11ac40SISO_Ant1_5550

11ac40SISO_Ant1_5670

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11ac40SISO_Ant1_5755

11ac40SISO_Ant1_5795

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DFS Detection Thresholds

Test Result

TestMode	Frequency[dbm]	Radar Type	Result	Limit[dbm]	Verdict
11ac20SISO	5260	Type0	-59.49	-59.46	PASS
	5500	Type0	-59.30	-59.11	PASS
11ac40SISO	5270	Type0	-59.68	-59.46	PASS
	5510	Type0	-59.52	-59.11	PASS

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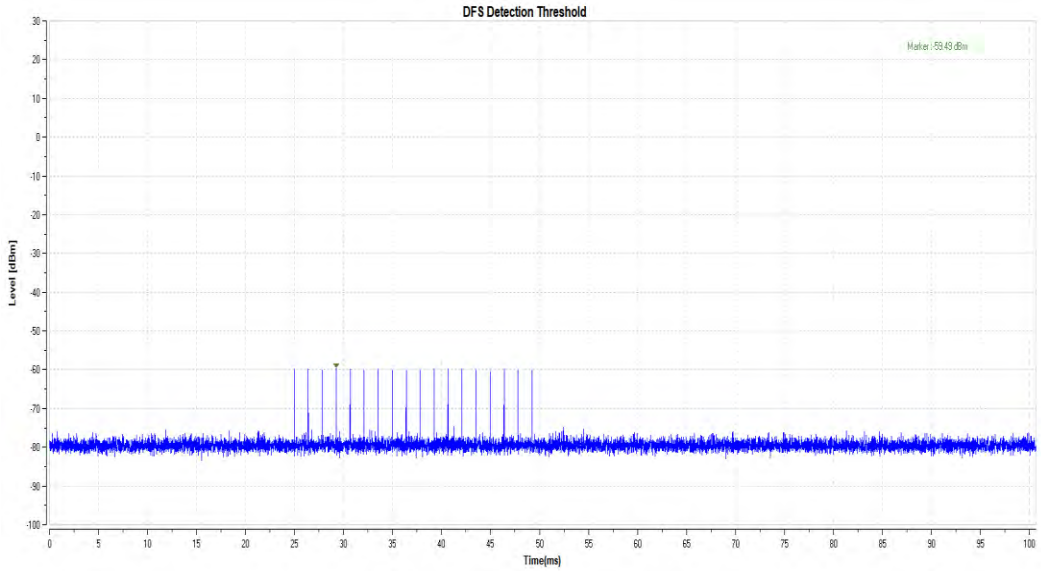
Test Graphs

11ac20SISO_5260_Type0



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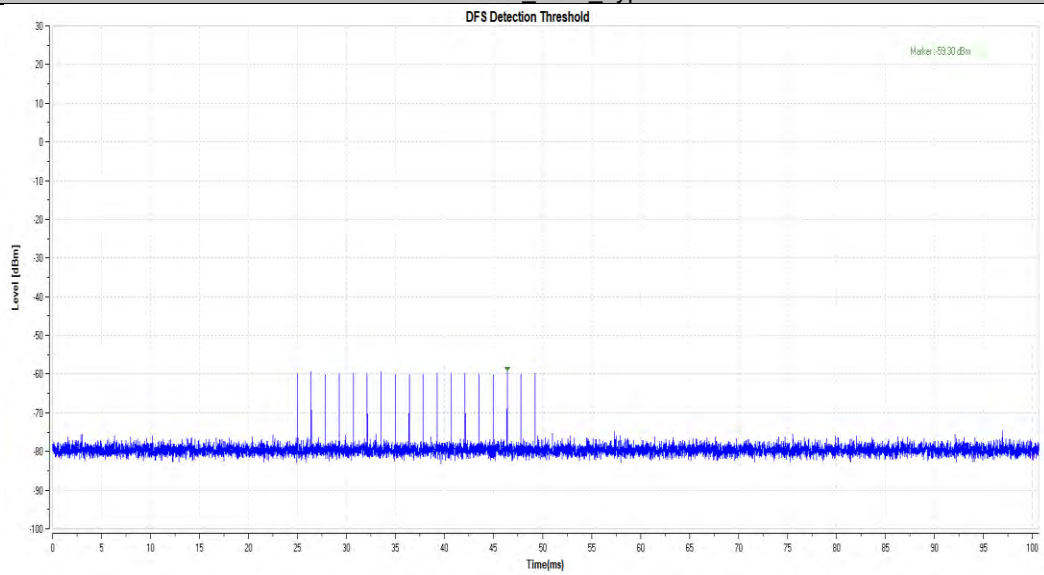

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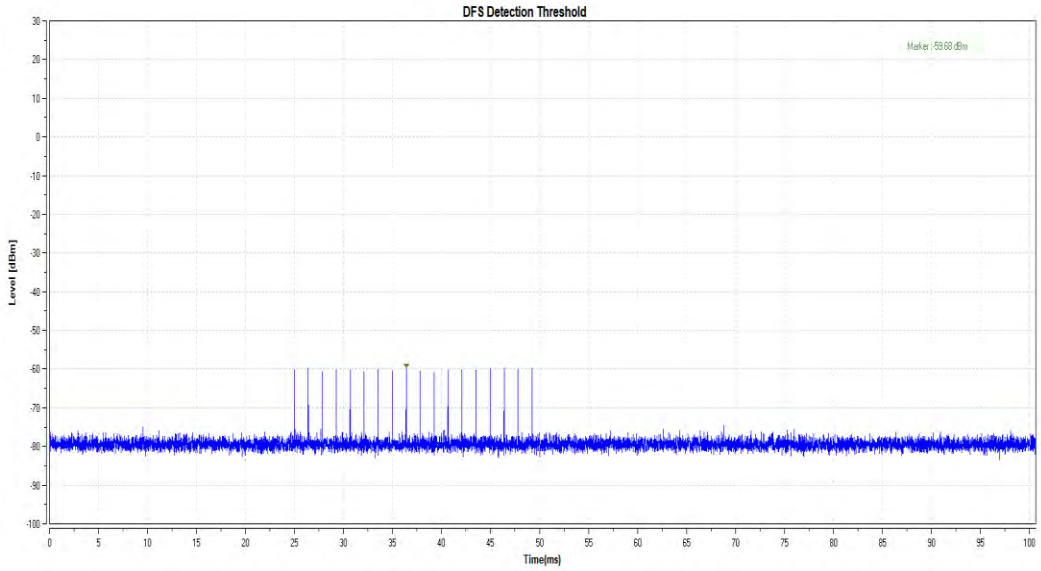
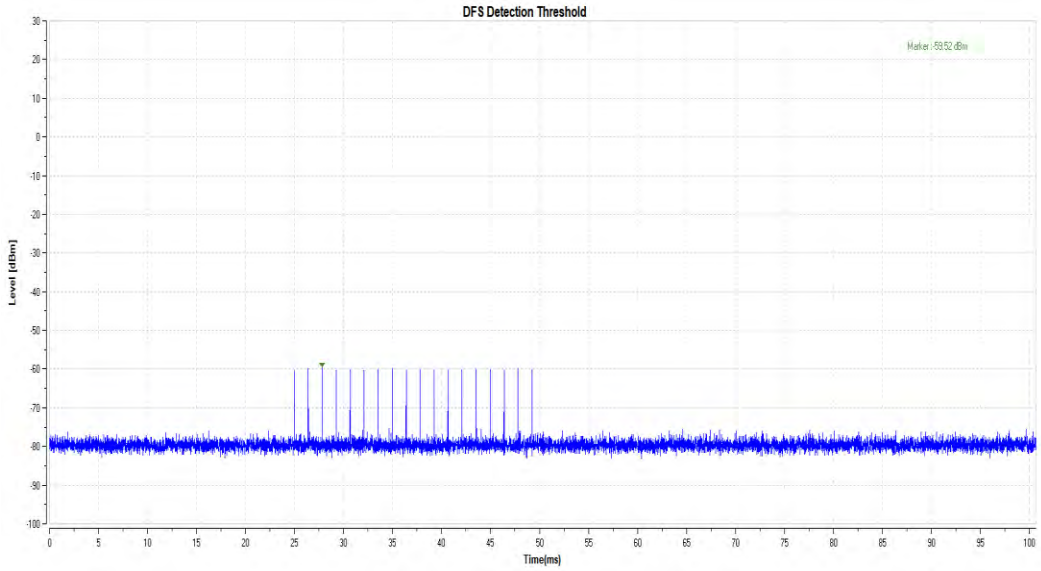
11ac40SISO_5270_Type0



11ac40SISO_5510_Type0



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Channel Move Time and Channel Closing Transmission Time

Test Result

TestMode	Frequency[MHz]	CCTT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11ac20SISO	5260	200+10.4	200+60	455	10000	PASS
	5500	200+54.6	200+60	728	10000	PASS
11ac40SISO	5270	200+10.4	200+60	470.6	10000	PASS
	5510	200+58.5	200+60	832	10000	PASS

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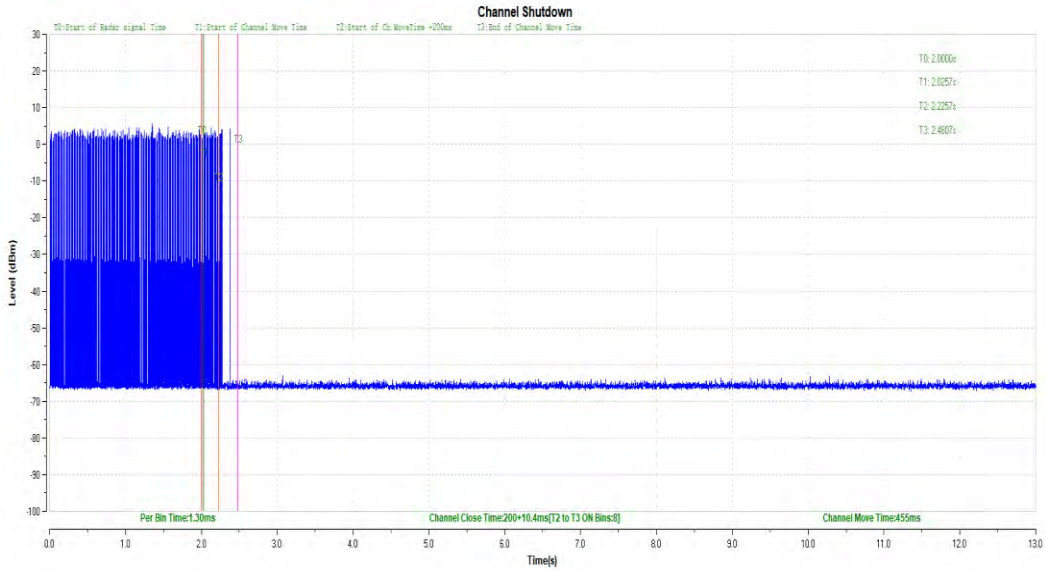
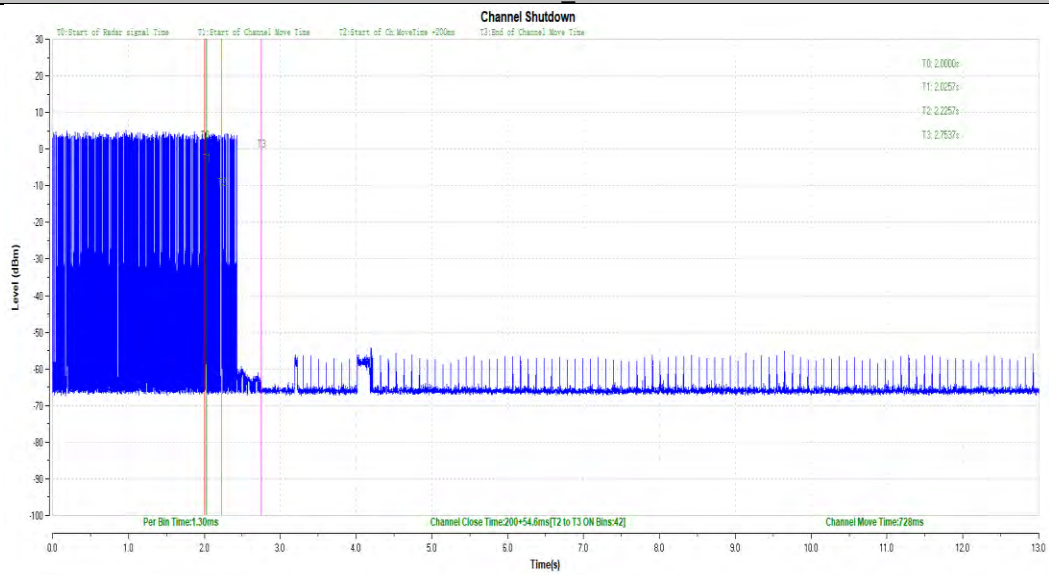
Test Graphs

11ac20SISO_5260



11ac20SISO_5500



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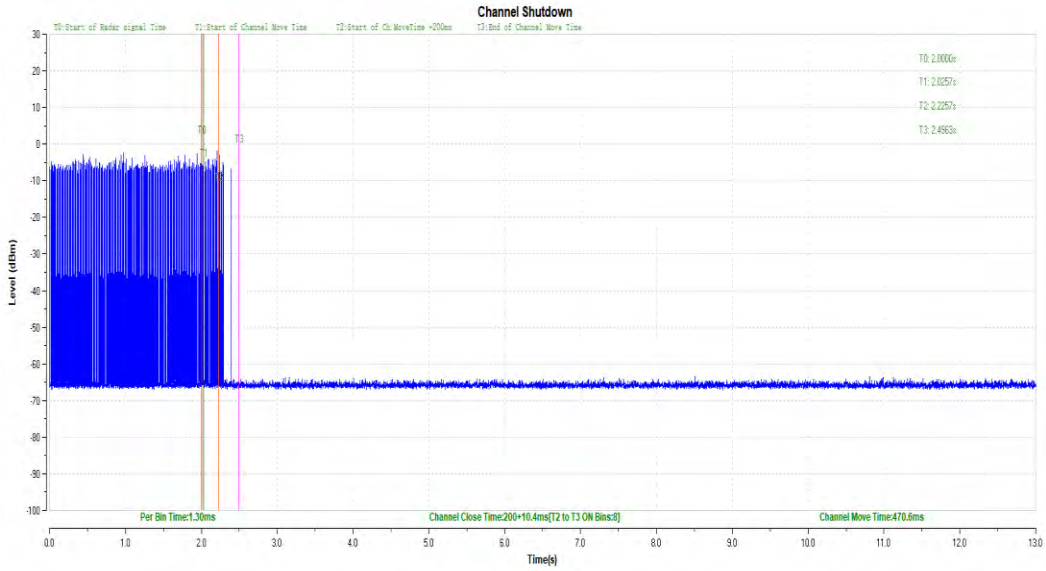
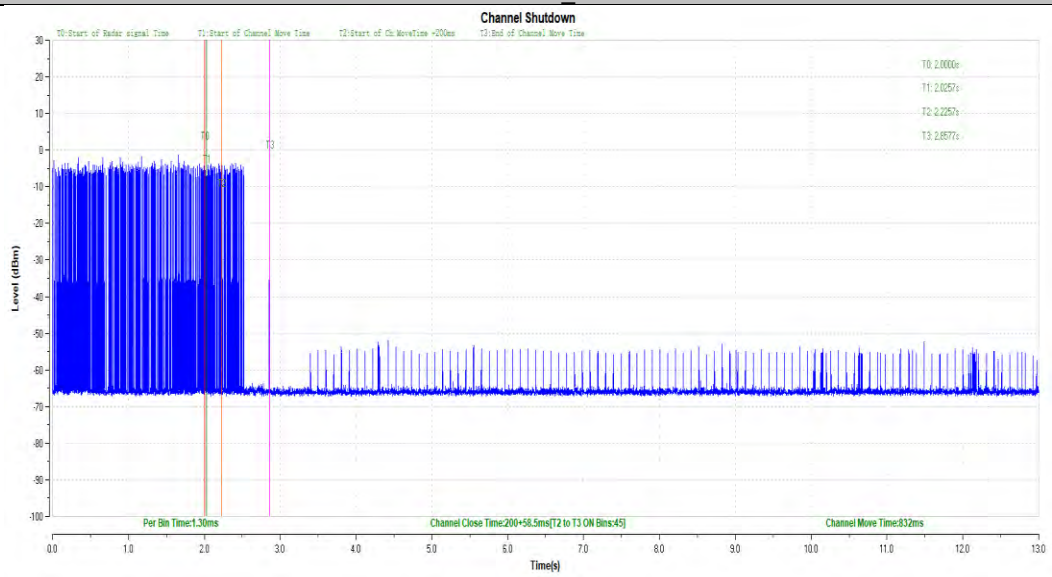
11ac40SISO_5270



11ac40SISO_5510



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Non-Occupancy Period

Test Result

TestMode	Frequency[MHz]	Result	Limit[s]	Verdict
11ac20SISO	5260	see test graph	≥1800	PASS
	5500	see test graph	≥1800	PASS
11ac40SISO	5270	see test graph	≥1800	PASS
	5510	see test graph	≥1800	PASS

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Test Graphs

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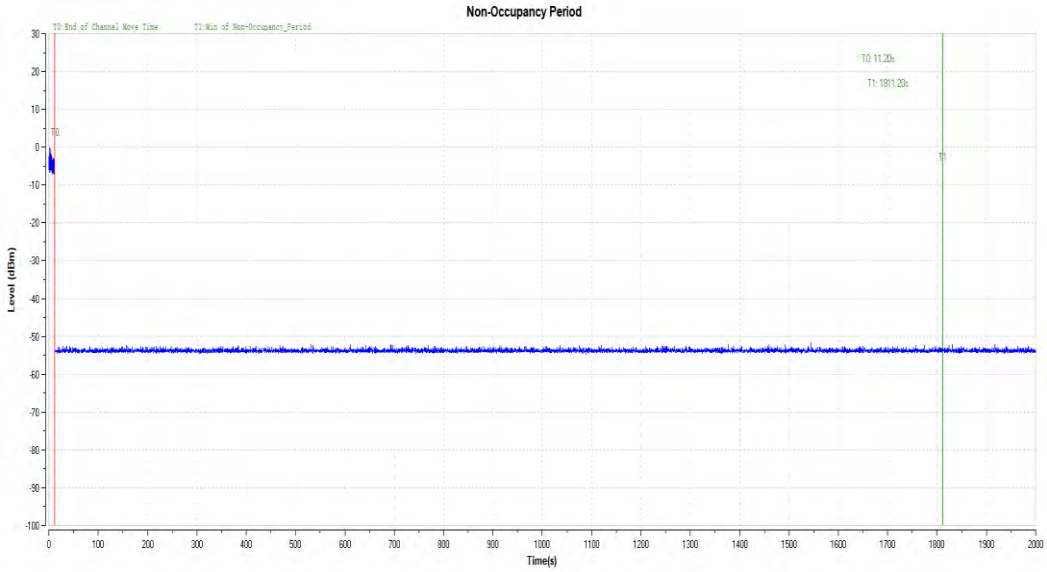
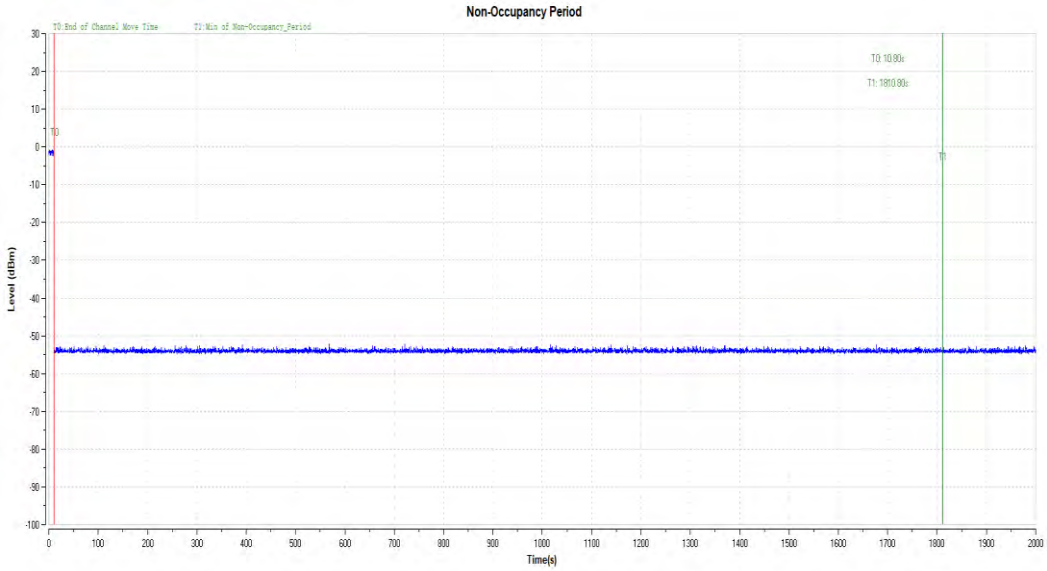


11ac20SISO_5500



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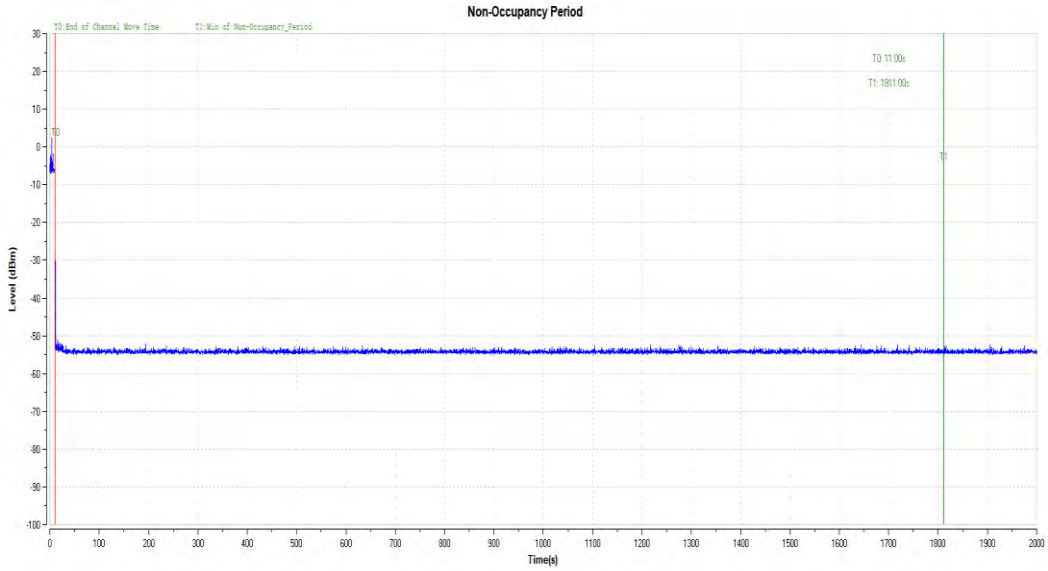

