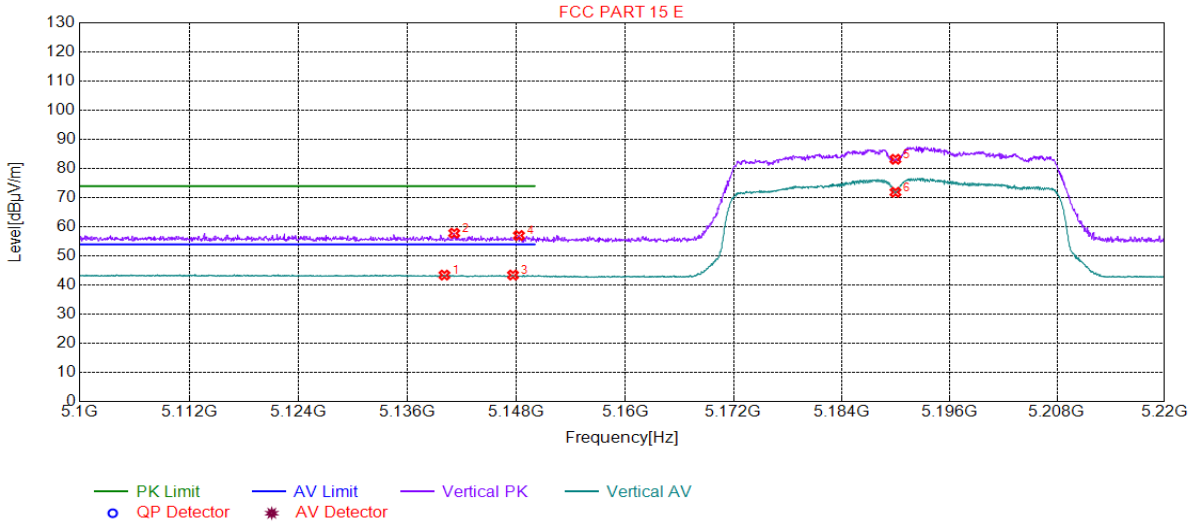
4.10.1.34 802.11N40_Channel 38

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5140.04	43.46	19.34	54.00	10.54	279	18	Vertical
2	5141.12	57.83	19.34	74.00	16.17	201	108	Vertical
3	5147.60	43.48	19.33	54.00	10.52	189	245	Vertical
4	5148.26	57.03	19.33	74.00	16.97	226	81	Vertical
5	5190.00	83.19	19.00	0.00	-83.19	204	279	Vertical
6	5190.00	71.87	19.00	0.00	-71.87	235	279	Vertical

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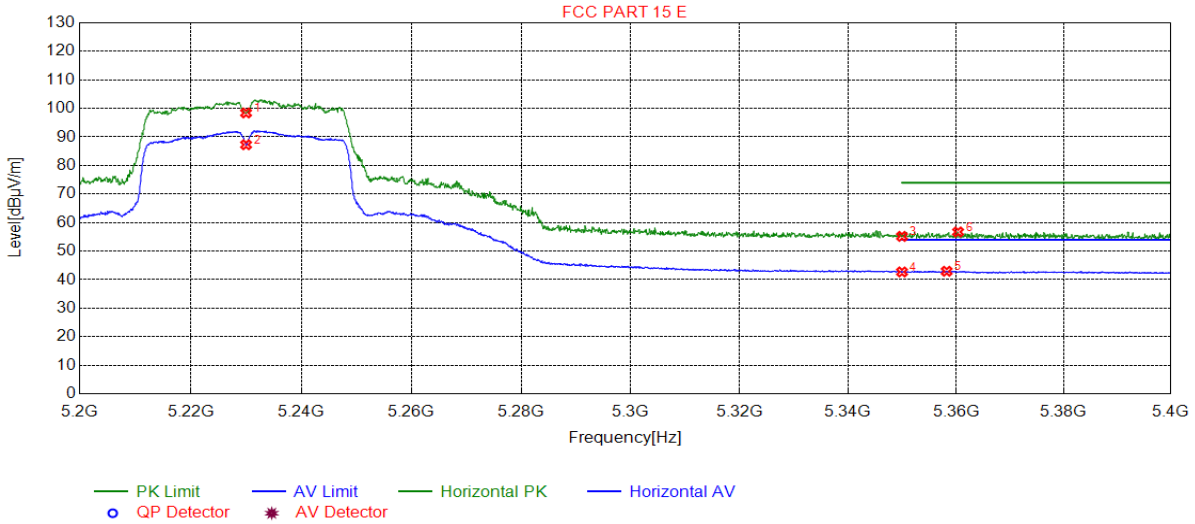
4.10.1.35 802.11N40_Channel 46

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5230.00	98.42	18.94	0.00	-98.42	215	238	Horizontal
2	5230.00	87.28	18.94	0.00	-87.28	141	231	Horizontal
3	5350.00	55.17	18.54	74.00	18.83	228	339	Horizontal
4	5350.00	42.71	18.54	54.00	11.29	196	339	Horizontal
5	5358.27	42.96	18.58	54.00	11.04	241	43	Horizontal
6	5360.38	56.73	18.58	74.00	17.27	187	339	Horizontal

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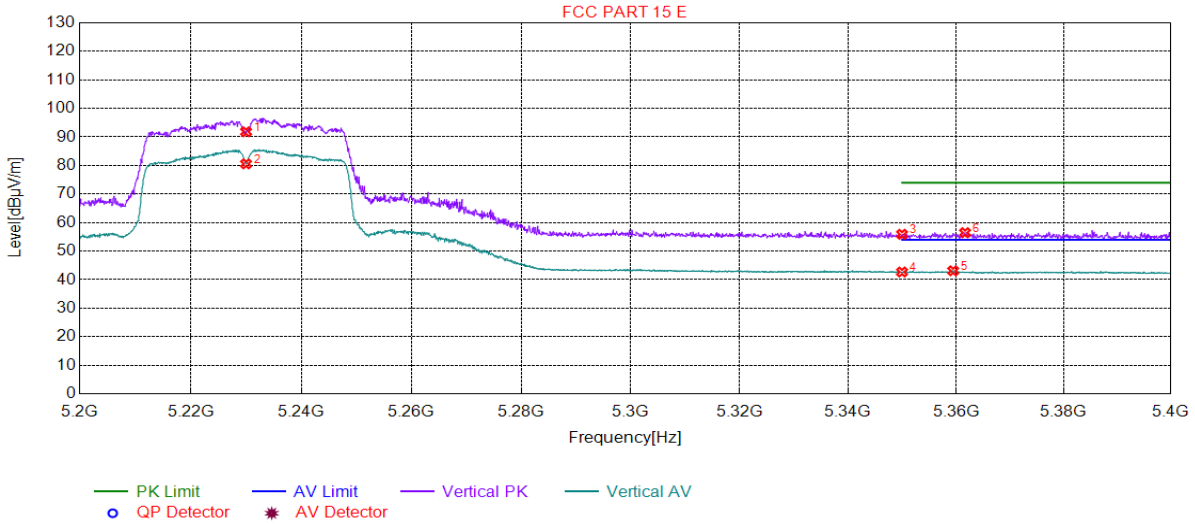
4.10.1.36 802.11N40_Channel 46

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5230.00	91.83	18.94	0.00	-91.83	286	280	Vertical
2	5230.00	80.59	18.94	0.00	-80.59	288	280	Vertical
3	5350.00	55.91	18.54	74.00	18.09	283	269	Vertical
4	5350.00	42.70	18.54	54.00	11.30	173	340	Vertical
5	5359.47	43.11	18.59	54.00	10.89	174	327	Vertical
6	5361.68	56.47	18.54	74.00	17.53	274	96	Vertical

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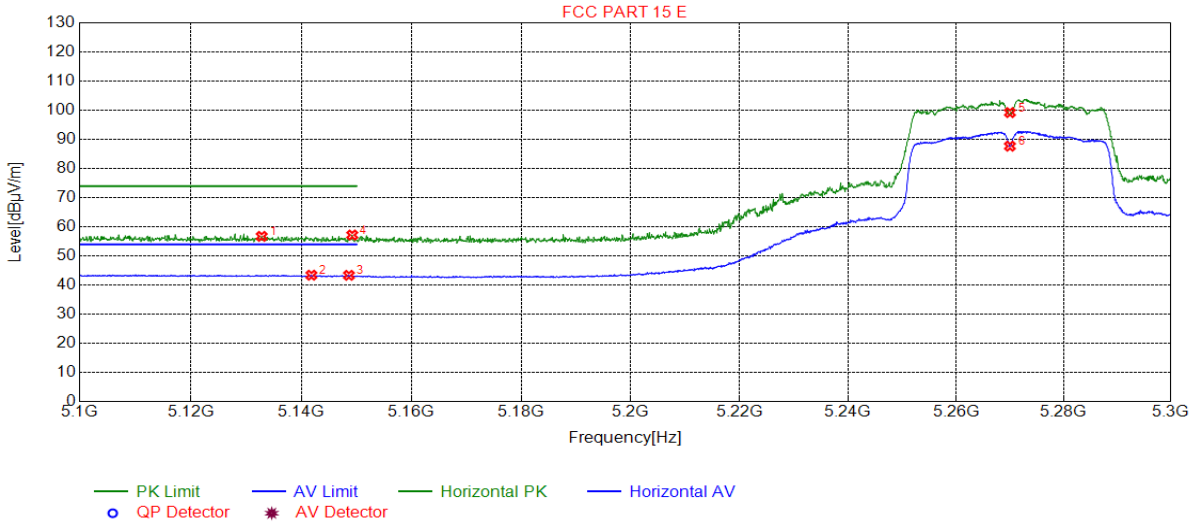
4.10.1.37 802.11N40_Channel 54

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5132.81	56.74	19.38	74.00	17.26	171	322	Horizontal
2	5141.82	43.43	19.33	54.00	10.57	100	225	Horizontal
3	5148.62	43.38	19.33	54.00	10.62	164	328	Horizontal
4	5149.22	57.20	19.33	74.00	16.80	228	230	Horizontal
5	5270.00	99.20	18.63	0.00	-99.20	143	230	Horizontal
6	5270.00	87.68	18.63	0.00	-87.68	240	230	Horizontal

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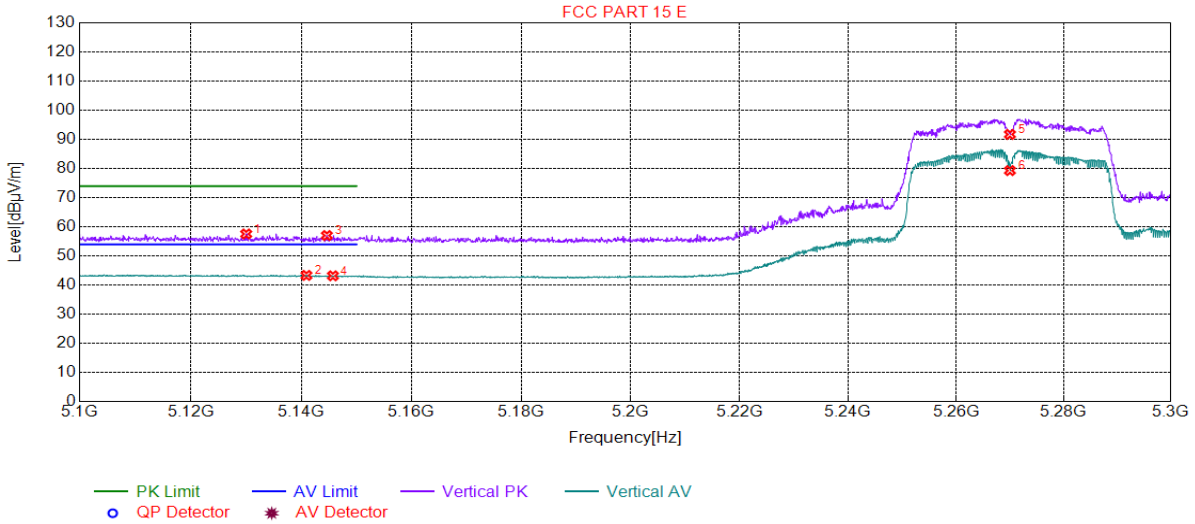
4.10.1.38 802.11N40_Channel 54

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5130.01	57.57	19.34	74.00	16.43	253	20	Vertical
2	5140.92	43.36	19.34	54.00	10.64	206	317	Vertical
3	5144.62	57.04	19.32	74.00	16.96	184	329	Vertical
4	5145.72	43.21	19.32	54.00	10.79	185	57	Vertical
5	5270.00	91.72	18.63	0.00	-91.72	285	282	Vertical
6	5270.00	79.31	18.63	0.00	-79.31	158	274	Vertical

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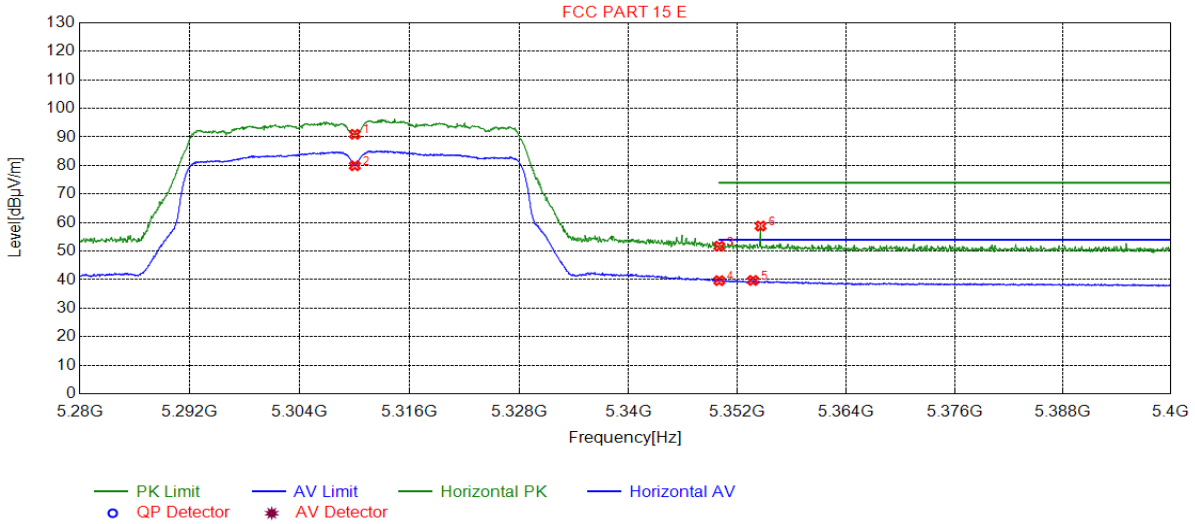
4.10.1.39 802.11N40_Channel 62

Test Graph



Suspected List

Suspected List								
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1	5310.00	90.94	18.57	0.00	-90.94	152	234	Horizontal
2	5310.00	79.92	18.57	0.00	-79.92	205	228	Horizontal
3	5350.00	51.74	18.54	74.00	22.26	161	312	Horizontal
4	5350.00	39.67	18.54	54.00	14.33	178	220	Horizontal
5	5353.71	39.74	18.55	54.00	14.26	110	238	Horizontal
6	5354.55	58.80	18.55	74.00	15.20	167	220	Horizontal

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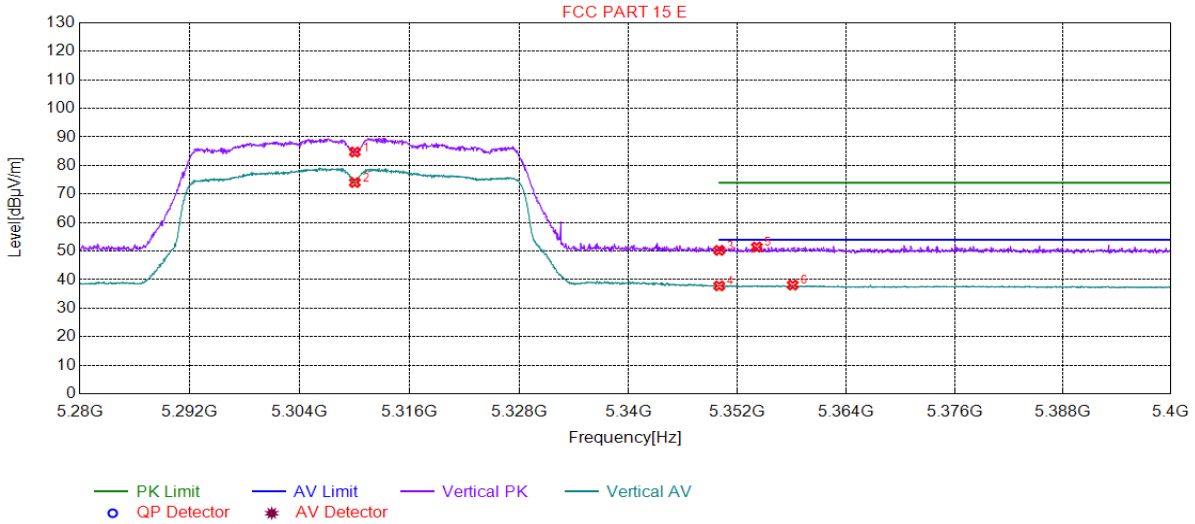
4.10.1.40 802.11N40_Channel 62

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5310.00	84.71	18.57	0.00	-84.71	296	292	Vertical
2	5310.00	74.04	18.57	0.00	-74.04	151	276	Vertical
3	5350.00	50.28	18.54	74.00	23.72	293	268	Vertical
4	5350.00	37.84	18.54	54.00	16.16	253	292	Vertical
5	5354.13	51.44	18.55	74.00	22.56	256	312	Vertical
6	5358.09	38.14	18.58	54.00	15.86	231	86	Vertical

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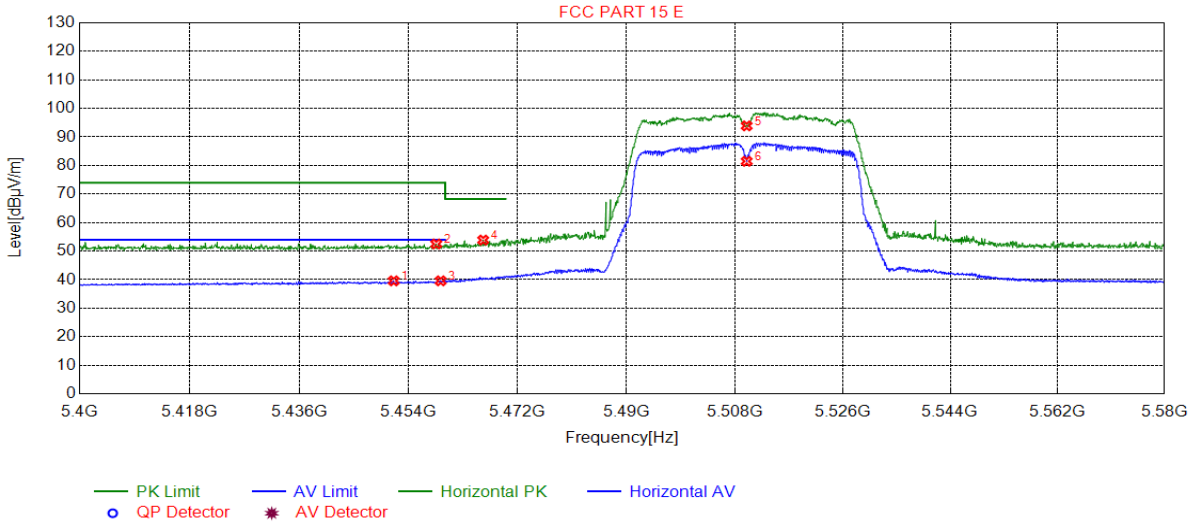
4.10.1.41 802.11N40_Channel 102

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5451.50	39.59	18.09	54.00	14.41	164	234	Horizontal
2	5458.52	52.52	18.11	74.00	21.48	197	230	Horizontal
3	5459.24	39.60	18.12	54.00	14.40	138	230	Horizontal
4	5466.27	53.88	18.20	68.30	14.42	206	230	Horizontal
5	5510.00	93.89	18.08	0.00	-93.89	238	237	Horizontal
6	5510.00	81.48	18.08	0.00	-81.48	247	241	Horizontal

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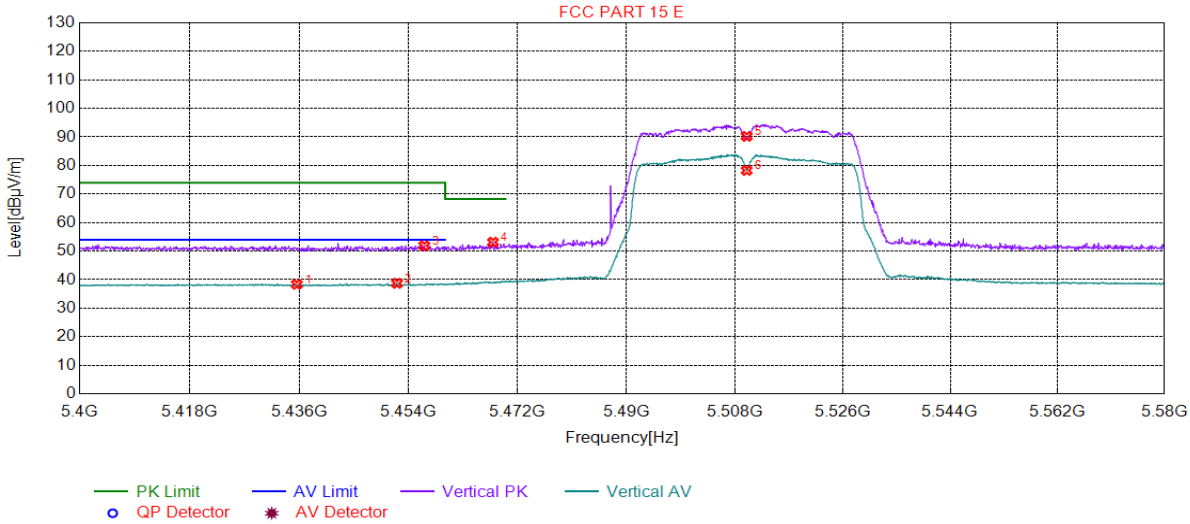
4.10.1.42 802.11N40_Channel 102

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5435.56	38.38	18.08	54.00	15.62	178	186	Vertical
2	5452.04	38.74	18.08	54.00	15.26	194	186	Vertical
3	5456.54	51.88	18.08	74.00	22.12	226	94	Vertical
4	5467.89	53.14	18.20	68.30	15.16	255	190	Vertical
5	5510.00	90.22	18.08	0.00	-90.22	211	182	Vertical
6	5510.00	78.29	18.08	0.00	-78.29	292	186	Vertical

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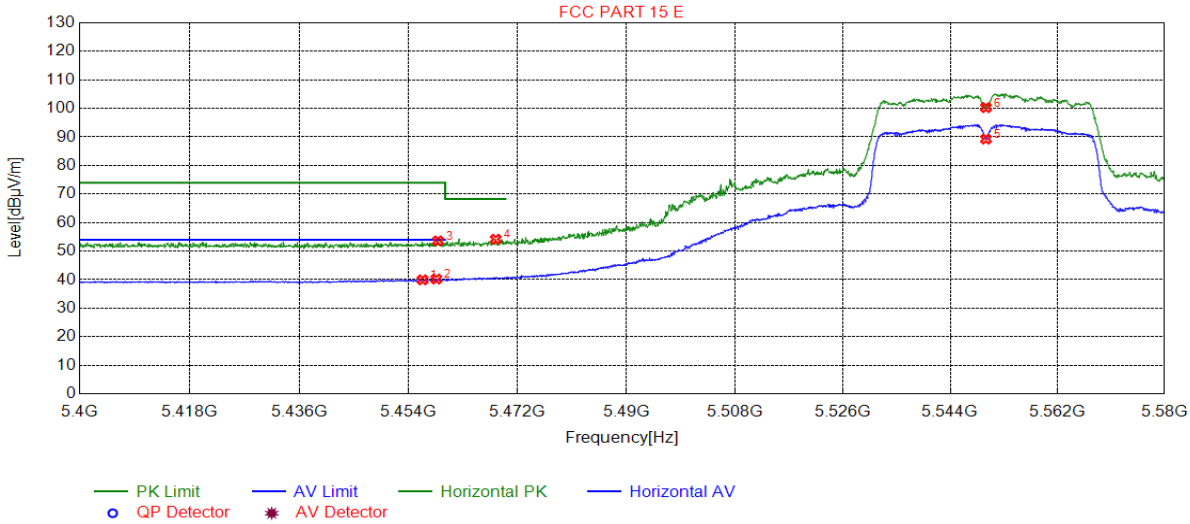
4.10.1.43 802.11N40_Channel 110

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5456.27	39.96	18.08	54.00	14.04	111	235	Horizontal
2	5458.52	40.24	18.11	54.00	13.76	200	228	Horizontal
3	5458.79	53.59	18.11	74.00	20.41	170	256	Horizontal
4	5468.34	54.18	18.20	68.30	14.12	134	235	Horizontal
5	5550.00	89.26	18.18	0.00	-89.26	163	228	Horizontal
6	5550.00	100.30	18.18	0.00	-100.30	243	228	Horizontal

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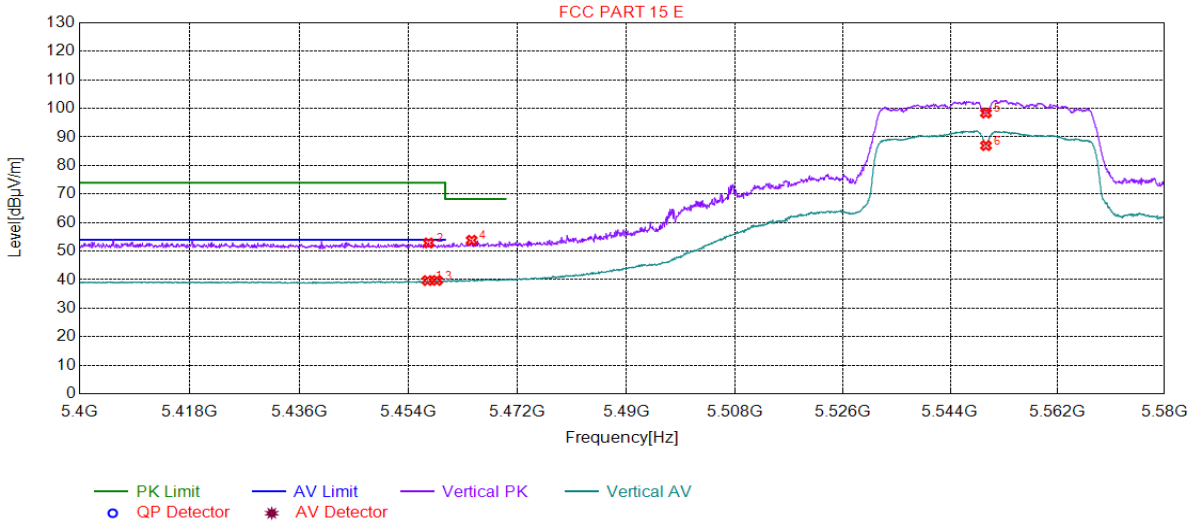
4.10.1.44 802.11N40_Channel 110

