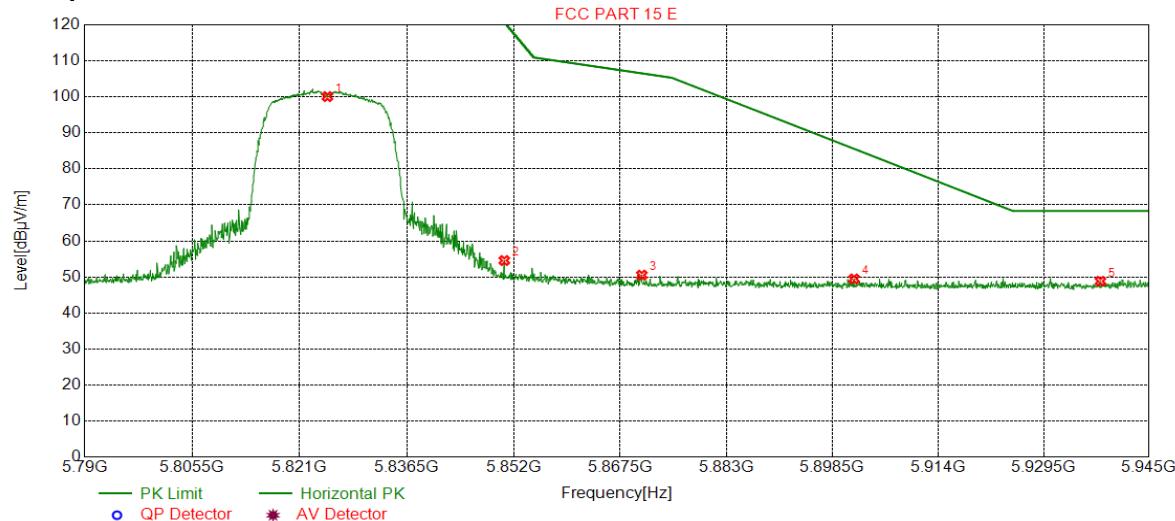


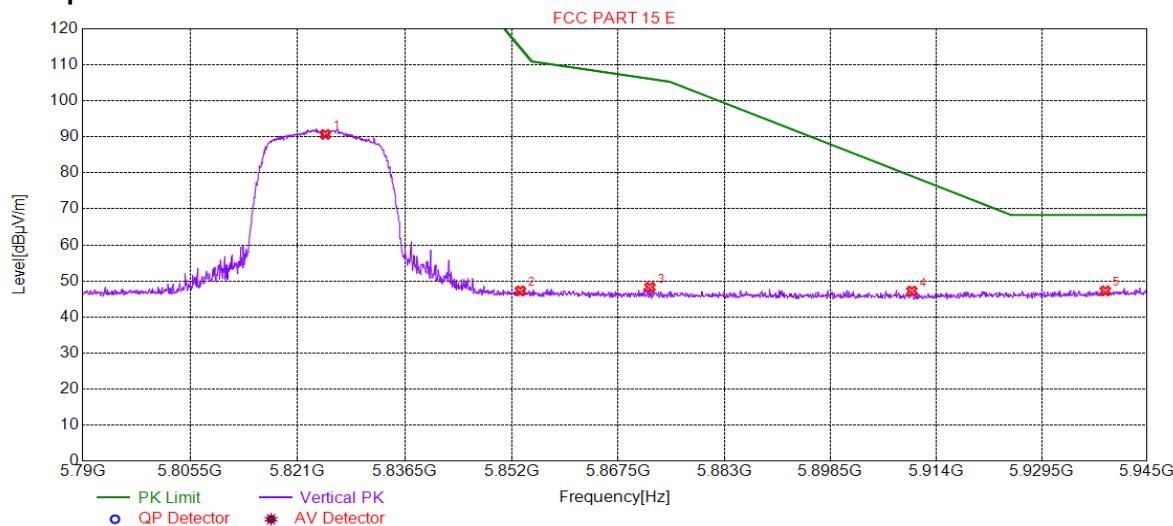
**4.10.1.17 11N20\_165 ANT 1****Test Graph****Suspected List**

<b>Suspected List</b>								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5825.00	100.07	17.23	0.00	-100.07	244	14	Horizontal
2	5850.63	54.57	17.26	120.85	66.28	205	68	Horizontal
3	5870.64	50.51	17.20	106.52	56.01	113	14	Horizontal
4	5901.65	49.46	17.14	85.57	36.11	133	344	Horizontal
5	5937.86	48.81	17.69	68.30	19.49	205	344	Horizontal



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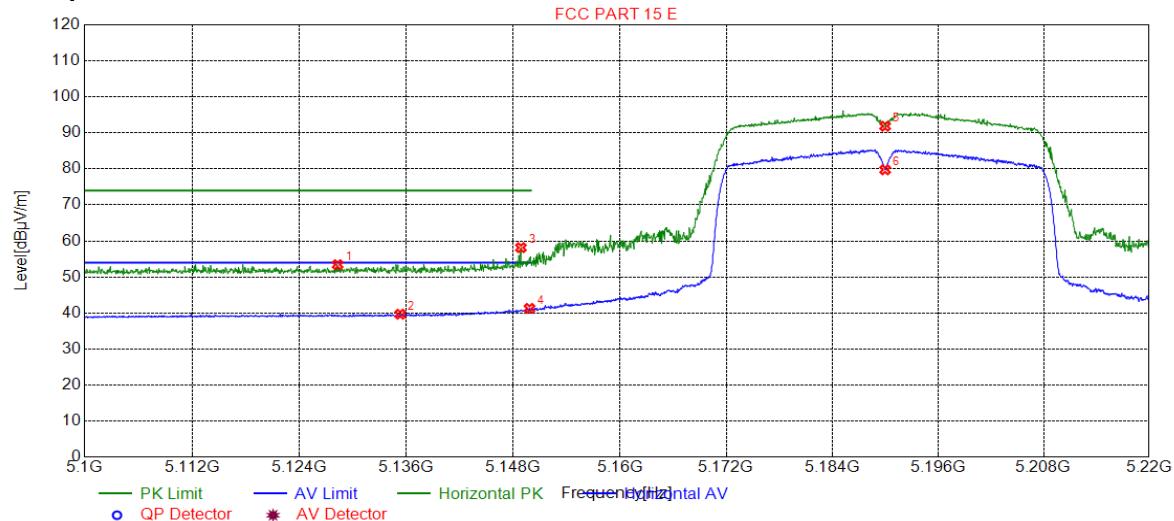
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**Test Graph****Suspected List**

<b>Suspected List</b>									
NO.	Freq. [MHz]	Level [dB $\mu$ V/m]	Factor [dB]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	5825.00	90.68	17.23	0.00	-90.68	164	80	Vertical	
2	5853.27	47.25	17.25	114.84	67.59	226	339	Vertical	
3	5872.11	48.25	17.19	106.11	57.86	220	122	Vertical	
4	5910.41	47.18	17.27	79.09	31.91	269	297	Vertical	
5	5938.87	47.26	17.71	68.30	21.04	235	126	Vertical	

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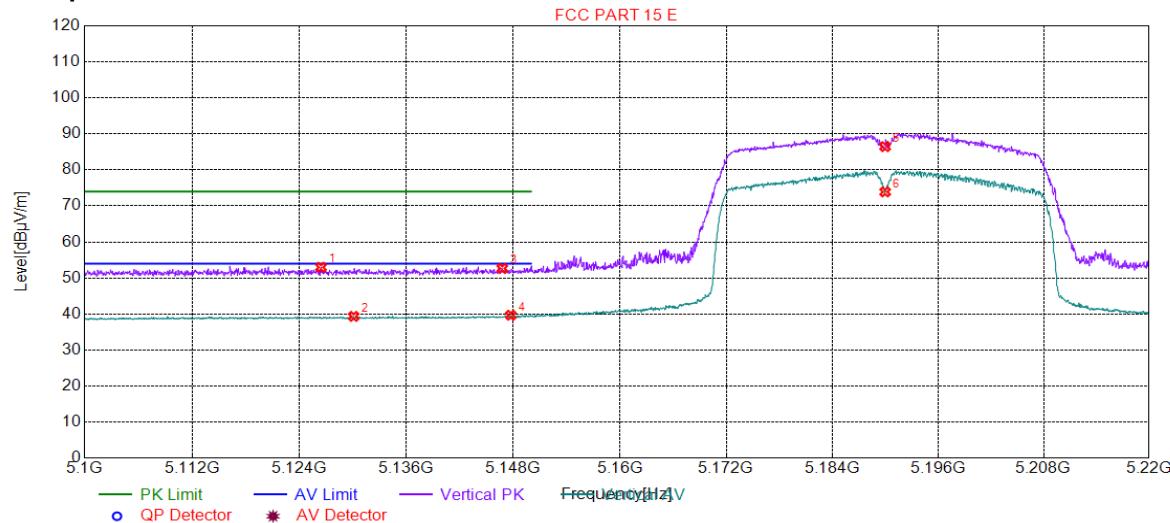
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**4.10.1.18 11N40\_38 ANT 1****Test Graph****Suspected List**

<b>Suspected List</b>								
NO.	Freq. [MHz]	Level [dB $\mu$ V/m]	Factor [dB]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5128.27	53.41	15.33	74.00	20.59	118	346	Horizontal
2	5135.29	39.67	15.39	54.00	14.33	136	341	Horizontal
3	5148.86	58.14	15.51	74.00	15.86	151	10	Horizontal
4	5149.82	41.27	15.52	54.00	12.73	238	346	Horizontal
5	5190.00	91.85	15.58	0.00	-91.85	231	330	Horizontal
6	5190.00	79.75	15.58	0.00	-79.75	118	346	Horizontal

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**Test Graph****Suspected List**

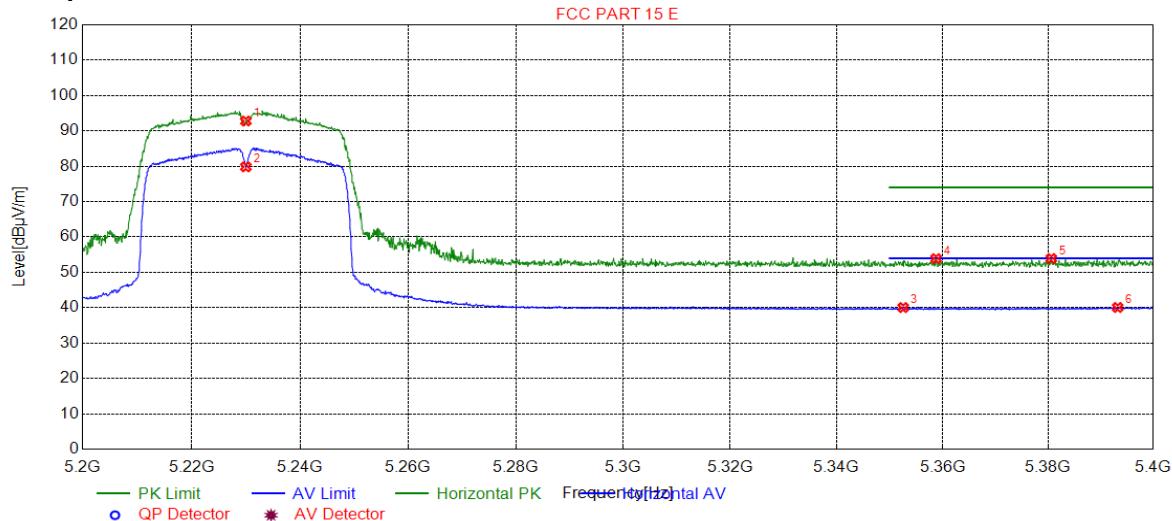
<b>Suspected List</b>									
NO.	Freq. [MHz]	Level [dB $\mu$ V/m]	Factor [dB]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	5126.41	52.97	15.32	74.00	21.03	212	218	Vertical	
2	5130.07	39.33	15.35	54.00	14.67	235	212	Vertical	
3	5146.76	52.64	15.49	74.00	21.36	193	340	Vertical	
4	5147.72	39.66	15.50	54.00	14.34	280	262	Vertical	
5	5190.00	86.46	15.58	0.00	-86.46	210	262	Vertical	
6	5190.00	73.89	15.58	0.00	-73.89	226	267	Vertical	

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## 4.10.1.19 11N40\_46 ANT 1

## Test Graph



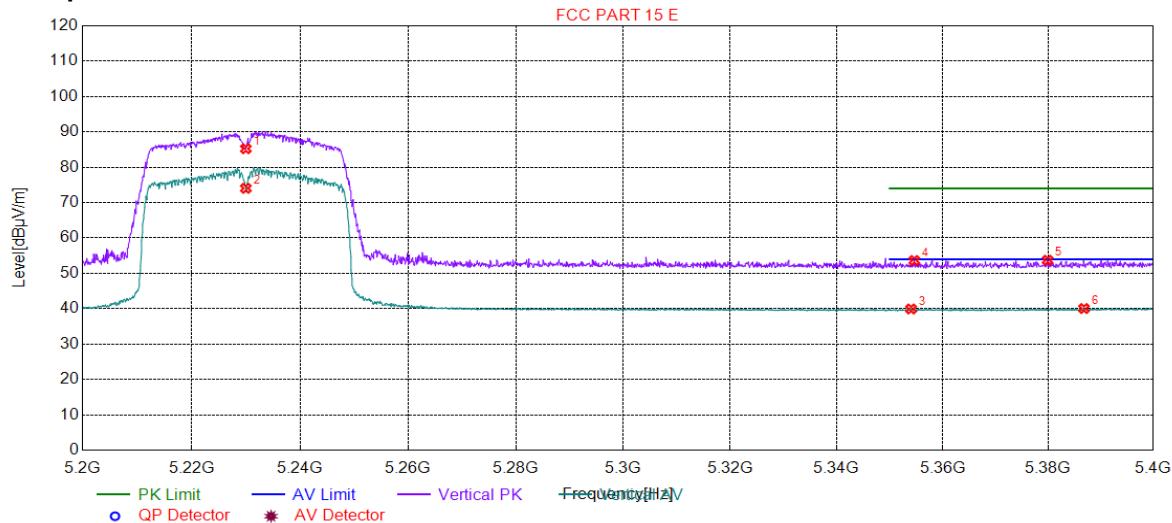
## Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dB $\mu$ V/m]	Factor [dB]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5230.00	92.79	15.51	0.00	-92.79	214	2	Horizontal
2	5230.00	79.82	15.51	0.00	-79.82	222	344	Horizontal
3	5352.57	40.05	15.96	54.00	13.95	170	249	Horizontal
4	5358.77	53.88	15.99	74.00	20.12	107	193	Horizontal
5	5380.59	53.91	16.13	74.00	20.09	135	2	Horizontal
6	5393.19	40.07	16.21	54.00	13.93	199	221	Horizontal



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**Test Graph****Suspected List**

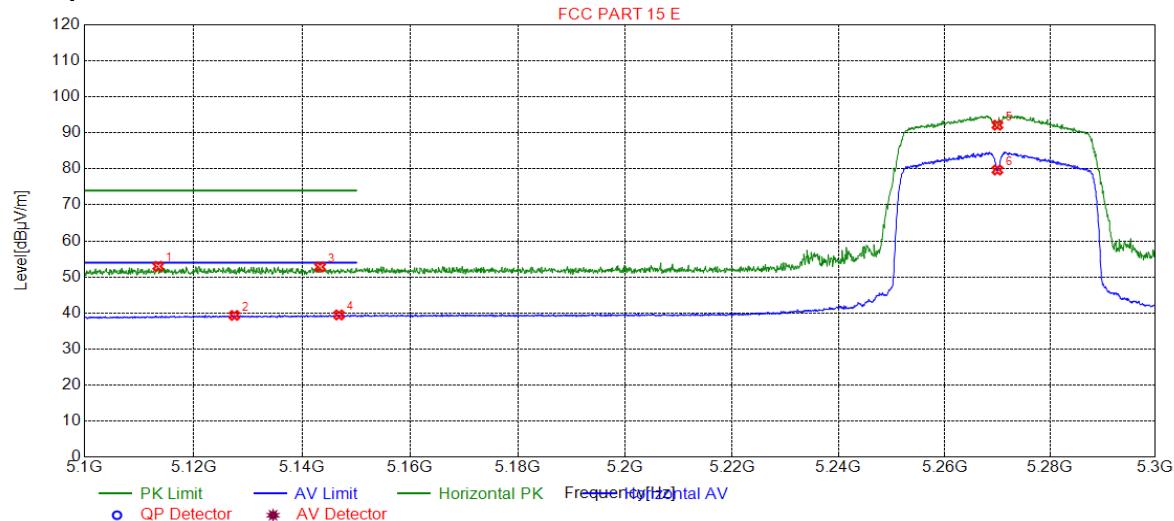
<b>Suspected List</b>									
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	5230.00	85.24	15.51	0.00	-85.24	286	265	Vertical	
2	5230.00	74.05	15.51	0.00	-74.05	154	259	Vertical	
3	5354.07	39.93	15.97	54.00	14.07	277	245	Vertical	
4	5354.67	53.64	15.97	74.00	20.36	202	130	Vertical	
5	5379.88	53.71	16.13	74.00	20.29	282	117	Vertical	
6	5386.79	40.05	16.17	54.00	13.95	203	164	Vertical	

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## 4.10.1.20 11N40\_54 ANT 1

## Test Graph

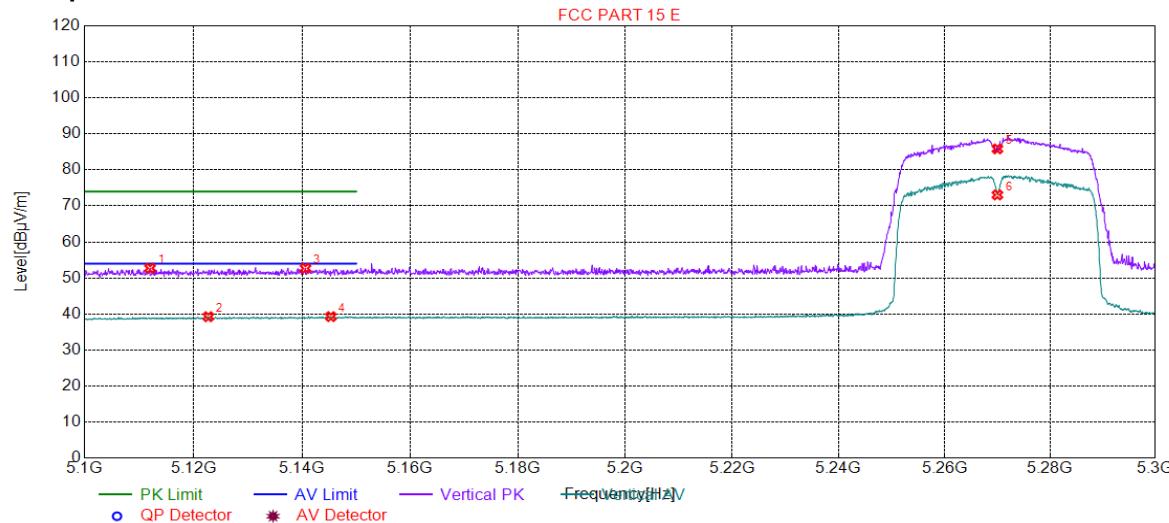


## Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5113.50	52.95	15.21	74.00	21.05	225	194	Horizontal
2	5127.51	39.32	15.33	54.00	14.68	155	344	Horizontal
3	5143.32	52.79	15.46	74.00	21.21	223	215	Horizontal
4	5146.82	39.47	15.49	54.00	14.53	136	344	Horizontal
5	5270.00	92.14	15.56	0.00	-92.14	153	2	Horizontal
6	5270.00	79.69	15.56	0.00	-79.69	133	344	Horizontal

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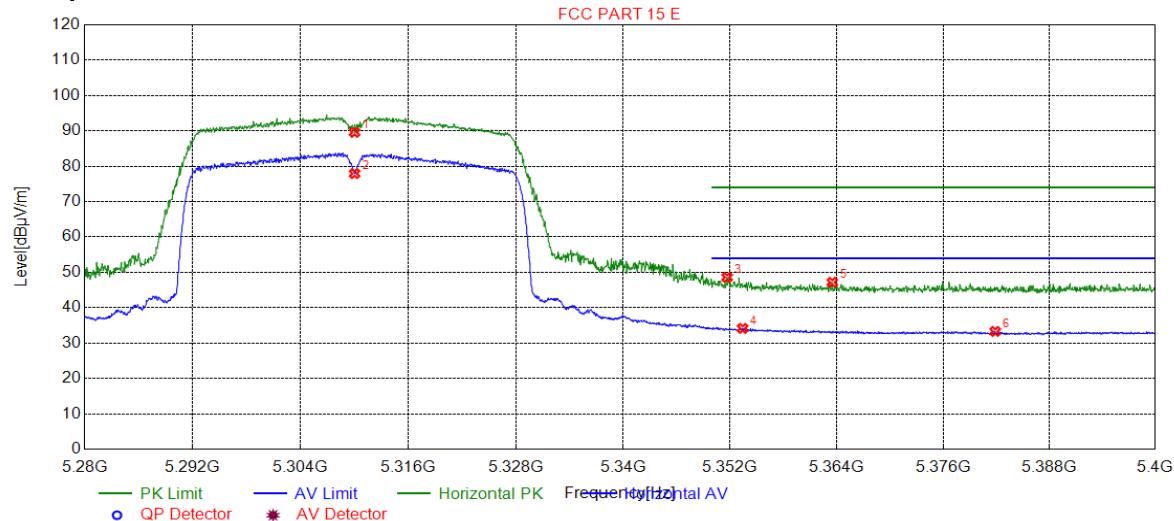
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**Test Graph****Suspected List**

