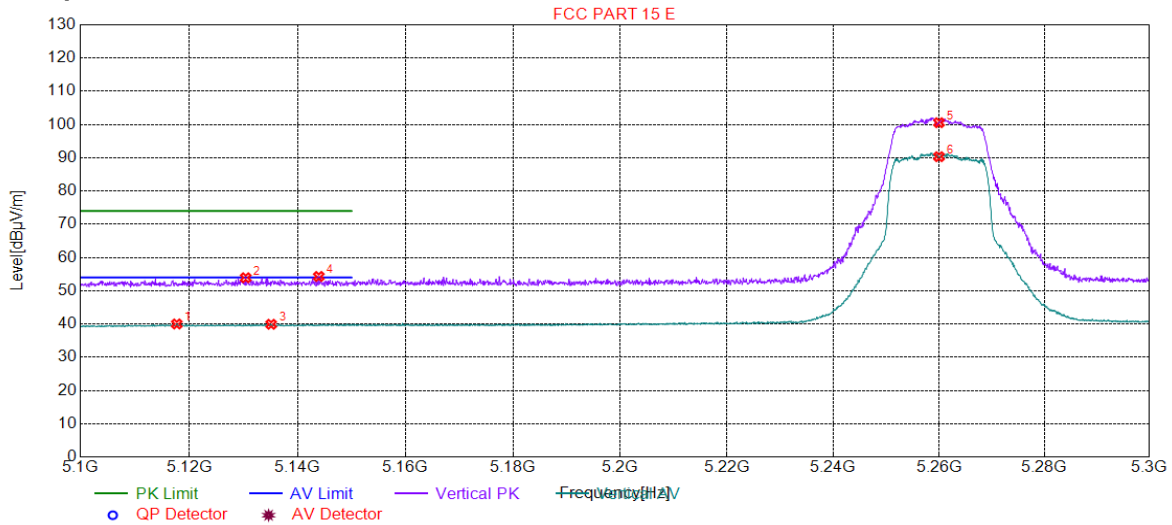


**4.11.1.22 802.11N20\_Channel 52**

**Test Graph**



**Suspected List**

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5117.70	40.04	15.24	54.00	13.96	150	219	Vertical
2	5130.41	53.93	15.35	74.00	20.07	150	323	Vertical
3	5135.11	39.94	15.39	54.00	14.06	150	15	Vertical
4	5143.92	54.32	15.47	74.00	19.68	150	158	Vertical
5	5260.00	100.56	15.51	0.00	-100.56	150	124	Vertical
6	5260.00	90.34	15.51	0.00	-90.34	150	116	Vertical

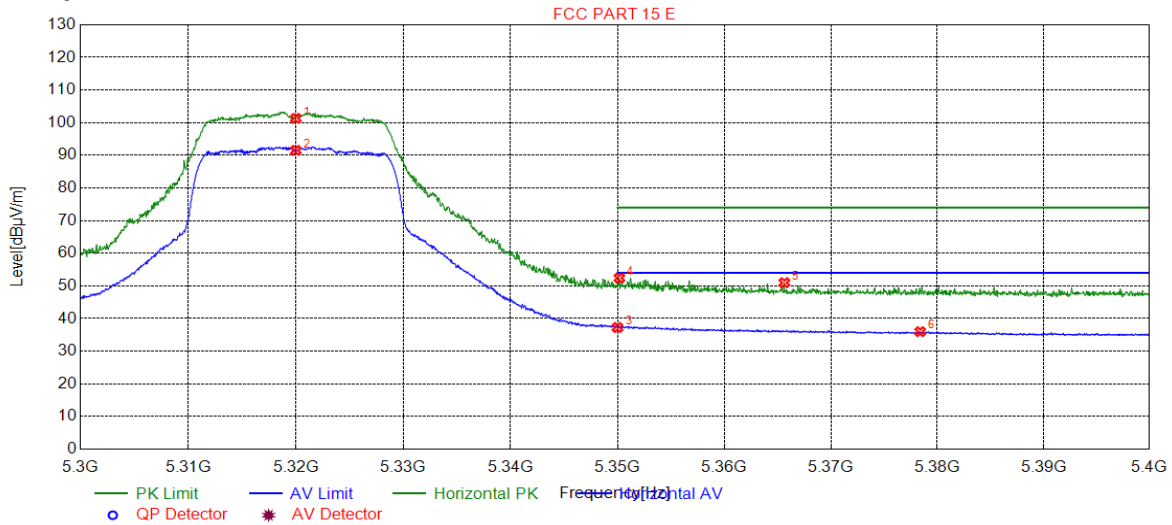
**Final Data List**



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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	101.34	15.80	0.00	-101.34	150	78	Horizontal
2	5320.00	91.53	15.80	0.00	-91.53	150	78	Horizontal
3	5350.00	37.28	15.94	54.00	16.72	150	84	Horizontal
4	5350.17	52.42	15.94	74.00	21.58	150	37	Horizontal
5	5365.63	51.00	16.04	74.00	23.00	150	344	Horizontal
6	5378.38	36.00	16.12	54.00	18.00	150	187	Horizontal

**Final Data List**

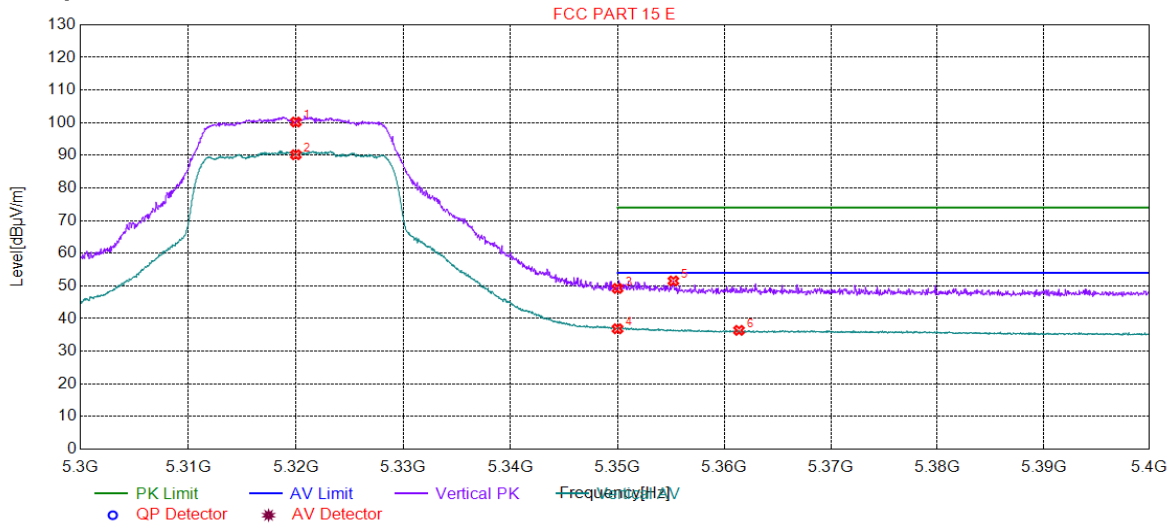


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**4.11.1.24 802.11N20\_Channel 64**

**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	100.21	15.80	0.00	-100.21	150	125	Vertical
2	5320.00	90.19	15.80	0.00	-90.19	150	125	Vertical
3	5350.00	49.24	15.94	74.00	24.76	150	339	Vertical
4	5350.00	36.88	15.94	54.00	17.12	150	112	Vertical
5	5355.22	51.54	15.97	74.00	22.46	150	125	Vertical
6	5361.38	36.40	16.01	54.00	17.60	150	360	Vertical

**Final Data List**

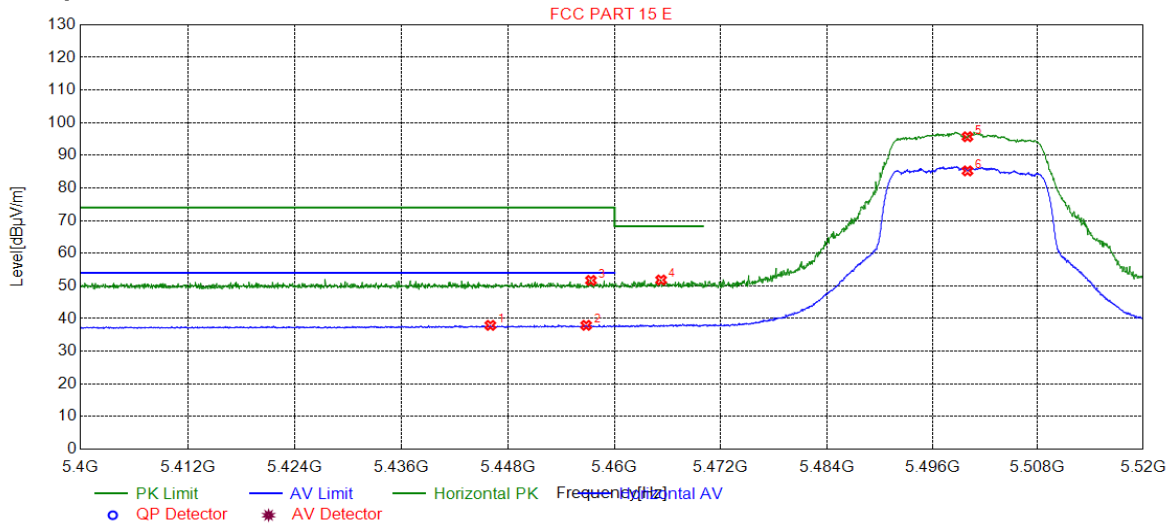


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**4.11.1.25 802.11N20\_Channel 100**

**Test Graph**



**Suspected List**

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5445.98	37.93	16.25	54.00	16.07	150	346	Horizontal
2	5456.78	37.94	16.25	54.00	16.06	150	346	Horizontal
3	5457.32	51.70	16.25	74.00	22.30	150	346	Horizontal
4	5465.25	51.83	16.25	68.30	16.47	150	346	Horizontal
5	5500.00	95.71	16.25	0.00	-95.71	150	346	Horizontal
6	5500.00	85.24	16.25	0.00	-85.24	150	346	Horizontal

**Final Data List**

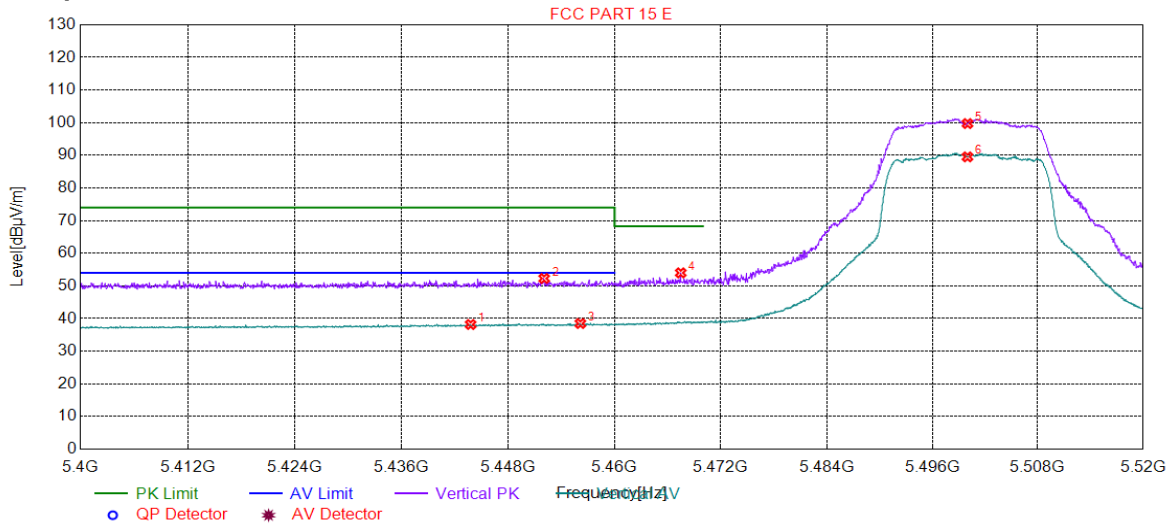


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4.11.1.26 802.11N20\_Channel 100

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5443.76	38.20	16.25	54.00	15.80	150	325	Vertical
2	5452.04	52.29	16.25	74.00	21.71	150	309	Vertical
3	5456.12	38.50	16.25	54.00	15.50	150	14	Vertical
4	5467.47	54.01	16.25	68.30	14.29	150	352	Vertical
5	5500.00	99.74	16.25	0.00	-99.74	150	314	Vertical
6	5500.00	89.54	16.25	0.00	-89.54	150	309	Vertical

Final Data List

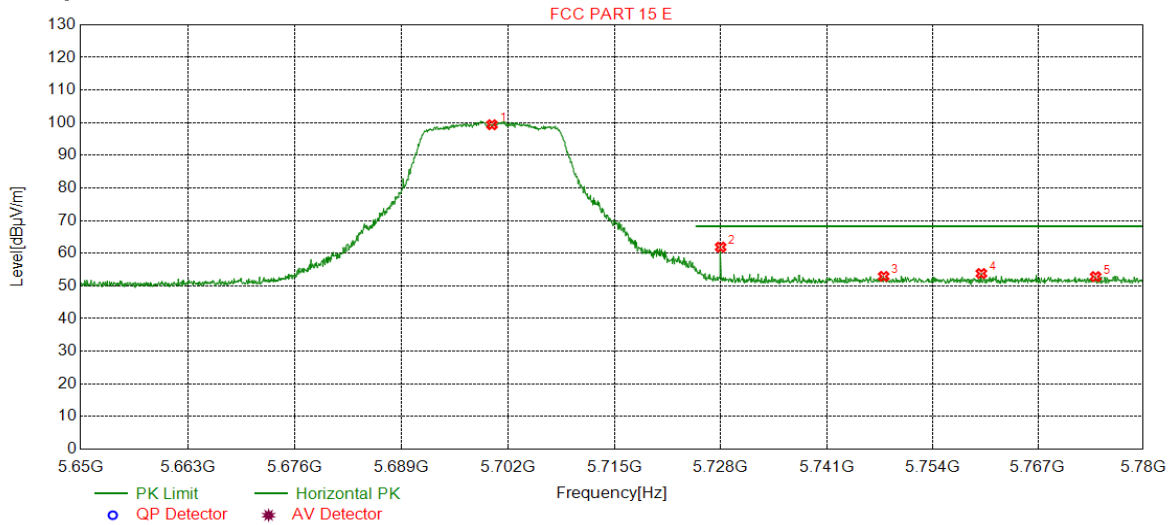


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**4.11.1.27 802.11N20\_Channel 140**

**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	99.38	16.80	0.00	-99.38	150	155	Horizontal
2	5727.97	61.90	16.98	68.30	6.40	150	345	Horizontal
3	5748.00	52.93	17.11	68.30	15.37	150	192	Horizontal
4	5760.03	53.82	17.13	68.30	14.48	150	140	Horizontal
5	5774.14	52.86	17.15	68.30	15.44	150	192	Horizontal

**Final Data List**

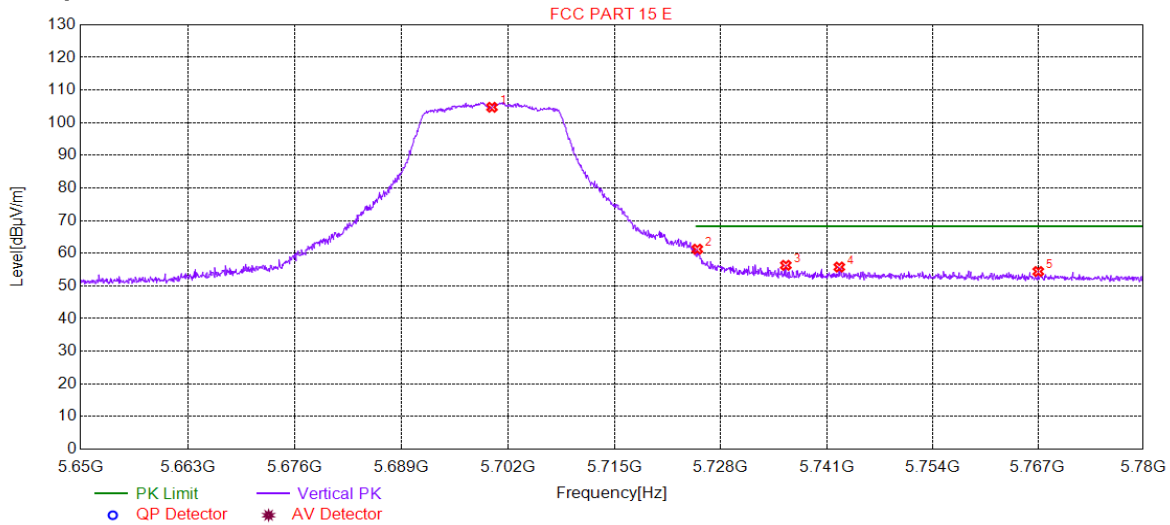


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**4.11.1.28 802.11N20\_Channel 140**

**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	104.73	16.80	0.00	-104.73	150	308	Vertical
2	5725.11	61.27	16.96	68.30	7.03	150	327	Vertical
3	5735.97	56.33	17.03	68.30	11.97	150	323	Vertical
4	5742.54	55.79	17.07	68.30	12.51	150	332	Vertical
5	5767.05	54.43	17.14	68.30	13.87	150	217	Vertical

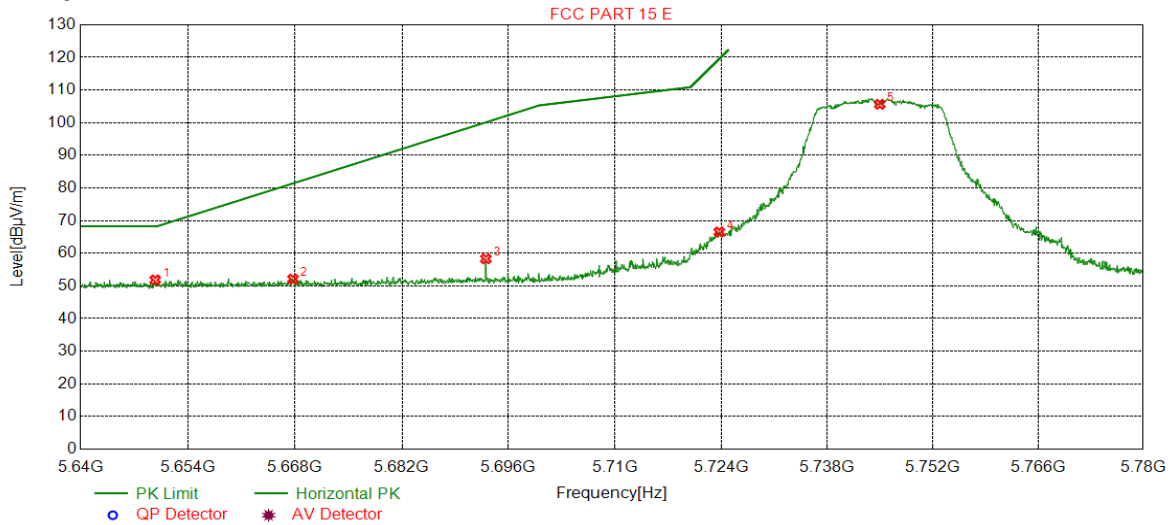
**Final Data List**



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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	5649.73	51.85	16.53	68.30	16.45	150	322	Horizontal
2	5667.73	52.11	16.63	81.42	29.31	150	248	Horizontal
3	5693.01	58.30	16.76	100.13	41.83	150	345	Horizontal
4	5723.76	66.53	16.95	119.48	52.95	150	290	Horizontal
5	5745.00	105.64	17.09	0.00	-105.64	150	267	Horizontal

**Final Data List**

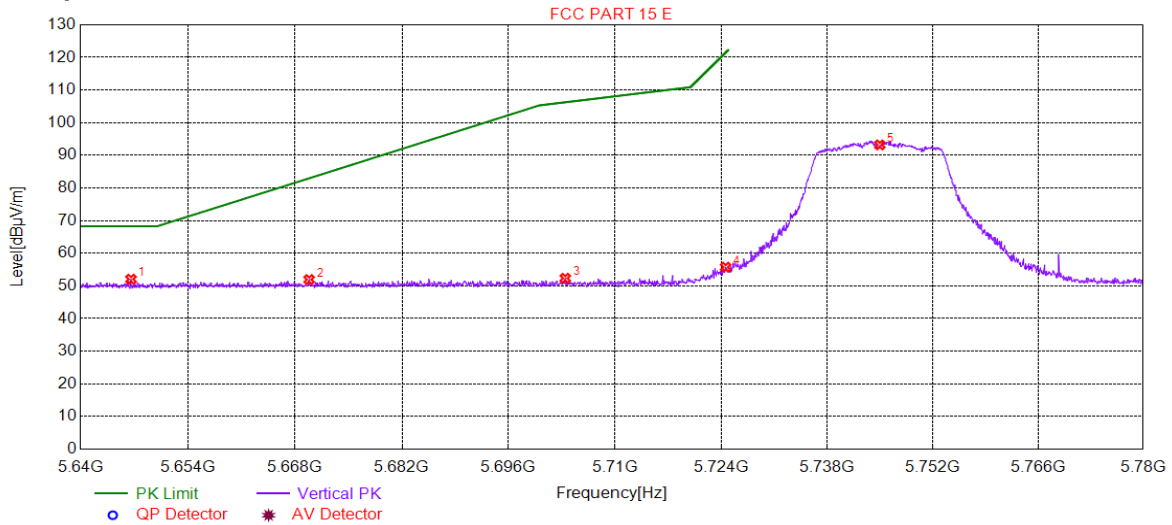


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**4.11.1.30 802.11N20\_Channel 149**

**Test Graph**



**Suspected List**

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5646.58	52.08	16.53	68.30	16.22	150	213	Vertical
2	5669.83	51.96	16.64	82.98	31.02	150	296	Vertical
3	5703.45	52.36	16.82	106.27	53.91	150	356	Vertical
4	5724.60	55.75	16.96	121.39	65.64	150	255	Vertical
5	5745.00	93.20	17.09	0.00	-93.20	150	250	Vertical

**Final Data List**

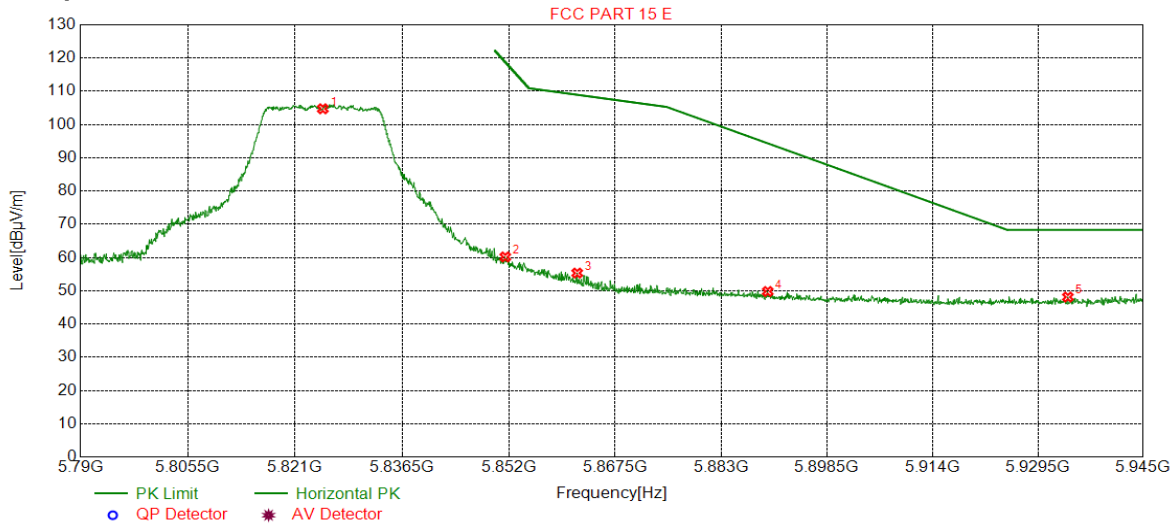


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**4.11.1.31 802.11N20\_Channel 165**

**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	104.74	17.23	0.00	-104.74	150	300	Horizontal
2	5851.48	60.19	17.26	118.91	58.72	150	304	Horizontal
3	5861.95	55.34	17.22	108.95	53.61	150	314	Horizontal
4	5889.79	49.80	17.14	94.35	44.55	150	295	Horizontal
5	5933.91	48.13	17.63	68.30	20.17	150	281	Horizontal

