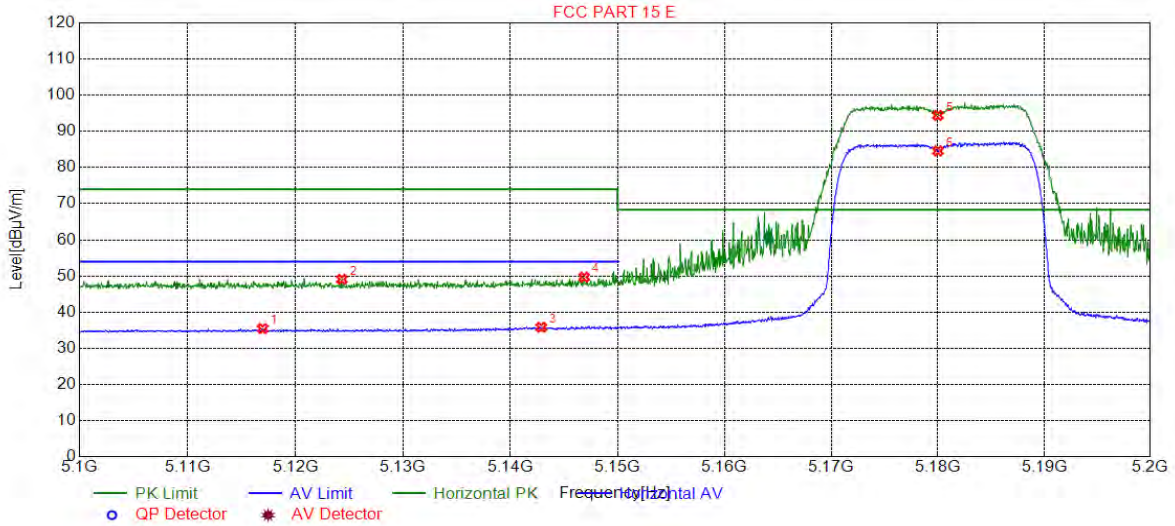
4.9.1.112 11N20_36_MIMO_ ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5116.95	35.46	7.50	54.00	18.54	150	230	Horizontal
2	5124.31	49.09	7.51	74.00	24.91	150	18	Horizontal
3	5142.87	35.82	7.54	54.00	18.18	150	230	Horizontal
4	5146.87	49.68	7.55	74.00	24.32	150	204	Horizontal
5	5180.00	94.40	7.61	68.30	-26.10	150	230	Horizontal
6	5180.00	84.61	7.61	0.00	-84.61	150	230	Horizontal

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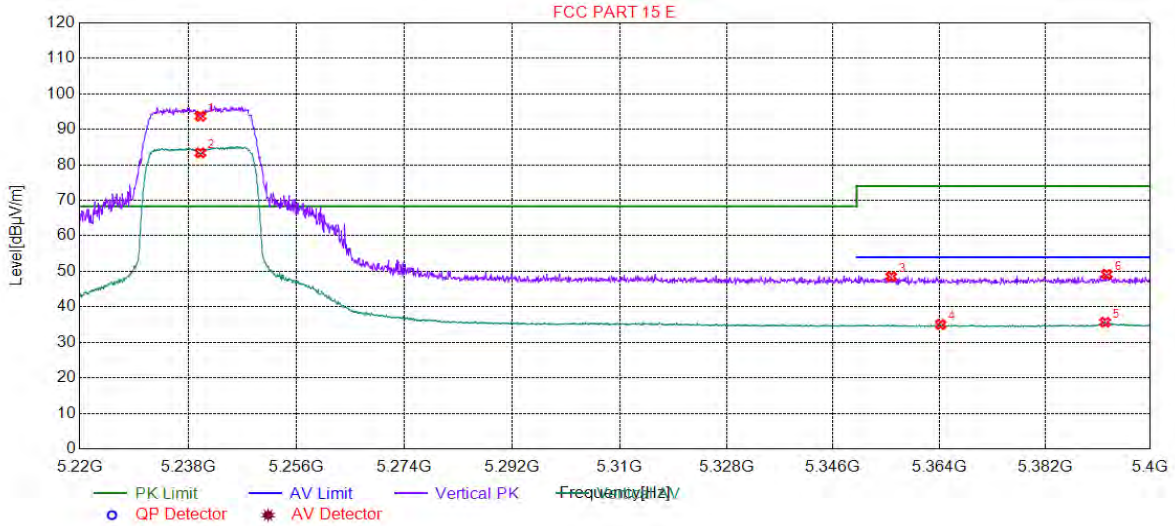
4.9.1.113 11N20_48_MIMO_ ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5240.00	93.71	7.68	68.30	-25.41	150	236	Vertical
2	5240.00	83.40	7.68	0.00	-83.40	150	226	Vertical
3	5355.87	48.53	7.85	74.00	25.47	150	58	Vertical
4	5364.25	35.05	7.87	54.00	18.95	150	207	Vertical
5	5392.25	35.67	7.92	54.00	18.33	150	221	Vertical
6	5392.52	49.20	7.93	74.00	24.80	150	221	Vertical

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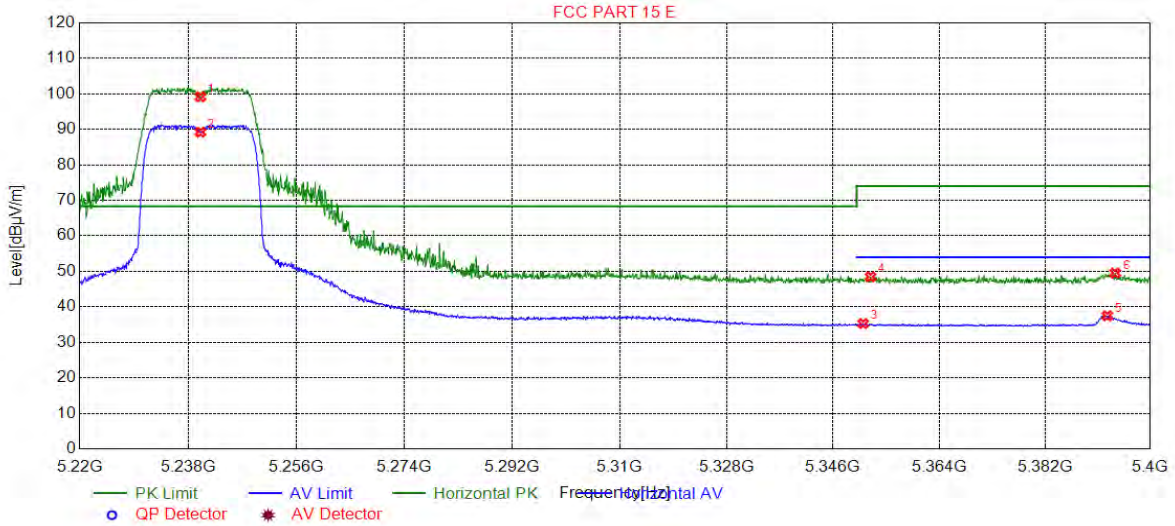
4.9.1.114 11N20_48_MIMO_ ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5240.00	99.17	7.68	68.30	-30.87	150	206	Horizontal
2	5240.00	89.23	7.68	0.00	-89.23	150	230	Horizontal
3	5351.10	35.30	7.84	54.00	18.70	150	206	Horizontal
4	5352.36	48.47	7.84	74.00	25.53	150	111	Horizontal
5	5392.61	37.47	7.93	54.00	16.53	150	230	Horizontal
6	5393.96	49.53	7.93	74.00	24.47	150	0	Horizontal

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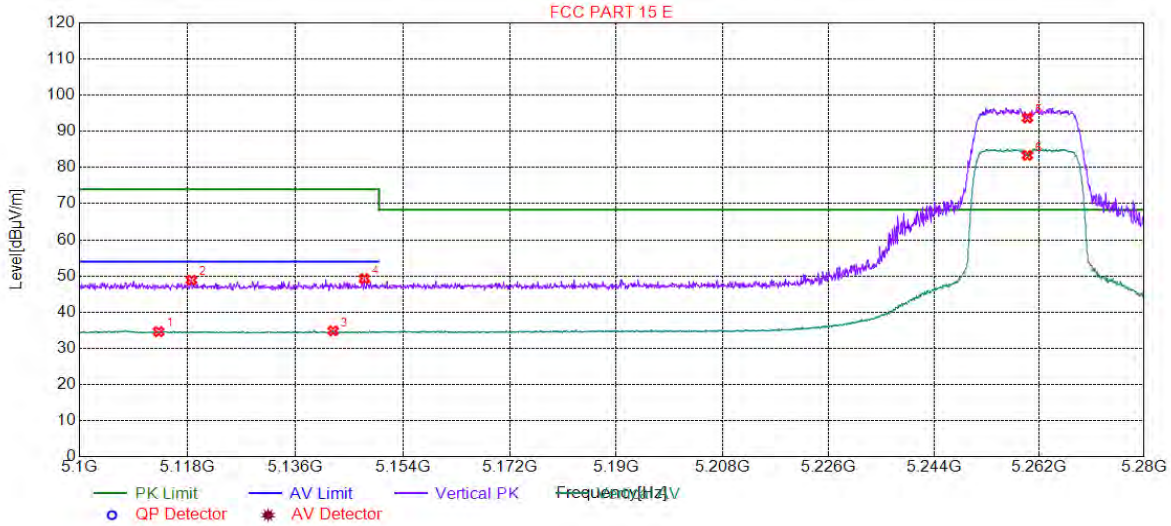
4.9.1.115 11N20_52 _MIMO_ ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5113.14	34.62	7.49	54.00	19.38	150	288	Vertical
2	5118.63	48.87	7.50	74.00	25.13	150	147	Vertical
3	5142.32	34.84	7.54	54.00	19.16	150	39	Vertical
4	5147.54	49.26	7.55	74.00	24.74	150	203	Vertical
5	5260.00	93.73	7.70	68.30	-25.43	150	241	Vertical
6	5260.00	83.34	7.70	0.00	-83.34	150	241	Vertical

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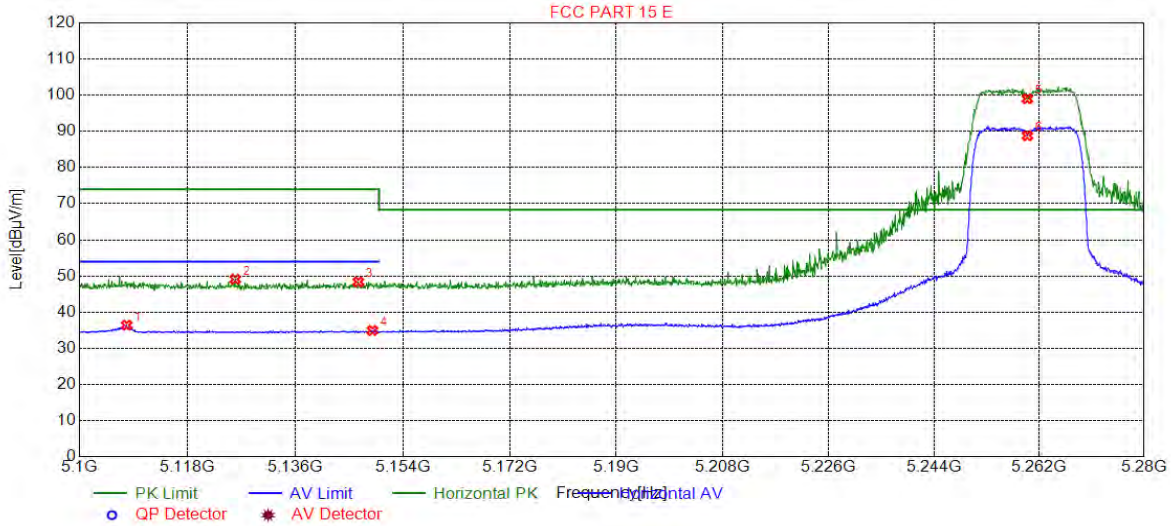
4.9.1.116 11N20_52_MIMO_ ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5107.83	36.40	7.48	54.00	17.60	150	238	Horizontal
2	5125.93	49.10	7.51	74.00	24.90	150	258	Horizontal
3	5146.55	48.38	7.55	74.00	25.62	150	263	Horizontal
4	5148.89	34.94	7.55	54.00	19.06	150	234	Horizontal
5	5260.00	99.00	7.70	68.30	-30.70	150	210	Horizontal
6	5260.00	88.78	7.70	0.00	-88.78	150	234	Horizontal

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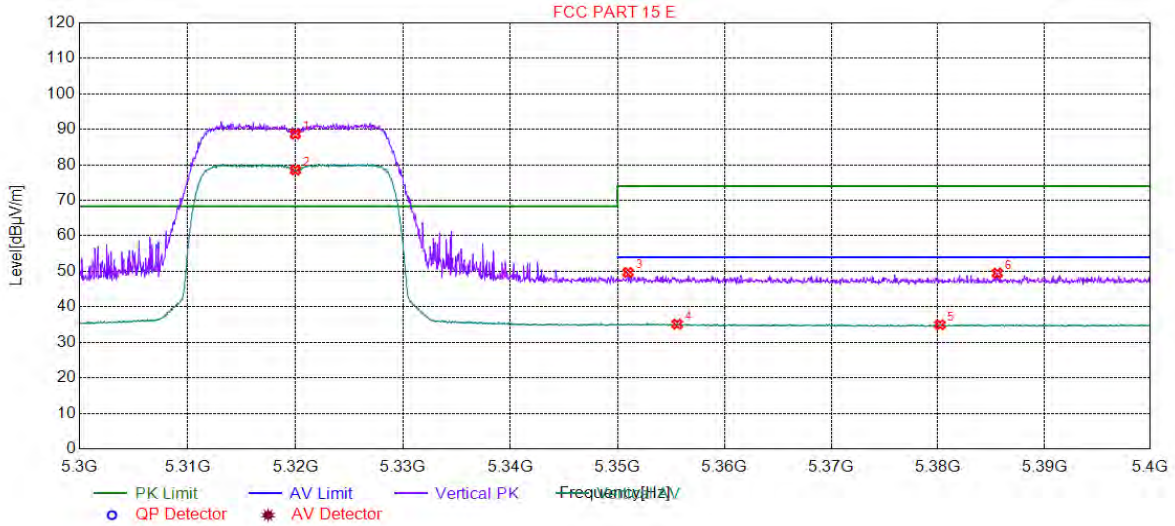
4.9.1.117 11N20_64_MIMO_ ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5320.00	88.66	7.78	68.30	-20.36	150	231	Vertical
2	5320.00	78.53	7.78	0.00	-78.53	150	296	Vertical
3	5350.97	49.69	7.84	74.00	24.31	150	310	Vertical
4	5355.57	35.13	7.85	54.00	18.87	150	296	Vertical
5	5380.19	34.96	7.90	54.00	19.04	150	291	Vertical
6	5385.59	49.49	7.91	74.00	24.51	150	337	Vertical

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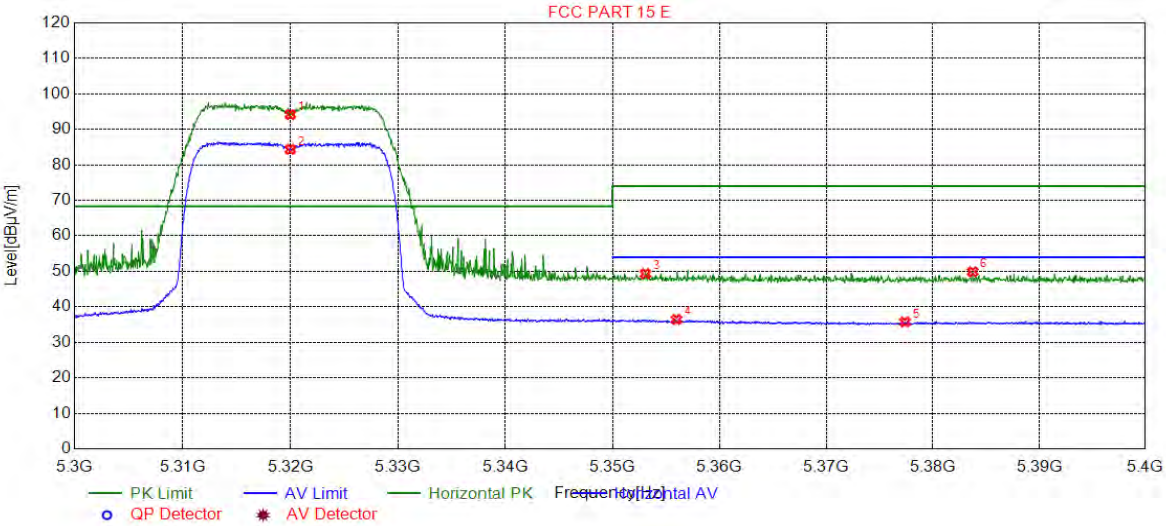
4.9.1.118 11N20_64_MIMO_ ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5320.00	94.18	7.78	68.30	-25.88	150	205	Horizontal
2	5320.00	84.38	7.78	0.00	-84.38	150	234	Horizontal
3	5353.07	49.36	7.85	74.00	24.64	150	238	Horizontal
4	5355.97	36.42	7.85	54.00	17.58	150	234	Horizontal
5	5377.38	35.74	7.89	54.00	18.26	150	214	Horizontal
6	5383.74	49.89	7.91	74.00	24.11	150	30	Horizontal

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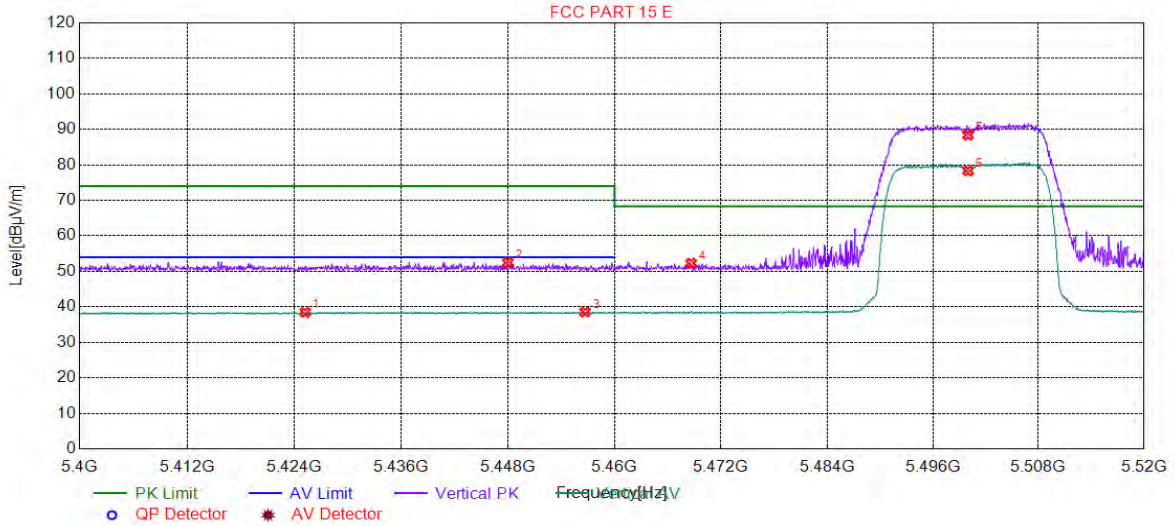
4.9.1.119 11N20_100_MIMO_ ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5425.21	38.47	7.98	54.00	15.53	150	235	Vertical
2	5447.96	52.51	8.02	74.00	21.49	150	92	Vertical
3	5456.66	38.56	8.03	54.00	15.44	150	118	Vertical
4	5468.61	52.30	8.05	68.30	16.00	150	360	Vertical
5	5500.00	88.37	8.10	68.30	-20.07	150	231	Vertical
6	5500.00	78.30	8.10	0.00	-78.30	150	163	Vertical

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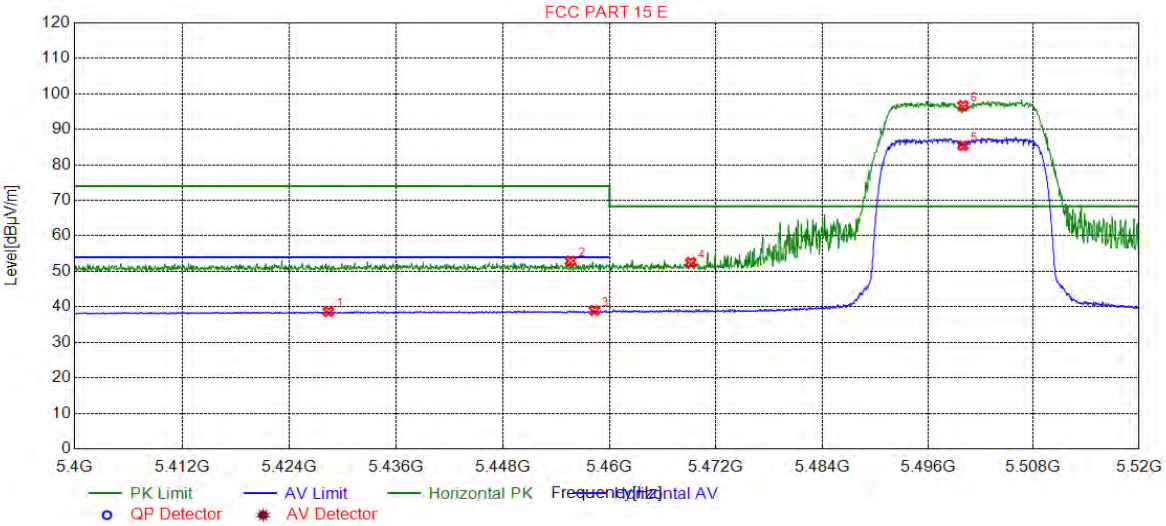
4.9.1.120 11N20_100_MIMO_ ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5428.39	38.66	7.99	54.00	15.34	150	229	Horizontal
2	5455.58	52.92	8.03	74.00	21.08	150	233	Horizontal
3	5458.28	38.97	8.03	54.00	15.03	150	229	Horizontal
4	5469.15	52.52	8.05	68.30	15.78	150	209	Horizontal
5	5500.00	85.38	8.10	0.00	-85.38	150	233	Horizontal
6	5500.00	96.73	8.10	68.30	-28.43	150	233	Horizontal

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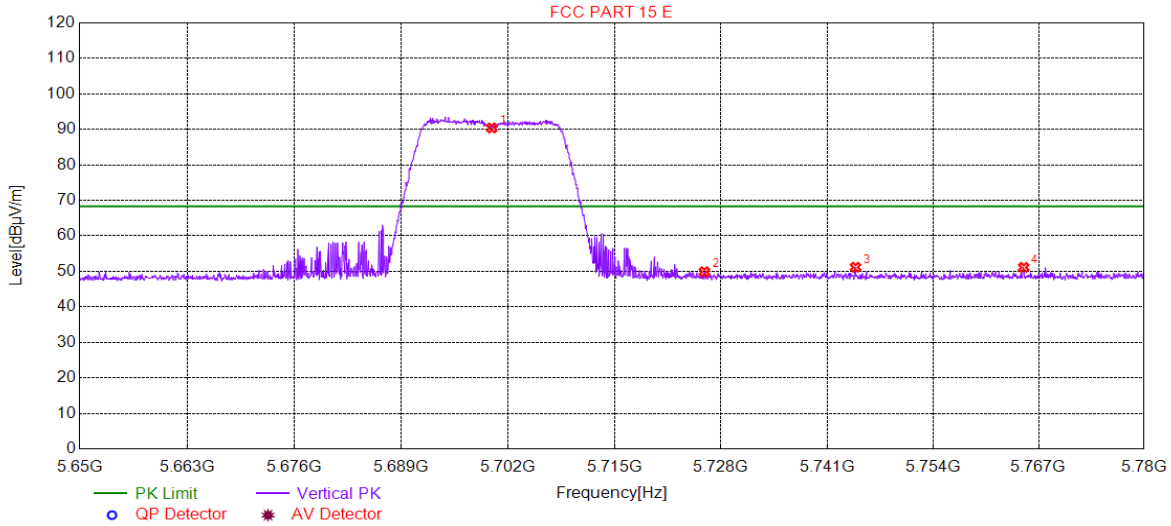
4.9.1.121 11N20_140_MIMO_ ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5700.00	90.39	8.51	68.30	-22.09	150	292	Vertical
2	5725.95	49.87	8.57	68.30	18.43	150	292	Vertical
3	5744.49	51.17	8.61	68.30	17.13	150	19	Vertical
4	5765.17	51.12	8.66	68.30	17.18	150	26	Vertical

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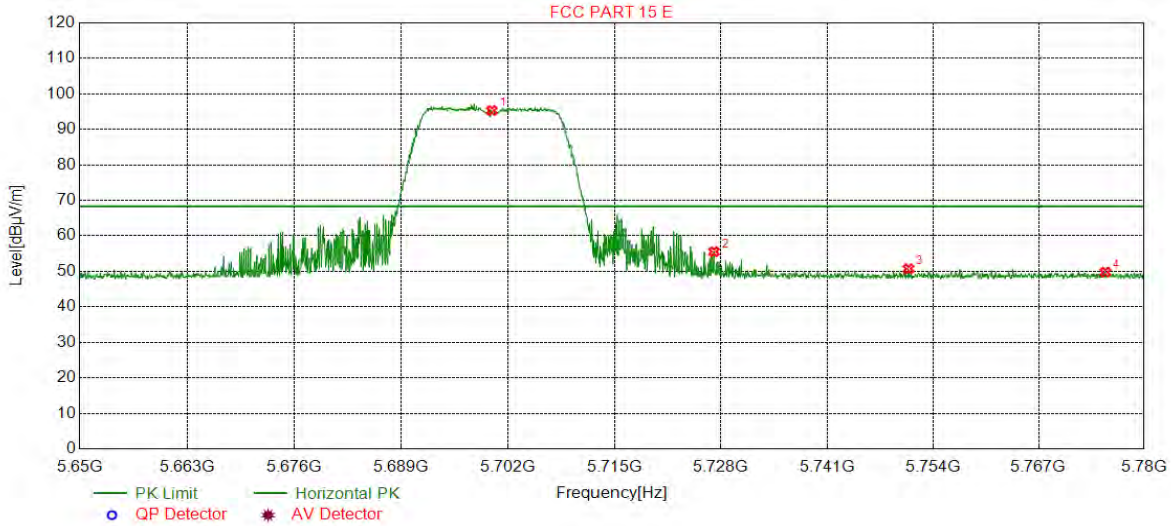
4.9.1.122 11N20_140 _MIMO_ ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5700.00	95.31	8.51	68.30	-27.01	150	105	Horizontal
2	5727.12	55.53	8.57	68.30	12.77	150	213	Horizontal
3	5750.99	50.72	8.63	68.30	17.58	150	130	Horizontal
4	5775.25	49.78	8.68	68.30	18.52	150	137	Horizontal

