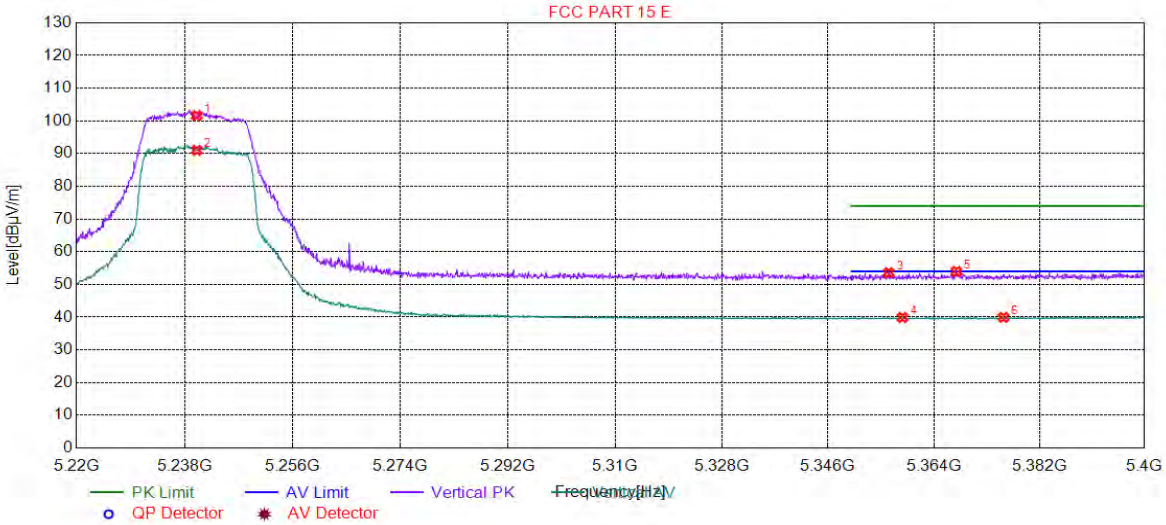
4.11.1.20 802.11N20_Channel 48

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	101.63	15.49	0.00	-101.63	150	111	Vertical
2	5240.00	91.01	15.49	0.00	-91.01	150	111	Vertical
3	5356.32	53.60	15.98	74.00	20.40	150	111	Vertical
4	5358.66	39.91	15.99	54.00	14.09	150	83	Vertical
5	5367.85	53.99	16.05	74.00	20.01	150	28	Vertical
6	5375.86	39.95	16.10	54.00	14.05	150	49	Vertical

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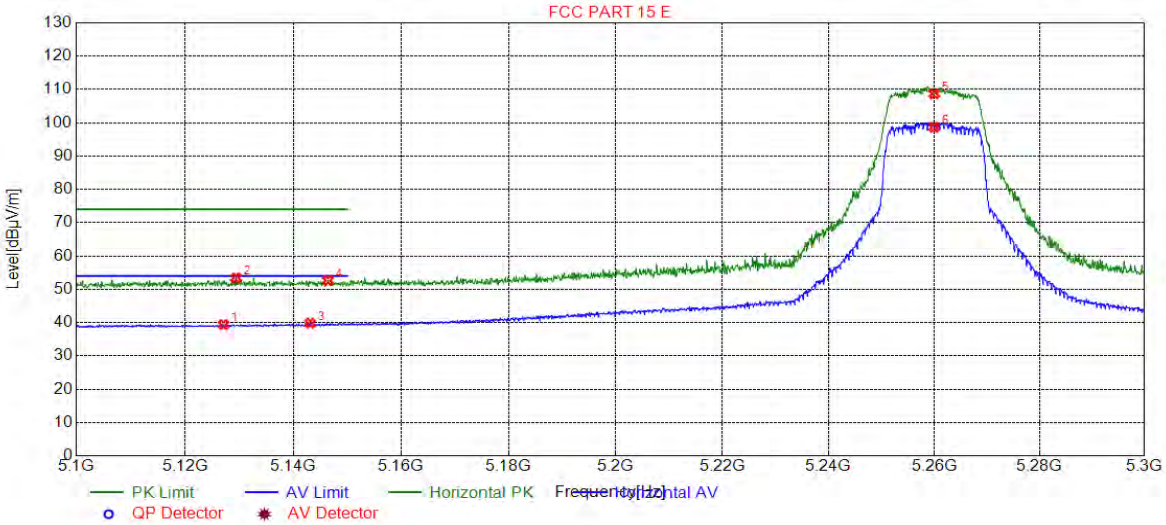
4.11.1.21 802.11N20_Channel 52

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5127.11	39.45	15.32	54.00	14.55	150	241	Horizontal
2	5129.41	53.46	15.34	74.00	20.54	150	269	Horizontal
3	5143.12	39.86	15.46	54.00	14.14	150	241	Horizontal
4	5146.42	52.66	15.49	74.00	21.34	150	262	Horizontal
5	5260.00	108.71	15.51	0.00	-108.71	150	241	Horizontal
6	5260.00	98.64	15.51	0.00	-98.64	150	241	Horizontal

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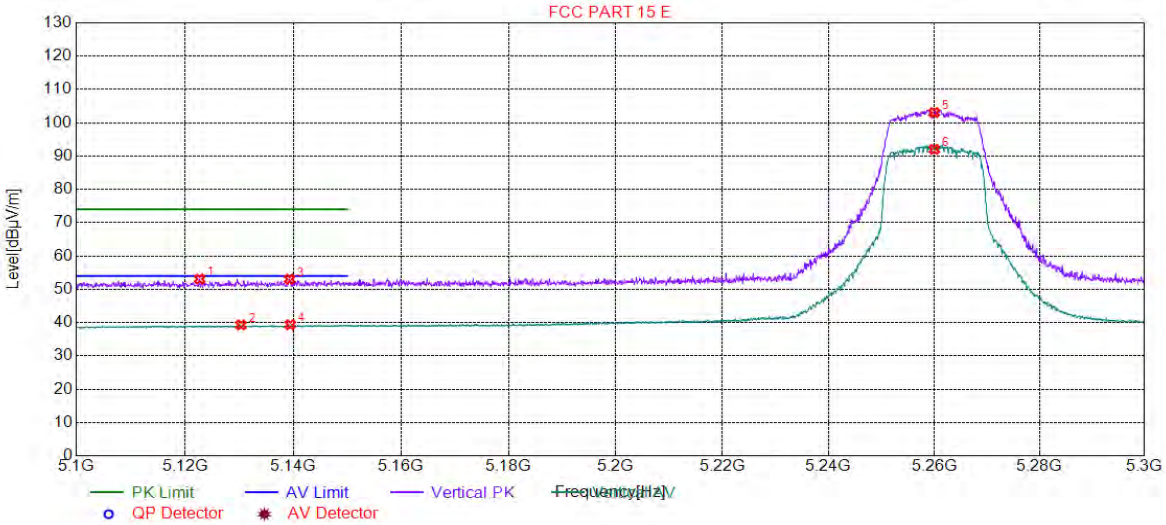
4.11.1.22 802.11N20_Channel 52

Test Graph



Suspected List

Suspected List								
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1	5122.71	53.11	15.29	74.00	20.89	150	344	Vertical
2	5130.31	39.34	15.35	54.00	14.66	150	155	Vertical
3	5139.31	53.06	15.43	74.00	20.94	150	92	Vertical
4	5139.41	39.39	15.43	54.00	14.61	150	23	Vertical
5	5260.00	103.05	15.51	0.00	-103.05	150	161	Vertical
6	5260.00	92.01	15.51	0.00	-92.01	150	161	Vertical

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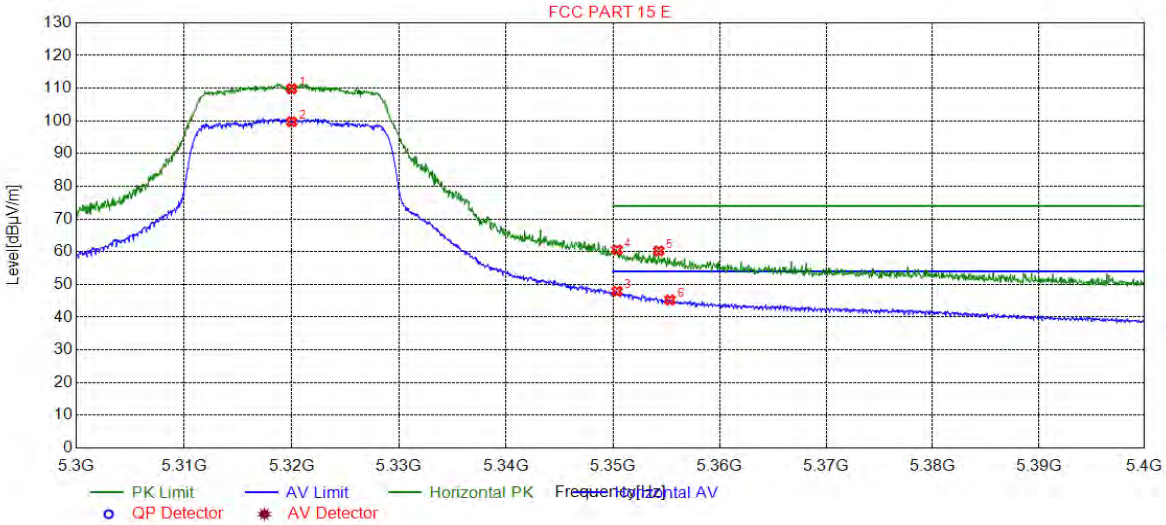
4.11.1.23 802.11N20_Channel 64

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	109.85	15.80	0.00	-109.85	150	250	Horizontal
2	5320.00	99.76	15.80	0.00	-99.76	150	243	Horizontal
3	5350.37	47.95	15.94	54.00	6.05	150	243	Horizontal
4	5350.37	60.61	15.94	74.00	13.39	150	243	Horizontal
5	5354.27	60.28	15.97	74.00	13.72	150	243	Horizontal
6	5355.32	45.27	15.97	54.00	8.73	150	243	Horizontal

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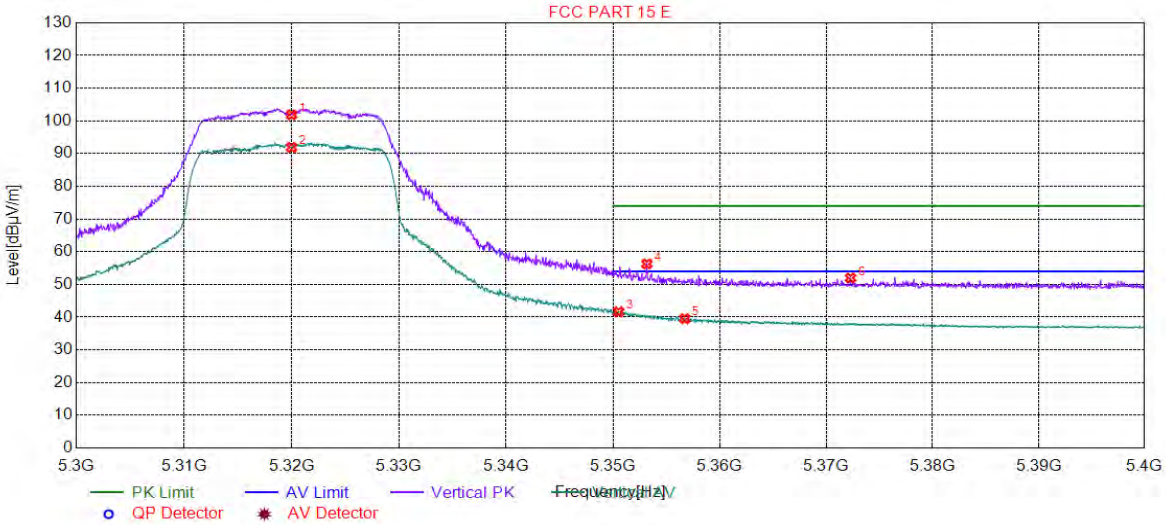
4.11.1.24 802.11N20_Channel 64

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	101.88	15.80	0.00	-101.88	150	159	Vertical
2	5320.00	91.91	15.80	0.00	-91.91	150	159	Vertical
3	5350.52	41.65	15.94	54.00	12.35	150	159	Vertical
4	5353.17	56.31	15.96	74.00	17.69	150	344	Vertical
5	5356.72	39.54	15.98	54.00	14.46	150	159	Vertical
6	5372.28	52.01	16.08	74.00	21.99	150	159	Vertical

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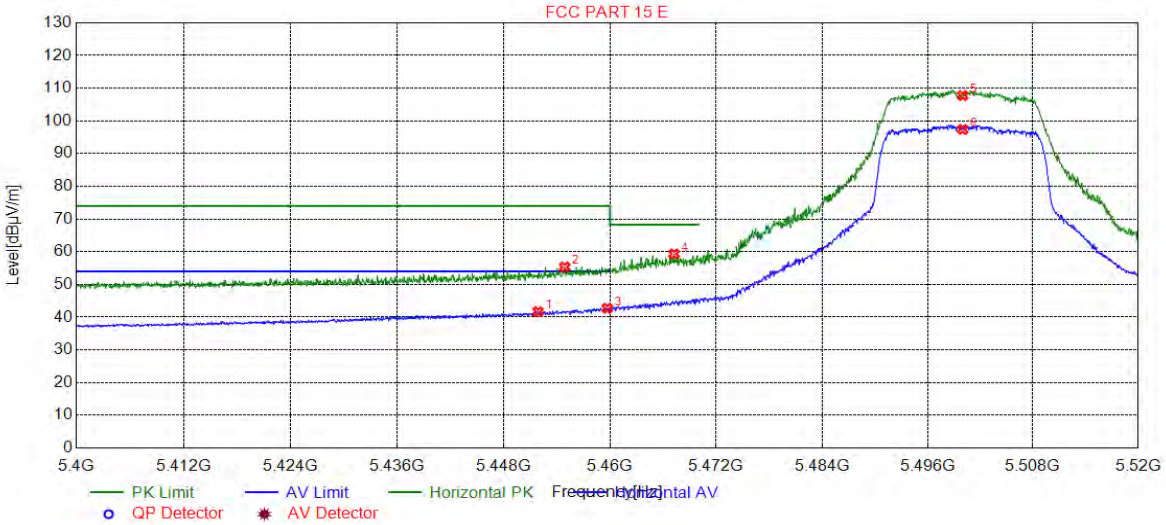
4.11.1.25 802.11N20_Channel 100

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5451.86	41.68	16.25	54.00	12.32	150	238	Horizontal
2	5454.86	55.33	16.25	74.00	18.67	150	244	Horizontal
3	5459.66	42.75	16.25	54.00	11.25	150	244	Horizontal
4	5467.23	59.35	16.25	68.30	8.95	150	244	Horizontal
5	5500.00	107.76	16.25	0.00	-107.76	150	244	Horizontal
6	5500.00	97.39	16.25	0.00	-97.39	150	244	Horizontal

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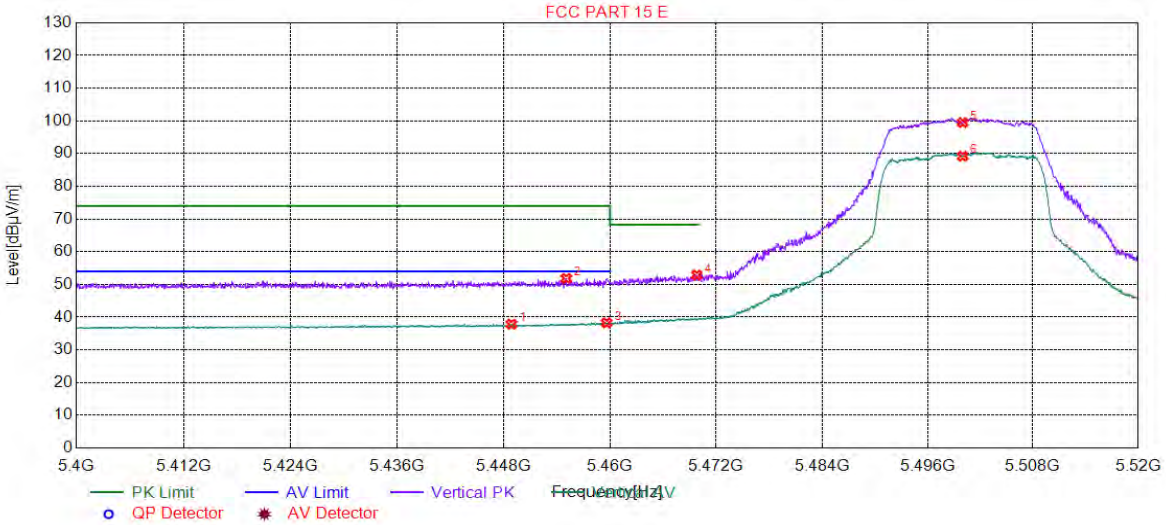
4.11.1.26 802.11N20_Channel 100

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5448.86	37.86	16.25	54.00	16.14	150	330	Vertical
2	5455.04	51.86	16.25	74.00	22.14	150	62	Vertical
3	5459.60	38.28	16.25	54.00	15.72	150	160	Vertical
4	5469.81	52.89	16.25	68.30	15.41	150	89	Vertical
5	5500.00	99.50	16.25	0.00	-99.50	150	95	Vertical
6	5500.00	89.21	16.25	0.00	-89.21	150	160	Vertical

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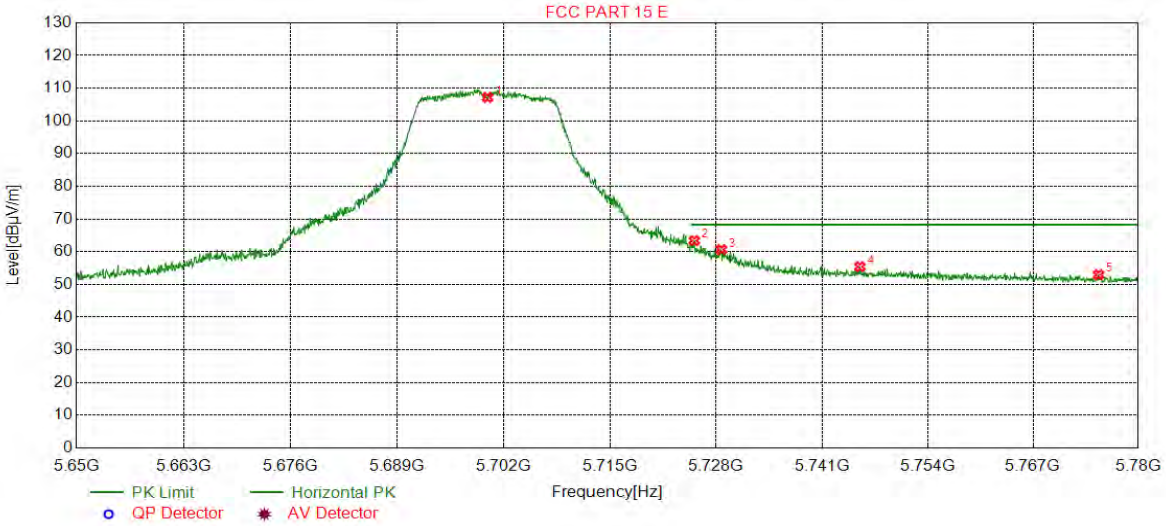
4.11.1.27 802.11N20_Channel 140

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	107.21	16.80	0.00	-107.21	150	243	Horizontal
2	5725.30	63.42	16.96	68.30	4.88	150	243	Horizontal
3	5728.62	60.64	16.98	68.30	7.66	150	243	Horizontal
4	5745.66	55.44	17.09	68.30	12.86	150	238	Horizontal
5	5775.12	52.98	17.16	68.30	15.32	150	16	Horizontal

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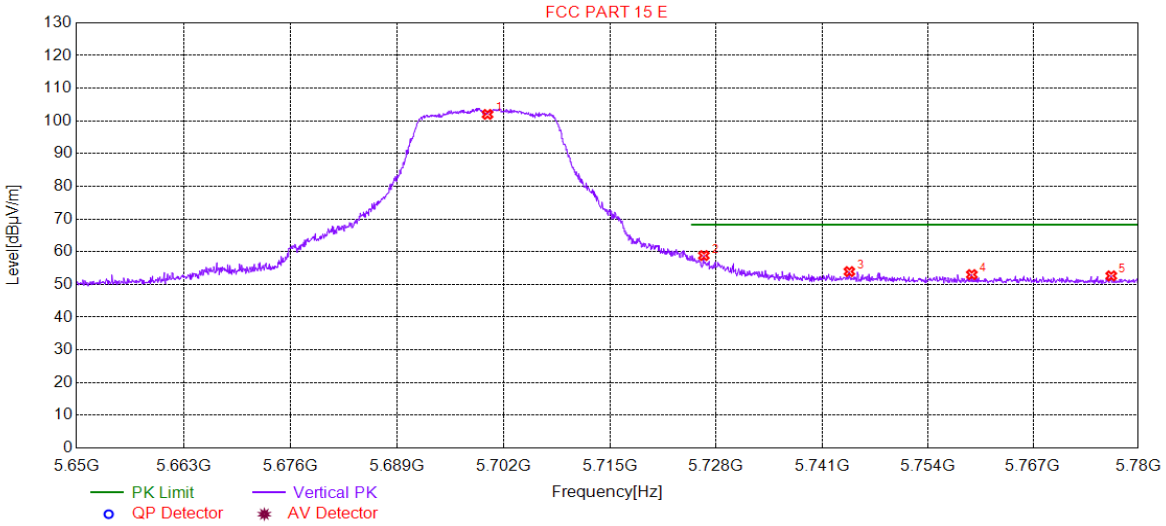
4.11.1.28 802.11N20_Channel 140

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	102.01	16.80	0.00	-102.01	150	36	Vertical
2	5726.47	58.84	16.97	68.30	9.46	150	78	Vertical
3	5744.36	53.95	17.08	68.30	14.35	150	96	Vertical
4	5759.44	53.03	17.13	68.30	15.27	150	133	Vertical
5	5776.68	52.64	17.16	68.30	15.66	150	60	Vertical

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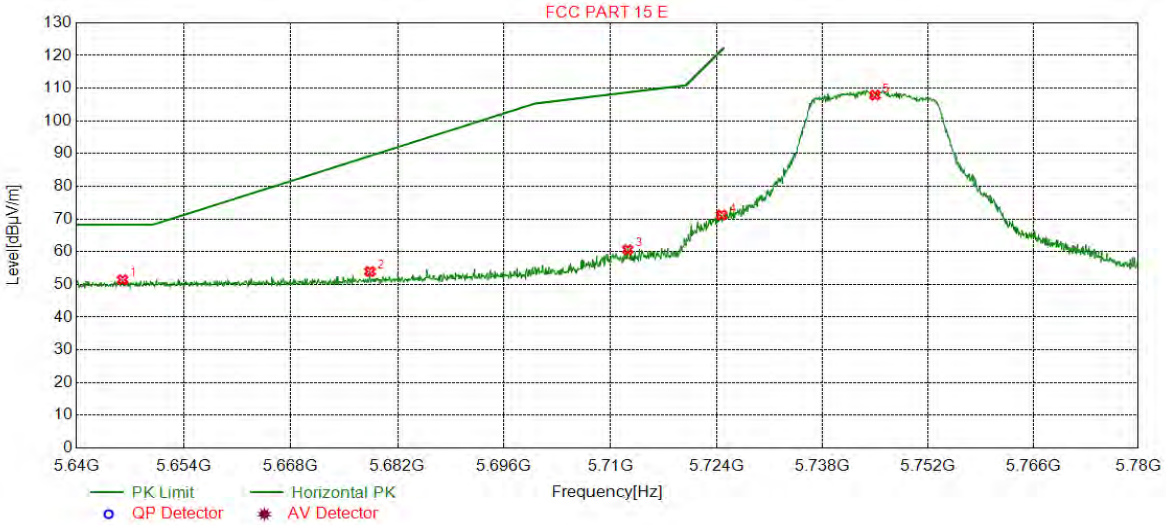
4.11.1.29 802.11N20_Channel 149

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5646.02	51.46	16.53	68.30	16.84	150	130	Horizontal
2	5678.37	53.97	16.68	89.30	35.33	150	241	Horizontal
3	5712.27	60.65	16.88	108.74	48.09	150	241	Horizontal
4	5724.67	71.27	16.96	121.55	50.28	150	241	Horizontal
5	5745.00	107.87	17.09	0.00	-107.87	150	241	Horizontal

Final Data List

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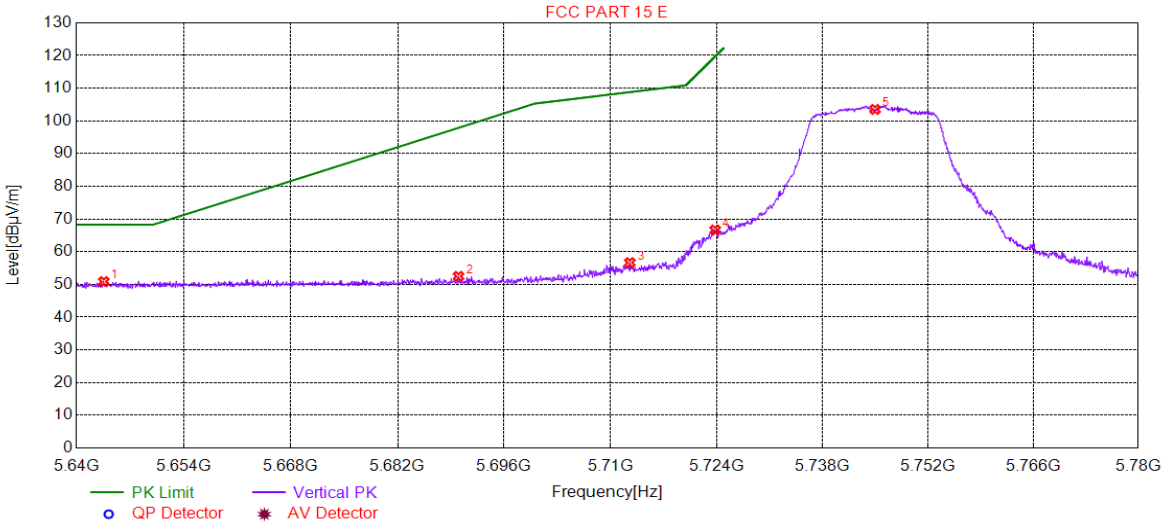
4.11.1.30 802.11N20_Channel 149

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5643.57	50.88	16.54	68.30	17.42	150	152	Vertical
2	5690.00	52.50	16.75	97.90	45.40	150	69	Vertical
3	5712.55	56.67	16.88	108.82	52.15	150	69	Vertical
4	5723.83	66.65	16.95	119.64	52.99	150	74	Vertical
5	5745.00	103.53	17.09	0.00	-103.53	150	69	Vertical

