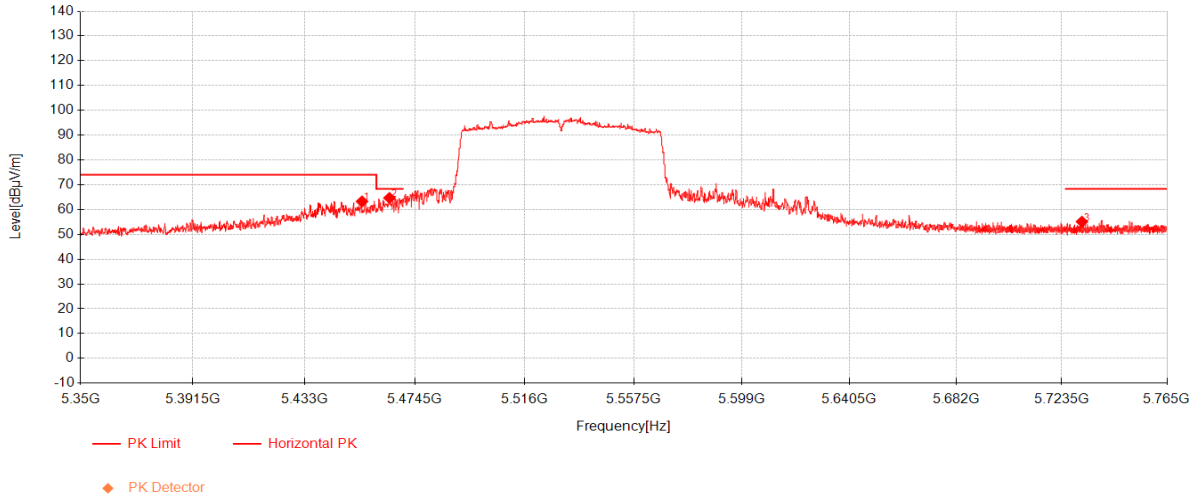


802.11ac80_Channel 106

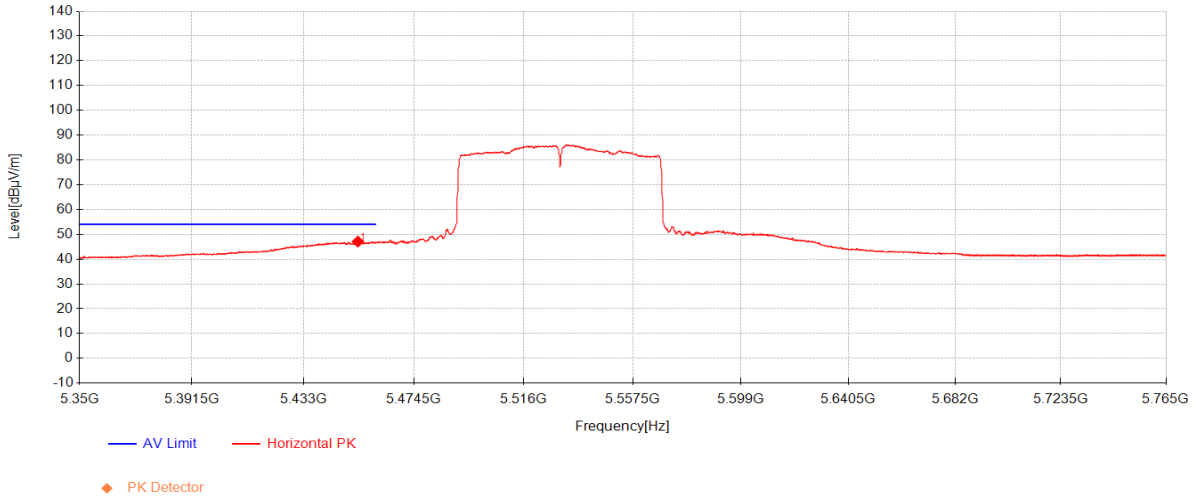


Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5454.6038	47.90	32.60	-17.24	63.26	74.00	10.74	151	71	Horizontal
2	5464.905	49.30	32.60	-17.22	64.68	68.30	3.62	151	71	Horizontal
3	5731.44	38.42	33.34	-16.65	55.11	68.30	13.19	151	71	Horizontal



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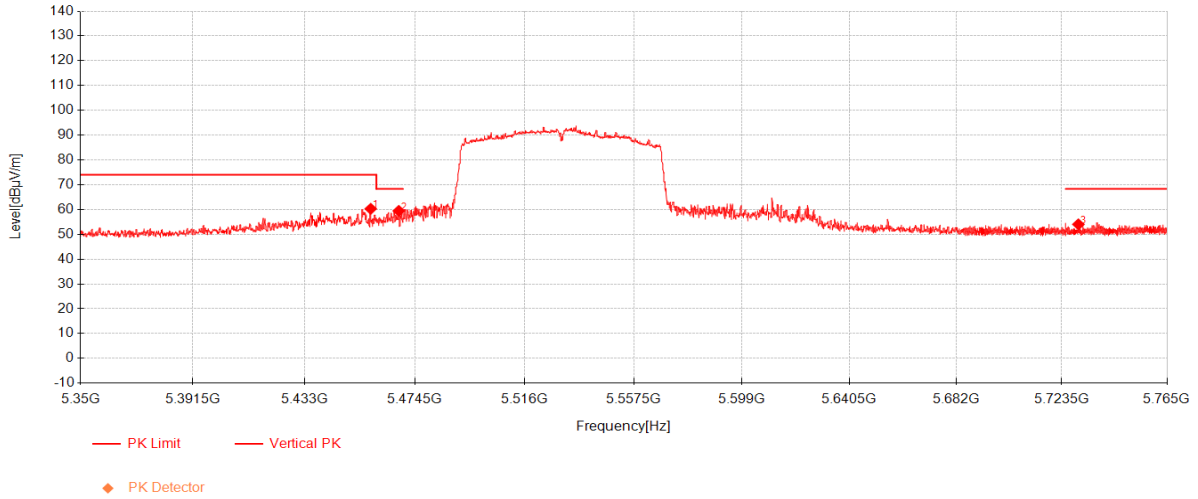
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NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5453.4312	31.72	32.60	-17.24	47.08	54.00	6.92	151	71	Horizontal



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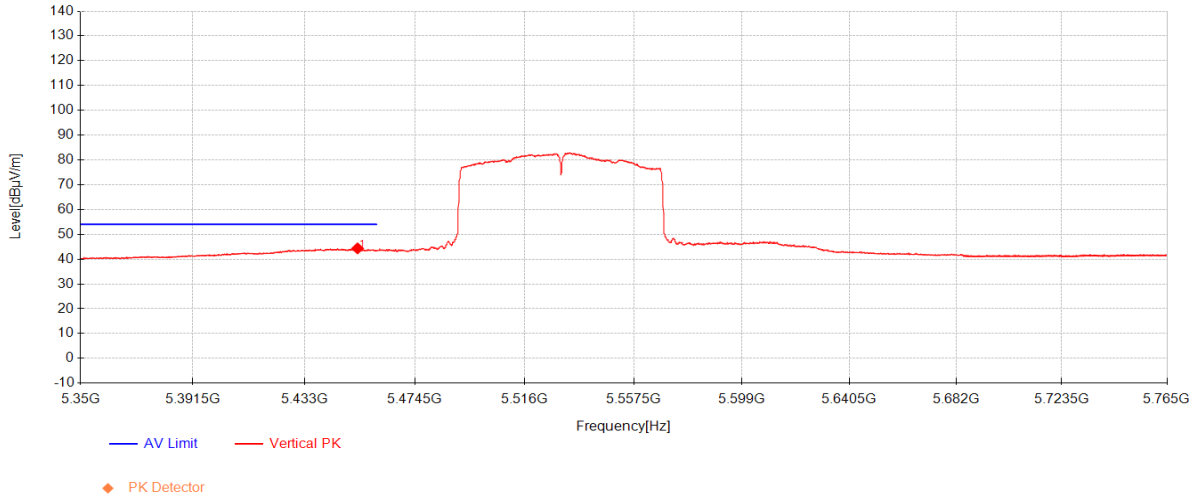
Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5457.87	44.92	32.60	-17.23	60.29	74.00	13.71	361	99	Vertical
2	5468.4225	44.07	32.60	-17.22	59.45	68.30	8.85	361	99	Vertical
3	5730.04	37.35	33.34	-16.66	54.02	68.30	14.28	361	99	Vertical



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Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5452.9288	28.97	32.60	-17.24	44.33	54.00	9.67	361	99	Vertical

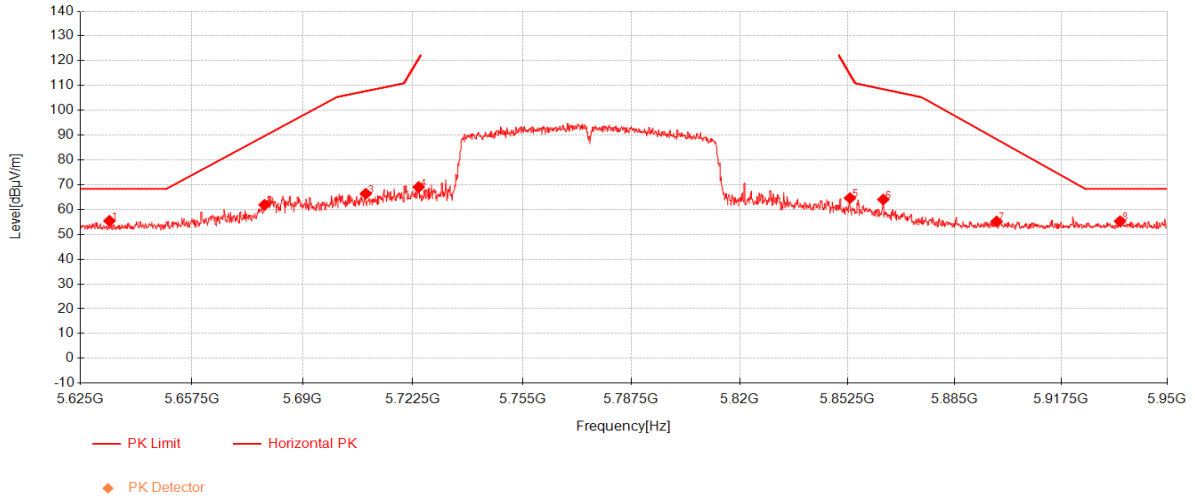


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802.11ac80_Channel 155



Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5633.45	39.03	33.03	-16.63	55.43	68.30	12.87	254	72	Horizontal
2	5678.7875	45.49	33.17	-16.79	61.88	89.64	27.76	254	72	Horizontal
3	5708.6062	49.91	33.27	-16.80	66.37	107.71	41.34	254	72	Horizontal
4	5724.2062	52.43	33.32	-16.70	69.05	120.49	51.44	254	72	Horizontal
5	5853.3125	47.20	33.73	-16.30	64.63	114.75	50.12	254	72	Horizontal
6	5863.3875	46.59	33.76	-16.32	64.03	108.55	44.52	254	72	Horizontal
7	5897.8375	37.70	33.87	-16.39	55.19	88.36	33.17	254	72	Horizontal
8	5935.6188	37.71	33.99	-16.44	55.26	68.30	13.04	254	72	Horizontal

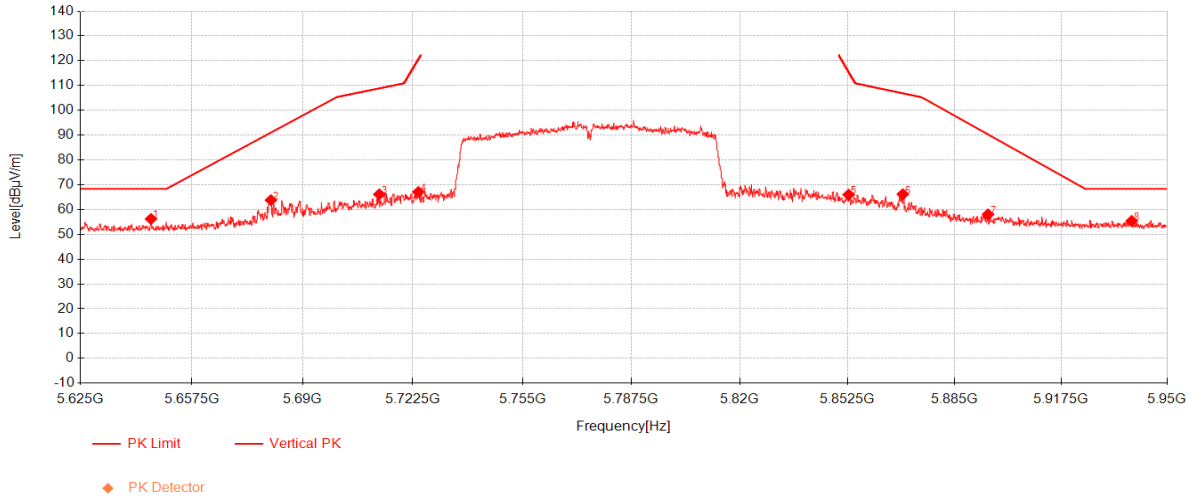


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802.11ac80_Channel 155



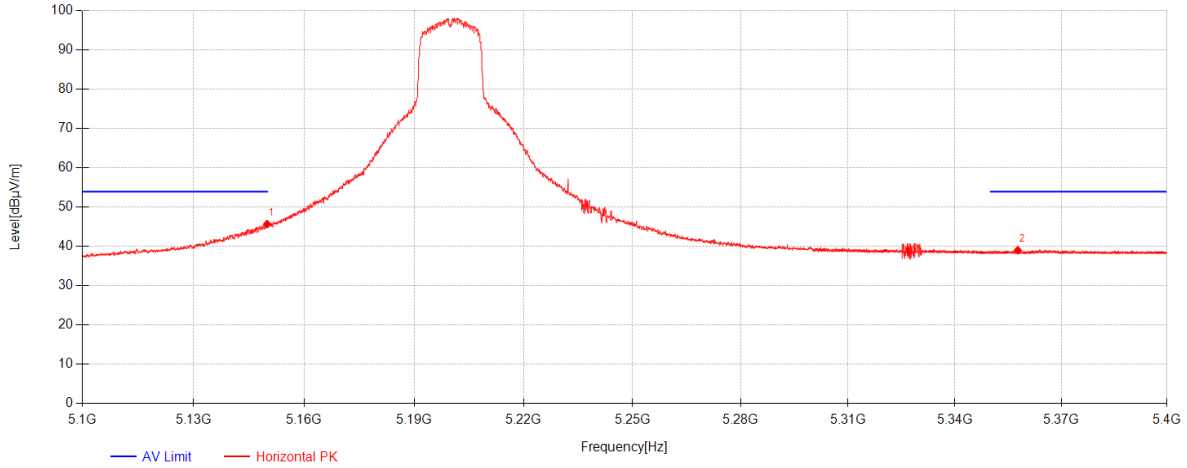
Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5645.5562	39.81	33.07	-16.67	56.21	68.30	12.09	132	74	Vertical
2	5680.6562	47.40	33.18	-16.79	63.79	91.02	27.23	132	74	Vertical
3	5712.5875	49.63	33.28	-16.78	66.13	108.83	42.70	132	74	Vertical
4	5724.125	50.45	33.32	-16.70	67.07	120.31	53.24	132	74	Vertical
5	5852.9062	48.55	33.73	-16.30	65.98	115.67	49.69	132	74	Vertical
6	5869.3188	48.73	33.78	-16.33	66.18	106.89	40.71	132	74	Vertical
7	5895.2375	40.54	33.86	-16.38	58.02	90.29	32.27	132	74	Vertical
8	5939.1938	37.83	34.01	-16.45	55.39	68.30	12.91	132	74	Vertical



