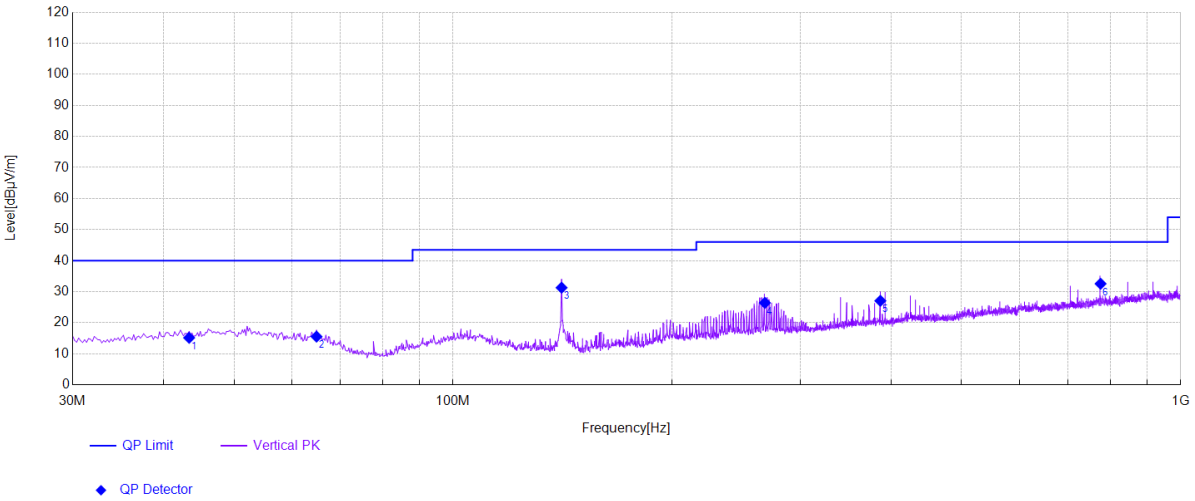

Data List								
NO.	Freq. [MHz]	AF[dB/m]	Factor [dB]	QP Reading[dBμV]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Polarity
1	43.3887	13.74	-27.61	29.03	15.16	40.00	24.84	Vertical
2	64.927	12.10	-27.02	30.47	15.55	40.00	24.45	Vertical
3	140.9902	7.80	-26.51	50.01	31.30	43.50	12.20	Vertical
4	268.2797	12.53	-25.25	39.14	26.42	46.00	19.58	Vertical
5	386.6433	15.20	-25.10	36.97	27.07	46.00	18.93	Vertical
6	776.2733	20.43	-23.21	35.35	32.57	46.00	13.43	Vertical

Remark:

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

   Value = Reading(dBμV) + AF(dB/m) + Factor(dB):

   AF = Antenna Factor(dB/m)

   Factor = Cable Factor(dB) - Preamplifier gain(dB)

   Margin = Limit(dBμV/m) – Value(dBμV/m)

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

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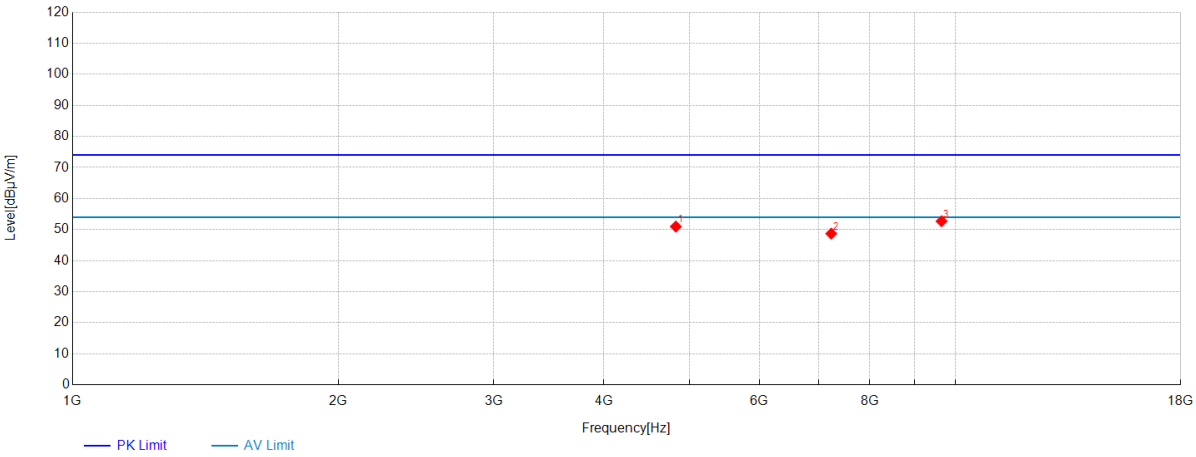
Transmitter emission Above 1GHz

802.11b_Channel 1



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4824	66.07	32.59	-47.69	50.97	74.00	23.03	Horizontal
2	7236	56.53	37.17	-44.99	48.71	74.00	25.29	Horizontal
3	9648	54.97	38.82	-41.09	52.70	74.00	21.30	Horizontal

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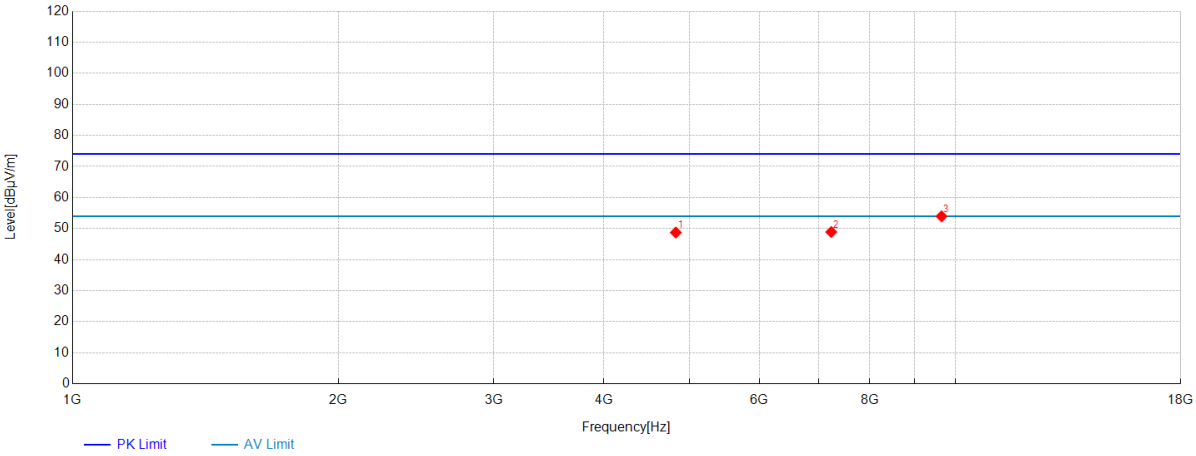
802.11b_Channel 1



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4824	63.84	32.59	-47.69	48.74	74.00	25.26	Vertical
2	7236	56.73	37.17	-44.99	48.91	74.00	25.09	Vertical
3	9648	56.22	38.82	-41.09	53.95	74.00	20.05	Vertical

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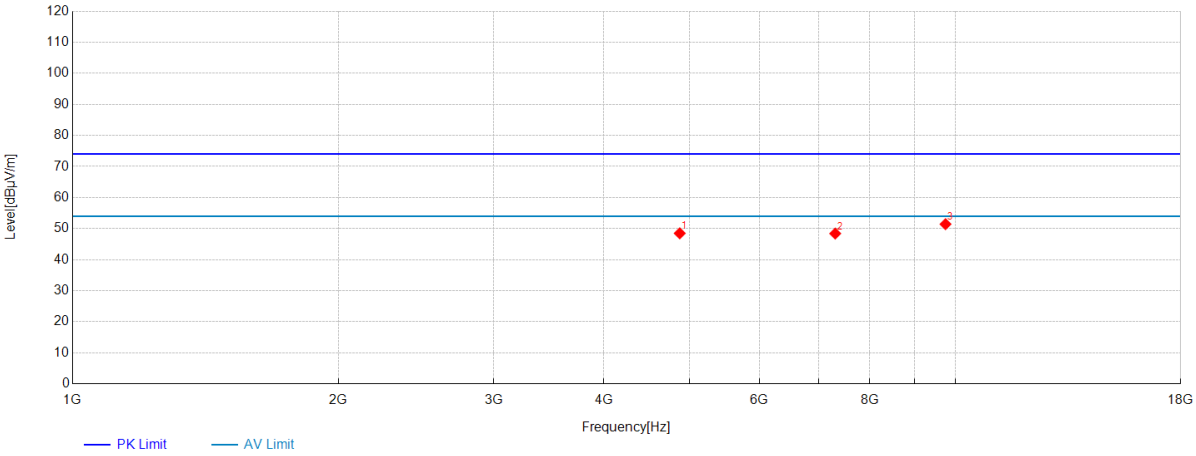
802.11b_Channel 6



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4874	63.13	32.94	-47.59	48.48	74.00	25.52	Horizontal
2	7311	56.52	37.06	-45.17	48.41	74.00	25.59	Horizontal
3	9748	53.68	38.80	-41.05	51.43	74.00	22.57	Horizontal

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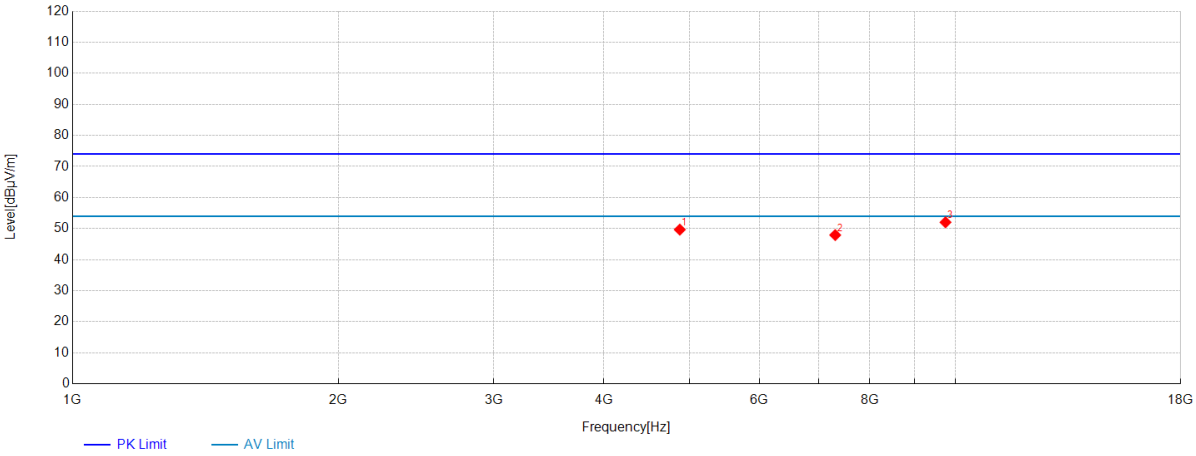
802.11b_Channel 6



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4874	64.32	32.94	-47.59	49.67	74.00	24.33	Vertical
2	7311	56.03	37.06	-45.17	47.92	74.00	26.08	Vertical
3	9748	54.29	38.80	-41.05	52.04	74.00	21.96	Vertical

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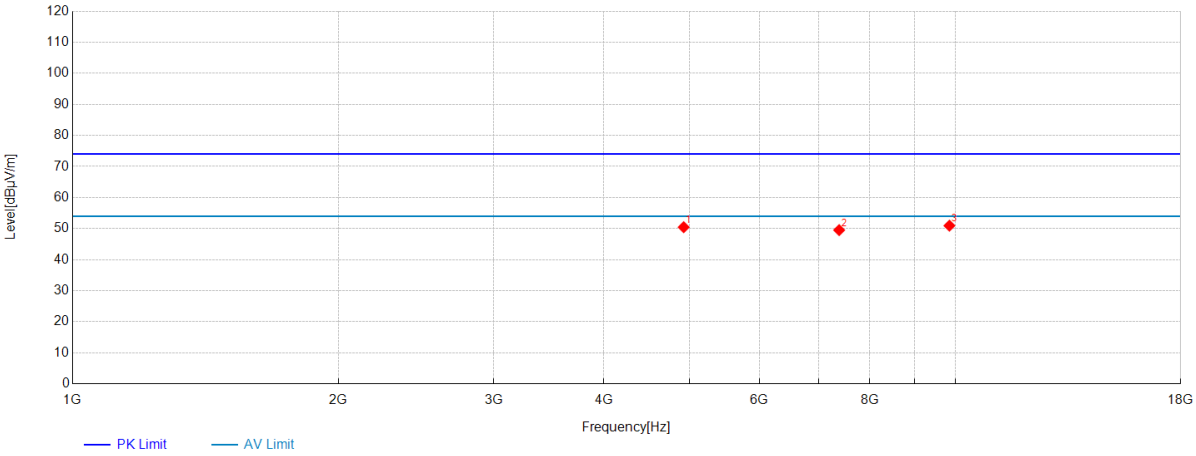
802.11b_Channel 11



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4924	64.68	33.15	-47.37	50.46	74.00	23.54	Horizontal
2	7386	56.77	36.83	-44.08	49.52	74.00	24.48	Horizontal
3	9848	53.38	38.80	-41.23	50.95	74.00	23.05	Horizontal

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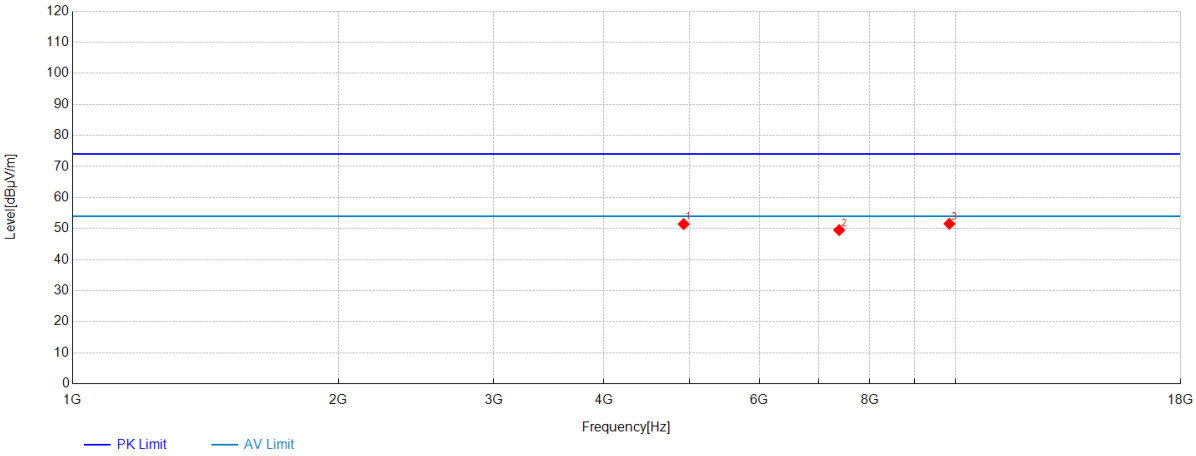
802.11b_Channel 11



