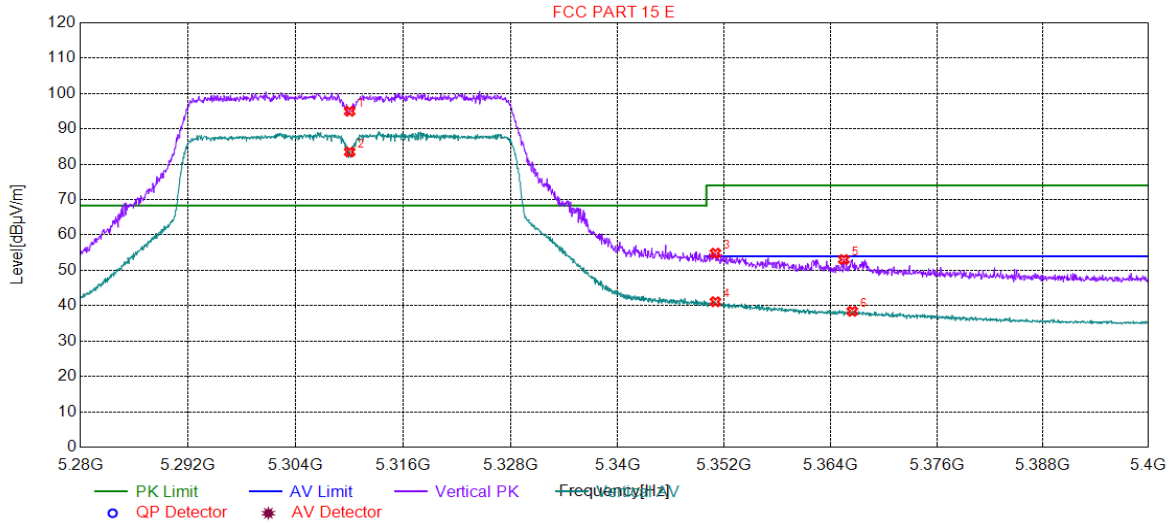
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5123.4117	34.64	7.51	54.00	19.36	150	35	Horizontal
2	5125.8129	48.42	7.51	74.00	25.58	150	266	Horizontal
3	5145.7229	48.16	7.55	74.00	25.84	150	116	Horizontal
4	5147.5238	34.87	7.55	54.00	19.13	150	141	Horizontal
5	5270.0000	75.82	7.71	68.30	-7.52	150	342	Horizontal
6	5270.0000	63.16	7.71	0.00	-63.16	150	342	Horizontal



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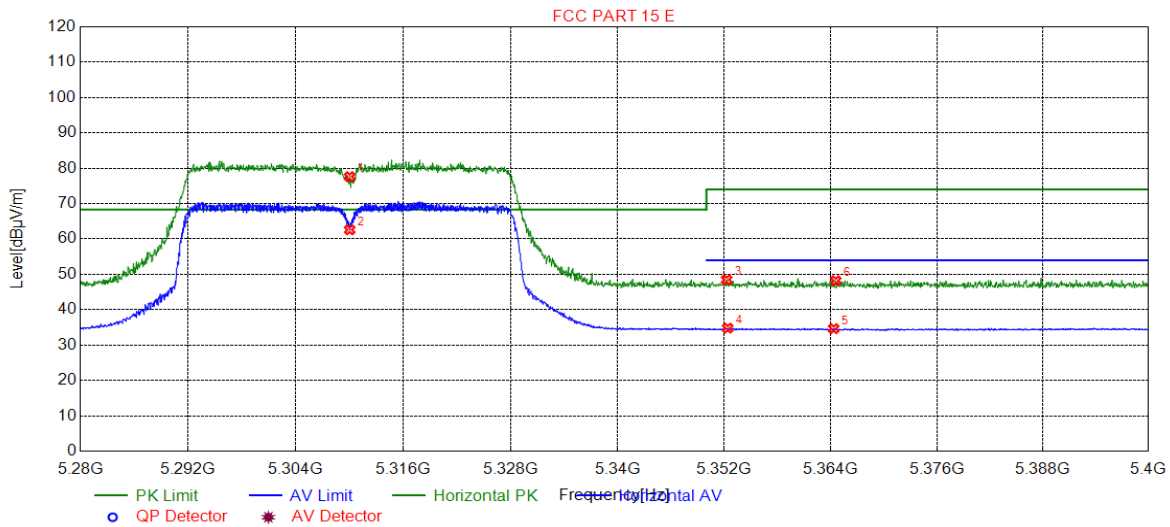
4.4.1.71 11AC40_MIMO_62_Verical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5310.0000	94.99	7.76	68.30	-26.69	150	198	Vertical
2	5310.0000	83.48	7.76	0.00	-83.48	150	204	Vertical
3	5351.0155	54.85	7.84	74.00	19.15	150	204	Vertical
4	5351.0155	41.12	7.84	54.00	12.88	150	204	Vertical
5	5365.4827	53.06	7.87	74.00	20.94	150	198	Vertical
6	5366.4432	38.43	7.87	54.00	15.57	150	204	Vertical



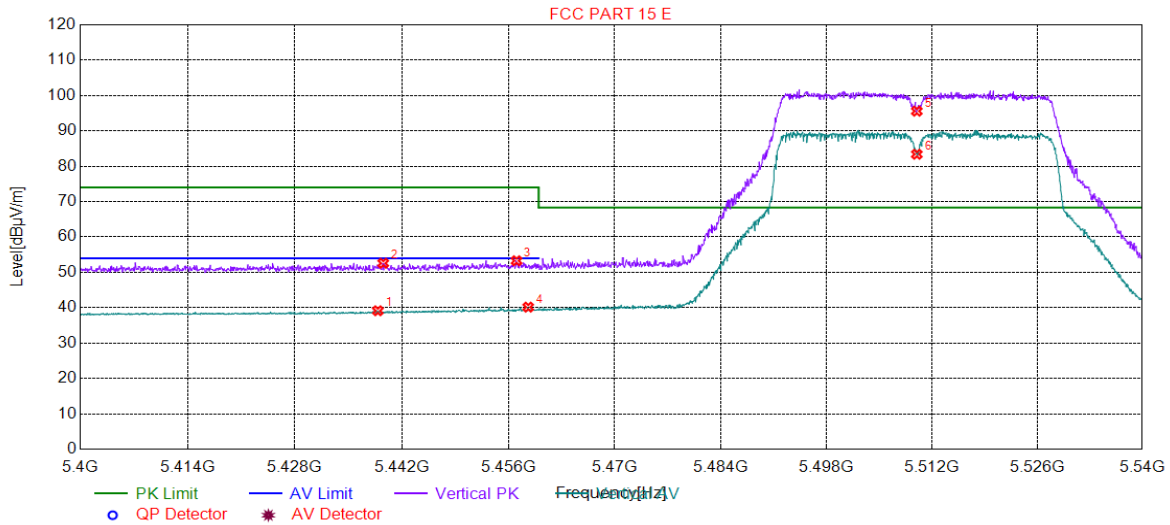
4.4.1.72 11AC40_MIMO_62_Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5310.0000	77.62	7.76	68.30	-9.32	150	224	Horizontal
2	5310.0000	62.60	7.76	0.00	-62.60	150	224	Horizontal
3	5352.2761	48.47	7.84	74.00	25.53	150	212	Horizontal
4	5352.3962	34.80	7.84	54.00	19.20	150	1	Horizontal
5	5364.3422	34.65	7.87	54.00	19.35	150	139	Horizontal
6	5364.5823	48.20	7.87	74.00	25.80	150	314	Horizontal



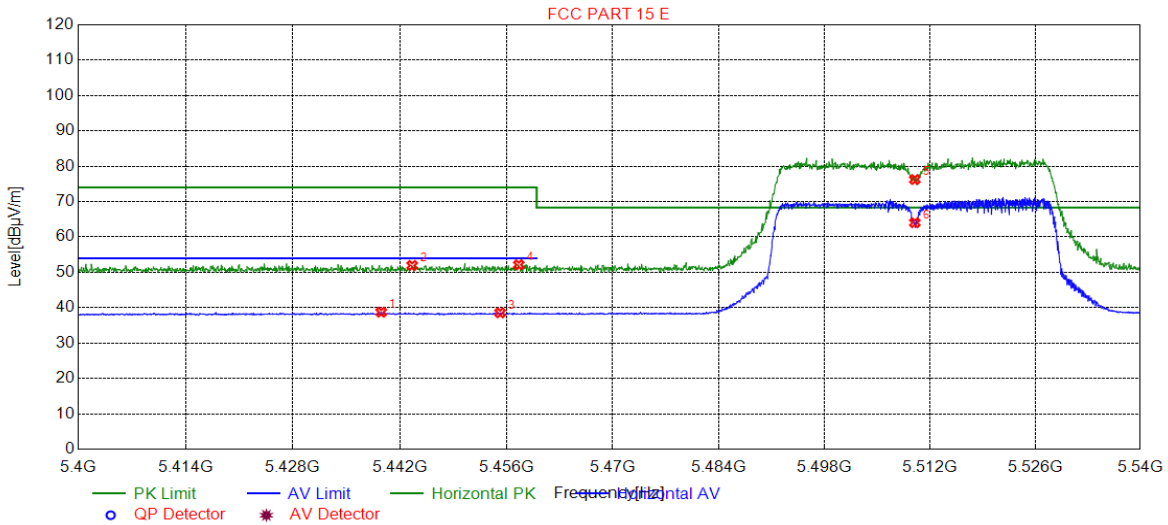
4.4.1.73 11AC40_MIMO_102_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5438.8694	39.14	8.00	54.00	14.86	150	203	Vertical
2	5439.5698	52.58	8.00	74.00	21.42	150	291	Vertical
3	5457.0785	53.28	8.03	74.00	20.72	150	195	Vertical
4	5458.6193	40.17	8.03	54.00	13.83	150	211	Vertical
5	5510.0000	95.58	8.13	68.30	-27.28	150	203	Vertical
6	5510.0000	83.40	8.13	0.00	-83.40	150	199	Vertical



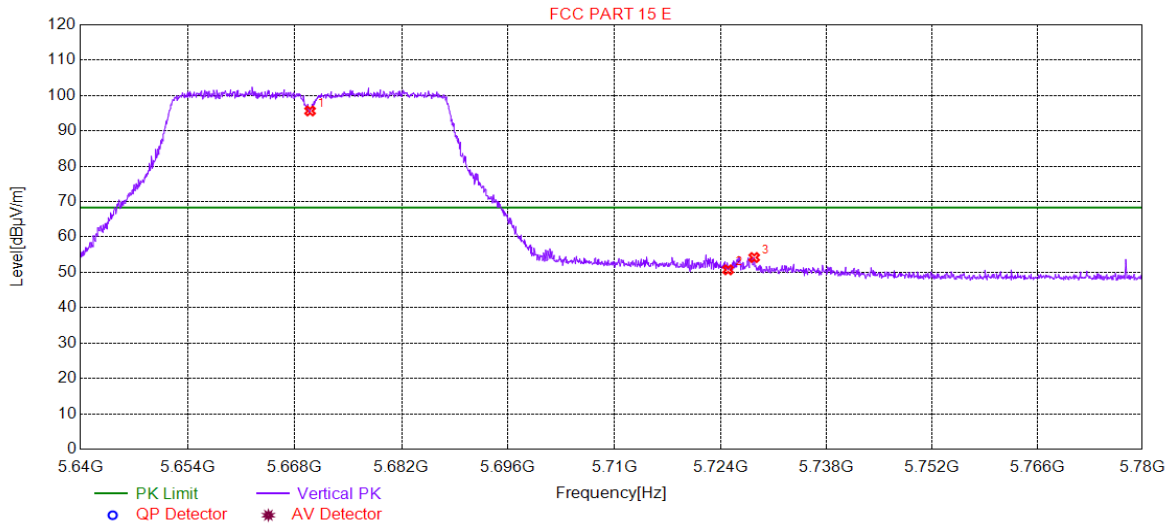
4.4.1.74 11AC40_MIMO_102 _ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5439.5698	38.74	8.00	54.00	15.26	150	294	Horizontal
2	5443.6318	51.95	8.01	74.00	22.05	150	324	Horizontal
3	5455.1876	38.55	8.03	54.00	15.45	150	180	Horizontal
4	5457.6388	52.14	8.03	74.00	21.86	150	127	Horizontal
5	5510.0000	76.24	8.13	68.30	-7.94	150	294	Horizontal
6	5510.0000	64.04	8.13	0.00	-64.04	150	74	Horizontal