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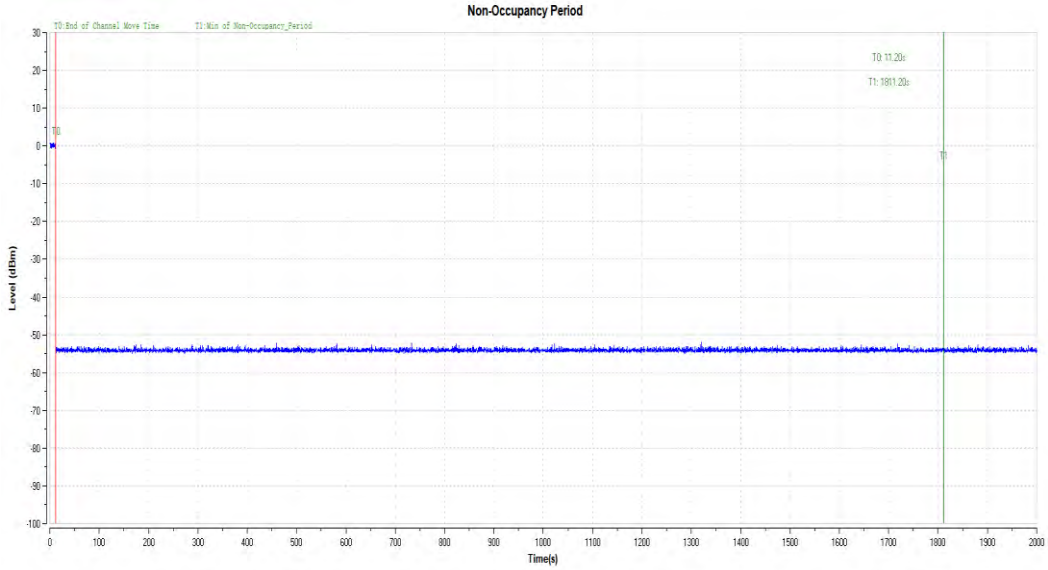

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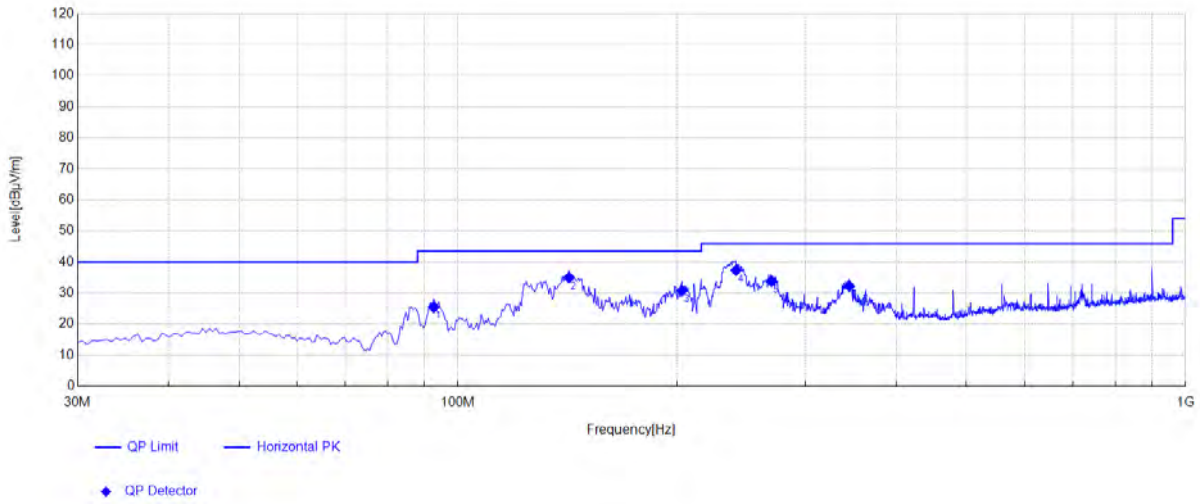
Radiated Spurious Emissions

Radiated emission below 1GHz

Worst case Mode: 802.11n40_Channel 102



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	92.5963	10.58	-27.48	42.39	25.49	43.50	18.01	Horizontal
2	142.091	7.59	-26.50	53.91	35.00	43.50	8.50	Horizontal
3	203.2316	11.27	-26.50	46.05	30.82	43.50	12.68	Horizontal
4	241.0805	12.50	-26.28	51.14	37.36	46.00	8.64	Horizontal
5	269.7099	12.59	-26.06	47.33	33.86	46.00	12.14	Horizontal
6	344.9225	14.50	-25.76	43.51	32.25	46.00	13.75	Horizontal

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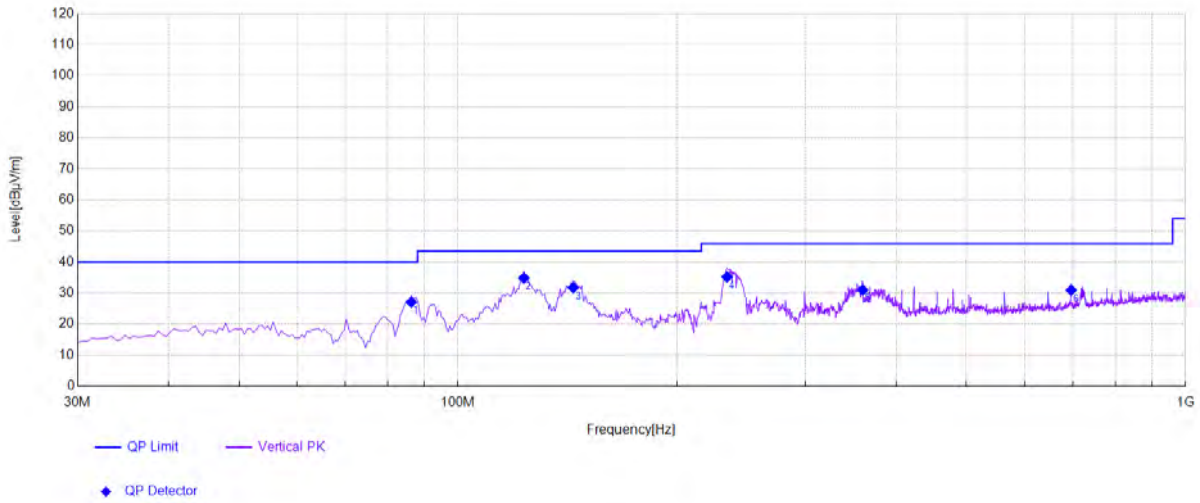

Data List								
NO.	Freq. [MHz]	AF[dB/m]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Polarity
1	86.2881	9.14	-27.47	45.42	27.09	40.00	12.91	Vertical
2	123.1666	8.78	-27.13	53.19	34.84	43.50	8.66	Vertical
3	144.032	7.79	-26.56	50.51	31.74	43.50	11.76	Vertical
4	234.2871	12.14	-26.37	49.46	35.23	46.00	10.77	Vertical
5	359.965	14.60	-25.59	42.01	31.02	46.00	14.98	Vertical
6	696.2381	19.65	-24.27	35.57	30.95	46.00	15.05	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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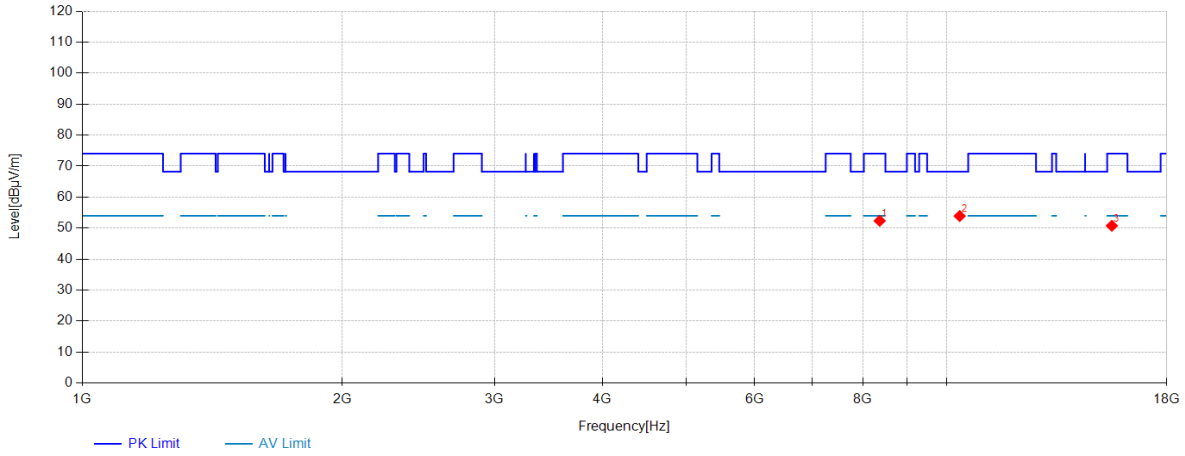
Transmitter emission Above 1GHz

802.11a_Channel 36



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	8371.5	53.60	36.39	-37.63	52.36	74.00	21.64	Horizontal
2	10360	50.83	39.16	-36.09	53.90	68.20	14.30	Horizontal
3	15540	47.73	38.74	-35.71	50.76	74.00	23.24	Horizontal

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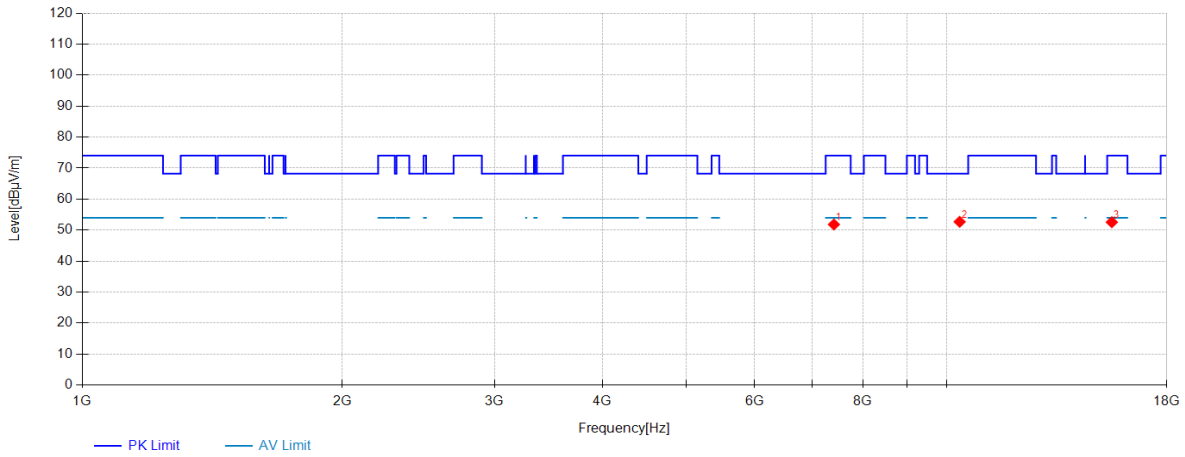
802.11a_Channel 36



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7410.5	54.02	36.72	-38.91	51.83	74.00	22.17	Vertical
2	10360	49.61	39.16	-36.09	52.68	68.20	15.52	Vertical
3	15540	49.53	38.74	-35.71	52.56	74.00	21.44	Vertical

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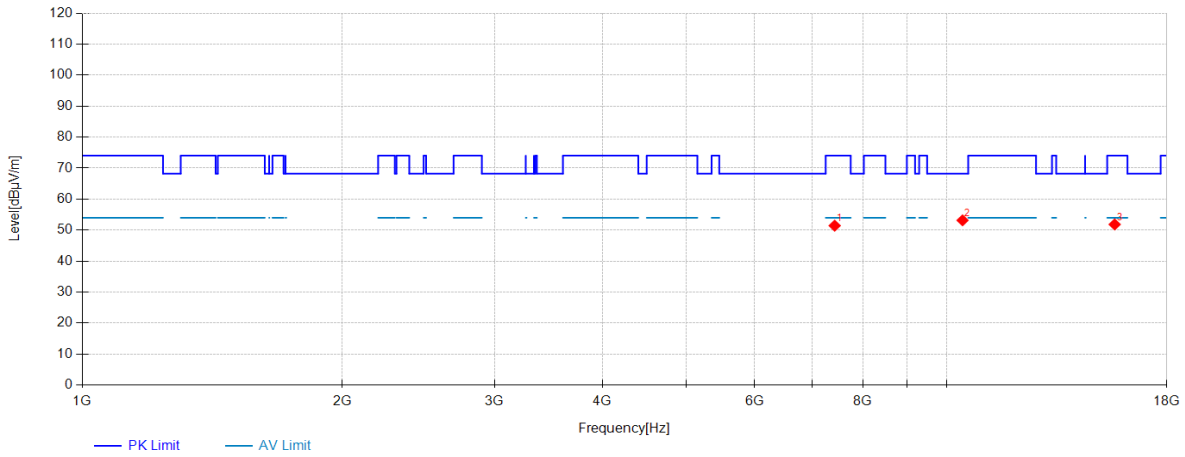
802.11a_Channel 44



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7425.5	53.59	36.75	-38.90	51.44	74.00	22.56	Horizontal
2	10440	50.16	39.08	-36.07	53.17	68.20	15.03	Horizontal
3	15660	47.40	38.50	-34.06	51.84	74.00	22.16	Horizontal

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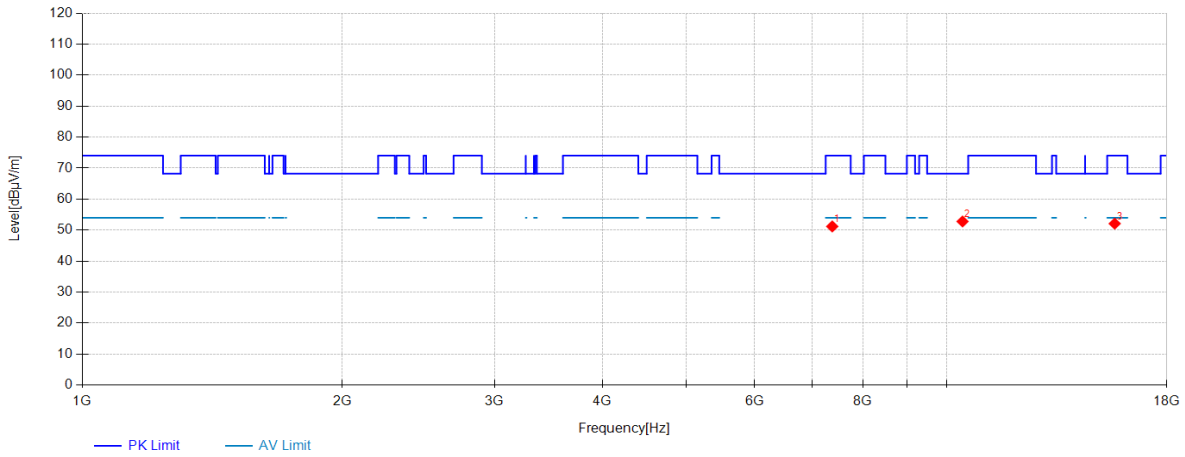

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7378.5	53.58	36.61	-39.00	51.19	74.00	22.81	Vertical
2	10440	49.79	39.08	-36.07	52.80	68.20	15.40	Vertical
3	15660	47.66	38.50	-34.06	52.10	74.00	21.90	Vertical

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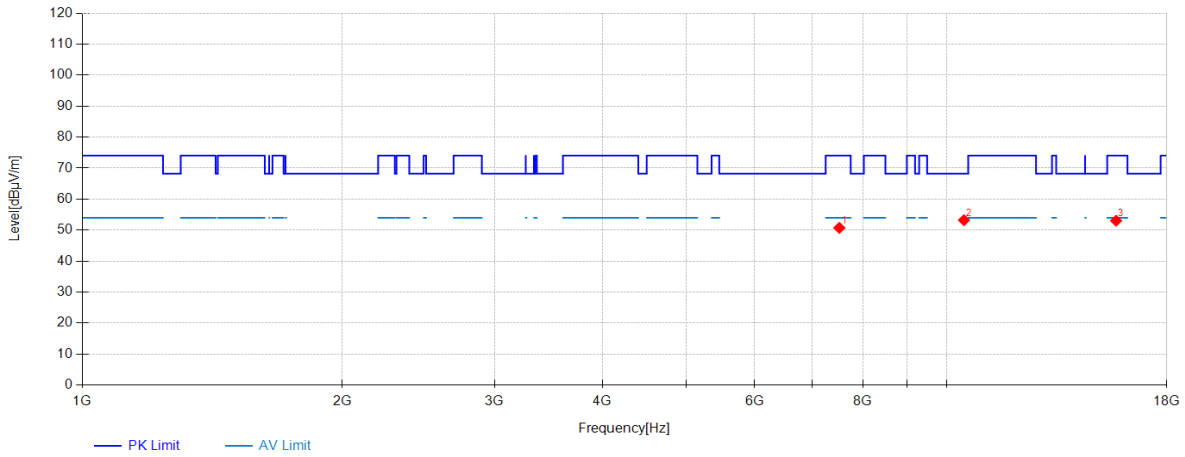

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7518.5	52.96	36.72	-38.94	50.74	74.00	23.26	Horizontal
2	10480	50.32	38.96	-36.06	53.22	68.20	14.98	Horizontal
3	15720	47.99	38.42	-33.36	53.05	74.00	20.95	Horizontal

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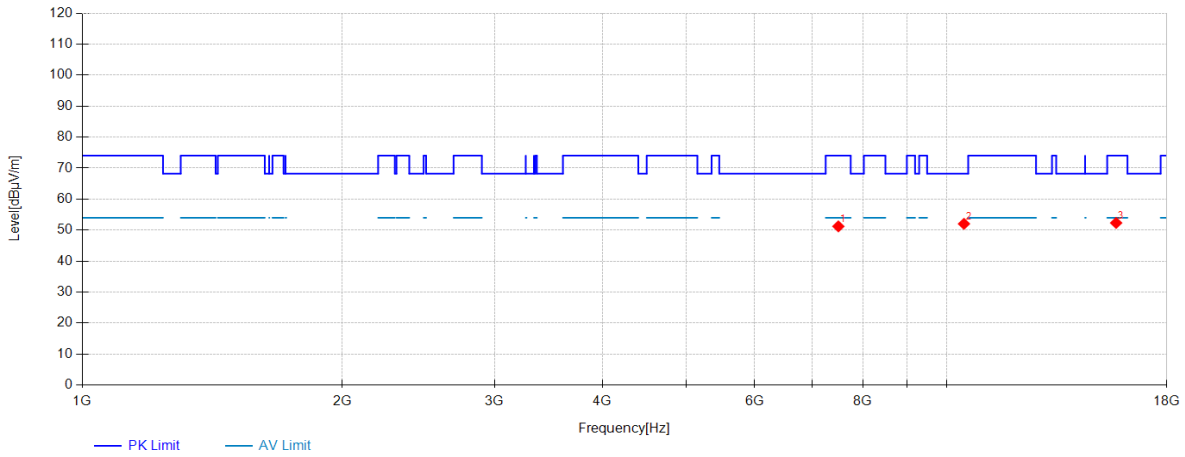

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7499	53.16	36.90	-38.84	51.22	74.00	22.78	Vertical
2	10480	49.13	38.96	-36.06	52.03	68.20	16.17	Vertical
3	15720	47.27	38.42	-33.36	52.33	74.00	21.67	Vertical

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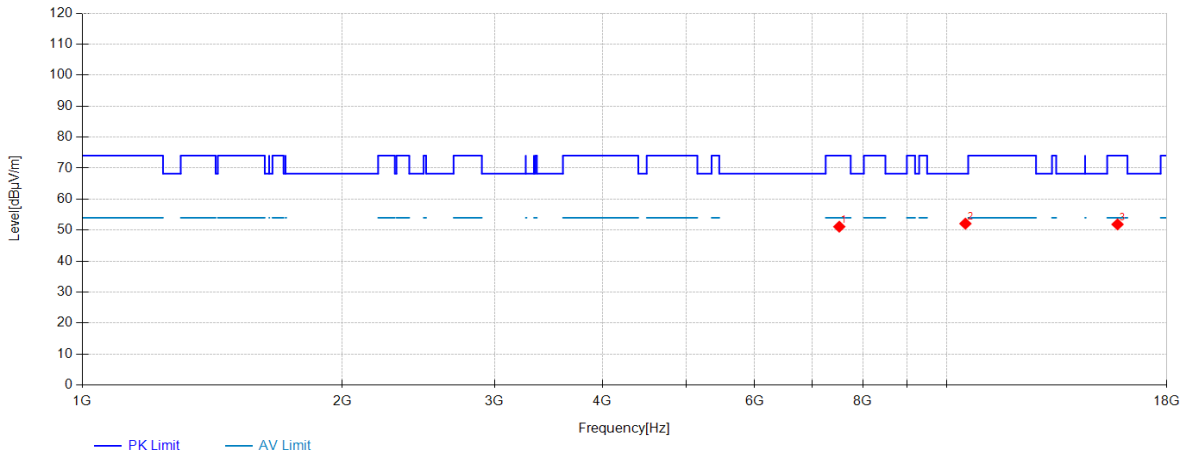

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7517.5	53.32	36.73	-38.93	51.12	74.00	22.88	Horizontal
2	10520	49.24	38.98	-36.13	52.09	68.20	16.11	Horizontal
3	15780	47.55	38.18	-33.87	51.86	74.00	22.14	Horizontal

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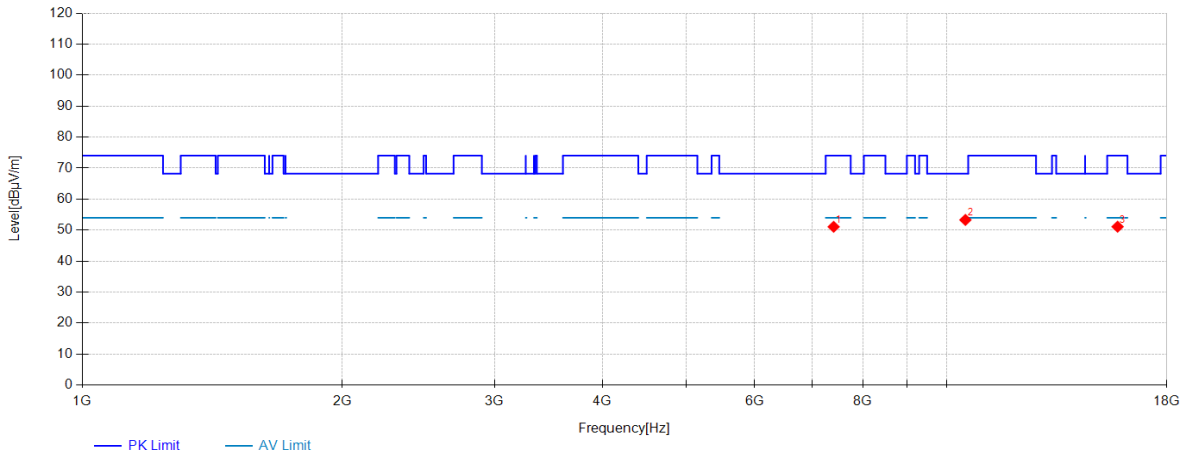

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7405.5	53.28	36.71	-38.92	51.07	74.00	22.93	Vertical
2	10520	50.44	38.98	-36.13	53.29	68.20	14.91	Vertical
3	15780	46.79	38.18	-33.87	51.10	74.00	22.90	Vertical