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4924	65.68	33.15	-47.37	51.46	74.00	22.54	Vertical
2	7386	56.77	36.83	-44.08	49.52	74.00	24.48	Vertical
3	9848	53.99	38.80	-41.23	51.56	74.00	22.44	Vertical

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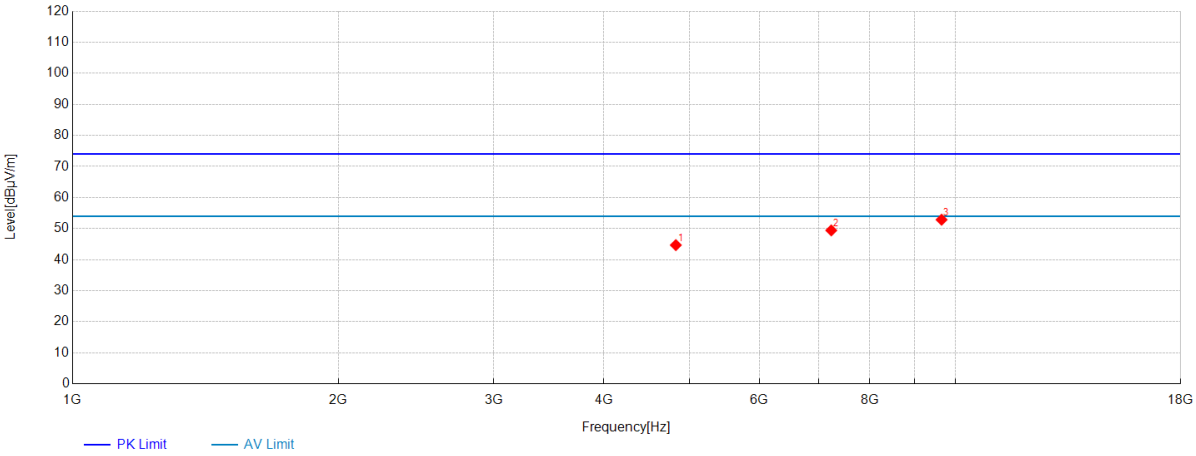
802.11g_Channel 1



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4824	59.78	32.59	-47.69	44.68	74.00	29.32	Horizontal
2	7236	57.25	37.17	-44.99	49.43	74.00	24.57	Horizontal
3	9648	55.13	38.82	-41.09	52.86	74.00	21.14	Horizontal

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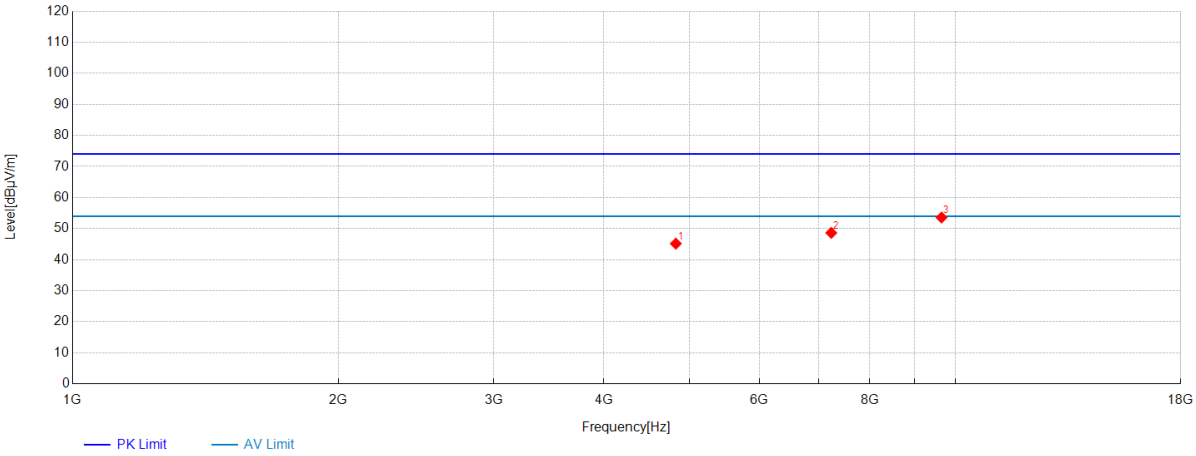

Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4824	60.26	32.59	-47.69	45.16	74.00	28.84	Vertical
2	7236	56.45	37.17	-44.99	48.63	74.00	25.37	Vertical
3	9648	55.84	38.82	-41.09	53.57	74.00	20.43	Vertical

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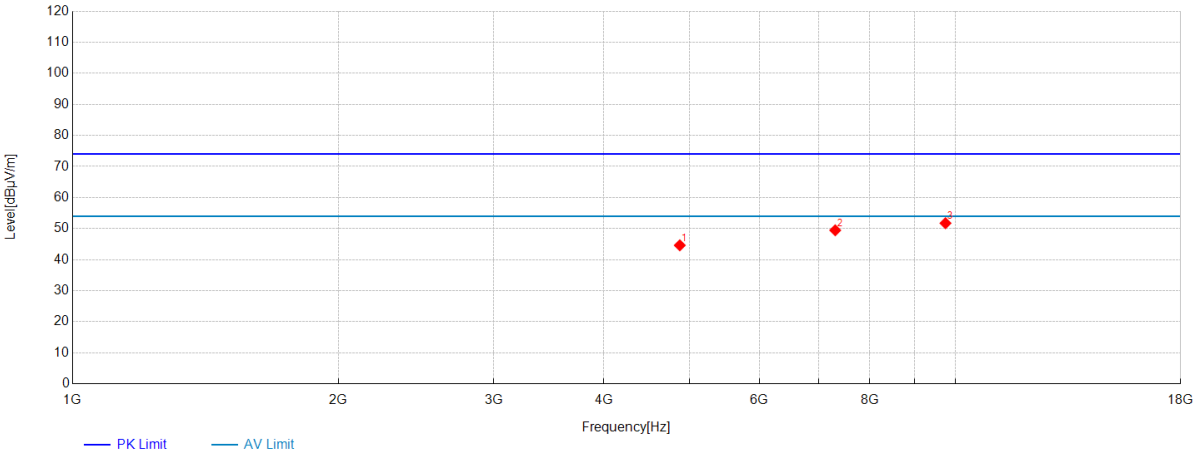

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4874	59.27	32.94	-47.59	44.62	74.00	29.38	Horizontal
2	7311	57.57	37.06	-45.17	49.46	74.00	24.54	Horizontal
3	9748	53.99	38.80	-41.05	51.74	74.00	22.26	Horizontal

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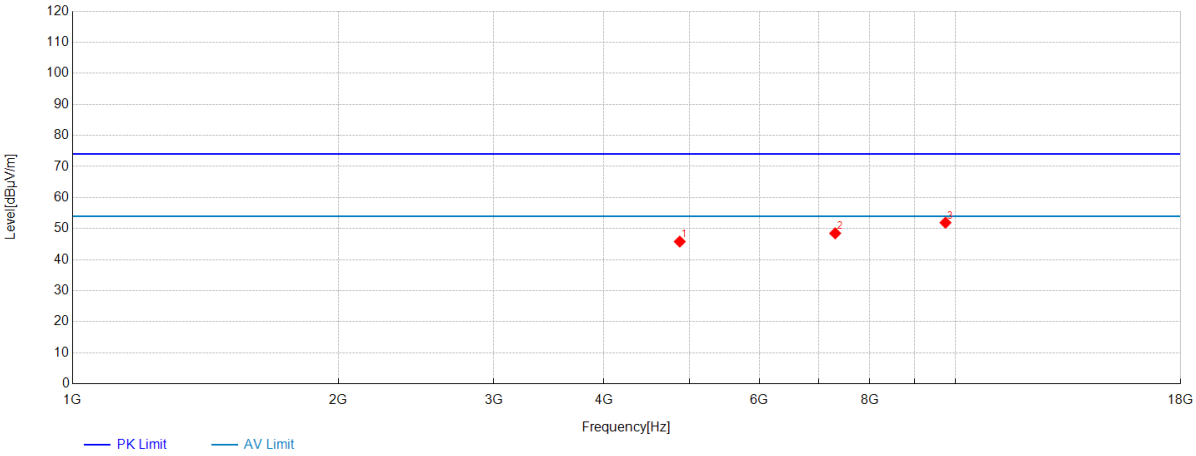
802.11g_Channel 6



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1	4874	60.46	32.94	-47.59	45.81	74.00	28.19	Vertical
2	7311	56.59	37.06	-45.17	48.48	74.00	25.52	Vertical
3	9748	54.16	38.80	-41.05	51.91	74.00	22.09	Vertical

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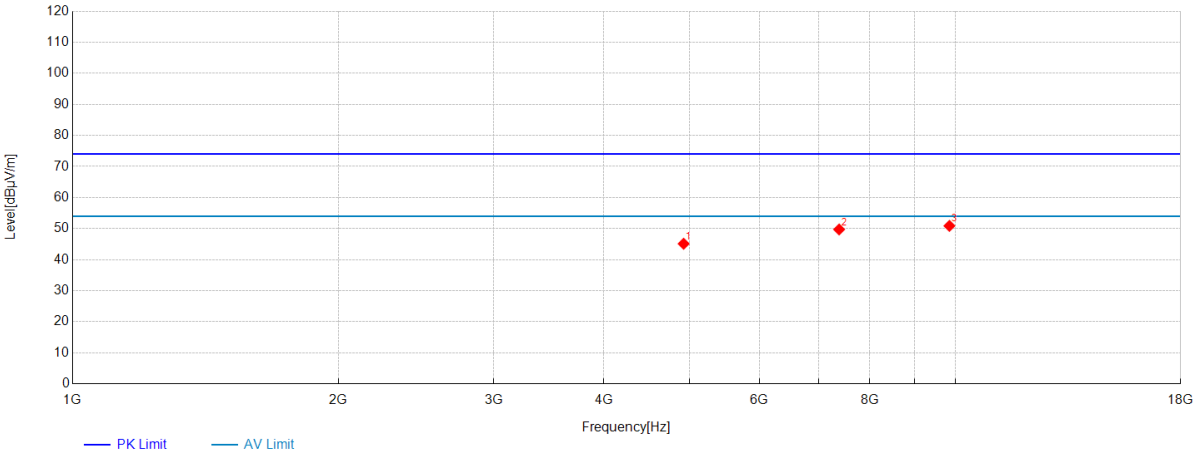

Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4924	59.34	33.15	-47.37	45.12	74.00	28.88	Horizontal
2	7386	56.98	36.83	-44.08	49.73	74.00	24.27	Horizontal
3	9848	53.31	38.80	-41.23	50.88	74.00	23.12	Horizontal

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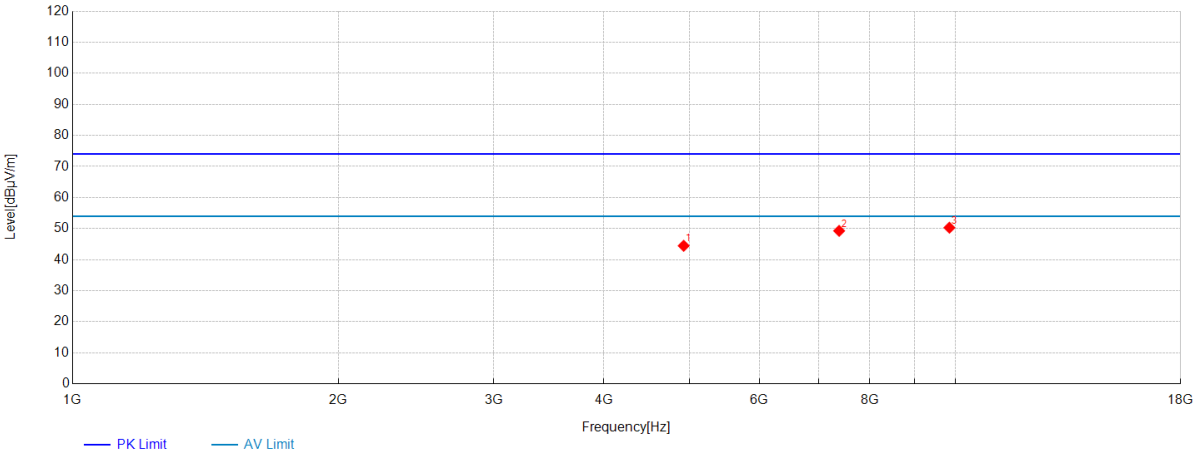

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4924	58.69	33.15	-47.37	44.47	74.00	29.53	Vertical
2	7386	56.52	36.83	-44.08	49.27	74.00	24.73	Vertical
3	9848	52.72	38.80	-41.23	50.29	74.00	23.71	Vertical

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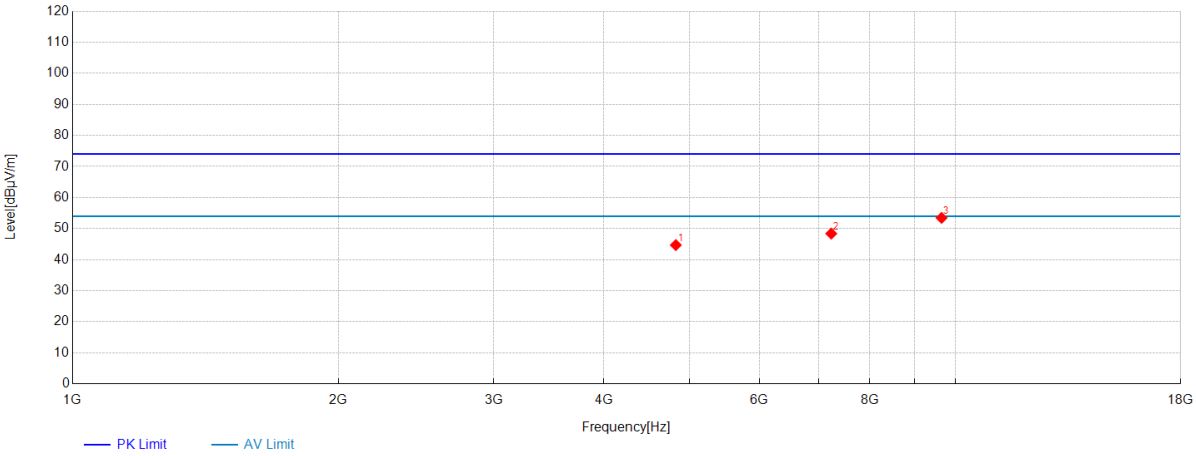
802.11n20_Channel 1