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Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5149.9333	33.13	31.76	-19.14	45.75	54.00	8.25	155	284	Horizontal
2	5357.7125	25.75	32.26	-18.92	39.09	54.00	14.91	155	284	Horizontal

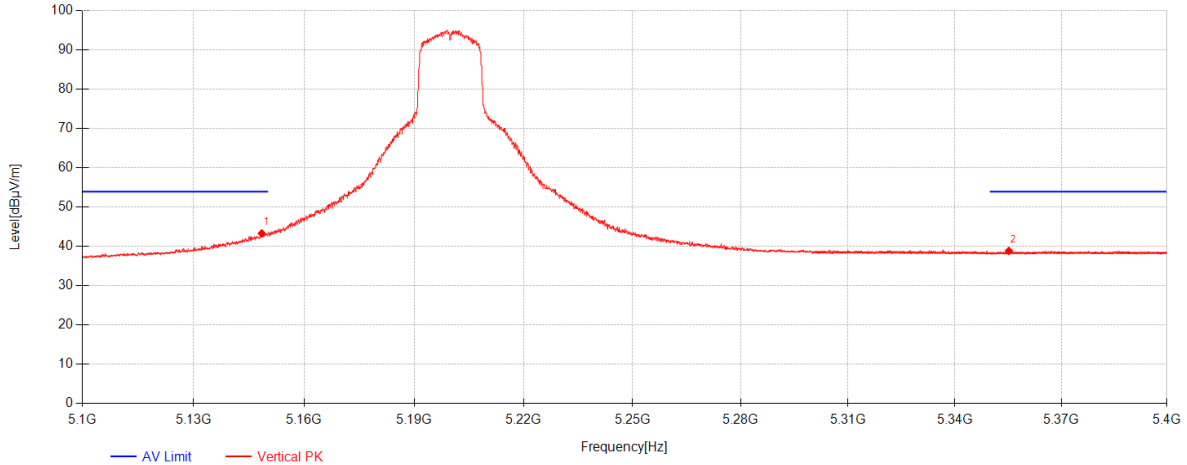


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Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5148.4667	30.75	31.76	-19.14	43.36	54.00	10.64	187	195	Vertical
2	5355.1875	25.57	32.25	-18.91	38.91	54.00	15.09	187	195	Vertical

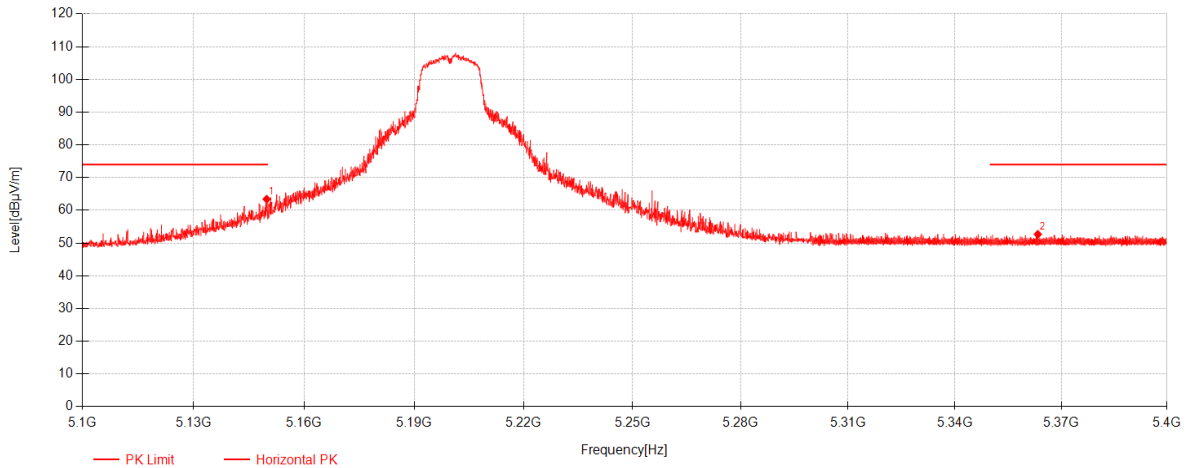


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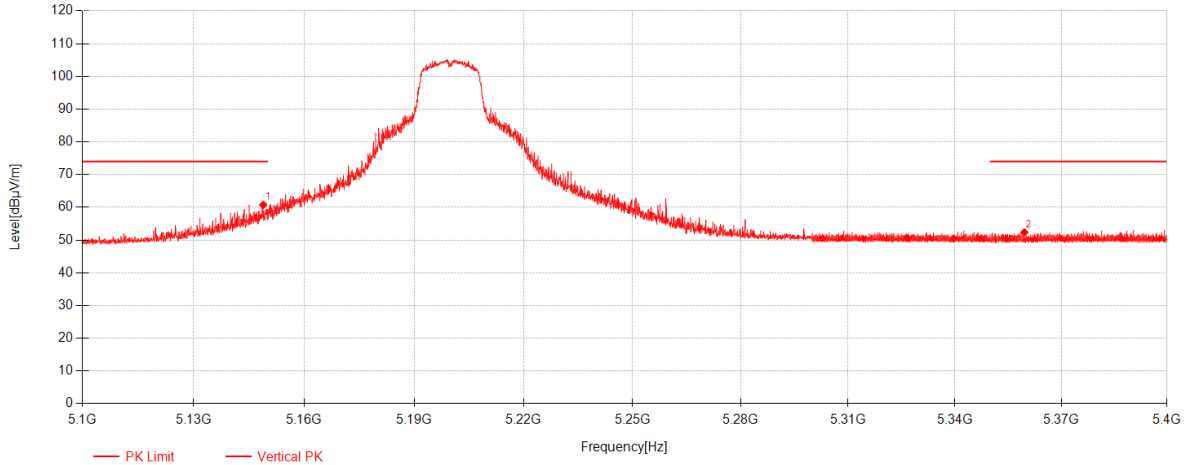
Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5149.8	50.80	31.76	-19.14	63.42	74.00	10.58	155	284	Horizontal
2	5363.375	39.34	32.27	-18.93	52.68	74.00	21.32	155	284	Horizontal



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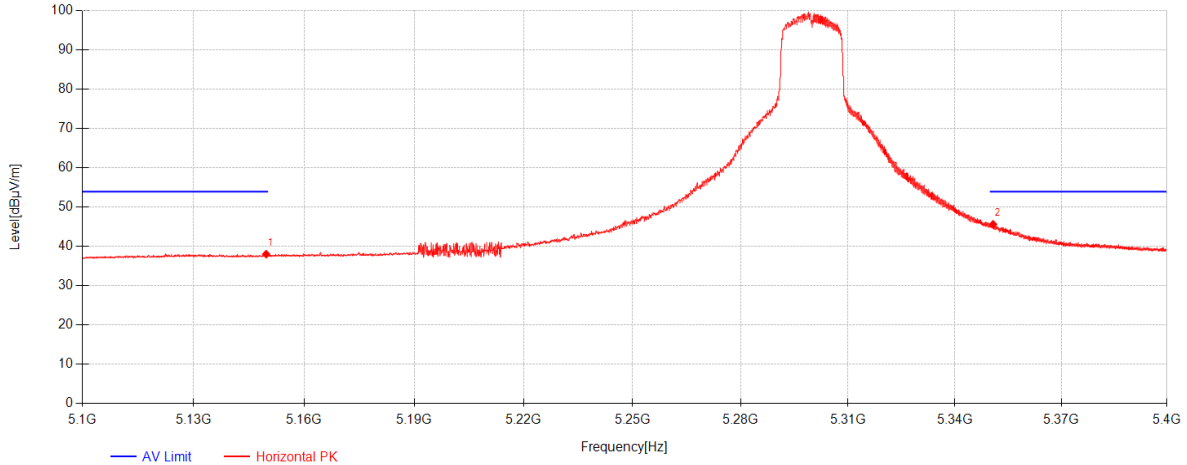
Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5148.8667	48.16	31.76	-19.14	60.77	74.00	13.23	187	195	Vertical
2	5359.5625	39.00	32.26	-18.92	52.34	74.00	21.66	187	195	Vertical



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802.11a_Channel 60



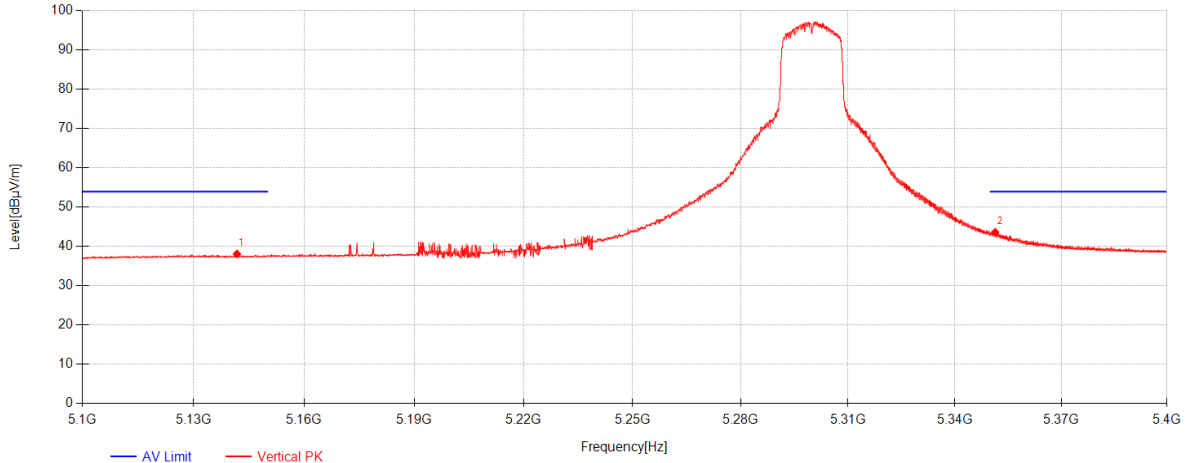
Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5149.6667	25.45	31.76	-19.14	38.07	54.00	15.93	144	280	Horizontal
2	5350.75	32.33	32.24	-18.90	45.67	54.00	8.33	144	280	Horizontal



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Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5141.7333	25.55	31.74	-19.16	38.13	54.00	15.87	181	215	Vertical
2	5351.3125	30.31	32.24	-18.90	43.65	54.00	10.35	181	215	Vertical

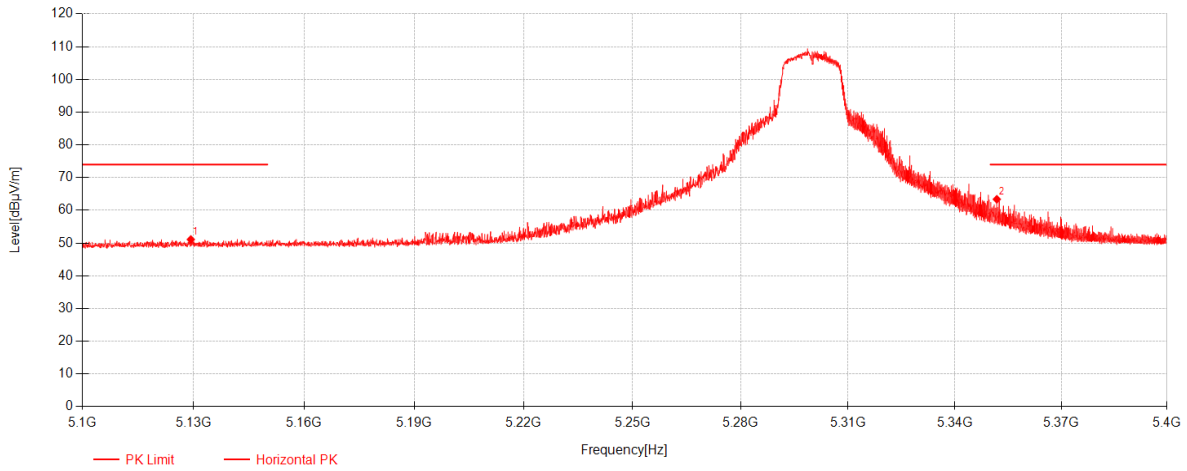


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802.11a_Channel 60



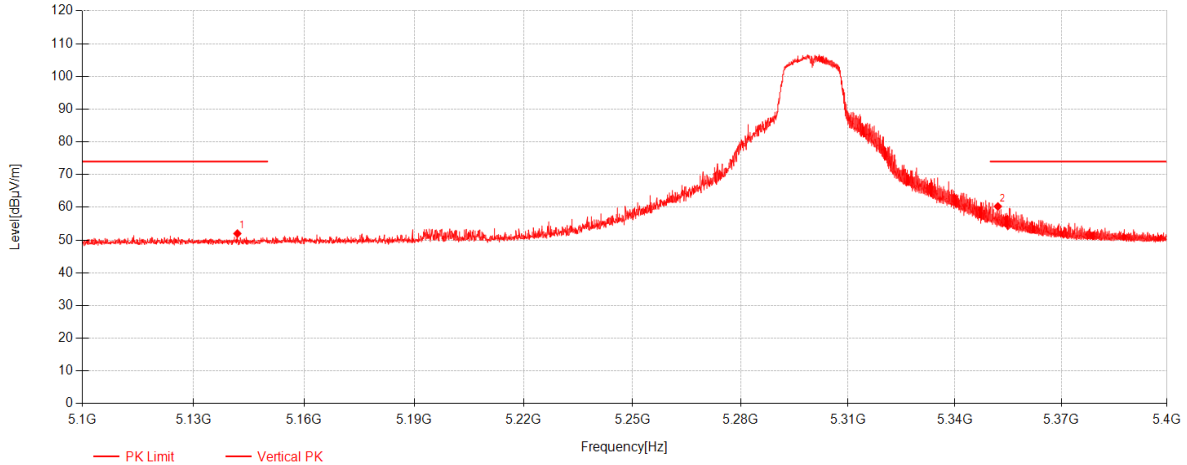
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1	5129.2667	38.56	31.71	-19.19	51.08	74.00	22.92	144	280	Horizontal
2	5351.8	50.04	32.24	-18.90	63.38	74.00	10.62	144	280	Horizontal