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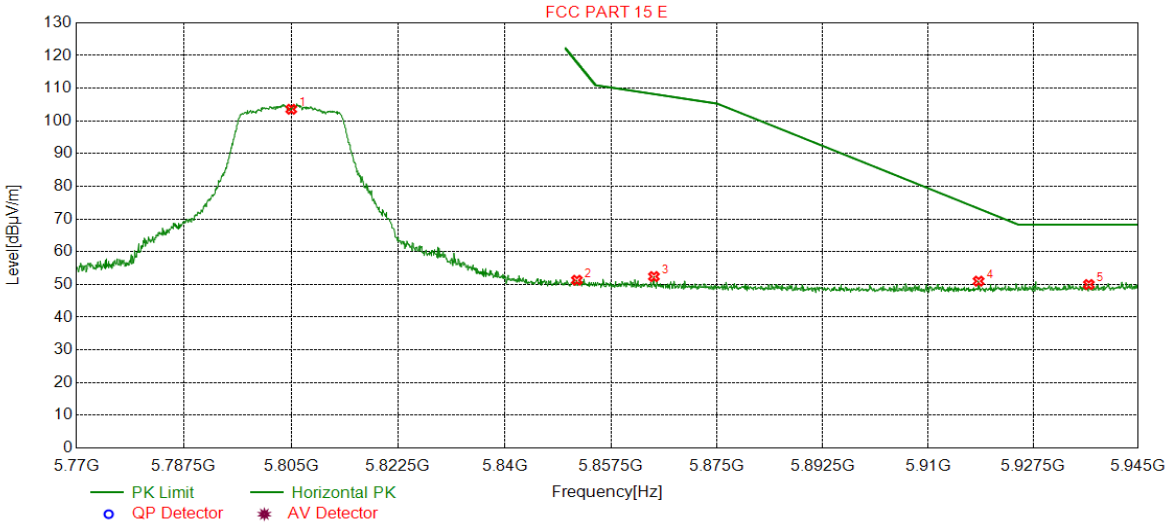
4.11.1.31 802.11N20_Channel 161

Test Graph



Suspected List

Suspected List								
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1	5805.00	103.57	17.20	0.00	-103.57	150	245	Horizontal
2	5851.85	51.31	17.25	118.07	66.76	150	57	Horizontal
3	5864.54	52.43	17.22	108.23	55.80	150	264	Horizontal
4	5918.38	51.02	17.39	73.19	22.17	150	300	Horizontal
5	5936.77	50.00	17.68	68.30	18.30	150	191	Horizontal

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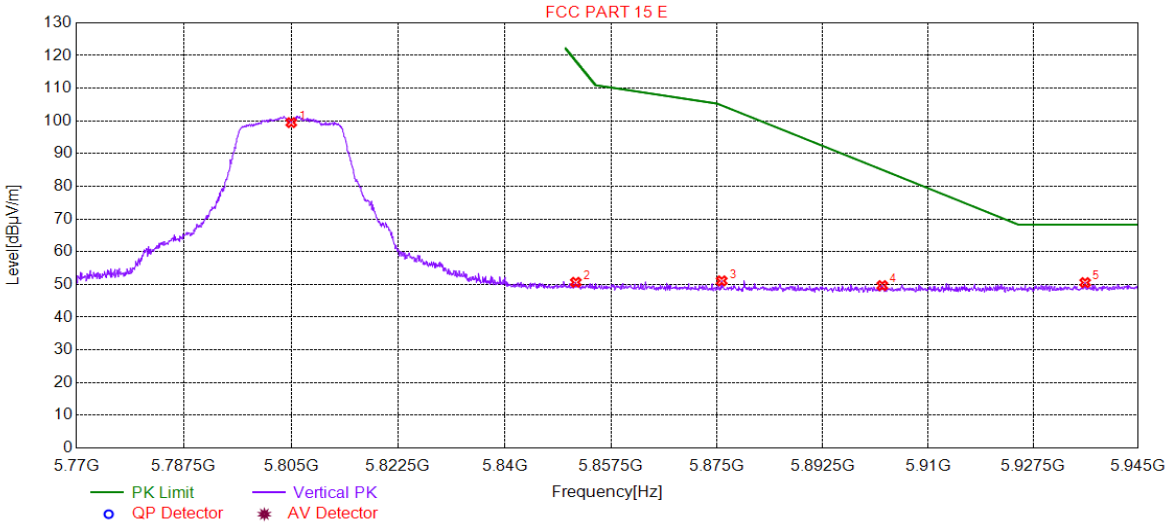
4.11.1.32 802.11N20_Channel 161

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5805.00	99.48	17.20	0.00	-99.48	150	46	Vertical
2	5851.67	50.67	17.25	118.47	67.80	150	37	Vertical
3	5875.75	51.11	17.18	104.74	53.63	150	330	Vertical
4	5902.36	49.67	17.15	85.05	35.38	150	105	Vertical
5	5936.15	50.58	17.67	68.30	17.72	150	165	Vertical

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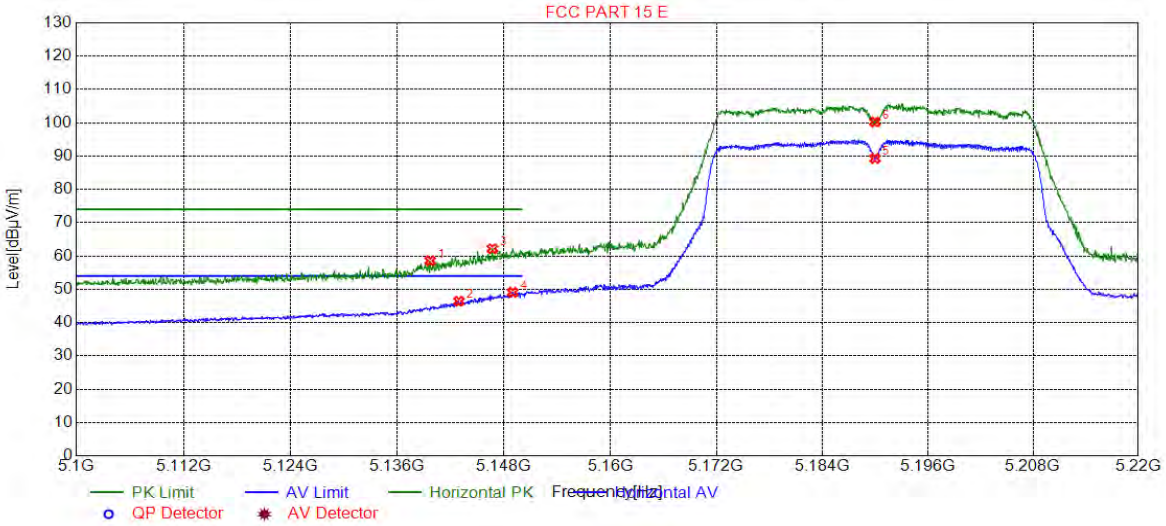
4.11.1.33 802.11N40_Channel 38

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5139.67	58.60	15.43	74.00	15.40	150	243	Horizontal
2	5142.92	46.44	15.46	54.00	7.56	150	243	Horizontal
3	5146.70	62.21	15.49	74.00	11.79	150	243	Horizontal
4	5148.98	49.11	15.51	54.00	4.89	150	243	Horizontal
5	5190.00	89.28	15.58	0.00	-89.28	150	243	Horizontal
6	5190.00	100.22	15.58	0.00	-100.22	150	243	Horizontal

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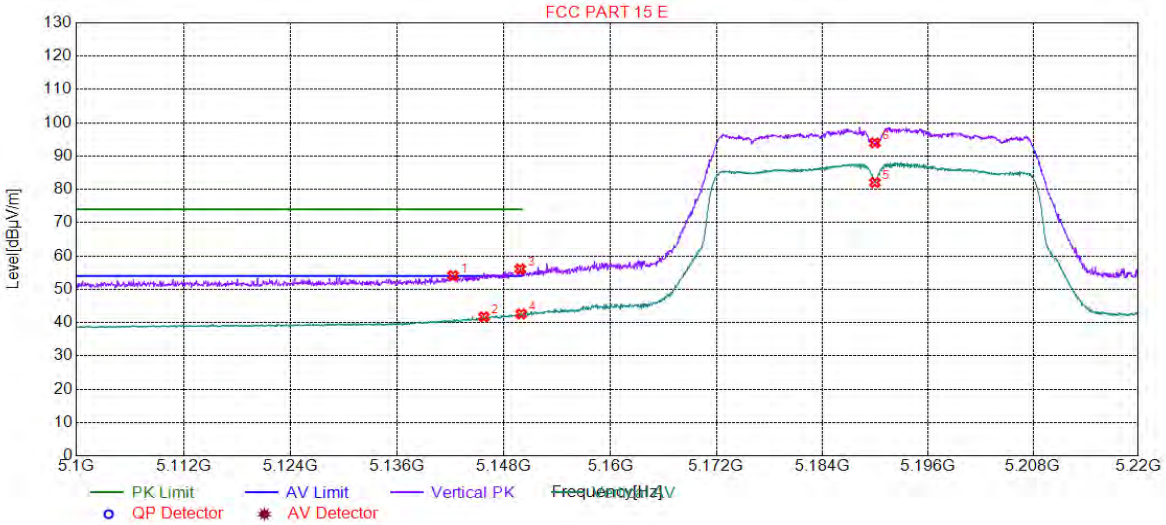
4.11.1.34 802.11N40_Channel 38

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5142.26	54.14	15.45	74.00	19.86	150	100	Vertical
2	5145.74	41.75	15.48	54.00	12.25	150	160	Vertical
3	5149.82	56.12	15.52	74.00	17.88	150	160	Vertical
4	5149.94	42.63	15.52	54.00	11.37	150	166	Vertical
5	5190.00	82.04	15.58	0.00	-82.04	150	106	Vertical
6	5190.00	93.97	15.58	0.00	-93.97	150	106	Vertical

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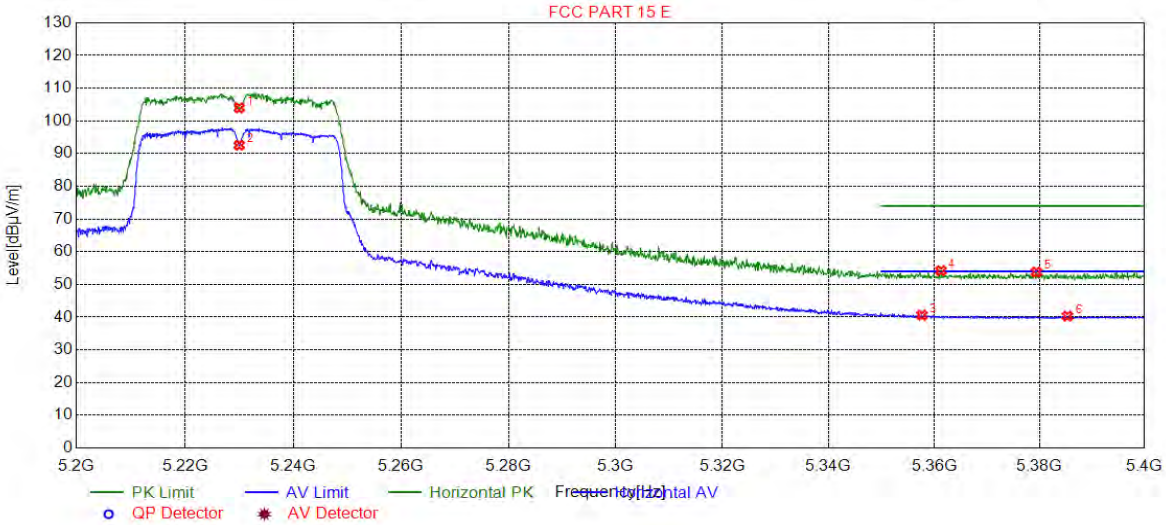
4.11.1.35 802.11N40_Channel 46

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	104.01	15.51	0.00	-104.01	150	248	Horizontal
2	5230.00	92.59	15.51	0.00	-92.59	150	241	Horizontal
3	5357.67	40.60	15.99	54.00	13.40	150	241	Horizontal
4	5361.28	54.21	16.01	74.00	19.79	150	241	Horizontal
5	5379.38	53.81	16.12	74.00	20.19	150	214	Horizontal
6	5385.29	40.34	16.16	54.00	13.66	150	241	Horizontal

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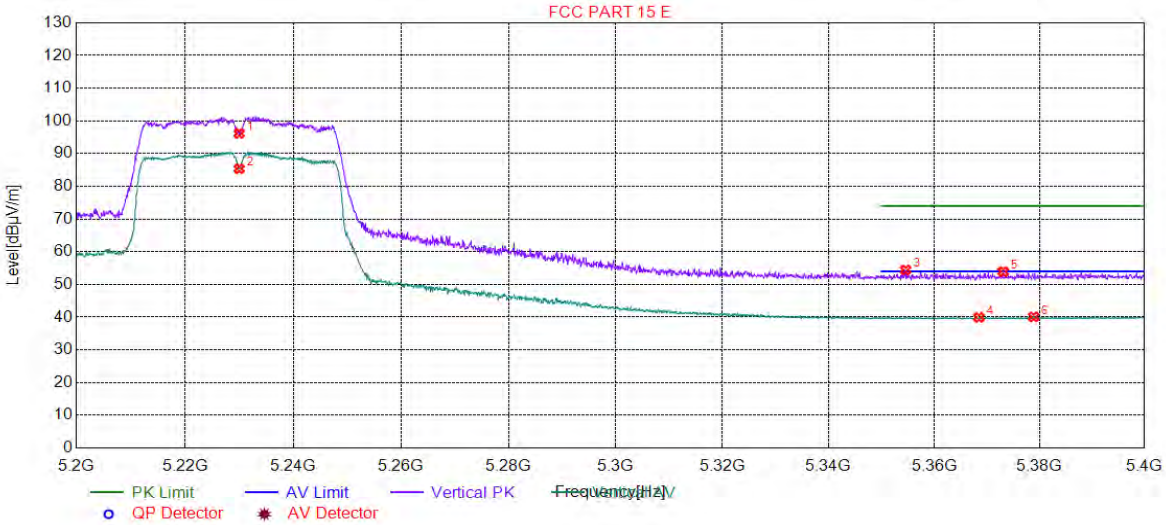
4.11.1.36 802.11N40_Channel 46

Test Graph



Suspected List

Suspected List								
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1	5230.00	96.22	15.51	0.00	-96.22	150	155	Vertical
2	5230.00	85.38	15.51	0.00	-85.38	150	162	Vertical
3	5354.57	54.45	15.97	74.00	19.55	150	230	Vertical
4	5368.48	39.93	16.05	54.00	14.07	150	38	Vertical
5	5373.08	53.92	16.08	74.00	20.08	150	107	Vertical
6	5378.88	40.11	16.12	54.00	13.89	150	134	Vertical

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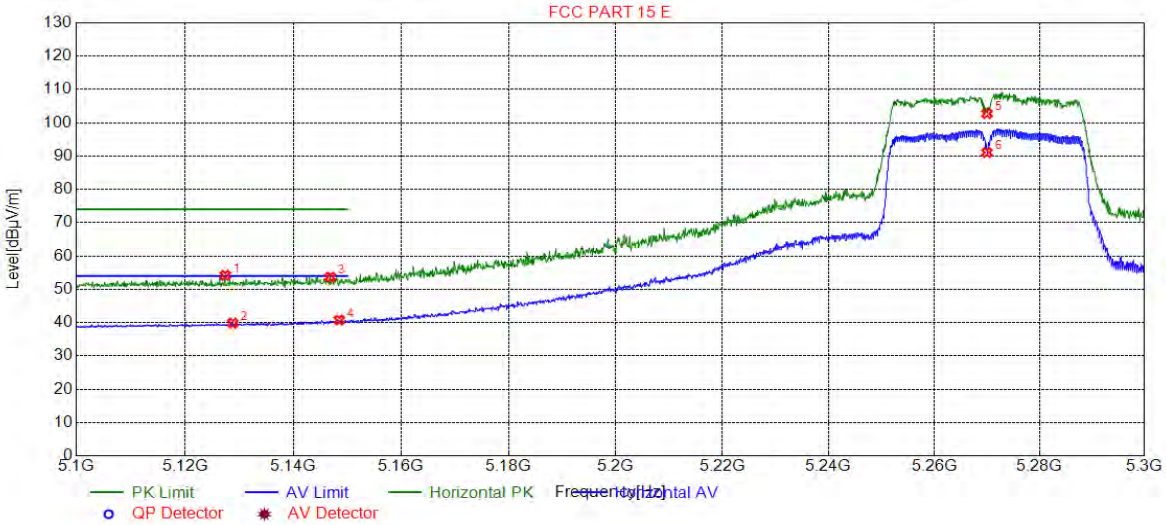
4.11.1.37 802.11N40_Channel 54

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5127.41	54.23	15.33	74.00	19.77	150	248	Horizontal
2	5128.81	39.87	15.34	54.00	14.13	150	241	Horizontal
3	5146.82	53.71	15.49	74.00	20.29	150	248	Horizontal
4	5148.52	40.78	15.51	54.00	13.22	150	241	Horizontal
5	5270.00	102.77	15.56	0.00	-102.77	150	241	Horizontal
6	5270.00	91.08	15.56	0.00	-91.08	150	248	Horizontal

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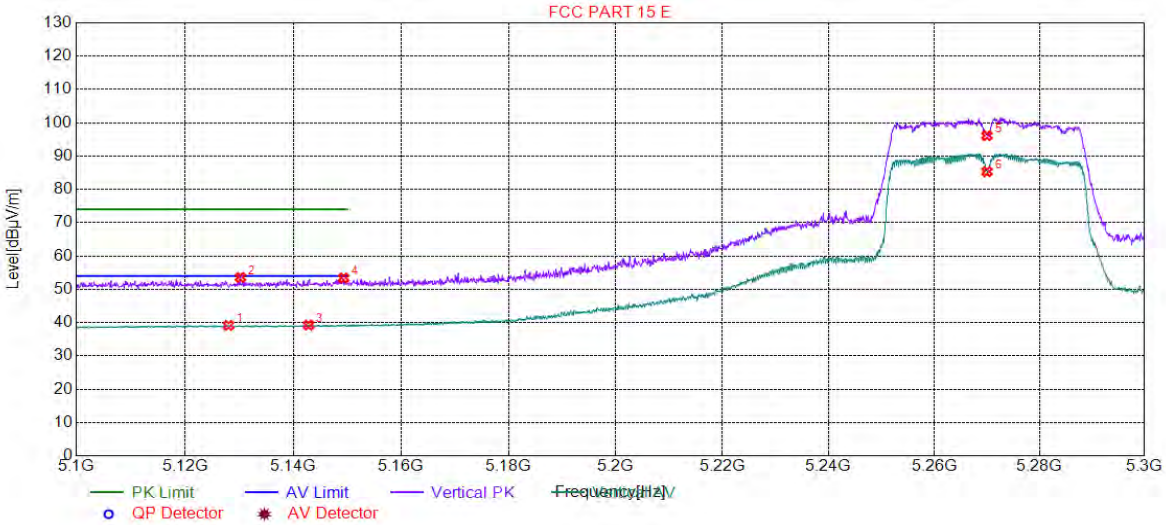
4.11.1.38 802.11N40_Channel 54

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5128.01	39.17	15.33	54.00	14.83	150	250	Vertical
2	5130.21	53.58	15.35	74.00	20.42	150	312	Vertical
3	5142.82	39.30	15.46	54.00	14.70	150	30	Vertical
4	5149.32	53.39	15.51	74.00	20.61	150	9	Vertical
5	5270.00	96.12	15.56	0.00	-96.12	150	161	Vertical
6	5270.00	85.34	15.56	0.00	-85.34	150	161	Vertical

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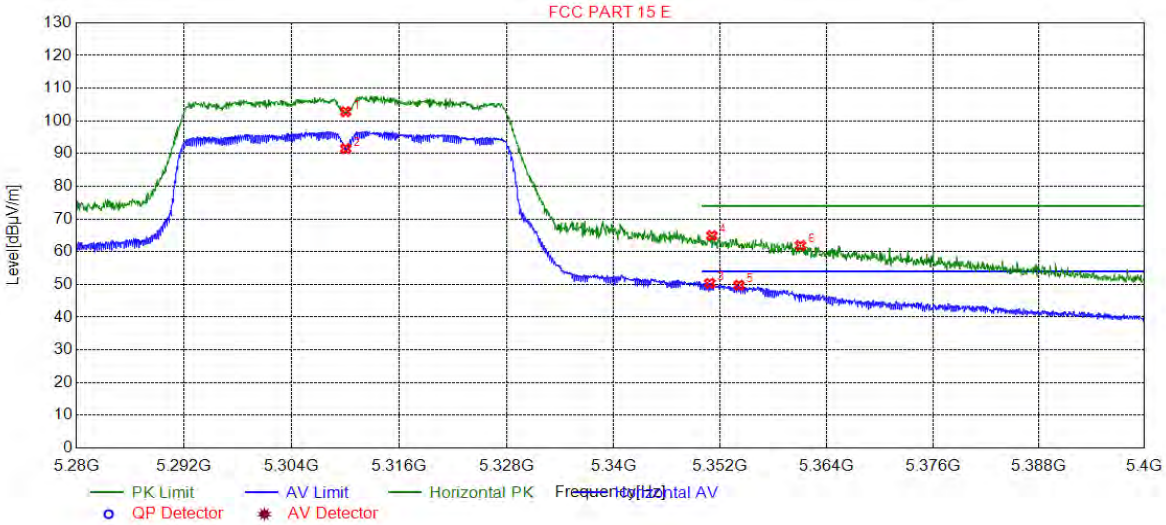
4.11.1.39 802.11N40_Channel 62

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	102.83	15.75	0.00	-102.83	150	248	Horizontal
2	5310.00	91.55	15.75	0.00	-91.55	150	242	Horizontal
3	5350.83	50.37	15.95	54.00	3.63	150	242	Horizontal
4	5351.07	64.95	15.95	74.00	9.05	150	248	Horizontal
5	5354.13	49.78	15.97	54.00	4.22	150	242	Horizontal
6	5361.04	61.92	16.01	74.00	12.08	150	248	Horizontal

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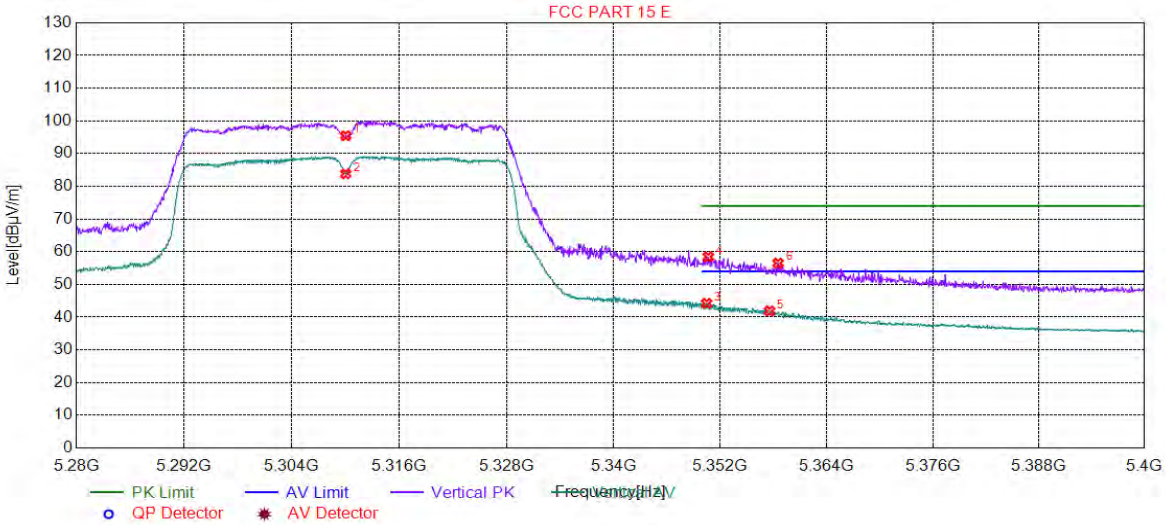
4.11.1.40 802.11N40_Channel 62

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	95.48	15.75	0.00	-95.48	150	158	Vertical
2	5310.00	83.83	15.75	0.00	-83.83	150	165	Vertical
3	5350.47	44.24	15.94	54.00	9.76	150	158	Vertical
4	5350.65	58.46	15.94	74.00	15.54	150	158	Vertical
5	5357.55	41.89	15.99	54.00	12.11	150	158	Vertical
6	5358.51	56.52	15.99	74.00	17.48	150	158	Vertical

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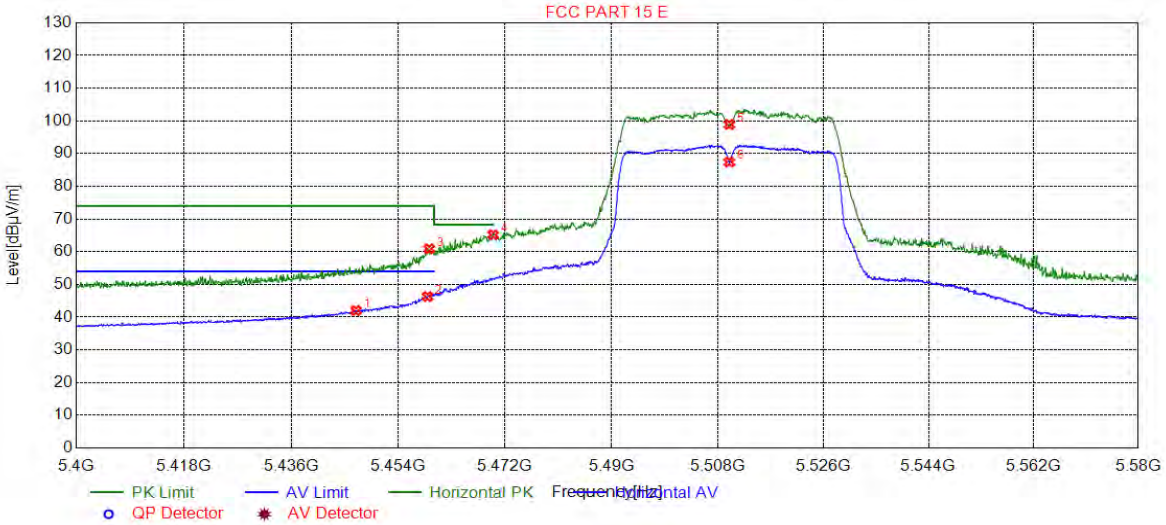
4.11.1.41 802.11N40_Channel 102

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5446.82	42.04	16.25	54.00	11.96	150	238	Horizontal
2	5458.88	46.30	16.25	54.00	7.70	150	244	Horizontal
3	5459.15	60.92	16.25	74.00	13.08	150	256	Horizontal
4	5469.96	65.21	16.25	68.30	3.09	150	231	Horizontal
5	5510.00	98.91	16.28	0.00	-98.91	150	244	Horizontal
6	5510.00	87.45	16.28	0.00	-87.45	150	244	Horizontal