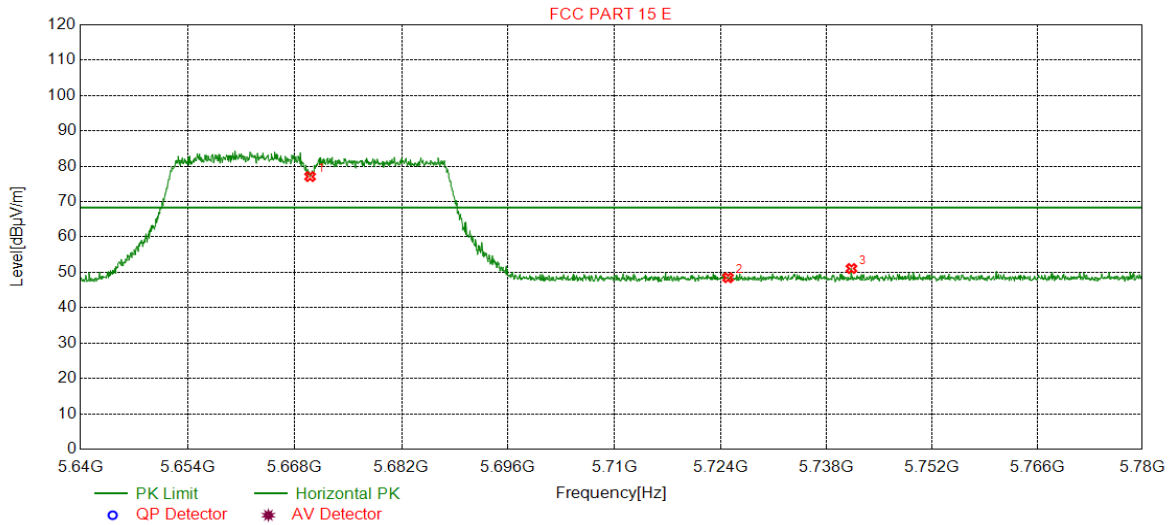
4.4.1.75 11AC40_MIMO_134_Verticial



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5670.0000	95.64	8.46	68.30	-27.34	150	206	Vertical
2	5725.0000	50.71	8.57	68.30	17.59	150	253	Vertical
3	5728.4542	54.20	8.58	68.30	14.10	150	215	Vertical



4.4.1.76 11AC40_MIMO_134 _ Horizontal



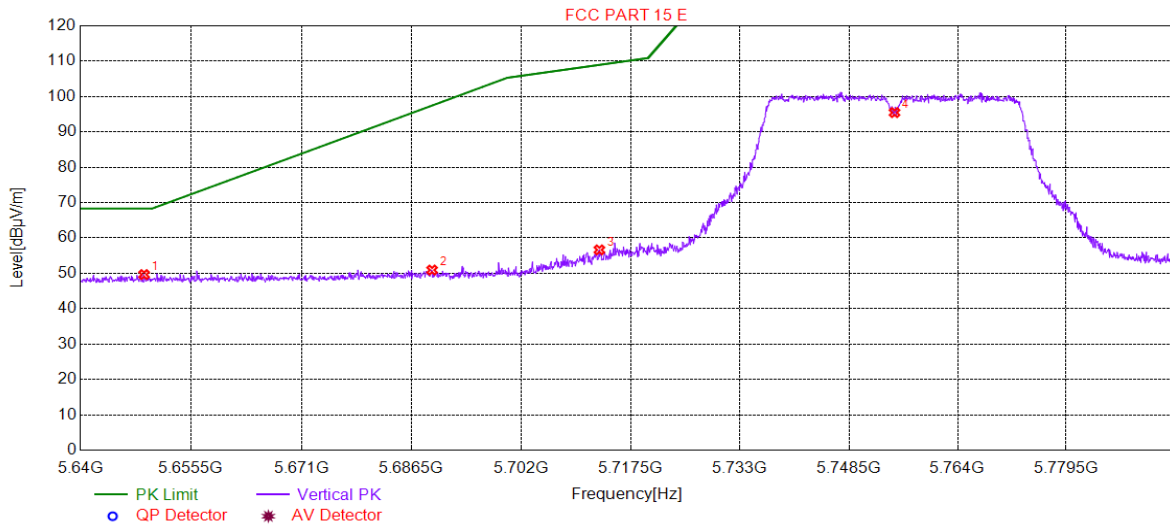
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5670.0000	77.08	8.46	68.30	-8.78	150	127	Horizontal
2	5725.0000	48.48	8.57	68.30	19.82	150	28	Horizontal
3	5741.3407	51.08	8.61	68.30	17.22	150	318	Horizontal



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4.4.1.77 11AC40_MIMO_151_Veritical



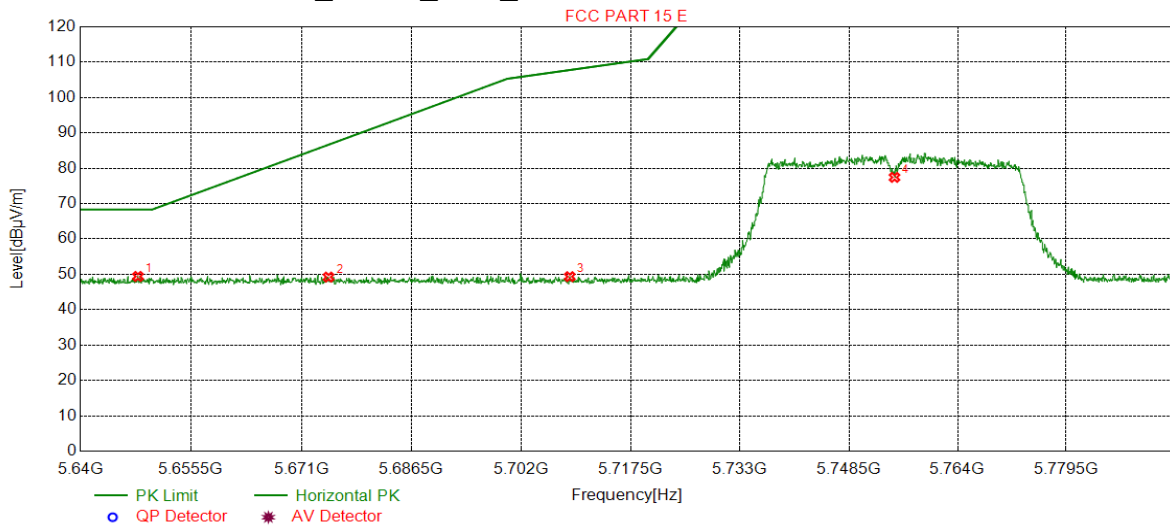
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5648.9170	49.66	8.43	68.30	18.64	150	18	Vertical
2	5689.3922	50.94	8.49	97.45	46.51	150	217	Vertical
3	5713.0415	56.64	8.54	108.95	52.31	150	207	Vertical
4	5755.0000	95.46	8.64	0.00	-95.46	150	212	Vertical



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4.4.1.78 11AC40_MIMO_151 _ Horizontal



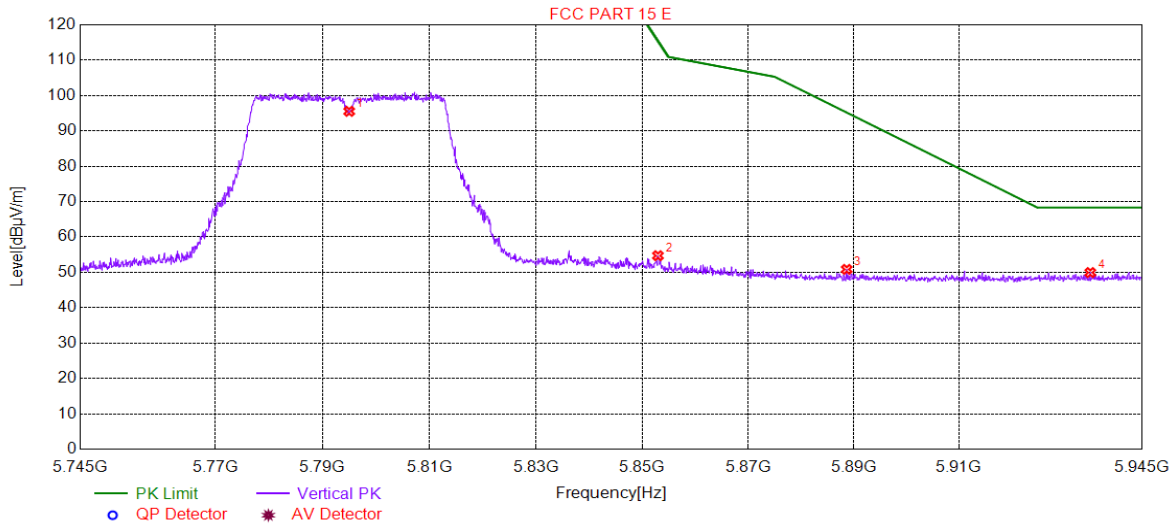
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5648.0640	49.41	8.43	68.30	18.89	150	342	Horizontal
2	5674.8149	49.23	8.47	86.66	37.43	150	130	Horizontal
3	5708.8544	49.35	8.53	107.78	58.43	150	54	Horizontal
4	5755.0000	77.42	8.64	0.00	-77.42	150	200	Horizontal



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4.4.1.79 11AC40_MIMO_159_Veritical



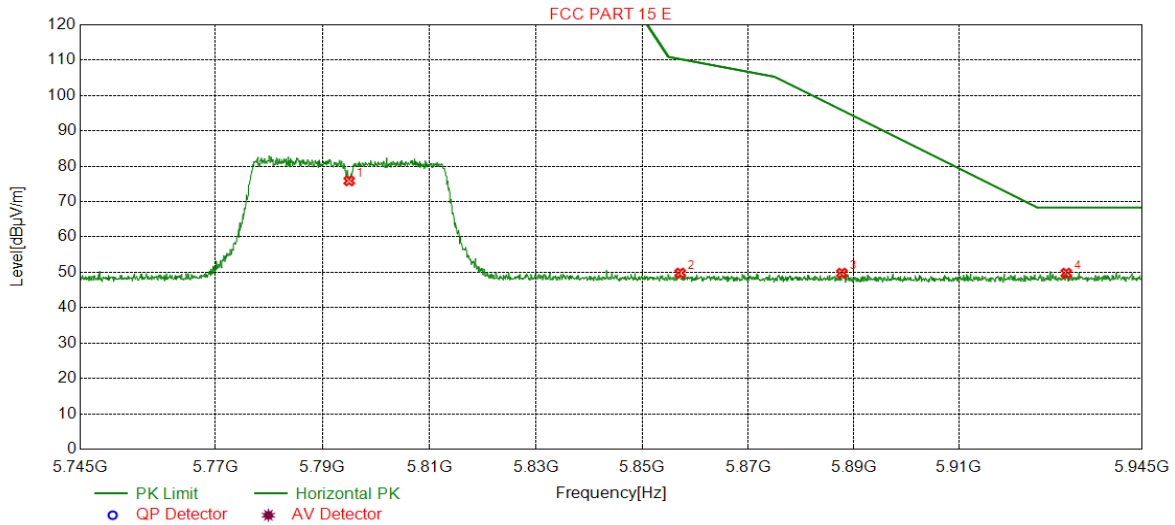
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5795.0000	95.53	8.73	0.00	-95.53	150	204	Vertical
2	5852.9540	54.71	8.90	115.56	60.85	150	218	Vertical
3	5888.6718	50.84	9.01	95.18	44.34	150	199	Vertical
4	5935.0950	49.94	9.15	68.30	18.36	150	127	Vertical



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4.4.1.80 11AC40_MIMO_159 _ Horizontal



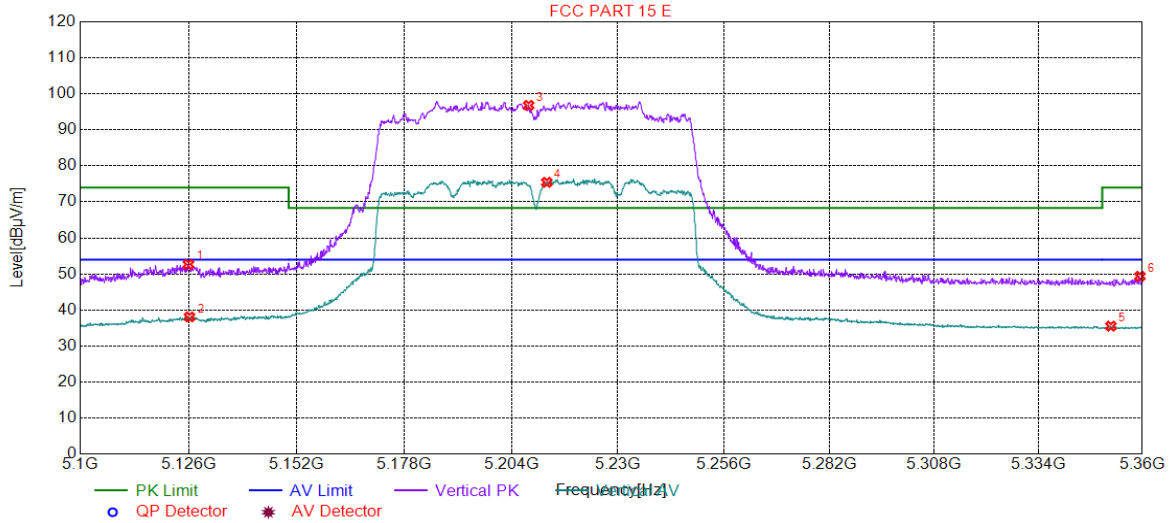
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5795.0000	75.87	8.73	0.00	-75.87	150	226	Horizontal
2	5857.1561	49.79	8.91	110.30	60.51	150	342	Horizontal
3	5887.7714	49.77	9.00	95.85	46.08	150	66	Horizontal
4	5930.4927	49.76	9.13	68.30	18.54	150	66	Horizontal