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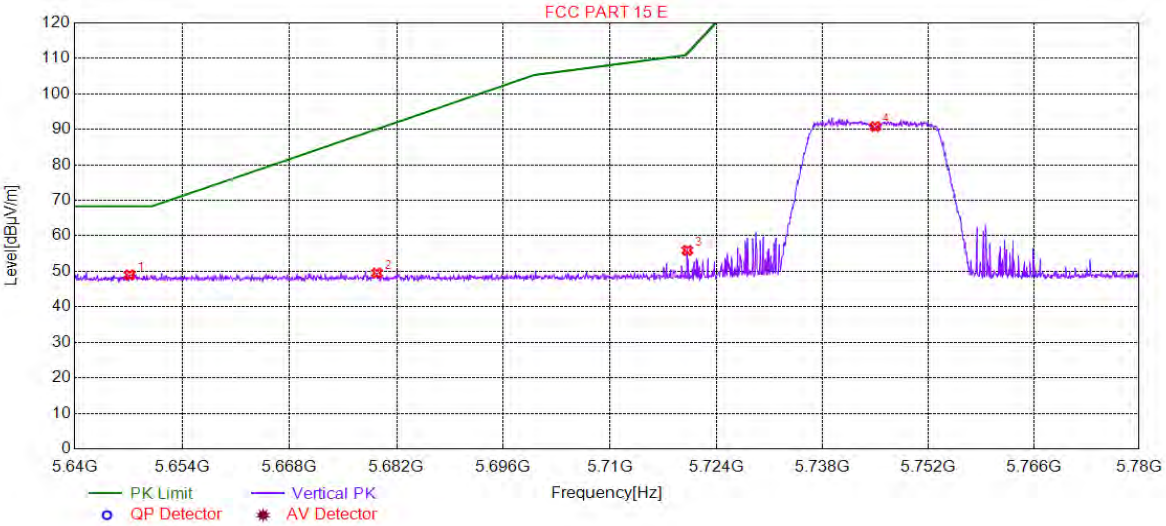
4.9.1.123 11N20_149_MIMO_ ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5647.14	48.98	8.43	68.30	19.32	150	16	Vertical
2	5679.42	49.53	8.48	90.08	40.55	150	159	Vertical
3	5720.19	55.92	8.56	111.33	55.41	150	274	Vertical
4	5745.00	90.79	8.61	0.00	-90.79	150	222	Vertical

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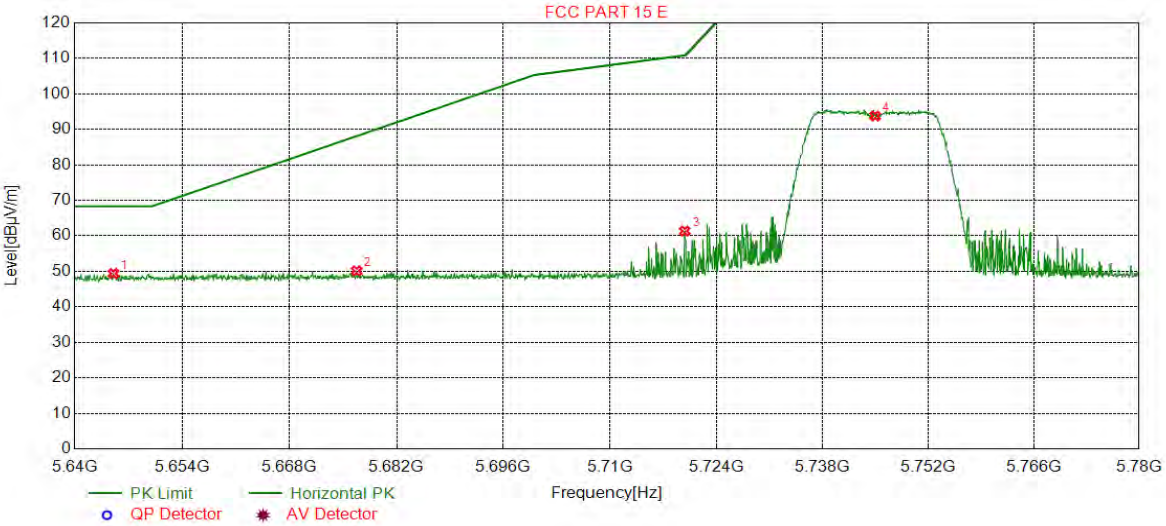
4.9.1.124 11N20_149_MIMO_ ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5645.04	49.39	8.42	68.30	18.91	150	93	Horizontal
2	5676.76	50.13	8.47	88.11	37.98	150	68	Horizontal
3	5719.83	61.38	8.56	110.86	49.48	150	230	Horizontal
4	5745.00	93.77	8.61	0.00	-93.77	150	235	Horizontal

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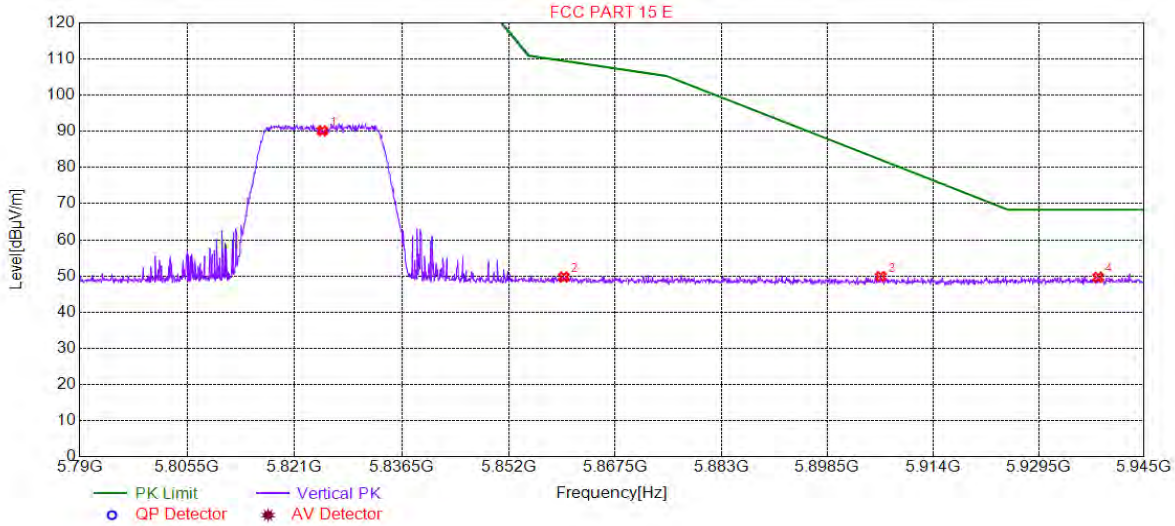
4.9.1.125 11N20_165_MIMO_ ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5825.00	90.15	8.82	0.00	-90.15	150	271	Vertical
2	5860.01	49.72	8.92	109.50	59.78	150	275	Vertical
3	5906.30	49.87	9.06	82.13	32.26	150	258	Vertical
4	5938.25	49.68	9.15	68.30	18.62	150	114	Vertical

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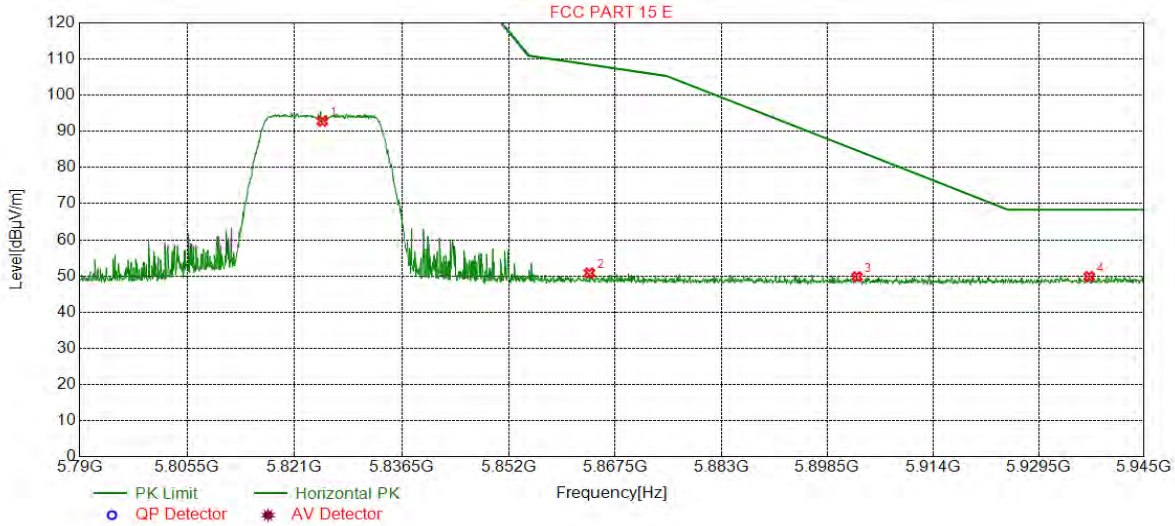
4.9.1.126 11N20_165_MIMO_ ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5825.00	92.80	8.82	0.00	-92.80	150	48	Horizontal
2	5863.73	50.82	8.93	108.45	57.63	150	295	Horizontal
3	5902.81	49.80	9.05	84.71	34.91	150	100	Horizontal
4	5936.93	49.85	9.15	68.30	18.45	150	87	Horizontal

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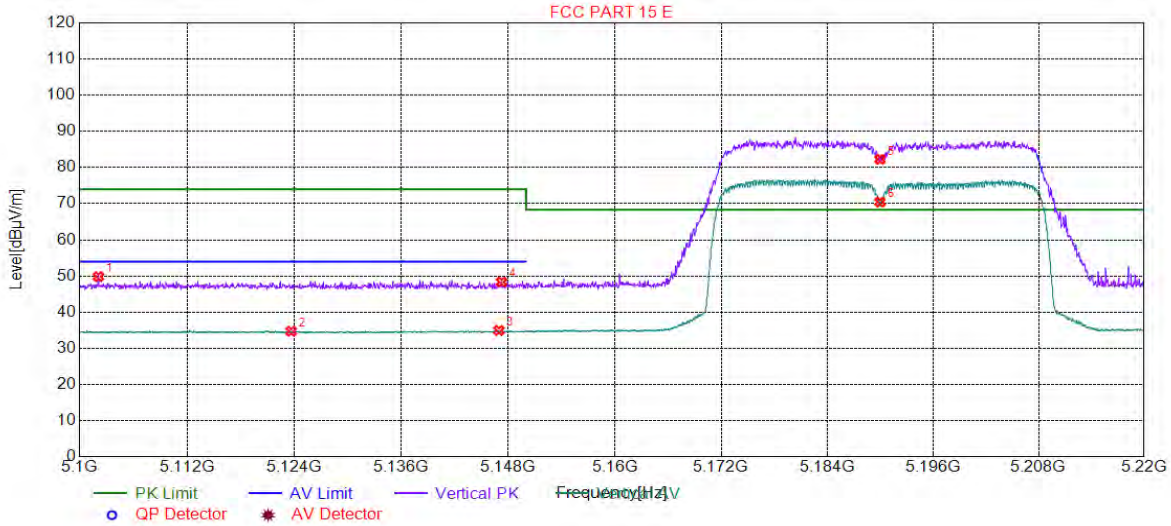
4.9.1.127 11N40_38_MIMO_ ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5102.10	49.83	7.47	74.00	24.17	150	172	Vertical
2	5123.65	34.71	7.51	54.00	19.29	150	63	Vertical
3	5146.94	34.95	7.55	54.00	19.05	150	307	Vertical
4	5147.24	48.35	7.55	74.00	25.65	150	190	Vertical
5	5190.00	82.26	7.62	68.30	-13.96	150	243	Vertical
6	5190.00	70.47	7.62	0.00	-70.47	150	235	Vertical

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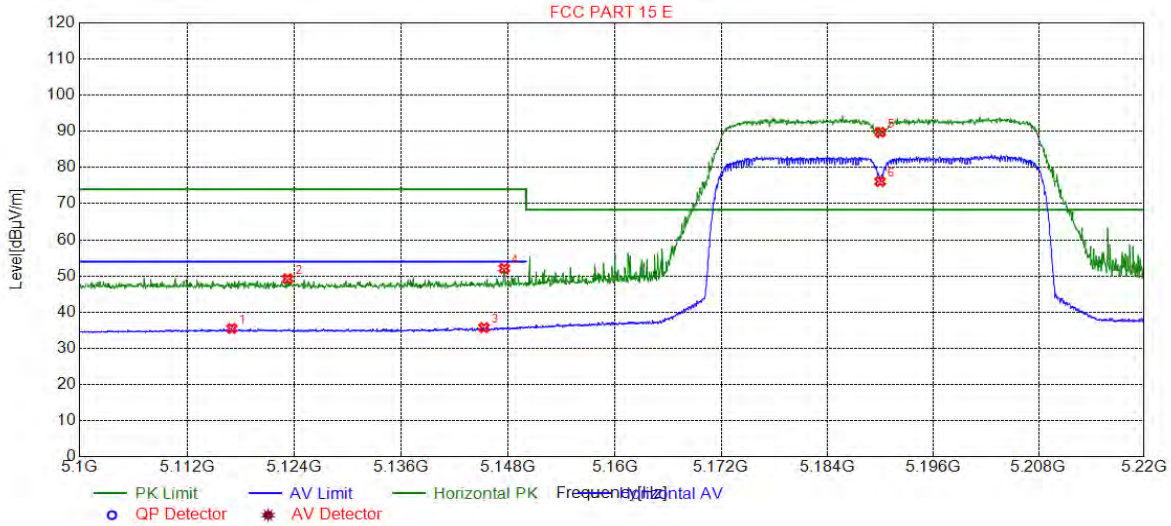
4.9.1.128 11N40_38_MIMO_ ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5116.98	35.48	7.50	54.00	18.52	150	235	Horizontal
2	5123.23	49.23	7.51	74.00	24.77	150	205	Horizontal
3	5145.26	35.73	7.55	54.00	18.27	150	235	Horizontal
4	5147.54	52.11	7.55	74.00	21.89	150	244	Horizontal
5	5190.00	89.75	7.62	68.30	-21.45	150	228	Horizontal
6	5190.00	76.13	7.62	0.00	-76.13	150	212	Horizontal

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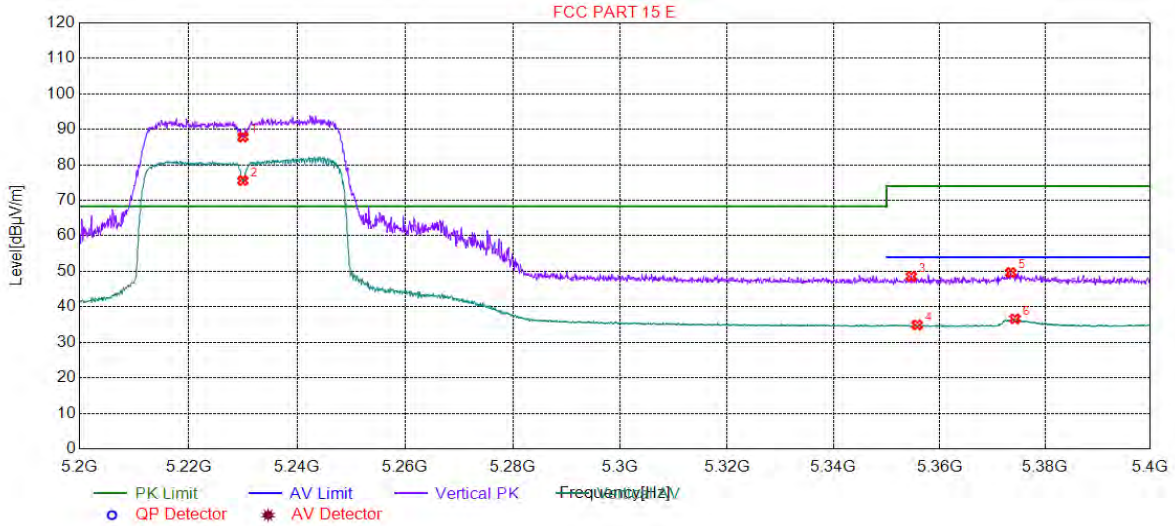
4.9.1.129 11N40_46_MIMO_ ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5230.00	87.84	7.67	68.30	-19.54	150	292	Vertical
2	5230.00	75.58	7.67	0.00	-75.58	150	316	Vertical
3	5354.67	48.57	7.85	74.00	25.43	150	123	Vertical
4	5355.77	34.91	7.85	54.00	19.09	150	273	Vertical
5	5373.48	49.67	7.89	74.00	24.33	150	128	Vertical
6	5374.28	36.63	7.89	54.00	17.37	150	231	Vertical

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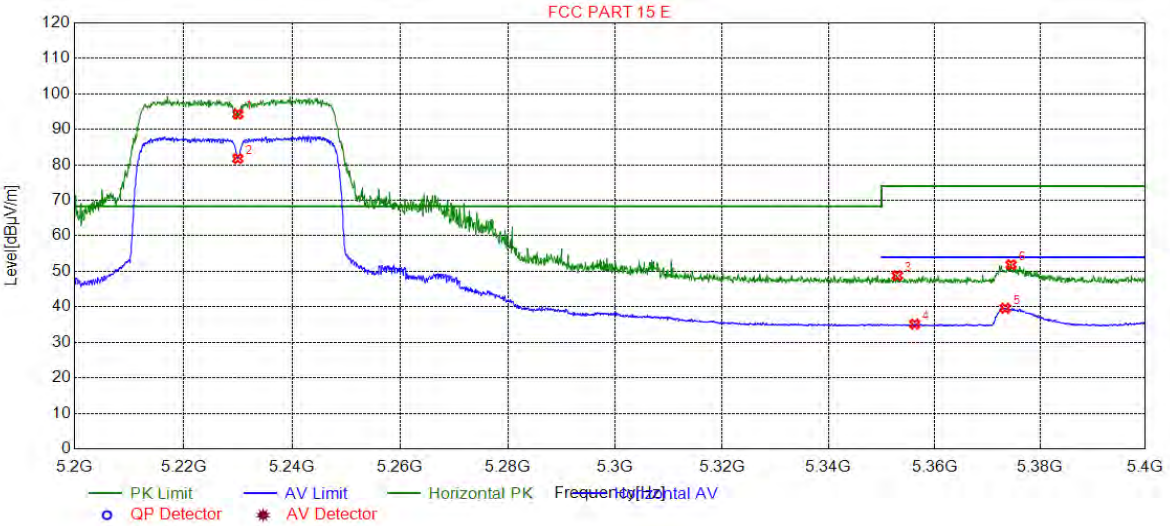
4.9.1.130 11N40_46_MIMO_ ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5230.00	94.31	7.67	68.30	-26.01	150	226	Horizontal
2	5230.00	81.76	7.67	0.00	-81.76	150	230	Horizontal
3	5352.97	48.81	7.85	74.00	25.19	150	292	Horizontal
4	5356.27	35.15	7.85	54.00	18.85	150	221	Horizontal
5	5373.38	39.61	7.89	54.00	14.39	150	230	Horizontal
6	5374.48	51.87	7.89	74.00	22.13	150	226	Horizontal

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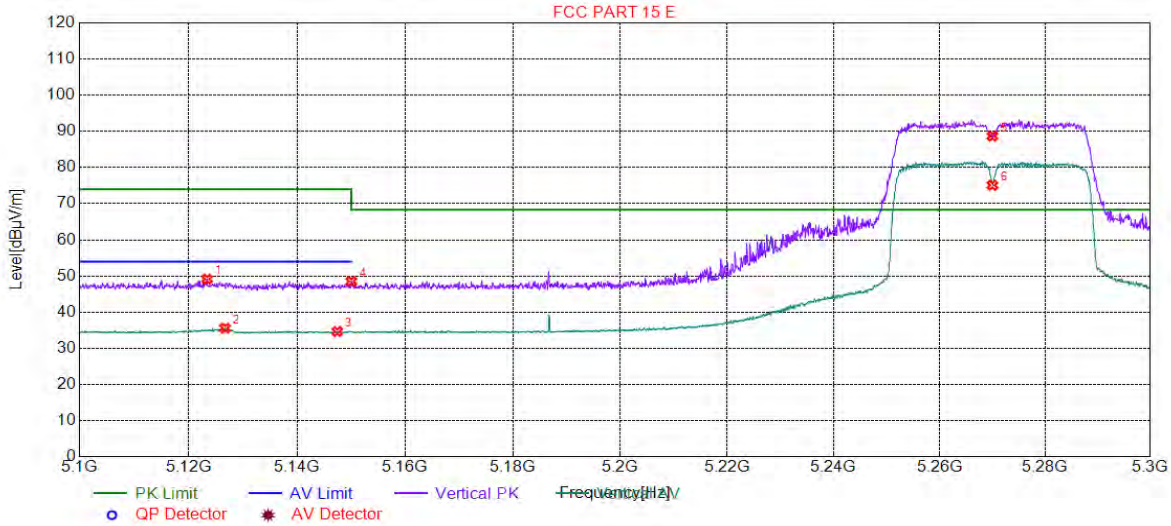
4.9.1.131 11N40_54 _MIMO_ ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5123.41	49.15	7.51	74.00	24.85	150	20	Vertical
2	5126.71	35.57	7.52	54.00	18.43	150	300	Vertical
3	5147.42	34.64	7.55	54.00	19.36	150	240	Vertical
4	5150.02	48.54	7.56	68.30	19.76	150	132	Vertical
5	5270.00	88.68	7.71	68.30	-20.38	150	324	Vertical
6	5270.00	75.10	7.71	0.00	-75.10	150	236	Vertical

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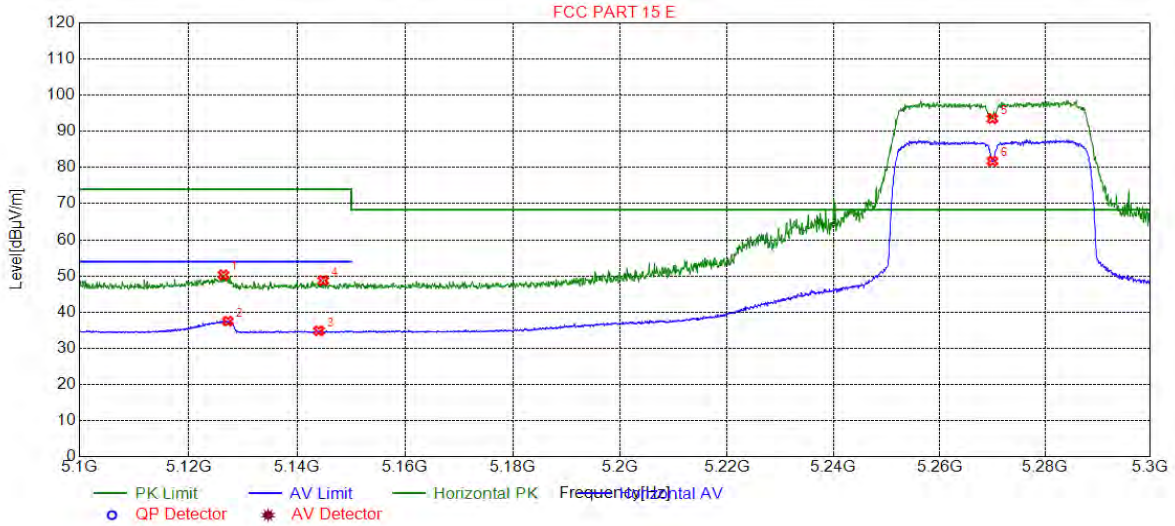
4.9.1.132 11N40_54 _MIMO_ ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5126.41	50.30	7.51	74.00	23.70	150	77	Horizontal
2	5127.21	37.52	7.52	54.00	16.48	150	235	Horizontal
3	5144.02	34.85	7.54	54.00	19.15	150	12	Horizontal
4	5144.82	48.72	7.55	74.00	25.28	150	31	Horizontal
5	5270.00	93.52	7.71	68.30	-25.22	150	240	Horizontal
6	5270.00	81.77	7.71	0.00	-81.77	150	235	Horizontal