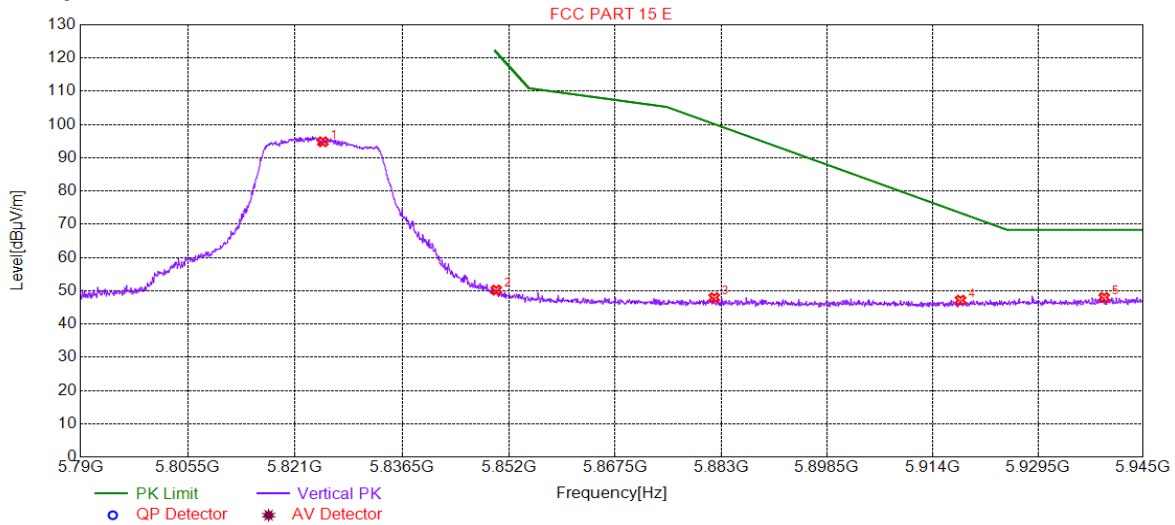
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**4.11.1.32 802.11N20\_Channel 165**

**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	94.81	17.23	0.00	-94.81	150	207	Vertical
2	5850.17	50.24	17.26	121.91	71.67	150	252	Vertical
3	5881.96	47.94	17.16	100.15	52.21	150	16	Vertical
4	5918.09	47.19	17.39	73.41	26.22	150	16	Vertical
5	5939.26	48.01	17.71	68.30	20.29	150	170	Vertical

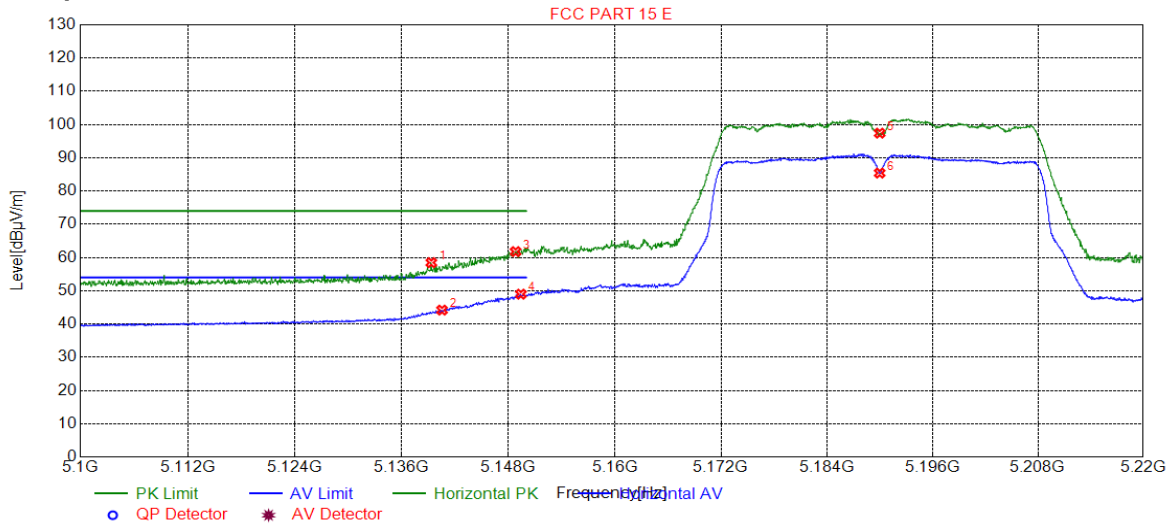
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**4.11.1.33 802.11N40\_Channel 38**

**Test Graph**



**Suspected List**

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5139.31	58.47	15.43	74.00	15.53	150	194	Horizontal
2	5140.52	44.21	15.44	54.00	9.79	150	210	Horizontal
3	5148.80	61.79	15.51	74.00	12.21	150	199	Horizontal
4	5149.40	48.99	15.51	54.00	5.01	150	205	Horizontal
5	5190.00	97.41	15.58	0.00	-97.41	150	194	Horizontal
6	5190.00	85.41	15.58	0.00	-85.41	150	194	Horizontal

**Final Data List**

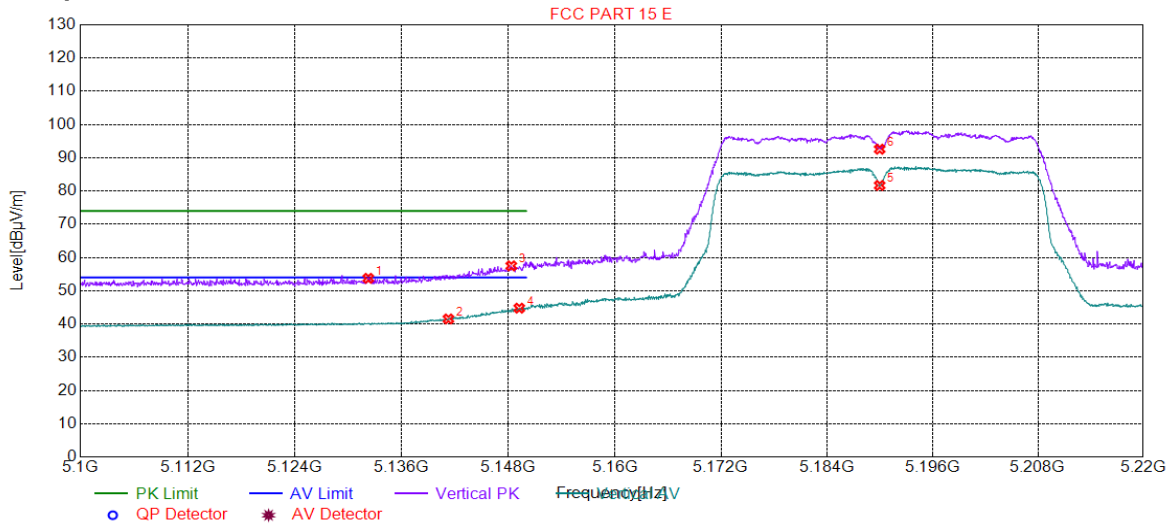


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**4.11.1.34 802.11N40\_Channel 38**

**Test Graph**



**Suspected List**

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5132.23	53.77	15.37	74.00	20.23	150	360	Vertical
2	5141.24	41.54	15.44	54.00	12.46	150	29	Vertical
3	5148.32	57.50	15.51	74.00	16.50	150	318	Vertical
4	5149.22	44.79	15.51	54.00	9.21	150	313	Vertical
5	5190.00	81.69	15.58	0.00	-81.69	150	122	Vertical
6	5190.00	92.59	15.58	0.00	-92.59	150	127	Vertical

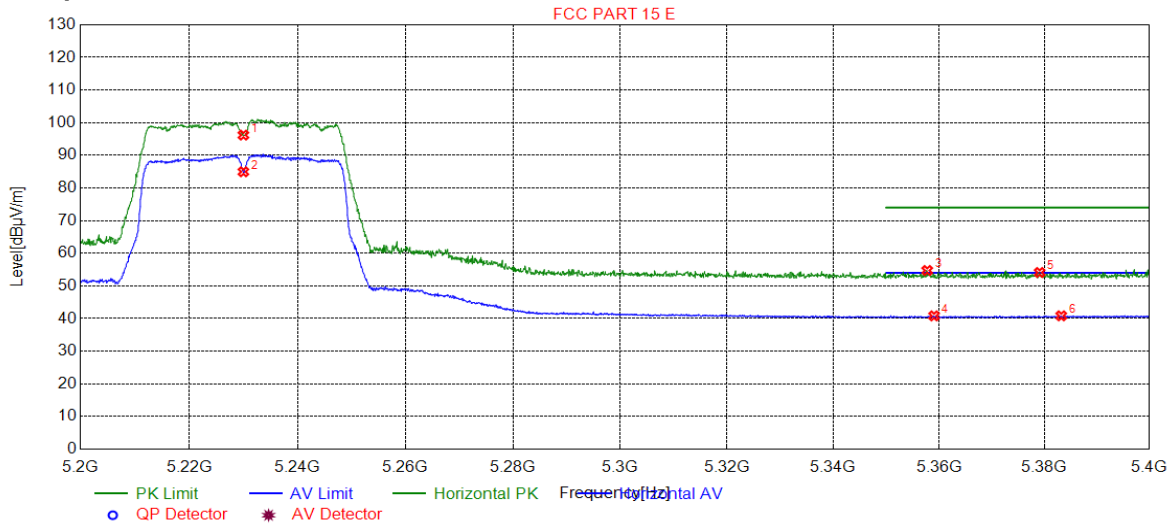
**Final Data List**



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**4.11.1.35 802.11N40\_Channel 46**

**Test Graph**



**Suspected List**

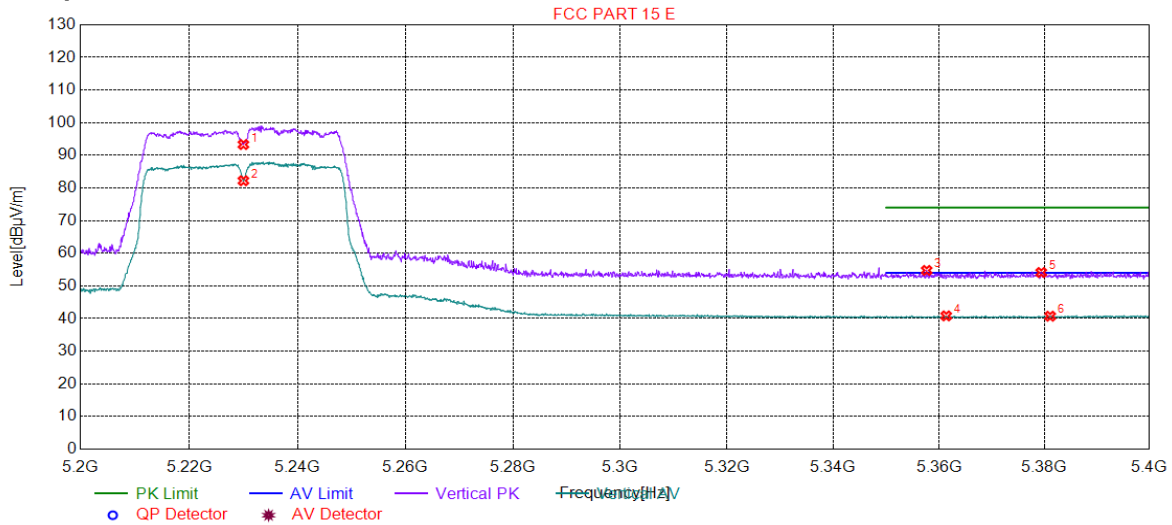
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5230.00	96.21	15.51	0.00	-96.21	150	195	Horizontal
2	5230.00	84.97	15.51	0.00	-84.97	150	78	Horizontal
3	5357.77	54.74	15.99	74.00	19.26	150	344	Horizontal
4	5359.07	40.83	16.00	54.00	13.17	150	37	Horizontal
5	5379.08	54.12	16.12	74.00	19.88	150	9	Horizontal
6	5383.19	40.85	16.15	54.00	13.15	150	305	Horizontal

**Final Data List**



**4.11.1.36 802.11N40\_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	93.32	15.51	0.00	-93.32	150	124	Vertical
2	5230.00	82.23	15.51	0.00	-82.23	150	124	Vertical
3	5357.67	54.76	15.99	74.00	19.24	150	110	Vertical
4	5361.38	40.83	16.01	54.00	13.17	150	221	Vertical
5	5379.38	54.12	16.12	74.00	19.88	150	83	Vertical
6	5381.09	40.74	16.13	54.00	13.26	150	270	Vertical

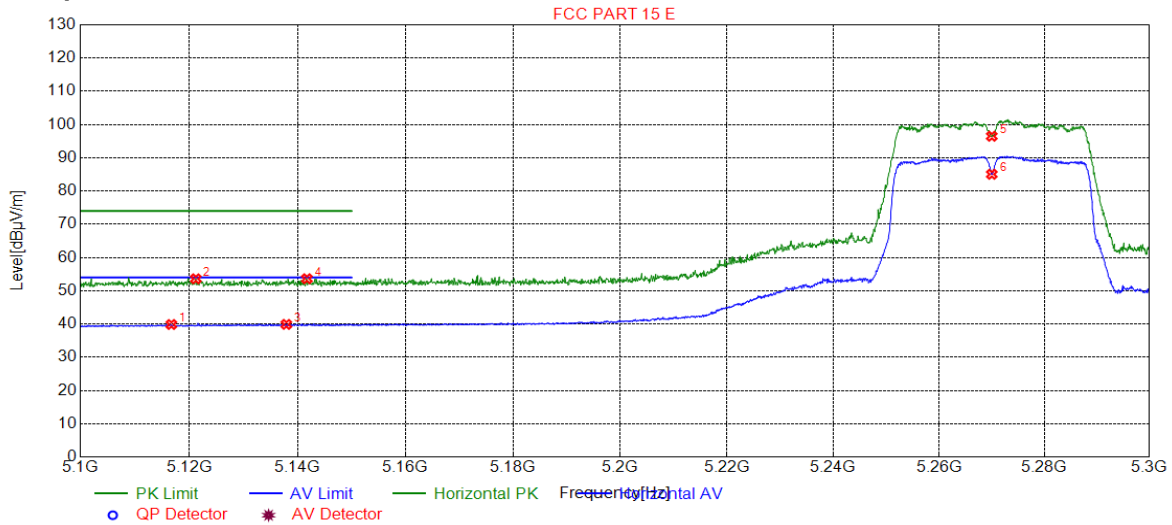
**Final Data List**



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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	5116.70	39.88	15.23	54.00	14.12	150	173	Horizontal
2	5121.21	53.61	15.27	74.00	20.39	150	28	Horizontal
3	5137.91	39.91	15.42	54.00	14.09	150	14	Horizontal
4	5141.72	53.64	15.45	74.00	20.36	150	304	Horizontal
5	5270.00	96.49	15.56	0.00	-96.49	150	193	Horizontal
6	5270.00	85.05	15.56	0.00	-85.05	150	83	Horizontal

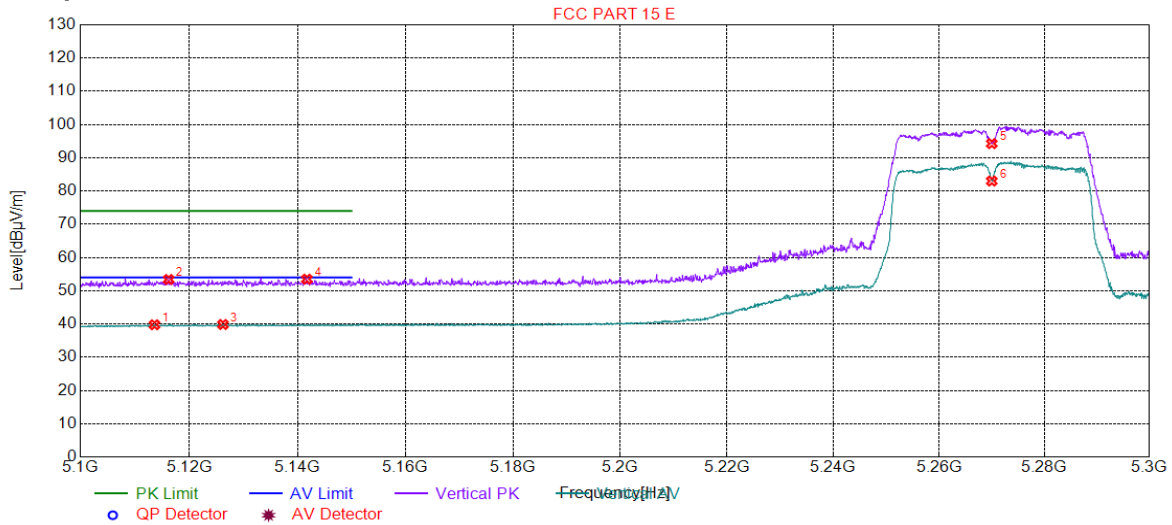
**Final Data List**





**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	5113.60	39.80	15.21	54.00	14.20	150	116	Vertical
2	5116.20	53.42	15.23	74.00	20.58	150	260	Vertical
3	5126.21	39.88	15.32	54.00	14.12	150	137	Vertical
4	5141.72	53.51	15.45	74.00	20.49	150	260	Vertical
5	5270.00	94.27	15.56	0.00	-94.27	150	123	Vertical
6	5270.00	83.01	15.56	0.00	-83.01	150	116	Vertical

**Final Data List**

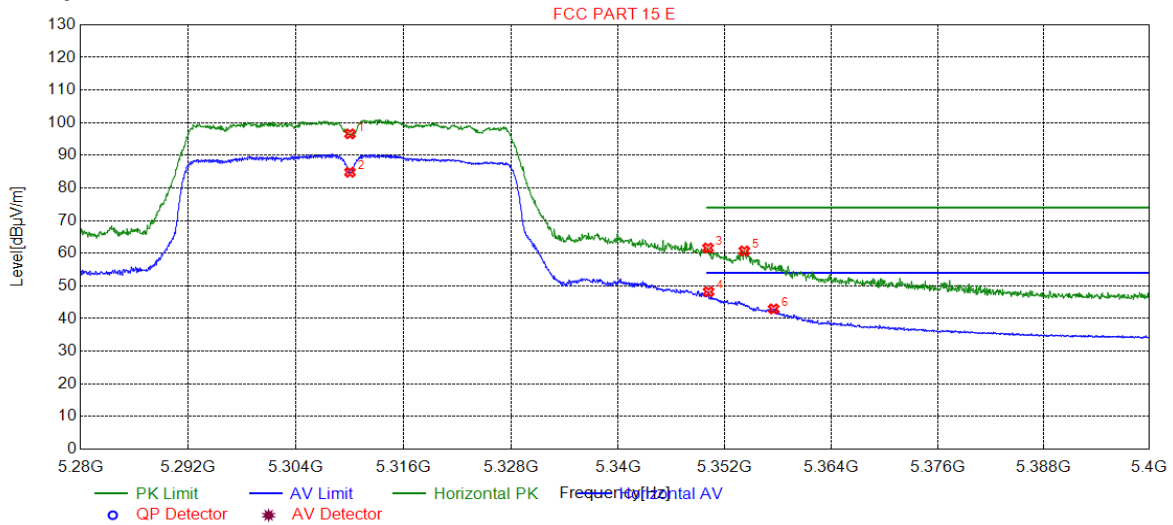


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**4.11.1.39 802.11N40\_Channel 62**

**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	96.59	15.75	0.00	-96.59	150	81	Horizontal
2	5310.00	84.83	15.75	0.00	-84.83	150	81	Horizontal
3	5350.11	61.63	15.94	74.00	12.37	150	74	Horizontal
4	5350.17	48.23	15.94	54.00	5.77	150	81	Horizontal
5	5354.19	60.72	15.97	74.00	13.28	150	25	Horizontal
6	5357.49	42.97	15.99	54.00	11.03	150	81	Horizontal

**Final Data List**

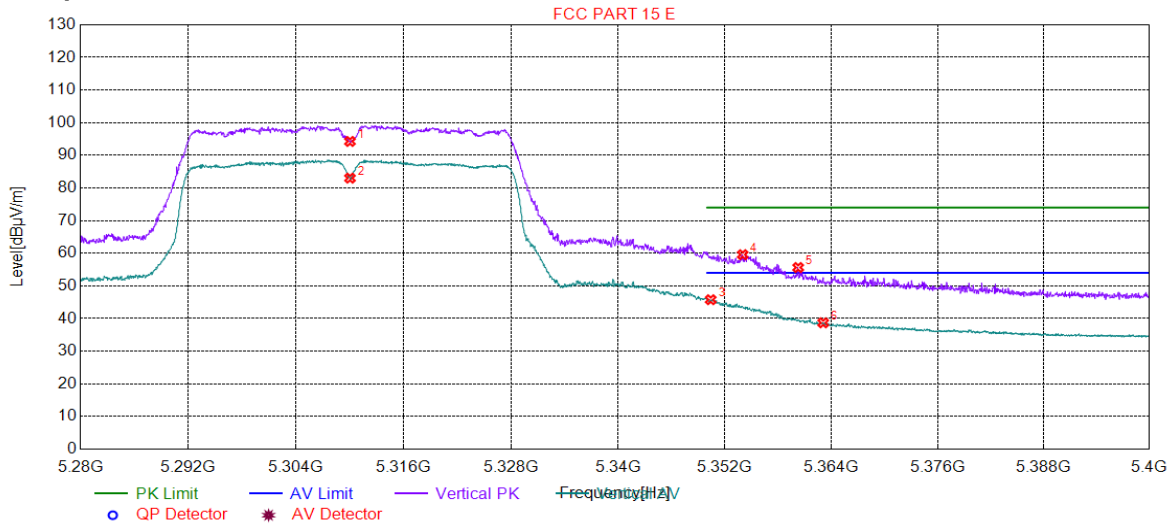


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**4.11.1.40 802.11N40\_Channel 62**

**Test Graph**



**Suspected List**

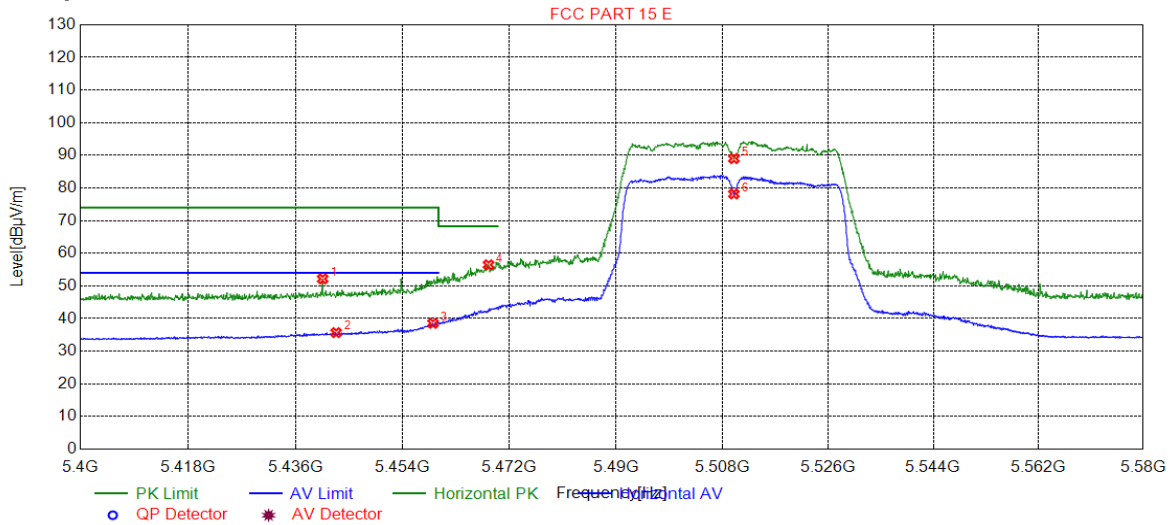
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5310.00	94.27	15.75	0.00	-94.27	150	118	Vertical
2	5310.00	83.03	15.75	0.00	-83.03	150	118	Vertical
3	5350.41	45.79	15.94	54.00	8.21	150	111	Vertical
4	5354.01	59.59	15.96	74.00	14.41	150	16	Vertical
5	5360.26	55.65	16.00	74.00	18.35	150	118	Vertical
6	5363.08	38.71	16.02	54.00	15.29	150	358	Vertical

**Final Data List**



**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	5440.52	52.17	16.25	74.00	21.83	150	37	Horizontal
2	5442.77	35.71	16.25	54.00	18.29	150	344	Horizontal
3	5459.06	38.56	16.25	54.00	15.44	150	0	Horizontal
4	5468.43	56.48	16.25	68.30	11.82	150	344	Horizontal
5	5510.00	89.01	16.28	0.00	-89.01	150	0	Horizontal
6	5510.00	78.18	16.28	0.00	-78.18	150	3	Horizontal

**Final Data List**

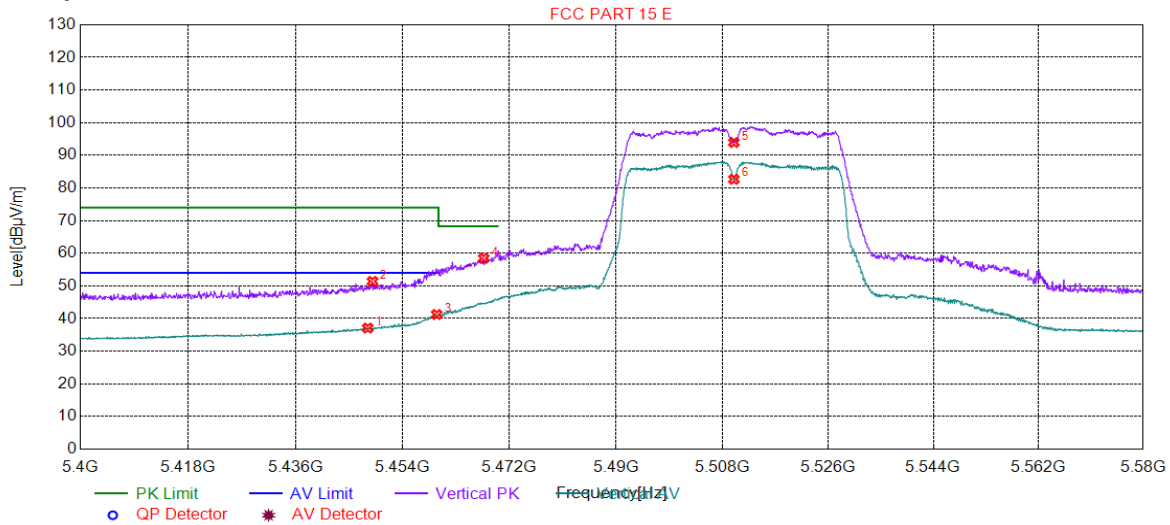


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**4.11.1.42 802.11N40\_Channel 102**