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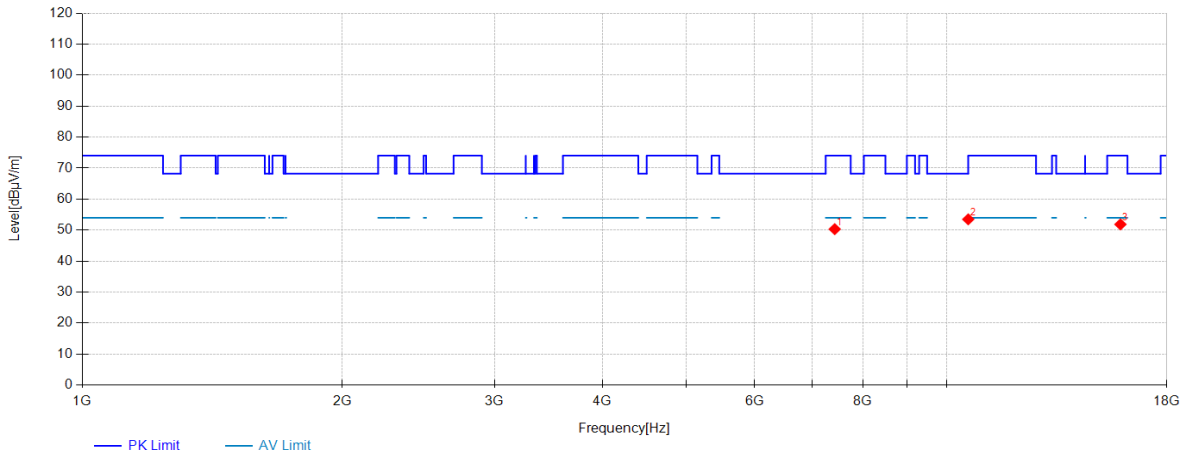
802.11a_Channel 60



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7426	52.47	36.75	-38.90	50.32	74.00	23.68	Horizontal
2	10600	50.59	39.30	-36.40	53.49	68.20	14.71	Horizontal
3	15900	47.84	37.70	-33.68	51.86	74.00	22.14	Horizontal

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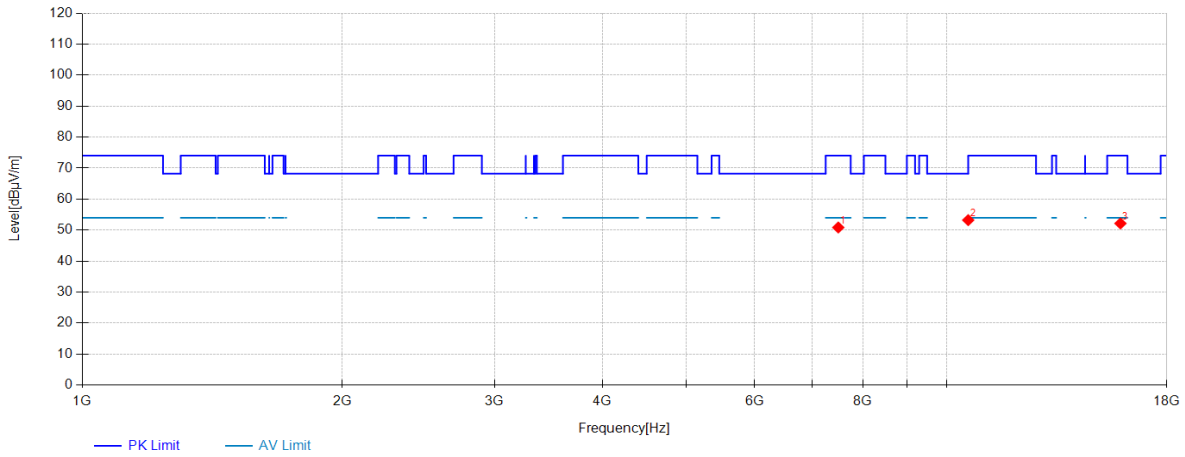
802.11a_Channel 60



Data List								
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1	7497.5	52.80	36.90	-38.84	50.86	74.00	23.14	Vertical
2	10600	50.33	39.30	-36.40	53.23	68.20	14.97	Vertical
3	15900	48.14	37.70	-33.68	52.16	74.00	21.84	Vertical

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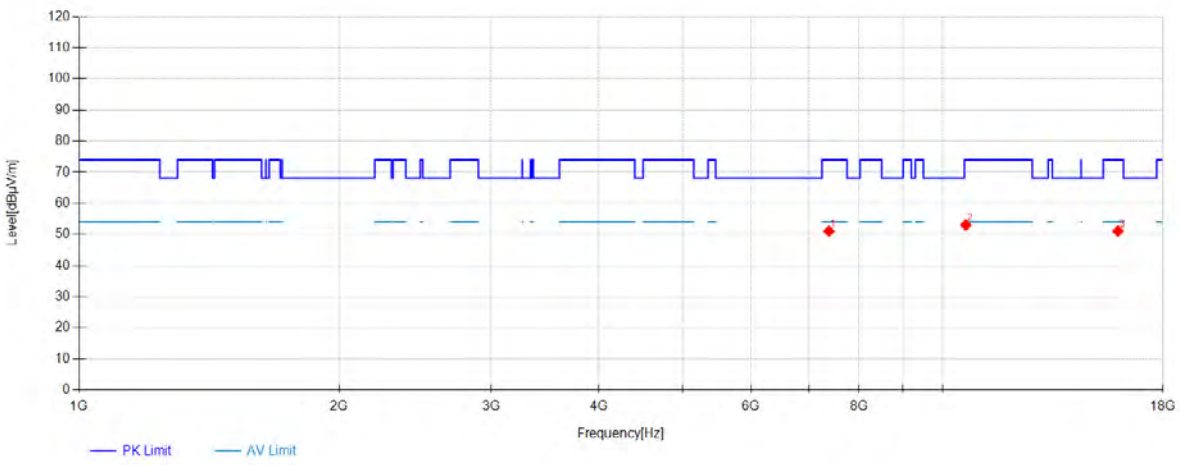
802.11a_Channel 64



Data List								
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1	7385.5	53.39	36.64	-38.97	51.06	74.00	22.94	Horizontal
2	10640	50.11	39.38	-36.44	53.05	74.00	20.95	Horizontal
3	15960	47.74	37.82	-34.46	51.10	74.00	22.90	Horizontal

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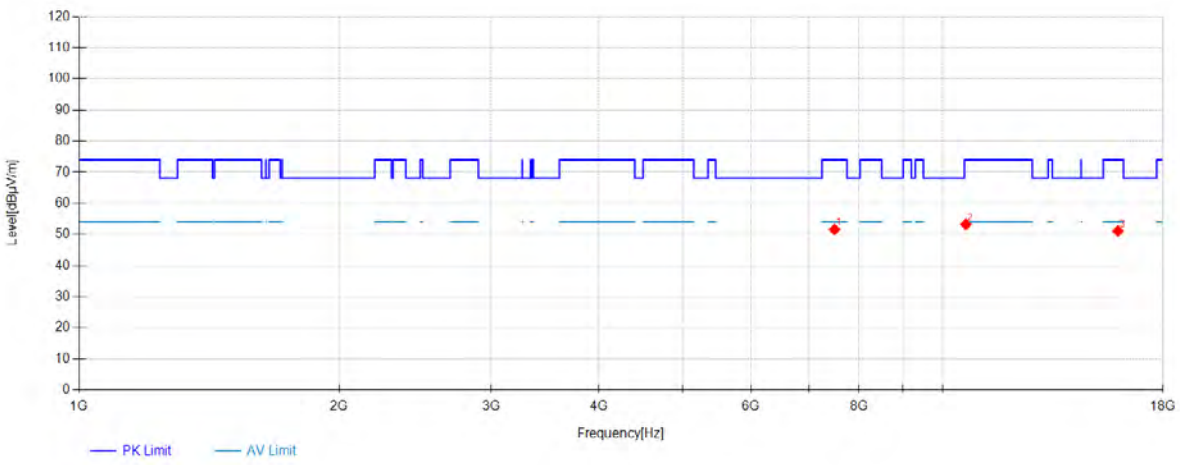

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7496	53.57	36.89	-38.84	51.62	74.00	22.38	Vertical
2	10640	50.31	39.38	-36.44	53.25	74.00	20.75	Vertical
3	15960	47.76	37.82	-34.46	51.12	74.00	22.88	Vertical

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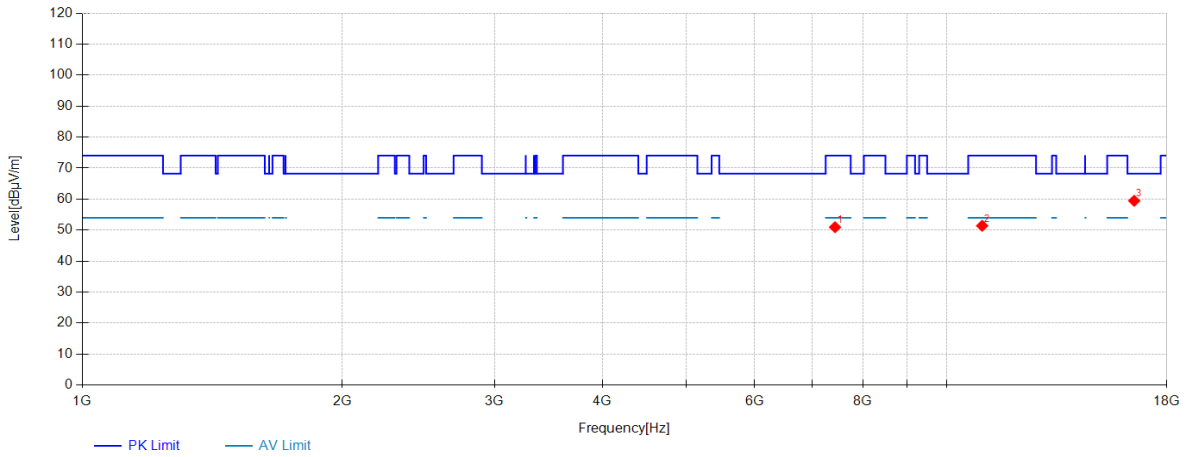
802.11a_Channel 100



Data List								
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1	7432.5	53.07	36.77	-38.89	50.95	74.00	23.05	Horizontal
2	11000	49.46	40.10	-38.16	51.40	74.00	22.60	Horizontal
3	16494.5	56.99	39.27	-36.80	59.46	68.20	8.74	Horizontal

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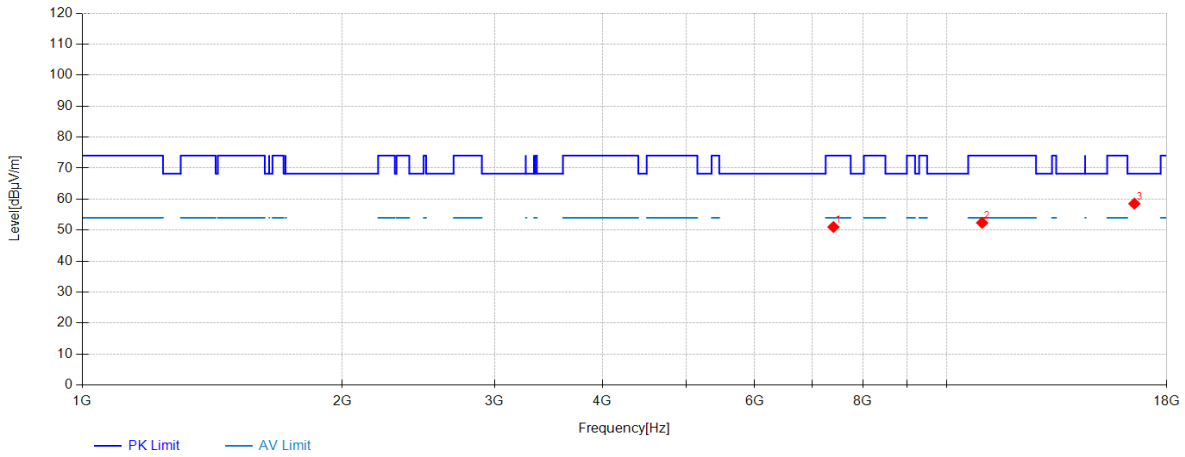

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7401	53.23	36.70	-38.92	51.01	74.00	22.99	Vertical
2	11000	50.42	40.10	-38.16	52.36	74.00	21.64	Vertical
3	16503.5	56.17	39.31	-36.94	58.54	68.20	9.66	Vertical

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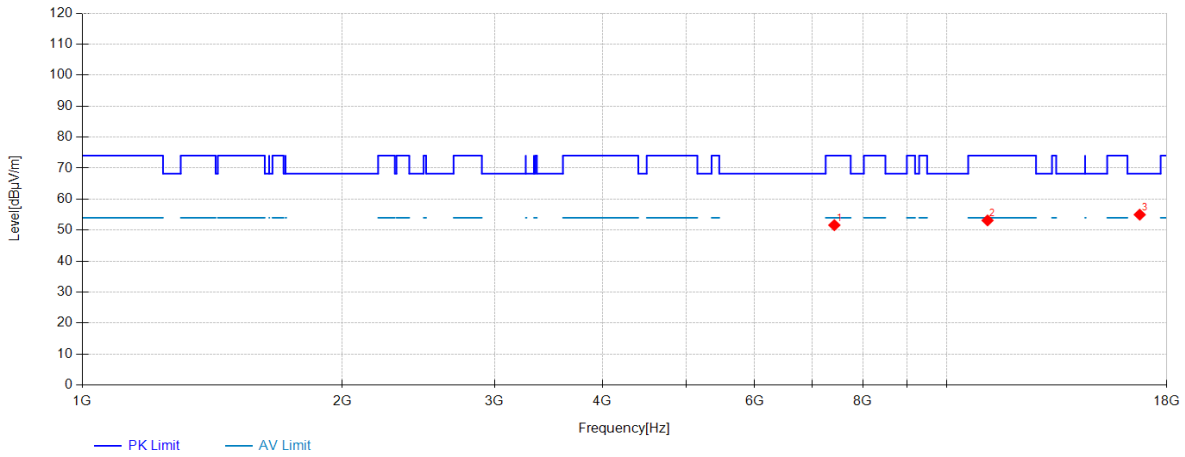

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7418.5	53.78	36.74	-38.91	51.61	74.00	22.39	Horizontal
2	11160	51.28	40.20	-38.35	53.13	74.00	20.87	Horizontal
3	16739.5	52.14	39.48	-36.63	54.99	68.20	13.21	Horizontal

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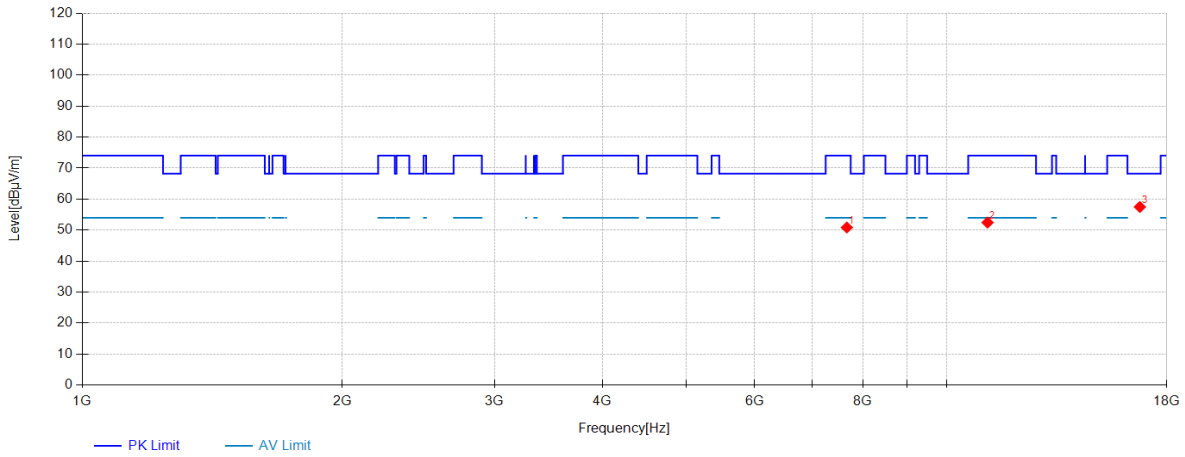

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7670.5	53.00	36.68	-38.82	50.86	74.00	23.14	Vertical
2	11160	50.60	40.20	-38.35	52.45	74.00	21.55	Vertical
3	16746.5	54.67	39.49	-36.68	57.48	68.20	10.72	Vertical

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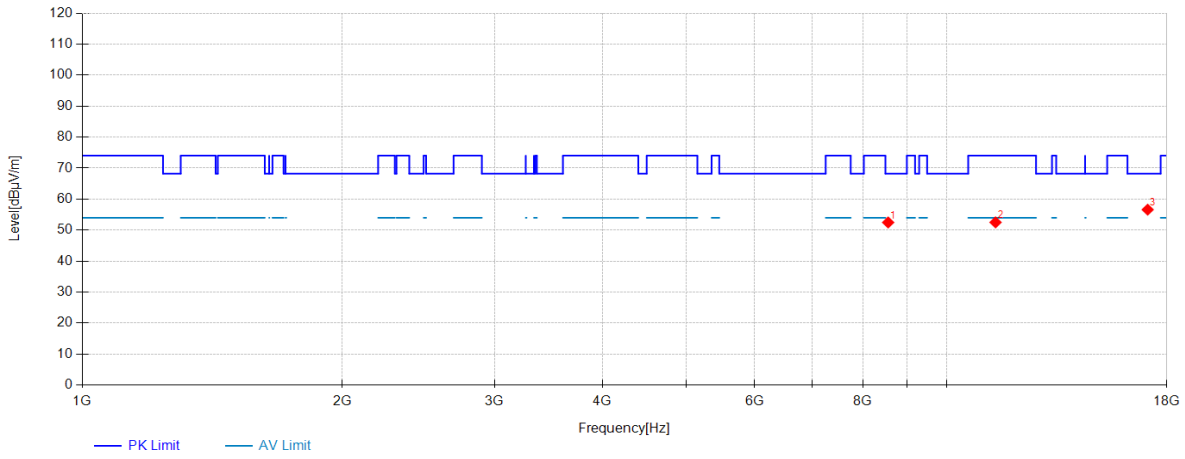

Data List								
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1	8563	53.27	36.57	-37.37	52.47	68.20	15.73	Horizontal
2	11400	50.55	40.30	-38.34	52.51	74.00	21.49	Horizontal
3	17097.5	52.41	42.08	-37.89	56.60	68.20	11.60	Horizontal

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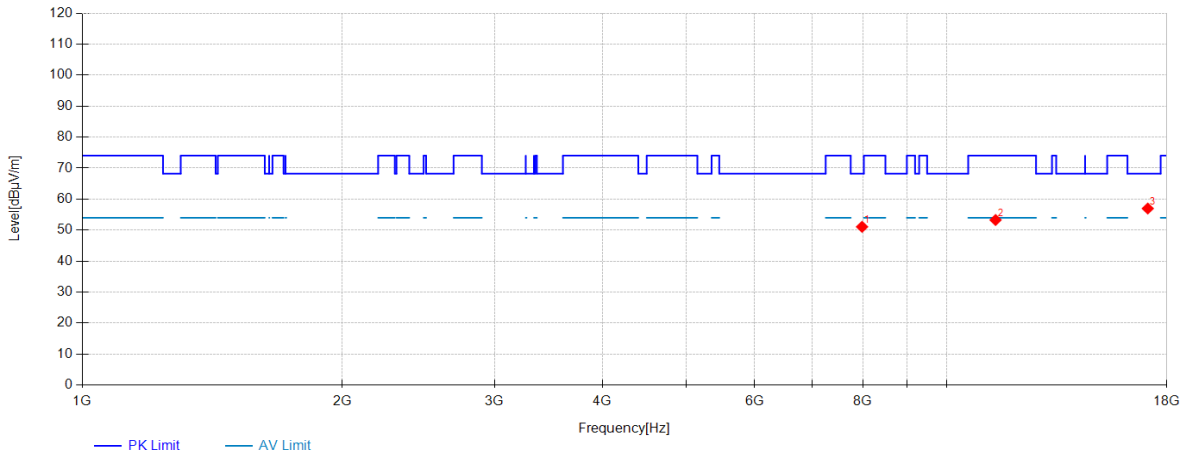

Data List								
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1	7987.5	52.63	36.40	-37.96	51.07	68.20	17.13	Vertical
2	11400	51.31	40.30	-38.34	53.27	74.00	20.73	Vertical
3	17102.5	52.81	42.11	-37.94	56.98	68.20	11.22	Vertical

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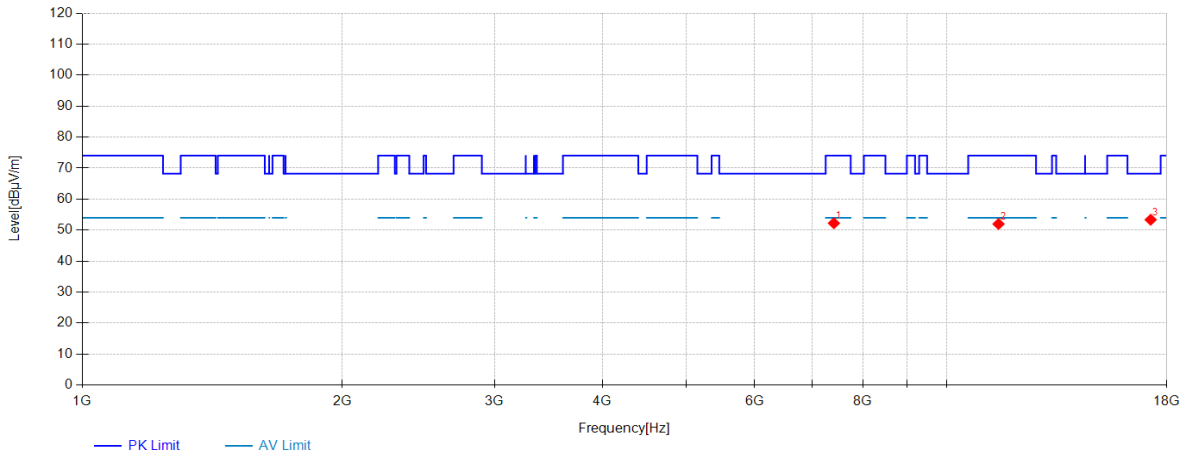

Data List								
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1	7410	54.43	36.72	-38.91	52.24	74.00	21.76	Horizontal
2	11490	50.53	40.21	-38.77	51.97	74.00	22.03	Horizontal
3	17235	49.56	42.78	-38.98	53.36	68.20	14.84	Horizontal

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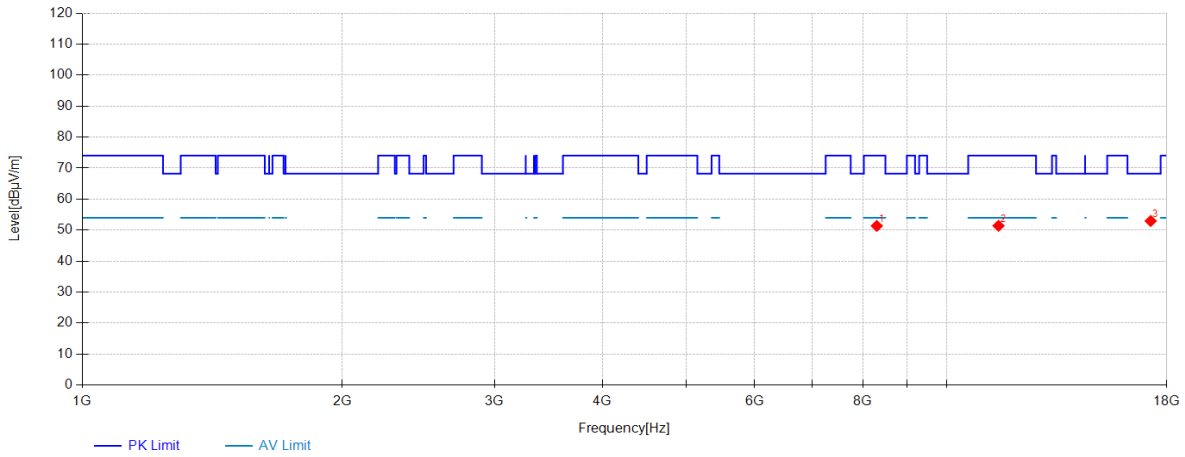

