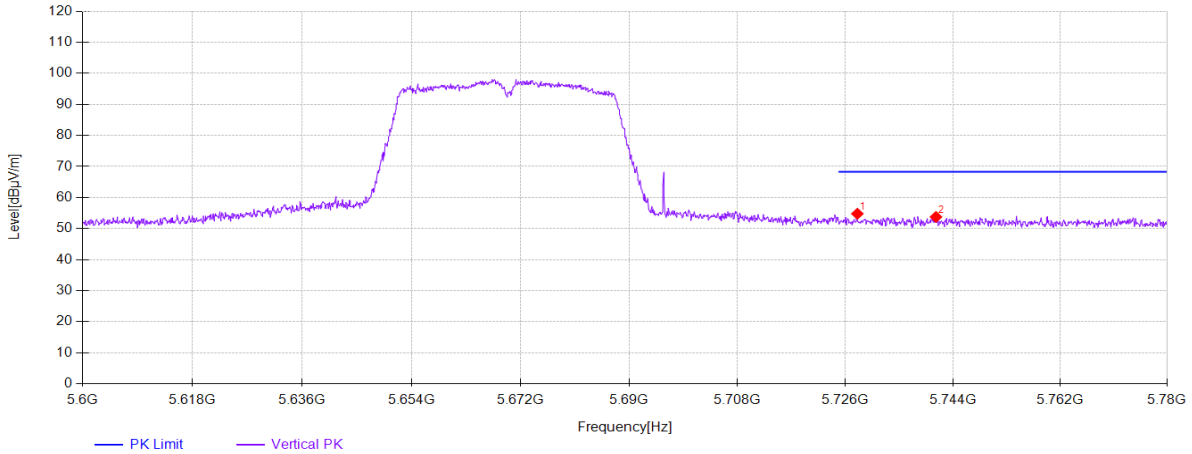




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802.11n40_Channel 134



Final 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	5728.044	38.69	32.50	-16.41	54.78	68.30	13.52	341	172	Vertical
2	5741.1906	37.71	32.50	-16.47	53.74	68.30	14.56	341	172	Vertical



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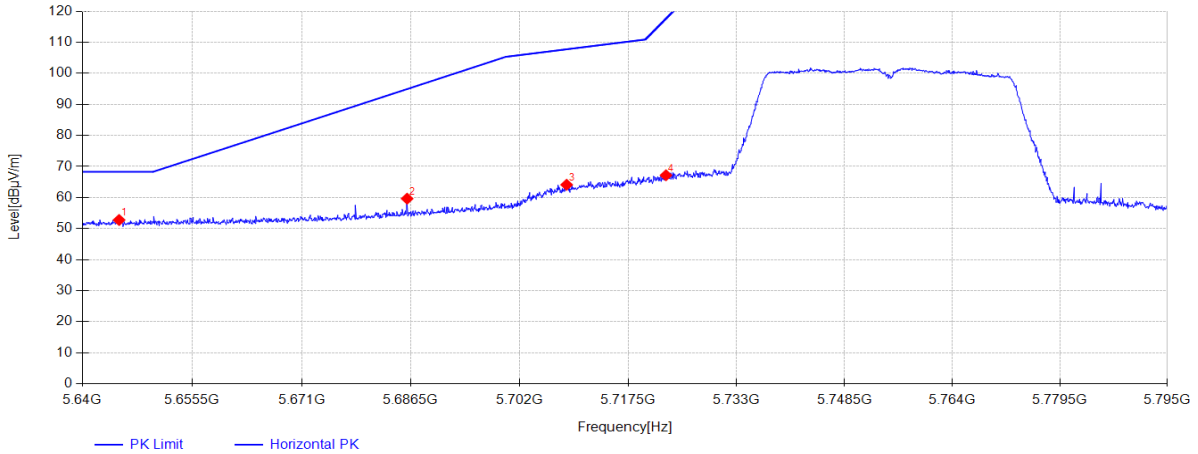
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802.11n40_Channel 151



Final 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	5645.1951	36.77	32.51	-16.51	52.77	68.30	15.53	142	225	Horizontal
2	5685.9805	43.48	32.50	-16.34	59.64	94.93	35.29	142	225	Horizontal
3	5708.6994	47.93	32.50	-16.32	64.11	107.74	43.63	142	225	Horizontal
4	5722.8889	51.05	32.50	-16.38	67.17	117.49	50.32	142	225	Horizontal



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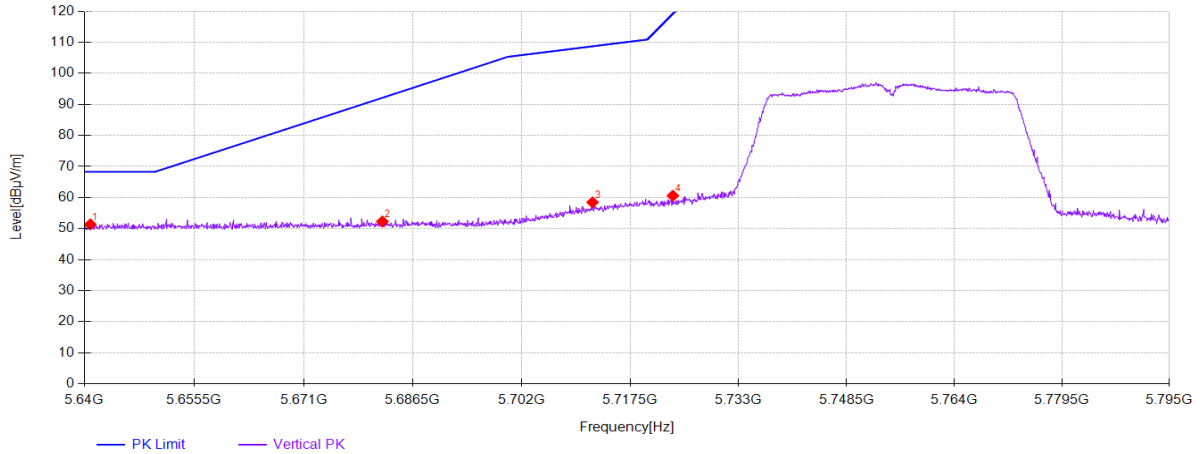
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Final Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5640.8529	35.39	32.52	-16.53	51.38	68.30	16.92	358	112	Vertical
2	5682.1811	36.14	32.50	-16.35	52.29	92.11	39.82	358	112	Vertical
3	5712.1111	42.29	32.50	-16.33	58.46	108.69	50.23	358	112	Vertical
4	5723.5868	44.49	32.50	-16.39	60.60	119.08	58.48	358	112	Vertical