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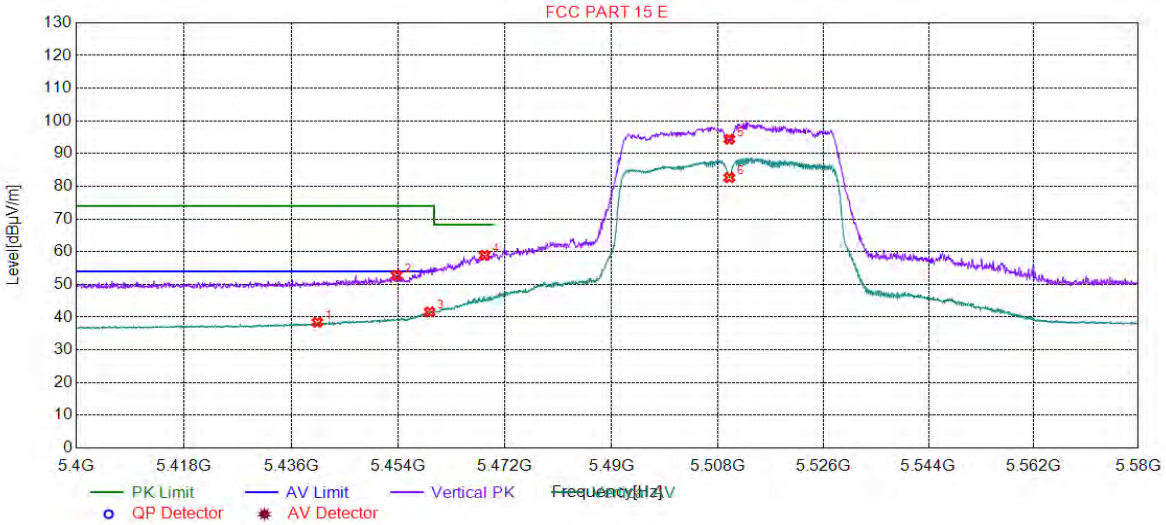
4.11.1.42 802.11N40_Channel 102

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5440.34	38.44	16.25	54.00	15.56	150	74	Vertical
2	5453.66	52.79	16.25	74.00	21.21	150	0	Vertical
3	5459.24	41.62	16.25	54.00	12.38	150	74	Vertical
4	5468.52	58.95	16.25	68.30	9.35	150	152	Vertical
5	5510.00	94.41	16.28	0.00	-94.41	150	74	Vertical
6	5510.00	82.69	16.28	0.00	-82.69	150	74	Vertical

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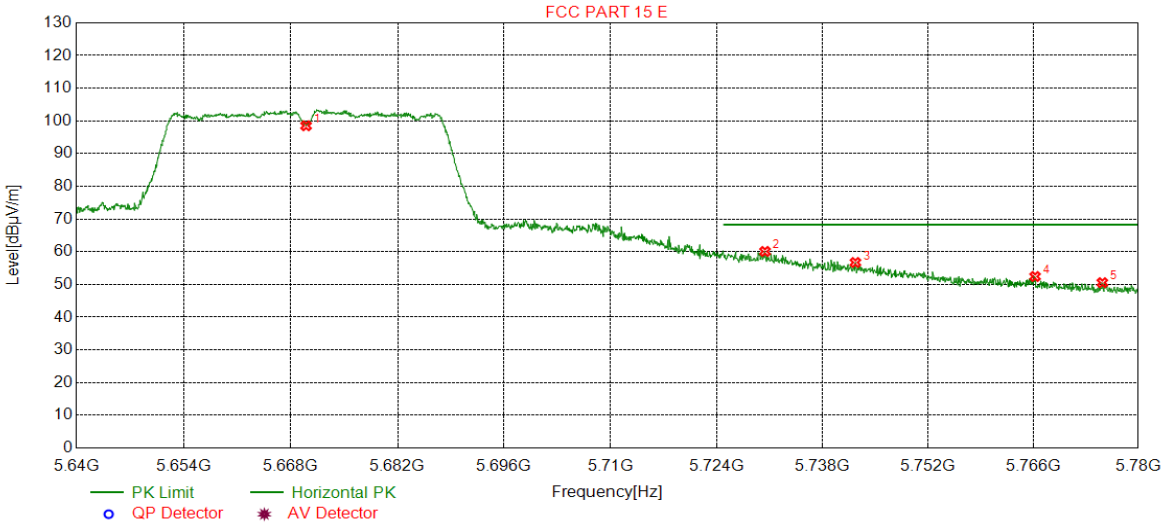
4.11.1.43 802.11N40_Channel 134

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	98.53	16.64	0.00	-98.53	150	260	Horizontal
2	5730.41	60.10	16.99	68.30	8.20	150	260	Horizontal
3	5742.39	56.73	17.07	68.30	11.57	150	260	Horizontal
4	5766.27	52.44	17.14	68.30	15.86	150	256	Horizontal
5	5775.23	50.55	17.16	68.30	17.75	150	265	Horizontal

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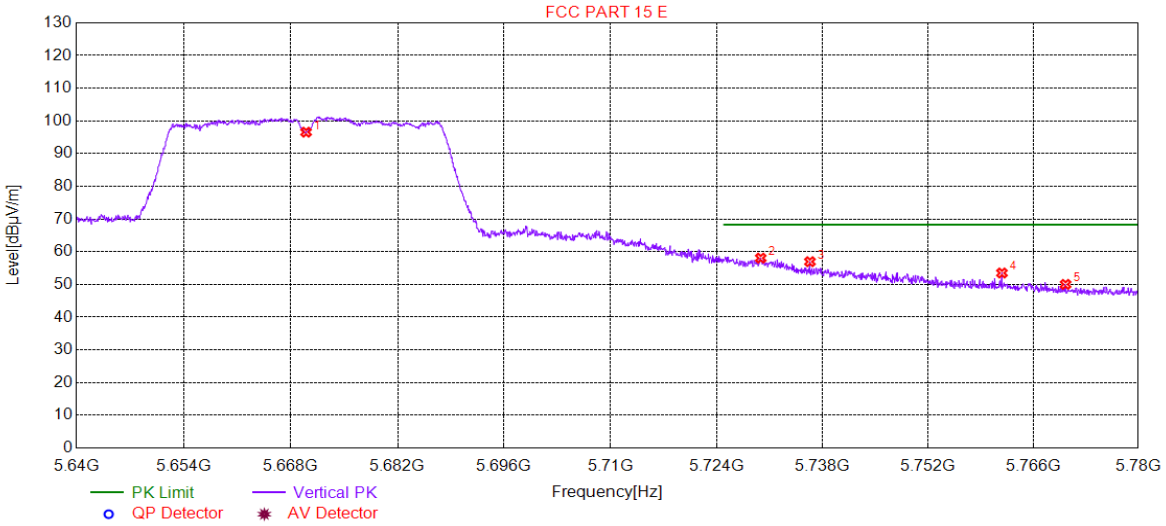
4.11.1.44 802.11N40_Channel 134

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	96.57	16.64	0.00	-96.57	150	46	Vertical
2	5729.85	58.07	16.99	68.30	10.23	150	50	Vertical
3	5736.36	56.97	17.03	68.30	11.33	150	50	Vertical
4	5761.86	53.51	17.14	68.30	14.79	150	46	Vertical
5	5770.33	50.04	17.15	68.30	18.26	150	64	Vertical

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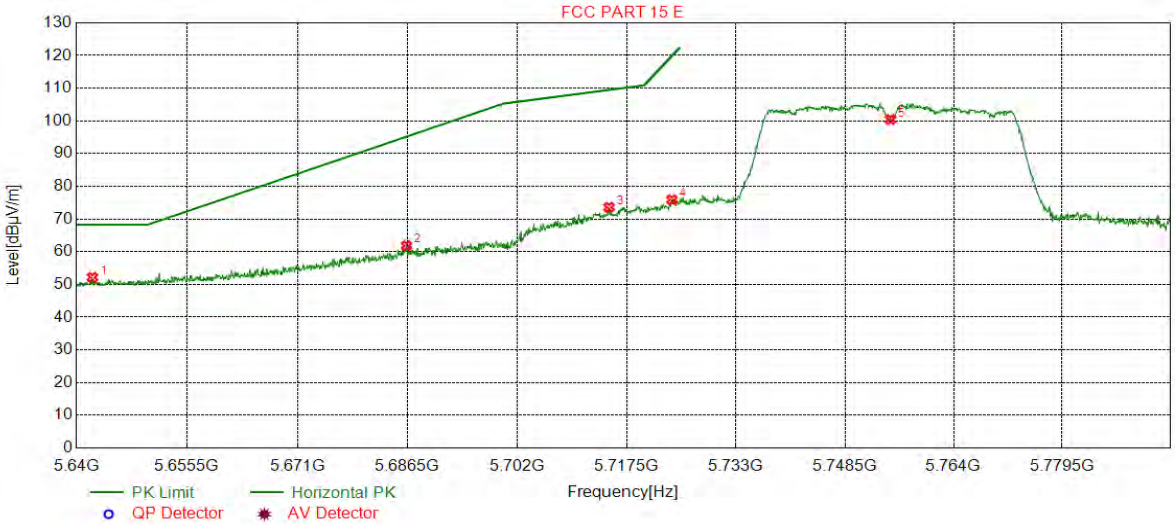
4.11.1.45 802.11N40_Channel 151

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5642.24	52.18	16.54	68.30	16.12	150	268	Horizontal
2	5686.36	61.84	16.73	95.21	33.37	150	245	Horizontal
3	5714.98	73.62	16.90	109.49	35.87	150	241	Horizontal
4	5723.89	75.92	16.95	119.79	43.87	150	259	Horizontal
5	5755.00	100.44	17.13	0.00	-100.44	150	254	Horizontal

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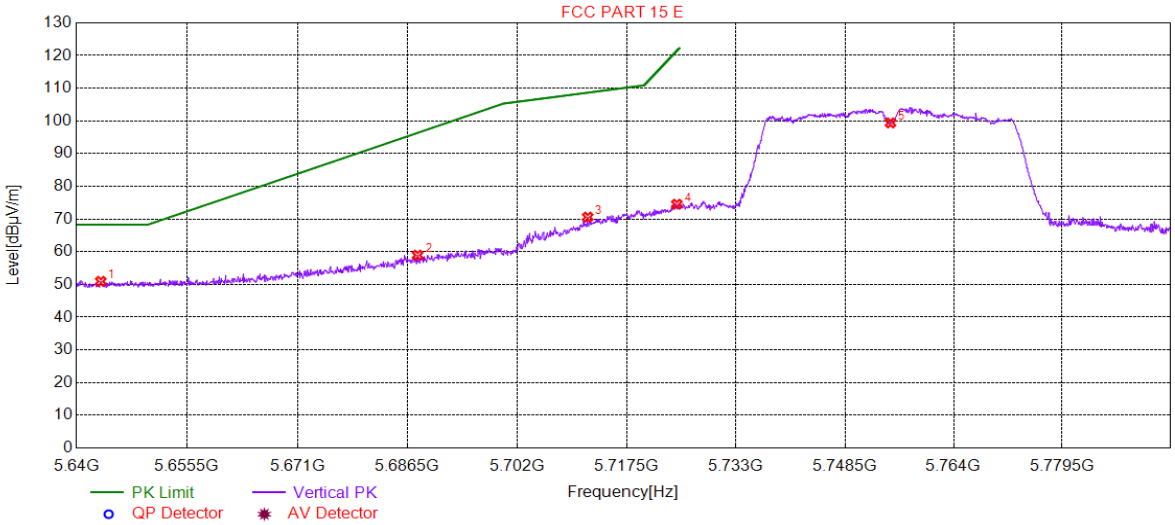
4.11.1.46 802.11N40_Channel 151

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5643.41	50.97	16.54	68.30	17.33	150	207	Vertical
2	5687.91	58.98	16.73	96.36	37.38	150	56	Vertical
3	5711.95	70.60	16.88	108.65	38.05	150	60	Vertical
4	5724.59	74.55	16.96	121.38	46.83	150	56	Vertical
5	5755.00	99.40	17.13	0.00	-99.40	150	51	Vertical

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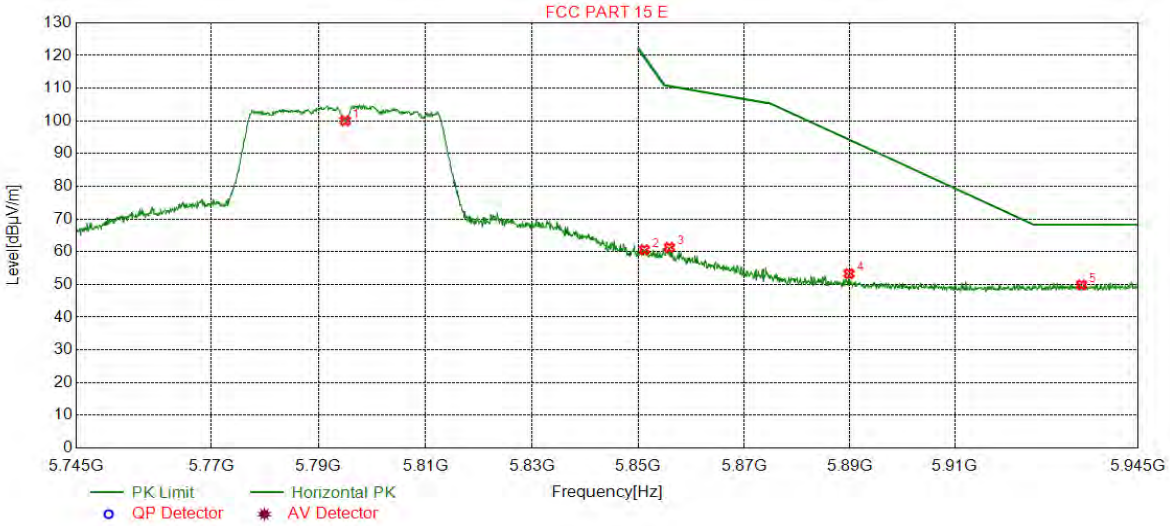
4.11.1.47 802.11N40_Channel 159

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	100.09	17.18	0.00	-100.09	150	264	Horizontal
2	5851.15	60.63	17.26	119.67	59.04	150	260	Horizontal
3	5855.85	61.32	17.24	110.66	49.34	150	260	Horizontal
4	5889.87	53.31	17.14	94.29	40.98	150	264	Horizontal
5	5934.19	49.88	17.64	68.30	18.42	150	310	Horizontal

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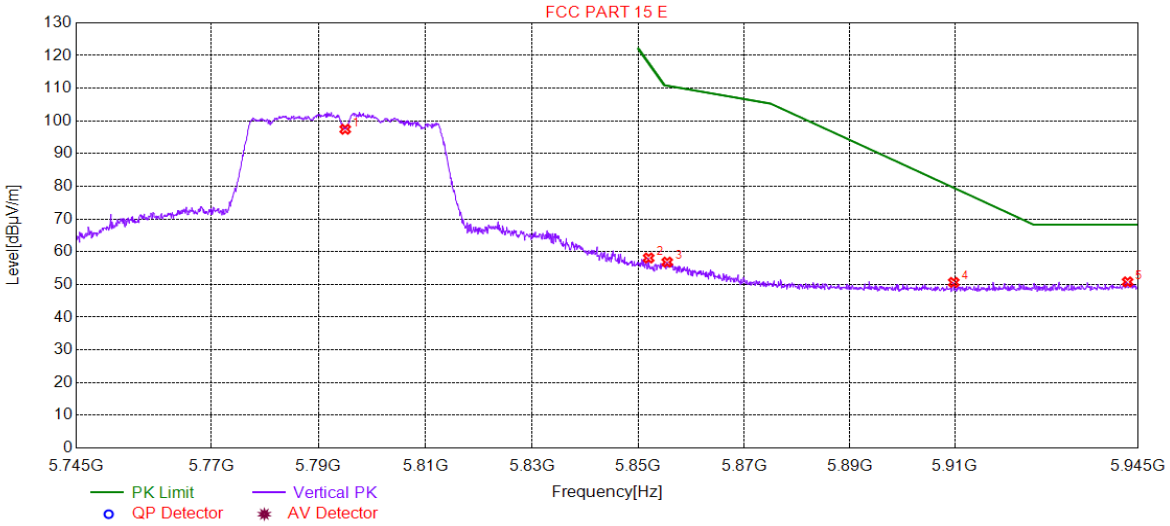
4.11.1.48 802.11N40_Channel 159

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	97.46	17.18	0.00	-97.46	150	50	Vertical
2	5851.95	58.10	17.25	117.85	59.75	150	59	Vertical
3	5855.45	56.85	17.24	110.77	53.92	150	64	Vertical
4	5909.78	50.64	17.26	79.56	28.92	150	119	Vertical
5	5942.99	50.80	17.77	68.30	17.50	150	27	Vertical

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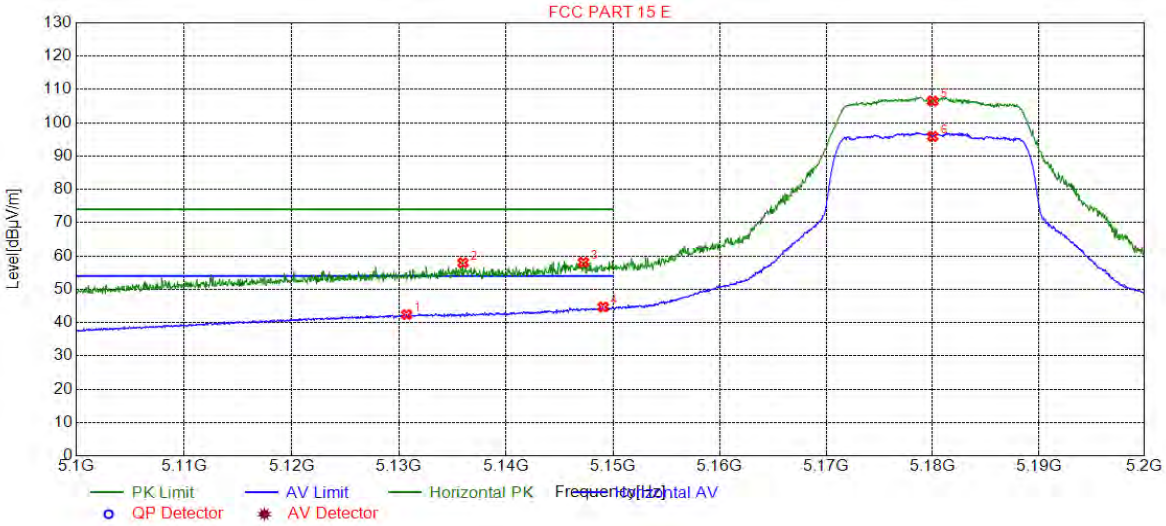
4.11.1.49 802.11AC20_Channel 36

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5130.71	42.44	15.35	54.00	11.56	150	254	Horizontal
2	5135.96	57.98	15.40	74.00	16.02	150	254	Horizontal
3	5147.22	58.13	15.50	74.00	15.87	150	259	Horizontal
4	5149.07	44.71	15.51	54.00	9.29	150	265	Horizontal
5	5180.00	106.51	15.56	0.00	-106.51	150	270	Horizontal
6	5180.00	95.89	15.56	0.00	-95.89	150	254	Horizontal

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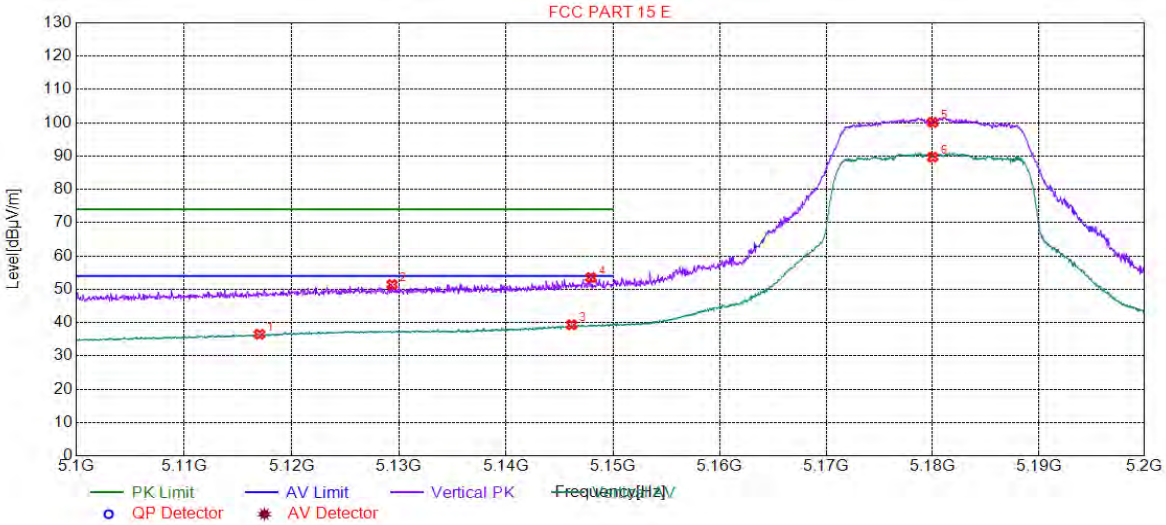
4.11.1.50 802.11AC20_Channel 36

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5117.00	36.52	15.24	54.00	17.48	150	105	Vertical
2	5129.36	51.43	15.34	74.00	22.57	150	66	Vertical
3	5146.12	39.36	15.49	54.00	14.64	150	33	Vertical
4	5147.92	53.54	15.50	74.00	20.46	150	33	Vertical
5	5180.00	100.12	15.56	0.00	-100.12	150	149	Vertical
6	5180.00	89.68	15.56	0.00	-89.68	150	155	Vertical

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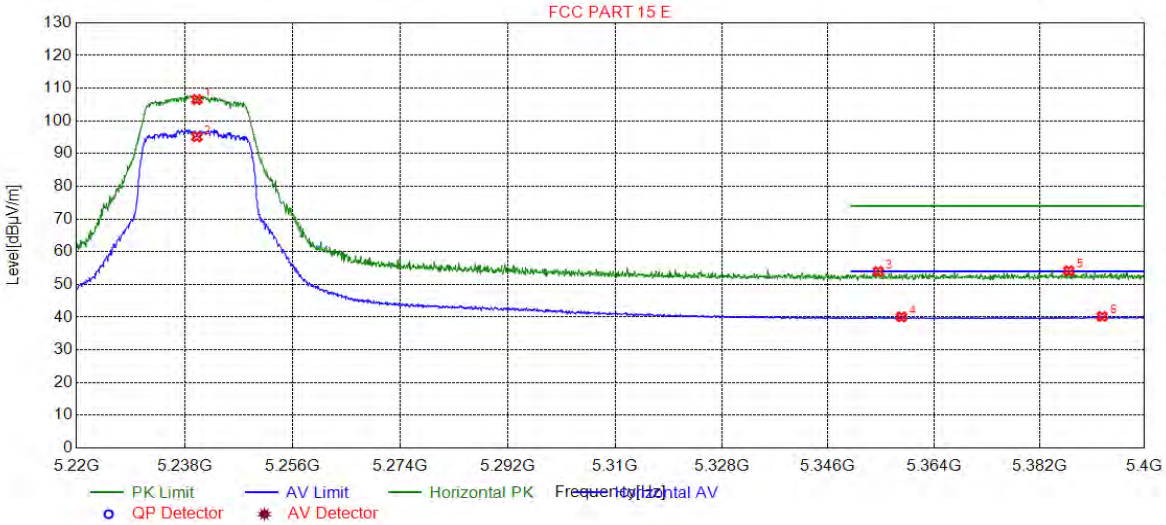
4.11.1.51 802.11AC20_Channel 48

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	106.54	15.49	0.00	-106.54	150	269	Horizontal
2	5240.00	95.13	15.49	0.00	-95.13	150	248	Horizontal
3	5354.52	54.00	15.97	74.00	20.00	150	186	Horizontal
4	5358.48	40.11	15.99	54.00	13.89	150	159	Horizontal
5	5387.03	54.18	16.17	74.00	19.82	150	255	Horizontal
6	5392.70	40.25	16.20	54.00	13.75	150	43	Horizontal

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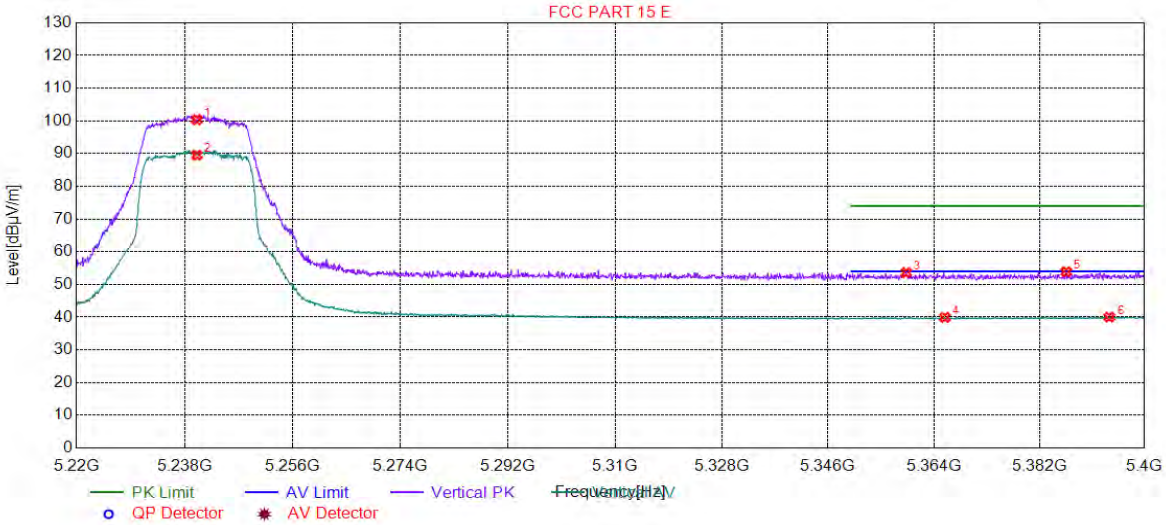
4.11.1.52 802.11AC20_Channel 48

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	100.39	15.49	0.00	-100.39	150	104	Vertical
2	5240.00	89.54	15.49	0.00	-89.54	150	153	Vertical
3	5359.29	53.62	16.00	74.00	20.38	150	201	Vertical
4	5365.87	39.94	16.04	54.00	14.06	150	76	Vertical
5	5386.58	53.88	16.17	74.00	20.12	150	344	Vertical
6	5393.96	40.02	16.21	54.00	13.98	150	49	Vertical