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4.4.1.81 11AC80_MIMO_42_Verical

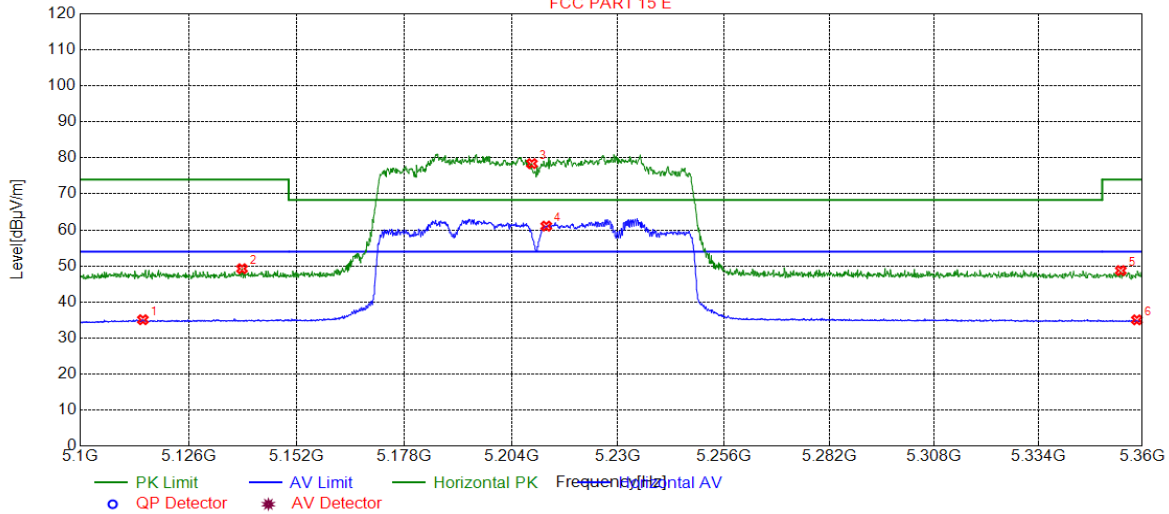


Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5125.8829	52.66	7.51	74.00	21.34	150	194	Vertical
2	5126.1431	38.08	7.51	54.00	15.92	150	223	Vertical
3	5208.2141	96.80	7.65	68.30	-28.50	150	204	Vertical
4	5212.6363	75.45	7.65	54.00	-21.45	150	170	Vertical
5	5352.1961	35.52	7.84	54.00	18.48	150	228	Vertical
6	5359.4797	49.36	7.86	74.00	24.64	150	51	Vertical



4.4.1.82 11AC80_MIMO_42_Horizontal

FCC PART 15 E



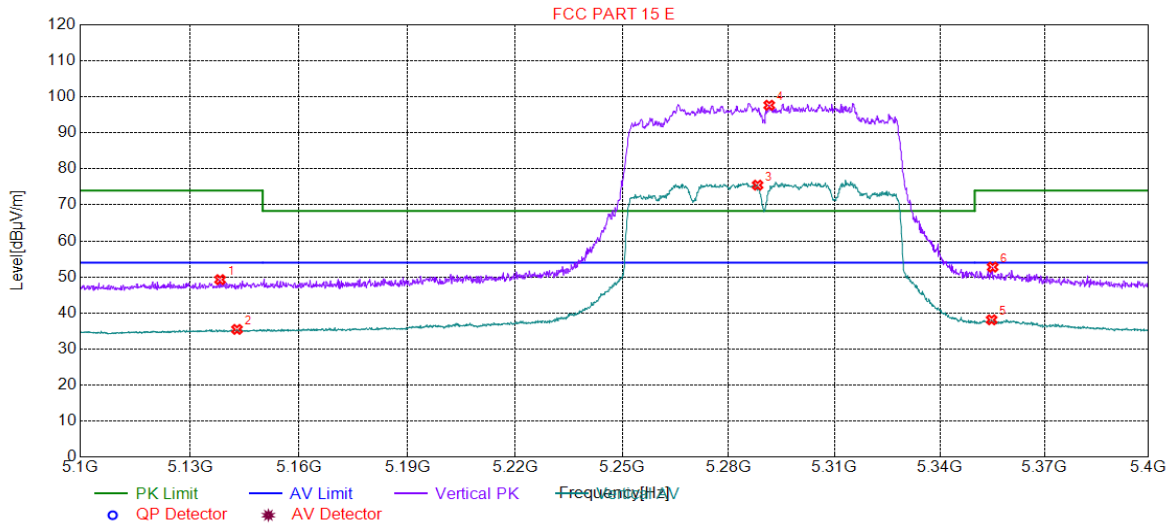
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5114.9575	35.08	7.50	54.00	18.92	150	262	Horizontal
2	5138.7594	49.25	7.54	74.00	24.75	150	199	Horizontal
3	5208.9945	78.40	7.65	68.30	-10.10	150	262	Horizontal
4	5212.5063	61.07	7.65	54.00	-7.07	150	199	Horizontal
5	5354.6673	48.72	7.85	74.00	25.28	150	153	Horizontal
6	5358.6994	35.05	7.86	54.00	18.95	150	345	Horizontal



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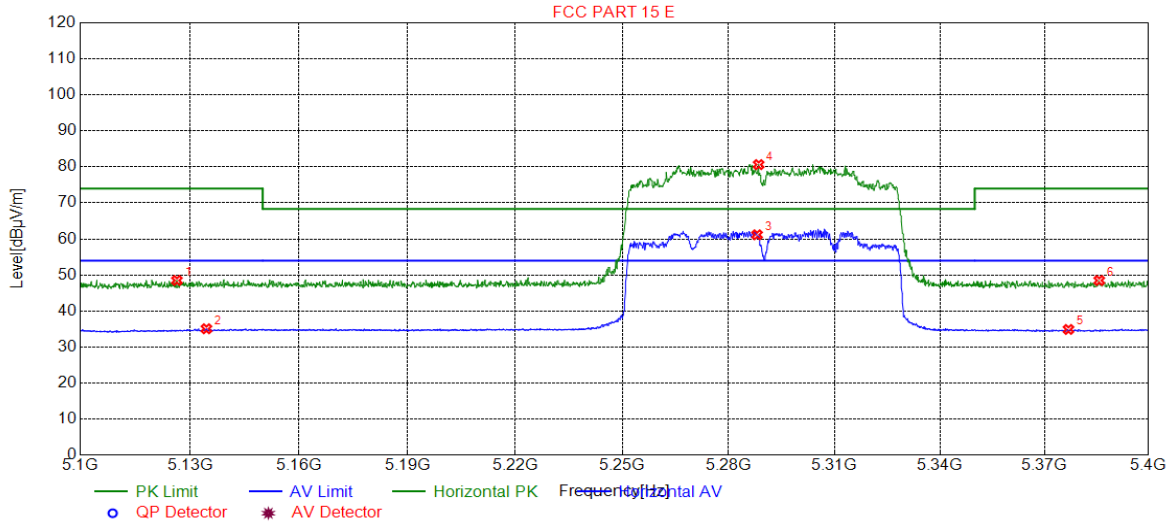
4.4.1.83 11AC80_MIMO_58_Verical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5138.2691	49.26	7.54	74.00	24.74	150	20	Vertical
2	5142.9215	35.45	7.54	54.00	18.55	150	221	Vertical
3	5288.1941	75.49	7.73	54.00	-21.49	150	226	Vertical
4	5291.4957	97.67	7.73	68.30	-29.37	150	197	Vertical
5	5354.8274	38.11	7.85	54.00	15.89	150	226	Vertical
6	5355.1276	52.74	7.85	74.00	21.26	150	226	Vertical



4.4.1.84 11AC80_MIMO_58_Horizontal

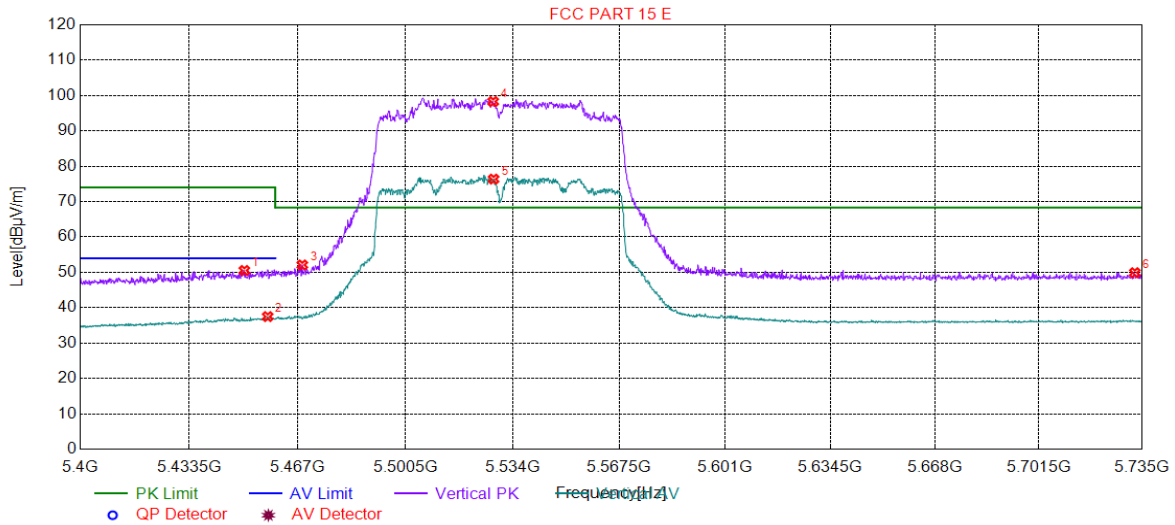


Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5126.4132	48.48	7.51	74.00	25.52	150	159	Horizontal
2	5134.5173	35.07	7.53	54.00	18.93	150	73	Horizontal
3	5288.0440	61.15	7.73	54.00	-7.15	150	207	Horizontal
4	5288.4942	80.63	7.73	68.30	-12.33	150	207	Horizontal
5	5376.8884	34.88	7.89	54.00	19.12	150	16	Horizontal
6	5385.7429	48.47	7.91	74.00	25.53	150	260	Horizontal



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4.4.1.85 11AC80_MIMO_106_Veritical

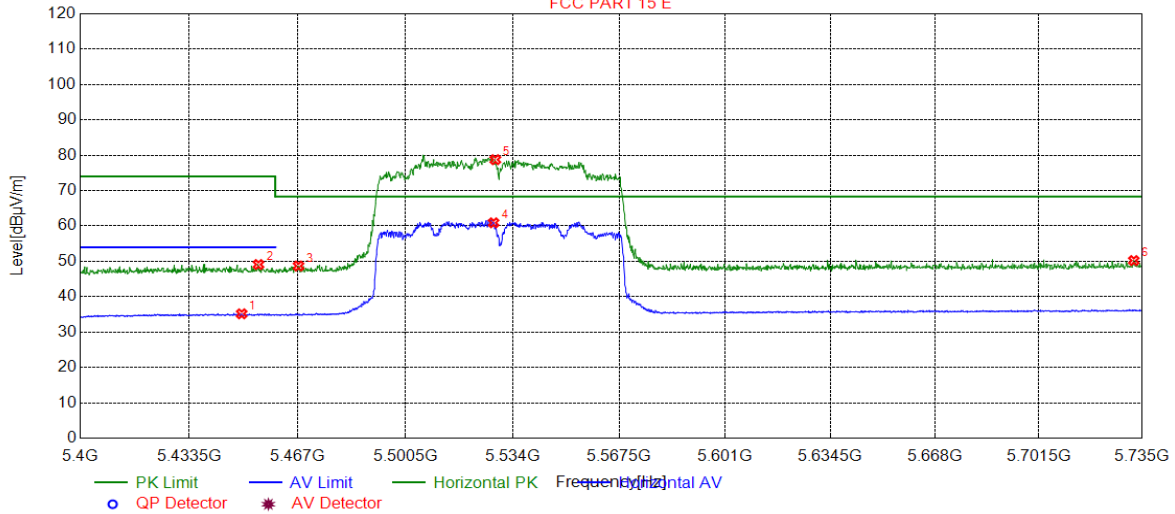


Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5450.4427	50.54	8.02	74.00	23.46	150	197	Vertical
2	5457.6488	37.50	8.03	54.00	16.50	150	202	Vertical
3	5468.3742	52.09	8.05	68.30	16.21	150	225	Vertical
4	5527.8664	98.28	8.17	68.30	-29.98	150	197	Vertical
5	5528.0000	76.37	8.17	0.00	-76.37	150	202	Vertical
6	5732.6538	49.91	8.59	68.30	18.39	150	12	Vertical