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4824	59.80	32.59	-47.69	44.70	74.00	29.30	Horizontal
2	7236	56.21	37.17	-44.99	48.39	74.00	25.61	Horizontal
3	9648	55.72	38.82	-41.09	53.45	74.00	20.55	Horizontal

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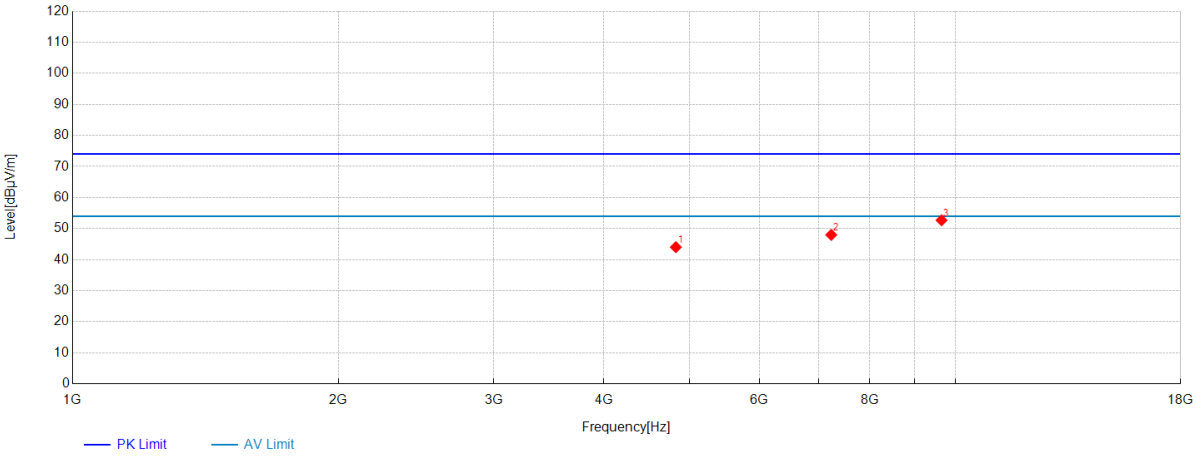
802.11n20_Channel 1



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4824	59.12	32.59	-47.69	44.02	74.00	29.98	Vertical
2	7236	55.80	37.17	-44.99	47.98	74.00	26.02	Vertical
3	9648	54.96	38.82	-41.09	52.69	74.00	21.31	Vertical

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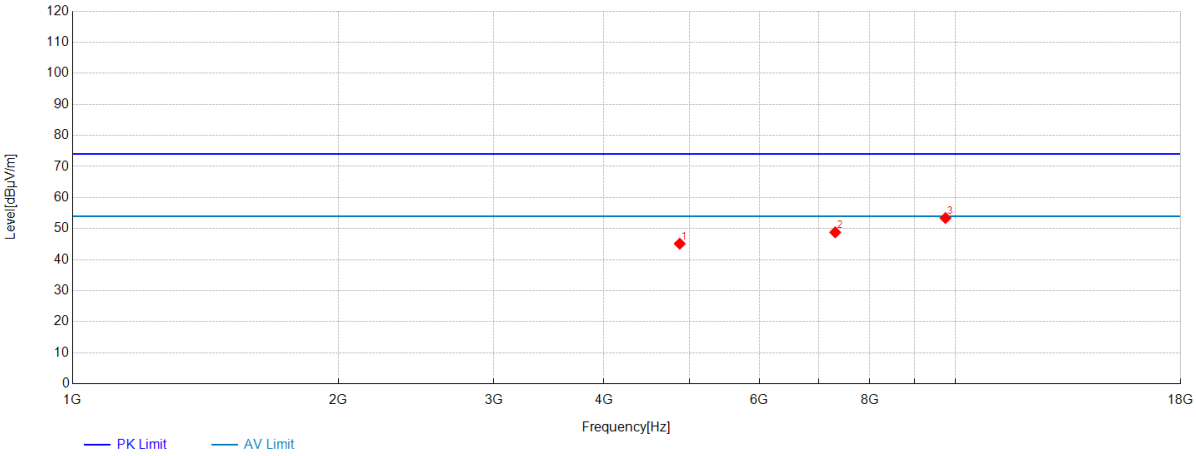

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4874	59.79	32.94	-47.59	45.14	74.00	28.86	Horizontal
2	7311	56.91	37.06	-45.17	48.80	74.00	25.20	Horizontal
3	9748	55.66	38.80	-41.05	53.41	74.00	20.59	Horizontal

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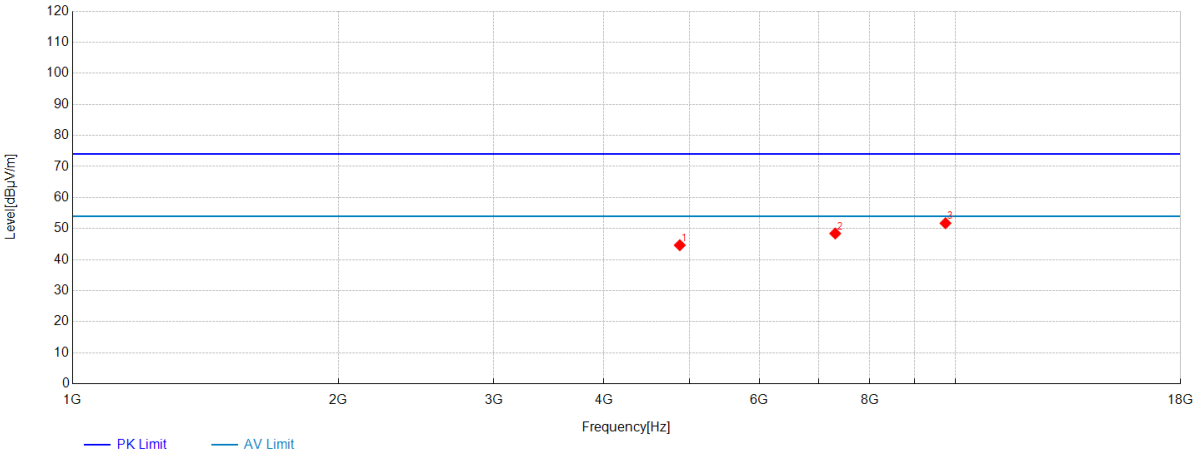

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4874	59.30	32.94	-47.59	44.65	74.00	29.35	Vertical
2	7311	56.53	37.06	-45.17	48.42	74.00	25.58	Vertical
3	9748	53.98	38.80	-41.05	51.73	74.00	22.27	Vertical

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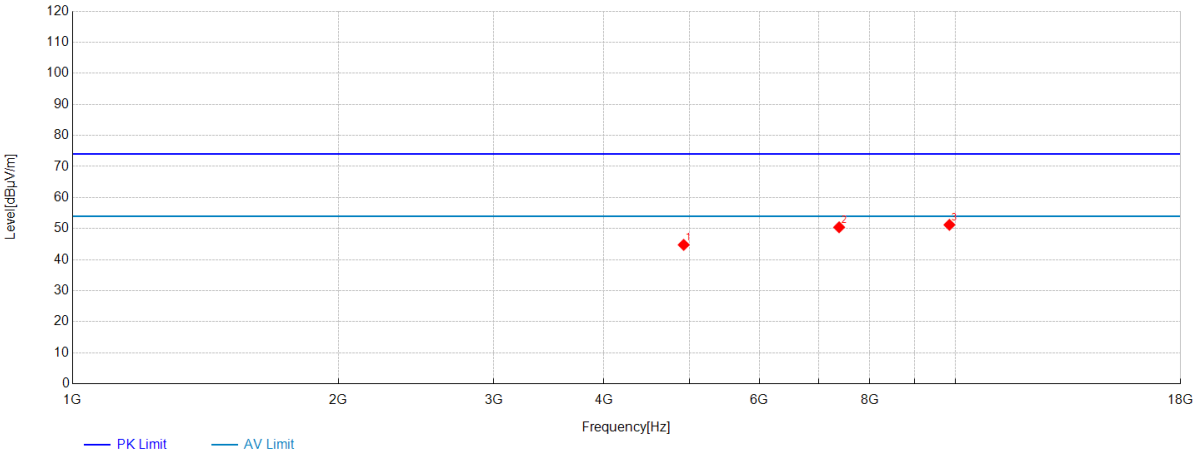

Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4924	58.99	33.15	-47.37	44.77	74.00	29.23	Horizontal
2	7386	57.68	36.83	-44.08	50.43	74.00	23.57	Horizontal
3	9848	53.64	38.80	-41.23	51.21	74.00	22.79	Horizontal

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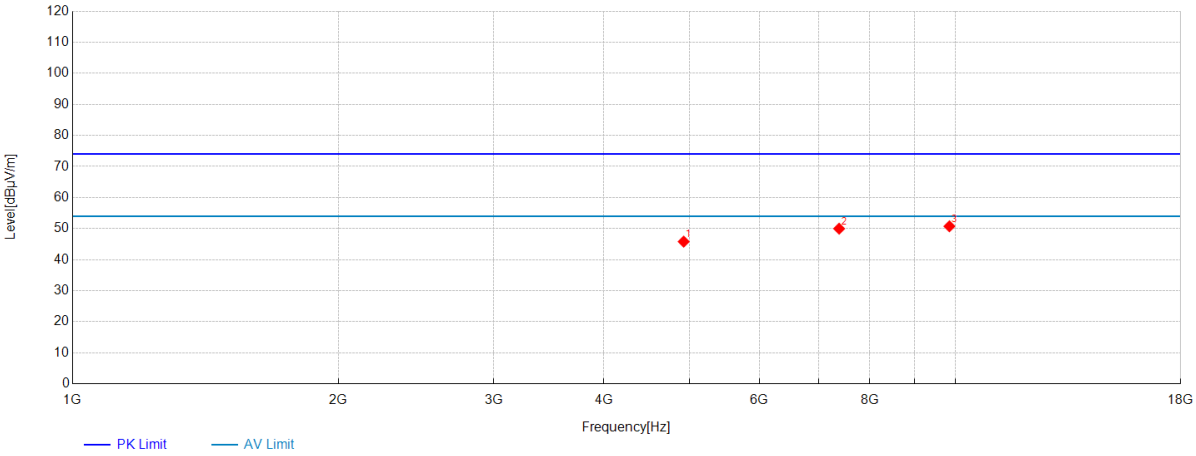

Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4924	60.02	33.15	-47.37	45.80	74.00	28.20	Vertical
2	7386	57.23	36.83	-44.08	49.98	74.00	24.02	Vertical
3	9848	53.18	38.80	-41.23	50.75	74.00	23.25	Vertical

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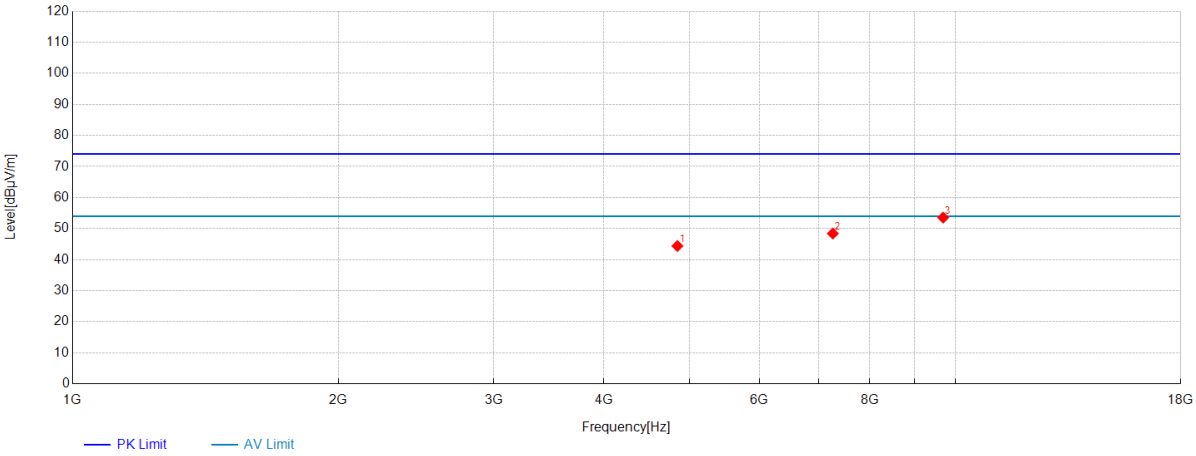

Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4844	59.29	32.75	-47.64	44.40	74.00	29.60	Horizontal
2	7266	56.48	37.17	-45.24	48.41	74.00	25.59	Horizontal
3	9688	56.02	38.72	-41.20	53.54	74.00	20.46	Horizontal

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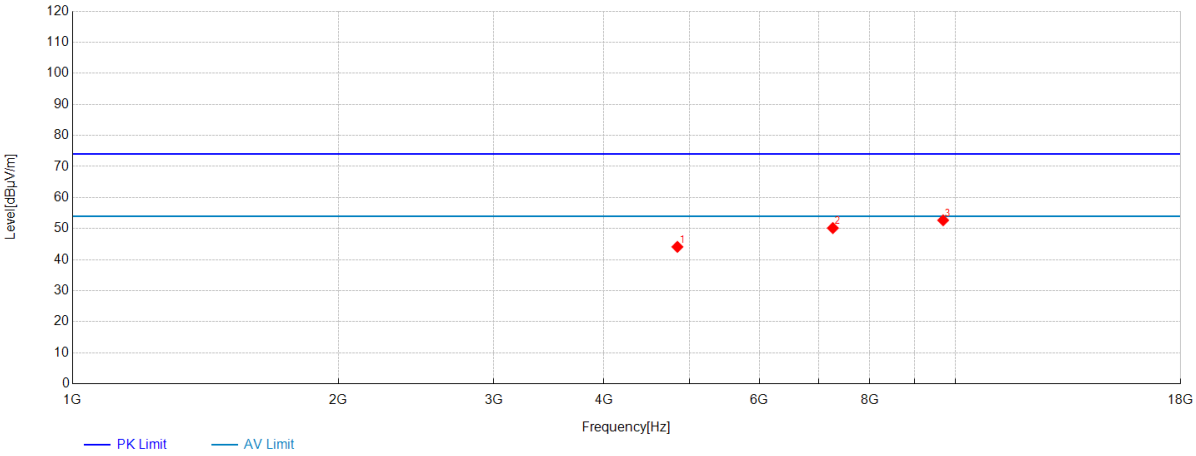

Data List								
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1	4844	59.01	32.75	-47.64	44.12	74.00	29.88	Vertical
2	7266	58.24	37.17	-45.24	50.17	74.00	23.83	Vertical
3	9688	55.16	38.72	-41.20	52.68	74.00	21.32	Vertical