**Test Graph**



**Suspected List**

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5448.08	37.10	16.25	54.00	16.90	150	15	Vertical
2	5448.89	51.40	16.25	74.00	22.60	150	15	Vertical
3	5459.69	41.25	16.25	54.00	12.75	150	316	Vertical
4	5467.62	58.46	16.25	68.30	9.84	150	323	Vertical
5	5510.00	93.95	16.28	0.00	-93.95	150	357	Vertical
6	5510.00	82.68	16.28	0.00	-82.68	150	323	Vertical

**Final Data List**

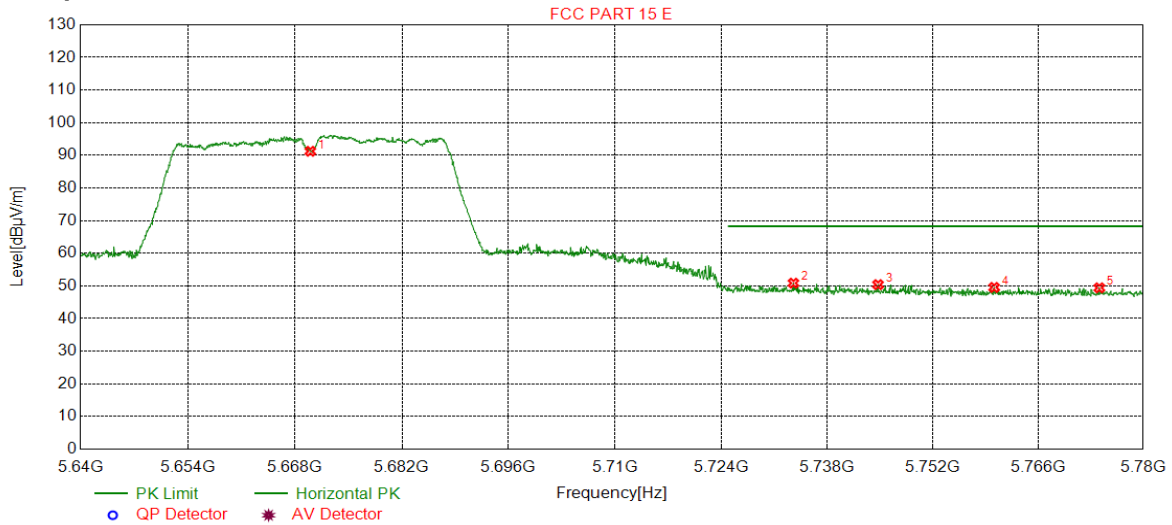


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**4.11.1.43 802.11N40\_Channel 134**

**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	91.25	16.64	0.00	-91.25	150	148	Horizontal
2	5733.56	50.86	17.01	68.30	17.44	150	148	Horizontal
3	5744.77	50.41	17.09	68.30	17.89	150	189	Horizontal
4	5760.18	49.55	17.13	68.30	18.75	150	180	Horizontal
5	5774.18	49.42	17.15	68.30	18.88	150	162	Horizontal

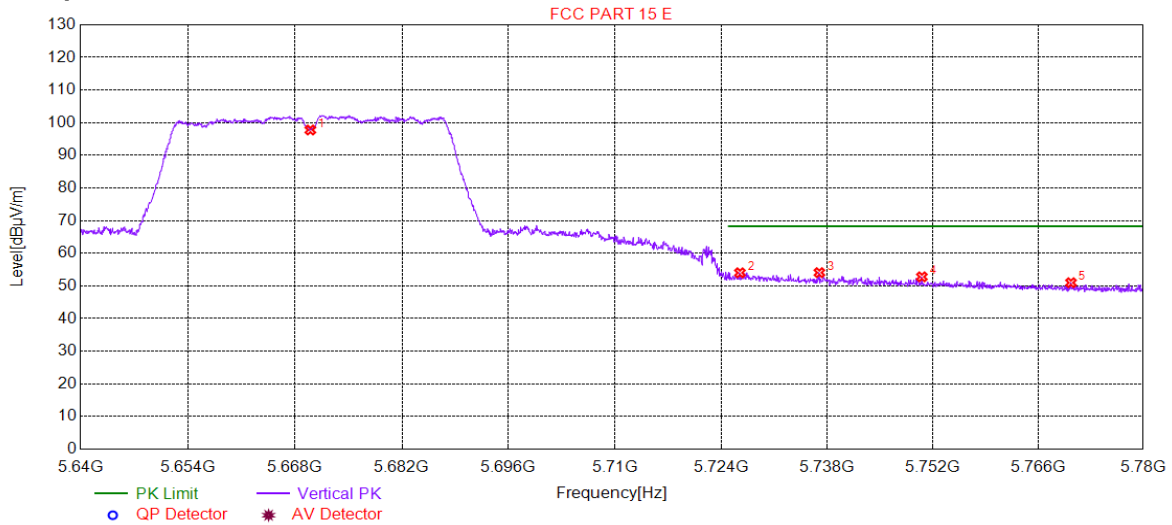
**Final Data List**



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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	97.77	16.64	0.00	-97.77	150	309	Vertical
2	5726.49	54.03	16.97	68.30	14.27	150	309	Vertical
3	5736.99	54.08	17.04	68.30	14.22	150	323	Vertical
4	5750.58	52.80	17.12	68.30	15.50	150	314	Vertical
5	5770.40	50.99	17.15	68.30	17.31	150	323	Vertical

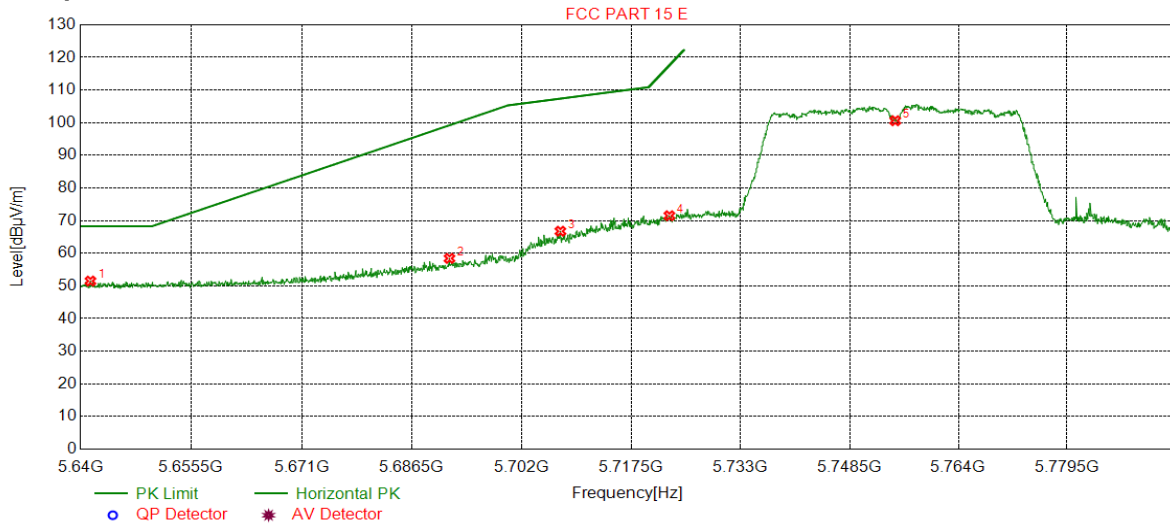
**Final Data List**



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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	5641.39	51.50	16.54	68.30	16.80	150	239	Horizontal
2	5691.79	58.44	16.76	99.23	40.79	150	294	Horizontal
3	5707.45	66.76	16.85	107.39	40.63	150	290	Horizontal
4	5722.88	71.51	16.95	117.49	45.98	150	290	Horizontal
5	5755.00	100.61	17.13	0.00	-100.61	150	290	Horizontal

**Final Data List**



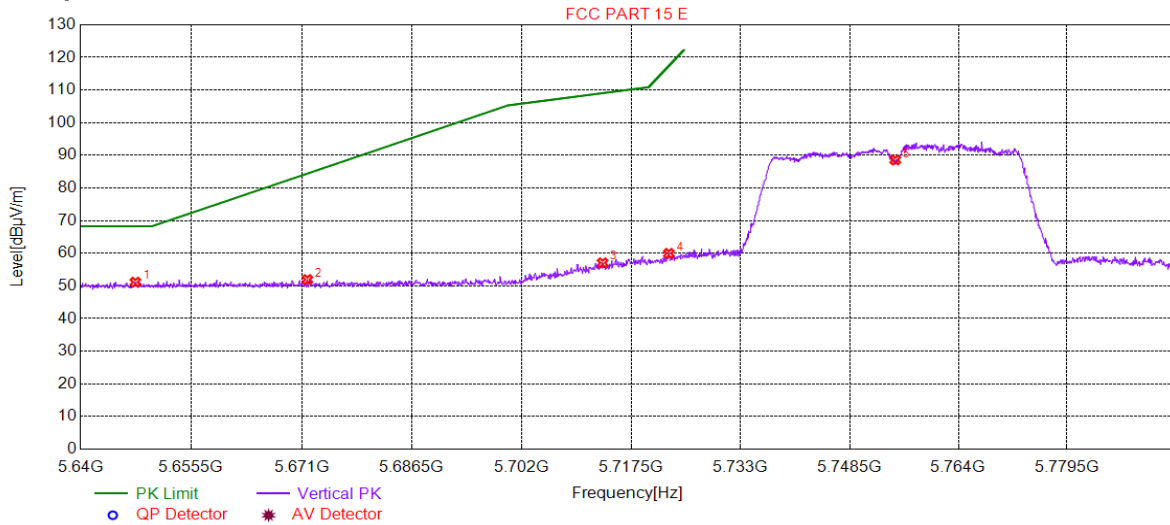
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**4.11.1.46 802.11N40\_Channel 151**

**Test Graph**



**Suspected List**

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5647.67	51.17	16.53	68.30	17.13	150	294	Vertical
2	5671.79	51.96	16.65	84.43	32.47	150	189	Vertical
3	5713.42	57.08	16.89	109.06	51.98	150	252	Vertical
4	5722.81	59.98	16.95	117.31	57.33	150	252	Vertical
5	5755.00	88.60	17.13	0.00	-88.60	150	143	Vertical

**Final Data List**

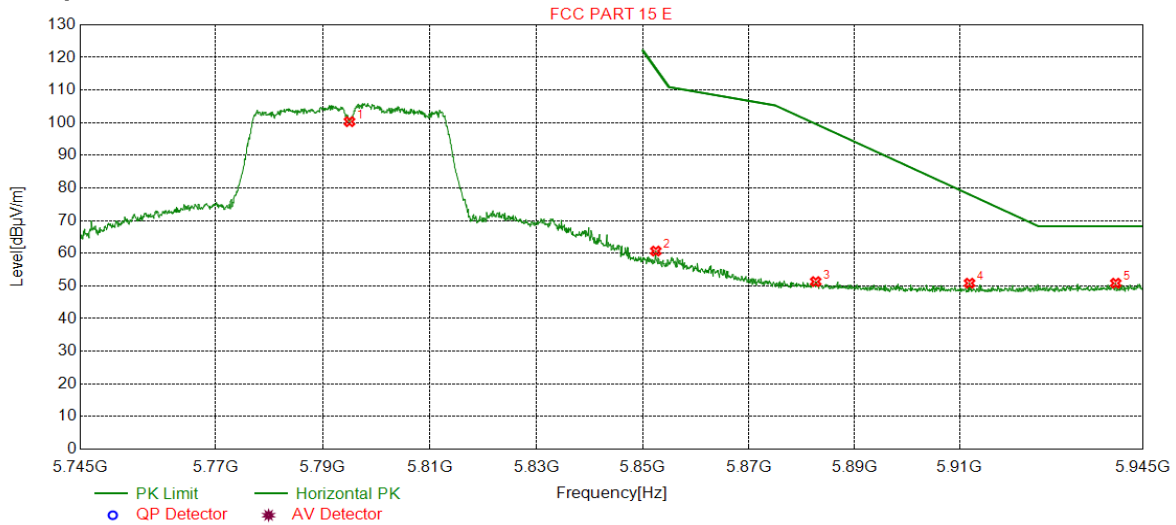


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**4.11.1.47 802.11N40\_Channel 159**

**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	100.32	17.18	0.00	-100.32	150	290	Horizontal
2	5852.45	60.69	17.25	116.71	56.02	150	45	Horizontal
3	5882.66	51.33	17.16	99.63	48.30	150	198	Horizontal
4	5911.88	50.84	17.29	78.01	27.17	150	318	Horizontal
5	5939.79	50.84	17.72	68.30	17.46	150	77	Horizontal

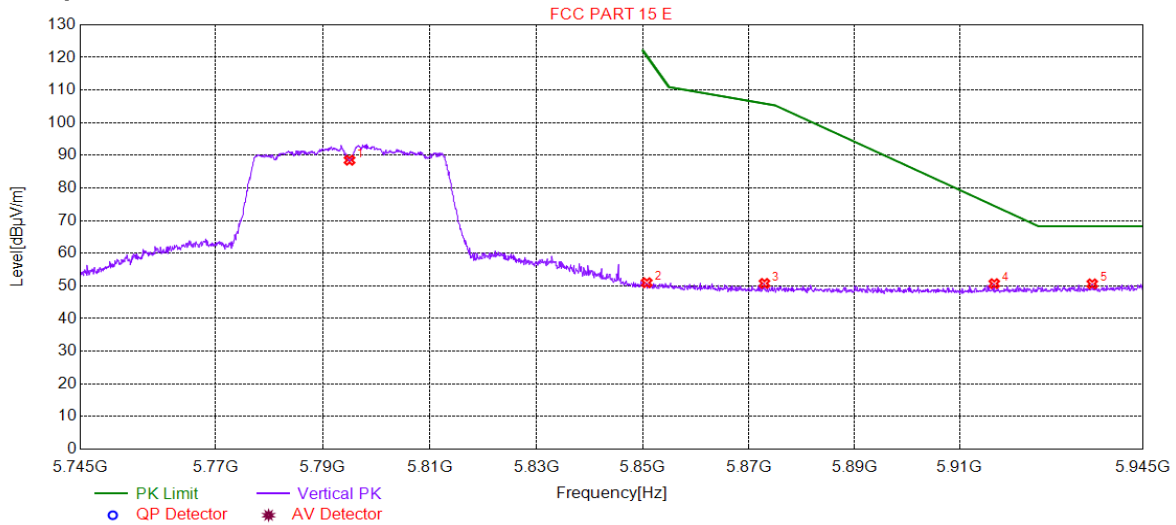
**Final Data List**



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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	88.52	17.18	0.00	-88.52	150	203	Vertical
2	5850.75	50.98	17.26	120.58	69.60	150	144	Vertical
3	5872.96	50.78	17.19	105.87	55.09	150	310	Vertical
4	5916.58	50.71	17.37	74.53	23.82	150	135	Vertical
5	5935.29	50.64	17.65	68.30	17.66	150	67	Vertical

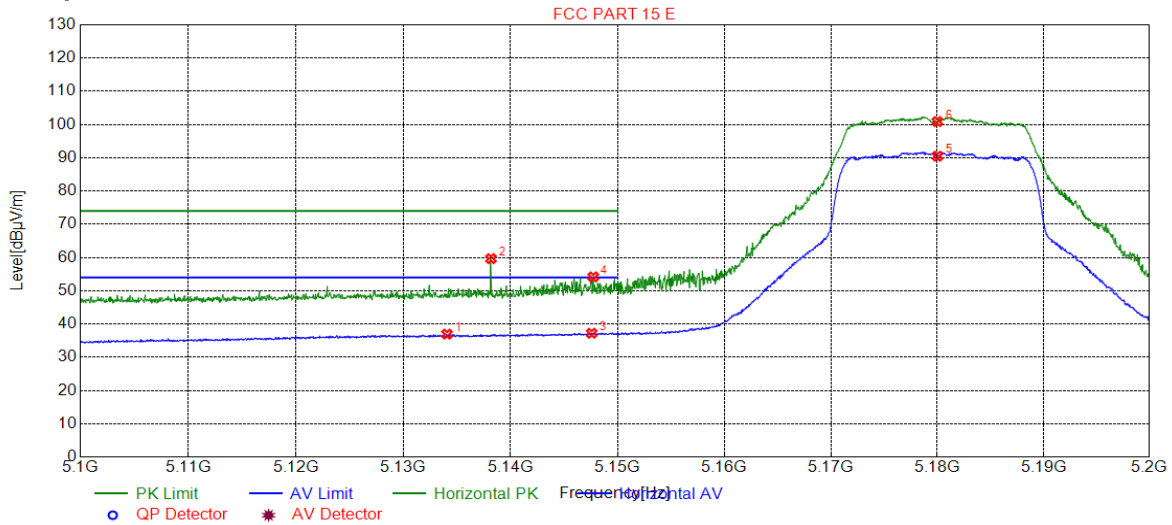
**Final Data List**



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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	5134.06	36.98	15.38	54.00	17.02	150	199	Horizontal
2	5138.16	59.68	15.42	74.00	14.32	150	209	Horizontal
3	5147.57	37.25	15.50	54.00	16.75	150	150	Horizontal
4	5147.72	54.19	15.50	74.00	19.81	150	193	Horizontal
5	5180.00	90.49	15.56	0.00	-90.49	150	150	Horizontal
6	5180.00	100.89	15.56	0.00	-100.89	150	188	Horizontal

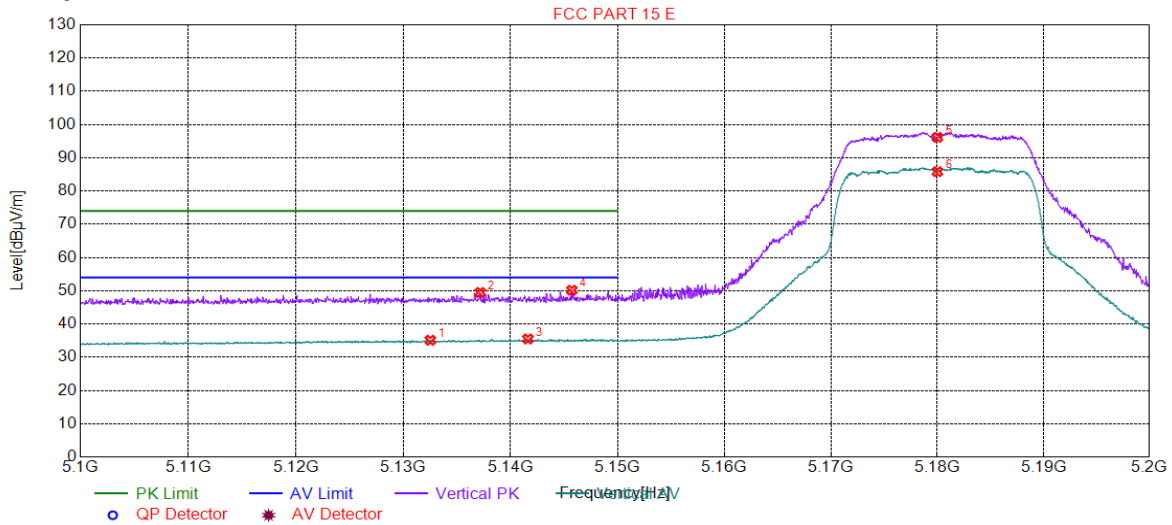
Final Data List



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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	5132.51	35.15	15.37	54.00	18.85	150	14	Vertical
2	5137.16	49.52	15.41	74.00	24.48	150	321	Vertical
3	5141.62	35.53	15.45	54.00	18.47	150	321	Vertical
4	5145.72	50.19	15.48	74.00	23.81	150	327	Vertical
5	5180.00	96.15	15.56	0.00	-96.15	150	117	Vertical
6	5180.00	85.83	15.56	0.00	-85.83	150	123	Vertical

**Final Data List**

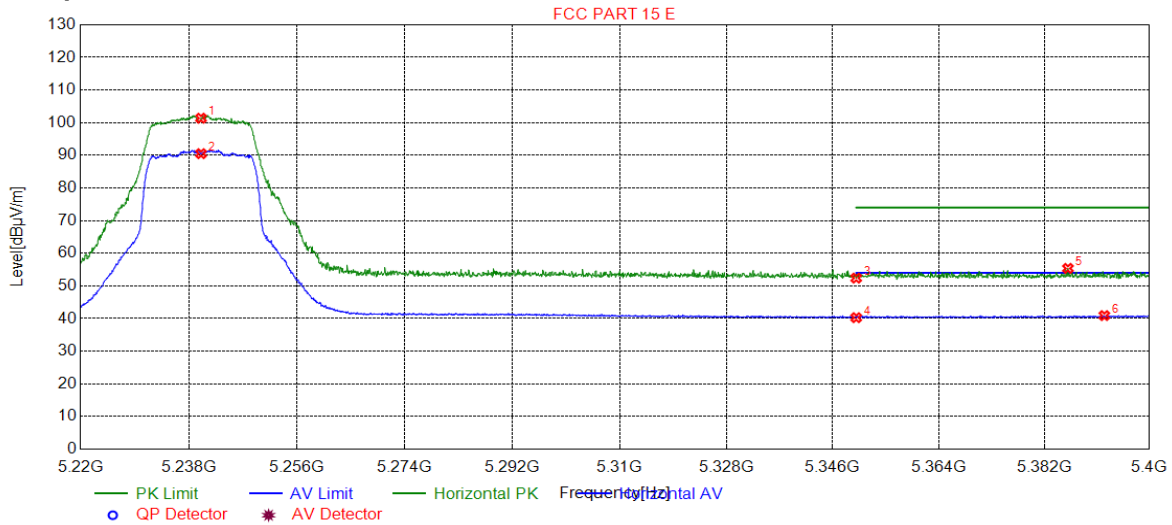


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**4.11.1.51 802.11AC20\_Channel 48**

**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	101.39	15.49	0.00	-101.39	150	75	Horizontal
2	5240.00	90.53	15.49	0.00	-90.53	150	194	Horizontal
3	5350.00	52.40	15.94	74.00	21.60	150	137	Horizontal
4	5350.00	40.29	15.94	54.00	13.71	150	269	Horizontal
5	5386.04	55.38	16.16	74.00	18.62	150	338	Horizontal
6	5392.25	40.92	16.20	54.00	13.08	150	234	Horizontal

**Final Data List**

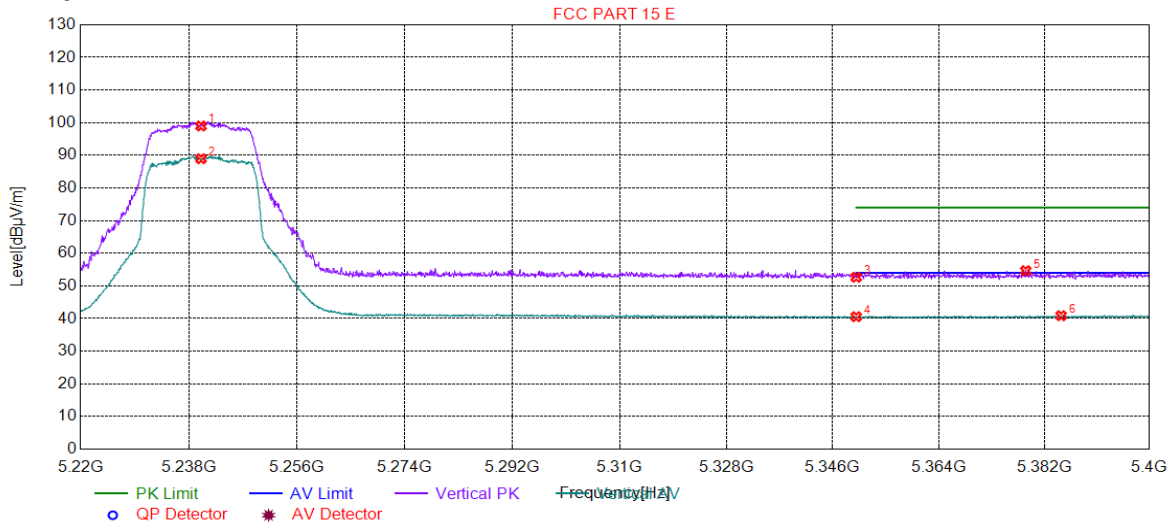


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**4.11.1.52 802.11AC20\_Channel 48**