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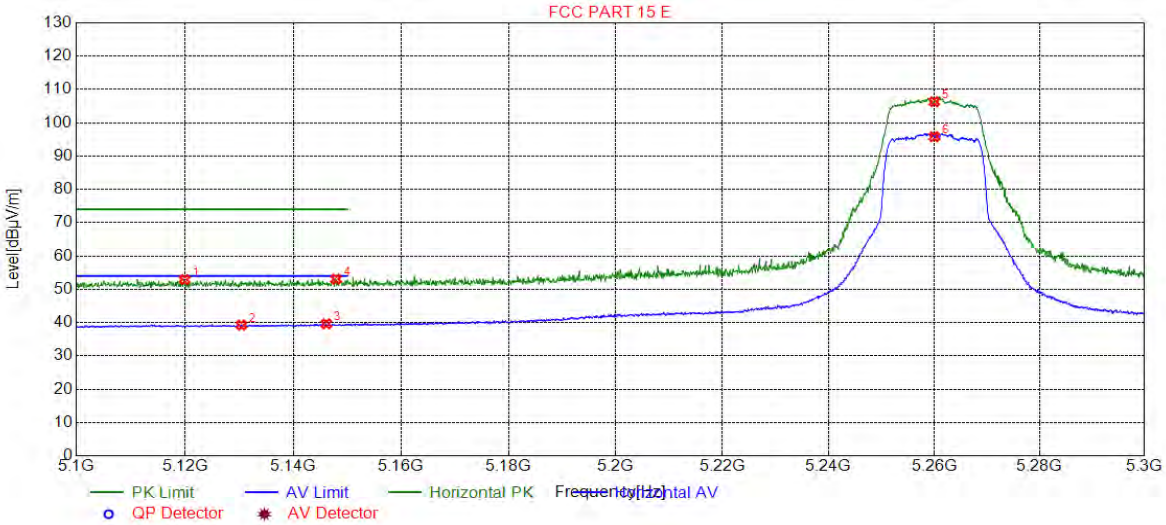
4.11.1.53 802.11AC20_Channel 52

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5119.91	52.94	15.26	74.00	21.06	150	223	Horizontal
2	5130.41	39.29	15.35	54.00	14.71	150	264	Horizontal
3	5146.12	39.66	15.49	54.00	14.34	150	264	Horizontal
4	5147.92	53.09	15.50	74.00	20.91	150	16	Horizontal
5	5260.00	106.32	15.51	0.00	-106.32	150	251	Horizontal
6	5260.00	95.83	15.51	0.00	-95.83	150	264	Horizontal

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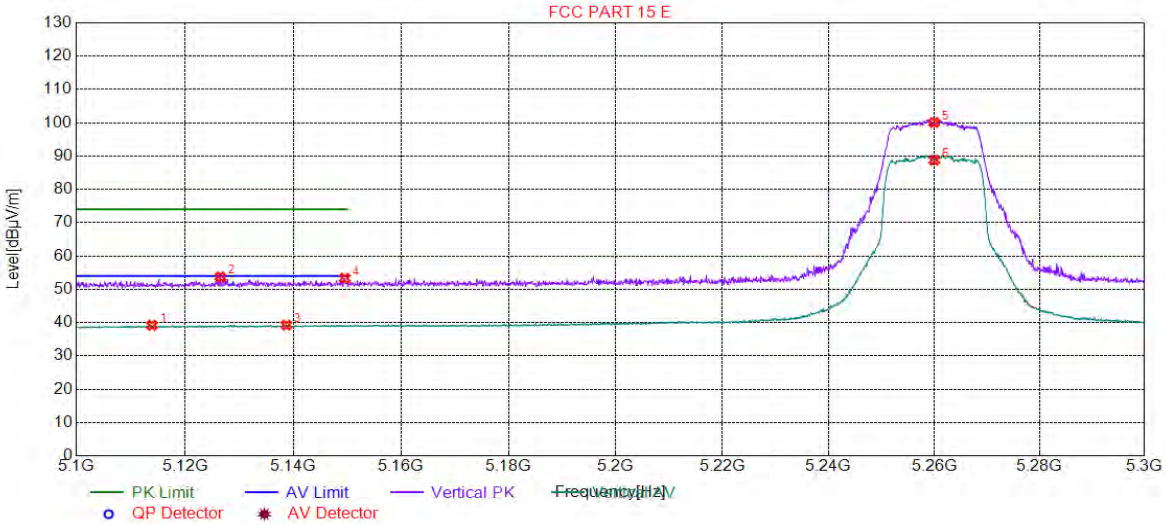
4.11.1.54 802.11AC20_Channel 52

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5113.90	39.23	15.21	54.00	14.77	150	344	Vertical
2	5126.51	53.74	15.32	74.00	20.26	150	249	Vertical
3	5138.71	39.30	15.42	54.00	14.70	150	154	Vertical
4	5149.52	53.33	15.52	74.00	20.67	150	77	Vertical
5	5260.00	100.06	15.51	0.00	-100.06	150	154	Vertical
6	5260.00	88.80	15.51	0.00	-88.80	150	105	Vertical

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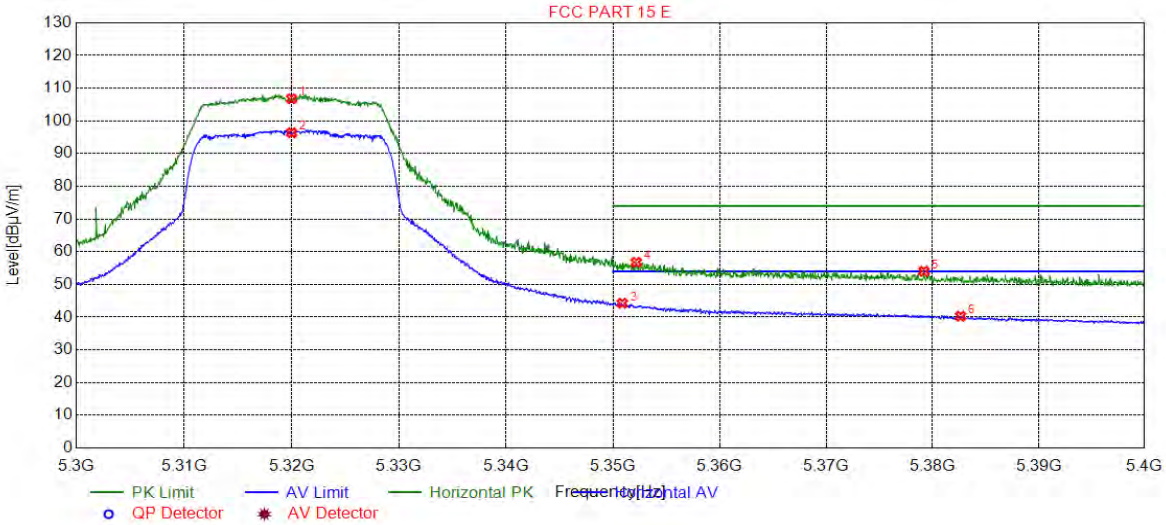
4.11.1.55 802.11AC20_Channel 64

Test Graph



Suspected List

Suspected List								
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1	5320.00	106.78	15.80	0.00	-106.78	150	270	Horizontal
2	5320.00	96.38	15.80	0.00	-96.38	150	270	Horizontal
3	5350.87	44.26	15.95	54.00	9.74	150	270	Horizontal
4	5352.17	56.79	15.95	74.00	17.21	150	270	Horizontal
5	5379.18	54.03	16.12	74.00	19.97	150	249	Horizontal
6	5382.64	40.30	16.14	54.00	13.70	150	270	Horizontal

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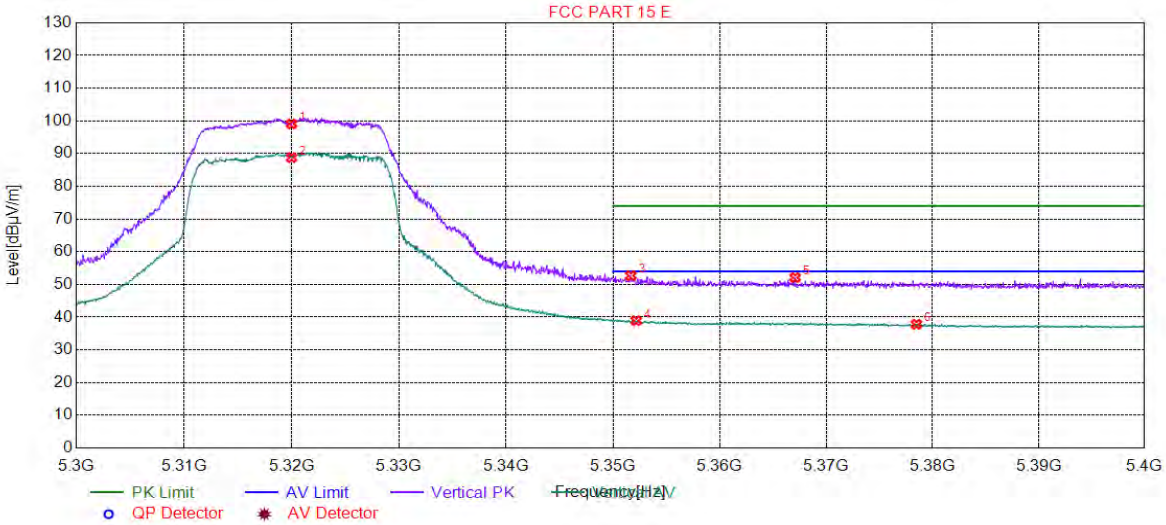
4.11.1.56 802.11AC20_Channel 64

Test Graph



Suspected List

Suspected List								
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1	5320.00	99.08	15.80	0.00	-99.08	150	28	Vertical
2	5320.00	88.78	15.80	0.00	-88.78	150	110	Vertical
3	5351.67	52.70	15.95	74.00	21.30	150	83	Vertical
4	5352.17	38.91	15.95	54.00	15.09	150	90	Vertical
5	5367.08	52.11	16.05	74.00	21.89	150	83	Vertical
6	5378.48	37.84	16.12	54.00	16.16	150	83	Vertical

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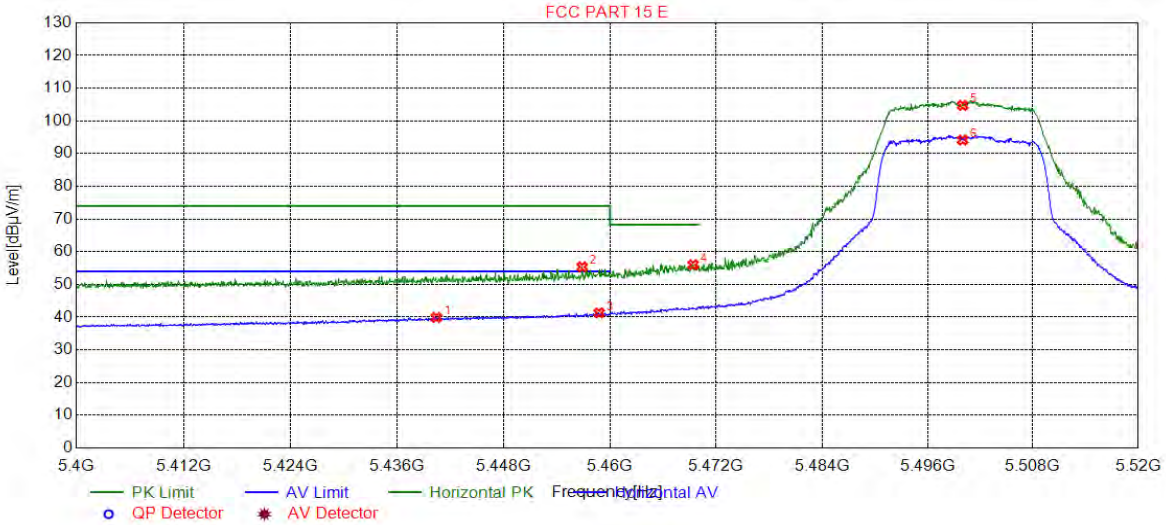
4.11.1.57 802.11AC20_Channel 100

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5440.40	39.91	16.25	54.00	14.09	150	265	Horizontal
2	5456.84	55.36	16.25	74.00	18.64	150	265	Horizontal
3	5458.76	41.31	16.25	54.00	12.69	150	265	Horizontal
4	5469.39	56.03	16.25	68.30	12.27	150	270	Horizontal
5	5500.00	104.75	16.25	0.00	-104.75	150	265	Horizontal
6	5500.00	94.15	16.25	0.00	-94.15	150	265	Horizontal

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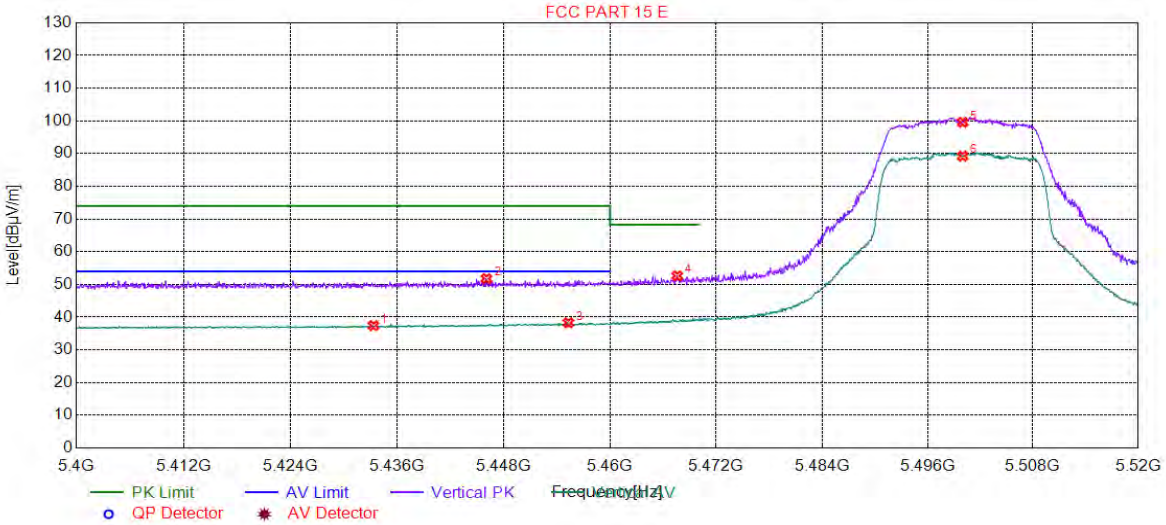
4.11.1.58 802.11AC20_Channel 100

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5433.31	37.42	16.25	54.00	16.58	150	89	Vertical
2	5446.04	51.80	16.25	74.00	22.20	150	84	Vertical
3	5455.28	38.29	16.25	54.00	15.71	150	89	Vertical
4	5467.59	52.64	16.25	68.30	15.66	150	34	Vertical
5	5500.00	99.60	16.25	0.00	-99.60	150	89	Vertical
6	5500.00	89.26	16.25	0.00	-89.26	150	95	Vertical

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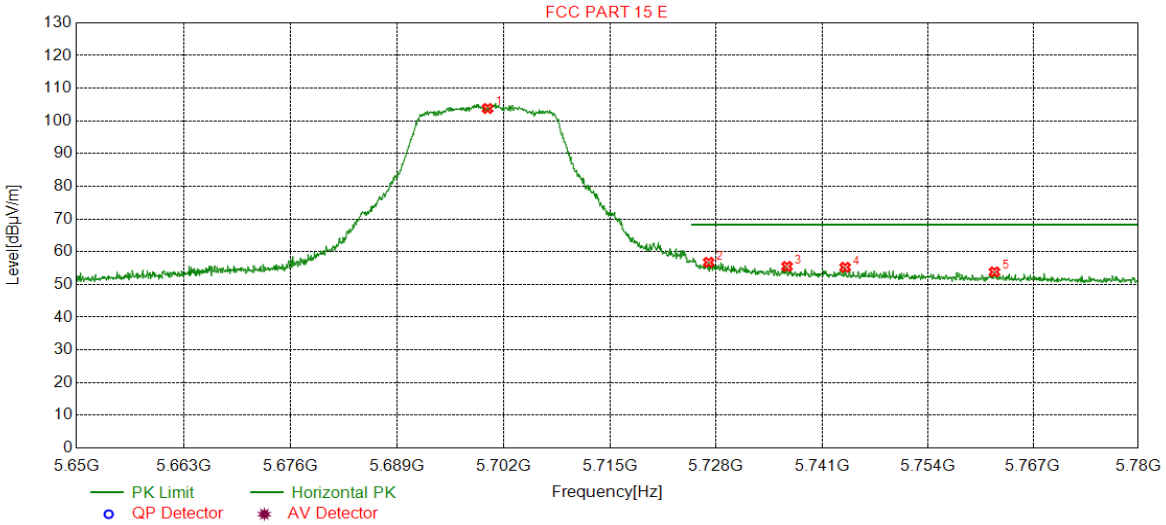
4.11.1.59 802.11AC20_Channel 140

Test Graph



Suspected List

Suspected List								
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1	5700.00	103.81	16.80	0.00	-103.81	150	266	Horizontal
2	5727.06	56.77	16.97	68.30	11.53	150	266	Horizontal
3	5736.68	55.52	17.03	68.30	12.78	150	266	Horizontal
4	5743.84	55.26	17.08	68.30	13.04	150	353	Horizontal
5	5762.24	53.85	17.14	68.30	14.45	150	270	Horizontal

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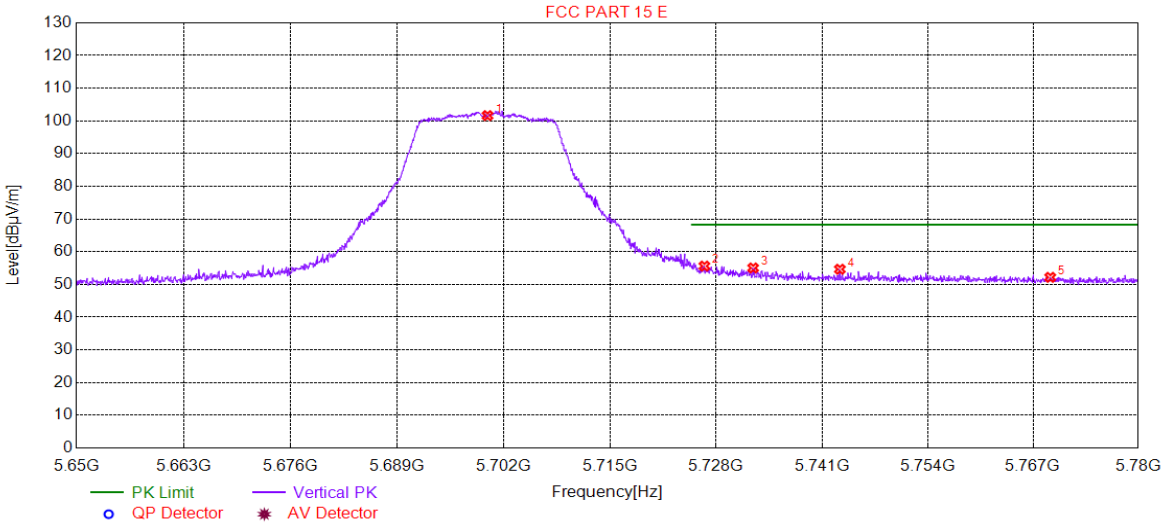
4.11.1.60 802.11AC20_Channel 140

Test Graph



Suspected List

Suspected List								
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1	5700.00	101.64	16.80	0.00	-101.64	150	59	Vertical
2	5726.54	55.63	16.97	68.30	12.67	150	59	Vertical
3	5732.52	55.05	17.01	68.30	13.25	150	64	Vertical
4	5743.19	54.66	17.08	68.30	13.64	150	68	Vertical
5	5769.13	52.19	17.15	68.30	16.11	150	8	Vertical

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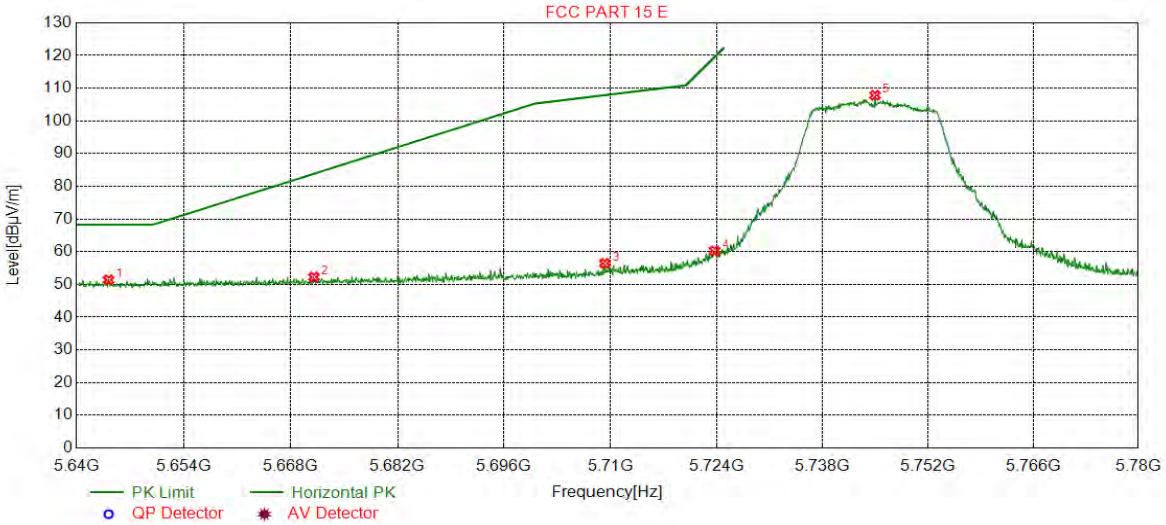
4.11.1.61 802.11AC20_Channel 149

Test Graph



Suspected List

Suspected List								
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1	5644.20	51.42	16.54	68.30	16.88	150	199	Horizontal
2	5671.02	52.27	16.64	83.86	31.59	150	258	Horizontal
3	5709.26	56.44	16.86	107.89	51.45	150	52	Horizontal
4	5723.76	60.28	16.95	119.48	59.20	150	267	Horizontal
5	5745.00	107.86	17.09	0.00	-107.86	150	267	Horizontal

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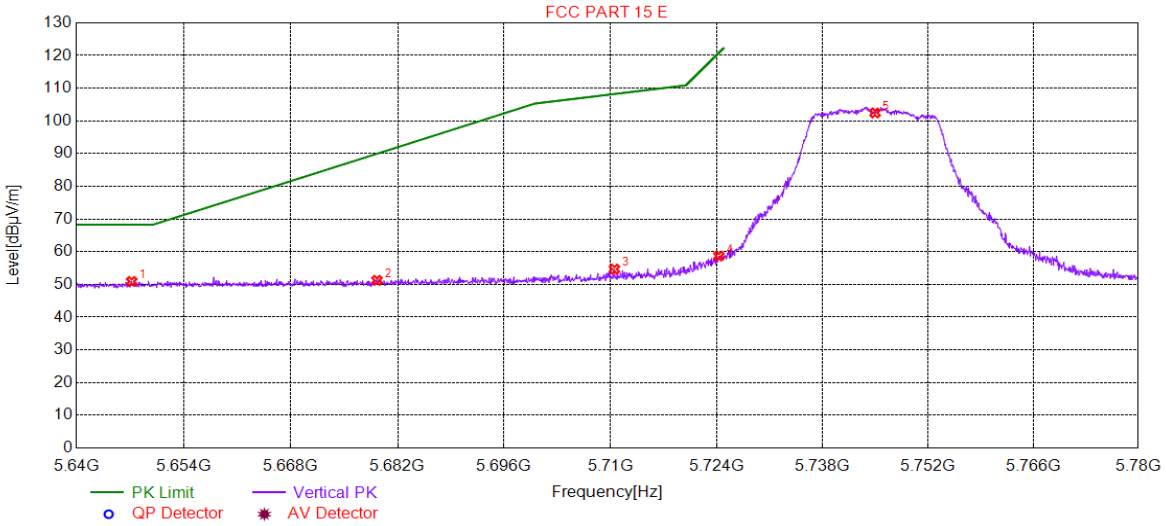
4.11.1.62 802.11AC20_Channel 149

Test Graph



Suspected List

Suspected List								
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1	5647.21	50.93	16.53	68.30	17.37	150	344	Vertical
2	5679.28	51.26	16.69	89.97	38.71	150	78	Vertical
3	5710.52	54.71	16.87	108.25	53.54	150	68	Vertical
4	5724.32	58.70	16.96	120.75	62.05	150	59	Vertical
5	5745.00	102.45	17.09	0.00	-102.45	150	64	Vertical

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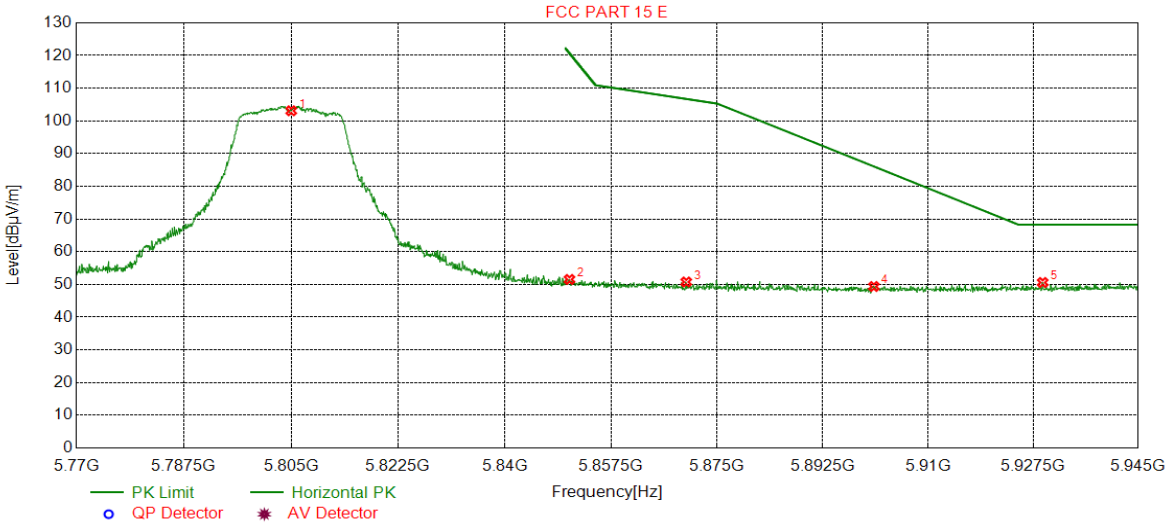
4.11.1.63 802.11AC20_Channel 161