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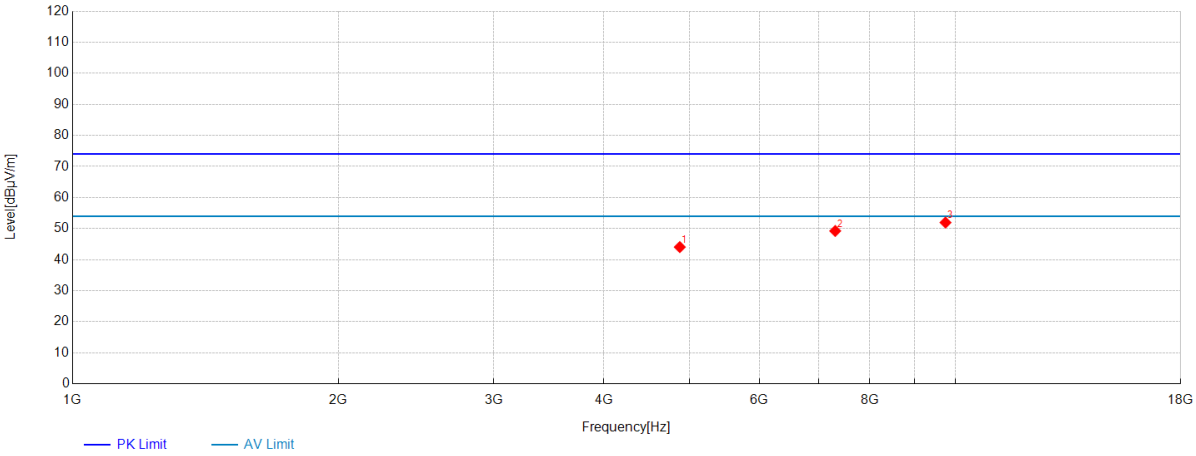
802.11n40_Channel 6



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4874	58.70	32.94	-47.59	44.05	74.00	29.95	Horizontal
2	7311	57.35	37.06	-45.17	49.24	74.00	24.76	Horizontal
3	9748	54.20	38.80	-41.05	51.95	74.00	22.05	Horizontal

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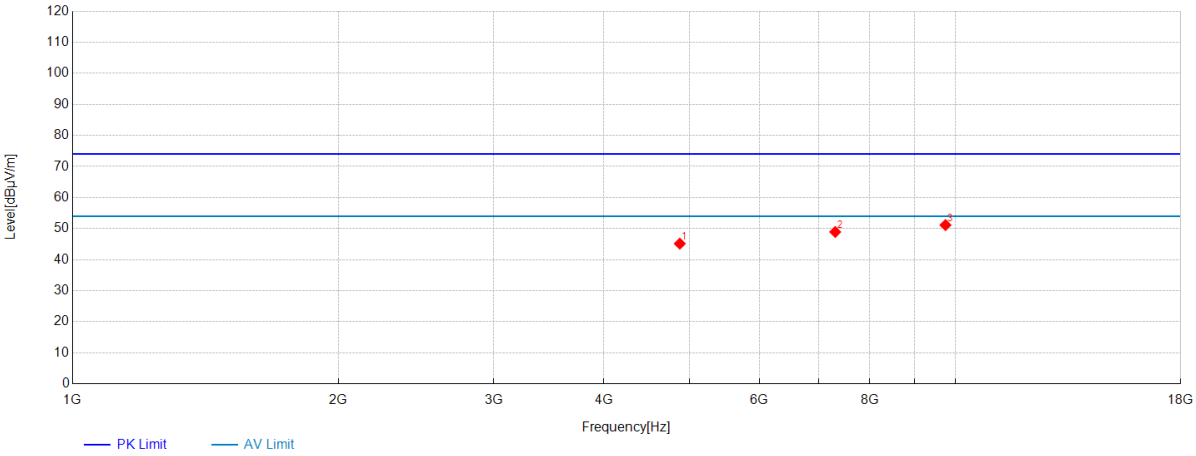
802.11n40_Channel 6



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4874	59.81	32.94	-47.59	45.16	74.00	28.84	Vertical
2	7311	57.04	37.06	-45.17	48.93	74.00	25.07	Vertical
3	9748	53.39	38.80	-41.05	51.14	74.00	22.86	Vertical

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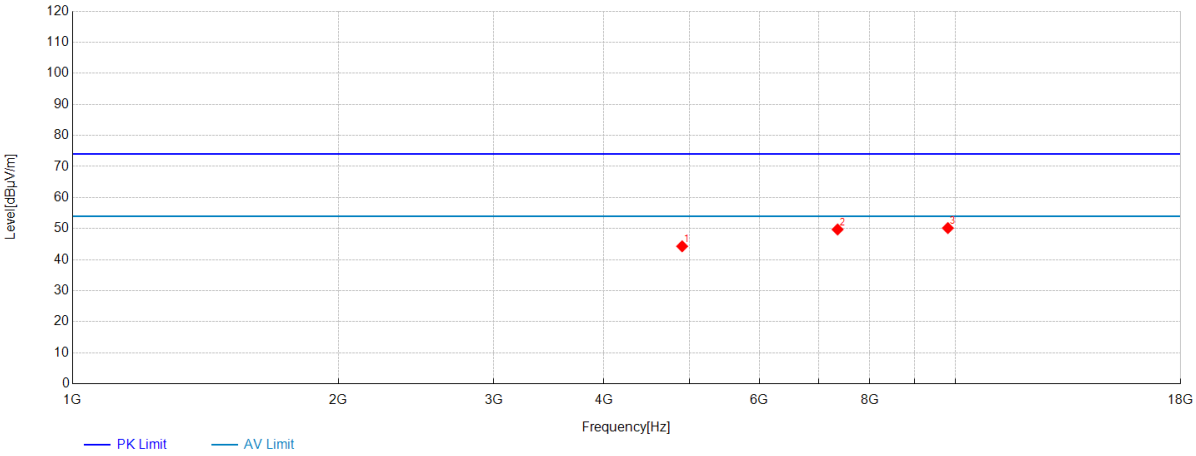
802.11n40_Channel 9



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4904	58.73	33.11	-47.53	44.31	74.00	29.69	Horizontal
2	7356	56.79	36.89	-43.96	49.72	74.00	24.28	Horizontal
3	9808	52.87	38.88	-41.58	50.17	74.00	23.83	Horizontal

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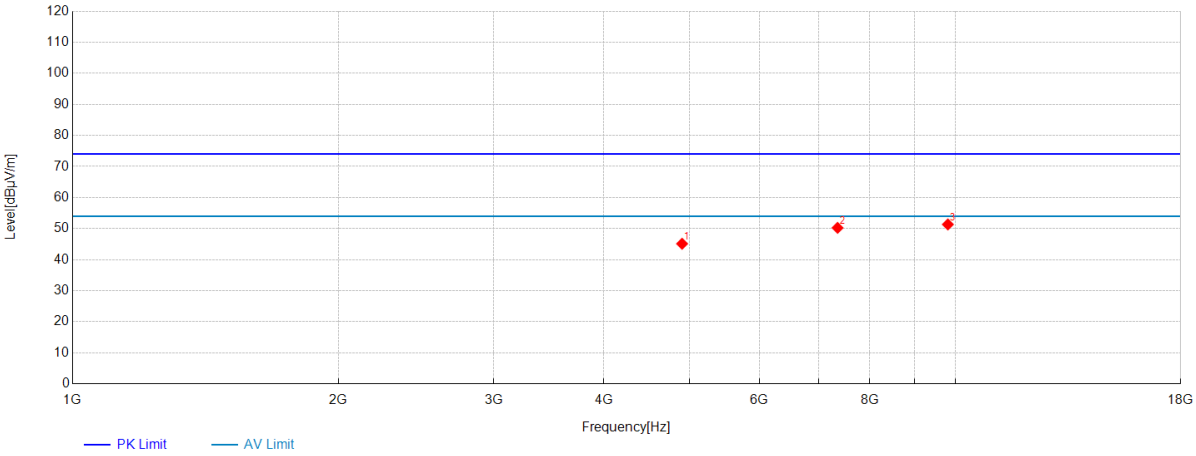
802.11n40_Channel 9



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4904	59.54	33.11	-47.53	45.12	74.00	28.88	Vertical
2	7356	57.31	36.89	-43.96	50.24	74.00	23.76	Vertical
3	9808	54.04	38.88	-41.58	51.34	74.00	22.66	Vertical

Remark:

1) 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(dBμV) + AF(dB/m) + Factor(dB):
   AF = Antenna Factor(dB/m)
   Factor = Cable Factor(dB) - Preamplifier gain(dB)
   Margin = Limit(dBμV/m) – Level(dBμV/m)
2) All channels have been tested, but only the worst case data displayed in this report.
3) Both peak and average measured complies with the limit line, so test result is "PASS"

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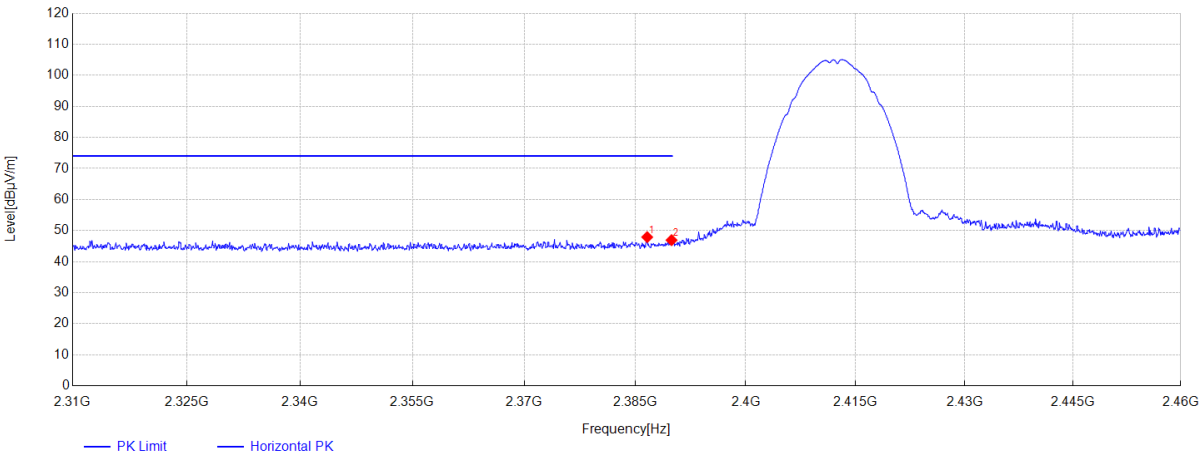
Restricted bands around fundamental frequency

802.11b_Channel 1



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2386.6133	37.87	27.83	-17.80	47.90	74.00	26.10	Horizontal
2	2389.915	36.83	27.82	-17.72	46.93	74.00	27.07	Horizontal

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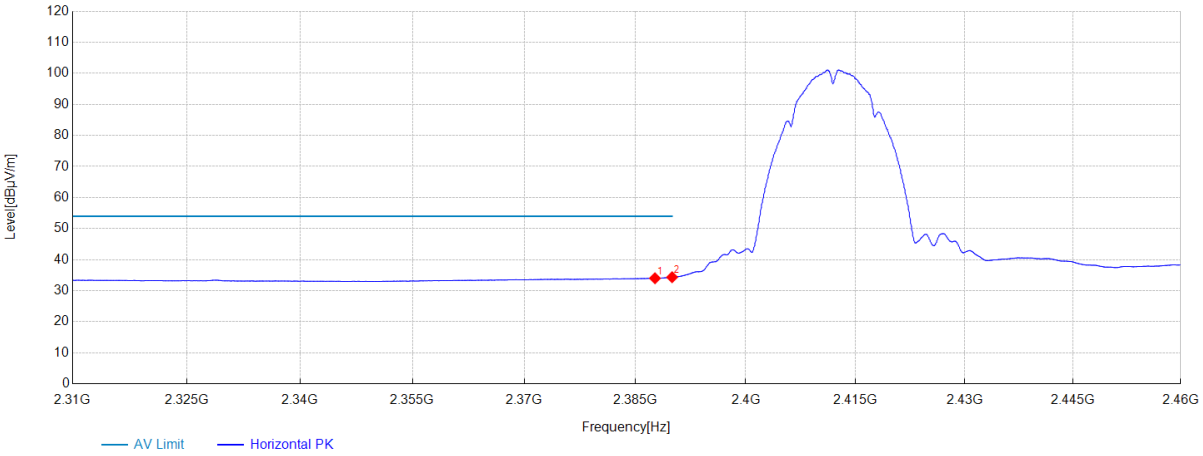
802.11b_Channel 1



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2387.6638	23.97	27.82	-17.78	34.01	54.00	19.99	Horizontal
2	2389.99	24.25	27.82	-17.72	34.35	54.00	19.65	Horizontal

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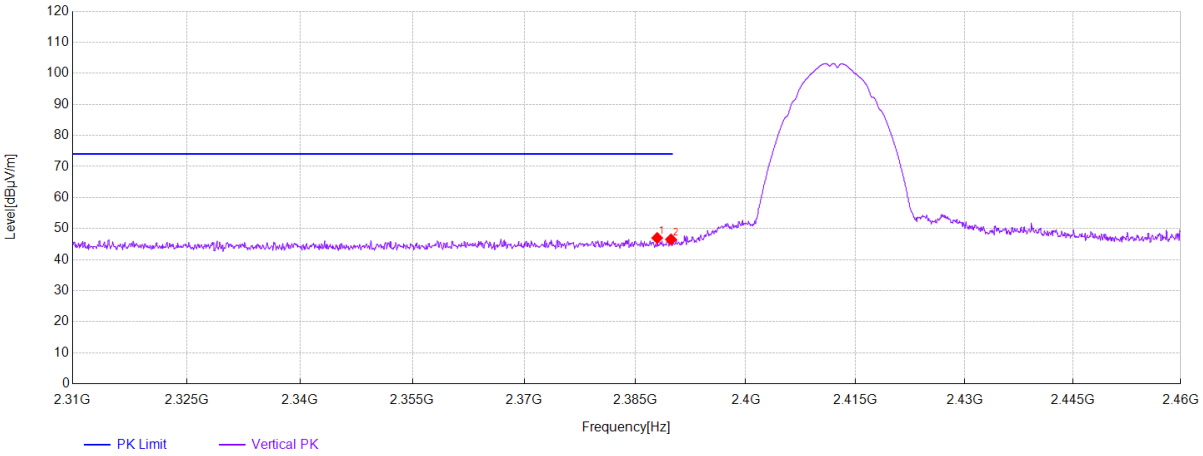