<b>Suspected List</b>									
NO.	Freq. [MHz]	Level [dB $\mu$ V/m]	Factor [dB]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	5112.00	52.70	15.19	74.00	21.30	218	139	Vertical	
2	5122.71	39.25	15.29	54.00	14.75	189	78	Vertical	
3	5140.62	52.67	15.44	74.00	21.33	268	16	Vertical	
4	5145.32	39.27	15.48	54.00	14.73	190	16	Vertical	
5	5270.00	85.83	15.56	0.00	-85.83	231	244	Vertical	
6	5270.00	73.05	15.56	0.00	-73.05	173	237	Vertical	

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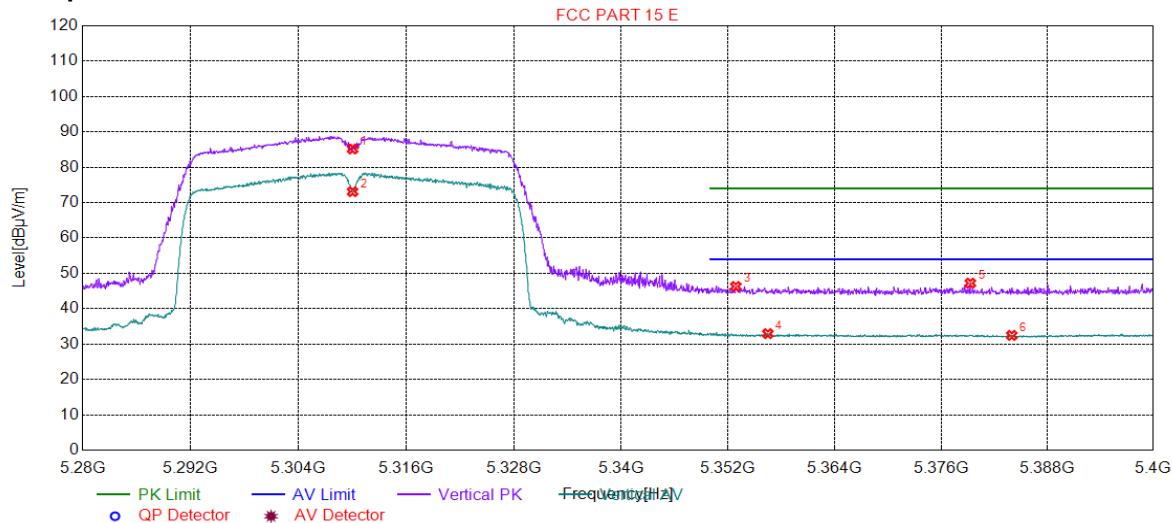
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**4.10.1.21 11N40\_62 ANT 1****Test Graph****Suspected List**

<b>Suspected List</b>								
NO.	Freq. [MHz]	Level [dB $\mu$ V/m]	Factor [dB]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5310.00	89.59	15.75	0.00	-89.59	228	14	Horizontal
2	5310.00	77.92	15.75	0.00	-77.92	177	2	Horizontal
3	5351.67	48.59	15.95	74.00	25.41	231	0	Horizontal
4	5353.41	34.16	15.96	54.00	19.84	236	14	Horizontal
5	5363.50	47.18	16.02	74.00	26.82	113	2	Horizontal
6	5381.87	33.30	16.14	54.00	20.70	110	21	Horizontal

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**Test Graph****Suspected List**

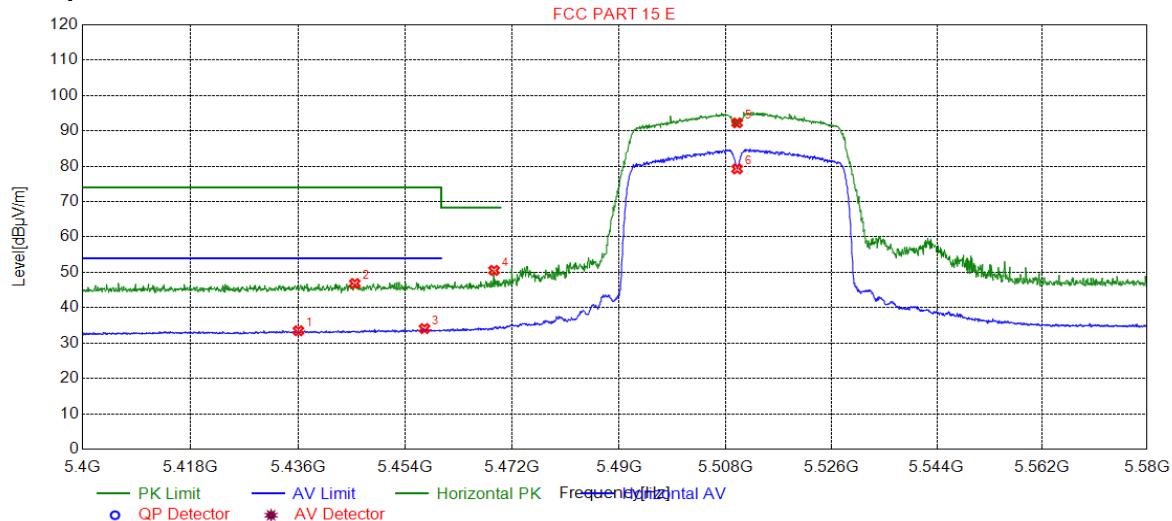
<b>Suspected List</b>									
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	5310.00	85.15	15.75	0.00	-85.15	299	253	Vertical	
2	5310.00	73.10	15.75	0.00	-73.10	193	266	Vertical	
3	5352.87	46.30	15.96	74.00	27.70	237	171	Vertical	
4	5356.47	32.96	15.98	54.00	21.04	205	246	Vertical	
5	5379.28	47.23	16.12	74.00	26.77	160	199	Vertical	
6	5383.97	32.46	16.15	54.00	21.54	189	225	Vertical	

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## 4.10.1.22 11N40\_102 ANT 1

## Test Graph

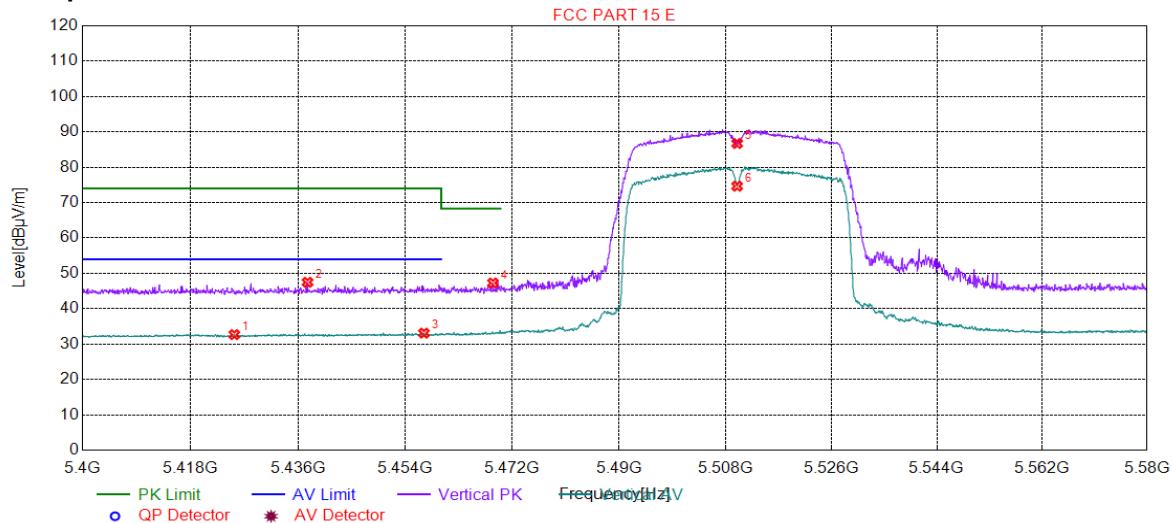


## Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dB $\mu$ V/m]	Factor [dB]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5436.01	33.48	16.25	54.00	20.52	181	325	Horizontal
2	5445.47	46.85	16.25	74.00	27.15	105	331	Horizontal
3	5457.17	34.11	16.25	54.00	19.89	153	325	Horizontal
4	5468.88	50.56	16.25	68.30	17.74	164	111	Horizontal
5	5510.00	92.26	16.28	0.00	-92.26	249	325	Horizontal
6	5510.00	79.25	16.28	0.00	-79.25	172	331	Horizontal

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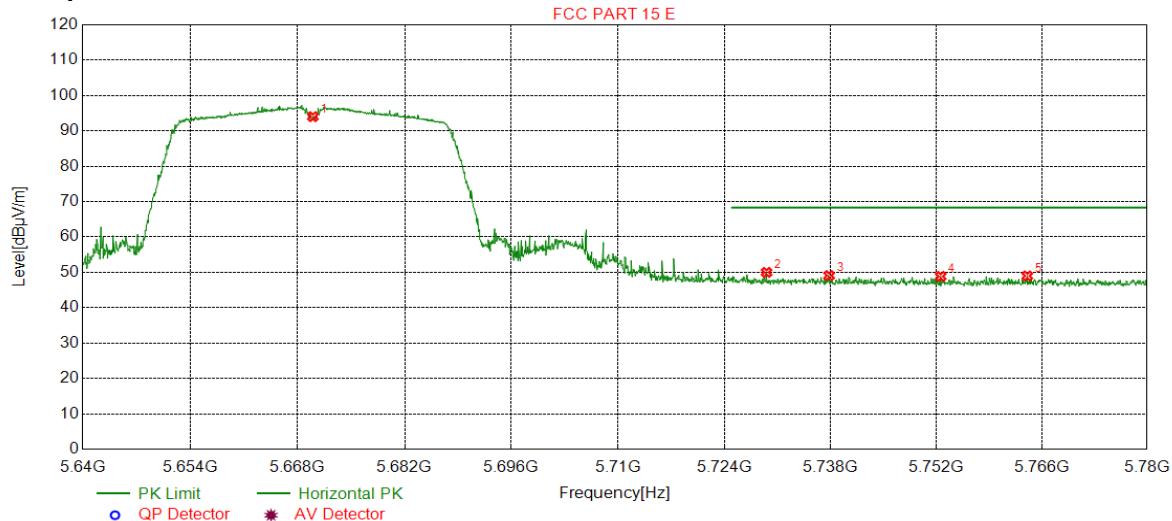
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**Test Graph****Suspected List**

<b>Suspected List</b>									
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	5425.30	32.68	16.25	54.00	21.32	204	97	Vertical	
2	5437.54	47.48	16.25	74.00	26.52	185	70	Vertical	
3	5457.08	33.10	16.25	54.00	20.90	204	70	Vertical	
4	5468.70	47.28	16.25	68.30	21.02	267	104	Vertical	
5	5510.00	86.72	16.28	0.00	-86.72	253	228	Vertical	
6	5510.00	74.64	16.28	0.00	-74.64	262	63	Vertical	

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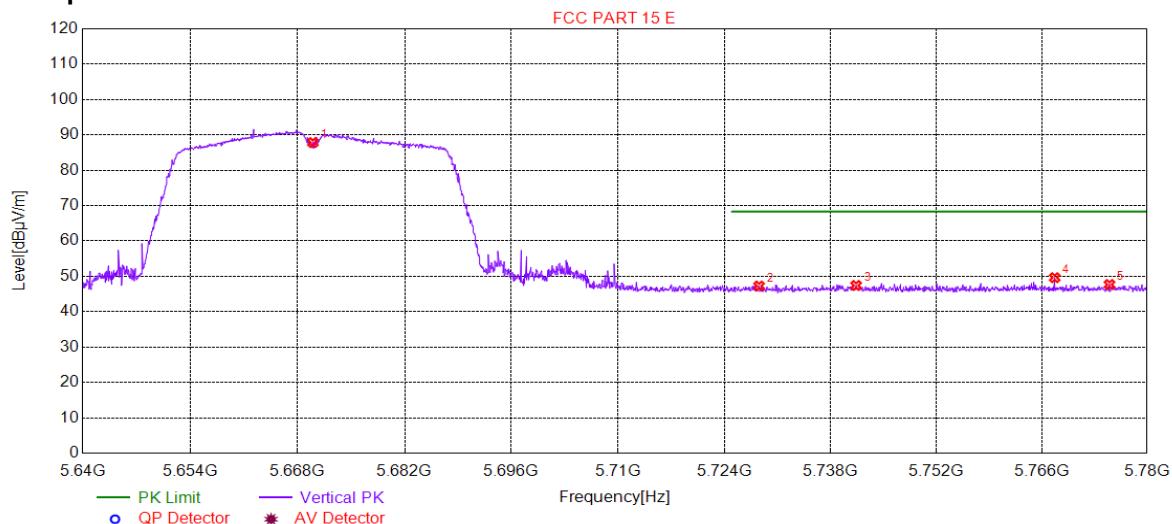
**4.10.1.23 11N40\_134 ANT 1****Test Graph****Suspected List**

<b>Suspected List</b>								
NO.	Freq. [MHz]	Level [dB $\mu$ V/m]	Factor [dB]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5670.00	94.02	16.64	0.00	-94.02	161	92	Horizontal
2	5729.57	50.00	16.99	68.30	18.30	246	96	Horizontal
3	5737.83	49.09	17.04	68.30	19.21	195	22	Horizontal
4	5752.61	48.86	17.12	68.30	19.44	152	26	Horizontal
5	5764.10	49.00	17.14	68.30	19.30	120	1	Horizontal



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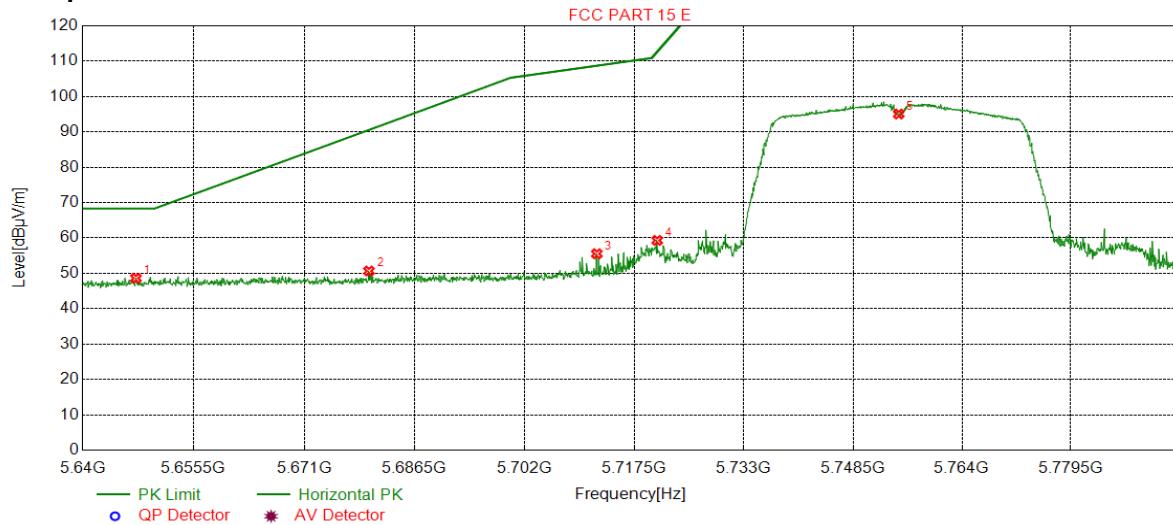
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**Test Graph****Suspected List**

<b>Suspected List</b>									
NO.	Freq. [MHz]	Level [dB $\mu$ V/m]	Factor [dB]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	5670.00	87.83	16.64	0.00	-87.83	274	57	Vertical	
2	5728.59	47.28	16.98	68.30	21.02	222	250	Vertical	
3	5741.41	47.43	17.07	68.30	20.87	236	52	Vertical	
4	5767.74	49.63	17.14	68.30	18.67	242	180	Vertical	
5	5775.02	47.70	17.16	68.30	20.60	280	332	Vertical	

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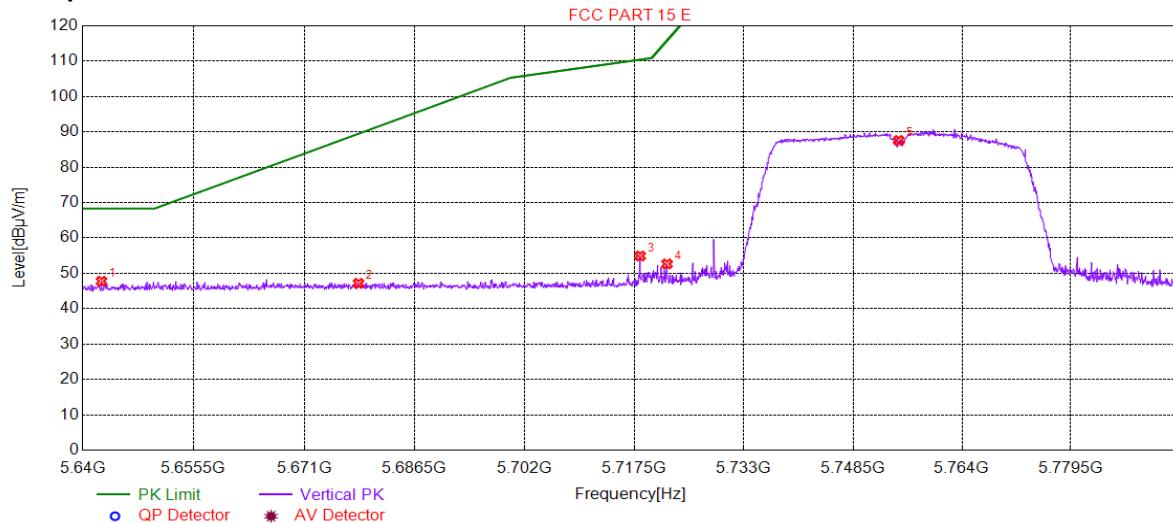
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**4.10.1.24 11N40\_151 ANT 1****Test Graph****Suspected List**

<b>Suspected List</b>								
NO.	Freq. [MHz]	Level [dB $\mu$ V/m]	Factor [dB]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5647.44	48.62	16.53	68.30	19.68	137	327	Horizontal
2	5680.08	50.66	16.69	90.56	39.90	127	340	Horizontal
3	5712.18	55.55	16.88	108.71	53.16	115	16	Horizontal
4	5720.71	59.32	16.93	112.54	53.22	176	7	Horizontal
5	5755.00	95.06	17.13	0.00	-95.06	187	1	Horizontal

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**Test Graph****Suspected List**

<b>Suspected List</b>									
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	5642.63	47.76	16.54	68.30	20.54	238	66	Vertical	
2	5678.61	47.17	16.68	89.47	42.30	172	48	Vertical	
3	5718.31	54.91	16.92	110.43	55.52	265	62	Vertical	
4	5722.11	52.66	16.94	115.72	63.06	282	212	Vertical	
5	5755.00	87.56	17.13	0.00	-87.56	202	272	Vertical	

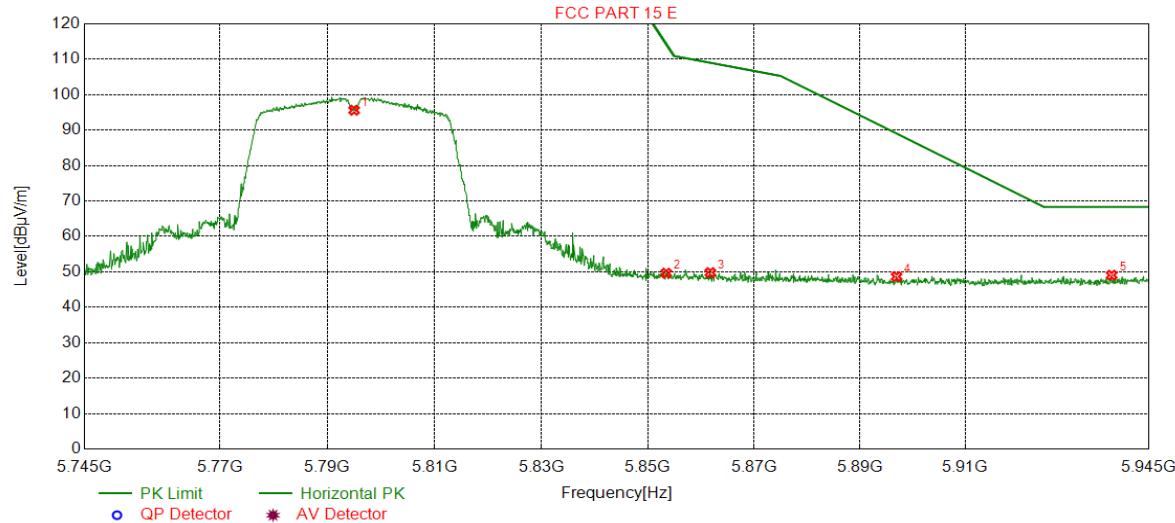
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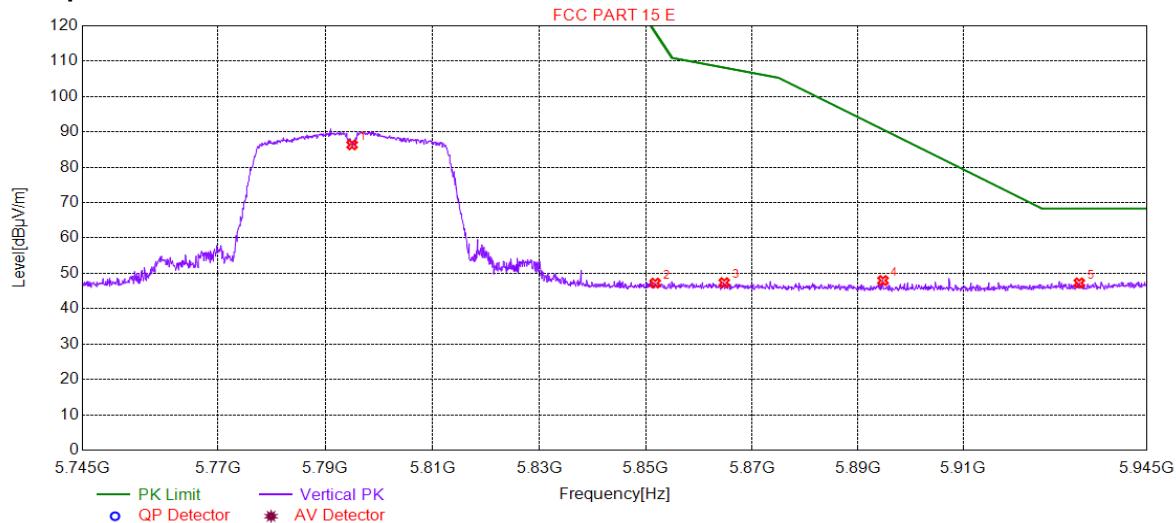
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**4.10.1.25 11N40\_159 ANT 1****Test Graph****Suspected List**