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Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5141.8667	39.40	31.74	-19.16	51.98	74.00	22.02	181	215	Vertical
2	5352.1	46.93	32.25	-18.91	60.27	74.00	13.73	181	215	Vertical

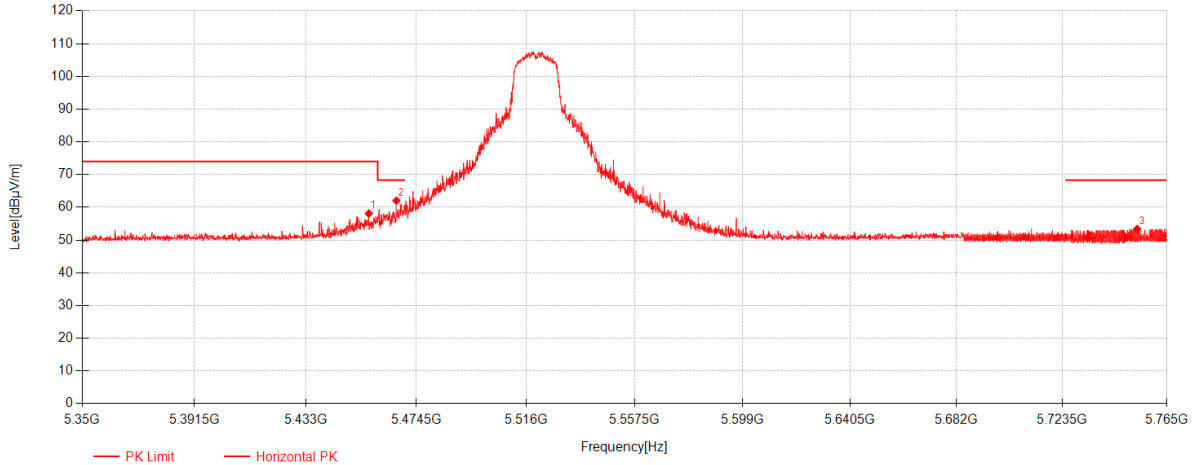


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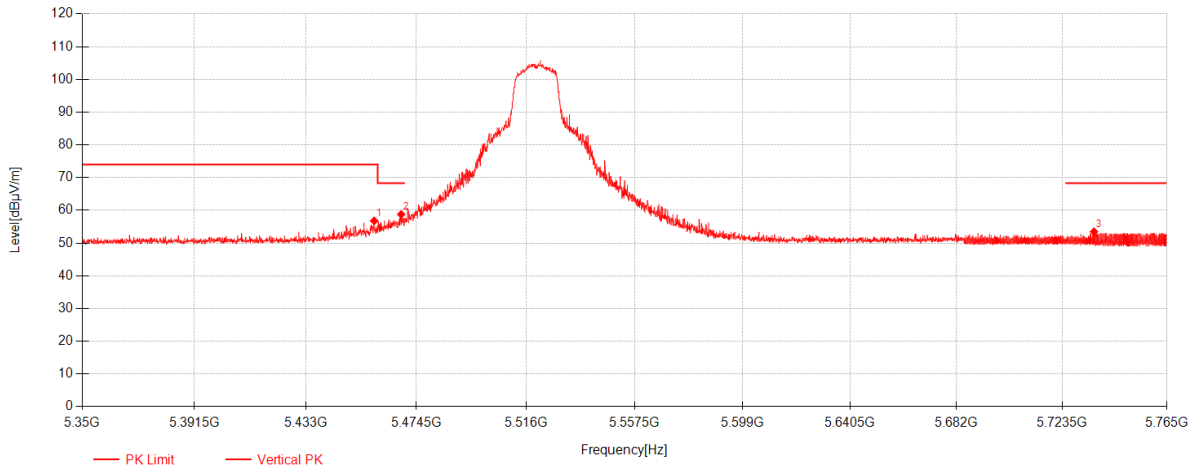
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1	5456.6417	44.71	32.50	-19.11	58.10	74.00	15.90	238	302	Horizontal
2	5467.0267	48.66	32.52	-19.13	62.05	68.30	6.25	238	302	Horizontal
3	5753.16	39.61	32.65	-18.89	53.37	68.30	14.93	238	302	Horizontal



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Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5458.6517	43.39	32.50	-19.11	56.78	74.00	17.22	263	265	Vertical
2	5468.8133	45.37	32.53	-19.13	58.77	68.30	9.53	263	265	Vertical
3	5736.09	39.66	32.65	-18.84	53.47	68.30	14.83	263	265	Vertical

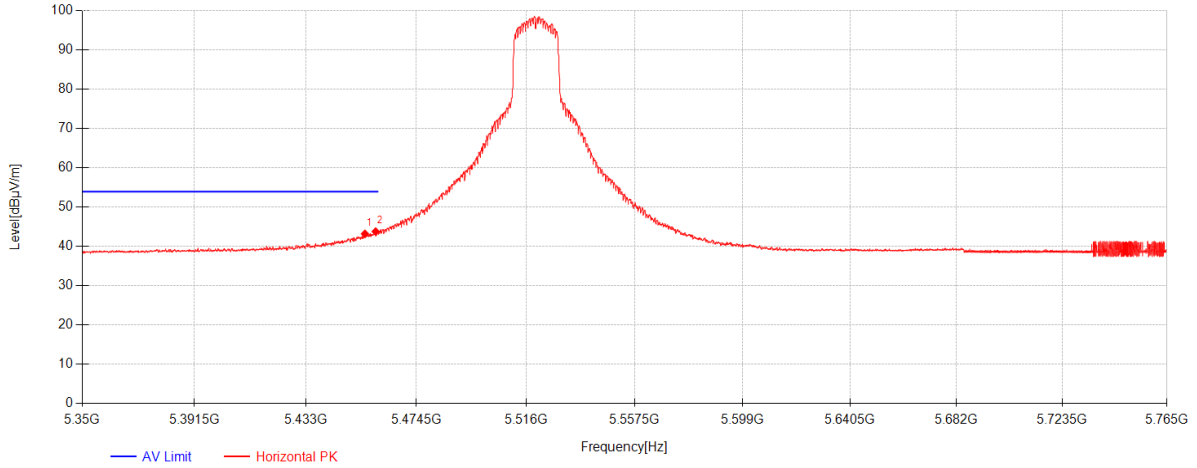


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Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5455.19	29.86	32.49	-19.11	43.24	54.00	10.76	238	302	Horizontal
2	5459.21	30.45	32.50	-19.11	43.84	54.00	10.16	238	302	Horizontal

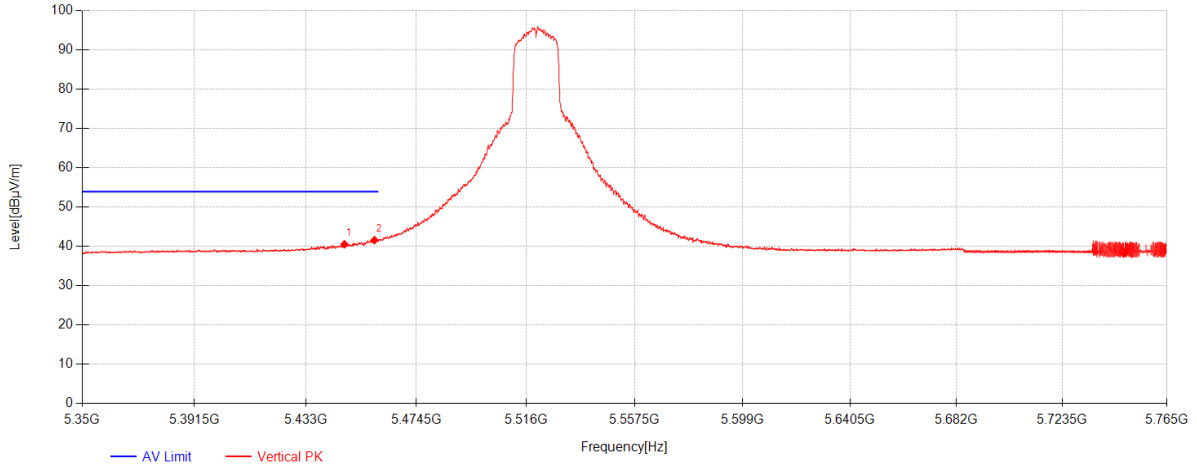


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802.11a_Channel 104



Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5447.485	27.21	32.47	-19.10	40.59	54.00	13.41	263	265	Vertical
2	5458.7633	28.25	32.50	-19.11	41.64	54.00	12.36	263	265	Vertical

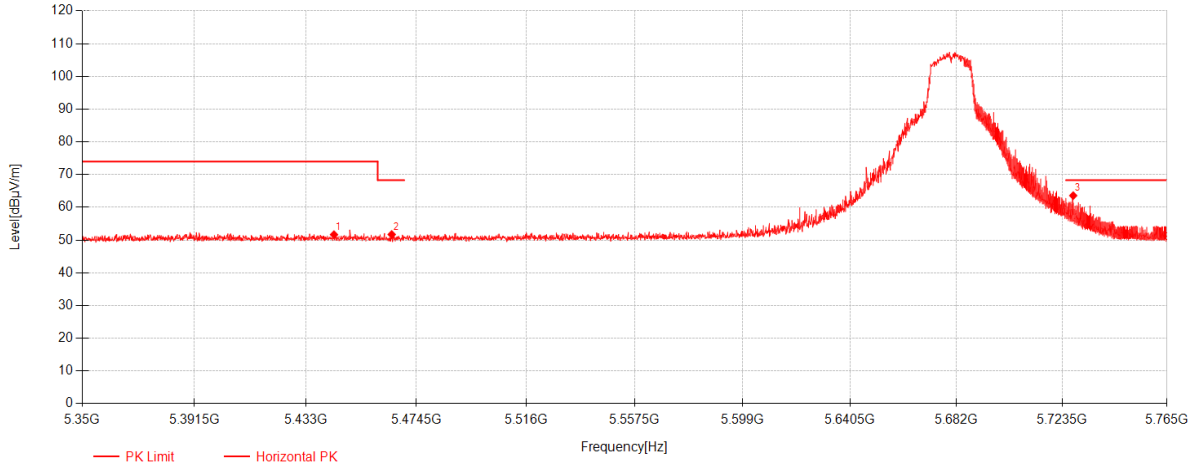


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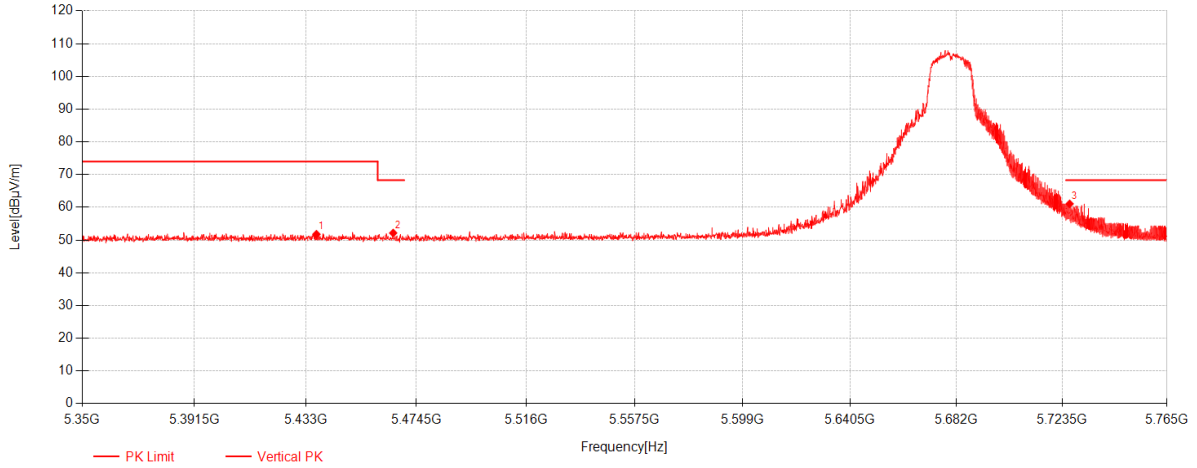
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1	5443.5767	38.28	32.46	-19.09	51.65	74.00	22.35	155	324	Horizontal
2	5465.24	38.32	32.52	-19.12	51.71	68.30	16.59	155	324	Horizontal
3	5727.89	49.76	32.65	-18.81	63.59	68.30	4.71	155	324	Horizontal