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2387.964	36.93	27.82	-17.77	46.98	74.00	27.02	Vertical
2	2389.8399	36.42	27.82	-17.73	46.51	74.00	27.49	Vertical

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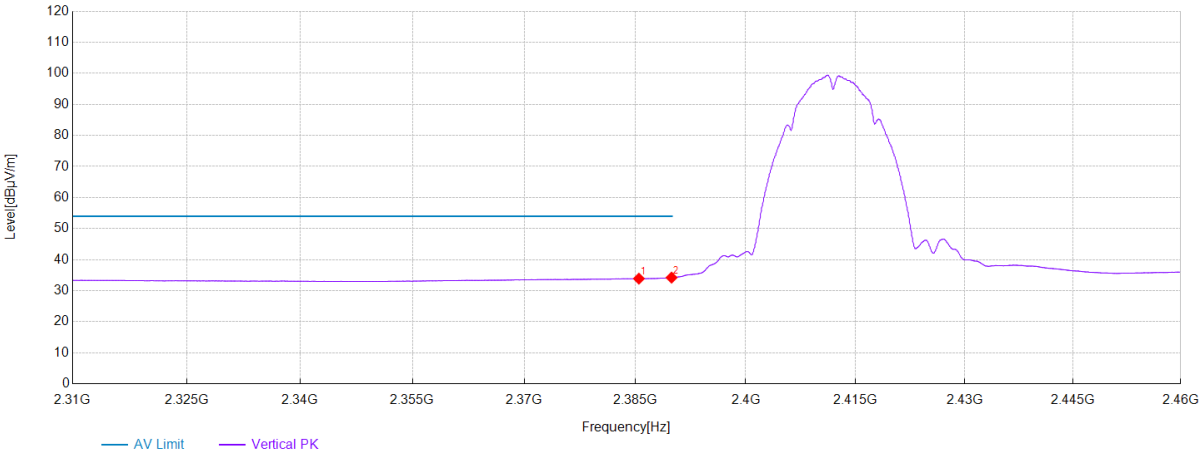

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2385.4877	23.89	27.83	-17.83	33.89	54.00	20.11	Vertical
2	2389.915	24.13	27.82	-17.72	34.23	54.00	19.77	Vertical

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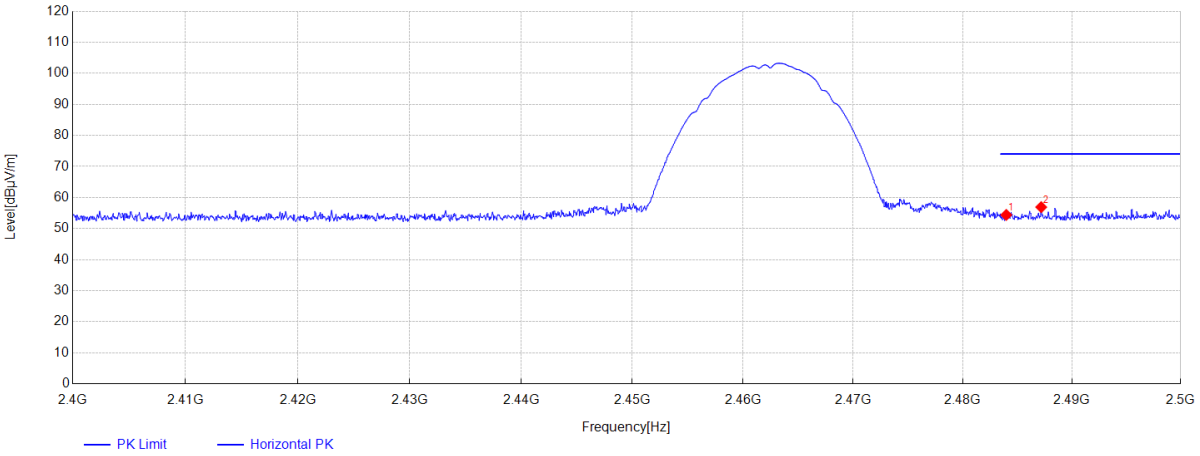
802.11b_Channel 11



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2483.992	45.54	27.97	-19.10	54.41	74.00	19.59	Horizontal
2	2487.1936	48.04	27.97	-19.10	56.91	74.00	17.09	Horizontal

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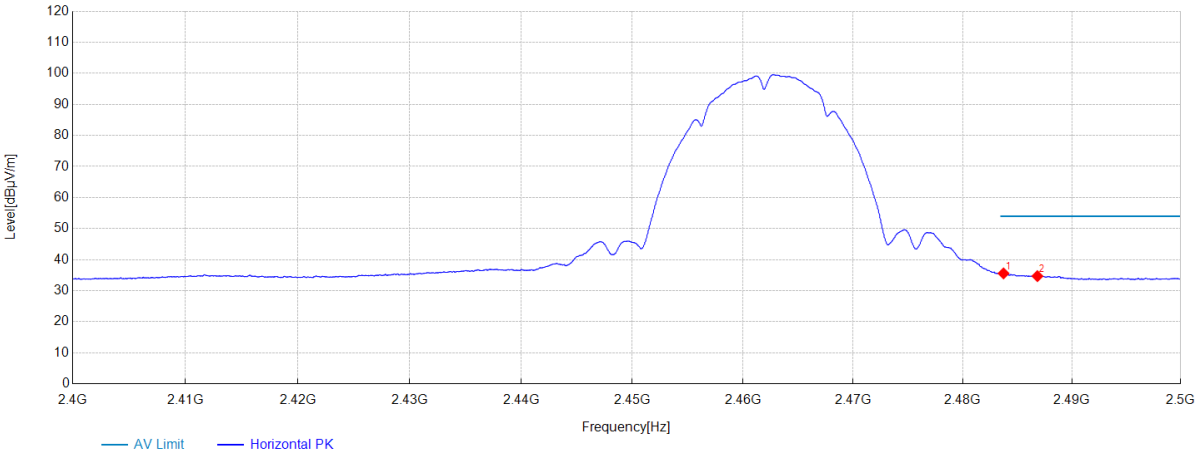

Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.7419	26.70	27.97	-19.10	35.57	54.00	18.43	Horizontal
2	2486.8434	25.83	27.97	-19.10	34.70	54.00	19.30	Horizontal

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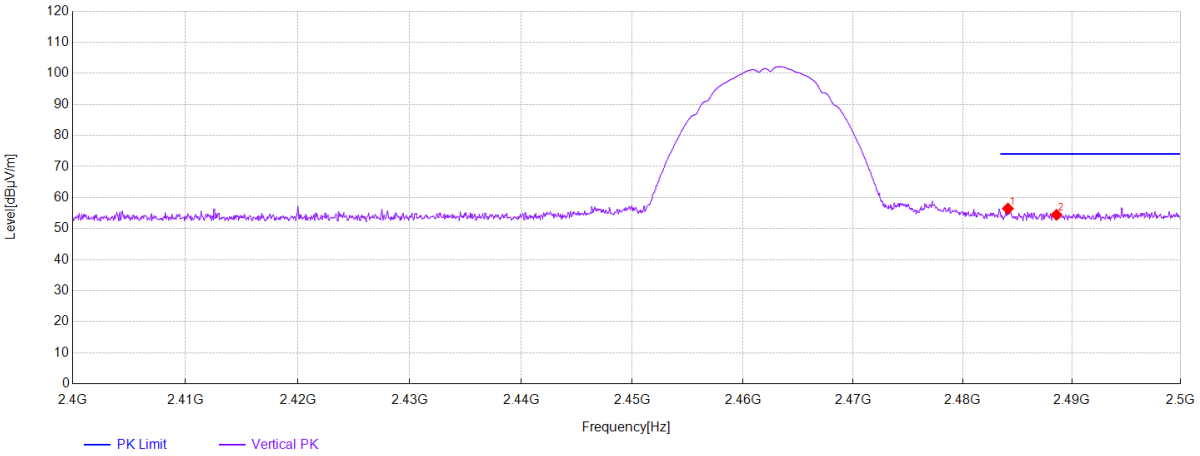

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1	2484.1421	47.58	27.97	-19.10	56.45	74.00	17.55	Vertical
2	2488.5943	45.56	27.98	-19.10	54.44	74.00	19.56	Vertical

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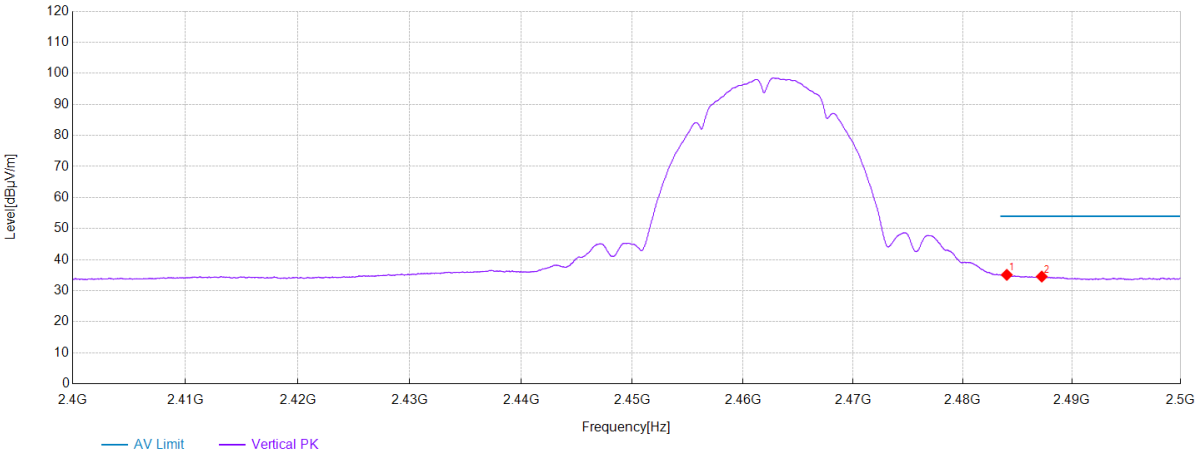

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NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2484.042	26.24	27.97	-19.10	35.11	54.00	18.89	Vertical
2	2487.2436	25.68	27.97	-19.10	34.55	54.00	19.45	Vertical

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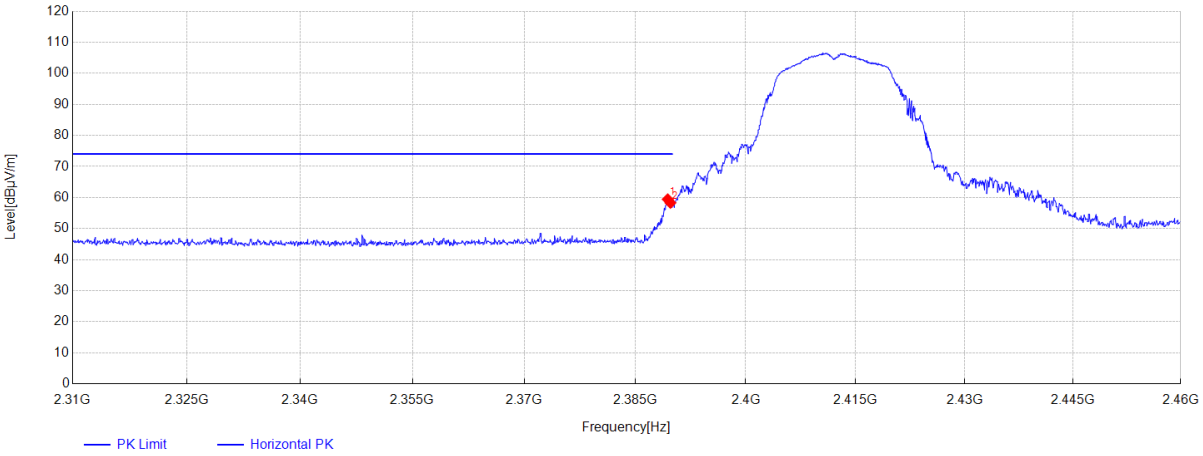

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NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2389.3897	49.36	27.82	-17.74	59.44	74.00	14.56	Horizontal
2	2389.7649	48.20	27.82	-17.73	58.29	74.00	15.71	Horizontal

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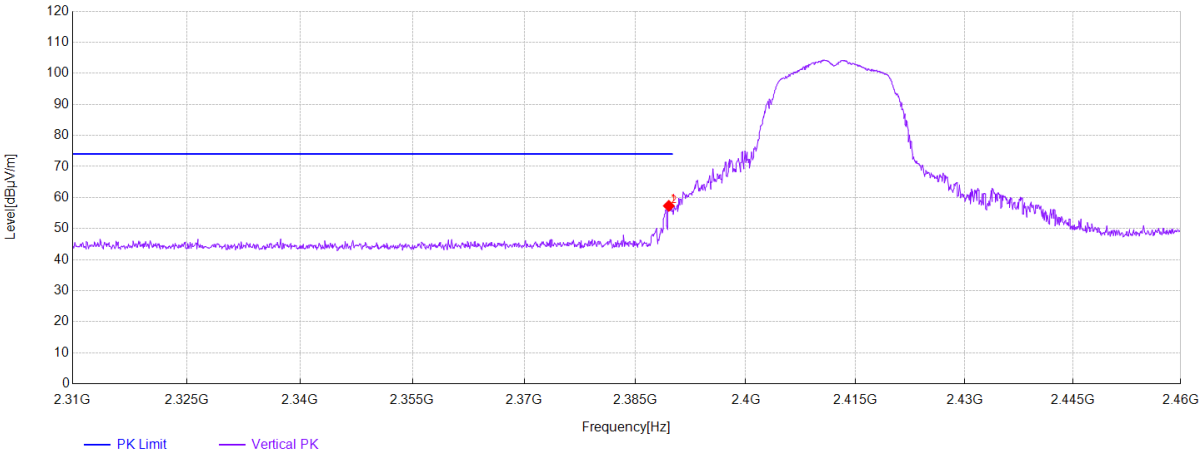

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2389.5398	47.24	27.82	-17.73	57.33	74.00	16.67	Vertical
2	2389.6898	46.75	27.82	-17.73	56.84	74.00	17.16	Vertical