Suspected List								
NO.	Freq. [MHz]	Level [dB $\mu$ V/m]	Factor [dB]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5795.00	95.62	17.18	0.00	-95.62	176	9	Horizontal
2	5853.45	49.63	17.25	114.42	64.79	135	4	Horizontal
3	5861.75	49.79	17.22	109.01	59.22	190	27	Horizontal
4	5896.97	48.66	17.12	89.04	40.38	215	344	Horizontal
5	5937.89	49.06	17.69	68.30	19.24	235	100	Horizontal

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**Test Graph****Suspected List**

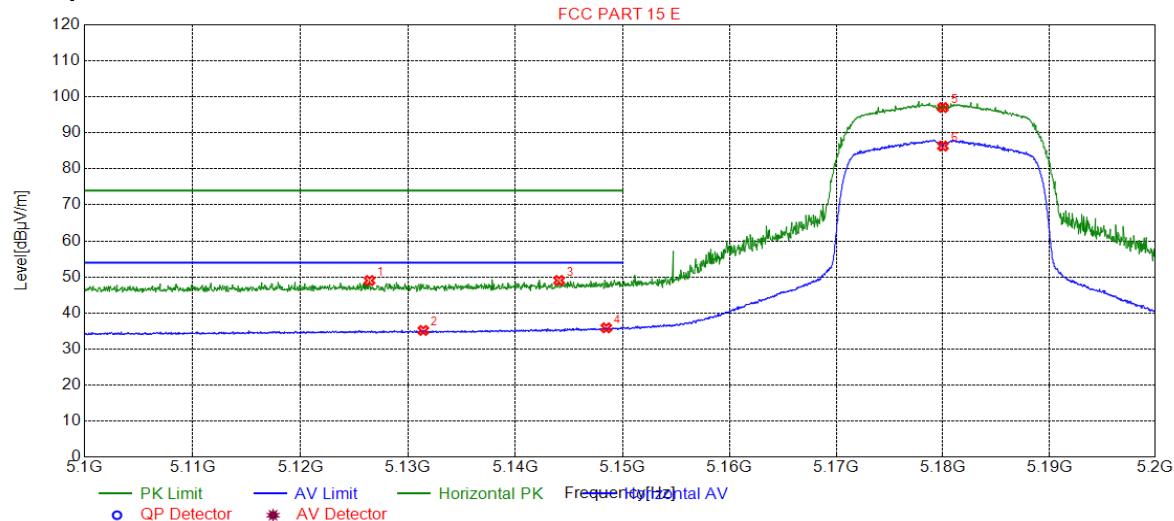
<b>Suspected List</b>									
NO.	Freq. [MHz]	Level [dB $\mu$ V/m]	Factor [dB]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	5795.00	86.35	17.18	0.00	-86.35	238	84	Vertical	
2	5851.75	47.25	17.25	118.30	71.05	235	84	Vertical	
3	5864.75	47.38	17.22	108.17	60.79	174	277	Vertical	
4	5894.77	47.98	17.13	90.67	42.69	244	74	Vertical	
5	5932.09	47.30	17.60	68.30	21.00	250	314	Vertical	

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4.10.1.26 11AC20\_36 ANT 1

# Test Graph



## Suspected List

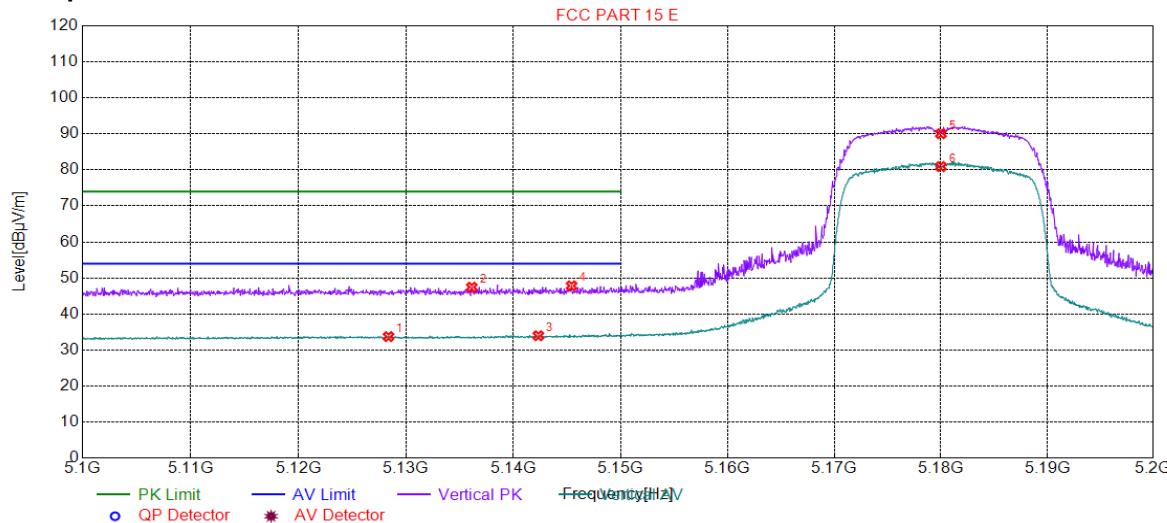
## Suspected List

NO.	Freq. [MHz]	Level [dB $\mu$ V/m]	Factor [dB]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5126.41	49.00	15.32	74.00	25.00	108	346	Horizontal
2	5131.41	35.16	15.36	54.00	18.84	125	2	Horizontal
3	5144.07	49.04	15.47	74.00	24.96	194	2	Horizontal
4	5148.47	35.89	15.51	54.00	18.11	229	346	Horizontal
5	5180.00	97.03	15.56	0.00	-97.03	238	336	Horizontal
6	5180.00	86.34	15.56	0.00	-86.34	229	346	Horizontal

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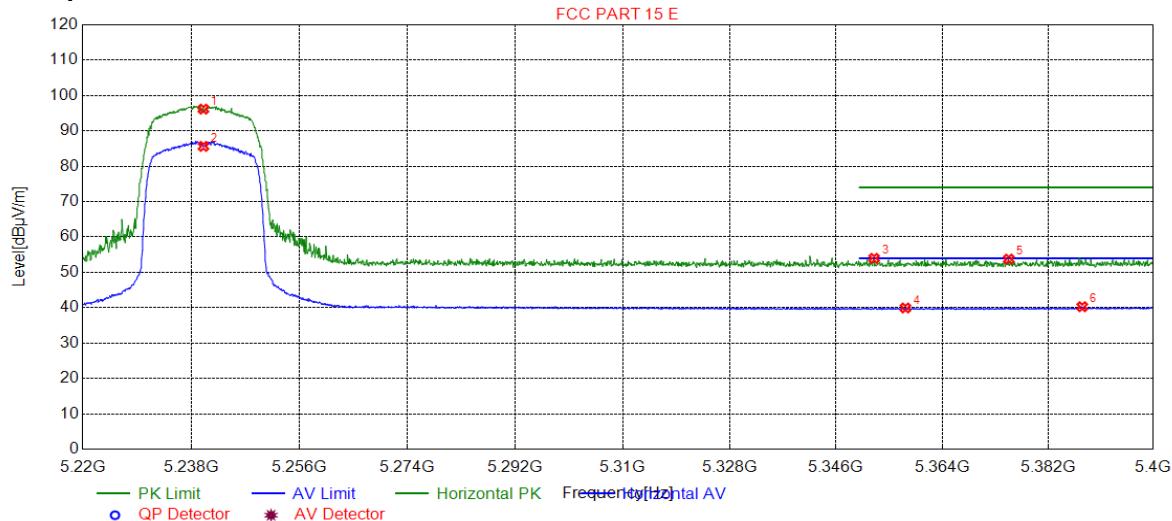
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**Test Graph****Suspected List**

<b>Suspected List</b>									
NO.	Freq. [MHz]	Level [dB $\mu$ V/m]	Factor [dB]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	5128.36	33.73	15.33	54.00	20.27	288	267	Vertical	
2	5136.11	47.44	15.40	74.00	26.56	247	107	Vertical	
3	5142.32	33.97	15.45	54.00	20.03	153	262	Vertical	
4	5145.42	47.82	15.48	74.00	26.18	279	267	Vertical	
5	5180.00	90.05	15.56	0.00	-90.05	255	267	Vertical	
6	5180.00	80.92	15.56	0.00	-80.92	264	262	Vertical	

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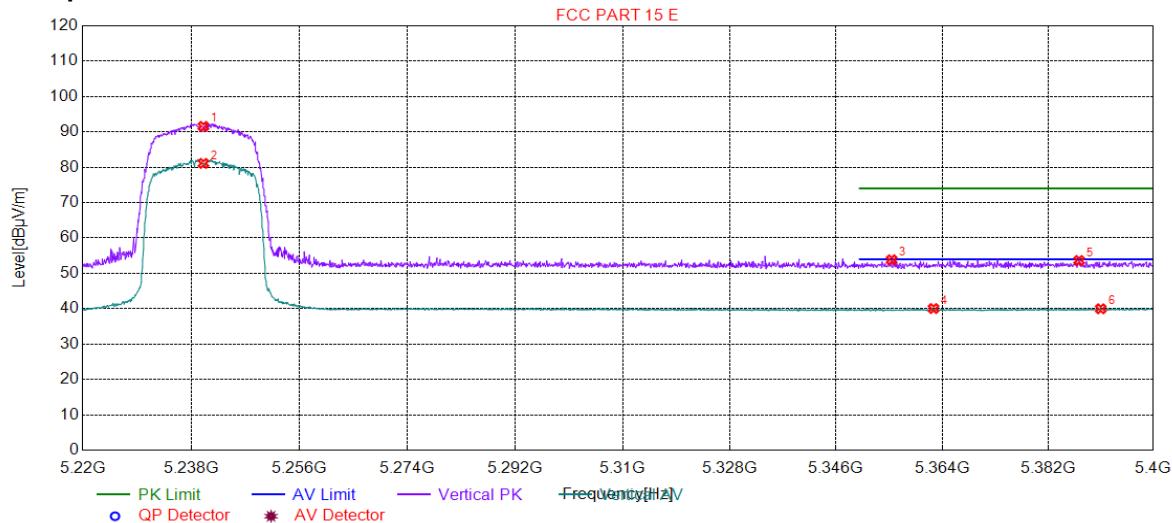
**4.10.1.27 11AC20\_48 ANT 1****Test Graph****Suspected List**

<b>Suspected List</b>								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5240.00	96.16	15.49	0.00	-96.16	128	344	Horizontal
2	5240.00	85.62	15.49	0.00	-85.62	175	2	Horizontal
3	5352.45	53.96	15.96	74.00	20.04	194	91	Horizontal
4	5357.76	39.93	15.99	54.00	14.07	160	235	Horizontal
5	5375.32	53.75	16.10	74.00	20.25	216	126	Horizontal
6	5387.84	40.28	16.17	54.00	13.72	104	2	Horizontal

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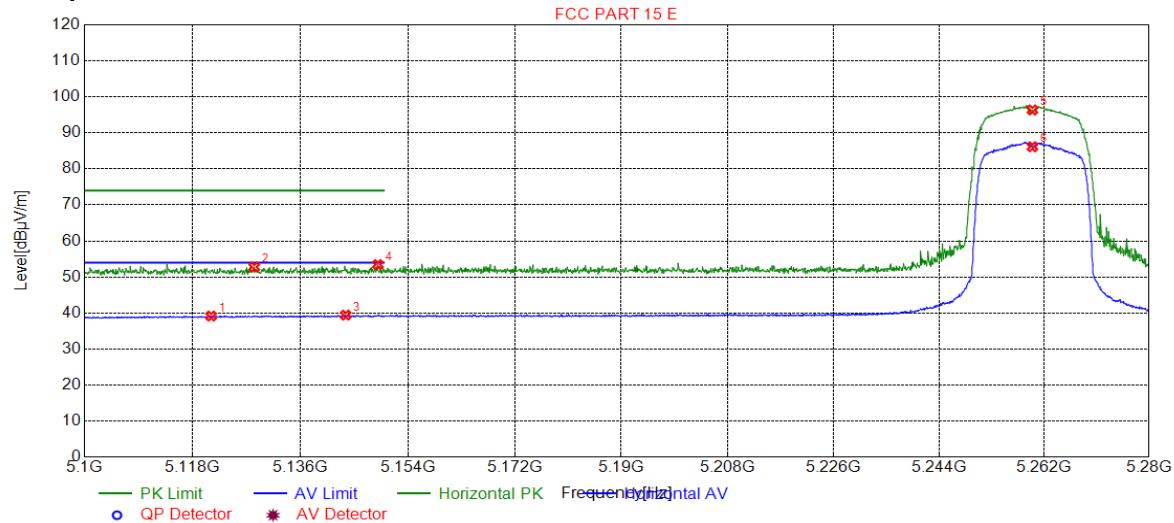


**Test Graph****Suspected List**

<b>Suspected List</b>									
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	5240.00	91.56	15.49	0.00	-91.56	198	255	Vertical	
2	5240.00	81.09	15.49	0.00	-81.09	216	262	Vertical	
3	5355.42	53.83	15.97	74.00	20.17	296	110	Vertical	
4	5362.54	40.05	16.02	54.00	13.95	272	62	Vertical	
5	5387.30	53.63	16.17	74.00	20.37	286	317	Vertical	
6	5390.99	39.98	16.19	54.00	14.02	163	173	Vertical	

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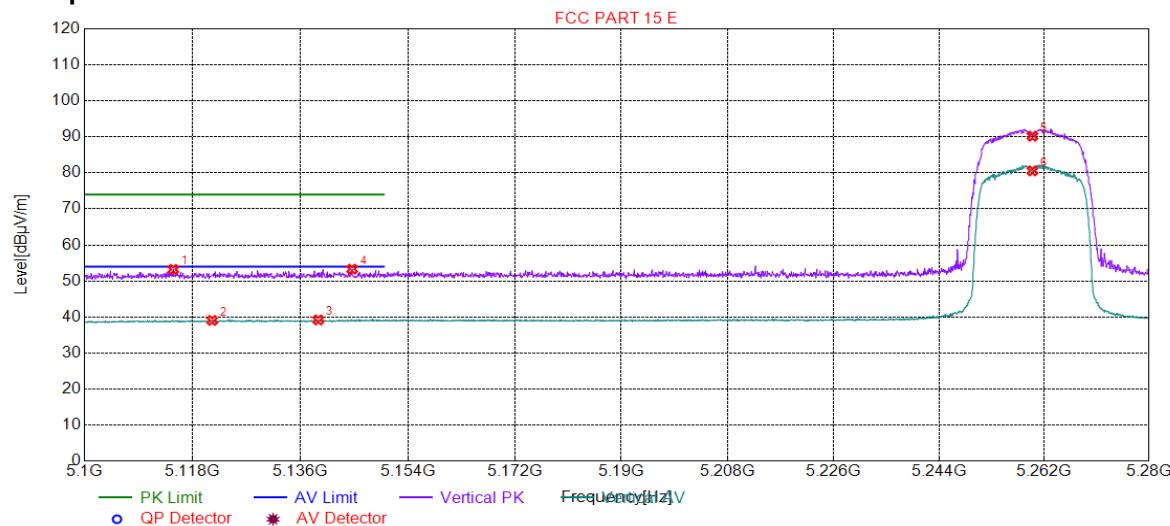
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**4.10.1.28 11AC20\_52 ANT 1****Test Graph****Suspected List**

<b>Suspected List</b>								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5121.07	39.15	15.27	54.00	14.85	186	255	Horizontal
2	5128.27	52.74	15.33	74.00	21.26	137	0	Horizontal
3	5143.58	39.42	15.46	54.00	14.58	234	344	Horizontal
4	5148.98	53.44	15.51	74.00	20.56	235	318	Horizontal
5	5260.00	96.35	15.51	0.00	-96.35	159	344	Horizontal
6	5260.00	86.14	15.51	0.00	-86.14	158	344	Horizontal

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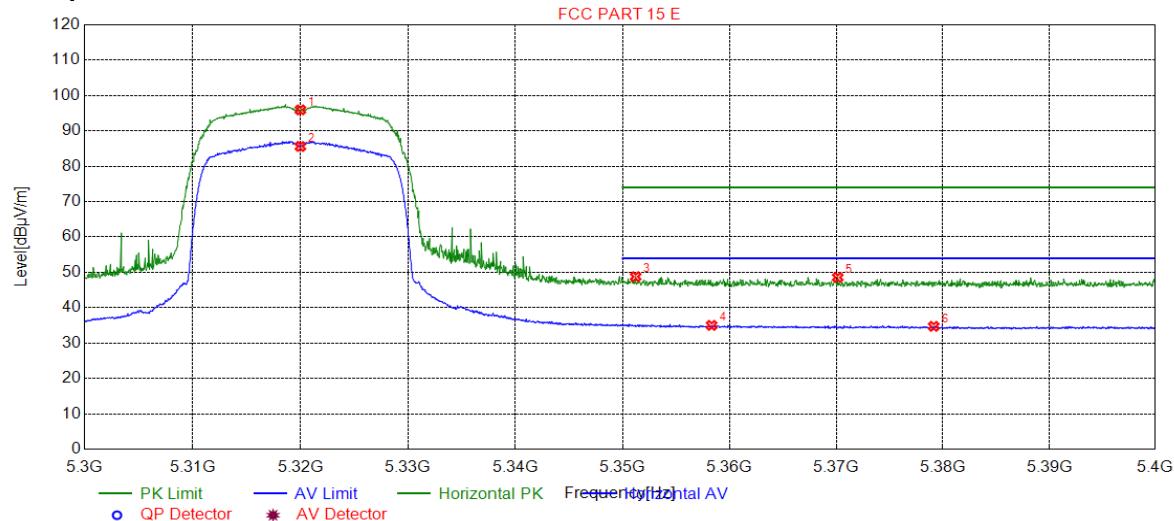
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**Test Graph****Suspected List**

<b>Suspected List</b>									
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	5114.76	53.22	15.22	74.00	20.78	183	194	Vertical	
2	5121.25	39.05	15.27	54.00	14.95	168	75	Vertical	
3	5138.98	39.18	15.43	54.00	14.82	295	270	Vertical	
4	5144.66	53.29	15.47	74.00	20.71	241	304	Vertical	
5	5260.00	90.19	15.51	0.00	-90.19	296	264	Vertical	
6	5260.00	80.56	15.51	0.00	-80.56	276	264	Vertical	

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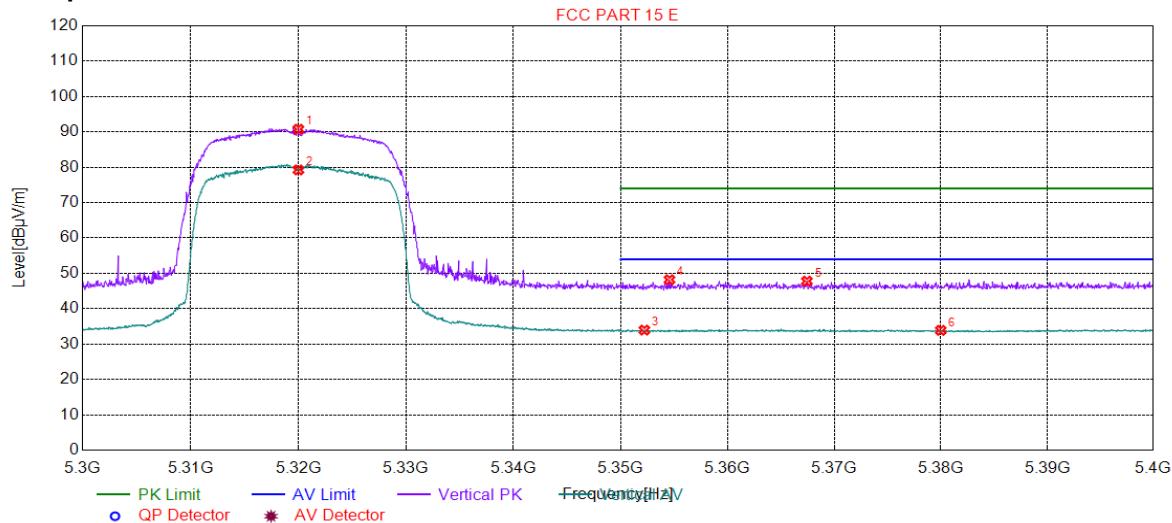
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**4.10.1.29 11AC20\_64 ANT 1****Test Graph****Suspected List**

<b>Suspected List</b>								
NO.	Freq. [MHz]	Level [dB $\mu$ V/m]	Factor [dB]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5320.00	95.94	15.80	0.00	-95.94	152	344	Horizontal
2	5320.00	85.60	15.80	0.00	-85.60	105	0	Horizontal
3	5351.22	48.78	15.95	74.00	25.22	120	344	Horizontal
4	5358.32	35.01	15.99	54.00	18.99	166	2	Horizontal
5	5370.13	48.57	16.06	74.00	25.43	209	329	Horizontal
6	5379.13	34.73	16.12	54.00	19.27	191	344	Horizontal

