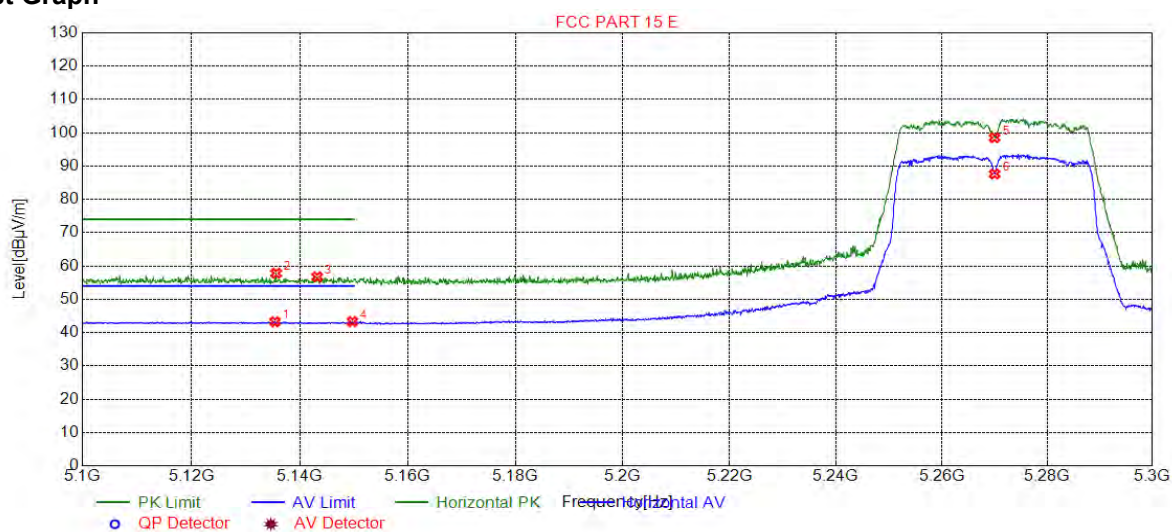


4.10.1.41 802.11N40_Channel 54 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5135.41	43.28	19.41	54.00	10.72	330	85	Horizontal
2	5135.61	57.85	19.40	74.00	16.15	179	332	Horizontal
3	5143.22	56.76	19.33	74.00	17.24	322	249	Horizontal
4	5149.72	43.35	19.33	54.00	10.65	174	76	Horizontal
5	5270.00	98.52	18.63	0.00	-98.52	160	16	Horizontal
6	5270.00	87.63	18.63	0.00	-87.63	120	16	Horizontal

Final Data List

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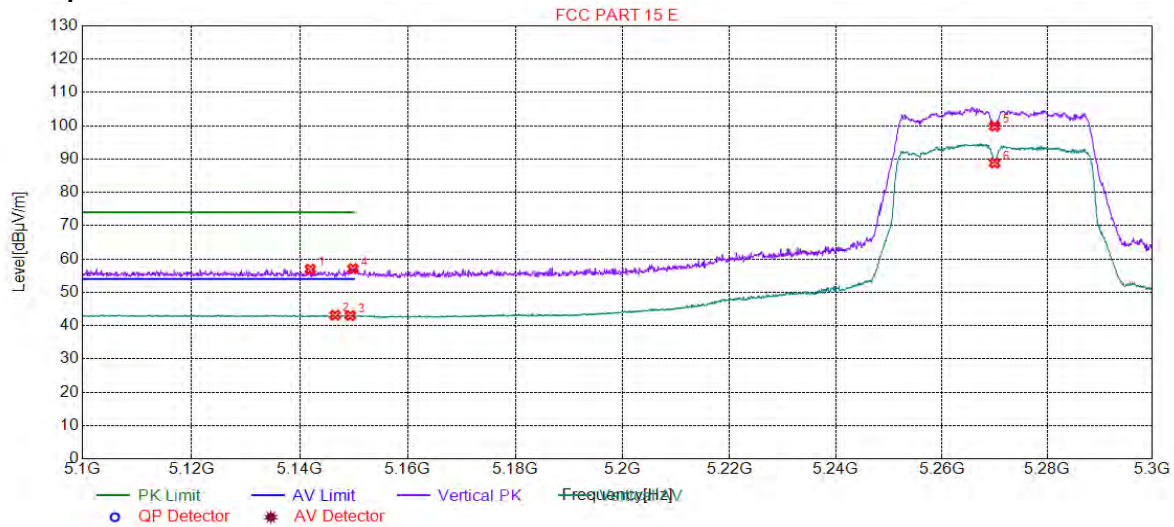


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4.10.1.42 802.11N40_Channel 54 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5141.92	56.95	19.33	74.00	17.05	109	134	Vertical
2	5146.52	43.15	19.32	54.00	10.85	330	70	Vertical
3	5149.32	43.04	19.33	54.00	10.96	130	312	Vertical
4	5149.82	57.12	19.33	74.00	16.88	193	340	Vertical
5	5270.00	99.86	18.63	0.00	-99.86	228	344	Vertical
6	5270.00	88.81	18.63	0.00	-88.81	383	344	Vertical

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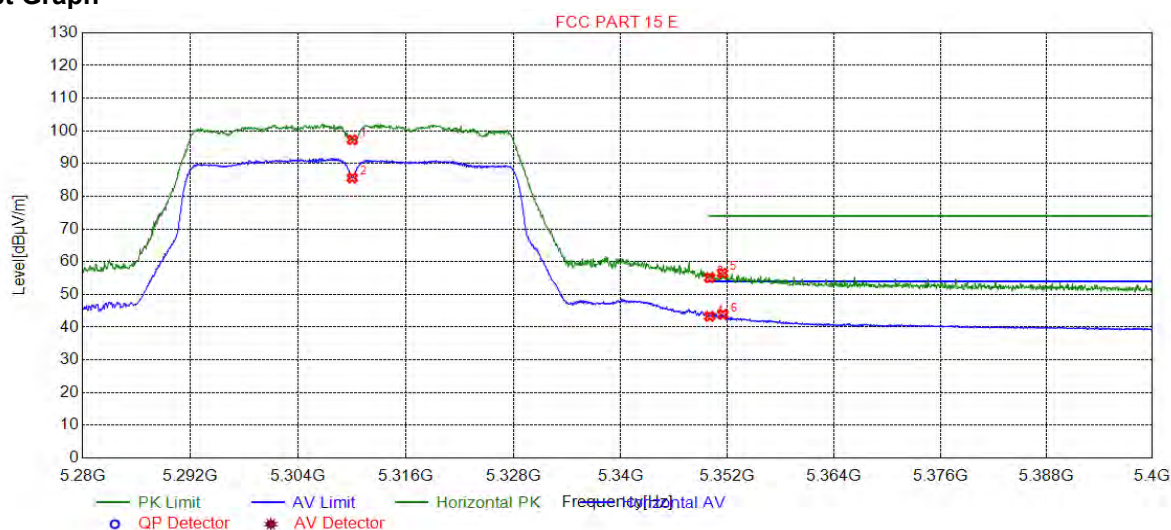
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4.10.1.43 802.11N40_Channel 62 MIMO P=12

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	97.29	18.57	0.00	-97.29	121	12	Horizontal
2	5310.00	85.64	18.57	0.00	-85.64	300	16	Horizontal
3	5350.00	55.12	18.54	74.00	18.88	244	16	Horizontal
4	5350.00	43.33	18.54	54.00	10.67	201	54	Horizontal
5	5351.43	56.51	18.54	74.00	17.49	141	61	Horizontal
6	5351.49	43.90	18.54	54.00	10.10	263	61	Horizontal

Final Data List

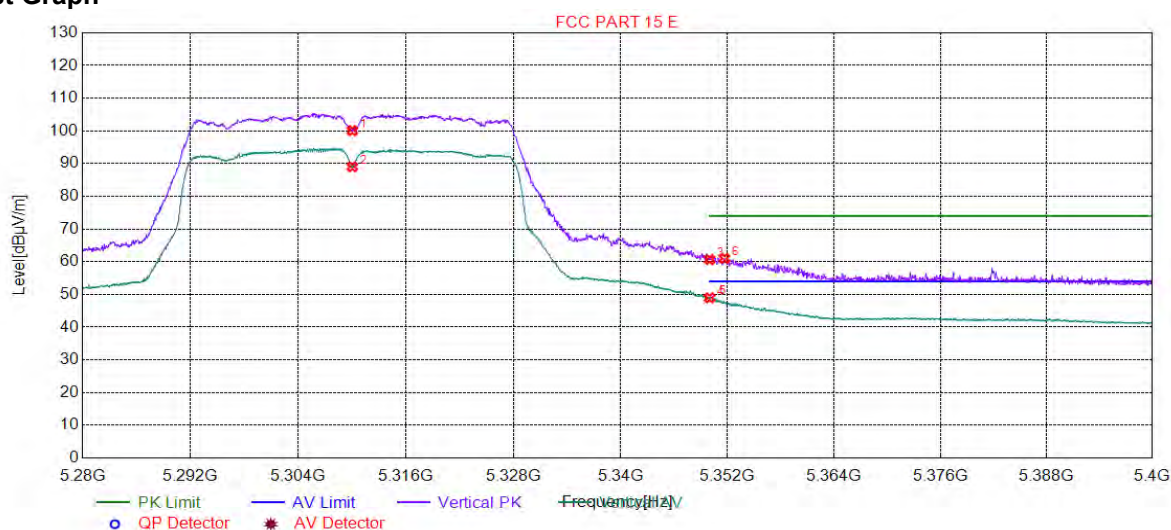


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4.10.1.44 802.11N40_Channel 62 MIMO P=12

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	100.09	18.57	0.00	-100.09	381	40	Vertical
2	5310.00	89.05	18.57	0.00	-89.05	206	36	Vertical
3	5350.00	60.69	18.54	74.00	13.31	201	352	Vertical
4	5350.00	48.96	18.54	54.00	5.04	152	341	Vertical
5	5350.17	49.24	18.54	54.00	4.76	108	348	Vertical
6	5351.67	61.02	18.54	74.00	12.98	143	14	Vertical

Final Data List



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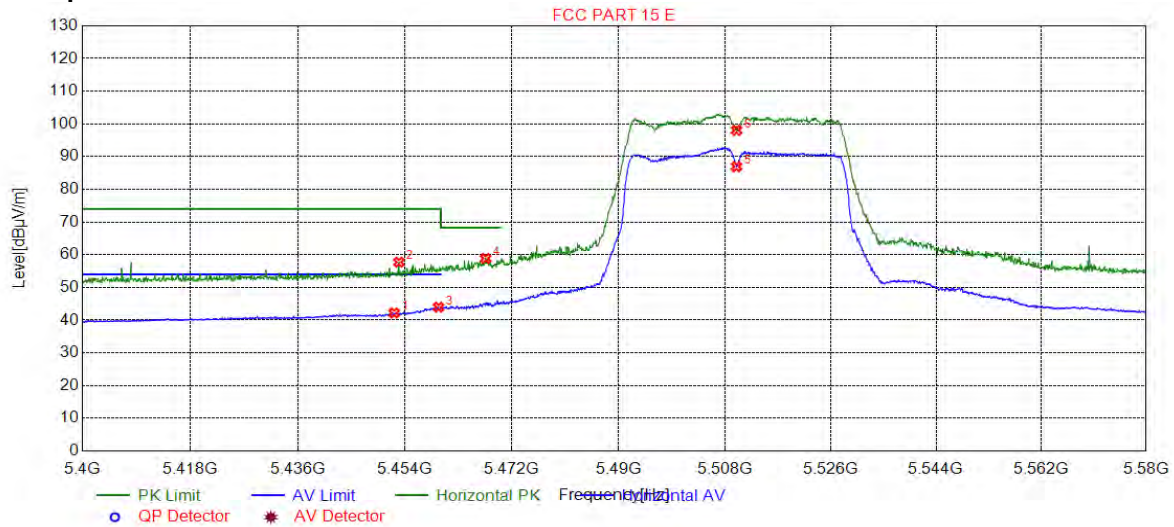
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4.10.1.45 802.11N40_Channel 102 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5452.13	42.21	18.08	54.00	11.79	191	30	Horizontal
2	5452.94	57.74	18.08	74.00	16.26	315	11	Horizontal
3	5459.60	43.99	18.12	54.00	10.01	253	74	Horizontal
4	5467.53	58.87	18.20	68.30	9.43	338	63	Horizontal
5	5510.00	86.93	18.08	0.00	-86.93	153	74	Horizontal
6	5510.00	98.05	18.08	0.00	-98.05	389	78	Horizontal

Final Data List

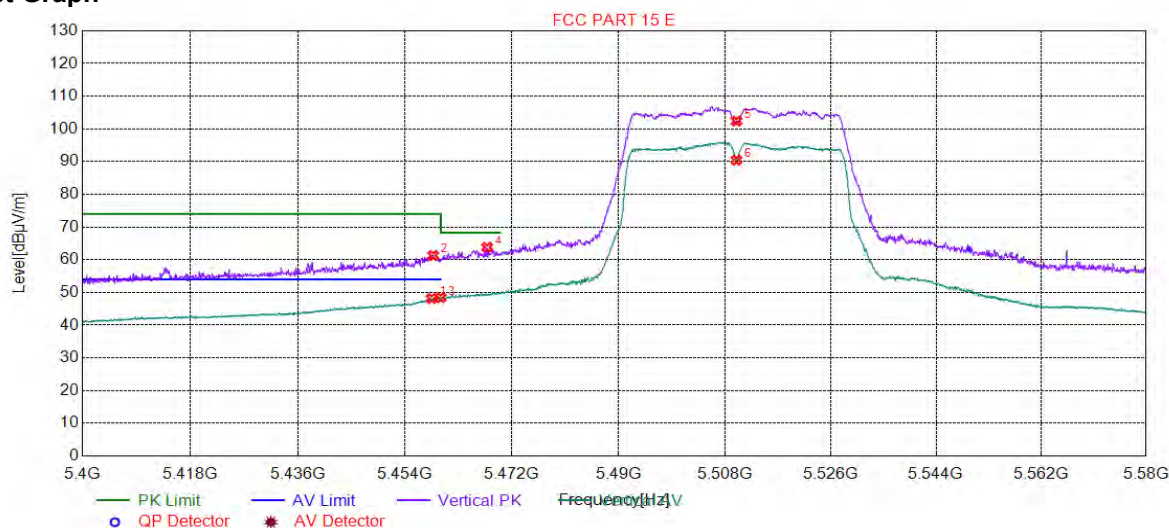


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4.10.1.46 802.11N40_Channel 102 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5458.43	48.17	18.11	54.00	5.83	135	14	Vertical
2	5458.70	61.29	18.11	74.00	12.71	303	347	Vertical
3	5459.97	48.42	18.13	54.00	5.58	205	347	Vertical
4	5467.80	63.80	18.20	68.30	4.50	280	351	Vertical
5	5510.00	102.38	18.08	0.00	-102.38	369	25	Vertical
6	5510.00	90.46	18.08	0.00	-90.46	167	21	Vertical

Final Data List

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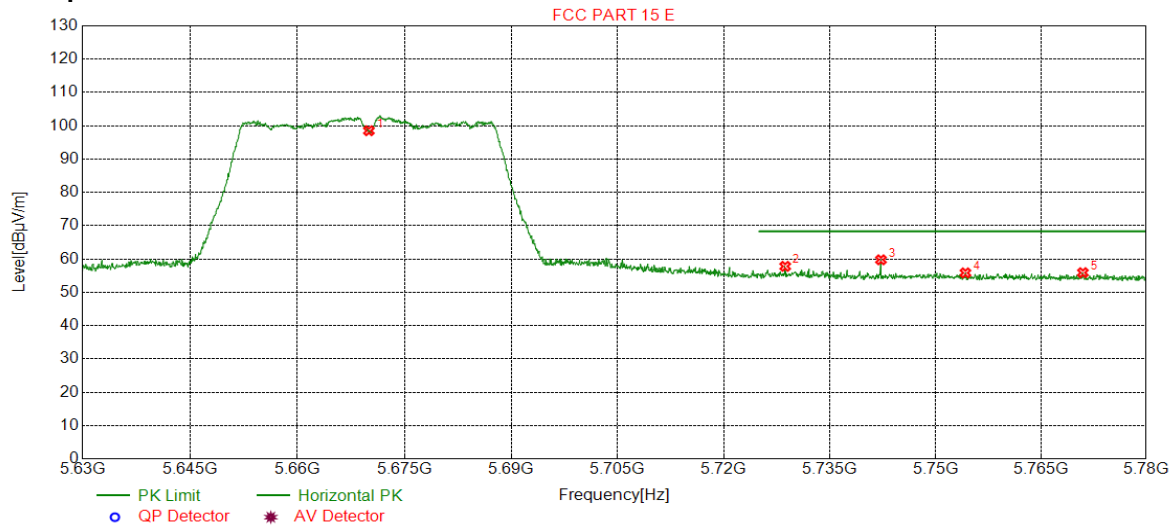


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4.10.1.47 802.11N40_Channel 134 MIMO

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	98.51	18.24	0.00	-98.51	127	56	Horizontal
2	5728.67	57.81	18.46	68.30	10.49	223	84	Horizontal
3	5742.25	59.77	18.34	68.30	8.53	182	80	Horizontal
4	5754.26	55.84	18.42	68.30	12.46	309	53	Horizontal
5	5770.99	55.91	18.40	68.30	12.39	262	84	Horizontal

Final Data List

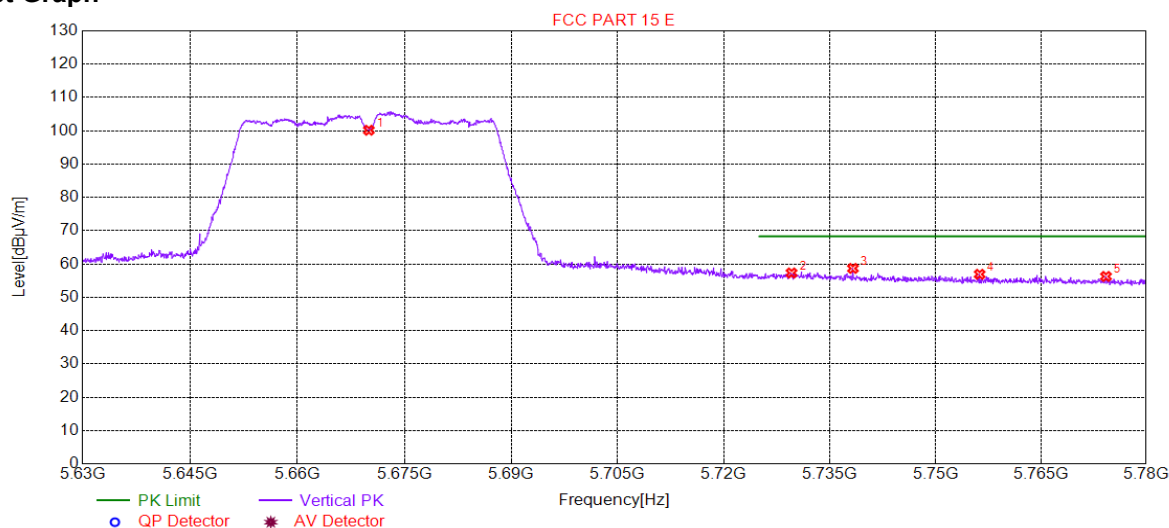


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4.10.1.48 802.11N40_Channel 134 MIMO

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	100.16	18.24	0.00	-100.16	243	354	Vertical
2	5729.57	57.32	18.49	68.30	10.98	197	357	Vertical
3	5738.27	58.69	18.35	68.30	9.61	143	72	Vertical
4	5756.28	56.93	18.38	68.30	11.37	294	36	Vertical
5	5774.29	56.28	18.34	68.30	12.02	282	315	Vertical

Final Data List

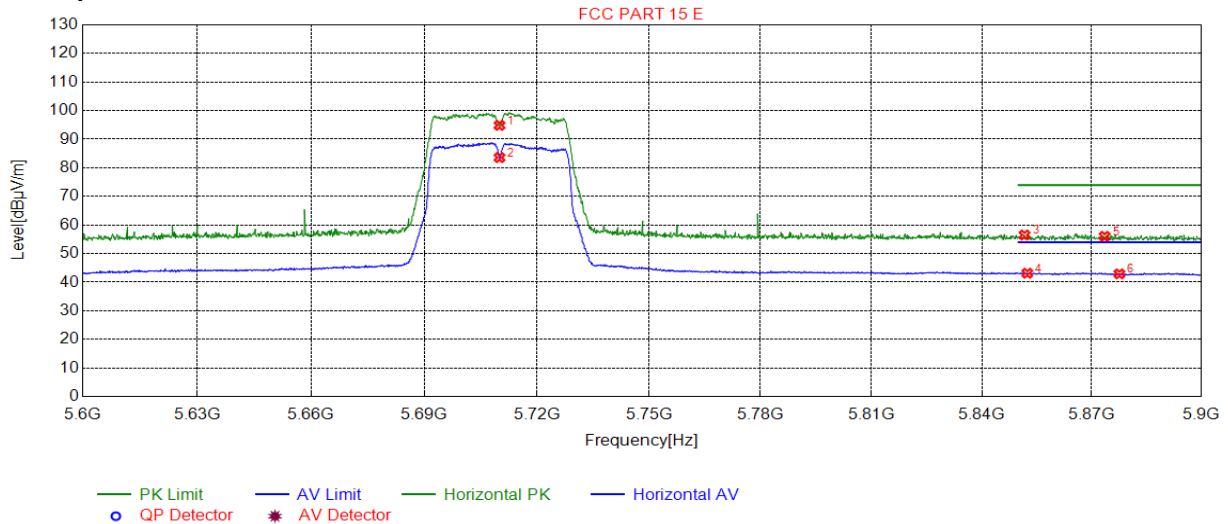


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4.10.1.49 802.11N40_Channel 142 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5710.00	94.86	18.52	0.00	-94.86	147	83	Horizontal
2	5710.00	83.58	18.52	0.00	-83.58	321	69	Horizontal
3	5851.67	56.52	18.74	74.00	17.48	333	1	Horizontal
4	5852.42	43.15	18.72	54.00	10.85	233	231	Horizontal
5	5873.58	56.04	18.77	74.00	17.96	392	155	Horizontal
6	5877.63	42.92	18.67	54.00	11.08	260	83	Horizontal

Final Data List



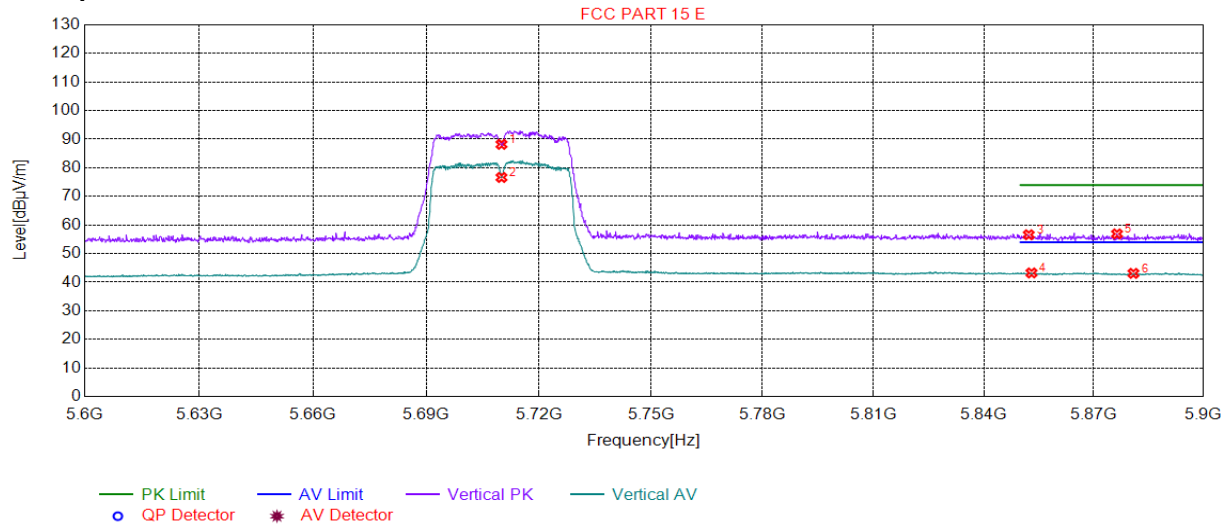
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4.10.1.50 802.11N40_Channel 142 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5710.00	88.21	18.52	0.00	-88.21	278	259	Vertical
2	5710.00	76.63	18.52	0.00	-76.63	250	278	Vertical
3	5852.27	56.60	18.72	74.00	17.40	317	39	Vertical
4	5853.02	43.25	18.71	54.00	10.75	159	344	Vertical
5	5876.43	56.90	18.69	74.00	17.10	290	183	Vertical
6	5880.94	43.10	18.66	54.00	10.90	168	221	Vertical