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5457.08	39.71	18.09	54.00	14.29	210	190	Vertical
2	5457.26	52.89	18.09	74.00	21.11	297	204	Vertical
3	5458.61	39.75	18.11	54.00	14.25	204	186	Vertical
4	5464.38	53.82	18.20	68.30	14.48	186	211	Vertical
5	5550.00	98.38	18.18	0.00	-98.38	293	204	Vertical
6	5550.00	86.98	18.18	0.00	-86.98	214	204	Vertical

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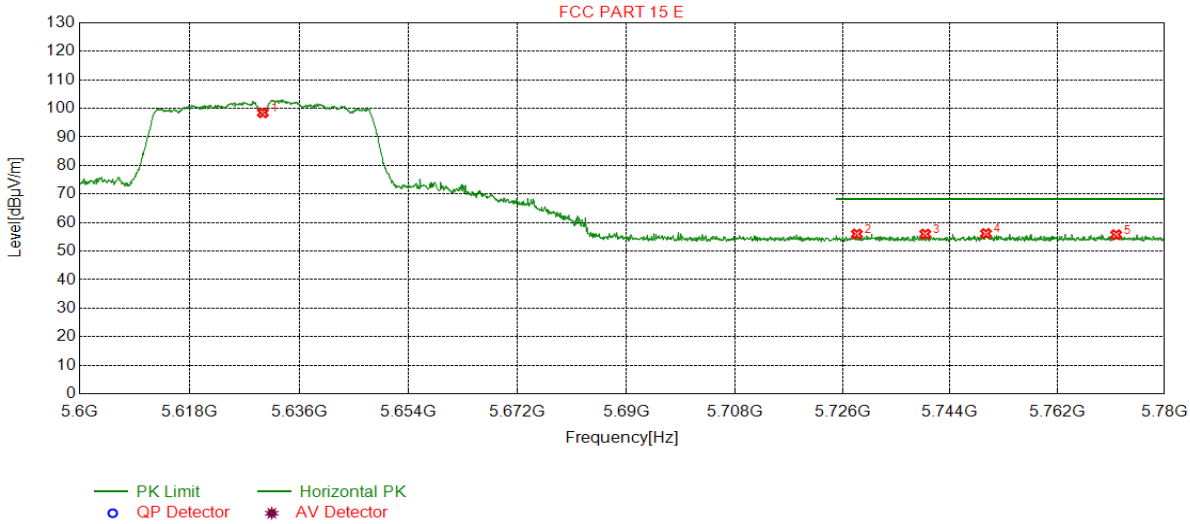
4.10.1.45 802.11N40_Channel 126

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5630.00	98.47	18.22	0.00	-98.47	235	222	Horizontal
2	5728.40	56.01	18.45	68.30	12.29	187	124	Horizontal
3	5739.83	55.99	18.32	68.30	12.31	209	298	Horizontal
4	5750.01	56.17	18.61	68.30	12.13	119	271	Horizontal
5	5771.89	55.76	18.39	68.30	12.54	229	298	Horizontal

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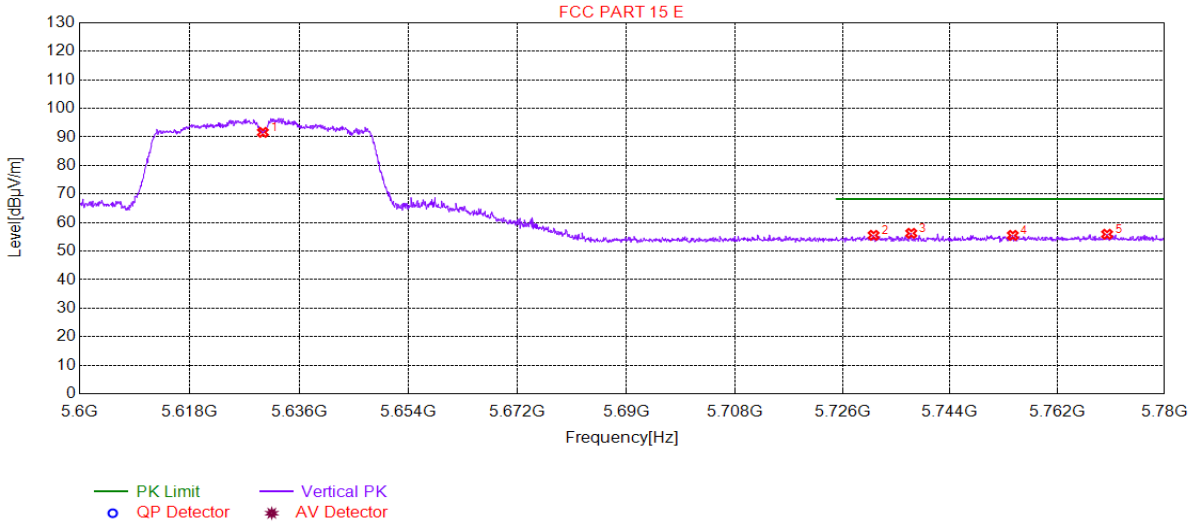
4.10.1.46 802.11N40_Channel 126

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5630.00	91.62	18.22	0.00	-91.62	287	282	Vertical
2	5731.19	55.55	18.48	68.30	12.75	226	163	Vertical
3	5737.49	56.25	18.36	68.30	12.05	190	322	Vertical
4	5754.51	55.53	18.41	68.30	12.77	281	153	Vertical
5	5770.36	55.93	18.42	68.30	12.37	222	196	Vertical

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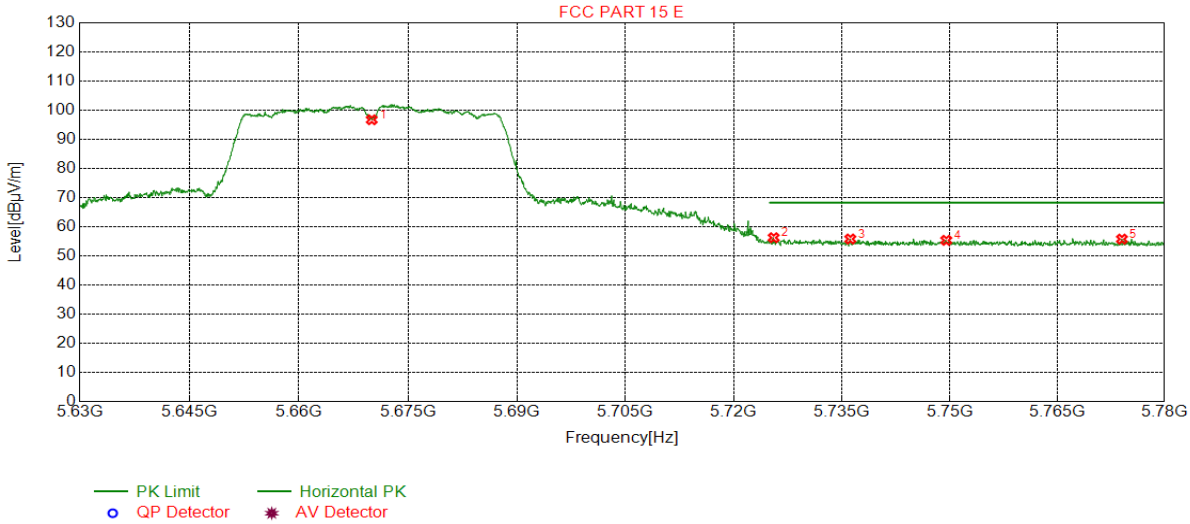
4.10.1.47 802.11N40_Channel 134

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5670.00	96.74	18.24	0.00	-96.74	169	226	Horizontal
2	5725.52	56.29	18.34	68.30	12.01	169	264	Horizontal
3	5736.17	55.84	18.38	68.30	12.46	126	49	Horizontal
4	5749.53	55.38	18.59	68.30	12.92	100	215	Horizontal
5	5774.07	55.80	18.34	68.30	12.50	116	49	Horizontal

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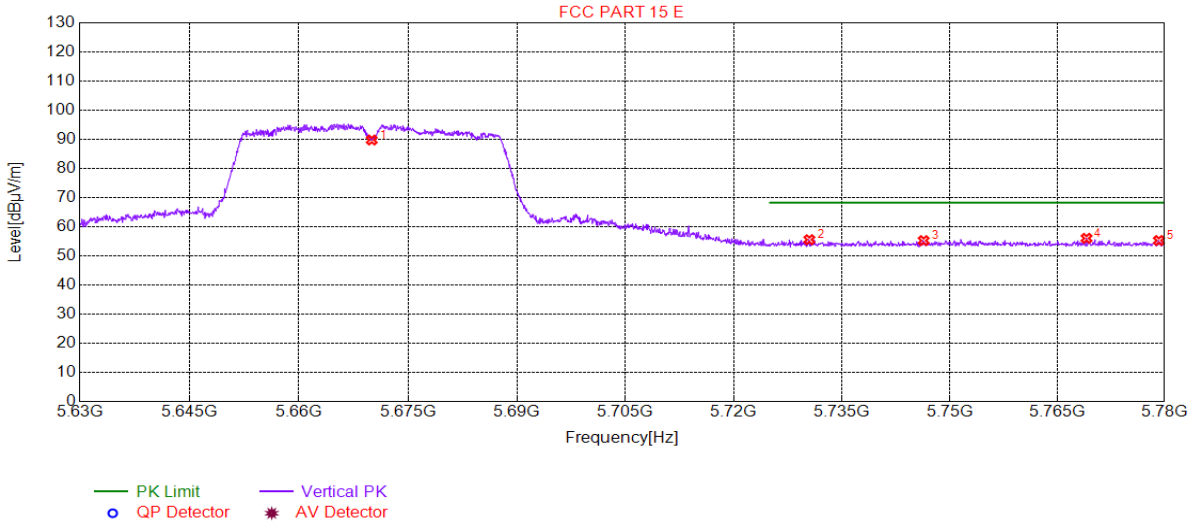
4.10.1.48 802.11N40_Channel 134

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5670.00	89.79	18.24	0.00	-89.79	194	315	Vertical
2	5730.47	55.61	18.50	68.30	12.69	169	282	Vertical
3	5746.38	55.29	18.43	68.30	13.01	247	295	Vertical
4	5769.11	56.08	18.41	68.30	12.22	170	274	Vertical
5	5779.24	55.32	18.34	68.30	12.98	195	73	Vertical

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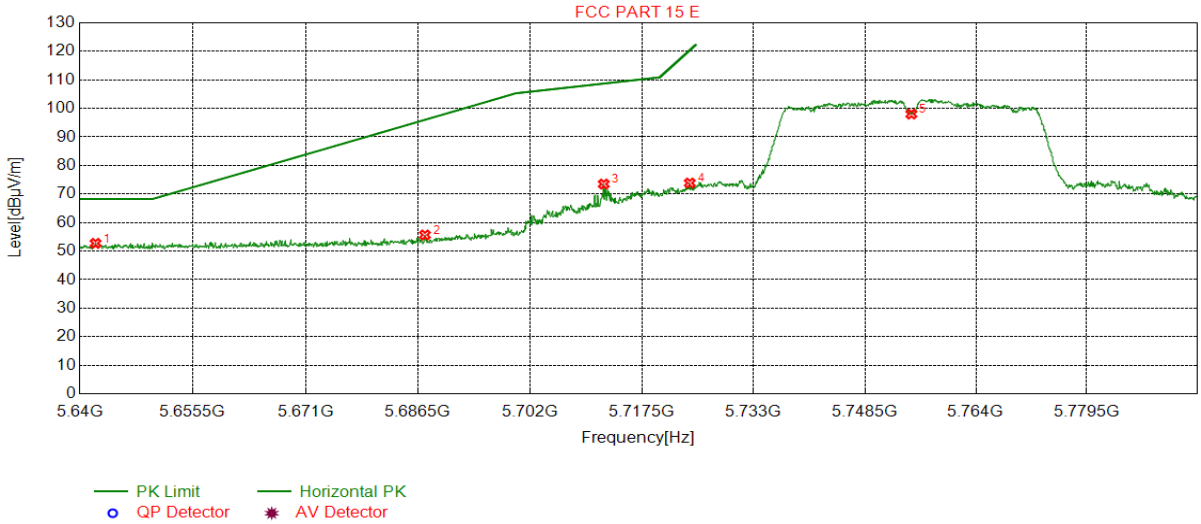
4.10.1.49 802.11N40_Channel 151

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5642.17	52.73	18.06	68.30	15.57	167	0	Horizontal
2	5687.45	55.67	18.16	96.02	40.35	128	248	Horizontal
3	5712.18	73.51	18.51	108.71	35.20	108	261	Horizontal
4	5724.12	73.86	18.33	120.32	46.46	140	220	Horizontal
5	5755.00	98.03	18.39	0.00	-98.03	213	220	Horizontal

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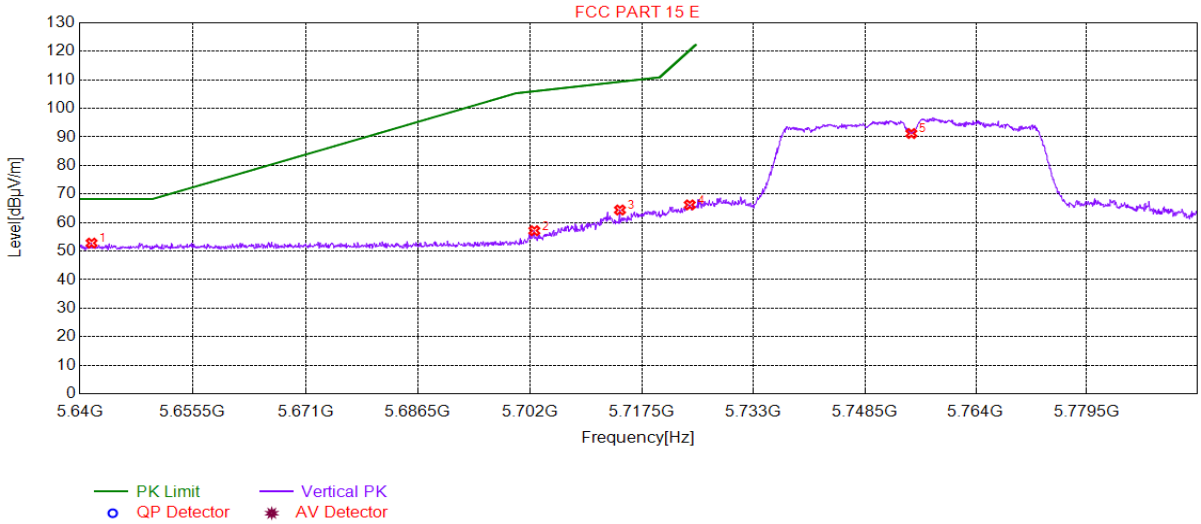
4.10.1.50 802.11N40_Channel 151

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5641.62	52.82	18.07	68.30	15.48	153	203	Vertical
2	5702.57	57.17	18.28	106.02	48.85	210	304	Vertical
3	5714.43	64.42	18.51	109.34	44.92	271	275	Vertical
4	5724.12	66.21	18.33	120.32	54.11	208	275	Vertical
5	5755.00	91.21	18.39	0.00	-91.21	290	304	Vertical

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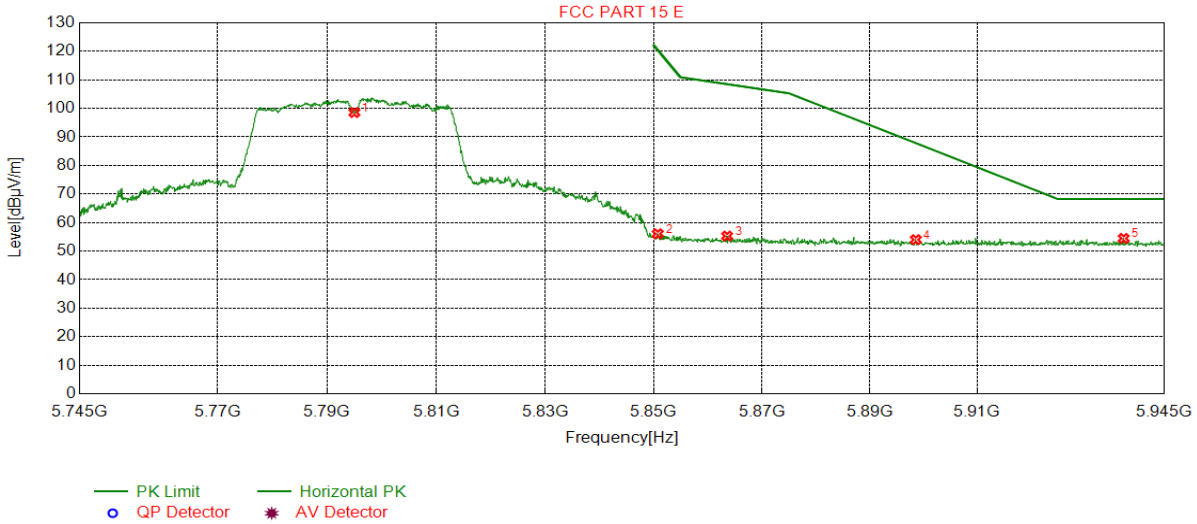
4.10.1.51 802.11N40_Channel 159

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5795.00	98.57	18.58	0.00	-98.57	151	220	Horizontal
2	5850.75	56.08	18.76	120.58	64.50	193	220	Horizontal
3	5863.55	55.29	18.75	108.50	53.21	223	328	Horizontal
4	5898.57	54.03	18.73	87.85	33.82	149	328	Horizontal
5	5937.39	54.47	18.92	68.30	13.83	120	0	Horizontal

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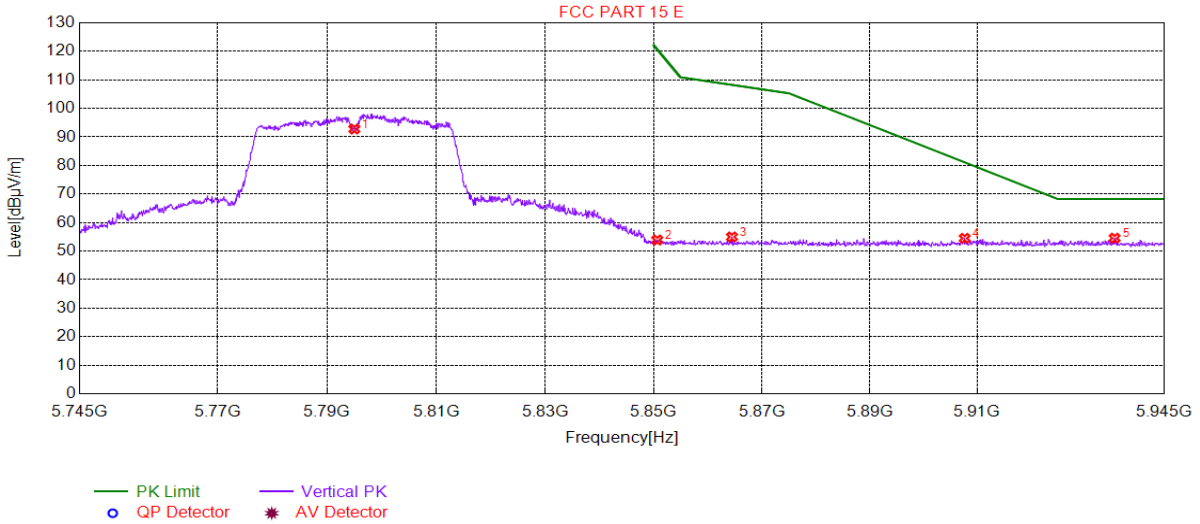
4.10.1.52 802.11N40_Channel 159

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5795.00	92.78	18.58	0.00	-92.78	208	304	Vertical
2	5850.65	53.92	18.76	120.81	66.89	259	272	Vertical
3	5864.45	54.98	18.80	108.25	53.27	260	288	Vertical
4	5907.68	54.50	19.15	81.12	26.62	162	288	Vertical
5	5935.69	54.55	19.02	68.30	13.75	270	210	Vertical

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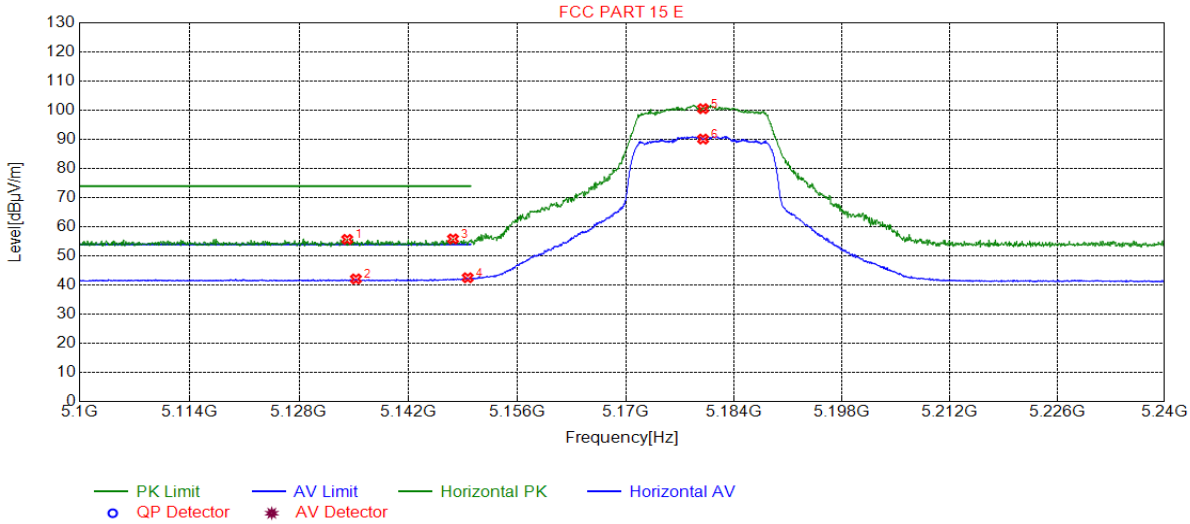
4.10.1.53 802.11AC20_Channel 36

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5134.17	55.70	19.40	74.00	18.30	120	101	Horizontal
2	5135.29	42.14	19.41	54.00	11.86	193	214	Horizontal
3	5147.76	55.87	19.33	74.00	18.13	204	229	Horizontal
4	5149.65	42.55	19.33	54.00	11.45	226	229	Horizontal
5	5180.00	100.54	19.19	0.00	-100.54	121	229	Horizontal
6	5180.00	90.12	19.19	0.00	-90.12	249	229	Horizontal

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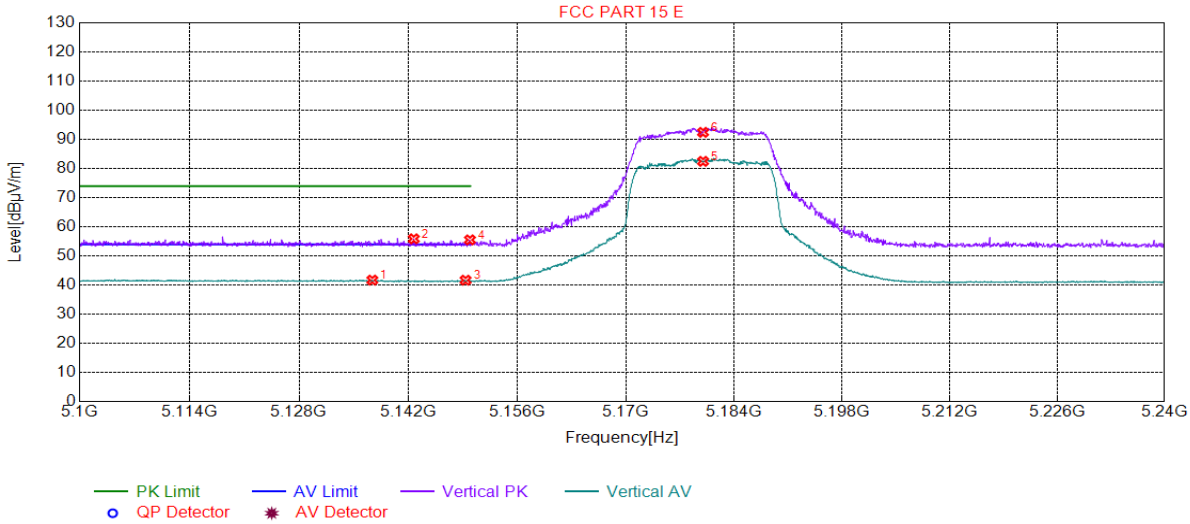
4.10.1.54 802.11AC20_Channel 36

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5137.39	41.75	19.38	54.00	12.25	237	225	Vertical
2	5142.72	55.90	19.33	74.00	18.10	184	339	Vertical
3	5149.37	41.72	19.33	54.00	12.28	189	211	Vertical
4	5149.93	55.54	19.33	74.00	18.46	202	66	Vertical
5	5180.00	82.48	19.19	0.00	-82.48	211	282	Vertical
6	5180.00	92.43	19.19	0.00	-92.43	213	278	Vertical

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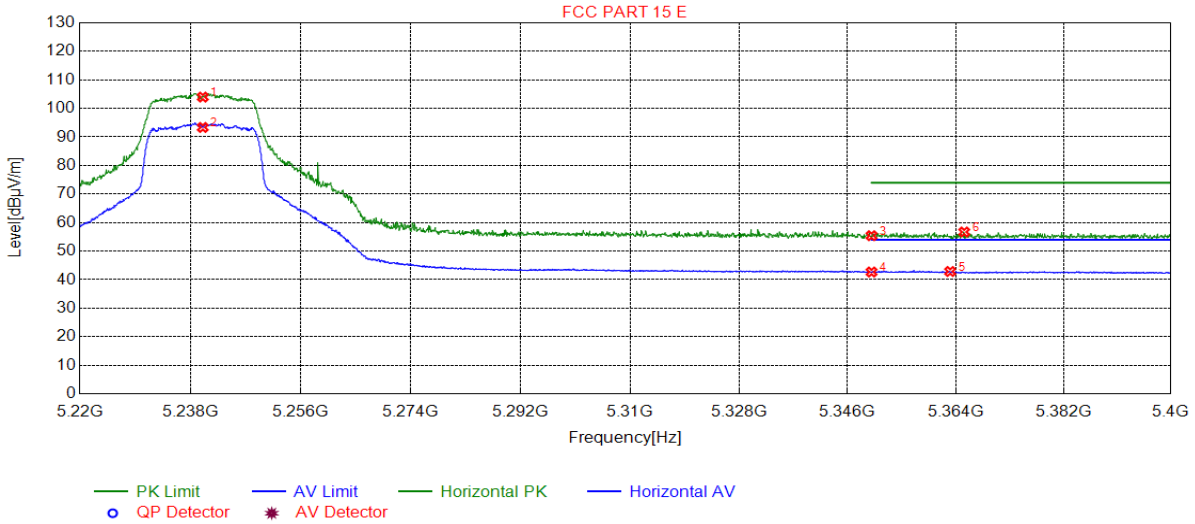
4.10.1.55 802.11AC20_Channel 48