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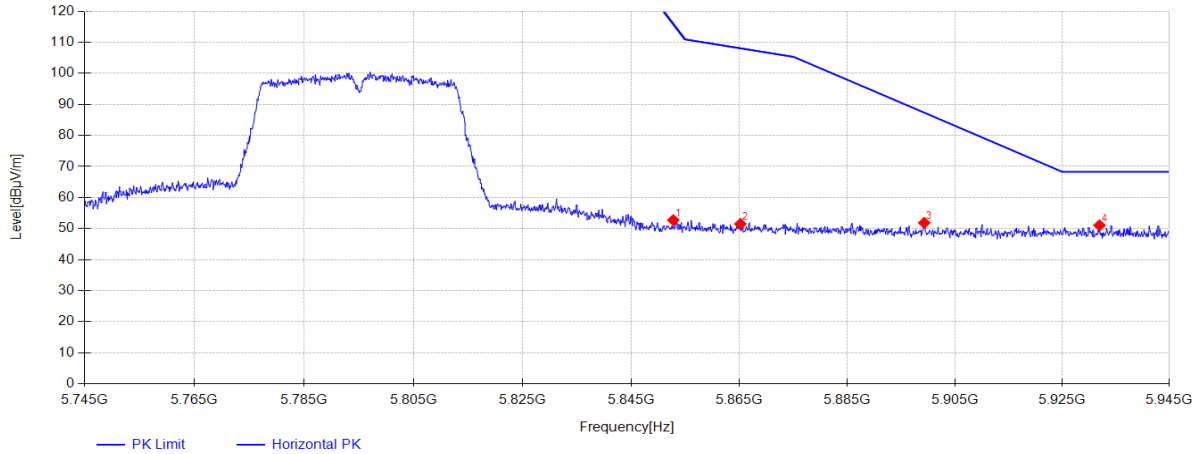
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Final Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5852.7539	36.69	32.61	-16.58	52.72	116.02	63.30	108	225	Horizontal
2	5865.1601	35.38	32.66	-16.54	51.50	108.06	56.56	108	225	Horizontal
3	5899.2771	35.51	32.80	-16.44	51.87	87.33	35.46	108	225	Horizontal
4	5931.9935	34.70	32.86	-16.50	51.06	68.30	17.24	108	225	Horizontal



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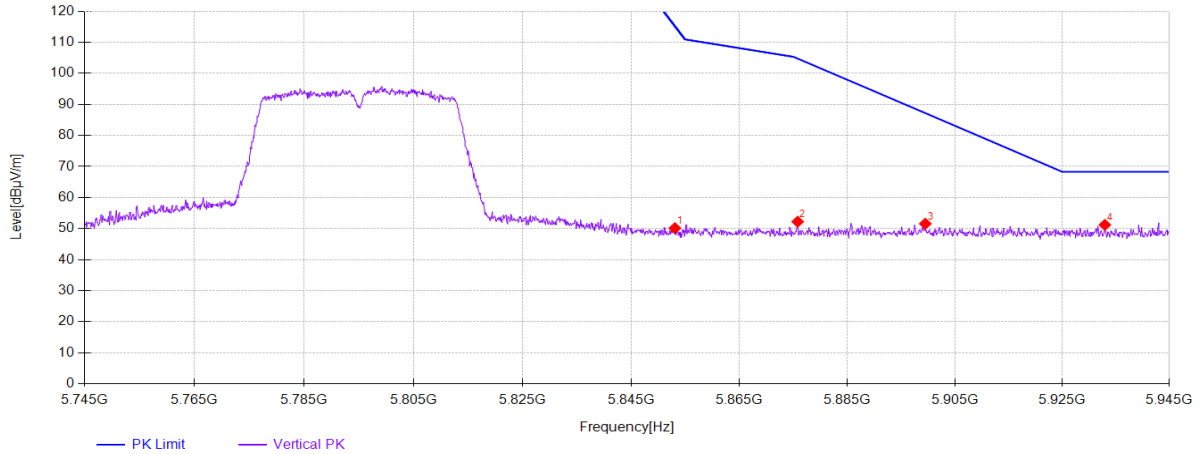
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Final Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5853.054	34.11	32.61	-16.58	50.14	115.34	65.20	357	124	Vertical
2	5875.7654	36.04	32.70	-16.51	52.23	104.73	52.50	357	124	Vertical
3	5899.4772	35.21	32.80	-16.44	51.57	87.19	35.62	357	124	Vertical
4	5932.994	34.83	32.87	-16.50	51.20	68.30	17.10	357	124	Vertical