Final Data List



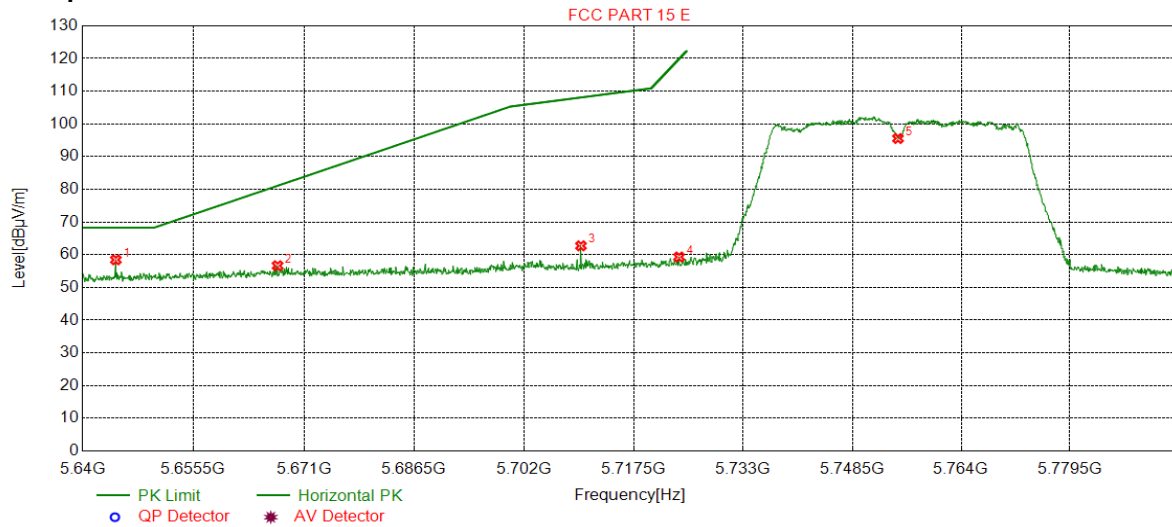
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4.10.1.51 802.11N40_Channel 151 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5644.65	58.46	18.01	68.30	9.84	129	19	Horizontal
2	5667.29	56.65	18.25	81.10	24.45	173	40	Horizontal
3	5710.01	62.74	18.52	108.10	45.36	367	347	Horizontal
4	5723.89	59.34	18.33	119.79	60.45	114	33	Horizontal
5	5755.00	95.56	18.39	0.00	-95.56	197	16	Horizontal

Final Data List

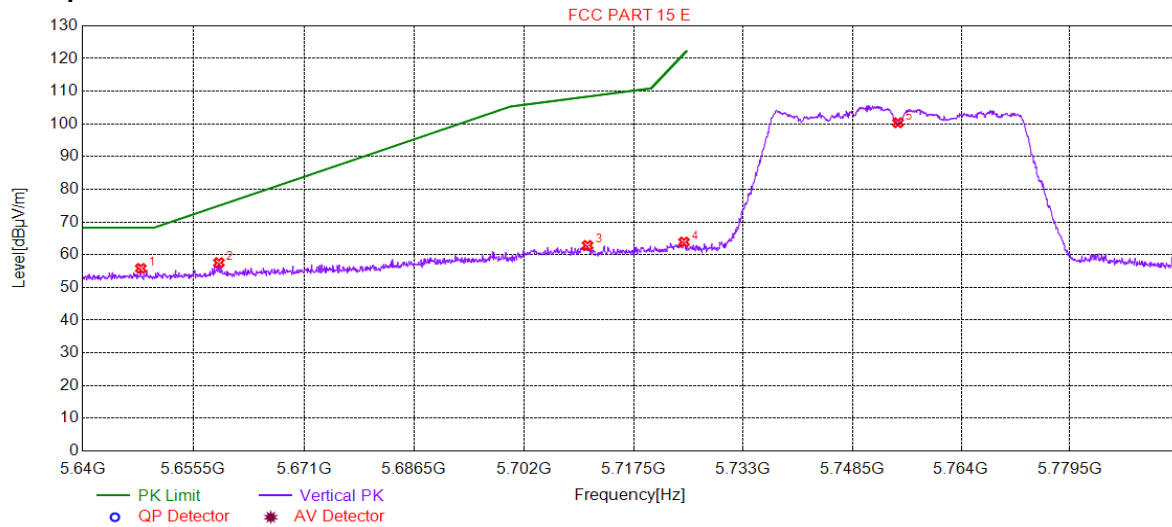


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4.10.1.52 802.11N40_Channel 151 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5648.14	55.83	17.97	68.30	12.47	325	344	Vertical
2	5659.07	57.58	18.08	75.02	17.44	237	344	Vertical
3	5710.94	62.86	18.52	108.37	45.51	385	10	Vertical
4	5724.59	63.90	18.33	121.38	57.48	190	0	Vertical
5	5755.00	100.37	18.39	0.00	-100.37	194	344	Vertical

Final Data List

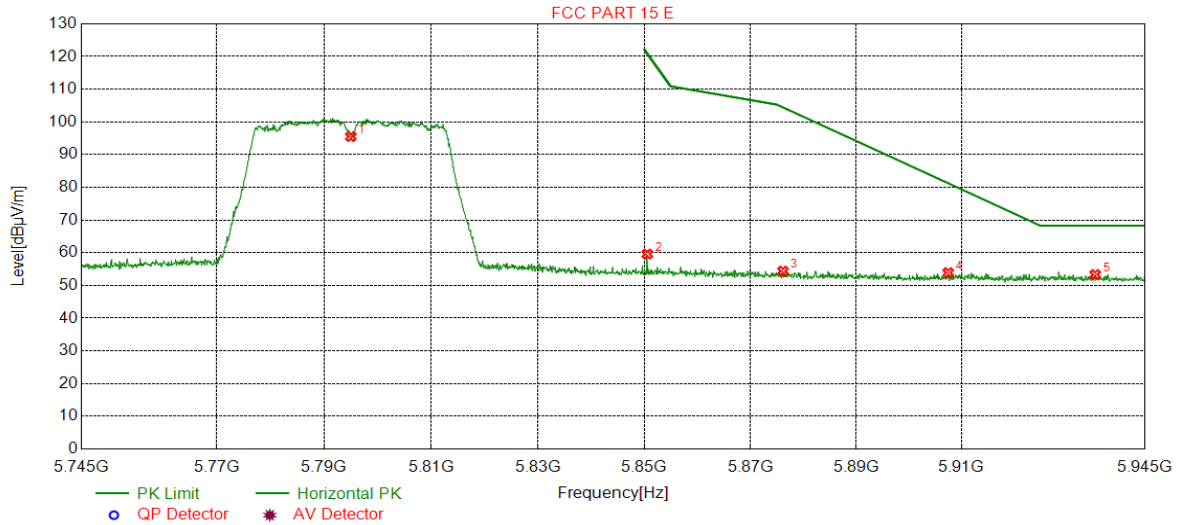


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4.10.1.53 802.11N40_Channel 159 MIMO

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	95.55	18.58	0.00	-95.55	277	16	Horizontal
2	5850.55	59.61	18.76	121.04	61.43	179	85	Horizontal
3	5876.16	54.40	18.70	104.44	50.04	200	19	Horizontal
4	5907.48	53.92	19.14	81.26	27.34	264	95	Horizontal
5	5935.49	53.34	19.03	68.30	14.96	395	338	Horizontal

Final Data List

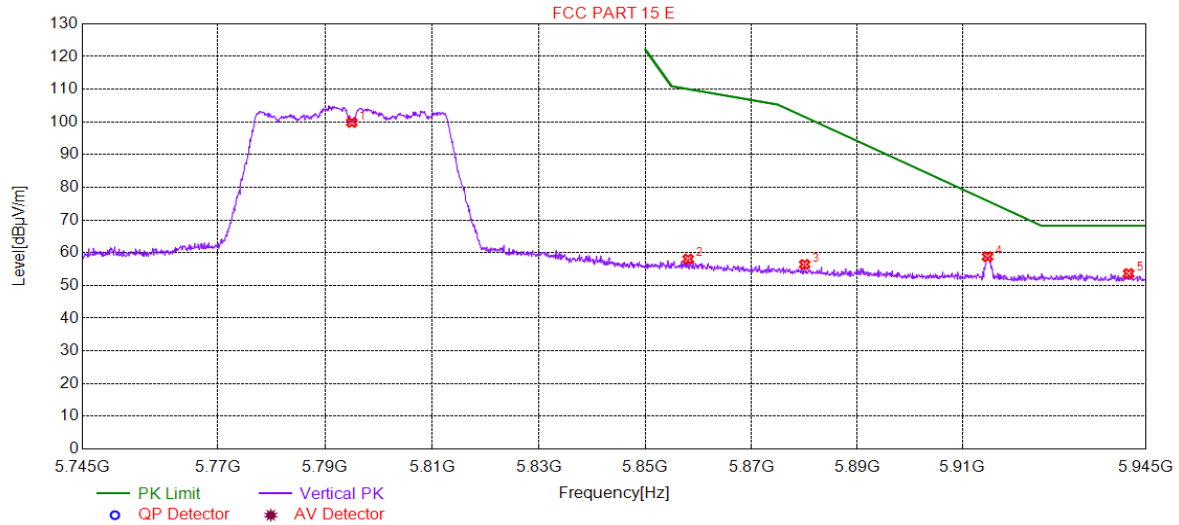


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4.10.1.54 802.11N40_Channel 159 MIMO

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	99.86	18.58	0.00	-99.86	231	1	Vertical
2	5858.05	58.08	18.61	110.04	51.96	392	344	Vertical
3	5880.06	56.44	18.63	101.55	45.11	166	1	Vertical
4	5914.78	58.82	19.15	75.86	17.04	328	36	Vertical
5	5941.69	53.66	18.83	68.30	14.64	277	70	Vertical

Final Data List

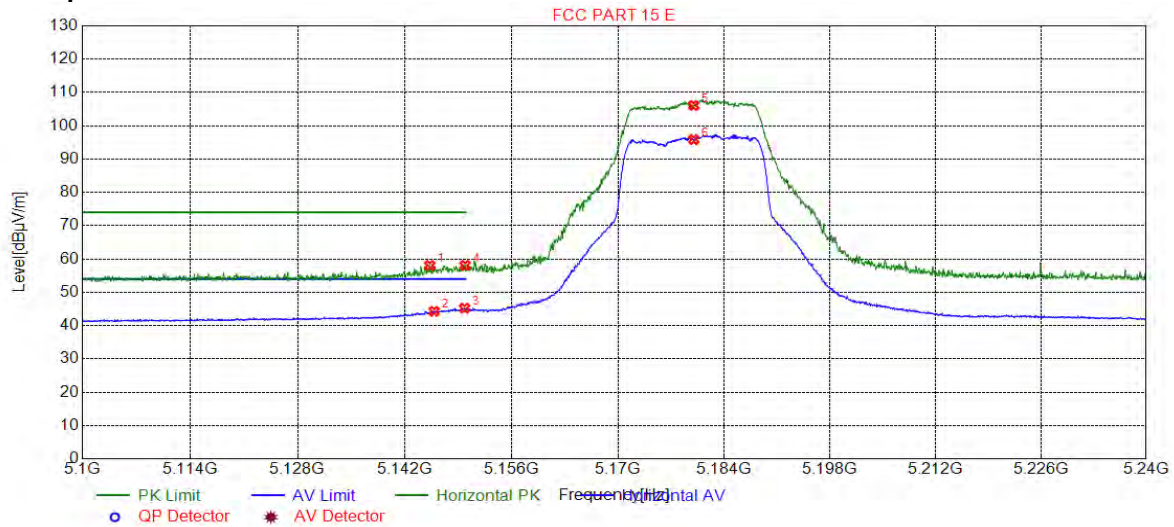


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4.10.1.55 802.11AC20_Channel 36 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5145.31	58.11	19.32	74.00	15.89	117	32	Horizontal
2	5145.87	44.32	19.32	54.00	9.68	179	28	Horizontal
3	5149.86	45.25	19.33	54.00	8.75	173	44	Horizontal
4	5149.93	58.13	19.33	74.00	15.87	365	59	Horizontal
5	5180.00	106.09	19.19	0.00	-106.09	261	14	Horizontal
6	5180.00	95.87	19.19	0.00	-95.87	175	14	Horizontal

Final Data List

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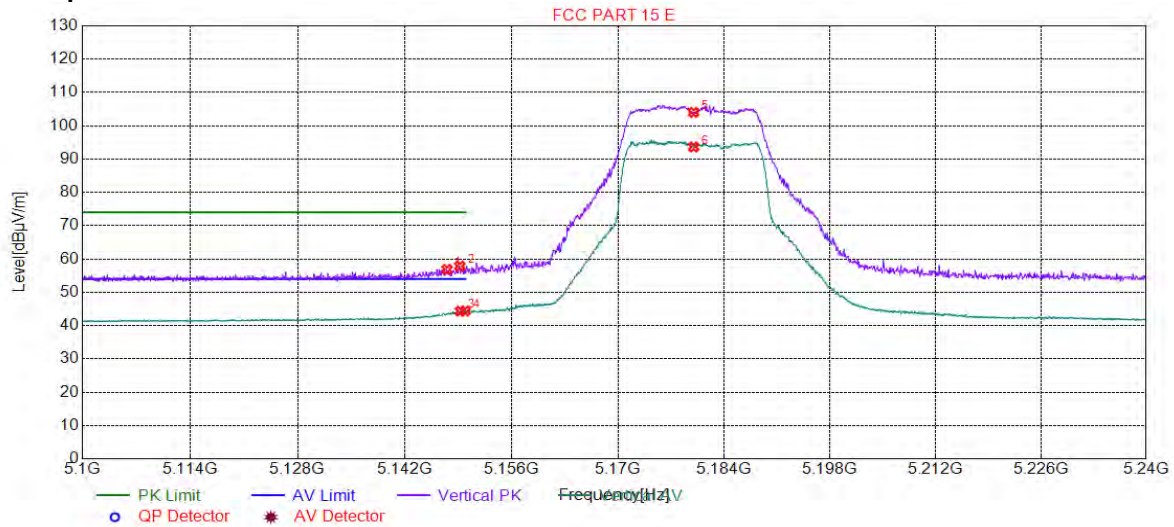


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4.10.1.56 802.11AC20_Channel 36 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5147.55	56.88	19.33	74.00	17.12	396	324	Vertical
2	5149.23	57.88	19.33	74.00	16.12	247	324	Vertical
3	5149.30	44.37	19.33	54.00	9.63	110	328	Vertical
4	5149.93	44.40	19.33	54.00	9.60	195	328	Vertical
5	5180.00	104.03	19.19	0.00	-104.03	166	343	Vertical
6	5180.00	93.64	19.19	0.00	-93.64	166	346	Vertical

Final Data List

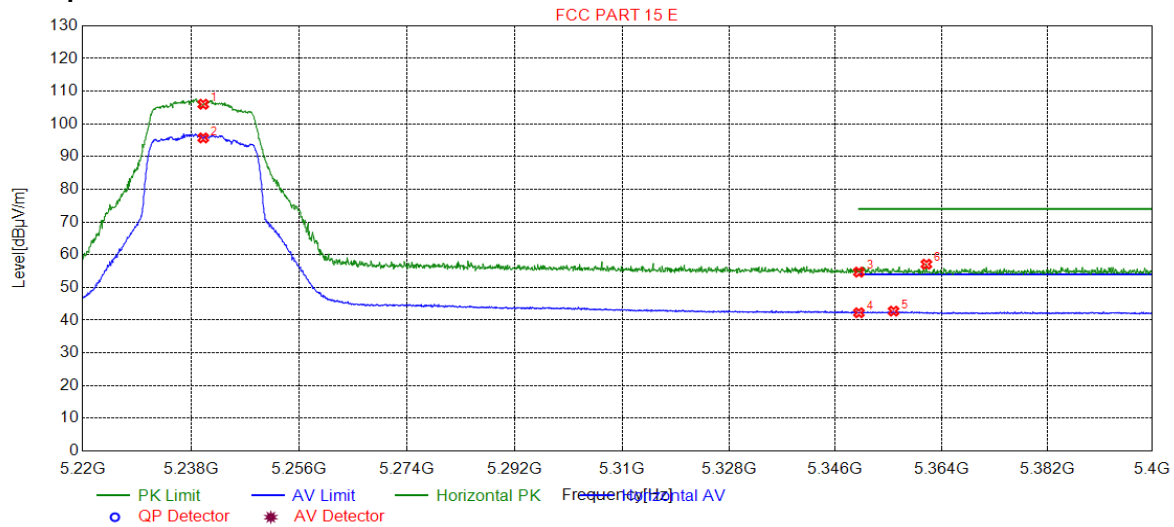


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4.10.1.57 802.11AC20_Channel 48 MIMO

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	106.03	18.80	0.00	-106.03	106	40	Horizontal
2	5240.00	95.73	18.80	0.00	-95.73	159	28	Horizontal
3	5350.00	54.70	18.54	74.00	19.30	282	47	Horizontal
4	5350.00	42.27	18.54	54.00	11.73	214	249	Horizontal
5	5355.87	42.77	18.56	54.00	11.23	105	32	Horizontal
6	5361.46	57.12	18.55	74.00	16.88	106	286	Horizontal

Final Data List

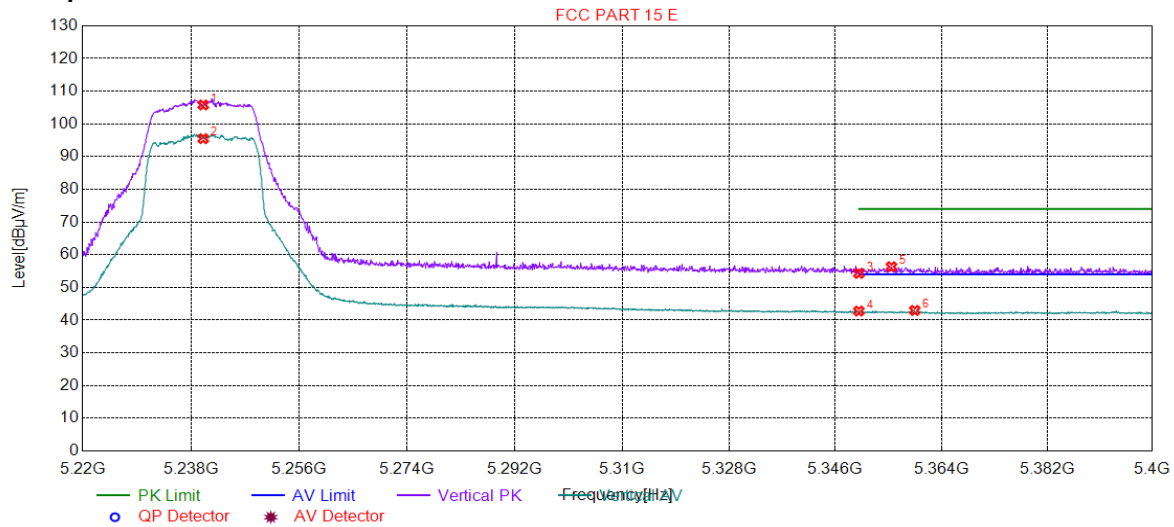
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4.10.1.58 802.11AC20_Channel 48 MIMO

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	105.81	18.80	0.00	-105.81	144	324	Vertical
2	5240.00	95.50	18.80	0.00	-95.50	381	324	Vertical
3	5350.00	54.31	18.54	74.00	19.69	271	328	Vertical
4	5350.00	42.79	18.54	54.00	11.21	269	346	Vertical
5	5355.51	56.36	18.55	74.00	17.64	305	346	Vertical
6	5359.47	42.99	18.59	54.00	11.01	111	335	Vertical

Final Data List

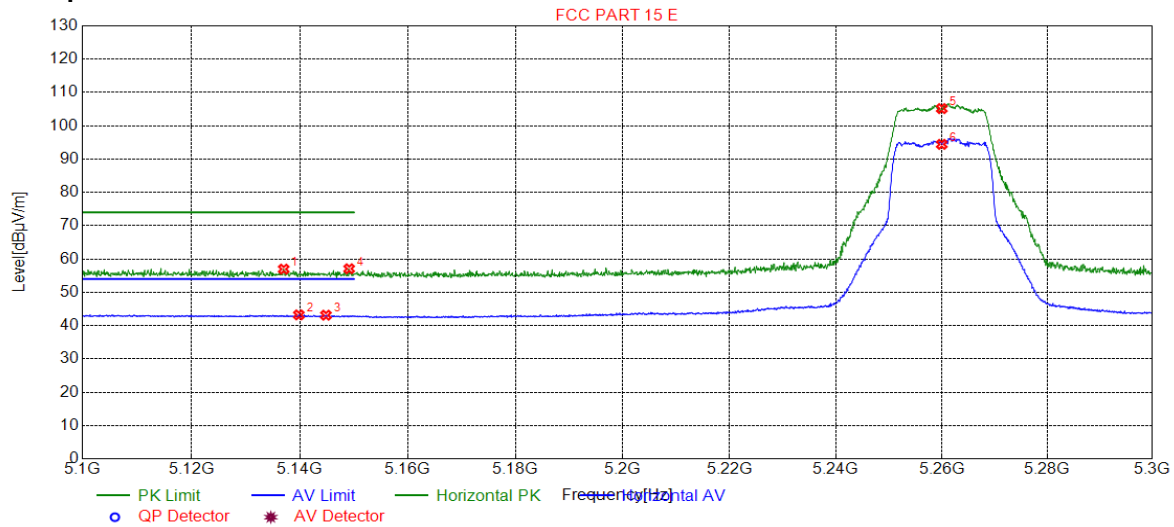
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4.10.1.59 802.11AC20_Channel 52 MIMO

Test Graph



Suspected List

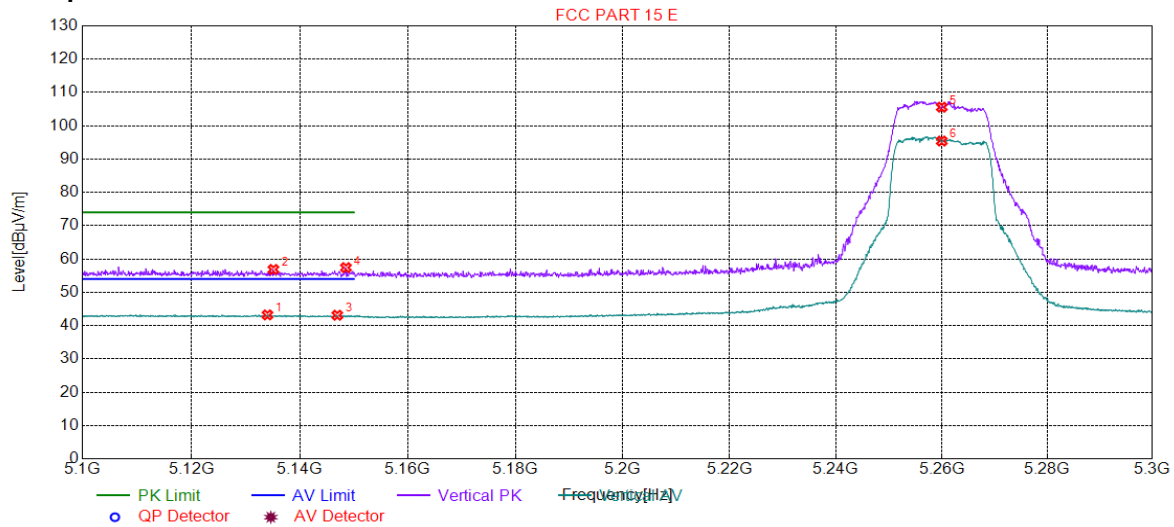
Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5137.01	56.98	19.38	74.00	17.02	319	312	Horizontal
2	5139.81	43.24	19.34	54.00	10.76	166	304	Horizontal
3	5144.82	43.15	19.32	54.00	10.85	120	349	Horizontal
4	5149.12	57.09	19.33	74.00	16.91	156	36	Horizontal
5	5260.00	105.16	18.84	0.00	-105.16	338	14	Horizontal
6	5260.00	94.43	18.84	0.00	-94.43	238	14	Horizontal