**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	99.01	15.49	0.00	-99.01	150	124	Vertical
2	5240.00	88.96	15.49	0.00	-88.96	150	124	Vertical
3	5350.00	52.66	15.94	74.00	21.34	150	233	Vertical
4	5350.00	40.59	15.94	54.00	13.41	150	69	Vertical
5	5378.83	54.68	16.12	74.00	19.32	150	281	Vertical
6	5384.87	40.89	16.16	54.00	13.11	150	315	Vertical

**Final Data List**

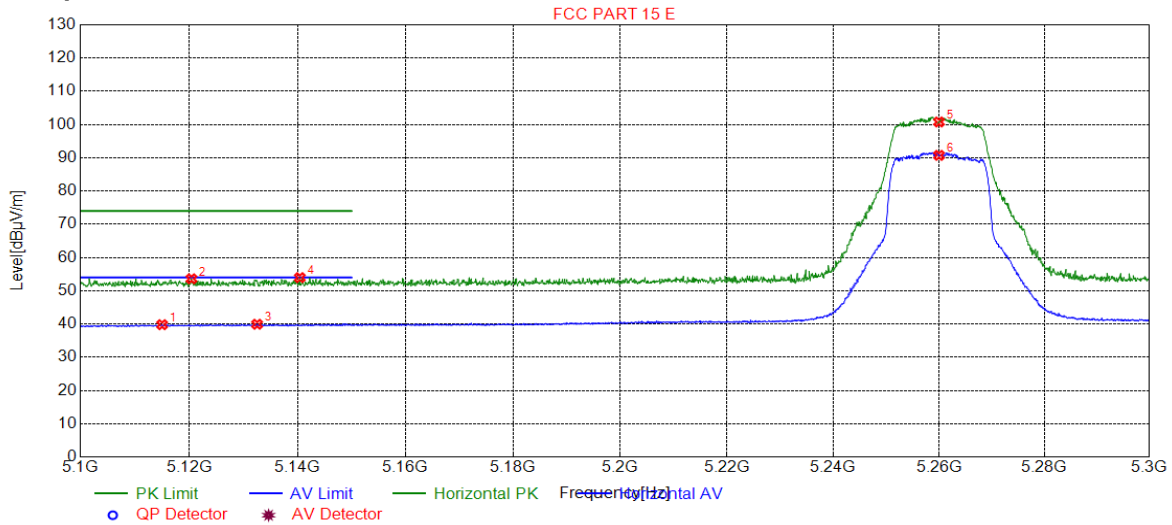


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**4.11.1.53 802.11AC20\_Channel 52**

**Test Graph**



**Suspected List**

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5115.00	39.82	15.22	54.00	14.18	150	28	Horizontal
2	5120.41	53.62	15.27	74.00	20.38	150	344	Horizontal
3	5132.51	39.95	15.37	54.00	14.05	150	332	Horizontal
4	5140.42	53.97	15.44	74.00	20.03	150	174	Horizontal
5	5260.00	100.78	15.51	0.00	-100.78	150	76	Horizontal
6	5260.00	90.73	15.51	0.00	-90.73	150	83	Horizontal

**Final Data List**



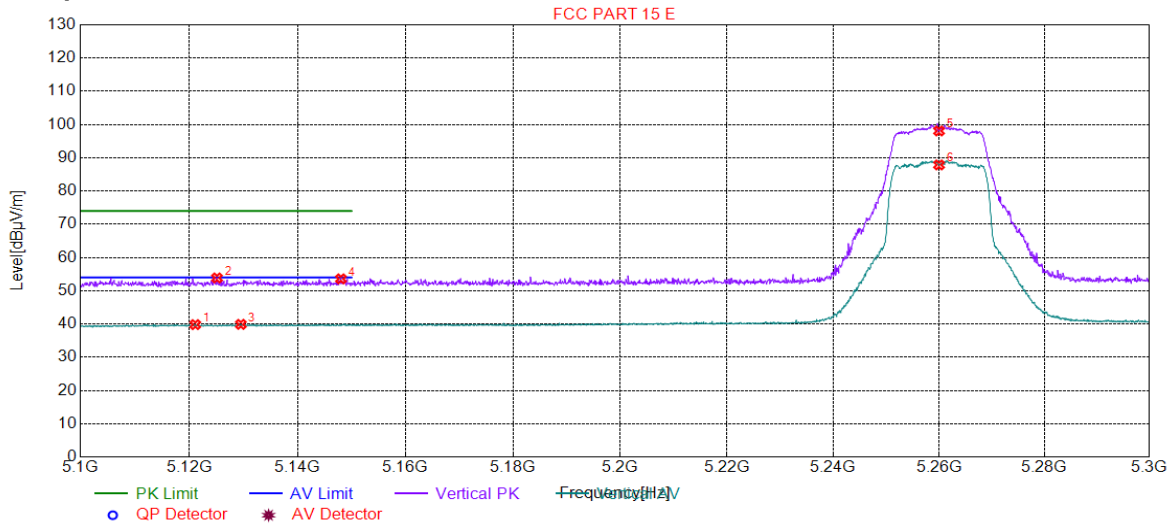
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4.11.1.54 802.11AC20\_Channel 52

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5121.11	39.84	15.27	54.00	14.16	150	353	Vertical
2	5125.11	53.87	15.31	74.00	20.13	150	360	Vertical
3	5129.51	39.92	15.34	54.00	14.08	150	139	Vertical
4	5148.02	53.60	15.50	74.00	20.40	150	42	Vertical
5	5260.00	98.07	15.51	0.00	-98.07	150	111	Vertical
6	5260.00	87.86	15.51	0.00	-87.86	150	125	Vertical

Final Data List

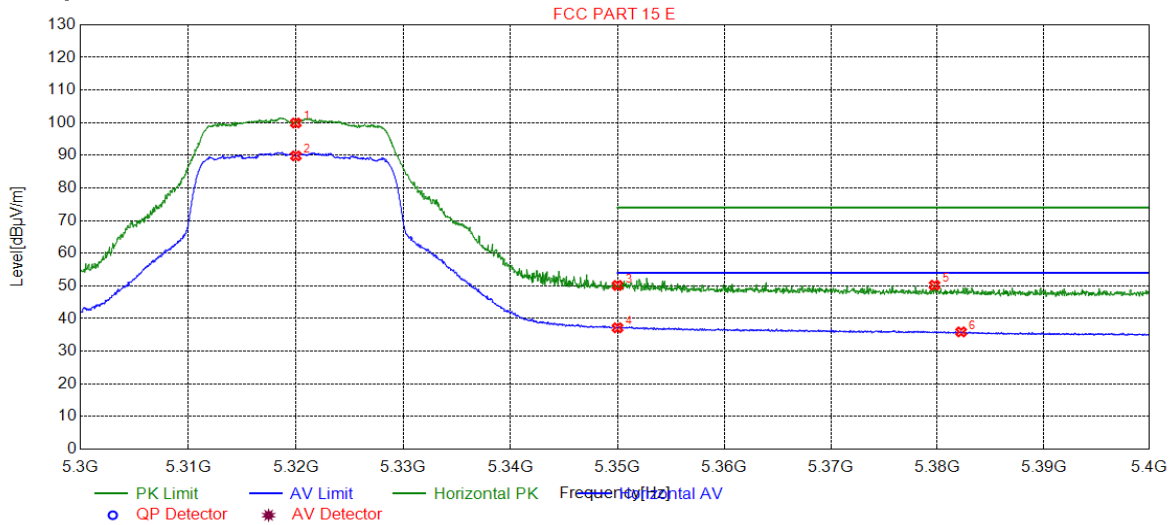


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**4.11.1.55 802.11AC20\_Channel 64**

**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	99.92	15.80	0.00	-99.92	150	84	Horizontal
2	5320.00	89.84	15.80	0.00	-89.84	150	36	Horizontal
3	5350.00	50.15	15.94	74.00	23.85	150	16	Horizontal
4	5350.00	37.18	15.94	54.00	16.82	150	188	Horizontal
5	5379.73	50.24	16.12	74.00	23.76	150	194	Horizontal
6	5382.24	35.93	16.14	54.00	18.07	150	188	Horizontal

**Final Data List**

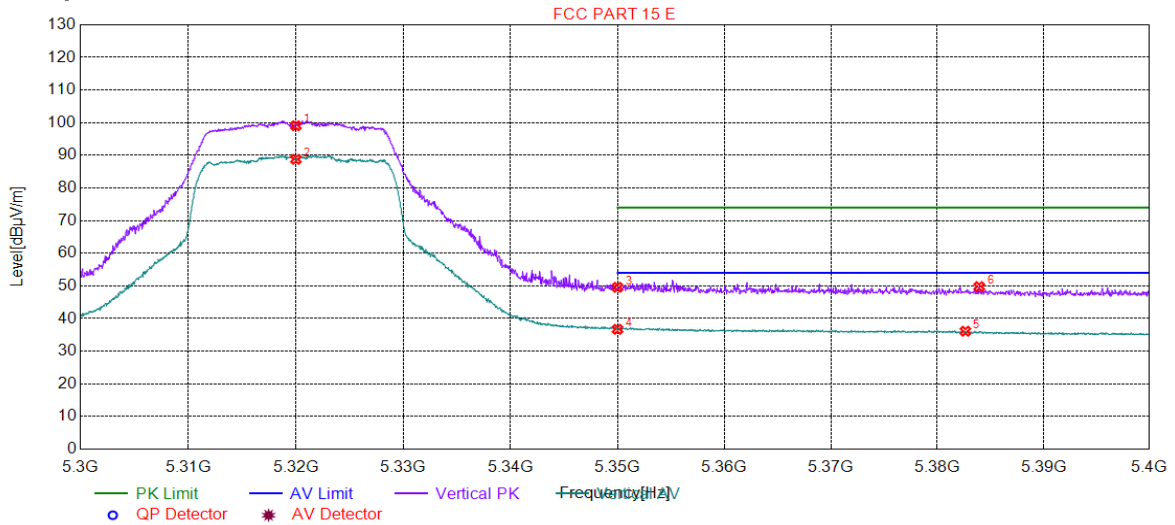


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**4.11.1.56 802.11AC20\_Channel 64**

**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	99.09	15.80	0.00	-99.09	150	125	Vertical
2	5320.00	88.79	15.80	0.00	-88.79	150	132	Vertical
3	5350.00	49.58	15.94	74.00	24.42	150	16	Vertical
4	5350.00	36.72	15.94	54.00	17.28	150	118	Vertical
5	5382.64	36.14	16.14	54.00	17.86	150	318	Vertical
6	5383.94	49.79	16.15	74.00	24.21	150	325	Vertical

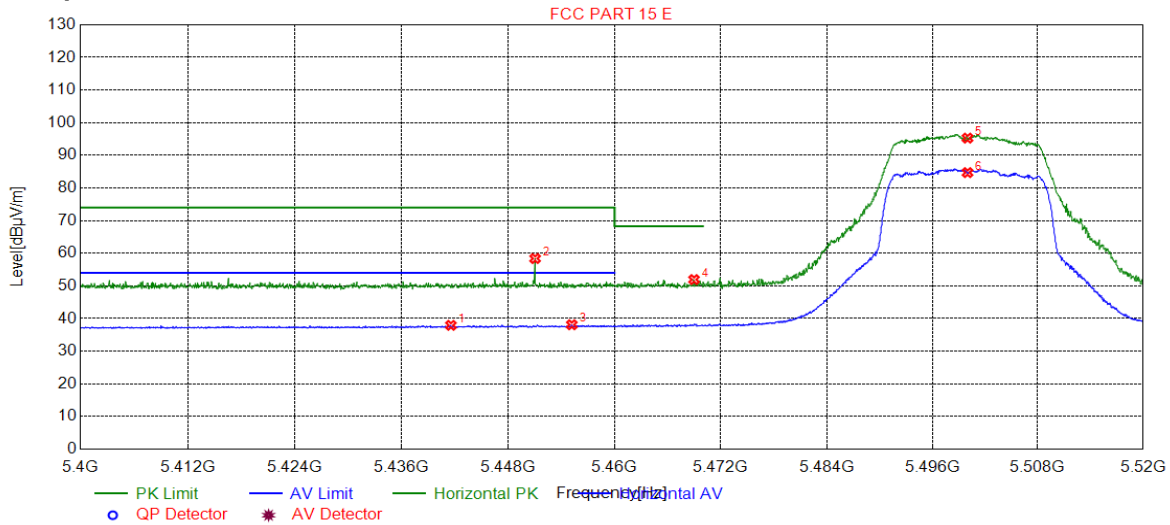
**Final Data List**



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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	5441.54	37.94	16.25	54.00	16.06	150	346	Horizontal
2	5451.02	58.40	16.25	74.00	15.60	150	42	Horizontal
3	5455.16	38.12	16.25	54.00	15.88	150	346	Horizontal
4	5468.97	51.96	16.25	68.30	16.34	150	179	Horizontal
5	5500.00	95.29	16.25	0.00	-95.29	150	0	Horizontal
6	5500.00	84.73	16.25	0.00	-84.73	150	346	Horizontal

**Final Data List**

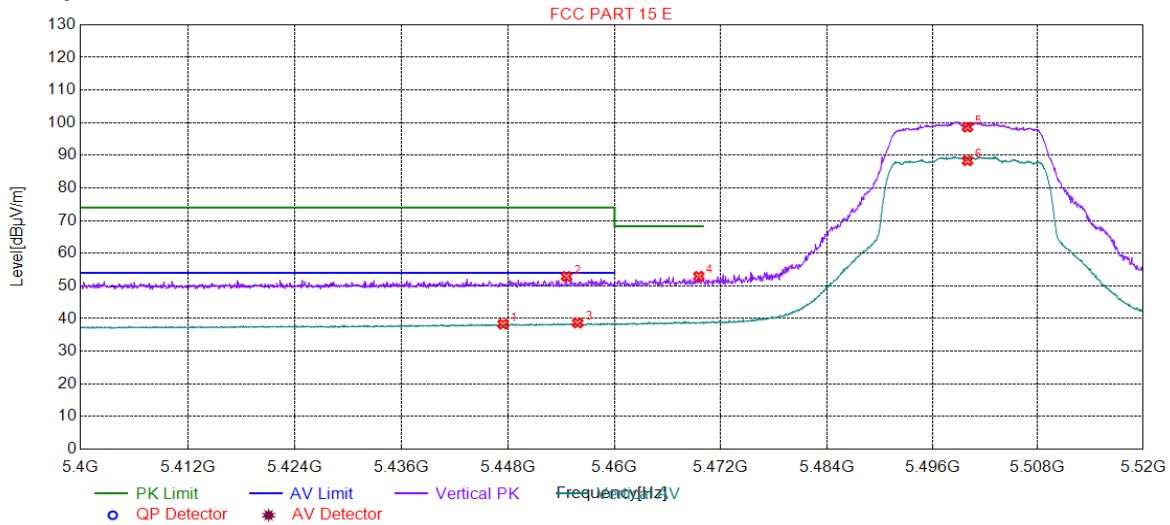


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**4.11.1.58 802.11AC20\_Channel 100**

**Test Graph**



**Suspected List**

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5447.42	38.30	16.25	54.00	15.70	150	351	Vertical
2	5454.56	52.90	16.25	74.00	21.10	150	24	Vertical
3	5455.82	38.64	16.25	54.00	15.36	150	351	Vertical
4	5469.51	52.96	16.25	68.30	15.34	150	360	Vertical
5	5500.00	98.65	16.25	0.00	-98.65	150	329	Vertical
6	5500.00	88.36	16.25	0.00	-88.36	150	351	Vertical

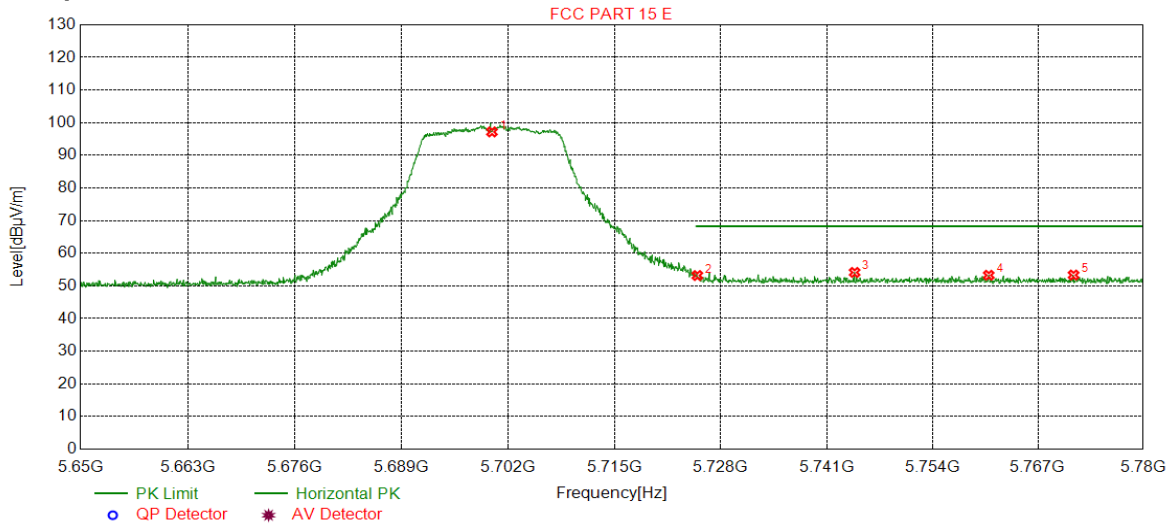
**Final Data List**



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**4.11.1.59 802.11AC20\_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	97.18	16.80	0.00	-97.18	150	152	Horizontal
2	5725.11	53.19	16.96	68.30	15.11	150	180	Horizontal
3	5744.42	54.14	17.08	68.30	14.16	150	152	Horizontal
4	5760.94	53.28	17.14	68.30	15.02	150	152	Horizontal
5	5771.41	53.34	17.15	68.30	14.96	150	147	Horizontal

**Final Data List**

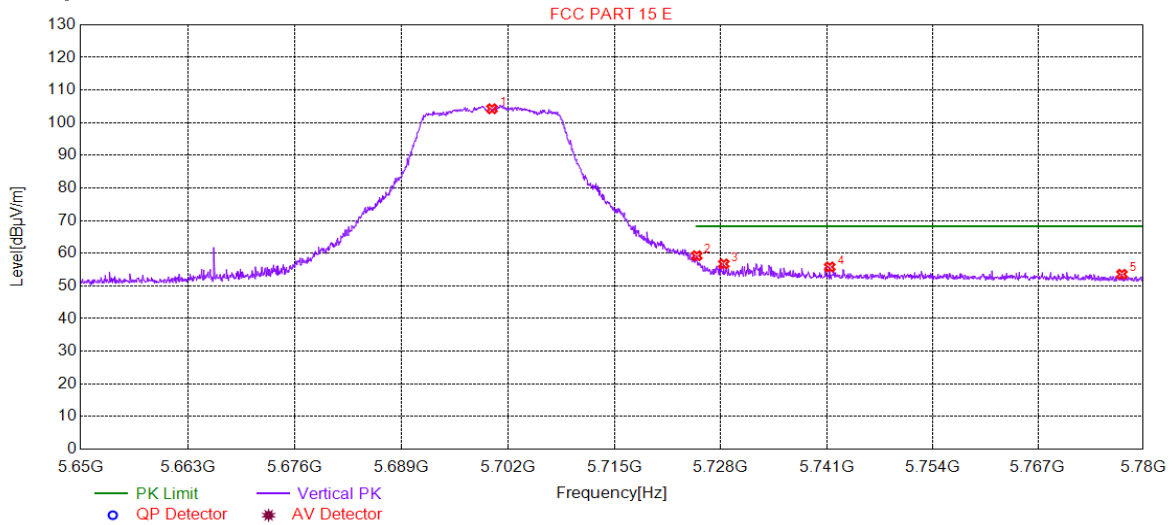


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**4.11.1.60 802.11AC20\_Channel 140**

**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	104.28	16.80	0.00	-104.28	150	314	Vertical
2	5725.04	59.26	16.96	68.30	9.04	150	314	Vertical
3	5728.36	56.75	16.98	68.30	11.55	150	319	Vertical
4	5741.37	55.82	17.06	68.30	12.48	150	319	Vertical
5	5777.39	53.59	17.16	68.30	14.71	150	277	Vertical

**Final Data List**

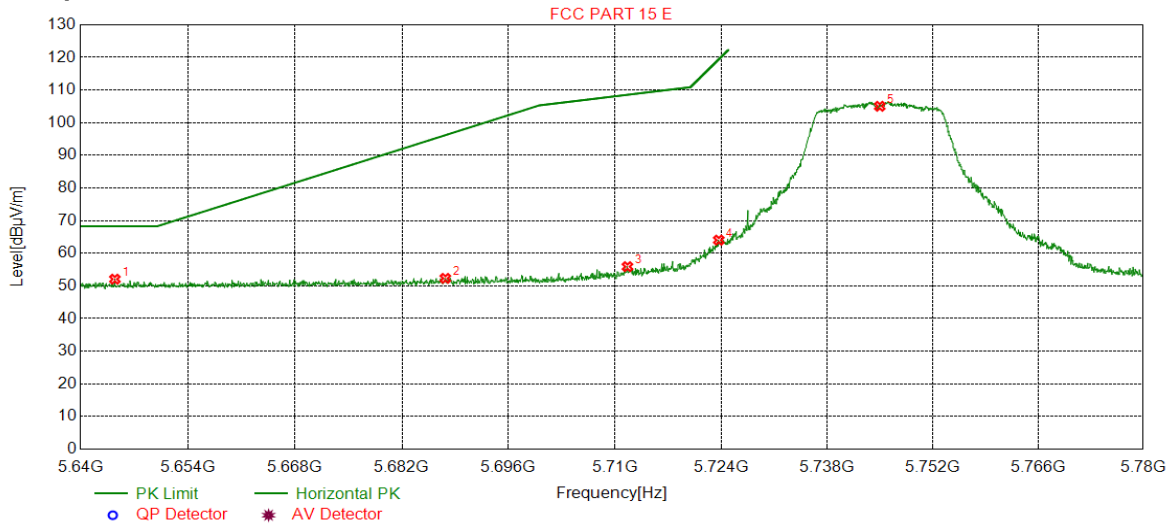


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**4.11.1.61 802.11AC20\_Channel 149**

**Test Graph**



**Suspected List**

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5644.48	52.08	16.54	68.30	16.22	150	217	Horizontal
2	5687.69	52.33	16.73	96.19	43.86	150	304	Horizontal
3	5711.64	55.91	16.87	108.56	52.65	150	300	Horizontal
4	5723.69	64.04	16.95	119.32	55.28	150	290	Horizontal
5	5745.00	105.04	17.09	0.00	-105.04	150	290	Horizontal

**Final Data List**



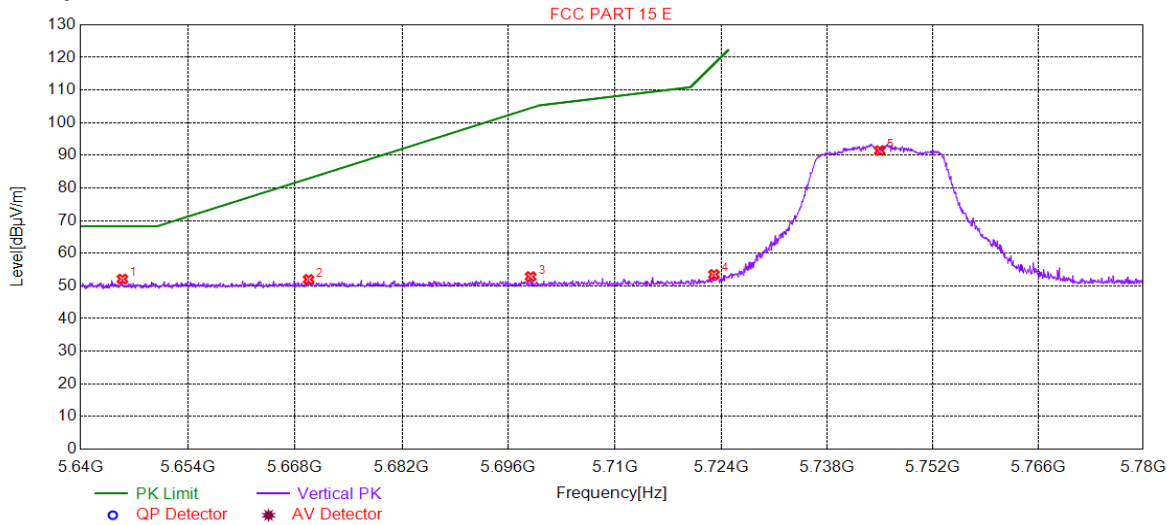
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**4.11.1.62 802.11AC20\_Channel 149**

**Test Graph**



**Suspected List**

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5645.46	52.11	16.54	68.30	16.19	150	90	Vertical
2	5669.76	51.99	16.64	82.93	30.94	150	20	Vertical
3	5698.89	52.87	16.79	104.49	51.62	150	48	Vertical
4	5723.06	53.51	16.95	117.88	64.37	150	209	Vertical
5	5745.00	91.47	17.09	0.00	-91.47	150	209	Vertical