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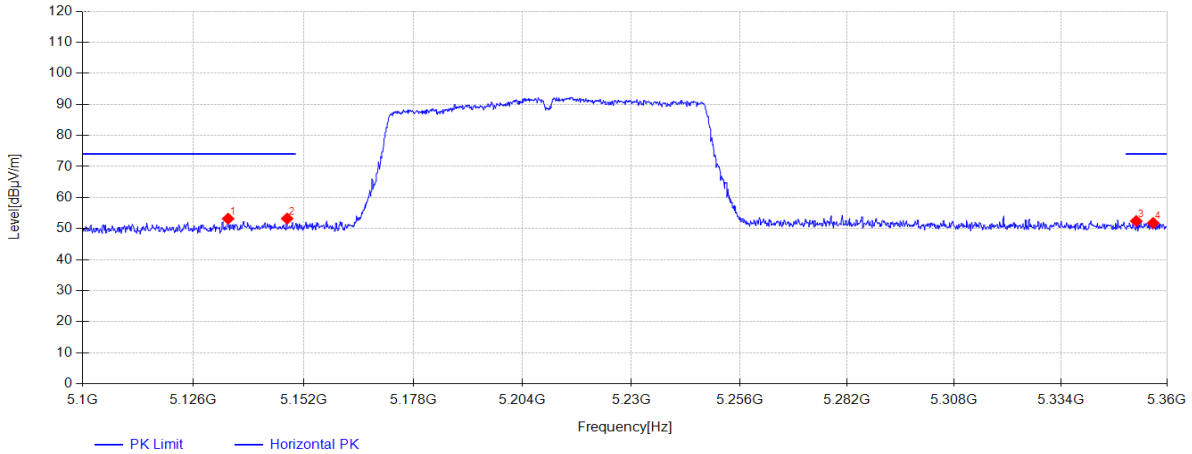
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802.11ac80_Channel 42



Final 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	5134.2071	39.21	31.71	-17.73	53.19	74.00	20.81	104	228	Horizontal
2	5148.1241	39.13	31.79	-17.69	53.23	74.00	20.77	104	228	Horizontal
3	5352.4562	37.48	32.21	-17.25	52.44	74.00	21.56	104	228	Horizontal
4	5356.6183	36.82	32.24	-17.25	51.81	74.00	22.19	104	228	Horizontal



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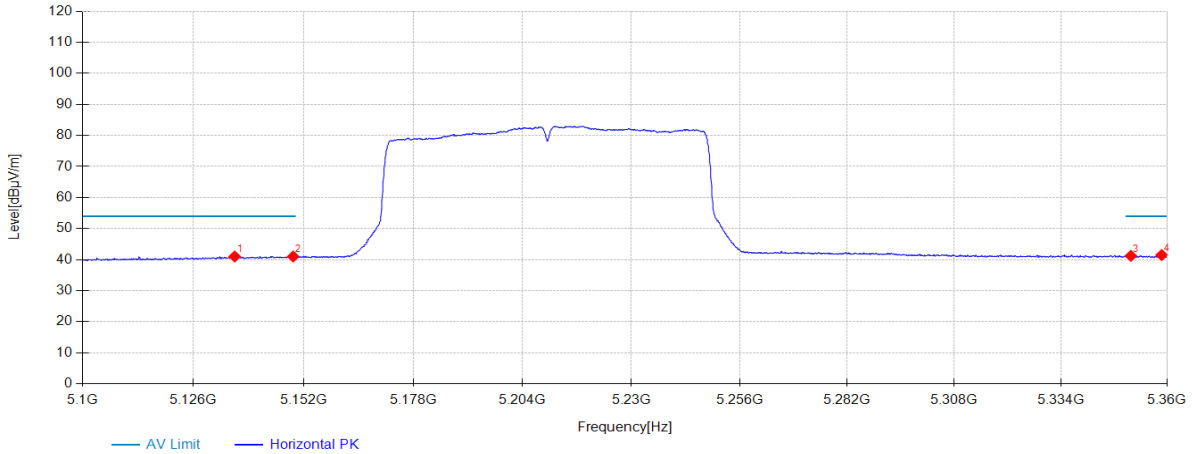
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Final Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5135.7679	27.03	31.71	-17.73	41.01	54.00	12.99	104	228	Horizontal
2	5149.5548	26.90	31.80	-17.69	41.01	54.00	12.99	104	228	Horizontal
3	5351.1556	26.26	32.21	-17.25	41.22	54.00	12.78	104	228	Horizontal
4	5358.6994	26.48	32.25	-17.25	41.48	54.00	12.52	104	228	Horizontal



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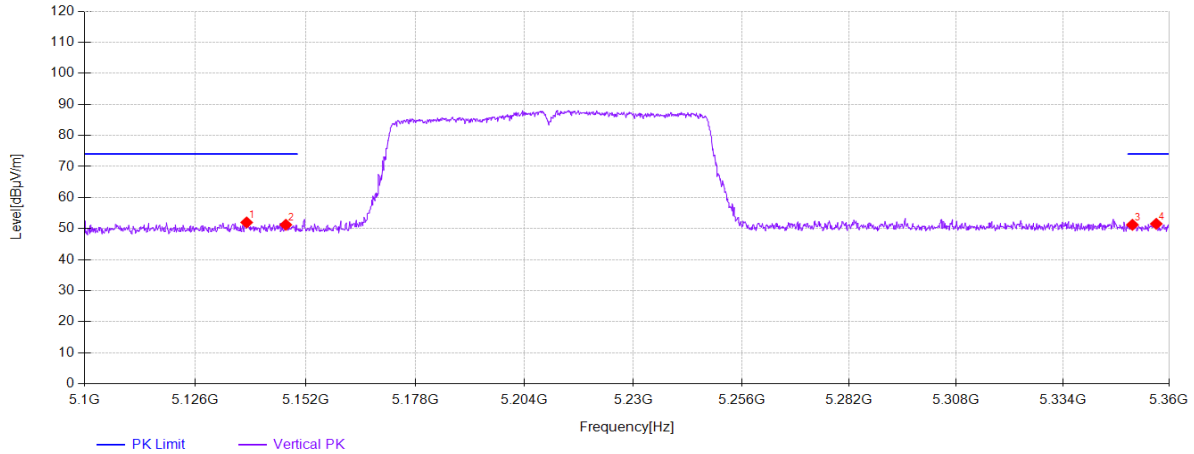
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Final Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5138.1091	37.97	31.73	-17.72	51.98	74.00	22.02	343	176	Vertical
2	5147.3437	37.13	31.78	-17.69	51.22	74.00	22.78	343	176	Vertical
3	5351.0255	36.27	32.21	-17.25	51.23	74.00	22.77	343	176	Vertical
4	5356.8784	36.54	32.24	-17.25	51.53	74.00	22.47	343	176	Vertical