Final Data List

Final Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5137.01	56.98	19.38	74.00	17.02	319	312	Horizontal
2	5139.81	43.24	19.34	54.00	10.76	166	304	Horizontal
3	5144.82	43.15	19.32	54.00	10.85	120	349	Horizontal
4	5149.12	57.09	19.33	74.00	16.91	156	36	Horizontal
5	5260.00	105.16	18.84	0.00	-105.16	338	14	Horizontal
6	5260.00	94.43	18.84	0.00	-94.43	238	14	Horizontal

4.10.1.60 802.11AC20_Channel 52 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5134.01	43.23	19.40	54.00	10.77	272	62	Vertical
2	5135.11	56.88	19.41	74.00	17.12	315	54	Vertical
3	5146.92	43.14	19.32	54.00	10.86	372	313	Vertical
4	5148.52	57.43	19.33	74.00	16.57	216	62	Vertical
5	5260.00	105.58	18.84	0.00	-105.58	353	346	Vertical
6	5260.00	95.42	18.84	0.00	-95.42	103	346	Vertical

Final Data List



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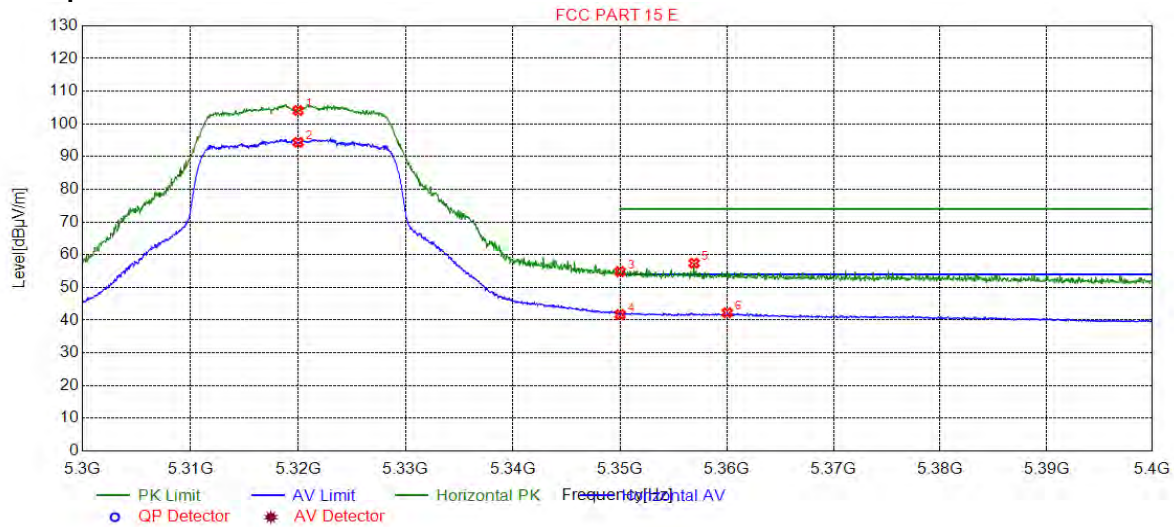
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4.10.1.61 802.11AC20_Channel 64 MIMO

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	104.10	18.58	0.00	-104.10	157	30	Horizontal
2	5320.00	94.36	18.58	0.00	-94.36	125	30	Horizontal
3	5350.00	54.85	18.54	74.00	19.15	118	16	Horizontal
4	5350.00	41.72	18.54	54.00	12.28	292	16	Horizontal
5	5356.92	57.44	18.57	74.00	16.56	166	236	Horizontal
6	5360.03	42.27	18.60	54.00	11.73	368	34	Horizontal

Final Data List

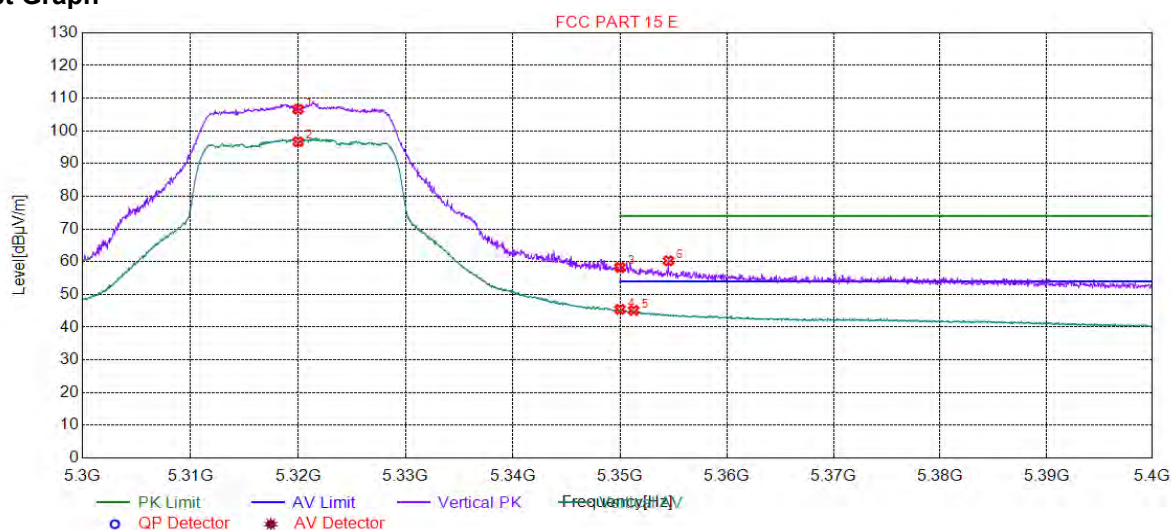


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4.10.1.62 802.11AC20_Channel 64 MIMO

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	106.63	18.58	0.00	-106.63	226	316	Vertical
2	5320.00	96.71	18.58	0.00	-96.71	377	325	Vertical
3	5350.00	58.27	18.54	74.00	15.73	127	344	Vertical
4	5350.00	45.45	18.54	54.00	8.55	179	344	Vertical
5	5351.27	45.13	18.54	54.00	8.87	146	344	Vertical
6	5354.52	60.31	18.55	74.00	13.69	289	335	Vertical

Final Data List

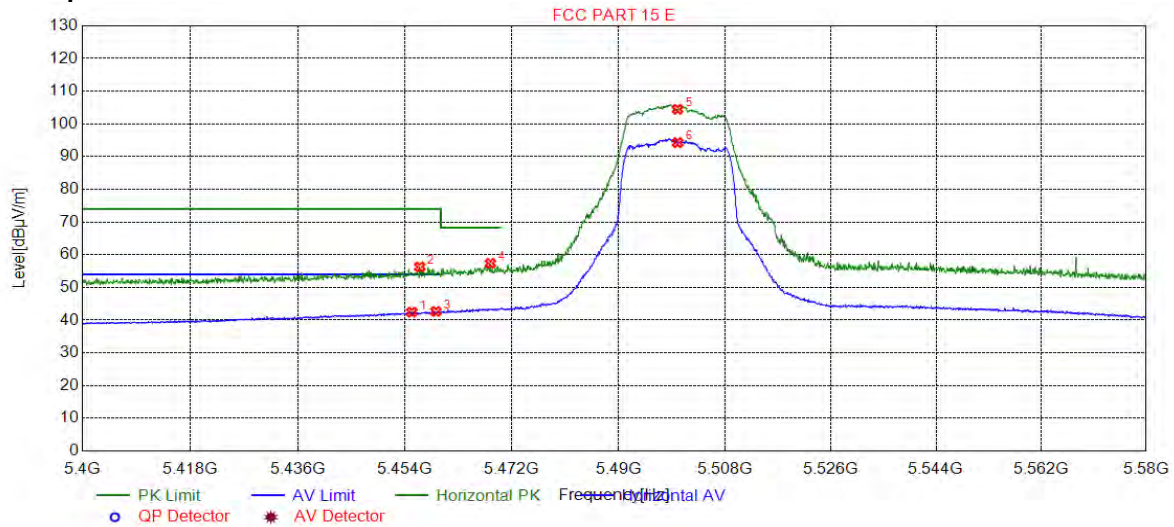


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4.10.1.63 802.11AC20_Channel 100 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5455.10	42.45	18.06	54.00	11.55	212	36	Horizontal
2	5456.45	56.31	18.08	74.00	17.69	164	40	Horizontal
3	5459.15	42.67	18.12	54.00	11.33	195	43	Horizontal
4	5468.34	57.38	18.20	68.30	10.92	294	88	Horizontal
5	5500.00	104.47	18.24	0.00	-104.47	219	40	Horizontal
6	5500.00	94.28	18.24	0.00	-94.28	331	40	Horizontal

Final Data List

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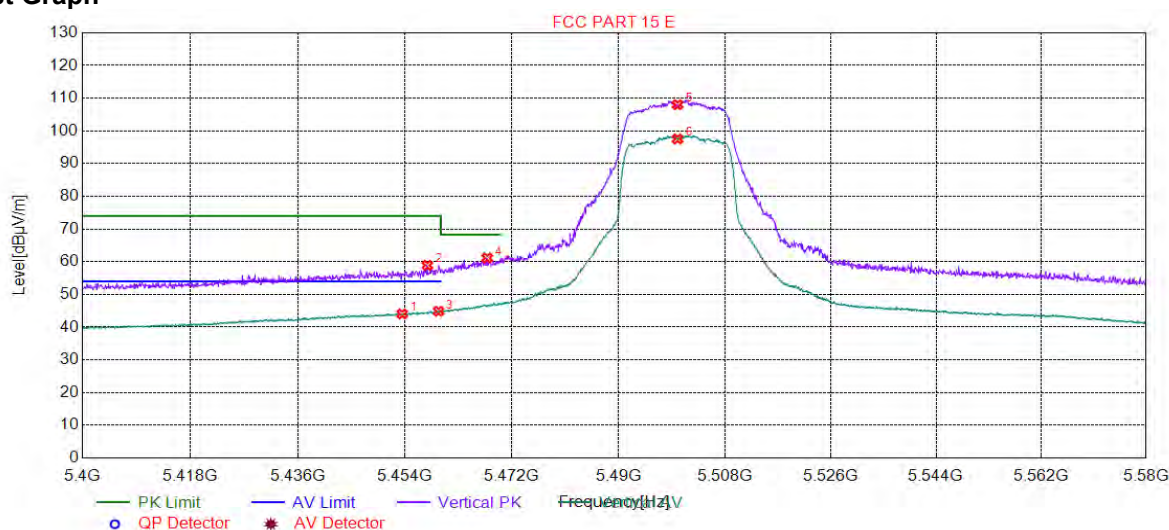


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4.10.1.64 802.11AC20_Channel 100 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5453.48	44.07	18.07	54.00	9.93	341	346	Vertical
2	5457.71	58.92	18.10	74.00	15.08	327	346	Vertical
3	5459.60	44.88	18.12	54.00	9.12	298	346	Vertical
4	5467.80	61.16	18.20	68.30	7.14	279	10	Vertical
5	5500.00	108.03	18.24	0.00	-108.03	298	342	Vertical
6	5500.00	97.54	18.24	0.00	-97.54	342	342	Vertical

Final Data List

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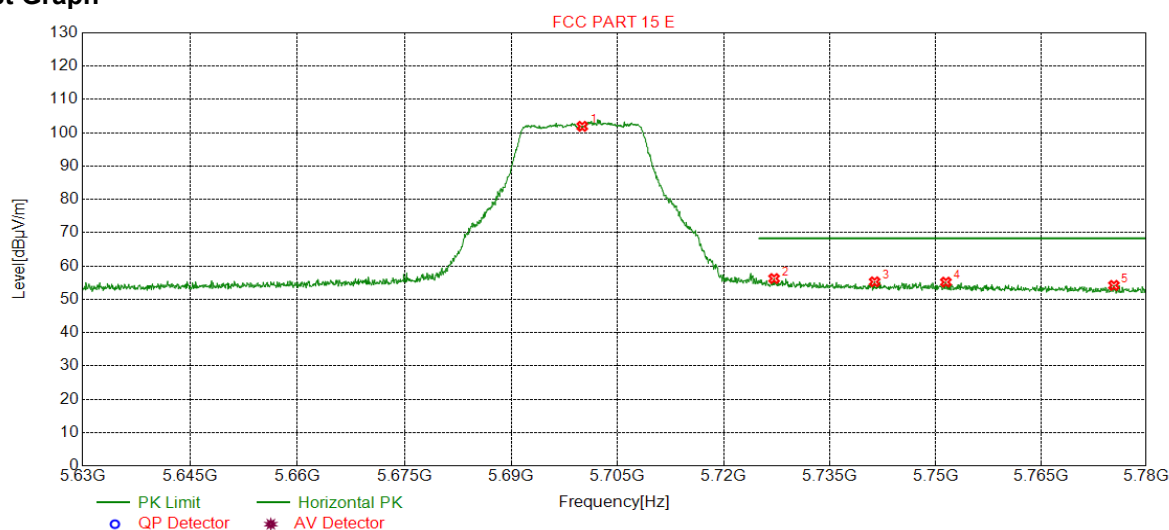


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4.10.1.65 802.11AC20_Channel 140 MIMO

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	101.93	18.24	0.00	-101.93	171	41	Horizontal
2	5727.09	56.25	18.40	68.30	12.05	224	22	Horizontal
3	5741.35	55.27	18.33	68.30	13.03	286	47	Horizontal
4	5751.48	55.17	18.55	68.30	13.13	252	45	Horizontal
5	5775.42	54.19	18.33	68.30	14.11	226	41	Horizontal

Final Data List

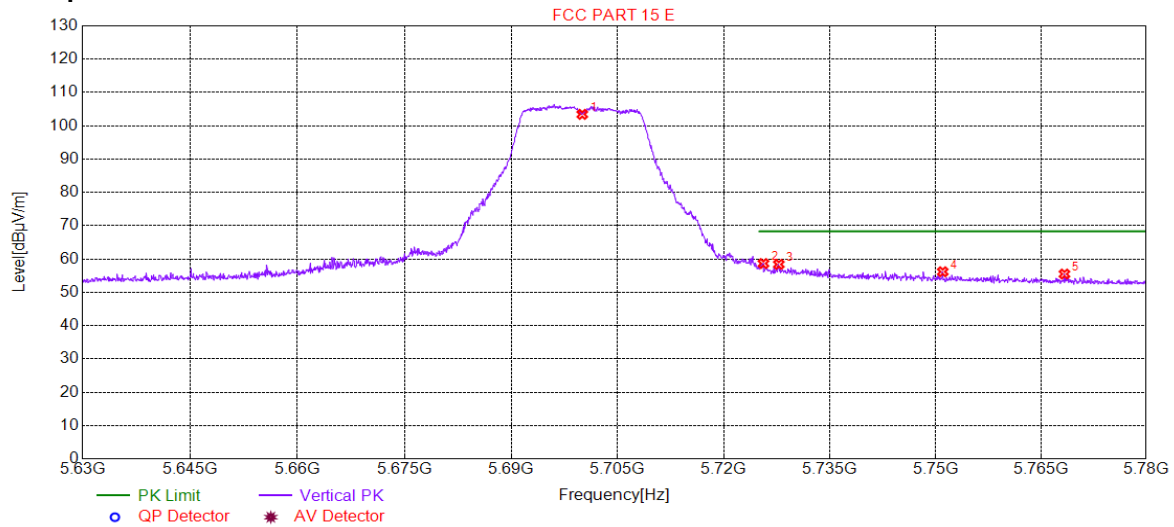


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4.10.1.66 802.11AC20_Channel 140 MIMO

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	103.43	18.24	0.00	-103.43	117	6	Vertical
2	5725.59	58.65	18.35	68.30	9.65	390	36	Vertical
3	5727.77	58.41	18.43	68.30	9.89	271	36	Vertical
4	5751.03	56.19	18.57	68.30	12.11	148	98	Vertical
5	5768.36	55.50	18.40	68.30	12.80	258	345	Vertical

Final Data List

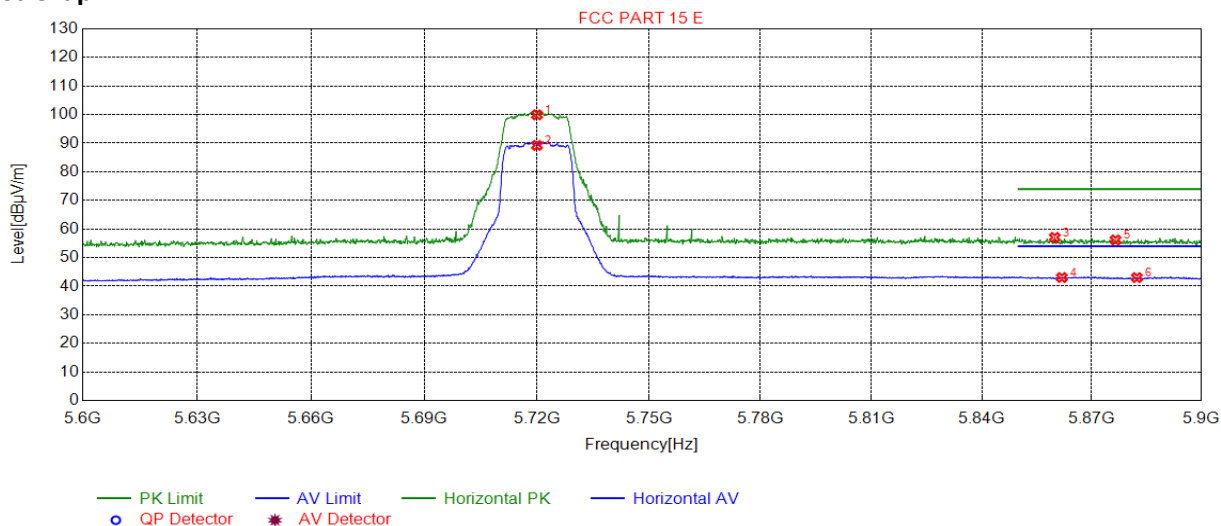


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4.10.1.67 802.11AC20_Channel 144 MIMO

Test Graph



Suspected List

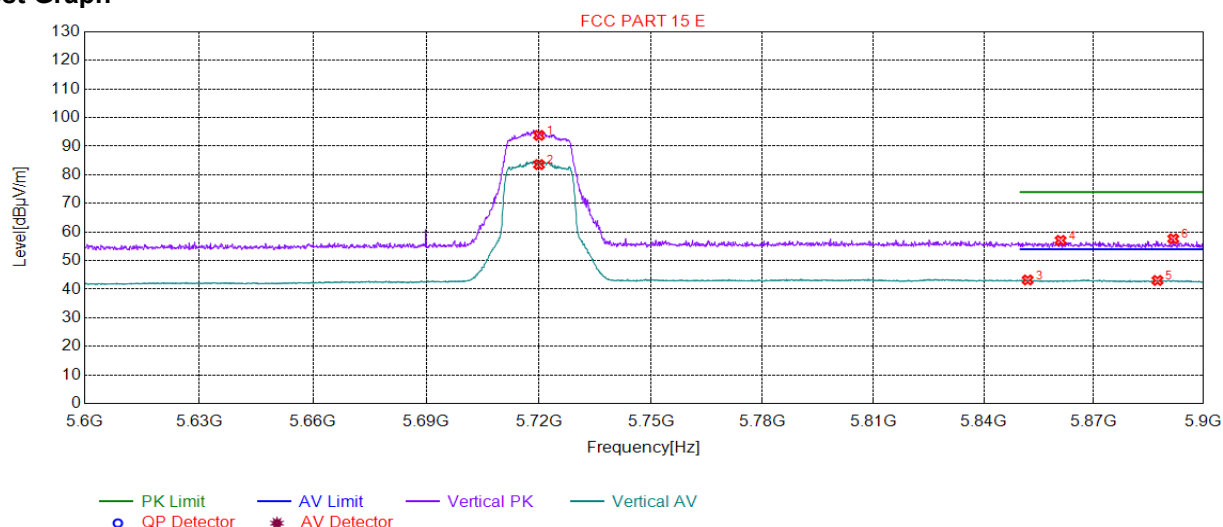
Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5720.00	99.94	18.33	0.00	-99.94	132	88	Horizontal
2	5720.00	89.24	18.33	0.00	-89.24	103	74	Horizontal
3	5859.93	57.07	18.58	74.00	16.93	281	178	Horizontal
4	5861.88	43.04	18.67	54.00	10.96	264	207	Horizontal
5	5876.58	56.17	18.69	74.00	17.83	330	93	Horizontal
6	5882.44	43.01	18.71	54.00	10.99	383	221	Horizontal

Final Data List



4.10.1.68 802.11AC20_Channel 144 MIMO

Test Graph



Suspected List

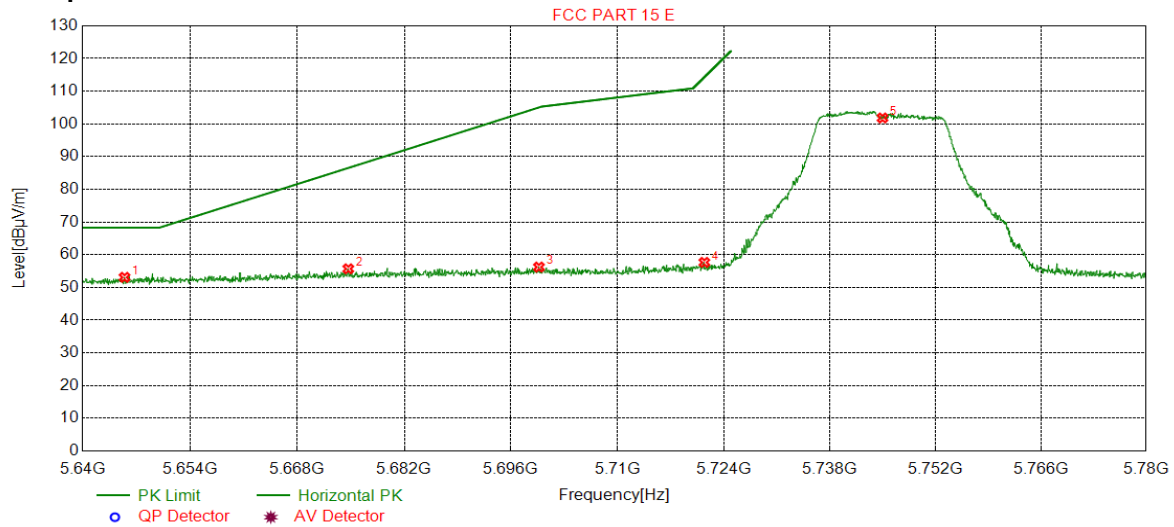
Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5720.00	93.80	18.33	0.00	-93.80	296	263	Vertical
2	5720.00	83.58	18.33	0.00	-83.58	370	258	Vertical
3	5851.97	43.23	18.73	54.00	10.77	139	258	Vertical
4	5860.98	57.08	18.63	74.00	16.92	355	278	Vertical
5	5887.54	43.07	18.88	54.00	10.93	163	292	Vertical
6	5891.89	57.64	18.94	74.00	16.36	323	273	Vertical

Final Data List



4.10.1.69 802.11AC20_Channel 149 MIMO

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	53.10	18.00	68.30	15.20	165	14	Horizontal
2	5674.66	55.71	18.30	86.55	30.84	222	42	Horizontal
3	5699.66	56.24	18.25	105.06	48.82	212	33	Horizontal
4	5721.45	57.67	18.33	114.21	56.54	269	50	Horizontal
5	5745.00	101.83	18.37	0.00	-101.83	352	56	Horizontal