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1	8308	52.75	36.38	-37.77	51.36	74.00	22.64	Vertical
2	11490	49.96	40.21	-38.77	51.40	74.00	22.60	Vertical
3	17235	49.15	42.78	-38.98	52.95	68.20	15.25	Vertical

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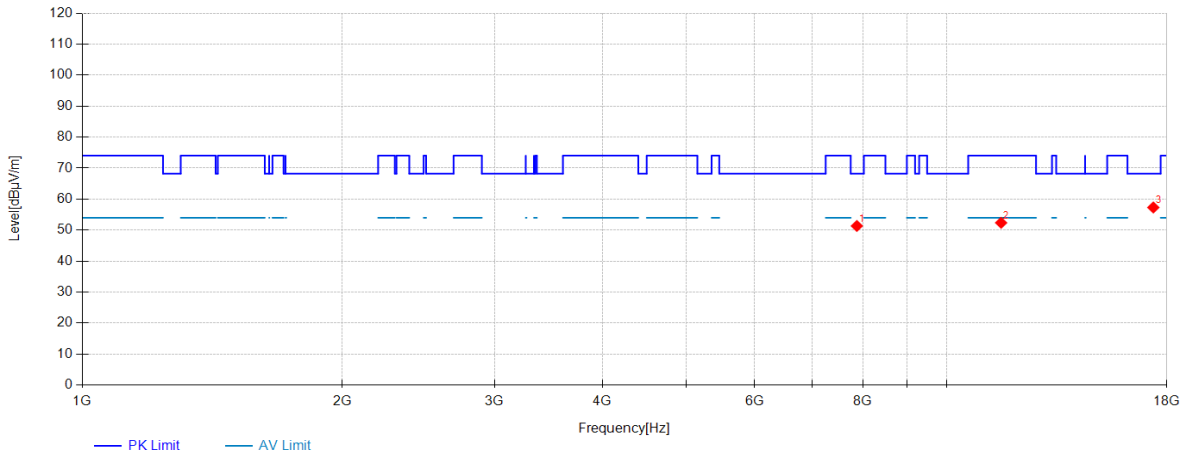

Data List								
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1	7878	52.91	36.63	-38.19	51.35	68.20	16.85	Horizontal
2	11570	50.05	40.27	-37.95	52.37	74.00	21.63	Horizontal
3	17357	52.04	43.98	-38.72	57.30	68.20	10.90	Horizontal

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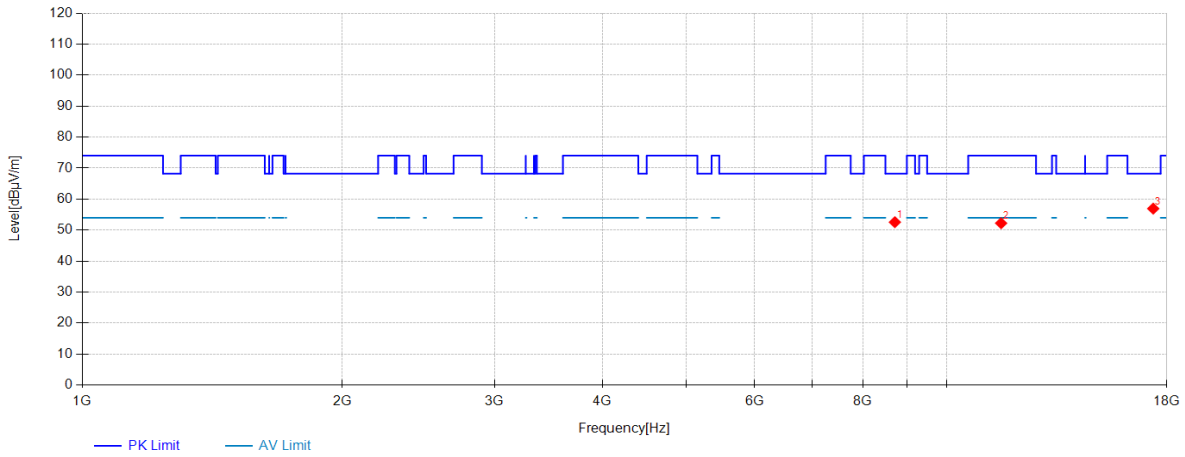

Data List								
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1	8717	52.97	36.67	-37.07	52.57	68.20	15.63	Vertical
2	11570	49.92	40.27	-37.95	52.24	74.00	21.76	Vertical
3	17352.5	51.72	43.93	-38.71	56.94	68.20	11.26	Vertical

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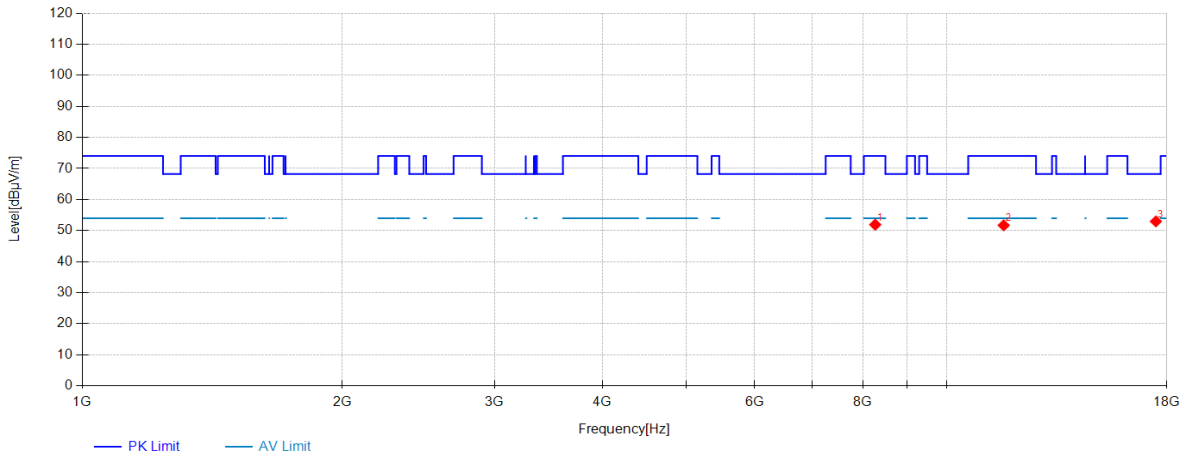

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	8273	53.27	36.45	-37.81	51.91	74.00	22.09	Horizontal
2	11650	49.88	40.10	-38.28	51.70	74.00	22.30	Horizontal
3	17475	47.42	44.73	-39.19	52.96	68.20	15.24	Horizontal

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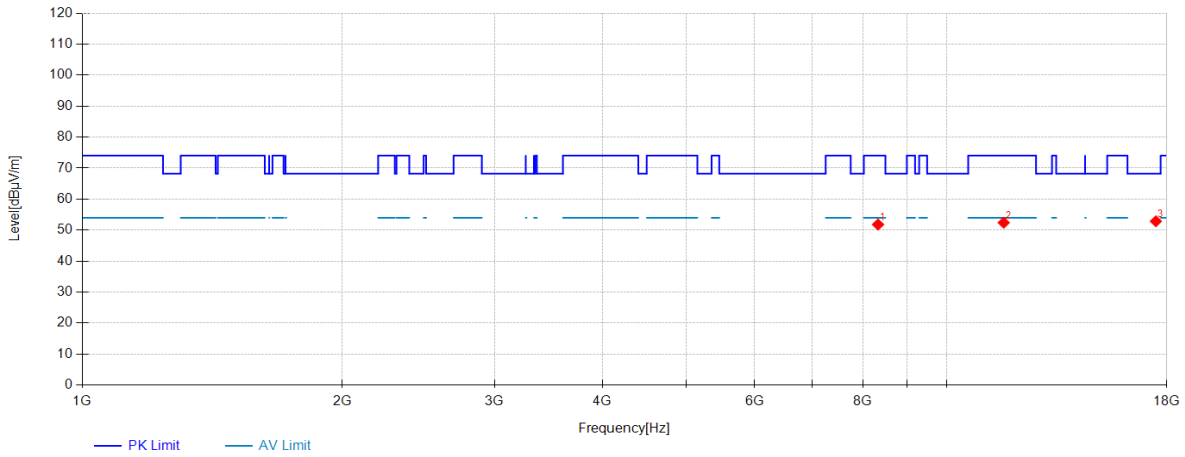

Data List								
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1	8335.5	53.19	36.33	-37.71	51.81	74.00	22.19	Vertical
2	11650	50.58	40.10	-38.28	52.40	74.00	21.60	Vertical
3	17475	47.32	44.73	-39.19	52.86	68.20	15.34	Vertical

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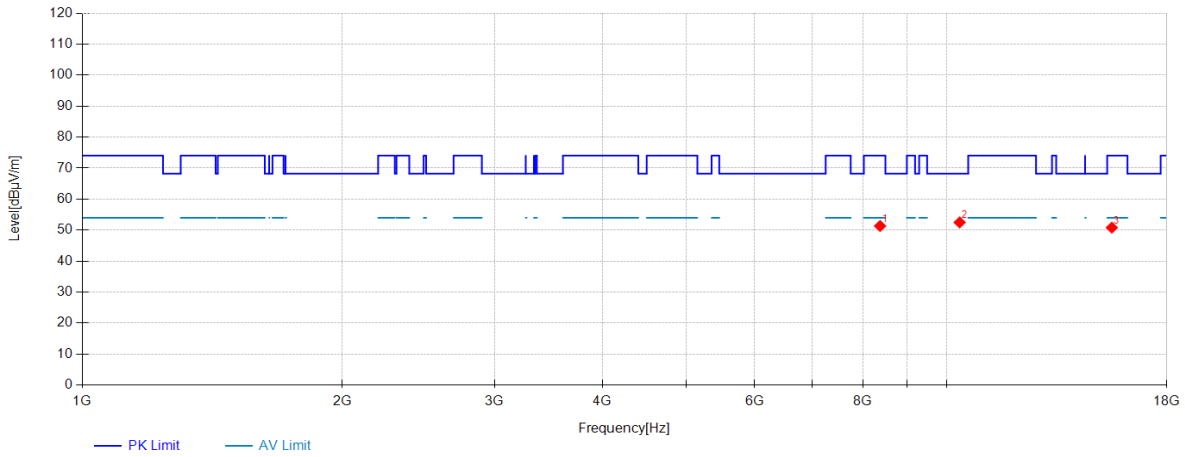

Data List								
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1	8380.5	52.52	36.42	-37.60	51.34	74.00	22.66	Horizontal
2	10360	49.43	39.16	-36.09	52.50	68.20	15.70	Horizontal
3	15540	47.77	38.74	-35.71	50.80	74.00	23.20	Horizontal

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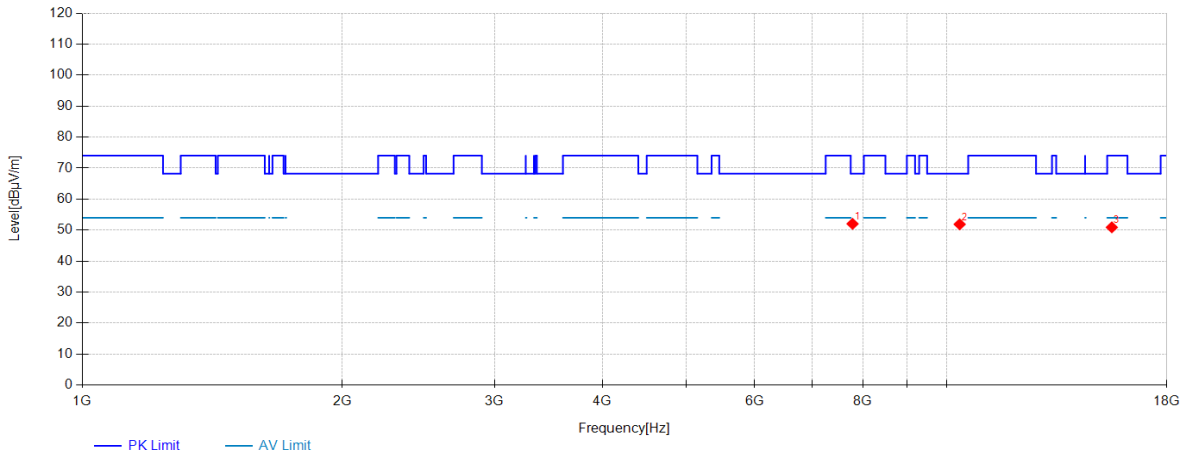

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7787.5	53.71	36.55	-38.23	52.03	68.20	16.17	Vertical
2	10360	48.82	39.16	-36.09	51.89	68.20	16.31	Vertical
3	15540	47.87	38.74	-35.71	50.90	74.00	23.10	Vertical

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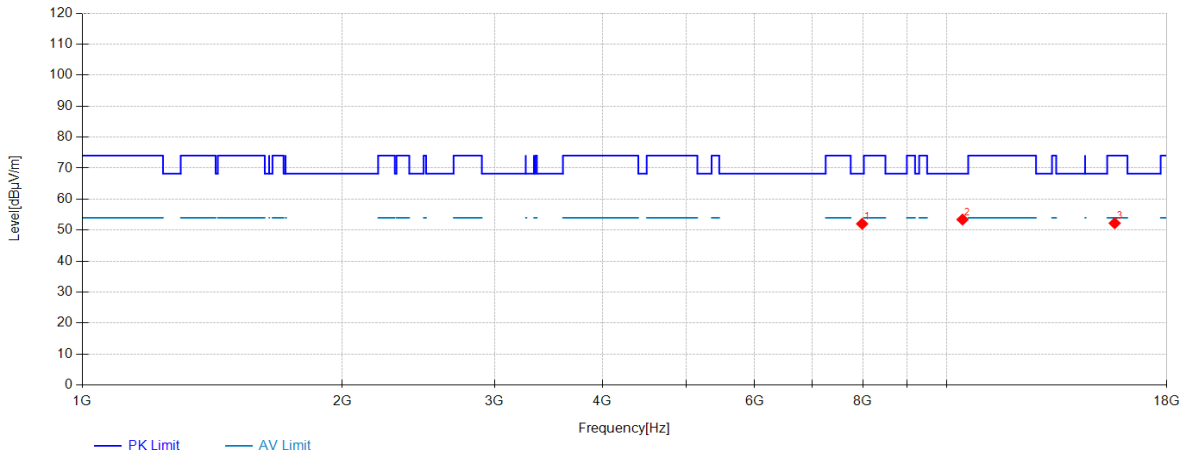

Data List								
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1	7989.5	53.59	36.40	-37.96	52.03	68.20	16.17	Horizontal
2	10440	50.40	39.08	-36.07	53.41	68.20	14.79	Horizontal
3	15660	47.80	38.50	-34.06	52.24	74.00	21.76	Horizontal

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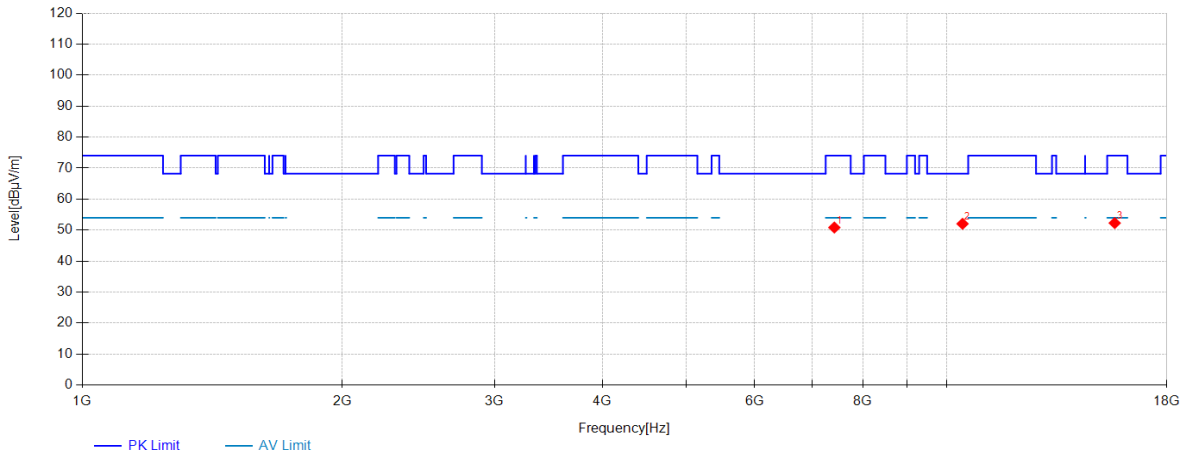

Data List								
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1	7420	53.00	36.74	-38.90	50.84	74.00	23.16	Vertical
2	10440	49.03	39.08	-36.07	52.04	68.20	16.16	Vertical
3	15660	47.84	38.50	-34.06	52.28	74.00	21.72	Vertical

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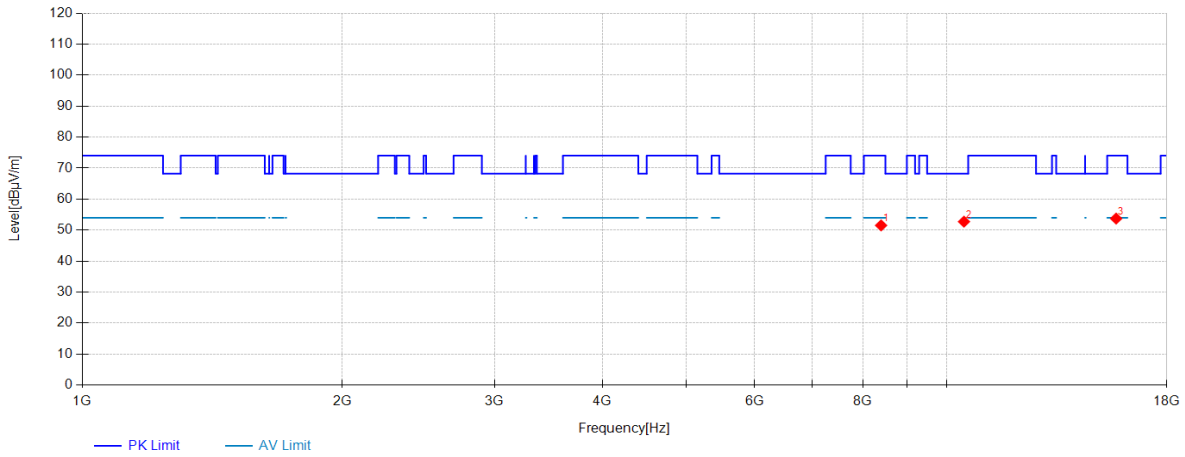

Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8403	52.58	36.49	-37.55	51.52	74.00	22.48	Horizontal
2	10480	49.84	38.96	-36.06	52.74	68.20	15.46	Horizontal
3	15720	48.67	38.42	-33.36	53.73	74.00	20.27	Horizontal

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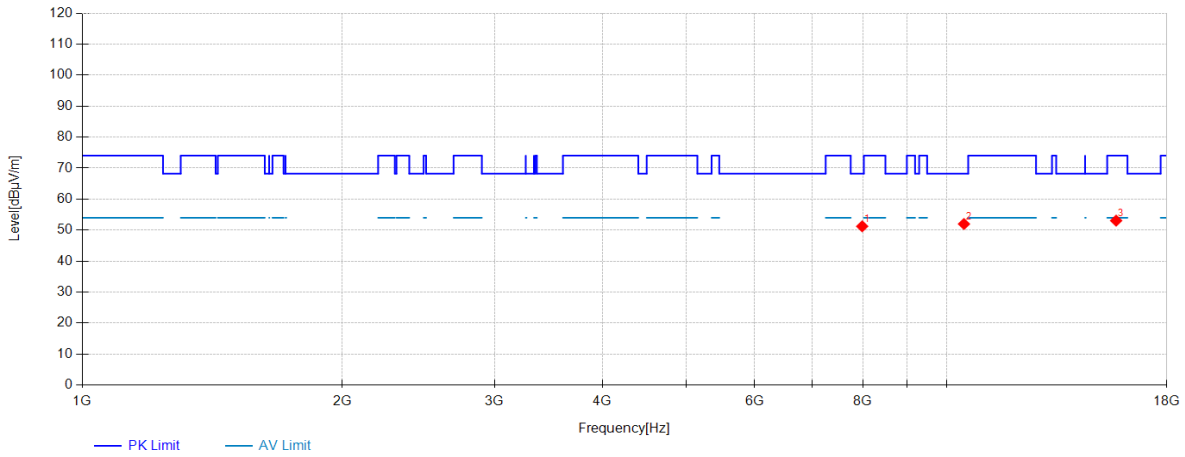

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1	7990.5	52.78	36.40	-37.95	51.23	68.20	16.97	Vertical
2	10480	49.08	38.96	-36.06	51.98	68.20	16.22	Vertical
3	15720	48.01	38.42	-33.36	53.07	74.00	20.93	Vertical

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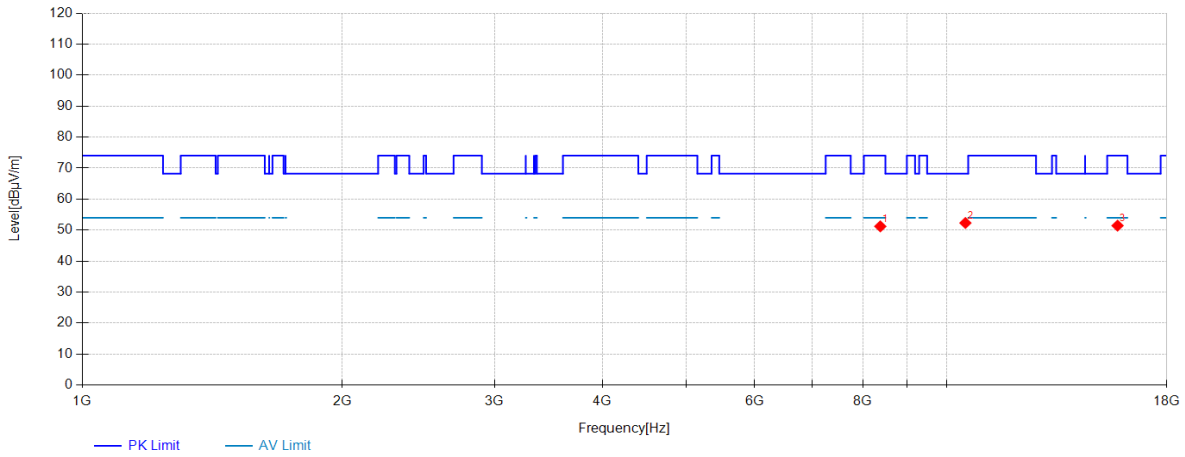
802.11n20_Channel 52



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1	8385.5	52.37	36.44	-37.59	51.22	74.00	22.78	Horizontal
2	10520	49.46	38.98	-36.13	52.31	68.20	15.89	Horizontal
3	15780	47.14	38.18	-33.87	51.45	74.00	22.55	Horizontal