Test Graph



Suspected List

Suspected List								
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1	5805.00	103.11	17.20	0.00	-103.11	150	61	Horizontal
2	5850.62	51.55	17.26	120.87	69.32	150	238	Horizontal
3	5869.88	50.77	17.20	106.73	55.96	150	93	Horizontal
4	5900.96	49.39	17.12	86.09	36.70	150	43	Horizontal
5	5929.06	50.61	17.56	68.30	17.69	150	184	Horizontal

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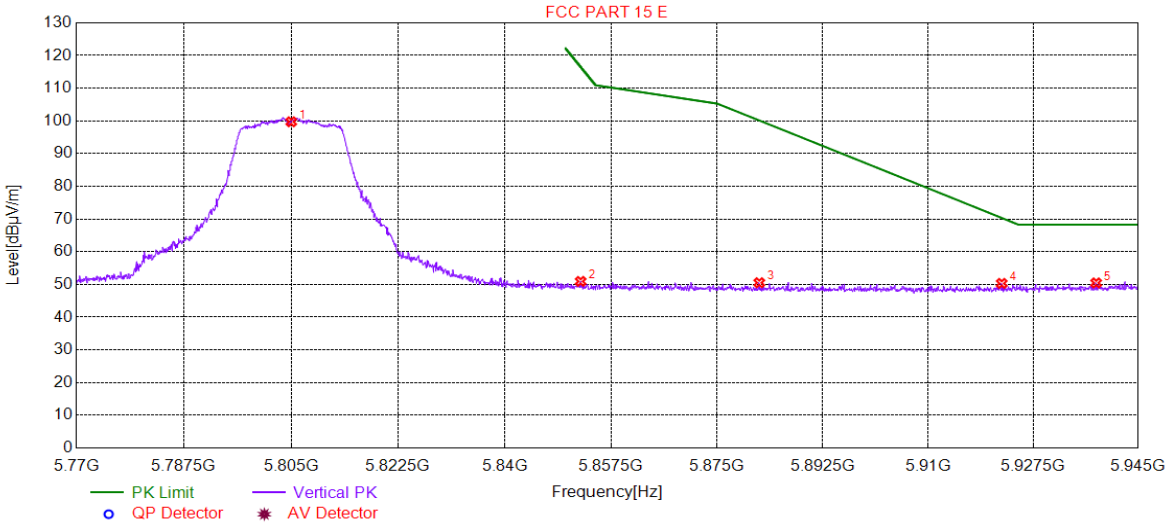
4.11.1.64 802.11AC20_Channel 161

Test Graph



Suspected List

Suspected List								
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1	5805.00	99.75	17.20	0.00	-99.75	150	41	Vertical
2	5852.46	50.95	17.25	116.68	65.73	150	51	Vertical
3	5881.96	50.54	17.16	100.14	49.60	150	96	Vertical
4	5922.23	50.33	17.45	70.34	20.01	150	128	Vertical
5	5937.99	50.48	17.70	68.30	17.82	150	265	Vertical

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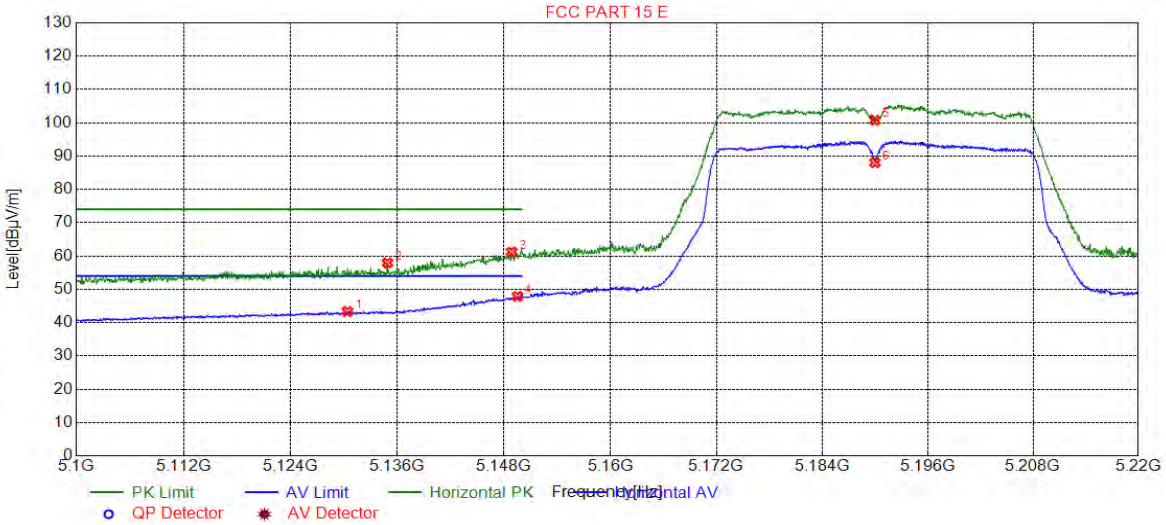
4.11.1.65 802.11AC40_Channel 38

Test Graph



Suspected List

Suspected List								
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1	5130.37	43.36	15.35	54.00	10.64	150	267	Horizontal
2	5134.87	57.95	15.39	74.00	16.05	150	256	Horizontal
3	5148.86	61.22	15.51	74.00	12.78	150	267	Horizontal
4	5149.52	47.91	15.52	54.00	6.09	150	256	Horizontal
5	5190.00	100.74	15.58	0.00	-100.74	150	256	Horizontal
6	5190.00	88.04	15.58	0.00	-88.04	150	262	Horizontal

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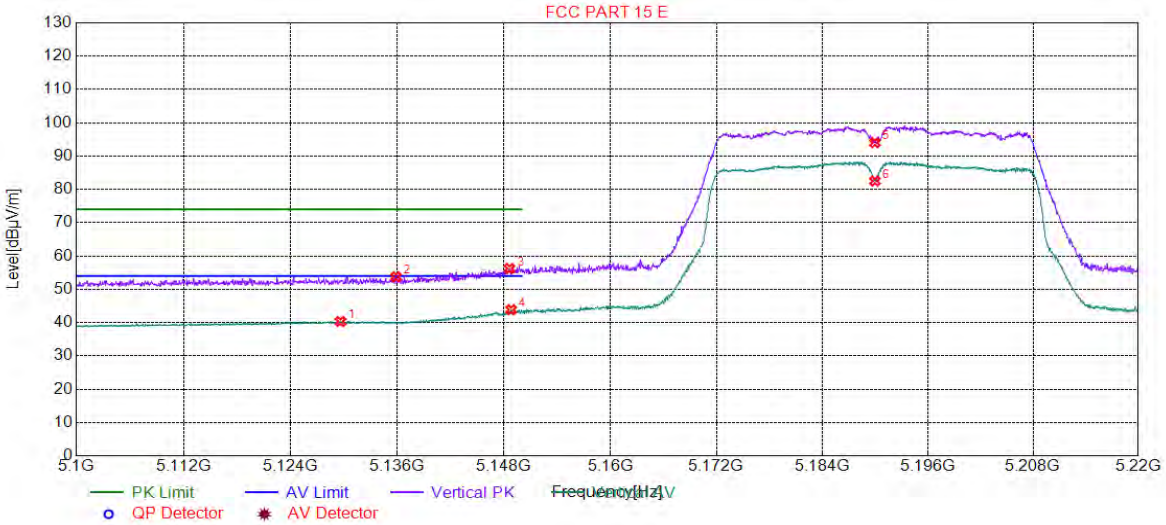
4.11.1.66 802.11AC40_Channel 38

Test Graph



Suspected List

Suspected List								
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1	5129.59	40.35	15.34	54.00	13.65	150	72	Vertical
2	5135.83	53.77	15.40	74.00	20.23	150	99	Vertical
3	5148.62	56.27	15.51	74.00	17.73	150	29	Vertical
4	5148.80	43.88	15.51	54.00	10.12	150	34	Vertical
5	5190.00	94.00	15.58	0.00	-94.00	150	154	Vertical
6	5190.00	82.50	15.58	0.00	-82.50	150	34	Vertical

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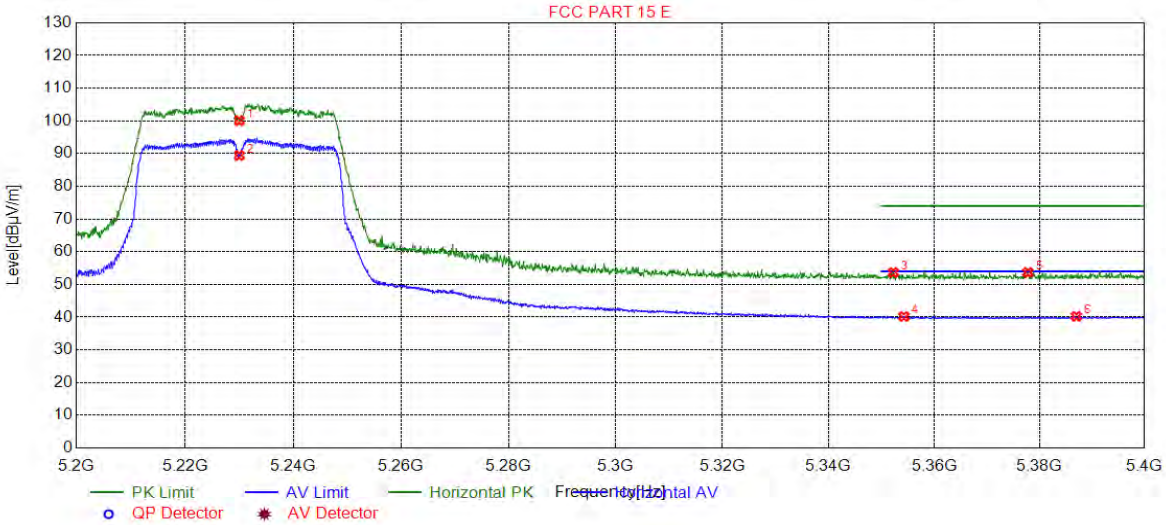
4.11.1.67 802.11AC40_Channel 46

Test Graph



Suspected List

Suspected List								
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1	5230.00	100.10	15.51	0.00	-100.10	150	255	Horizontal
2	5230.00	89.45	15.51	0.00	-89.45	150	269	Horizontal
3	5352.27	53.67	15.95	74.00	20.33	150	132	Horizontal
4	5354.27	40.23	15.97	54.00	13.77	150	269	Horizontal
5	5377.78	53.69	16.11	74.00	20.31	150	125	Horizontal
6	5386.99	40.27	16.17	54.00	13.73	150	29	Horizontal

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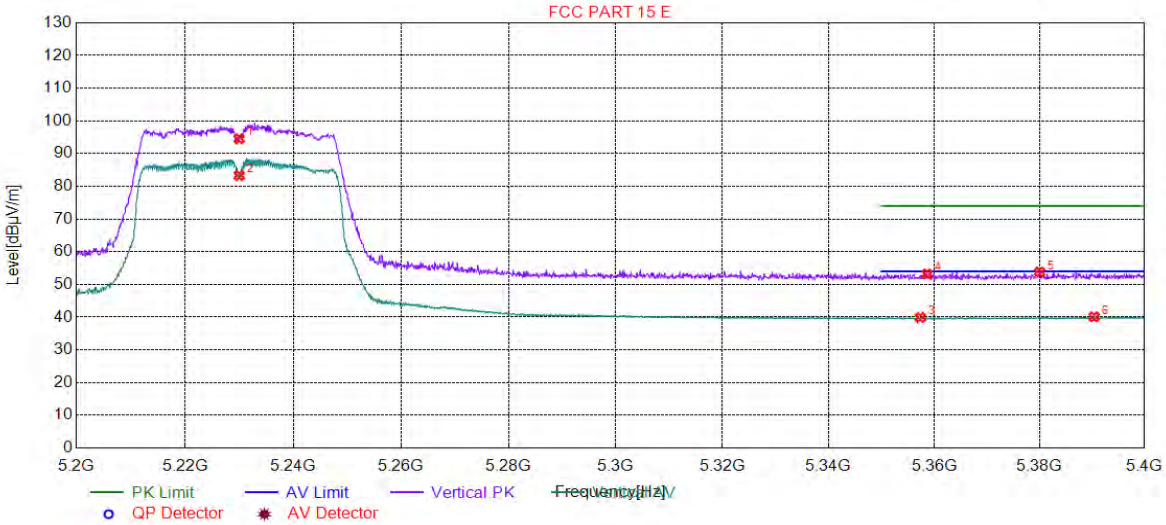
4.11.1.68 802.11AC40_Channel 46

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	94.56	15.51	0.00	-94.56	150	153	Vertical
2	5230.00	83.31	15.51	0.00	-83.31	150	153	Vertical
3	5357.37	39.92	15.99	54.00	14.08	150	56	Vertical
4	5358.67	53.22	15.99	74.00	20.78	150	194	Vertical
5	5379.99	53.79	16.13	74.00	20.21	150	0	Vertical
6	5390.39	40.11	16.19	54.00	13.89	150	22	Vertical

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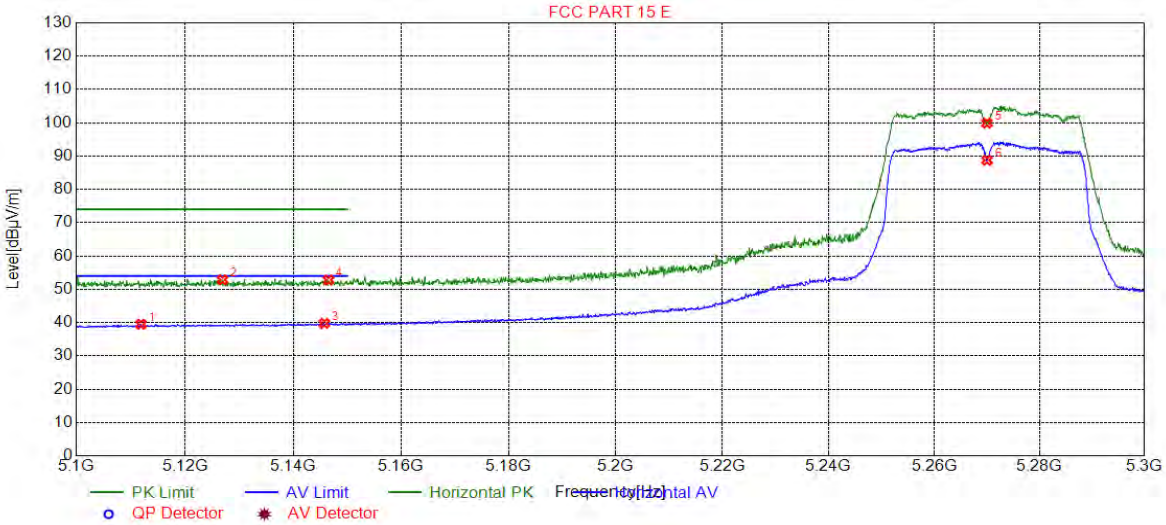
4.11.1.69 802.11AC40_Channel 54

Test Graph



Suspected List

Suspected List								
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1	5111.90	39.54	15.19	54.00	14.46	150	249	Horizontal
2	5126.91	52.87	15.32	74.00	21.13	150	16	Horizontal
3	5145.72	39.79	15.48	54.00	14.21	150	262	Horizontal
4	5146.52	52.81	15.49	74.00	21.19	150	262	Horizontal
5	5270.00	99.90	15.56	0.00	-99.90	150	249	Horizontal
6	5270.00	88.76	15.56	0.00	-88.76	150	256	Horizontal

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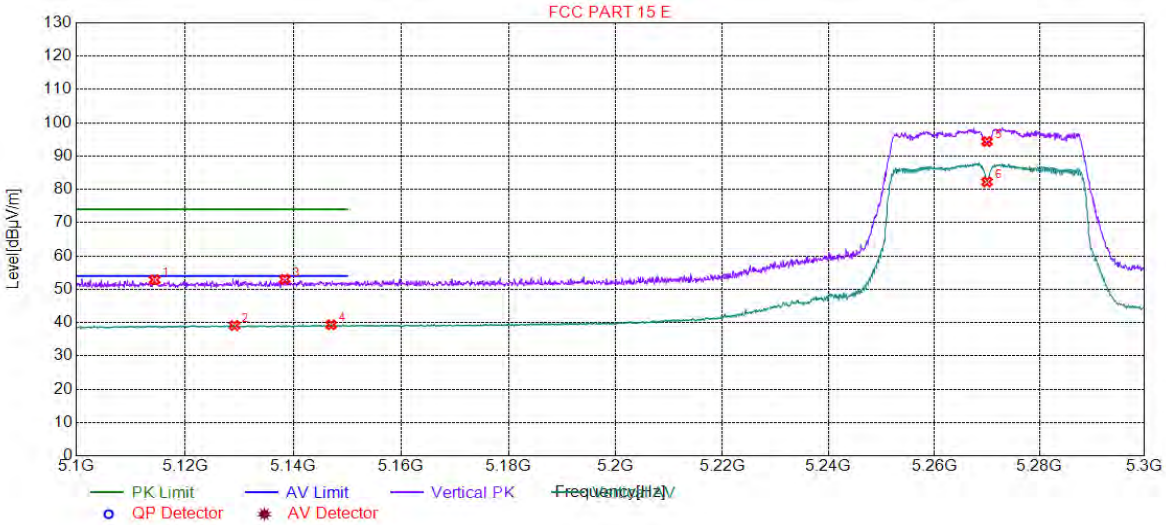
4.11.1.70 802.11AC40_Channel 54

Test Graph



Suspected List

Suspected List								
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1	5114.40	52.83	15.21	74.00	21.17	150	332	Vertical
2	5129.11	39.14	15.34	54.00	14.86	150	44	Vertical
3	5138.41	53.04	15.42	74.00	20.96	150	38	Vertical
4	5147.02	39.36	15.49	54.00	14.64	150	11	Vertical
5	5270.00	94.35	15.56	0.00	-94.35	150	154	Vertical
6	5270.00	82.27	15.56	0.00	-82.27	150	161	Vertical

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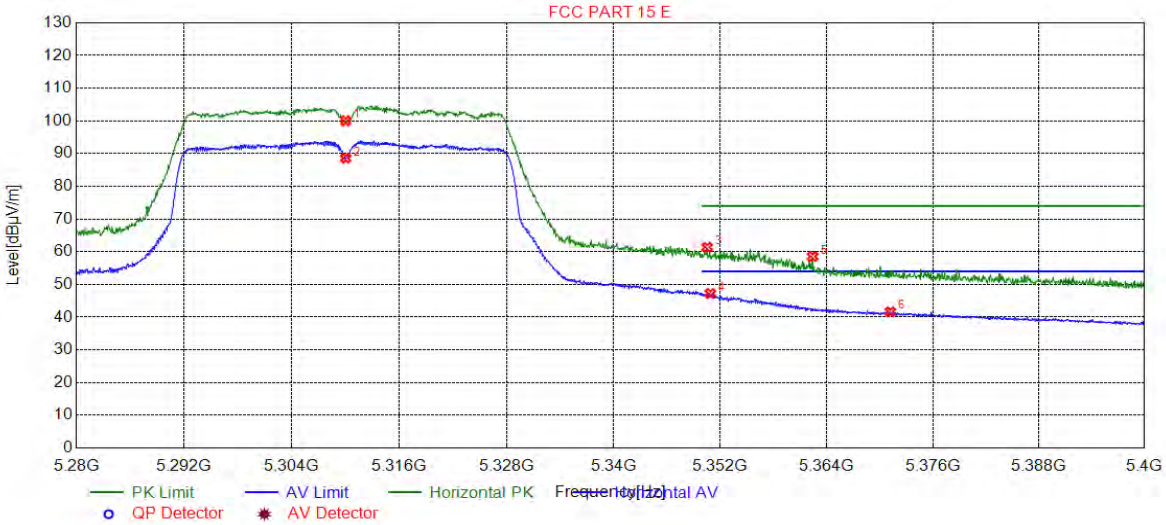
4.11.1.71 802.11AC40_Channel 62

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	100.06	15.75	0.00	-100.06	150	257	Horizontal
2	5310.00	88.60	15.75	0.00	-88.60	150	250	Horizontal
3	5350.53	61.40	15.94	74.00	12.60	150	271	Horizontal
4	5350.89	47.26	15.95	54.00	6.74	150	271	Horizontal
5	5362.42	58.55	16.02	74.00	15.45	150	271	Horizontal
6	5371.18	41.62	16.07	54.00	12.38	150	250	Horizontal

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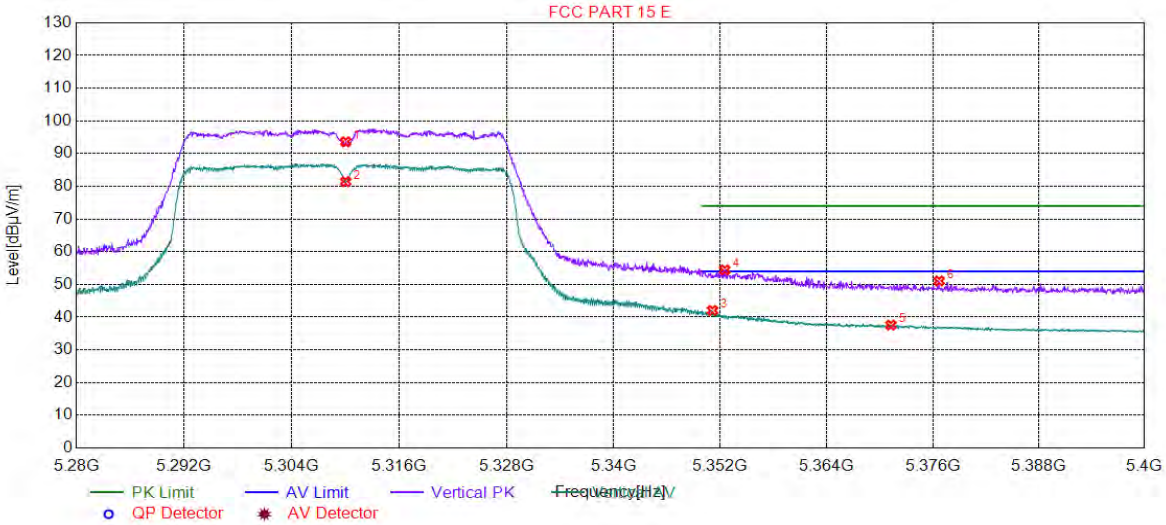
4.11.1.72 802.11AC40_Channel 62

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	93.63	15.75	0.00	-93.63	150	84	Vertical
2	5310.00	81.44	15.75	0.00	-81.44	150	91	Vertical
3	5351.13	42.07	15.95	54.00	11.93	150	84	Vertical
4	5352.51	54.48	15.96	74.00	19.52	150	29	Vertical
5	5371.24	37.59	16.07	54.00	16.41	150	84	Vertical
6	5376.70	51.08	16.11	74.00	22.92	150	50	Vertical

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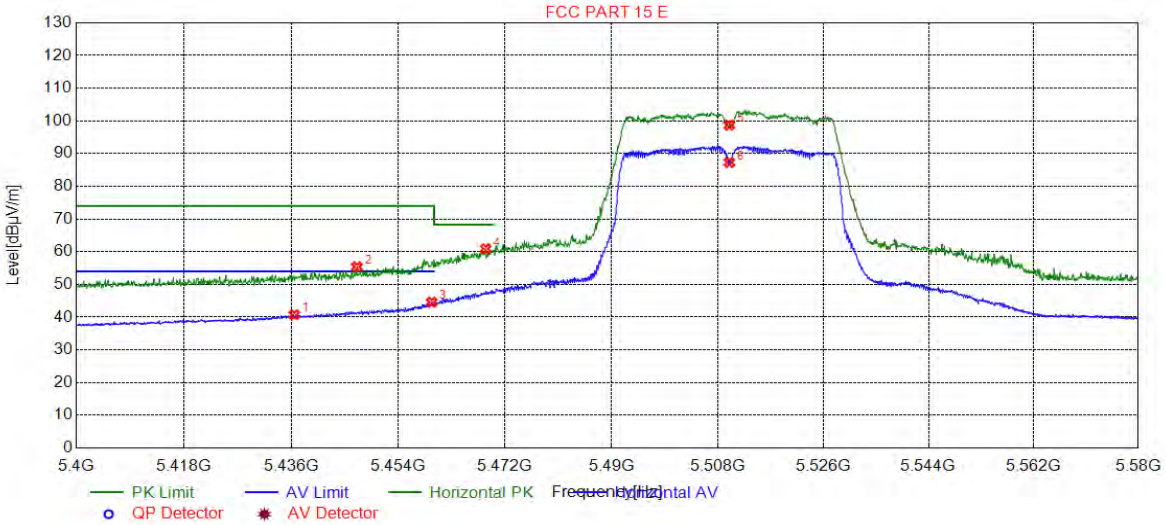
4.11.1.73 802.11AC40_Channel 102

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5436.46	40.74	16.25	54.00	13.26	150	270	Horizontal
2	5447.00	55.39	16.25	74.00	18.61	150	263	Horizontal
3	5459.60	44.59	16.25	54.00	9.41	150	270	Horizontal
4	5468.70	60.92	16.25	68.30	7.38	150	243	Horizontal
5	5510.00	98.73	16.28	0.00	-98.73	150	270	Horizontal
6	5510.00	87.31	16.28	0.00	-87.31	150	270	Horizontal

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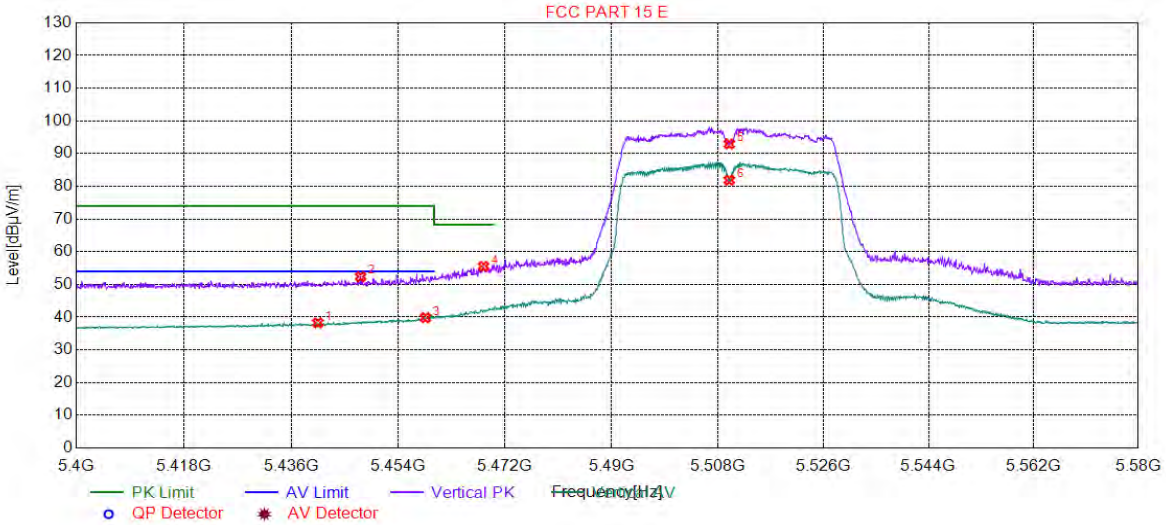
4.11.1.74 802.11AC40_Channel 102