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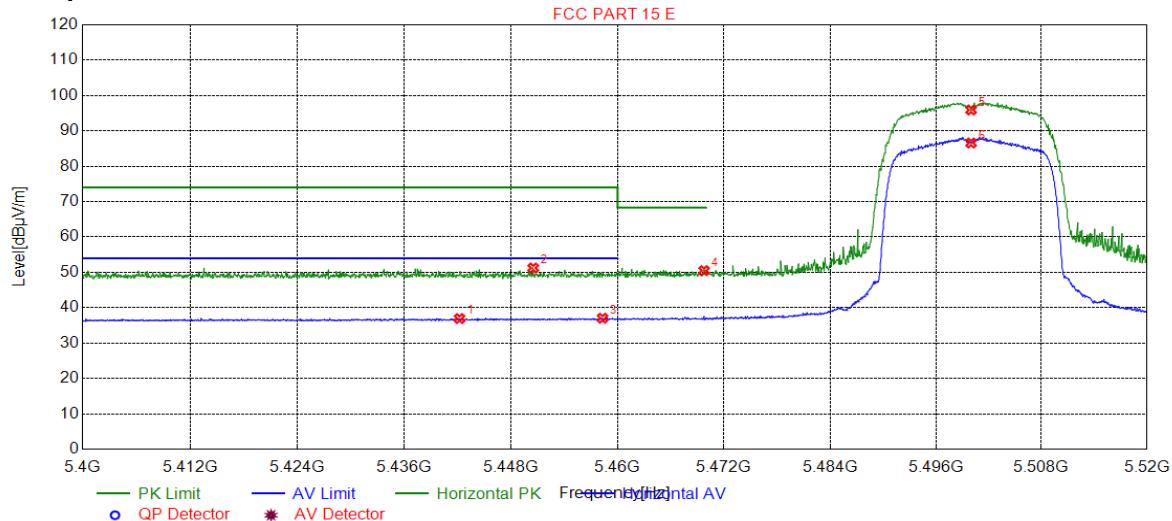
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**Test Graph****Suspected List**

<b>Suspected List</b>									
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	5320.00	90.75	15.80	0.00	-90.75	173	50	Vertical	
2	5320.00	79.25	15.80	0.00	-79.25	166	50	Vertical	
3	5352.22	33.96	15.95	54.00	20.04	248	50	Vertical	
4	5354.57	48.20	15.97	74.00	25.80	167	78	Vertical	
5	5367.43	47.80	16.05	74.00	26.20	196	119	Vertical	
6	5379.99	33.88	16.13	54.00	20.12	272	243	Vertical	

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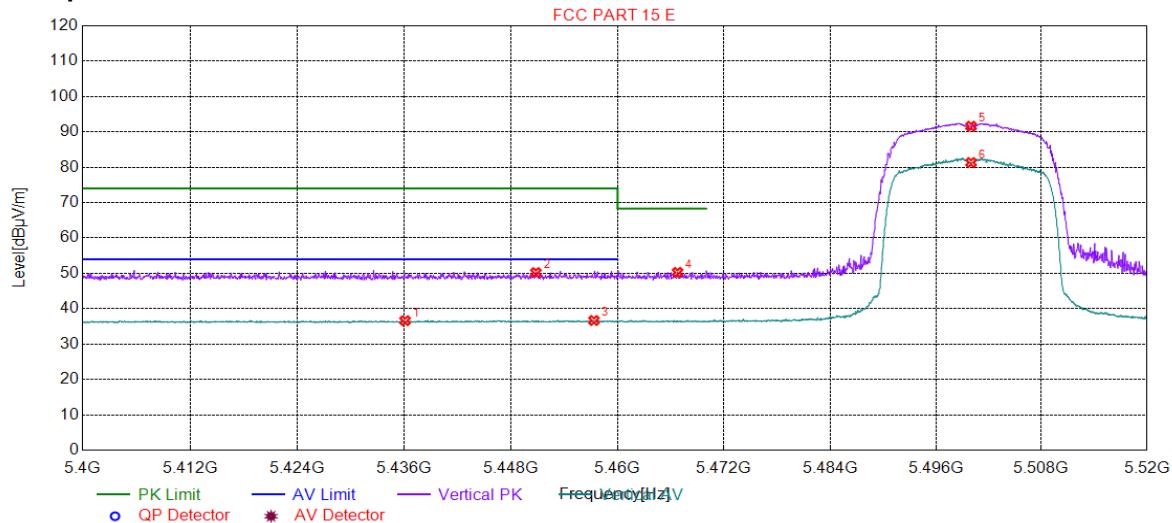
**4.10.1.30 11AC20\_100 ANT 1****Test Graph****Suspected List**

<b>Suspected List</b>								
NO.	Freq. [MHz]	Level [dB $\mu$ V/m]	Factor [dB]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5442.20	36.94	16.25	54.00	17.06	106	341	Horizontal
2	5450.48	51.23	16.25	74.00	22.77	248	94	Horizontal
3	5458.28	37.04	16.25	54.00	16.96	165	341	Horizontal
4	5469.75	50.49	16.25	68.30	17.81	209	308	Horizontal
5	5500.00	95.92	16.25	0.00	-95.92	178	325	Horizontal
6	5500.00	86.58	16.25	0.00	-86.58	149	330	Horizontal

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**Test Graph****Suspected List**

<b>Suspected List</b>									
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	5436.07	36.61	16.25	54.00	17.39	232	56	Vertical	
2	5450.78	50.22	16.25	74.00	23.78	167	260	Vertical	
3	5457.32	36.67	16.25	54.00	17.33	169	188	Vertical	
4	5466.75	50.28	16.25	68.30	18.02	208	299	Vertical	
5	5500.00	91.60	16.25	0.00	-91.60	166	45	Vertical	
6	5500.00	81.34	16.25	0.00	-81.34	251	61	Vertical	

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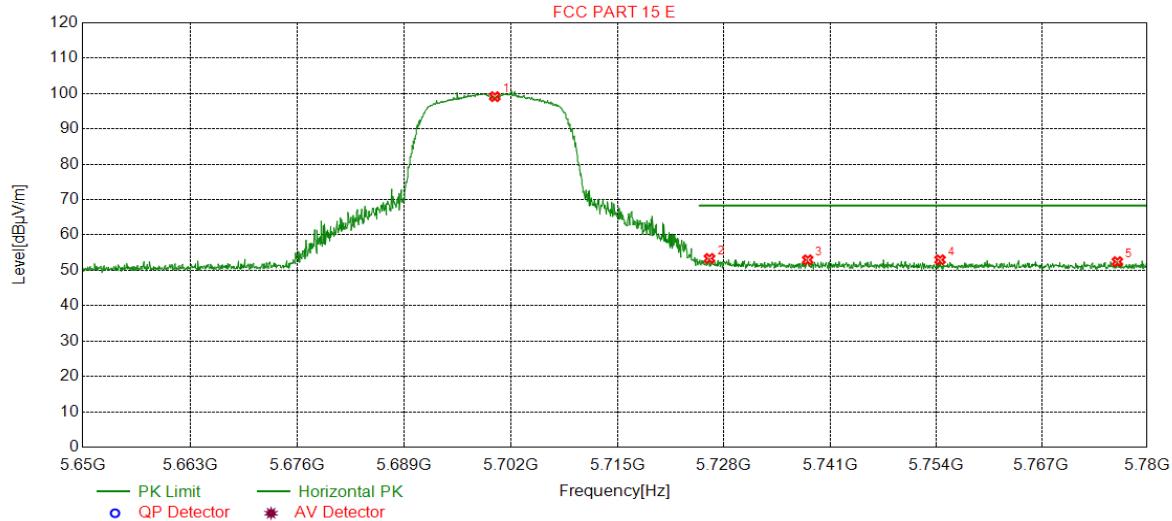
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#### 4.10.1.31 11AC20\_120 ANT 1

# Test Graph



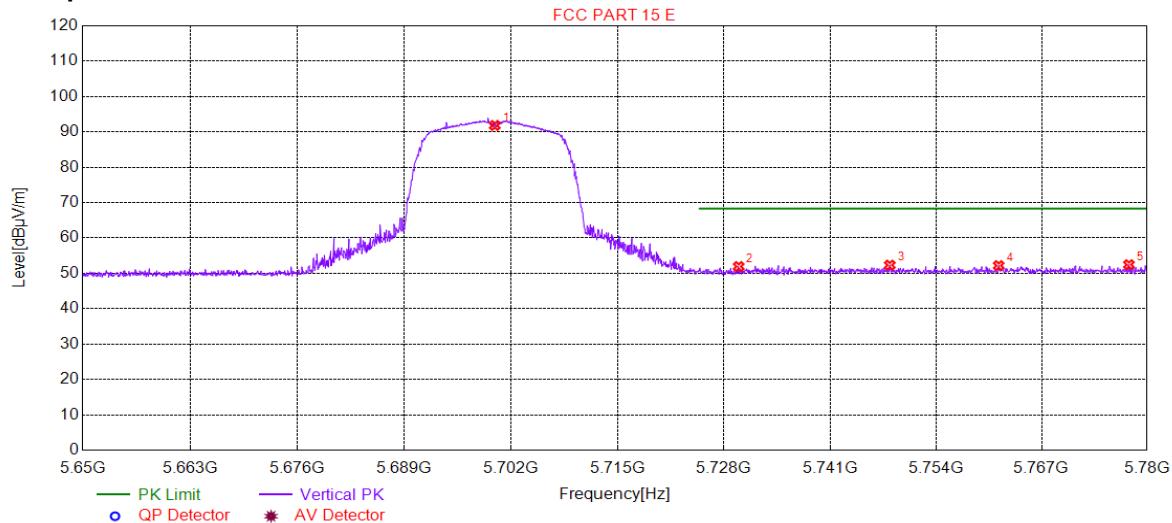
## Suspected List

## Suspected List

NO.	Freq. [MHz]	Level [dB $\mu$ V/m]	Factor [dB]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5700.00	99.11	16.80	0.00	-99.11	246	1	Horizontal
2	5726.21	53.36	16.97	68.30	14.94	167	17	Horizontal
3	5738.24	52.97	17.04	68.30	15.33	109	231	Horizontal
4	5754.50	52.99	17.13	68.30	15.31	192	8	Horizontal
5	5776.35	52.46	17.16	68.30	15.84	206	344	Horizontal

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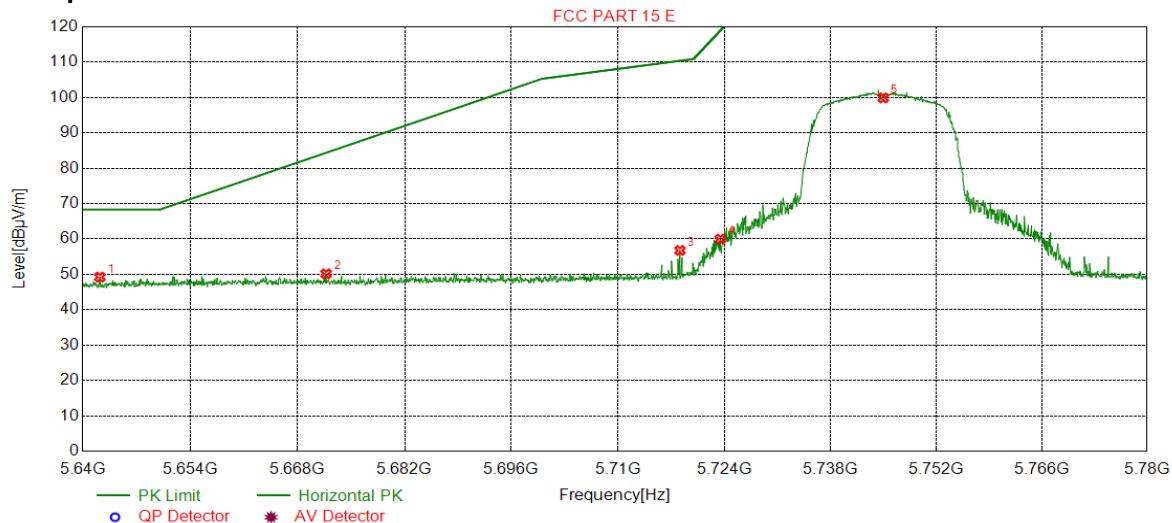


**Test Graph****Suspected List**

<b>Suspected List</b>									
NO.	Freq. [MHz]	Level [dB $\mu$ V/m]	Factor [dB]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	5700.00	91.82	16.80	0.00	-91.82	232	63	Vertical	
2	5729.79	51.93	16.99	68.30	16.37	154	316	Vertical	
3	5748.32	52.33	17.11	68.30	15.97	248	16	Vertical	
4	5761.72	52.19	17.14	68.30	16.11	298	16	Vertical	
5	5777.78	52.46	17.16	68.30	15.84	174	90	Vertical	

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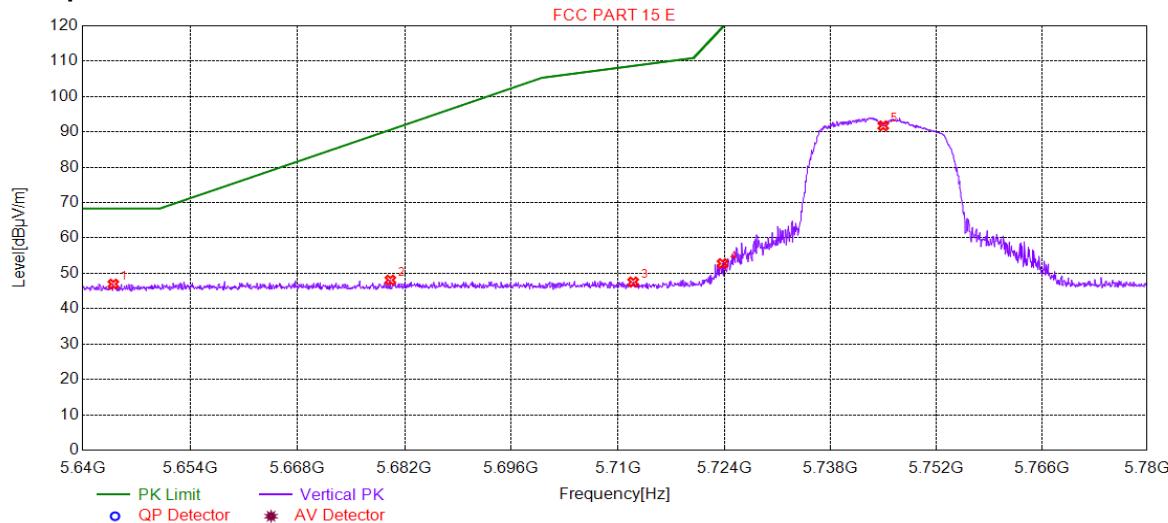
**4.10.1.32 11AC20\_149 ANT 1****Test Graph****Suspected List**

<b>Suspected List</b>								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5642.24	49.22	16.54	68.30	19.08	103	326	Horizontal
2	5671.72	50.16	16.65	84.38	34.22	114	344	Horizontal
3	5718.15	56.76	16.92	110.38	53.62	141	69	Horizontal
4	5723.48	59.99	16.95	118.84	58.85	227	336	Horizontal
5	5745.00	99.89	17.09	0.00	-99.89	226	19	Horizontal



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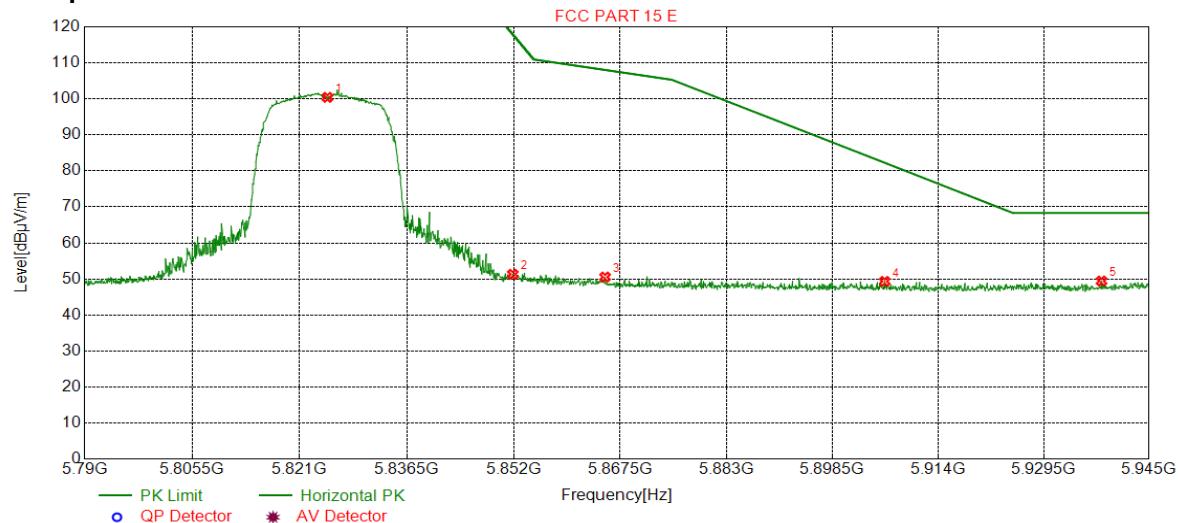
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**Test Graph****Suspected List**

<b>Suspected List</b>									
NO.	Freq. [MHz]	Level [dB $\mu$ V/m]	Factor [dB]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	5643.99	46.96	16.54	68.30	21.34	235	283	Vertical	
2	5680.13	48.10	16.69	90.60	42.50	160	79	Vertical	
3	5711.99	47.56	16.88	108.66	61.10	198	117	Vertical	
4	5723.76	52.77	16.95	119.48	66.71	226	70	Vertical	
5	5745.00	91.71	17.09	0.00	-91.71	218	79	Vertical	

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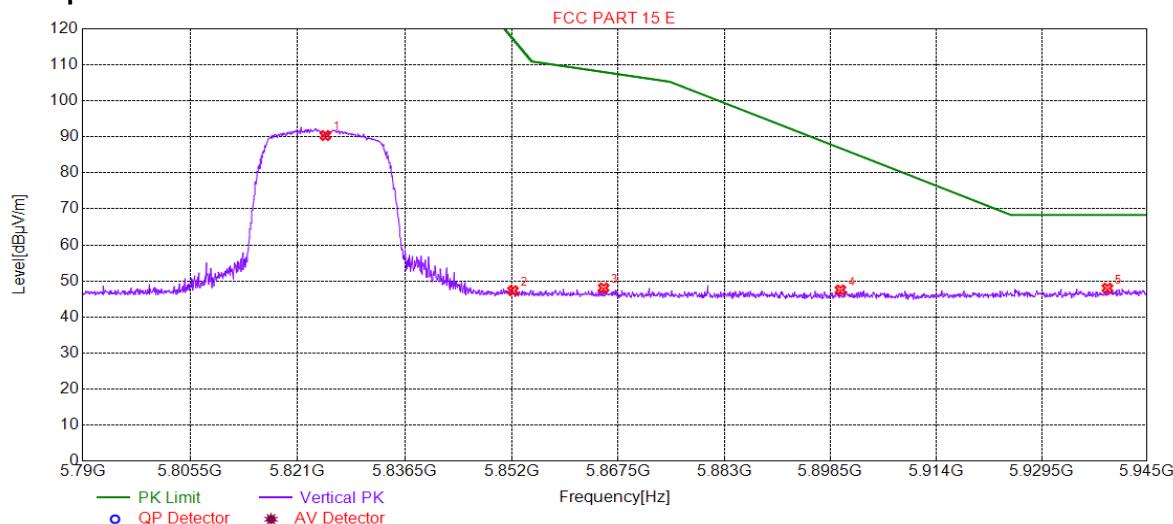
**4.10.1.33 11AC20\_165 ANT 1****Test Graph****Suspected List**

<b>Suspected List</b>								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5825.00	100.42	17.23	0.00	-100.42	201	77	Horizontal
2	5851.87	51.30	17.25	118.02	66.72	225	12	Horizontal
3	5865.29	50.53	17.21	108.02	57.49	166	344	Horizontal
4	5906.15	49.33	17.20	82.25	32.92	133	4	Horizontal
5	5938.02	49.44	17.70	68.30	18.86	183	4	Horizontal



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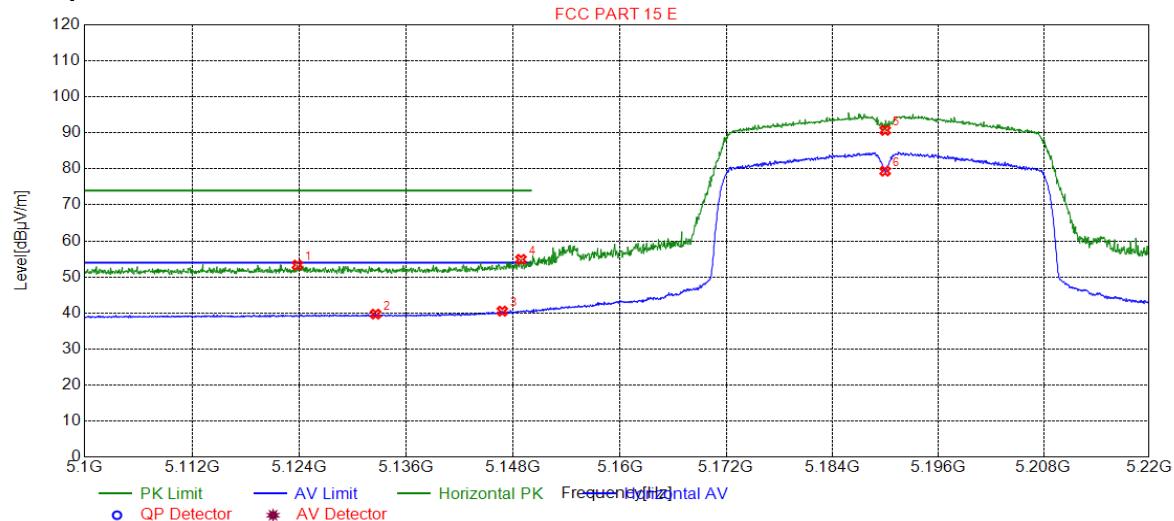
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**Test Graph****Suspected List**