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5240.00	103.97	18.80	0.00	-103.97	169	230	Horizontal
2	5240.00	93.34	18.80	0.00	-93.34	190	230	Horizontal
3	5350.00	55.42	18.54	74.00	18.58	159	117	Horizontal
4	5350.00	42.69	18.54	54.00	11.31	207	158	Horizontal
5	5363.08	42.88	18.49	54.00	11.12	138	264	Horizontal
6	5365.42	56.71	18.43	74.00	17.29	183	16	Horizontal

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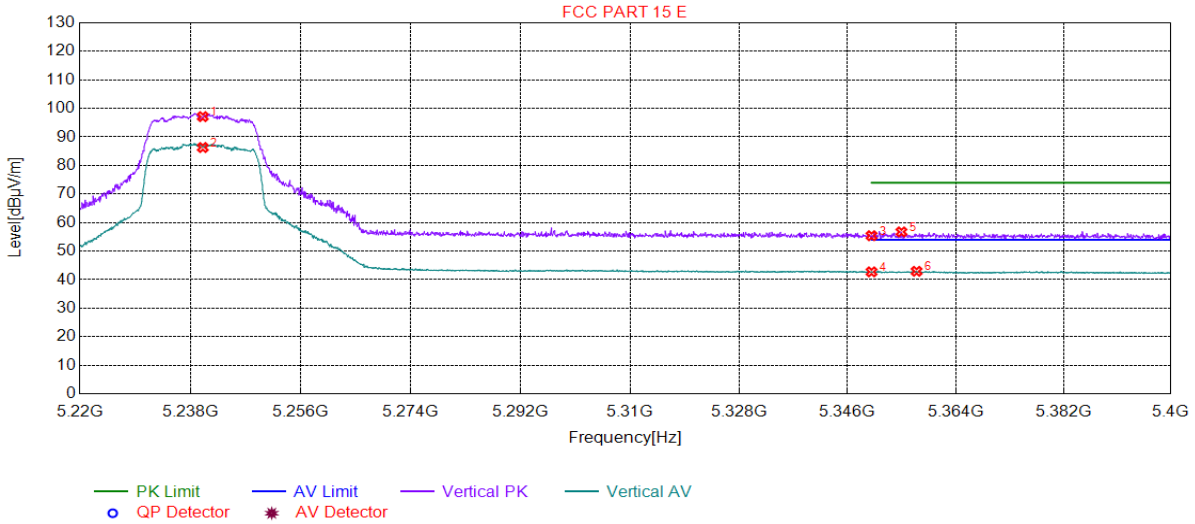
4.10.1.56 802.11AC20_Channel 48

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5240.00	97.12	18.80	0.00	-97.12	298	280	Vertical
2	5240.00	86.31	18.80	0.00	-86.31	210	280	Vertical
3	5350.00	55.41	18.54	74.00	18.59	264	56	Vertical
4	5350.00	42.75	18.54	54.00	11.25	290	264	Vertical
5	5354.97	56.75	18.55	74.00	17.25	279	192	Vertical
6	5357.49	42.94	18.57	54.00	11.06	282	14	Vertical

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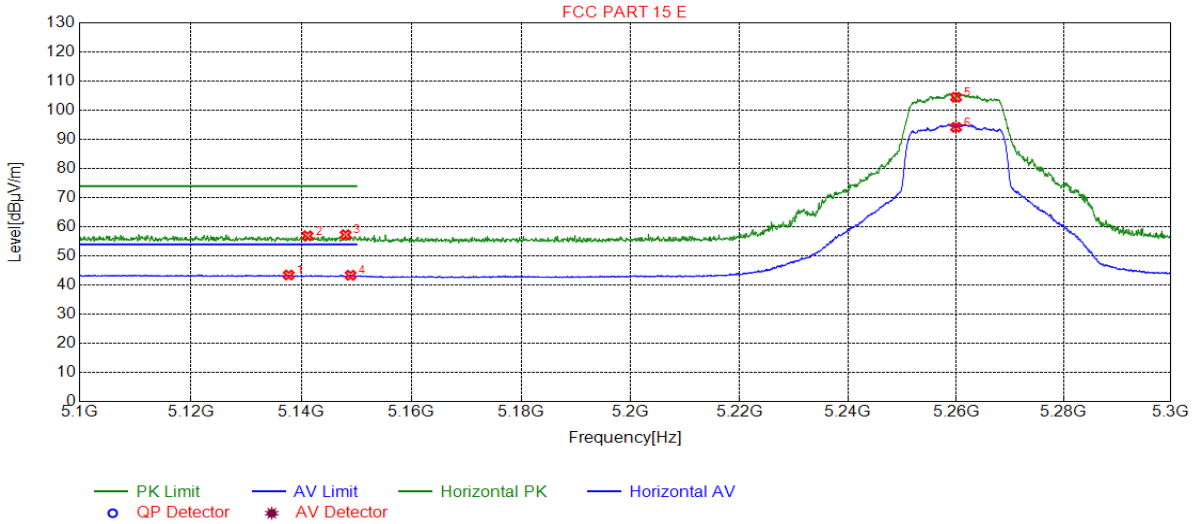
4.10.1.57 802.11AC20_Channel 52

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5137.71	43.48	19.37	54.00	10.52	242	237	Horizontal
2	5141.12	56.93	19.34	74.00	17.07	230	348	Horizontal
3	5148.02	57.30	19.33	74.00	16.70	180	332	Horizontal
4	5148.92	43.40	19.33	54.00	10.60	179	28	Horizontal
5	5260.00	104.46	18.84	0.00	-104.46	237	221	Horizontal
6	5260.00	94.16	18.84	0.00	-94.16	147	228	Horizontal

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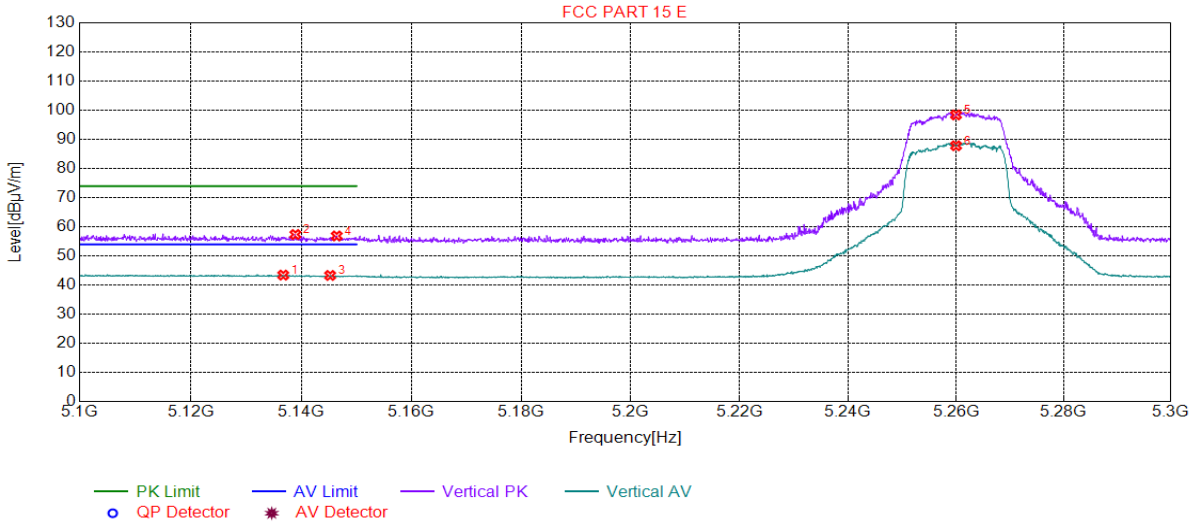
4.10.1.58 802.11AC20_Channel 52

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5136.71	43.46	19.39	54.00	10.54	178	210	Vertical
2	5138.91	57.38	19.36	74.00	16.62	292	230	Vertical
3	5145.22	43.34	19.32	54.00	10.66	237	324	Vertical
4	5146.42	56.89	19.32	74.00	17.11	293	141	Vertical
5	5260.00	98.39	18.84	0.00	-98.39	293	289	Vertical
6	5260.00	87.82	18.84	0.00	-87.82	282	281	Vertical

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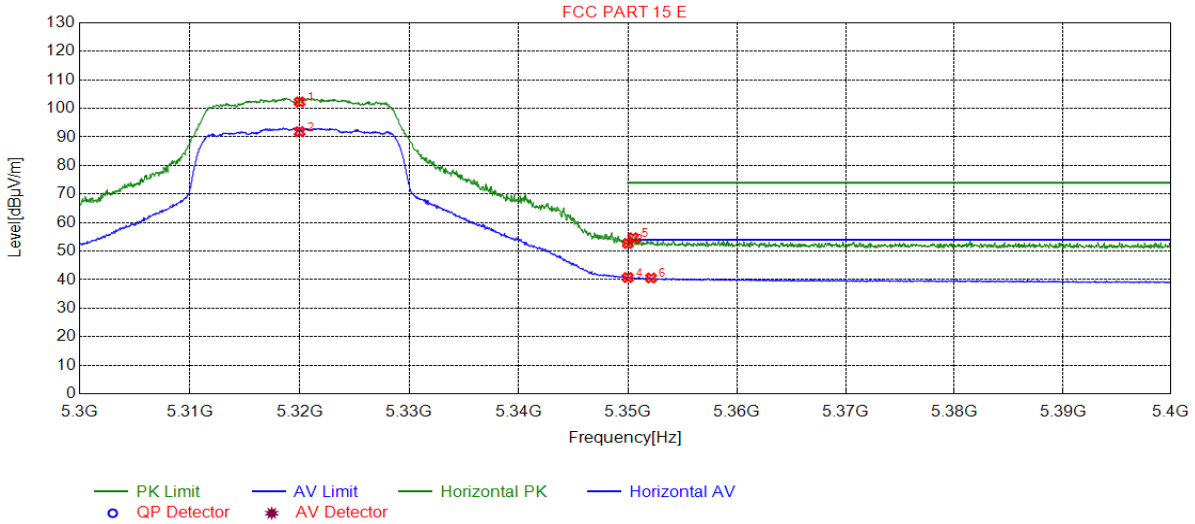
4.10.1.59 802.11AC20_Channel 64

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5320.00	102.28	18.58	0.00	-102.28	107	225	Horizontal
2	5320.00	91.86	18.58	0.00	-91.86	231	225	Horizontal
3	5350.00	52.72	18.54	74.00	21.28	105	198	Horizontal
4	5350.00	40.76	18.54	54.00	13.24	103	234	Horizontal
5	5350.47	54.71	18.54	74.00	19.29	116	314	Horizontal
6	5352.12	40.61	18.54	54.00	13.39	165	225	Horizontal

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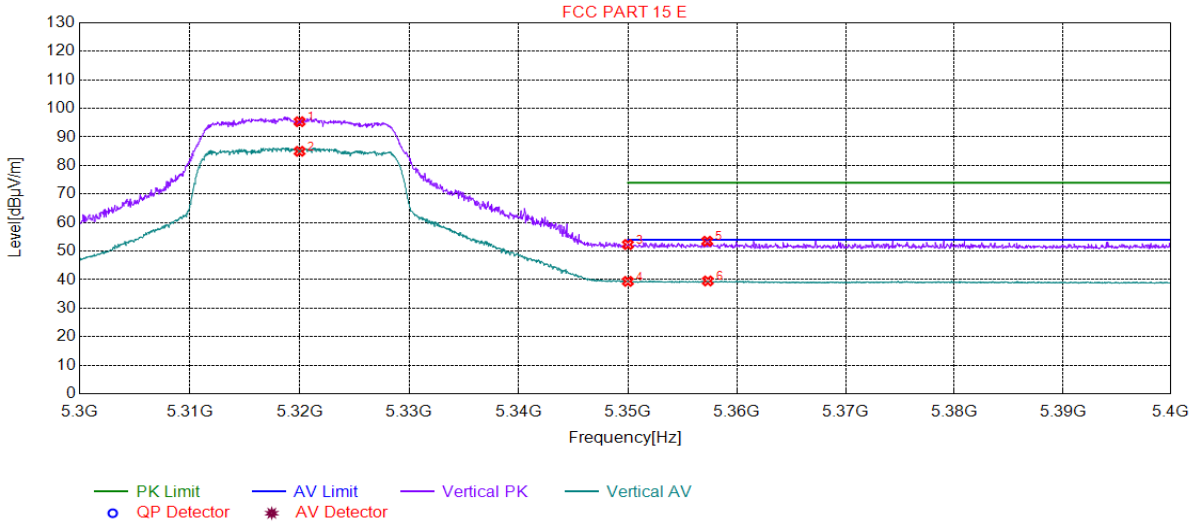
4.10.1.60 802.11AC20_Channel 64

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5320.00	95.35	18.58	0.00	-95.35	275	278	Vertical
2	5320.00	84.97	18.58	0.00	-84.97	216	278	Vertical
3	5350.00	52.32	18.54	74.00	21.68	241	201	Vertical
4	5350.00	39.41	18.54	54.00	14.59	281	54	Vertical
5	5357.27	53.48	18.57	74.00	20.52	265	136	Vertical
6	5357.32	39.56	18.57	54.00	14.44	199	240	Vertical

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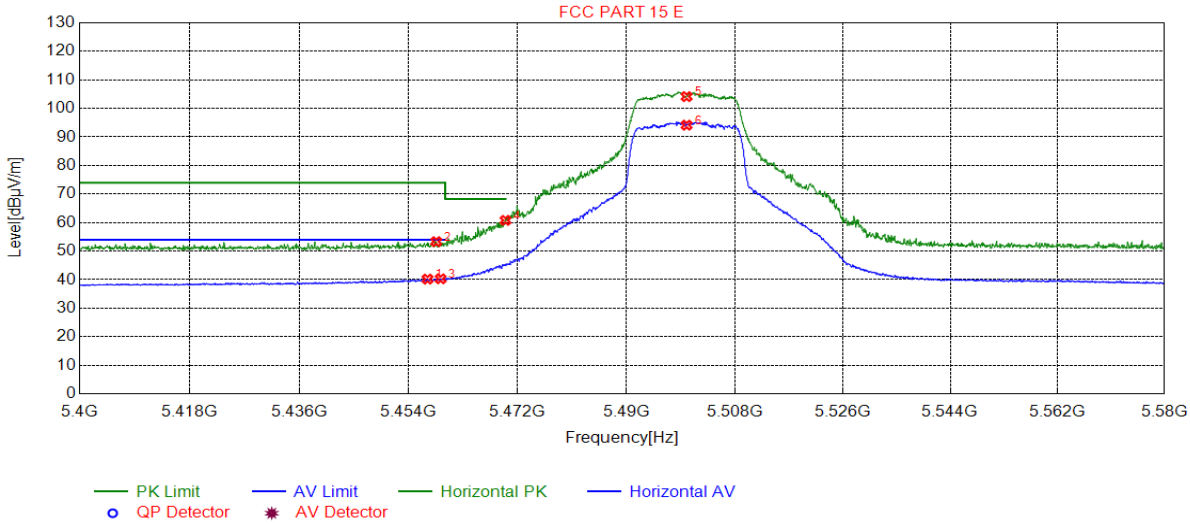
4.10.1.61 802.11AC20_Channel 100

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5457.08	40.21	18.09	54.00	13.79	216	224	Horizontal
2	5458.52	53.33	18.11	74.00	20.67	101	208	Horizontal
3	5459.24	40.32	18.12	54.00	13.68	104	220	Horizontal
4	5469.96	60.79	18.20	68.30	7.51	196	224	Horizontal
5	5500.00	104.14	18.24	0.00	-104.14	183	216	Horizontal
6	5500.00	94.14	18.24	0.00	-94.14	190	220	Horizontal

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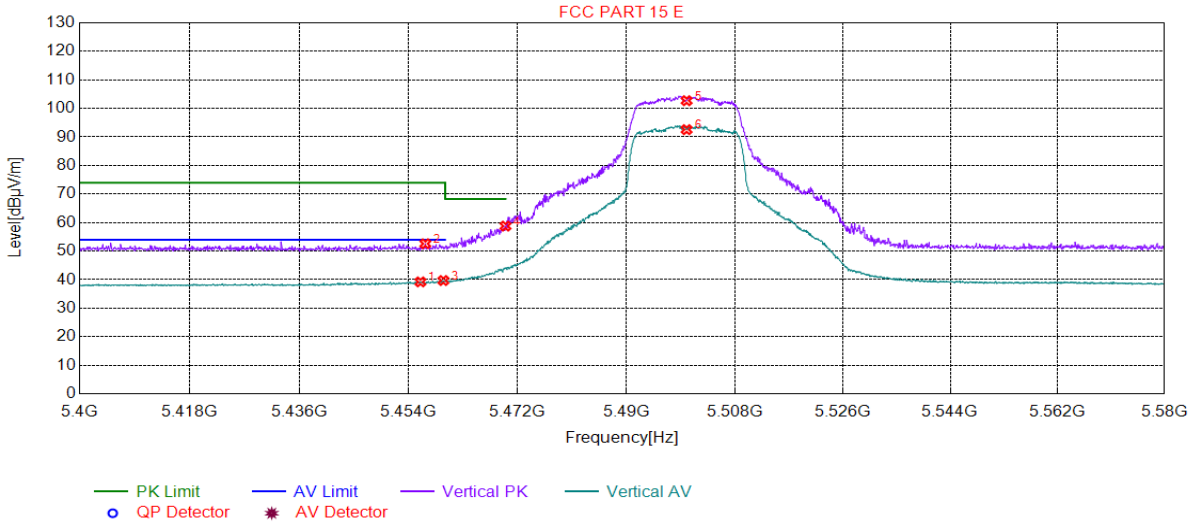
4.10.1.62 802.11AC20_Channel 100

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5455.91	39.24	18.07	54.00	14.76	204	186	Vertical
2	5456.72	52.60	18.08	74.00	21.40	281	173	Vertical
3	5459.69	39.72	18.12	54.00	14.28	226	176	Vertical
4	5469.96	58.78	18.20	68.30	9.52	154	176	Vertical
5	5500.00	102.71	18.24	0.00	-102.71	179	182	Vertical
6	5500.00	92.56	18.24	0.00	-92.56	232	182	Vertical

Final Data List

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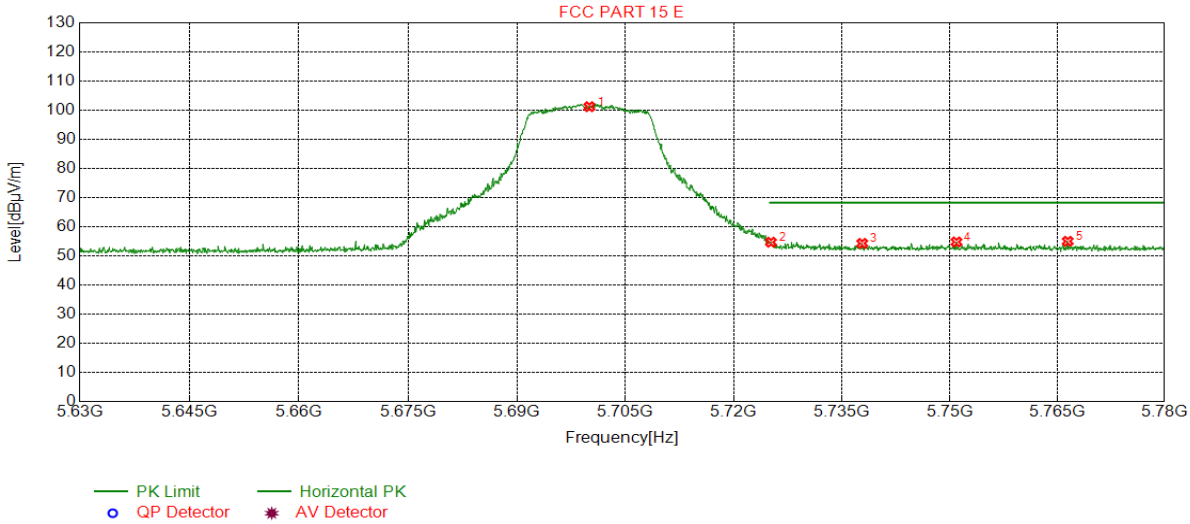
4.10.1.63 802.11AC20_Channel 140

Test Graph



Suspected List

Suspected List								
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1	5700.00	101.22	18.24	0.00	-101.22	162	210	Horizontal
2	5725.14	54.74	18.33	68.30	13.56	120	0	Horizontal
3	5737.82	54.33	18.35	68.30	13.97	143	304	Horizontal
4	5750.96	54.83	18.57	68.30	13.47	123	286	Horizontal
5	5766.49	55.06	18.37	68.30	13.24	184	204	Horizontal

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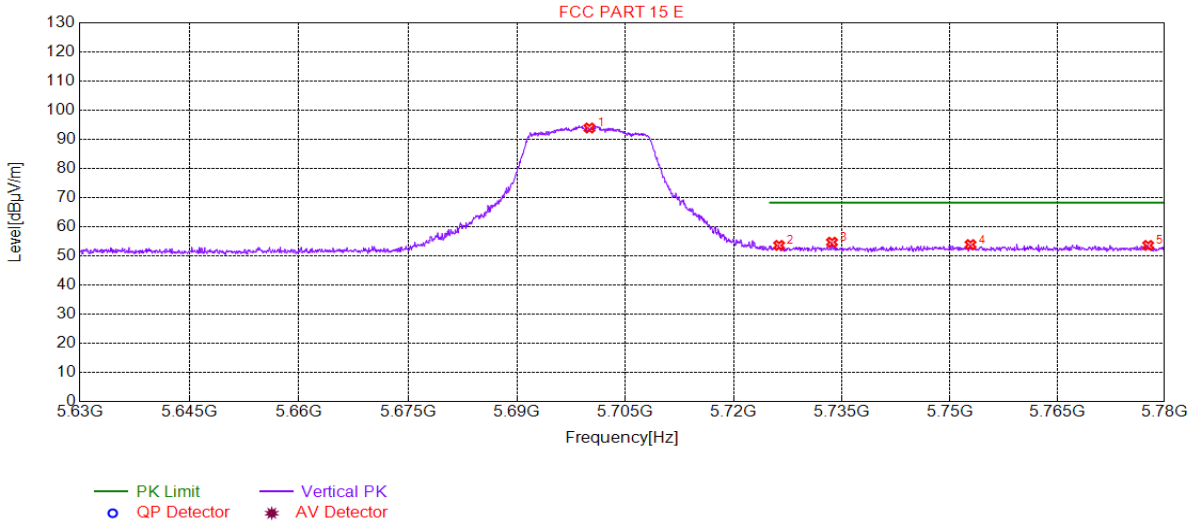
4.10.1.64 802.11AC20_Channel 140

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5700.00	93.91	18.24	0.00	-93.91	160	261	Vertical
2	5726.27	53.65	18.37	68.30	14.65	179	226	Vertical
3	5733.62	54.74	18.43	68.30	13.56	277	183	Vertical
4	5752.91	53.93	18.48	68.30	14.37	271	121	Vertical
5	5777.74	53.64	18.33	68.30	14.66	267	146	Vertical

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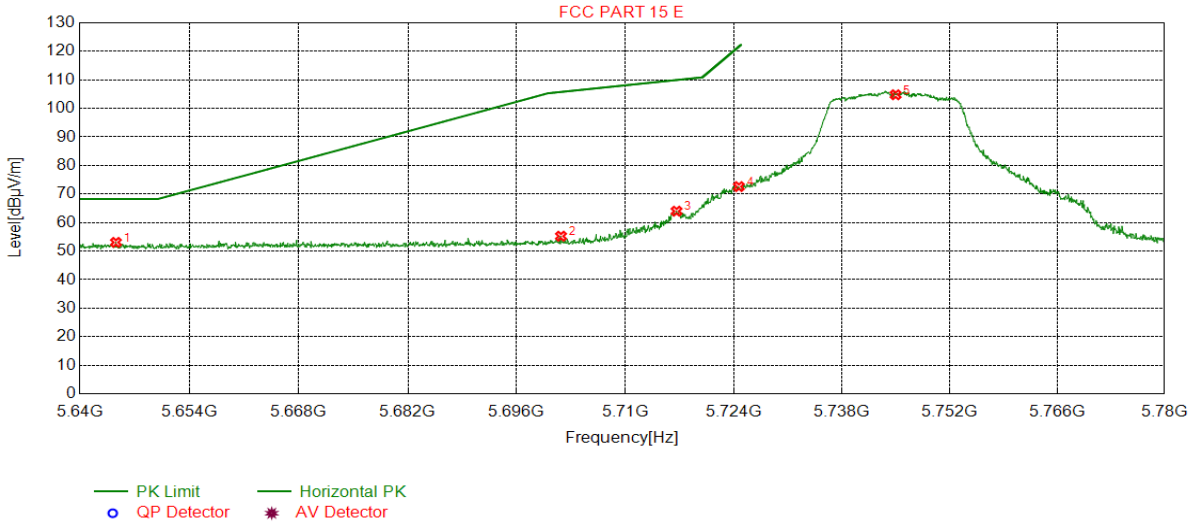
4.10.1.65 802.11AC20_Channel 149

Test Graph



Suspected List

Suspected List								
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1	5644.62	53.08	18.01	68.30	15.22	187	13	Horizontal
2	5701.70	55.25	18.27	105.78	50.53	130	202	Horizontal
3	5716.61	64.01	18.45	109.95	45.94	166	196	Horizontal
4	5724.67	72.61	18.33	121.55	48.94	143	208	Horizontal
5	5745.00	104.79	18.37	0.00	-104.79	103	208	Horizontal

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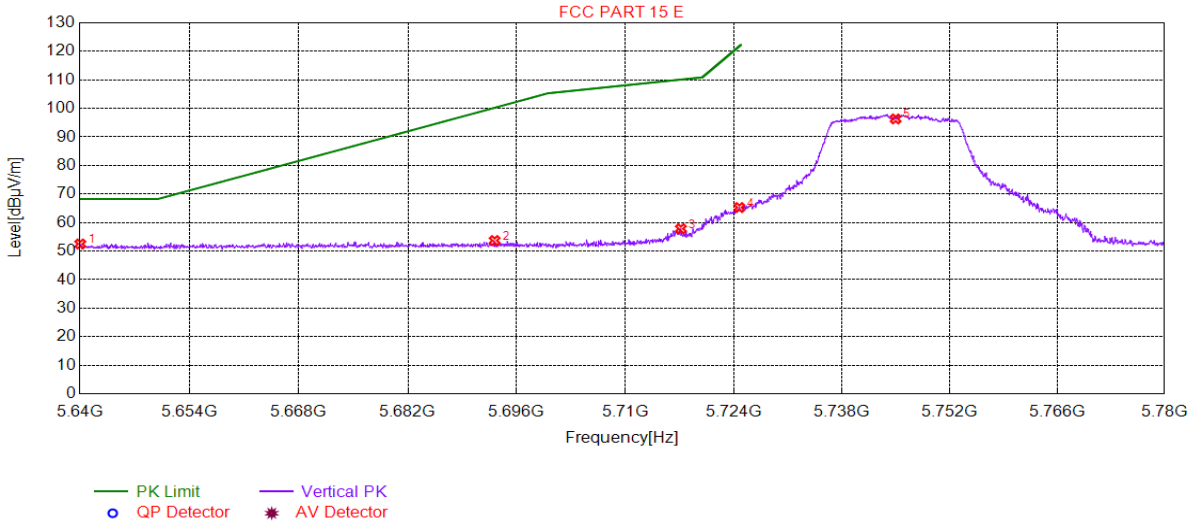
4.10.1.66 802.11AC20_Channel 149