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5440.43	38.27	16.25	54.00	15.73	150	90	Vertical
2	5447.63	52.39	16.25	74.00	21.61	150	97	Vertical
3	5458.52	39.82	16.25	54.00	14.18	150	90	Vertical
4	5468.34	55.53	16.25	68.30	12.77	150	324	Vertical
5	5510.00	92.96	16.28	0.00	-92.96	150	90	Vertical
6	5510.00	81.91	16.28	0.00	-81.91	150	90	Vertical

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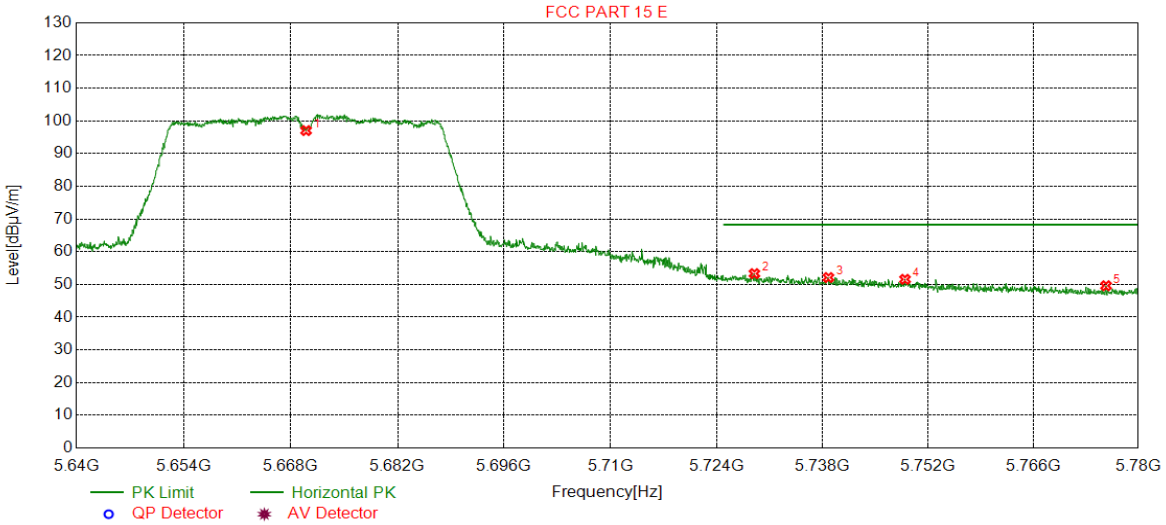
4.11.1.75 802.11AC40_Channel 134

Test Graph



Suspected List

Suspected List								
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1	5670.00	97.06	16.64	0.00	-97.06	150	244	Horizontal
2	5729.01	53.33	16.99	68.30	14.97	150	266	Horizontal
3	5738.81	52.13	17.05	68.30	16.17	150	266	Horizontal
4	5748.97	51.58	17.11	68.30	16.72	150	262	Horizontal
5	5775.72	49.62	17.16	68.30	18.68	150	52	Horizontal

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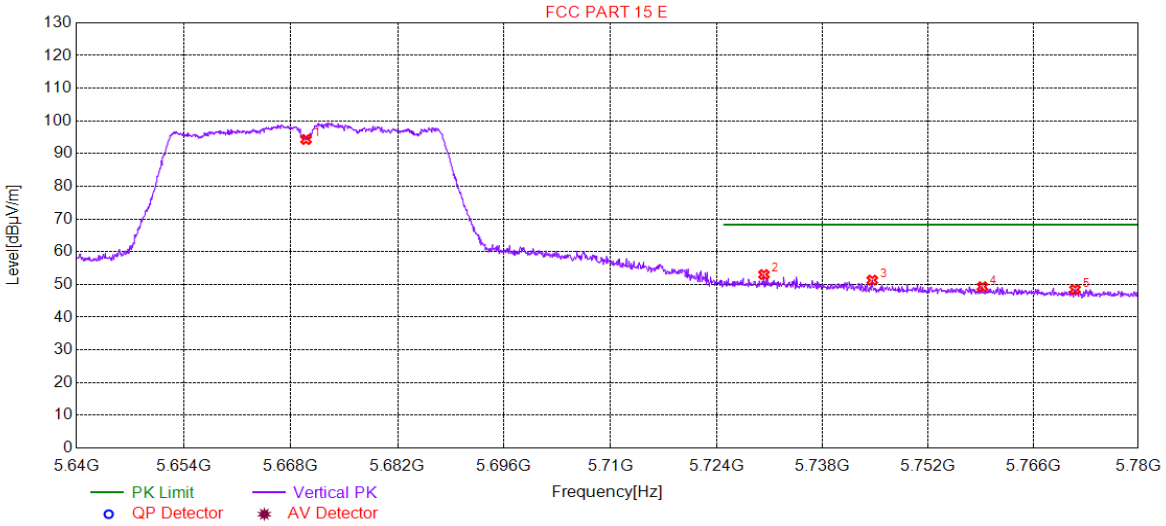
4.11.1.76 802.11AC40_Channel 134

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	94.33	16.64	0.00	-94.33	150	60	Vertical
2	5730.27	53.03	16.99	68.30	15.27	150	60	Vertical
3	5744.63	51.32	17.09	68.30	16.98	150	60	Vertical
4	5759.26	49.31	17.13	68.30	18.99	150	55	Vertical
5	5771.59	48.45	17.15	68.30	19.85	150	92	Vertical

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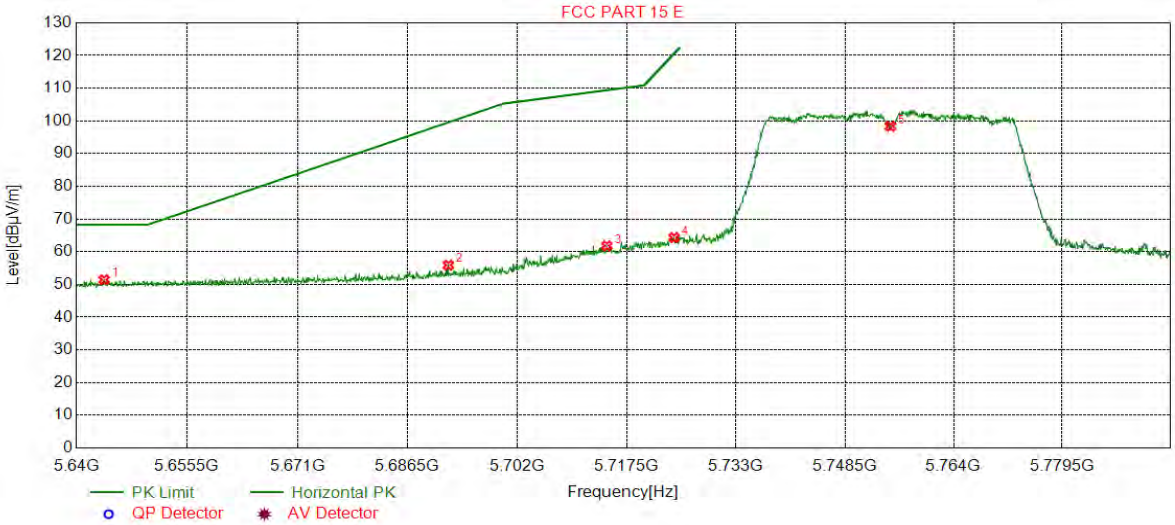
4.11.1.77 802.11AC40_Channel 151

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5643.87	51.46	16.54	68.30	16.84	150	62	Horizontal
2	5692.26	55.89	16.76	99.57	43.68	150	264	Horizontal
3	5714.66	61.82	16.89	109.41	47.59	150	268	Horizontal
4	5724.20	64.33	16.95	120.49	56.16	150	264	Horizontal
5	5755.00	98.33	17.13	0.00	-98.33	150	268	Horizontal

Final Data List

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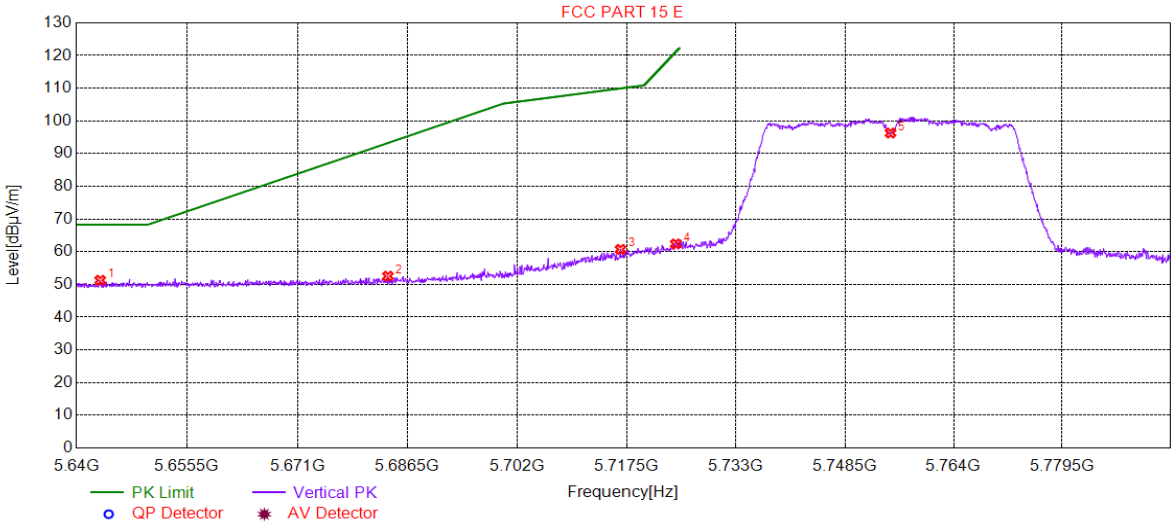
4.11.1.78 802.11AC40_Channel 151

Test Graph



Suspected List

Suspected List								
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1	5643.33	51.30	16.54	68.30	17.00	150	157	Vertical
2	5683.73	52.55	16.71	93.26	40.71	150	97	Vertical
3	5716.60	60.72	16.91	109.95	49.23	150	60	Vertical
4	5724.43	62.39	16.96	121.02	58.63	150	60	Vertical
5	5755.00	96.31	17.13	0.00	-96.31	150	65	Vertical

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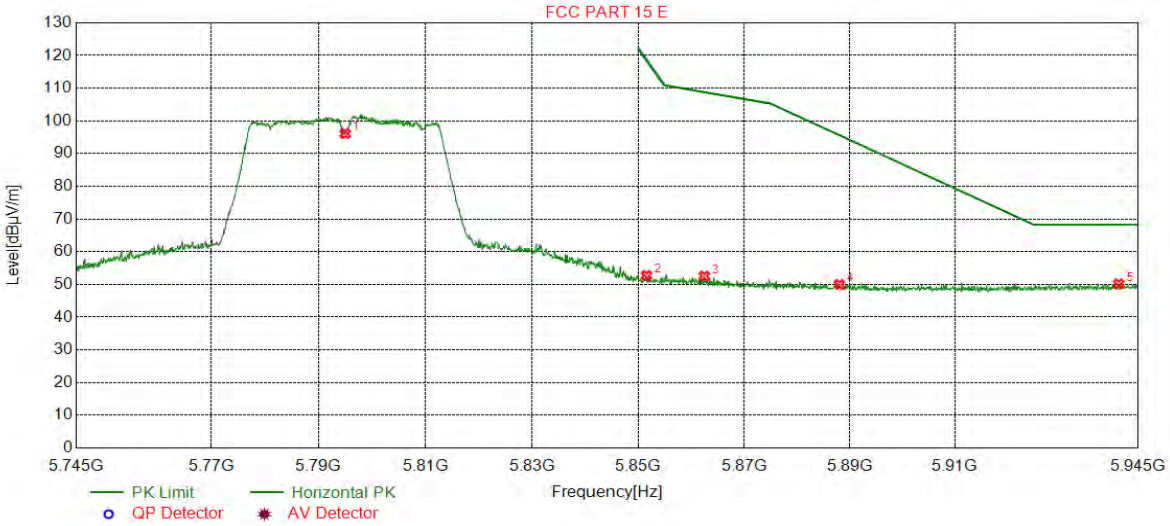
4.11.1.79 802.11AC40_Channel 159

Test Graph



Suspected List

Suspected List								
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1	5795.00	96.10	17.18	0.00	-96.10	150	268	Horizontal
2	5851.55	52.73	17.26	118.76	66.03	150	250	Horizontal
3	5862.45	52.56	17.22	108.81	56.25	150	273	Horizontal
4	5888.07	49.99	17.15	95.63	45.64	150	268	Horizontal
5	5941.29	50.19	17.75	68.30	18.11	150	356	Horizontal

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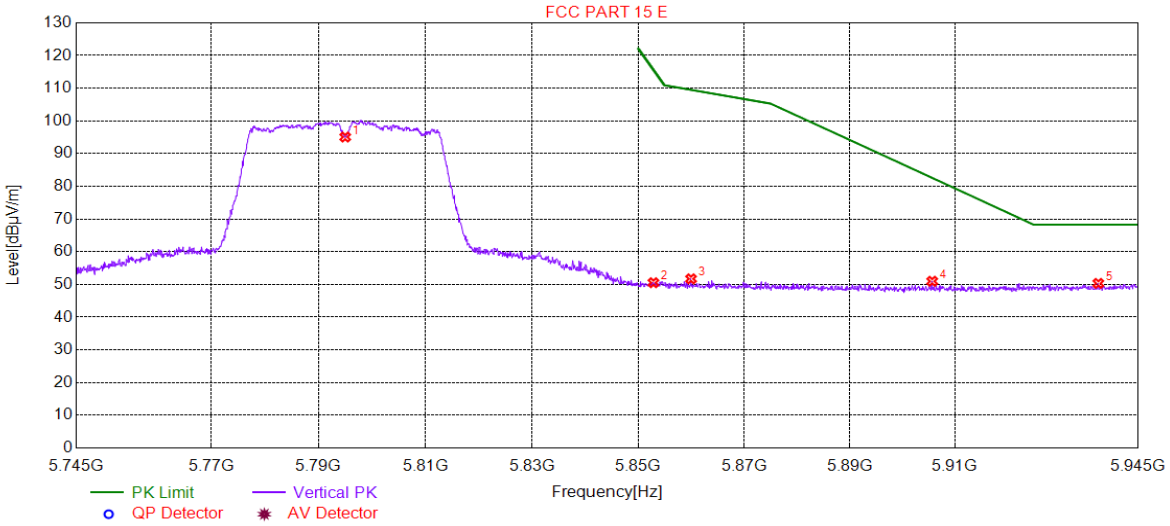
4.11.1.80 802.11AC40_Channel 159

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	95.08	17.18	0.00	-95.08	150	68	Vertical
2	5852.85	50.54	17.25	115.79	65.25	150	68	Vertical
3	5859.95	51.73	17.23	109.51	57.78	150	63	Vertical
4	5905.68	50.99	17.20	82.60	31.61	150	63	Vertical
5	5937.39	50.34	17.69	68.30	17.96	150	4	Vertical

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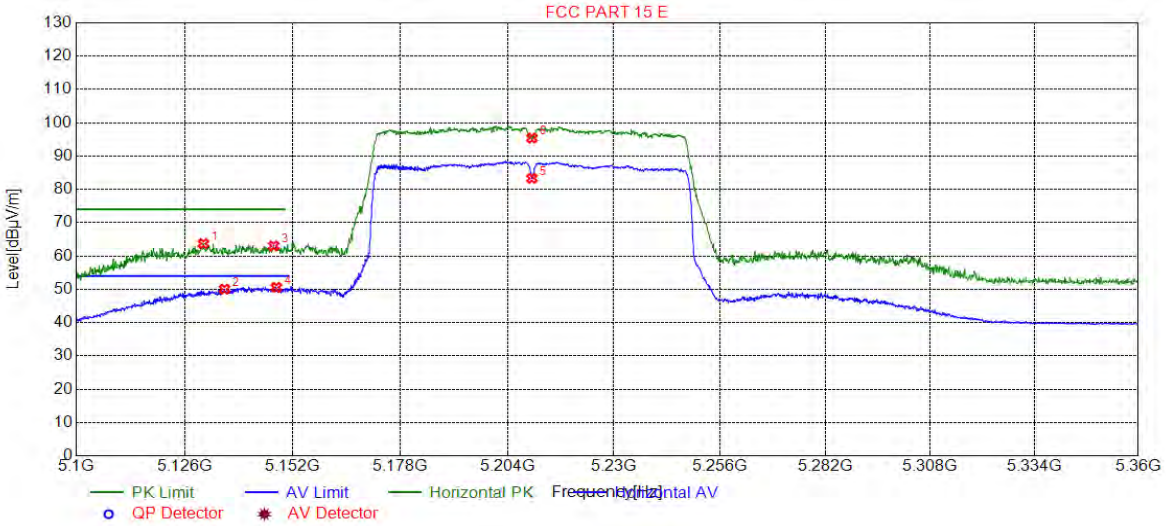
4.11.1.81 802.11AC80_Channel 42

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5130.43	63.72	15.35	74.00	10.28	150	268	Horizontal
2	5135.50	50.07	15.40	54.00	3.93	150	268	Horizontal
3	5147.34	63.06	15.50	74.00	10.94	150	268	Horizontal
4	5147.99	50.60	15.50	54.00	3.40	150	268	Horizontal
5	5210.00	83.31	15.56	0.00	-83.31	150	254	Horizontal
6	5210.00	95.42	15.56	0.00	-95.42	150	268	Horizontal

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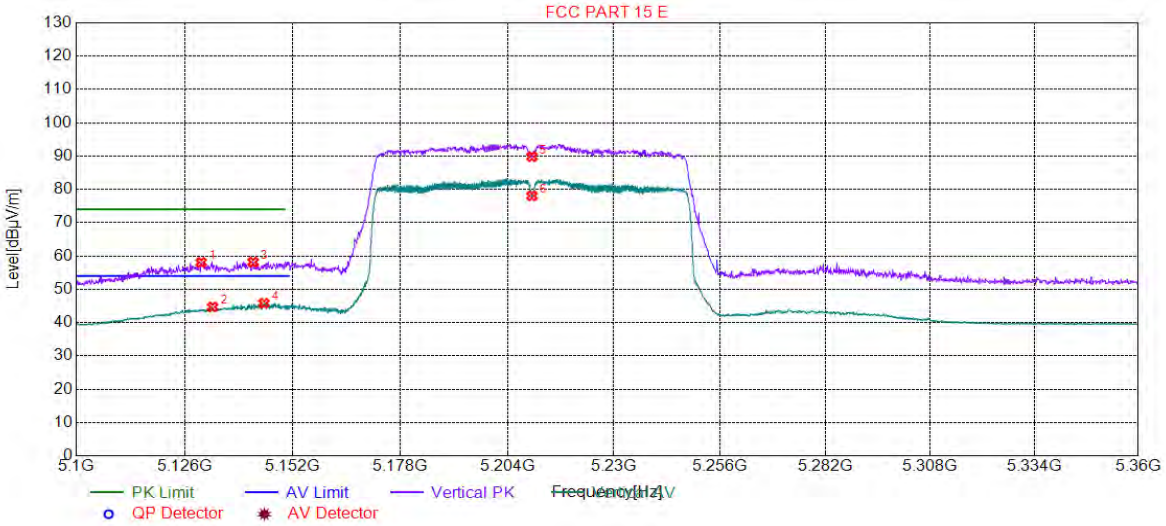
4.11.1.82 802.11AC80_Channel 42

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5129.91	58.08	15.35	74.00	15.92	150	147	Vertical
2	5132.64	44.72	15.37	54.00	9.28	150	71	Vertical
3	5142.40	58.20	15.45	74.00	15.80	150	36	Vertical
4	5145.00	45.81	15.48	54.00	8.19	150	36	Vertical
5	5210.00	89.83	15.56	0.00	-89.83	150	154	Vertical
6	5210.00	78.06	15.56	0.00	-78.06	150	154	Vertical

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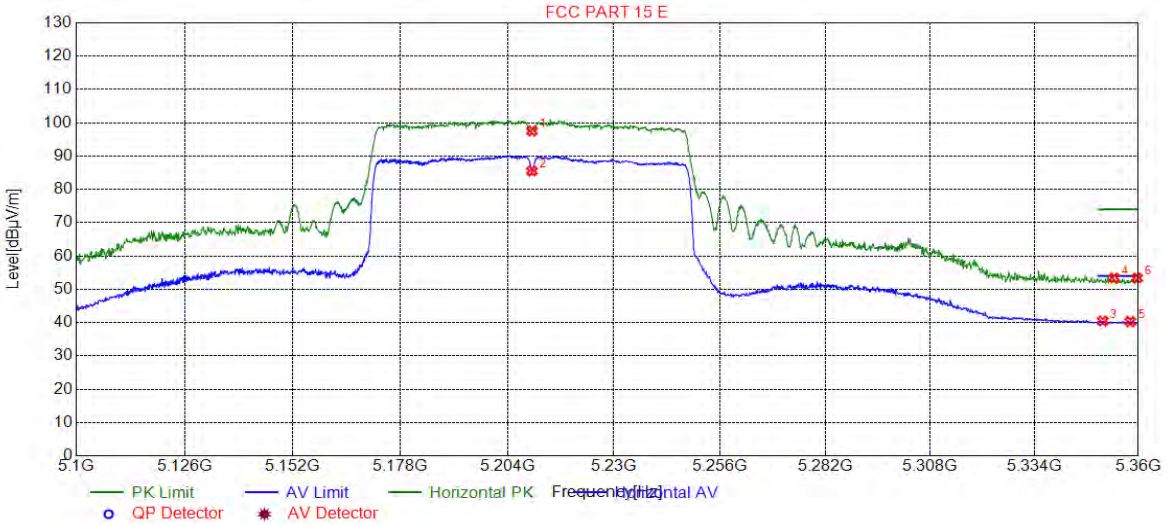
4.11.1.83 802.11AC80_Channel 42

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	97.54	15.56	0.00	-97.54	150	253	Horizontal
2	5210.00	85.52	15.56	0.00	-85.52	150	260	Horizontal
3	5351.15	40.49	15.95	54.00	13.51	150	273	Horizontal
4	5354.01	53.46	15.96	74.00	20.54	150	36	Horizontal
5	5358.04	40.30	15.99	54.00	13.70	150	273	Horizontal
6	5359.73	53.40	16.00	74.00	20.60	150	36	Horizontal

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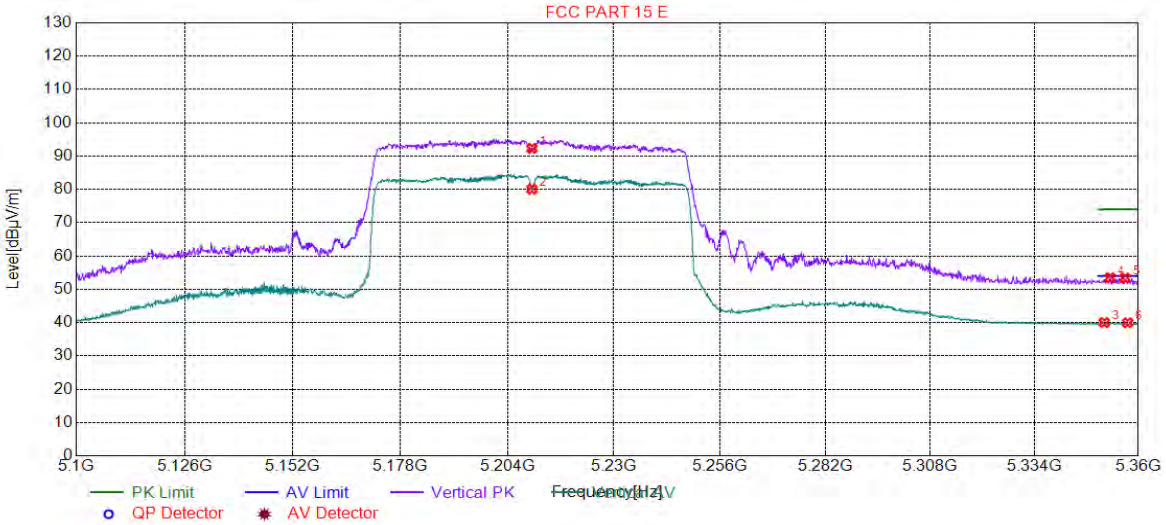
4.11.1.84 802.11AC80_Channel 42

Test Graph



Suspected List

Suspected List								
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1	5210.00	92.30	15.56	0.00	-92.30	150	154	Vertical
2	5210.00	80.07	15.56	0.00	-80.07	150	154	Vertical
3	5351.54	40.04	15.95	54.00	13.96	150	330	Vertical
4	5352.97	53.51	15.96	74.00	20.49	150	344	Vertical
5	5356.74	53.42	15.98	74.00	20.58	150	25	Vertical
6	5357.39	39.98	15.99	54.00	14.02	150	337	Vertical

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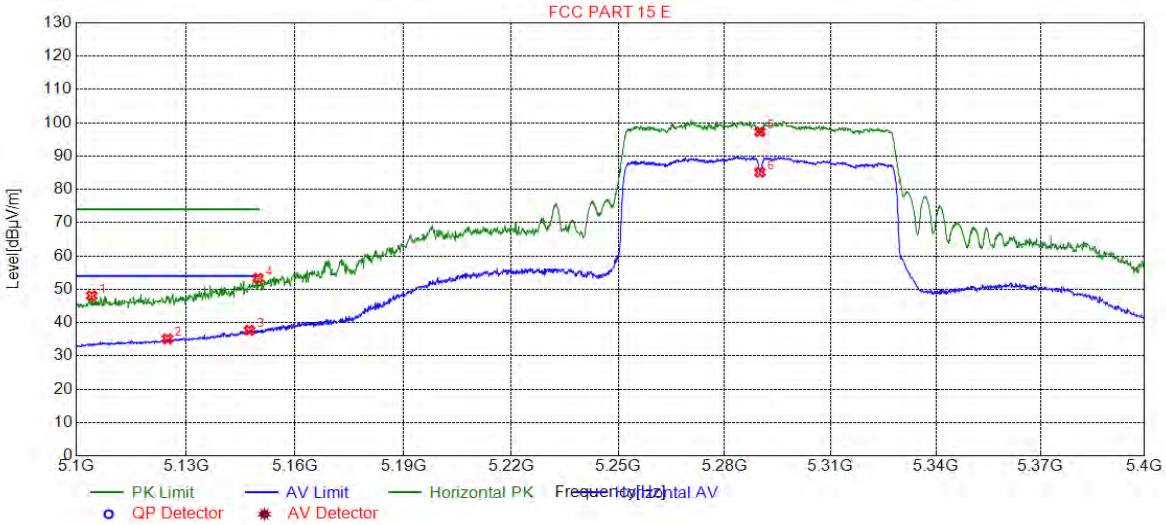
4.11.1.85 802.11AC80_Channel 58