<b>Suspected List</b>								
NO.	Freq. [MHz]	Level [dB $\mu$ V/m]	Factor [dB]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5825.00	90.37	17.23	0.00	-90.37	280	121	Vertical
2	5852.18	47.32	17.25	117.32	70.00	210	247	Vertical
3	5865.36	48.07	17.21	108.00	59.93	286	339	Vertical
4	5899.95	47.51	17.11	86.84	39.33	226	16	Vertical
5	5939.18	48.01	17.71	68.30	20.29	154	266	Vertical

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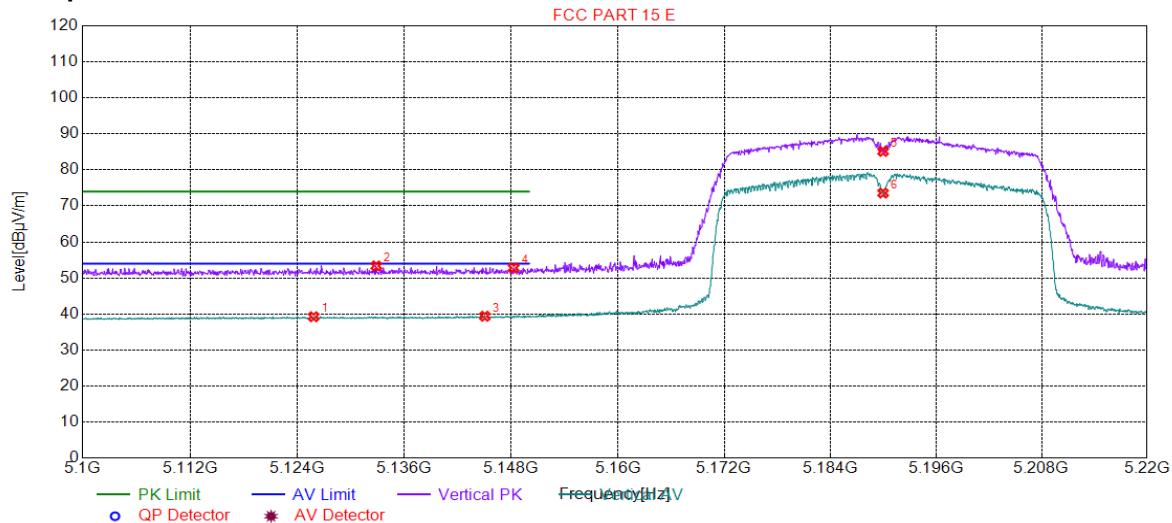
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**4.10.1.34 11AC40\_38 ANT 1****Test Graph****Suspected List**

<b>Suspected List</b>								
NO.	Freq. [MHz]	Level [dB $\mu$ V/m]	Factor [dB]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5123.77	53.29	15.29	74.00	20.71	110	336	Horizontal
2	5132.53	39.68	15.37	54.00	14.32	202	346	Horizontal
3	5146.76	40.52	15.49	54.00	13.48	105	336	Horizontal
4	5148.86	54.88	15.51	74.00	19.12	144	346	Horizontal
5	5190.00	90.70	15.58	0.00	-90.70	104	2	Horizontal
6	5190.00	79.37	15.58	0.00	-79.37	221	346	Horizontal

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**Test Graph****Suspected List**

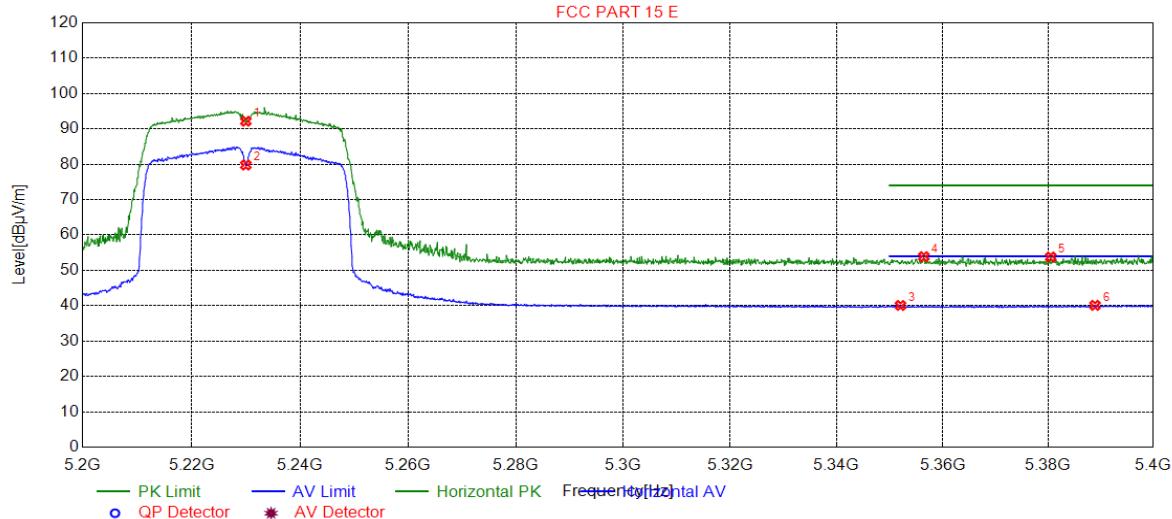
<b>Suspected List</b>									
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	5125.81	39.24	15.31	54.00	14.76	241	260	Vertical	
2	5132.83	53.35	15.37	74.00	20.65	254	29	Vertical	
3	5145.02	39.37	15.48	54.00	14.63	178	260	Vertical	
4	5148.26	52.79	15.51	74.00	21.21	247	188	Vertical	
5	5190.00	85.15	15.58	0.00	-85.15	288	95	Vertical	
6	5190.00	73.57	15.58	0.00	-73.57	290	266	Vertical	

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4.10.1.35 11AC40\_46 ANT 1

# Test Graph



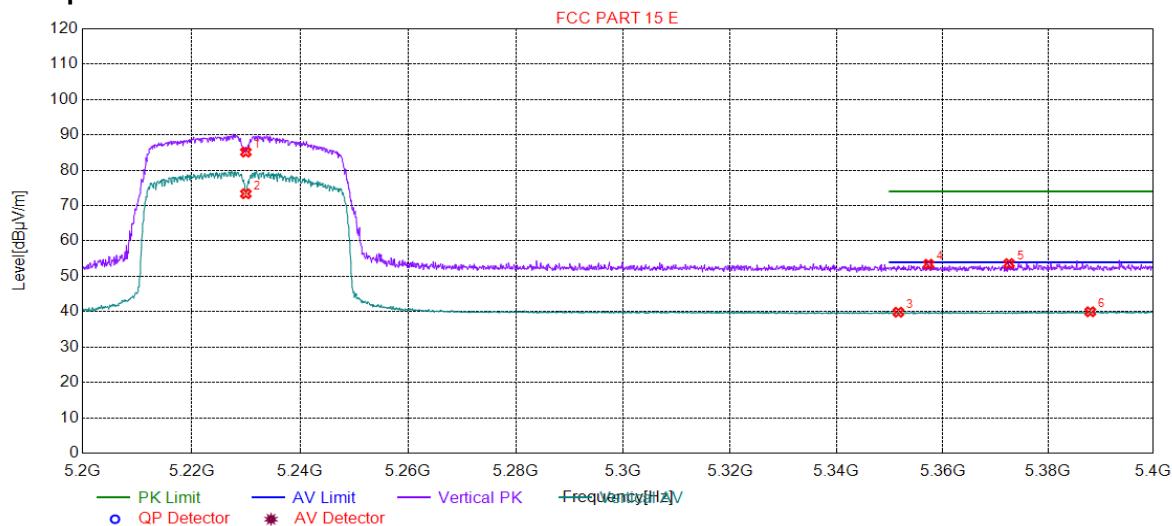
## Suspected List

## Suspected List

NO.	Freq. [MHz]	Level [dB $\mu$ V/m]	Factor [dB]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5230.00	92.16	15.51	0.00	-92.16	164	338	Horizontal
2	5230.00	79.78	15.51	0.00	-79.78	162	2	Horizontal
3	5352.07	40.08	15.95	54.00	13.92	118	331	Horizontal
4	5356.47	53.87	15.98	74.00	20.13	223	76	Horizontal
5	5380.49	53.78	16.13	74.00	20.22	105	36	Horizontal
6	5388.89	40.11	16.18	54.00	13.89	110	56	Horizontal

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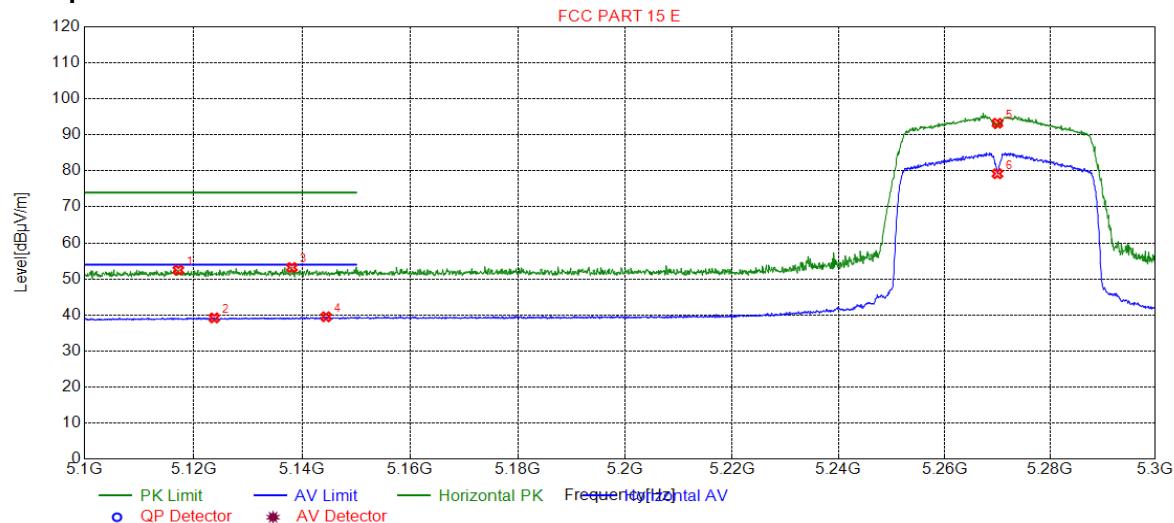


**Test Graph****Suspected List**

<b>Suspected List</b>									
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	5230.00	85.13	15.51	0.00	-85.13	249	262	Vertical	
2	5230.00	73.35	15.51	0.00	-73.35	209	255	Vertical	
3	5351.67	39.86	15.95	54.00	14.14	296	248	Vertical	
4	5357.37	53.43	15.99	74.00	20.57	252	241	Vertical	
5	5372.58	53.61	16.08	74.00	20.39	168	214	Vertical	
6	5387.99	39.98	16.18	54.00	14.02	215	16	Vertical	

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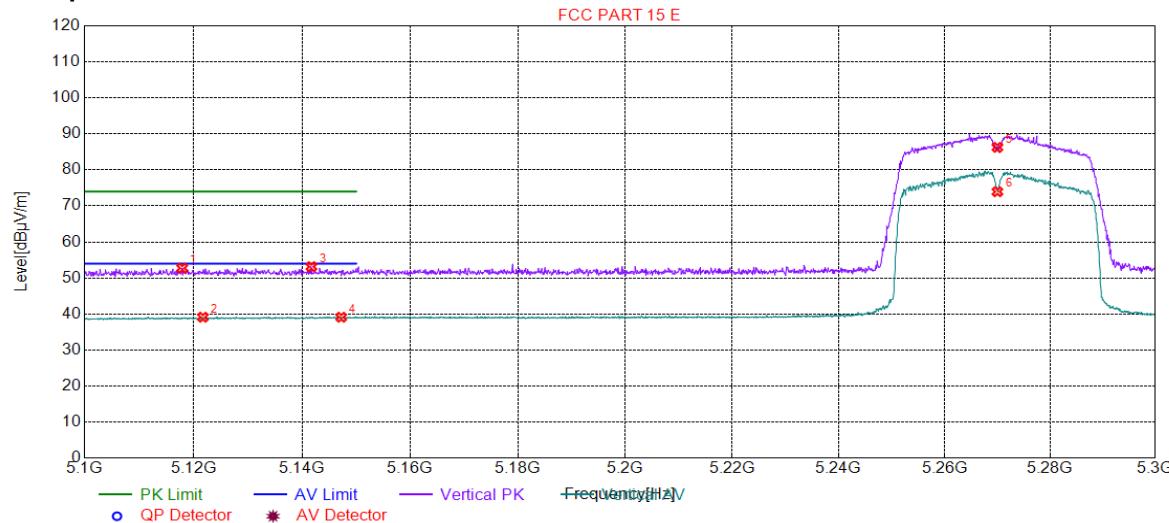
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**4.10.1.36 11AC40\_54 ANT 1****Test Graph****Suspected List**

<b>Suspected List</b>								
NO.	Freq. [MHz]	Level [dB $\mu$ V/m]	Factor [dB]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5117.20	52.45	15.24	74.00	21.55	190	48	Horizontal
2	5123.81	39.20	15.29	54.00	14.80	174	344	Horizontal
3	5138.11	53.18	15.42	74.00	20.82	198	144	Horizontal
4	5144.42	39.50	15.47	54.00	14.50	195	338	Horizontal
5	5270.00	93.23	15.56	0.00	-93.23	126	344	Horizontal
6	5270.00	79.21	15.56	0.00	-79.21	106	344	Horizontal

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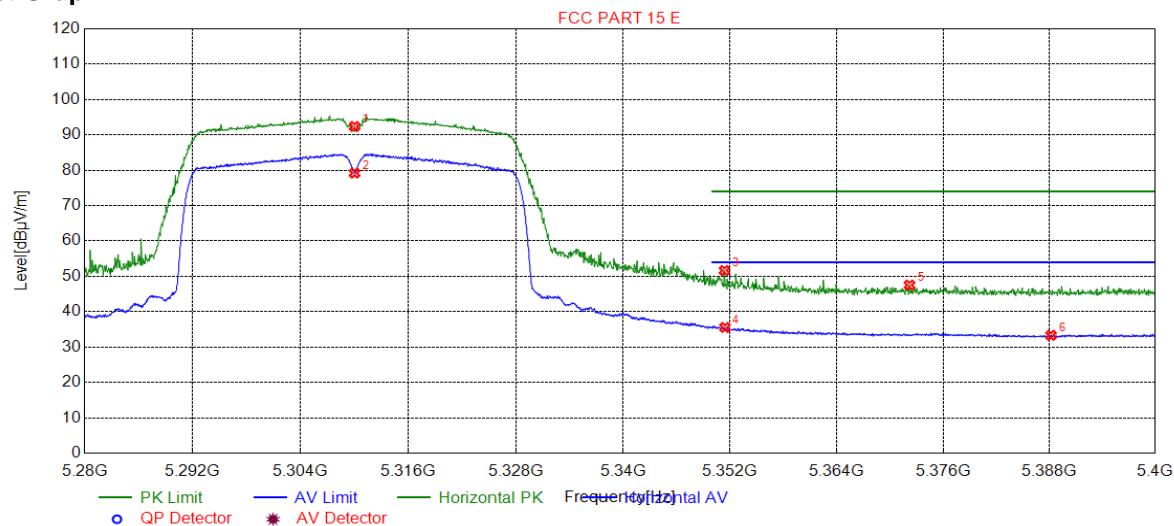
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**Test Graph****Suspected List**

<b>Suspected List</b>									
NO.	Freq. [MHz]	Level [dB $\mu$ V/m]	Factor [dB]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	5117.90	52.72	15.24	74.00	21.28	153	194	Vertical	
2	5121.71	39.11	15.28	54.00	14.89	229	332	Vertical	
3	5141.72	53.14	15.45	74.00	20.86	191	256	Vertical	
4	5147.22	39.11	15.50	54.00	14.89	155	28	Vertical	
5	5270.00	86.26	15.56	0.00	-86.26	155	236	Vertical	
6	5270.00	73.94	15.56	0.00	-73.94	236	256	Vertical	

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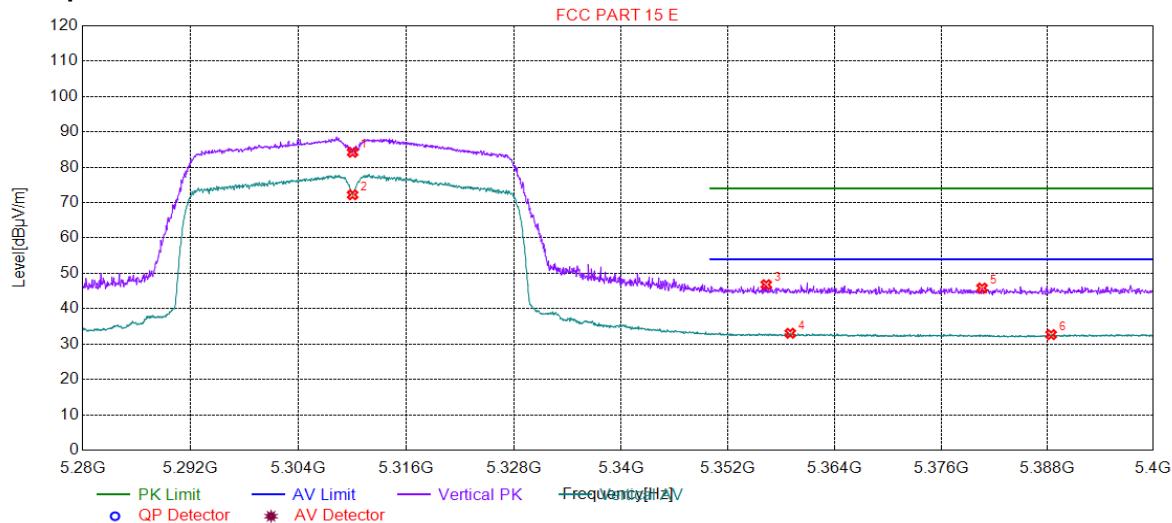
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**4.10.1.37 11AC40\_62 ANT 1****Test Graph****Suspected List**

<b>Suspected List</b>								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5310.00	92.38	15.75	0.00	-92.38	142	344	Horizontal
2	5310.00	79.20	15.75	0.00	-79.20	177	344	Horizontal
3	5351.37	51.66	15.95	74.00	22.34	141	344	Horizontal
4	5351.43	35.55	15.95	54.00	18.45	157	344	Horizontal
5	5372.20	47.54	16.08	74.00	26.46	221	2	Horizontal
6	5388.17	33.33	16.18	54.00	20.67	135	338	Horizontal

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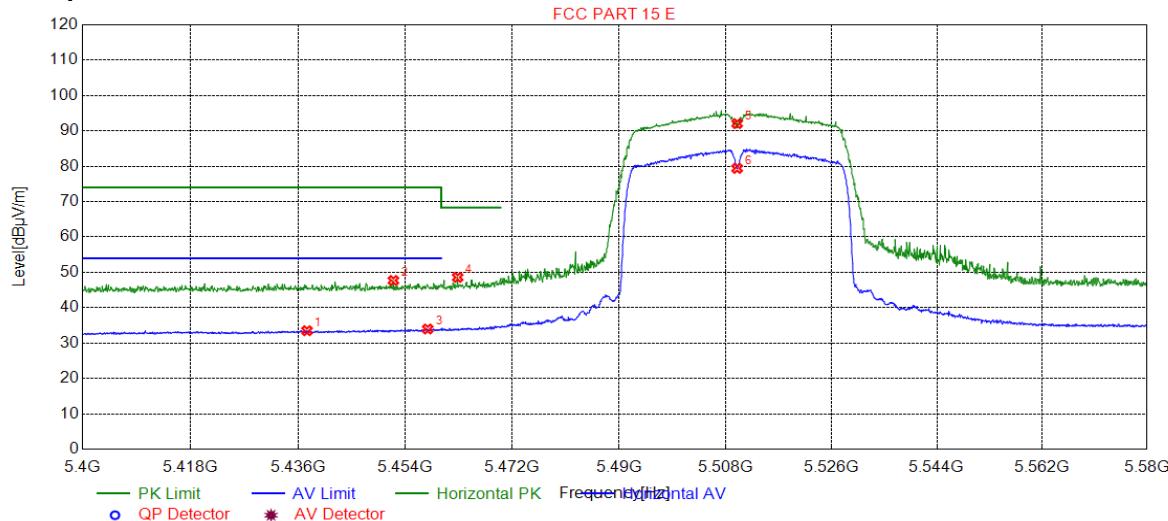
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**Test Graph****Suspected List**

<b>Suspected List</b>									
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	5310.00	84.22	15.75	0.00	-84.22	204	236	Vertical	
2	5310.00	72.21	15.75	0.00	-72.21	252	56	Vertical	
3	5356.29	46.81	15.98	74.00	27.19	196	249	Vertical	
4	5358.99	33.06	16.00	54.00	20.94	209	111	Vertical	
5	5380.61	45.86	16.13	74.00	28.14	297	56	Vertical	
6	5388.41	32.68	16.18	54.00	21.32	175	221	Vertical	