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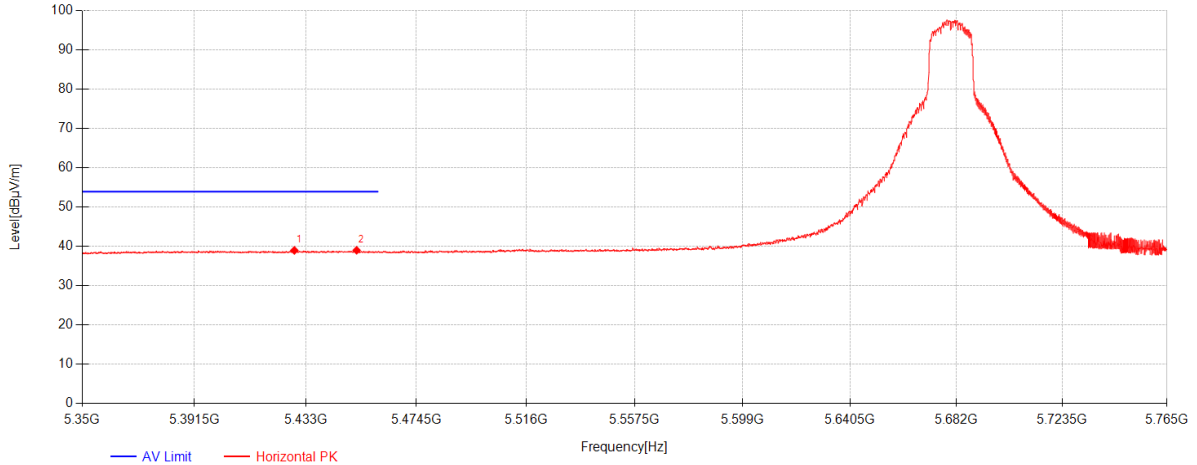
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1	5436.9883	38.40	32.45	-19.08	51.77	74.00	22.23	145	258	Vertical
2	5465.7983	38.76	32.52	-19.13	52.15	68.30	16.15	145	258	Vertical
3	5726.47	47.22	32.65	-18.81	61.06	68.30	7.24	145	258	Vertical



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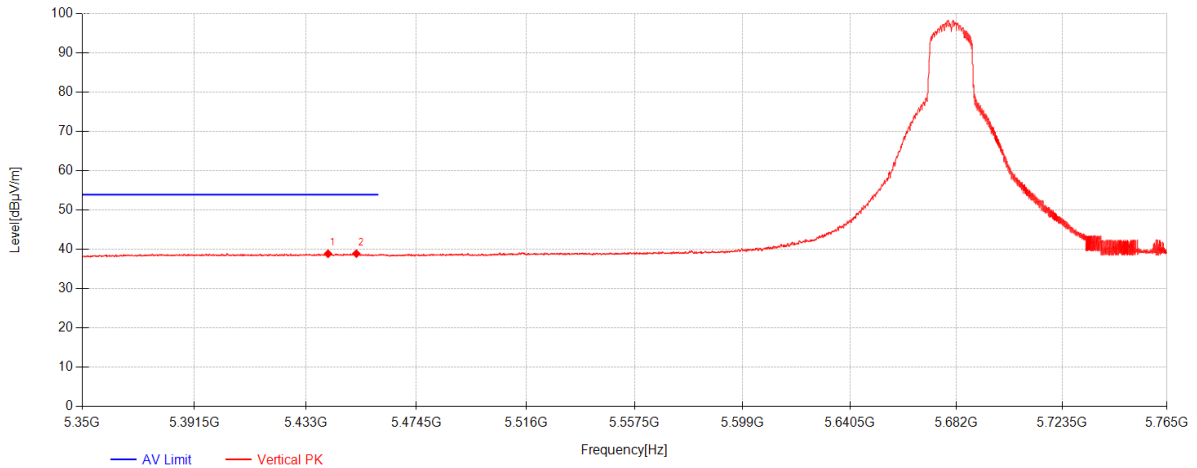
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1	5428.725	25.67	32.43	-19.07	39.03	54.00	14.97	155	324	Horizontal
2	5452.0633	25.68	32.48	-19.10	39.06	54.00	14.94	155	324	Horizontal



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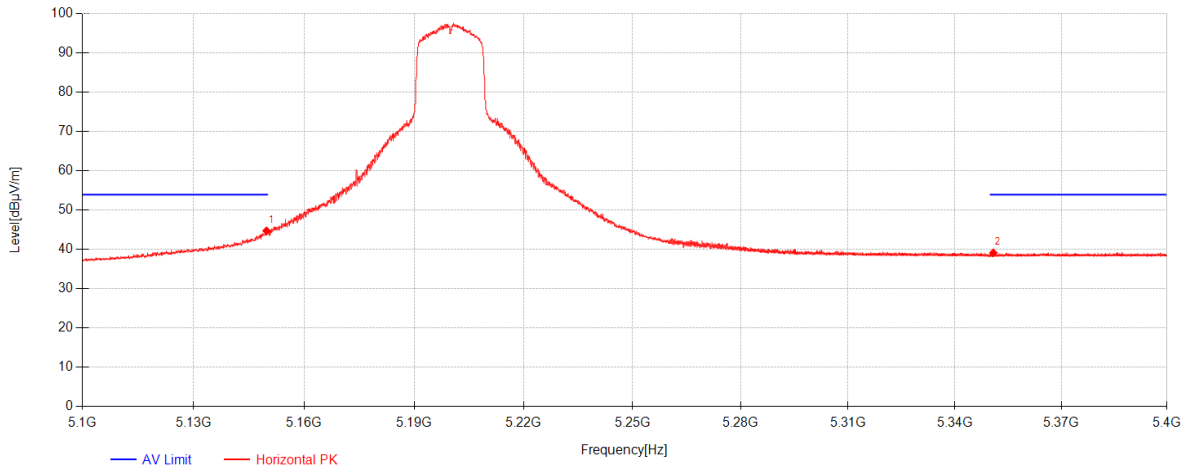
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1	5441.3433	25.57	32.46	-19.09	38.94	54.00	15.06	145	258	Vertical
2	5451.9517	25.60	32.48	-19.10	38.98	54.00	15.02	145	258	Vertical



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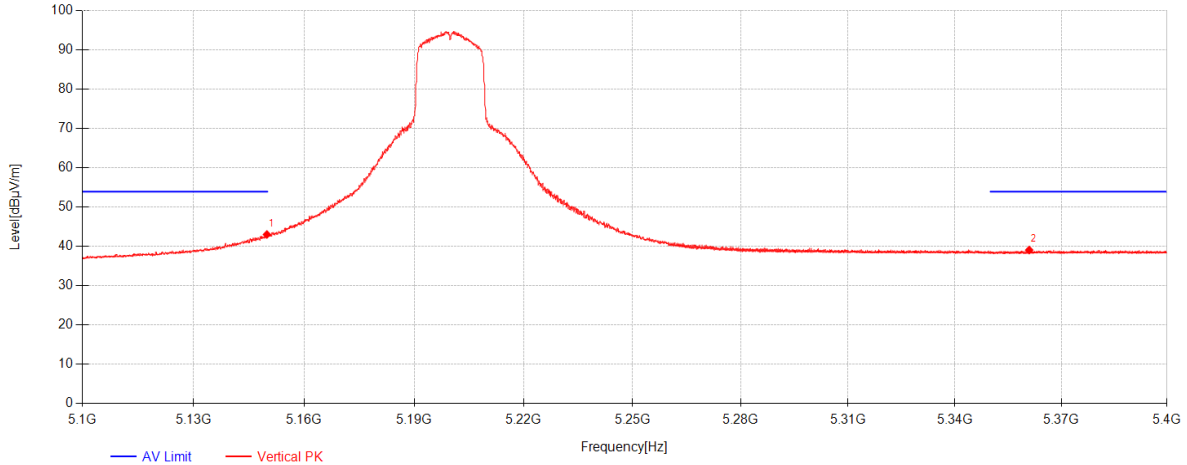
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1	5149.76	32.18	31.76	-19.14	44.80	54.00	9.20	270	283	Horizontal
2	5350.825	25.86	32.24	-18.90	39.20	54.00	14.80	270	283	Horizontal



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802.11n20_Channel 40



Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5149.8667	30.47	31.76	-19.14	43.09	54.00	10.91	253	176	Vertical
2	5360.94	25.79	32.27	-18.93	39.13	54.00	14.87	253	176	Vertical



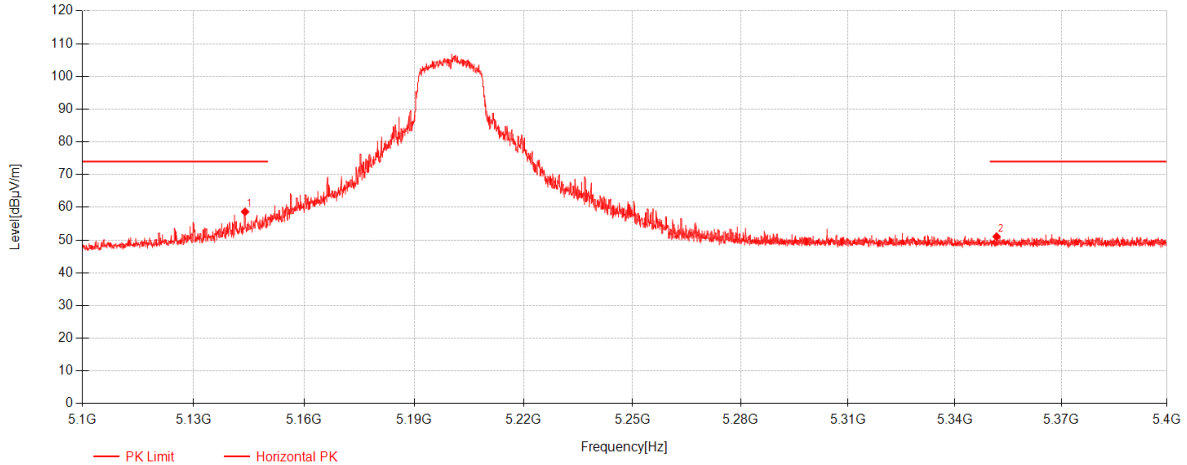
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Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5143.9467	46.05	31.75	-19.15	58.64	74.00	15.36	270	283	Horizontal
2	5351.735	37.71	32.24	-18.90	51.05	74.00	22.95	270	283	Horizontal

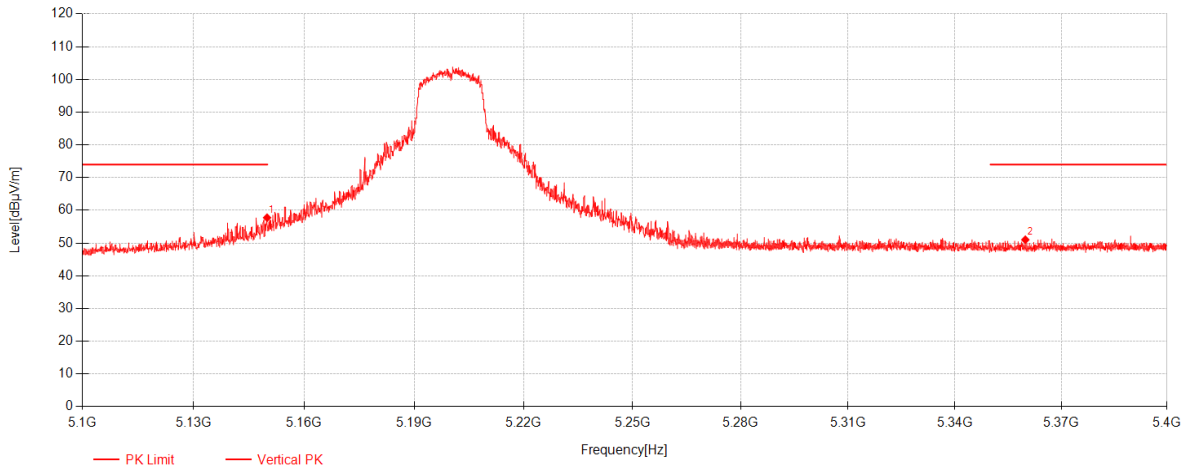


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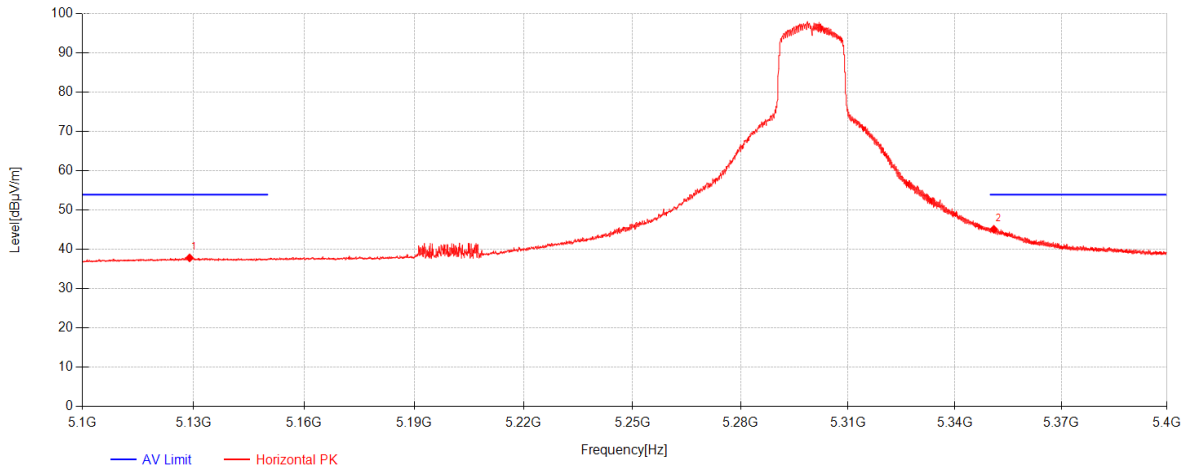
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1	5149.92	45.13	31.76	-19.14	57.75	74.00	16.25	253	176	Vertical
2	5359.8375	37.67	32.26	-18.92	51.01	74.00	22.99	253	176	Vertical