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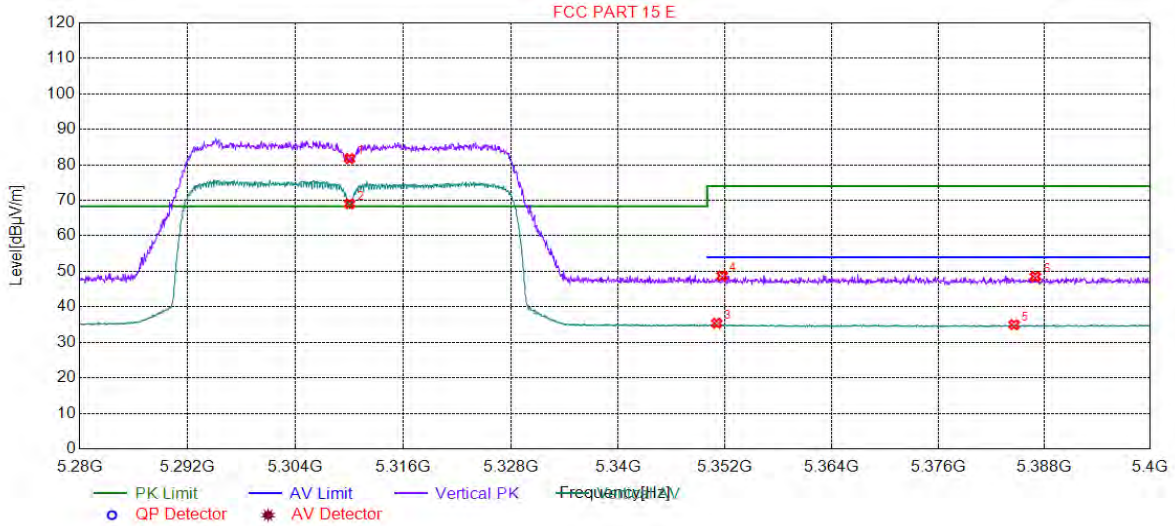
4.9.1.133 11N40_62_MIMO_ ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5310.00	81.75	7.76	68.30	-13.45	150	226	Vertical
2	5310.00	69.02	7.76	0.00	-69.02	150	222	Vertical
3	5351.07	35.38	7.84	54.00	18.62	150	306	Vertical
4	5351.67	48.76	7.84	74.00	25.24	150	16	Vertical
5	5384.57	34.99	7.91	54.00	19.01	150	109	Vertical
6	5386.97	48.52	7.91	74.00	25.48	150	30	Vertical

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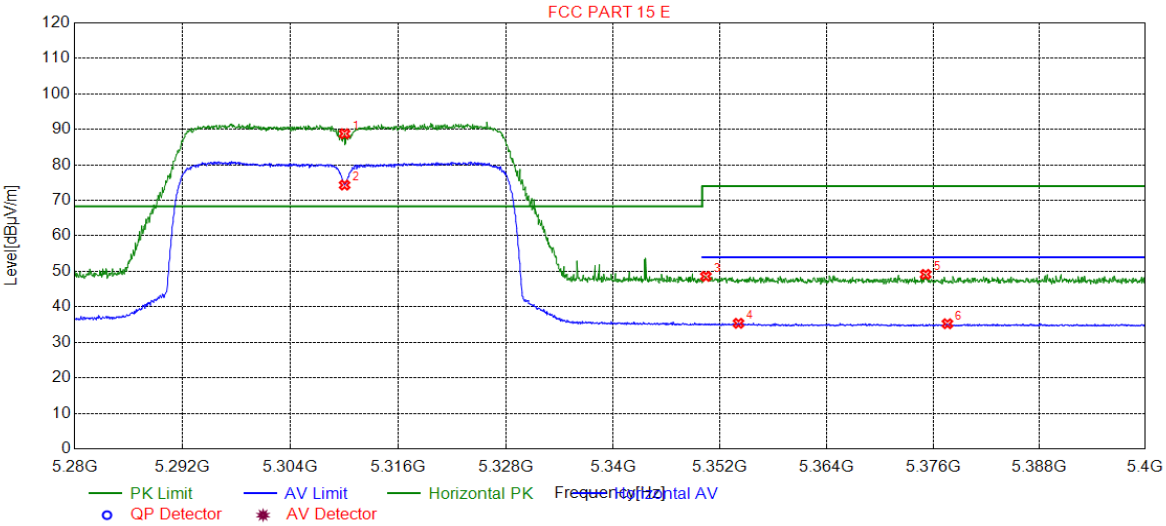
4.9.1.134 11N40_62 _MIMO_ ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5310.00	88.78	7.76	68.30	-20.48	150	228	Horizontal
2	5310.00	74.30	7.76	0.00	-74.30	150	228	Horizontal
3	5350.41	48.60	7.84	74.00	25.40	150	81	Horizontal
4	5354.07	35.37	7.85	54.00	18.63	150	340	Horizontal
5	5375.14	49.16	7.89	74.00	24.84	150	106	Horizontal
6	5377.60	35.25	7.90	54.00	18.75	150	72	Horizontal

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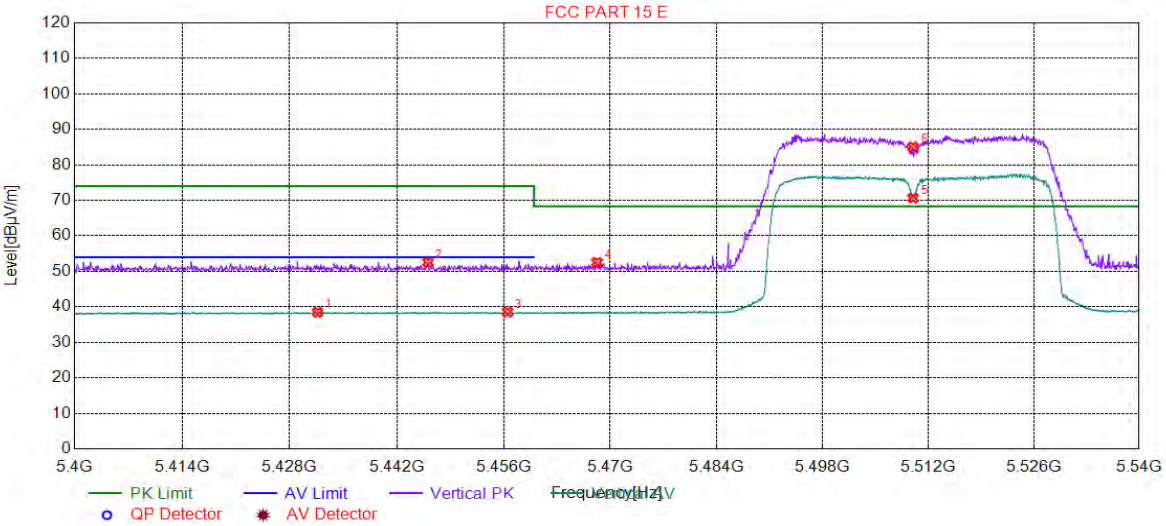
4.9.1.135 11N40_102 _MIMO_ ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5431.65	38.47	7.99	54.00	15.53	150	269	Vertical
2	5446.08	52.54	8.01	74.00	21.46	150	72	Vertical
3	5456.51	38.55	8.03	54.00	15.45	150	53	Vertical
4	5468.28	52.54	8.05	68.30	15.76	150	222	Vertical
5	5510.00	70.68	8.13	0.00	-70.68	150	278	Vertical
6	5510.00	85.09	8.13	68.30	-16.79	150	278	Vertical

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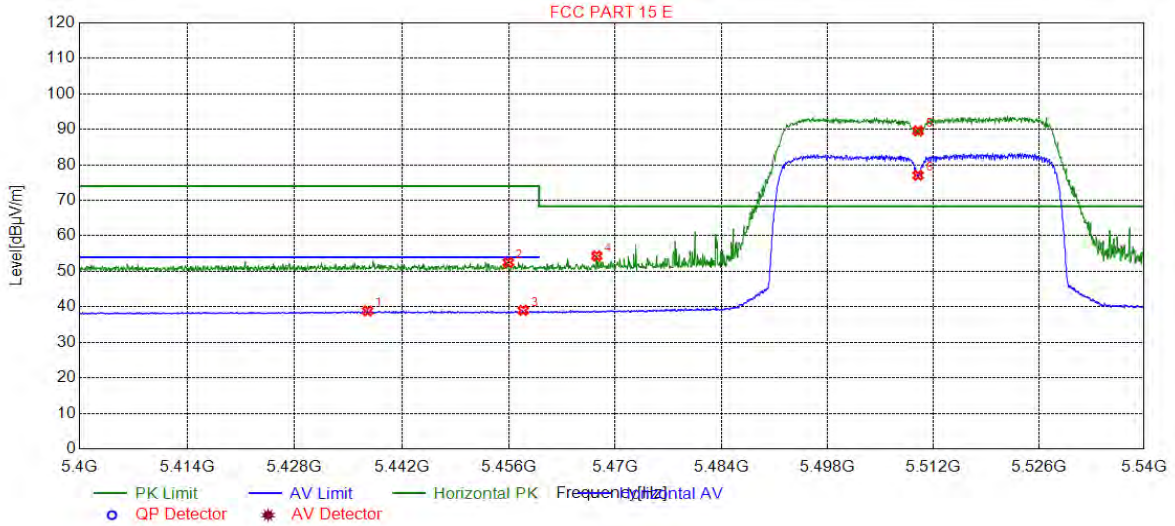
4.9.1.136 11N40_102_MIMO_ ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5437.53	38.86	8.00	54.00	15.14	150	228	Horizontal
2	5455.95	52.51	8.03	74.00	21.49	150	10	Horizontal
3	5457.91	39.02	8.03	54.00	14.98	150	76	Horizontal
4	5467.58	54.37	8.05	68.30	13.93	150	71	Horizontal
5	5510.00	89.57	8.13	68.30	-21.27	150	223	Horizontal
6	5510.00	77.05	8.13	0.00	-77.05	150	228	Horizontal

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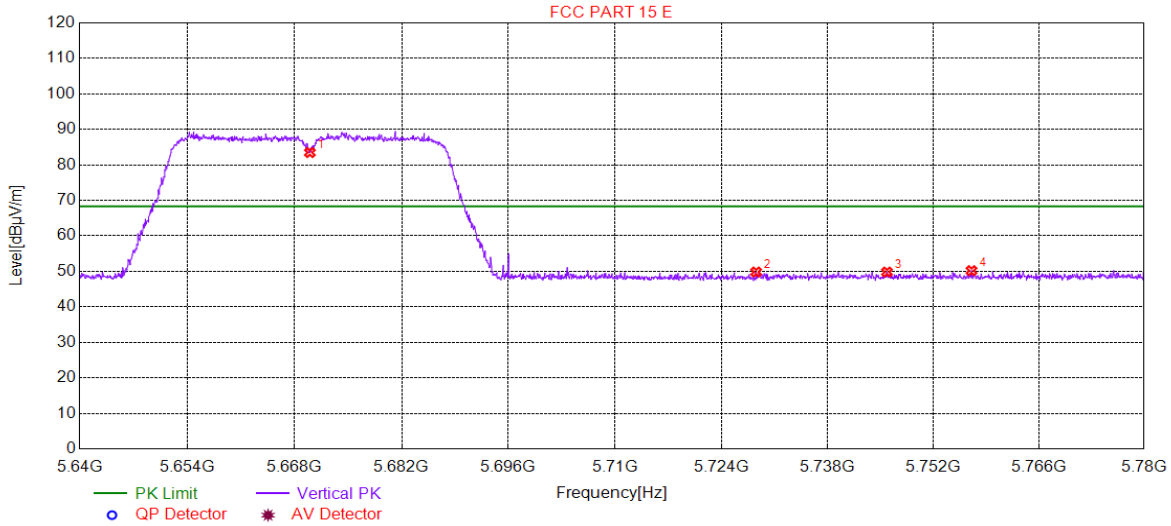
4.9.1.137 11N40_134_MIMO_ ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5670.00	83.47	8.46	68.30	-15.17	150	268	Vertical
2	5728.59	49.82	8.58	68.30	18.48	150	352	Vertical
3	5745.89	49.81	8.62	68.30	18.49	150	138	Vertical
4	5757.09	50.20	8.64	68.30	18.10	150	54	Vertical

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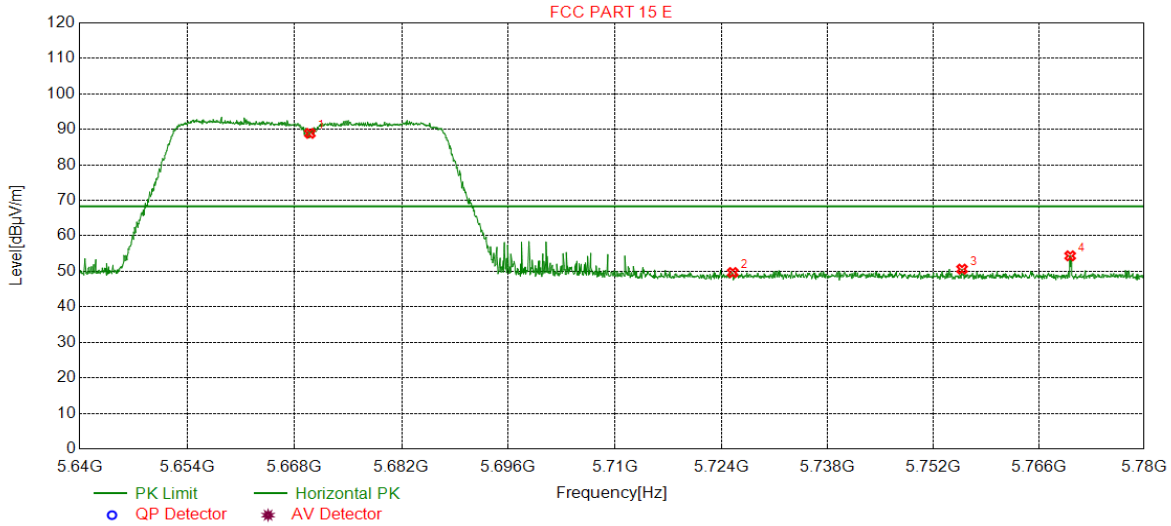
4.9.1.138 11N40_134_MIMO_ ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5670.00	88.88	8.46	68.30	-20.58	150	70	Horizontal
2	5725.51	49.67	8.57	68.30	18.63	150	124	Horizontal
3	5755.83	50.64	8.64	68.30	17.66	150	305	Horizontal
4	5770.19	54.37	8.67	68.30	13.93	150	237	Horizontal

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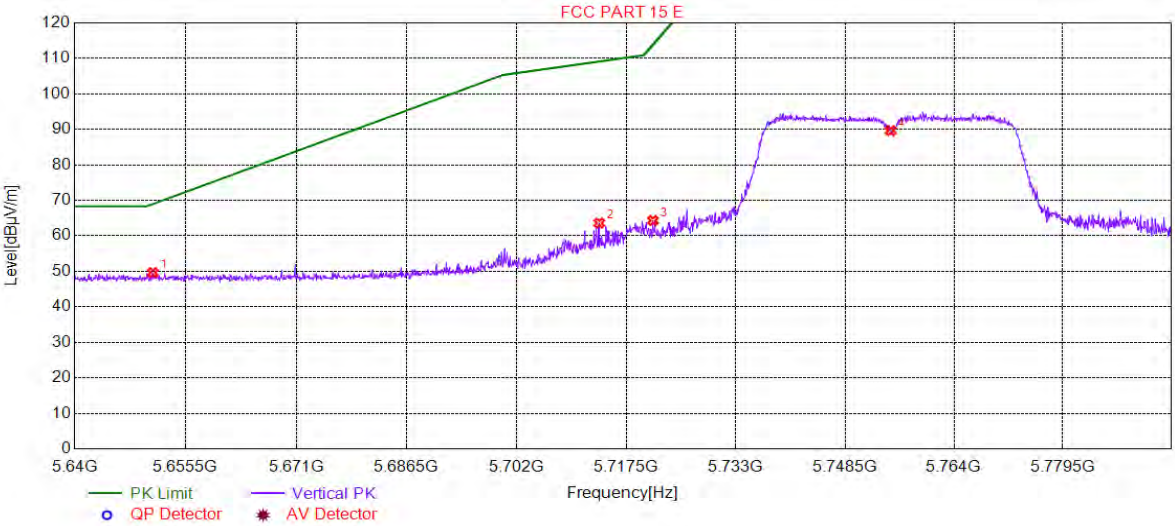
4.9.1.139 11N40_151 _MIMO_ ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5650.93	49.66	8.43	68.99	19.33	150	120	Vertical
2	5713.66	63.63	8.54	109.13	45.50	150	232	Vertical
3	5721.26	64.31	8.56	113.77	49.46	150	298	Vertical
4	5755.00	89.63	8.64	0.00	-89.63	150	222	Vertical

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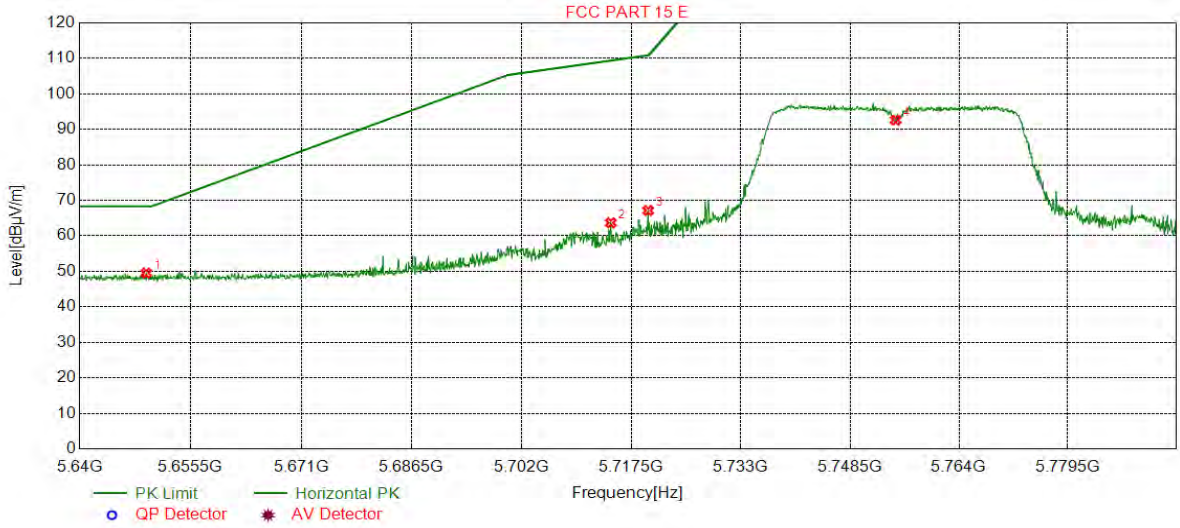
4.9.1.140 11N40_151 _MIMO_ ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5649.30	49.52	8.43	68.30	18.78	150	130	Horizontal
2	5714.59	63.69	8.54	109.39	45.70	150	168	Horizontal
3	5719.86	67.13	8.56	110.86	43.73	150	91	Horizontal
4	5755.00	92.62	8.64	0.00	-92.62	150	108	Horizontal

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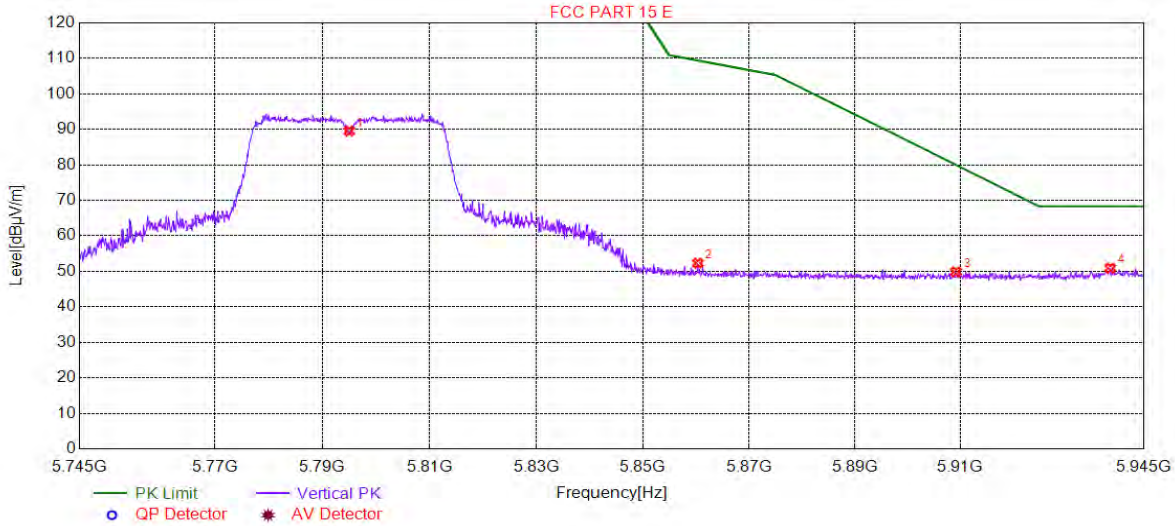
4.9.1.141 11N40_159 _MIMO_ ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5795.00	89.54	8.73	0.00	-89.54	150	272	Vertical
2	5860.35	52.31	8.92	109.40	57.09	150	289	Vertical
3	5909.18	49.86	9.07	80.01	30.15	150	313	Vertical
4	5938.59	50.93	9.16	68.30	17.37	150	30	Vertical

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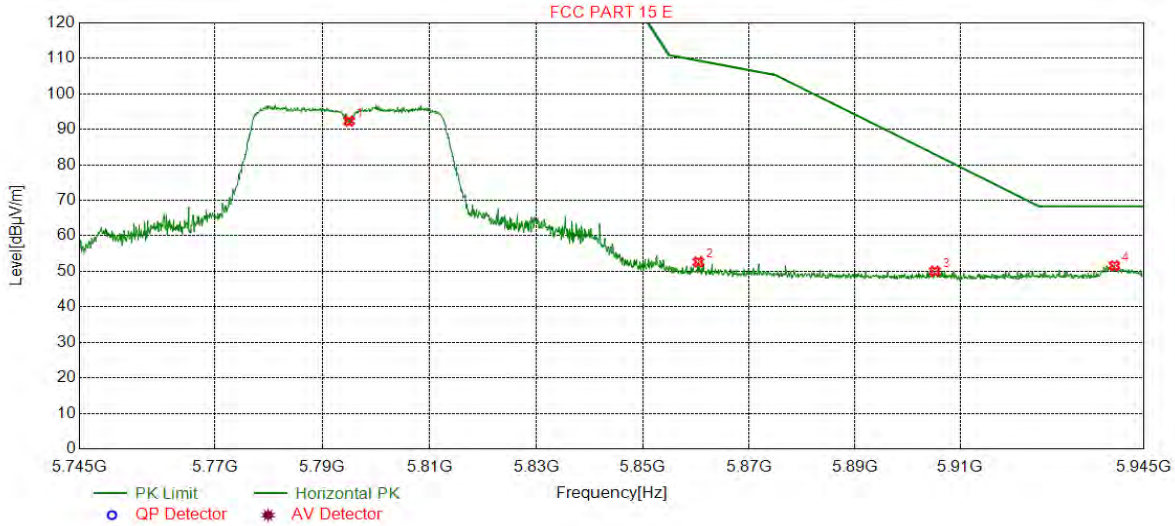
4.9.1.142 11N40_159_MIMO_ ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5795.00	92.29	8.73	0.00	-92.29	150	66	Horizontal
2	5860.45	52.67	8.92	109.37	56.70	150	77	Horizontal
3	5905.18	50.03	9.06	82.97	32.94	150	341	Horizontal
4	5939.39	51.61	9.16	68.30	16.69	150	121	Horizontal

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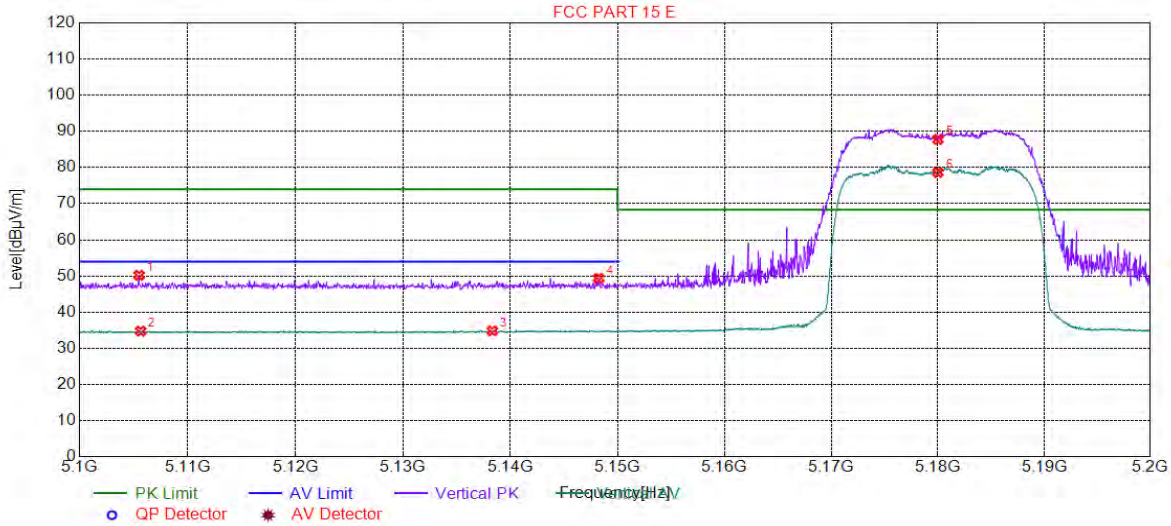
4.9.1.143 11AC20_36_MIMO_ ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5105.50	50.19	7.48	74.00	23.81	150	178	Vertical
2	5105.65	34.77	7.48	54.00	19.23	150	14	Vertical
3	5138.31	34.84	7.54	54.00	19.16	150	348	Vertical
4	5148.22	49.38	7.55	74.00	24.62	150	291	Vertical
5	5180.00	87.78	7.61	68.30	-19.48	150	269	Vertical
6	5180.00	78.64	7.61	0.00	-78.64	150	273	Vertical