4.4.1.86 11AC80_MIMO_106 _ Horizontal

FCC PART 15 E

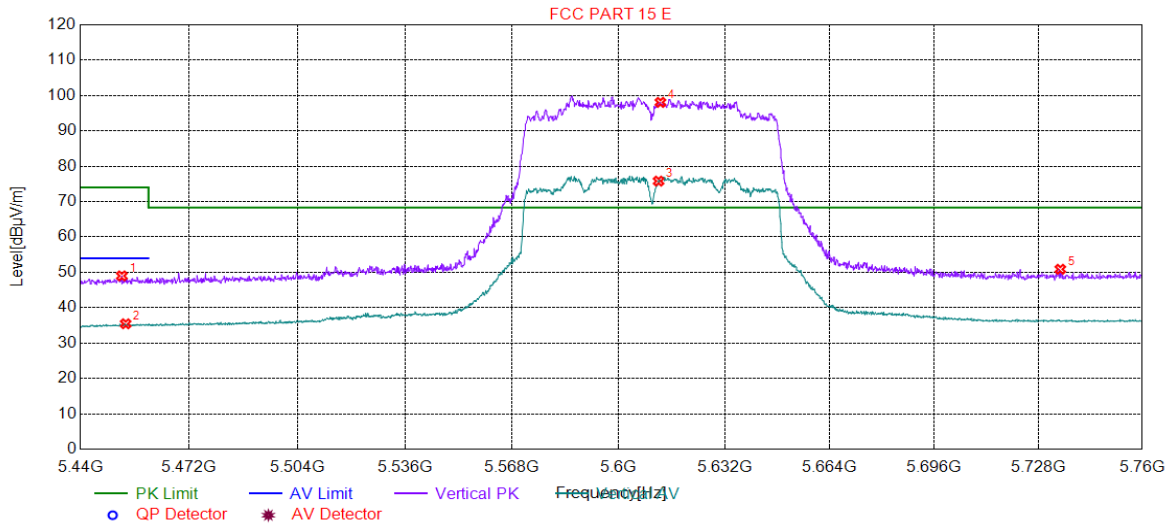


Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5449.6048	35.17	8.02	54.00	18.83	150	300	Horizontal
2	5454.7999	49.11	8.03	74.00	24.89	150	238	Horizontal
3	5467.2011	48.69	8.05	68.30	19.61	150	49	Horizontal
4	5528.0000	60.90	8.17	0.00	-60.90	150	262	Horizontal
5	5528.5368	78.75	8.17	68.30	-10.45	150	267	Horizontal
6	5732.3187	50.22	8.58	68.30	18.08	150	187	Horizontal



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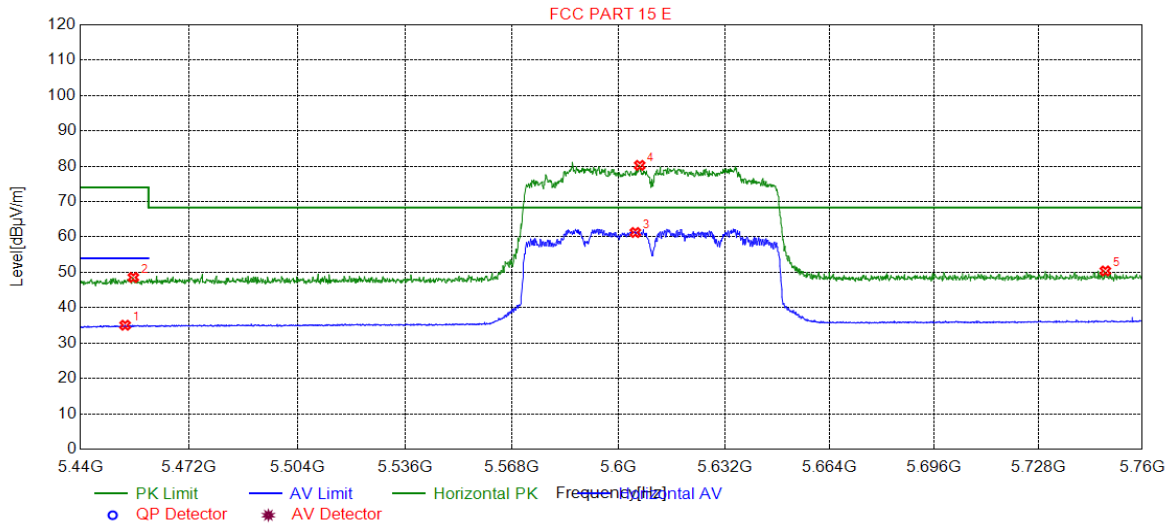
4.4.1.87 11AC80_MIMO_122_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5452.1661	49.00	8.02	74.00	25.00	150	329	Vertical
2	5453.2866	35.46	8.03	54.00	18.54	150	263	Vertical
3	5612.0000	75.80	8.37	0.00	-75.80	150	207	Vertical
4	5612.5663	98.06	8.37	68.30	-29.76	150	207	Vertical
5	5734.7074	50.88	8.59	68.30	17.42	150	211	Vertical



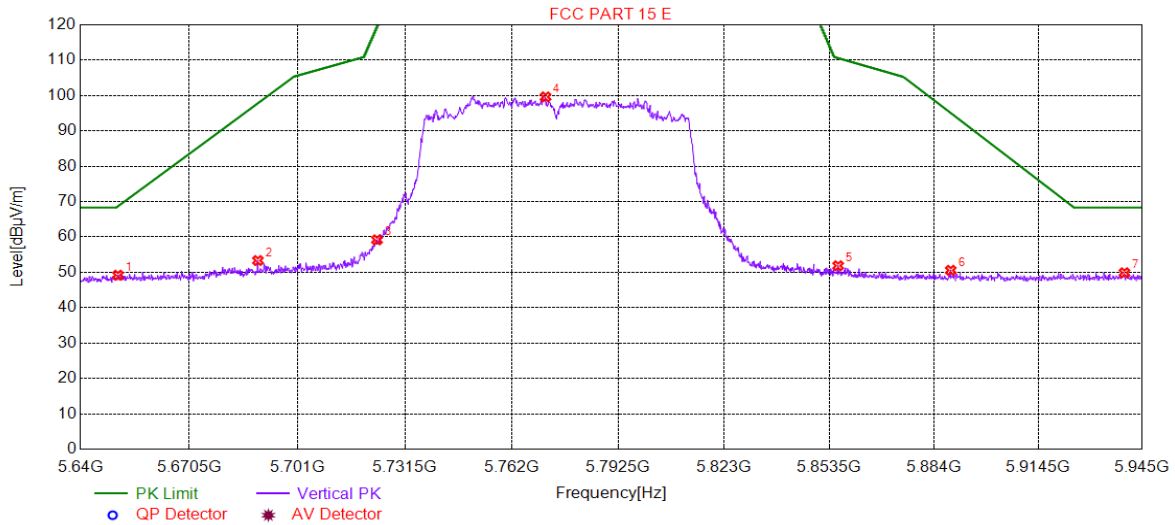
4.4.1.88 11AC80_MIMO_122_Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5453.1266	35.05	8.03	54.00	18.95	150	116	Horizontal
2	5455.5278	48.56	8.03	74.00	25.44	150	212	Horizontal
3	5605.0000	61.27	8.36	0.00	-61.27	150	278	Horizontal
4	5606.3232	80.25	8.36	68.30	-11.95	150	230	Horizontal
5	5748.6343	50.40	8.62	68.30	17.90	150	125	Horizontal



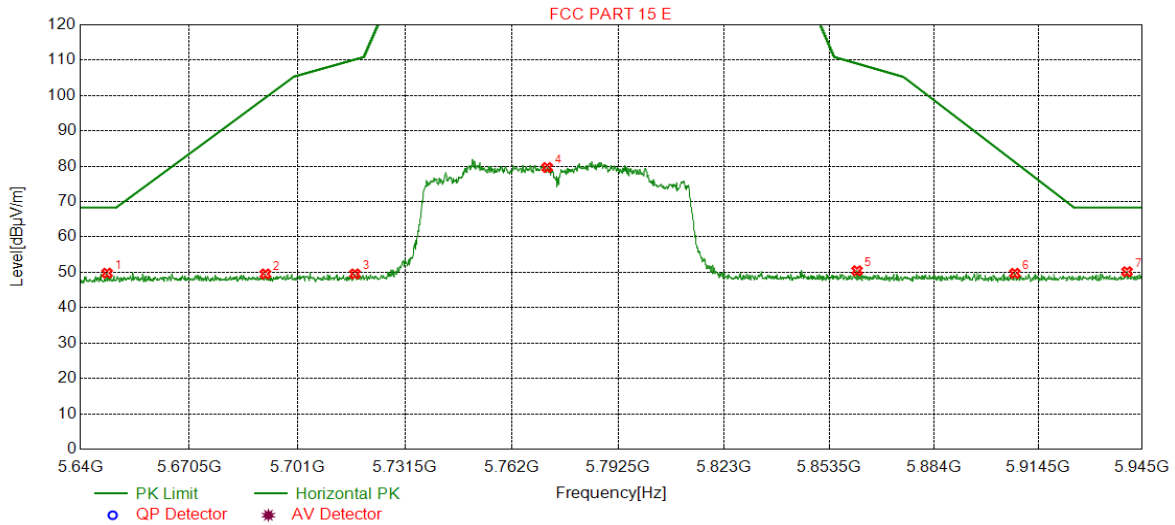
4.4.1.89 11AC80_MIMO_155_Verical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5650.5278	49.20	8.43	68.69	19.49	150	203	Vertical
2	5689.8924	53.35	8.49	97.82	44.47	150	199	Vertical
3	5723.6118	59.19	8.56	119.13	59.94	150	210	Vertical
4	5771.6733	99.61	8.67	122.30	22.69	150	203	Vertical
5	5856.0480	51.87	8.91	110.61	58.74	150	217	Vertical
6	5888.8519	50.58	9.01	95.05	44.47	150	66	Vertical
7	5939.8124	49.89	9.16	68.30	18.41	150	294	Vertical



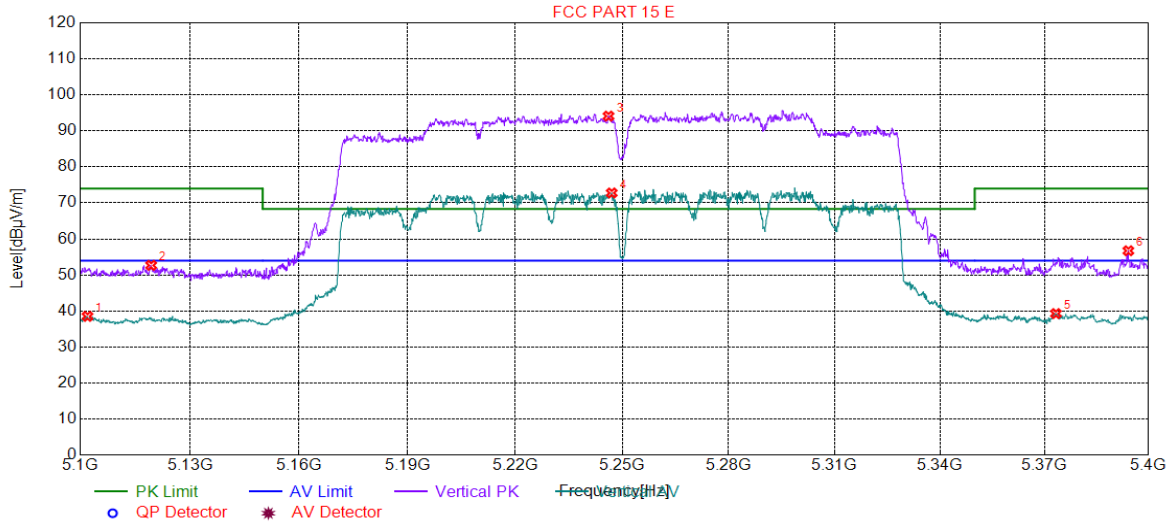
4.4.1.90 11AC80_MIMO_155 _ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5647.4762	49.77	8.43	68.30	18.53	150	266	Horizontal
2	5692.0285	49.55	8.50	99.40	49.85	150	180	Horizontal
3	5717.3562	49.56	8.55	110.16	60.60	150	304	Horizontal
4	5772.1311	79.64	8.68	122.30	42.66	150	173	Horizontal
5	5861.5408	50.46	8.92	109.07	58.61	150	244	Horizontal
6	5907.6188	49.72	9.06	81.16	31.44	150	308	Horizontal
7	5940.5753	50.20	9.16	68.30	18.10	150	120	Horizontal