Final Data List

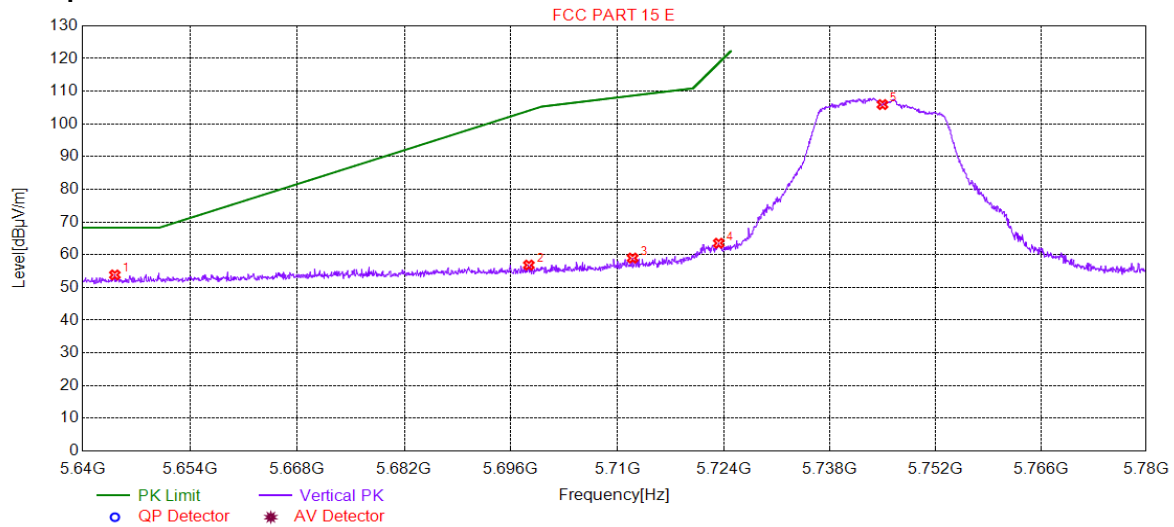


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4.10.1.70 802.11AC20_Channel 149 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5644.20	53.84	18.02	68.30	14.46	172	346	Vertical
2	5698.33	56.85	18.26	104.07	47.22	278	346	Vertical
3	5711.99	58.99	18.52	108.66	49.67	232	346	Vertical
4	5723.34	63.54	18.33	118.52	54.98	308	346	Vertical
5	5745.00	105.93	18.37	0.00	-105.93	349	346	Vertical

Final Data List



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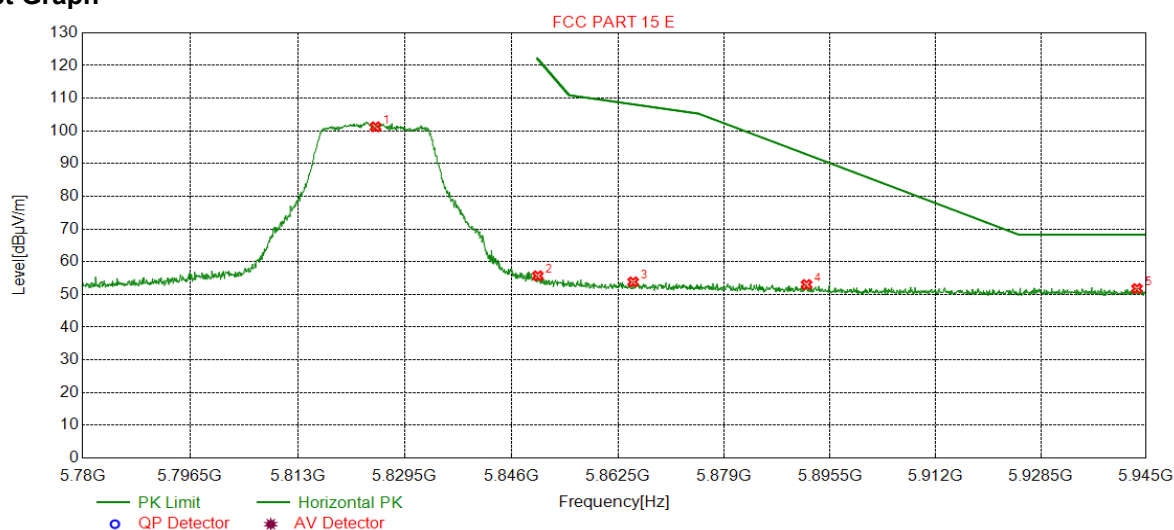
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4.10.1.71 802.11AC20_Channel 165 MIMO

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	101.27	18.80	0.00	-101.27	179	50	Horizontal
2	5850.07	55.70	18.78	122.12	66.42	228	22	Horizontal
3	5864.85	53.84	18.82	108.14	54.30	213	50	Horizontal
4	5891.84	53.03	18.95	92.84	39.81	178	37	Horizontal
5	5943.59	51.80	18.88	68.30	16.50	254	310	Horizontal

Final Data List

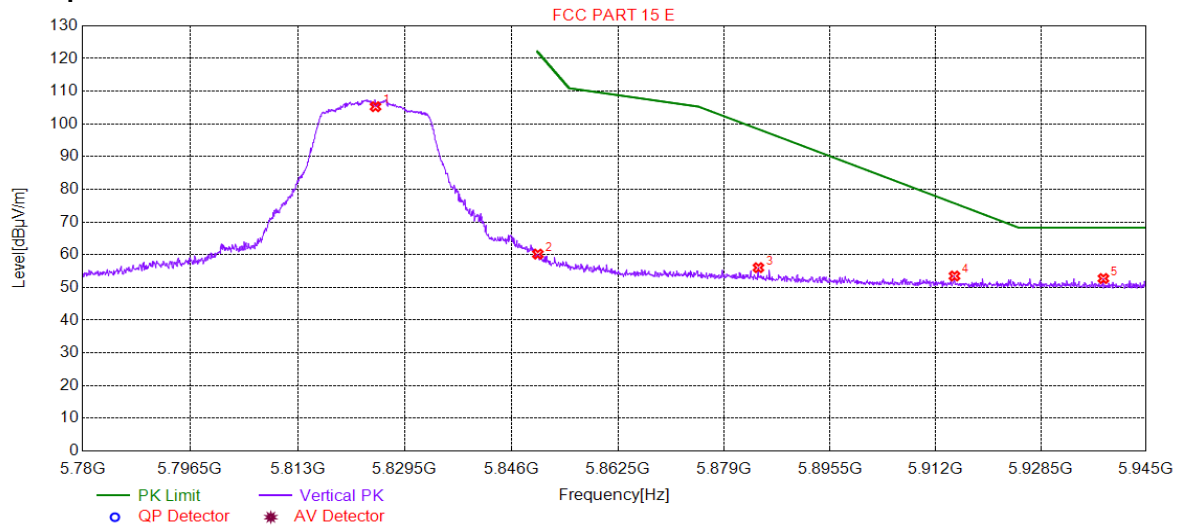


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4.10.1.72 802.11AC20_Channel 165 MIMO

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	105.27	18.80	0.00	-105.27	281	344	Vertical
2	5850.07	60.21	18.78	122.12	61.91	239	344	Vertical
3	5884.33	56.06	18.77	98.39	42.33	209	344	Vertical
4	5914.95	53.51	19.15	75.73	22.22	124	316	Vertical
5	5938.31	52.74	18.88	68.30	15.56	228	70	Vertical

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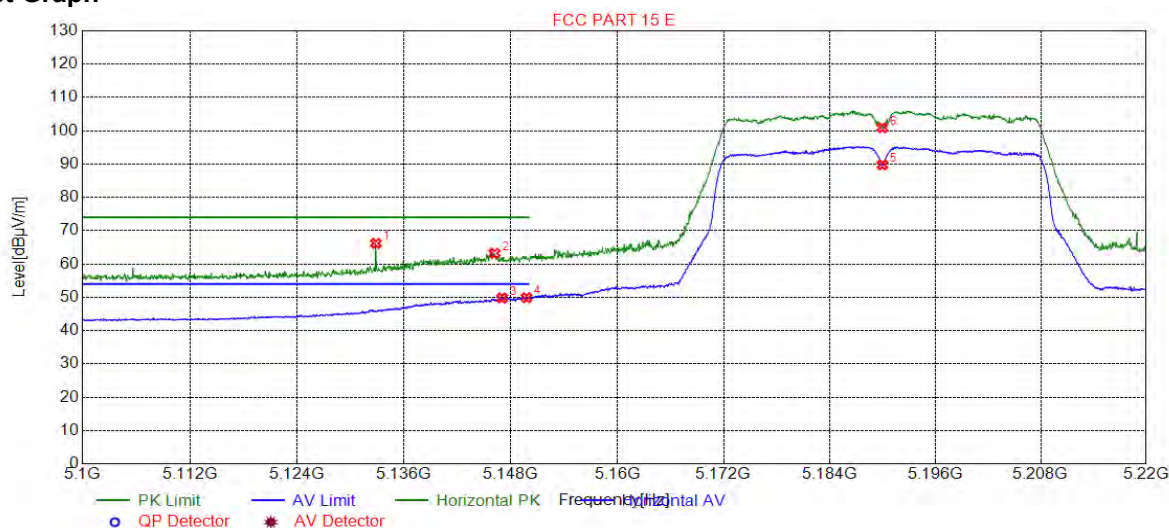


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4.10.1.73 802.11AC40_Channel 38 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5132.83	66.22	19.38	74.00	7.78	312	36	Horizontal
2	5146.16	63.23	19.32	74.00	10.77	161	15	Horizontal
3	5147.00	49.80	19.32	54.00	4.20	147	64	Horizontal
4	5149.76	49.90	19.33	54.00	4.10	268	25	Horizontal
5	5190.00	89.74	19.00	0.00	-89.74	119	27	Horizontal
6	5190.00	100.93	19.00	0.00	-100.93	169	30	Horizontal

Final Data List

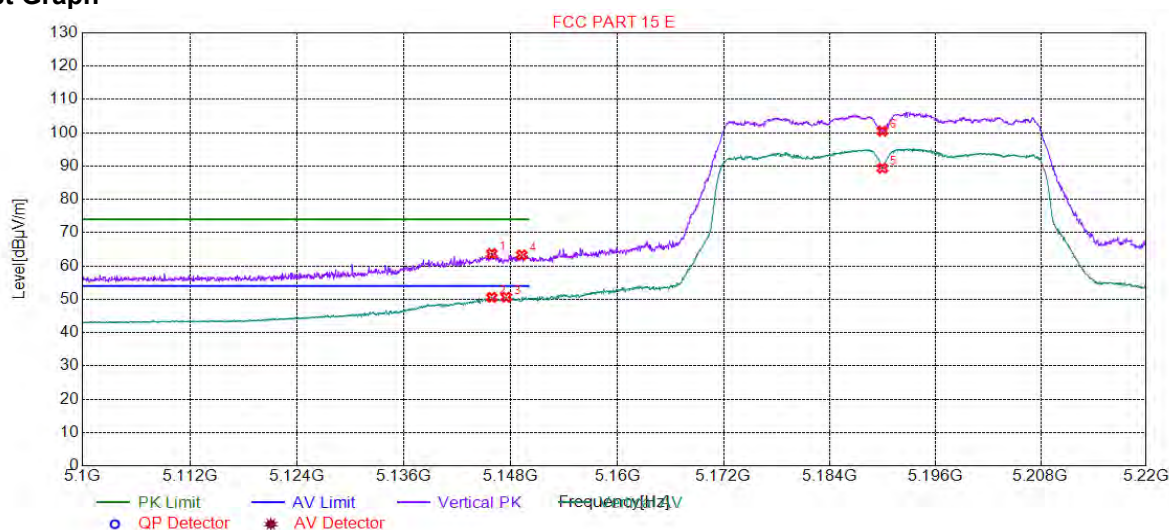
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4.10.1.74 802.11AC40_Channel 38 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5145.86	63.73	19.32	74.00	10.27	173	35	Vertical
2	5145.86	50.60	19.32	54.00	3.40	225	35	Vertical
3	5147.48	50.67	19.33	54.00	3.33	278	35	Vertical
4	5149.22	63.32	19.33	74.00	10.68	277	16	Vertical
5	5190.00	89.36	19.00	0.00	-89.36	190	9	Vertical
6	5190.00	100.52	19.00	0.00	-100.52	231	20	Vertical

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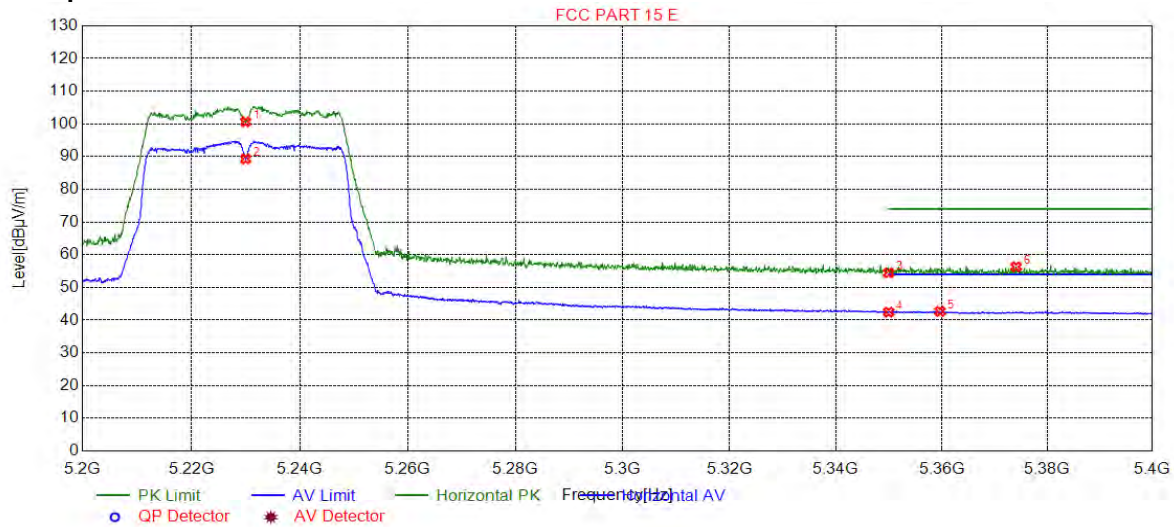


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4.10.1.75 802.11AC40_Channel 46 MIMO

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	100.64	18.94	0.00	-100.64	381	44	Horizontal
2	5230.00	89.33	18.94	0.00	-89.33	274	34	Horizontal
3	5350.00	54.45	18.54	74.00	19.55	159	16	Horizontal
4	5350.00	42.46	18.54	54.00	11.54	149	39	Horizontal
5	5359.67	42.71	18.59	54.00	11.29	226	67	Horizontal
6	5374.08	56.33	18.53	74.00	17.67	394	194	Horizontal

Final Data List

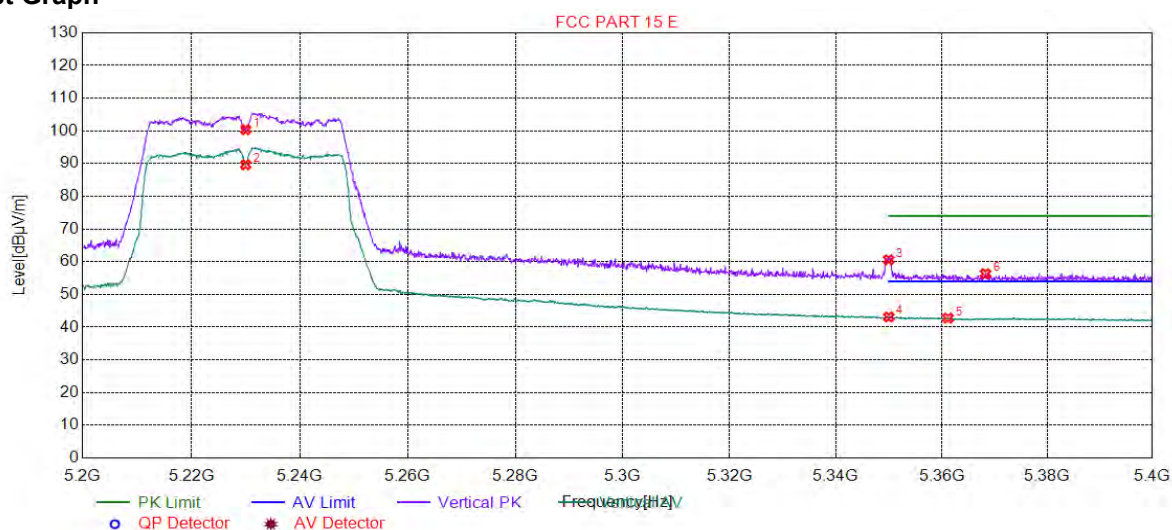


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4.10.1.76 802.11AC40_Channel 46 MIMO

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	100.40	18.94	0.00	-100.40	265	321	Vertical
2	5230.00	89.67	18.94	0.00	-89.67	150	321	Vertical
3	5350.00	60.59	18.54	74.00	13.41	322	1	Vertical
4	5350.00	43.13	18.54	54.00	10.87	230	344	Vertical
5	5361.18	42.79	18.56	54.00	11.21	222	335	Vertical
6	5368.28	56.37	18.45	74.00	17.63	353	31	Vertical

Final Data List

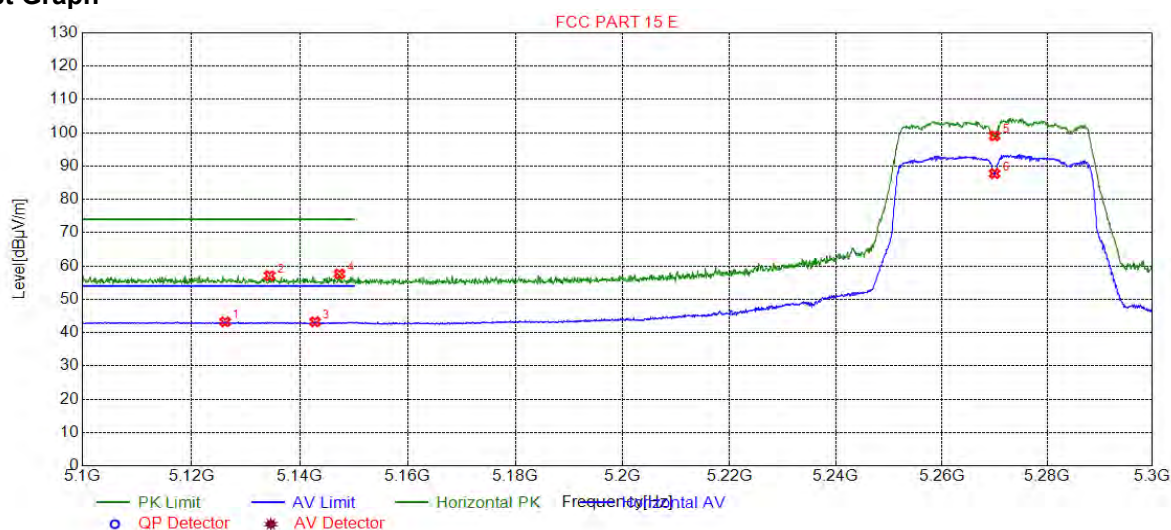


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4.10.1.77 802.11AC40_Channel 54 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5126.21	43.24	19.34	54.00	10.76	292	277	Horizontal
2	5134.41	57.11	19.40	74.00	16.89	103	44	Horizontal
3	5142.82	43.25	19.33	54.00	10.75	395	356	Horizontal
4	5147.32	57.62	19.33	74.00	16.38	121	198	Horizontal
5	5270.00	99.05	18.63	0.00	-99.05	253	16	Horizontal
6	5270.00	87.75	18.63	0.00	-87.75	390	16	Horizontal

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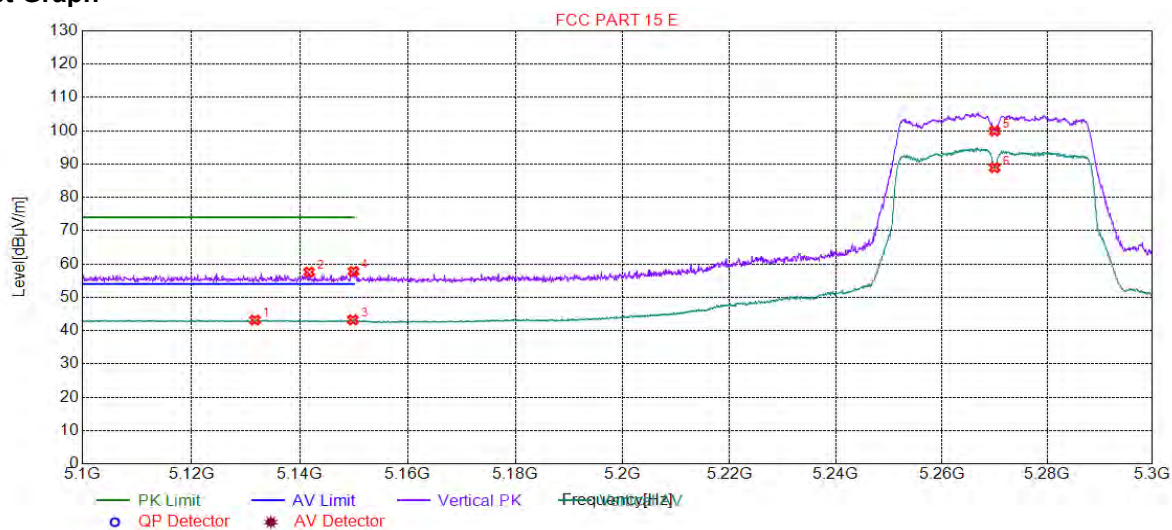


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4.10.1.78 802.11AC40_Channel 54 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5131.71	43.20	19.37	54.00	10.80	196	344	Vertical
2	5141.72	57.59	19.33	74.00	16.41	177	97	Vertical
3	5149.82	43.25	19.33	54.00	10.75	370	293	Vertical
4	5149.92	57.78	19.33	74.00	16.22	239	312	Vertical
5	5270.00	99.94	18.63	0.00	-99.94	390	344	Vertical
6	5270.00	88.91	18.63	0.00	-88.91	141	344	Vertical

Final Data List

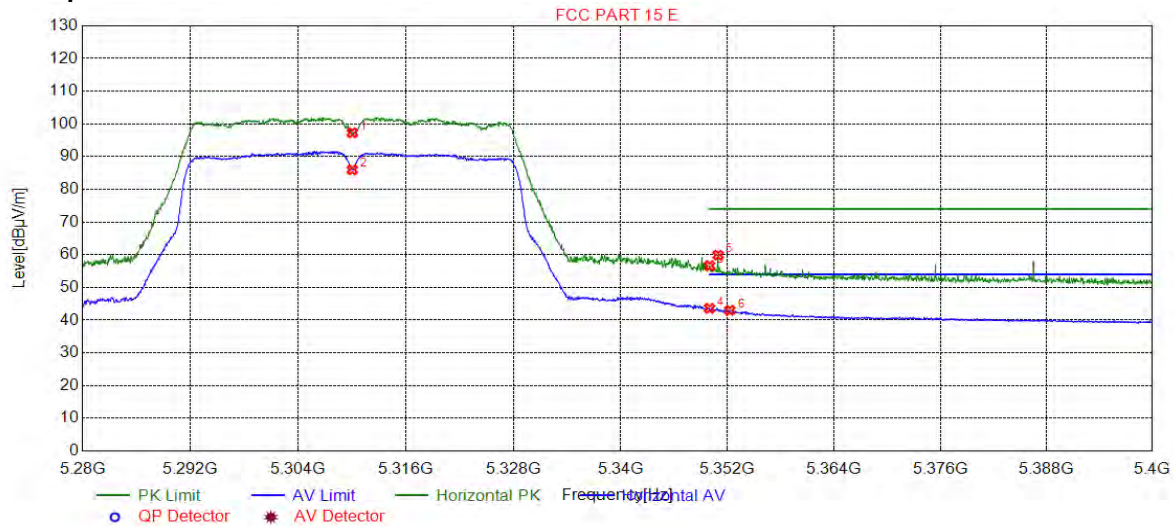


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4.10.1.79 802.11AC40_Channel 62 MIMO P=12