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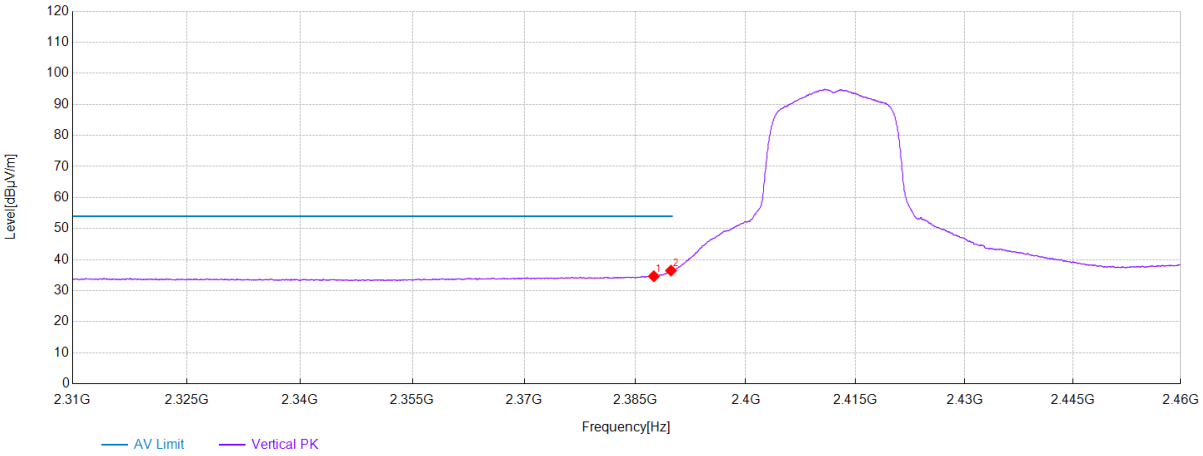

Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2387.5138	24.62	27.82	-17.78	34.66	54.00	19.34	Vertical
2	2389.8399	26.38	27.82	-17.73	36.47	54.00	17.53	Vertical

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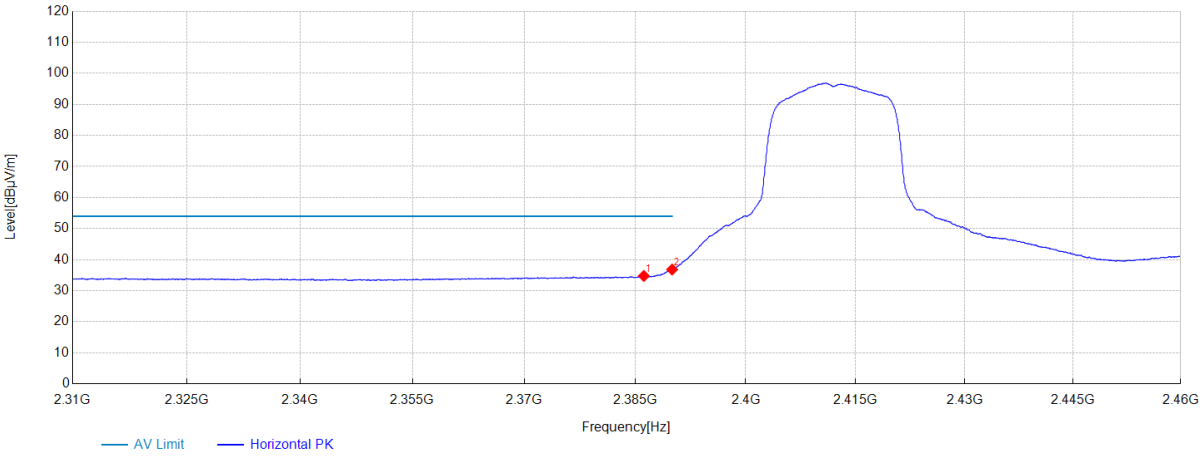

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2386.1631	24.74	27.83	-17.81	34.76	54.00	19.24	Horizontal
2	2389.99	26.71	27.82	-17.72	36.81	54.00	17.19	Horizontal

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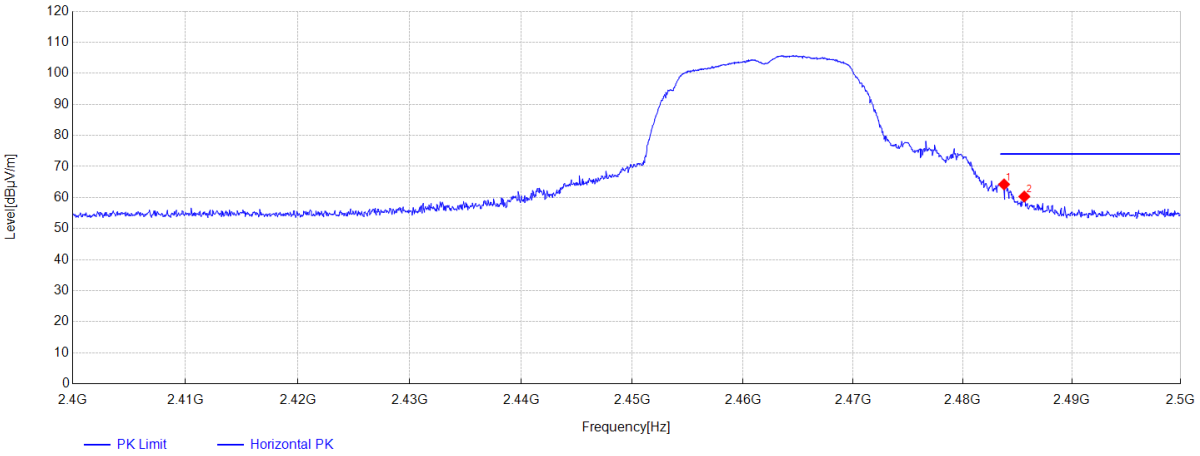

Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.7919	55.37	27.97	-19.10	64.24	74.00	9.76	Horizontal
2	2485.6428	51.44	27.97	-19.10	60.31	74.00	13.69	Horizontal

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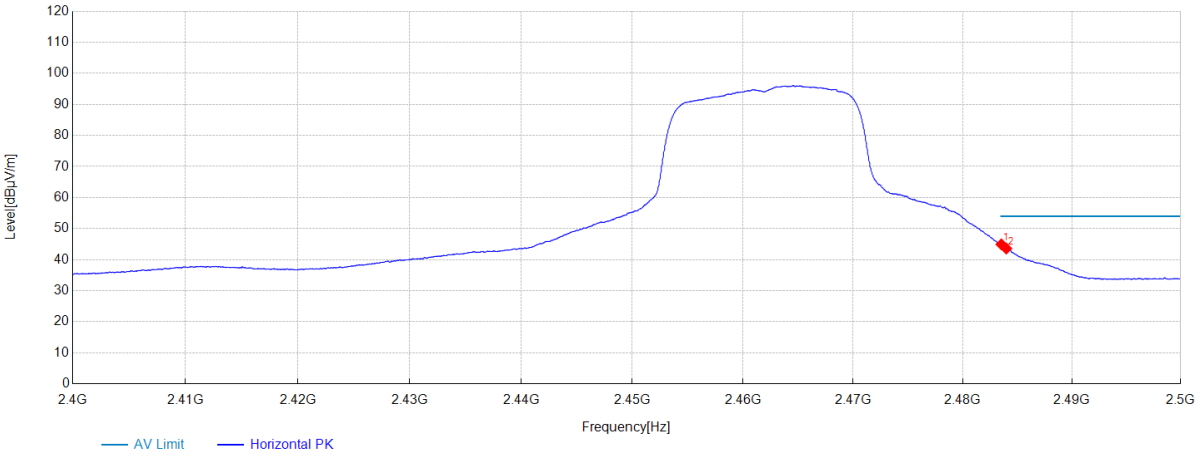

Data List								
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1	2483.5418	36.07	27.97	-19.10	44.94	54.00	9.06	Horizontal
2	2483.992	34.73	27.97	-19.10	43.60	54.00	10.40	Horizontal

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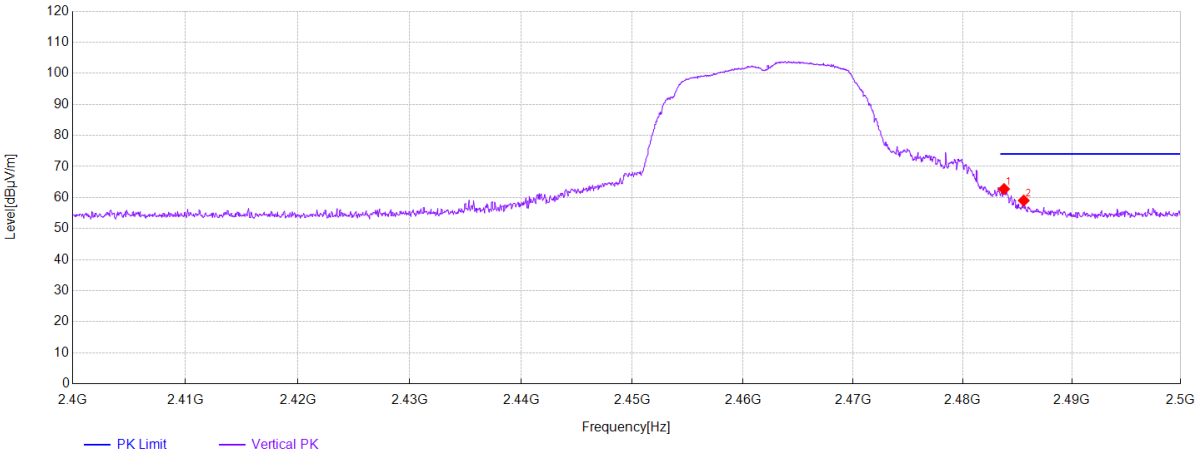

Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.7919	53.87	27.97	-19.10	62.74	74.00	11.26	Vertical
2	2485.5928	50.16	27.97	-19.10	59.03	74.00	14.97	Vertical

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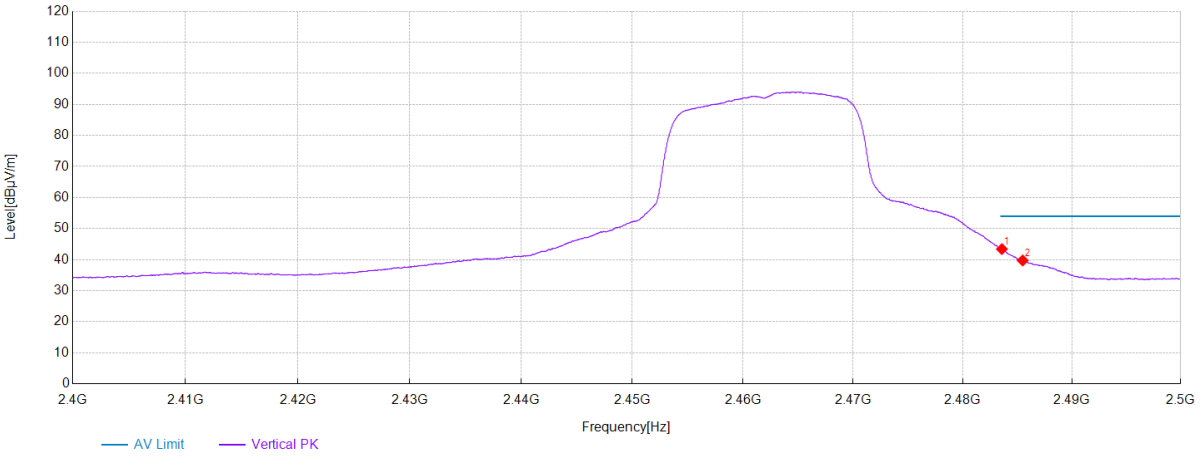

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1	2483.5918	34.54	27.97	-19.10	43.41	54.00	10.59	Vertical
2	2485.4927	30.87	27.97	-19.10	39.74	54.00	14.26	Vertical

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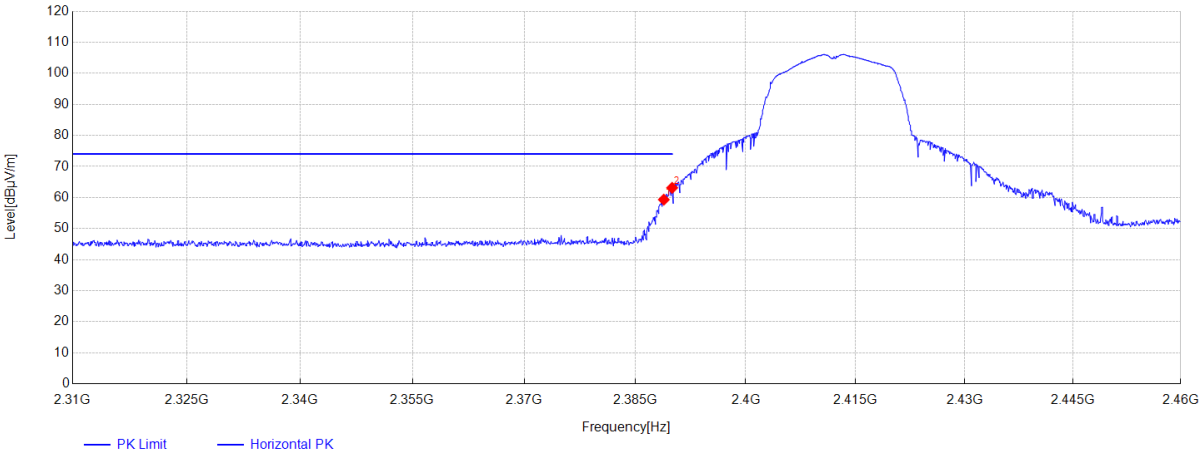

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1	2388.8644	49.25	27.82	-17.75	59.32	74.00	14.68	Horizontal
2	2389.99	53.02	27.82	-17.72	63.12	74.00	10.88	Horizontal

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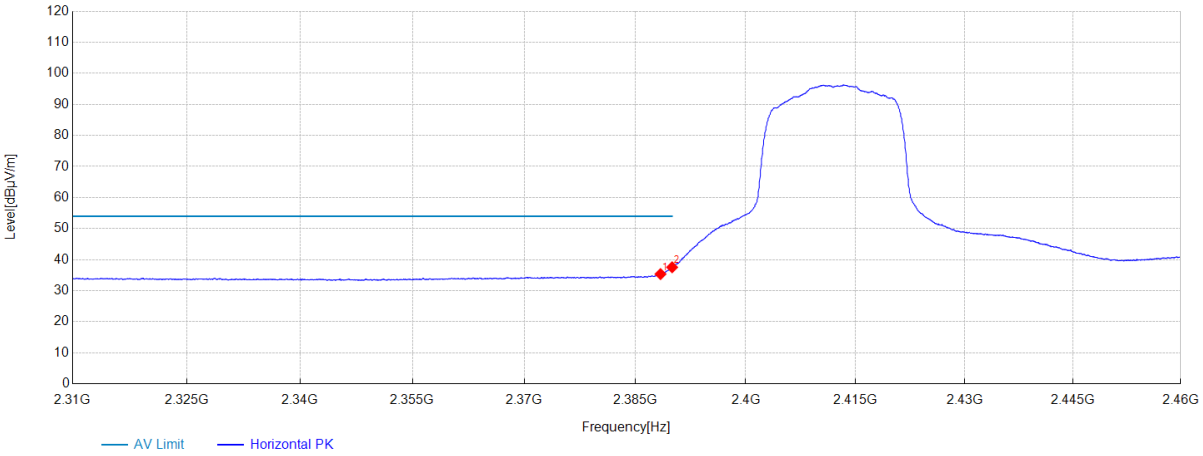