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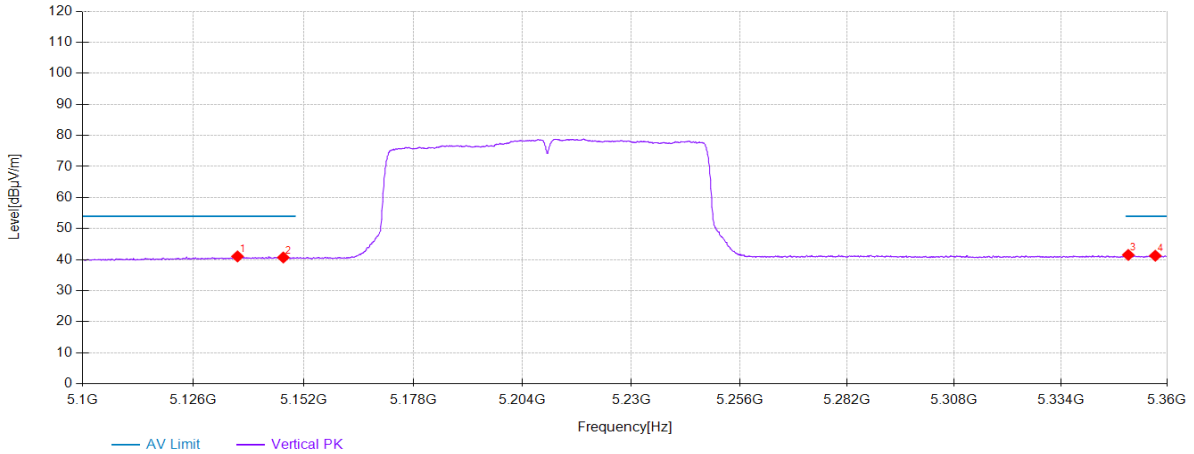
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Final Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5136.4182	27.06	31.72	-17.73	41.05	54.00	12.95	343	176	Vertical
2	5147.2136	26.61	31.78	-17.69	40.70	54.00	13.30	343	176	Vertical
3	5350.5053	26.57	32.20	-17.25	41.52	54.00	12.48	343	176	Vertical
4	5357.1386	26.28	32.24	-17.25	41.27	54.00	12.73	343	176	Vertical



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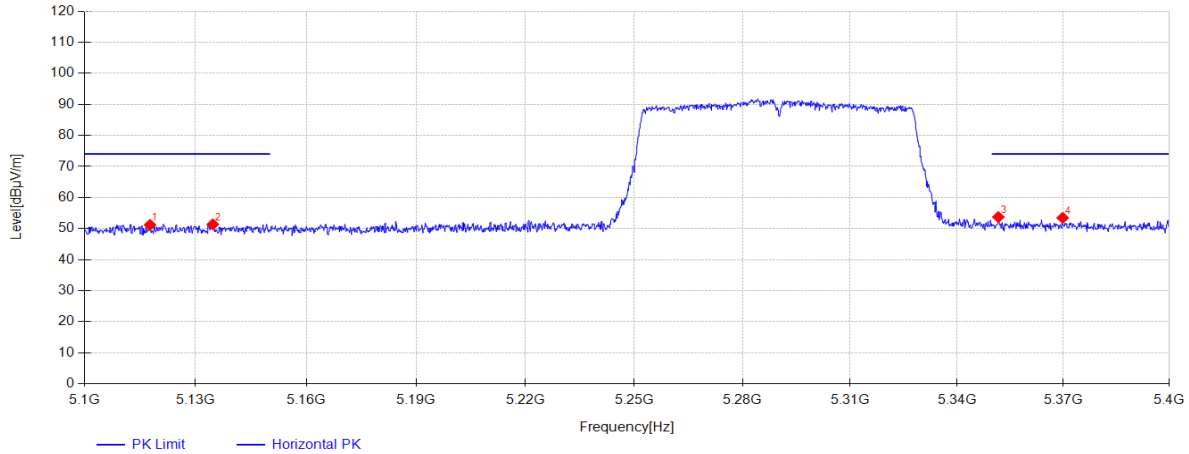
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802.11ac80_Channel 58



Final 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	5117.7089	37.37	31.61	-17.79	51.19	74.00	22.81	100	227	Horizontal
2	5134.6673	37.38	31.71	-17.73	51.36	74.00	22.64	100	227	Horizontal
3	5351.6758	38.76	32.21	-17.25	53.72	74.00	20.28	100	227	Horizontal
4	5369.8349	38.38	32.32	-17.25	53.45	74.00	20.55	100	227	Horizontal

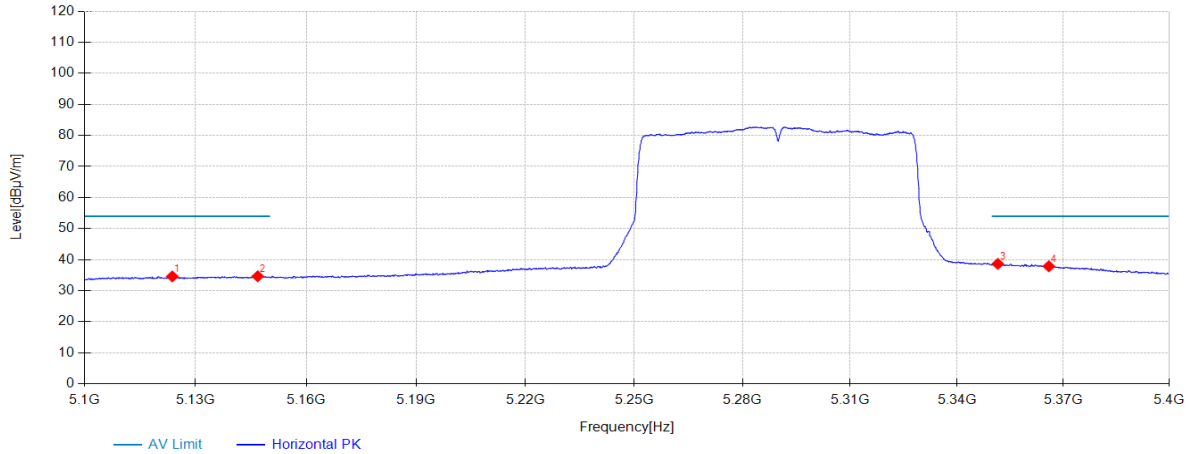


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802.11ac80_Channel 58



Final 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	5123.7119	20.73	31.64	-17.77	34.60	54.00	19.40	100	227	Horizontal
2	5146.8234	20.56	31.78	-17.69	34.65	54.00	19.35	100	227	Horizontal
3	5351.5258	23.68	32.21	-17.25	38.64	54.00	15.36	100	227	Horizontal
4	5365.933	22.82	32.30	-17.25	37.87	54.00	16.13	100	227	Horizontal