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	97.30	18.57	0.00	-97.30	388	14	Horizontal
2	5310.00	85.96	18.57	0.00	-85.96	286	14	Horizontal
3	5350.00	56.64	18.54	74.00	17.36	162	44	Horizontal
4	5350.00	43.61	18.54	54.00	10.39	186	70	Horizontal
5	5350.95	59.90	18.54	74.00	14.10	399	197	Horizontal
6	5352.27	43.02	18.54	54.00	10.98	294	70	Horizontal

Final Data List

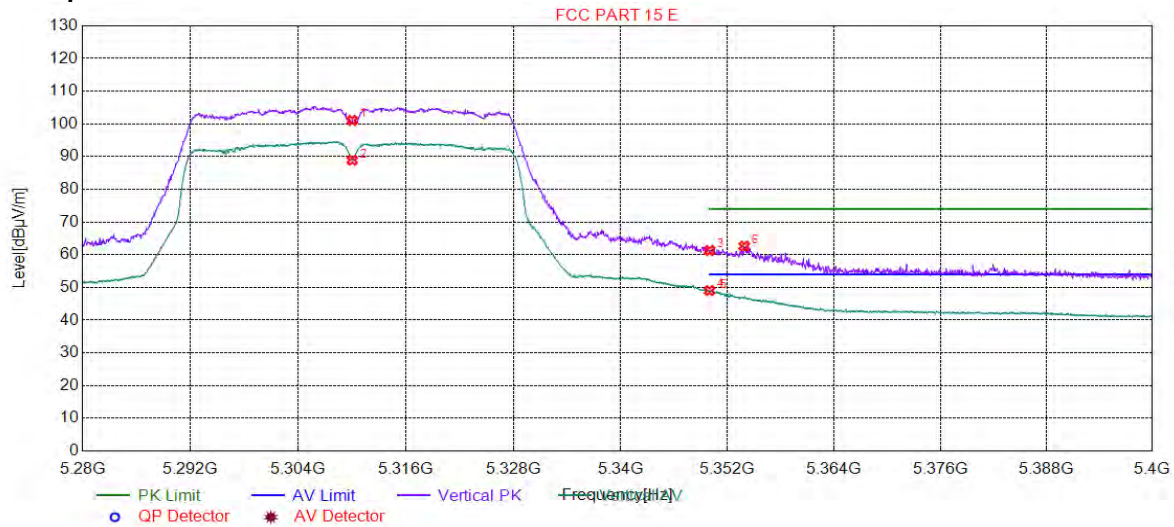


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4.10.1.80 802.11AC40_Channel 62 MIMO P=12

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	101.10	18.57	0.00	-101.10	131	36	Vertical
2	5310.00	88.89	18.57	0.00	-88.89	242	36	Vertical
3	5350.00	61.30	18.54	74.00	12.70	299	14	Vertical
4	5350.00	49.07	18.54	54.00	4.93	344	14	Vertical
5	5350.29	49.00	18.54	54.00	5.00	357	353	Vertical
6	5353.89	62.64	18.55	74.00	11.36	113	360	Vertical

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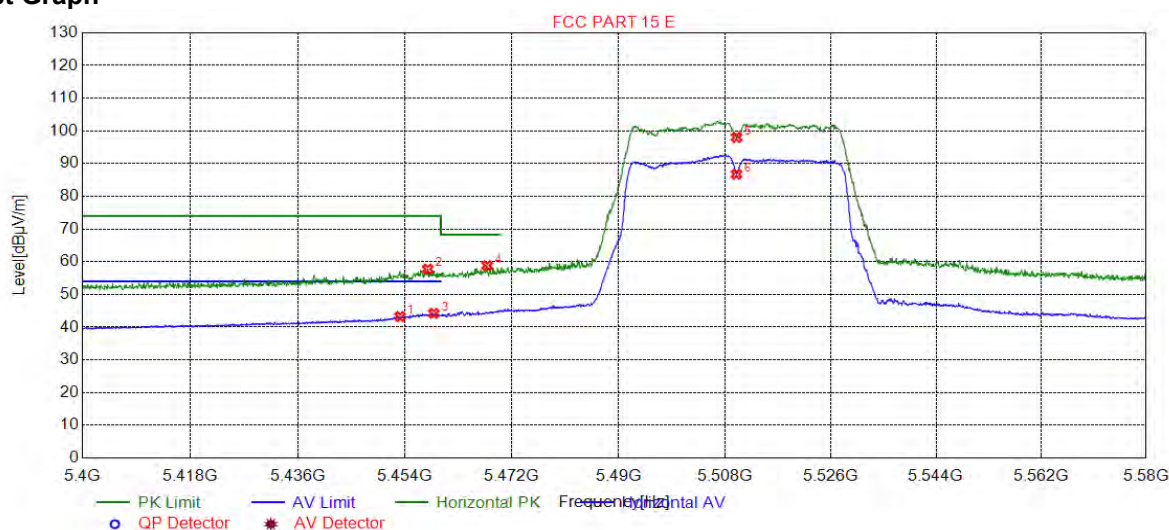
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4.10.1.81 802.11AC40_Channel 102 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5453.12	43.27	18.07	54.00	10.73	322	74	Horizontal
2	5457.80	57.76	18.10	74.00	16.24	278	70	Horizontal
3	5458.79	44.24	18.11	54.00	9.76	176	74	Horizontal
4	5467.80	58.84	18.20	68.30	9.46	187	51	Horizontal
5	5510.00	98.03	18.08	0.00	-98.03	274	62	Horizontal
6	5510.00	86.80	18.08	0.00	-86.80	162	77	Horizontal

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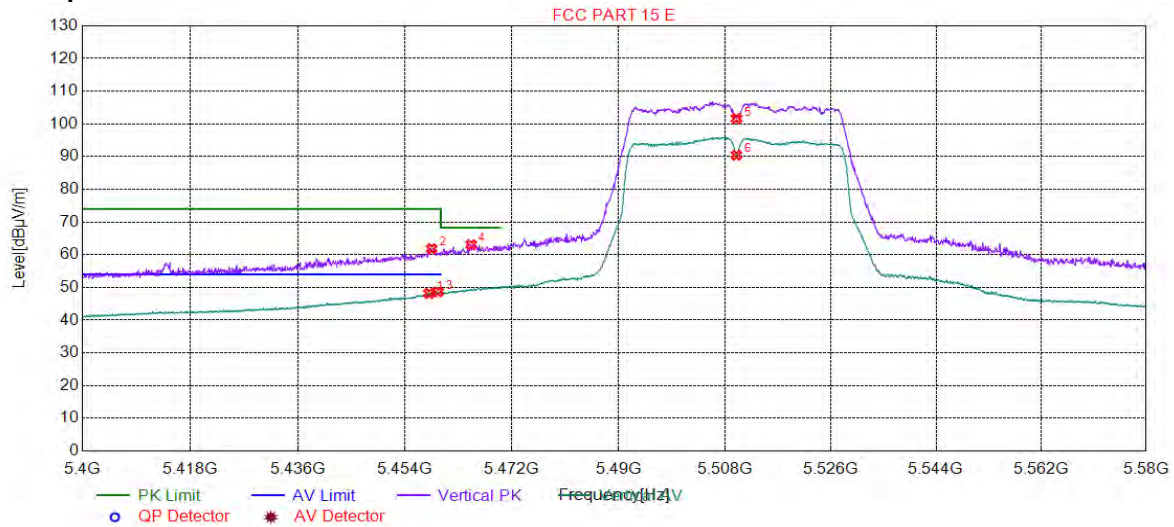


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4.10.1.82 802.11AC40_Channel 102 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5457.98	48.20	18.10	54.00	5.80	339	14	Vertical
2	5458.43	61.86	18.11	74.00	12.14	318	14	Vertical
3	5459.51	48.67	18.12	54.00	5.33	355	21	Vertical
4	5465.10	63.06	18.21	68.30	5.24	288	29	Vertical
5	5510.00	101.67	18.08	0.00	-101.67	119	17	Vertical
6	5510.00	90.45	18.08	0.00	-90.45	340	21	Vertical

Final Data List

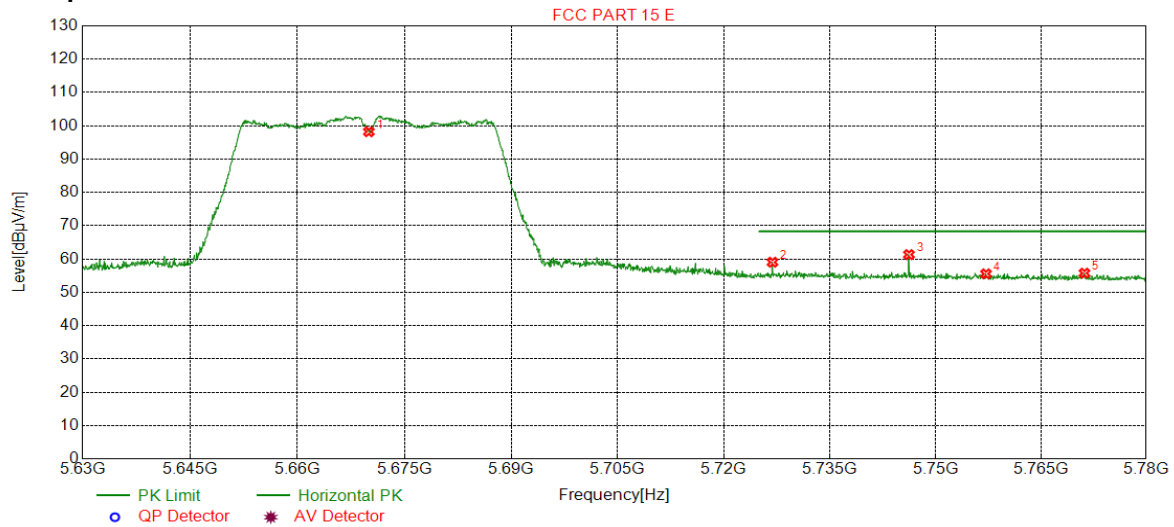


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4.10.1.83 802.11AC40_Channel 134 MIMO

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	98.21	18.24	0.00	-98.21	143	62	Horizontal
2	5726.87	59.05	18.39	68.30	9.25	223	318	Horizontal
3	5746.23	61.33	18.43	68.30	6.97	303	19	Horizontal
4	5757.18	55.56	18.37	68.30	12.74	290	45	Horizontal
5	5771.22	55.77	18.40	68.30	12.53	135	47	Horizontal

Final Data List



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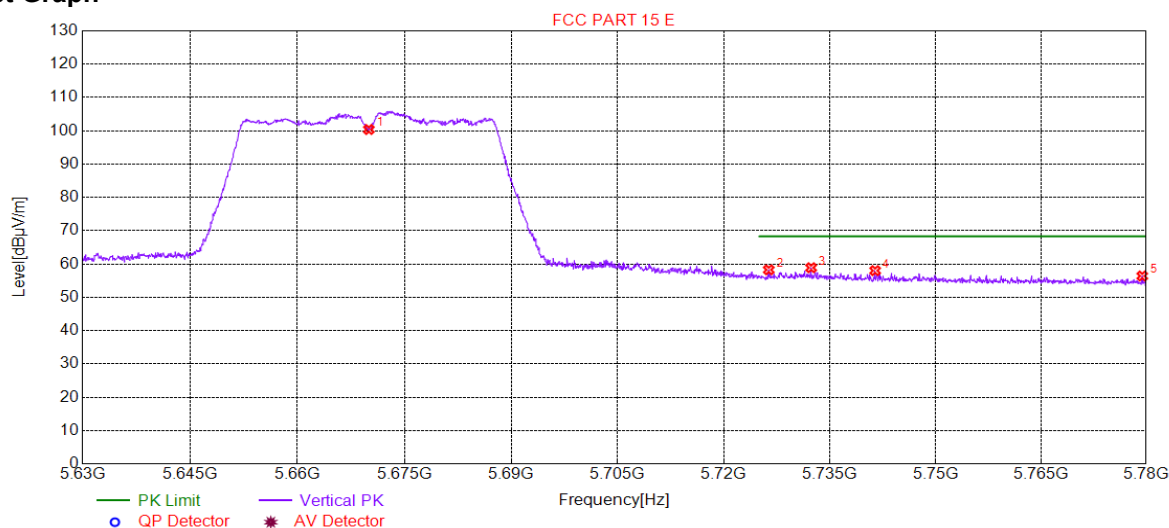
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4.10.1.84 802.11AC40_Channel 134 MIMO

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	100.38	18.24	0.00	-100.38	221	358	Vertical
2	5726.34	58.27	18.37	68.30	10.03	246	350	Vertical
3	5732.35	58.89	18.46	68.30	9.41	373	39	Vertical
4	5741.43	58.02	18.33	68.30	10.28	386	8	Vertical
5	5779.47	56.41	18.34	68.30	11.89	236	106	Vertical

Final Data List

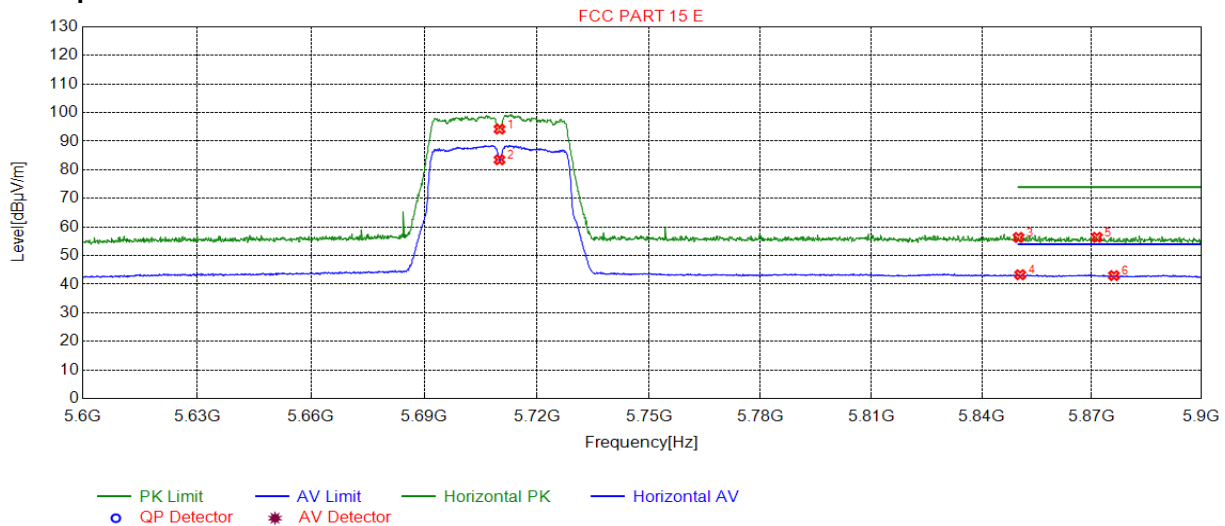


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4.10.1.85 802.11AC40_Channel 142 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5710.00	94.25	18.52	0.00	-94.25	327	63	Horizontal
2	5710.00	83.52	18.52	0.00	-83.52	224	58	Horizontal
3	5850.02	56.36	18.78	74.00	17.64	323	258	Horizontal
4	5850.47	43.32	18.77	54.00	10.68	346	166	Horizontal
5	5871.48	56.43	18.86	74.00	17.57	209	217	Horizontal
6	5876.13	43.02	18.70	54.00	10.98	258	49	Horizontal

Final Data List



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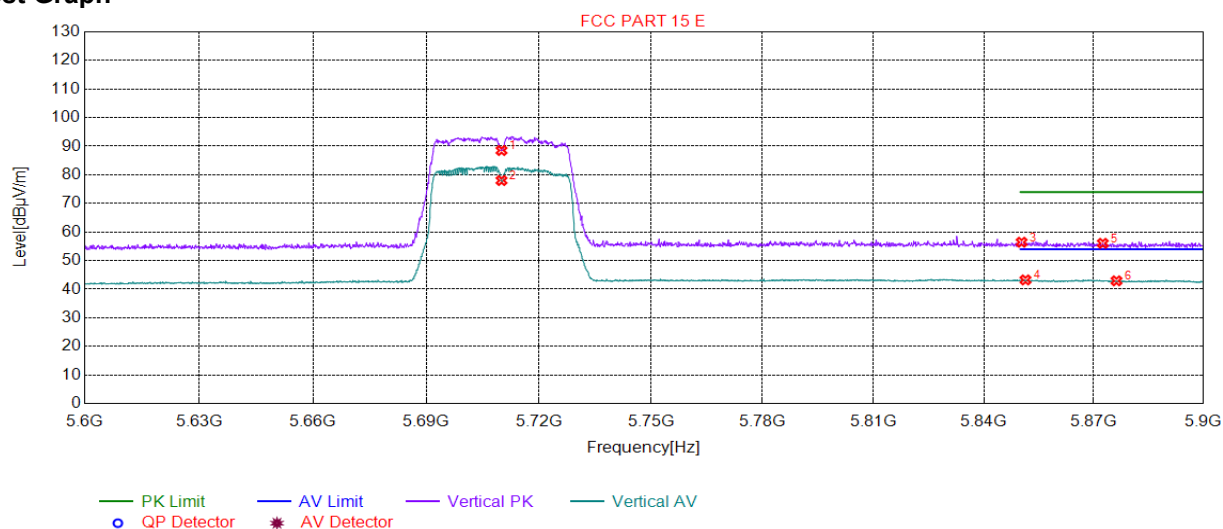
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4.10.1.86 802.11AC40_Channel 142 MIMO

Test Graph



Suspected List

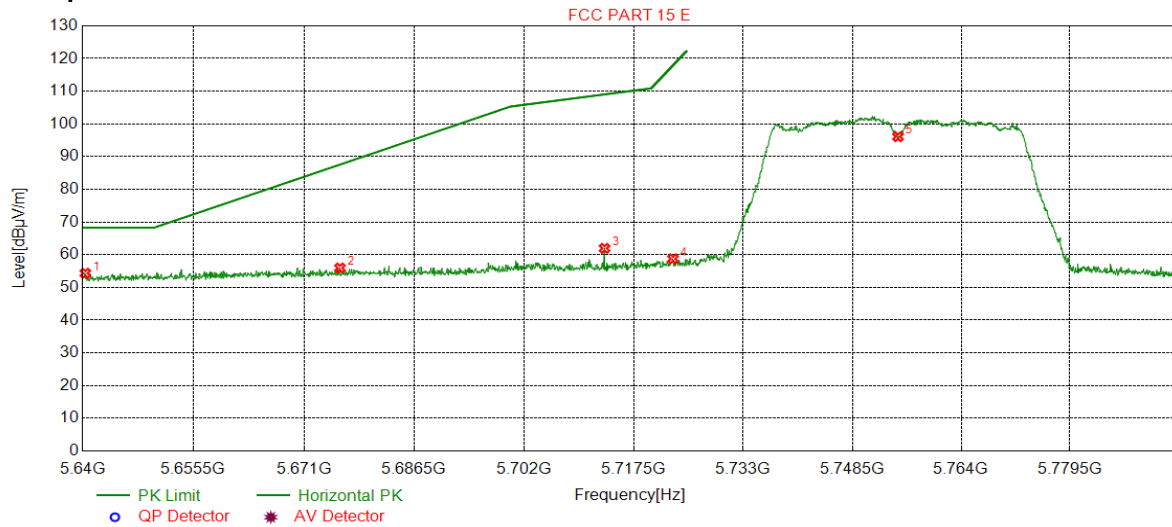
Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5710.00	88.51	18.52	0.00	-88.51	179	224	Vertical
2	5710.00	78.01	18.52	0.00	-78.01	134	224	Vertical
3	5850.32	56.44	18.77	74.00	17.56	240	246	Vertical
4	5851.37	43.25	18.74	54.00	10.75	210	28	Vertical
5	5872.53	56.06	18.82	74.00	17.94	252	203	Vertical
6	5876.28	42.94	18.69	54.00	11.06	127	120	Vertical

Final Data List



4.10.1.87 802.11AC40_Channel 151 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5640.38	54.36	18.09	68.30	13.94	132	26	Horizontal
2	5676.05	55.96	18.28	87.58	31.62	327	36	Horizontal
3	5713.35	61.97	18.51	109.04	47.07	203	255	Horizontal
4	5723.04	58.76	18.33	117.84	59.08	140	33	Horizontal
5	5755.00	96.12	18.39	0.00	-96.12	369	58	Horizontal

Final Data List



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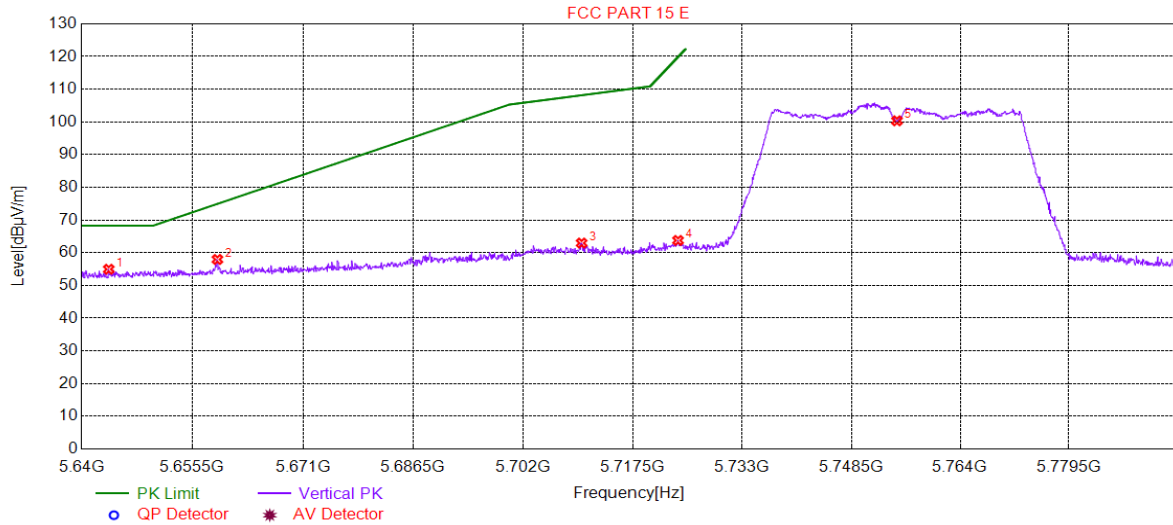
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4.10.1.88 802.11AC40_Channel 151 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5643.79	54.97	18.02	68.30	13.33	206	344	Vertical
2	5658.99	57.96	18.08	74.96	17.00	324	344	Vertical
3	5710.25	62.97	18.52	108.17	45.20	119	344	Vertical
4	5723.89	63.78	18.33	119.79	56.01	206	344	Vertical
5	5755.00	100.35	18.39	0.00	-100.35	171	344	Vertical

Final Data List



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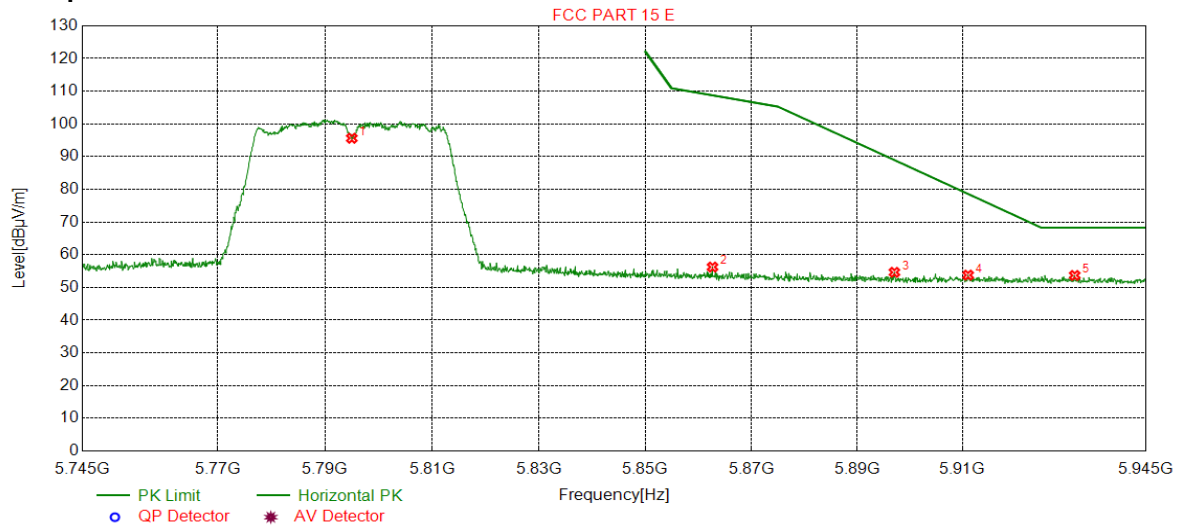
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4.10.1.89 802.11AC40_Channel 159 MIMO