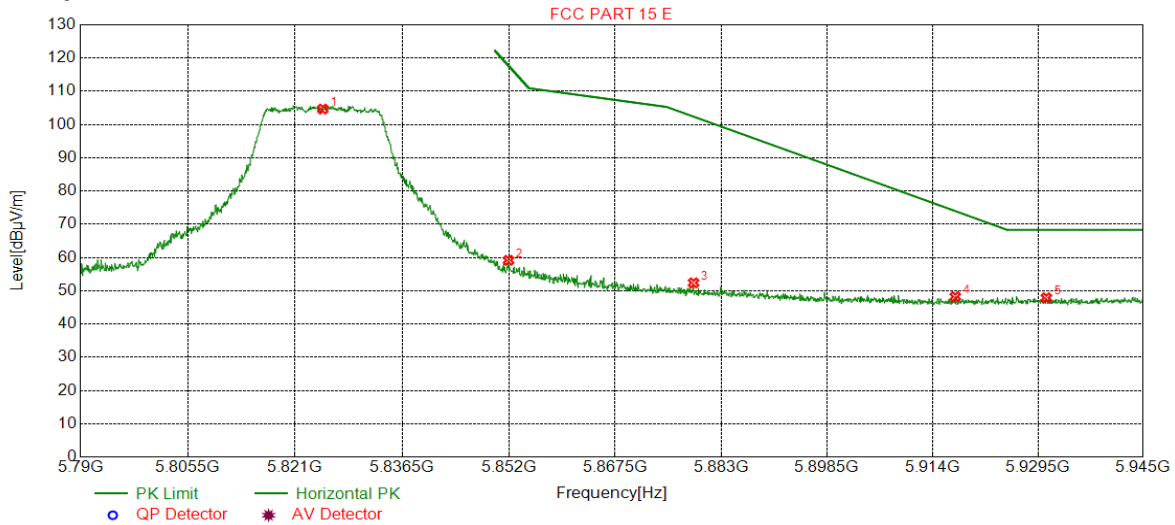
**Final Data List**



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**4.11.1.63 802.11AC20\_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	104.66	17.23	0.00	-104.66	150	207	Horizontal
2	5851.95	59.18	17.25	117.85	58.67	150	295	Horizontal
3	5878.93	52.41	17.17	102.39	49.98	150	276	Horizontal
4	5917.31	48.24	17.38	73.98	25.74	150	295	Horizontal
5	5930.73	47.90	17.58	68.30	20.40	150	300	Horizontal

**Final Data List**

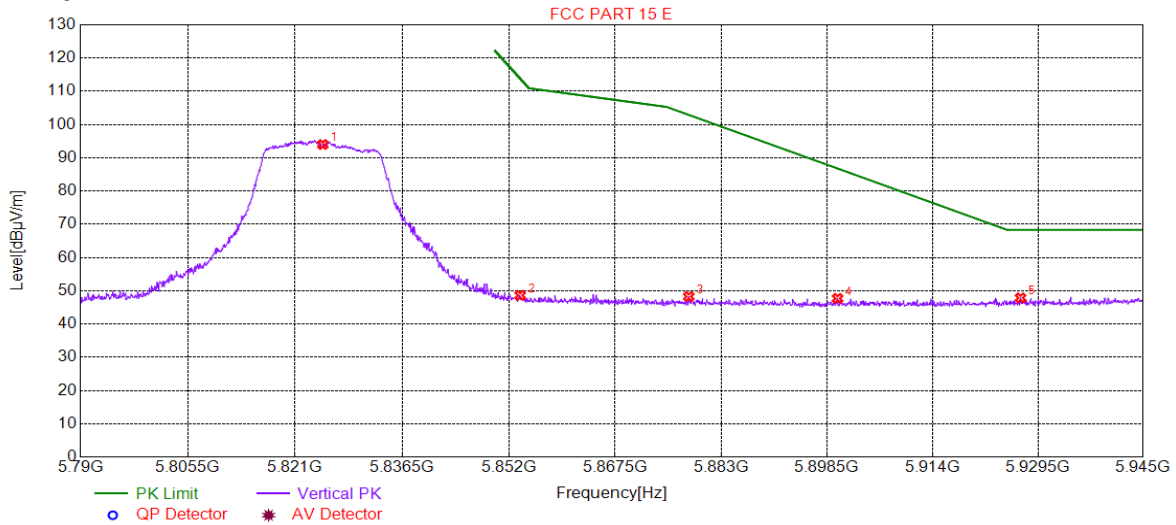


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**4.11.1.64 802.11AC20\_Channel 165**

**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	93.99	17.23	0.00	-93.99	150	203	Vertical
2	5853.65	48.64	17.25	113.96	65.32	150	207	Vertical
3	5878.23	48.30	17.18	102.90	54.60	150	217	Vertical
4	5900.02	47.72	17.11	86.78	39.06	150	226	Vertical
5	5926.93	47.88	17.52	68.30	20.42	150	226	Vertical

**Final Data List**

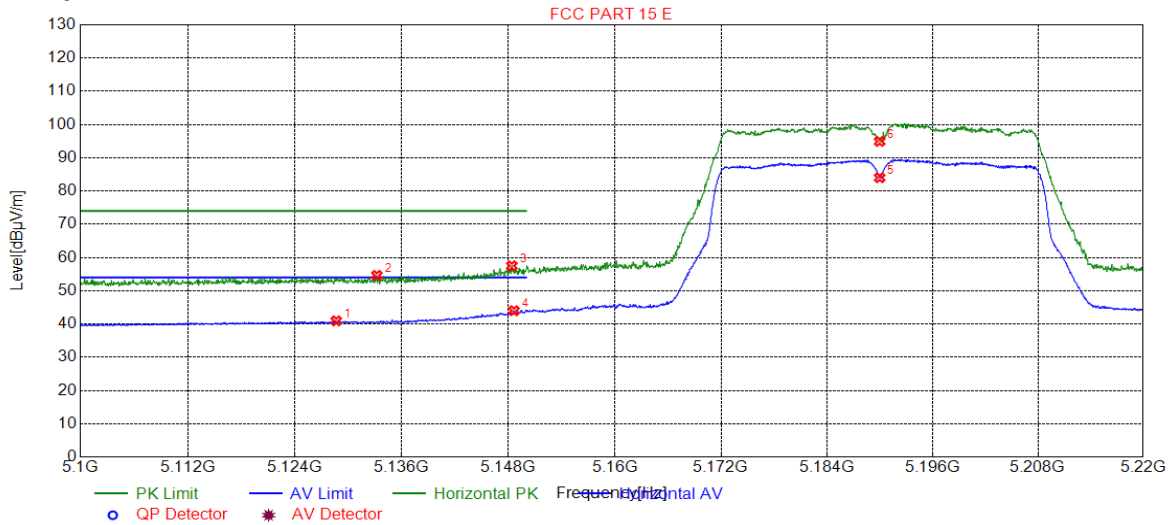


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**4.11.1.65 802.11AC40\_Channel 38**

**Test Graph**



**Suspected List**

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5128.63	40.97	15.34	54.00	13.03	150	194	Horizontal
2	5133.19	54.66	15.38	74.00	19.34	150	183	Horizontal
3	5148.38	57.52	15.51	74.00	16.48	150	194	Horizontal
4	5148.62	44.02	15.51	54.00	9.98	150	199	Horizontal
5	5190.00	84.02	15.58	0.00	-84.02	150	199	Horizontal
6	5190.00	94.93	15.58	0.00	-94.93	150	194	Horizontal

**Final Data List**

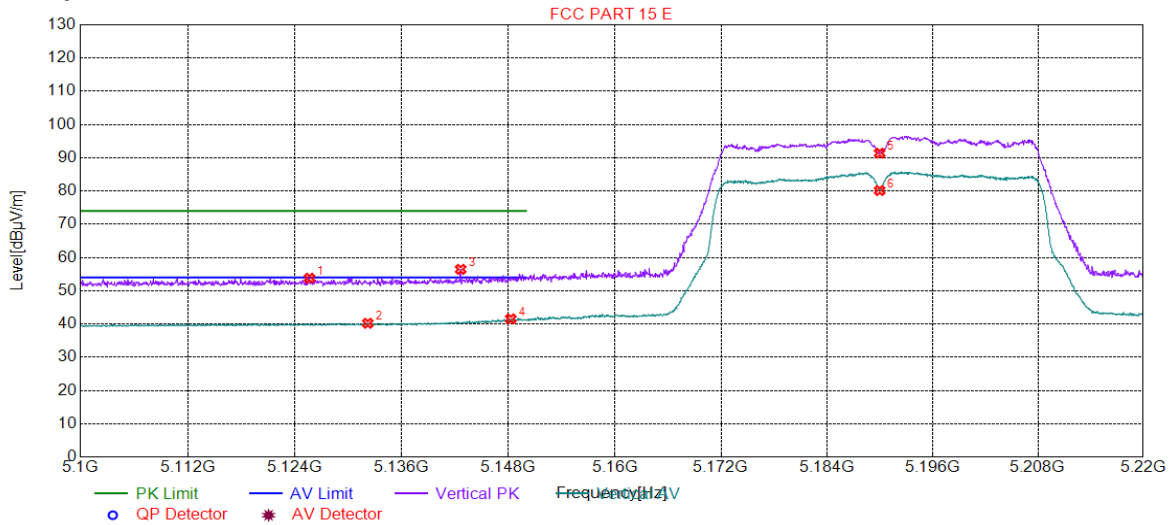


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**4.11.1.66 802.11AC40\_Channel 38**

**Test Graph**



**Suspected List**

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5125.63	53.80	15.31	74.00	20.20	150	111	Vertical
2	5132.17	40.25	15.37	54.00	13.75	150	320	Vertical
3	5142.62	56.46	15.46	74.00	17.54	150	161	Vertical
4	5148.26	41.57	15.51	54.00	12.43	150	325	Vertical
5	5190.00	91.39	15.58	0.00	-91.39	150	111	Vertical
6	5190.00	80.15	15.58	0.00	-80.15	150	111	Vertical

**Final Data List**

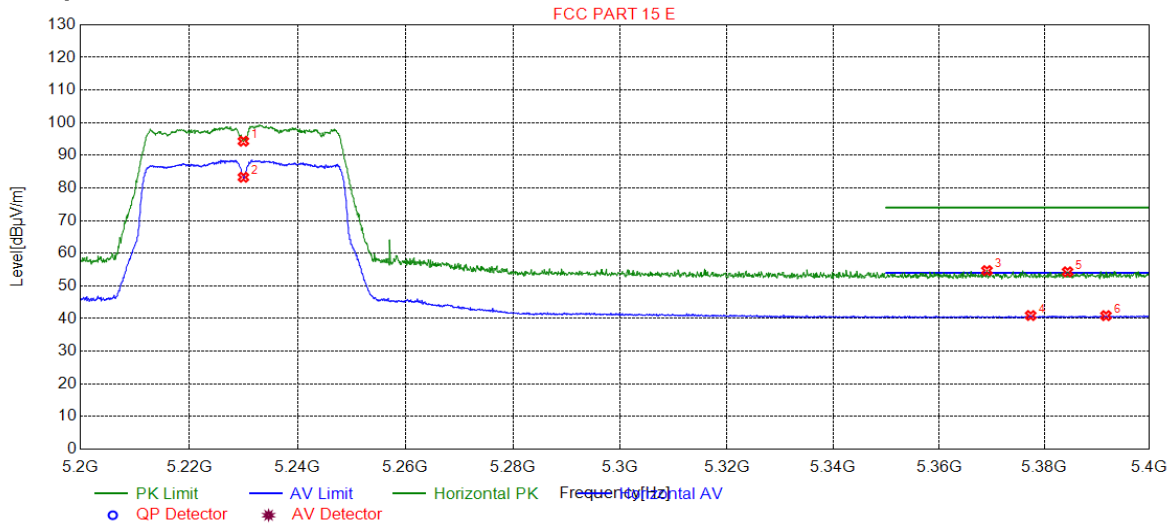


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**4.11.1.67 802.11AC40\_Channel 46**

**Test Graph**



**Suspected List**

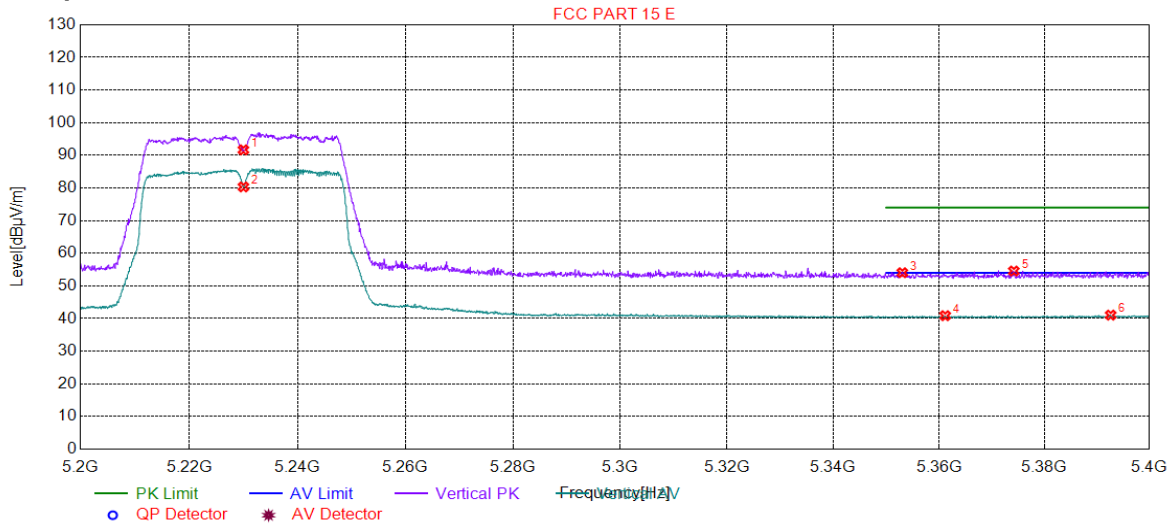
Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5230.00	94.34	15.51	0.00	-94.34	150	194	Horizontal
2	5230.00	83.29	15.51	0.00	-83.29	150	194	Horizontal
3	5369.08	54.72	16.06	74.00	19.28	150	324	Horizontal
4	5377.38	40.94	16.11	54.00	13.06	150	344	Horizontal
5	5384.39	54.33	16.15	74.00	19.67	150	84	Horizontal
6	5391.69	40.91	16.20	54.00	13.09	150	98	Horizontal

**Final Data List**



**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	91.69	15.51	0.00	-91.69	150	125	Vertical
2	5230.00	80.34	15.51	0.00	-80.34	150	118	Vertical
3	5353.07	54.06	15.96	74.00	19.94	150	284	Vertical
4	5361.18	40.89	16.01	54.00	13.11	150	339	Vertical
5	5374.18	54.58	16.09	74.00	19.42	150	360	Vertical
6	5392.59	41.07	16.20	54.00	12.93	150	104	Vertical

**Final Data List**

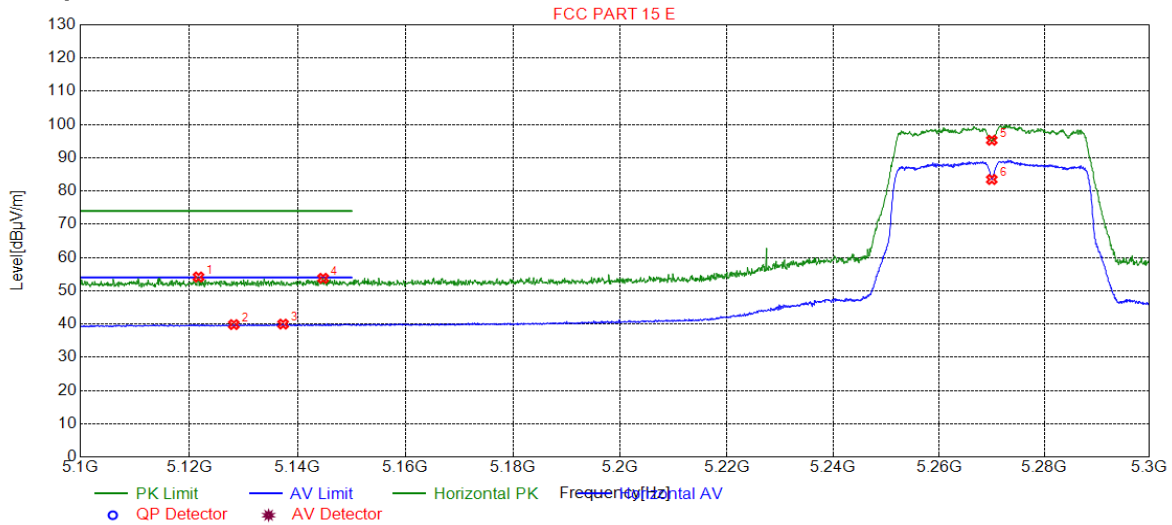


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**4.11.1.69 802.11AC40\_Channel 54**

**Test Graph**



**Suspected List**

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5121.71	54.16	15.28	74.00	19.84	150	168	Horizontal
2	5128.21	39.85	15.33	54.00	14.15	150	223	Horizontal
3	5137.31	39.99	15.41	54.00	14.01	150	271	Horizontal
4	5144.72	53.77	15.47	74.00	20.23	150	161	Horizontal
5	5270.00	95.28	15.56	0.00	-95.28	150	196	Horizontal
6	5270.00	83.48	15.56	0.00	-83.48	150	85	Horizontal

**Final Data List**



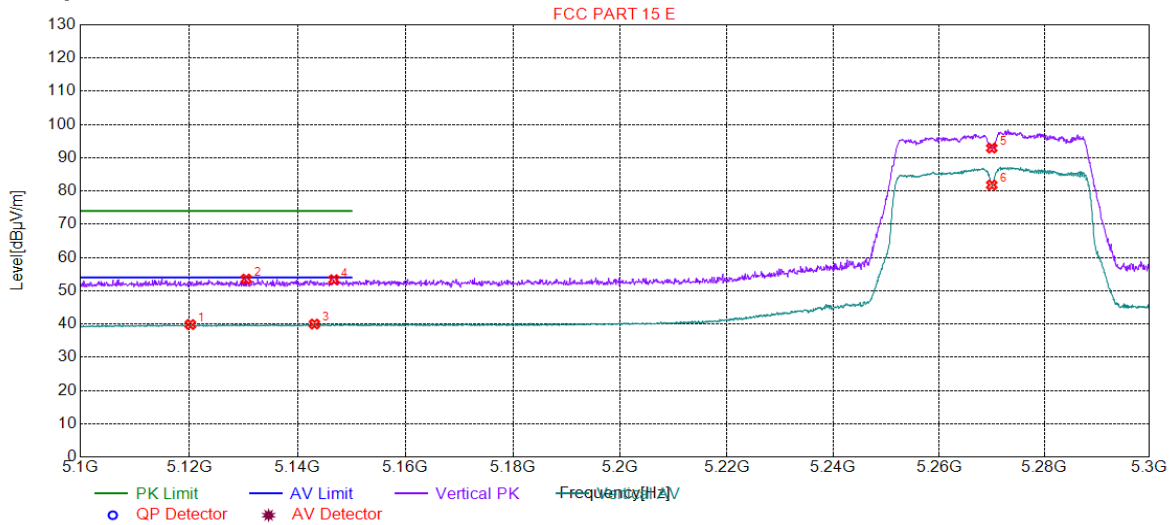
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**4.11.1.70 802.11AC40\_Channel 54**

**Test Graph**



**Suspected List**

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5120.21	39.87	15.26	54.00	14.13	150	352	Vertical
2	5130.51	53.53	15.35	74.00	20.47	150	248	Vertical
3	5143.12	40.01	15.46	54.00	13.99	150	22	Vertical
4	5146.72	53.35	15.49	74.00	20.65	150	180	Vertical
5	5270.00	92.93	15.56	0.00	-92.93	150	124	Vertical
6	5270.00	81.82	15.56	0.00	-81.82	150	124	Vertical

**Final Data List**

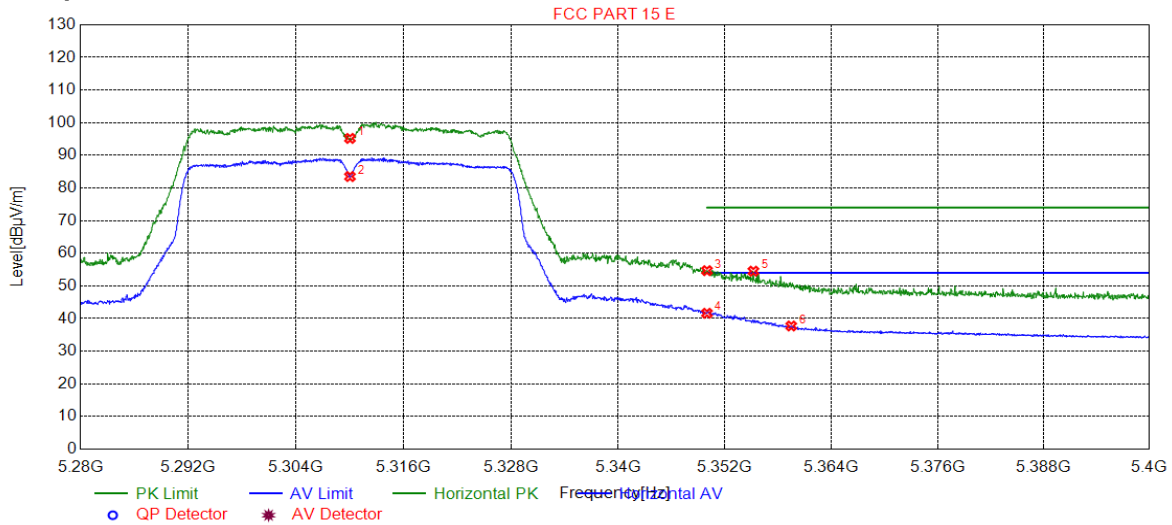


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**4.11.1.71 802.11AC40\_Channel 62**

**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	95.20	15.75	0.00	-95.20	150	79	Horizontal
2	5310.00	83.51	15.75	0.00	-83.51	150	79	Horizontal
3	5350.00	54.69	15.94	74.00	19.31	150	30	Horizontal
4	5350.00	41.64	15.94	54.00	12.36	150	72	Horizontal
5	5355.21	54.53	15.97	74.00	19.47	150	79	Horizontal
6	5359.47	37.74	16.00	54.00	16.26	150	86	Horizontal

**Final Data List**

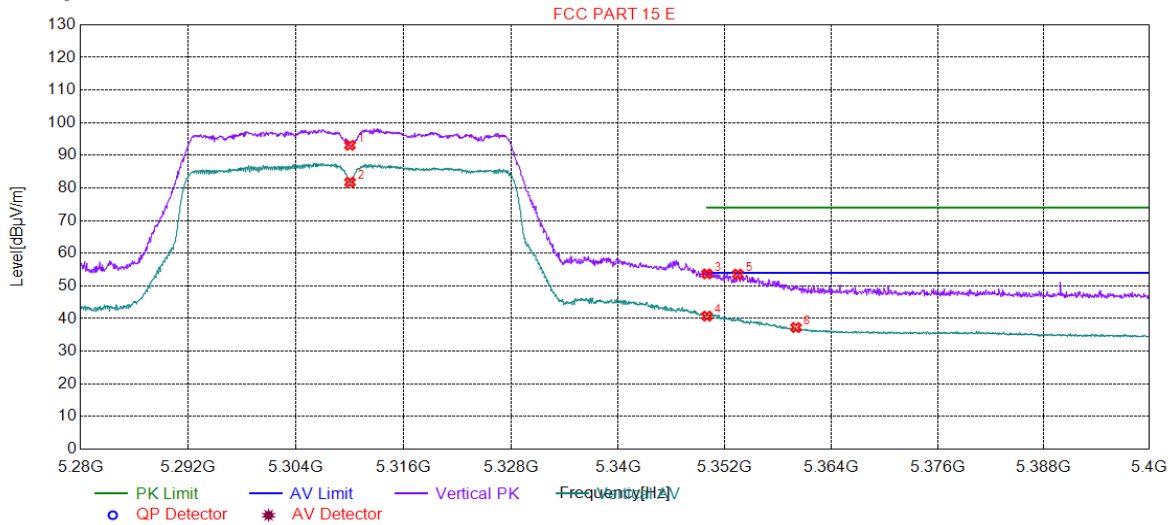


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**4.11.1.72 802.11AC40\_Channel 62**

**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	93.09	15.75	0.00	-93.09	150	118	Vertical
2	5310.00	81.77	15.75	0.00	-81.77	150	118	Vertical
3	5350.00	53.70	15.94	74.00	20.30	150	324	Vertical
4	5350.00	40.76	15.94	54.00	13.24	150	331	Vertical
5	5353.47	53.62	15.96	74.00	20.38	150	324	Vertical
6	5360.02	37.27	16.00	54.00	16.73	150	318	Vertical