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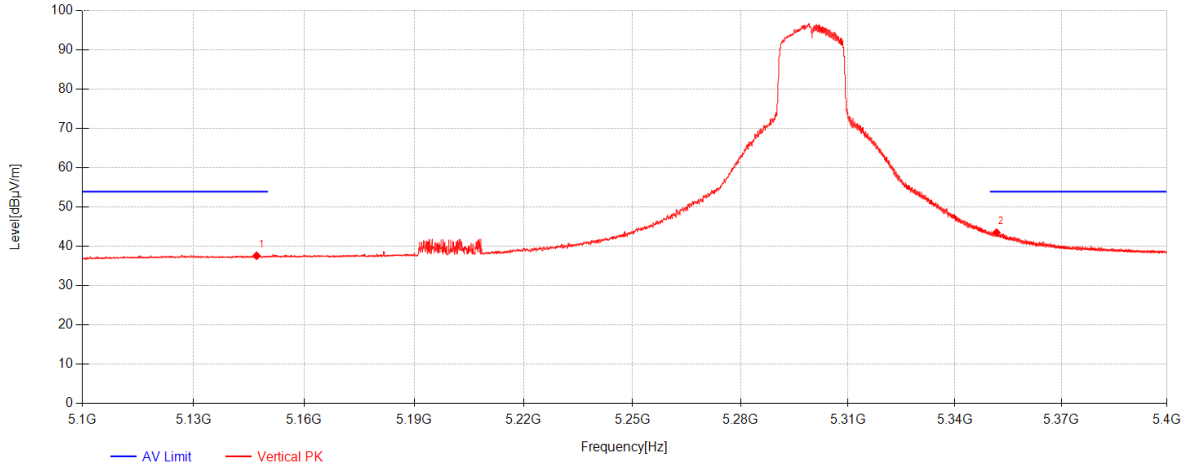
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1	5128.9333	25.37	31.71	-19.19	37.89	54.00	16.11	292	147	Horizontal
2	5350.95	31.83	32.24	-18.90	45.17	54.00	8.83	292	147	Horizontal



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Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5147.0667	25.06	31.75	-19.15	37.67	54.00	16.33	148	246	Vertical
2	5351.7125	30.22	32.24	-18.90	43.56	54.00	10.44	148	246	Vertical

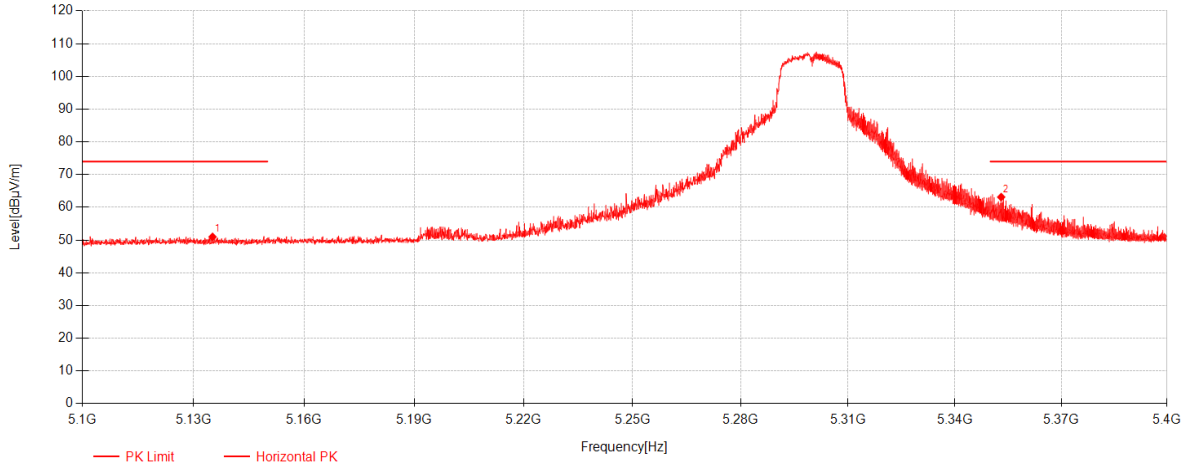


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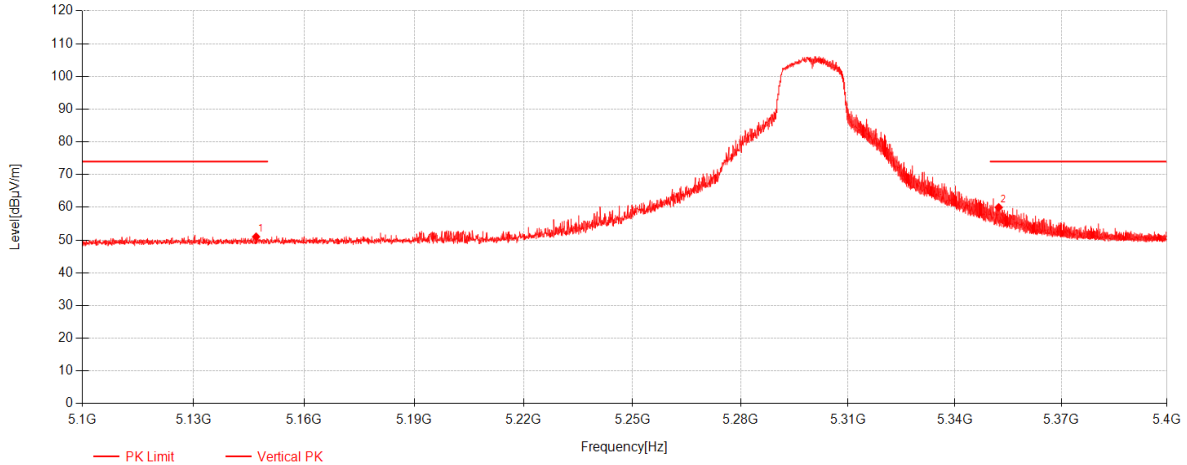
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1	5135.1333	38.41	31.72	-19.18	50.96	74.00	23.04	292	147	Horizontal
2	5353.025	49.79	32.25	-18.91	63.13	74.00	10.87	292	147	Horizontal



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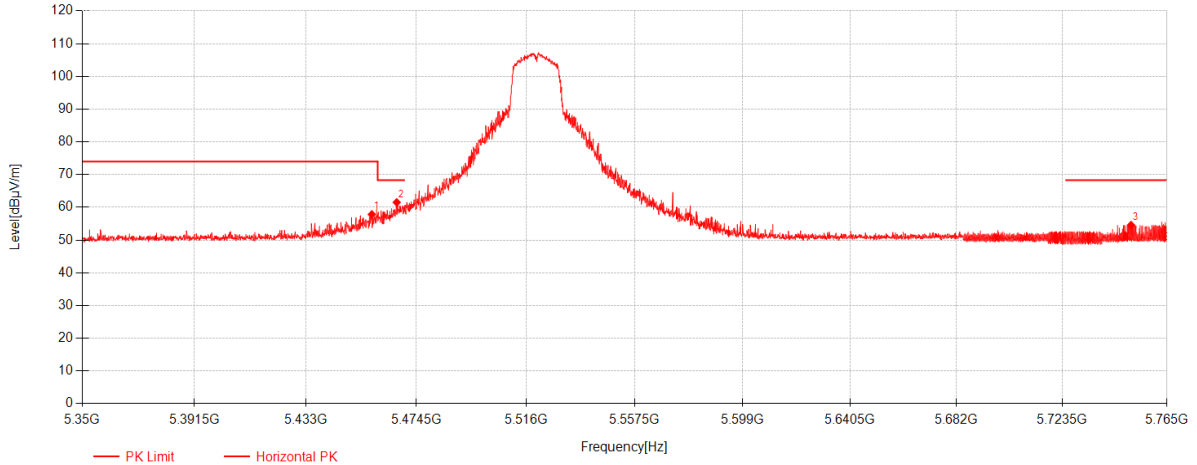
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1	5146.9333	38.39	31.75	-19.15	51.00	74.00	23.00	148	246	Vertical
2	5352.325	46.64	32.25	-18.91	59.98	74.00	14.02	148	246	Vertical



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Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5457.7583	44.46	32.50	-19.11	57.85	74.00	16.15	187	295	Horizontal
2	5467.1383	48.13	32.52	-19.13	61.52	68.30	6.78	187	295	Horizontal
3	5750.74	40.81	32.65	-18.88	54.58	68.30	13.72	187	295	Horizontal



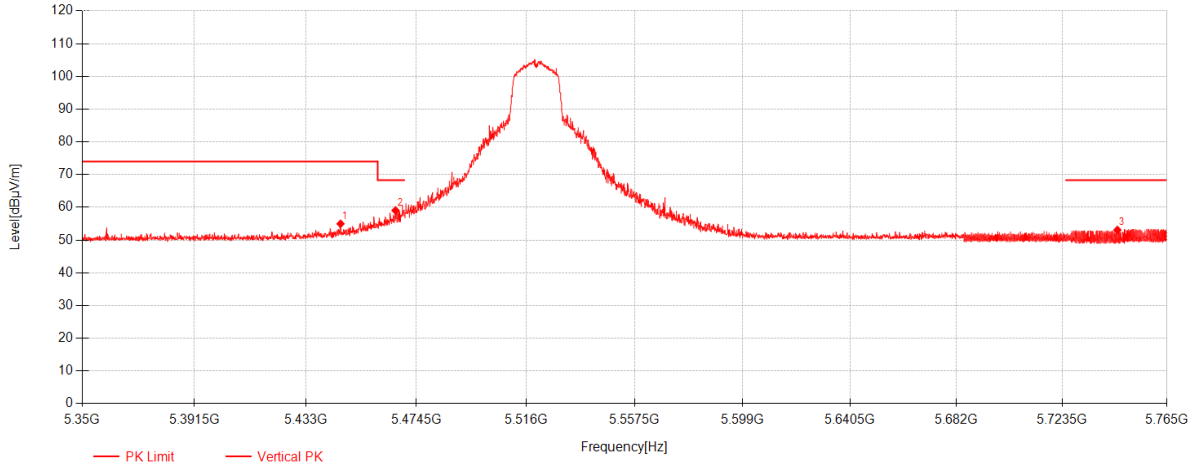
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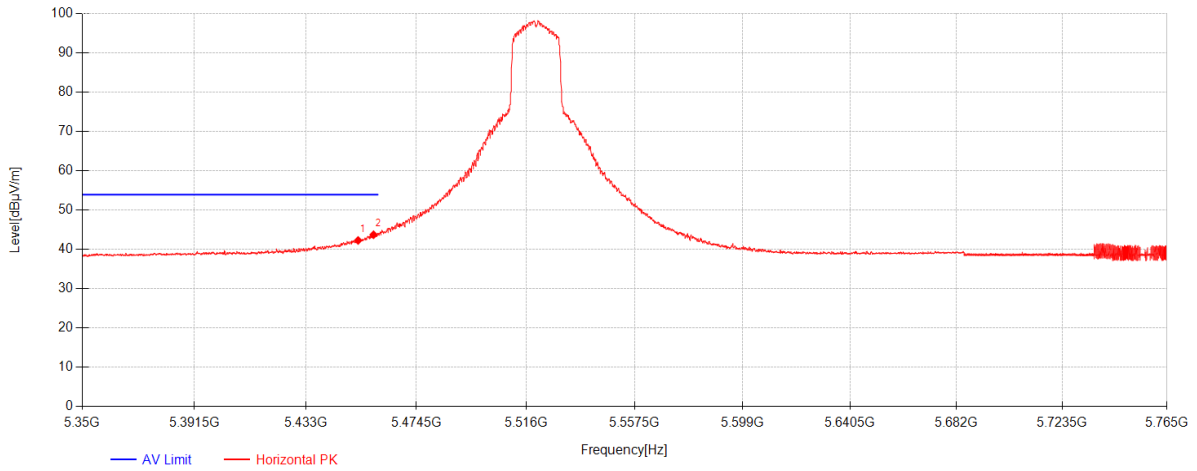
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1	5446.0333	41.59	32.47	-19.09	54.97	74.00	19.03	155	254	Vertical
2	5466.6917	45.65	32.52	-19.13	59.04	68.30	9.26	155	254	Vertical
3	5745.35	39.30	32.65	-18.87	53.08	68.30	15.22	155	254	Vertical



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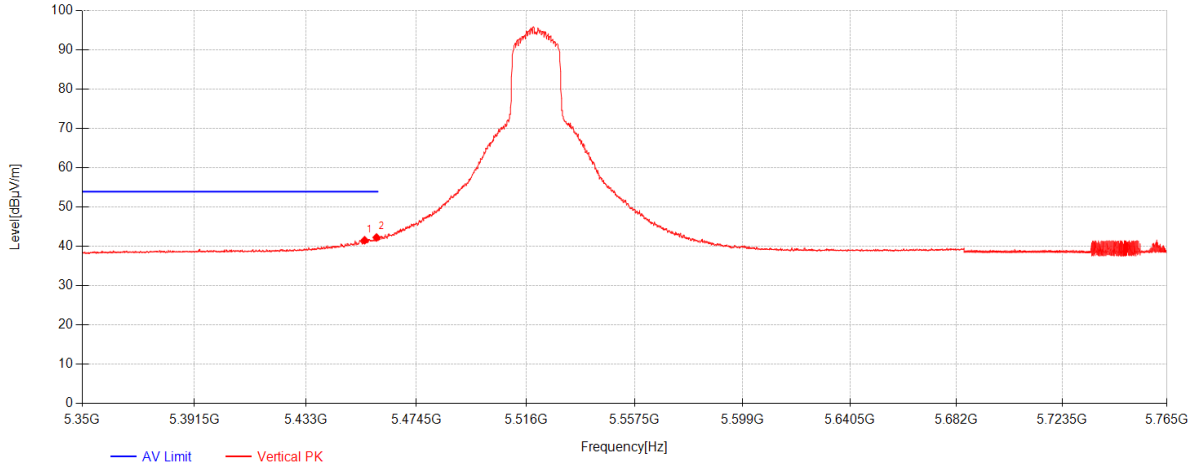
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1	5452.6217	28.96	32.49	-19.10	42.34	54.00	11.66	187	295	Horizontal
2	5458.4283	30.40	32.50	-19.11	43.79	54.00	10.21	187	295	Horizontal