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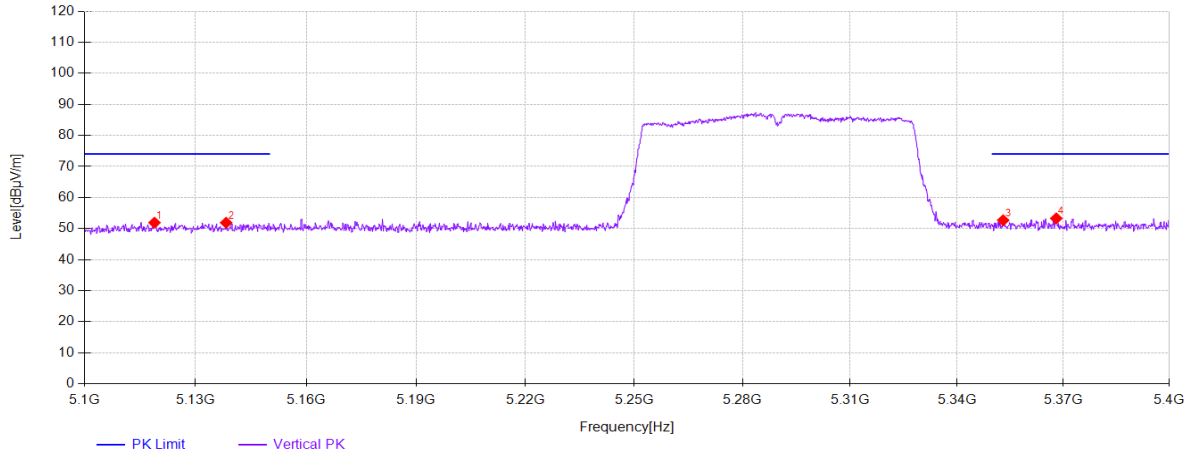
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802.11ac80_Channel 58



Final 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	5118.9095	38.08	31.61	-17.78	51.91	74.00	22.09	350	180	Vertical
2	5138.2691	37.88	31.73	-17.72	51.89	74.00	22.11	350	180	Vertical
3	5353.0265	37.71	32.22	-17.25	52.68	74.00	21.32	350	180	Vertical
4	5368.034	38.23	32.31	-17.25	53.29	74.00	20.71	350	180	Vertical



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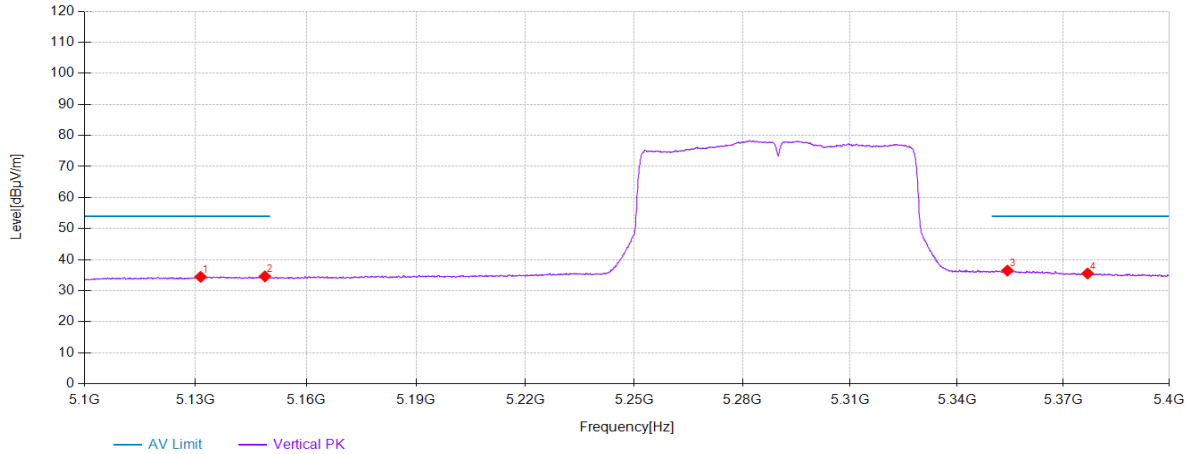
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802.11ac80_Channel 58



Final 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	5131.3657	20.52	31.69	-17.74	34.47	54.00	19.53	350	180	Vertical
2	5148.7744	20.52	31.79	-17.69	34.62	54.00	19.38	350	180	Vertical
3	5354.2271	21.51	32.23	-17.25	36.49	54.00	17.51	350	180	Vertical
4	5376.8884	20.44	32.36	-17.25	35.55	54.00	18.45	350	180	Vertical