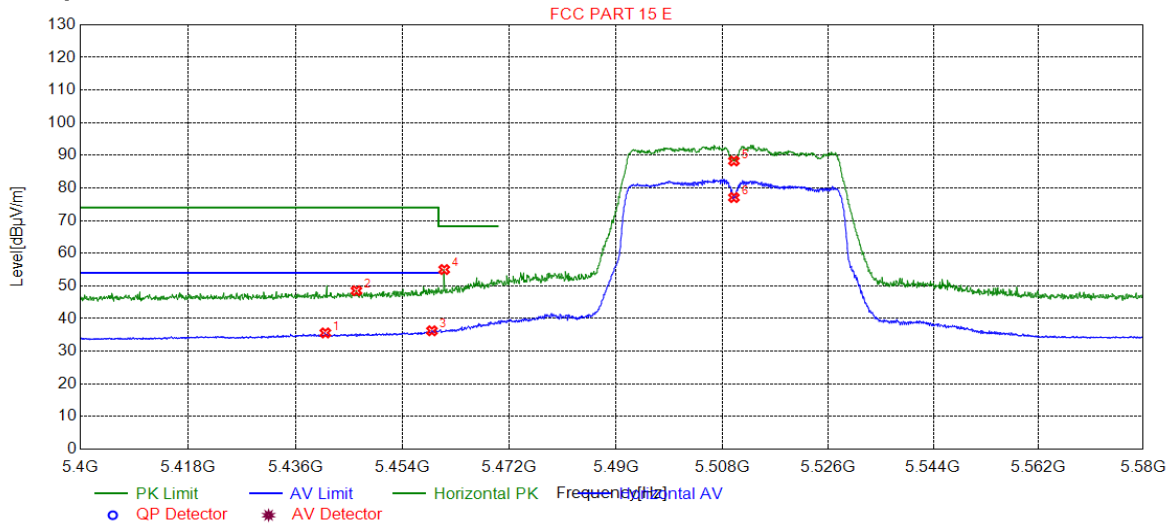
**Final Data List**



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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	5440.97	35.61	16.25	54.00	18.39	150	345	Horizontal
2	5446.19	48.55	16.25	74.00	25.45	150	2	Horizontal
3	5458.88	36.26	16.25	54.00	17.74	150	345	Horizontal
4	5460.96	55.03	16.25	68.30	13.27	150	167	Horizontal
5	5510.00	88.28	16.28	0.00	-88.28	150	2	Horizontal
6	5510.00	77.08	16.28	0.00	-77.08	150	2	Horizontal

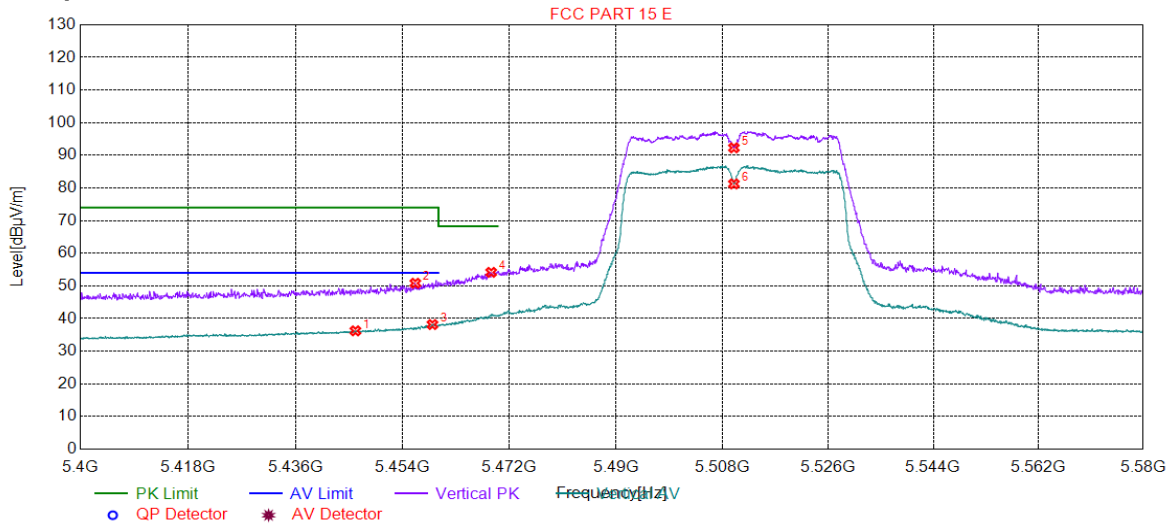
**Final Data List**



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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	5446.01	36.25	16.25	54.00	17.75	150	336	Vertical
2	5456.09	50.84	16.25	74.00	23.16	150	343	Vertical
3	5458.97	38.18	16.25	54.00	15.82	150	316	Vertical
4	5468.88	54.17	16.25	68.30	14.13	150	309	Vertical
5	5510.00	92.31	16.28	0.00	-92.31	150	316	Vertical
6	5510.00	81.26	16.28	0.00	-81.26	150	360	Vertical

**Final Data List**

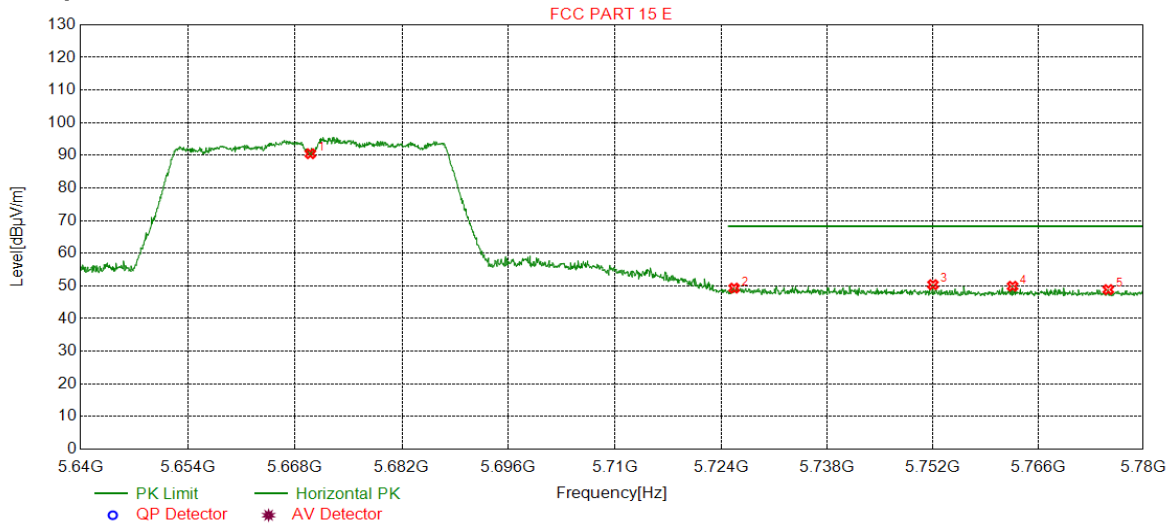


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**4.11.1.75 802.11AC40\_Channel 134**

**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	90.52	16.64	0.00	-90.52	150	189	Horizontal
2	5725.72	49.34	16.96	68.30	18.96	150	162	Horizontal
3	5752.05	50.40	17.12	68.30	17.90	150	184	Horizontal
4	5762.63	49.91	17.14	68.30	18.39	150	175	Horizontal
5	5775.37	48.88	17.16	68.30	19.42	150	326	Horizontal

**Final Data List**

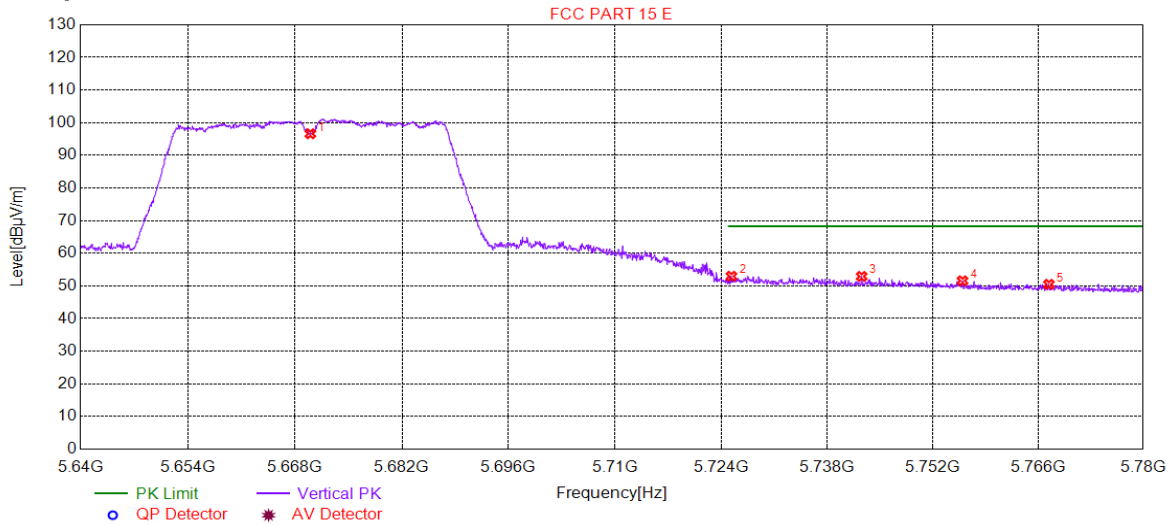


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**4.11.1.76 802.11AC40\_Channel 134**

**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	96.62	16.64	0.00	-96.62	150	320	Vertical
2	5725.37	52.98	16.96	68.30	15.32	150	329	Vertical
3	5742.60	52.93	17.07	68.30	15.37	150	315	Vertical
4	5755.97	51.58	17.13	68.30	16.72	150	315	Vertical
5	5767.46	50.51	17.14	68.30	17.79	150	292	Vertical

**Final Data List**

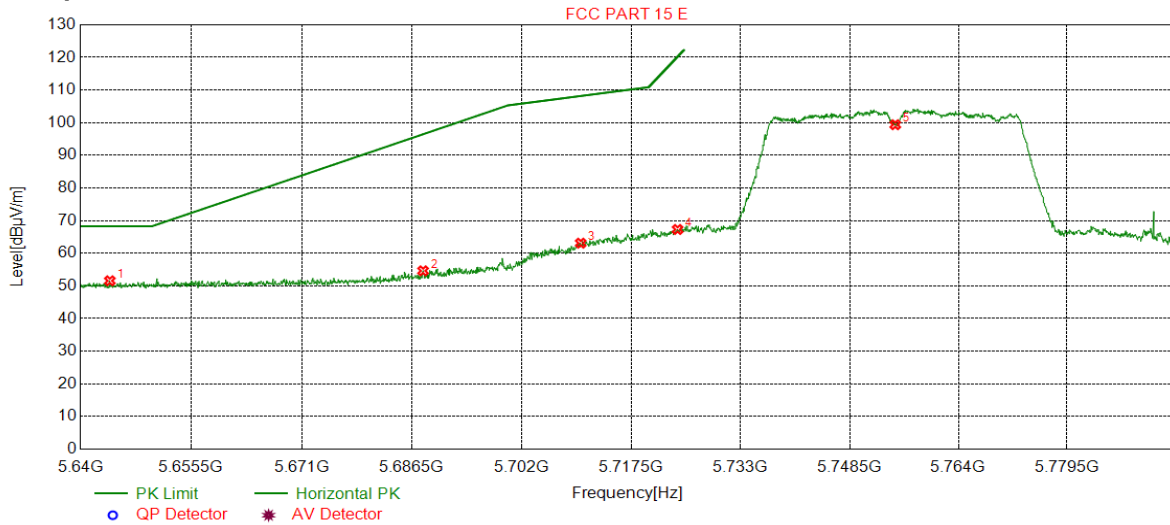


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**4.11.1.77 802.11AC40\_Channel 151**

**Test Graph**



**Suspected List**

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5644.10	51.58	16.54	68.30	16.72	150	208	Horizontal
2	5688.07	54.64	16.74	96.47	41.83	150	286	Horizontal
3	5710.32	63.11	16.87	108.19	45.08	150	286	Horizontal
4	5724.05	67.30	16.95	120.14	52.84	150	286	Horizontal
5	5755.00	99.39	17.13	0.00	-99.39	150	286	Horizontal

**Final Data List**



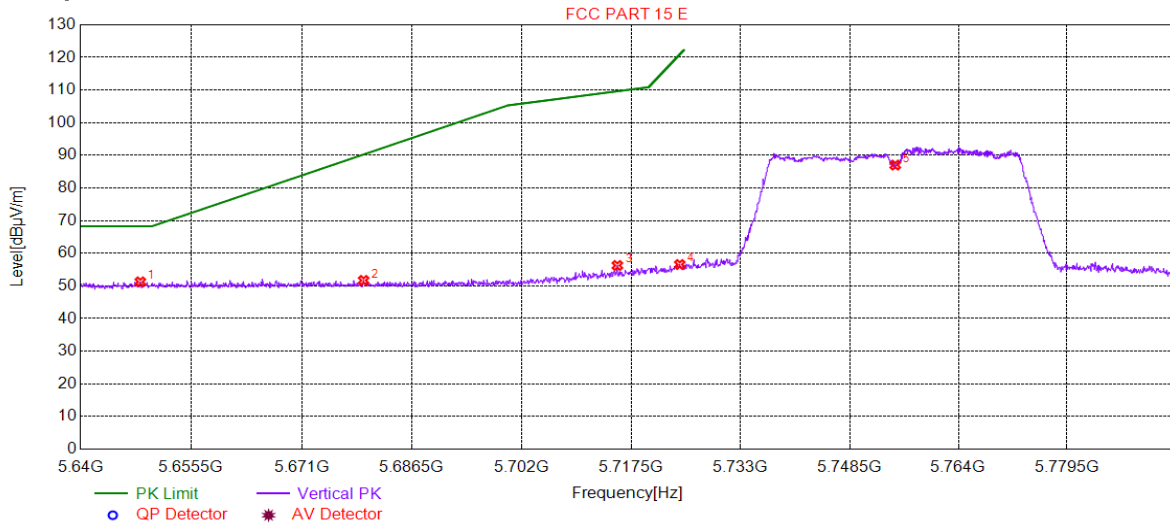
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**4.11.1.78 802.11AC40\_Channel 151**

**Test Graph**



**Suspected List**

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5648.37	51.25	16.53	68.30	17.05	150	106	Vertical
2	5679.69	51.70	16.69	90.28	38.58	150	130	Vertical
3	5715.52	56.27	16.90	109.65	53.38	150	258	Vertical
4	5724.36	56.57	16.96	120.85	64.28	150	198	Vertical
5	5755.00	87.03	17.13	0.00	-87.03	150	143	Vertical

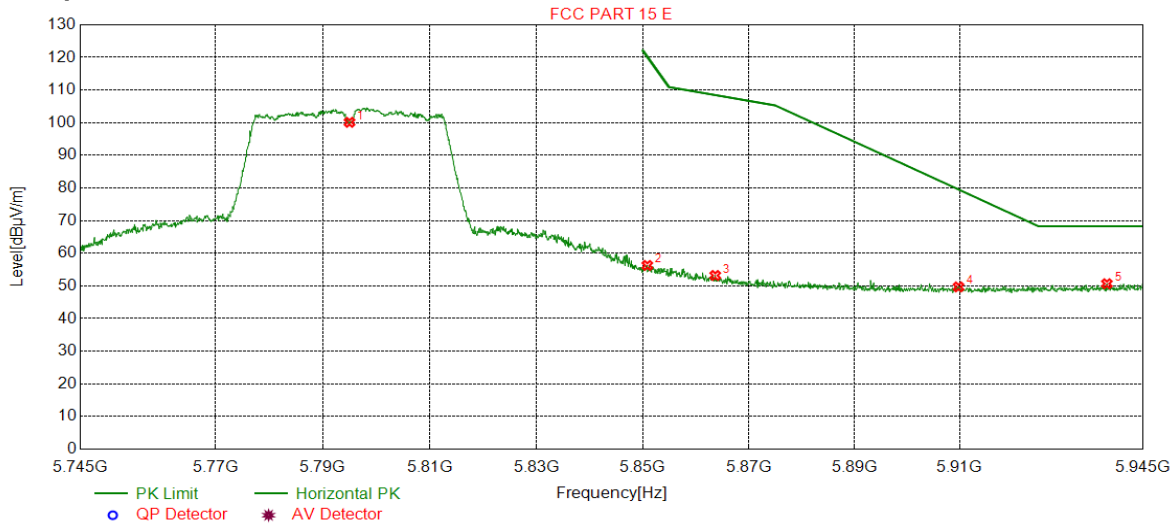
**Final Data List**



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**4.11.1.79 802.11AC40\_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	100.12	17.18	0.00	-100.12	150	282	Horizontal
2	5850.85	56.28	17.26	120.36	64.08	150	292	Horizontal
3	5863.65	53.21	17.22	108.48	55.27	150	282	Horizontal
4	5909.78	49.71	17.26	79.56	29.85	150	116	Horizontal
5	5938.09	50.69	17.70	68.30	17.61	150	273	Horizontal

**Final Data List**

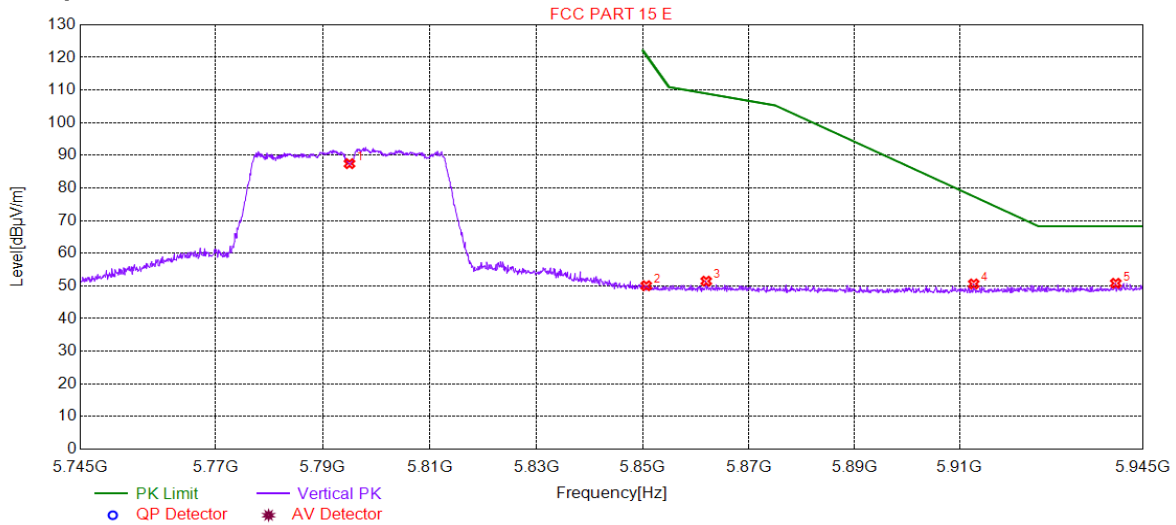


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**4.11.1.80 802.11AC40\_Channel 159**

**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	87.46	17.18	0.00	-87.46	150	147	Vertical
2	5850.65	50.07	17.26	120.81	70.74	150	20	Vertical
3	5861.95	51.47	17.22	108.95	57.48	150	299	Vertical
4	5912.68	50.62	17.31	77.41	26.79	150	285	Vertical
5	5939.79	50.82	17.72	68.30	17.48	150	166	Vertical

**Final Data List**

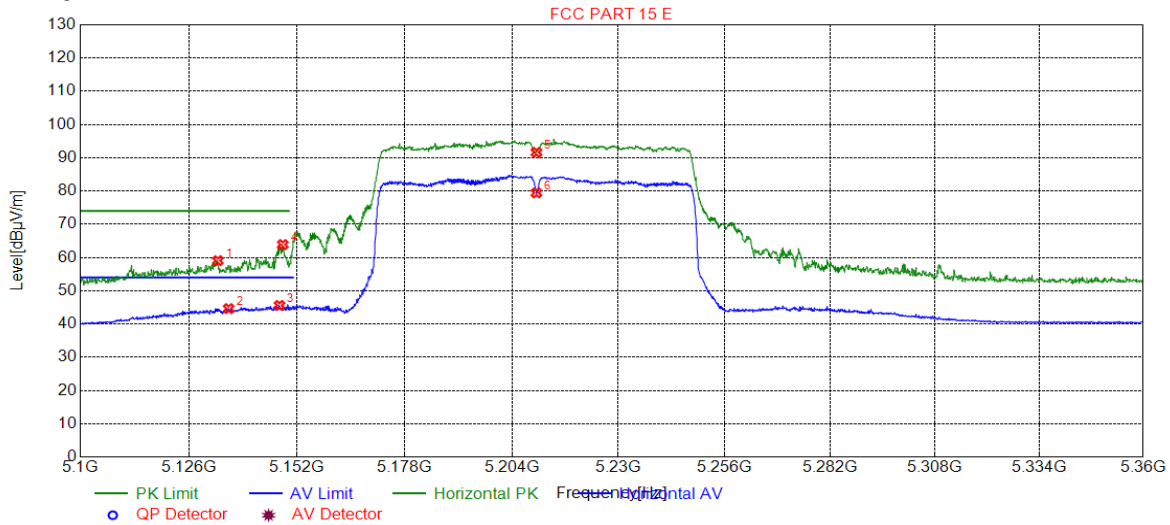


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**4.11.1.81 802.11AC80\_Channel 42**

**Test Graph**



**Suspected List**

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5132.90	59.07	15.37	74.00	14.93	150	200	Horizontal
2	5135.50	44.66	15.40	54.00	9.34	150	200	Horizontal
3	5147.73	45.60	15.50	54.00	8.40	150	193	Horizontal
4	5148.51	63.92	15.51	74.00	10.08	150	200	Horizontal
5	5210.00	91.64	15.56	0.00	-91.64	150	78	Horizontal
6	5210.00	79.45	15.56	0.00	-79.45	150	78	Horizontal

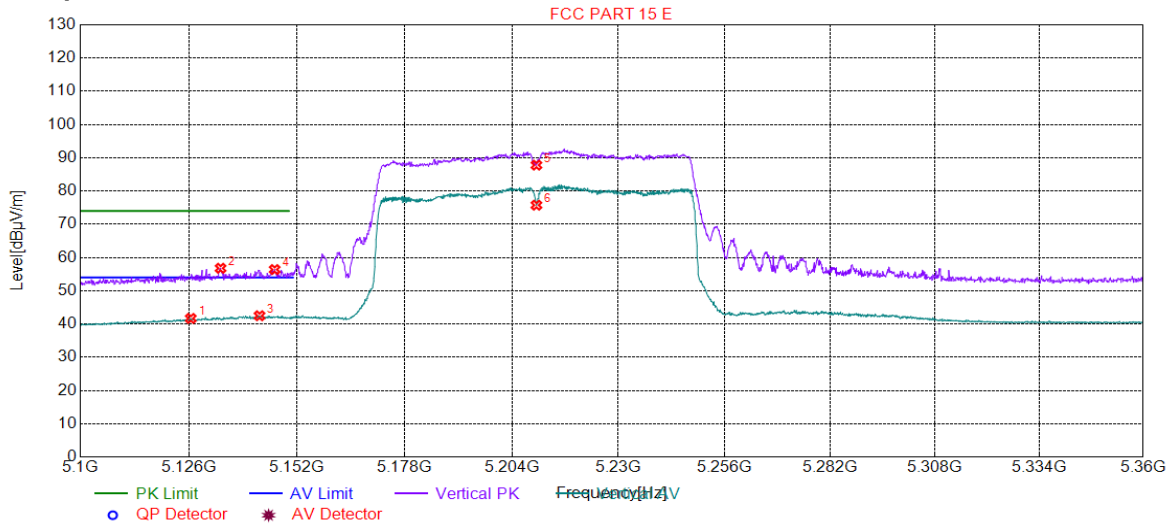
**Final Data List**



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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	5126.40	41.70	15.32	54.00	12.30	150	320	Vertical
2	5133.55	56.79	15.38	74.00	17.21	150	327	Vertical
3	5142.92	42.50	15.46	54.00	11.50	150	320	Vertical
4	5146.56	56.40	15.49	74.00	17.60	150	327	Vertical
5	5210.00	87.80	15.56	0.00	-87.80	150	119	Vertical
6	5210.00	75.76	15.56	0.00	-75.76	150	126	Vertical

**Final Data List**

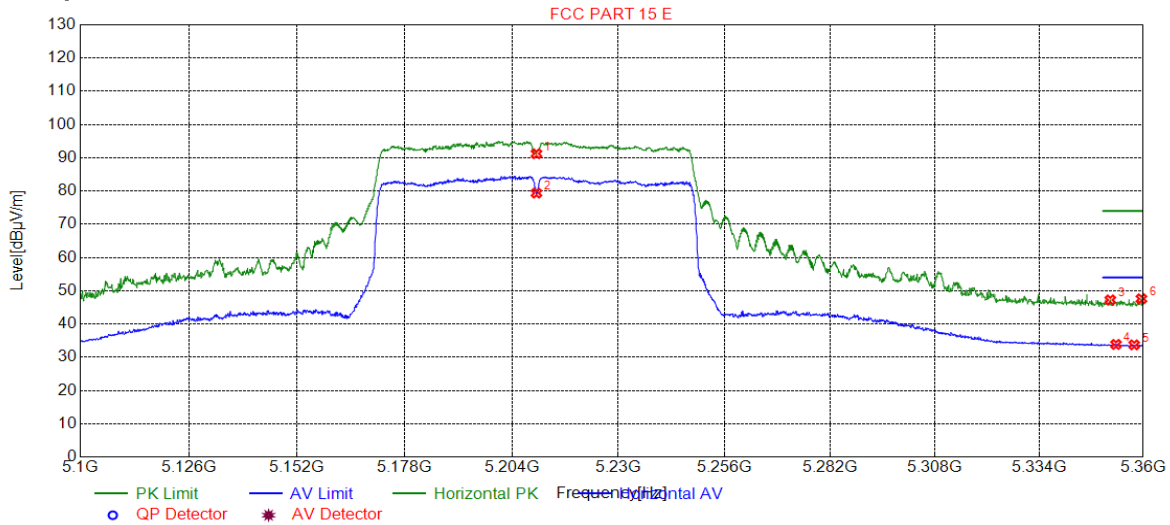


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**4.11.1.83 802.11AC80\_Channel 42**