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	95.63	18.58	0.00	-95.63	201	58	Horizontal
2	5862.65	56.25	18.71	108.76	52.51	208	37	Horizontal
3	5897.07	54.64	18.80	88.96	34.32	151	16	Horizontal
4	5911.08	53.78	19.25	78.60	24.82	265	337	Horizontal
5	5931.39	53.68	19.14	68.30	14.62	113	139	Horizontal

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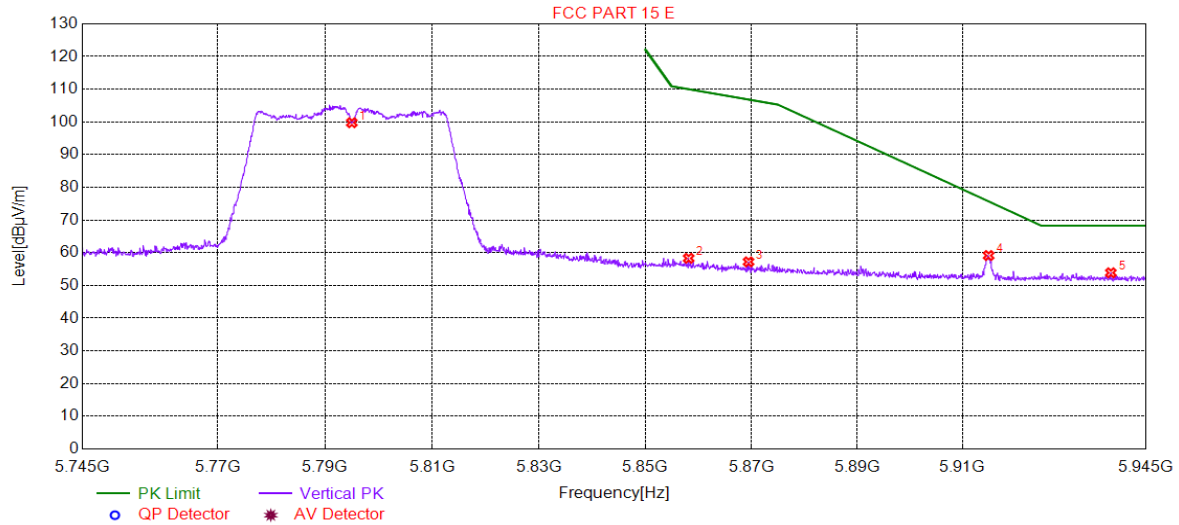


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4.10.1.90 802.11AC40_Channel 159 MIMO

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	99.77	18.58	0.00	-99.77	163	0	Vertical
2	5858.15	58.32	18.61	110.02	51.70	189	21	Vertical
3	5869.46	57.24	18.91	106.85	49.61	374	2	Vertical
4	5914.98	59.16	19.14	75.71	16.55	245	18	Vertical
5	5938.29	53.88	18.88	68.30	14.42	312	281	Vertical

Final Data List



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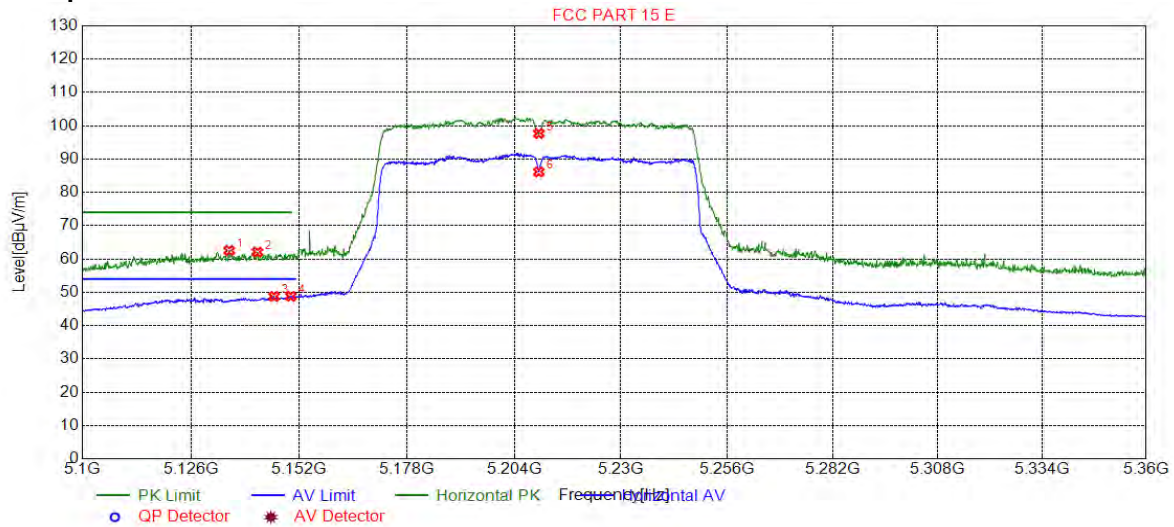
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4.10.1.91 802.11AC80_Channel 42 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5135.11	62.57	19.41	74.00	11.43	277	39	Horizontal
2	5141.88	62.09	19.33	74.00	11.91	140	9	Horizontal
3	5145.91	48.77	19.32	54.00	5.23	291	9	Horizontal
4	5149.94	48.82	19.33	54.00	5.18	332	32	Horizontal
5	5210.00	97.68	18.93	0.00	-97.68	311	16	Horizontal
6	5210.00	86.15	18.93	0.00	-86.15	295	28	Horizontal

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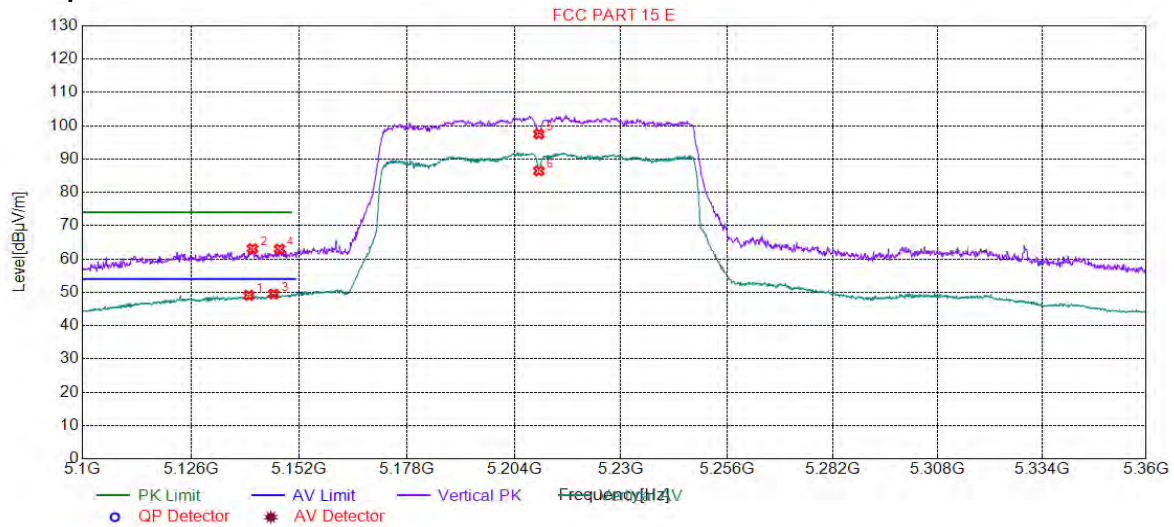


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4.10.1.92 802.11AC80_Channel 42 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5139.79	49.13	19.34	54.00	4.87	145	25	Vertical
2	5140.71	63.10	19.34	74.00	10.90	303	356	Vertical
3	5145.78	49.50	19.32	54.00	4.50	165	346	Vertical
4	5147.21	63.02	19.32	74.00	10.98	144	36	Vertical
5	5210.00	97.53	18.93	0.00	-97.53	357	346	Vertical
6	5210.00	86.45	18.93	0.00	-86.45	224	14	Vertical

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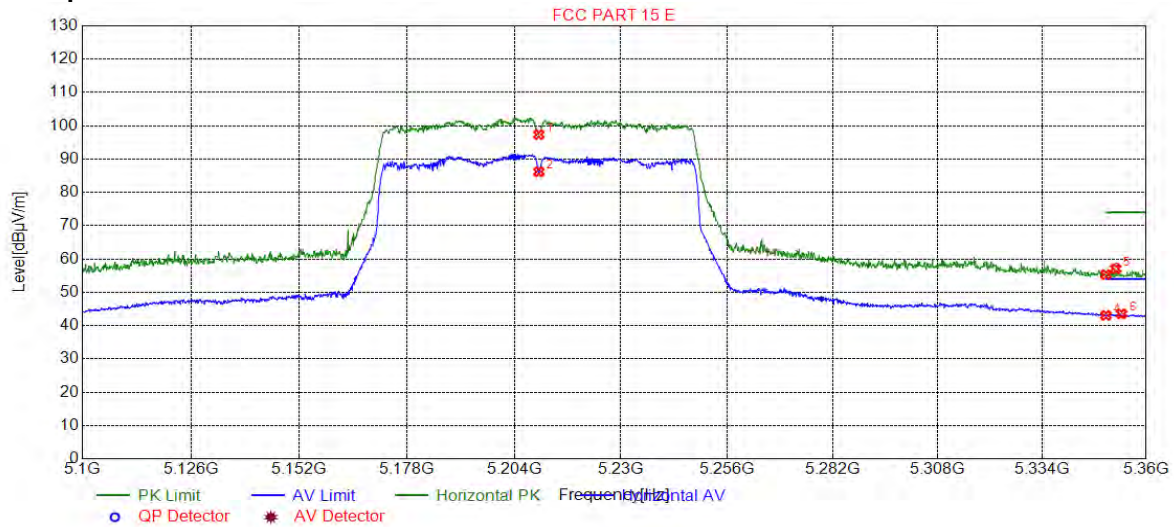
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4.10.1.93 802.11AC80_Channel 42 MIMO

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	97.36	18.93	0.00	-97.36	156	44	Horizontal
2	5210.00	86.20	18.93	0.00	-86.20	264	34	Horizontal
3	5350.00	55.32	18.54	74.00	18.68	140	44	Horizontal
4	5350.00	43.09	18.54	54.00	10.91	187	29	Horizontal
5	5352.45	57.07	18.54	74.00	16.93	292	29	Horizontal
6	5353.88	43.55	18.55	54.00	10.45	344	48	Horizontal

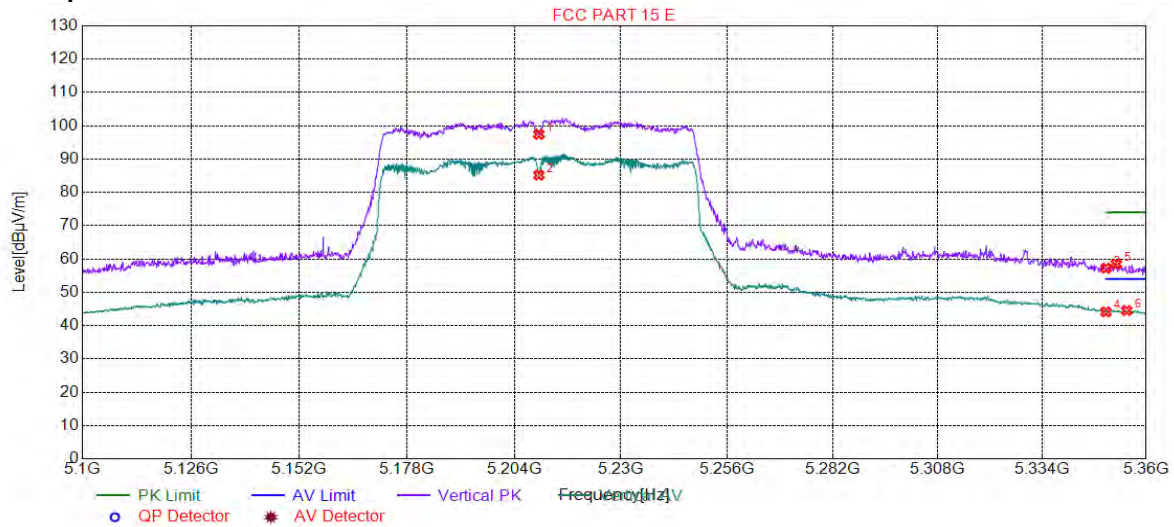
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4.10.1.94 802.11AC80_Channel 42 MIMO

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	97.44	18.93	0.00	-97.44	188	326	Vertical
2	5210.00	85.17	18.93	0.00	-85.17	340	316	Vertical
3	5350.00	57.26	18.54	74.00	16.74	217	321	Vertical
4	5350.00	44.15	18.54	54.00	9.85	349	326	Vertical
5	5352.58	58.56	18.54	74.00	15.44	239	312	Vertical
6	5355.18	44.55	18.55	54.00	9.45	142	330	Vertical

Final Data List

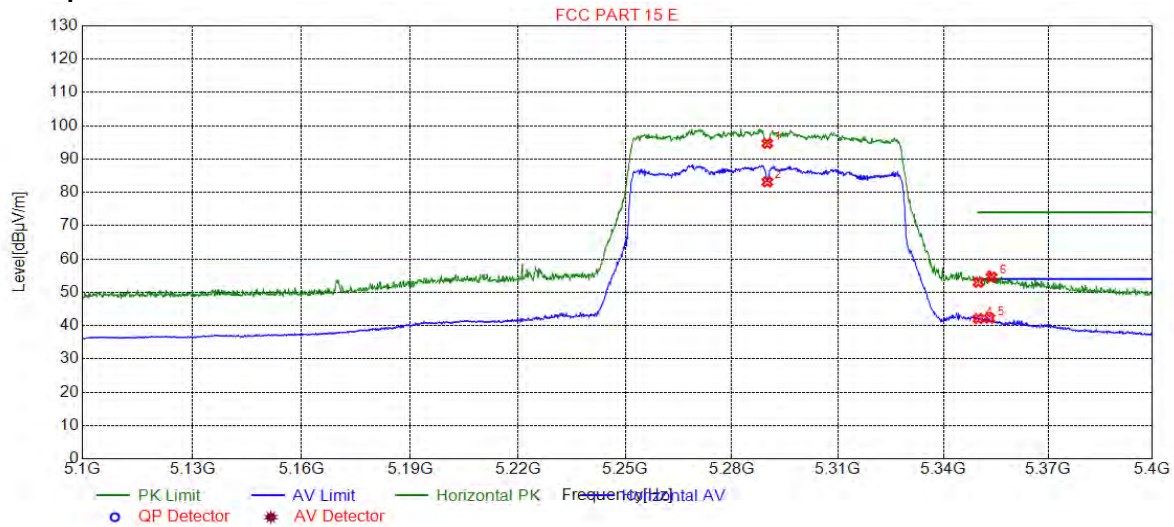


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4.10.1.95 802.11AC80_Channel 58 MIMO P=11

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	94.71	18.48	0.00	-94.71	156	65	Horizontal
2	5290.00	83.14	18.48	0.00	-83.14	261	65	Horizontal
3	5350.00	52.99	18.54	74.00	21.01	294	61	Horizontal
4	5350.00	42.12	18.54	54.00	11.88	137	61	Horizontal
5	5353.17	42.23	18.55	54.00	11.77	371	72	Horizontal
6	5353.77	54.57	18.55	74.00	19.43	216	61	Horizontal

Final Data List

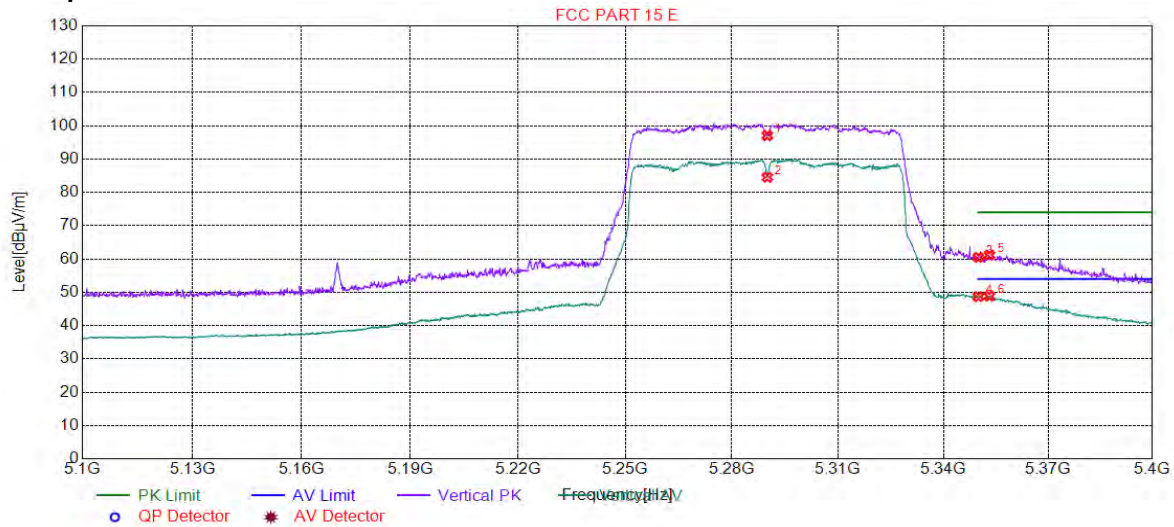


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4.10.1.96 802.11AC80_Channel 58 MIMO P=11

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	97.06	18.48	0.00	-97.06	111	345	Vertical
2	5290.00	84.53	18.48	0.00	-84.53	290	345	Vertical
3	5350.00	60.52	18.54	74.00	13.48	354	353	Vertical
4	5350.00	48.71	18.54	54.00	5.29	178	357	Vertical
5	5353.17	61.21	18.55	74.00	12.79	271	14	Vertical
6	5353.17	48.87	18.55	54.00	5.13	222	349	Vertical

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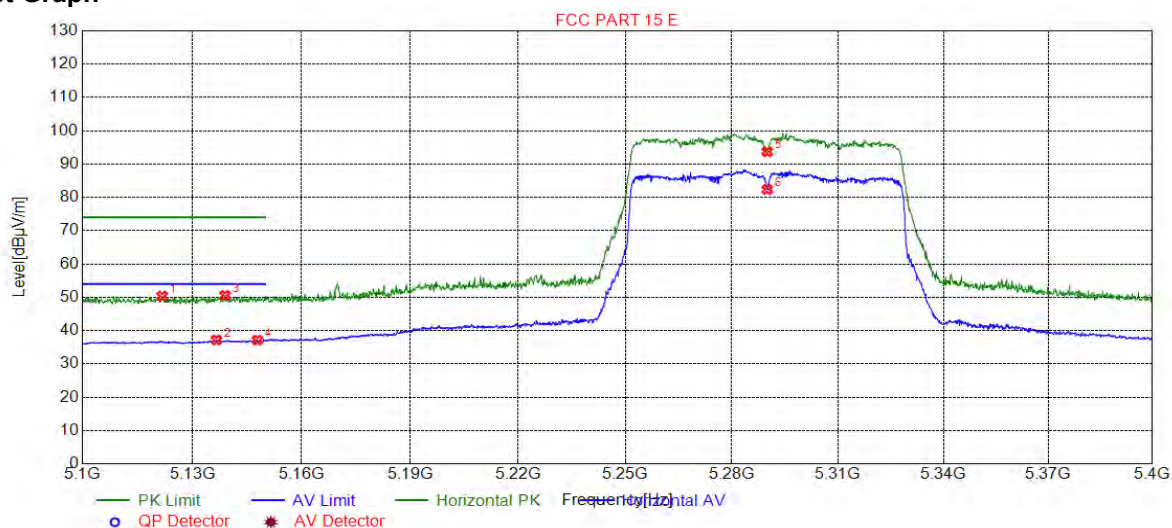
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4.10.1.97 802.11AC80_Channel 58 MIMO P=11

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5121.76	50.37	19.32	74.00	23.63	153	80	Horizontal
2	5136.61	37.23	19.39	54.00	16.77	331	25	Horizontal
3	5139.01	50.59	19.36	74.00	23.41	187	90	Horizontal
4	5147.87	37.17	19.33	54.00	16.83	142	16	Horizontal
5	5290.00	93.72	18.48	0.00	-93.72	180	16	Horizontal
6	5290.00	82.39	18.48	0.00	-82.39	324	16	Horizontal

Final Data List

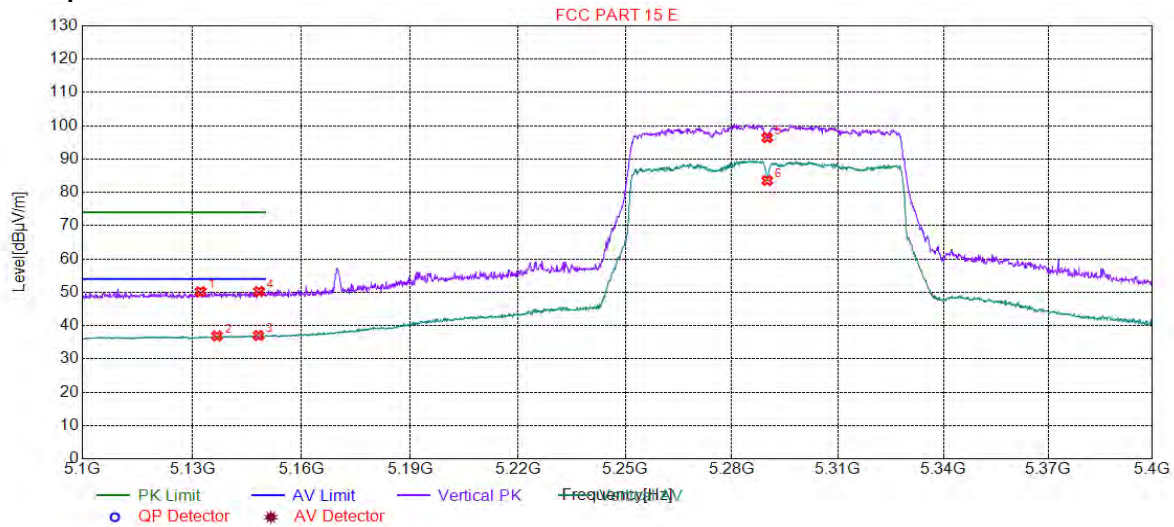
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4.10.1.98 802.11AC80_Channel 58 MIMO P=11

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5132.26	50.20	19.38	74.00	23.80	113	70	Vertical
2	5136.76	36.91	19.39	54.00	17.09	292	13	Vertical
3	5148.17	37.05	19.33	54.00	16.95	262	335	Vertical
4	5148.32	50.27	19.33	74.00	23.73	287	195	Vertical
5	5290.00	96.43	18.48	0.00	-96.43	165	344	Vertical
6	5290.00	83.57	18.48	0.00	-83.57	300	344	Vertical