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1	2388.4142	25.30	27.82	-17.76	35.36	54.00	18.64	Horizontal
2	2389.99	27.45	27.82	-17.72	37.55	54.00	16.45	Horizontal

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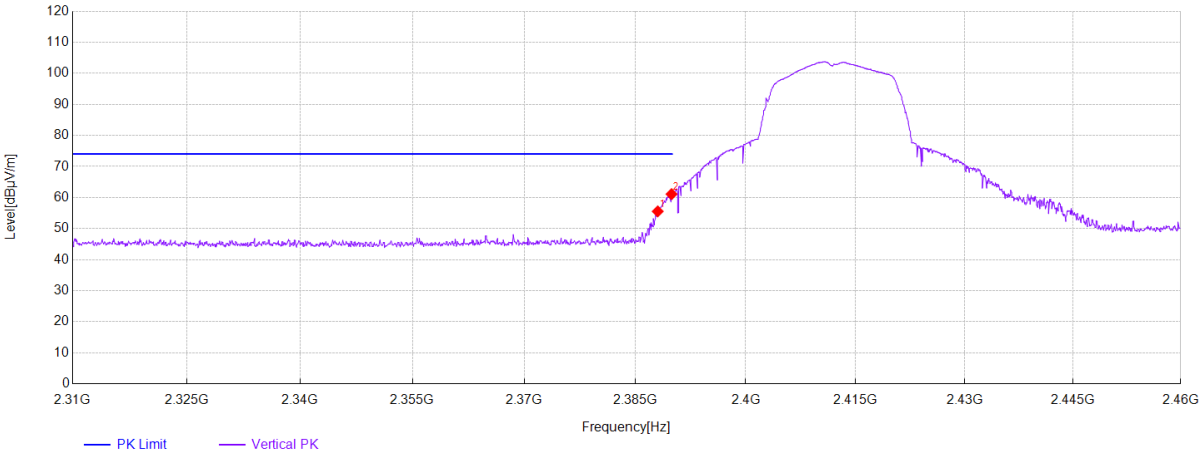

Data List								
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1	2388.039	45.50	27.82	-17.77	55.55	74.00	18.45	Vertical
2	2389.915	51.01	27.82	-17.72	61.11	74.00	12.89	Vertical

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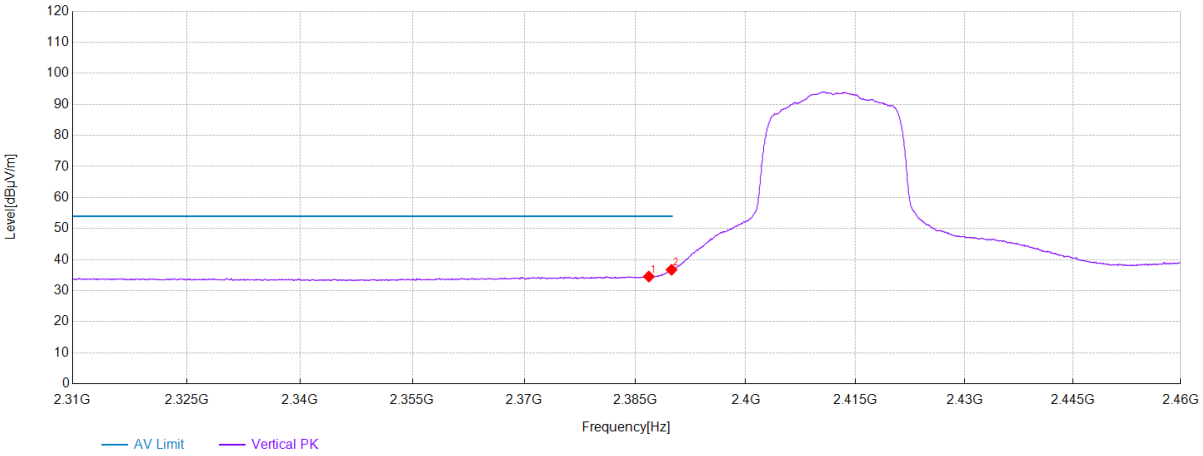

Data List								
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1	2386.8384	24.53	27.83	-17.80	34.56	54.00	19.44	Vertical
2	2389.915	26.65	27.82	-17.72	36.75	54.00	17.25	Vertical

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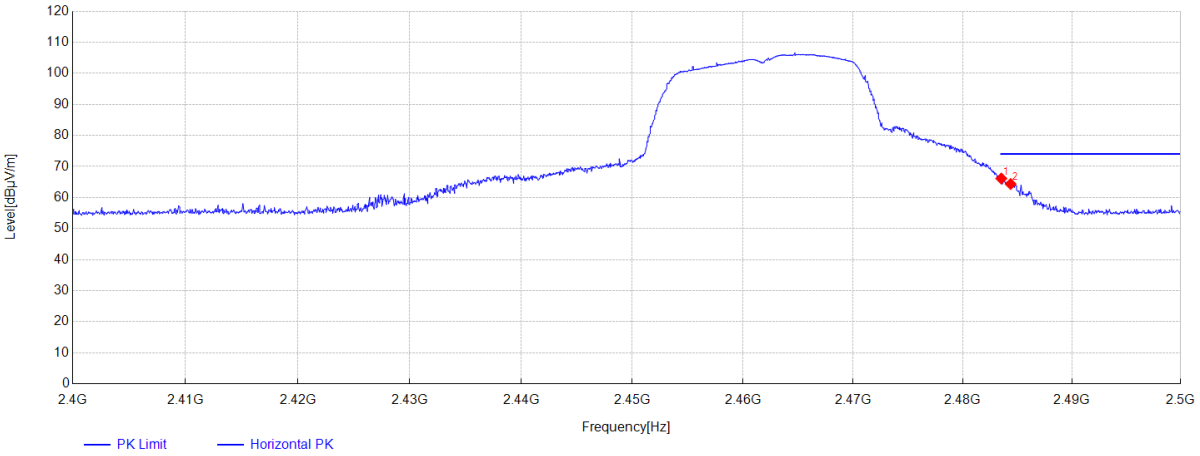

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2483.5418	57.24	27.97	-19.10	66.11	74.00	7.89	Horizontal
2	2484.3922	55.48	27.97	-19.10	64.35	74.00	9.65	Horizontal

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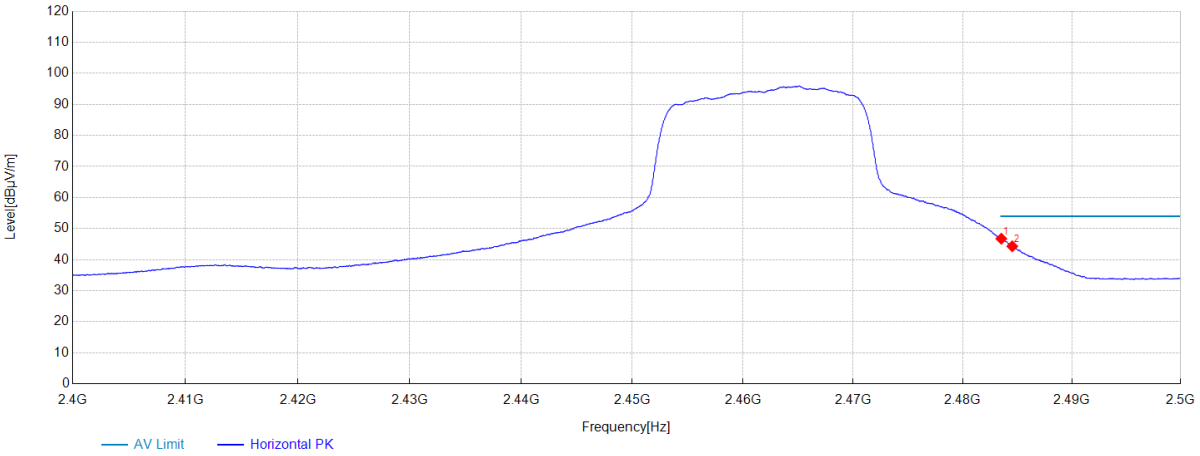

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2483.5418	37.87	27.97	-19.10	46.74	54.00	7.26	Horizontal
2	2484.5423	35.44	27.97	-19.10	44.31	54.00	9.69	Horizontal

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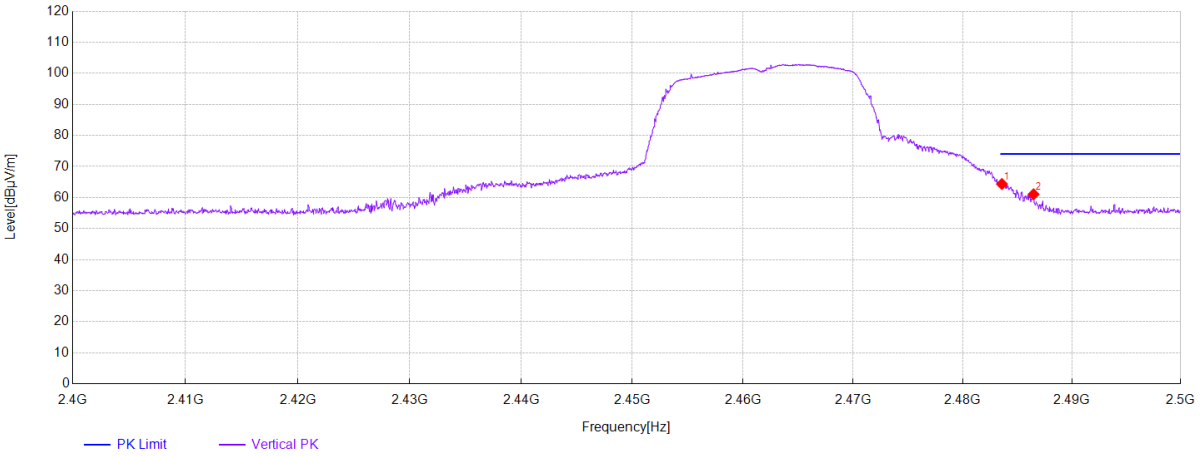

Data List								
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1	2483.5918	55.50	27.97	-19.10	64.37	74.00	9.63	Vertical
2	2486.4932	52.19	27.97	-19.10	61.06	74.00	12.94	Vertical

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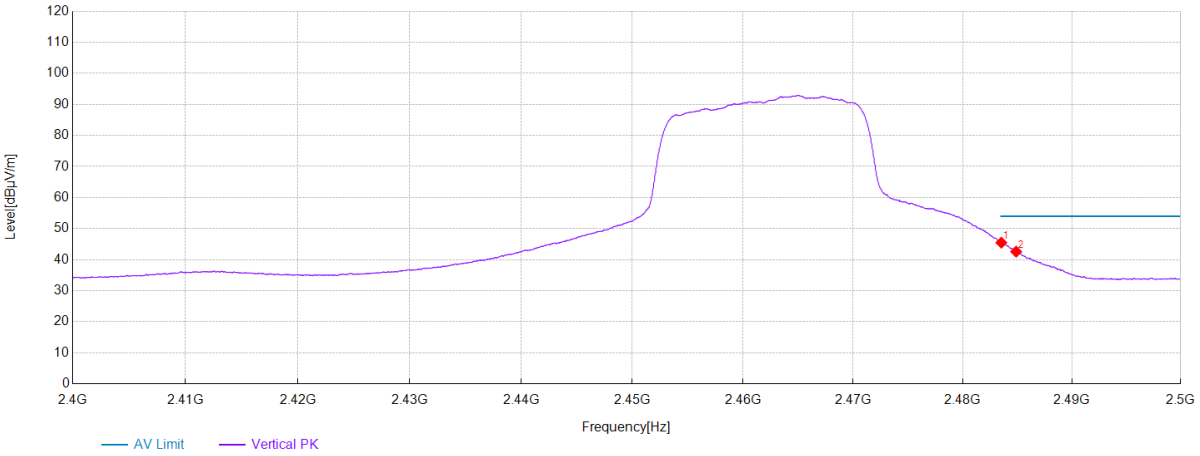

Data List								
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1	2483.5418	36.60	27.97	-19.10	45.47	54.00	8.53	Vertical
2	2484.8924	33.71	27.97	-19.10	42.58	54.00	11.42	Vertical

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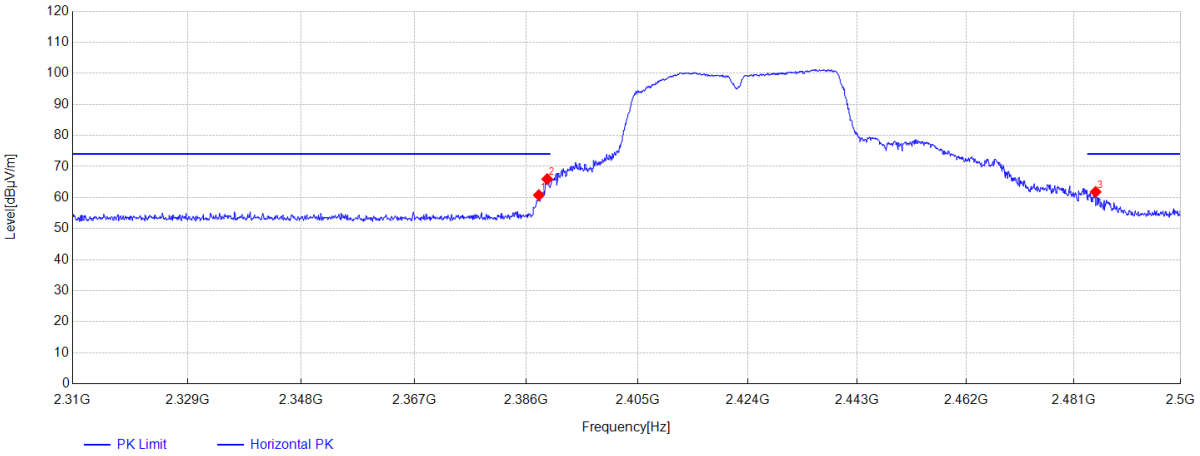

Data List								
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1	2388.1291	52.16	27.82	-19.20	60.78	74.00	13.22	Horizontal
2	2389.5548	57.28	27.82	-19.16	65.94	74.00	8.06	Horizontal
3	2484.8874	52.95	27.97	-19.10	61.82	74.00	12.18	Horizontal