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5640.07	52.52	18.10	68.30	15.78	154	123	Vertical
2	5693.15	53.72	18.28	100.24	46.52	240	128	Vertical
3	5717.17	57.86	18.43	110.11	52.25	153	308	Vertical
4	5724.74	65.28	18.32	121.71	56.43	153	261	Vertical
5	5745.00	96.32	18.37	0.00	-96.32	218	261	Vertical

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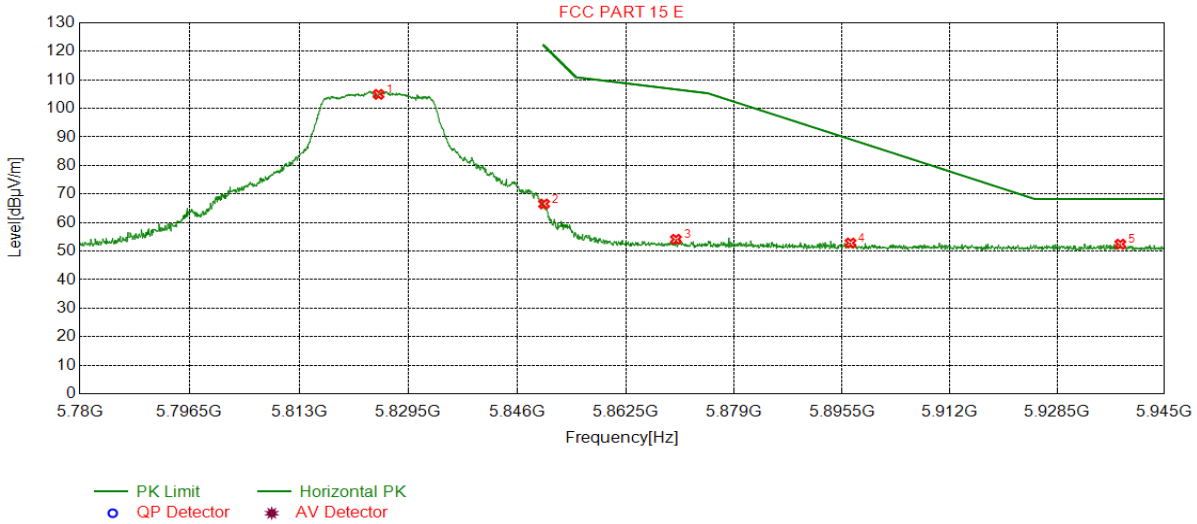
4.10.1.67 802.11AC20_Channel 165

Test Graph



Suspected List

Suspected List								
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1	5825.00	104.91	18.80	0.00	-104.91	184	213	Horizontal
2	5850.07	66.53	18.78	122.12	55.59	196	335	Horizontal
3	5870.13	54.15	18.91	106.66	52.51	190	189	Horizontal
4	5896.79	52.85	18.81	89.17	36.32	176	335	Horizontal
5	5938.23	52.45	18.88	68.30	15.85	138	277	Horizontal

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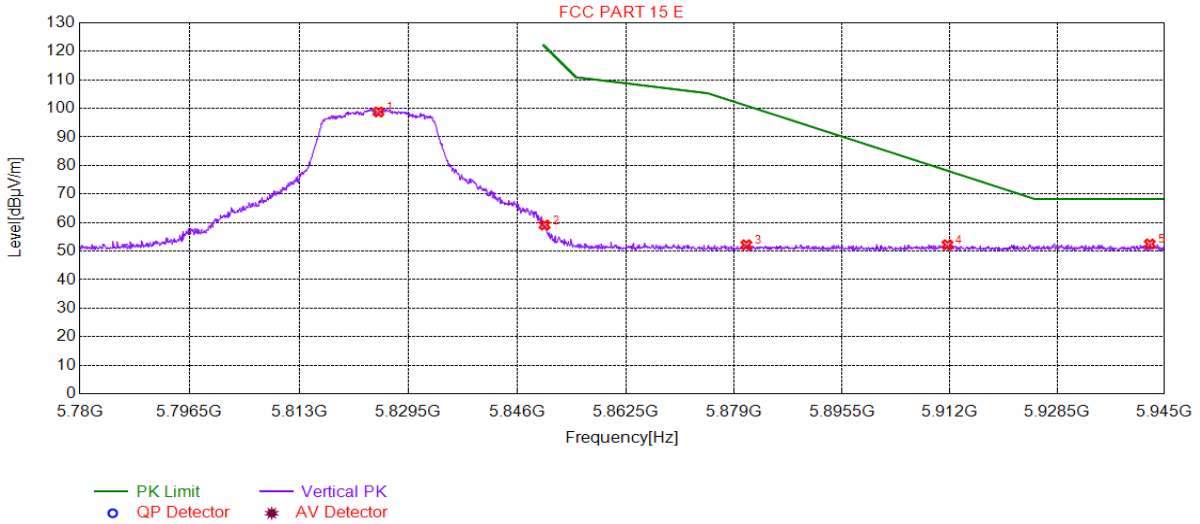
4.10.1.68 802.11AC20_Channel 165

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5825.00	98.75	18.80	0.00	-98.75	228	67	Vertical
2	5850.16	59.15	18.77	121.94	62.79	237	182	Vertical
3	5880.86	52.23	18.66	100.96	48.73	293	296	Vertical
4	5911.65	52.27	19.24	78.18	25.91	232	223	Vertical
5	5942.77	52.53	18.86	68.30	15.77	173	253	Vertical

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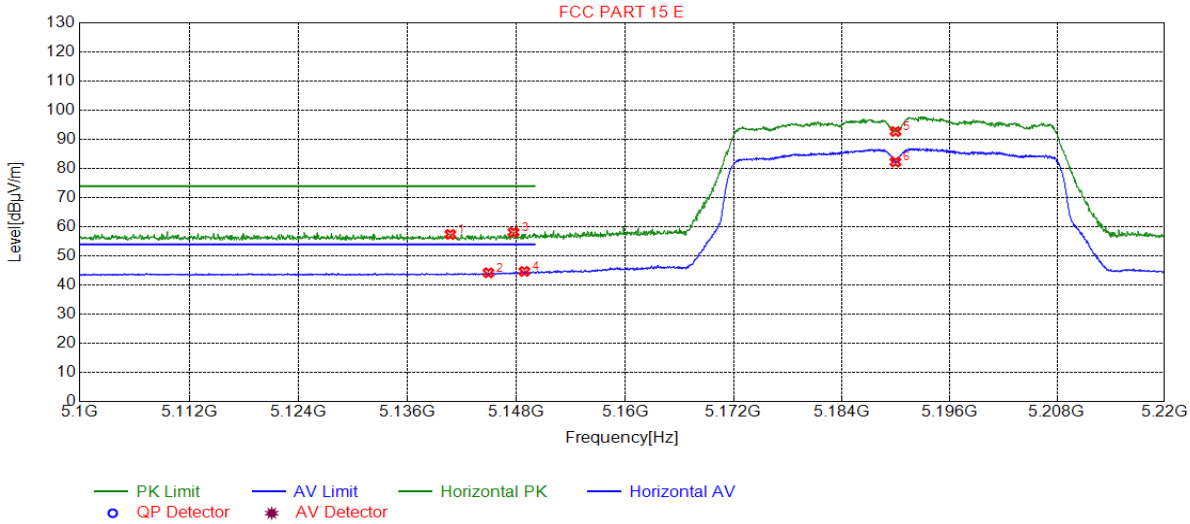
4.10.1.69 802.11AC40_Channel 38

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5140.70	57.43	19.34	74.00	16.57	157	187	Horizontal
2	5144.90	44.24	19.32	54.00	9.76	214	227	Horizontal
3	5147.66	58.15	19.33	74.00	15.85	167	239	Horizontal
4	5148.86	44.73	19.33	54.00	9.27	179	239	Horizontal
5	5190.00	92.69	19.00	0.00	-92.69	105	232	Horizontal
6	5190.00	82.25	19.00	0.00	-82.25	153	232	Horizontal

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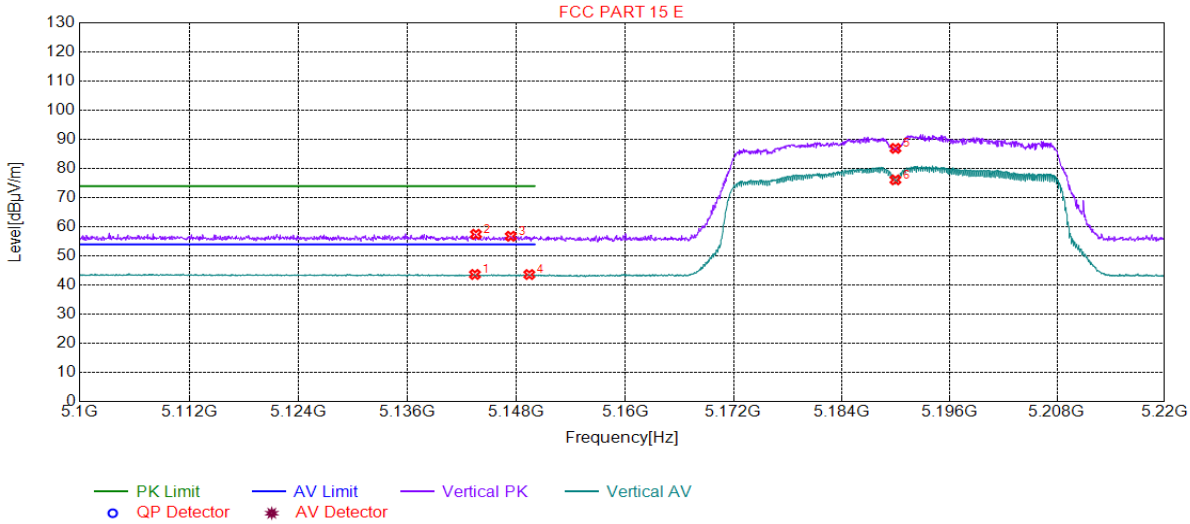
4.10.1.70 802.11AC40_Channel 38

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5143.40	43.68	19.33	54.00	10.32	158	10	Vertical
2	5143.52	57.46	19.33	74.00	16.54	176	174	Vertical
3	5147.36	56.78	19.33	74.00	17.22	163	274	Vertical
4	5149.40	43.65	19.33	54.00	10.35	283	74	Vertical
5	5190.00	86.92	19.00	0.00	-86.92	232	267	Vertical
6	5190.00	76.12	19.00	0.00	-76.12	179	267	Vertical

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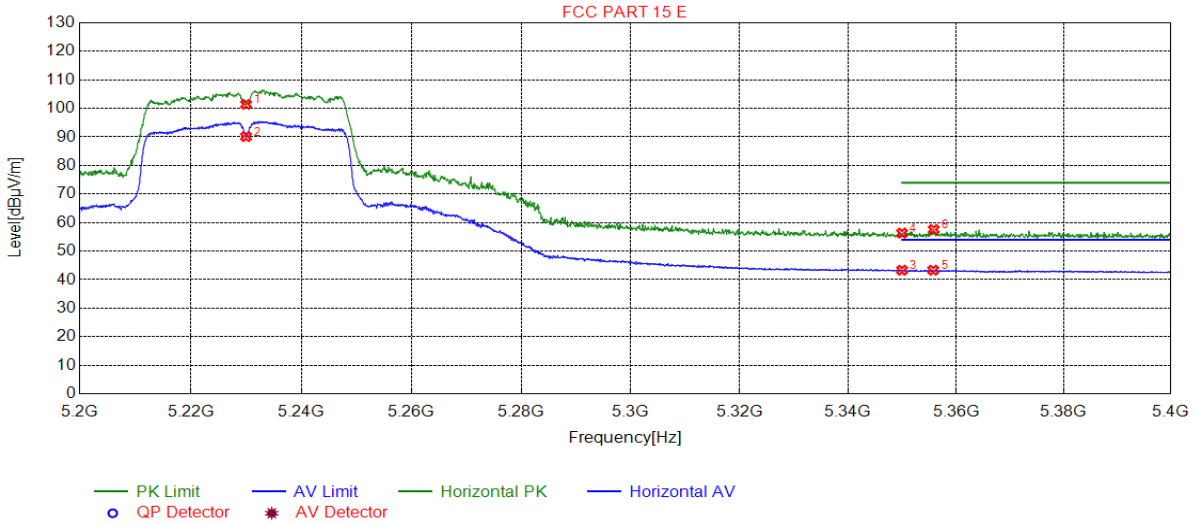
4.10.1.71 802.11AC40_Channel 46

Test Graph



Suspected List

Suspected List								
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1	5230.00	101.44	18.94	0.00	-101.44	106	245	Horizontal
2	5230.00	90.14	18.94	0.00	-90.14	217	245	Horizontal
3	5350.00	43.32	18.54	54.00	10.68	191	229	Horizontal
4	5350.00	56.33	18.54	74.00	17.67	115	24	Horizontal
5	5355.77	43.33	18.56	54.00	10.67	197	234	Horizontal
6	5355.87	57.57	18.56	74.00	16.43	226	229	Horizontal

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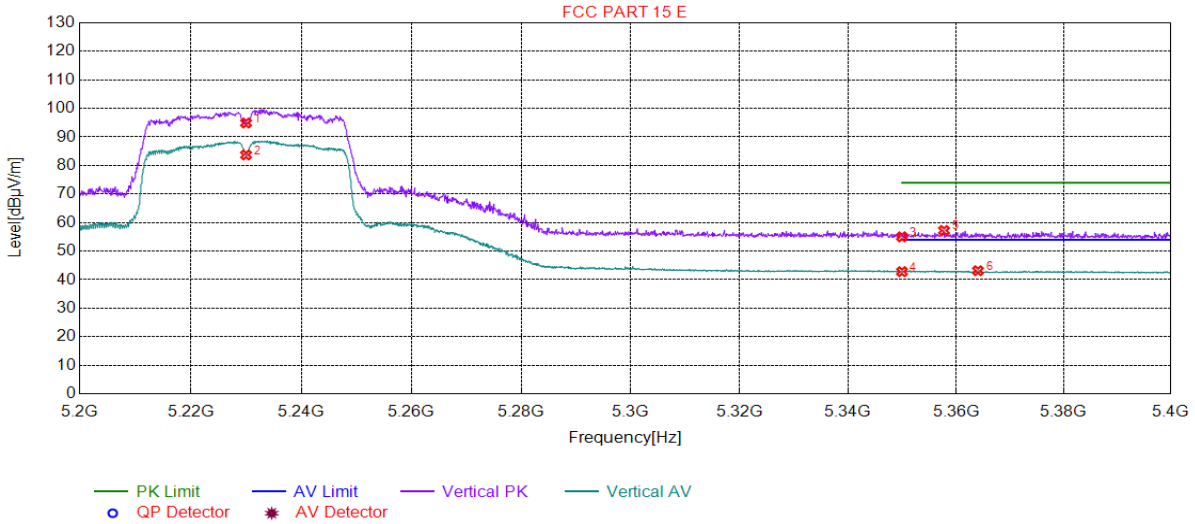
4.10.1.72 802.11AC40_Channel 46

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5230.00	94.90	18.94	0.00	-94.90	182	271	Vertical
2	5230.00	83.70	18.94	0.00	-83.70	237	267	Vertical
3	5350.00	55.02	18.54	74.00	18.98	268	339	Vertical
4	5350.00	42.82	18.54	54.00	11.18	167	210	Vertical
5	5357.77	57.24	18.58	74.00	16.76	193	103	Vertical
6	5364.08	43.15	18.46	54.00	10.85	269	284	Vertical

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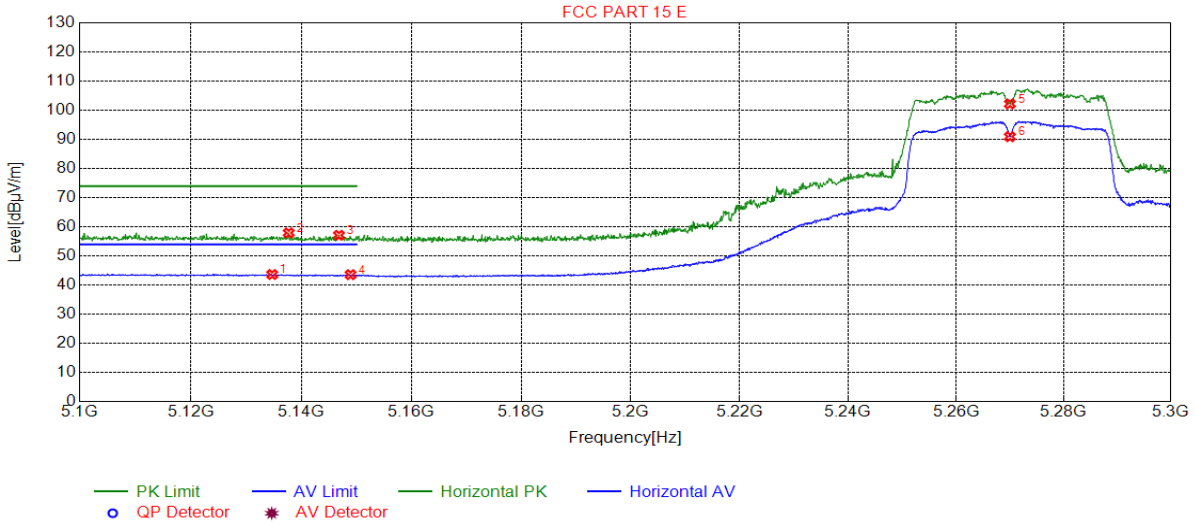
4.10.1.73 802.11AC40_Channel 54

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5134.71	43.66	19.41	54.00	10.34	118	56	Horizontal
2	5137.71	57.93	19.37	74.00	16.07	242	288	Horizontal
3	5146.82	57.12	19.32	74.00	16.88	161	155	Horizontal
4	5148.92	43.60	19.33	54.00	10.40	170	51	Horizontal
5	5270.00	102.19	18.63	0.00	-102.19	224	241	Horizontal
6	5270.00	90.93	18.63	0.00	-90.93	182	231	Horizontal

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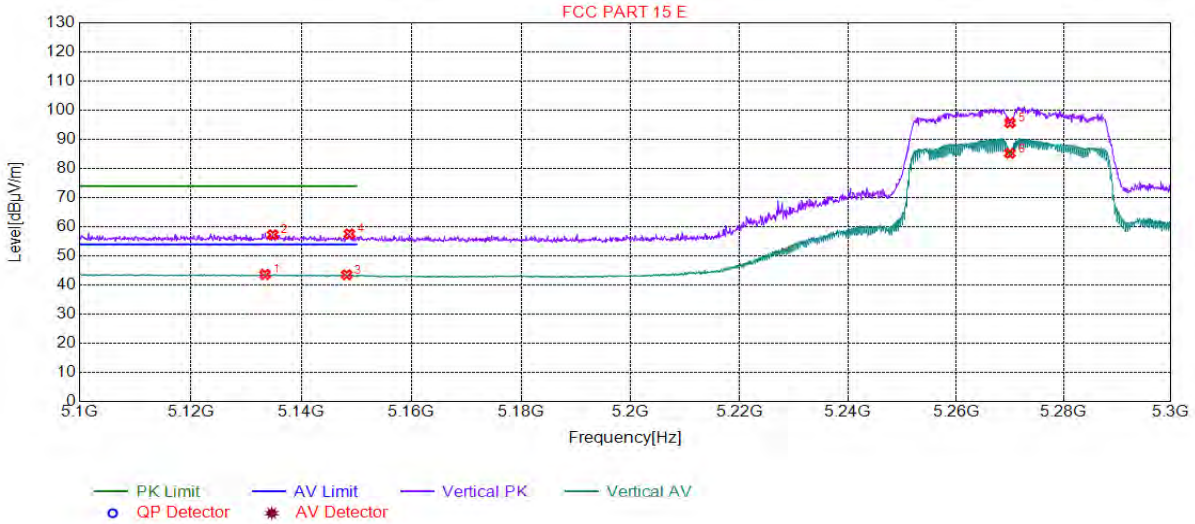
4.10.1.74 802.11AC40_Channel 54

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5133.41	43.68	19.39	54.00	10.32	163	7	Vertical
2	5134.81	57.29	19.41	74.00	16.71	256	68	Vertical
3	5148.22	43.58	19.33	54.00	10.42	199	305	Vertical
4	5148.72	57.60	19.33	74.00	16.40	164	121	Vertical
5	5270.00	95.66	18.63	0.00	-95.66	267	265	Vertical
6	5270.00	85.21	18.63	0.00	-85.21	216	265	Vertical

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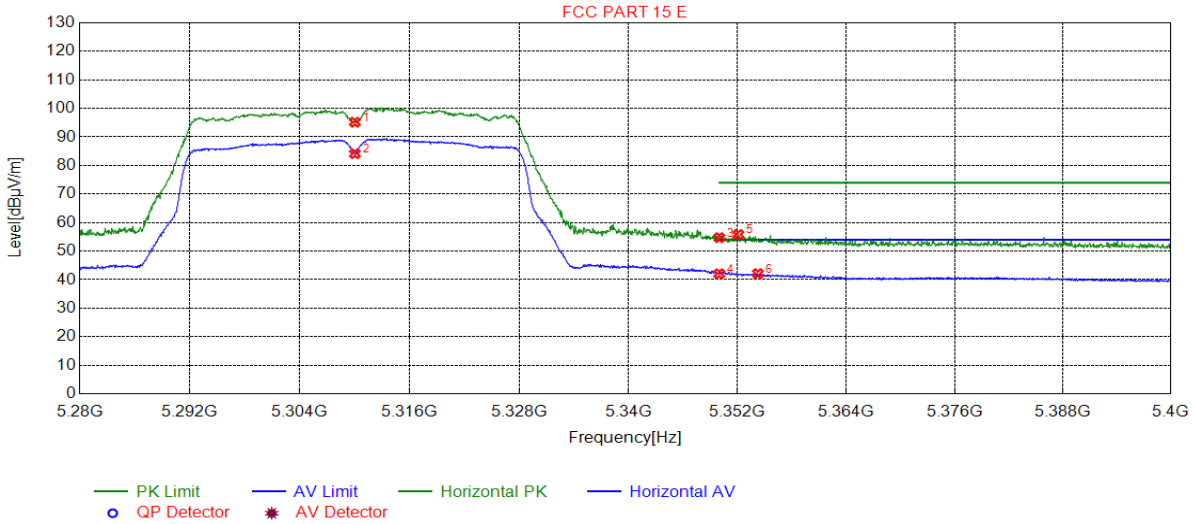
4.10.1.75 802.11AC40_Channel 62

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5310.00	95.17	18.57	0.00	-95.17	216	229	Horizontal
2	5310.00	84.15	18.57	0.00	-84.15	110	229	Horizontal
3	5350.00	54.73	18.54	74.00	19.27	194	313	Horizontal
4	5350.00	42.08	18.54	54.00	11.92	219	234	Horizontal
5	5352.09	55.83	18.54	74.00	18.17	109	229	Horizontal
6	5354.25	42.12	18.55	54.00	11.88	133	229	Horizontal

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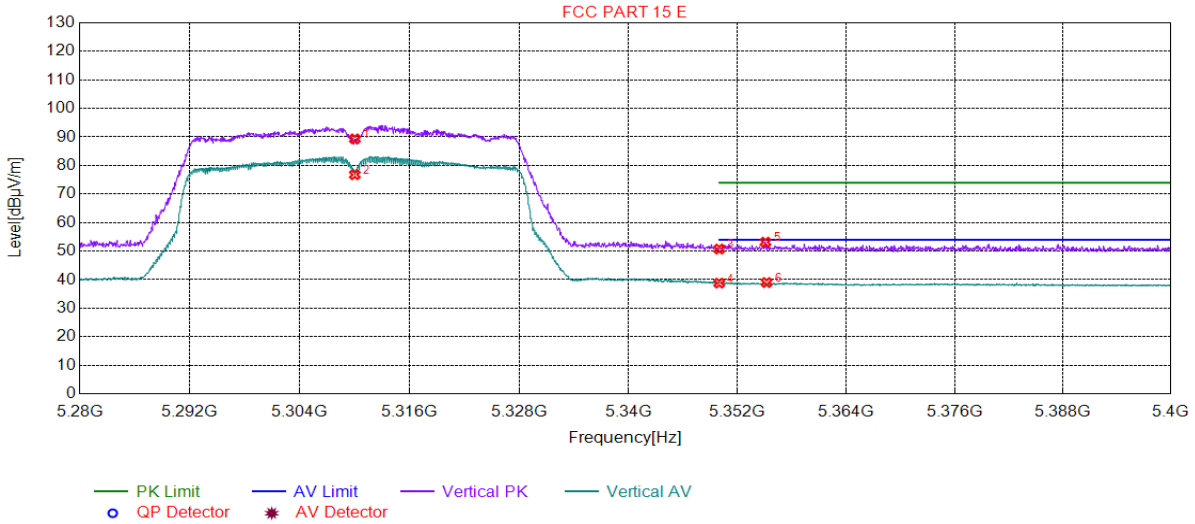
4.10.1.76 802.11AC40_Channel 62

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5310.00	89.33	18.57	0.00	-89.33	222	269	Vertical
2	5310.00	76.78	18.57	0.00	-76.78	250	277	Vertical
3	5350.00	50.75	18.54	74.00	23.25	249	221	Vertical
4	5350.00	38.81	18.54	54.00	15.19	293	269	Vertical
5	5355.09	53.16	18.55	74.00	20.84	175	253	Vertical
6	5355.21	39.00	18.55	54.00	15.00	172	277	Vertical