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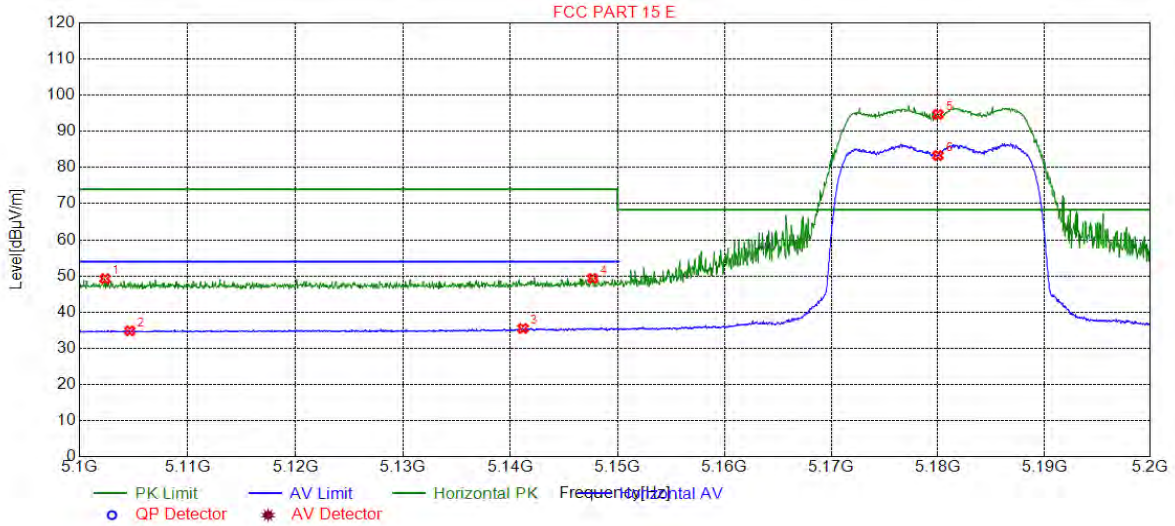
4.9.1.144 11AC20_36 _MIMO_ ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5102.35	49.25	7.47	74.00	24.75	150	231	Horizontal
2	5104.65	34.84	7.48	54.00	19.16	150	178	Horizontal
3	5141.17	35.50	7.54	54.00	18.50	150	208	Horizontal
4	5147.67	49.36	7.55	74.00	24.64	150	216	Horizontal
5	5180.00	94.68	7.61	68.30	-26.38	150	212	Horizontal
6	5180.00	83.32	7.61	0.00	-83.32	150	212	Horizontal

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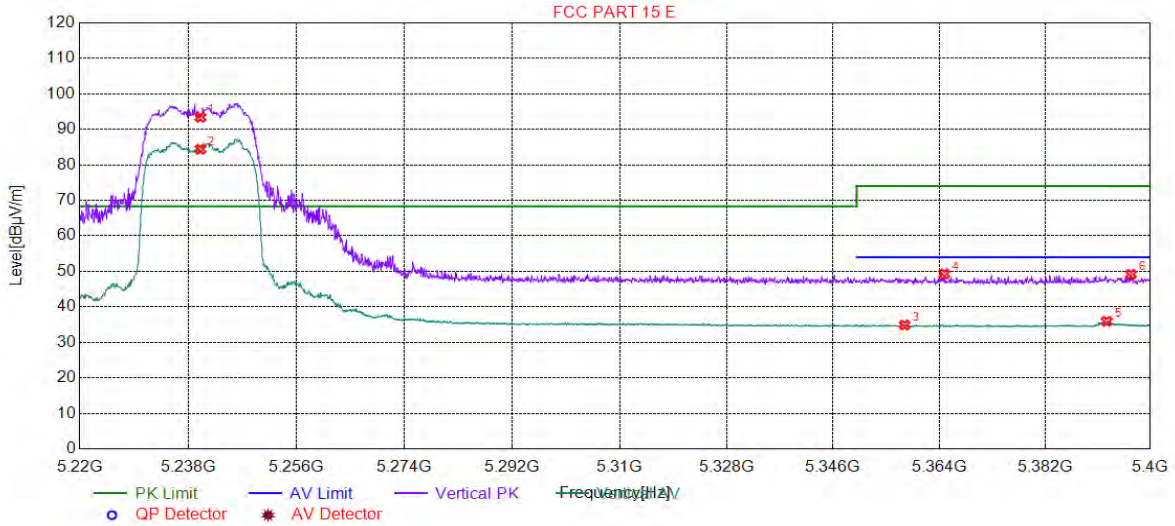
4.9.1.145 11AC20_48 _MIMO_ ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5240.00	93.42	7.68	68.30	-25.12	150	271	Vertical
2	5240.00	84.42	7.68	0.00	-84.42	150	276	Vertical
3	5358.12	34.88	7.86	54.00	19.12	150	242	Vertical
4	5364.88	49.26	7.87	74.00	24.74	150	170	Vertical
5	5392.52	35.93	7.93	54.00	18.07	150	144	Vertical
6	5396.66	49.16	7.93	74.00	24.84	150	280	Vertical

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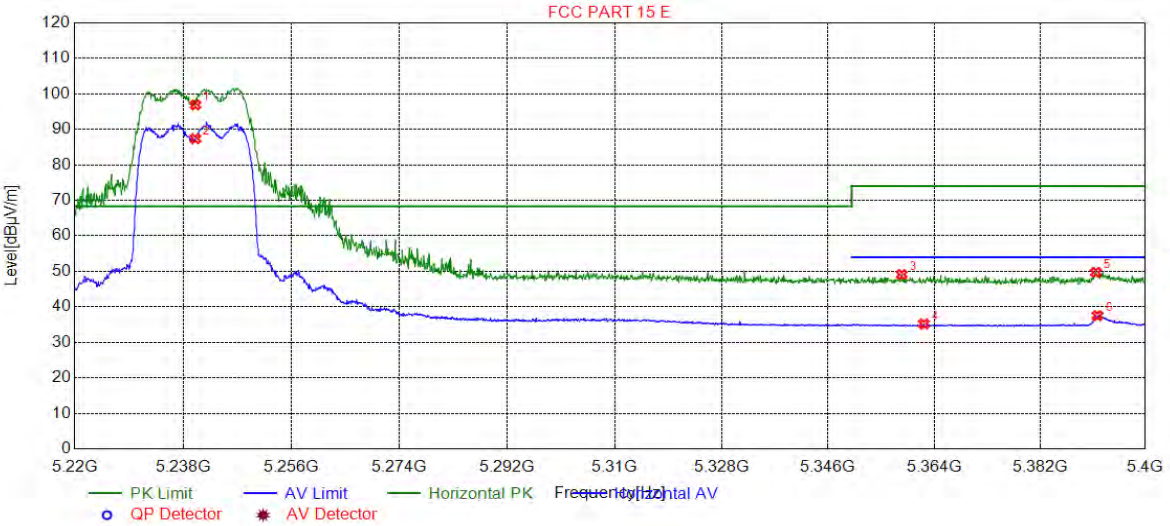
4.9.1.146 11AC20_48_MIMO_ ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5240.00	96.89	7.68	68.30	-28.59	150	213	Horizontal
2	5240.00	87.38	7.68	0.00	-87.38	150	213	Horizontal
3	5358.48	49.10	7.86	74.00	24.90	150	70	Horizontal
4	5362.27	35.19	7.86	54.00	18.81	150	56	Horizontal
5	5391.53	49.72	7.92	74.00	24.28	150	218	Horizontal
6	5391.80	37.53	7.92	54.00	16.47	150	56	Horizontal

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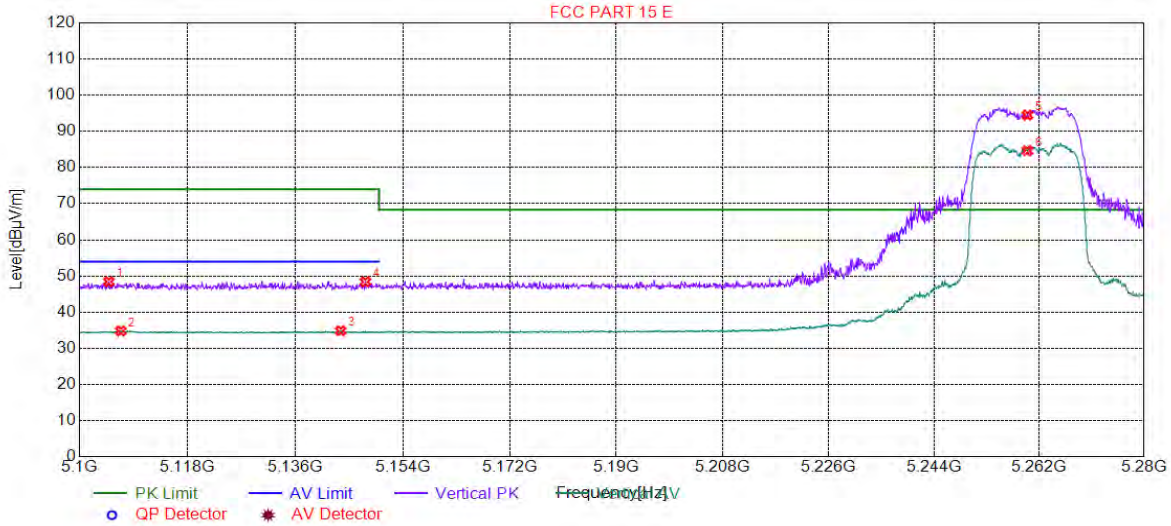
4.9.1.147 11AC20_52 _MIMO_ ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5104.86	48.43	7.48	74.00	25.57	150	289	Vertical
2	5106.84	34.81	7.48	54.00	19.19	150	350	Vertical
3	5143.58	34.86	7.54	54.00	19.14	150	16	Vertical
4	5147.72	48.41	7.55	74.00	25.59	150	350	Vertical
5	5260.00	94.50	7.70	68.30	-26.20	150	294	Vertical
6	5260.00	84.66	7.70	0.00	-84.66	150	275	Vertical

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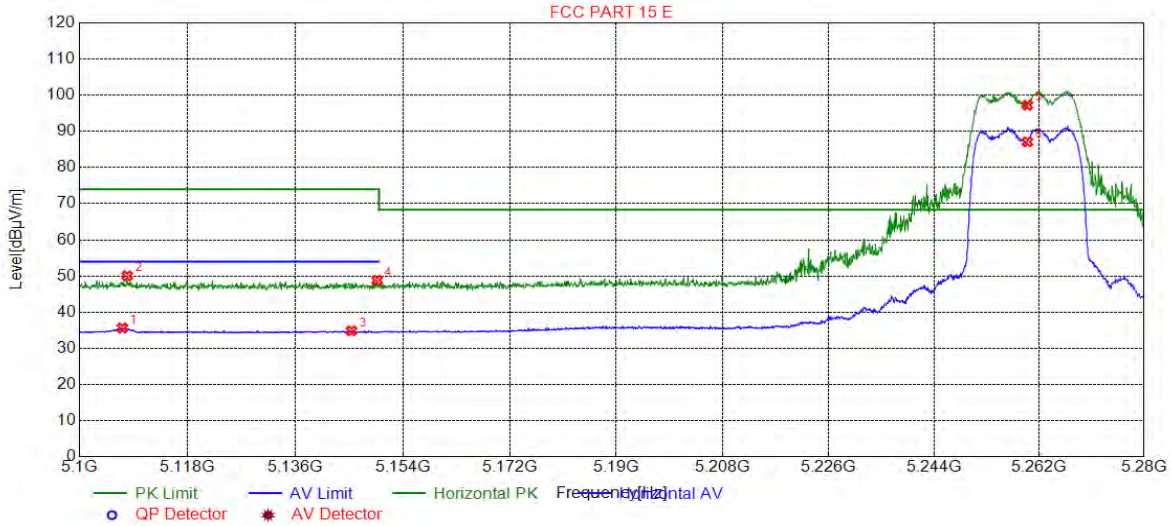
4.9.1.148 11AC20_52_MIMO_ ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5107.11	35.62	7.48	54.00	18.38	150	182	Horizontal
2	5107.92	50.05	7.48	74.00	23.95	150	192	Horizontal
3	5145.38	34.84	7.55	54.00	19.16	150	0	Horizontal
4	5149.70	48.84	7.55	74.00	25.16	150	325	Horizontal
5	5260.00	97.24	7.70	68.30	-28.94	150	211	Horizontal
6	5260.00	87.10	7.70	0.00	-87.10	150	211	Horizontal

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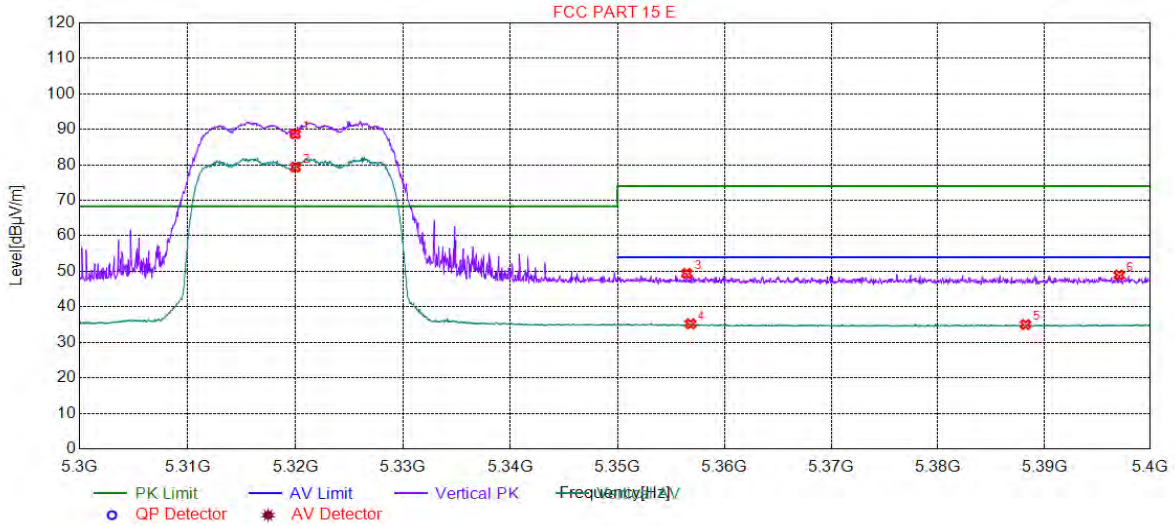
4.9.1.149 11AC20_64_MIMO_ ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5320.00	88.71	7.78	68.30	-20.41	150	278	Vertical
2	5320.00	79.35	7.78	0.00	-79.35	150	274	Vertical
3	5356.47	49.42	7.85	74.00	24.58	150	53	Vertical
4	5356.82	35.22	7.85	54.00	18.78	150	208	Vertical
5	5388.24	35.02	7.92	54.00	18.98	150	156	Vertical
6	5397.04	48.97	7.93	74.00	25.03	150	133	Vertical

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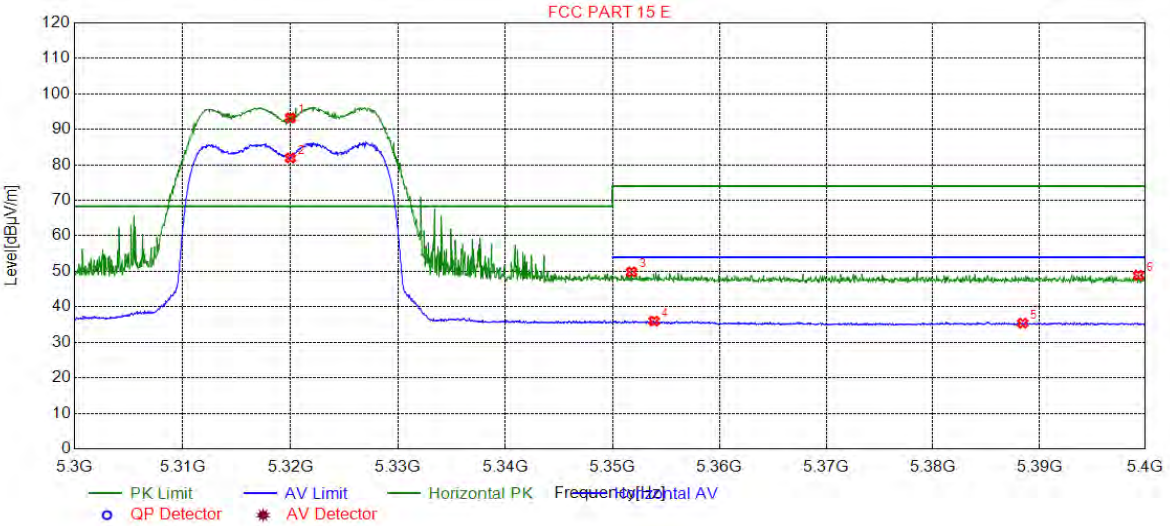
4.9.1.150 11AC20_64 _MIMO_ ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5320.00	93.24	7.78	68.30	-24.94	150	208	Horizontal
2	5320.00	81.93	7.78	0.00	-81.93	150	204	Horizontal
3	5351.77	49.86	7.84	74.00	24.14	150	208	Horizontal
4	5353.87	35.99	7.85	54.00	18.01	150	204	Horizontal
5	5388.44	35.41	7.92	54.00	18.59	150	73	Horizontal
6	5399.34	48.90	7.94	74.00	25.10	150	40	Horizontal

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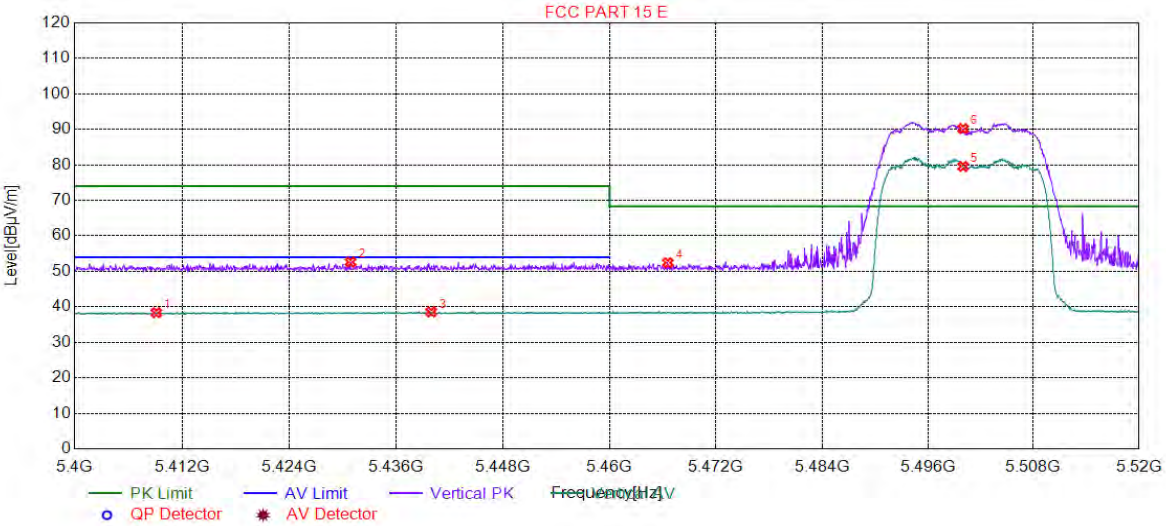
4.9.1.151 11AC20_100_MIMO_ ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5409.12	38.38	7.95	54.00	15.62	150	254	Vertical
2	5430.85	52.63	7.99	74.00	21.37	150	284	Vertical
3	5439.92	38.57	8.00	54.00	15.43	150	144	Vertical
4	5466.57	52.43	8.05	68.30	15.87	150	358	Vertical
5	5500.00	79.55	8.10	0.00	-79.55	150	257	Vertical
6	5500.00	90.20	8.10	68.30	-21.90	150	261	Vertical

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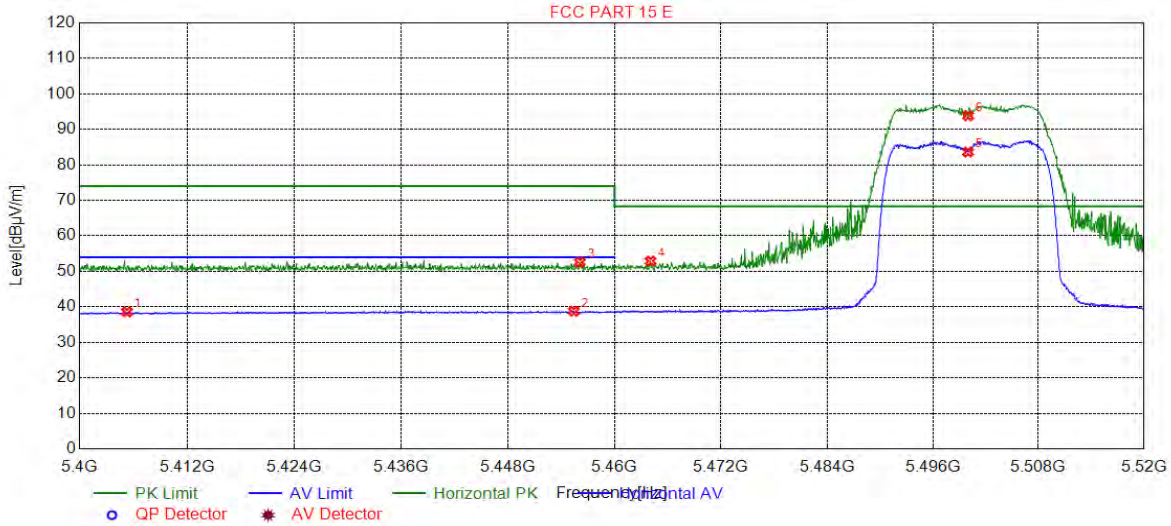
4.9.1.152 11AC20_100_MIMO_ ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5405.28	38.60	7.95	54.00	15.40	150	1	Horizontal
2	5455.40	38.78	8.03	54.00	15.22	150	37	Horizontal
3	5456.06	52.60	8.03	74.00	21.40	150	41	Horizontal
4	5464.05	52.90	8.04	68.30	15.40	150	76	Horizontal
5	5500.00	83.61	8.10	0.00	-83.61	150	57	Horizontal
6	5500.00	93.85	8.10	68.30	-25.55	150	57	Horizontal

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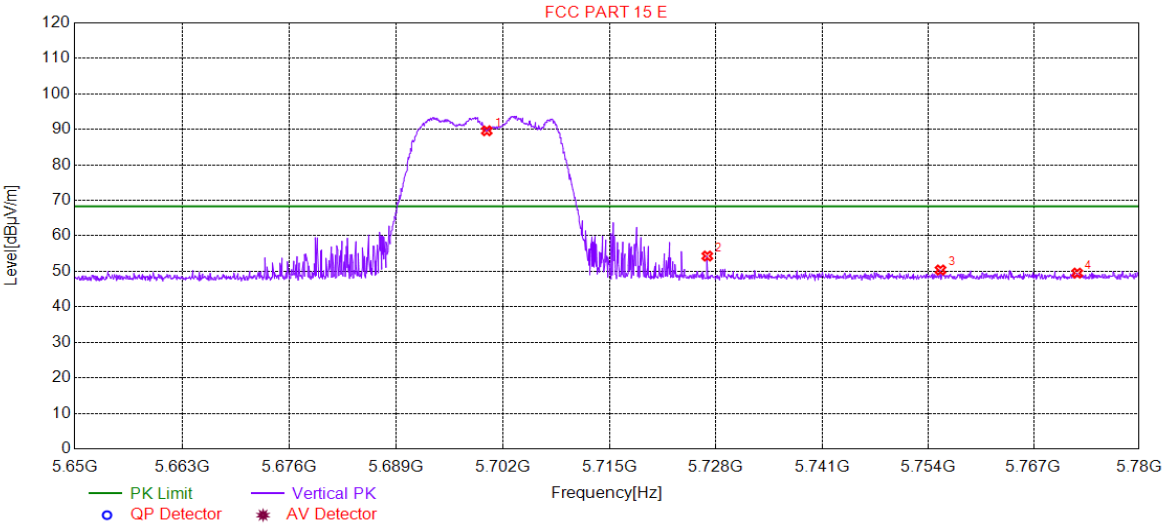
4.9.1.153 11AC20_140 _MIMO_ ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5700.00	89.60	8.51	68.30	-21.30	150	194	Vertical
2	5726.93	54.32	8.57	68.30	13.98	150	40	Vertical
3	5755.54	50.39	8.64	68.30	17.91	150	273	Vertical
4	5772.39	49.51	8.68	68.30	18.79	150	16	Vertical

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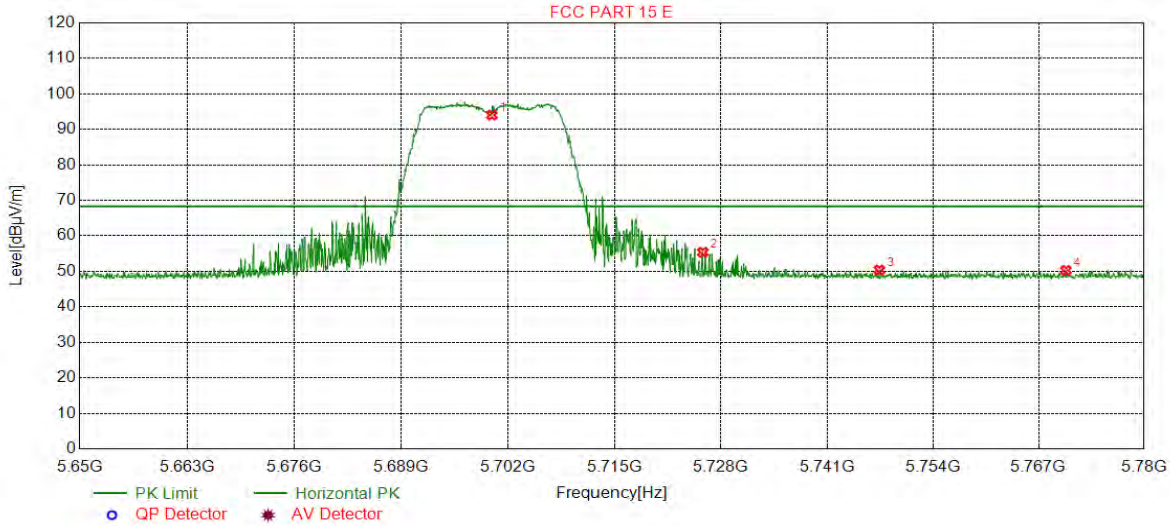
4.9.1.154 11AC20_140 _MIMO_ ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5700.00	94.02	8.51	68.30	-25.72	150	35	Horizontal
2	5725.76	55.41	8.57	68.30	12.89	150	56	Horizontal
3	5747.41	50.37	8.62	68.30	17.93	150	14	Horizontal
4	5770.37	50.29	8.67	68.30	18.01	150	28	Horizontal