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5104.20	48.10	15.13	74.00	25.90	150	271	Horizontal
2	5124.91	35.14	15.30	54.00	18.86	150	264	Horizontal
3	5147.42	37.72	15.50	54.00	16.28	150	264	Horizontal
4	5149.82	53.33	15.52	74.00	20.67	150	264	Horizontal
5	5290.00	97.29	15.65	0.00	-97.29	150	278	Horizontal
6	5290.00	85.15	15.65	0.00	-85.15	150	250	Horizontal

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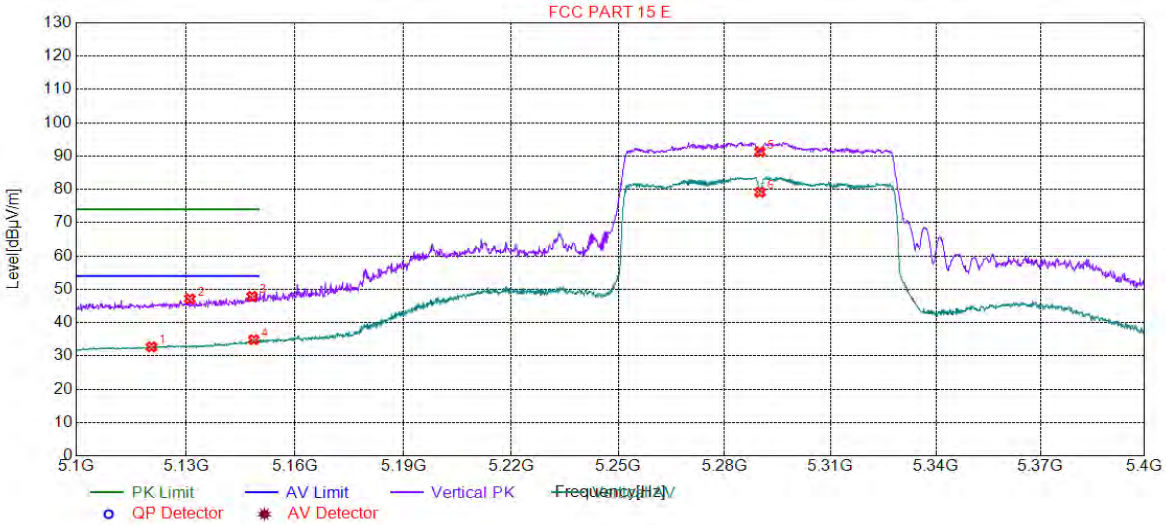
4.11.1.86 802.11AC80_Channel 58

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5120.56	32.74	15.27	54.00	21.26	150	43	Vertical
2	5131.06	47.16	15.36	74.00	26.84	150	77	Vertical
3	5148.17	47.85	15.50	74.00	26.15	150	152	Vertical
4	5148.62	34.90	15.51	54.00	19.10	150	36	Vertical
5	5290.00	91.29	15.65	0.00	-91.29	150	152	Vertical
6	5290.00	79.14	15.65	0.00	-79.14	150	160	Vertical

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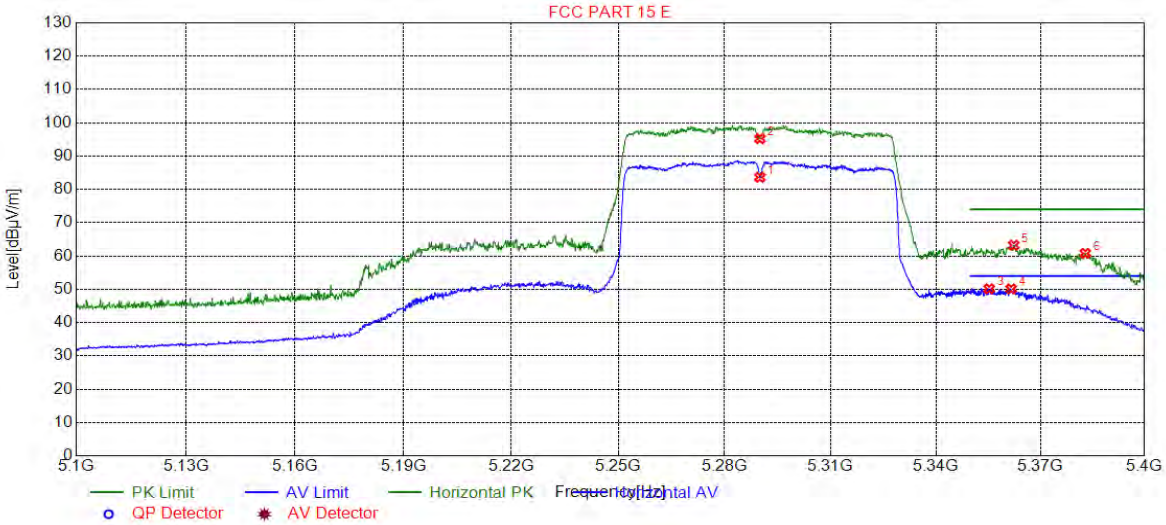
4.11.1.87 802.11AC80_Channel 58

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	83.63	15.65	0.00	-83.63	150	256	Horizontal
2	5290.00	95.23	15.65	0.00	-95.23	150	256	Horizontal
3	5355.27	50.18	15.97	54.00	3.82	150	270	Horizontal
4	5361.58	50.15	16.01	54.00	3.85	150	256	Horizontal
5	5362.33	63.25	16.02	74.00	10.75	150	262	Horizontal
6	5382.89	60.82	16.14	74.00	13.18	150	270	Horizontal

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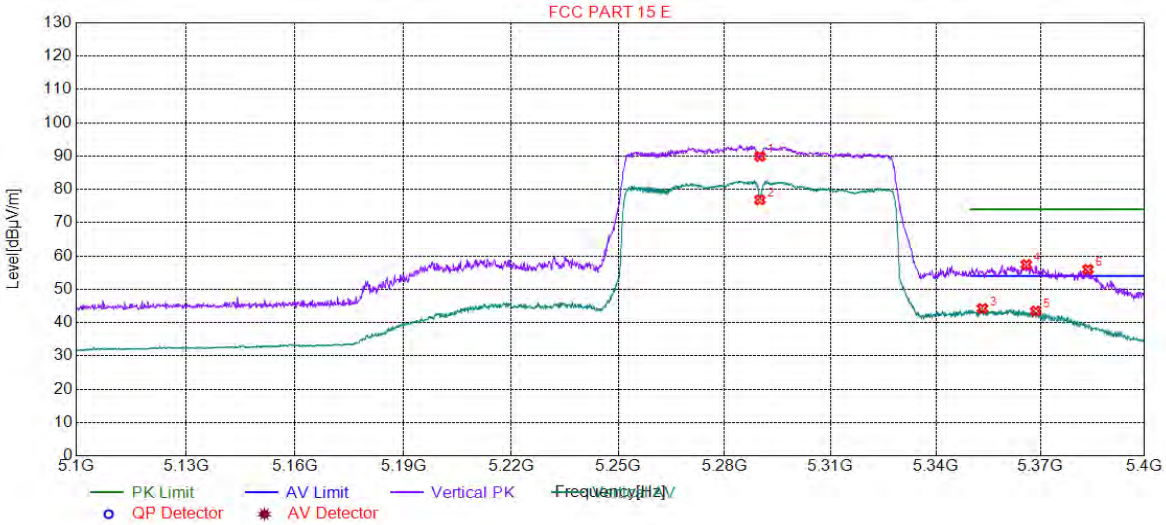
4.11.1.88 802.11AC80_Channel 58

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	89.91	15.65	0.00	-89.91	150	156	Vertical
2	5290.00	76.88	15.65	0.00	-76.88	150	108	Vertical
3	5353.32	44.26	15.96	54.00	9.74	150	45	Vertical
4	5365.93	57.45	16.04	74.00	16.55	150	87	Vertical
5	5368.63	43.49	16.06	54.00	10.51	150	87	Vertical
6	5383.64	56.01	16.15	74.00	17.99	150	30	Vertical

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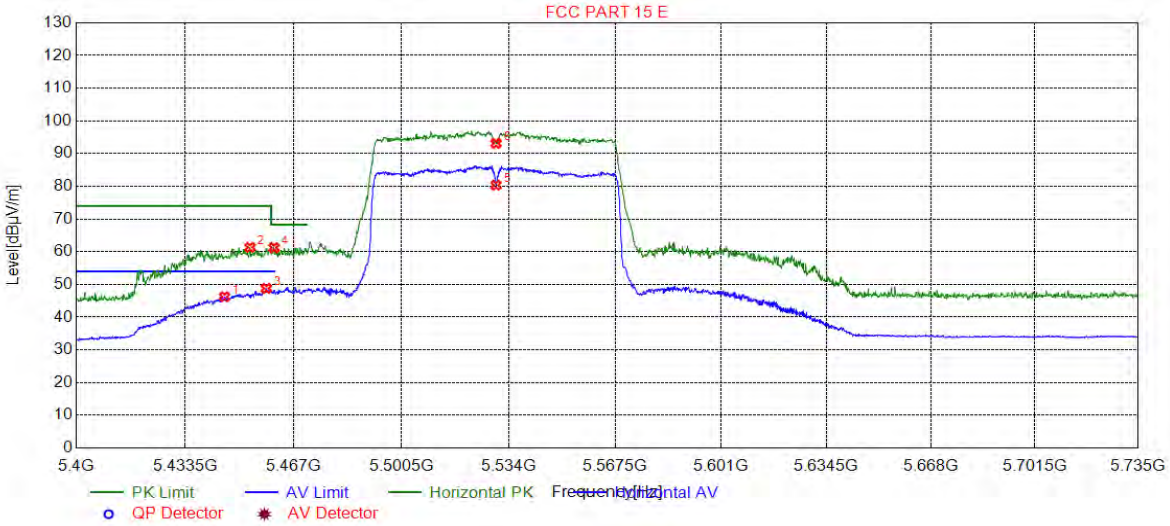
4.11.1.89 802.11AC80_Channel 106

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5445.58	46.24	16.25	54.00	7.76	150	264	Horizontal
2	5453.45	61.35	16.25	74.00	12.65	150	238	Horizontal
3	5458.48	48.80	16.25	54.00	5.20	150	245	Horizontal
4	5460.83	61.25	16.25	68.30	7.05	150	257	Horizontal
5	5530.00	80.35	16.35	0.00	-80.35	150	257	Horizontal
6	5530.00	93.14	16.35	0.00	-93.14	150	264	Horizontal

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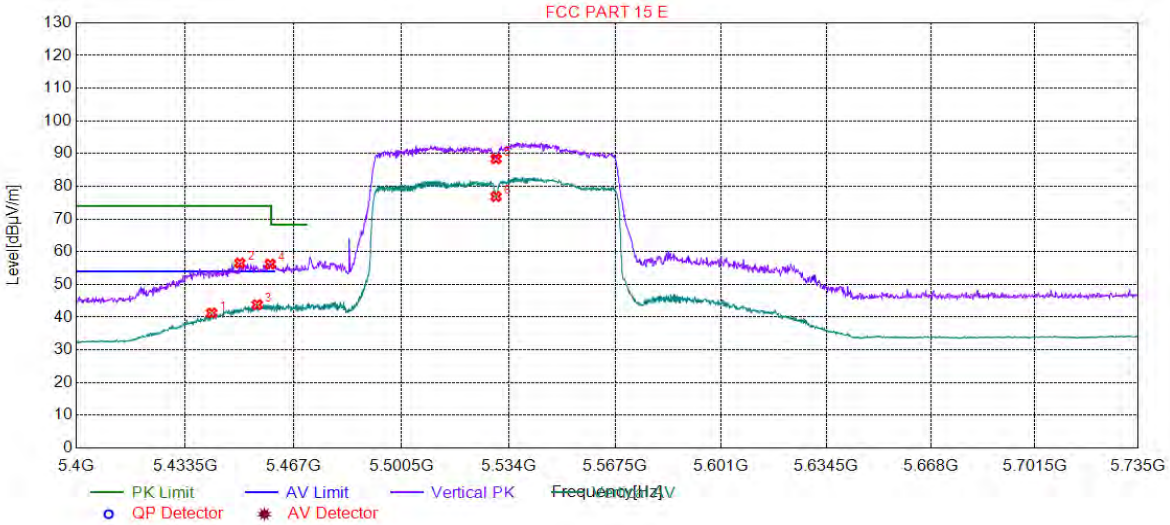
4.11.1.90 802.11AC80_Channel 106

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5441.56	41.27	16.25	54.00	12.73	150	96	Vertical
2	5450.27	56.55	16.25	74.00	17.45	150	96	Vertical
3	5455.63	43.84	16.25	54.00	10.16	150	96	Vertical
4	5459.65	56.25	16.25	74.00	17.75	150	96	Vertical
5	5530.00	88.41	16.35	0.00	-88.41	150	96	Vertical
6	5530.00	76.87	16.35	0.00	-76.87	150	96	Vertical

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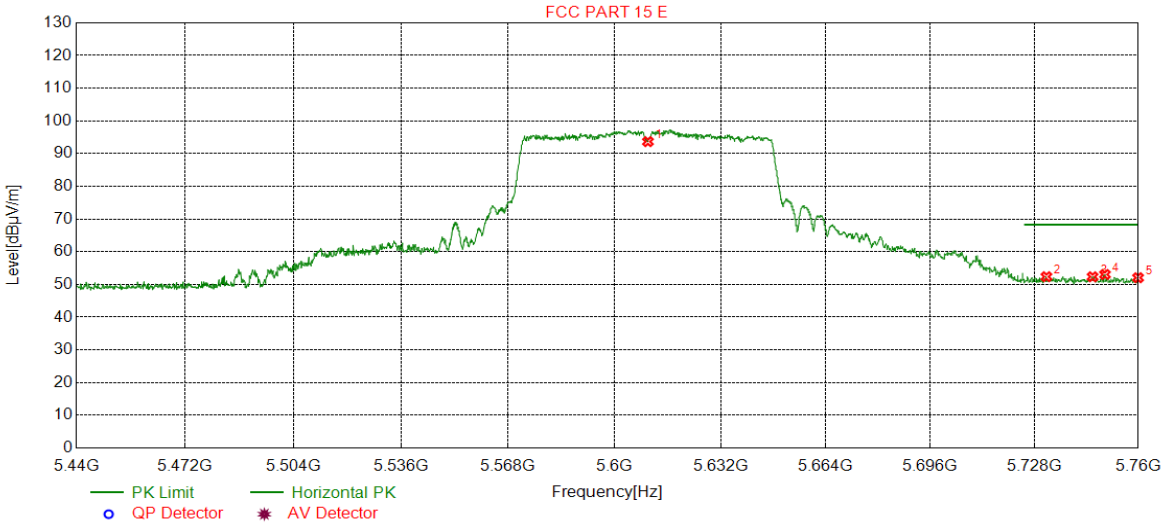
4.11.1.91 802.11AC80_Channel 122

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	93.67	16.58	0.00	-93.67	150	239	Horizontal
2	5731.66	52.38	17.00	68.30	15.92	150	267	Horizontal
3	5745.91	52.36	17.09	68.30	15.94	150	79	Horizontal
4	5749.75	53.05	17.12	68.30	15.25	150	106	Horizontal
5	5760.00	52.07	17.13	68.30	16.23	150	344	Horizontal

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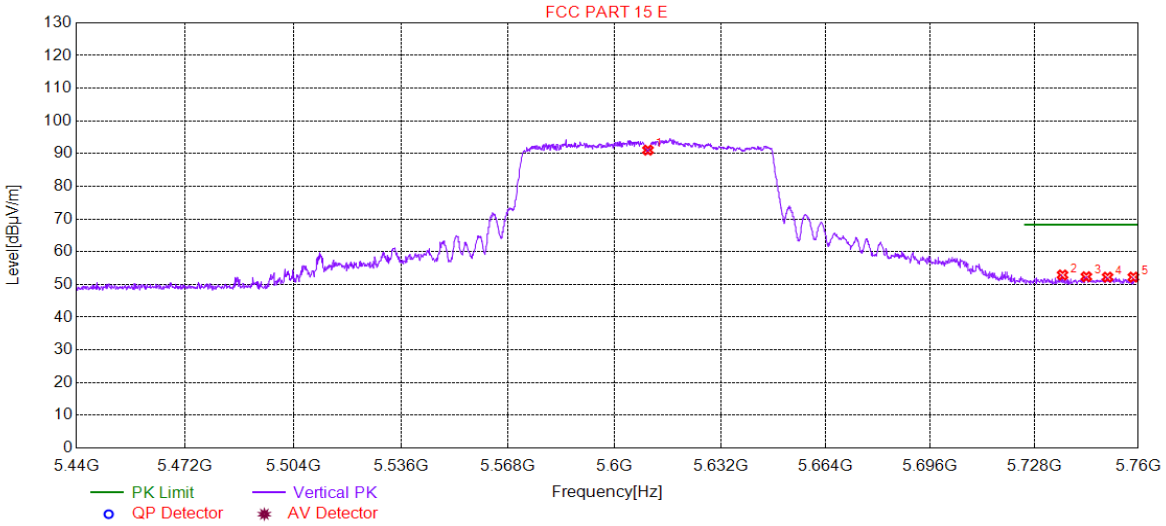
4.11.1.92 802.11AC80_Channel 122

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	91.07	16.58	0.00	-91.07	150	103	Vertical
2	5736.62	52.91	17.03	68.30	15.39	150	84	Vertical
3	5743.99	52.38	17.08	68.30	15.92	150	66	Vertical
4	5750.55	52.25	17.12	68.30	16.05	150	38	Vertical
5	5758.55	52.25	17.13	68.30	16.05	150	305	Vertical

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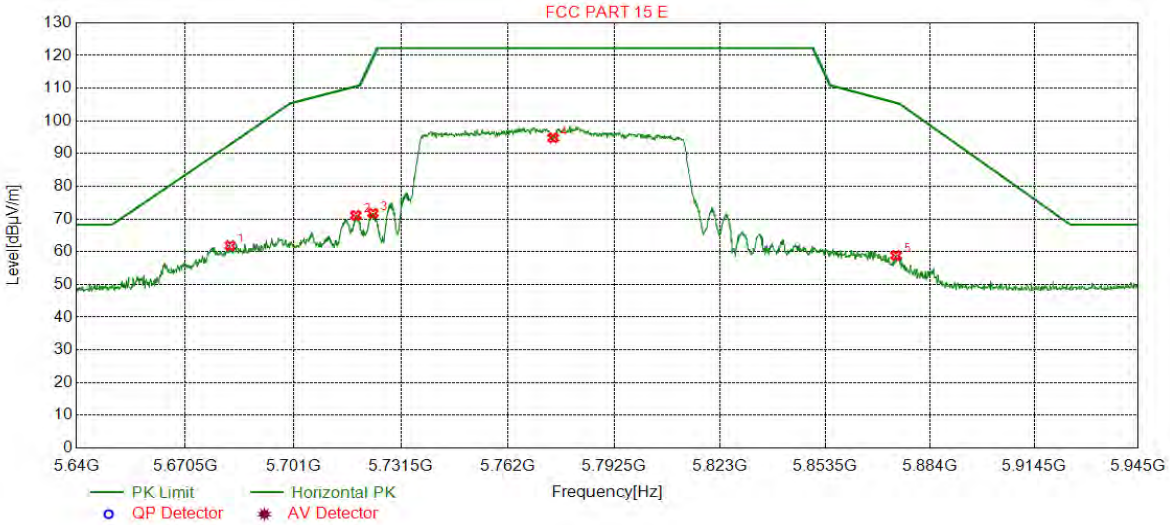
4.11.1.93 802.11AC80_Channel 155

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5683.17	61.88	16.71	92.85	30.97	150	263	Horizontal
2	5718.72	71.14	16.92	110.54	39.40	150	263	Horizontal
3	5723.61	71.79	16.95	119.13	47.34	150	263	Horizontal
4	5775.00	94.83	17.16	122.30	27.47	150	263	Horizontal
5	5874.05	58.89	17.19	105.57	46.68	150	263	Horizontal

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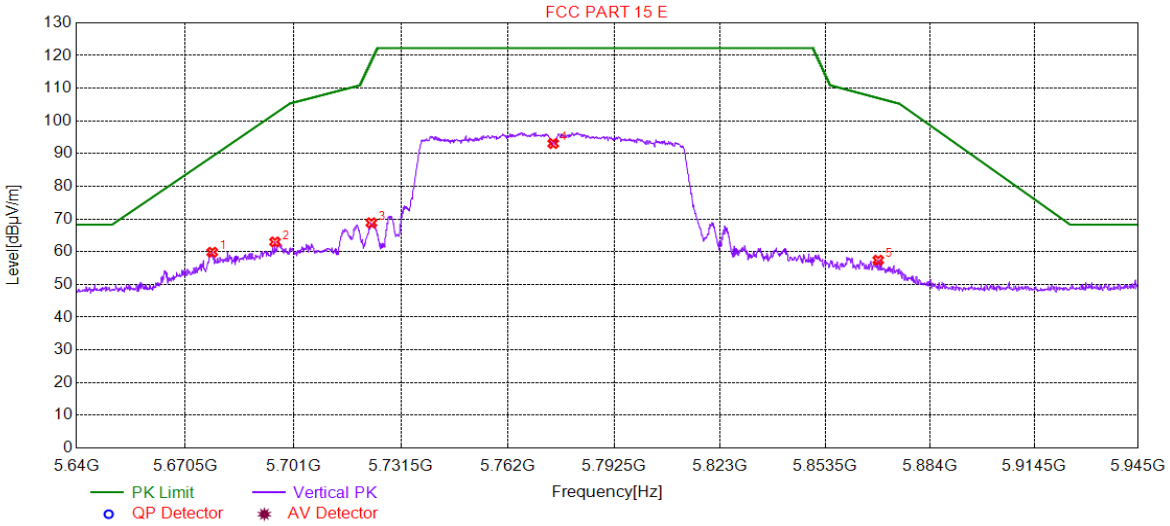
4.11.1.94 802.11AC80_Channel 155

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5678.14	59.86	16.68	89.13	29.27	150	66	Vertical
2	5695.84	63.02	16.78	102.22	39.20	150	66	Vertical
3	5723.15	68.86	16.95	118.09	49.23	150	98	Vertical
4	5775.00	93.10	17.16	122.30	29.20	150	70	Vertical
5	5868.86	57.44	17.20	107.02	49.58	150	66	Vertical

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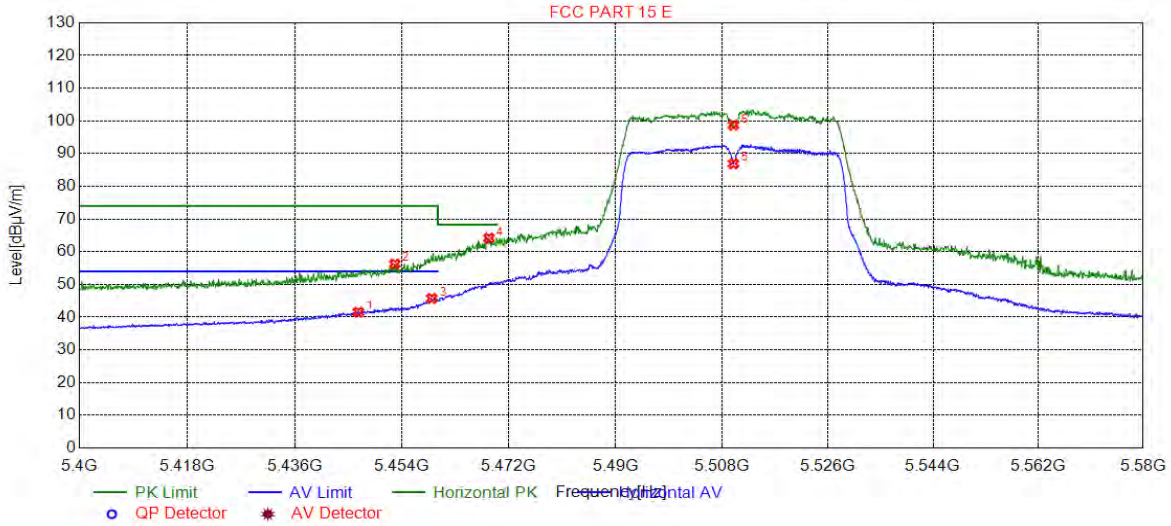
4.11.1.95 802.11N40_Channel 102 （Spot check data）

Test Graph



Suspected List

Suspected List						
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5446.6433	41.55	16.25	54.00	12.45	Horizontal
2	5452.7664	56.27	16.25	74.00	17.73	Horizontal
3	5458.9795	45.74	16.25	54.00	8.26	Horizontal
4	5468.6143	64.19	16.25	68.30	4.11	Horizontal
5	5510.0000	86.90	16.28	0.00	-86.90	Horizontal
6	5510.0000	98.69	16.28	0.00	-98.69	Horizontal

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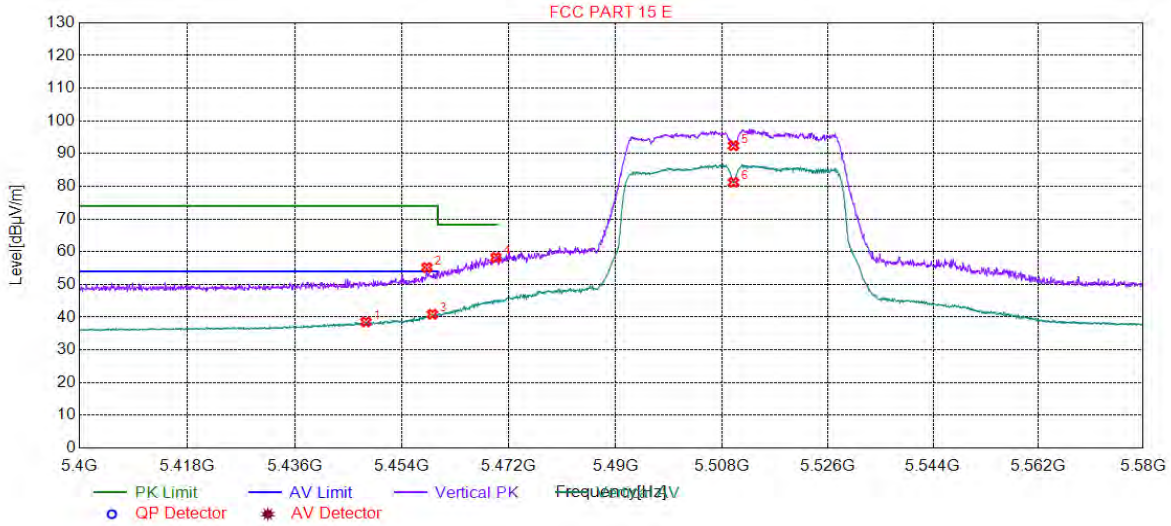
4.11.1.96 802.11N40_Channel 102

Test Graph



Suspected List

Suspected List						
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5447.9040	38.56	16.25	54.00	15.44	Vertical
2	5458.1691	55.21	16.25	74.00	18.79	Vertical
3	5459.0695	40.90	16.25	54.00	13.10	Vertical
4	5469.7849	58.27	16.25	68.30	10.03	Vertical
5	5510.0000	92.43	16.28	0.00	-92.43	Vertical
6	5510.0000	81.23	16.28	0.00	-81.23	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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4.12 Frequencies Stability

4.12.1 Frequency Error vs. Voltage:

Test Conditions	Measured Frequency (MHz)	
	5180	5805
V nom(V)	5180.009852	5805.004923
V max(V)	5180.016965	5805.012364
V min(V)	5180.024723	5805.013668
Max. Deviation Frequency	0.024723	0.013668
Max. Frequency Error (ppm)	4.772718	2.346460

4.12.2 Frequency Error vs. Temperature:

Test Conditions(°C)	Measured Frequency (MHz)	
	5180	5805
-5	5180.009301	5805.009645
5	5180.015326	5805.015632
15	5180.024344	5805.023441
25	5180.025248	5805.030955
35	5180.028218	5805.037671
45	5180.031425	5805.040419
50	5180.034367	5805.041676
Max. Deviation Frequency	0.034367	0.041676
Max. Frequency Error (ppm)	6.634544	7.154677

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4.13 Dynamic Frequency Selection

4.13.1 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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4.13.2 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.