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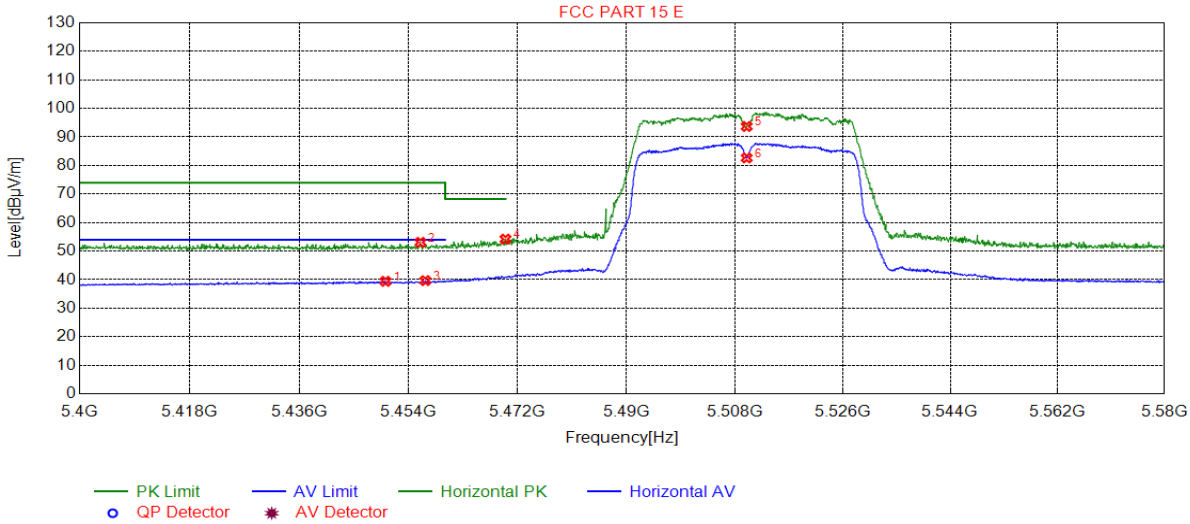
4.10.1.77 802.11AC40_Channel 102

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5450.15	39.43	18.10	54.00	14.57	120	233	Horizontal
2	5455.91	53.09	18.07	74.00	20.91	163	240	Horizontal
3	5456.72	39.67	18.08	54.00	14.33	100	233	Horizontal
4	5469.96	54.22	18.20	68.30	14.08	112	225	Horizontal
5	5510.00	93.69	18.08	0.00	-93.69	126	233	Horizontal
6	5510.00	82.65	18.08	0.00	-82.65	122	233	Horizontal

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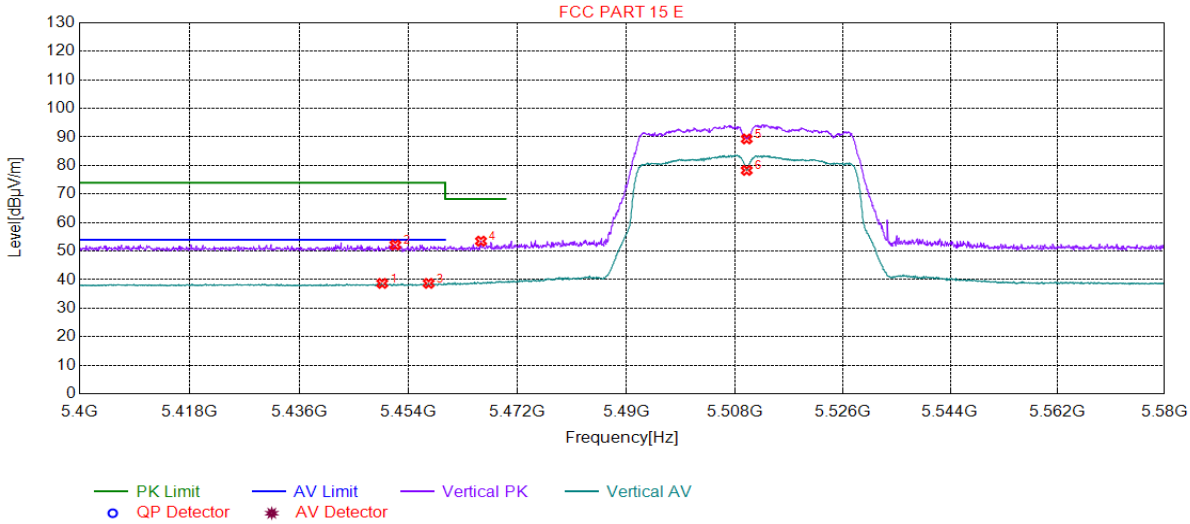
4.10.1.78 802.11AC40_Channel 102

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5449.61	38.71	18.10	54.00	15.29	208	185	Vertical
2	5451.77	52.18	18.09	74.00	21.82	277	335	Vertical
3	5457.26	38.72	18.09	54.00	15.28	213	181	Vertical
4	5465.91	53.51	18.20	68.30	14.79	164	317	Vertical
5	5510.00	89.32	18.08	0.00	-89.32	255	192	Vertical
6	5510.00	78.30	18.08	0.00	-78.30	170	192	Vertical

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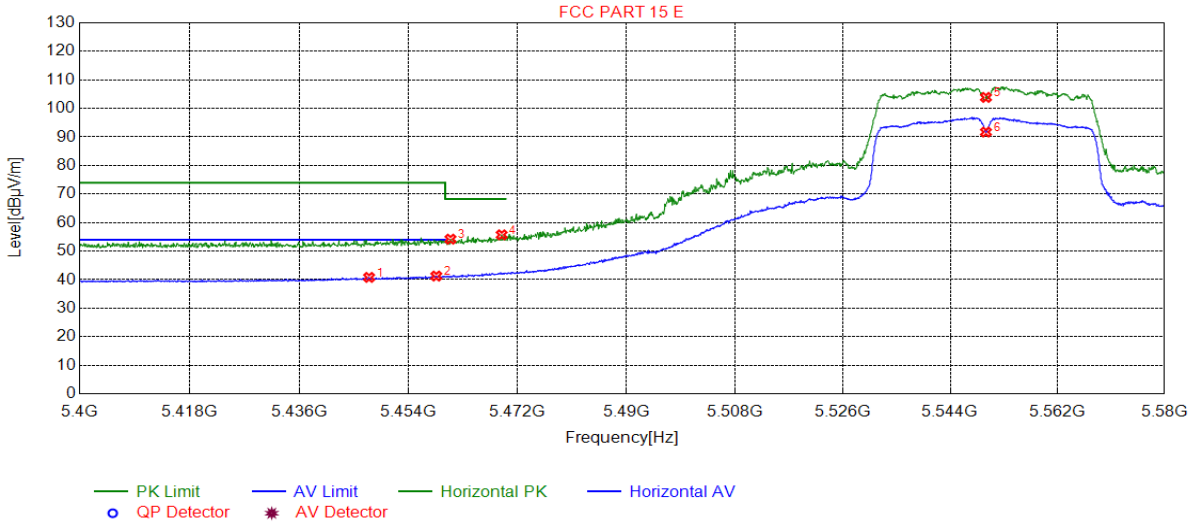
4.10.1.79 802.11AC40_Channel 110

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5447.45	40.81	18.13	54.00	13.19	214	225	Horizontal
2	5458.52	41.28	18.11	54.00	12.72	150	222	Horizontal
3	5460.87	54.21	18.14	68.30	14.09	205	225	Horizontal
4	5469.33	55.73	18.20	68.30	12.57	127	216	Horizontal
5	5550.00	103.87	18.18	0.00	-103.87	196	222	Horizontal
6	5550.00	91.72	18.18	0.00	-91.72	168	231	Horizontal

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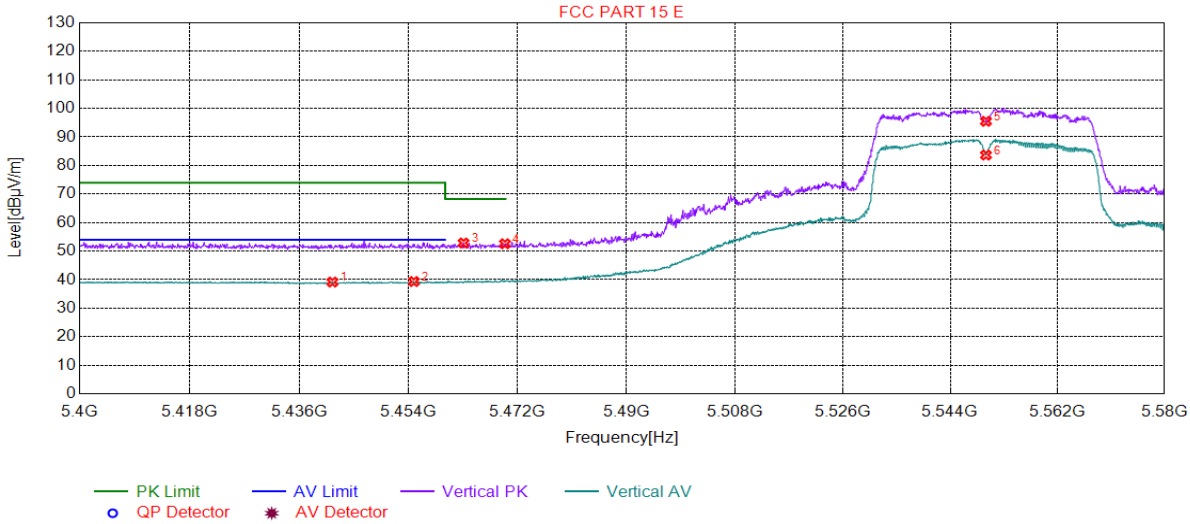
4.10.1.80 802.11AC40_Channel 110

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5441.42	39.17	18.07	54.00	14.83	246	277	Vertical
2	5454.83	39.37	18.06	54.00	14.63	150	297	Vertical
3	5463.03	52.86	18.18	68.30	15.44	282	324	Vertical
4	5469.87	52.59	18.20	68.30	15.71	295	277	Vertical
5	5550.00	95.49	18.18	0.00	-95.49	219	293	Vertical
6	5550.00	83.66	18.18	0.00	-83.66	224	297	Vertical

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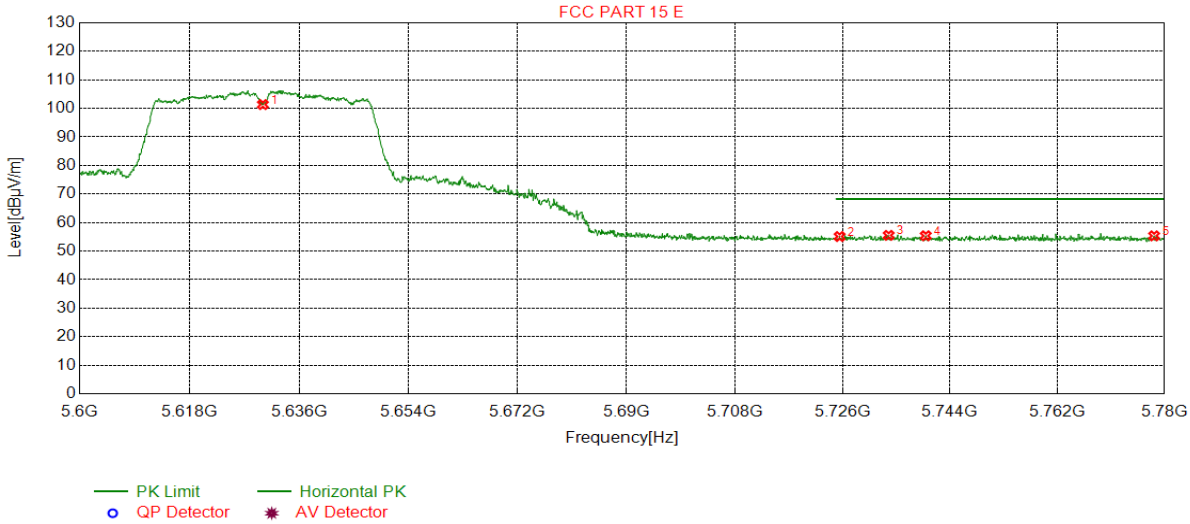
4.10.1.81 802.11AC40_Channel 126

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5630.00	101.35	18.22	0.00	-101.35	205	224	Horizontal
2	5725.52	55.13	18.34	68.30	13.17	193	14	Horizontal
3	5733.71	55.54	18.43	68.30	12.76	175	23	Horizontal
4	5739.93	55.38	18.32	68.30	12.92	177	321	Horizontal
5	5778.28	55.36	18.33	68.30	12.94	137	91	Horizontal

Final Data List

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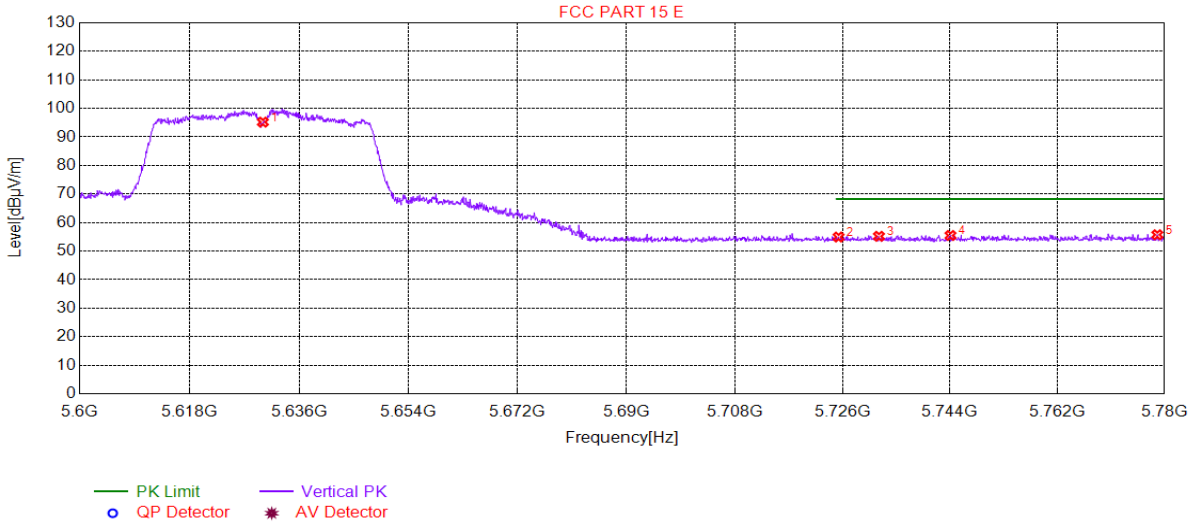
4.10.1.82 802.11AC40_Channel 126

Test Graph



Suspected List

Suspected List								
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1	5630.00	95.20	18.22	0.00	-95.20	270	294	Vertical
2	5725.34	54.96	18.34	68.30	13.34	179	232	Vertical
3	5732.09	55.21	18.46	68.30	13.09	182	254	Vertical
4	5744.07	55.49	18.36	68.30	12.81	225	304	Vertical
5	5778.82	55.75	18.33	68.30	12.55	202	18	Vertical

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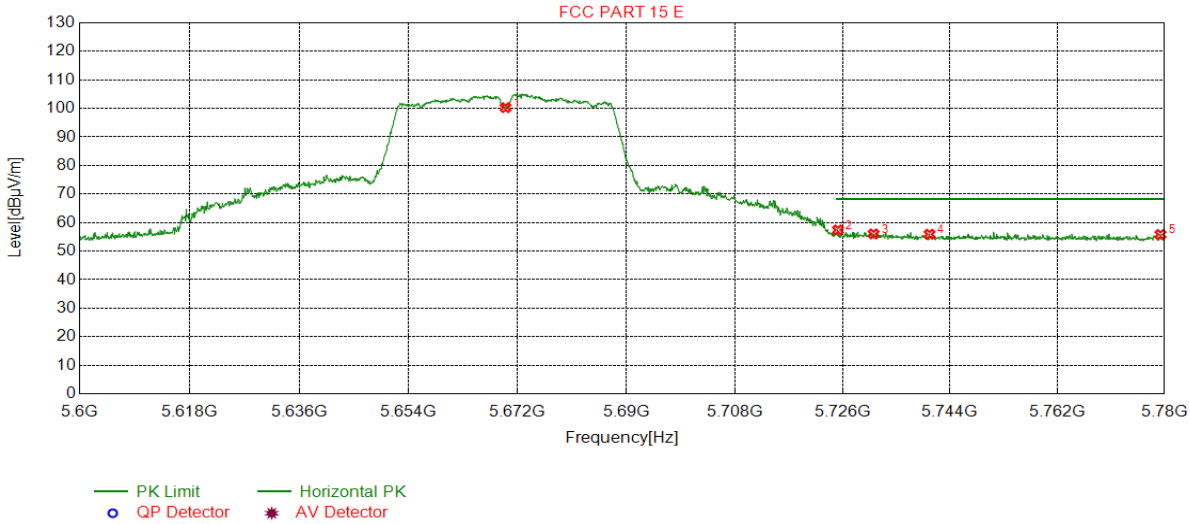
4.10.1.83 802.11AC40_Channel 134

Test Graph



Suspected List

Suspected List								
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1	5670.00	100.28	18.24	0.00	-100.28	218	233	Horizontal
2	5725.25	57.43	18.33	68.30	10.87	201	227	Horizontal
3	5731.19	56.05	18.48	68.30	12.25	191	224	Horizontal
4	5740.56	55.92	18.33	68.30	12.38	190	218	Horizontal
5	5779.36	55.83	18.34	68.30	12.47	102	258	Horizontal

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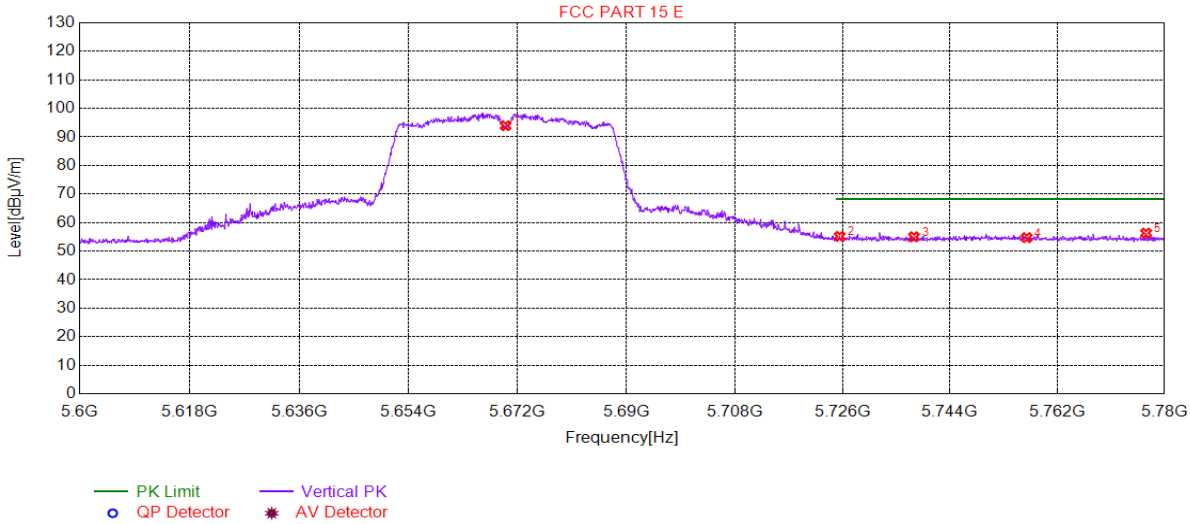
4.10.1.84 802.11AC40_Channel 134

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5670.00	93.95	18.24	0.00	-93.95	181	294	Vertical
2	5725.52	55.17	18.34	68.30	13.13	207	327	Vertical
3	5737.94	55.04	18.35	68.30	13.26	279	132	Vertical
4	5756.85	54.74	18.37	68.30	13.56	184	10	Vertical
5	5776.93	56.33	18.33	68.30	11.97	199	194	Vertical

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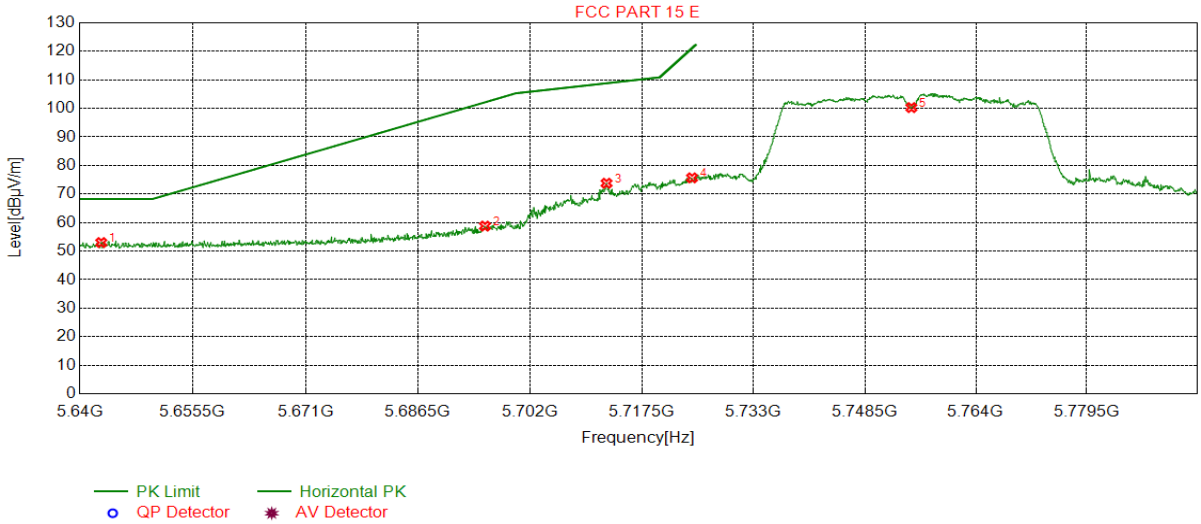
4.10.1.85 802.11AC40_Channel 151

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5642.94	53.00	18.04	68.30	15.30	187	91	Horizontal
2	5695.75	58.78	18.28	102.16	43.38	160	223	Horizontal
3	5712.57	73.79	18.51	108.82	35.03	192	223	Horizontal
4	5724.43	75.68	18.33	121.02	45.34	238	231	Horizontal
5	5755.00	100.29	18.39	0.00	-100.29	241	226	Horizontal

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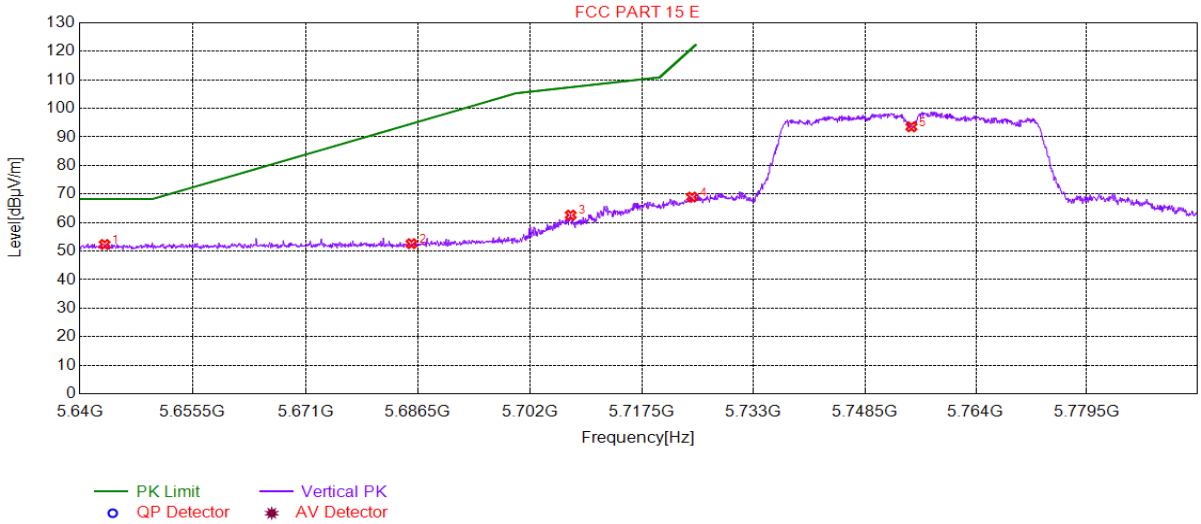
4.10.1.86 802.11AC40_Channel 151

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5643.41	52.35	18.03	68.30	15.95	191	284	Vertical
2	5685.59	52.62	18.10	94.64	42.02	178	320	Vertical
3	5707.61	62.63	18.42	107.43	44.80	235	280	Vertical
4	5724.43	68.94	18.33	121.02	52.08	265	295	Vertical
5	5755.00	93.55	18.39	0.00	-93.55	152	273	Vertical

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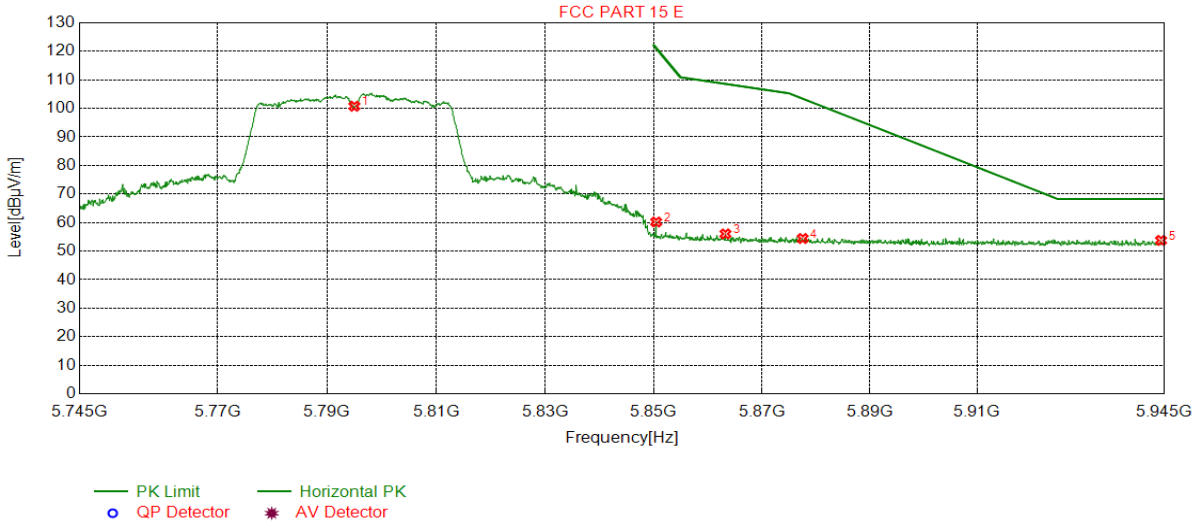
4.10.1.87 802.11AC40_Channel 159

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5795.00	100.77	18.58	0.00	-100.77	161	220	Horizontal
2	5850.45	60.22	18.77	121.27	61.05	221	331	Horizontal
3	5863.25	56.05	18.74	108.59	52.54	117	211	Horizontal
4	5877.56	54.44	18.67	103.40	48.96	198	237	Horizontal
5	5944.39	53.77	18.90	68.30	14.53	210	298	Horizontal