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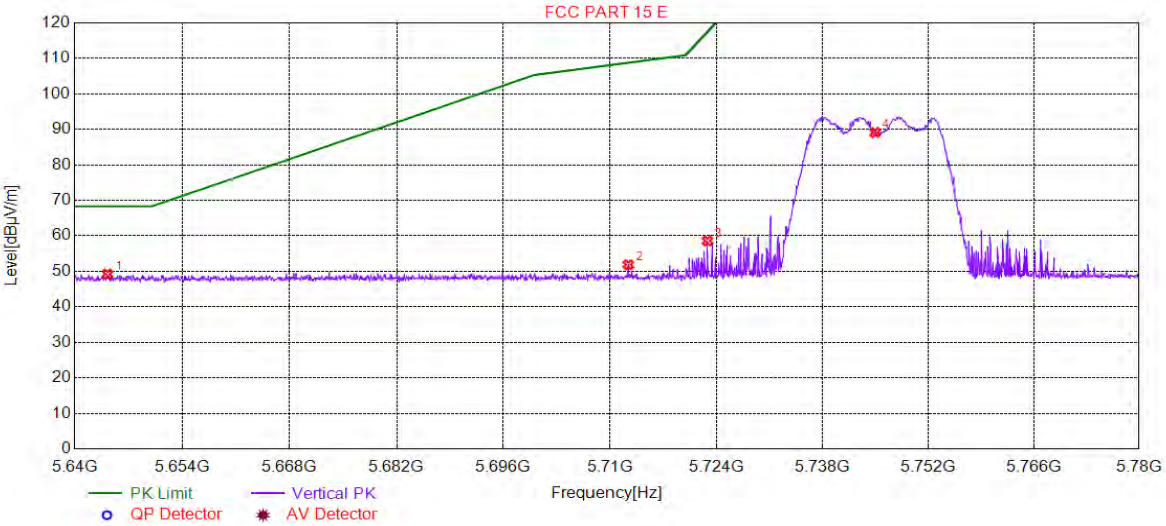
4.9.1.155 11AC20_149 _MIMO_ ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5644.27	49.27	8.42	68.30	19.03	150	183	Vertical
2	5712.41	51.86	8.54	108.78	56.92	150	241	Vertical
3	5722.85	58.58	8.56	117.40	58.82	150	244	Vertical
4	5745.00	89.10	8.61	0.00	-89.10	150	270	Vertical

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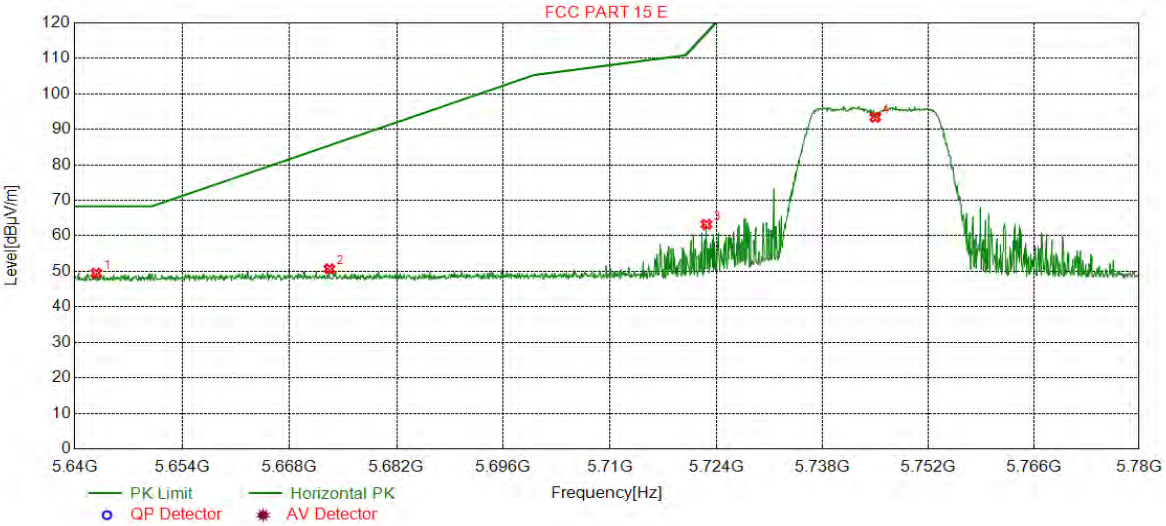
4.9.1.156 11AC20_149_MIMO_ ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5642.80	49.49	8.42	68.30	18.81	150	179	Horizontal
2	5673.19	50.71	8.47	85.47	34.76	150	344	Horizontal
3	5722.71	63.24	8.56	117.08	53.84	150	51	Horizontal
4	5745.00	93.41	8.61	0.00	-93.41	150	23	Horizontal

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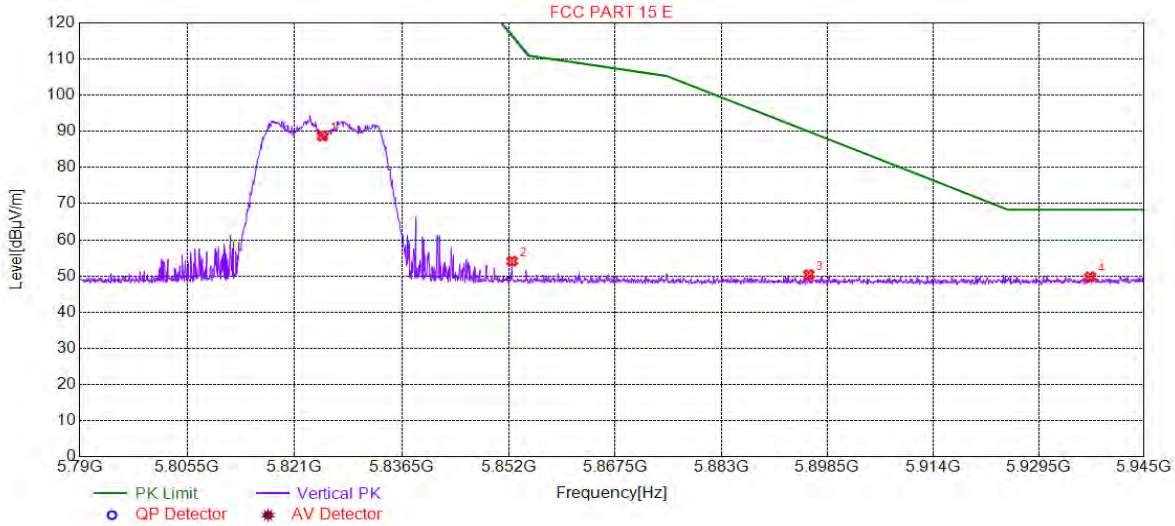
4.9.1.157 11AC20_165 _MIMO_ ANT 1_Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5825.00	88.66	8.82	0.00	-88.66	150	284	Vertical
2	5852.49	54.11	8.90	116.61	62.50	150	249	Vertical
3	5895.76	50.37	9.03	89.94	39.57	150	305	Vertical
4	5937.09	49.76	9.15	68.30	18.54	150	148	Vertical

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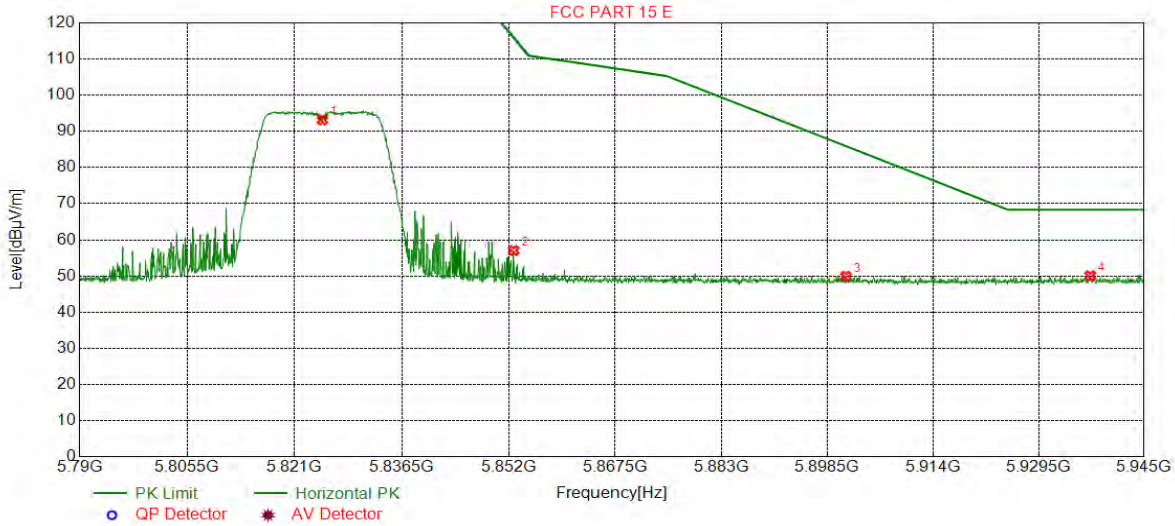
4.9.1.158 11AC20_165_MIMO_ ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5825.00	93.13	8.82	0.00	-93.13	150	90	Horizontal
2	5852.72	57.05	8.90	116.08	59.03	150	24	Horizontal
3	5901.19	49.94	9.04	85.92	35.98	150	30	Horizontal
4	5937.09	50.07	9.15	68.30	18.23	150	344	Horizontal

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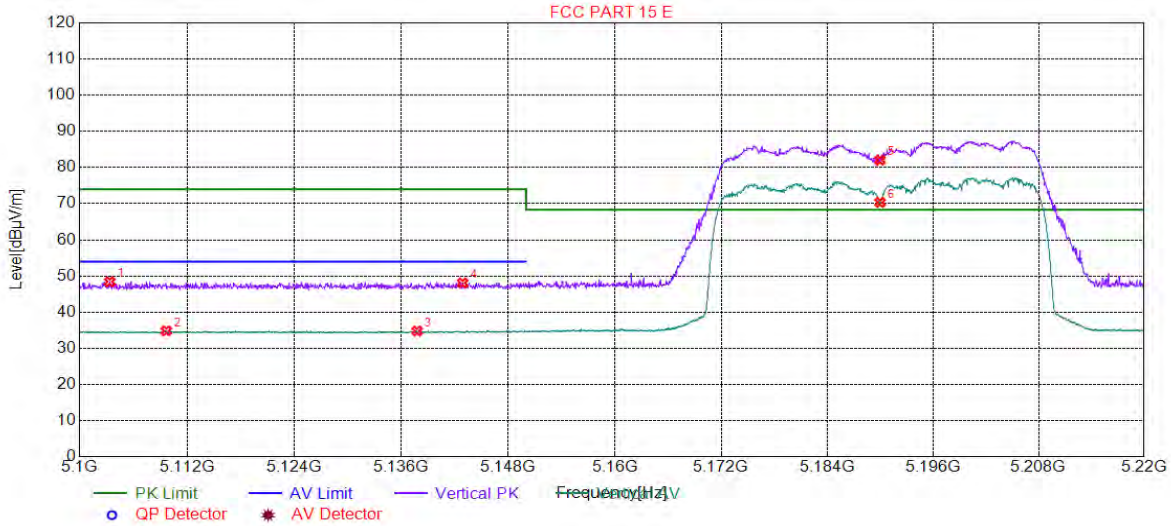
4.9.1.159 11AC40_38 _MIMO_ ANT 1_ Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5103.36	48.43	7.48	74.00	25.57	150	208	Vertical
2	5109.66	34.84	7.49	54.00	19.16	150	170	Vertical
3	5137.75	34.79	7.53	54.00	19.21	150	289	Vertical
4	5142.86	48.08	7.54	74.00	25.92	150	14	Vertical
5	5190.00	82.05	7.62	68.30	-13.75	150	346	Vertical
6	5190.00	70.35	7.62	0.00	-70.35	150	196	Vertical

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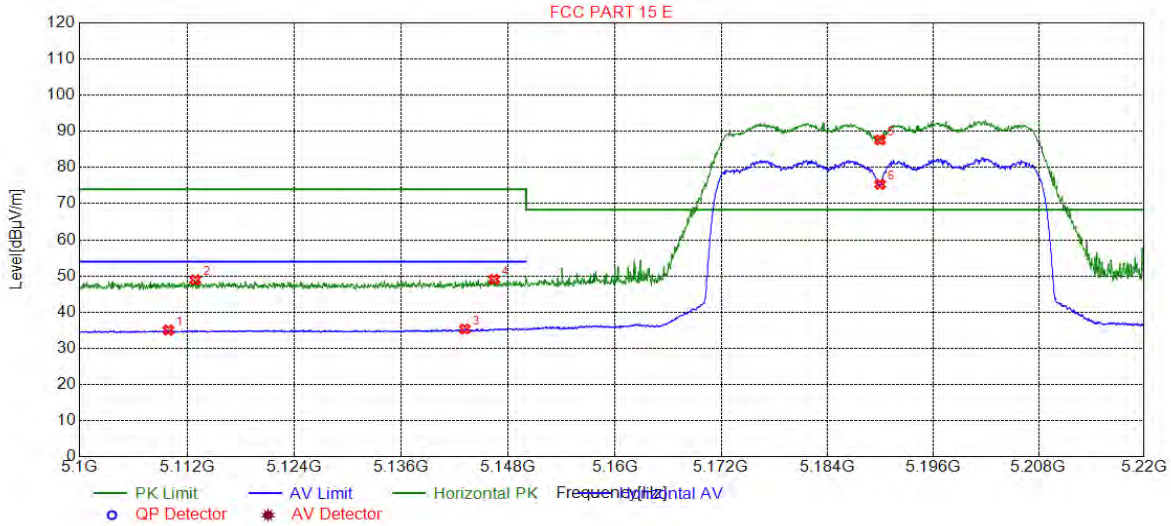
4.9.1.160 11AC40_38 _MIMO_ ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5109.90	35.04	7.49	54.00	18.96	150	51	Horizontal
2	5112.90	48.94	7.49	74.00	25.06	150	51	Horizontal
3	5143.10	35.34	7.54	54.00	18.66	150	212	Horizontal
4	5146.40	49.06	7.55	74.00	24.94	150	209	Horizontal
5	5190.00	87.63	7.62	68.30	-19.33	150	212	Horizontal
6	5190.00	75.35	7.62	0.00	-75.35	150	205	Horizontal

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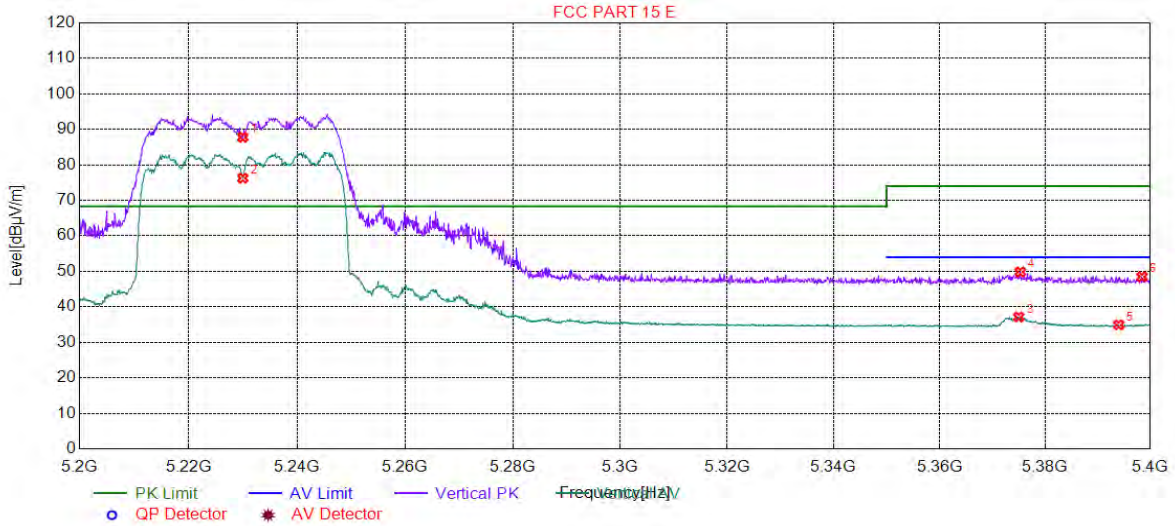
4.9.1.161 11AC40_46 _MIMO_ ANT 1_ Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5230.00	87.77	7.67	68.30	-19.47	150	286	Vertical
2	5230.00	76.25	7.67	0.00	-76.25	150	291	Vertical
3	5374.98	37.17	7.89	54.00	16.83	150	282	Vertical
4	5375.28	49.84	7.89	74.00	24.16	150	282	Vertical
5	5393.99	34.94	7.93	54.00	19.06	150	272	Vertical
6	5398.39	48.49	7.94	74.00	25.51	150	359	Vertical

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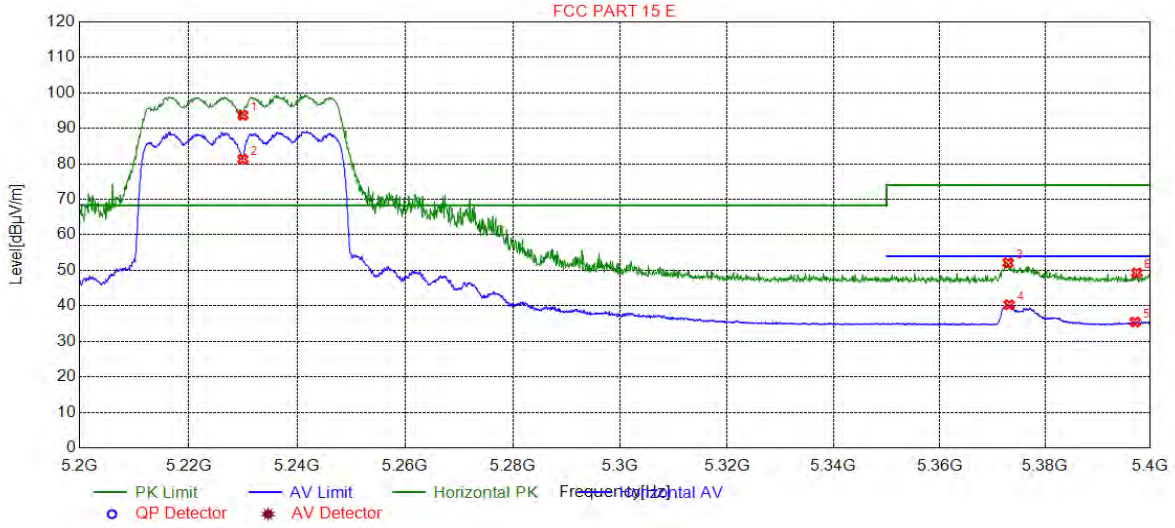
4.9.1.162 11AC40_46 _MIMO_ ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5230.00	93.70	7.67	68.30	-25.40	150	190	Horizontal
2	5230.00	81.32	7.67	0.00	-81.32	150	218	Horizontal
3	5372.98	52.11	7.89	74.00	21.89	150	218	Horizontal
4	5373.18	40.31	7.89	54.00	13.69	150	223	Horizontal
5	5397.09	35.43	7.93	54.00	18.57	150	199	Horizontal
6	5397.39	49.30	7.93	74.00	24.70	150	251	Horizontal

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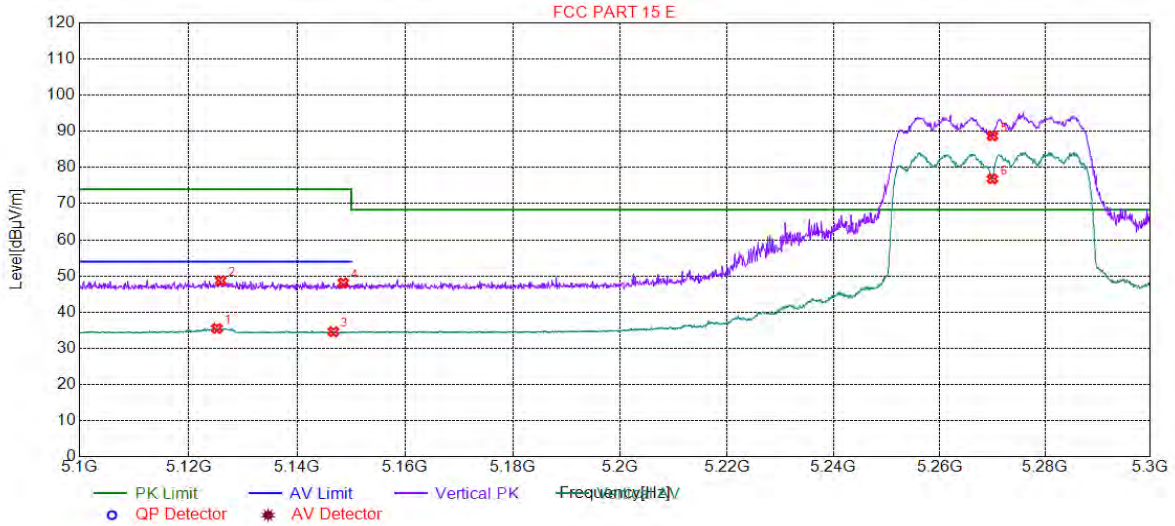
4.9.1.163 11AC40_54_MIMO_ ANT 1_ Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5125.21	35.48	7.51	54.00	18.52	150	287	Vertical
2	5125.91	48.74	7.51	74.00	25.26	150	293	Vertical
3	5146.72	34.60	7.55	54.00	19.40	150	94	Vertical
4	5148.52	48.09	7.55	74.00	25.91	150	114	Vertical
5	5270.00	88.75	7.71	68.30	-20.45	150	221	Vertical
6	5270.00	76.85	7.71	0.00	-76.85	150	221	Vertical

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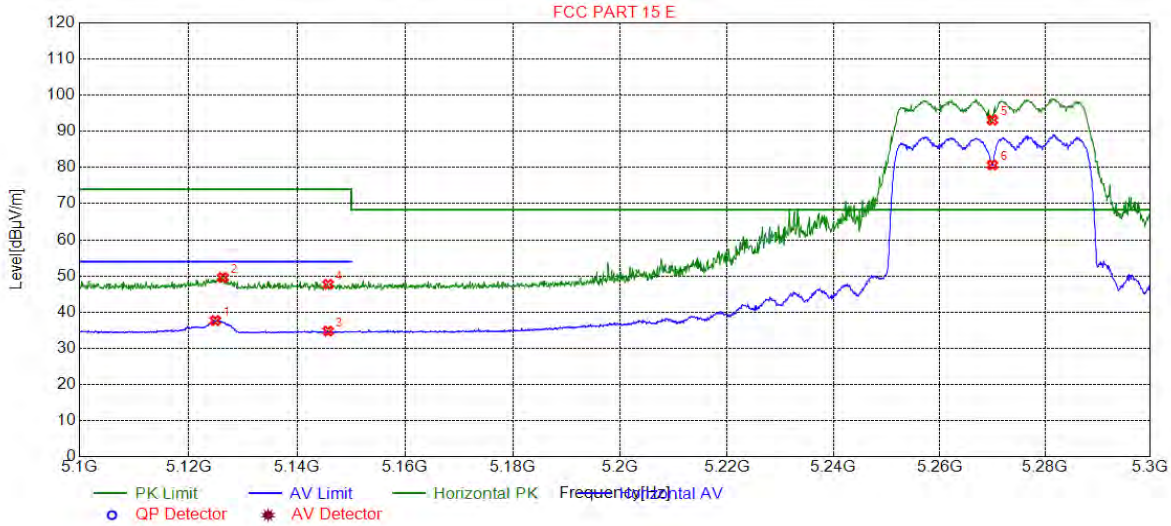
4.9.1.164 11AC40_54_MIMO_ ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5124.91	37.69	7.51	54.00	16.31	150	227	Horizontal
2	5126.31	49.60	7.51	74.00	24.40	150	222	Horizontal
3	5145.72	34.78	7.55	54.00	19.22	150	222	Horizontal
4	5145.72	47.69	7.55	74.00	26.31	150	241	Horizontal
5	5270.00	93.14	7.71	68.30	-24.84	150	204	Horizontal
6	5270.00	80.68	7.71	0.00	-80.68	150	227	Horizontal