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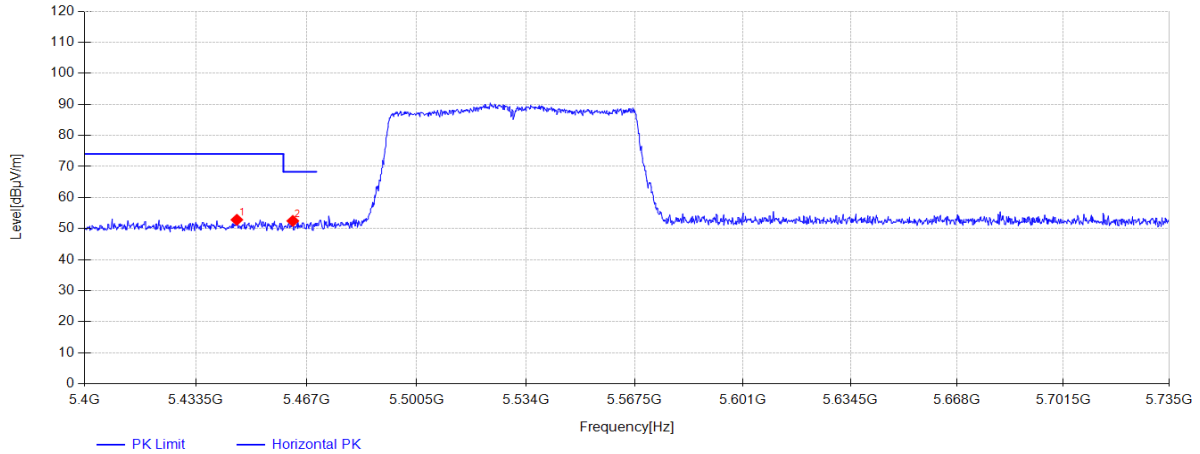
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Final Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5445.918	37.79	32.22	-17.17	52.84	74.00	21.16	100	226	Horizontal
2	5462.8439	37.36	32.25	-17.14	52.47	68.30	15.83	100	226	Horizontal



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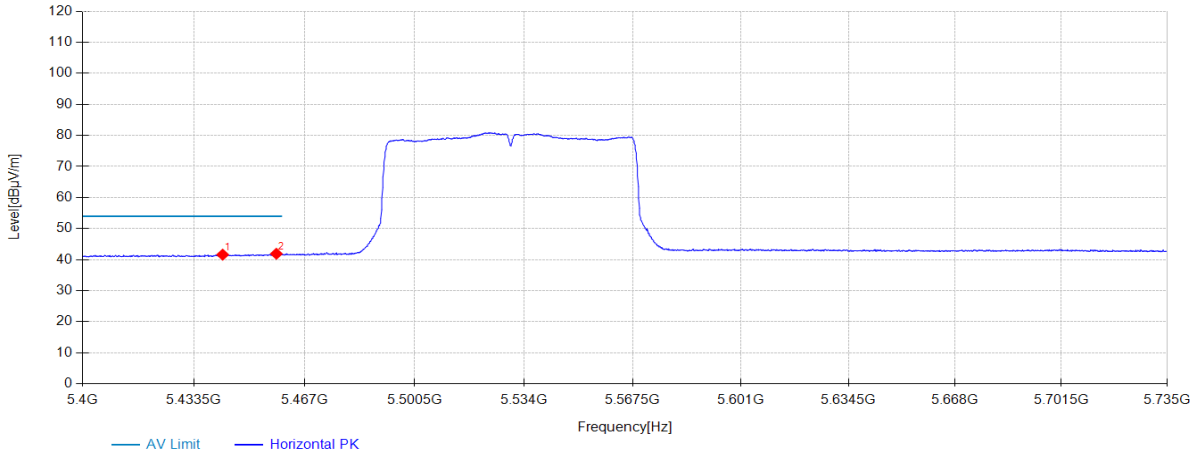
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Final Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5442.2311	26.53	32.25	-17.17	41.61	54.00	12.39	100	226	Horizontal
2	5458.4867	26.81	32.23	-17.14	41.90	54.00	12.10	100	226	Horizontal



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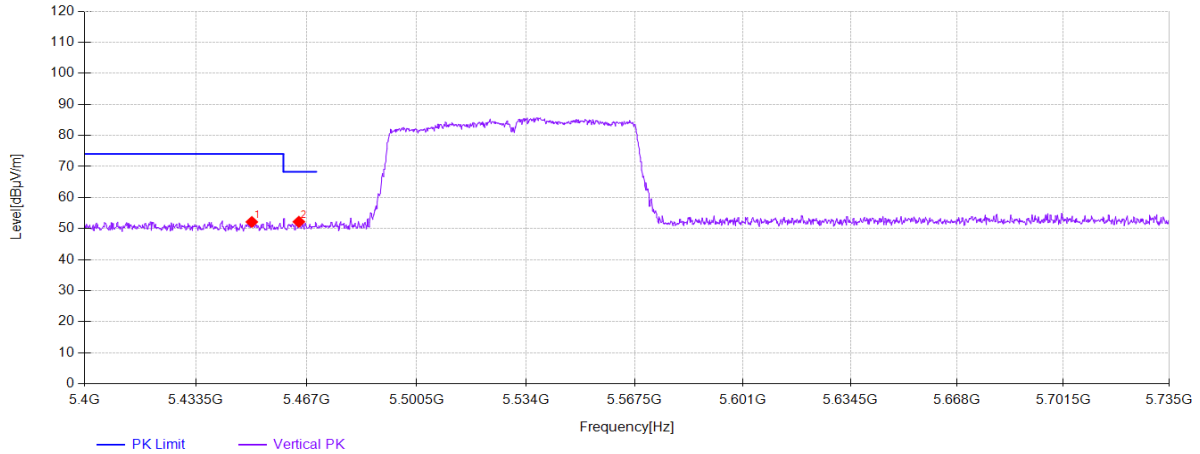
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Final Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5450.4427	37.10	32.20	-17.16	52.14	74.00	21.86	355	181	Vertical
2	5464.6873	37.07	32.26	-17.13	52.20	68.30	16.10	355	181	Vertical