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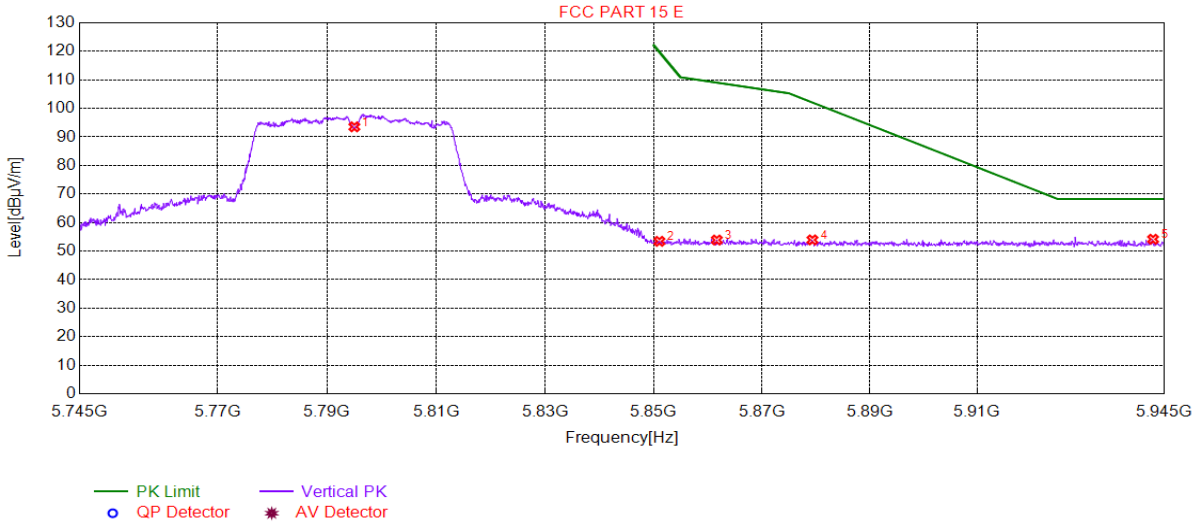
4.10.1.88 802.11AC40_Channel 159

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5795.00	93.55	18.58	0.00	-93.55	299	112	Vertical
2	5851.05	53.45	18.75	119.90	66.45	182	71	Vertical
3	5861.65	53.91	18.66	109.04	55.13	154	309	Vertical
4	5879.36	53.94	18.64	102.07	48.13	182	119	Vertical
5	5942.89	54.18	18.86	68.30	14.12	281	104	Vertical

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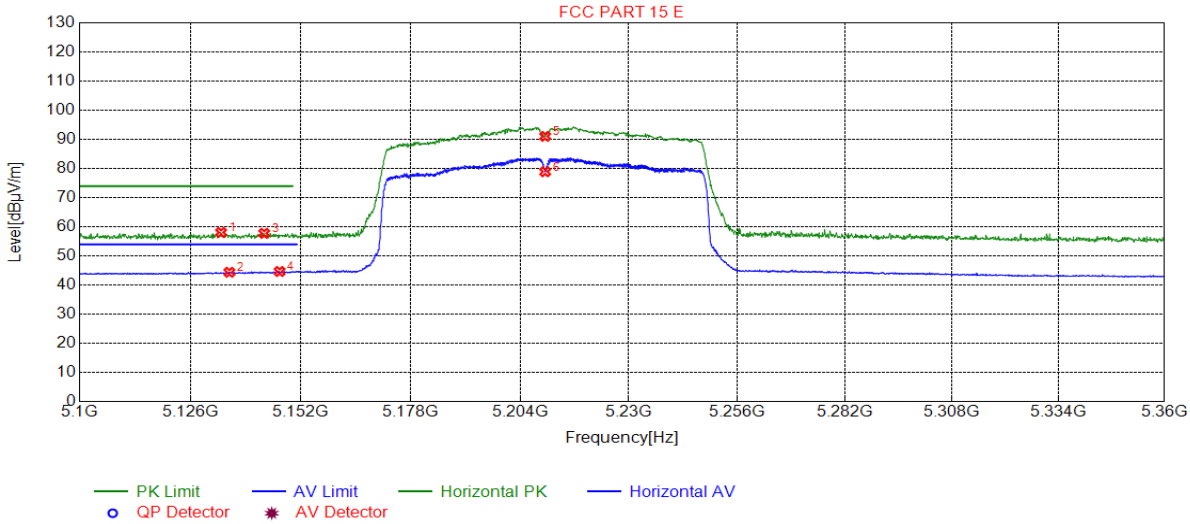
4.10.1.89 802.11AC80_Channel 42

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5133.16	58.10	19.39	74.00	15.90	186	244	Horizontal
2	5135.11	44.43	19.41	54.00	9.57	203	210	Horizontal
3	5143.31	57.79	19.33	74.00	16.21	181	221	Horizontal
4	5146.95	44.70	19.32	54.00	9.30	149	234	Horizontal
5	5210.00	91.05	18.93	0.00	-91.05	170	225	Horizontal
6	5210.00	78.90	18.93	0.00	-78.90	242	221	Horizontal

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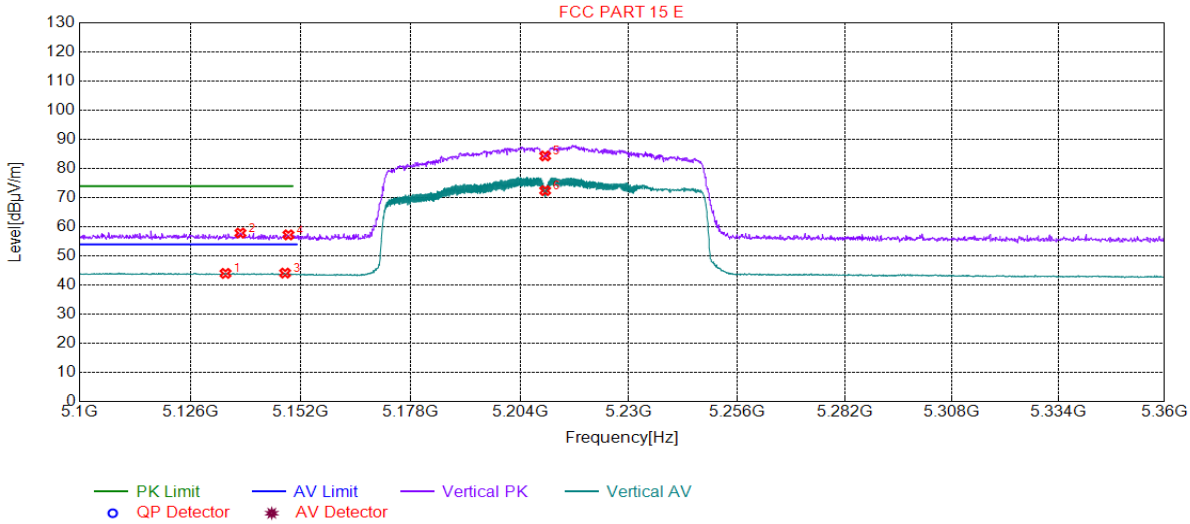
4.10.1.90 802.11AC80_Channel 42

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5134.20	44.04	19.40	54.00	9.96	282	239	Vertical
2	5137.71	57.88	19.37	74.00	16.12	248	0	Vertical
3	5148.25	44.15	19.33	54.00	9.85	190	334	Vertical
4	5149.03	57.25	19.33	74.00	16.75	184	267	Vertical
5	5210.00	84.32	18.93	0.00	-84.32	291	267	Vertical
6	5210.00	72.44	18.93	0.00	-72.44	168	267	Vertical

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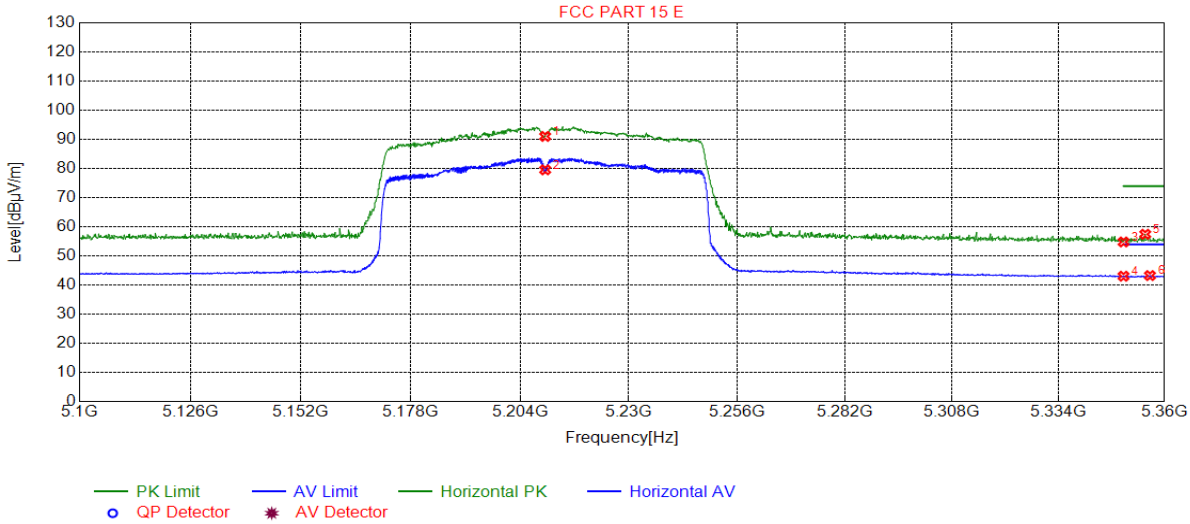
4.10.1.91 802.11AC80_Channel 42

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5210.00	91.02	18.93	0.00	-91.02	151	236	Horizontal
2	5210.00	79.57	18.93	0.00	-79.57	166	236	Horizontal
3	5350.00	54.83	18.54	74.00	19.17	134	92	Horizontal
4	5350.00	43.08	18.54	54.00	10.92	178	236	Horizontal
5	5355.31	57.47	18.55	74.00	16.53	178	316	Horizontal
6	5356.48	43.30	18.56	54.00	10.70	214	223	Horizontal

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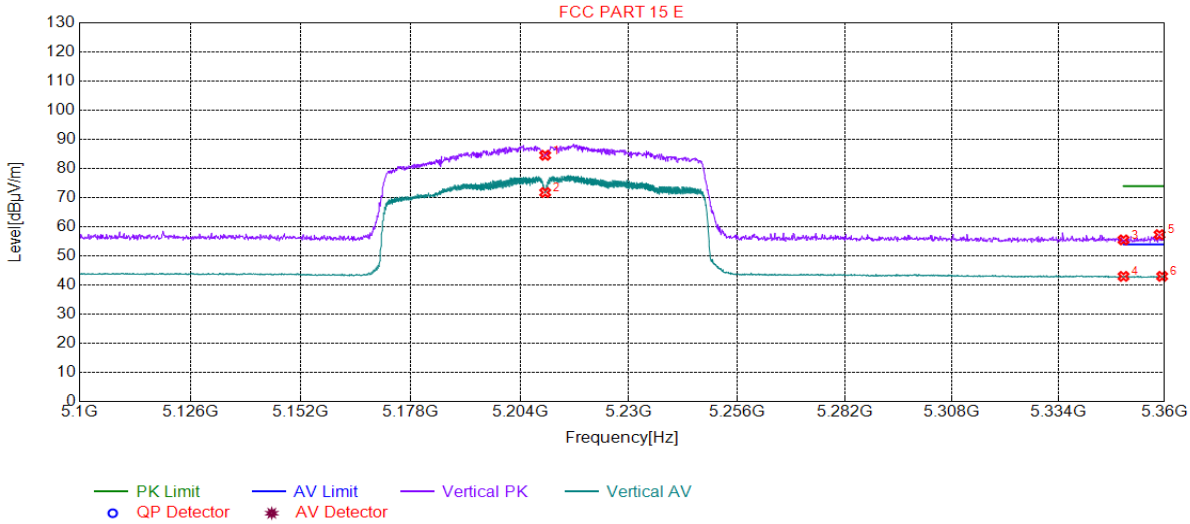
4.10.1.92 802.11AC80_Channel 42

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5210.00	84.56	18.93	0.00	-84.56	154	265	Vertical
2	5210.00	71.77	18.93	0.00	-71.77	290	282	Vertical
3	5350.00	55.53	18.54	74.00	18.47	291	309	Vertical
4	5350.00	43.02	18.54	54.00	10.98	180	43	Vertical
5	5358.82	57.32	18.59	74.00	16.68	272	68	Vertical
6	5359.47	43.04	18.59	54.00	10.96	151	187	Vertical

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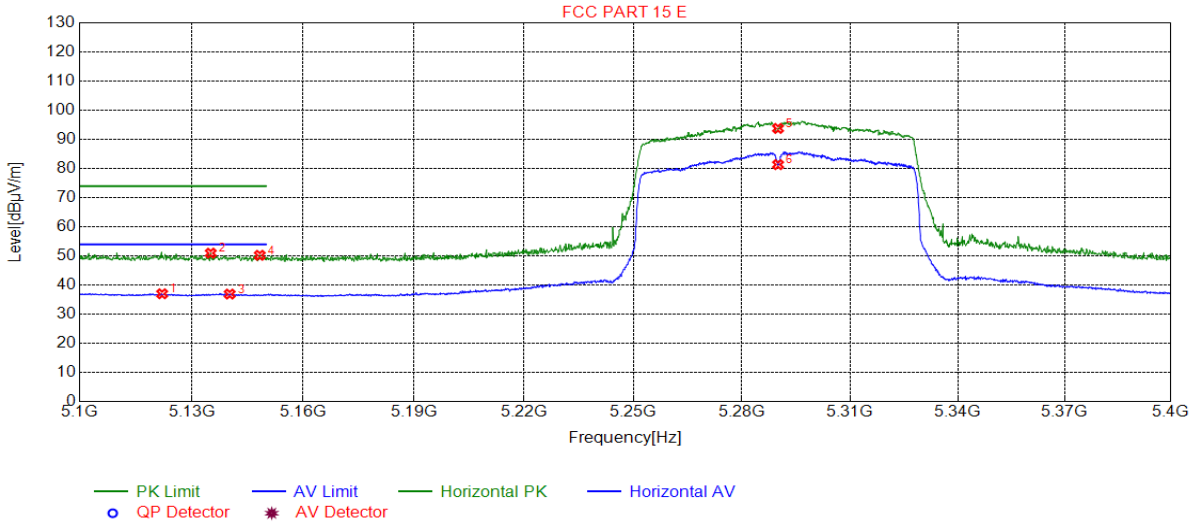
4.10.1.93 802.11AC80_Channel 58

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5122.06	37.05	19.32	54.00	16.95	124	245	Horizontal
2	5135.11	50.98	19.41	74.00	23.02	191	148	Horizontal
3	5140.22	36.95	19.34	54.00	17.05	103	220	Horizontal
4	5148.32	50.26	19.33	74.00	23.74	166	360	Horizontal
5	5290.00	93.77	18.48	0.00	-93.77	225	245	Horizontal
6	5290.00	81.35	18.48	0.00	-81.35	122	245	Horizontal

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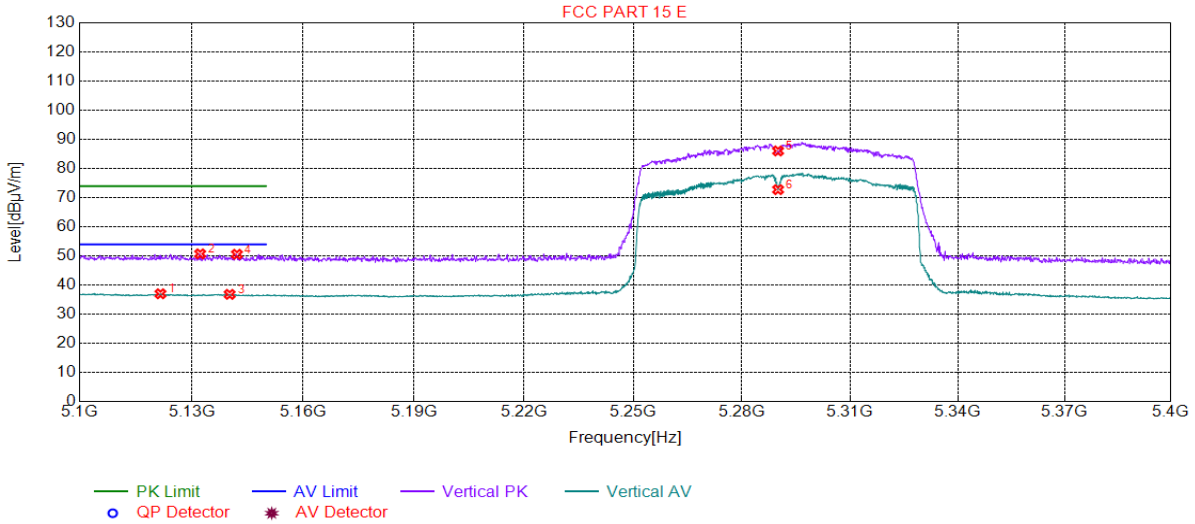
4.10.1.94 802.11AC80_Channel 58

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5121.61	37.05	19.32	54.00	16.95	124	54	Vertical
2	5132.26	50.75	19.38	74.00	23.25	191	164	Vertical
3	5140.22	36.85	19.34	54.00	17.15	103	11	Vertical
4	5142.17	50.60	19.33	74.00	23.40	166	184	Vertical
5	5290.00	86.04	18.48	0.00	-86.04	225	267	Vertical
6	5290.00	72.77	18.48	0.00	-72.77	122	267	Vertical

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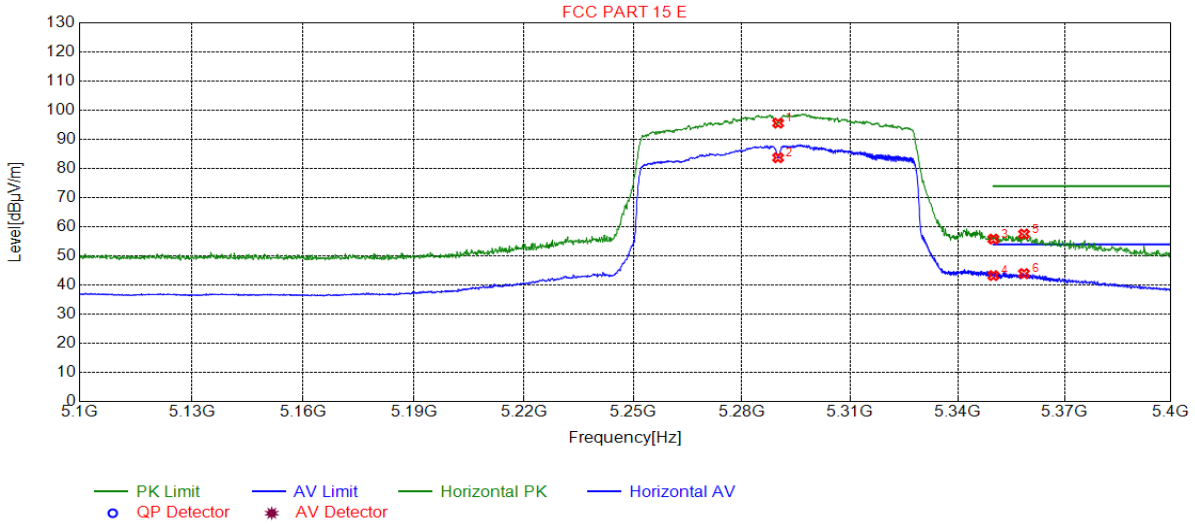
4.10.1.95 802.11AC80_Channel 58

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5290.00	95.58	18.48	0.00	-95.58	214	232	Horizontal
2	5290.00	83.72	18.48	0.00	-83.72	226	232	Horizontal
3	5350.00	55.82	18.54	74.00	18.18	188	241	Horizontal
4	5350.00	43.29	18.54	54.00	10.71	141	232	Horizontal
5	5358.57	57.55	18.58	74.00	16.45	114	241	Horizontal
6	5358.57	44.00	18.58	54.00	10.00	113	232	Horizontal

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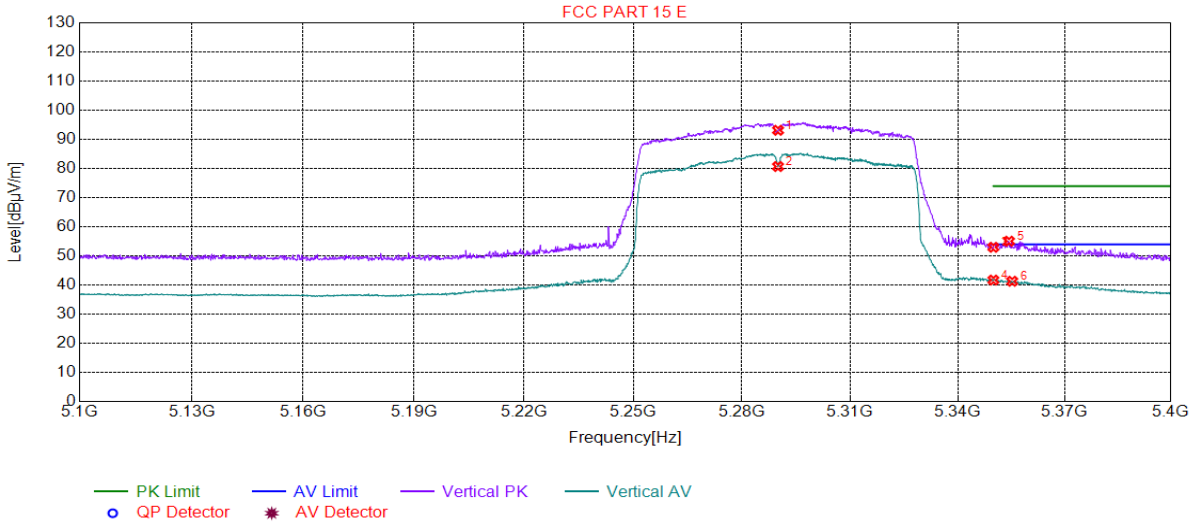
4.10.1.96 802.11AC80_Channel 58

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5290.00	93.13	18.48	0.00	-93.13	169	187	Vertical
2	5290.00	80.70	18.48	0.00	-80.70	176	187	Vertical
3	5350.00	52.99	18.54	74.00	21.01	205	187	Vertical
4	5350.00	41.76	18.54	54.00	12.24	189	187	Vertical
5	5354.37	55.09	18.55	74.00	18.91	172	177	Vertical
6	5355.27	41.35	18.55	54.00	12.65	173	187	Vertical

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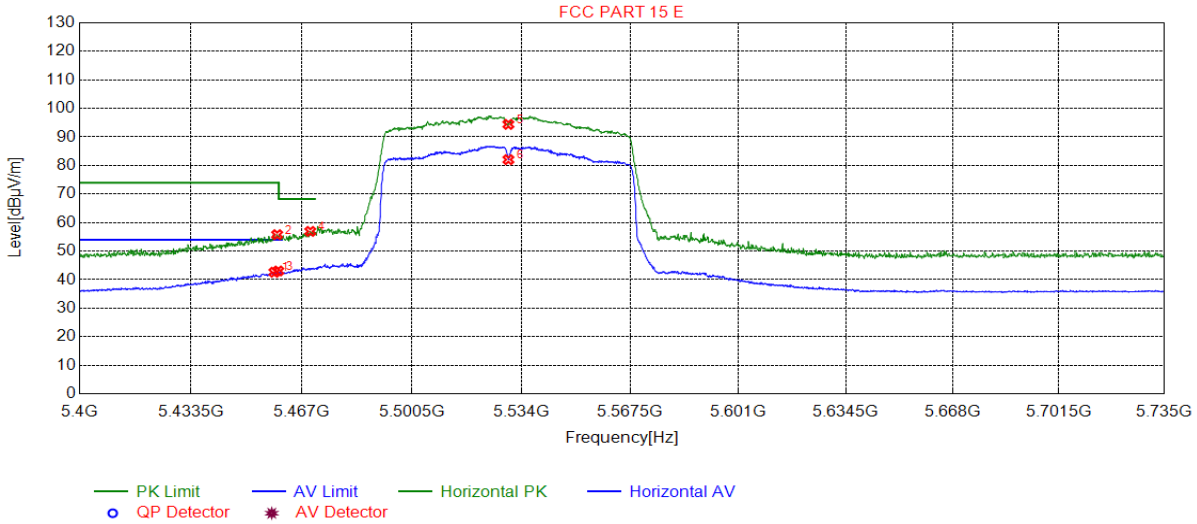
4.10.1.97 802.11AC80_Channel 106

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5458.65	42.61	18.11	54.00	11.39	193	228	Horizontal
2	5459.49	55.78	18.12	74.00	18.22	116	215	Horizontal
3	5459.82	43.06	18.13	54.00	10.94	122	224	Horizontal
4	5469.54	56.93	18.20	68.30	11.37	113	228	Horizontal
5	5530.00	94.41	18.15	0.00	-94.41	119	236	Horizontal
6	5530.00	82.05	18.15	0.00	-82.05	114	236	Horizontal

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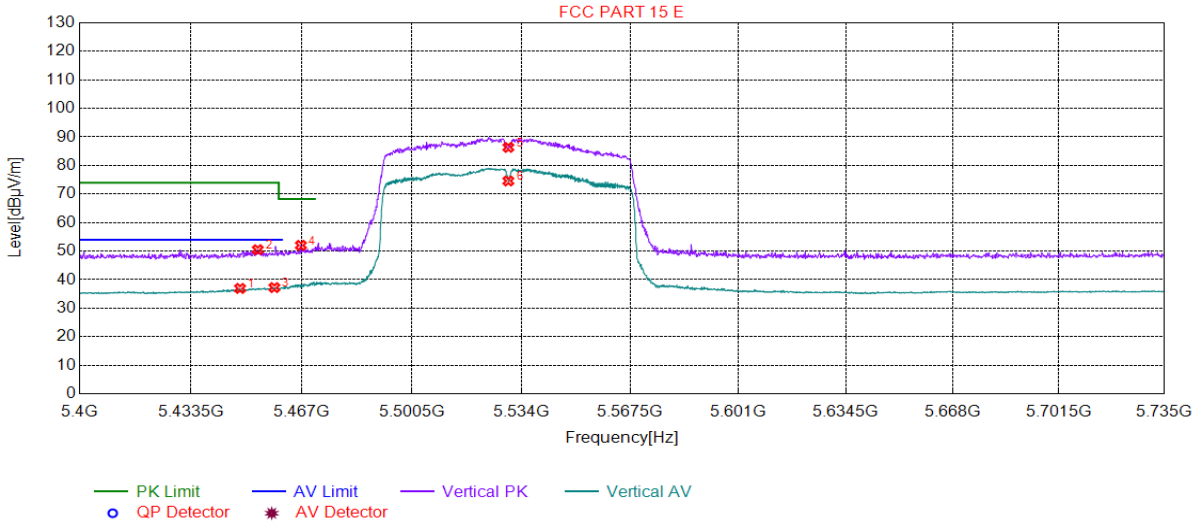
4.10.1.98 802.11AC80_Channel 106