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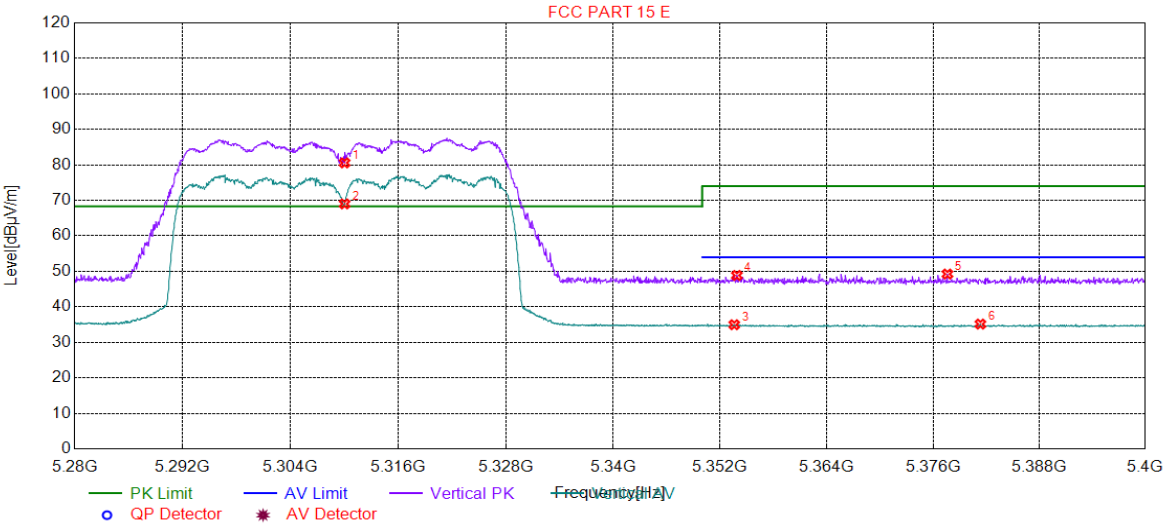
4.9.1.165 11AC40_62_MIMO_ ANT 1_ Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5310.00	80.57	7.76	68.30	-12.27	150	235	Vertical
2	5310.00	69.01	7.76	0.00	-69.01	150	222	Vertical
3	5353.59	34.97	7.85	54.00	19.03	150	226	Vertical
4	5353.89	48.86	7.85	74.00	25.14	150	62	Vertical
5	5377.60	49.25	7.90	74.00	24.75	150	76	Vertical
6	5381.33	35.15	7.90	54.00	18.85	150	184	Vertical

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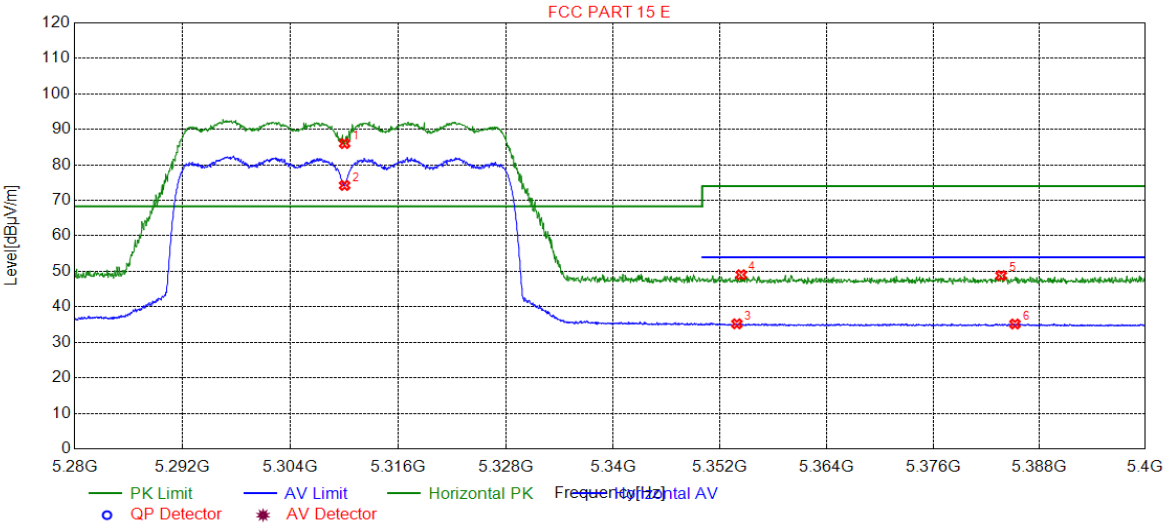
4.9.1.166 11AC40_62 _MIMO_ ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5310.00	86.01	7.76	68.30	-17.71	150	240	Horizontal
2	5310.00	74.20	7.76	0.00	-74.20	150	230	Horizontal
3	5353.89	35.23	7.85	54.00	18.77	150	240	Horizontal
4	5354.37	49.05	7.85	74.00	24.95	150	168	Horizontal
5	5383.67	48.83	7.91	74.00	25.17	150	81	Horizontal
6	5385.23	35.18	7.91	54.00	18.82	150	211	Horizontal

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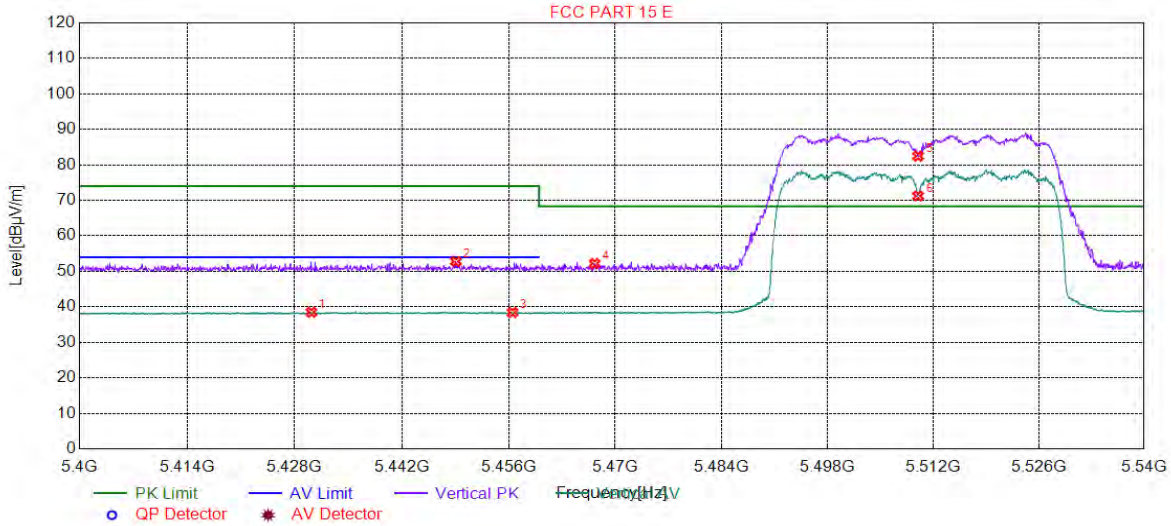
4.9.1.167 11AC40_102 _MIMO_ ANT 1_ Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5430.18	38.50	7.99	54.00	15.50	150	121	Vertical
2	5449.09	52.77	8.02	74.00	21.23	150	215	Vertical
3	5456.51	38.42	8.03	54.00	15.58	150	20	Vertical
4	5467.30	52.21	8.05	68.30	16.09	150	74	Vertical
5	5510.00	82.45	8.13	68.30	-14.15	150	295	Vertical
6	5510.00	71.24	8.13	0.00	-71.24	150	291	Vertical

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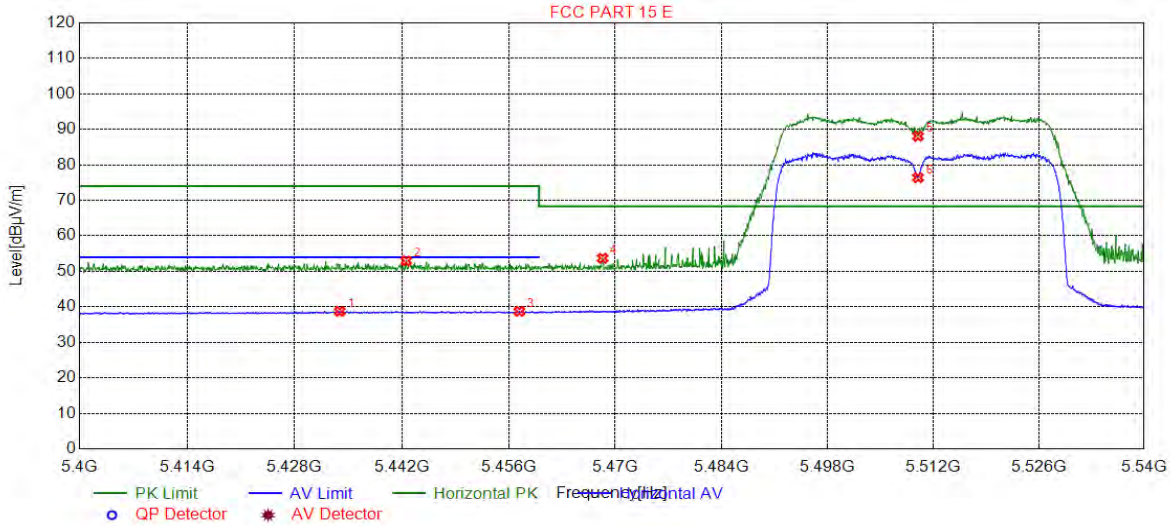
4.9.1.168 11AC40_102 _MIMO_ ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5433.89	38.73	7.99	54.00	15.27	150	226	Horizontal
2	5442.58	52.96	8.01	74.00	21.04	150	68	Horizontal
3	5457.42	38.74	8.03	54.00	15.26	150	231	Horizontal
4	5468.35	53.72	8.05	68.30	14.58	150	92	Horizontal
5	5510.00	88.07	8.13	68.30	-19.77	150	73	Horizontal
6	5510.00	76.41	8.13	0.00	-76.41	150	231	Horizontal

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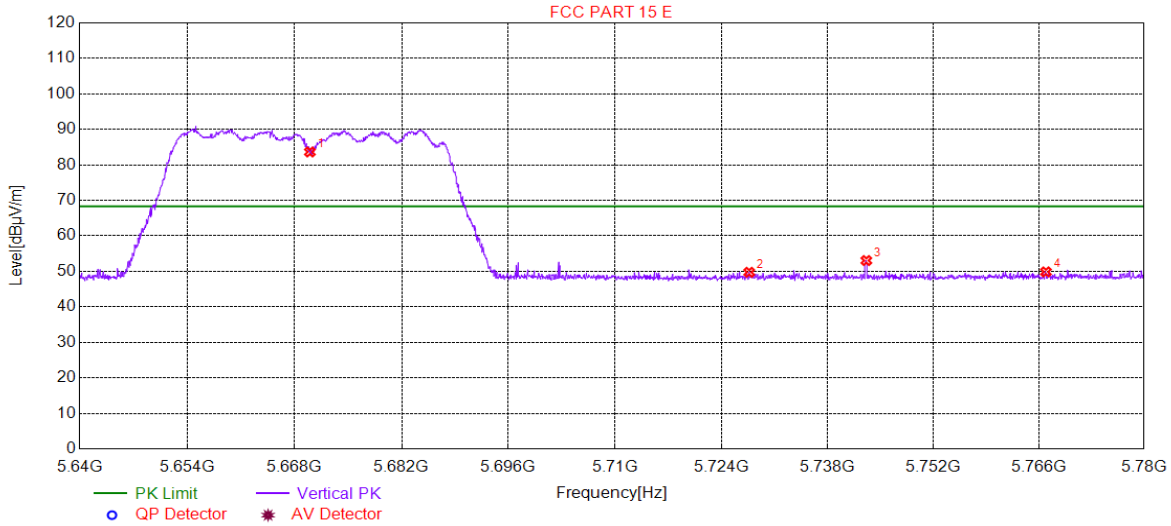
4.9.1.169 11AC40_134 _MIMO_ ANT 1_ Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5670.00	83.63	8.46	68.30	-15.33	150	218	Vertical
2	5727.68	49.74	8.57	68.30	18.56	150	16	Vertical
3	5743.16	53.05	8.61	68.30	15.25	150	313	Vertical
4	5766.97	49.86	8.66	68.30	18.44	150	60	Vertical

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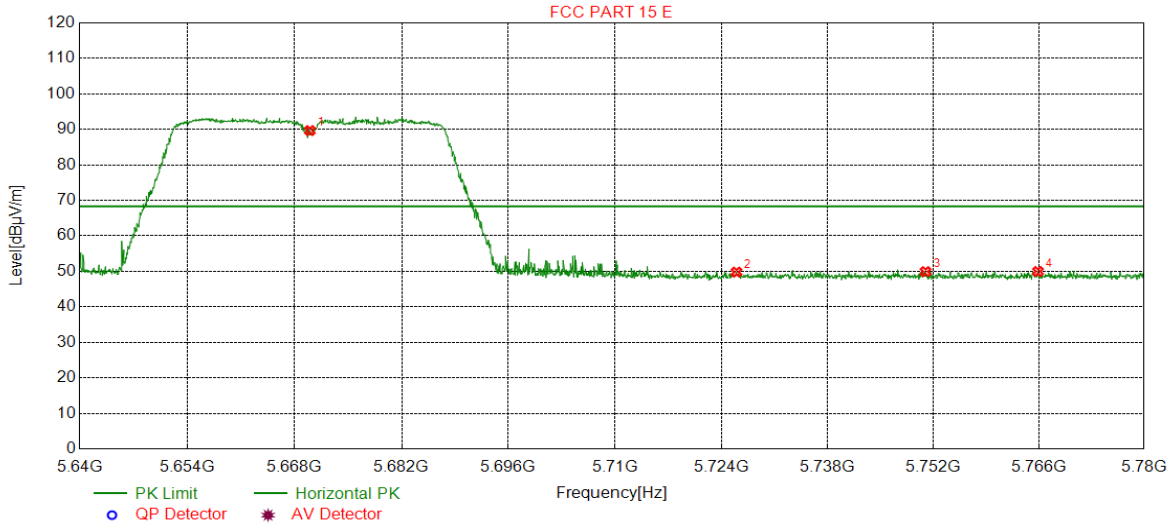
4.9.1.170 11AC40_134 _MIMO_ ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5670.00	89.66	8.46	68.30	-21.36	150	72	Horizontal
2	5726.00	49.80	8.57	68.30	18.50	150	12	Horizontal
3	5751.00	49.93	8.63	68.30	18.37	150	161	Horizontal
4	5765.92	49.98	8.66	68.30	18.32	150	344	Horizontal

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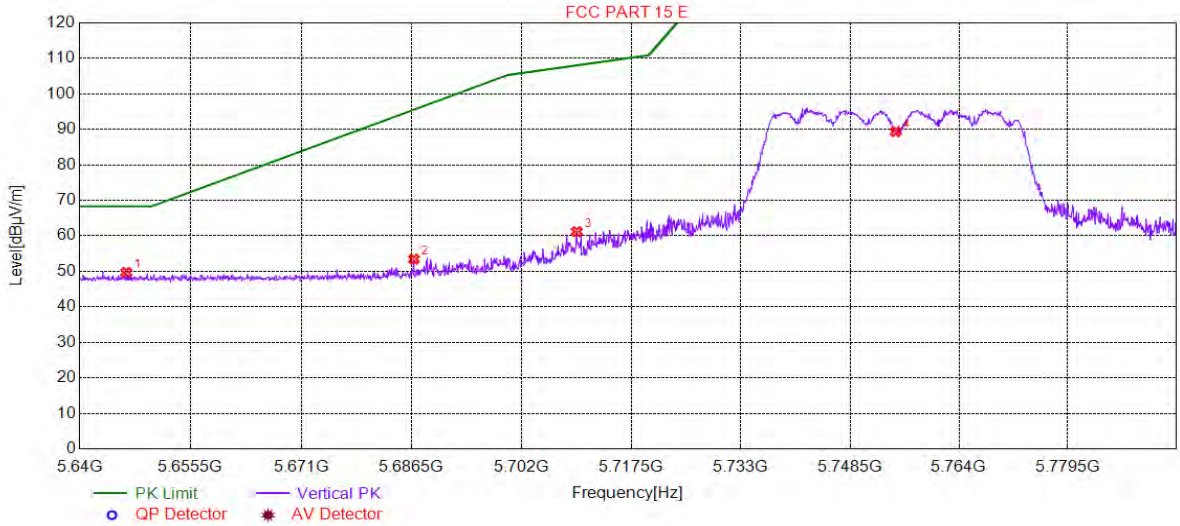
4.9.1.171 11AC40_151_MIMO_ ANT 1_ Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5646.51	49.74	8.42	68.30	18.56	150	110	Vertical
2	5686.83	53.44	8.49	95.56	42.12	150	167	Vertical
3	5709.78	61.19	8.53	108.04	46.85	150	222	Vertical
4	5755.00	89.35	8.64	0.00	-89.35	150	222	Vertical

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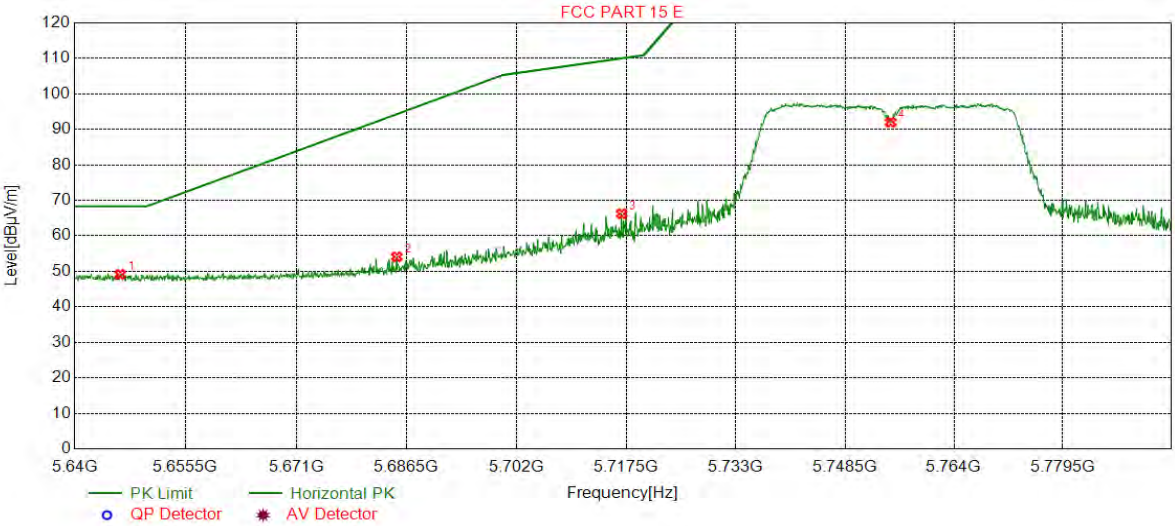
4.9.1.172 11AC40_151_MIMO_ ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5646.35	49.14	8.42	68.30	19.16	150	81	Horizontal
2	5685.12	54.09	8.49	94.29	40.20	150	198	Horizontal
3	5716.84	66.24	8.55	110.02	43.78	150	226	Horizontal
4	5755.00	91.99	8.64	0.00	-91.99	150	78	Horizontal

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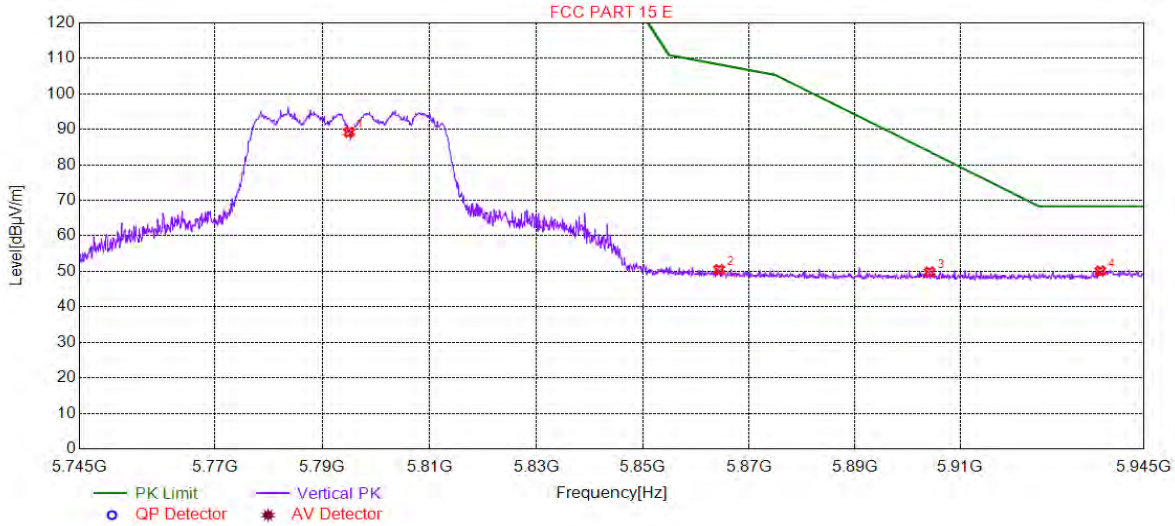
4.9.1.173 11AC40_159 _MIMO_ ANT 1_ Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5795.00	89.20	8.73	0.00	-89.20	150	306	Vertical
2	5864.35	50.50	8.93	108.28	57.78	150	152	Vertical
3	5904.17	49.82	9.05	83.71	33.89	150	117	Vertical
4	5936.69	50.09	9.15	68.30	18.21	150	261	Vertical

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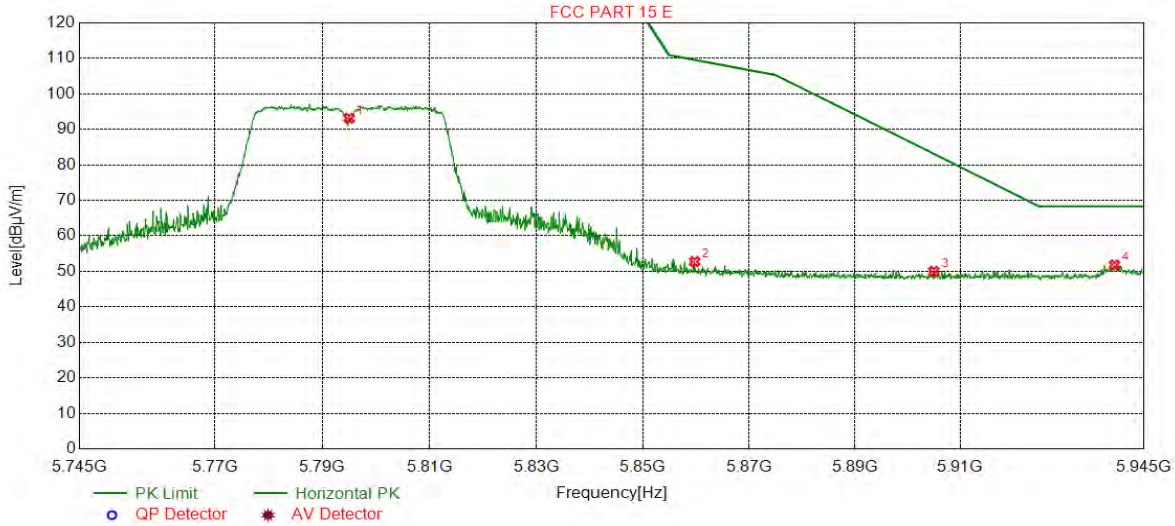
4.9.1.174 11AC40_159 _MIMO_ ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5795.00	93.12	8.73	0.00	-93.12	150	71	Horizontal
2	5859.75	52.74	8.92	109.57	56.83	150	117	Horizontal
3	5904.98	50.01	9.05	83.11	33.10	150	216	Horizontal
4	5939.39	51.82	9.16	68.30	16.48	150	117	Horizontal

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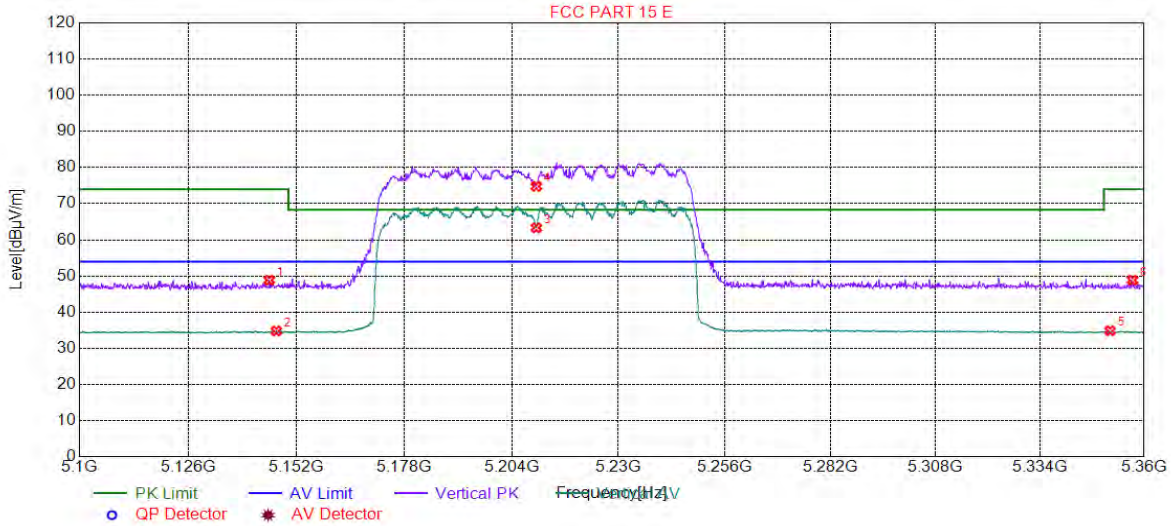
4.9.1.175 11AC80_42_MIMO_ ANT 1_ Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5145.39	48.85	7.55	74.00	25.15	150	114	Vertical
2	5147.08	34.80	7.55	54.00	19.20	150	360	Vertical
3	5210.00	63.31	7.65	54.00	-9.31	150	293	Vertical
4	5210.00	74.81	7.65	68.30	-6.51	150	222	Vertical
5	5351.54	34.86	7.84	54.00	19.14	150	354	Vertical
6	5357.13	48.86	7.85	74.00	25.14	150	53	Vertical