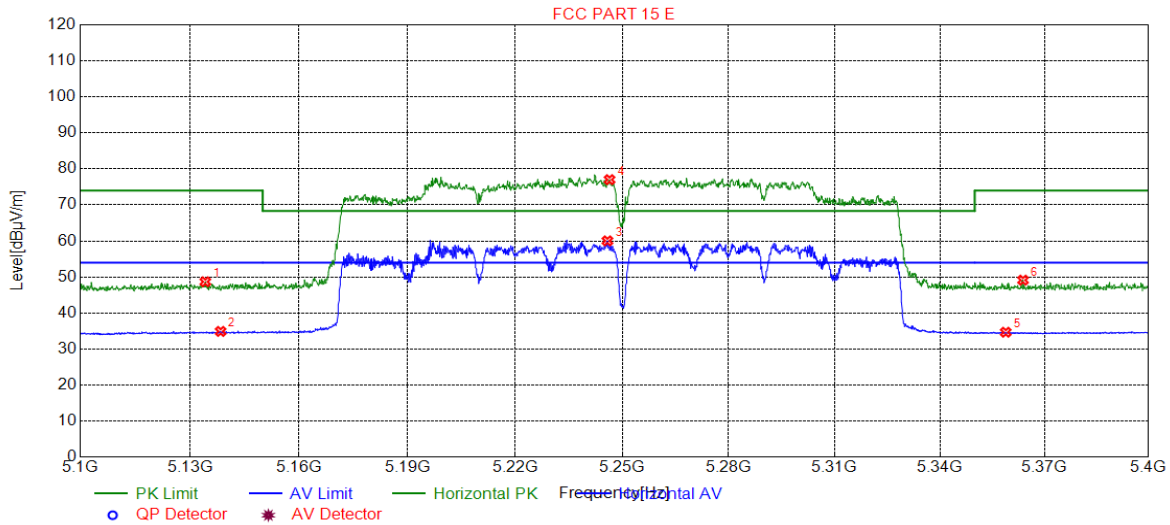
4.4.1.91 11AC160_MIMO_50_Veritical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5101.9510	38.51	7.47	54.00	15.49	150	228	Vertical
2	5119.3597	52.67	7.50	74.00	21.33	150	201	Vertical
3	5246.1731	94.10	7.69	68.30	-25.80	150	224	Vertical
4	5247.0735	72.76	7.69	54.00	-18.76	150	201	Vertical
5	5373.2866	39.28	7.89	54.00	14.72	150	209	Vertical
6	5394.1471	56.72	7.93	74.00	17.28	150	201	Vertical



4.4.1.92 11AC160_MIMO_50_Horizontal



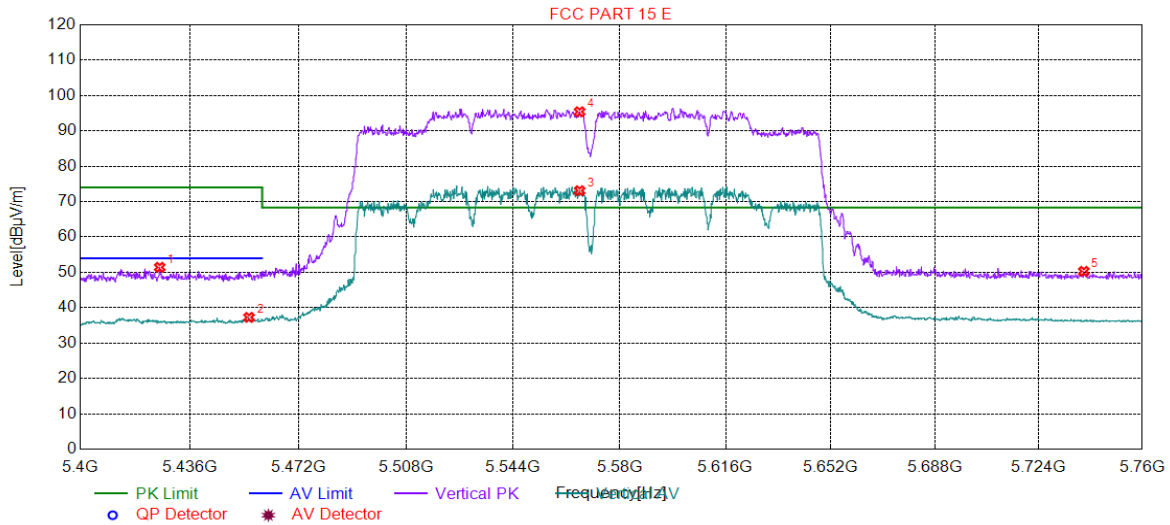
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5134.2171	48.67	7.53	74.00	25.33	150	17	Horizontal
2	5138.4192	34.89	7.54	54.00	19.11	150	192	Horizontal
3	5245.8729	60.02	7.69	54.00	-6.02	150	230	Horizontal
4	5246.4732	77.01	7.69	68.30	-8.71	150	234	Horizontal
5	5358.8794	34.66	7.86	54.00	19.34	150	192	Horizontal
6	5363.8319	49.13	7.87	74.00	24.87	150	344	Horizontal



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4.4.1.93 11AC160_MIMO_114_Verical

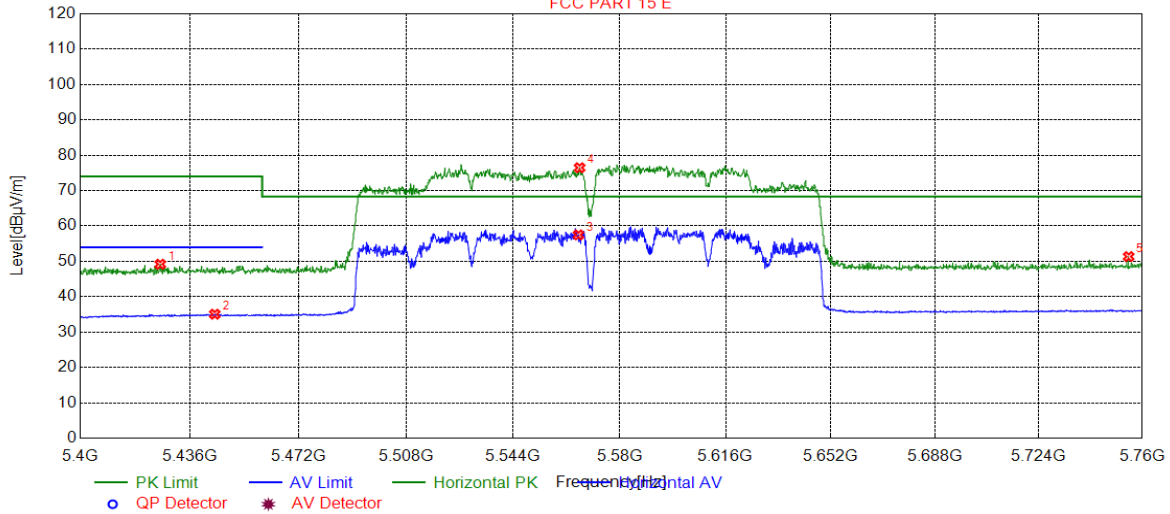


Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5426.1131	51.43	7.98	74.00	22.57	150	235	Vertical
2	5455.6478	37.27	8.03	54.00	16.73	150	206	Vertical
3	5566.4000	73.09	8.27	0.00	-73.09	150	200	Vertical
4	5566.4032	95.41	8.27	68.30	-27.11	150	200	Vertical
5	5739.6498	50.29	8.60	68.30	18.01	150	206	Vertical



4.4.1.94 11AC160_MIMO_114 _ Horizontal

FCC PART 15 E



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5426.2931	49.19	7.98	74.00	24.81	150	202	Horizontal
2	5444.3022	35.06	8.01	54.00	18.94	150	82	Horizontal
3	5566.0000	57.48	8.27	0.00	-57.48	150	188	Horizontal
4	5566.4032	76.47	8.27	68.30	-8.17	150	230	Horizontal
5	5755.3177	51.35	8.64	68.30	16.95	150	154	Horizontal

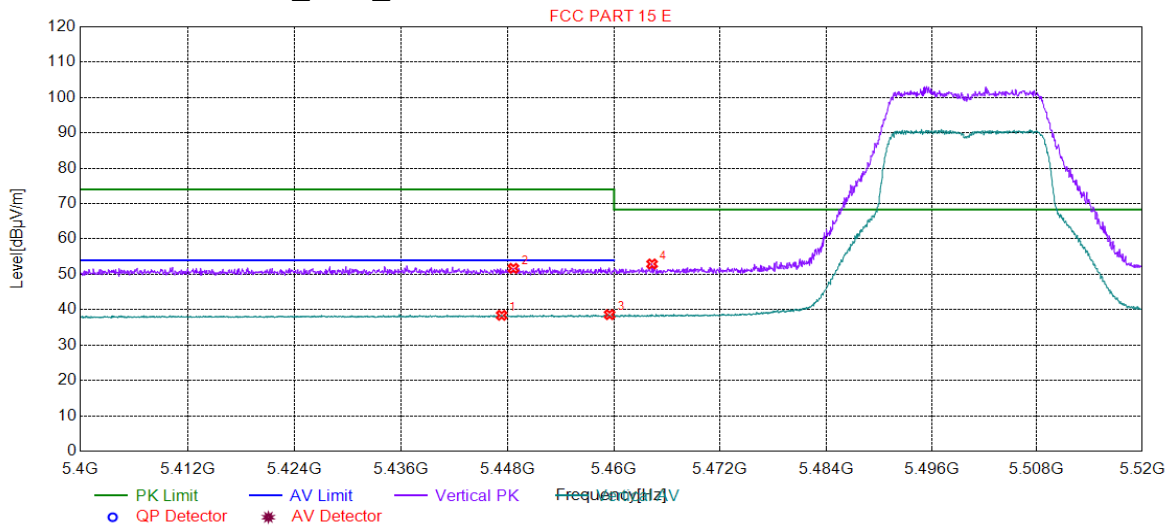


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 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

4.4.1 Test plots for W19

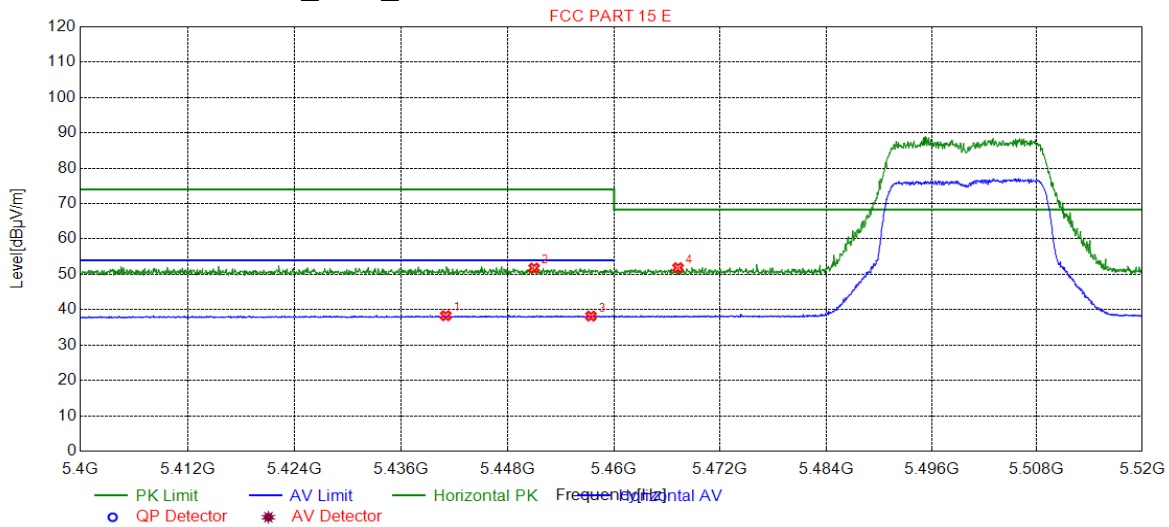
4.4.1.1 11N20_100_Veritical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5447.3037	38.42	8.02	54.00	15.58	150	263	Vertical
2	5448.6243	51.69	8.02	74.00	22.31	150	56	Vertical
3	5459.4897	38.61	8.04	54.00	15.39	150	14	Vertical
4	5464.2921	52.93	8.04	68.30	15.37	150	208	Vertical



4.4.1.2 11 N20_100 _ Horizontal



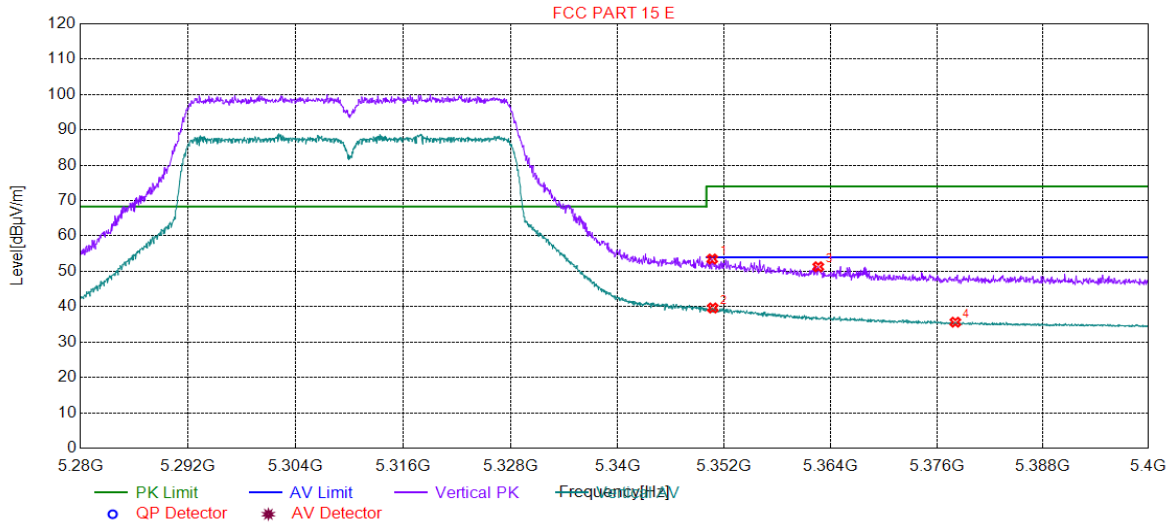
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5441.0005	38.31	8.01	54.00	15.69	150	331	Horizontal
2	5450.9655	51.78	8.02	74.00	22.22	150	304	Horizontal
3	5457.3887	38.20	8.03	54.00	15.80	150	224	Horizontal
4	5467.2336	51.87	8.05	68.30	16.43	150	346	Horizontal