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5448.26	36.95	18.12	54.00	17.05	163	278	Vertical
2	5453.62	50.52	18.07	74.00	23.48	212	295	Vertical
3	5458.65	37.24	18.11	54.00	16.76	248	249	Vertical
4	5466.69	52.04	18.20	68.30	16.26	243	269	Vertical
5	5530.00	86.35	18.15	0.00	-86.35	242	295	Vertical
6	5530.00	74.59	18.15	0.00	-74.59	277	295	Vertical

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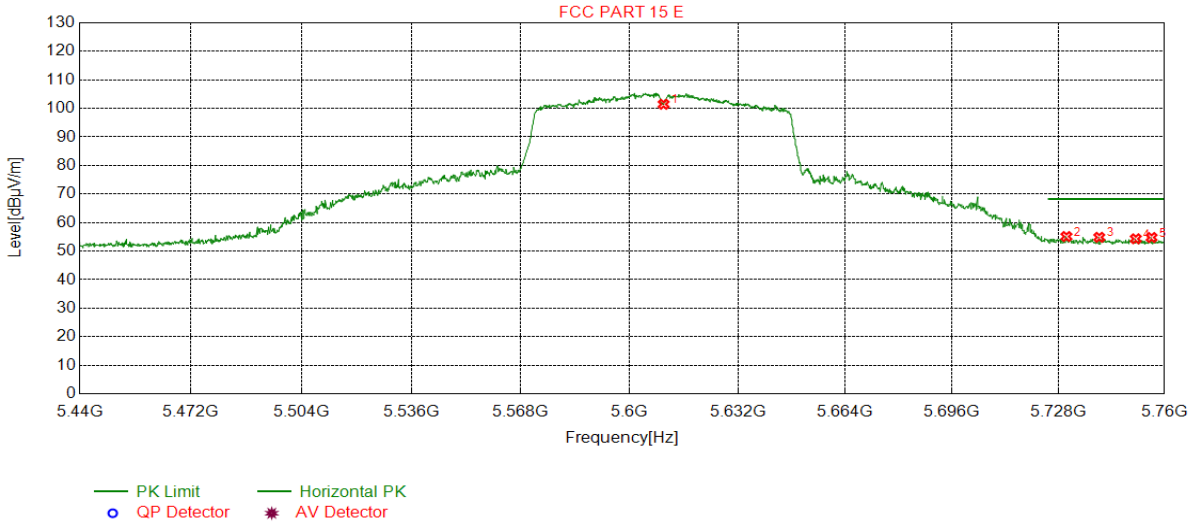
4.10.1.99 802.11AC80_Channel 122

Test Graph



Suspected List

Suspected List								
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1	5610.00	101.46	18.09	0.00	-101.46	164	228	Horizontal
2	5730.38	55.13	18.50	68.30	13.17	142	236	Horizontal
3	5740.31	54.86	18.32	68.30	13.44	141	30	Horizontal
4	5751.35	54.33	18.55	68.30	13.97	104	310	Horizontal
5	5756.15	54.79	18.38	68.30	13.51	210	313	Horizontal

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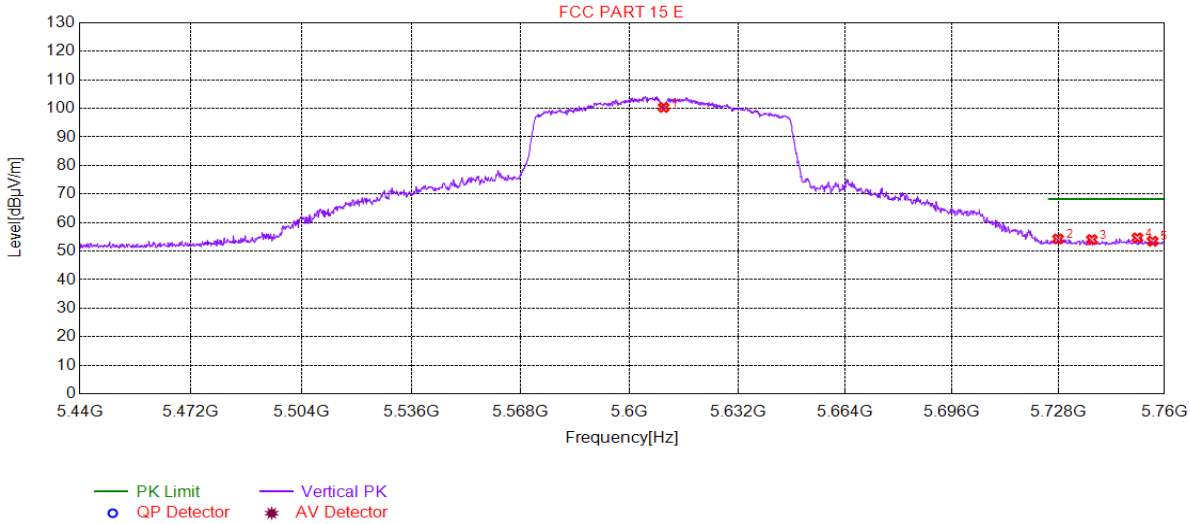
4.10.1.100 802.11AC80_Channel 122

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5610.00	100.35	18.09	0.00	-100.35	242	176	Vertical
2	5727.82	54.29	18.43	68.30	14.01	229	341	Vertical
3	5738.06	54.07	18.35	68.30	14.23	251	176	Vertical
4	5751.83	54.66	18.53	68.30	13.64	246	138	Vertical
5	5756.47	53.47	18.38	68.30	14.83	180	340	Vertical

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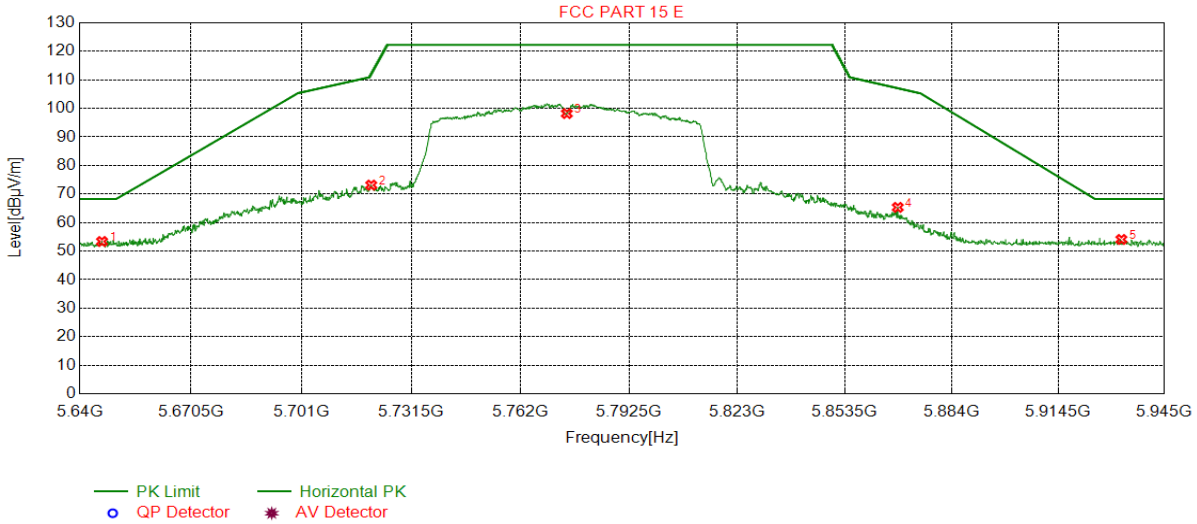
4.10.1.101 802.11AC80_Channel 155

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5646.10	53.39	17.99	68.30	14.91	189	17	Horizontal
2	5720.40	73.13	18.33	111.83	38.70	175	226	Horizontal
3	5775.00	98.21	18.33	122.30	24.09	108	226	Horizontal
4	5868.55	65.34	18.89	107.10	41.76	248	229	Horizontal
5	5932.64	54.10	19.11	68.30	14.20	180	215	Horizontal

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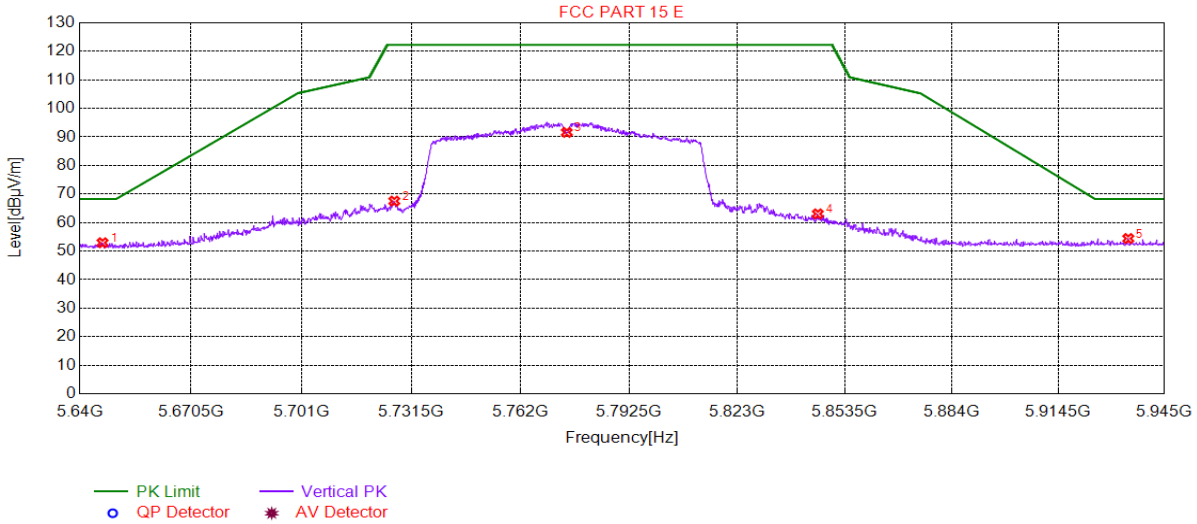
4.10.1.102 802.11AC80_Channel 155

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5646.25	52.94	17.99	68.30	15.36	260	109	Vertical
2	5726.81	67.54	18.39	122.30	54.76	268	196	Vertical
3	5775.00	91.60	18.33	122.30	30.70	219	269	Vertical
4	5845.82	63.06	18.71	122.30	59.24	168	249	Vertical
5	5934.62	54.43	19.06	68.30	13.87	198	297	Vertical

Final Data List

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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4.11 Frequencies Stability

4.11.1 Frequency Error vs. Voltage

Test Conditions	Measured Frequency (MHz)	
	5180	5825
V nom(V)	5180.006261	5825.003759
V max(V)	5180.013252	5825.010397
V min(V)	5180.015242	5825.016803
Max. Deviation Frequency	0.015242	0.016803
Max. Frequency Error (ppm)	2.942395	2.884607

4.11.2 Frequency Error vs. Temperature

Test Conditions	Measured Frequency (MHz)	
	5180	5825
-5	5180.003919	5825.007795
5	5180.007127	5825.016180
15	5180.009186	5825.020725
25	5180.016549	5825.021384
35	5180.017270	5825.027583
45	5180.026010	5825.028010
50	5180.027168	5825.033363
Max. Deviation Frequency	0.027168	0.033363
Max. Frequency Error (ppm)	5.244801	5.727583

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4.12 Dynamic Frequency Selection

4.12.1 DFS Overview

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

Requirement	Operational Mode		
	Master	Client Without Radar Detection	Client With Radar Detection
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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4.12.2 DFS Detection Thresholds

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

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP ≥ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 dBm
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. **Note 2:** Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response. **Note3:** EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.	

4.12.3 Response Requirements

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Table 4: DFS Response Requirement Values

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

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

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4.12.4 Test plots

4.12.4.1 DFS Detection Thresholds

4.12.4.1.1 Test Result

TestMode	Channel	Radar Type	Result	Limit[dbm]	Verdict
11AC20SISO	5320	Type0	-62.84	-62.00	PASS
	5500	Type0	-62.63	-62.00	PASS
11AC80SISO	5290	Type0	-62.36	-62.00	PASS
	5530	Type0	-62.94	-62.00	PASS

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4.12.4.1.2 Test Graphs

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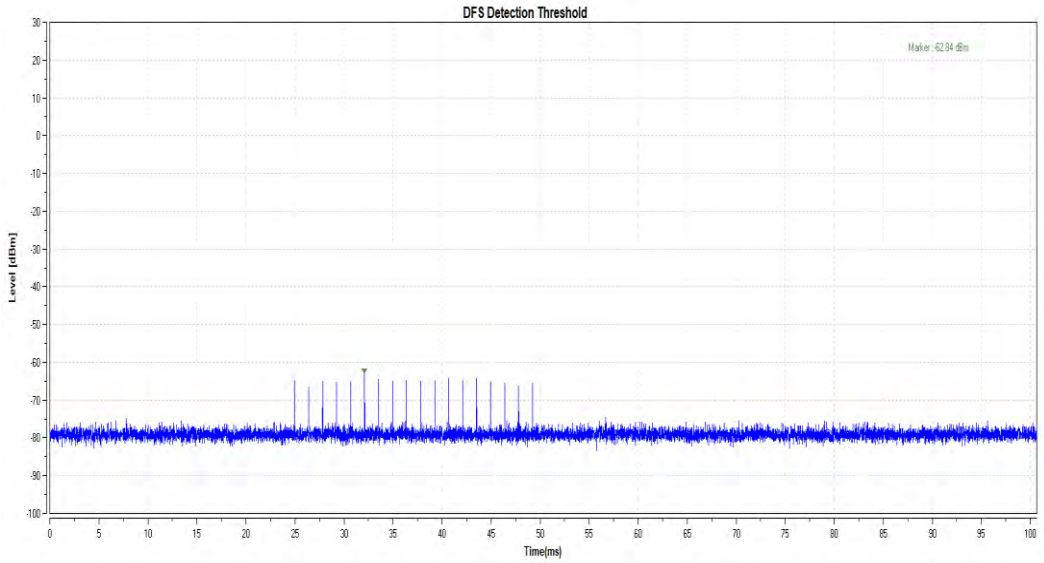

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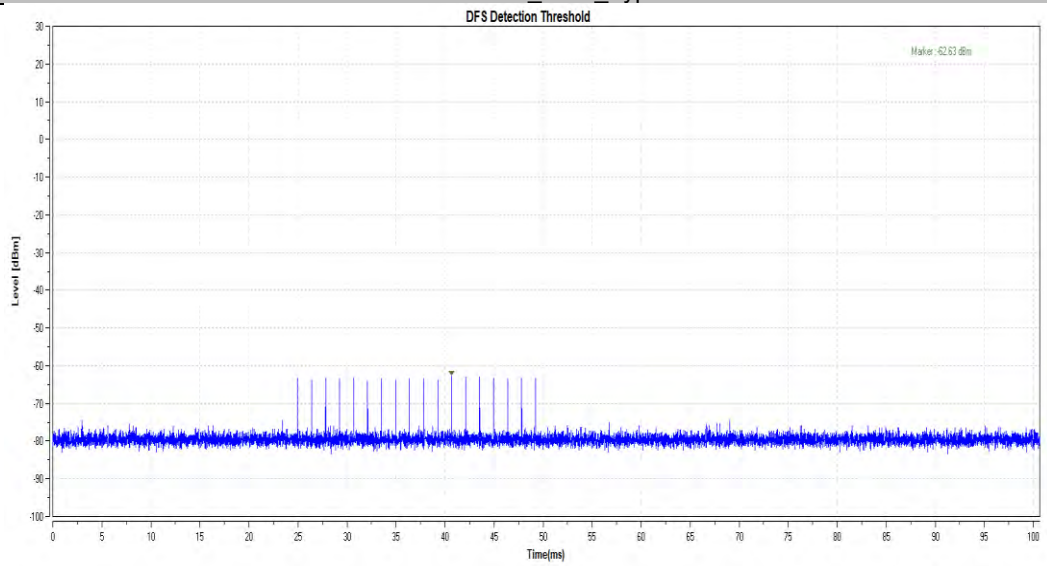

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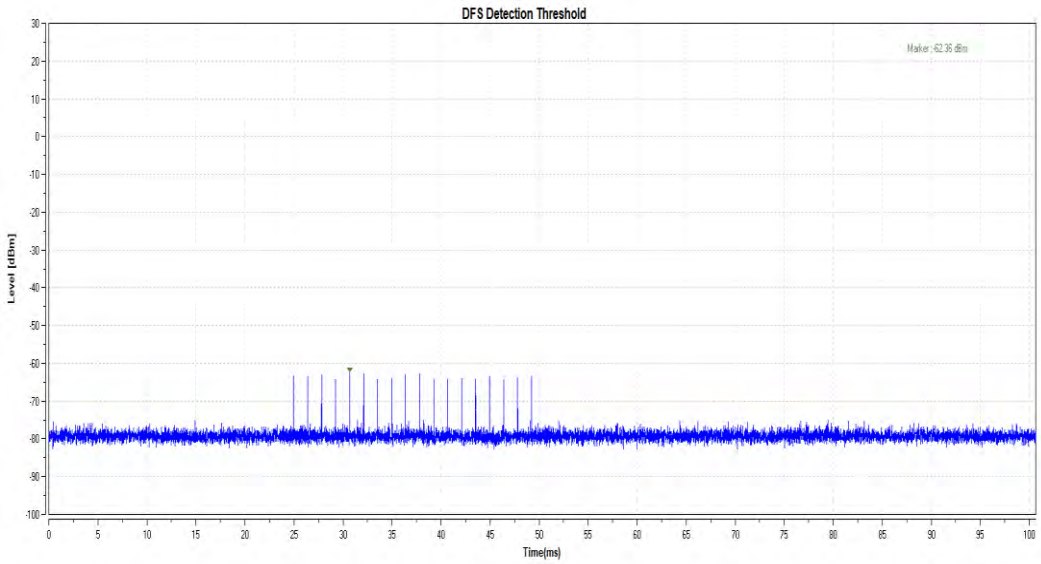

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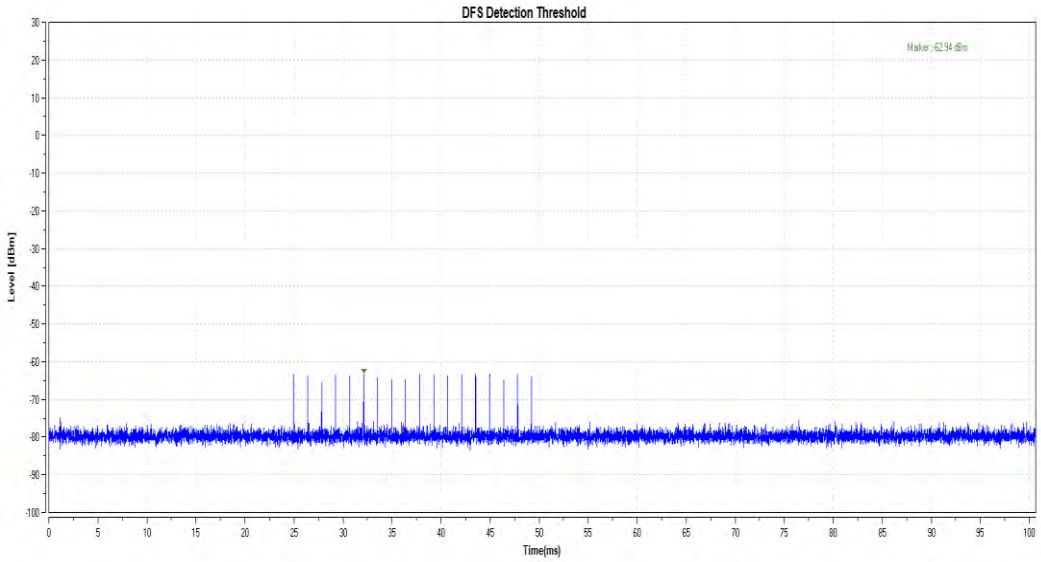

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4.12.4.2 Channel Move Time and Channel Closing Transmission Time

4.12.4.2.1 Test Result

TestMode	Channel	CCT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AC20SISO	5320	7	60	265.2	10000	PASS
	5500	40.5	60	343.2	10000	PASS
11AC80SISO	5290	0	60	226.2	10000	PASS
	5530	33.3	60	293.8	10000	PASS

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4.12.4.2.2 Test Graphs

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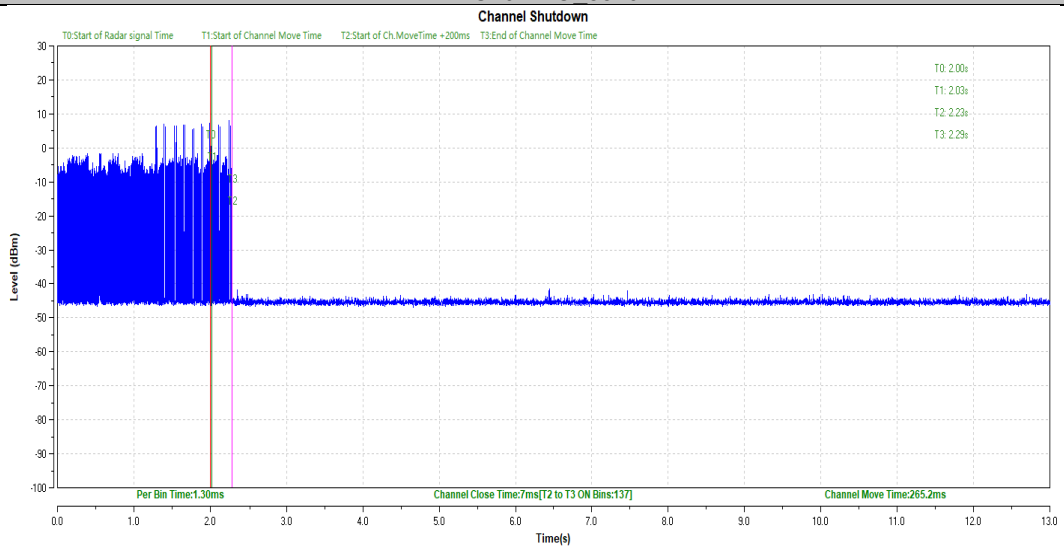

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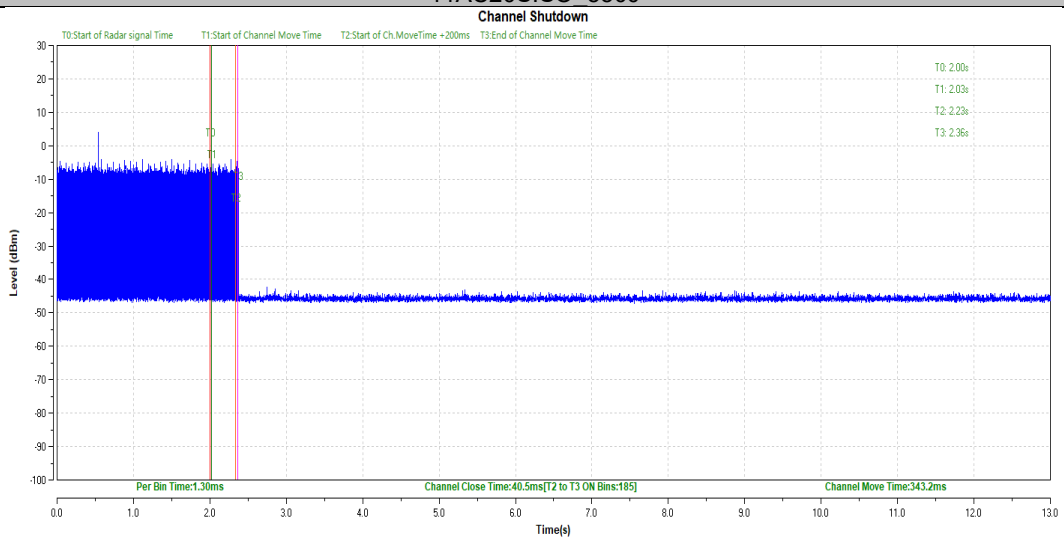

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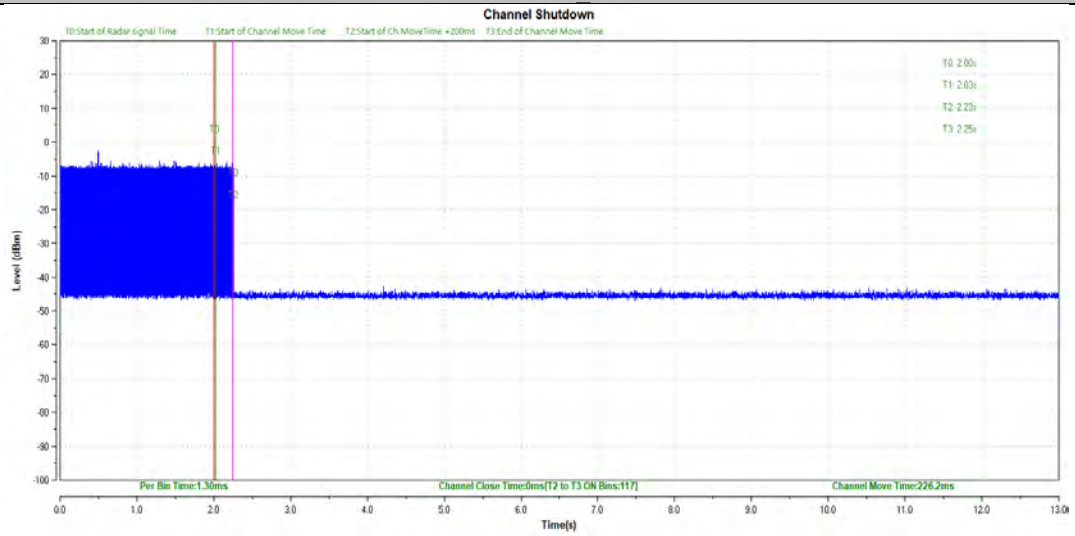
11AC80SISO_5290



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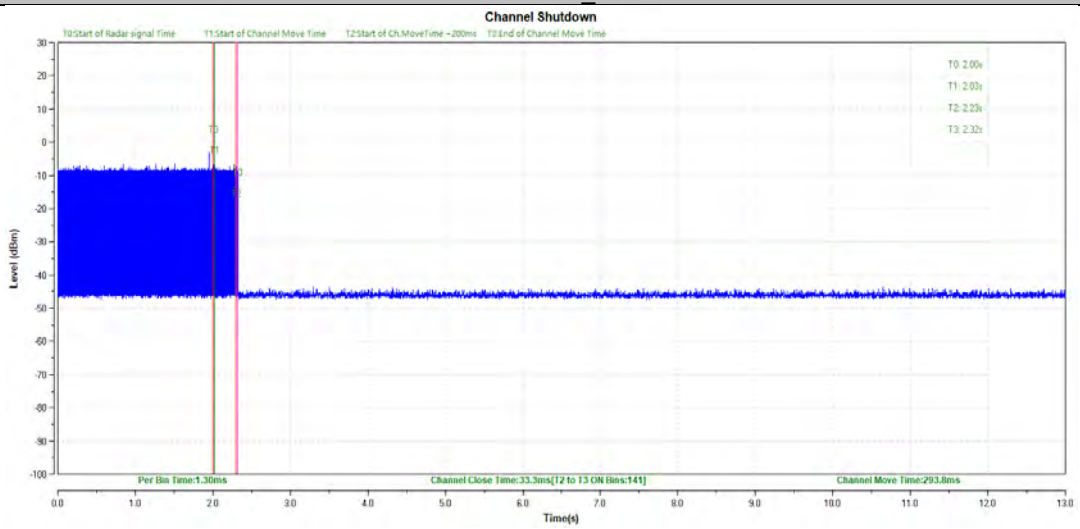