Final Data List



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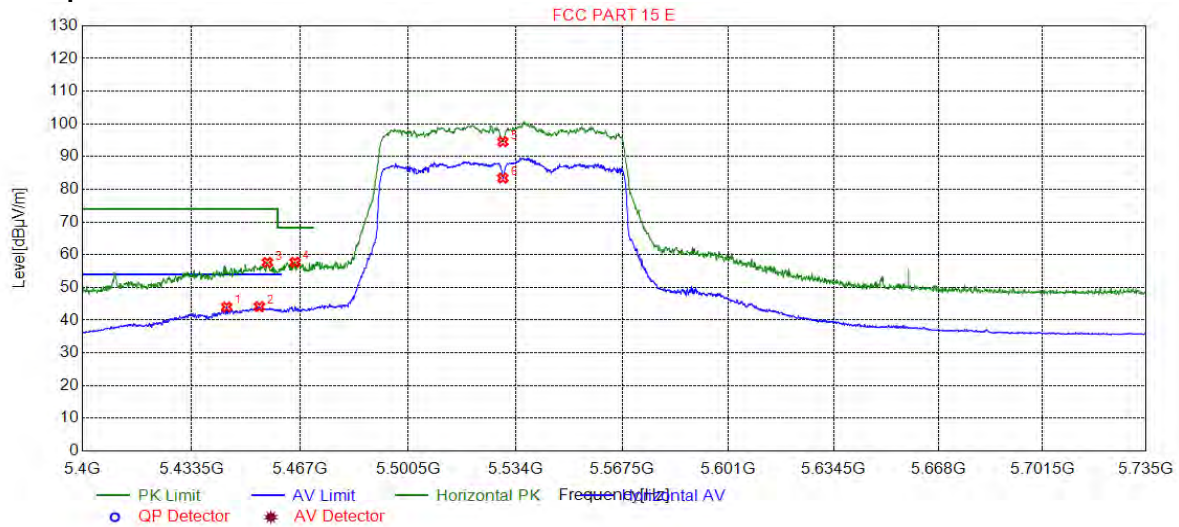
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4.10.1.99 802.11AC80_Channel 106 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5444.24	44.04	18.13	54.00	9.96	332	73	Horizontal
2	5454.29	44.13	18.06	54.00	9.87	164	73	Horizontal
3	5456.81	57.66	18.08	74.00	16.34	367	73	Horizontal
4	5465.35	57.72	18.21	68.30	10.58	241	66	Horizontal
5	5530.00	94.54	18.15	0.00	-94.54	254	21	Horizontal
6	5530.00	83.45	18.15	0.00	-83.45	372	24	Horizontal

Final Data List

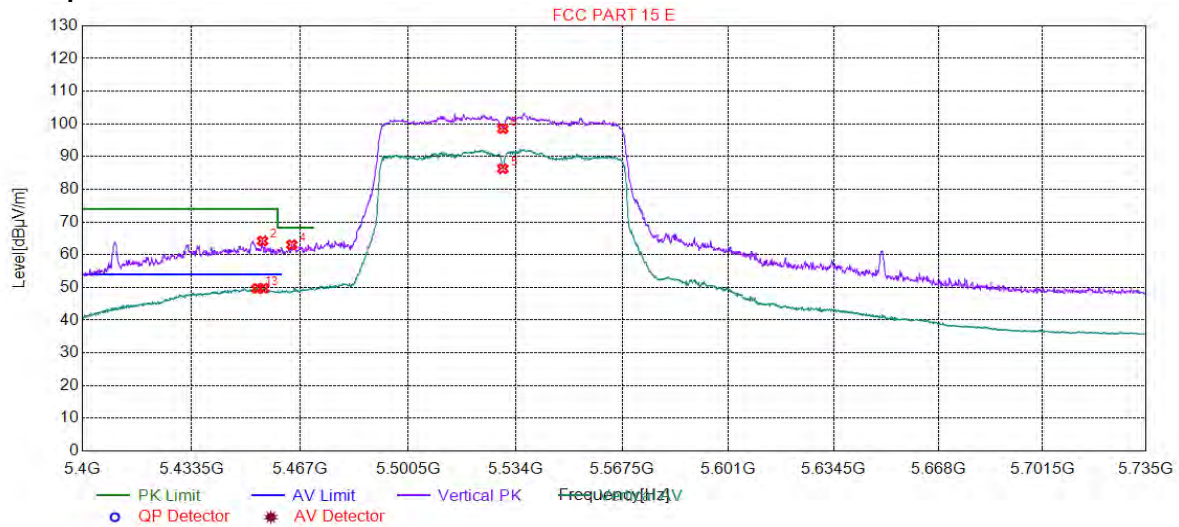


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4.10.1.100 802.11AC80_Channel 106 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5453.62	49.70	18.07	54.00	4.30	115	17	Vertical
2	5455.30	64.22	18.06	74.00	9.78	149	14	Vertical
3	5455.63	49.76	18.07	54.00	4.24	159	14	Vertical
4	5464.35	63.05	18.20	68.30	5.25	255	14	Vertical
5	5530.00	86.32	18.15	0.00	-86.32	251	336	Vertical
6	5530.00	98.56	18.15	0.00	-98.56	311	17	Vertical

Final Data List

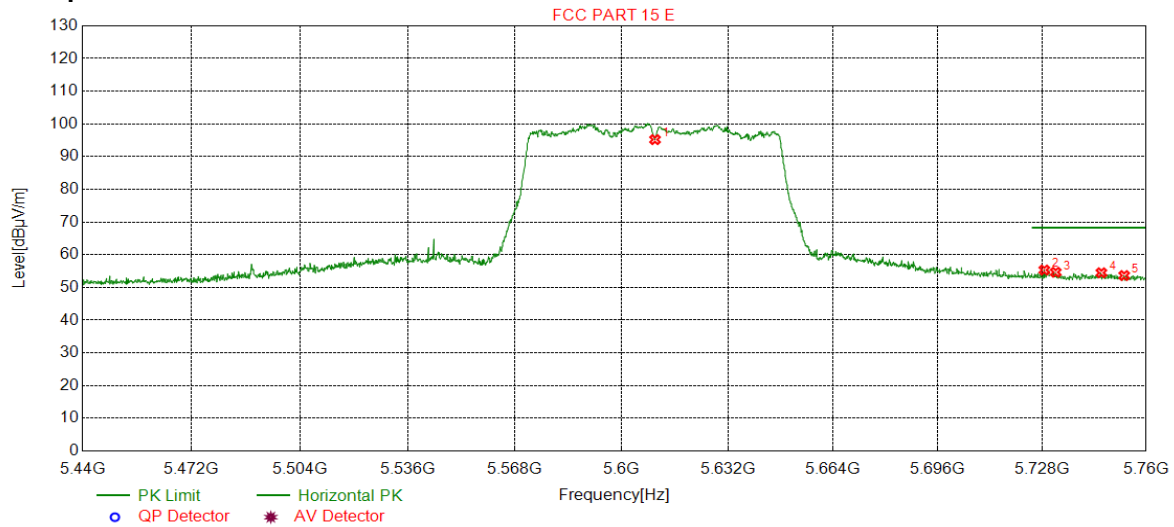


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4.10.1.101 802.11AC80_Channel 122 MIMO

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	95.21	18.09	0.00	-95.21	321	72	Horizontal
2	5728.62	55.34	18.46	68.30	12.96	247	61	Horizontal
3	5732.14	54.65	18.46	68.30	13.65	112	27	Horizontal
4	5746.23	54.49	18.43	68.30	13.81	159	1	Horizontal
5	5753.27	53.65	18.47	68.30	14.65	177	105	Horizontal

Final Data List

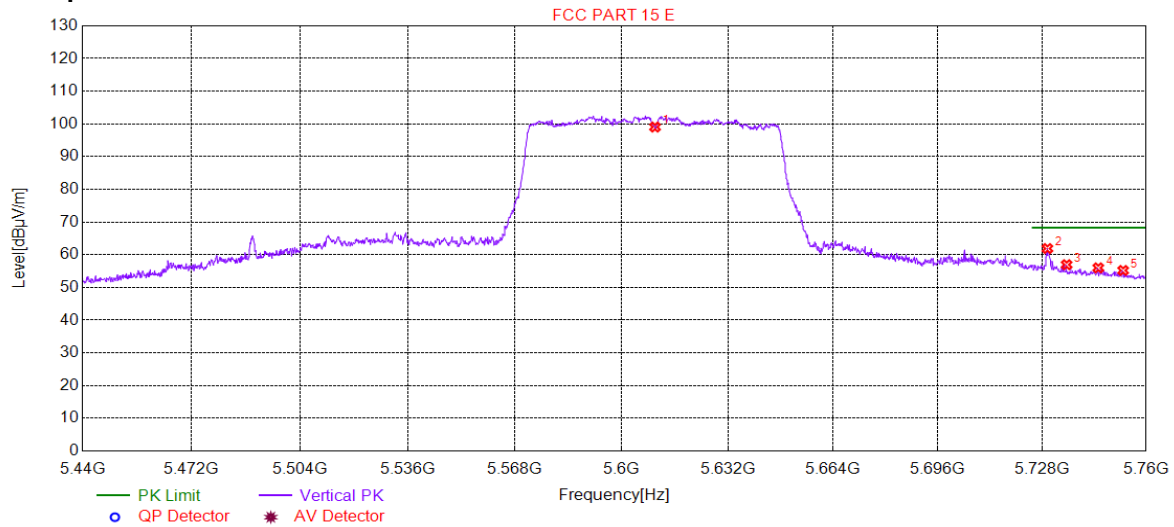


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4.10.1.102 802.11AC80_Channel 122 MIMO

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	99.05	18.09	0.00	-99.05	214	19	Vertical
2	5729.58	61.91	18.49	68.30	6.39	180	41	Vertical
3	5735.50	56.97	18.39	68.30	11.33	163	47	Vertical
4	5745.27	56.00	18.38	68.30	12.30	168	30	Vertical
5	5752.95	55.21	18.48	68.30	13.09	330	360	Vertical

Final Data List

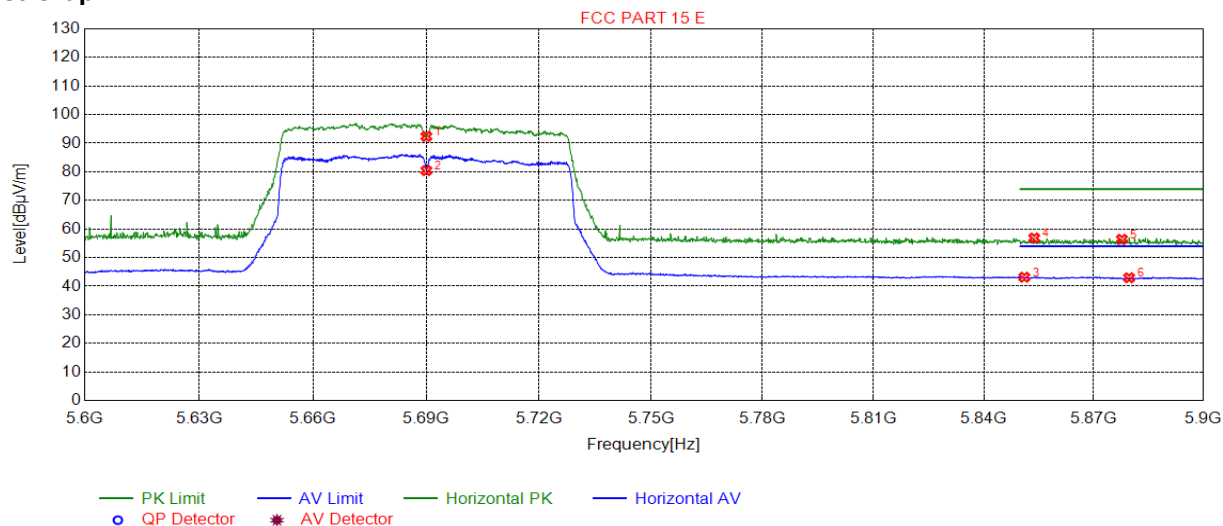


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4.10.1.103 802.11AC80_Channel 138 MIMO

Test Graph



Suspected List

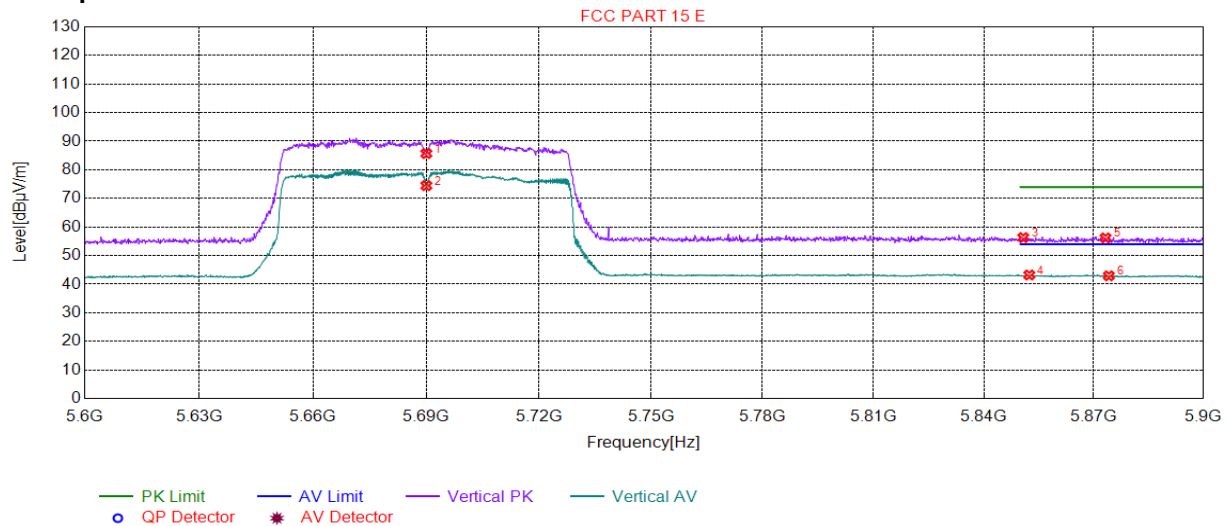
Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5690.00	92.38	18.25	0.00	-92.38	338	60	Horizontal
2	5690.00	80.42	18.25	0.00	-80.42	281	74	Horizontal
3	5851.07	43.16	18.75	54.00	10.84	229	330	Horizontal
4	5853.77	56.86	18.69	74.00	17.14	108	1	Horizontal
5	5877.78	56.44	18.67	74.00	17.56	121	65	Horizontal
6	5879.73	42.96	18.63	54.00	11.04	112	202	Horizontal

Final Data List



4.10.1.104 802.11AC80_Channel 138 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5690.00	85.70	18.25	0.00	-85.70	126	220	Vertical
2	5690.00	74.47	18.25	0.00	-74.47	139	220	Vertical
3	5850.77	56.32	18.76	74.00	17.68	164	264	Vertical
4	5852.42	43.23	18.72	54.00	10.77	376	244	Vertical
5	5873.28	56.20	18.79	74.00	17.80	178	16	Vertical
6	5874.18	42.94	18.75	54.00	11.06	135	39	Vertical

Final Data List



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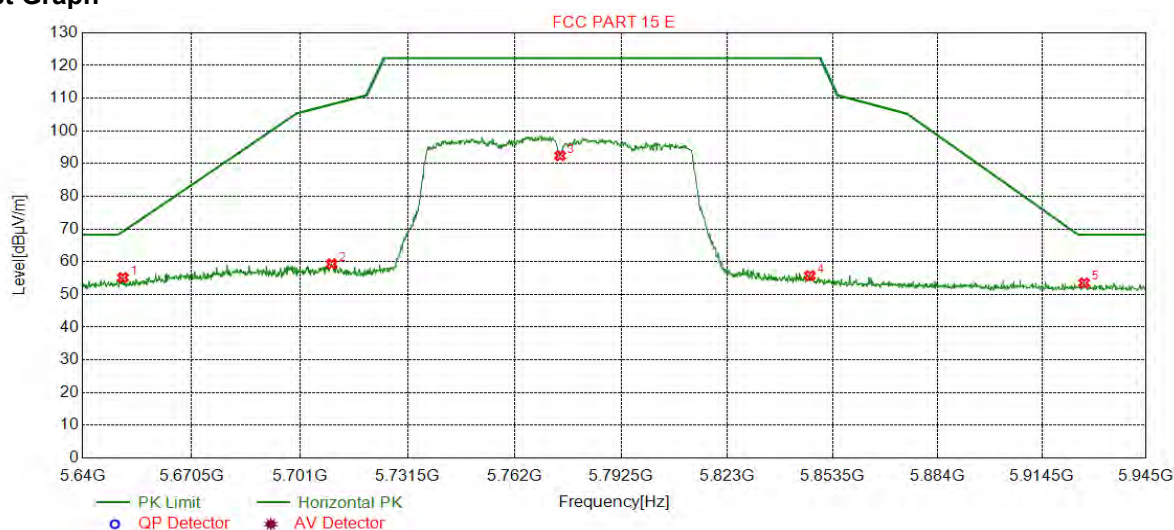
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4.10.1.105 802.11AC80_Channel 155 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5651.29	55.16	17.99	69.26	14.10	352	43	Horizontal
2	5710.03	59.37	18.52	108.11	48.74	130	40	Horizontal
3	5775.00	92.41	18.33	122.30	29.89	393	61	Horizontal
4	5846.89	55.76	18.73	122.30	66.54	218	40	Horizontal
5	5926.84	53.52	19.12	68.30	14.78	105	355	Horizontal

Final Data List

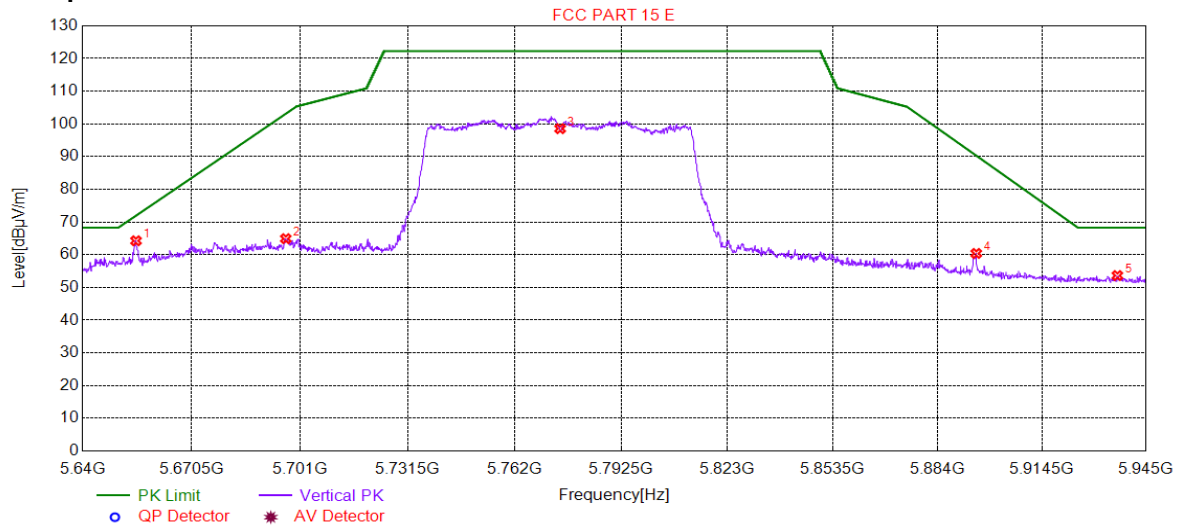


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4.10.1.106 802.11AC80_Channel 155 MIMO

Test Graph



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5654.95	64.28	18.11	71.96	7.68	176	344	Vertical
2	5697.06	64.93	18.27	103.13	38.20	222	344	Vertical
3	5775.00	98.56	18.33	122.30	23.74	273	344	Vertical
4	5895.26	60.41	18.88	90.31	29.90	128	0	Vertical
5	5936.60	53.65	18.97	68.30	14.65	272	163	Vertical

Final Data List

Remark:

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

Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor

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



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4.11 Frequencies Stability

4.11.1 Frequency Error vs. Voltage

Test Conditions	Measured Frequency (MHz)	
	5180	5825
V nom(V)	5180.005125	5825.005032
V max(V)	5180.011135	5825.005664
V min(V)	5180.020177	5825.008942
Max. Deviation Frequency	0.020177	0.008942
Max. Frequency Error (ppm)	3.895221	1.535046

4.11.2 Frequency Error vs. Temperature

Test Conditions	Measured Frequency (MHz)	
	5180	5825
-5	5180.001009	5825.009198
5	5180.008855	5825.018651
15	5180.014560	5825.020652
25	5180.015979	5825.029714
35	5180.023669	5825.033169
45	5180.026898	5825.040575
50	5180.034118	5825.042454
Max. Deviation Frequency	0.034118	0.042454
Max. Frequency Error (ppm)	6.586450	7.288268



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4.12 Dynamic Frequency Selection

4.12.1 DFS Overview

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

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

Table 2: Applicability of DFS requirements during normal operation

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



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4.12.2 DFS Detection Thresholds

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

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP $\geq$ 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
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response. Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.	

4.12.3 Response Requirements

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

4.12.4 Test plots

4.12.4.1 DFS Detection Thresholds

4.12.4.1.1 Test Result

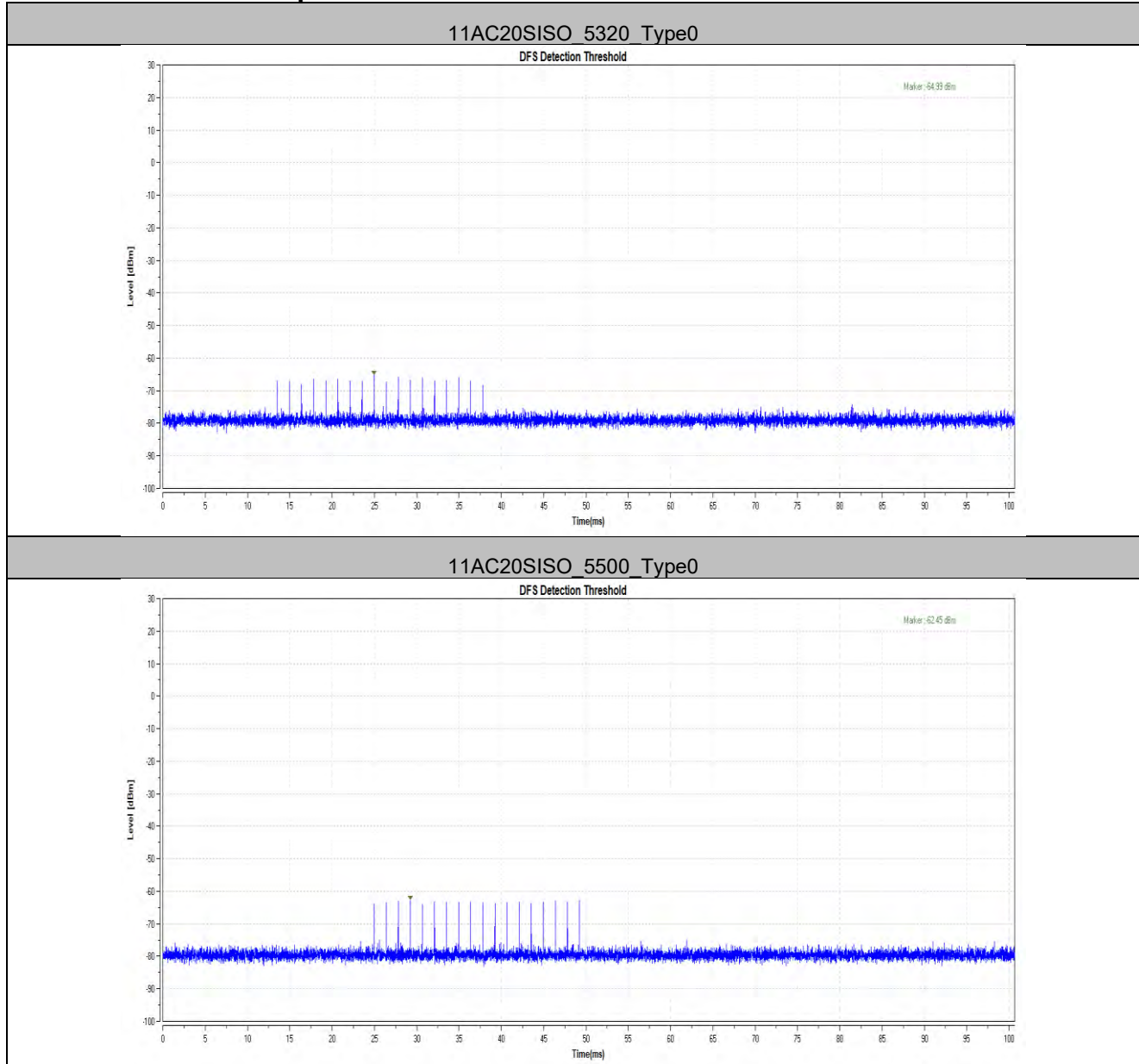
TestMode	Channel	Radar Type	Result	Limit[dbm]	Verdict
11AC20SISO	5320	Type0	-64.99	-62.00	PASS
	5500	Type0	-62.45	-62.00	PASS
11AC80SISO	5290	Type0	-63.37	-62.00	PASS
	5530	Type0	-62.50	-62.00	PASS