**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	91.23	15.56	0.00	-91.23	150	187	Horizontal
2	5210.00	79.39	15.56	0.00	-79.39	150	194	Horizontal
3	5351.80	47.26	15.95	74.00	26.74	150	50	Horizontal
4	5353.23	33.89	15.96	54.00	20.11	150	37	Horizontal
5	5357.78	33.75	15.99	54.00	20.25	150	78	Horizontal
6	5359.60	47.60	16.00	74.00	26.40	150	78	Horizontal

**Final Data List**

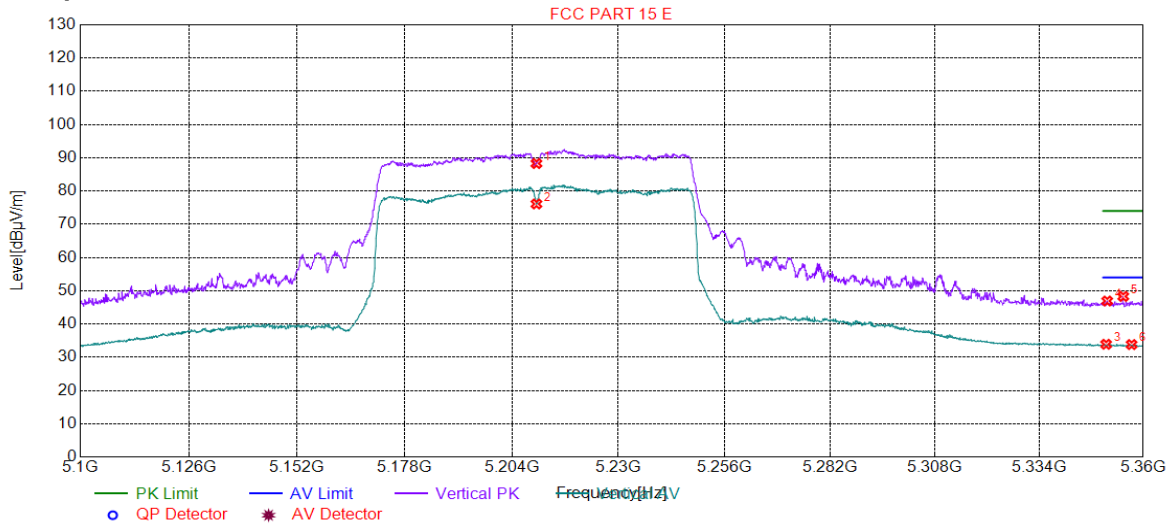


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**4.11.1.84 802.11AC80\_Channel 42**

**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	88.28	15.56	0.00	-88.28	150	119	Vertical
2	5210.00	76.12	15.56	0.00	-76.12	150	112	Vertical
3	5350.76	33.93	15.94	54.00	20.07	150	16	Vertical
4	5351.02	46.94	15.95	74.00	27.06	150	278	Vertical
5	5355.05	48.31	15.97	74.00	25.69	150	16	Vertical
6	5357.13	33.84	15.98	54.00	20.16	150	16	Vertical

**Final Data List**

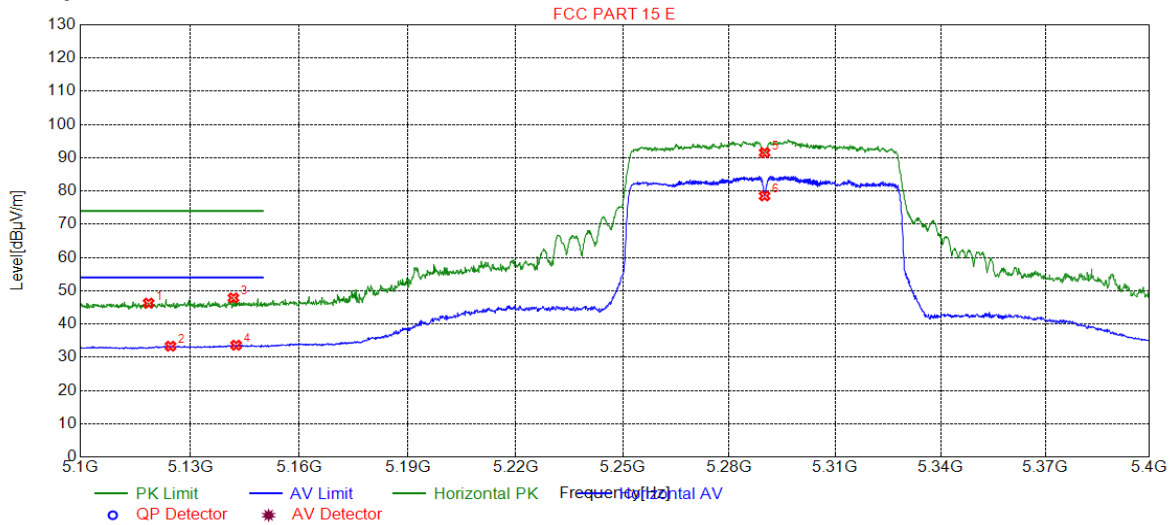


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**4.11.1.85 802.11AC80\_Channel 58**

**Test Graph**



**Suspected List**

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5118.60	46.30	15.25	74.00	27.70	150	344	Horizontal
2	5124.61	33.36	15.30	54.00	20.64	150	344	Horizontal
3	5141.87	47.87	15.45	74.00	26.13	150	202	Horizontal
4	5142.62	33.65	15.46	54.00	20.35	150	209	Horizontal
5	5290.00	91.55	15.65	0.00	-91.55	150	78	Horizontal
6	5290.00	78.53	15.65	0.00	-78.53	150	188	Horizontal

**Final Data List**

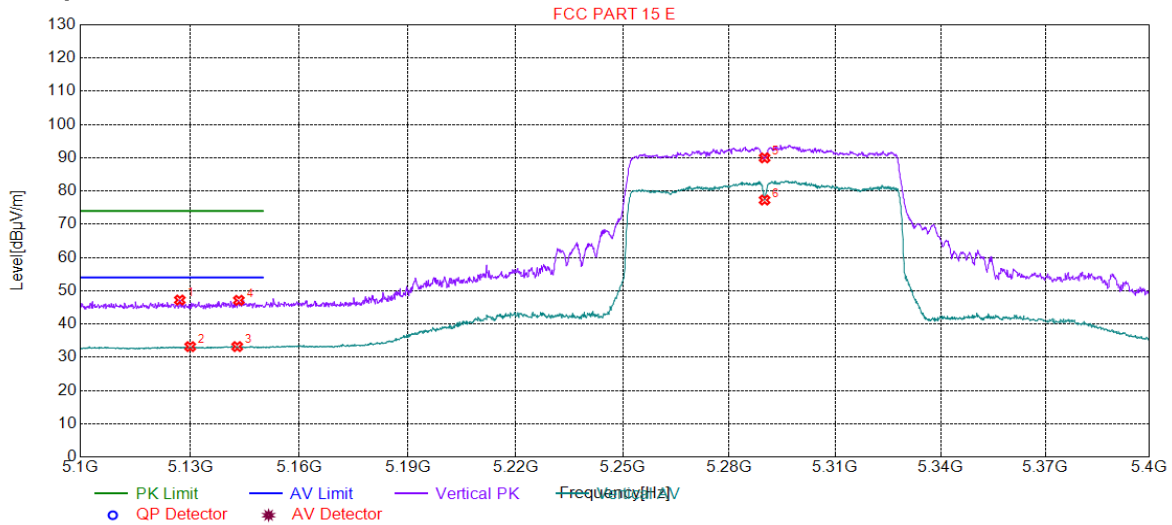


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**4.11.1.86 802.11AC80\_Channel 58**

**Test Graph**



**Suspected List**

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5127.16	47.23	15.32	74.00	26.77	150	70	Vertical
2	5130.01	33.22	15.35	54.00	20.78	150	213	Vertical
3	5142.92	33.23	15.46	54.00	20.77	150	296	Vertical
4	5143.37	47.15	15.46	74.00	26.85	150	172	Vertical
5	5290.00	89.98	15.65	0.00	-89.98	150	126	Vertical
6	5290.00	77.29	15.65	0.00	-77.29	150	118	Vertical

**Final Data List**

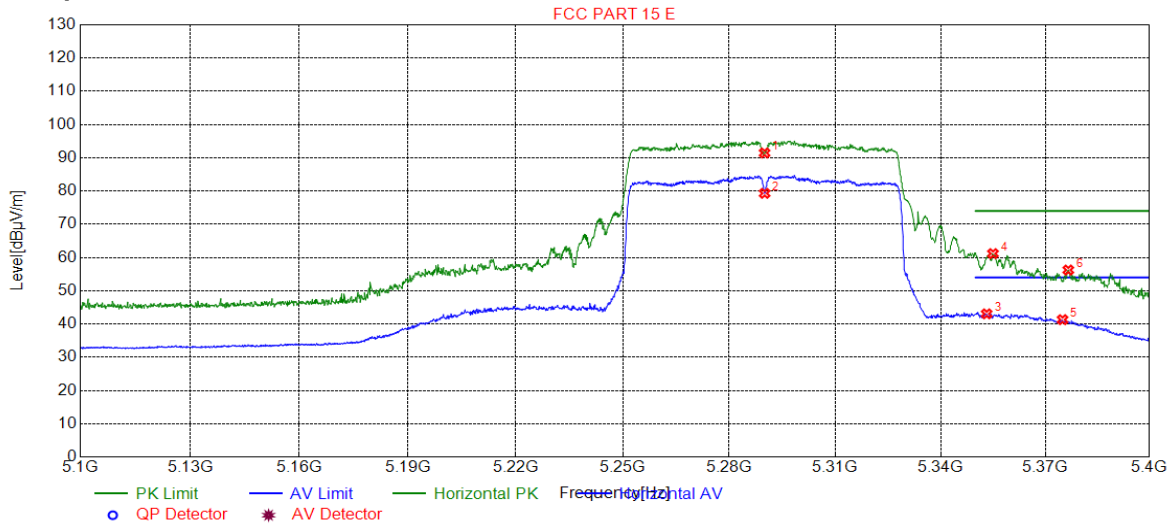


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**4.11.1.87 802.11AC80\_Channel 58**

**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	91.45	15.65	0.00	-91.45	150	78	Horizontal
2	5290.00	79.31	15.65	0.00	-79.31	150	78	Horizontal
3	5353.17	43.08	15.96	54.00	10.92	150	78	Horizontal
4	5354.97	61.19	15.97	74.00	12.81	150	78	Horizontal
5	5374.93	41.33	16.09	54.00	12.67	150	85	Horizontal
6	5376.58	56.26	16.10	74.00	17.74	150	78	Horizontal

**Final Data List**

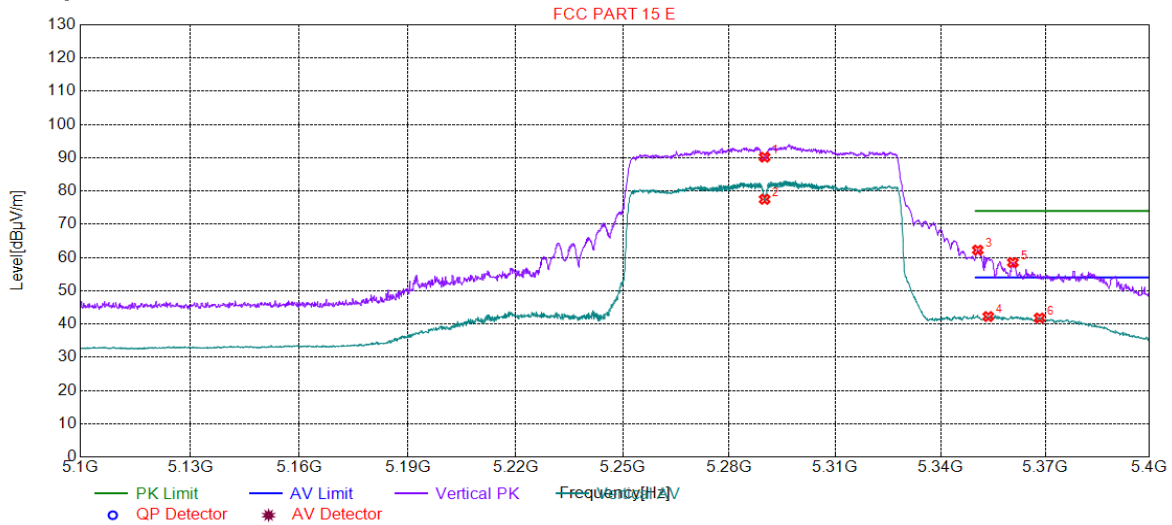


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**4.11.1.88 802.11AC80\_Channel 58**

**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	90.20	15.65	0.00	-90.20	150	109	Vertical
2	5290.00	77.52	15.65	0.00	-77.52	150	116	Vertical
3	5350.62	62.24	15.94	74.00	11.76	150	319	Vertical
4	5353.62	42.27	15.96	54.00	11.73	150	360	Vertical
5	5360.68	58.50	16.01	74.00	15.50	150	15	Vertical
6	5368.33	41.83	16.05	54.00	12.17	150	353	Vertical

**Final Data List**

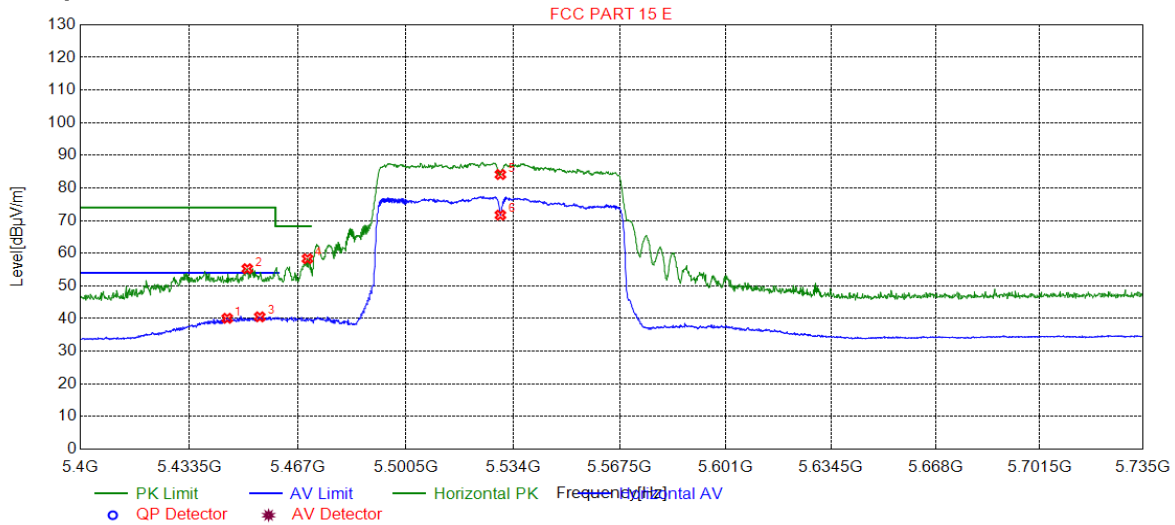


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**4.11.1.89 802.11AC80\_Channel 106**

**Test Graph**



**Suspected List**

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5445.08	40.09	16.25	54.00	13.91	150	344	Horizontal
2	5451.28	55.28	16.25	74.00	18.72	150	344	Horizontal
3	5455.13	40.54	16.25	54.00	13.46	150	344	Horizontal
4	5469.88	58.34	16.25	68.30	9.96	150	0	Horizontal
5	5530.00	84.13	16.35	0.00	-84.13	150	344	Horizontal
6	5530.00	71.70	16.35	0.00	-71.70	150	344	Horizontal

**Final Data List**

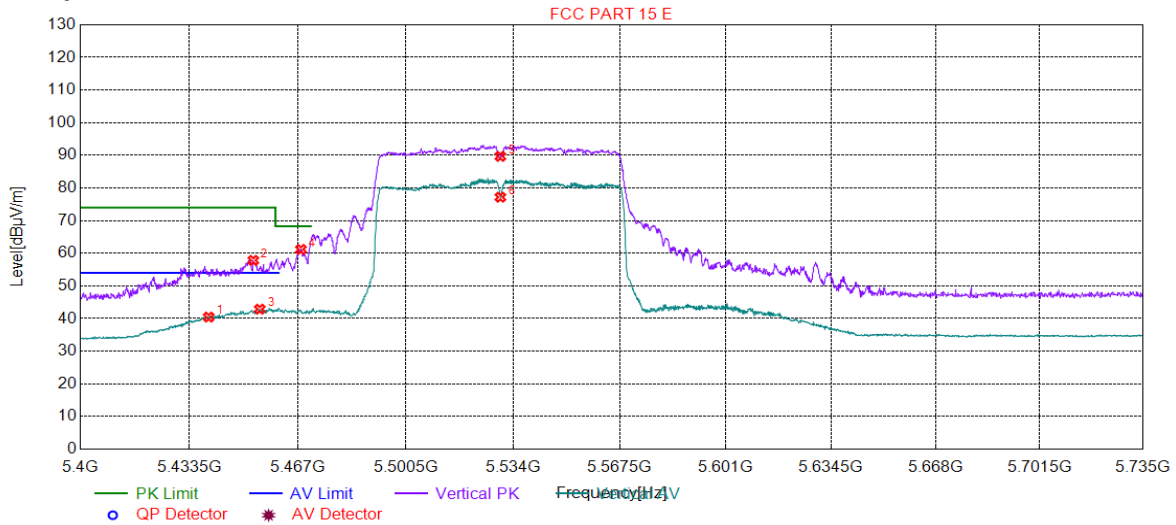


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**4.11.1.90 802.11AC80\_Channel 106**

**Test Graph**



**Suspected List**

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5439.38	40.47	16.25	54.00	13.53	150	16	Vertical
2	5453.12	57.84	16.25	74.00	16.16	150	16	Vertical
3	5455.13	42.89	16.25	54.00	11.11	150	322	Vertical
4	5467.87	61.19	16.25	68.30	7.11	150	16	Vertical
5	5530.00	89.69	16.35	0.00	-89.69	150	315	Vertical
6	5530.00	77.19	16.35	0.00	-77.19	150	329	Vertical

**Final Data List**

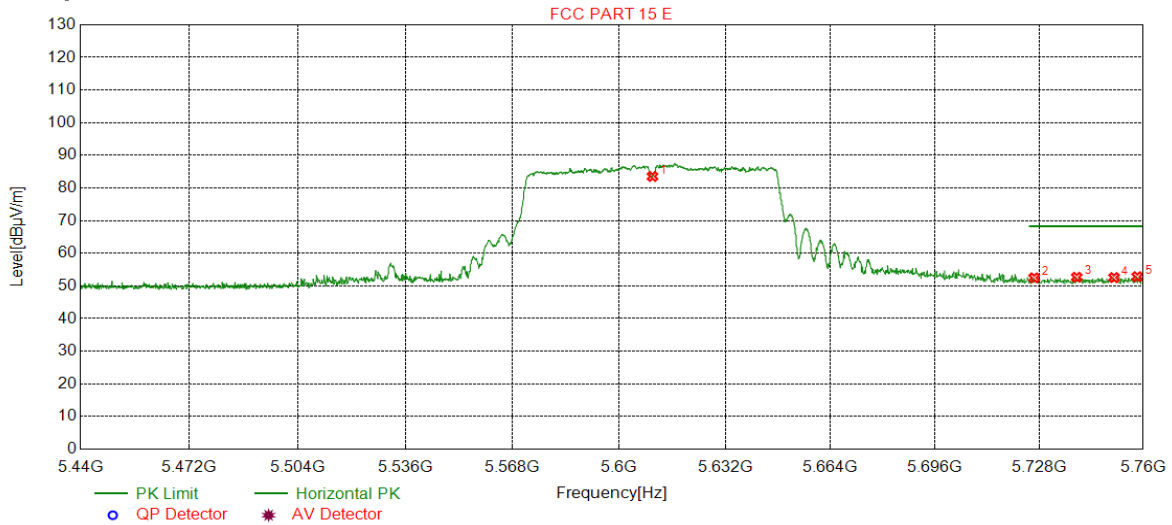


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**4.11.1.91 802.11AC80\_Channel 122**

**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	83.54	16.58	0.00	-83.54	150	189	Horizontal
2	5726.38	52.49	16.97	68.30	15.81	150	157	Horizontal
3	5739.50	52.68	17.05	68.30	15.62	150	166	Horizontal
4	5751.03	52.57	17.12	68.30	15.73	150	116	Horizontal
5	5758.23	52.84	17.13	68.30	15.46	150	259	Horizontal

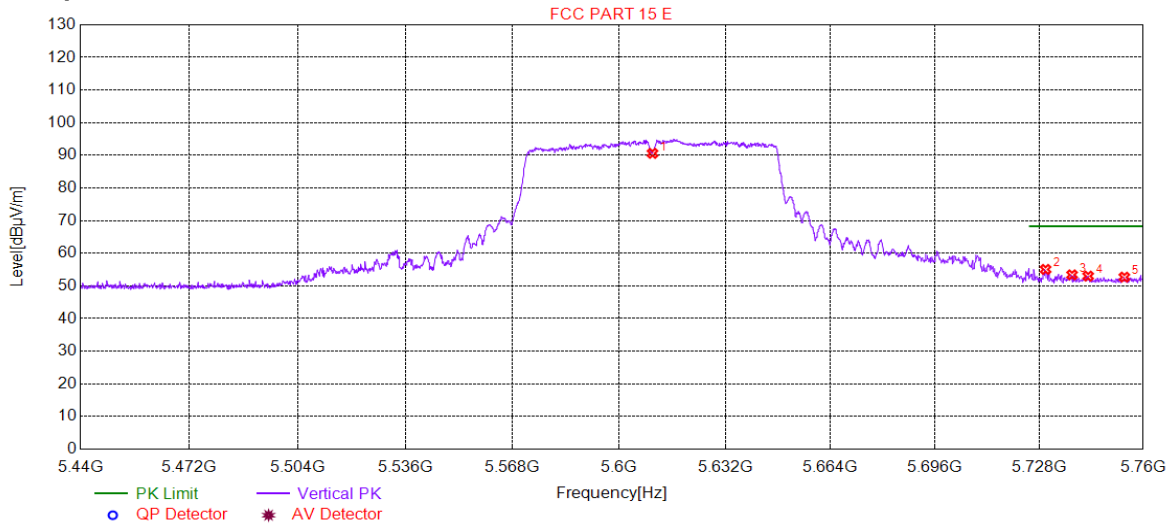
**Final Data List**



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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	90.62	16.58	0.00	-90.62	150	314	Vertical
2	5729.90	55.07	16.99	68.30	13.23	150	16	Vertical
3	5738.06	53.41	17.04	68.30	14.89	150	16	Vertical
4	5743.03	53.02	17.08	68.30	15.28	150	328	Vertical
5	5754.23	52.71	17.13	68.30	15.59	150	204	Vertical

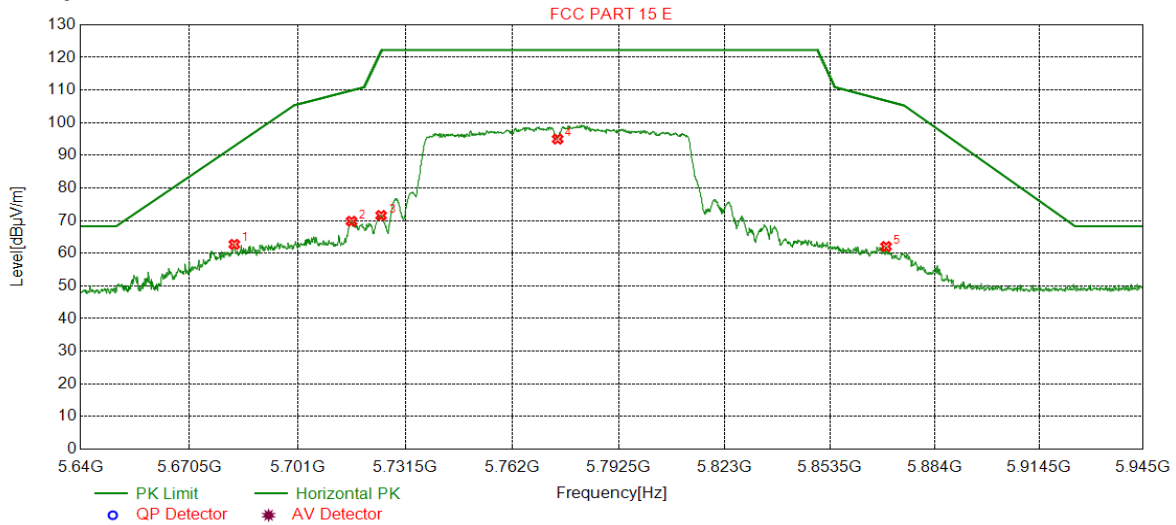
**Final Data List**



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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	62.75	16.71	92.85	30.10	150	295	Horizontal
2	5716.28	69.83	16.90	109.86	40.03	150	295	Horizontal
3	5724.67	71.59	16.96	121.57	49.98	150	308	Horizontal
4	5775.00	94.98	17.16	122.30	27.32	150	295	Horizontal
5	5869.77	62.08	17.20	106.76	44.68	150	308	Horizontal