4.13.3 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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4.13.1 Test Result

TestMode	Channel	Radar Type	Result	Limit[dbm]	Verdict
11AC20SISO	5320	Type0	-64.45	-61.00	PASS
	5500	Type0	-63.73	-61.00	PASS
11AC80SISO	5290	Type0	-63.88	-61.00	PASS
	5530	Type0	-63.83	-61.00	PASS

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4.13.2 Test Graphs

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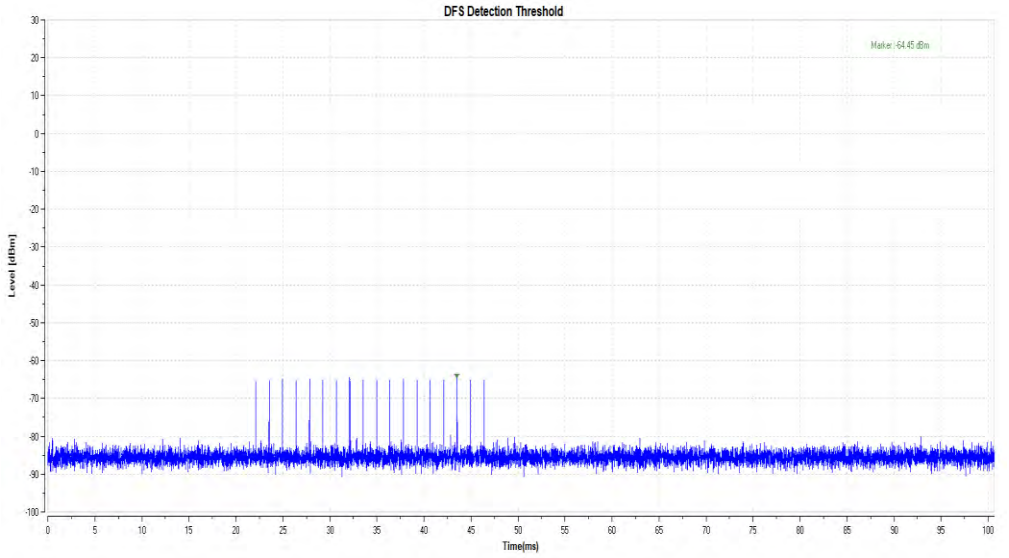

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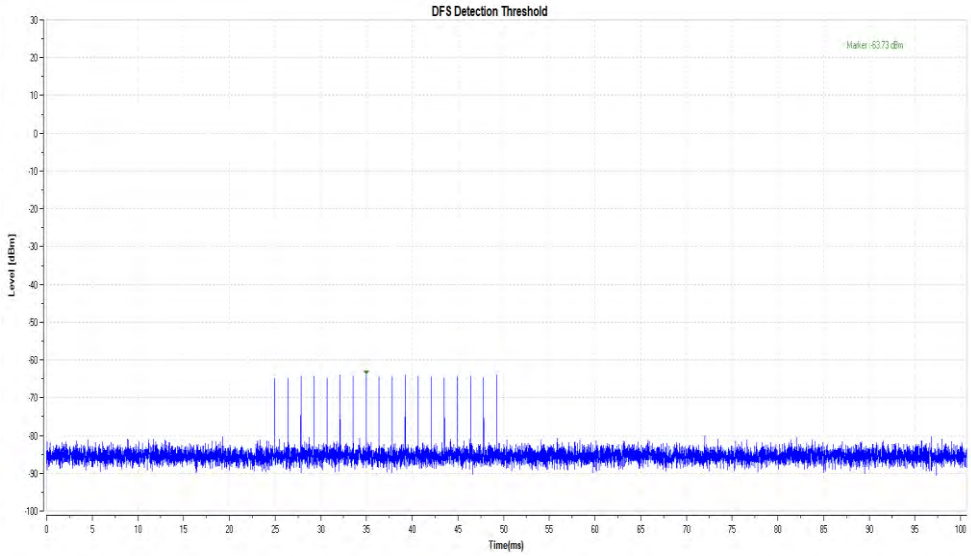

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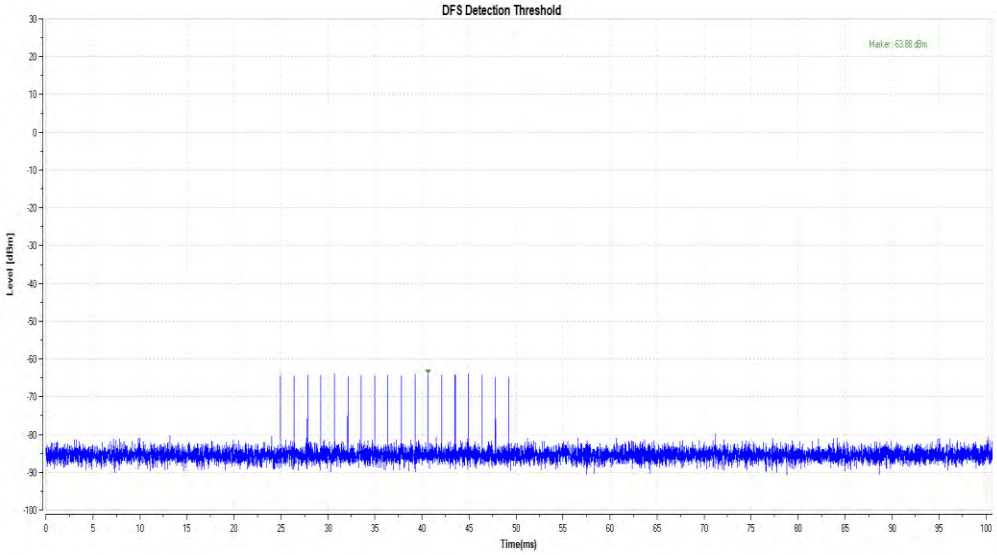

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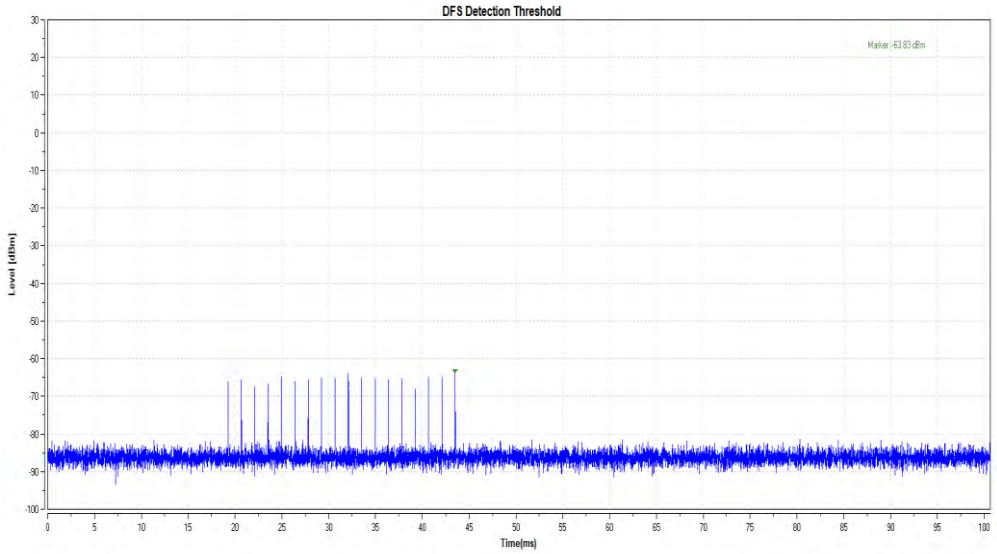

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4.13.2.1 Channel Move Time and Channel Closing Transmission Time
4.13.1 Test Result

TestMode	Channel	CCT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AC20SISO	5320	41.6	60	284.7	10000	PASS
	5500	40.3	60	254.8	10000	PASS
11AC80SISO	5290	0	60	161.2	10000	PASS
	5530	53.3	60	343.2	10000	PASS

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4.13.2 Test Graphs

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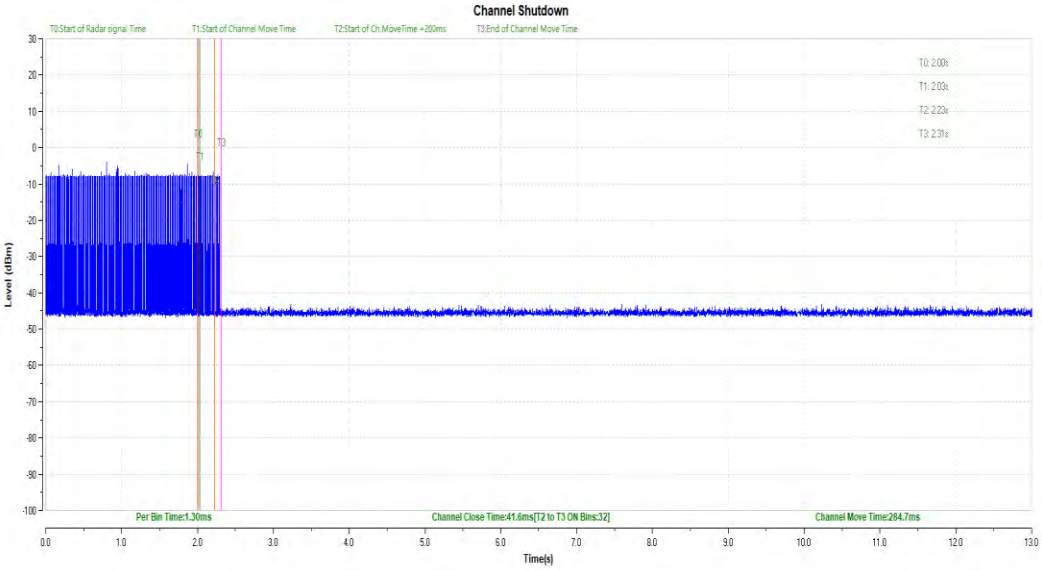

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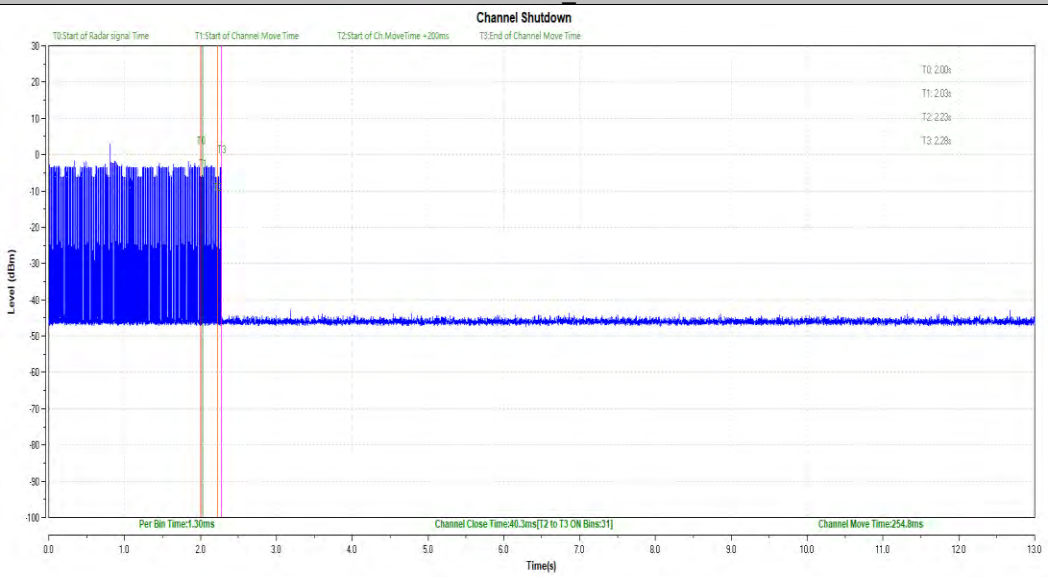

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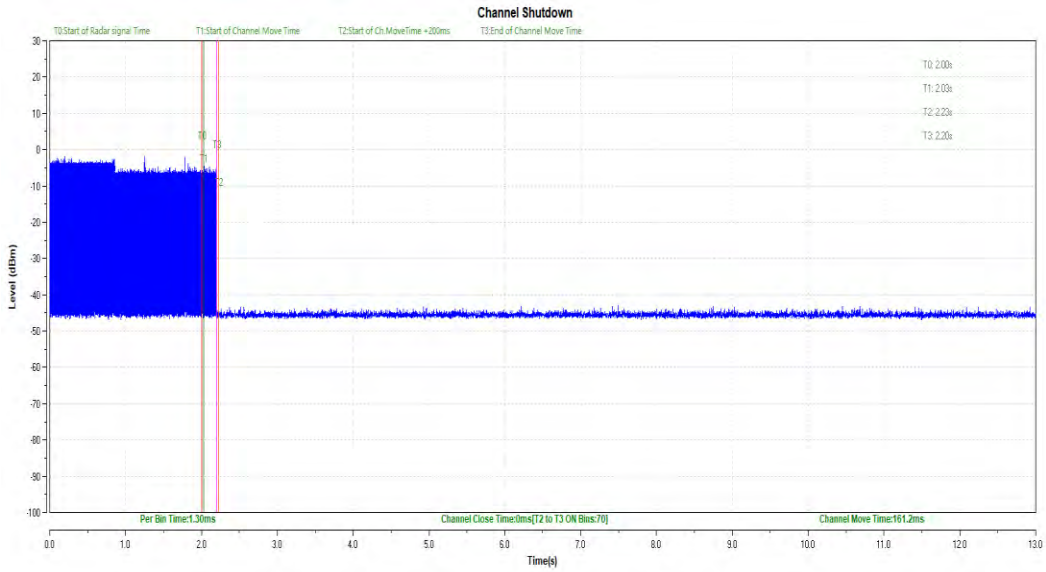

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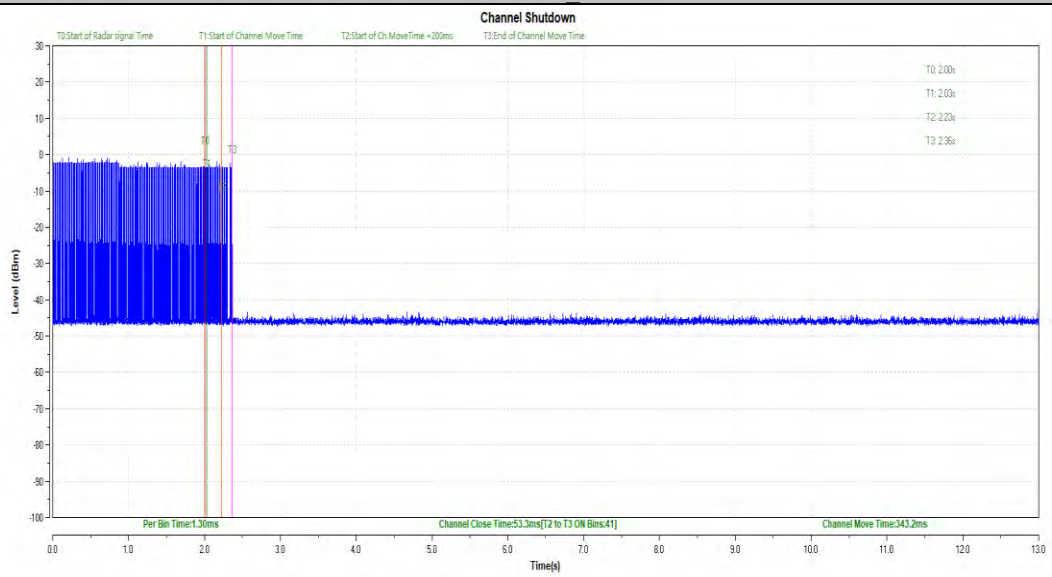

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4.13.3 Non-Occupancy Period

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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4.13.4 Test Graphs

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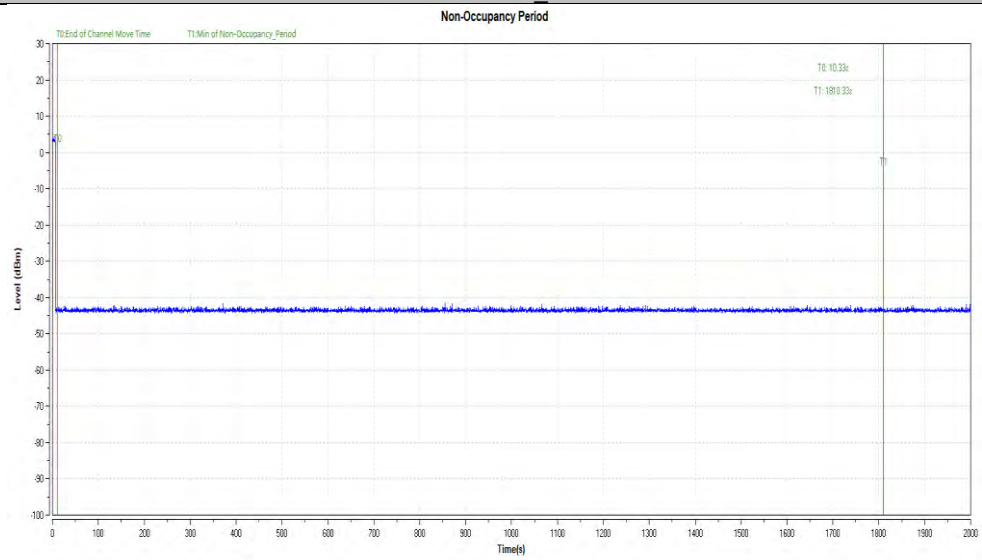

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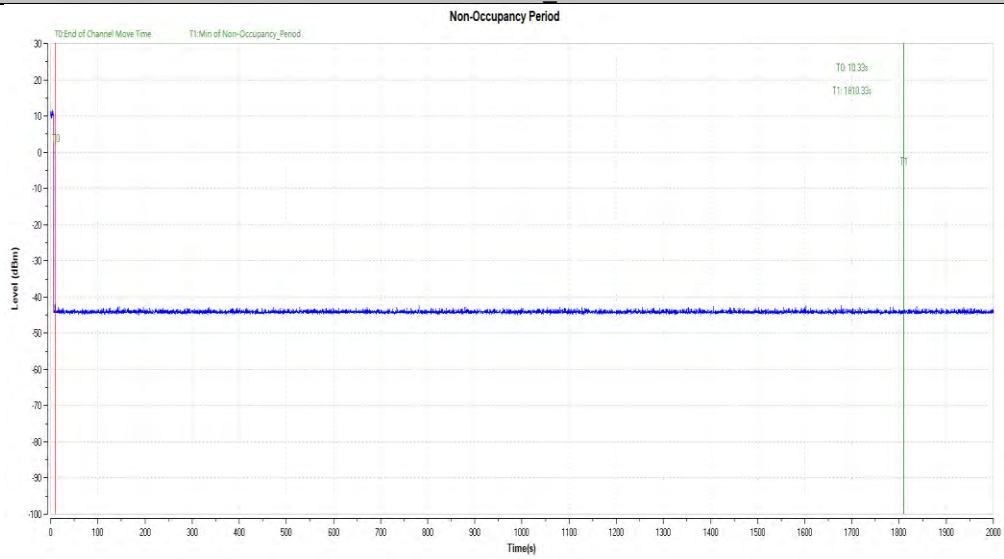

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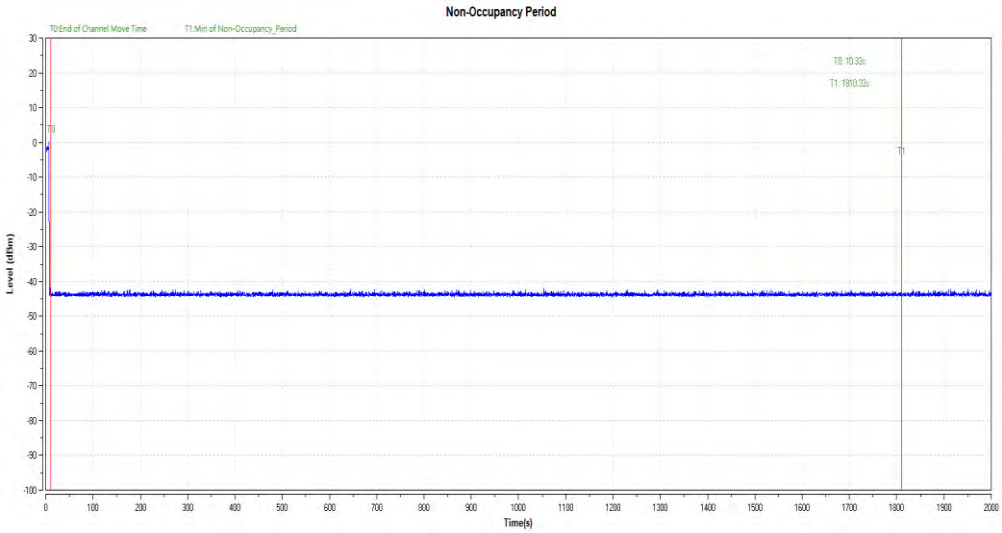
11AC80SISO_5290



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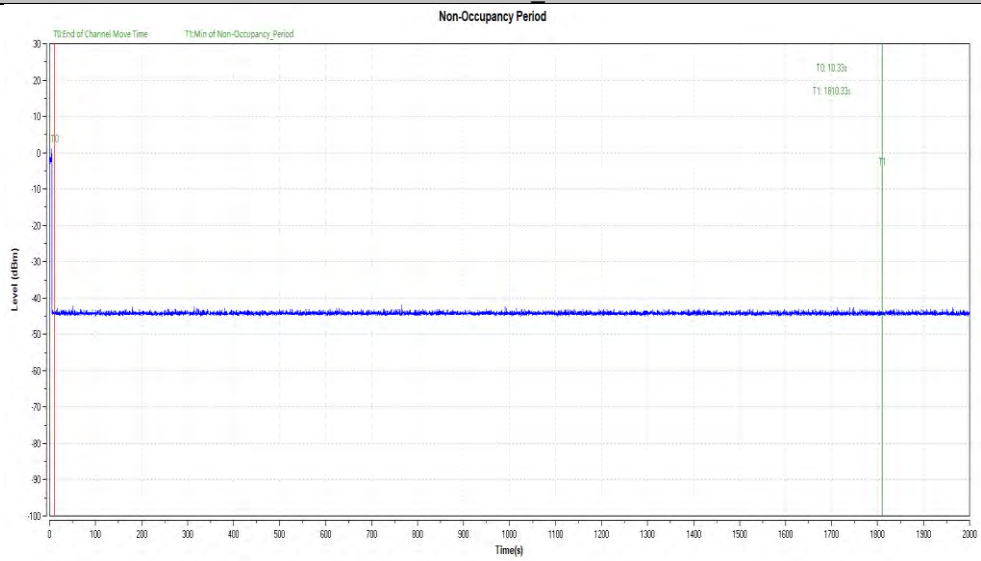

5 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	Measurement Uncertainty
1	Total RF power, conducted	±0.75dB

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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	2020/5/10	2023/5/9
LISN	Rohde & Schwarz	ENV216	SEM007-01	2020/7/14	2021/7/14
LISN	ETS-LINDGREN	Feb-16	SEM007-02	2020/3/2	2021/3/1
Measurement Software	AUDIX	e3 V5.4.1221d	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM024-01	2020/6/12	2021/6/11
8 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T8-02	EMC0120	2020/2/11	2021/2/10
4 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T4-02	EMC0121	2020/2/11	2021/2/10
2 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T2-02	EMC0122	2020/2/11	2021/2/10
EMI Test Receiver	Rohde & Schwarz	ESCI	SEM004-02	2020/3/2	2021/3/1

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	2020/7/14	2021/7/14
Signal Analyzer	Rohde & Schwarz	FSV	W025-05	2020/3/2	2021/3/1
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	2019/10/27	2020/10/27
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2020/7/14	2021/7/14
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	2020/8/5	2023/8/4
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM025-01	2020/6/12	2021/6/11
MXE EMI Receiver (20Hz-8.4GHz)	Agilent Technologies	N9038A	SEM004-05	2020/7/14	2021/7/14
BiConiLog Antenna (26-3000MHz)	ETS-LINDGREN	3142C	SEM003-01	2020/6/27	2023/6/26
Pre-amplifier (0.1-1.3GHz)	Agilent Technologies	8447D	SEM005-01	2020/3/2	2021/3/1

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	2020/3/2	2021/3/1
BiConiLog Antenna (26-3000MHz)	ETS-Lindgren	3142C	SEM003-01	2020/6/27	2023/6/26
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	2020/7/14	2021/7/14
Low Noise Amplifier (100MHz-18GHz)	Black Diamond Series	BDLNA-0118-352810	SEM005-05	2020/7/14	2021/7/14
Pre-Amplifier(0.1-26.5GHz)	Compliance Directions Systems Inc.	PAP-0126	EMC2063	2019/10/20	2020/10/19
Pre-amplifier(26-40GHz)	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2020/3/2	2021/3/1
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	2020/6/12	2021/6/11

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7 Photographs - EUT Test Setup Details

Refer to Appendix A - Photographs of EUT Test Setup Details for AR/2020/A0007.

The End

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