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4.12.4.3 Non-Occupancy Period

4.12.4.3.1 Test Result

TestMode	Channel	Result	Limit[s]	Verdict
11AC20SISO	5320	see test graph	>=1800	PASS
	5500	see test graph	>=1800	PASS
11AC80SISO	5290	see test graph	>=1800	PASS
	5530	see test graph	>=1800	PASS

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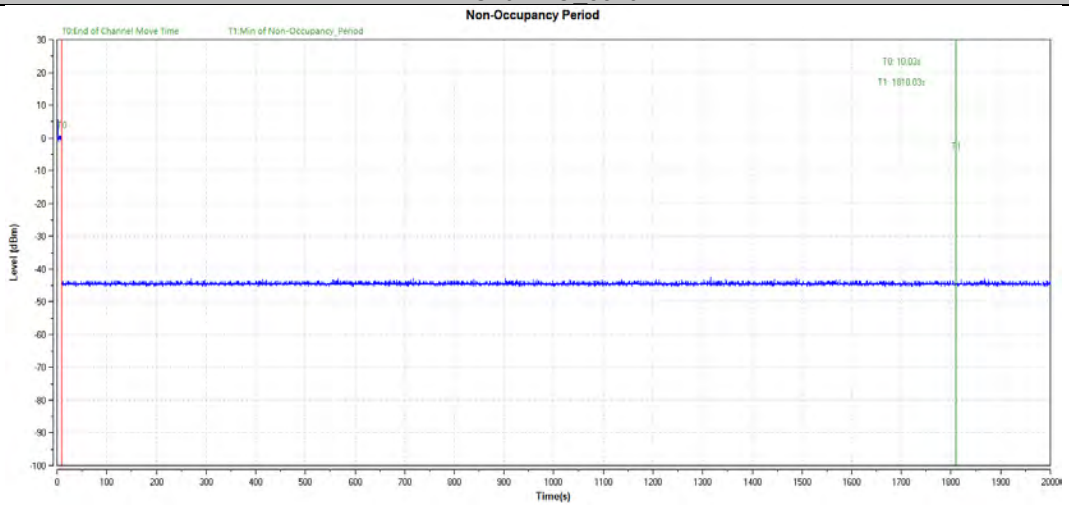
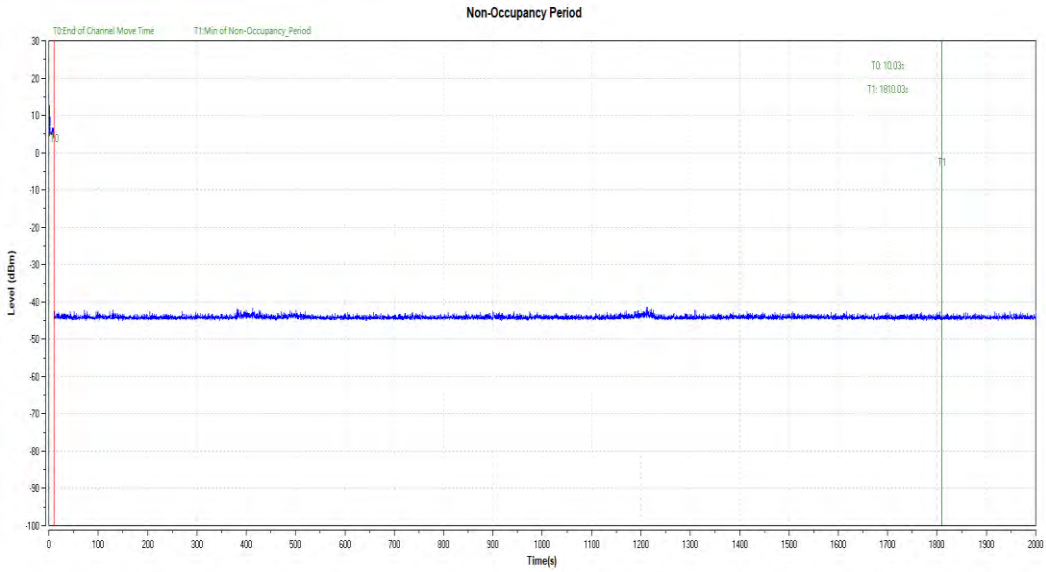
4.12.4.3.2 Test Graphs

11AC20SISO_5320



11AC20SISO_5500



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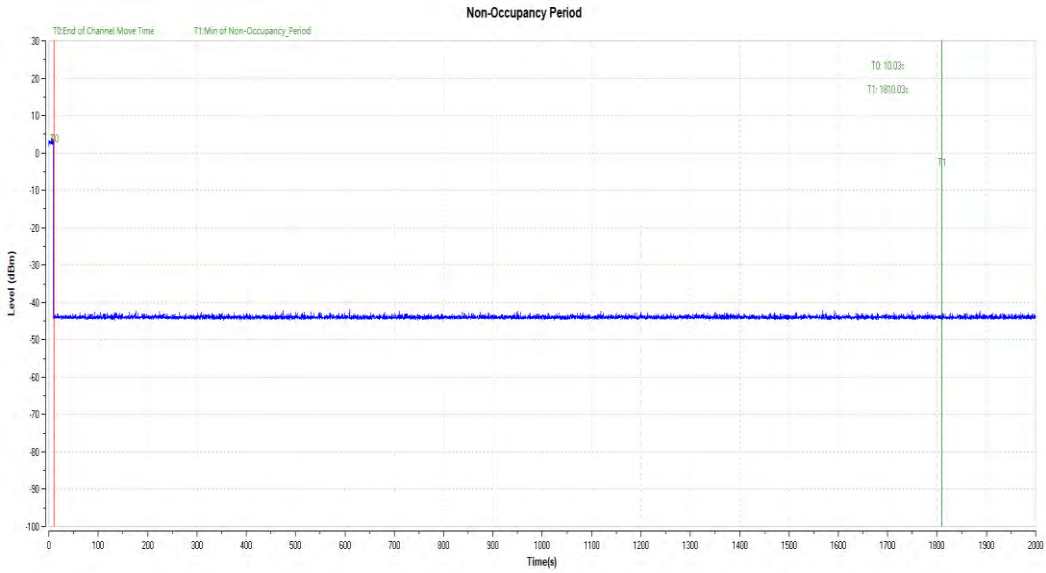
11AC80SISO_5290



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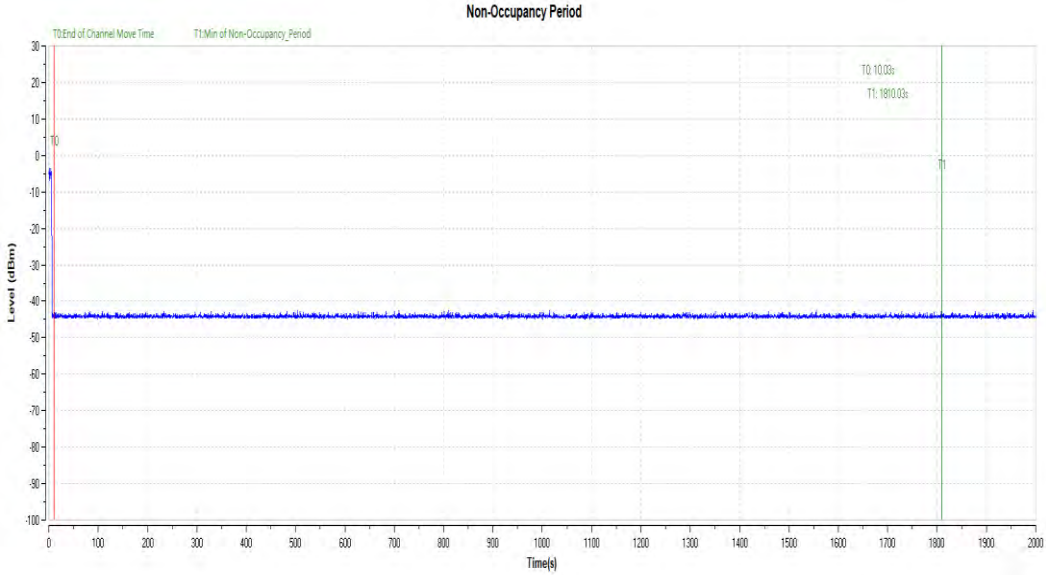

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5 Measurement Uncertainty (95% confidence levels, k=2)

Lab A:

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	Temperature test	±1°C
5	Humidity test	±3%
6	DC and low frequency voltages	±0.5%

Lab B:

No.	Item	Measurement Uncertainty
1	Radiated Spurious emission test	±4.8dB (30MHz-1GHz)
		±5.2dB (1GHz-6GHz)
		±5.5dB (6GHz-18GHz)
		±5.02dB (18GHz-40GHz)
2	Conduct emission test	±3.4 dB (9KHz- 30MHz)

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6 Equipment List

RF conducted test					
Test Equipment	Manufacturer	Model No.	Inventory No	Cal. date (yyyy-mm-dd)	Cal.Duedate (yyyy-mm-dd)
DC Power Supply	Agilent Technologie Inc	66311B	W009-09	2020/7/15	2021/7/15
Signal Analyzer	Rohde & Schwarz	FSV	W025-05	2021/1/3	2022/1/2
				2020/1/4	2021/1/3
Coaxial Cable	SGS	N/A	SEM031-01	2020/6/12	2021/6/11
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2020/7/14	2021/7/14
Temperature Chamber	GIANT FORCE	ICT-150-40-CP AR	W027-03	2020/10/27	2021/10/27
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2020/7/14	2021/7/14

CE TEST SYSTEM					
EQUIPMENT	MANUFACTURER	MODEL NO.	INVENTORY NO.	CAL DATE	CAL DUE DATE
SHIELDING ROOM	BRILLIANT-EMC	N/A	XAW03-35-01	2019-09-11	2022-09-10
TEST RECEIVER	ROHDE&SCHWARZ	ESR	XAW01-08-01	2020-09-11	2021-09-10
ARTIFICIAL NETWORK	ROHDE&SCHWARZ	ENV216	XAW01-04-01	2020-08-04	2021-08-03
TEMPERATURE AND HUMIDITY METER	MINGGAO	TH101B	XAW01-01-01	2020-11-06	2021-11-05
MEASUREMENT SOFTWARE	TONSCEND	TS+ CE V2.5	XAW02-05-02	NCR	NCR

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RSE TEST SYSTEM					
EQUIPMENT	MANUFACTURER	MODEL NO.	INVENTORY NO.	CAL DATE	CAL DUE DATE
SEMI-ANECHOIC CHAMBER	BRILLIANT-EMC	N/A	XAW03-35-01	2019-09-11	2022-09-10
MXA SIGNAL ANALYZER	KEYSIGHT	N9020A	XAW01-06-01	2020-04-02	2021-04-01
SPECTRUM ANALYZER	KEYSIGHT	N9020B	XAW01-11-03	2020-04-15	2021-04-14
TEST RECEIVER	ROHDE&SCHWARZ	ESR	XAW01-08-01	2020-09-11	2021-09-10
RECEIVING ANTENNA (30MHZ-3GHZ)	SCHWARZBECK	VULB 9163	XAW01-09-01	2019-10-13	2021-10-12
RECEIVING ANTENNA (1GHZ~18GHZ)	SCHWARZBECK	BBHA 9120D	XAW01-09-02	2019-10-13	2021-10-12
RECEIVING ANTENNA (15GHZ~40GHZ)	SCHWARZBECK	BBHA 9170	XAW01-09-03	2019-10-13	2021-10-12
DIRECTIONAL ANTENNA RACK CONTROLLER	MAX-FULL	MF-7802BS	XAW03-03-01	NCR	NCR
HIGH-SPEED ANTENNA RACK CONTROLLER	MAX-FULL	MF-7802	XAW03-04-01	NCR	NCR
FILTER BANK	TONSCEND	JS0806-F	XAW03-05-01	NCR	NCR
FILTER BANK	TONSCEND	JS0806S	XAW03-05-02	NCR	NCR
AMPLIFIER	TONSCEND	TAP00903040	XAW01-41-01	2020-10-26	2021-10-25
AMPLIFIER	TONSCEND	TAP01018048	XAW01-41-02	2020-10-26	2021-10-25
AMPLIFIER	TONSCEND	TAP18040048	XAW01-41-03	2020-10-27	2021-10-26
AMPLIFIER	SHANGHAI STEED	YX28980930	XAW01-41-06	2020-10-26	2021-10-25
TEMPERATURE AND HUMIDITY METER	MINGGAO	TH101B	XAW01-01-01	2020-11-06	2021-11-05
MEASUREMENT SOFTWARE	TONSCEND	TS+ RSE V3.0.0.2	XAW02-05-01	NCR	NCR

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7 Photographs - EUT Constructional Details

Refer to Appendix A PCE&DTS&NII Setup Photo

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Emission Bandwidth

Test Result

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	21.960	5168.870	5190.830	---	PASS
		5200	22.470	5188.810	5211.280	---	PASS
		5240	22.650	5228.780	5251.430	---	PASS
		5260	22.230	5248.780	5271.010	---	PASS
		5300	22.290	5288.720	5311.010	---	PASS
		5320	22.710	5308.270	5330.980	---	PASS
		5500	22.170	5488.810	5510.980	---	PASS
		5580	22.980	5568.810	5591.790	---	PASS
		5700	22.200	5688.780	5710.980	---	PASS
		5745	22.170	5733.810	5755.980	---	PASS
		5785	22.110	5773.810	5795.920	---	PASS
		5825	22.170	5813.780	5835.950	---	PASS
11N20SISO	Ant1	5180	23.190	5168.570	5191.760	---	PASS
		5200	23.430	5188.390	5211.820	---	PASS
		5240	23.670	5228.510	5252.180	---	PASS
		5260	23.610	5248.540	5272.150	---	PASS
		5300	23.580	5288.180	5311.760	---	PASS
		5320	23.460	5308.540	5332.000	---	PASS
		5500	23.190	5488.570	5511.760	---	PASS
		5580	23.490	5568.240	5591.730	---	PASS
		5700	23.310	5688.420	5711.730	---	PASS
		5745	23.430	5733.300	5756.730	---	PASS
		5785	23.250	5773.450	5796.700	---	PASS
		5825	22.830	5813.570	5836.400	---	PASS
11N40SISO	Ant1	5190	44.640	5169.600	5214.240	---	PASS
		5230	40.980	5209.660	5250.640	---	PASS
		5270	40.920	5249.660	5290.580	---	PASS
		5310	41.340	5289.300	5330.640	---	PASS

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		5510	41.100	5489.480	5530.580	---	PASS
		5550	41.160	5529.420	5570.580	---	PASS
		5670	40.920	5649.540	5690.460	---	PASS
		5755	40.980	5734.540	5775.520	---	PASS
		5795	41.040	5774.480	5815.520	---	PASS
11AC20SISO	Ant1	5180	23.190	5168.570	5191.760	---	PASS
		5200	23.250	5188.540	5211.790	---	PASS
		5240	23.520	5228.240	5251.760	---	PASS
		5260	23.460	5248.330	5271.790	---	PASS
		5300	23.250	5288.540	5311.790	---	PASS
		5320	25.710	5307.910	5333.620	---	PASS
		5500	23.400	5488.360	5511.760	---	PASS
		5580	23.580	5568.180	5591.760	---	PASS
		5700	23.250	5688.540	5711.790	---	PASS
		5745	23.130	5733.630	5756.760	---	PASS
		5785	22.770	5773.630	5796.400	---	PASS
		5825	23.580	5813.150	5836.730	---	PASS
11AC40SISO	Ant1	5190	41.280	5169.420	5210.700	---	PASS
		5230	41.100	5209.600	5250.700	---	PASS
		5270	41.100	5249.480	5290.580	---	PASS
		5310	41.100	5289.480	5330.580	---	PASS
		5510	41.220	5489.420	5530.640	---	PASS
		5550	41.100	5529.480	5570.580	---	PASS
		5670	41.040	5649.540	5690.580	---	PASS
		5755	41.040	5734.600	5775.640	---	PASS
		5795	40.980	5774.600	5815.580	---	PASS
11AC80SISO	Ant1	5210	80.640	5169.920	5250.560	---	PASS
		5290	81.960	5249.080	5331.040	---	PASS
		5530	81.480	5489.200	5570.680	---	PASS
		5610	81.840	5569.200	5651.040	---	PASS
		5775	81.240	5734.440	5815.680	---	PASS

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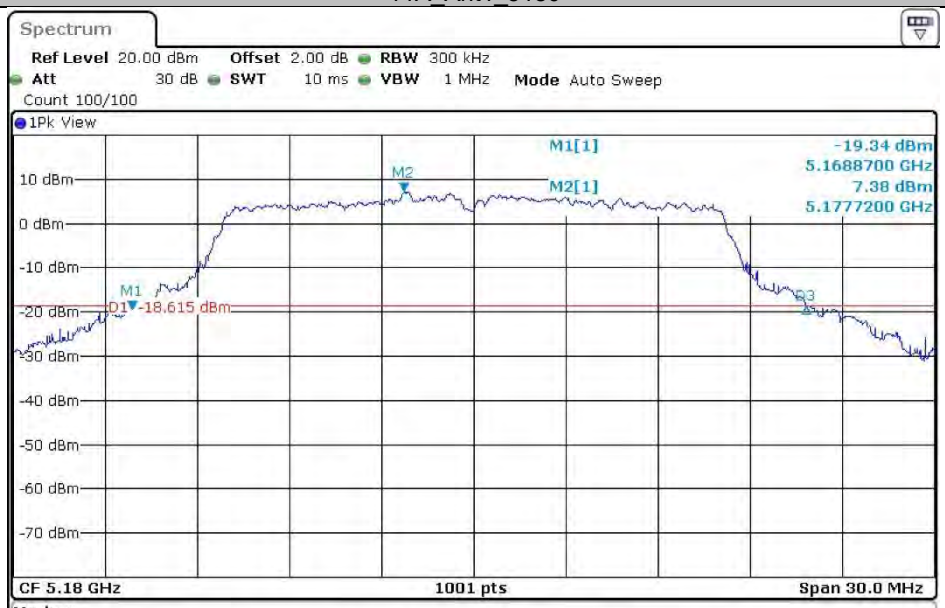
Test Graphs

11A_Ant1_5180



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.16887 GHz	-19.34 dBm		
M2		1	5.17772 GHz	7.38 dBm		
D3	M1	1	21.96 MHz	0.62 dB		

Date: 31.JAN.2021 11:30:09

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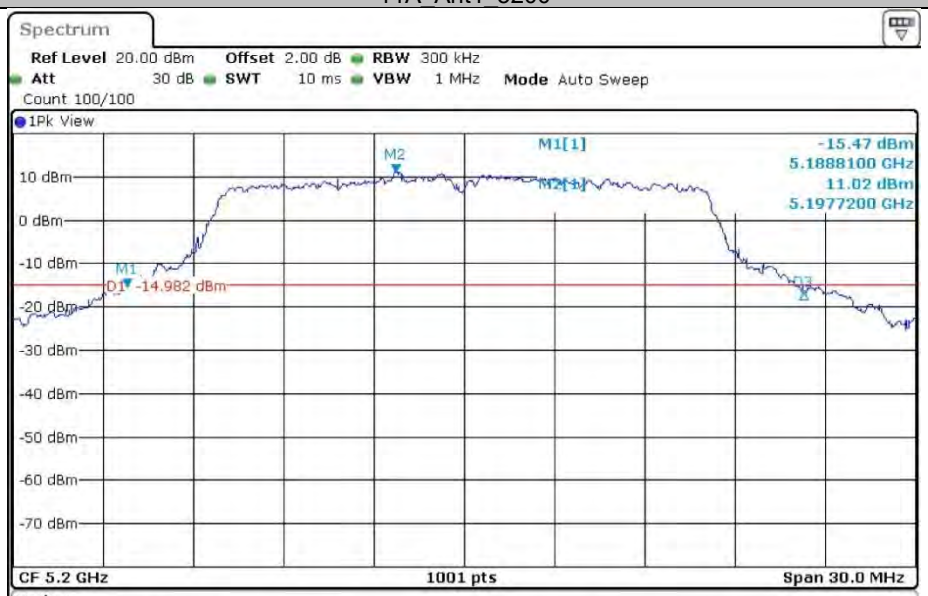
11A_Ant1_5200

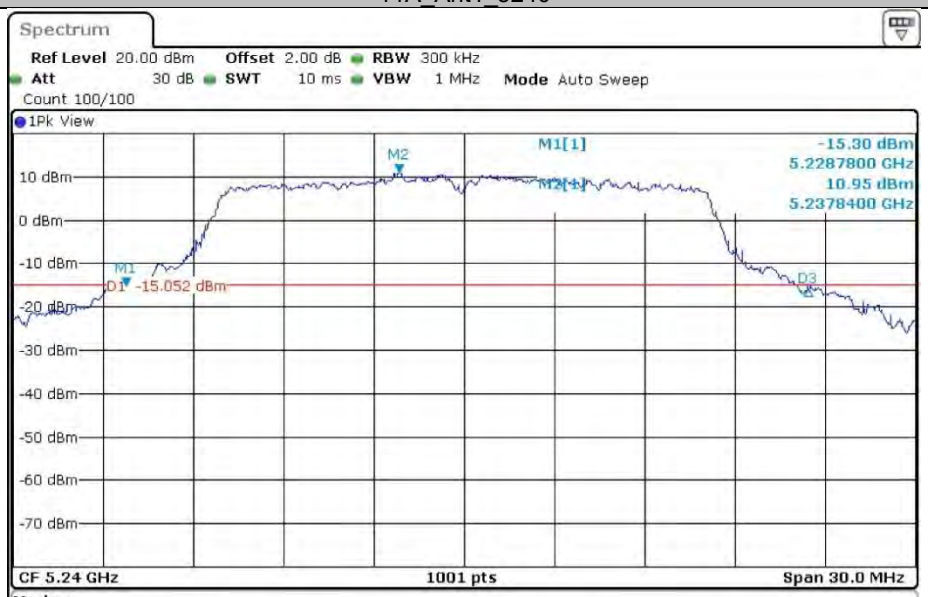


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.18881 GHz	-15.47 dBm		
M2		1	5.19772 GHz	11.02 dBm		
D3	M1	1	22.47 MHz	-0.98 dB		

Date: 31.JAN.2021 11:31:22

11A_Ant1_5240



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.22878 GHz	-15.30 dBm		
M2		1	5.23784 GHz	10.95 dBm		
D3	M1	1	22.65 MHz	-0.55 dB		

Date: 31.JAN.2021 11:32:29

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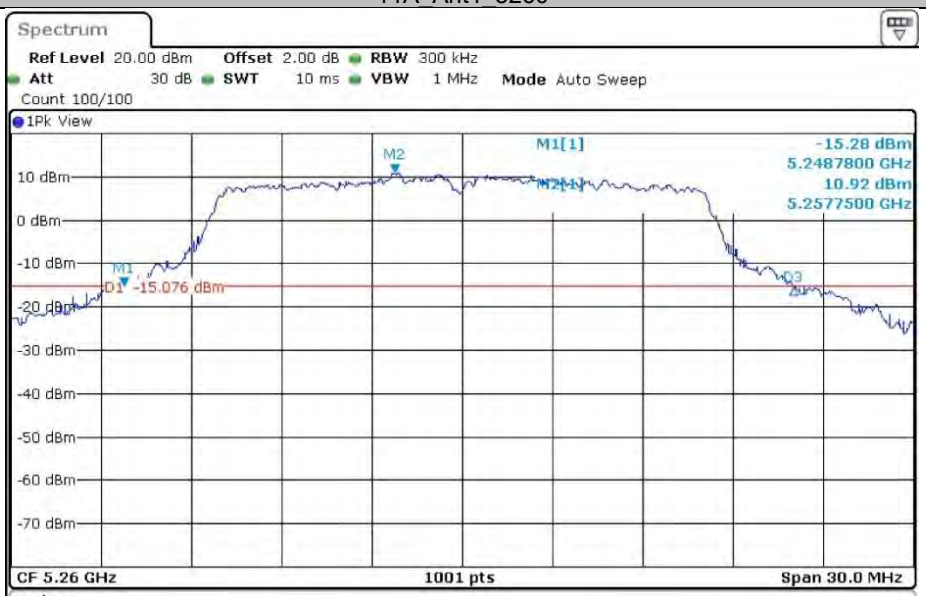
11A_Ant1_5260

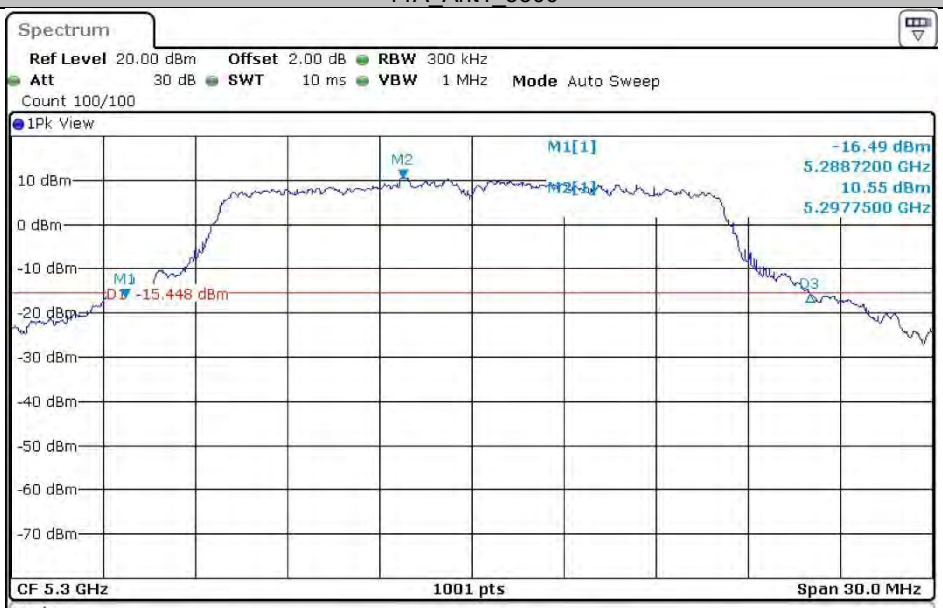


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.24878 GHz	-15.28 dBm		
M2		1	5.25775 GHz	10.92 dBm		
D3	M1	1	22.23 MHz	-0.04 dB		

Date: 31.JAN.2021 11:34:35

11A_Ant1_5300



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.28872 GHz	-16.49 dBm		
M2		1	5.29775 GHz	10.55 dBm		
D3	M1	1	22.29 MHz	0.71 dB		

Date: 31.JAN.2021 11:35:44

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