**Final Data List**

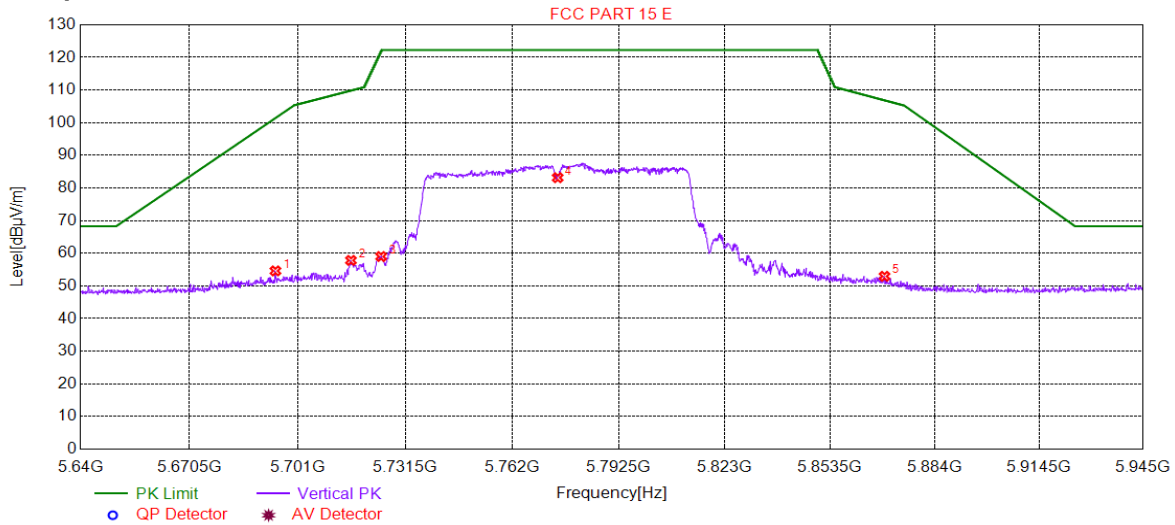


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**4.11.1.94 802.11AC80\_Channel 155**

**Test Graph**



**Suspected List**

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5694.77	54.61	16.77	101.43	46.82	150	313	Vertical
2	5716.13	57.83	16.90	109.82	51.99	150	303	Vertical
3	5724.67	59.01	16.96	121.57	62.56	150	222	Vertical
4	5775.00	83.16	17.16	122.30	39.14	150	213	Vertical
5	5869.32	52.96	17.20	106.89	53.93	150	208	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	5825
V nom(V)	5180.004369	5825.002322
V max(V)	5180.006574	5825.003182
V min(V)	5180.015686	5825.008992
Max. Deviation Frequency	0.015686	0.008992
Max. Frequency Error (ppm)	3.028178	1.543737

### 4.12.2 Frequency Error vs. Temperature:

Test Conditions(°C)	Measured Frequency ( MHz )	
	5180	5825
-5	5180.005007	5825.004242
5	5180.014568	5825.006813
15	5180.016431	5825.014283
25	5180.026046	5825.017913
35	5180.033603	5825.020536
45	5180.038990	5825.027154
50	5180.039142	5825.027787
Max. Deviation Frequency	0.039142	0.027787
Max. Frequency Error (ppm)	7.556327	4.770380



### 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
<i>Non-Occupancy Period</i>	Yes	Not required	Yes
<i>DFS Detection Threshold</i>	Yes	Not required	Yes
<i>Channel Availability Check Time</i>	Yes	Not required	Not required
<i>U-NII Detection Bandwidth</i>	Yes	Not required	Yes

**Table 2: Applicability of DFS requirements during normal operation**

Requirement	Operational Mode	
	Master Device or Client with Radar Detection	Client Without Radar Detection
<i>DFS Detection Threshold</i>	Yes	Not required
<i>Channel Closing Transmission Time</i>	Yes	Yes
<i>Channel Move Time</i>	Yes	Yes
<i>U-NII Detection Bandwidth</i>	Yes	Not required
<b>Additional requirements for devices with multiple bandwidth modes</b>	<b>Master Device or Client with Radar Detection</b>	<b>Client Without Radar Detection</b>
<i>U-NII Detection Bandwidth and Statistical Performance Check</i>	All BW modes must be tested	Not required
<i>Channel Move Time and Channel Closing Transmission Time</i>	Test using widest BW mode available	Test using the widest BW mode available for the link
<i>All other tests</i>	Any single BW mode	Not required
<p><b>Note:</b> 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.</p>		



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

**4.13.3 Response Requirements**

**Table 4: DFS Response Requirement Values**

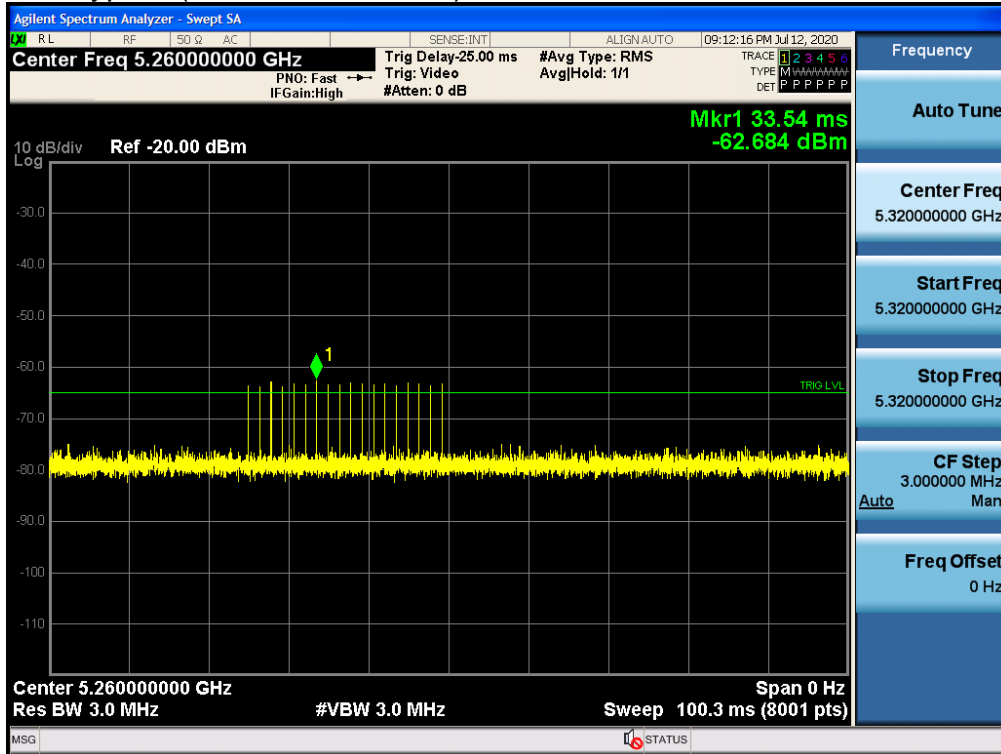
Parameter	Value
<i>Non-occupancy period</i>	Minimum 30 minutes
<i>Channel Availability Check Time</i>	60 seconds
<i>Channel Move Time</i>	10 seconds See Note 1.
<i>Channel Closing Transmission Time</i>	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
<i>U-NII Detection Bandwidth</i>	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.
<p><b>Note 1:</b> <i>Channel Move Time</i> and the <i>Channel Closing Transmission Time</i> should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.</p> <p><b>Note 2:</b> The <i>Channel Closing Transmission Time</i> is comprised of 200 milliseconds starting at the beginning of the <i>Channel Move Time</i> plus any additional intermittent control signals required to facilitate a <i>Channel</i> move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.</p> <p><b>Note 3:</b> During the <i>U-NII Detection Bandwidth</i> detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.</p>	



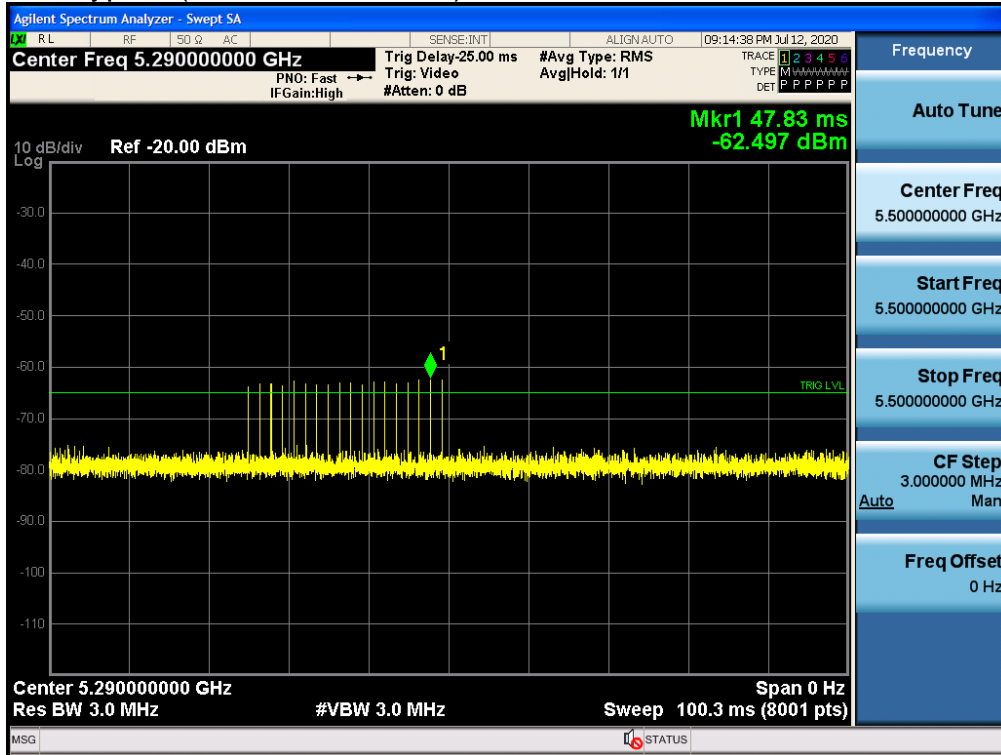
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4.13.4 Test plots  
 4.13.4.1 Radar Waveform Calibration Result  
 Radar Type 0 (20MHz / 5260MHz)



Radar Type 0 (80MHz / 5290MHz)



**4.13.5 Test Data:**

BW/Channel	Test Item	Test Result	Limit	Results
20MHz / 5260MHz	Channel Move Time	0.25s	<10s	Pass
	Channel Closing Transmission Time	40.3ms	<60ms	Pass
80MHz / 5290MHz	Channel Move Time	0.28s	<10s	Pass
	Channel Closing Transmission Time	41.6ms	<60ms	Pass

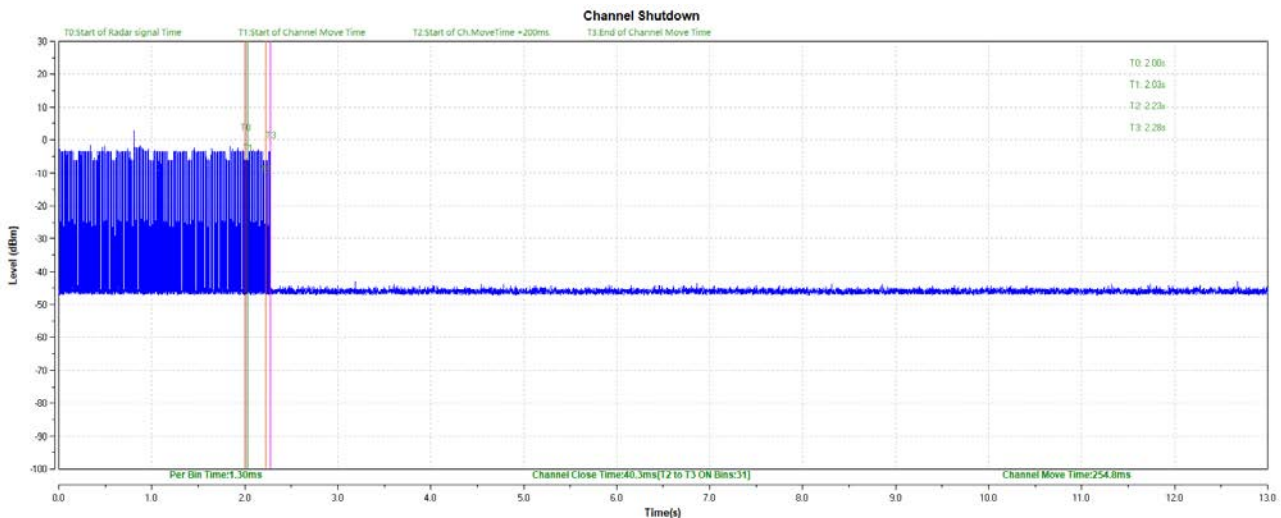
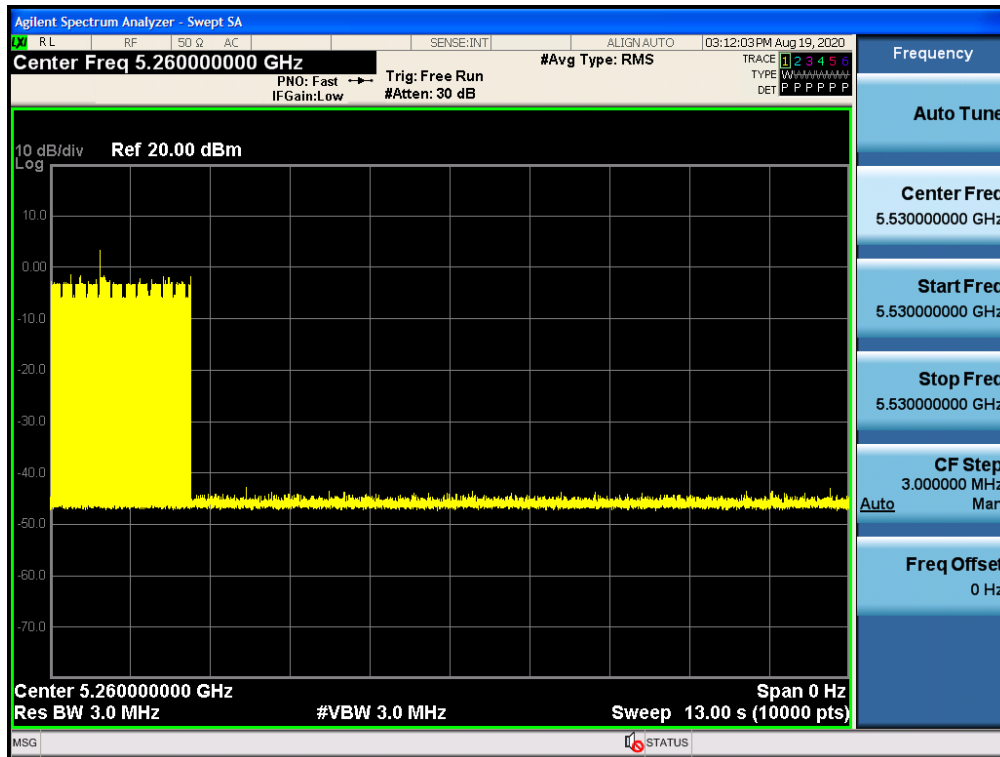


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4.13.5.1 Test plots

4.13.5.1.1 Test Bandwidth/Channel= 20MHz / 5260MHz

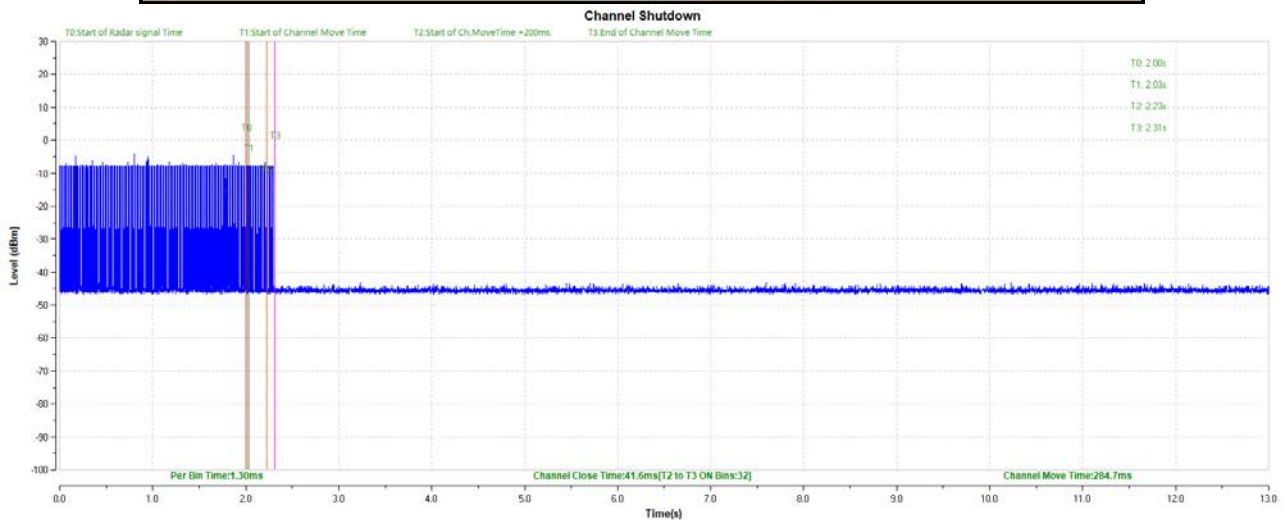
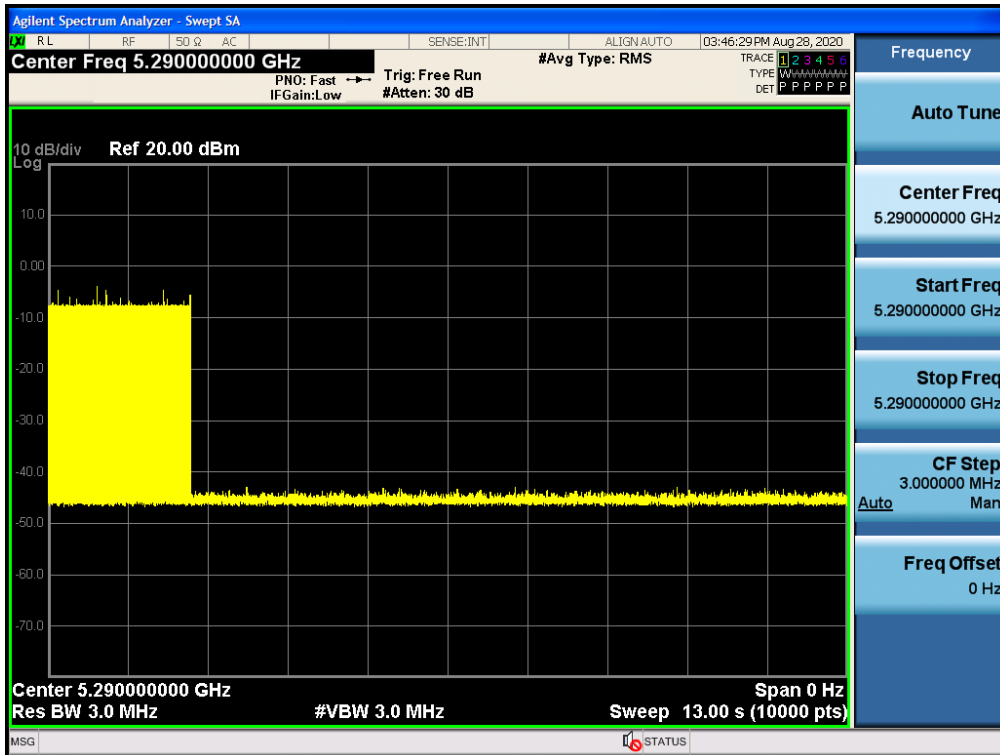


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4.13.5.1.2 Test Bandwidth/ Channel =80MHz/5290MHz

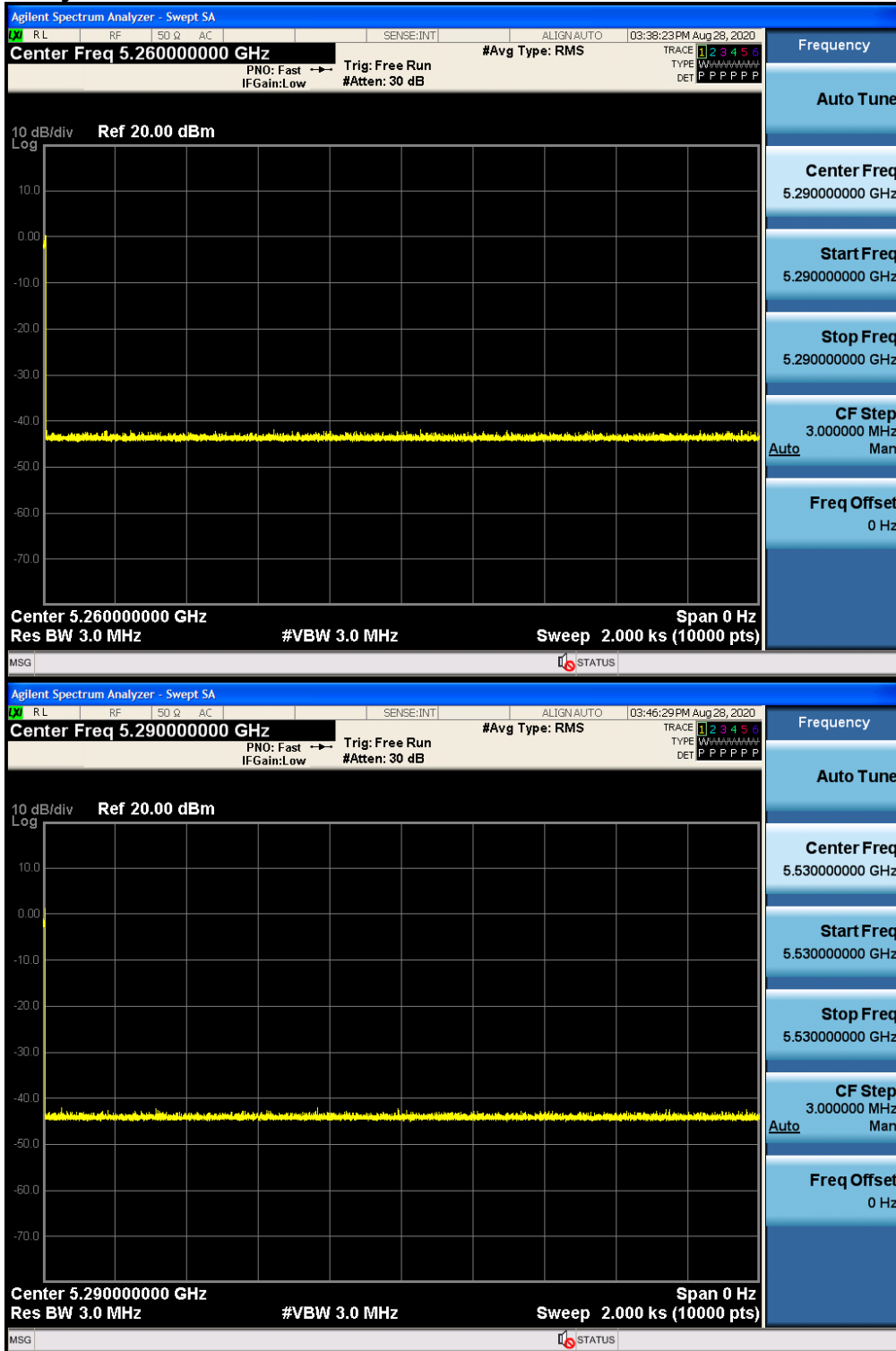


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No-occupancy Period:



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

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



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## 6 Equipment List

Conducted Emission					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)
Shielding Room	ZhongYu Electron	GB-88	SEM001-06	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





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	2020/8/4	2023/8/3
				2017/8/5	2020/8/4
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM025-01	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	2018/4/13	2021/4/12
Horn Antenna (15-40GHz)	Schwarzbeck	BBHA 9170	SEM003-15	2017/10/17	2020/10/16
Amplifier(0.1-1300MHz)	HP	8447D	SEM005-02	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 ZR/2020/80017.

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The End



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