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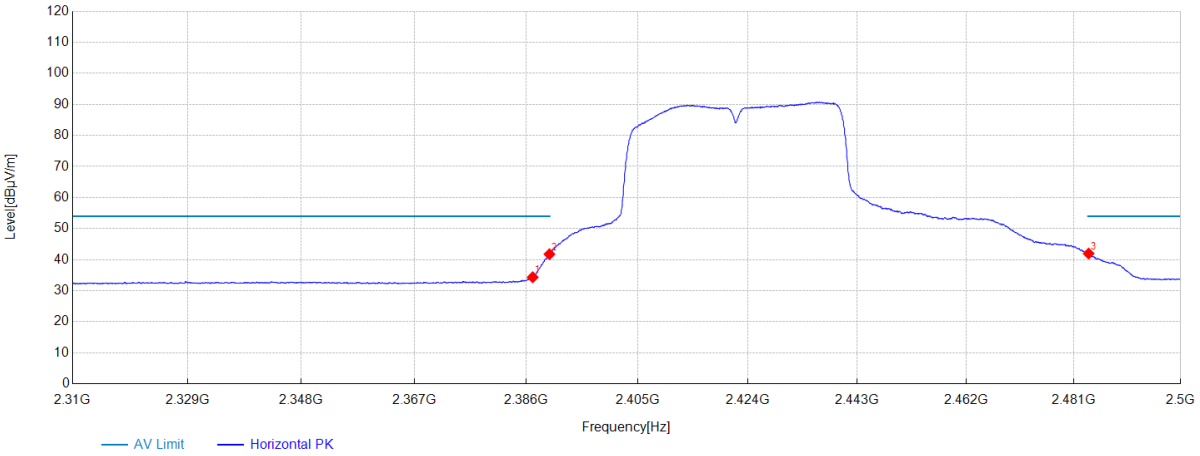

Data List								
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1	2387.0835	25.74	27.83	-19.23	34.34	54.00	19.66	Horizontal
2	2389.935	33.09	27.82	-19.15	41.76	54.00	12.24	Horizontal
3	2483.6518	33.09	27.97	-19.10	41.96	54.00	12.04	Horizontal

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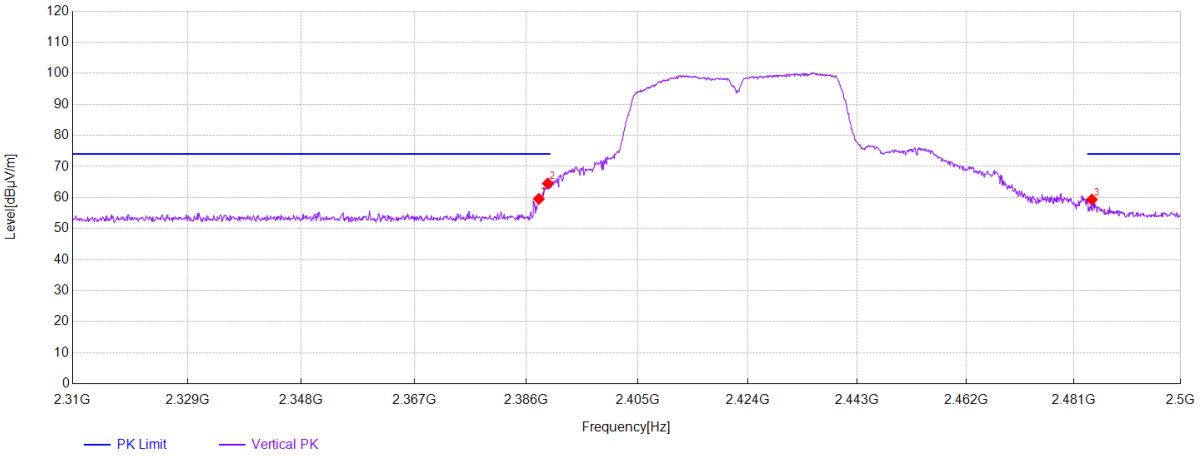

Data List								
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1	2388.1291	50.95	27.82	-19.20	59.57	74.00	14.43	Vertical
2	2389.6498	55.86	27.82	-19.16	64.52	74.00	9.48	Vertical
3	2484.2221	50.48	27.97	-19.10	59.35	74.00	14.65	Vertical

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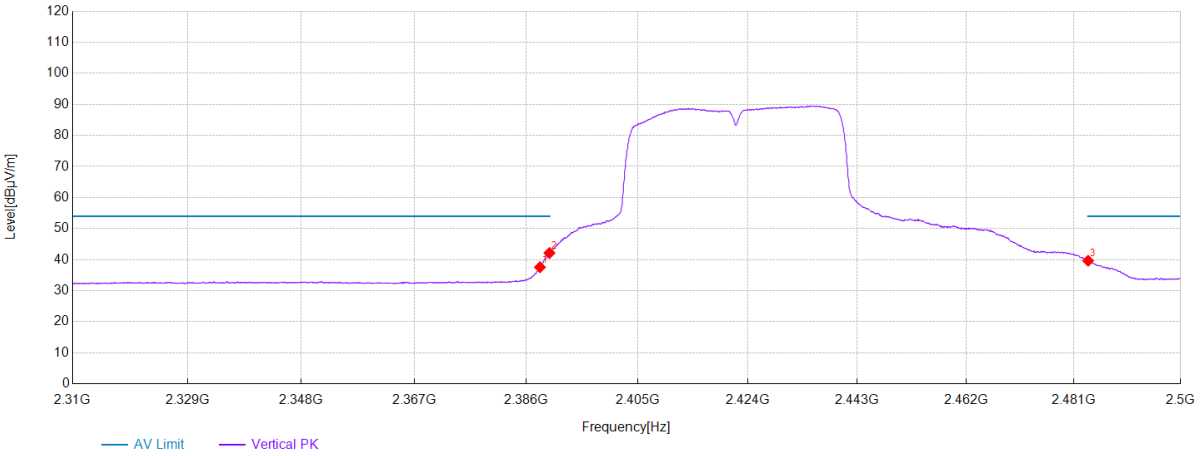
802.11n40_Channel 3



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2388.3192	28.94	27.82	-19.20	37.56	54.00	16.44	Vertical
2	2389.935	33.47	27.82	-19.15	42.14	54.00	11.86	Vertical
3	2483.5568	30.78	27.97	-19.10	39.65	54.00	14.35	Vertical

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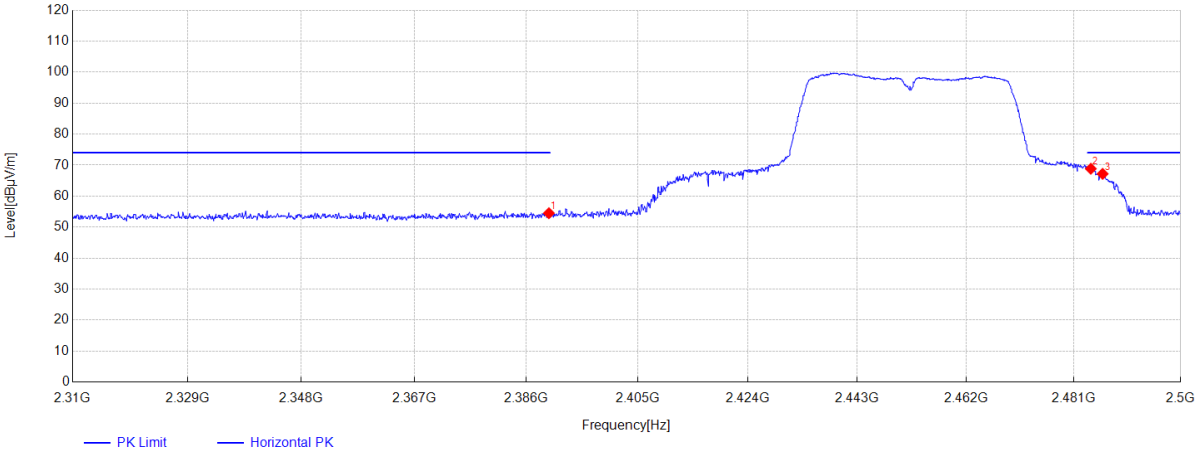
802.11n40_Channel 9



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2389.8399	45.82	27.82	-19.15	54.49	74.00	19.51	Horizontal
2	2484.032	59.96	27.97	-19.10	68.83	74.00	5.17	Horizontal
3	2486.1231	58.32	27.97	-19.10	67.19	74.00	6.81	Horizontal

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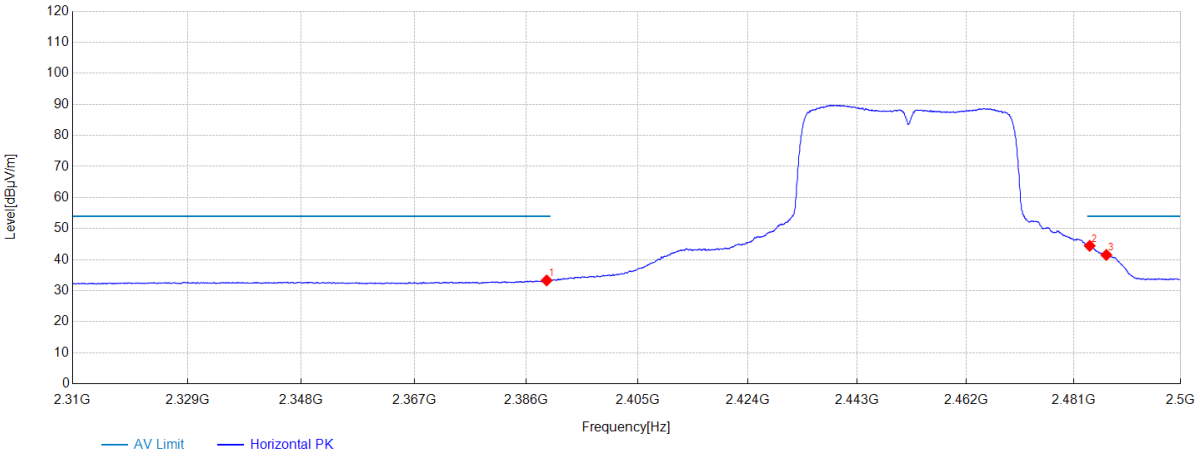

Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2389.4597	24.66	27.82	-19.17	33.31	54.00	20.69	Horizontal
2	2483.8419	35.58	27.97	-19.10	44.45	54.00	9.55	Horizontal
3	2486.7884	32.65	27.97	-19.10	41.52	54.00	12.48	Horizontal

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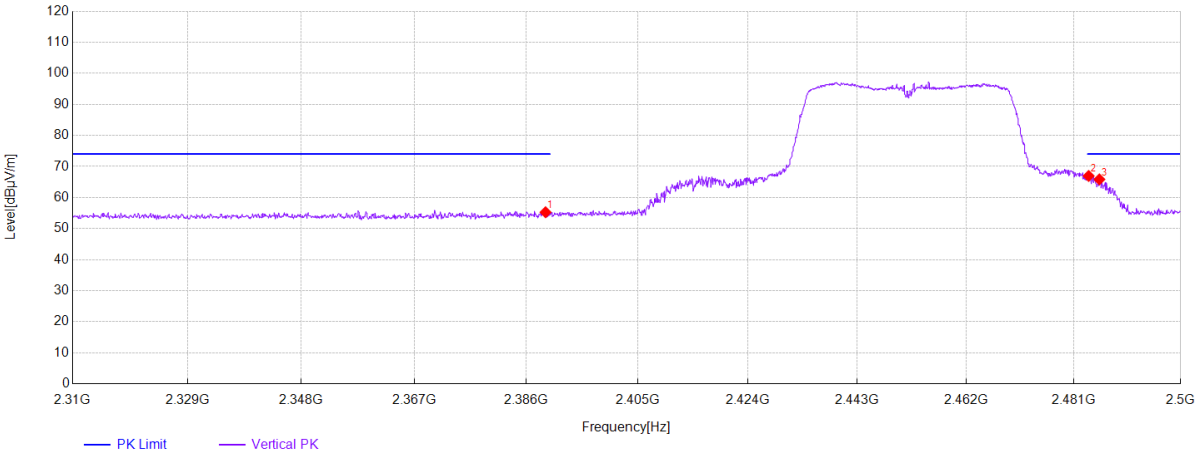

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2389.2696	46.62	27.82	-19.17	55.27	74.00	18.73	Vertical
2	2483.6518	58.08	27.97	-19.10	66.95	74.00	7.05	Vertical
3	2485.5528	56.98	27.97	-19.10	65.85	74.00	8.15	Vertical

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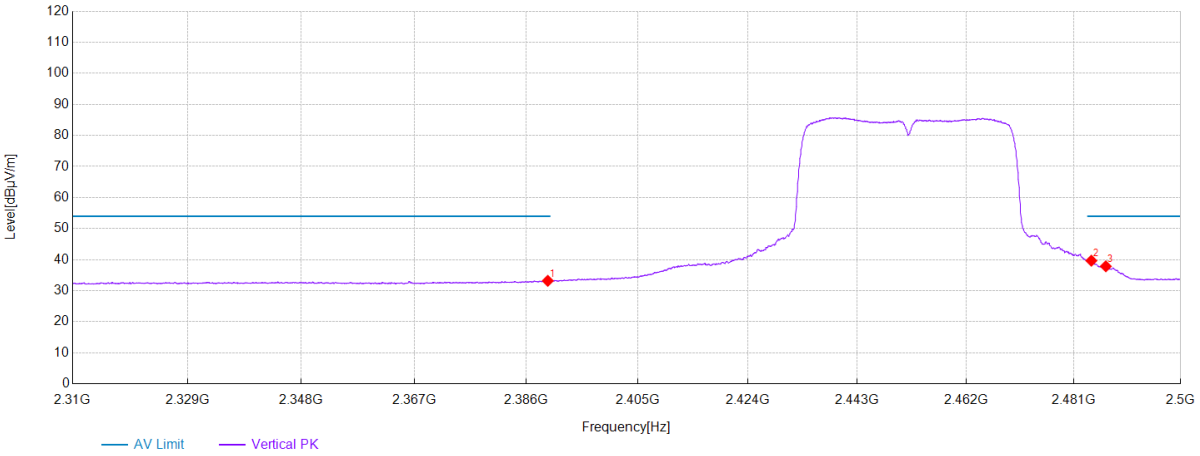

Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2389.6498	24.52	27.82	-19.16	33.18	54.00	20.82	Vertical
2	2484.1271	30.81	27.97	-19.10	39.68	54.00	14.32	Vertical
3	2486.6933	28.99	27.97	-19.10	37.86	54.00	16.14	Vertical

Remark:

1) 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(dBμV) + AF(dB/m) + Factor(dB):
   AF = Antenna Factor(dB/m)
   Factor = Cable Factor(dB) - Preamplifier gain(dB)
   Margin = Limit(dBμV/m) – Level(dBμV/m)
2) Both peak and average measured complies with the limit line, so test result is "PASS"

---End of Report---

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