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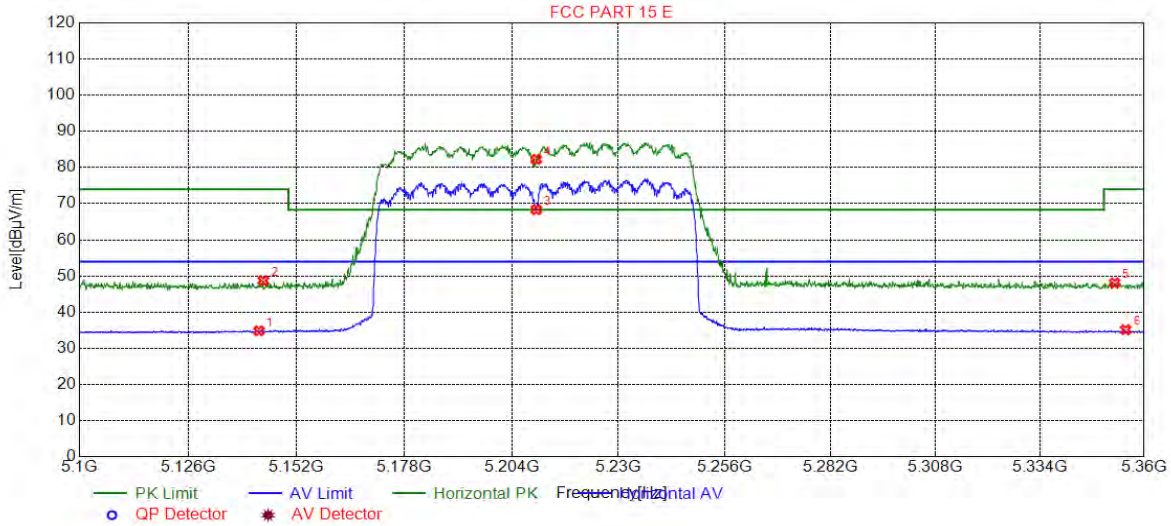
4.9.1.176 11AC80_42 _MIMO_ ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5142.92	34.84	7.54	54.00	19.16	150	229	Horizontal
2	5143.96	48.72	7.54	74.00	25.28	150	340	Horizontal
3	5210.00	68.34	7.65	54.00	-14.34	150	229	Horizontal
4	5210.00	82.27	7.65	68.30	-13.97	150	229	Horizontal
5	5352.71	48.09	7.85	74.00	25.91	150	8	Horizontal
6	5355.44	35.13	7.85	54.00	18.87	150	201	Horizontal

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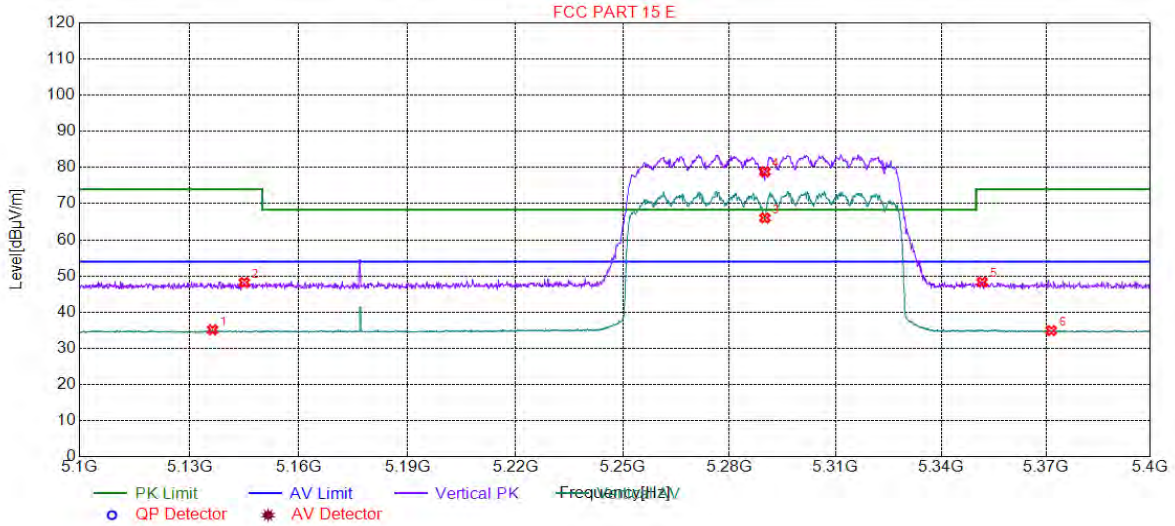
4.9.1.177 11AC80_58_MIMO_ ANT 1_ Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5136.31	35.12	7.53	54.00	18.88	150	166	Vertical
2	5145.02	48.19	7.55	74.00	25.81	150	203	Vertical
3	5290.00	66.04	7.73	54.00	-12.04	150	287	Vertical
4	5290.00	78.83	7.73	68.30	-10.53	150	311	Vertical
5	5351.67	48.33	7.84	74.00	25.67	150	20	Vertical
6	5371.48	34.90	7.88	54.00	19.10	150	297	Vertical

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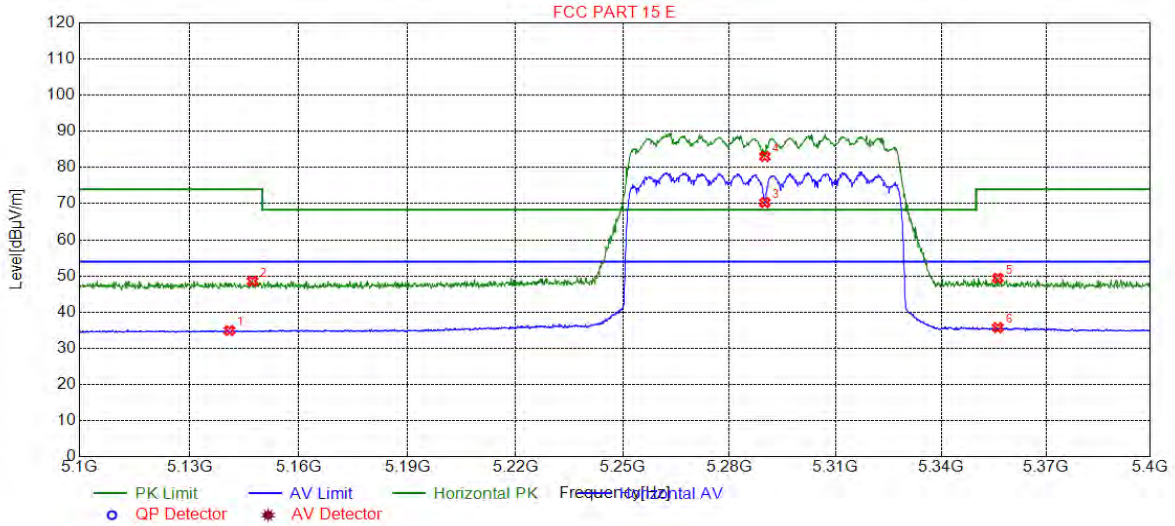
4.9.1.178 11AC80_58 _MIMO_ ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5140.97	34.91	7.54	54.00	19.09	150	225	Horizontal
2	5147.27	48.57	7.55	74.00	25.43	150	320	Horizontal
3	5290.00	70.33	7.73	54.00	-16.33	150	230	Horizontal
4	5290.00	83.05	7.73	68.30	-14.75	150	205	Horizontal
5	5356.17	49.40	7.85	74.00	24.60	150	200	Horizontal
6	5356.17	35.73	7.85	54.00	18.27	150	200	Horizontal

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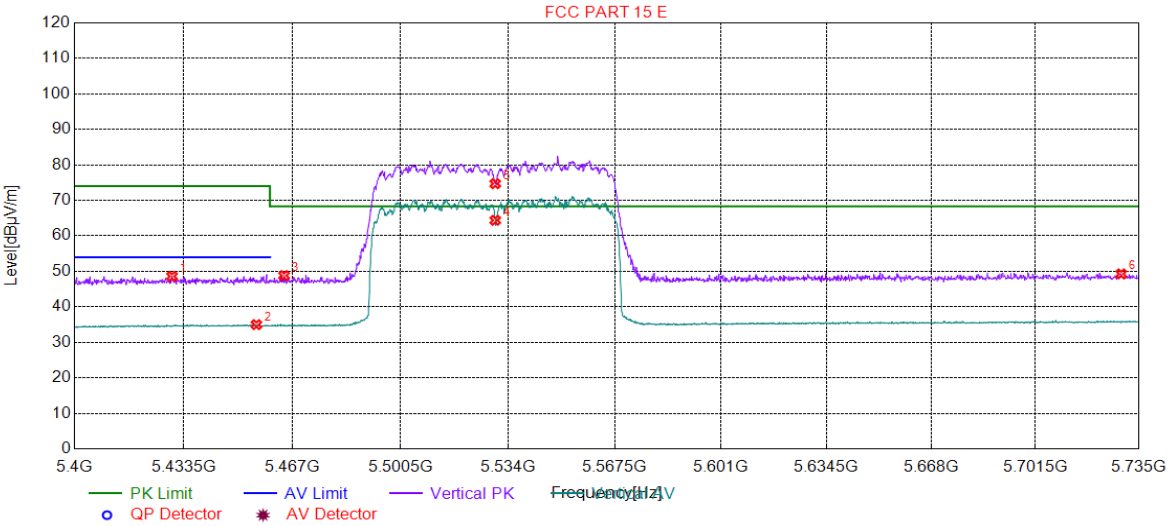
4.9.1.179 11AC80_106_MIMO_ ANT 1_ Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5429.82	48.61	7.99	74.00	25.39	150	357	Vertical
2	5455.80	35.00	8.03	54.00	19.00	150	301	Vertical
3	5464.35	48.81	8.04	68.30	19.49	150	170	Vertical
4	5530.00	64.39	8.18	0.00	-64.39	150	292	Vertical
5	5530.00	74.70	8.18	68.30	-6.40	150	221	Vertical
6	5729.30	49.30	8.58	68.30	19.00	150	310	Vertical

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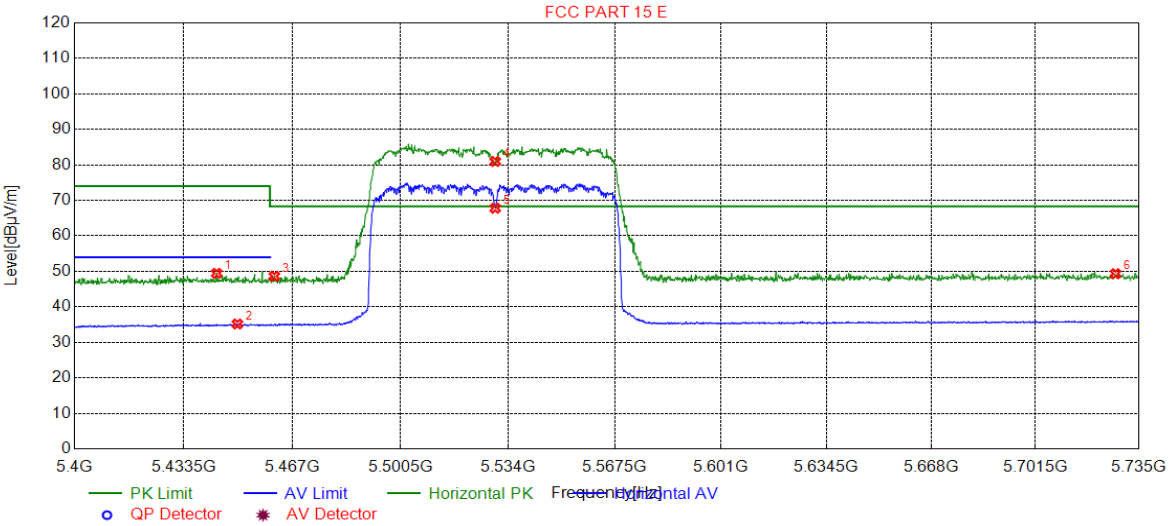
4.9.1.180 11AC80_106_MIMO_ ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5443.57	49.45	8.01	74.00	24.55	150	144	Horizontal
2	5449.94	35.18	8.02	54.00	18.82	150	97	Horizontal
3	5461.33	48.63	8.04	68.30	19.67	150	302	Horizontal
4	5530.00	80.97	8.18	68.30	-12.67	150	230	Horizontal
5	5530.00	67.78	8.18	0.00	-67.78	150	230	Horizontal
6	5727.45	49.34	8.57	68.30	18.96	150	344	Horizontal

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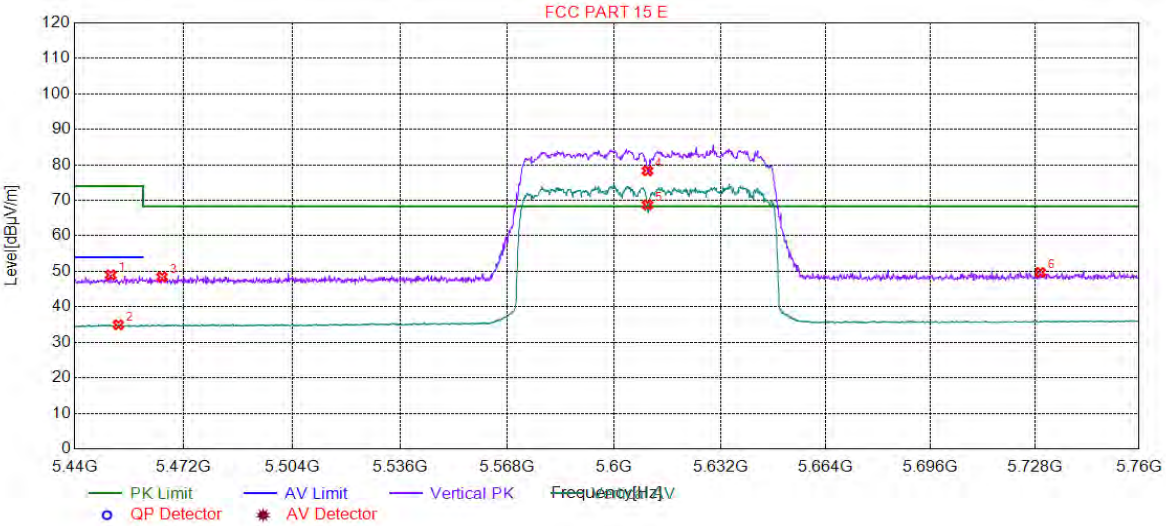
4.9.1.181 11AC80_122_MIMO_ ANT 1_ Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5450.56	49.00	8.02	74.00	25.00	150	227	Vertical
2	5452.80	34.97	8.02	54.00	19.03	150	15	Vertical
3	5465.61	48.44	8.04	68.30	19.86	150	73	Vertical
4	5610.00	78.32	8.37	68.30	-10.02	150	279	Vertical
5	5610.00	68.73	8.37	0.00	-68.73	150	222	Vertical
6	5729.58	49.69	8.58	68.30	18.61	150	298	Vertical

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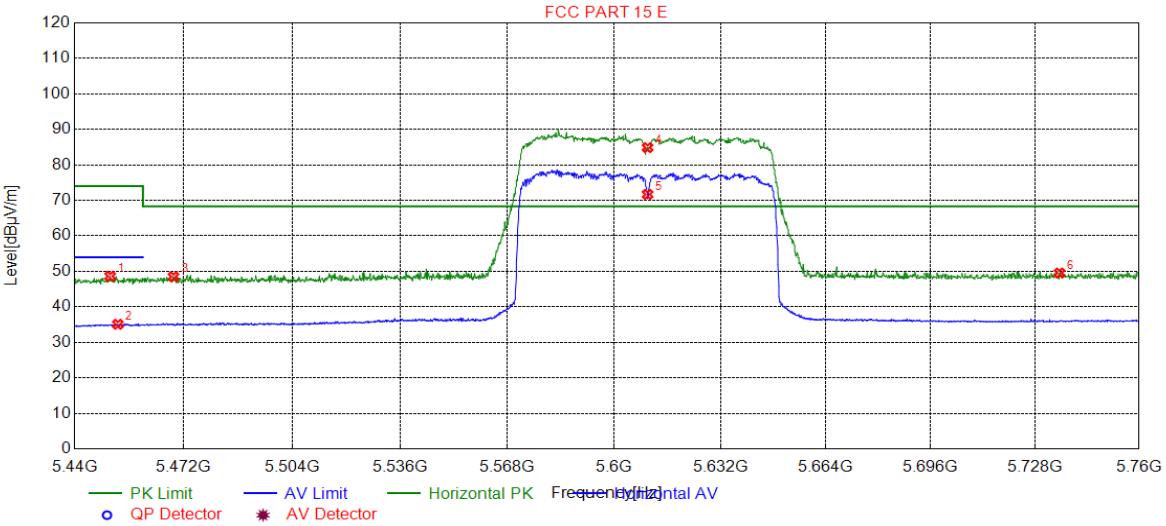
4.9.1.182 11AC80_122 _MIMO_ ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5450.40	48.64	8.02	74.00	25.36	150	306	Horizontal
2	5452.64	35.10	8.02	54.00	18.90	150	216	Horizontal
3	5468.97	48.52	8.05	68.30	19.78	150	197	Horizontal
4	5610.00	84.87	8.37	68.30	-16.57	150	68	Horizontal
5	5610.00	71.69	8.37	0.00	-71.69	150	230	Horizontal
6	5735.50	49.54	8.59	68.30	18.76	150	250	Horizontal

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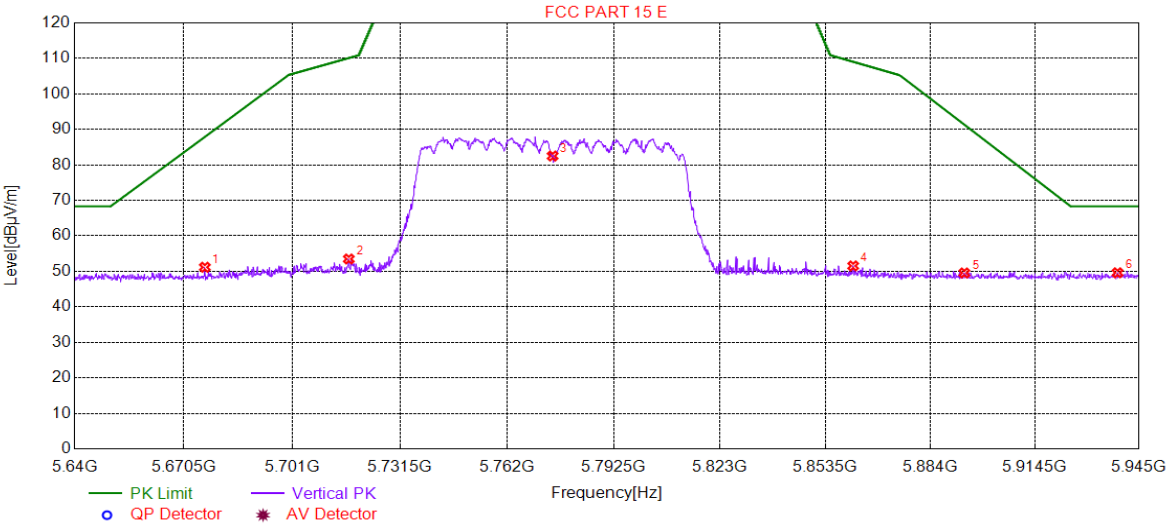
4.9.1.183 11AC80_155_MIMO_ ANT 1_ Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5676.46	51.16	8.47	87.88	36.72	150	202	Vertical
2	5717.05	53.49	8.55	110.07	56.58	150	263	Vertical
3	5775.00	82.49	8.68	122.30	39.81	150	206	Vertical
4	5861.54	51.54	8.92	109.07	57.53	150	266	Vertical
5	5893.88	49.55	9.02	91.32	41.77	150	252	Vertical
6	5938.74	49.60	9.16	68.30	18.70	150	87	Vertical

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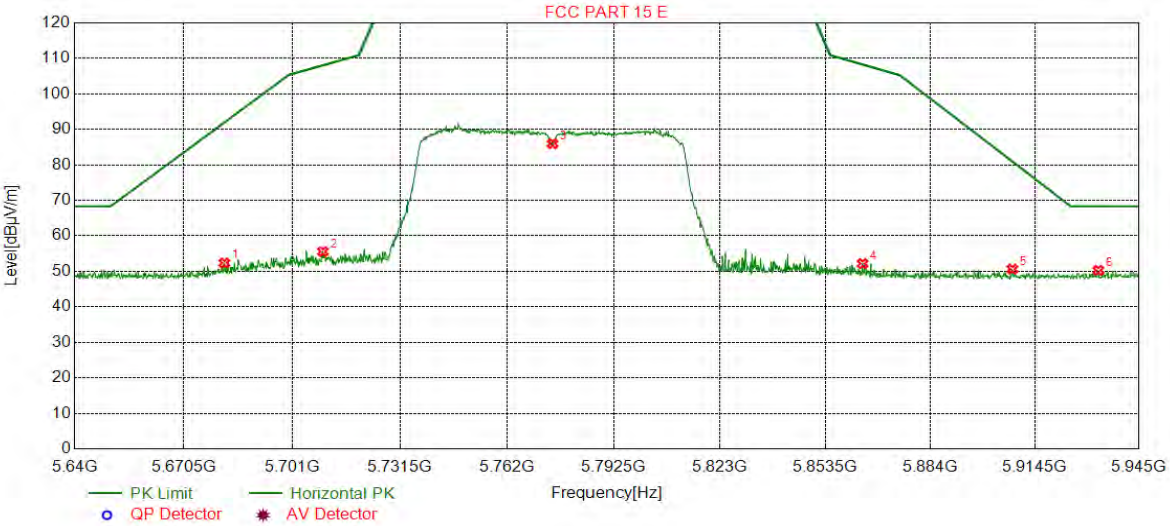
4.9.1.184 11AC80_155_MIMO_ ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5681.95	52.36	8.48	91.95	39.59	150	76	Horizontal
2	5709.72	55.58	8.53	108.02	52.44	150	44	Horizontal
3	5775.00	85.98	8.68	122.30	36.32	150	87	Horizontal
4	5864.28	52.18	8.93	108.30	56.12	150	118	Horizontal
5	5907.92	50.63	9.06	80.94	30.31	150	205	Horizontal
6	5933.09	50.30	9.14	68.30	18.00	150	226	Horizontal

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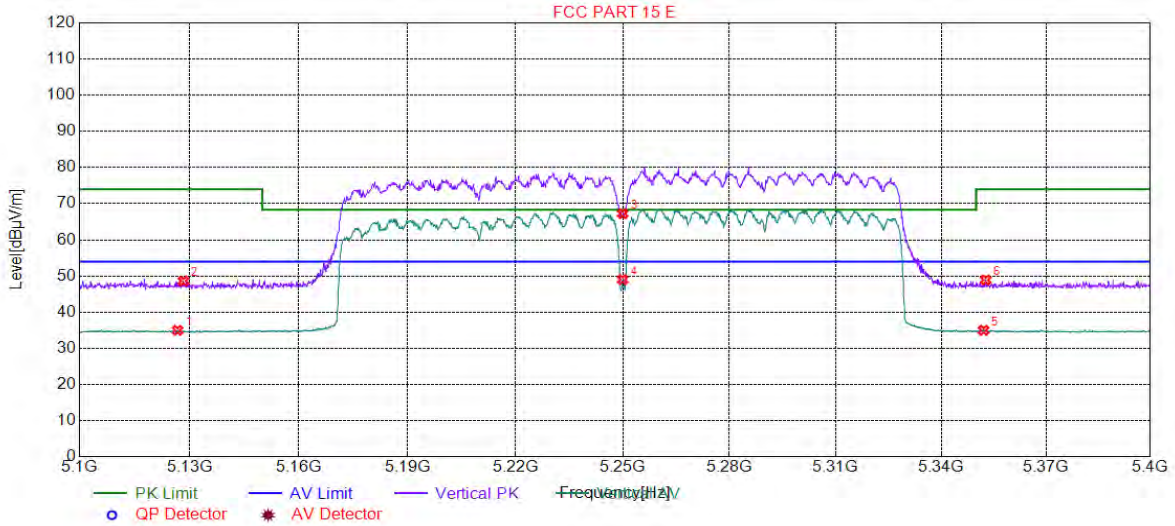
4.9.1.185 11AC160_50_MIMO_ ANT 1_ Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5126.71	34.98	7.52	54.00	19.02	150	293	Vertical
2	5128.36	48.60	7.52	74.00	25.40	150	274	Vertical
3	5250.00	67.26	7.69	68.30	1.04	150	315	Vertical
4	5250.00	49.01	7.69	54.00	4.99	150	297	Vertical
5	5352.12	34.99	7.84	54.00	19.01	150	315	Vertical
6	5352.72	48.92	7.85	74.00	25.08	150	140	Vertical

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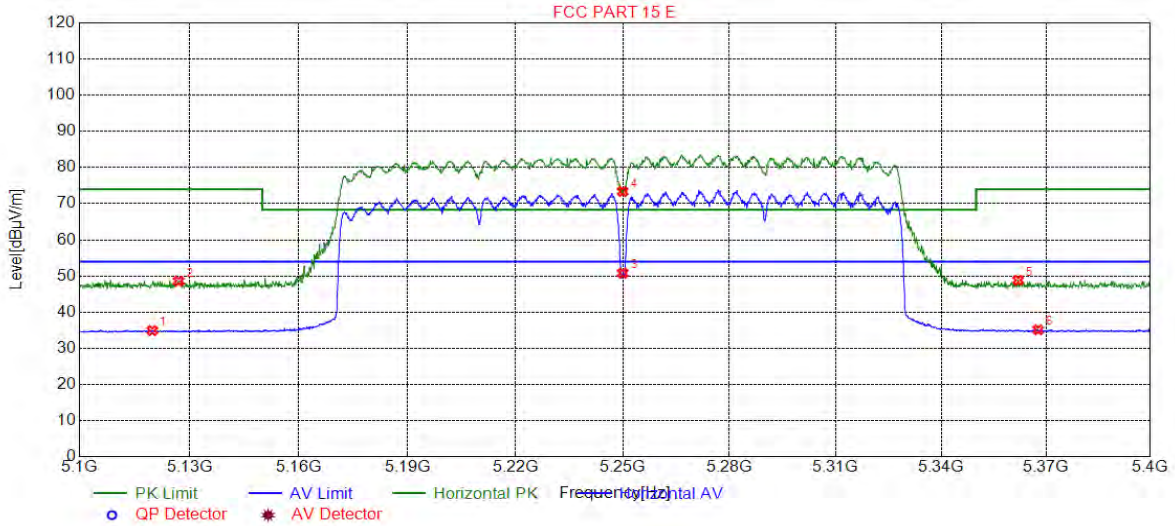
4.9.1.186 11AC160_50 _MIMO_ ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5119.80	34.91	7.50	54.00	19.09	150	64	Horizontal
2	5127.01	48.59	7.52	74.00	25.41	150	214	Horizontal
3	5250.00	50.79	7.69	54.00	3.21	150	230	Horizontal
4	5250.00	73.37	7.69	68.30	-5.07	150	203	Horizontal
5	5362.03	48.83	7.86	74.00	25.17	150	27	Horizontal
6	5367.73	35.13	7.88	54.00	18.87	150	210	Horizontal