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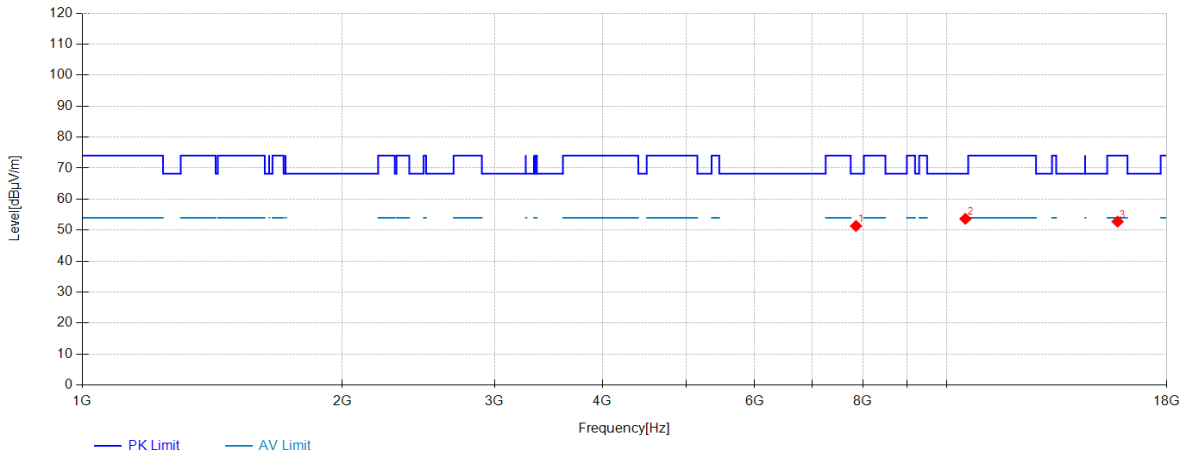

Data List								
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1	7859.5	52.80	36.74	-38.19	51.35	68.20	16.85	Vertical
2	10520	50.80	38.98	-36.13	53.65	68.20	14.55	Vertical
3	15780	48.43	38.18	-33.87	52.74	74.00	21.26	Vertical

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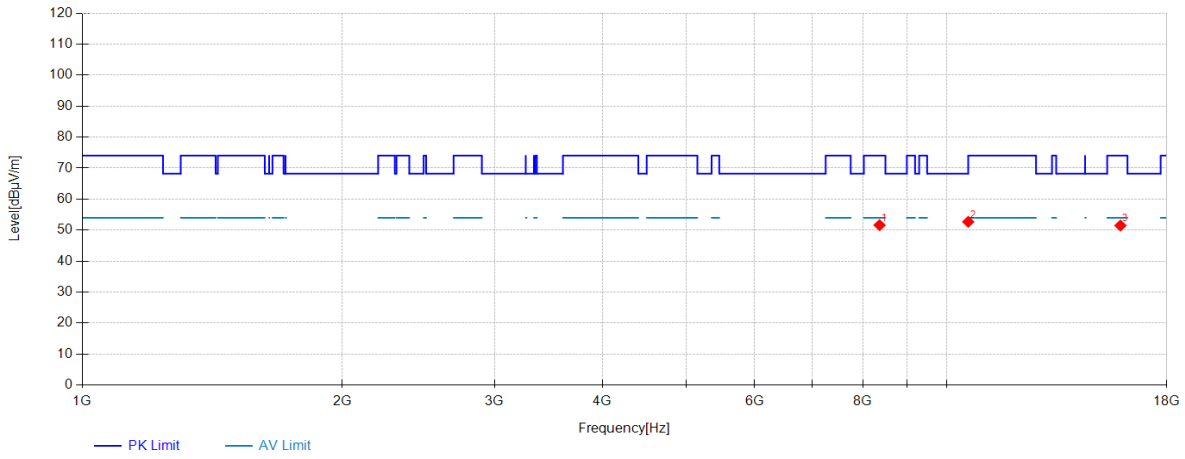

Data List								
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1	8368.5	52.88	36.37	-37.63	51.62	74.00	22.38	Horizontal
2	10600	49.79	39.30	-36.40	52.69	68.20	15.51	Horizontal
3	15900	47.47	37.70	-33.68	51.49	74.00	22.51	Horizontal

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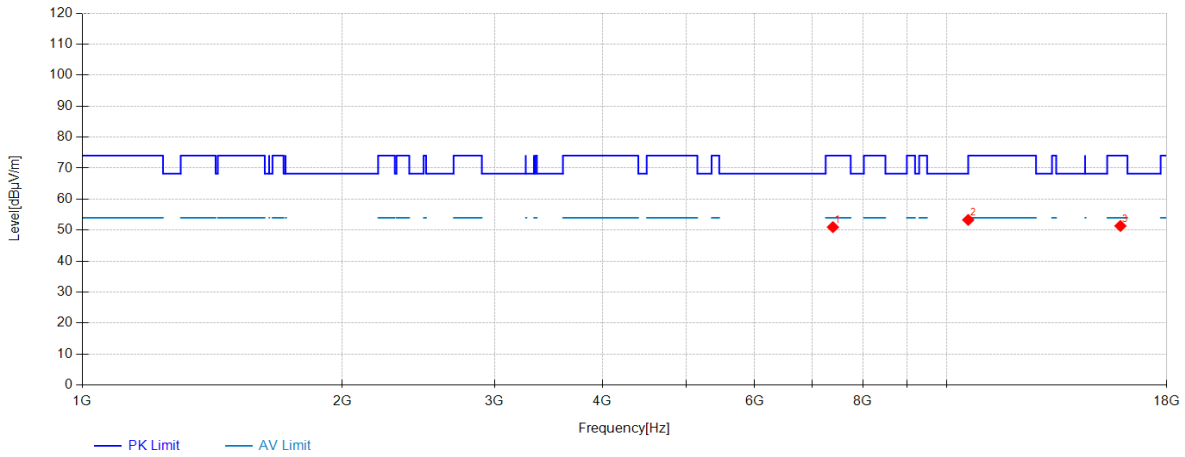

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7391	53.25	36.66	-38.95	50.96	74.00	23.04	Vertical
2	10600	50.40	39.30	-36.40	53.30	68.20	14.90	Vertical
3	15900	47.33	37.70	-33.68	51.35	74.00	22.65	Vertical

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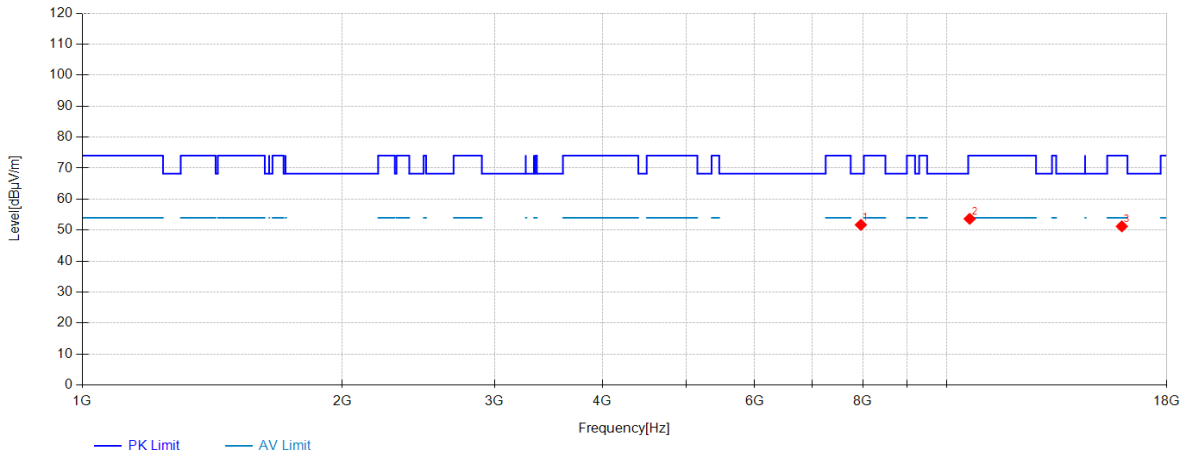

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7962.5	53.34	36.40	-38.03	51.71	68.20	16.49	Horizontal
2	10640	50.70	39.38	-36.44	53.64	74.00	20.36	Horizontal
3	15960	47.86	37.82	-34.46	51.22	74.00	22.78	Horizontal

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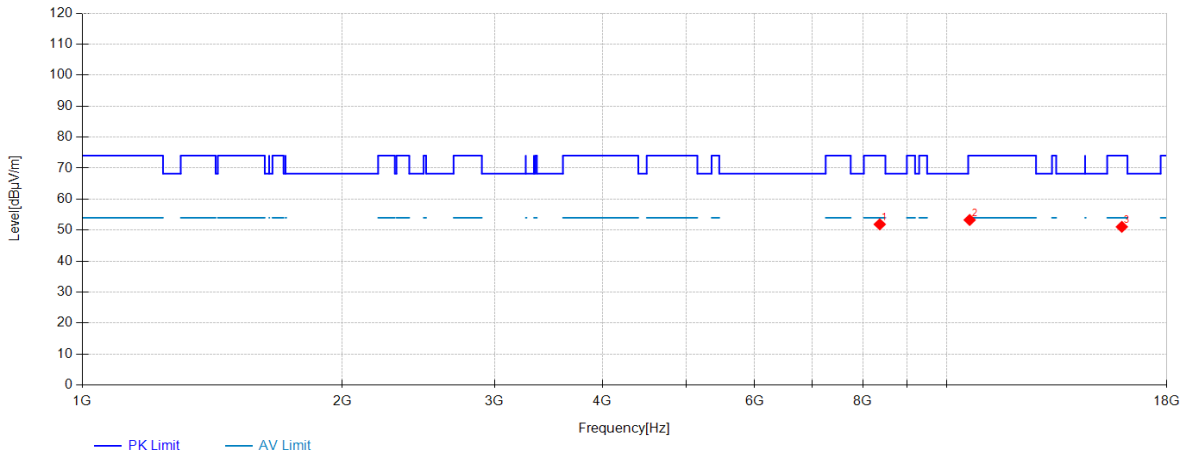

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	8373	53.10	36.39	-37.62	51.87	74.00	22.13	Vertical
2	10640	50.34	39.38	-36.44	53.28	74.00	20.72	Vertical
3	15960	47.71	37.82	-34.46	51.07	74.00	22.93	Vertical

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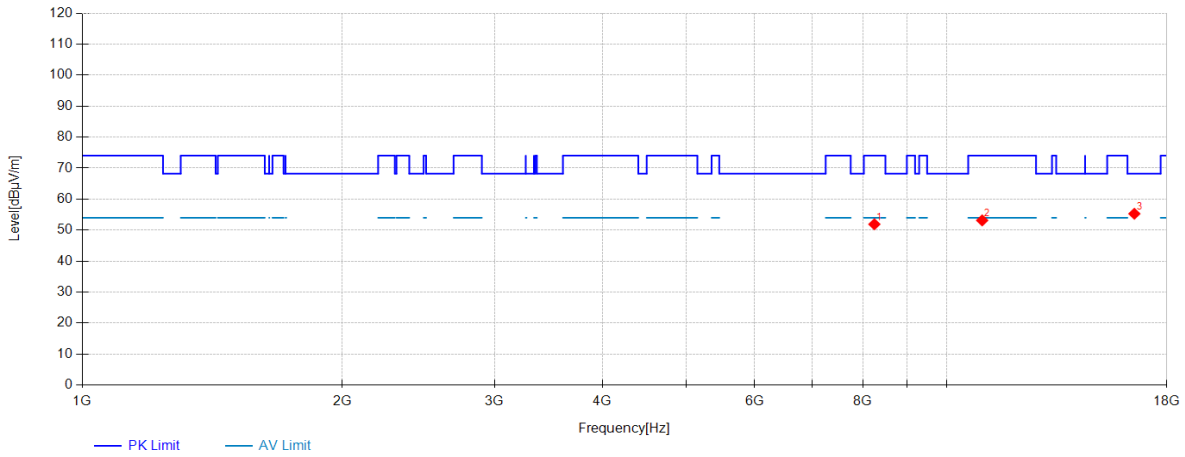

Data List								
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1	8254	53.24	36.49	-37.83	51.90	74.00	22.10	Horizontal
2	11000	51.21	40.10	-38.16	53.15	74.00	20.85	Horizontal
3	16502	52.94	39.30	-36.95	55.29	68.20	12.91	Horizontal

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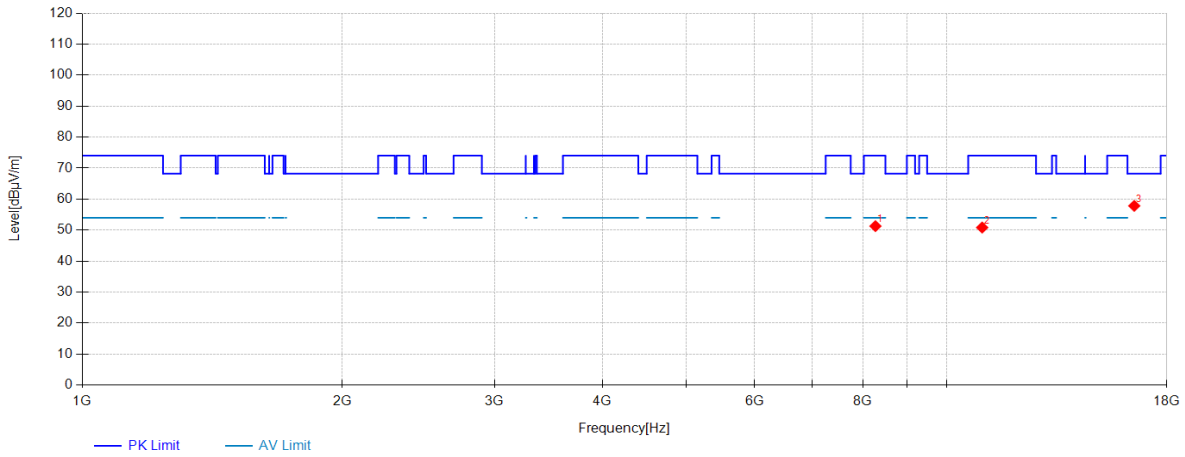

Data List								
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1	8277.5	52.65	36.45	-37.81	51.29	74.00	22.71	Vertical
2	11000	48.90	40.10	-38.16	50.84	74.00	23.16	Vertical
3	16497.5	55.43	39.29	-36.89	57.83	68.20	10.37	Vertical

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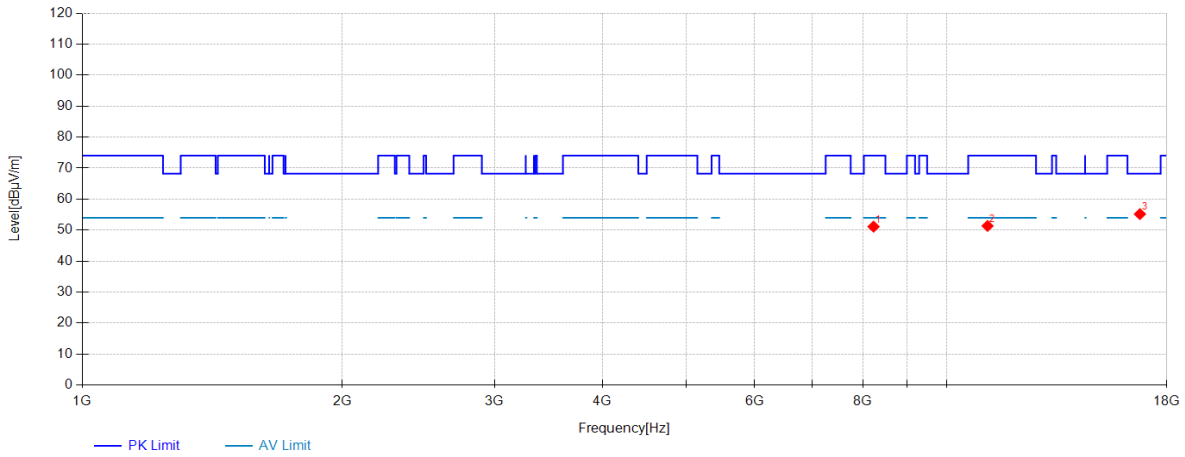

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	8235.5	52.52	36.44	-37.84	51.12	74.00	22.88	Horizontal
2	11160	49.50	40.20	-38.35	51.35	74.00	22.65	Horizontal
3	16748.5	52.37	39.50	-36.69	55.18	68.20	13.02	Horizontal

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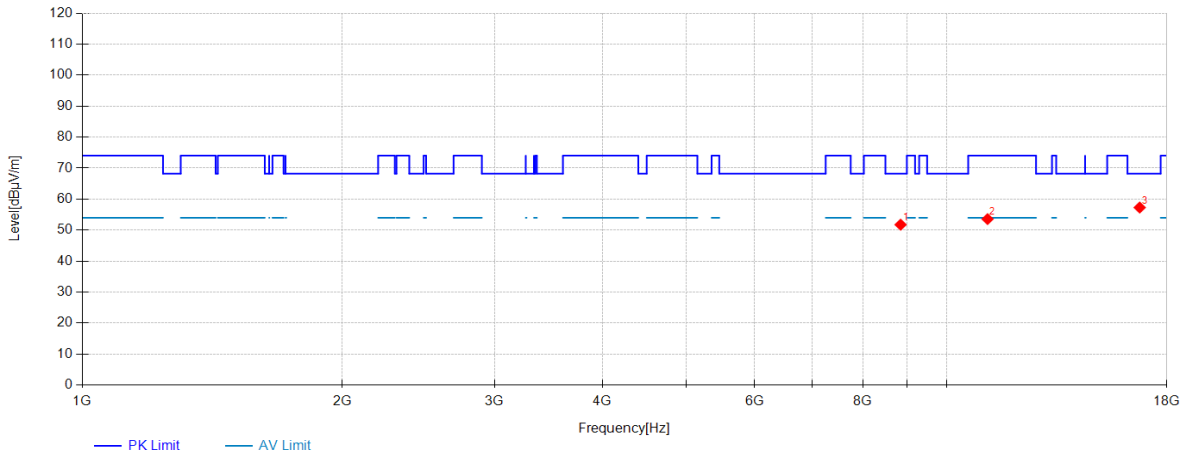

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	8852	51.74	36.80	-36.78	51.76	68.20	16.44	Vertical
2	11160	51.72	40.20	-38.35	53.57	74.00	20.43	Vertical
3	16738.5	54.44	39.48	-36.63	57.29	68.20	10.91	Vertical

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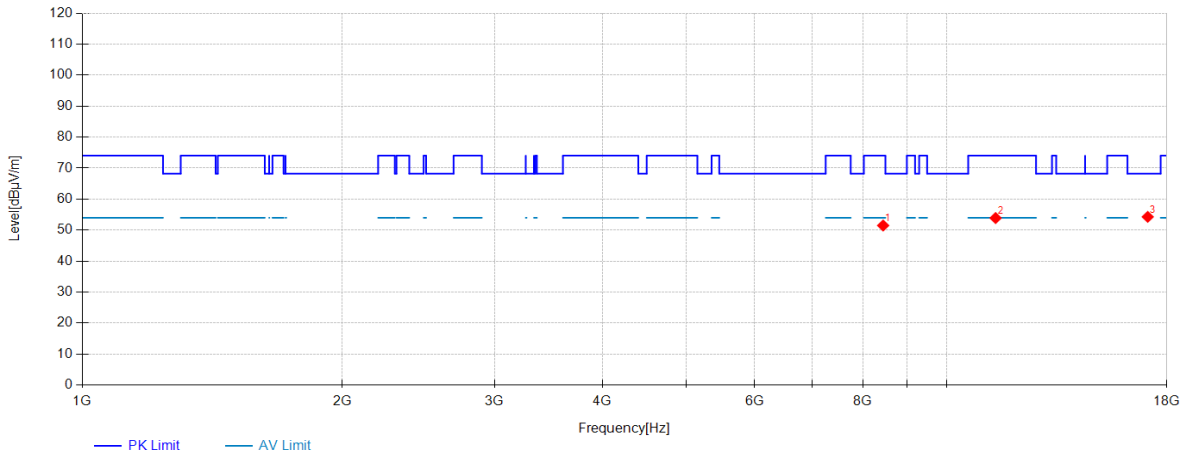
802.11n20_Channel 140



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1	8450	52.51	36.40	-37.42	51.49	74.00	22.51	Horizontal
2	11400	51.94	40.30	-38.34	53.90	74.00	20.10	Horizontal
3	17100	50.10	42.10	-37.91	54.29	68.20	13.91	Horizontal

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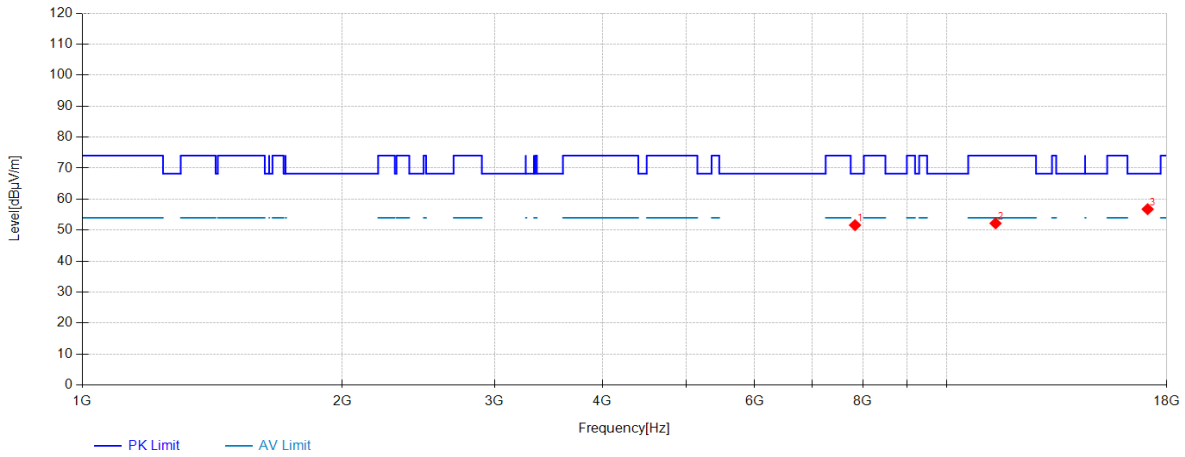

Data List								
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1	7840	53.03	36.76	-38.18	51.61	68.20	16.59	Vertical
2	11400	50.23	40.30	-38.34	52.19	74.00	21.81	Vertical
3	17098	52.57	42.08	-37.89	56.76	68.20	11.44	Vertical