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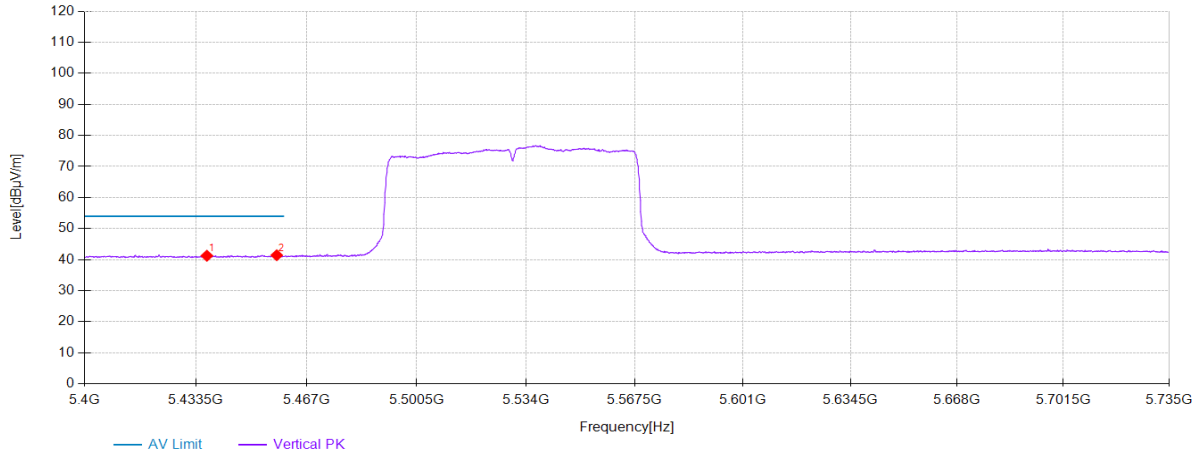
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802.11ac80_Channel 106



Final 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	5436.8684	26.16	32.28	-17.18	41.26	54.00	12.74	355	181	Vertical
2	5457.984	26.35	32.23	-17.15	41.43	54.00	12.57	355	181	Vertical



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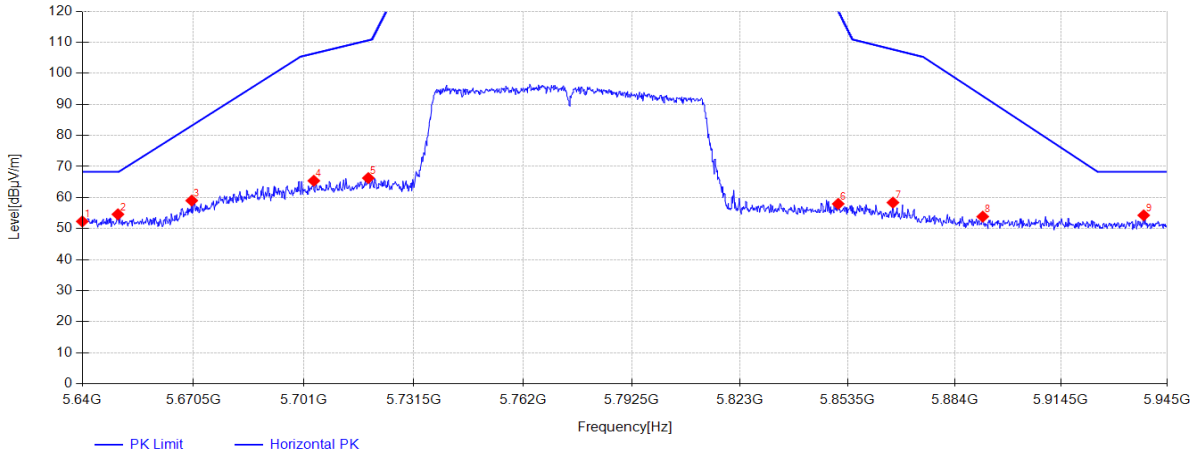
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802.11ac80_Channel 155

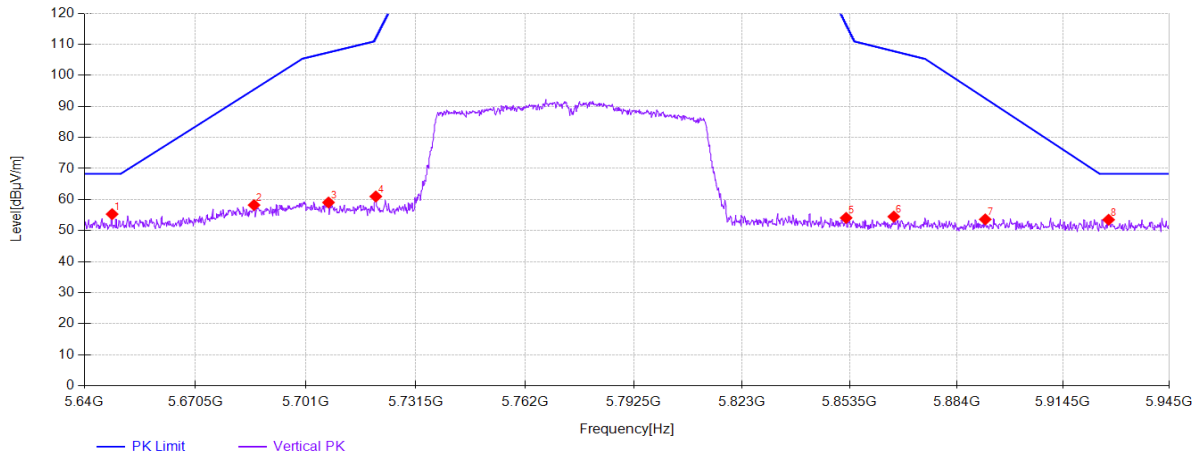


Final Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5640	36.32	32.52	-16.53	52.31	68.30	15.99	132	226	Horizontal
2	5649.7649	38.59	32.50	-16.49	54.60	68.30	13.70	132	226	Horizontal
3	5670.0575	42.92	32.50	-16.41	59.01	83.14	24.13	132	226	Horizontal
4	5703.7769	49.20	32.50	-16.30	65.40	106.36	40.96	132	226	Horizontal
5	5718.8819	50.14	32.50	-16.36	66.28	110.59	44.31	132	226	Horizontal
6	5850.8604	41.95	32.60	-16.58	57.97	120.34	62.37	132	226	Horizontal
7	5866.4232	42.25	32.67	-16.54	58.38	107.70	49.32	132	226	Horizontal
8	5892.056	37.55	32.77	-16.46	53.86	92.68	38.82	132	226	Horizontal
9	5938.2866	37.92	32.88	-16.51	54.29	68.30	14.01	132	226	Horizontal