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4.4.1.3 11N40_62_Vertical



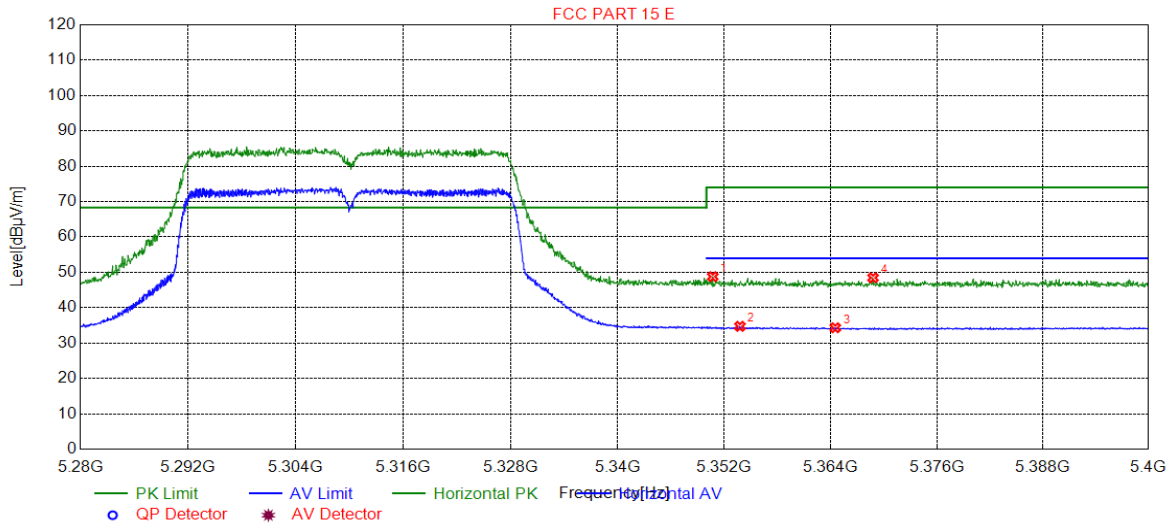
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5350.6553	53.48	7.84	74.00	20.52	150	216	Vertical
2	5350.7154	39.65	7.84	54.00	14.35	150	178	Vertical
3	5362.6013	51.30	7.87	74.00	22.70	150	197	Vertical
4	5378.0890	35.63	7.90	54.00	18.37	150	206	Vertical



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4.4.1.4 11N40_62 _ Horizontal



Suspected List

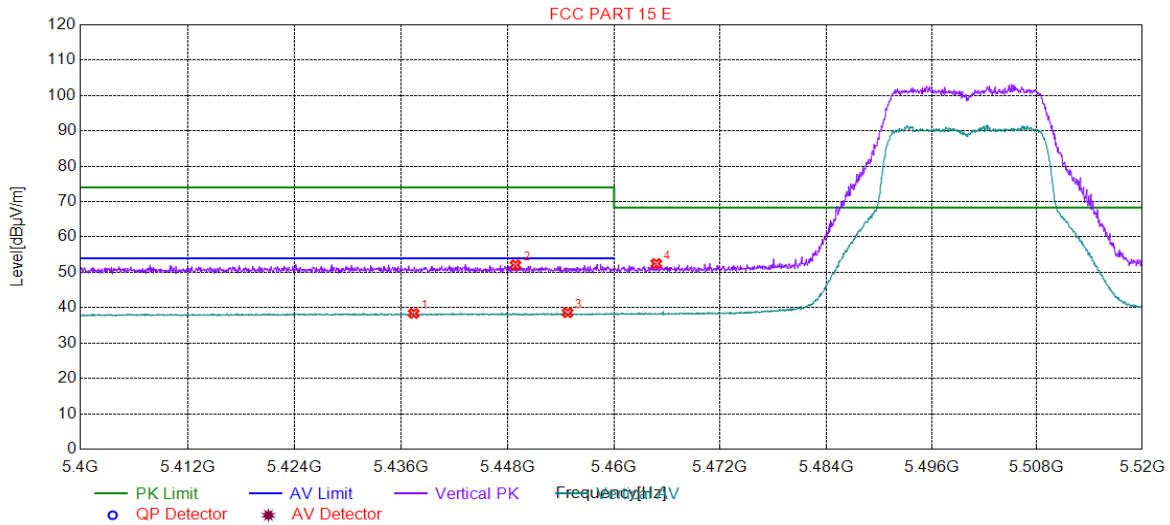
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5350.7154	48.78	7.84	74.00	25.22	150	72	Horizontal
2	5353.7769	34.74	7.85	54.00	19.26	150	330	Horizontal
3	5364.5223	34.34	7.87	54.00	19.66	150	210	Horizontal
4	5368.7844	48.47	7.88	74.00	25.53	150	72	Horizontal



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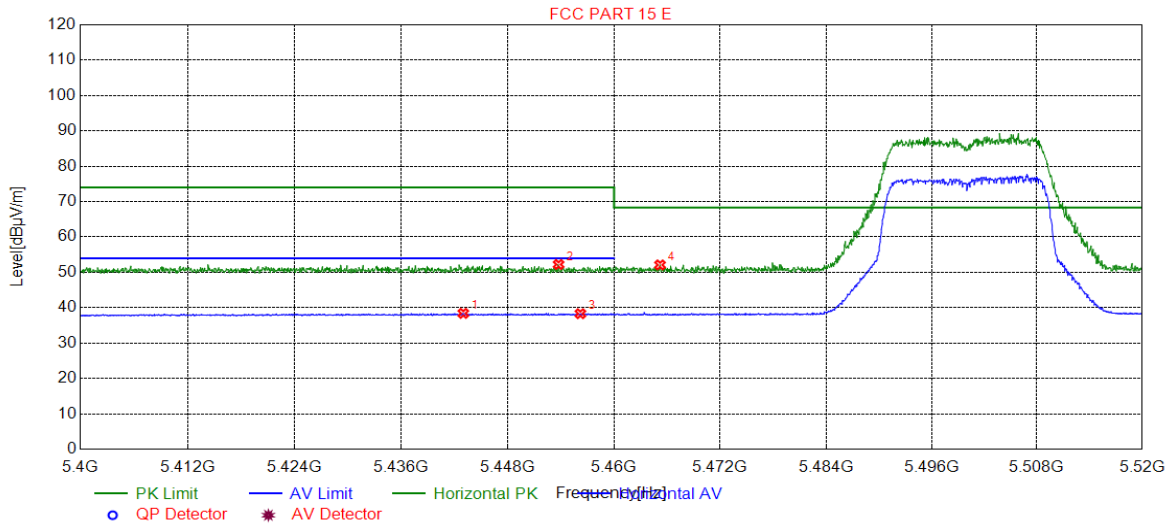
4.4.1.5 11AC20_100_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5437.3987	38.40	8.00	54.00	15.60	150	158	Vertical
2	5448.8644	52.10	8.02	74.00	21.90	150	344	Vertical
3	5454.7474	38.59	8.03	54.00	15.41	150	242	Vertical
4	5464.7724	52.48	8.04	68.30	15.82	150	166	Vertical



4.4.1.6 11 AC20_100 _ Horizontal

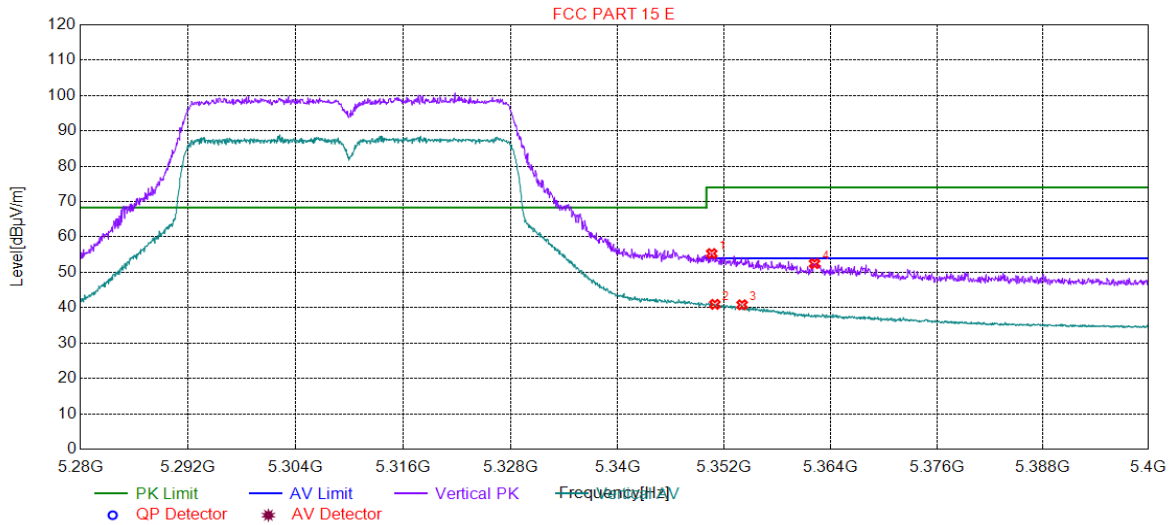


Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5442.9815	38.41	8.01	54.00	15.59	150	332	Horizontal
2	5453.7269	52.23	8.03	74.00	21.77	150	146	Horizontal
3	5456.1881	38.32	8.03	54.00	15.68	150	180	Horizontal
4	5465.1926	52.10	8.04	68.30	16.20	150	294	Horizontal



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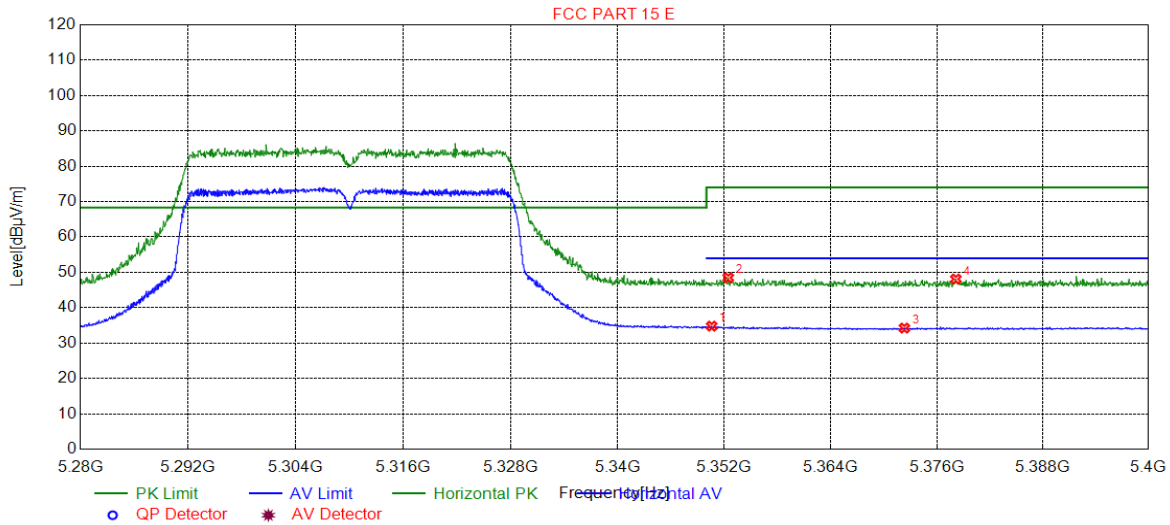
4.4.1.7 11 AC40_62_Veritical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5350.5953	55.31	7.84	74.00	18.69	150	203	Vertical
2	5350.9555	40.95	7.84	54.00	13.05	150	198	Vertical
3	5354.0170	40.83	7.85	54.00	13.17	150	198	Vertical
4	5362.1811	52.47	7.86	74.00	21.53	150	236	Vertical