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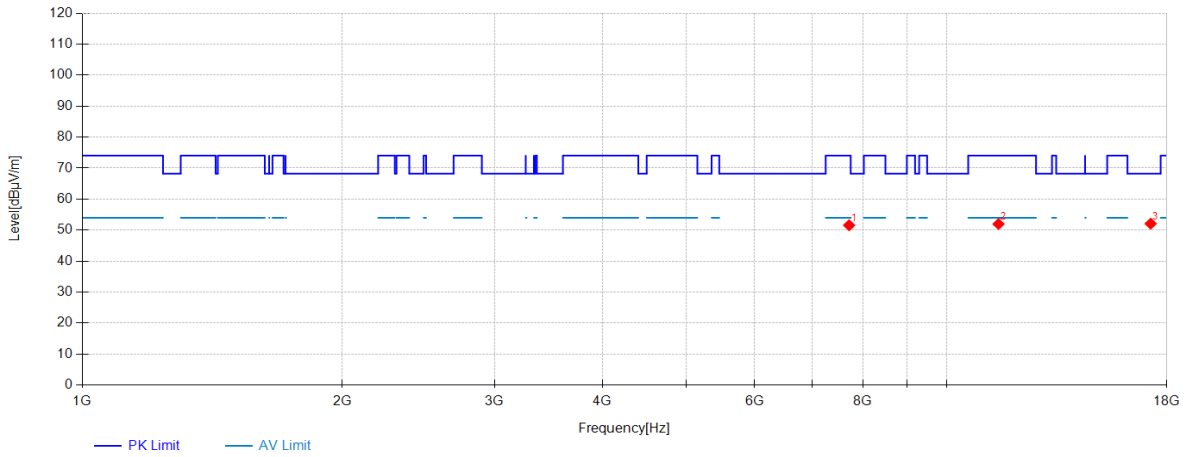

Data List								
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1	7717	53.45	36.66	-38.53	51.58	74.00	22.42	Horizontal
2	11490	50.54	40.21	-38.77	51.98	74.00	22.02	Horizontal
3	17235	48.29	42.78	-38.98	52.09	68.20	16.11	Horizontal

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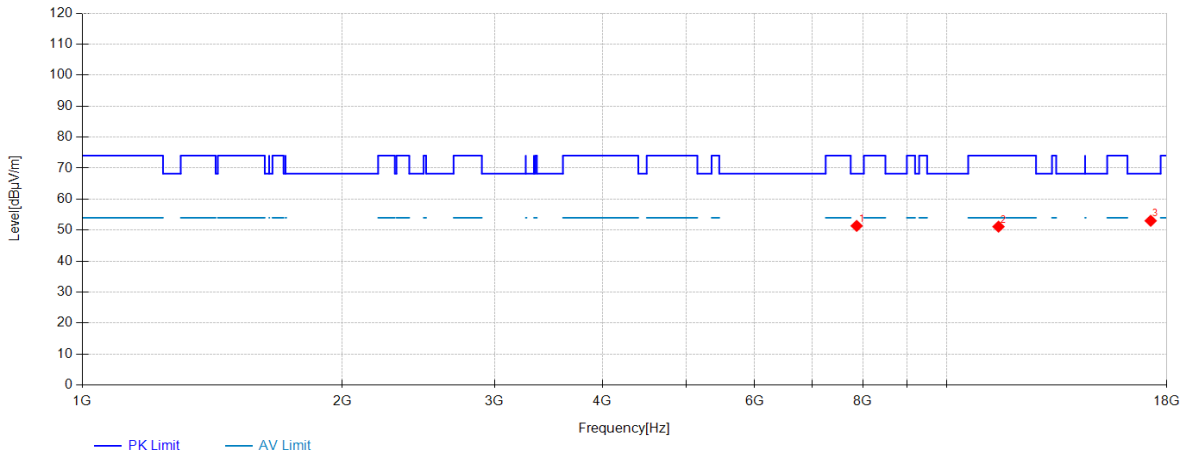

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7873.5	52.90	36.66	-38.19	51.37	68.20	16.83	Vertical
2	11490	49.69	40.21	-38.77	51.13	74.00	22.87	Vertical
3	17235	49.22	42.78	-38.98	53.02	68.20	15.18	Vertical

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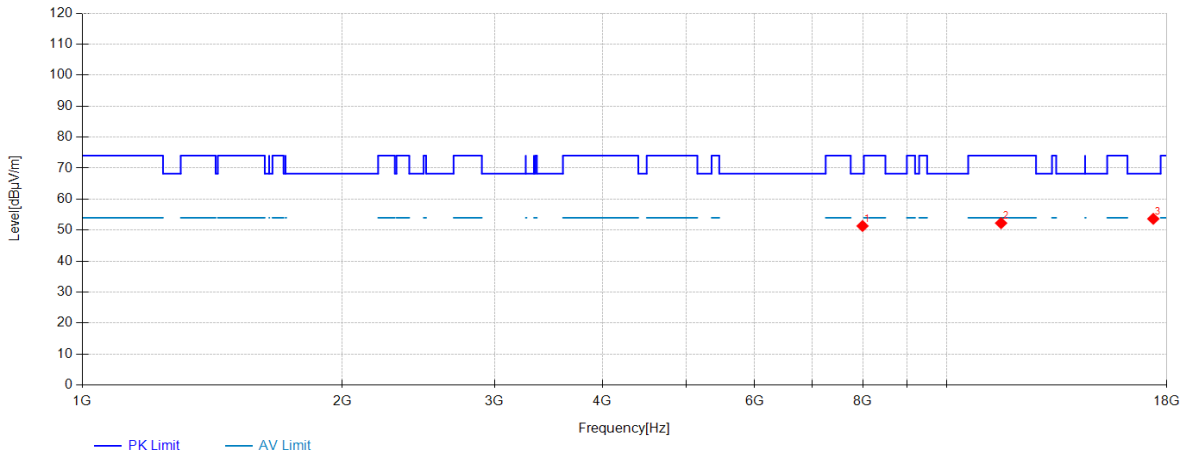

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7998	52.88	36.40	-37.94	51.34	68.20	16.86	Horizontal
2	11570	49.94	40.27	-37.95	52.26	74.00	21.74	Horizontal
3	17355	48.40	43.96	-38.71	53.65	68.20	14.55	Horizontal

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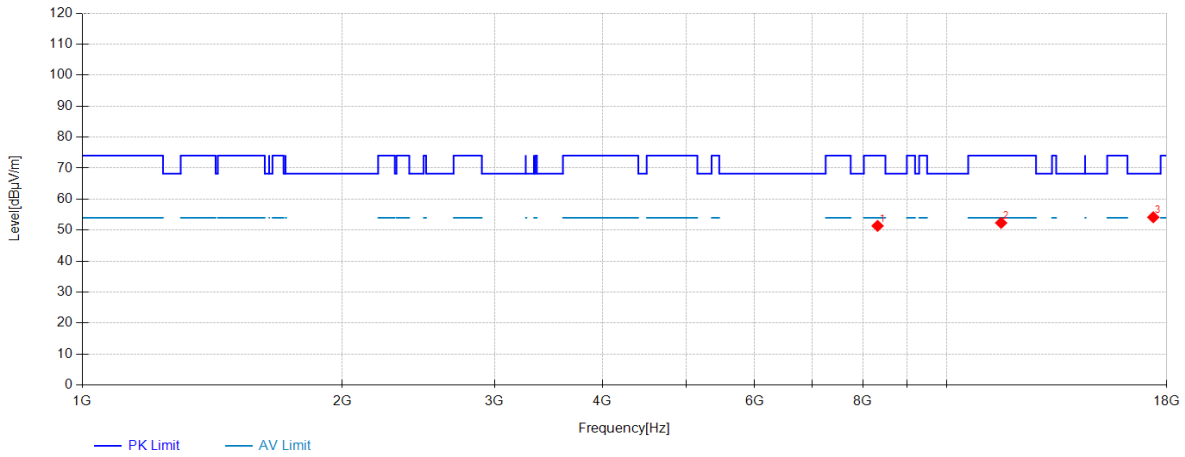

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	8325	52.76	36.35	-37.73	51.38	74.00	22.62	Vertical
2	11570	50.02	40.27	-37.95	52.34	74.00	21.66	Vertical
3	17355	48.90	43.96	-38.71	54.15	68.20	14.05	Vertical

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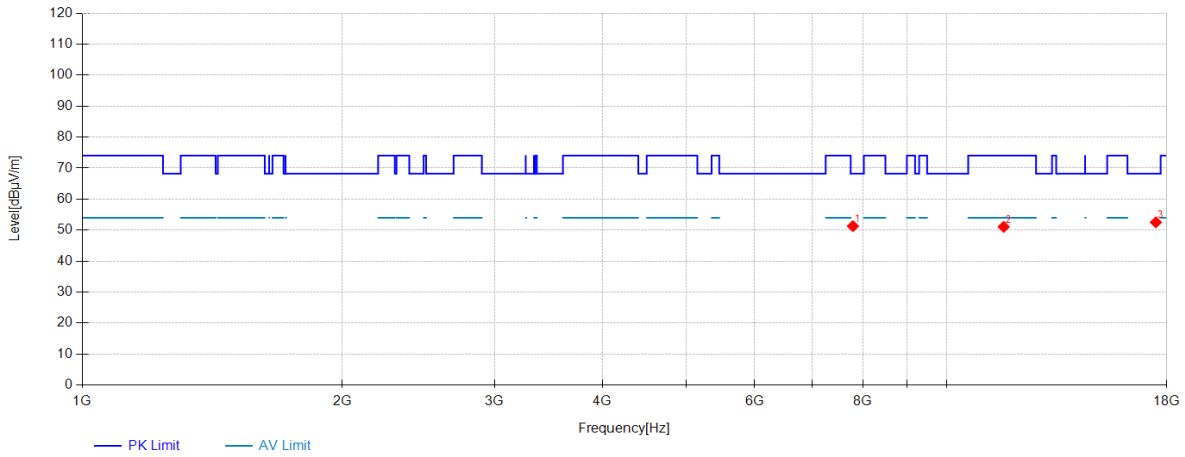

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7795.5	52.90	36.58	-38.20	51.28	68.20	16.92	Horizontal
2	11650	49.24	40.10	-38.28	51.06	74.00	22.94	Horizontal
3	17475	46.99	44.73	-39.19	52.53	68.20	15.67	Horizontal

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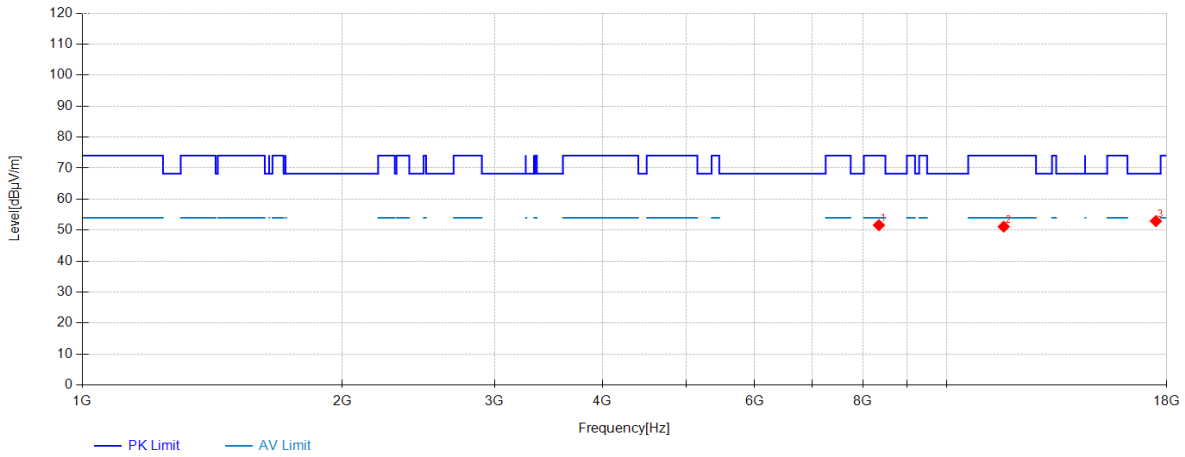

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1	8353	52.97	36.31	-37.67	51.61	74.00	22.39	Vertical
2	11650	49.30	40.10	-38.28	51.12	74.00	22.88	Vertical
3	17475	47.37	44.73	-39.19	52.91	68.20	15.29	Vertical

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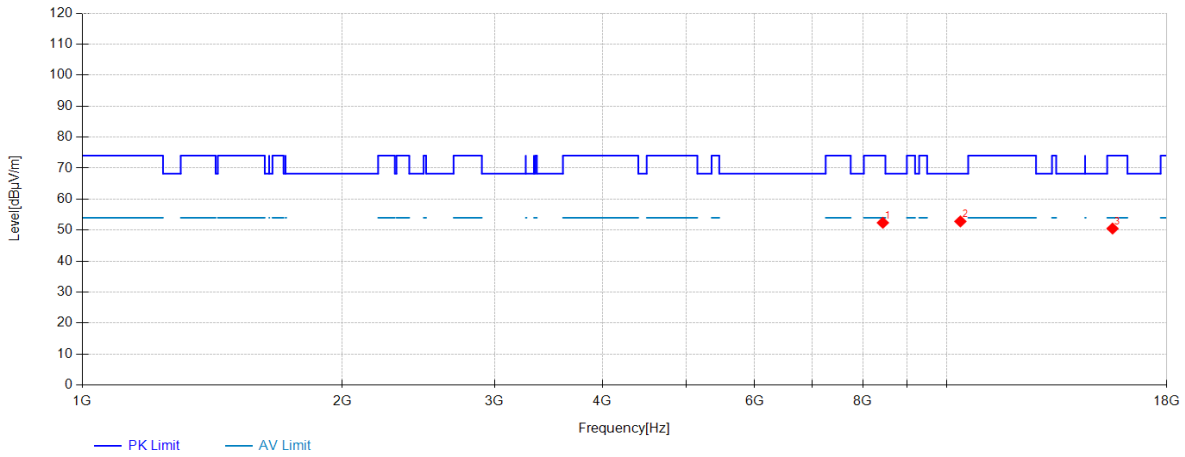

Data List								
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1	8443	53.41	36.41	-37.44	52.38	74.00	21.62	Horizontal
2	10380	49.71	39.18	-36.08	52.81	68.20	15.39	Horizontal
3	15570	47.43	38.62	-35.54	50.51	74.00	23.49	Horizontal

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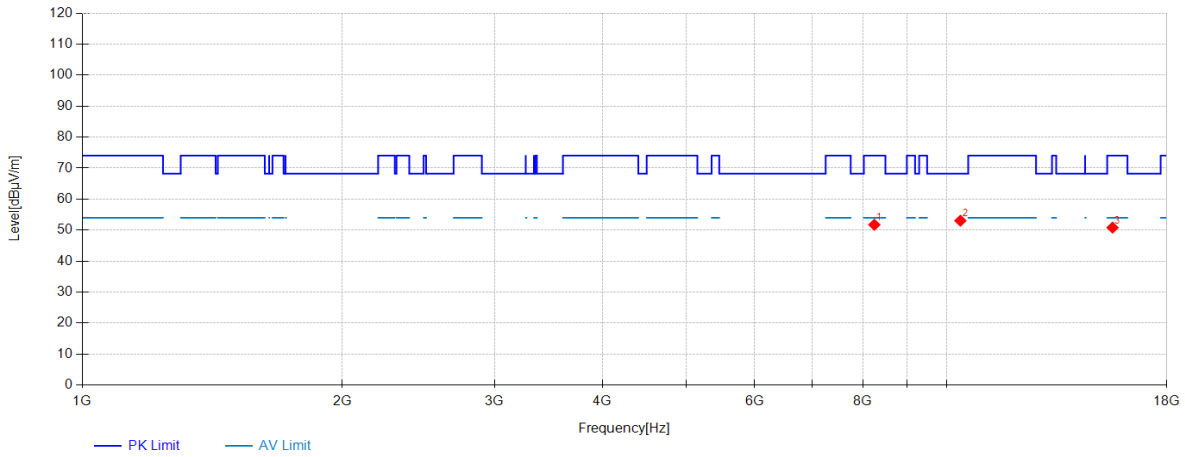

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1	8253.5	53.08	36.49	-37.83	51.74	74.00	22.26	Vertical
2	10380	49.94	39.18	-36.08	53.04	68.20	15.16	Vertical
3	15570	47.73	38.62	-35.54	50.81	74.00	23.19	Vertical

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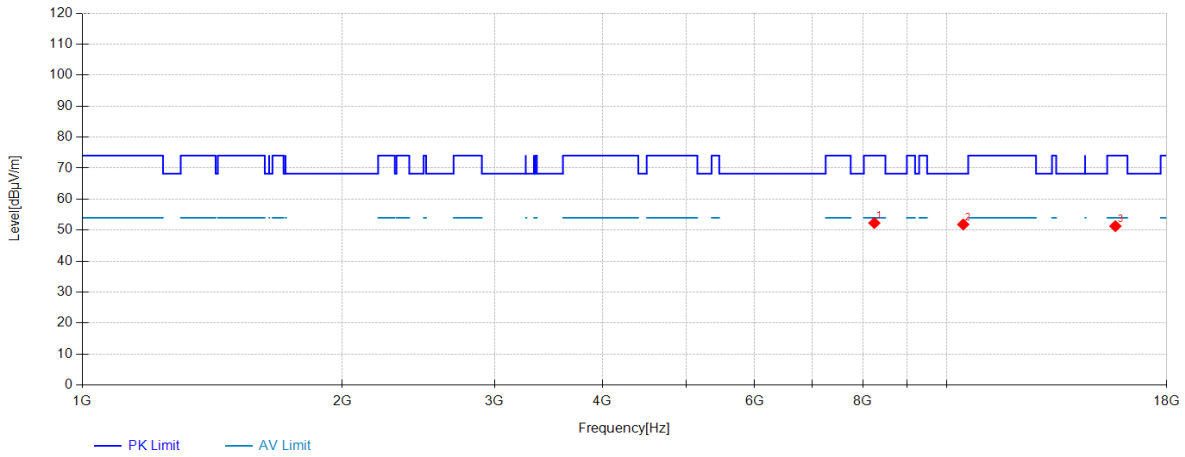

Data List								
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1	8253.5	53.64	36.49	-37.83	52.30	74.00	21.70	Horizontal
2	10460	48.87	39.02	-36.06	51.83	68.20	16.37	Horizontal
3	15690	46.20	38.50	-33.41	51.29	74.00	22.71	Horizontal

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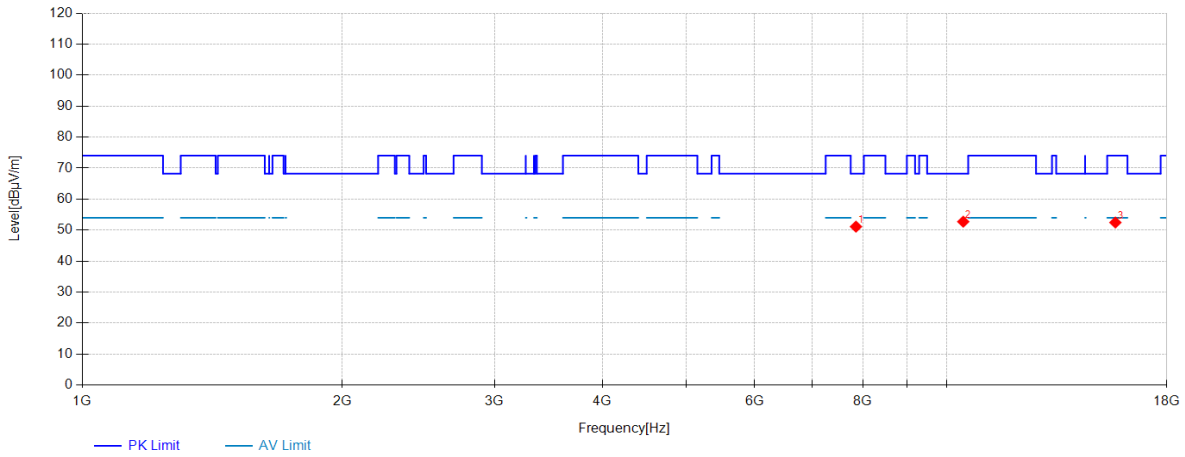

Data List								
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1	7859	52.57	36.75	-38.19	51.13	68.20	17.07	Vertical
2	10460	49.76	39.02	-36.06	52.72	68.20	15.48	Vertical
3	15690	47.37	38.50	-33.41	52.46	74.00	21.54	Vertical

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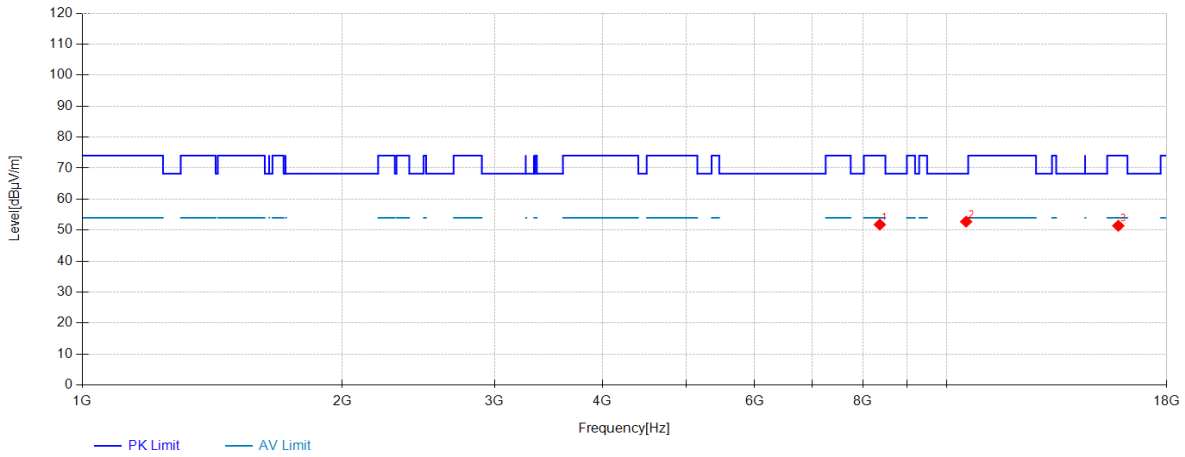

Data List								
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1	8374	53.02	36.40	-37.62	51.80	74.00	22.20	Horizontal
2	10540	49.88	39.06	-36.20	52.74	68.20	15.46	Horizontal
3	15810	47.36	38.06	-34.00	51.42	74.00	22.58	Horizontal

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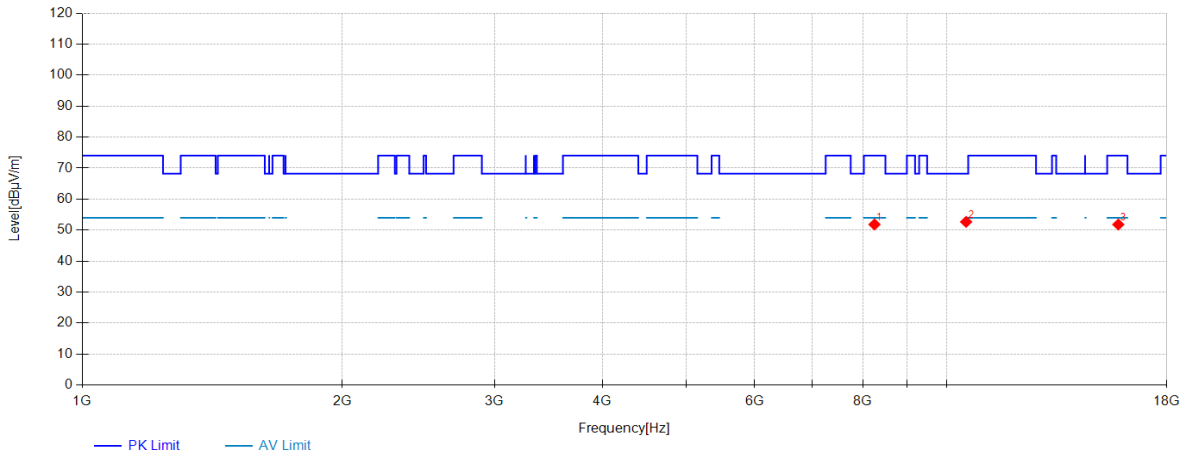