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802.11ac80_Channel 155


Final 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	5647.6288	39.31	32.50	-16.50	55.31	68.30	12.99	356	112	Vertical
2	5686.6883	42.07	32.50	-16.34	58.23	95.45	37.22	356	112	Vertical
3	5707.2861	42.87	32.50	-16.31	59.06	107.34	48.28	356	112	Vertical
4	5720.4077	44.86	32.50	-16.37	60.99	111.83	50.84	356	112	Vertical
5	5852.5388	38.06	32.61	-16.58	54.09	116.51	62.42	356	112	Vertical
6	5866.1181	38.38	32.66	-16.54	54.50	107.79	53.29	356	112	Vertical
7	5892.2086	37.31	32.77	-16.46	53.62	92.57	38.95	356	112	Vertical
8	5927.6063	37.12	32.86	-16.49	53.49	68.30	14.81	356	112	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:

$$\text{Level} = \text{Reading}(\text{dB}\mu\text{V}) + \text{AF}(\text{dB}/\text{m}) + \text{Factor}(\text{dB})$$

$$\text{AF} = \text{Antenna Factor}(\text{dB}/\text{m})$$

$$\text{Factor} = \text{Cable Factor}(\text{dB}) - \text{Preamplifier gain}(\text{dB})$$

$$\text{Margin} = \text{Limit}(\text{dB}\mu\text{V}/\text{m}) - \text{Level}(\text{dB}\mu\text{V}/\text{m})$$
- For 802.11ac VHT20 and 802.11ac VHT40 mode, the whole testing have assessed only, 802.11ac VHT20/40 by referring to their higher output power.
- Both peak and average measured complies with the limit line, so test result is "PASS".



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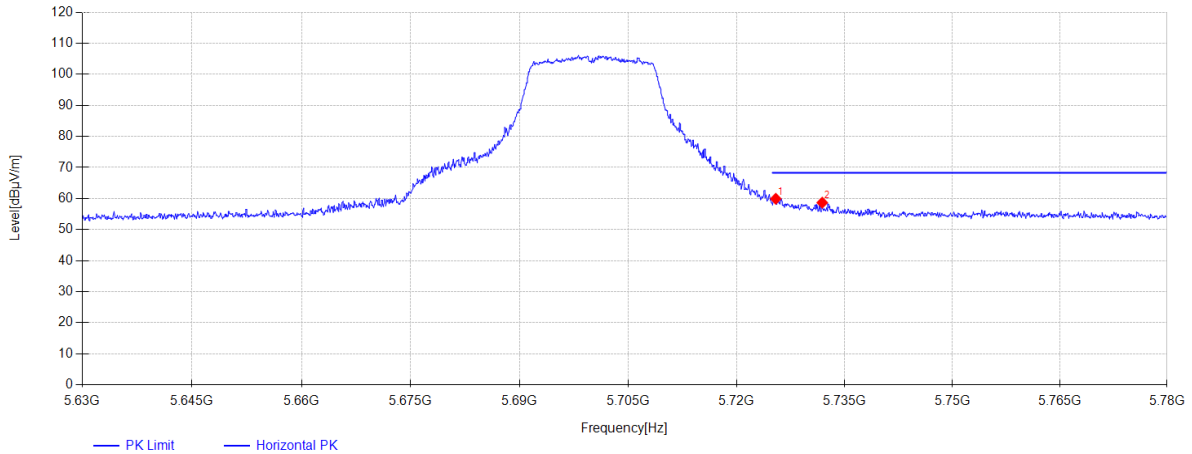
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Test on the worst case:
802.11a_Channel 140

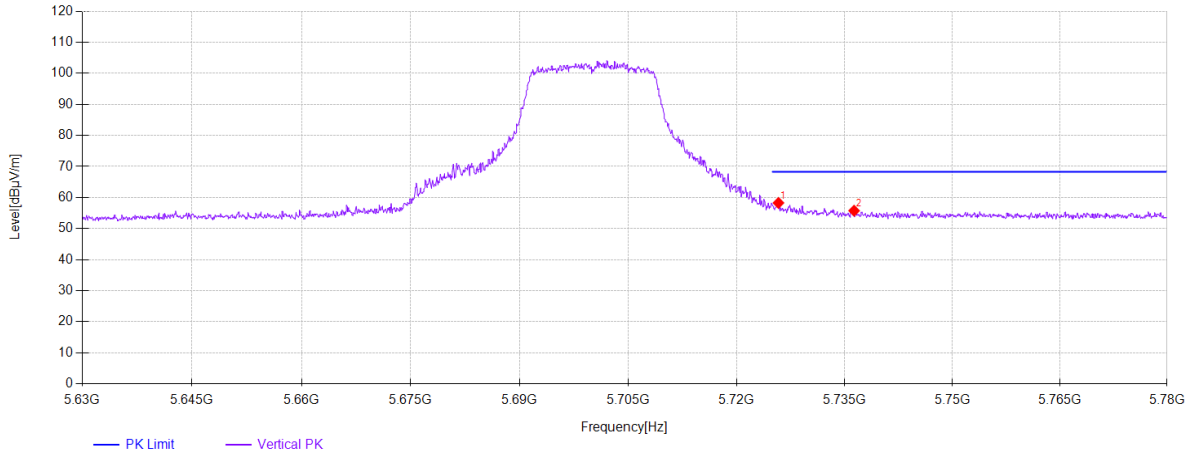


Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5725.4477	40.57	32.50	-13.14	59.93	68.30	8.37	Horizontal
2	5731.901	39.32	32.50	-13.14	58.68	68.30	9.62	Horizontal



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802.11a_Channel 140


Final Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5725.8229	38.91	32.50	-13.14	58.27	68.30	10.03	Vertical
2	5736.3282	36.45	32.50	-13.19	55.76	68.30	12.54	Vertical

Remark:

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

---End of Report---