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1	5455.0783	28.24	32.49	-19.11	41.62	54.00	12.38	155	254	Vertical
2	5459.545	28.94	32.50	-19.12	42.33	54.00	11.67	155	254	Vertical

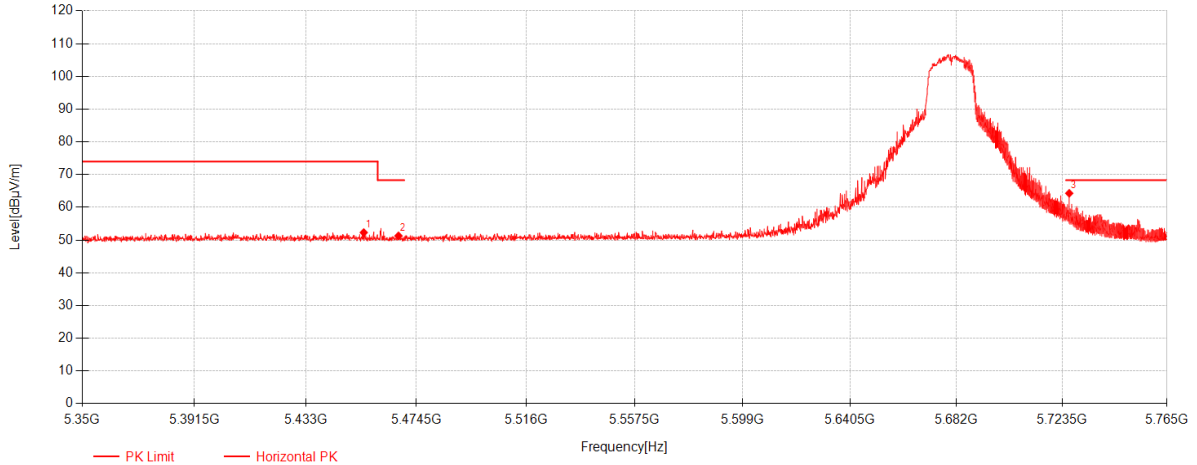


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Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5454.7433	38.92	32.49	-19.11	52.30	74.00	21.70	187	136	Horizontal
2	5467.8083	37.89	32.52	-19.13	51.28	68.30	17.02	187	136	Horizontal
3	5726.32	50.45	32.65	-18.81	64.29	68.30	4.01	187	136	Horizontal

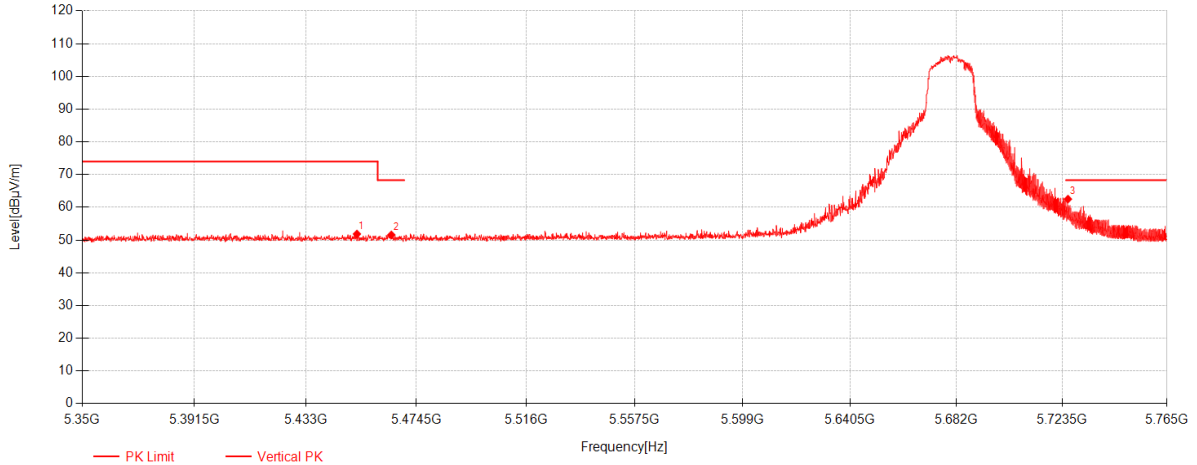


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Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5452.175	38.47	32.49	-19.10	51.85	74.00	22.15	146	357	Vertical
2	5465.1283	38.19	32.52	-19.12	51.58	68.30	16.72	146	357	Vertical
3	5725.81	48.67	32.65	-18.81	62.51	68.30	5.79	146	357	Vertical

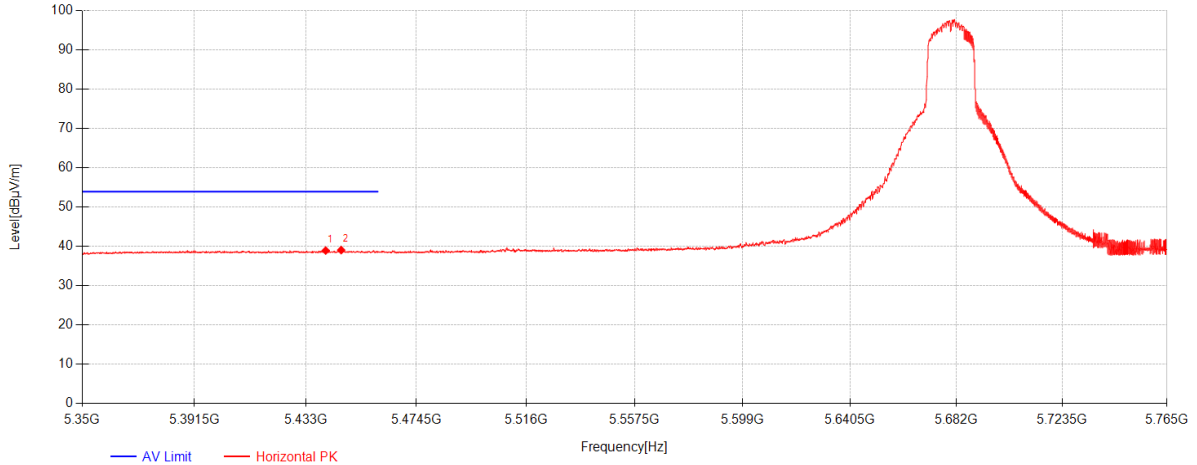


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Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5440.45	25.63	32.46	-19.08	39.00	54.00	15.00	187	136	Horizontal
2	5446.2567	25.74	32.47	-19.09	39.12	54.00	14.88	187	136	Horizontal

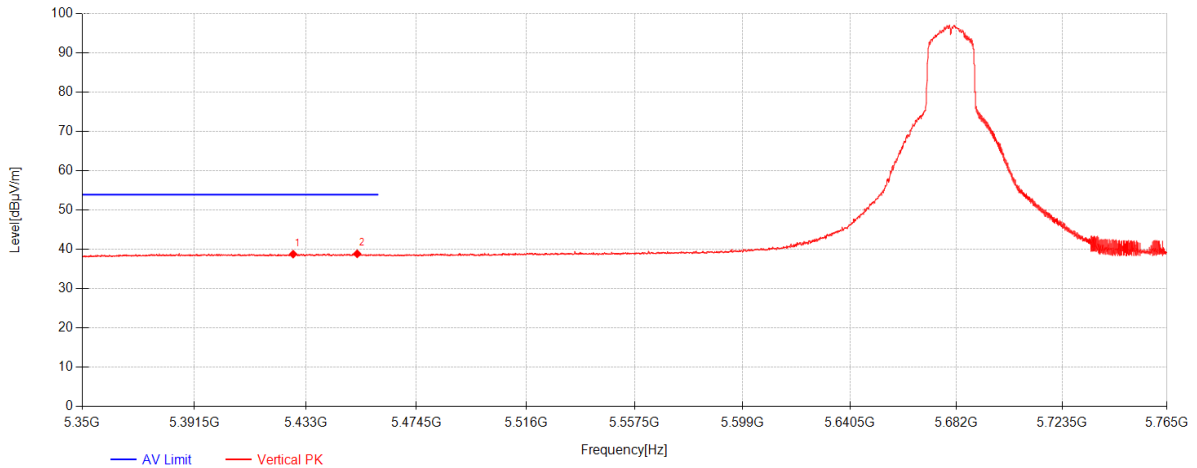


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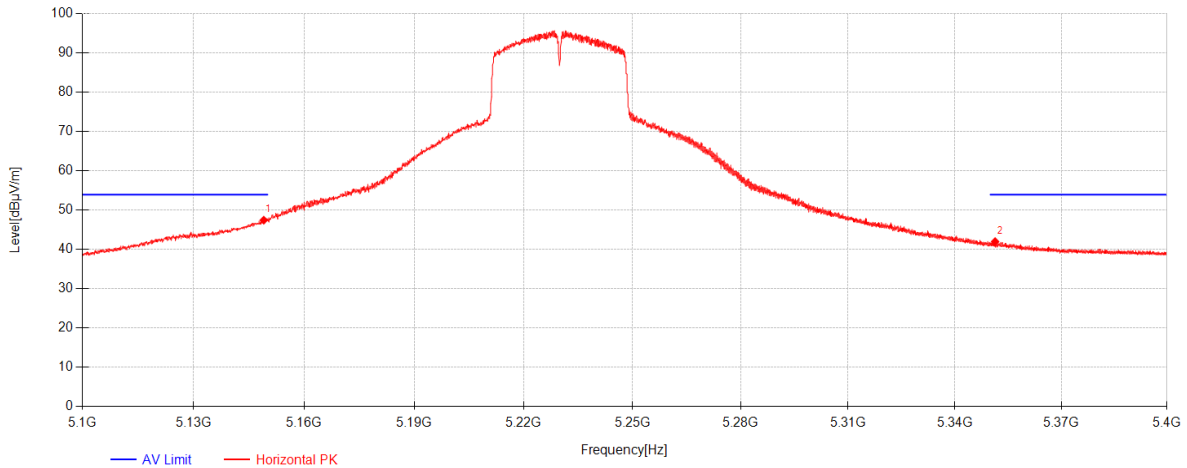
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1	5428.2783	25.48	32.43	-19.07	38.84	54.00	15.16	146	357	Vertical
2	5452.2867	25.55	32.49	-19.10	38.93	54.00	15.07	146	357	Vertical



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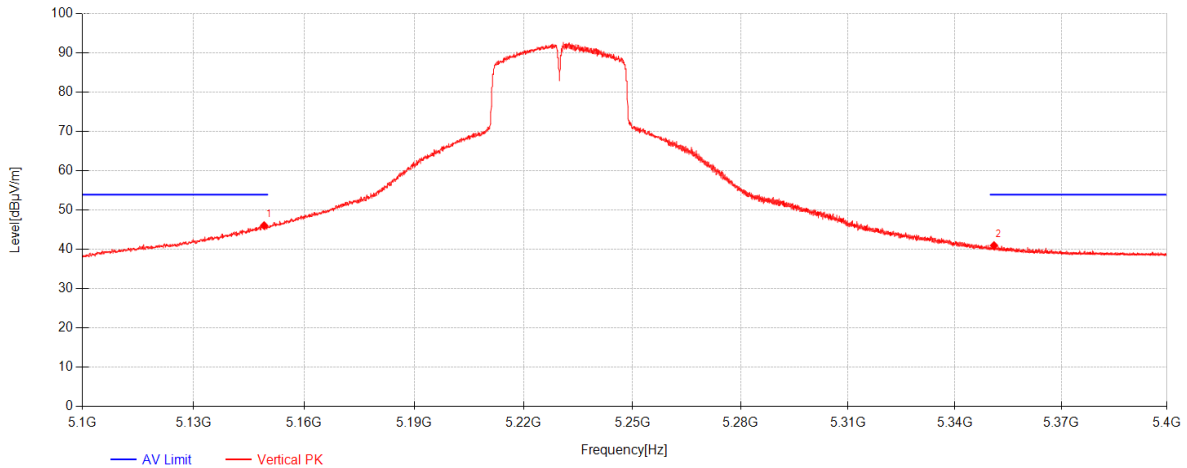
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1	5149.0133	34.87	31.76	-19.14	47.49	54.00	6.51	146	292	Horizontal
2	5351.315	28.70	32.24	-18.90	42.04	54.00	11.96	146	292	Horizontal



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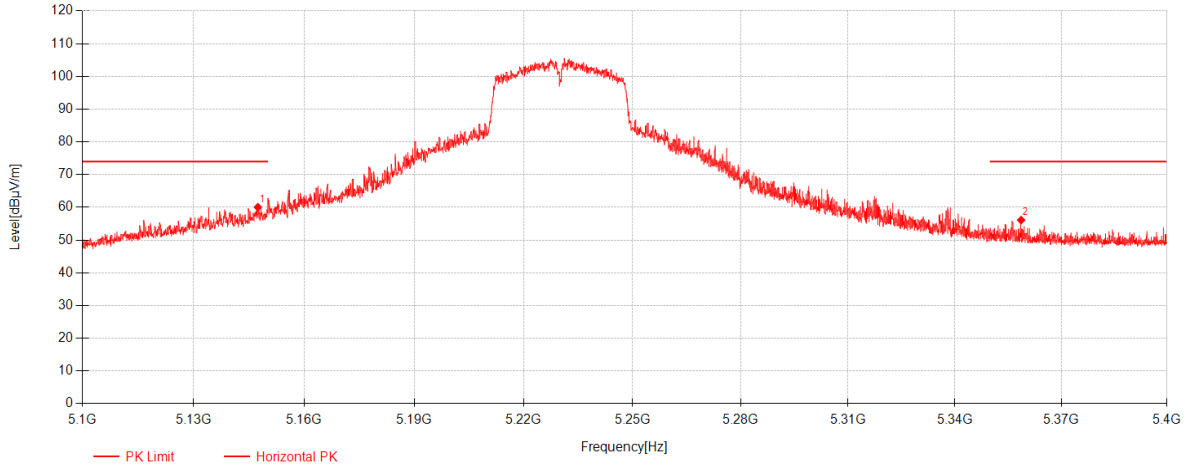
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1	5149.12	33.51	31.76	-19.14	46.13	54.00	7.87	169	258	Vertical
2	5351	27.71	32.24	-18.90	41.05	54.00	12.95	169	258	Vertical