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	8256.5	53.16	36.49	-37.82	51.83	74.00	22.17	Vertical
2	10540	49.81	39.06	-36.20	52.67	68.20	15.53	Vertical
3	15810	47.75	38.06	-34.00	51.81	74.00	22.19	Vertical

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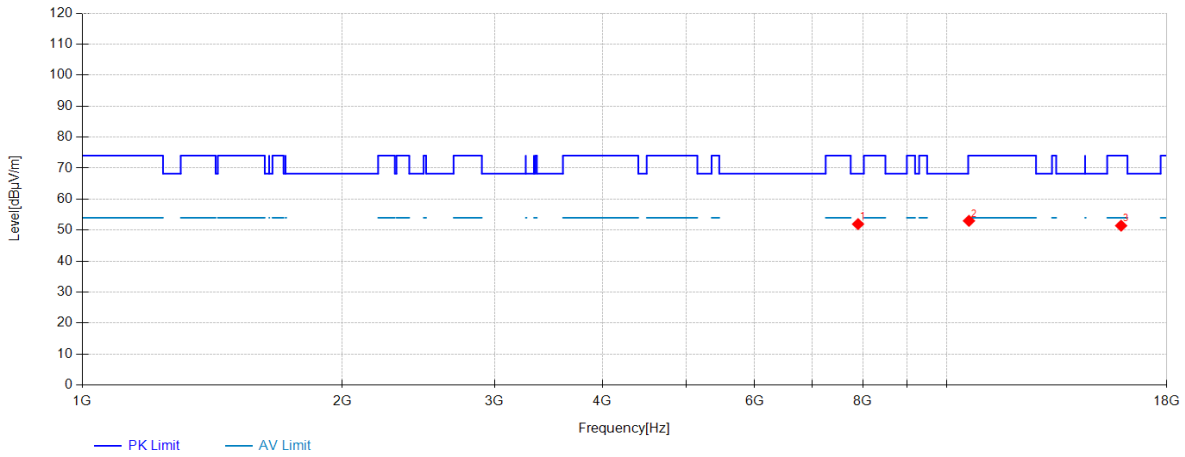

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7902.5	53.63	36.50	-38.18	51.95	68.20	16.25	Horizontal
2	10620	50.08	39.34	-36.42	53.00	74.00	21.00	Horizontal
3	15930	47.74	37.76	-34.07	51.43	74.00	22.57	Horizontal

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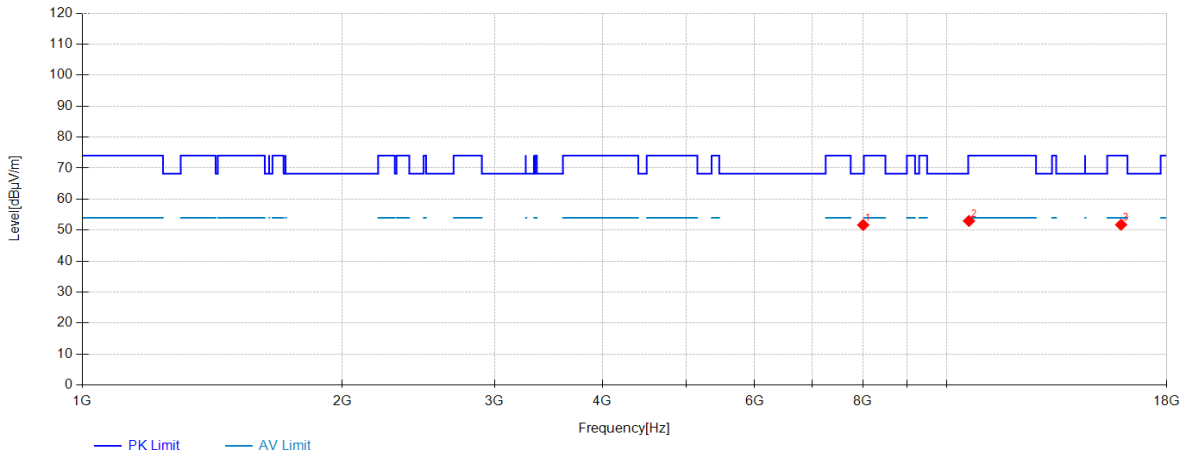

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	8011.5	53.17	36.42	-37.94	51.65	68.20	16.55	Vertical
2	10620	50.04	39.34	-36.42	52.96	74.00	21.04	Vertical
3	15930	48.06	37.76	-34.07	51.75	74.00	22.25	Vertical

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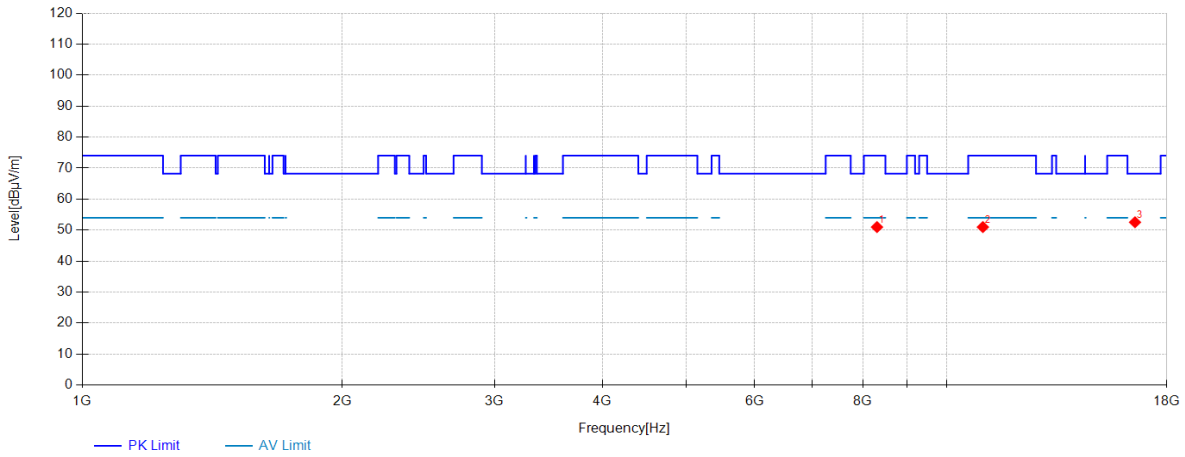

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	8312.5	52.37	36.38	-37.76	50.99	74.00	23.01	Horizontal
2	11020	49.08	40.12	-38.21	50.99	74.00	23.01	Horizontal
3	16530	49.97	39.36	-36.79	52.54	68.20	15.66	Horizontal

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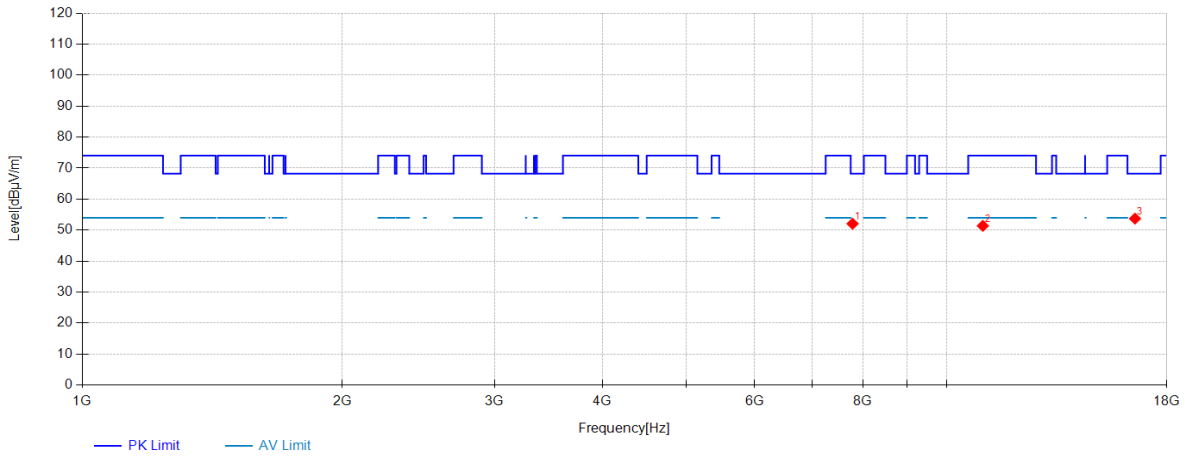

Data List								
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1	7788.5	53.75	36.55	-38.23	52.07	68.20	16.13	Vertical
2	11020	49.47	40.12	-38.21	51.38	74.00	22.62	Vertical
3	16530	51.15	39.36	-36.79	53.72	68.20	14.48	Vertical

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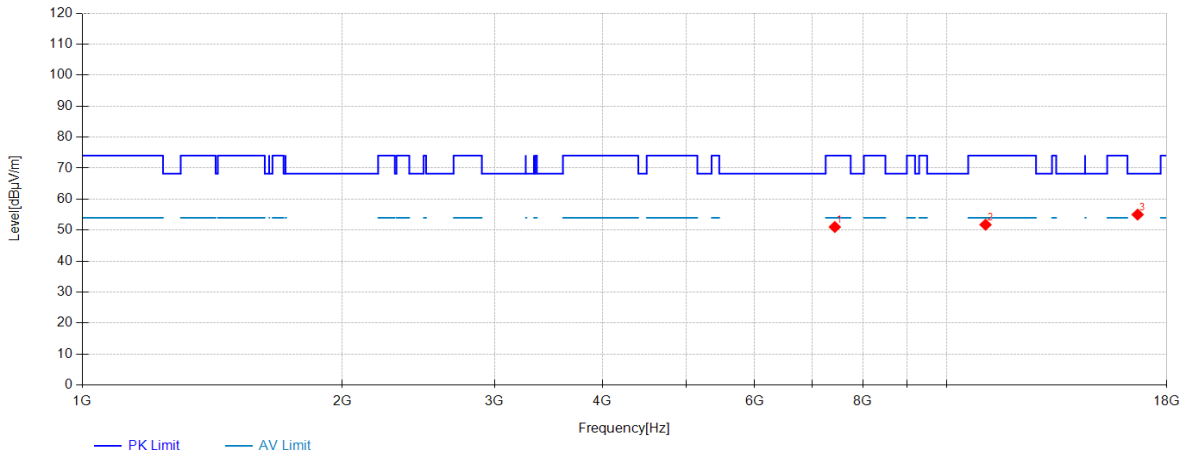

Data List								
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1	7428	53.15	36.76	-38.90	51.01	74.00	22.99	Horizontal
2	11100	49.95	40.20	-38.40	51.75	74.00	22.25	Horizontal
3	16648	51.96	39.45	-36.39	55.02	68.20	13.18	Horizontal

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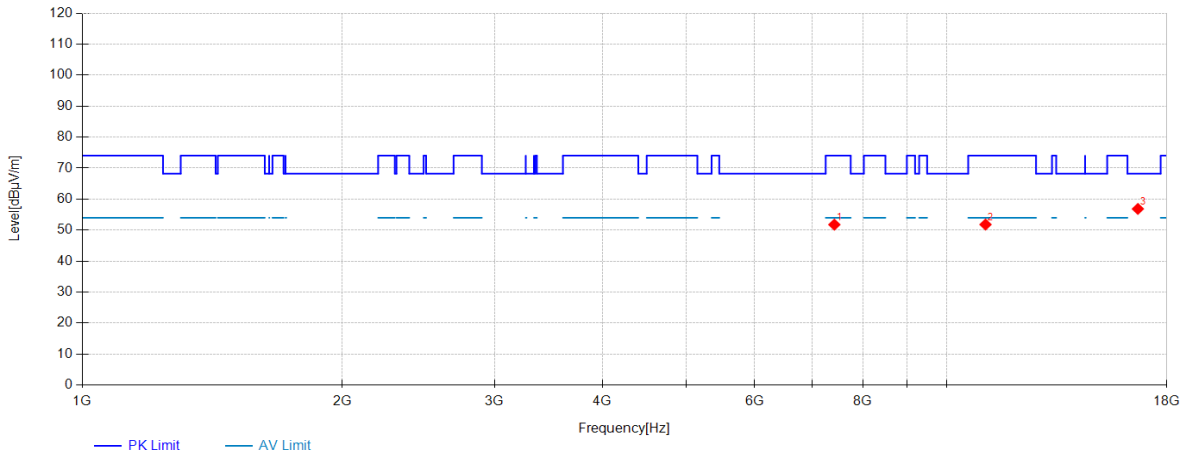

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7419	53.93	36.74	-38.90	51.77	74.00	22.23	Vertical
2	11100	50.01	40.20	-38.40	51.81	74.00	22.19	Vertical
3	16658	53.79	39.44	-36.38	56.85	68.20	11.35	Vertical

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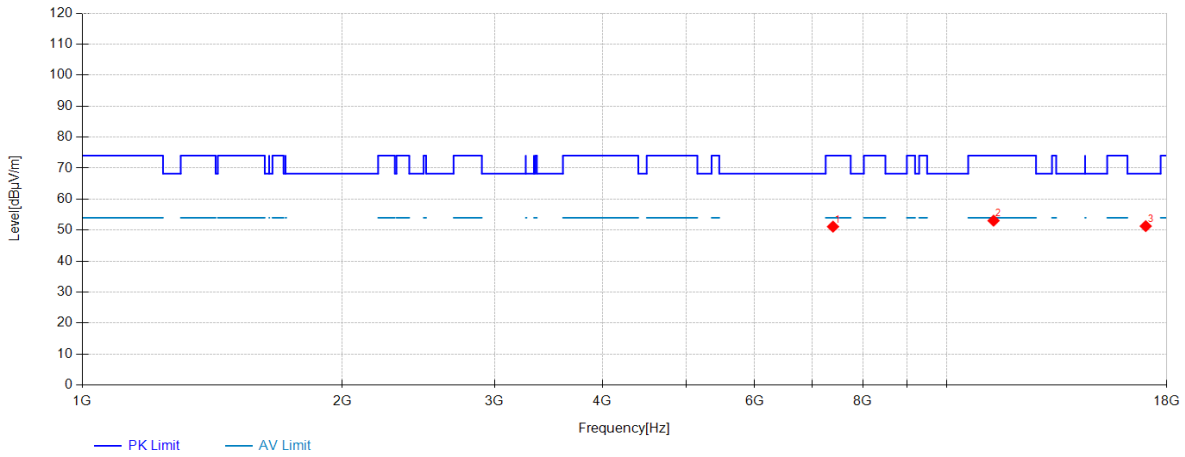
802.11n40_Channel 134



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7392.5	53.40	36.67	-38.95	51.12	74.00	22.88	Horizontal
2	11340	51.21	40.18	-38.33	53.06	74.00	20.94	Horizontal
3	17010	47.08	41.38	-37.17	51.29	68.20	16.91	Horizontal

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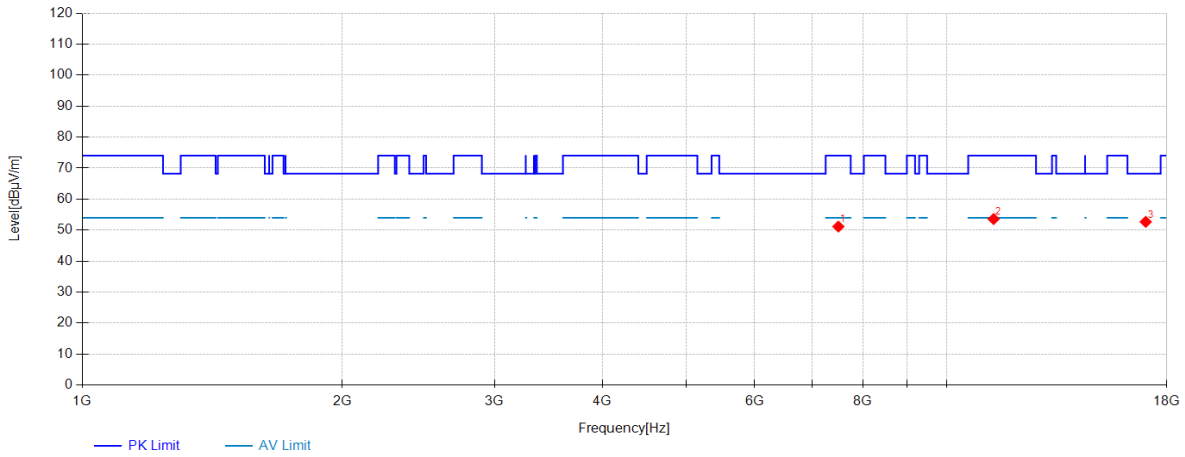
802.11n40_Channel 134



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7499	53.09	36.90	-38.84	51.15	74.00	22.85	Vertical
2	11340	51.73	40.18	-38.33	53.58	74.00	20.42	Vertical
3	17010	48.46	41.38	-37.17	52.67	68.20	15.53	Vertical

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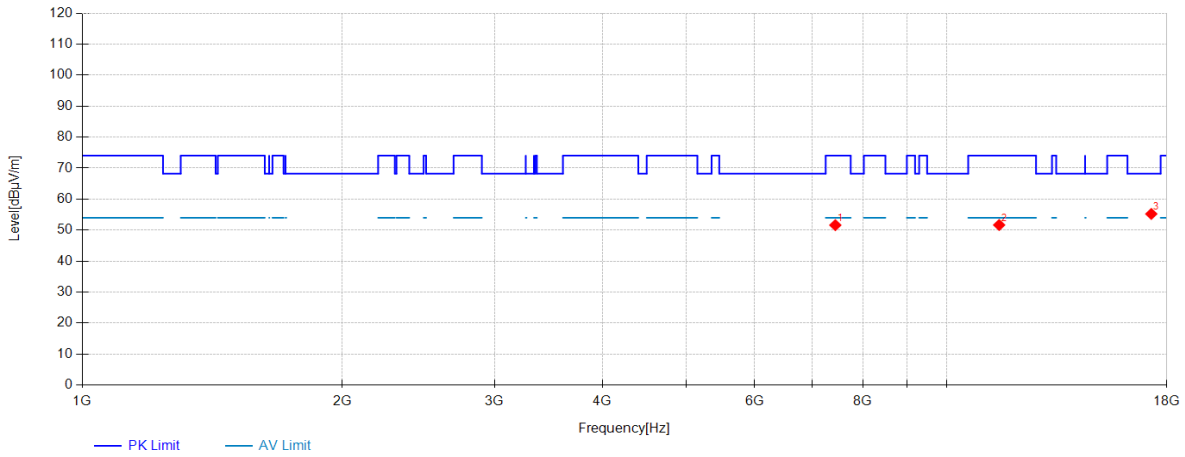
802.11n40_Channel 151



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7438.5	53.71	36.78	-38.89	51.60	74.00	22.40	Horizontal
2	11510	50.14	40.21	-38.70	51.65	74.00	22.35	Horizontal
3	17265	51.04	43.02	-38.83	55.23	68.20	12.97	Horizontal

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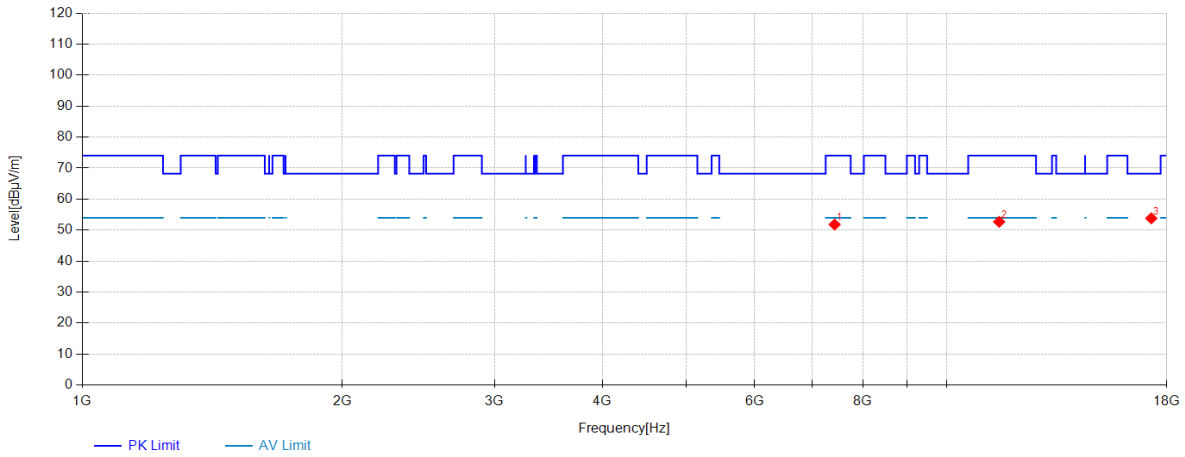
802.11n40_Channel 151



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7424.5	53.96	36.75	-38.90	51.81	74.00	22.19	Vertical
2	11510	51.16	40.21	-38.70	52.67	74.00	21.33	Vertical
3	17265	49.61	43.02	-38.83	53.80	68.20	14.40	Vertical

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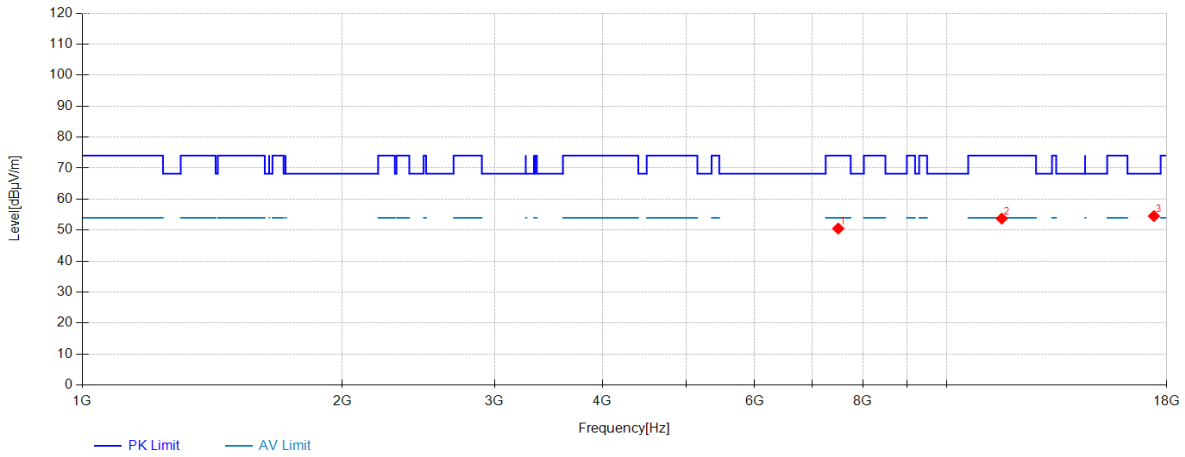

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7496	52.45	36.89	-38.84	50.50	74.00	23.50	Horizontal
2	11590	51.13	40.29	-37.70	53.72	74.00	20.28	Horizontal
3	17385	48.96	44.32	-38.74	54.54	68.20	13.66	Horizontal