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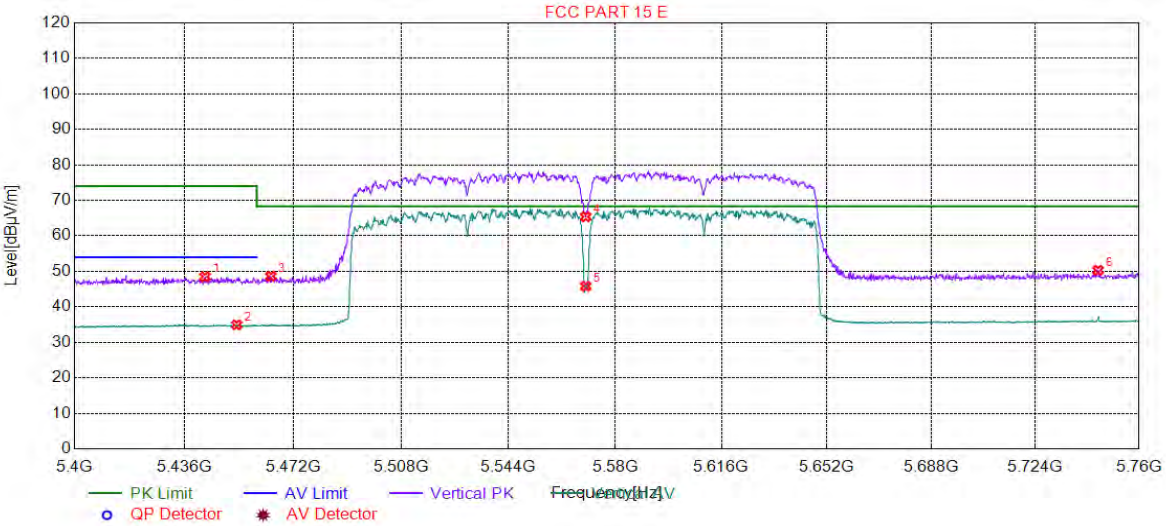
4.9.1.187 11AC160_114 _MIMO_ ANT 1_ Vertical



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5442.86	48.48	8.01	74.00	25.52	150	26	Vertical
2	5453.30	34.94	8.03	54.00	19.06	150	127	Vertical
3	5464.65	48.65	8.04	68.30	19.65	150	234	Vertical
4	5570.00	65.37	8.28	68.30	2.93	150	267	Vertical
5	5570.00	45.81	8.28	0.00	-45.81	150	304	Vertical
6	5745.77	50.32	8.62	68.30	17.98	150	309	Vertical

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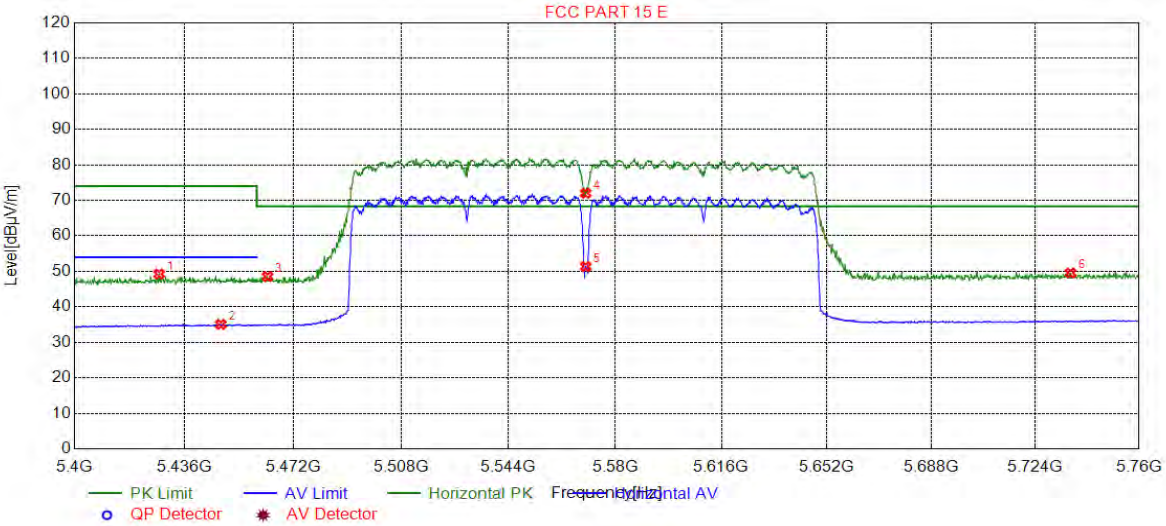
4.9.1.188 11AC160_114 _MIMO_ ANT 1_ Horizontal



Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5427.73	49.25	7.98	74.00	24.75	150	163	Horizontal
2	5448.08	35.06	8.02	54.00	18.94	150	82	Horizontal
3	5463.57	48.53	8.04	68.30	19.77	150	249	Horizontal
4	5570.00	72.01	8.28	68.30	-3.71	150	230	Horizontal
5	5570.00	51.34	8.28	0.00	-51.34	150	87	Horizontal
6	5736.22	49.56	8.59	68.30	18.74	150	106	Horizontal

Remark:
The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
Final Test Level =Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor
All modes have been tested, but only the worst case data displayed in this report.

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4.10 Frequencies Stability

4.10.1 Frequency Error vs. Voltage:

Test Conditions	Measured Frequency (MHz)	
	5180	5825
V nom(V)	5180.002384	5825.008734
V max(V)	5180.008824	5825.014959
V min(V)	5180.012963	5825.021156
Max. Deviation Frequency	0.012963	0.021156
Max. Frequency Error (ppm)	2.502544	3.631951

4.10.2 Frequency Error vs. Temperature:

Test Conditions(°C)	Measured Frequency (MHz)	
	5180	5825
-5	5180.009511	5825.004073
5	5180.010350	5825.013973
15	5180.012479	5825.020369
25	5180.016872	5825.029625
35	5180.018136	5825.039355
45	5180.021950	5825.046630
50	5180.030360	5825.049033
Max. Deviation Frequency	0.030360	0.049033
Max. Frequency Error (ppm)	5.860993	8.417606

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4.11 Dynamic Frequency Selection

4.11.1 DFS Overview

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

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

Table 2: Applicability of DFS requirements during normal operation

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

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4.11.2 DFS Detection Thresholds

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

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

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

4.11.3 Response Requirements

Table 4: DFS Response Requirement Values

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

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

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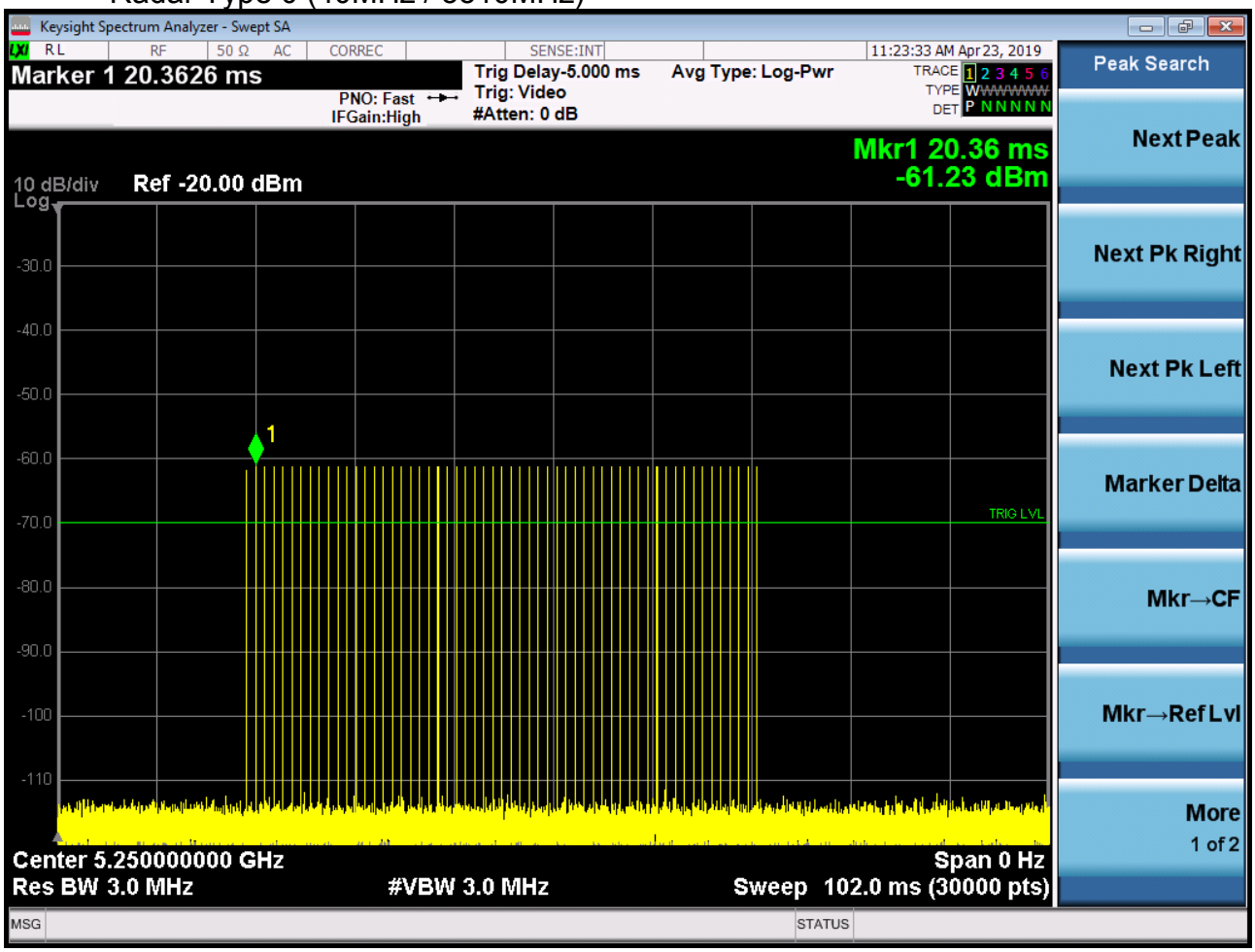
4.11.4 Test plots

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

4.11.4.1 Radar Waveform Calibration Result

Radar Type 0 (40MHz / 5510MHz)



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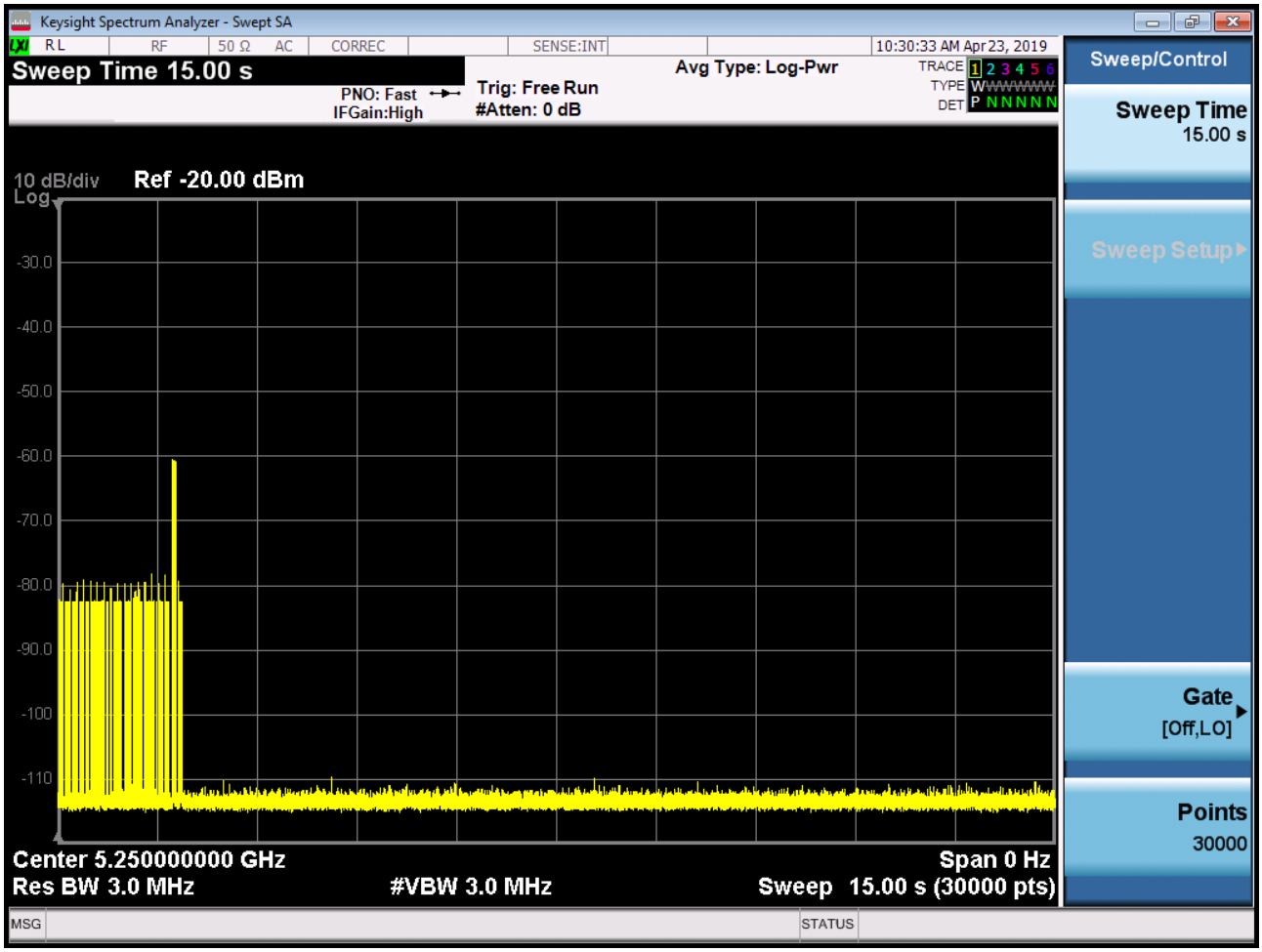
4.11.5 Test Data:

BW/Channel	Test Item	Test Result	Limit	Results
160MHz / 5250MHz	Channel Move Time	0s	＜10s	Pass
	Channel Closing Transmission Time	28.50ms	＜60ms	Pass

4.11.5.1 Test plots

4.11.5.1.1 Test Bandwidth/Channel= 160MHz / 5250MHz



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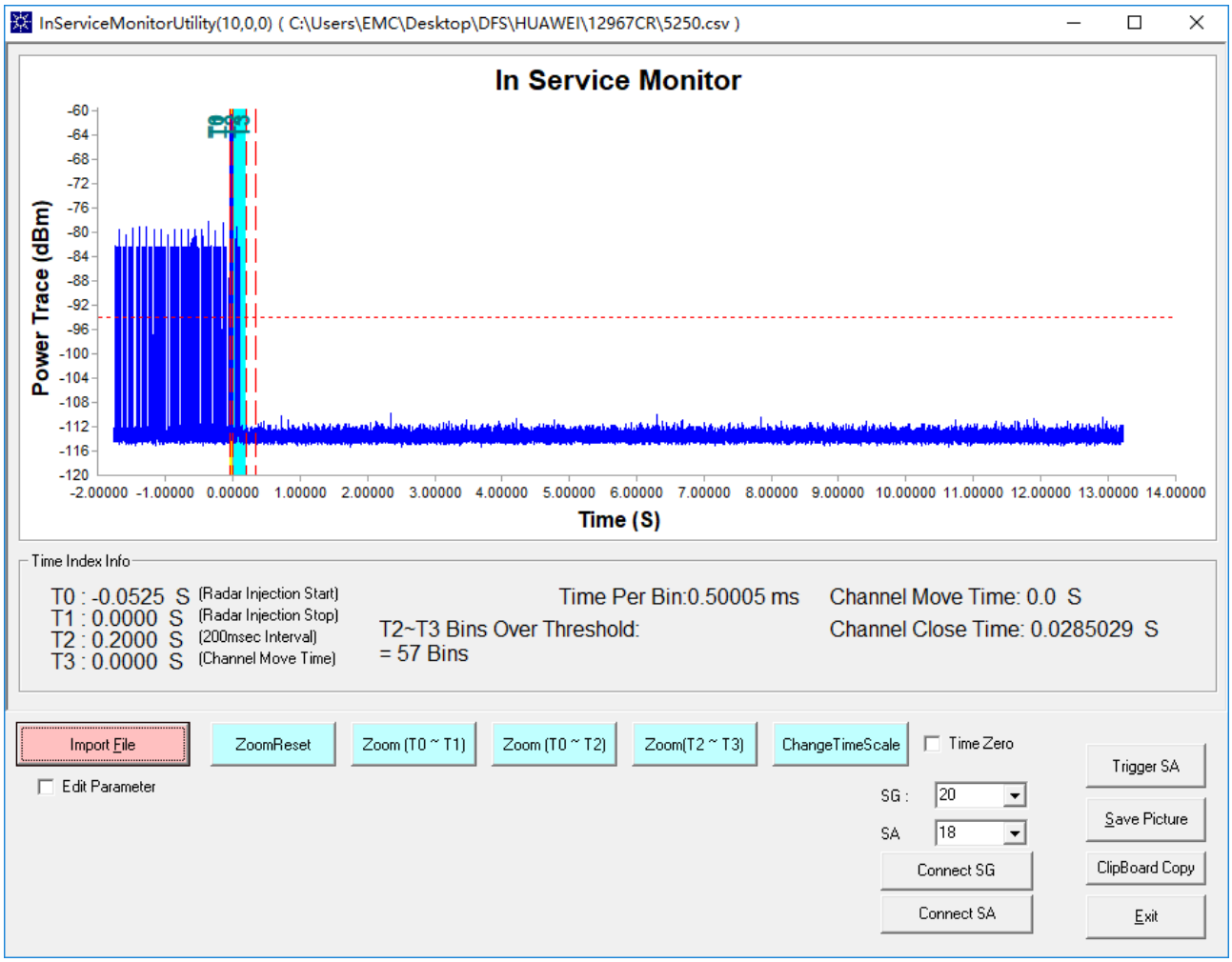

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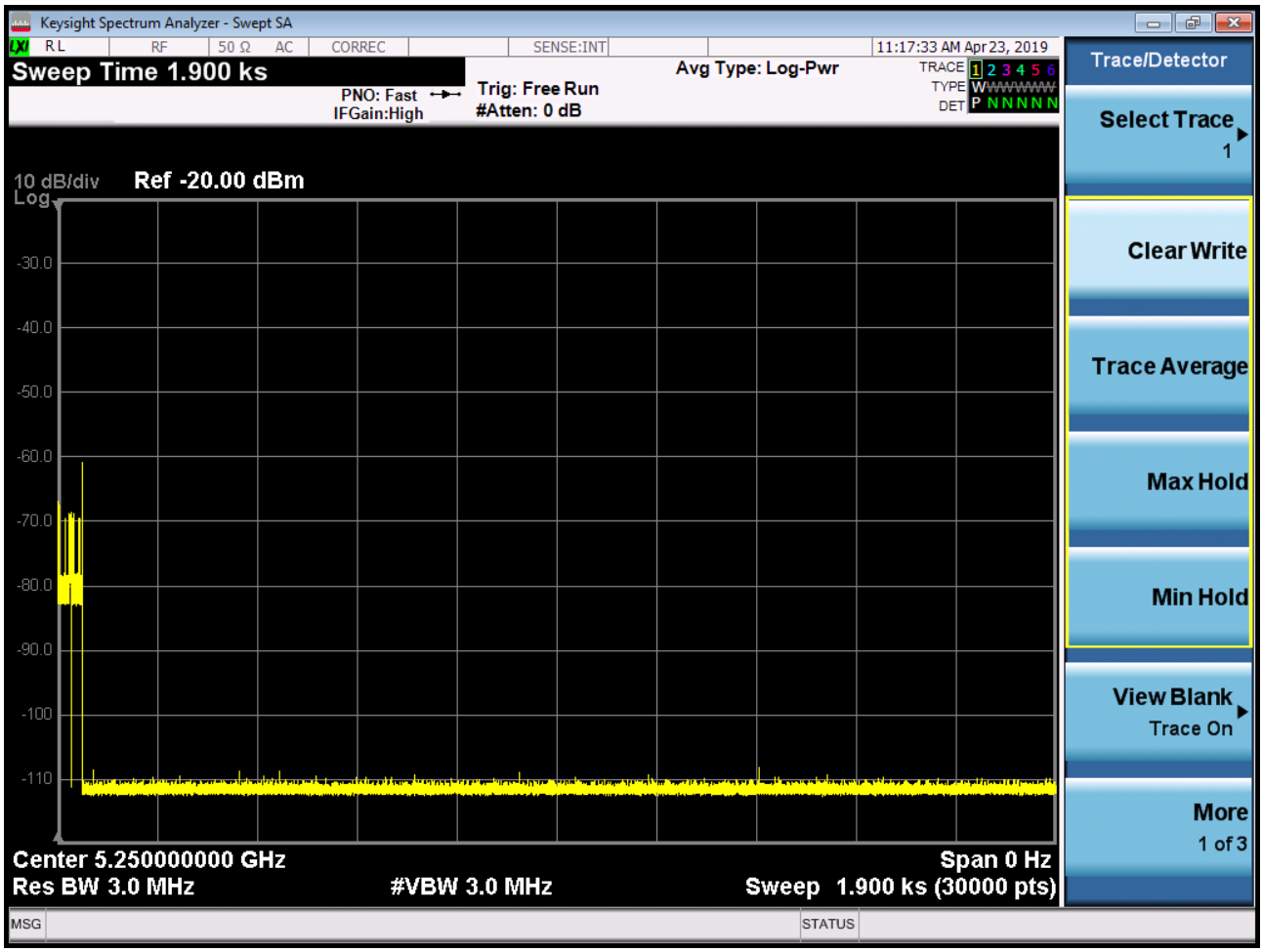

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5 Measurement Uncertainty (95% confidence levels, k=2)

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

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6 Equipment List

Conducted Emission					
Test Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal. Date (yyyy-mm-dd)**	**Cal. Due date (yyyy-mm-dd)**
Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2017/5/10	2020/5/9
LISN	Rohde & Schwarz	ENV216	SEM007-01	2018/9/2	2019/9/2
LISN	ETS-LINDGREN	Feb-16	SEM007-02	2019/3/2	2020/3/1
Measurement Software	AUDIX	e3 V5.4.1221d	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM024-01	2018/7/12	2019/7/11
8 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T8-02	EMC0120	2019/2/11	2020/2/10
4 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T4-02	EMC0121	2019/2/11	2020/2/10
2 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T2-02	EMC0122	2019/2/11	2020/2/10
EMI Test Receiver	Rohde & Schwarz	ESCI	SEM004-02	2019/3/2	2020/3/1

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

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RE in Chamber					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2017/8/5	2020/8/4
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM025-01	2018/7/12	2019/7/11
MXE EMI Receiver (20Hz-8.4GHz)	Agilent Technologies	N9038A	SEM004-05	2018/9/2	2019/9/2
BiConiLog Antenna (26-3000MHz)	ETS-LINDGREN	3142C	SEM003-01	2017/6/27	2020/6/26
Pre-amplifier (0.1-1.3GHz)	Agilent Technologies	8447D	SEM005-01	2019/3/2	2020/3/1

RE in Chamber					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)
10m Semi-Anechoic Chamber	SAEMC	FSAC1018	SEM001-03	2018/3/31	2021/3/30
EMI Test Receiver (9k-7GHz)	Rohde & Schwarz	ESR	SEM004-03	2019/3/2	2020/3/1
Trilog-Broadband Antenna (25M-2GHz)	Schwarzbeck	VULB9168	SEM003-18	2016/6/29	2019/6/28
Pre-amplifier (9k-1GHz)	Sonoma Instrument Co	310N	SEM005-03	2019/4/12	2020/4/11
Loop Antenna (9kHz-30MHz)	ETS-Lindgren	6502	SEM003-08	2017/8/22	2020/8/21
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM029-01	2018/7/12	2019/7/11

RE in Chamber					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)
3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2018/3/13	2021/3/12
Spectrum Analyzer (20Hz-43GHz)	Rohde & Schwarz	FSU43	SEM004-08	2019/3/2	2020/3/1
BiConiLog Antenna (26-3000MHz)	ETS-Lindgren	3142C	SEM003-01	2017/6/27	2020/6/26
Horn Antenna (800MHz-18GHz)	Rohde & Schwarz	HF907	SEM003-07	2018/413	2021/412
Horn Antenna (15-40GHz)	Schwarzbeck	BBHA 9170	SEM003-15	2017/10/17	2020/10/16
Amplifier(0.1-1300MHz)	HP	8447D	SEM005-02	2018/9/2	2019/9/2
Low Noise Amplifier (100MHz-18GHz)	Black Diamond Series	BDLNA-0118-352810	SEM005-05	2018/9/2	2019/9/2
Pre-Amplifier(0.1-26.5GHz)	Compliance Directions Systems Inc.	PAP-0126	EMC2063	2018/11/20	2019/11/19
Pre-amplifier(26-40GHz)	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2019/3/2	2020/3/1
Band filter	N/A	N/A	N/A	N/A	N/A
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2018/7/12	2019/7/11

7 Photographs - EUT Test Setup Details

Refer to Appendix A - Photographs of EUT Test Setup Details for HR/2019/30012.

The End

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