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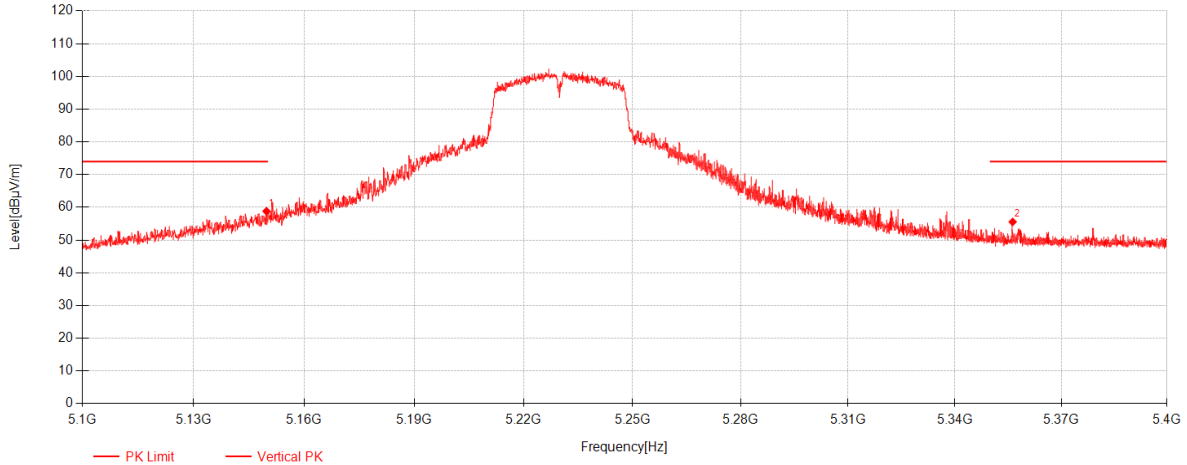
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1	5147.4133	47.44	31.75	-19.15	60.05	74.00	13.95	146	292	Horizontal
2	5358.6475	42.76	32.26	-18.92	56.10	74.00	17.90	146	292	Horizontal



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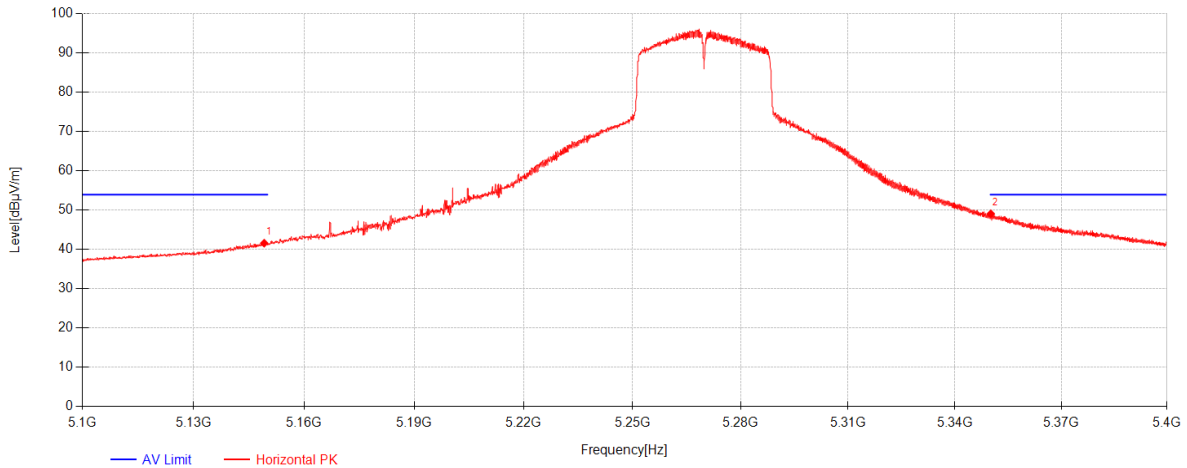
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1	5149.76	46.20	31.76	-19.14	58.82	74.00	15.18	169	258	Vertical
2	5356.2675	42.21	32.26	-18.92	55.55	74.00	18.45	169	258	Vertical



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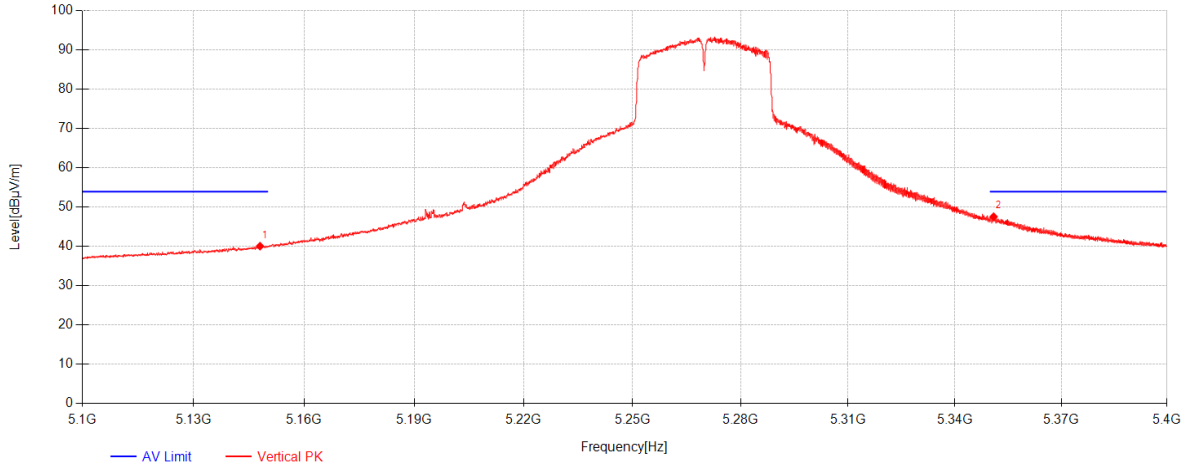
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1	5149.1333	29.02	31.76	-19.14	41.64	54.00	12.36	153	284	Horizontal
2	5350.1	35.78	32.24	-18.90	49.12	54.00	4.88	153	284	Horizontal



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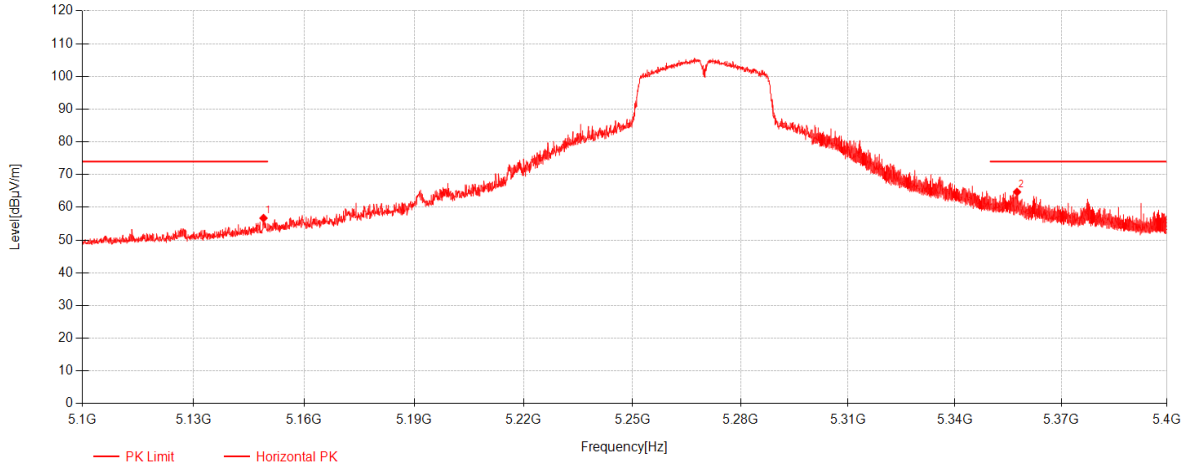
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1	5148	27.50	31.76	-19.14	40.11	54.00	13.89	142	185	Vertical
2	5350.9	34.28	32.24	-18.90	47.62	54.00	6.38	142	185	Vertical



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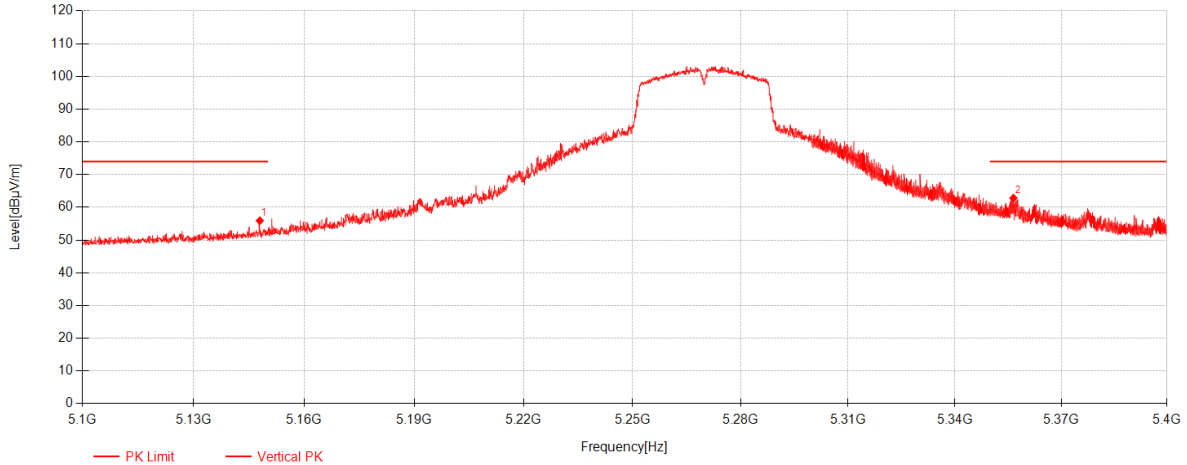
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1	5148.9333	44.08	31.76	-19.14	56.69	74.00	17.31	153	284	Horizontal
2	5357.5	51.35	32.26	-18.92	64.69	74.00	9.31	153	284	Horizontal



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802.11n40_Channel 54



Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5147.9333	43.31	31.76	-19.14	55.92	74.00	18.08	142	185	Vertical
2	5356.475	49.50	32.26	-18.92	62.84	74.00	11.16	142	185	Vertical

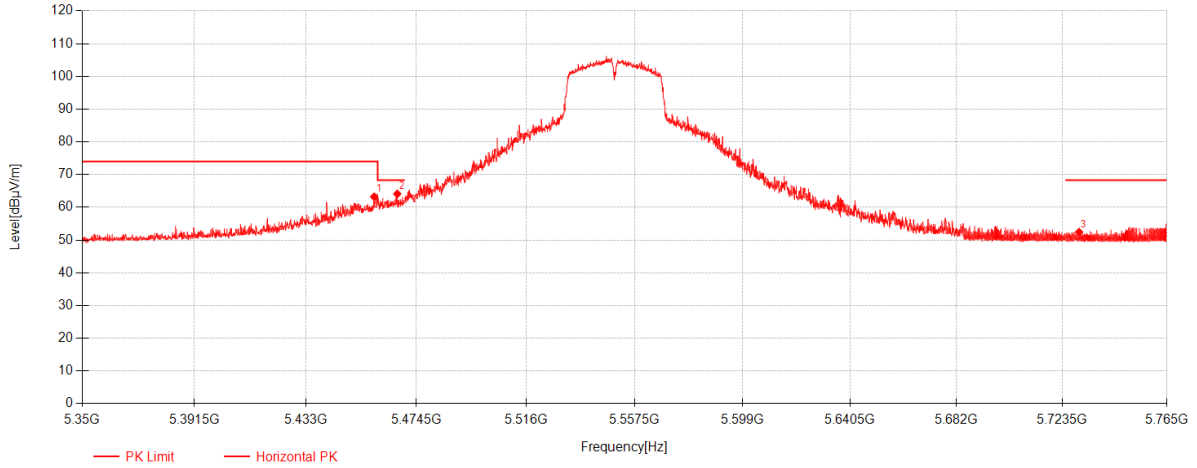


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802.11n40_Channel 110



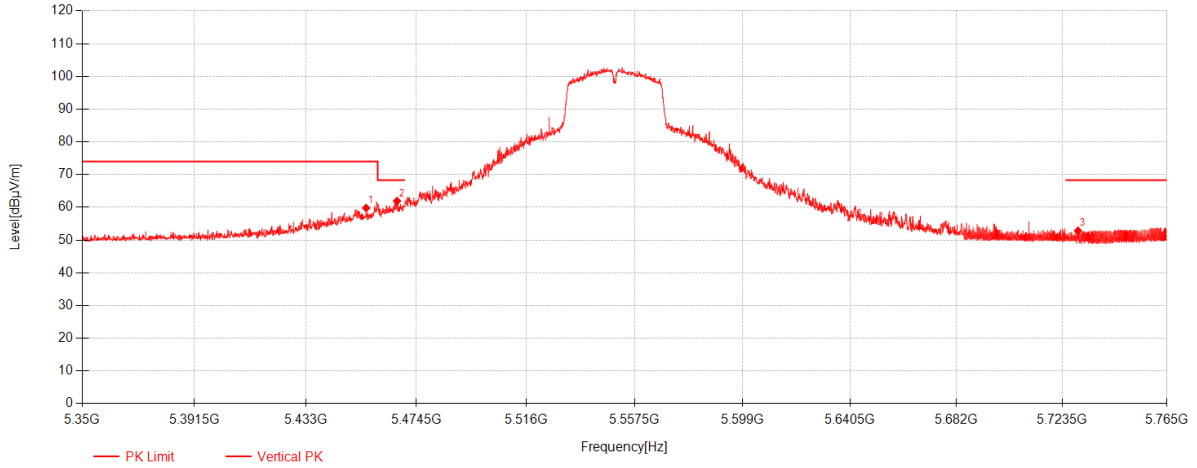
Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5458.6517	49.84	32.50	-19.11	63.23	74.00	10.77	143	295	Horizontal
2	5467.3617	50.72	32.52	-19.13	64.11	68.30	4.19	143	295	Horizontal
3	5730.17	38.61	32.65	-18.82	52.44	68.30	15.86	143	295	Horizontal