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4.12.4.1.2 Test Graphs



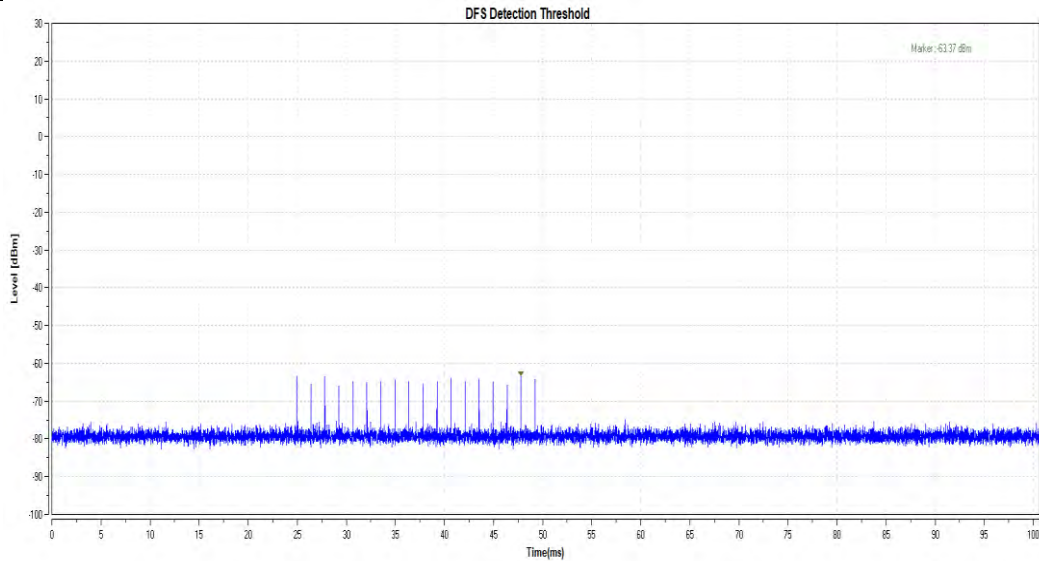
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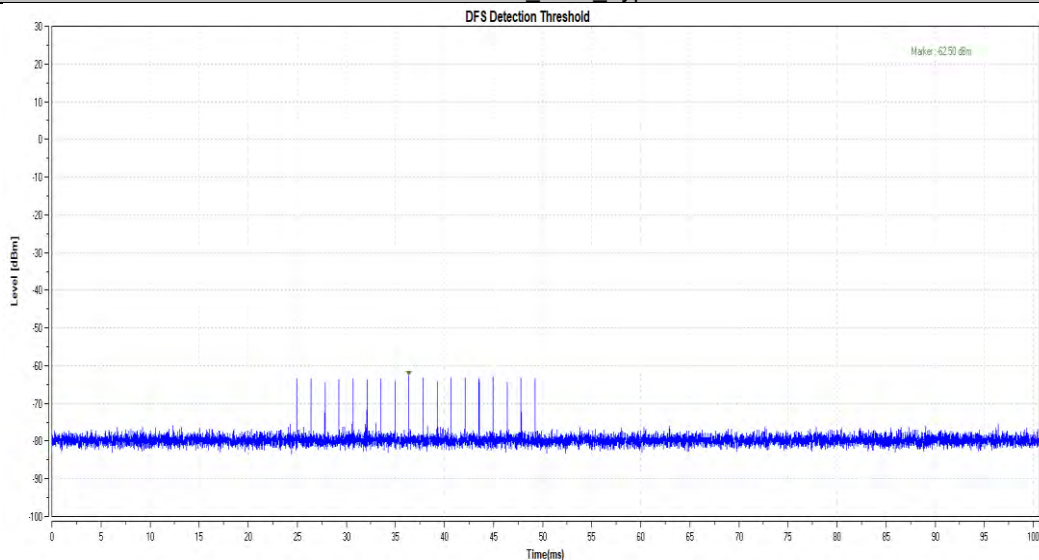
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11AC80SISO 5290 Type0



11AC80SISO 5530 Type0



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4.12.4.2 Channel Move Time and Channel Closing Transmission Time

4.12.4.2.1 Test Result

TestMode	Channel	CCT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AC20SISO	5320	1.7	60	215.8	10000	PASS
	5500	57.6	60	384.7	10000	PASS
11AC80SISO	5290	54.5	60	356.5	10000	PASS
	5530	50.3	60	314.6	10000	PASS



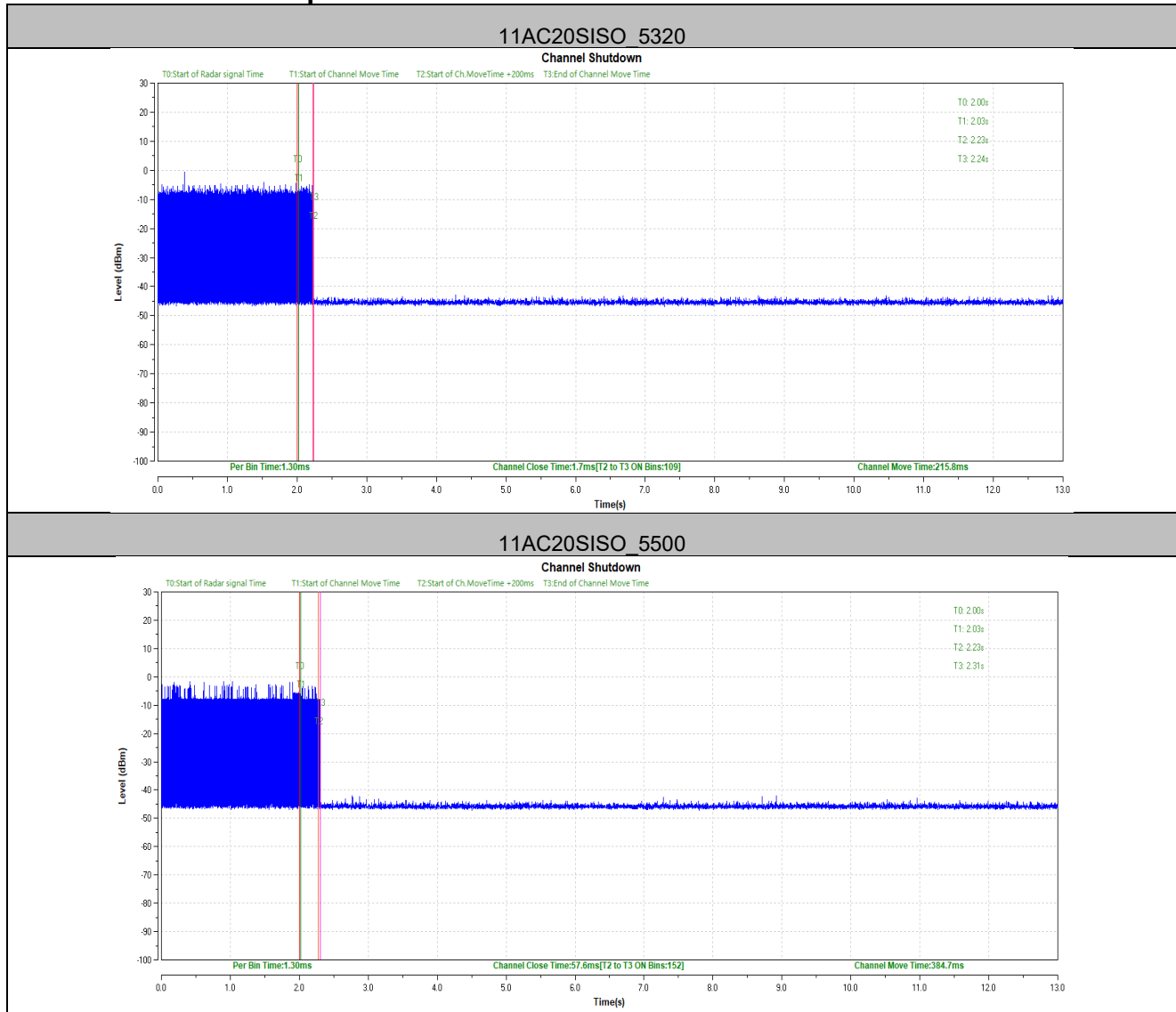
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4.12.4.2.2 Test Graphs



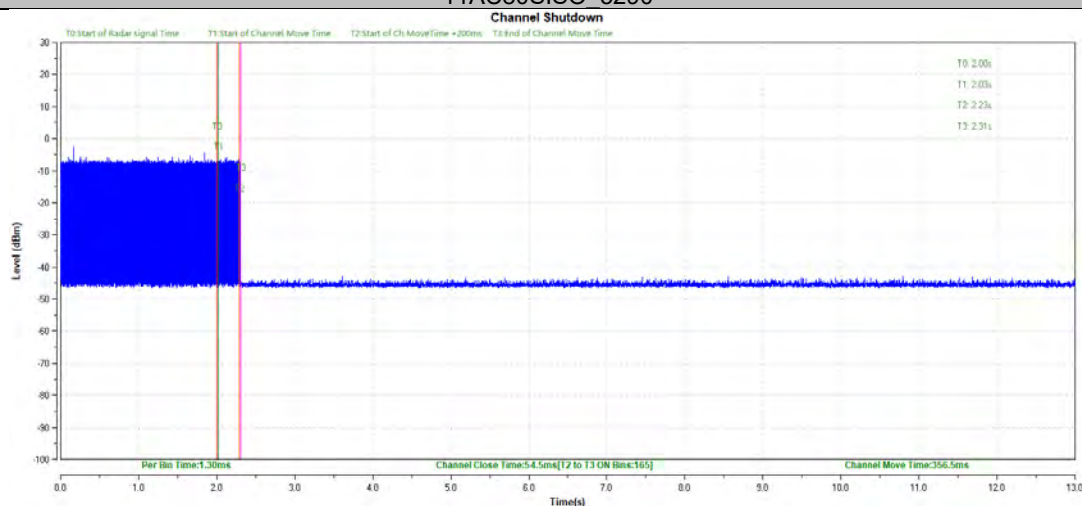
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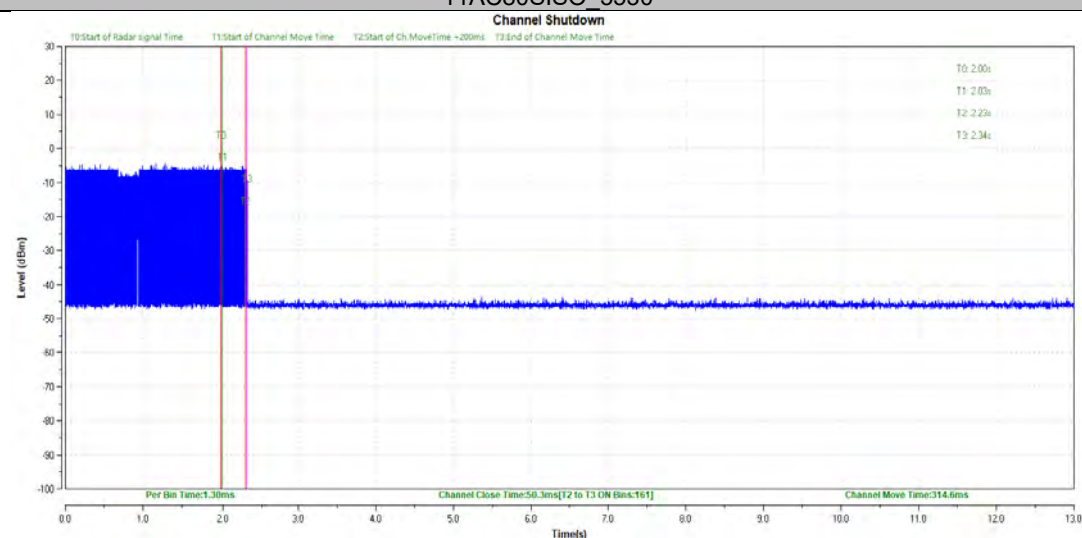
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4.12.4.3 Non-Occupancy Period

4.12.4.3.1 Test Result

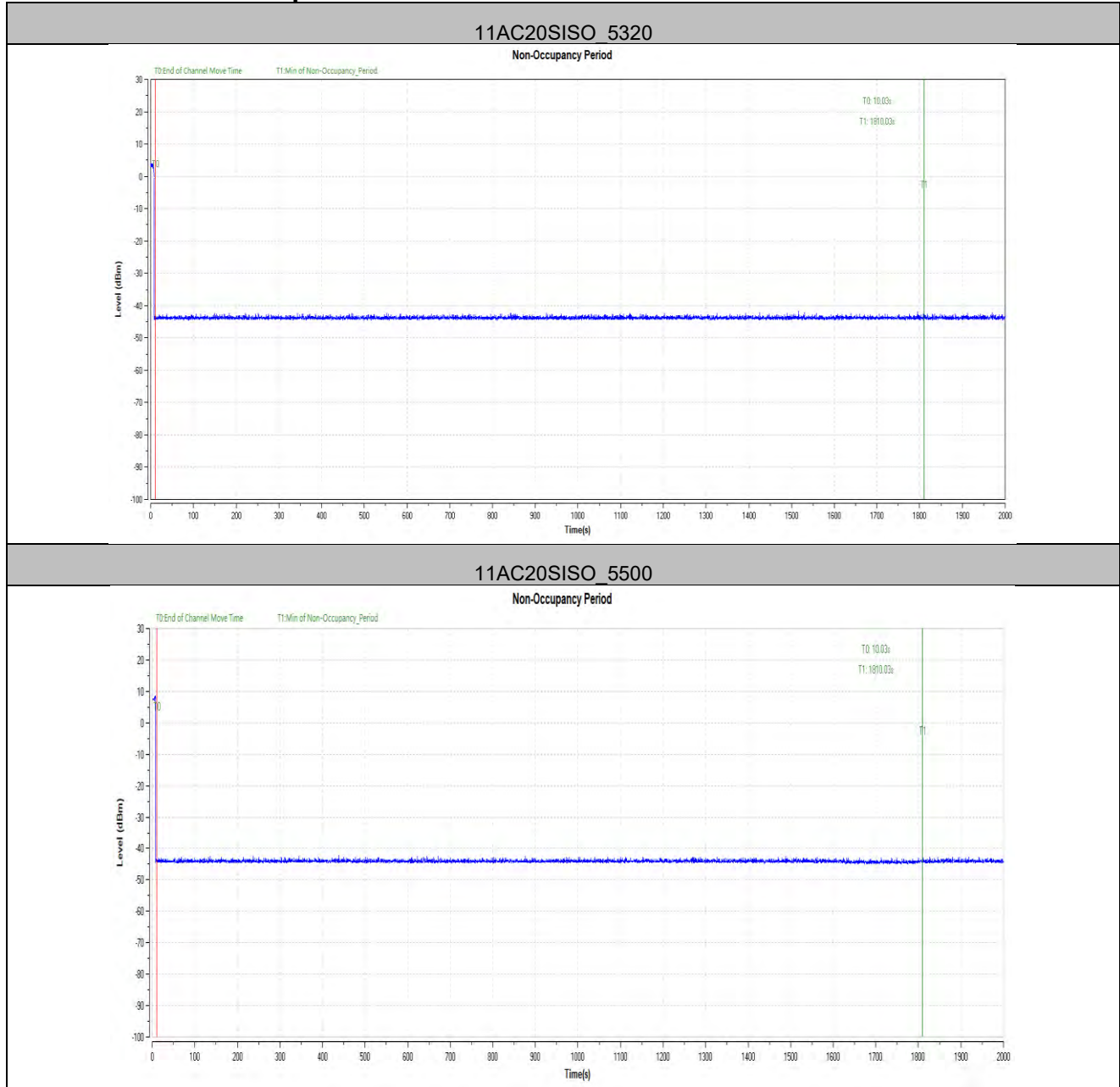
TestMode	Channel	Result	Limit[s]	Verdict
11AC20SISO	5320	see test graph	>=1800	PASS
	5500	see test graph	>=1800	PASS
11AC80SISO	5290	see test graph	>=1800	PASS
	5530	see test graph	>=1800	PASS



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4.12.4.3.2 Test Graphs



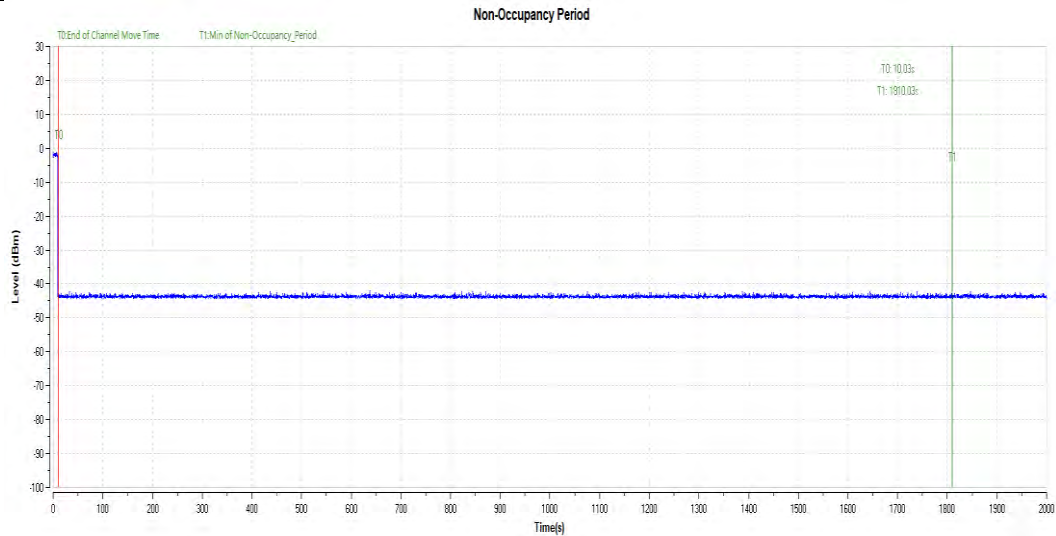
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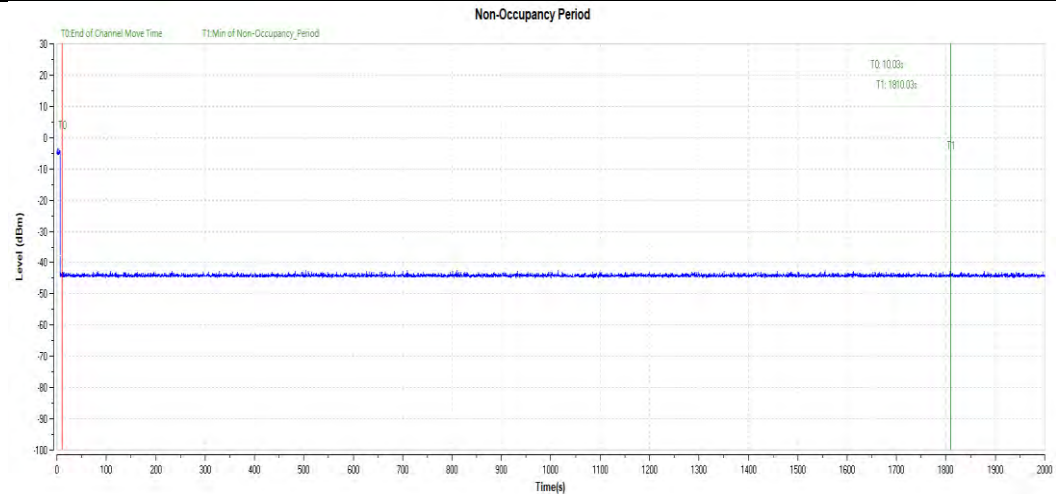
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5 Measurement Uncertainty (95% confidence levels, k=2)

Lab A:

No.	Item	Measurement Uncertainty
1	Total RF power, conducted	$\pm 0.41\text{dB}$
2	RF power density, conducted	$\pm 1.96\text{dB}$
3	Spurious emissions, conducted	$\pm 0.41\text{dB}$
4	Radio Frequency	$\pm 7.10 \times 10^{-8}$
5	Duty Cycle	$\pm 0.49\%$
6	Occupied Bandwidth	$\pm 0.2\%$

Lab B:

No.	Item	Measurement Uncertainty
1	Conduction Emission	$\pm 3.0\text{dB}$ (150kHz to 30MHz)
2	Radiated Emission	$\pm 4.8\text{dB}$ (Below 1GHz)
		$\pm 4.8\text{dB}$ (1GHz to 6GHz)
		$\pm 4.5\text{dB}$ (6GHz to 18GHz)
		$\pm 5.02\text{dB}$ (Above 18GHz)



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6 Equipment List

RF conducted					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)
Signal Analyzer	Rohde & Schwarz	FSV	W025-05	2020/4/16	2021/4/15
DC Power Supply	Rohde & Schwarz	HMP2020	W009-08	2020/7/15	2021/7/15
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2020/7/14	2021/7/13
Humidity/ Temperature Indicator	Shanghai Meteorological Industry Factory	HTC-1	W006-17	2020/4/21	2021/4/20
Temperature Chamber	GIANT FORCE	ICT-150-40-CP-AR	W027-03	2020/11/20	2021/11/19

DFS					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)
Master Device	Linksys pte.Ltd	WRT32X	FCC ID:Q87-WRT3200ACM IC ID:3839A-WRT3200ACM	N/A	N/A
MXA signal analyzer	Angilent	N9020A	XAW01-06-07	2020/4/16	2021/4/15
MXG vector signal Generator	Angilent	N5182B	XAW01-07-16	2020/4/16	2021/4/15
MXG vector signal Generator	Angilent	N5182A	XAW01-07-17	2020/4/16	2021/4/15

CE Test System					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Shielding Room	Brilliant-emc	N/A	XAW03-35-01	2019-09-11	2022-09-10
Test receiver	ROHDE&SCHWARZ	ESR	XAW01-08-01	2020-09-11	2021-09-10
Artificial network	ROHDE&SCHWARZ	ENV216	XAW01-04-01	2020-08-04	2021-08-03
Temperature and humidity meter	MingGao	TH101B	XAW01-01-01	2020-11-06	2021-11-05
Measurement Software	Tonscend	TS+ CE V2.5	XAW02-05-02	NCR	NCR



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RSE Test System					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Semi-Anechoic Chamber	Brilliant-emc	N/A	XAW03-35-01	2019-09-11	2022-09-10
MXA signal analyzer	Keysight	N9020A	XAW01-06-01	2020-04-02	2021-04-01
Spectrum Analyzer	Keysight	N9020B	XAW01-11-03	2020-04-15	2021-04-14
Test receiver	ROHDE&SCHWARZ	ESR	XAW01-08-01	2020-09-11	2021-09-10
Receiving antenna (30MHz~3GHz)	Schwarzbeck	VULB 9163	XAW01-09-01	2019-10-13	2021-10-12
Receiving antenna (1GHz~18GHz)	Schwarzbeck	BBHA 9120D	XAW01-09-02	2019-10-13	2021-10-12
Receiving antenna (15GHz~40GHz)	Schwarzbeck	BBHA 9170	XAW01-09-03	2019-10-13	2021-10-12
Directional antenna rack controller	Max-Full	MF-7802BS	XAW03-03-01	NCR	NCR
High-speed antenna rack controller	Max-Full	MF-7802	XAW03-04-01	NCR	NCR
Filter bank	Tonscend	JS0806-F	XAW03-05-01	NCR	NCR
Filter bank	Tonscend	JS0806s	XAW03-05-02	NCR	NCR
Amplifier	Tonscend	TAP00903040	XAW01-41-01	2020-10-26	2021-10-25
Amplifier	Tonscend	TAP01018048	XAW01-41-02	2020-10-26	2021-10-25
Amplifier	Tonscend	TAP18040048	XAW01-41-03	2020-10-27	2021-10-26
Amplifier	Shanghai Steed	YX28980930	XAW01-41-06	2020-10-26	2021-10-25
Temperature and humidity meter	MingGao	TH101B	XAW01-01-01	2020-11-06	2021-11-05
Measurement Software	Tonscend	TS+ RSE V3.0.0.2	XAW02-05-01	NCR	NCR



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7 Photographs - EUT Constructional Details

Refer to Appendix A PCE&NII&DTS&DSS Setup Photos.

The End



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