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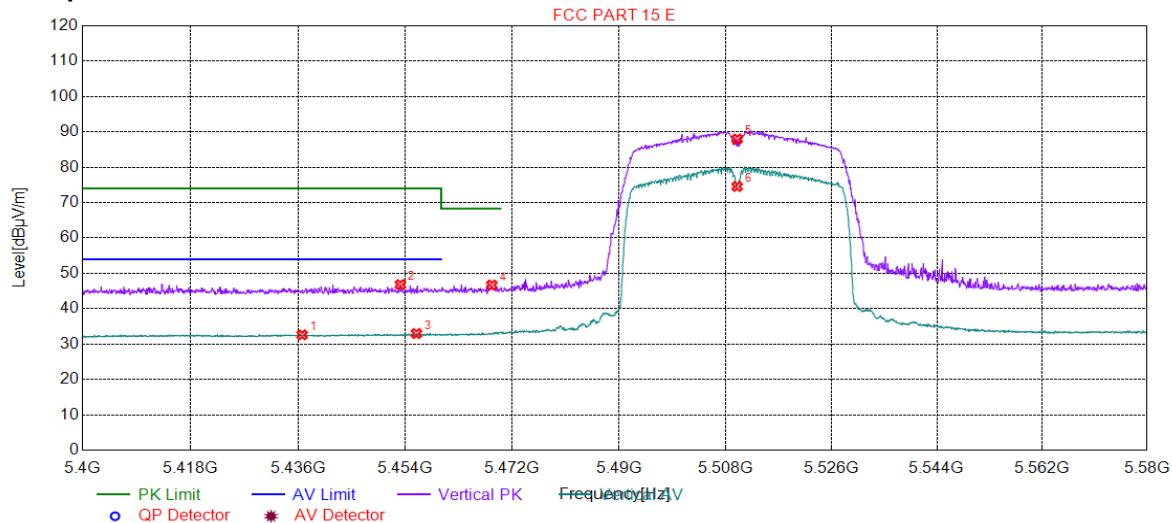
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**4.10.1.38 11AC40\_102 ANT 1****Test Graph****Suspected List**

<b>Suspected List</b>								
NO.	Freq. [MHz]	Level [dB $\mu$ V/m]	Factor [dB]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5437.45	33.50	16.25	54.00	20.50	186	338	Horizontal
2	5451.95	47.70	16.25	74.00	26.30	117	344	Horizontal
3	5457.71	33.99	16.25	54.00	20.01	153	331	Horizontal
4	5462.76	48.59	16.25	68.30	19.71	106	0	Horizontal
5	5510.00	92.07	16.28	0.00	-92.07	186	324	Horizontal
6	5510.00	79.40	16.28	0.00	-79.40	232	331	Horizontal

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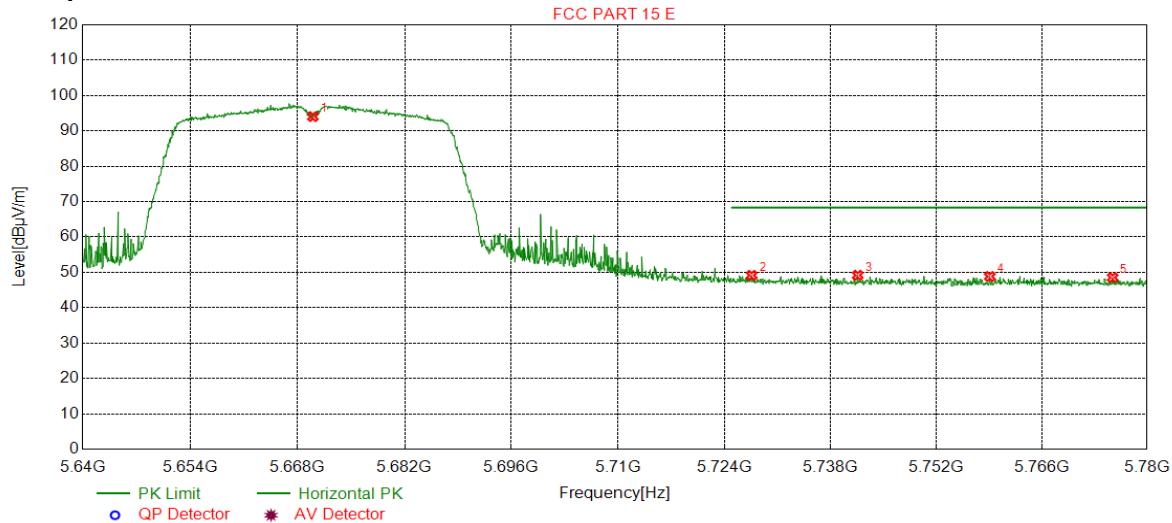
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**Test Graph****Suspected List**

<b>Suspected List</b>									
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	5436.64	32.62	16.25	54.00	21.38	188	62	Vertical	
2	5453.12	46.83	16.25	74.00	27.17	274	42	Vertical	
3	5455.82	32.99	16.25	54.00	21.01	165	233	Vertical	
4	5468.52	46.70	16.25	68.30	21.60	200	254	Vertical	
5	5510.00	88.00	16.28	0.00	-88.00	241	233	Vertical	
6	5510.00	74.55	16.28	0.00	-74.55	211	226	Vertical	

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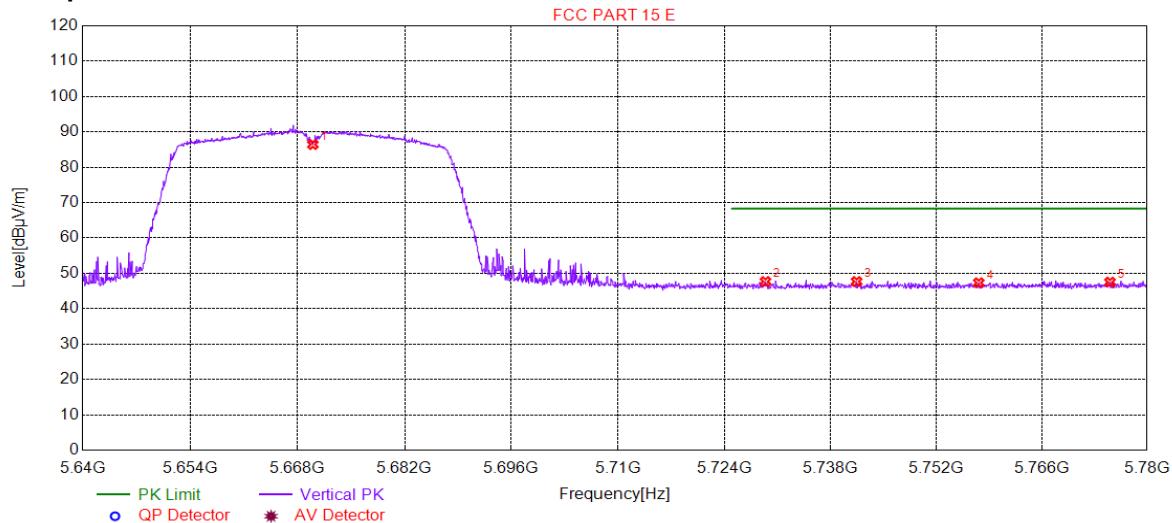
**4.10.1.39 11AC40\_134 ANT 1****Test Graph****Suspected List**

<b>Suspected List</b>								
NO.	Freq. [MHz]	Level [dB $\mu$ V/m]	Factor [dB]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5670.00	94.03	16.64	0.00	-94.03	157	335	Horizontal
2	5727.61	49.16	16.98	68.30	19.14	242	5	Horizontal
3	5741.62	49.18	17.07	68.30	19.12	216	5	Horizontal
4	5759.12	48.83	17.13	68.30	19.47	167	344	Horizontal
5	5775.44	48.53	17.16	68.30	19.77	128	0	Horizontal



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**Test Graph****Suspected List**

<b>Suspected List</b>									
NO.	Freq. [MHz]	Level [dB $\mu$ V/m]	Factor [dB]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	5670.00	86.43	16.64	0.00	-86.43	267	69	Vertical	
2	5729.43	47.69	16.99	68.30	20.61	236	102	Vertical	
3	5741.48	47.69	17.07	68.30	20.61	218	139	Vertical	
4	5757.65	47.34	17.13	68.30	20.96	292	199	Vertical	
5	5775.09	47.52	17.16	68.30	20.78	299	121	Vertical	

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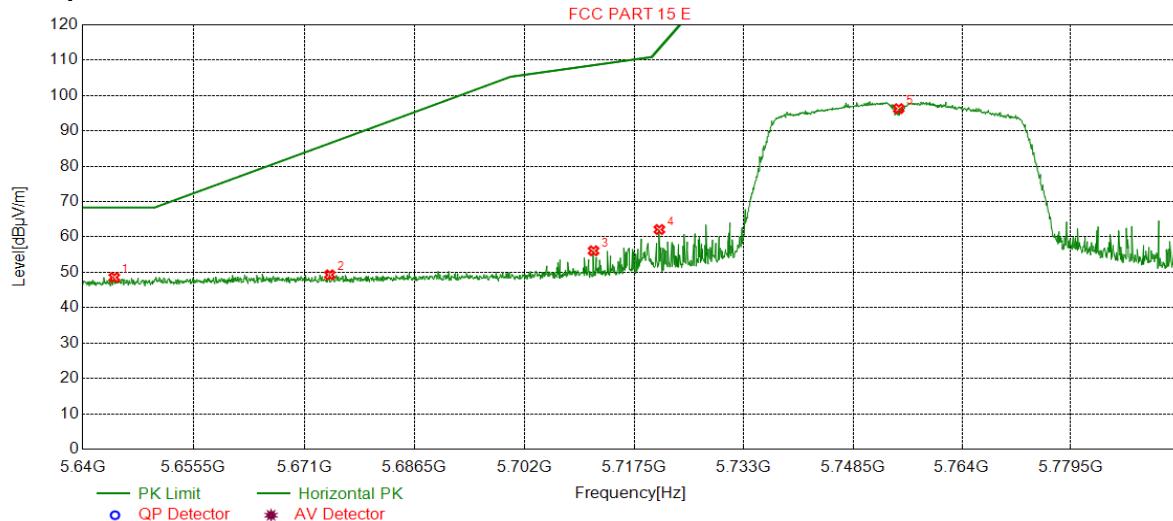
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4.10.1.40 11AC40\_151 ANT 1

## Test Graph



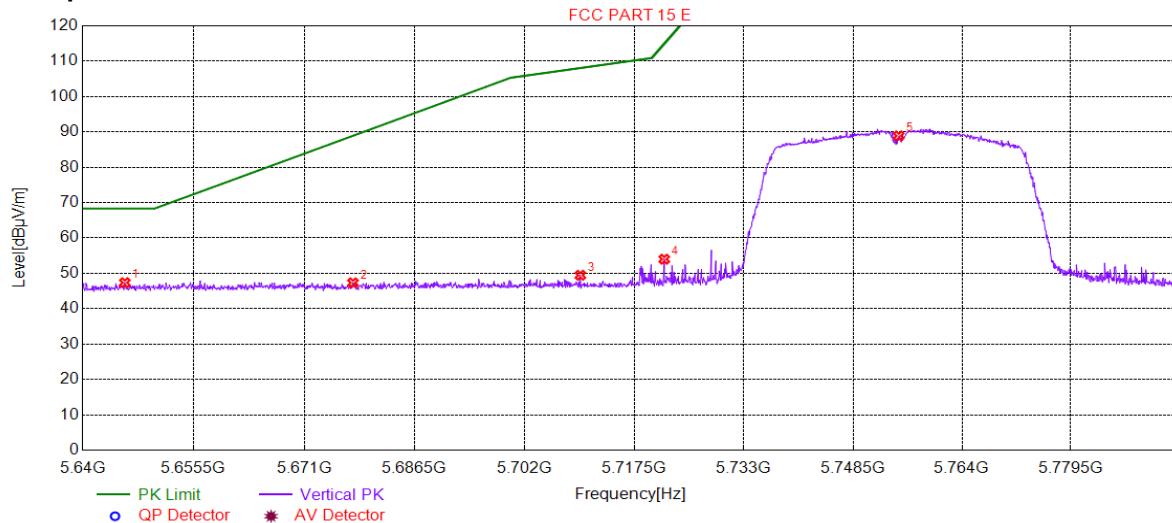
## Suspected List

## **Suspected List**

NO.	Freq. [MHz]	Level [dB $\mu$ V/m]	Factor [dB]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5644.41	48.57	16.54	68.30	19.73	159	72	Horizontal
2	5674.58	49.30	16.66	86.49	37.19	148	86	Horizontal
3	5711.72	56.10	16.88	108.58	52.48	215	340	Horizontal
4	5721.02	62.11	16.93	113.24	51.13	230	8	Horizontal
5	5755.00	96.28	17.13	0.00	-96.28	244	4	Horizontal

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**Test Graph****Suspected List**

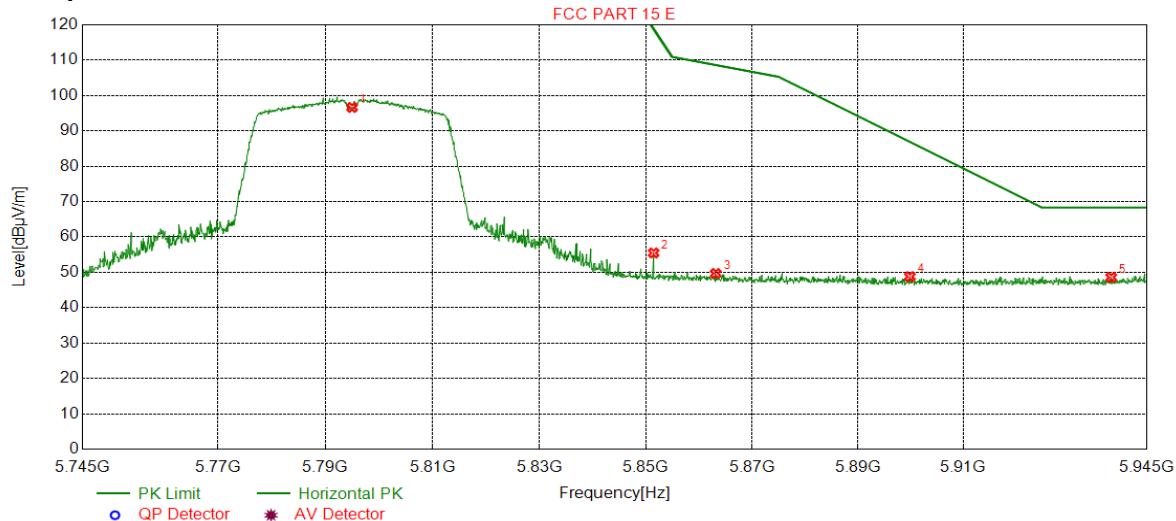
<b>Suspected List</b>									
NO.	Freq. [MHz]	Level [dB $\mu$ V/m]	Factor [dB]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	5645.89	47.37	16.53	68.30	20.93	208	319	Vertical	
2	5677.83	47.32	16.68	88.90	41.58	224	195	Vertical	
3	5709.86	49.46	16.86	108.06	58.60	196	213	Vertical	
4	5721.72	54.01	16.94	114.83	60.82	259	93	Vertical	
5	5755.00	88.87	17.13	0.00	-88.87	279	79	Vertical	

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4.10.1.41 11AC40\_159 ANT 1

## Test Graph



## Suspected List

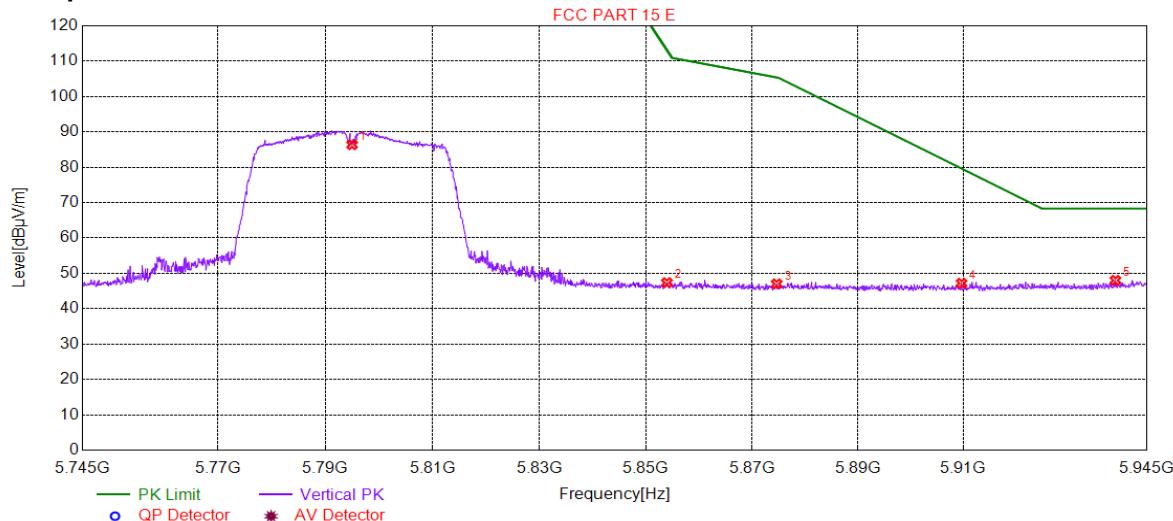
## **Suspected List**

NO.	Freq. [MHz]	Level [dB $\mu$ V/m]	Factor [dB]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5795.00	96.63	17.18	0.00	-96.63	214	18	Horizontal
2	5851.45	55.49	17.26	118.99	63.50	131	0	Horizontal
3	5863.15	49.69	17.22	108.62	58.93	118	27	Horizontal
4	5899.87	48.79	17.11	86.89	38.10	205	77	Horizontal
5	5938.19	48.59	17.70	68.30	19.71	135	13	Horizontal

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**Test Graph****Suspected List**

<b>Suspected List</b>									
NO.	Freq. [MHz]	Level [dB $\mu$ V/m]	Factor [dB]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	5795.00	86.38	17.18	0.00	-86.38	243	130	Vertical	
2	5853.95	47.37	17.25	113.28	65.91	264	240	Vertical	
3	5874.66	47.03	17.19	105.39	58.36	170	57	Vertical	
4	5909.68	47.20	17.26	79.64	32.44	288	198	Vertical	
5	5938.99	48.02	17.71	68.30	20.28	175	67	Vertical	

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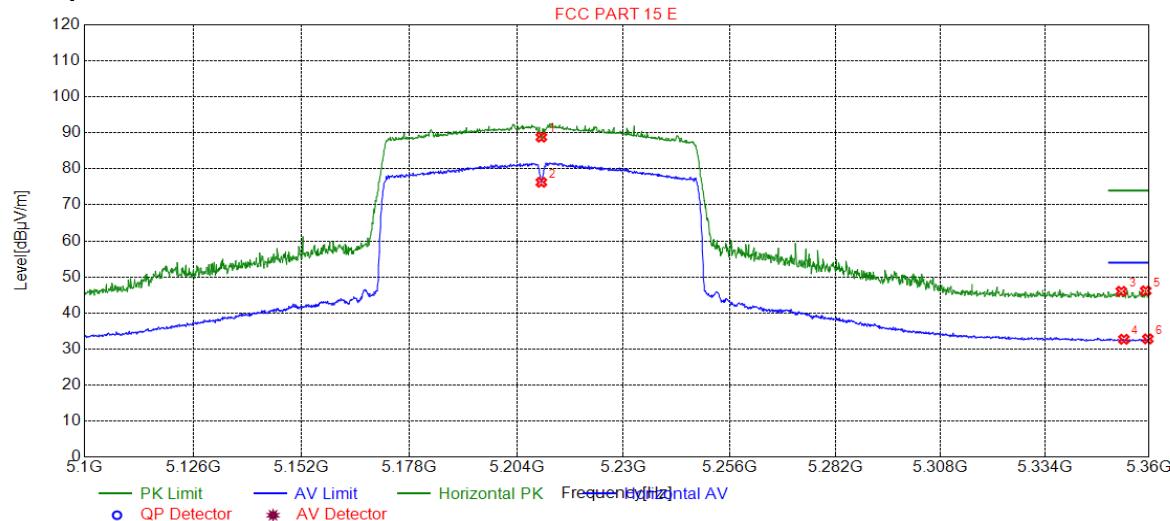
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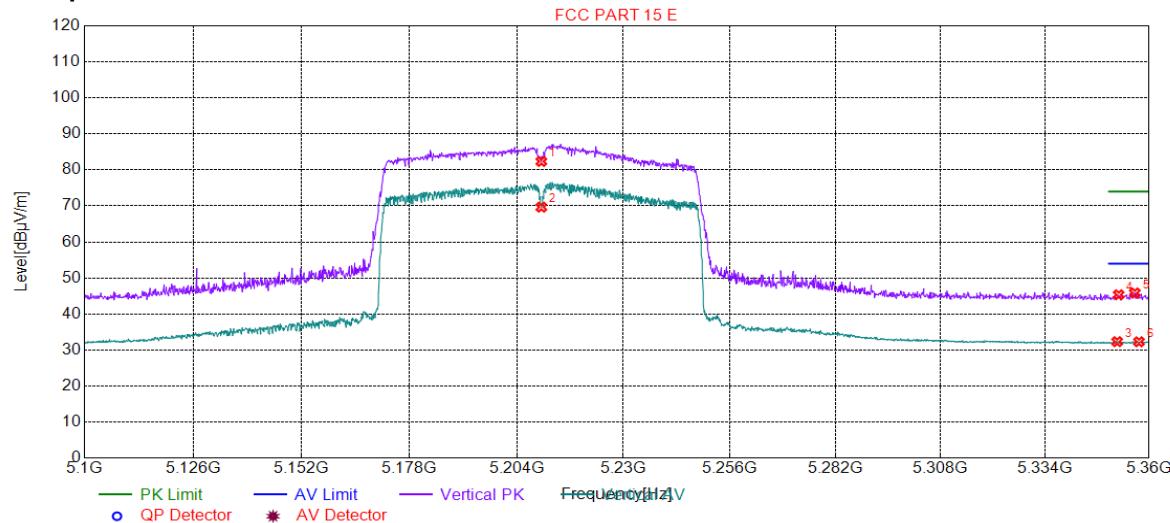
邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

**4.10.1.42 11AC80\_42 ANT 1****Test Graph****Suspected List**

<b>Suspected List</b>								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5210.00	88.81	15.56	0.00	-88.81	101	324	Horizontal
2	5210.00	76.28	15.56	0.00	-76.28	144	344	Horizontal
3	5353.10	46.02	15.96	74.00	27.98	231	19	Horizontal
4	5353.75	32.71	15.96	54.00	21.29	217	6	Horizontal
5	5359.21	46.14	16.00	74.00	27.86	129	303	Horizontal
6	5359.73	32.81	16.00	54.00	21.19	118	324	Horizontal