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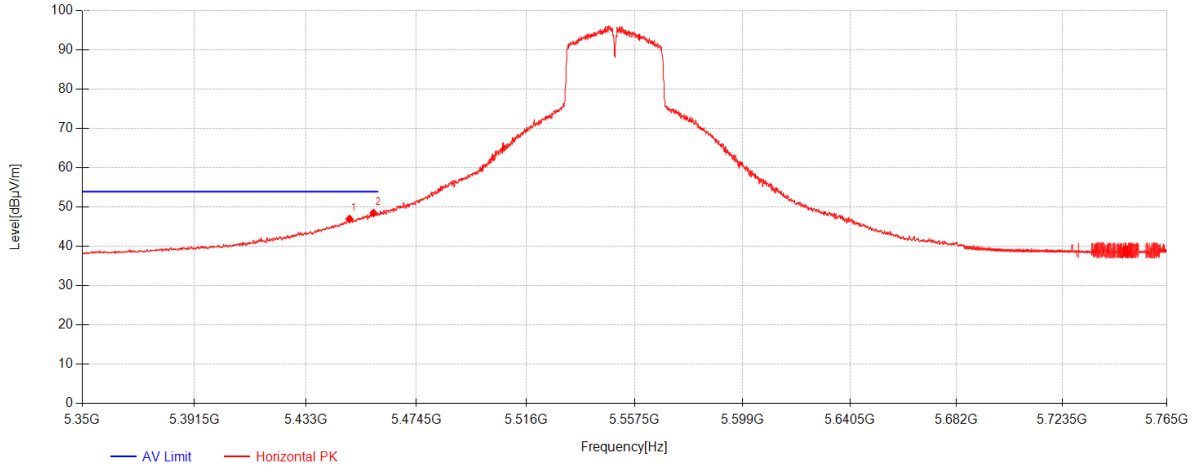
Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5455.6367	46.41	32.49	-19.11	59.79	74.00	14.21	158	252	Vertical
2	5467.25	48.53	32.52	-19.13	61.92	68.30	6.38	158	252	Vertical
3	5729.76	39.02	32.65	-18.82	52.85	68.30	15.45	158	252	Vertical



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802.11n40_Channel 110



Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5449.3833	33.66	32.48	-19.10	47.04	54.00	6.96	143	295	Horizontal
2	5458.4283	35.16	32.50	-19.11	48.55	54.00	5.45	143	295	Horizontal

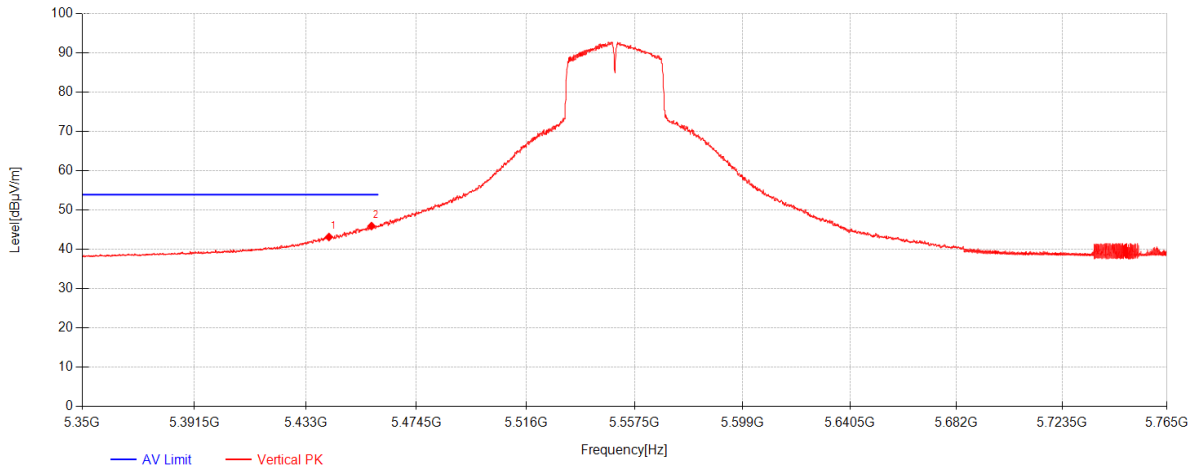


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Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5441.6783	29.83	32.46	-19.09	43.20	54.00	10.80	158	252	Vertical
2	5457.6467	32.61	32.50	-19.11	46.00	54.00	8.00	158	252	Vertical

Remark:

- The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier gain. The basic equation with a sample calculation is as follows:
 $Level = Reading(dB\mu V) + AF(dB/m) + Factor(dB)$
 $AF = Antenna\ Factor(dB/m)$
 $Factor = Cable\ Factor(dB) - Preamplifier\ gain(dB)$
 $Margin = Limit(dB\mu V/m) - Level(dB\mu V/m)$
- Both peak and average measured complies with the limit line, so test result is "PASS".
- For 802.11n HT20/ac VHT20 and 802.11n HT40/ac VHT40 mode, the whole testing have assessed only, 11n HT20/40 by referring to their higher output power.



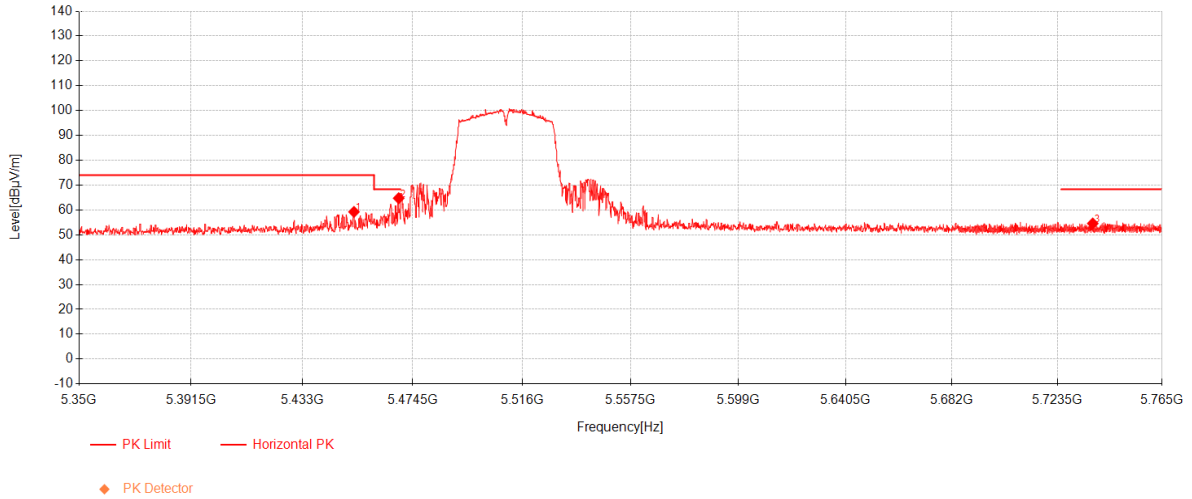
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Test on the worst case:

Restricted bands around fundamental frequency

802.11n40_Channel 102



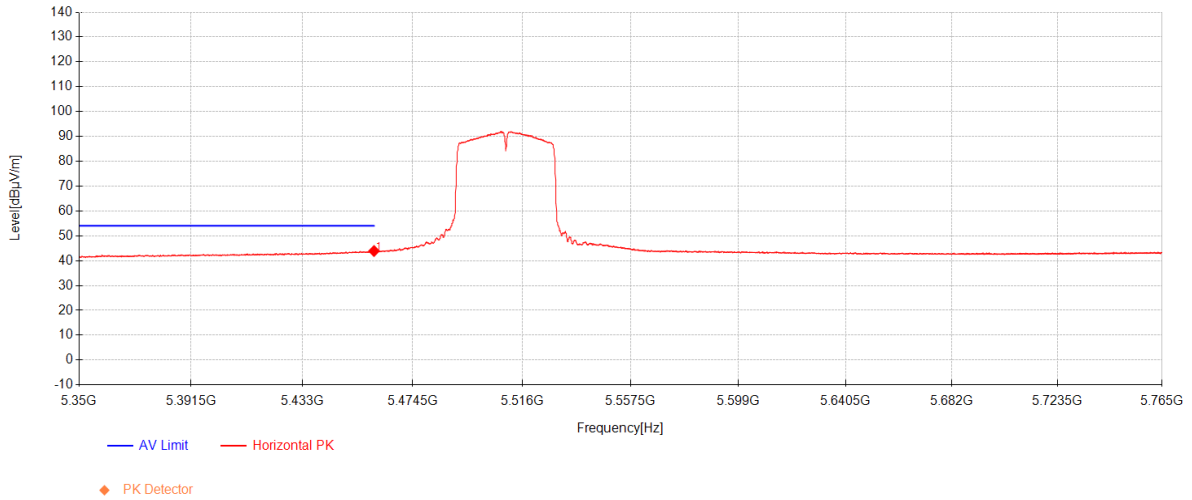
Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5452.4263	43.37	33.11	-17.24	59.24	74.00	14.76	105	291	Horizontal
2	5469.26	48.83	33.11	-17.22	64.72	68.30	3.58	105	291	Horizontal
3	5737.5	37.26	33.91	-16.61	54.56	68.30	13.74	105	291	Horizontal



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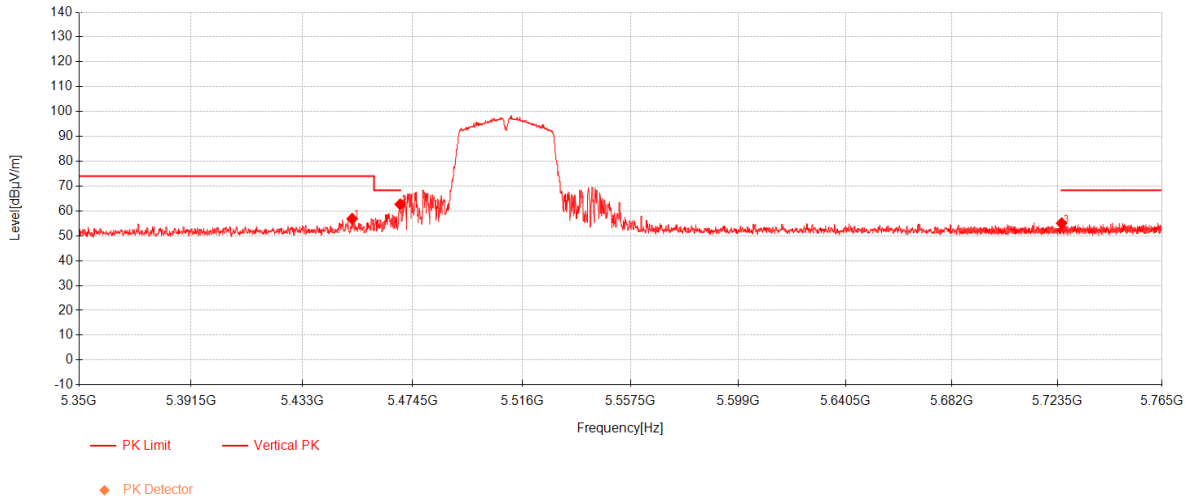
Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5459.9638	28.00	33.11	-17.23	43.88	54.00	10.12	105	291	Horizontal



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802.11n40_Channel 102



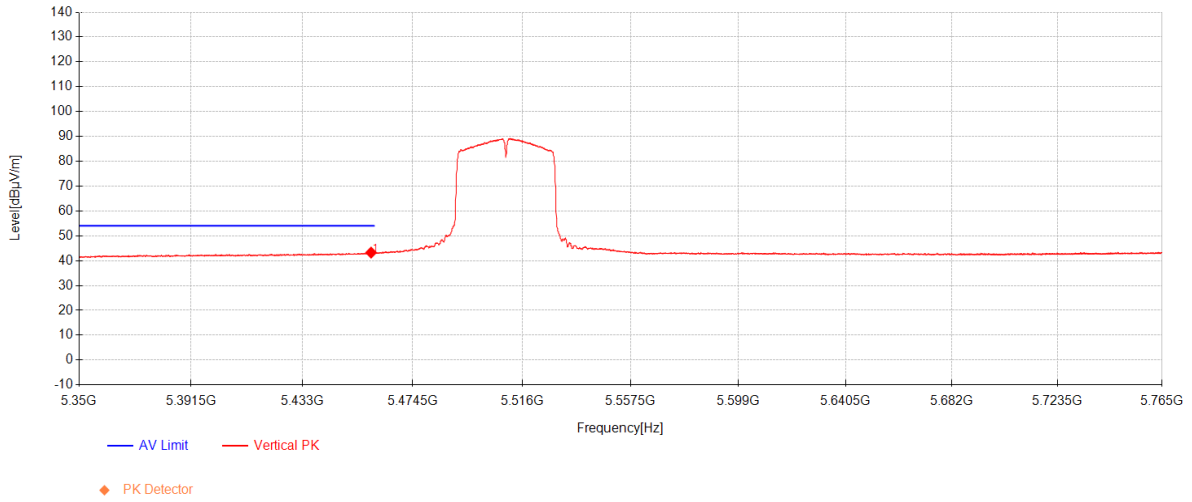
ata List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5451.7562	40.99	33.11	-17.24	56.86	74.00	17.14	102	254	Vertical
2	5469.8462	46.80	33.11	-17.22	62.69	68.30	5.61	102	254	Vertical
3	5725.18	37.91	33.87	-16.69	55.08	68.30	13.22	102	254	Vertical



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802.11n40_Channel 102



Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5458.875	27.37	33.11	-17.23	43.25	54.00	10.75	102	254	Vertical

Remark:

- The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier gain. The basic equation with a sample calculation is as follows:
 $Level = Reading(dB\mu V) + AF(dB/m) + Factor(dB)$
 $AF = Antenna\ Factor(dB/m)$
 $Factor = Cable\ Factor(dB) - Preamplifier\ gain(dB)$
 $Margin = Limit(dB\mu V/m) - Level(dB\mu V/m)$
- Both peak and average measured complies with the limit line, so test result is "PASS".

---End of Report---



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