4.4.1.8 11AC40_62 _ Horizontal



Suspected List

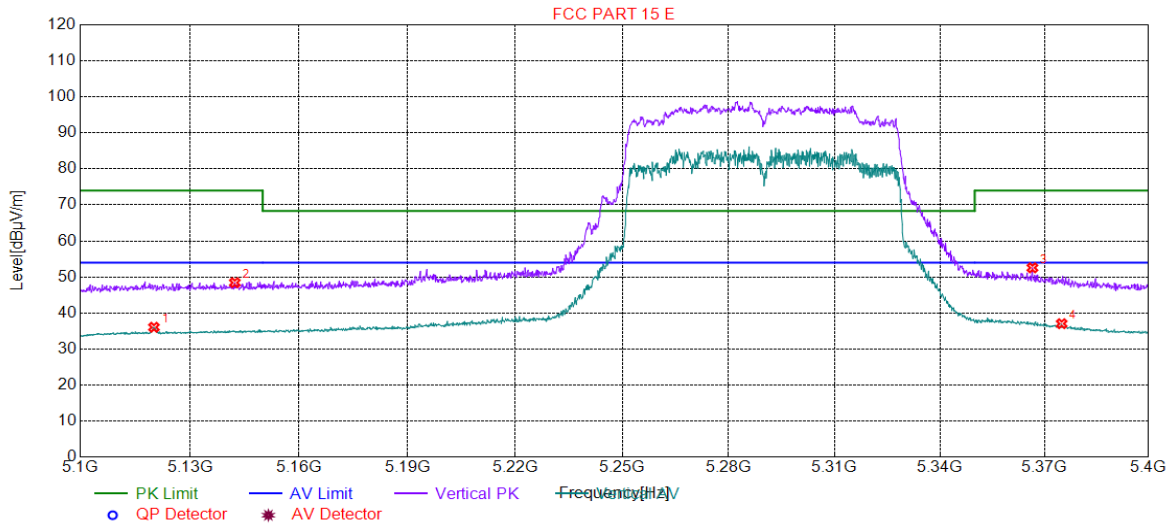
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5350.5953	34.79	7.84	54.00	19.21	150	330	Horizontal
2	5352.4562	48.48	7.84	74.00	25.52	150	294	Horizontal
3	5372.3262	34.25	7.88	54.00	19.75	150	344	Horizontal
4	5378.1491	48.11	7.90	74.00	25.89	150	155	Horizontal



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4.4.1.9 11 AC80_58_Veritical



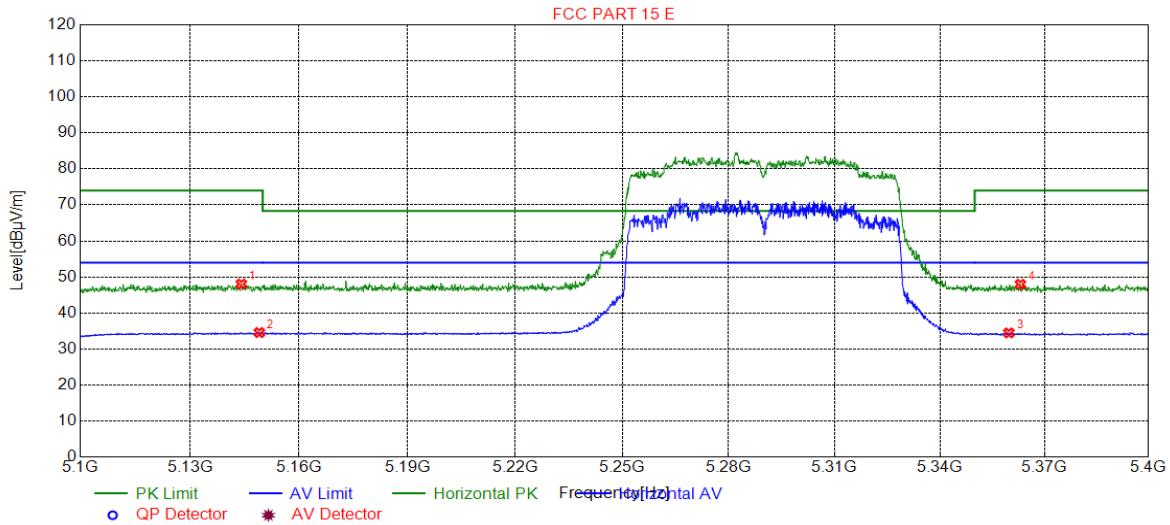
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5120.1101	36.04	7.50	54.00	17.96	150	202	Vertical
2	5142.3212	48.41	7.54	74.00	25.59	150	46	Vertical
3	5366.5333	52.54	7.87	74.00	21.46	150	202	Vertical
4	5374.9375	37.03	7.89	54.00	16.97	150	202	Vertical



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4.4.1.10 11AC80_58 _ Horizontal



Suspected List

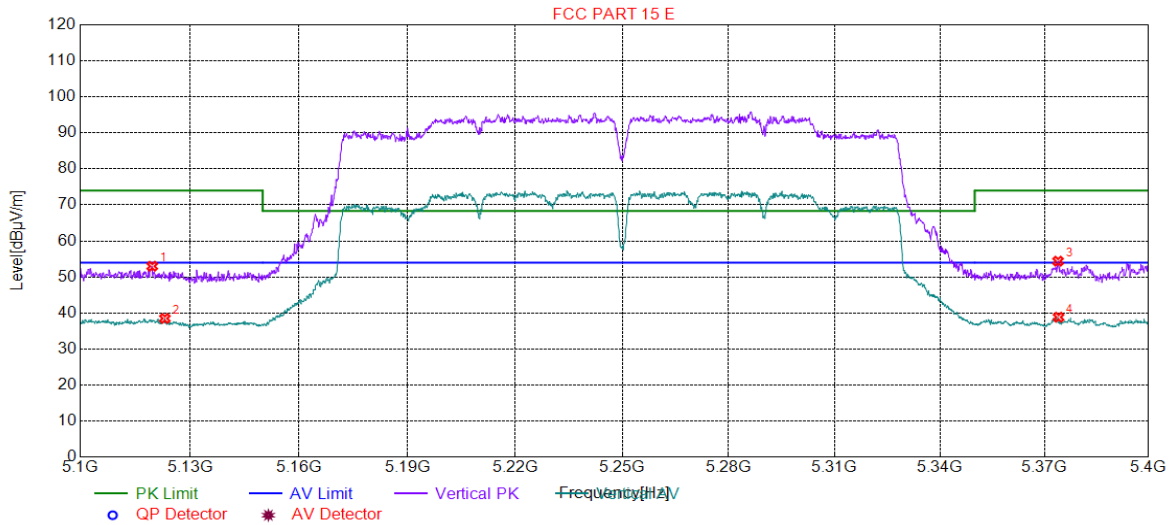
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5144.1221	48.04	7.55	74.00	25.96	150	182	Horizontal
2	5149.0745	34.57	7.55	54.00	19.43	150	211	Horizontal
3	5359.7799	34.47	7.86	54.00	19.53	150	320	Horizontal
4	5363.0815	47.97	7.87	74.00	26.03	150	182	Horizontal



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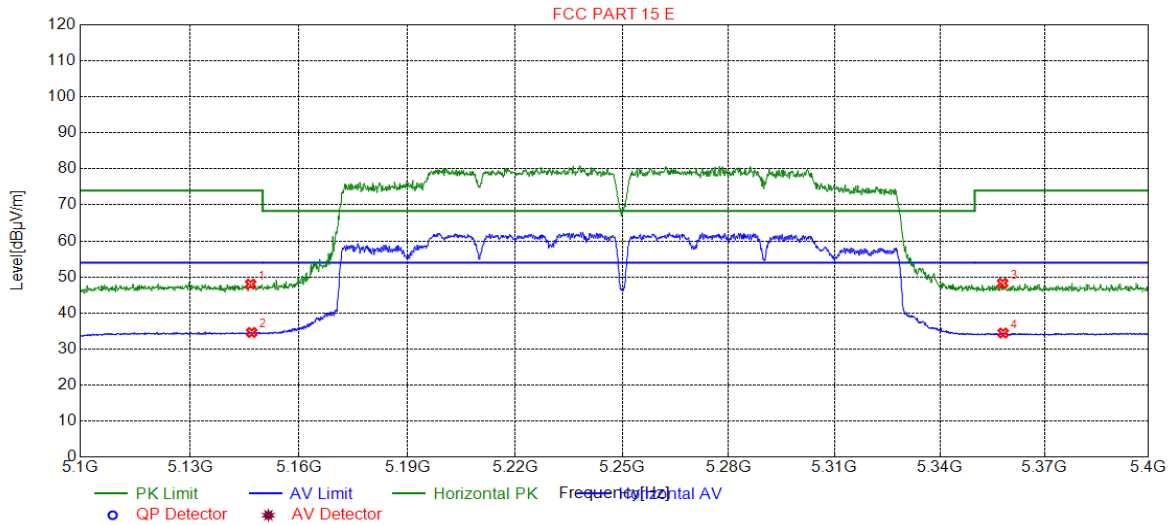
4.4.1.11 11 AC80_58_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5119.6598	52.98	7.50	74.00	21.02	150	201	Vertical
2	5123.1116	38.48	7.51	54.00	15.52	150	201	Vertical
3	5373.8869	54.38	7.89	74.00	19.62	150	204	Vertical
4	5374.0370	38.83	7.89	54.00	15.17	150	204	Vertical



4.4.1.12 11AC80_58 _ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5146.6733	48.02	7.55	74.00	25.98	150	132	Horizontal
2	5146.9735	34.60	7.55	54.00	19.40	150	140	Horizontal
3	5357.9790	48.26	7.86	74.00	25.74	150	335	Horizontal
4	5358.1291	34.45	7.86	54.00	19.55	150	324	Horizontal

Remark:

The field strength is calculated by adding the Antenna Factor, Cable Factor & Pre-amplifier. The basic equation with a sample calculation is as follows:

$$\text{Final Test Level} = \text{Receiver Reading} + \text{Antenna Factor} + \text{Cable Factor} - \text{Pre-amplifier Factor}$$

All modes have been tested, but only the worst case data displayed in this report.



4.5 Dynamic Frequency Selection

4.5.1 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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4.5.2 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
<p>Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna.</p> <p>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.</p> <p>Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.</p>	

4.5.3 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.
<p>Note 1: <i>Channel Move Time</i> and the <i>Channel Closing Transmission Time</i> should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.</p> <p>Note 2: The <i>Channel Closing Transmission Time</i> is comprised of 200 milliseconds starting at the beginning of the <i>Channel Move Time</i> plus any additional intermittent control signals required to facilitate a <i>Channel</i> 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.</p> <p>Note 3: During the <i>U-NII Detection Bandwidth</i> 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.</p>	



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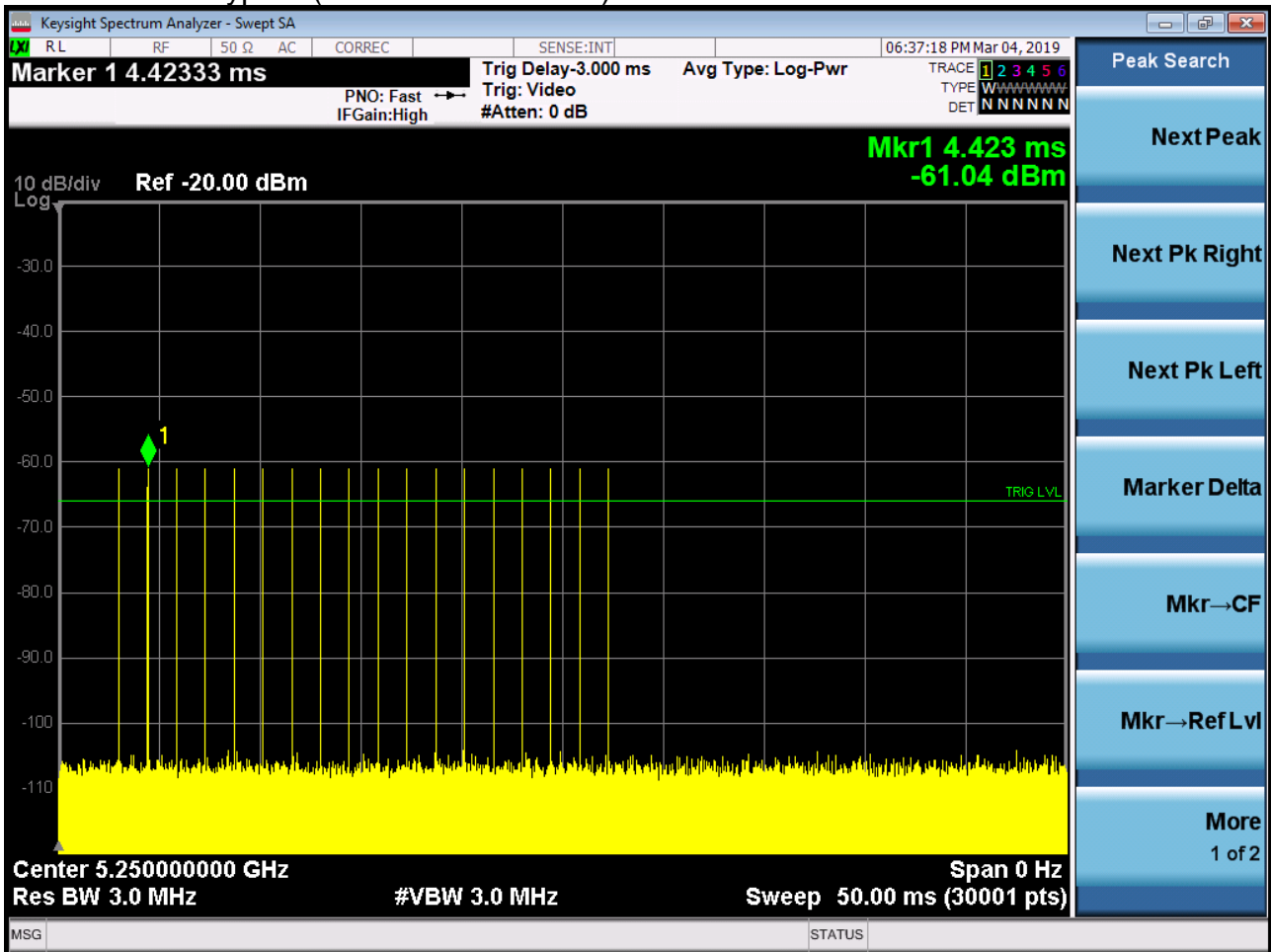
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4.5.4 Test plots