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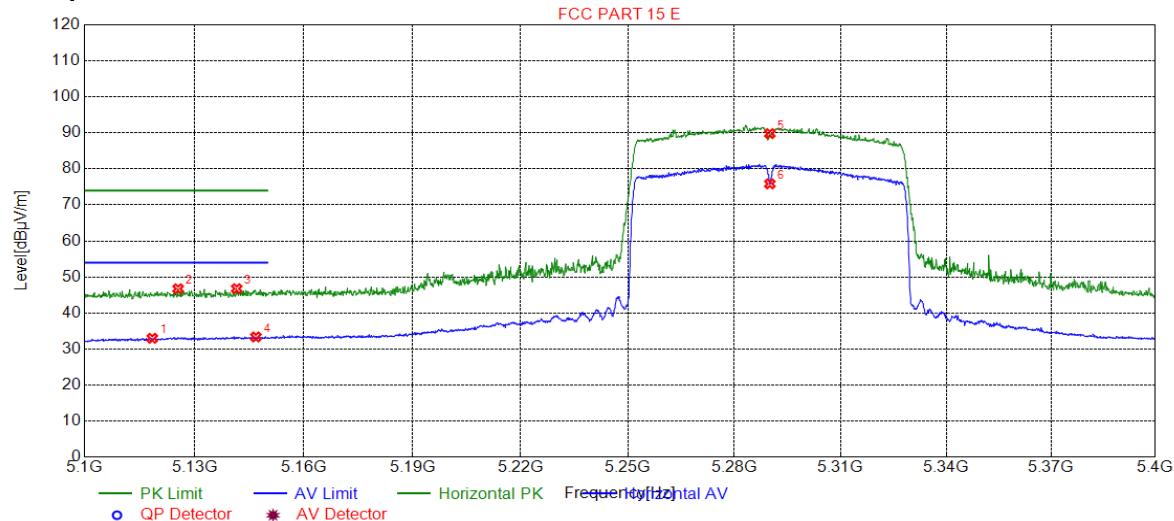
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**Test Graph****Suspected List**

<b>Suspected List</b>									
NO.	Freq. [MHz]	Level [dB $\mu$ V/m]	Factor [dB]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	5210.00	82.34	15.56	0.00	-82.34	211	262	Vertical	
2	5210.00	69.66	15.56	0.00	-69.66	204	255	Vertical	
3	5352.06	32.32	15.95	54.00	21.68	211	268	Vertical	
4	5352.45	45.34	15.96	74.00	28.66	268	131	Vertical	
5	5356.48	45.85	15.98	74.00	28.15	166	111	Vertical	
6	5357.52	32.29	15.99	54.00	21.71	158	262	Vertical	

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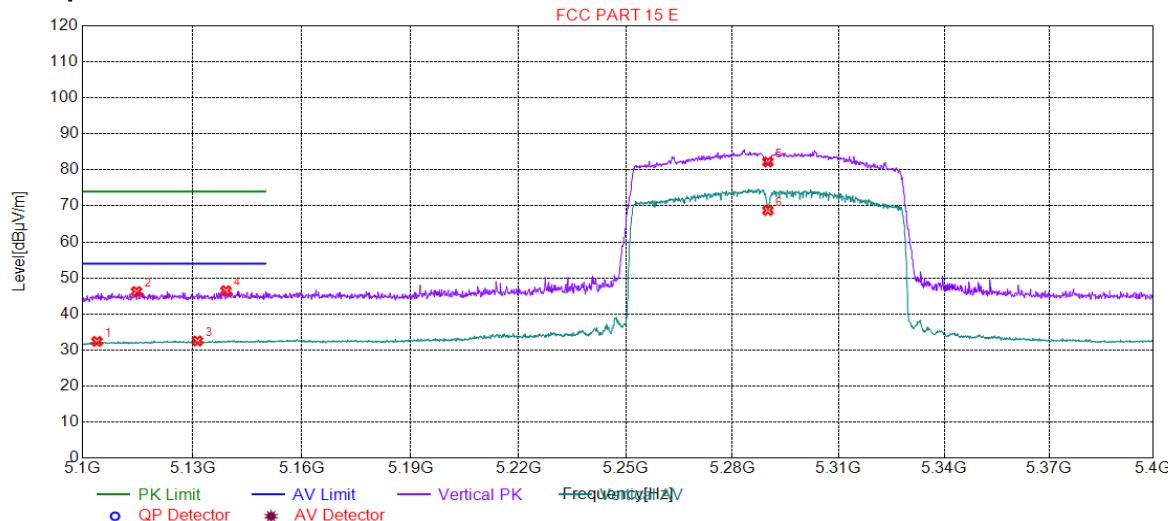
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**4.10.1.43 11AC80\_58 ANT 1****Test Graph****Suspected List**

<b>Suspected List</b>								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5118.45	32.98	15.25	54.00	21.02	106	344	Horizontal
2	5125.51	46.73	15.31	74.00	27.27	107	338	Horizontal
3	5141.57	46.75	15.45	74.00	27.25	238	5	Horizontal
4	5146.82	33.35	15.49	54.00	20.65	159	344	Horizontal
5	5290.00	89.80	15.65	0.00	-89.80	210	344	Horizontal
6	5290.00	75.85	15.65	0.00	-75.85	155	338	Horizontal

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**Test Graph****Suspected List**

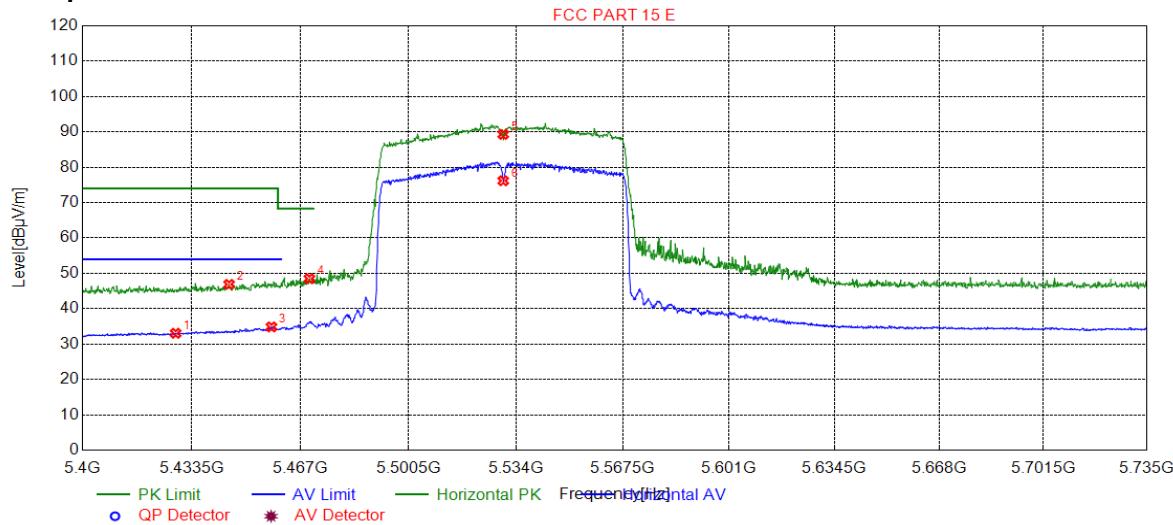
<b>Suspected List</b>									
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	5103.90	32.39	15.12	54.00	21.61	211	256	Vertical	
2	5114.70	46.24	15.22	74.00	27.76	294	49	Vertical	
3	5131.36	32.51	15.36	54.00	21.49	172	208	Vertical	
4	5139.16	46.48	15.43	74.00	27.52	166	276	Vertical	
5	5290.00	82.20	15.65	0.00	-82.20	278	235	Vertical	
6	5290.00	68.77	15.65	0.00	-68.77	214	42	Vertical	

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## 4.10.1.44 11AC80\_106 ANT 1

## Test Graph

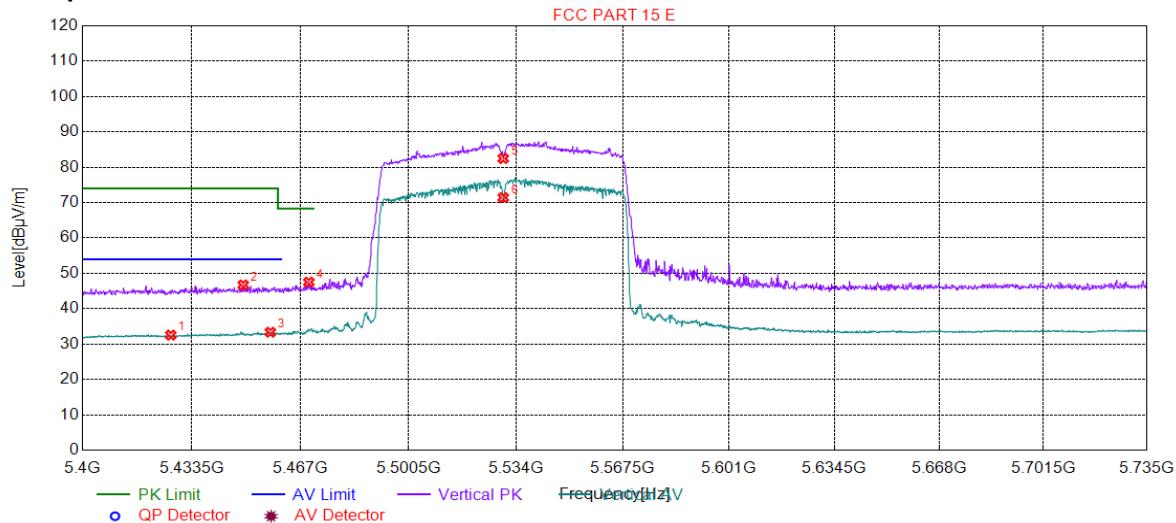


## Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dB $\mu$ V/m]	Factor [dB]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5428.48	33.06	16.25	54.00	20.94	192	7	Horizontal
2	5444.91	46.88	16.25	74.00	27.12	212	338	Horizontal
3	5457.98	34.86	16.25	54.00	19.14	115	331	Horizontal
4	5469.71	48.49	16.25	68.30	19.81	121	325	Horizontal
5	5530.00	89.30	16.35	0.00	-89.30	166	338	Horizontal
6	5530.00	76.18	16.35	0.00	-76.18	160	331	Horizontal

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**Test Graph****Suspected List**

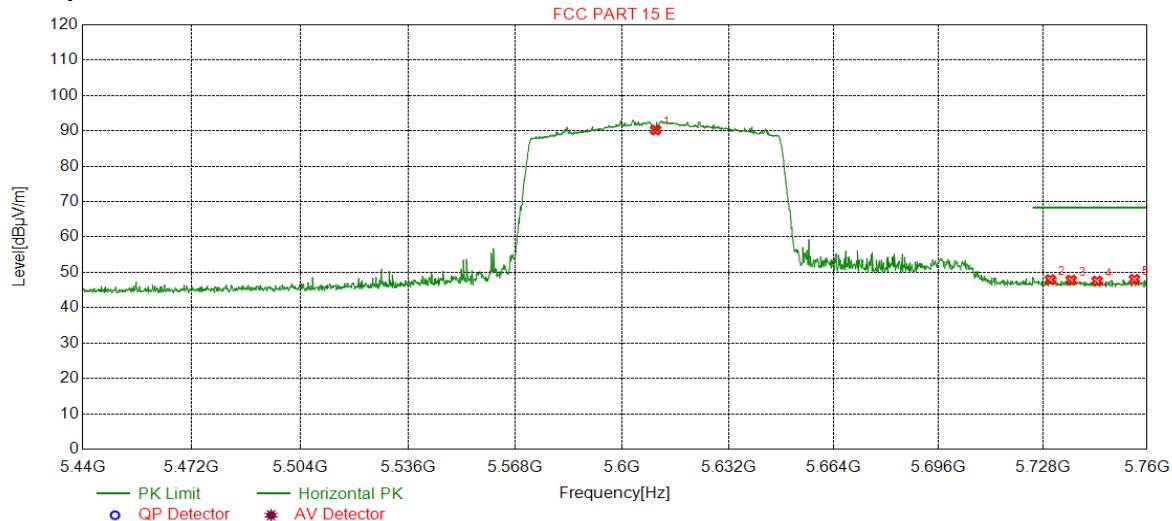
<b>Suspected List</b>									
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	5426.98	32.54	16.25	54.00	21.46	274	118	Vertical	
2	5449.26	46.72	16.25	74.00	27.28	281	228	Vertical	
3	5457.64	33.36	16.25	54.00	20.64	240	57	Vertical	
4	5469.54	47.53	16.25	68.30	20.77	221	234	Vertical	
5	5530.00	82.47	16.35	0.00	-82.47	248	228	Vertical	
6	5530.00	71.43	16.35	0.00	-71.43	163	64	Vertical	

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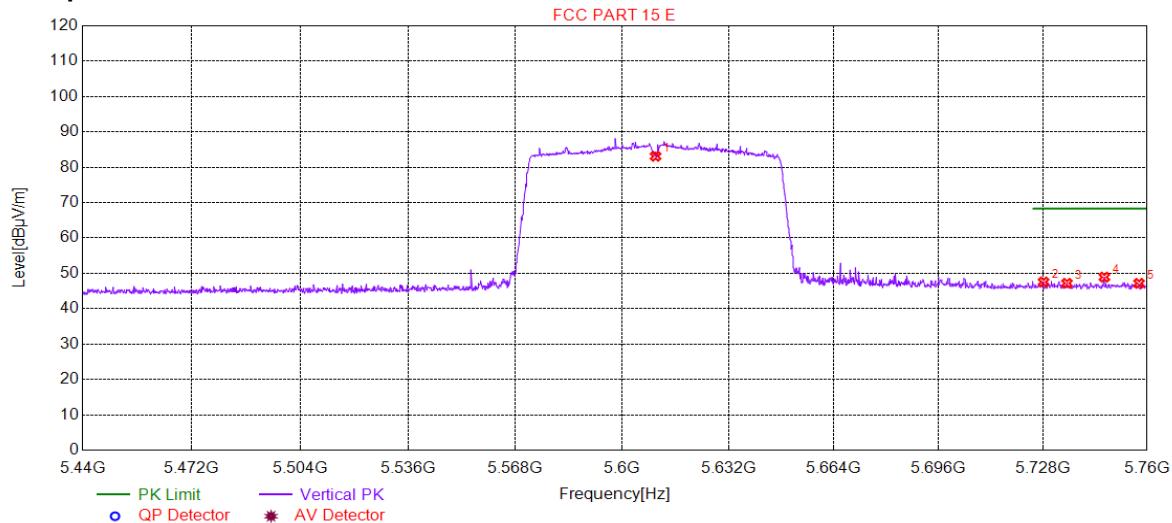
**4.10.1.45 11AC80\_122 ANT 1****Test Graph****Suspected List**

<b>Suspected List</b>								
NO.	Freq. [MHz]	Level [dB $\mu$ V/m]	Factor [dB]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5610.00	90.24	16.58	0.00	-90.24	116	336	Horizontal
2	5730.22	47.96	16.99	68.30	20.34	245	331	Horizontal
3	5736.62	47.82	17.03	68.30	20.48	238	17	Horizontal
4	5744.63	47.55	17.09	68.30	20.75	125	1	Horizontal
5	5756.15	48.05	17.13	68.30	20.25	131	285	Horizontal



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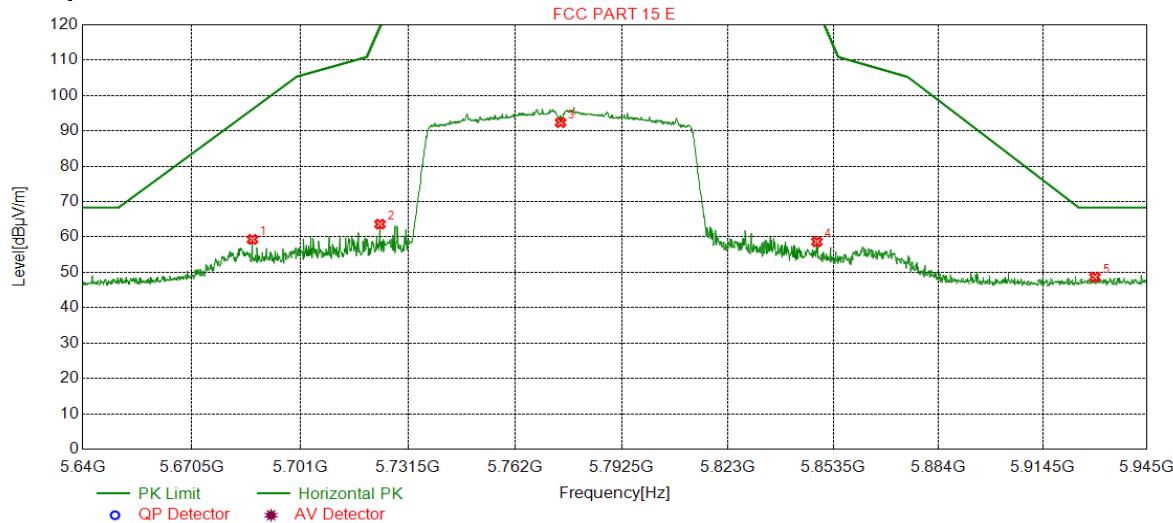
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**Test Graph****Suspected List**

<b>Suspected List</b>									
NO.	Freq. [MHz]	Level [dB $\mu$ V/m]	Factor [dB]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	5610.00	83.11	16.58	0.00	-83.11	184	70	Vertical	
2	5728.14	47.56	16.98	68.30	20.74	248	334	Vertical	
3	5735.34	47.19	17.03	68.30	21.11	161	16	Vertical	
4	5746.87	48.93	17.10	68.30	19.37	246	339	Vertical	
5	5757.59	47.17	17.13	68.30	21.13	223	16	Vertical	

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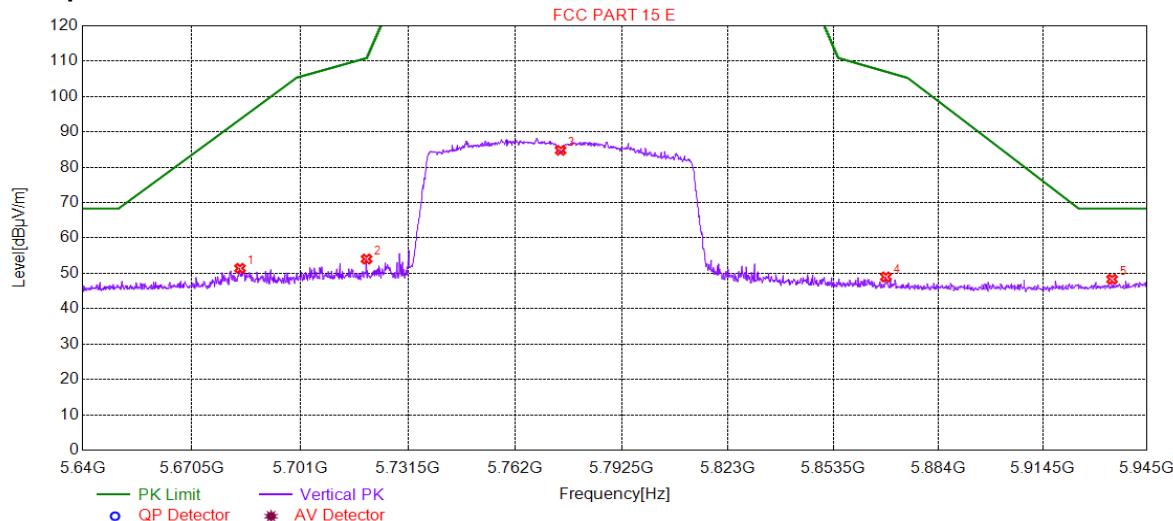
**4.10.1.46 11AC80\_155 ANT 1****Test Graph****Suspected List**

<b>Suspected List</b>								
NO.	Freq. [MHz]	Level [dB $\mu$ V/m]	Factor [dB]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5687.60	59.32	16.73	96.13	36.81	241	344	Horizontal
2	5723.61	63.62	16.95	119.13	55.51	218	0	Horizontal
3	5775.00	92.36	17.16	122.30	29.94	237	7	Horizontal
4	5848.72	58.65	17.26	122.30	63.65	128	21	Horizontal
5	5929.74	48.68	17.57	68.30	19.62	165	0	Horizontal

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**Test Graph****Suspected List**

<b>Suspected List</b>									
NO.	Freq. [MHz]	Level [dB $\mu$ V/m]	Factor [dB]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	5684.09	51.42	16.71	93.53	42.11	211	66	Vertical	
2	5719.79	54.05	16.93	110.84	56.79	266	209	Vertical	
3	5775.00	84.79	17.16	122.30	37.51	298	108	Vertical	
4	5868.71	48.98	17.20	107.06	58.08	150	104	Vertical	
5	5934.77	48.33	17.65	68.30	19.97	212	228	Vertical	

**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)	5180.004921	5825.007955
V max(V)	5180.012335	5825.008627
V min(V)	5180.009081	5825.006371
Max. Deviation Frequency	0.012335	0.008627
Max. Frequency Error (ppm)	2.381351	1.480957

### 4.11.2 Frequency Error vs. Temperature:

Test Conditions(°C)	Measured Frequency ( MHz )	
	5180	5825
-5	5180.006314	5825.009856
5	5180.007751	5825.002400
15	5180.007733	5825.010544
25	5180.013151	5825.015275
35	5180.012867	5825.022038
45	5180.011759	5825.002795
50	5180.003918	5824.998131
Max. Deviation Frequency	0.013151	0.022038
Max. Frequency Error (ppm)	2.538894	3.783428

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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**

<b>Requirement</b>	<b>Operational Mode</b>		
	<b>Master</b>	<b>Client Without Radar Detection</b>	<b>Client With Radar Detection</b>
<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**

<b>Requirement</b>	<b>Operational Mode</b>	
	<b>Master Device or Client with Radar Detection</b>	<b>Client Without Radar Detection</b>
<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

**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.

**Note 3:** 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:** *Channel Move Time* and the *Channel Closing Transmission Time* should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

**Note 2:** The *Channel Closing Transmission Time* is comprised of 200 milliseconds starting at the beginning of the *Channel Move Time* plus any additional intermittent control signals required to facilitate a *Channel move* (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

**Note 3:** During the *U-NII Detection Bandwidth* detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

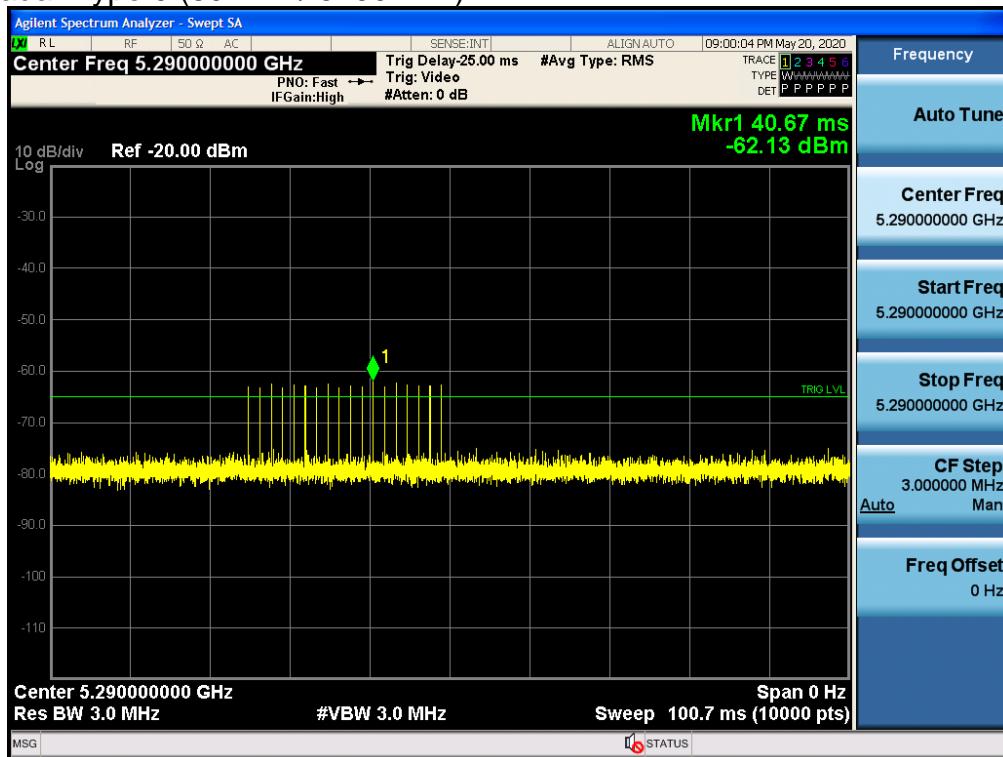
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#### 4.12.4 Test plots

#### 4.12.4.1 Radar Waveform Calibration Result

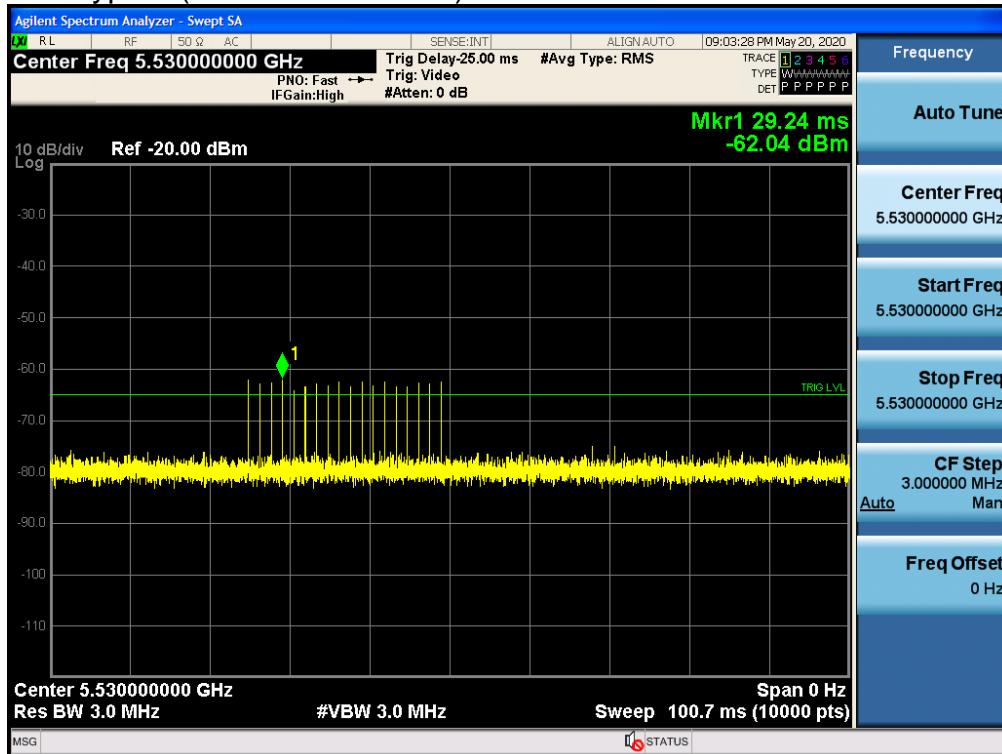
## Radar Type 0 (80MHz / 5290MHz)



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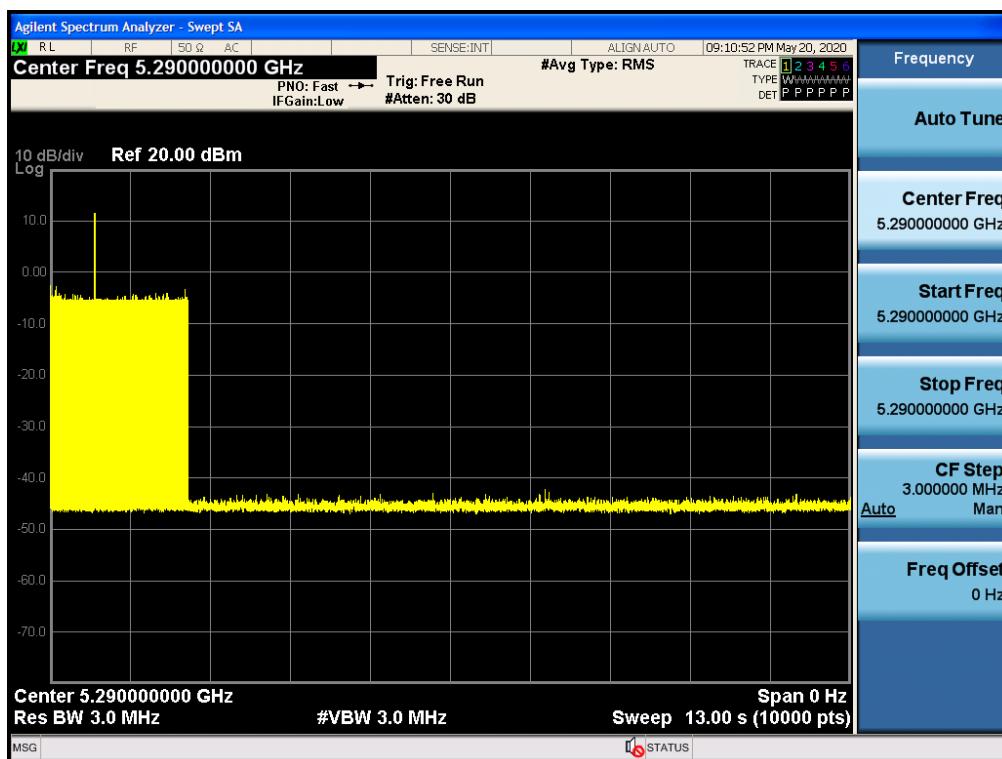
**Radar Type 0 (80MHz / 5530MHz)**

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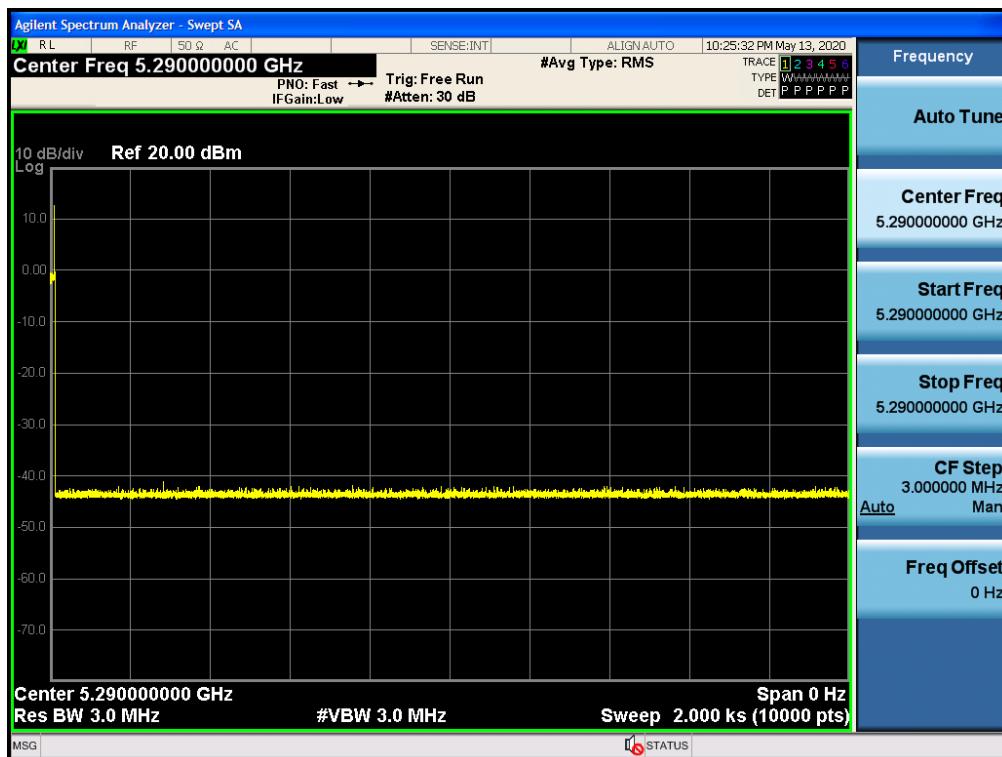
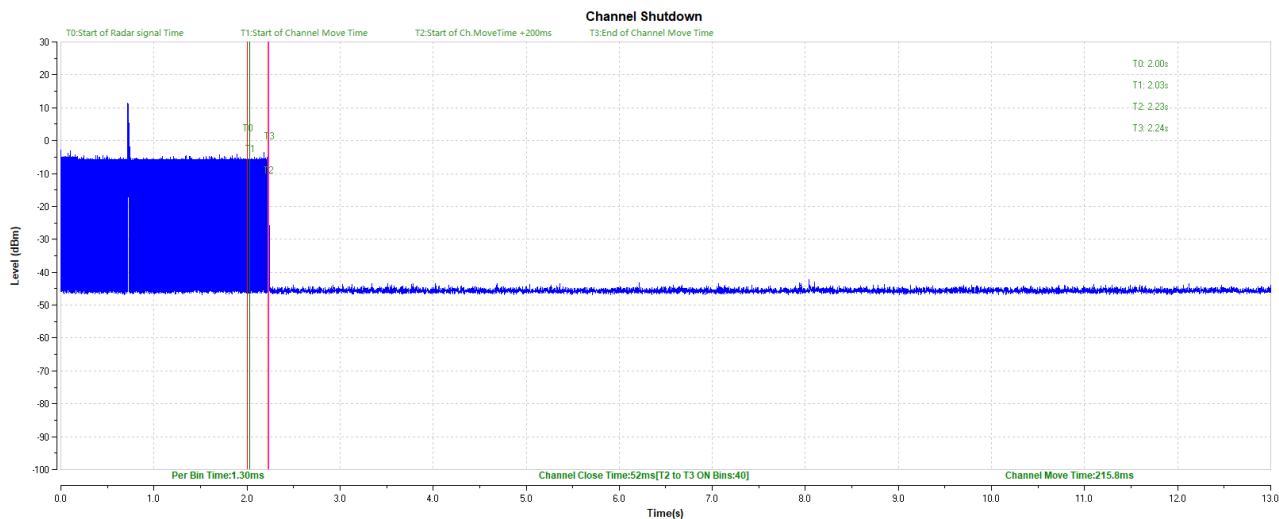
**4.12.5 Test Data:**

BW/Channel	Test Item	Test Result	Limit	Results
80MHz / 5290MHz	Channel Move Time	0s	<10s	Pass
	Channel Closing Transmission Time	52ms	<60ms	Pass
80MHz / 5530MHz	Channel Move Time	0s	<10s	Pass
	Channel Closing Transmission Time	40ms	<60ms	Pass

**4.12.5.1 Test plots****4.12.5.1.1 Test Bandwidth/Channel= 80MHz / 5290MHz**

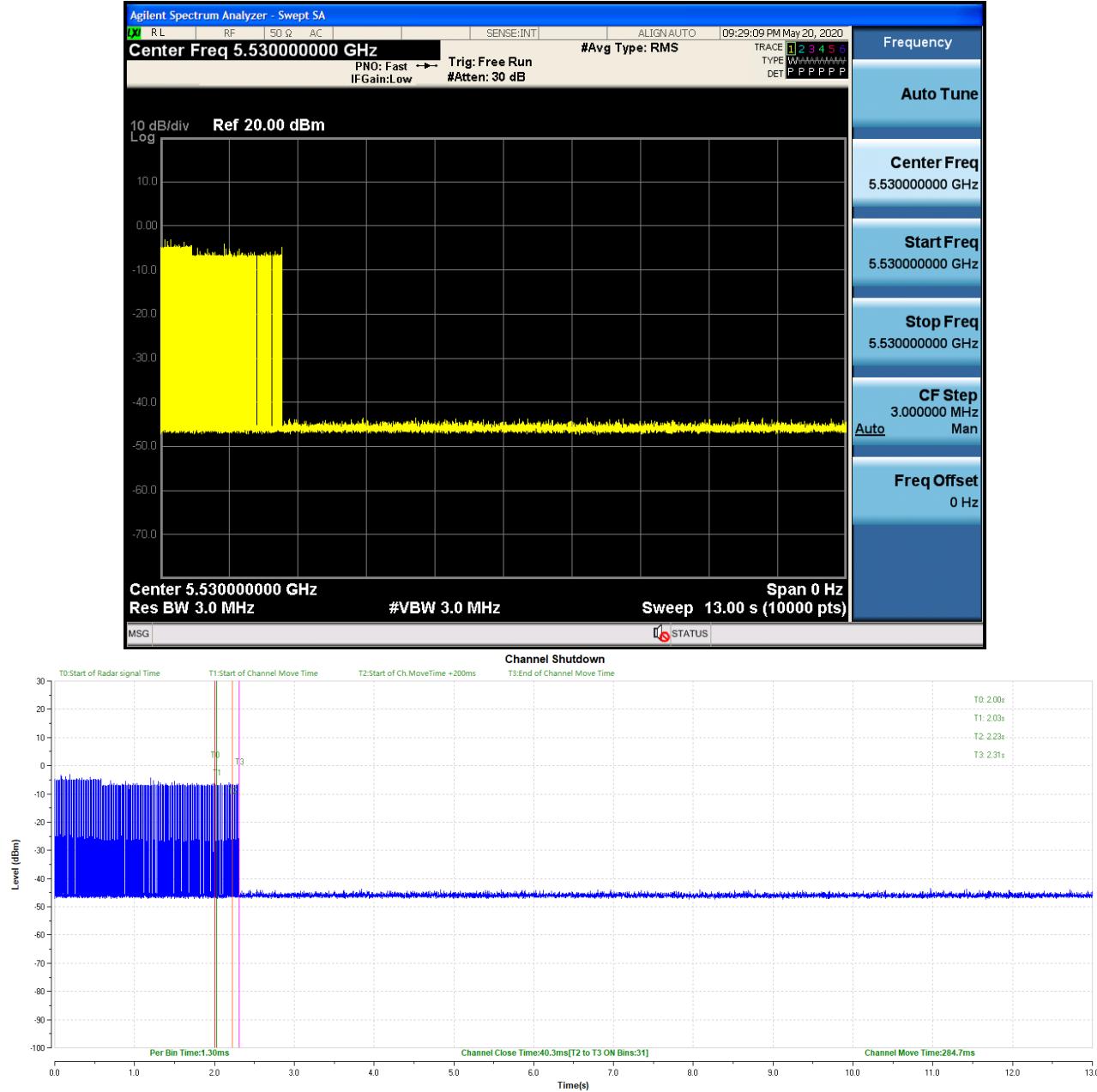
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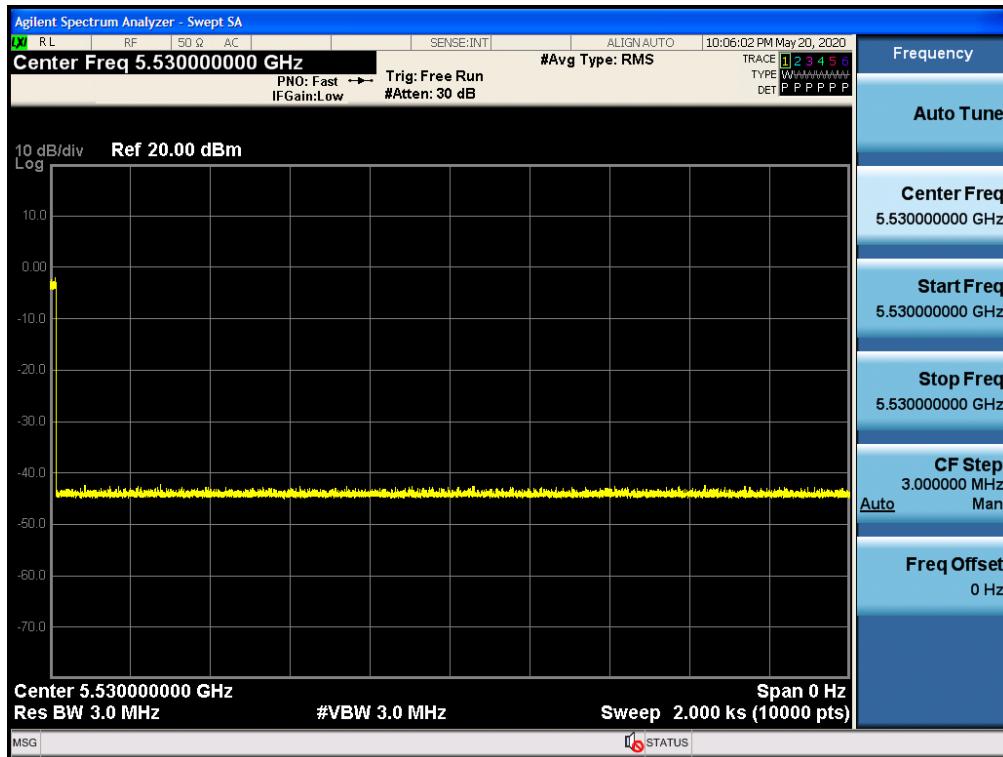
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**4.12.5.1.2 Test Bandwidth/ Channel =80MHz/5530MHz**

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

## Lab A:

No.	Item	Measurement Uncertainty
1	Total RF power, conducted	±0.75dB
2	RF power density, conducted	±2.84dB
3	Spurious emissions, conducted	±0.75dB
4	Temperature test	±1°C
5	Humidity test	±3%
6	DC and low frequency voltages	±0.5%

## Lab B:

No.	Item	Measurement Uncertainty
1	Conduction Emission	± 3.0dB (150kHz to 30MHz)
2	Radiated Emission	± 4.8dB (Below 1GHz)
		± 4.8dB (1GHz to 6GHz)
		± 4.5dB (6GHz to 18GHz)
		± 5.02dB (Above 18GHz)

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## 6 Equipment List

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	2019/7/14	2020/7/14
Signal Analyzer	Rohde & Schwarz	FSV	W025-05	2020/3/2	2021/3/1
Coaxial Cable	SGS	N/A	SEM031-01	2019/6/12	2020/6/11
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2019/7/14	2020/7/14
Temperature Chamber	GIANT FORCE	ICT-150-40-CP-AR	W027-03	2019/10/27	2020/10/27
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2019/7/14	2020/7/14
Master Device	Linksys pte.Ltd	WRT32X	FCC ID:Q87-WRT3200ACM IC ID:3839A-WRT3200ACM	N/A	N/A

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	2019-09-07	2020-09-06
Artificial network	ROHDE&SCHWARZ	ENV216	XAW01-04-01	2019-07-16	2020-07-15
Temperature and humidity meter	MingGao	TH101B	XAW01-01-01	2019-12-06	2020-12-05
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	2019-06-27	2020-06-26
Spectrum Analyzer	Keysight	N9020B	XAW01-11-03	2019-06-28	2020-06-27
Test receiver	ROHDE&SCHWARZ	ESR	XAW01-08-01	2019-09-07	2020-09-06
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	2019-11-18	2020-11-17
Amplifier	Tonscend	TAP01018048	XAW01-41-02	2019-11-18	2020-11-17
Amplifier	Tonscend	TAP18040048	XAW01-41-03	2019-12-03	2020-12-02
Amplifier	Shanghai Steed	YX28980930	XAW01-41-06	2019-12-03	2020-12-02
Temperature and humidity meter	MingGao	TH101B	XAW01-01-01	2019-12-06	2020-12-05
Measurement Software	Tonscend	TS+ RSE V3.0.0.2	XAW02-05-01	NCR	NCR

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## 7 Photographs - EUT Test Setup Details

Refer to Appendix A - Photographs of EUT Test Setup Details for ZR/2020/40002.

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The End



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