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

4.5.4.1 Radar Waveform Calibration Result

Radar Type 0 (160MHz / 5250MHz)

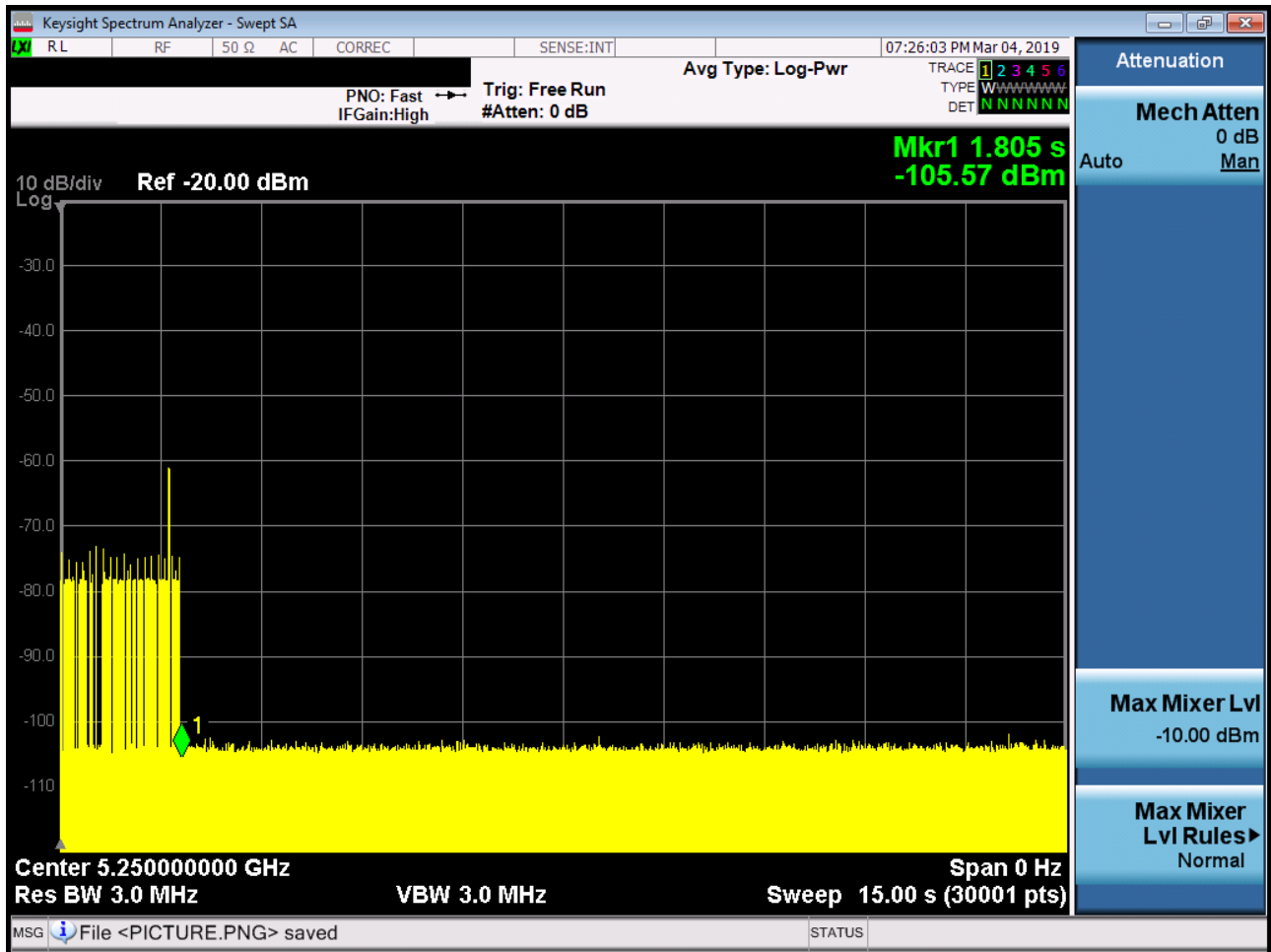


4.5.5 Test Data:

BW/Channel	Test Item	Test Result	Limit	Results
160MHz / 5250MHz	Channel Move Time	0.65s	<10s	Pass
	Channel Closing Transmission Time	4.5ms	<60ms	Pass

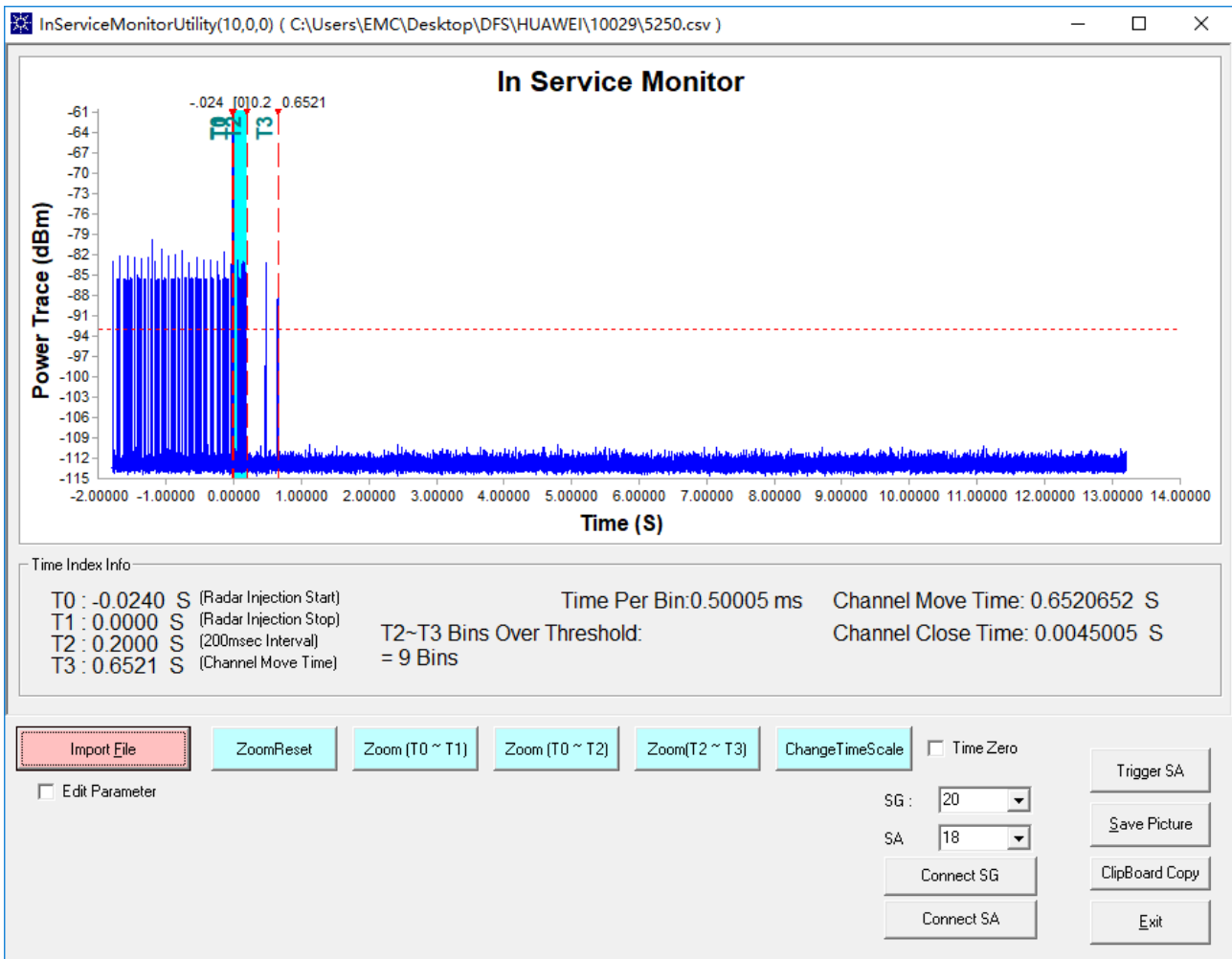
4.5.5.1 Test plots

4.5.5.1.1 Test Bandwidth/Channel= 160MHz / 5250MHz



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

No.	Item	Measurement Uncertainty
1	Radiated Spurious emission test	±4.5dB (30MHz-1GHz)
		±4.8dB (1GHz-25GHz)
2	Conduct emission test	±3.12 dB(9KHz- 30MHz)
3	Temperature test	±1°C
4	Humidity test	±3%
5	DC and low frequency voltages	±0.5%



6 Equipment List

Conducted Emission					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)
Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2017/5/10	2020/5/9
LISN	Rohde & Schwarz	ENV216	SEM007-01	2018/9/2	2019/9/2
LISN	ETS-LINDGREN	Feb-16	SEM007-02	2018/4/2	2019/4/1
Measurement Software	AUDIX	e3 V5.4.1221d	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM024-01	2018/7/12	2019/7/11
8 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T8-02	EMC0120	2019/2/11	2020/2/10
4 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T4-02	EMC0121	2019/2/11	2020/2/10
2 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T2-02	EMC0122	2019/2/11	2020/2/10
EMI Test Receiver	Rohde & Schwarz	ESCI	SEM004-02	2018/4/2	2019/4/1
RF conducted test					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2018/9/2	2019/9/2
Signal Analyzer	Rohde & Schwarz	FSV	W025-05	2018/3/13	2019/3/12
Coaxial Cable	SGS	N/A	SEM031-01	2018/7/12	2019/7/11
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2018/9/2	2019/9/2
Temperature Chamber	GIANT FORCE	ICT-150-40-CP-AR	W027-03	2018/11/27	2019/11/27
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2018/9/2	2019/9/2
Master Device	Linksys pte.Ltd	WRT32X	FCC ID:Q87-WRT3200ACM IC ID:3839A-WRT3200ACM	N/A	N/A
RE in Chamber					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2017/8/5	2020/8/4
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM025-01	2018/7/12	2019/7/11
MXE EMI Receiver (20Hz-8.4GHz)	Agilent Technologies	N9038A	SEM004-05	2018/9/2	2019/9/2
BiConiLog Antenna (26-3000MHz)	ETS-LINDGREN	3142C	SEM003-01	2017/6/27	2020/6/26
Pre-amplifier (0.1-1.3GHz)	Agilent Technologies	8447D	SEM005-01	2018/4/2	2019/4/1





RE in Chamber					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)
10m Semi-Anechoic Chamber	SAEMC	FSAC1018	SEM001-03	2018/3/31	2021/3/30
EMI Test Receiver (9k-7GHz)	Rohde & Schwarz	ESR	SEM004-03	2018/4/2	2019/4/1
Trilog-Broadband Antenna (25M-2GHz)	Schwarzbeck	VULB9168	SEM003-18	2016/6/29	2019/6/28
Pre-amplifier (9k-1GHz)	Sonoma Instrument Co	310N	SEM005-03	2018/4/13	2019/4/12
Loop Antenna (9kHz-30MHz)	ETS-Lindgren	6502	SEM003-08	2017/8/22	2020/8/21
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM029-01	2018/7/12	2019/7/11
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	2018/4/2	2019/4/1
BiConiLog Antenna (26-3000MHz)	ETS-Lindgren	3142C	SEM003-01	2017/6/27	2020/6/26
Horn Antenna (800MHz-18GHz)	Rohde & Schwarz	HF907	SEM003-07	2018/4/13	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	2018/9/2	2019/9/2
Low Noise Amplifier (100MHz-18GHz)	Black Diamond Series	BDLNA-0118-352810	SEM005-05	2018/9/2	2019/9/2
Pre-Amplifier(0.1-26.5GHz)	Compliance Directions Systems Inc.	PAP-0126	EMC2063	2018/11/20	2019/11/19
Pre-amplifier(26-40GHz)	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2018/4/2	2019/4/1
Band filter	N/A	N/A	N/A	N/A	N/A
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2018/7/12	2019/7/11

7 Photographs - EUT Test Setup Details

Refer to Appendix A - Photographs of EUT Test Setup Details for HR/2019/20007.

The End