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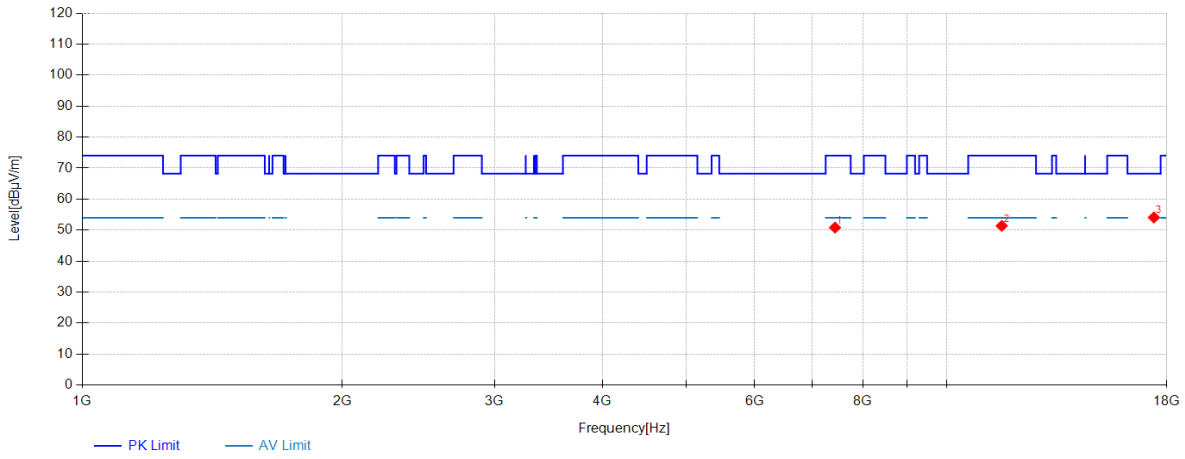

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	7432	52.95	36.76	-38.89	50.82	74.00	23.18	Vertical
2	11590	48.79	40.29	-37.70	51.38	74.00	22.62	Vertical
3	17385	48.51	44.32	-38.74	54.09	68.20	14.11	Vertical

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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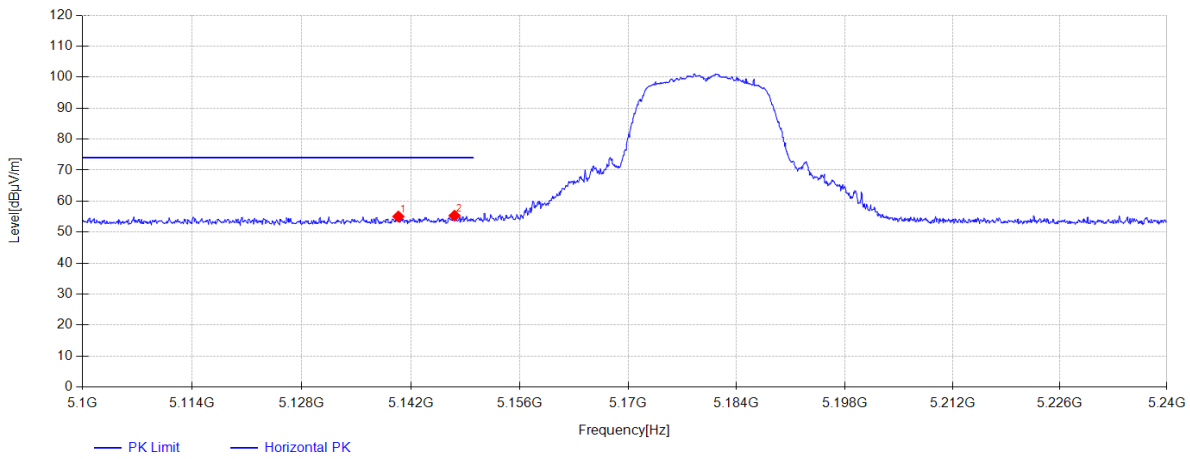
Restricted bands around fundamental frequency

802.11a_Channel 36



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5140.4102	37.23	31.74	-13.93	55.04	74.00	18.96	Horizontal
2	5147.6238	37.33	31.79	-13.82	55.30	74.00	18.70	Horizontal

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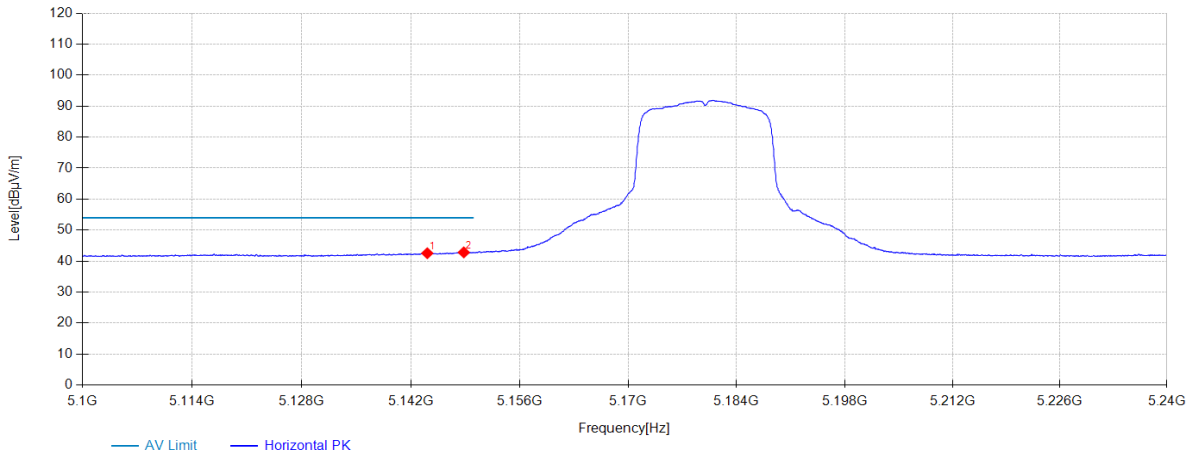
802.11a_Channel 36



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5144.1221	24.65	31.76	-13.87	42.54	54.00	11.46	Horizontal
2	5148.8144	24.83	31.79	-13.80	42.82	54.00	11.18	Horizontal

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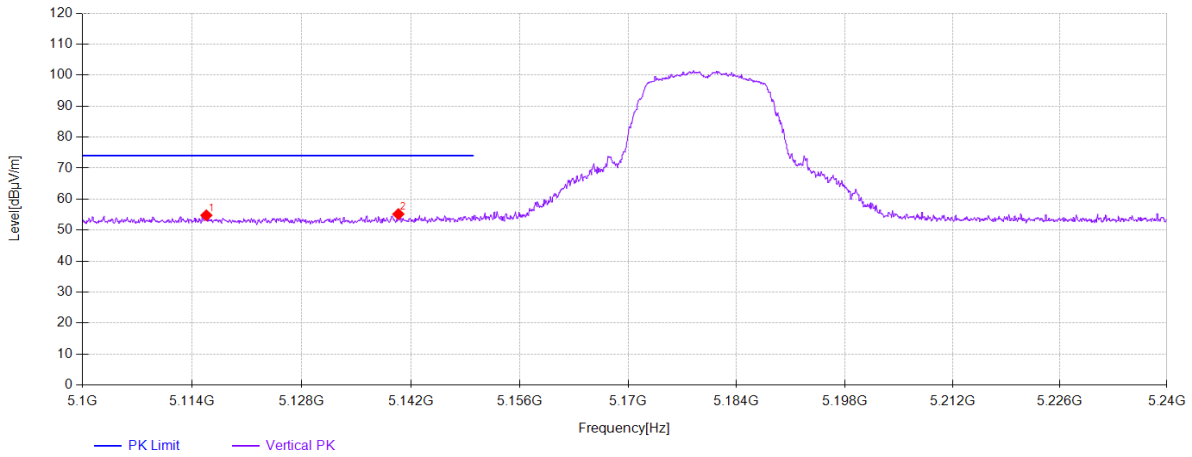

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5115.8279	37.05	31.59	-13.85	54.79	74.00	19.21	Vertical
2	5140.4102	37.37	31.74	-13.93	55.18	74.00	18.82	Vertical

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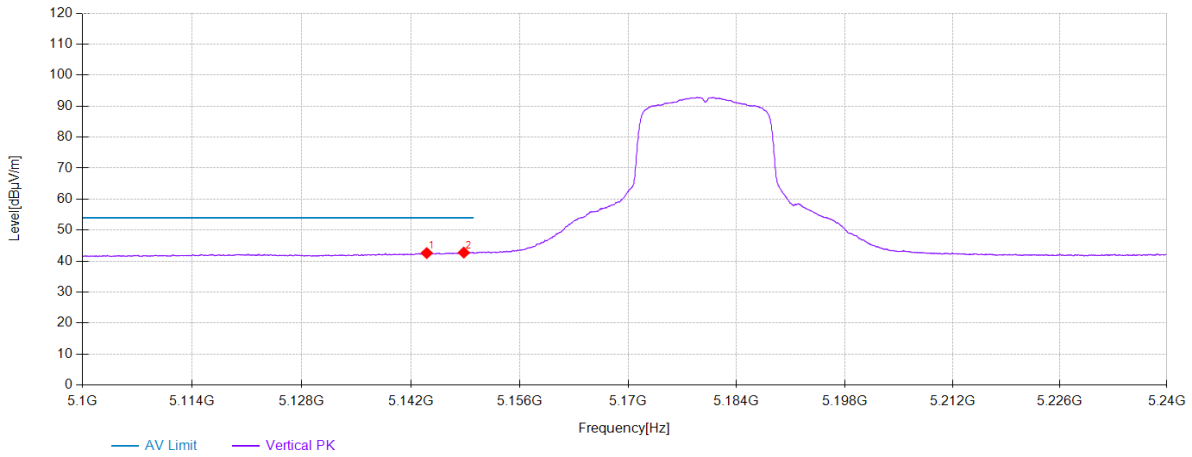
802.11a_Channel 36



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5144.052	24.71	31.76	-13.88	42.59	54.00	11.41	Vertical
2	5148.8144	24.77	31.79	-13.80	42.76	54.00	11.24	Vertical

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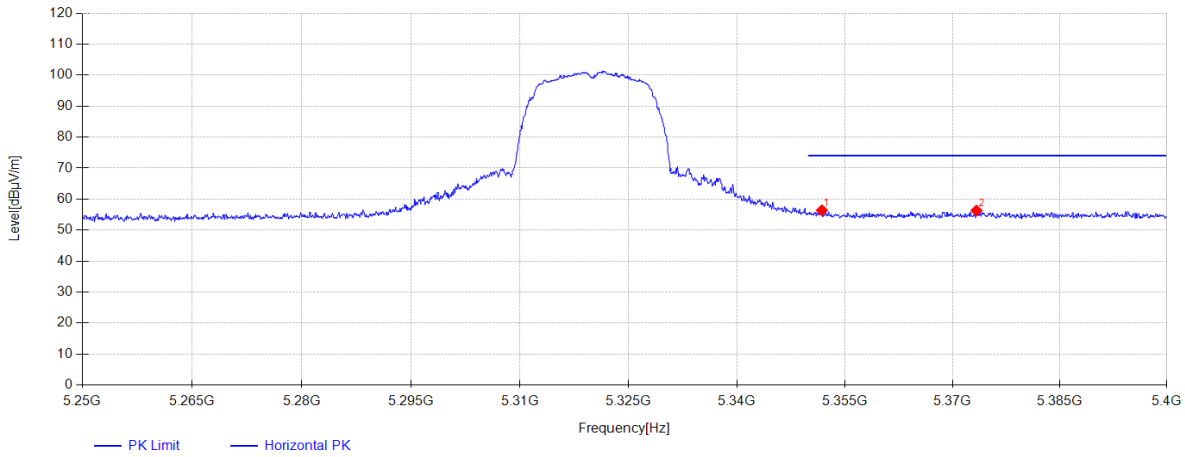

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2	5373.3617	37.03	32.34	-13.06	56.31	74.00	17.69	Horizontal

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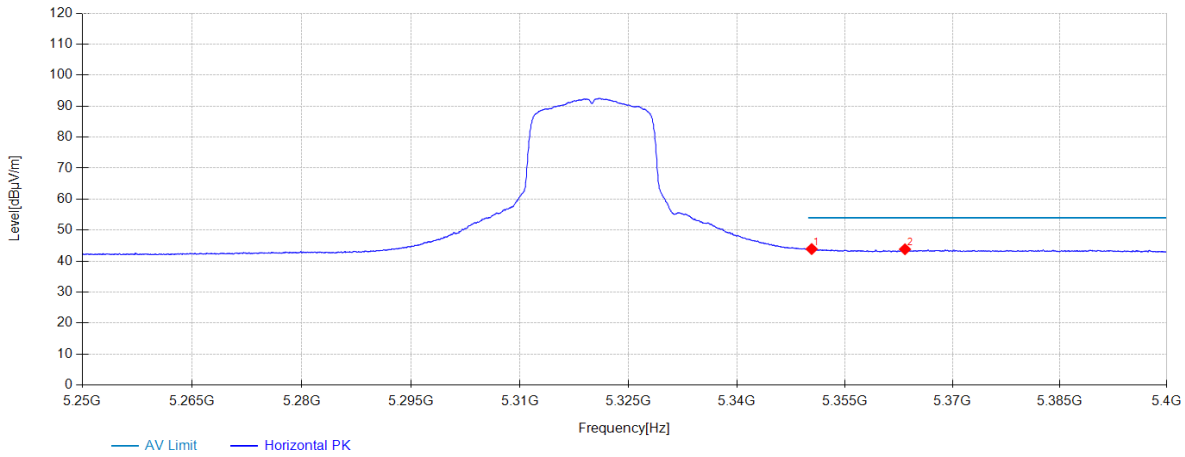

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2	5363.3817	24.68	32.28	-13.13	43.83	54.00	10.17	Horizontal

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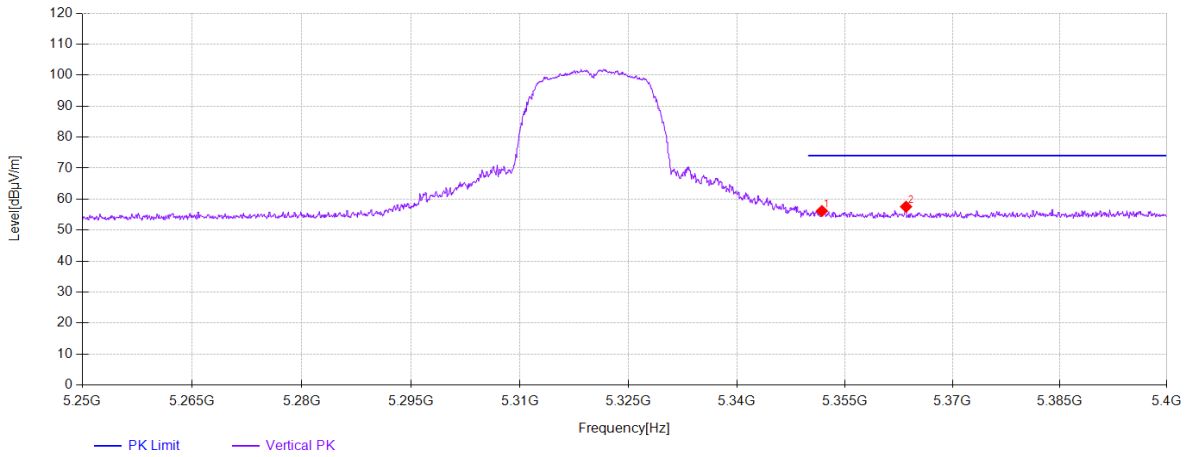

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1	5351.8259	36.97	32.21	-13.01	56.17	74.00	17.83	Vertical
2	5363.5318	38.41	32.28	-13.13	57.56	74.00	16.44	Vertical

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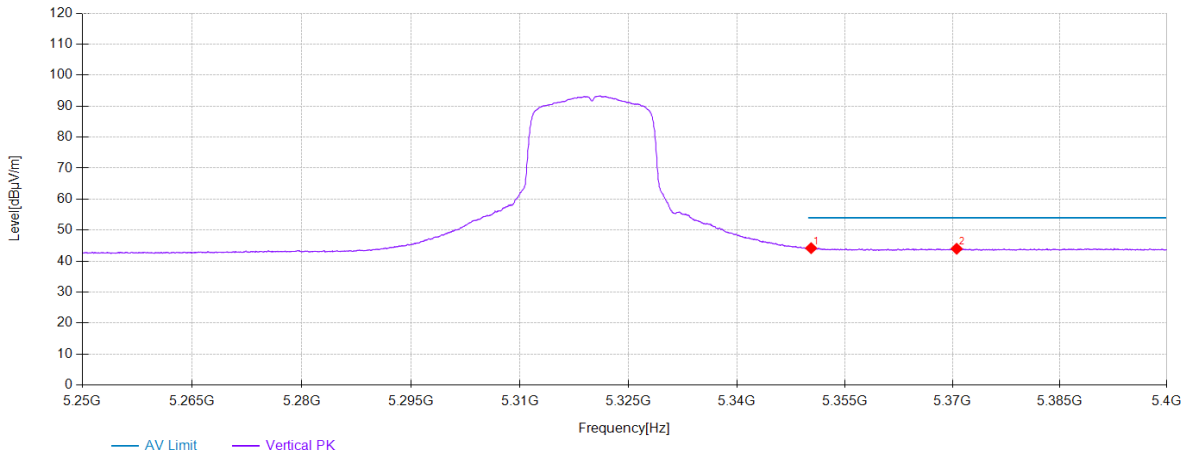

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1	5350.3252	24.97	32.20	-12.98	44.19	54.00	9.81	Vertical
2	5370.5853	24.71	32.32	-13.04	43.99	54.00	10.01	Vertical

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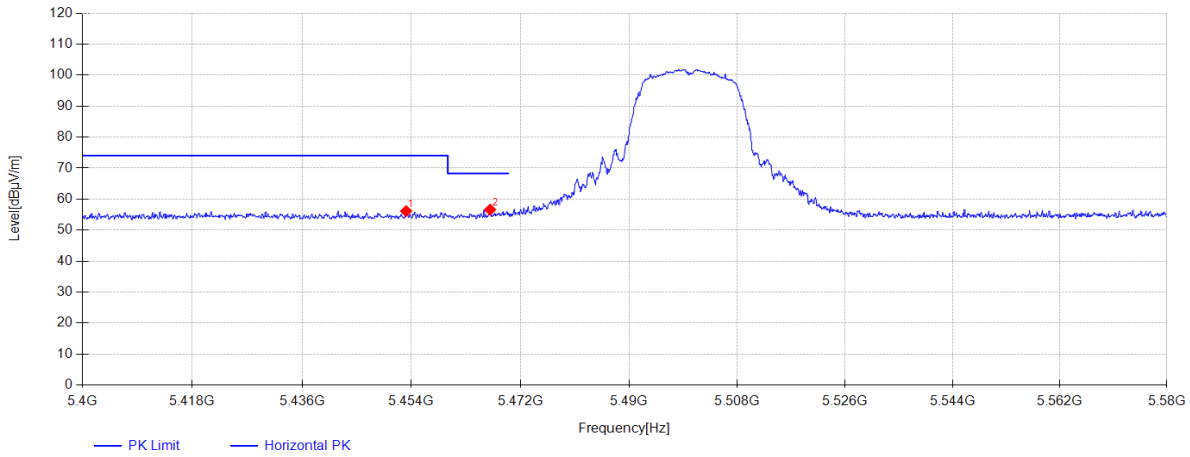

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1	5453.1266	37.03	32.21	-13.09	56.15	74.00	17.85	Horizontal
2	5466.9935	37.37	32.27	-13.03	56.61	68.30	11.69	Horizontal

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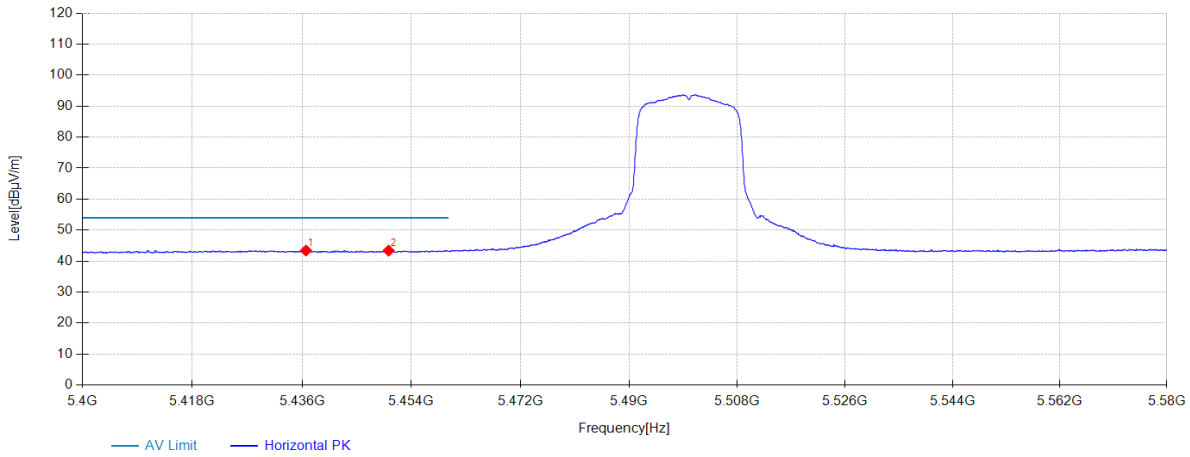

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1	5436.6483	24.23	32.28	-13.08	43.43	54.00	10.57	Horizontal
2	5450.2451	24.29	32.20	-13.09	43.40	54.00	10.60	Horizontal

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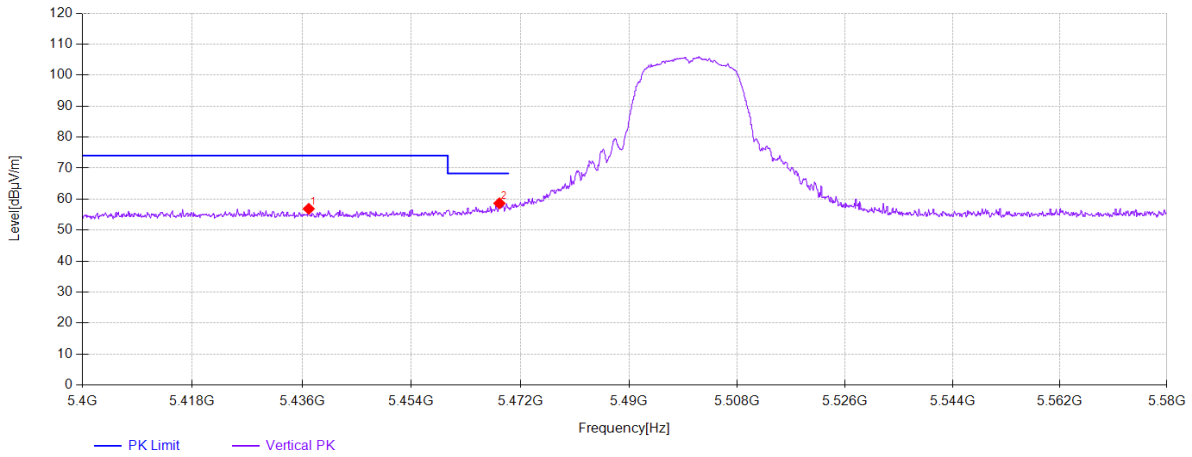

Data List								
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1	5437.0985	37.68	32.28	-13.09	56.87	74.00	17.13	Vertical
2	5468.5243	39.38	32.27	-13.01	58.64	68.30	9.66	Vertical

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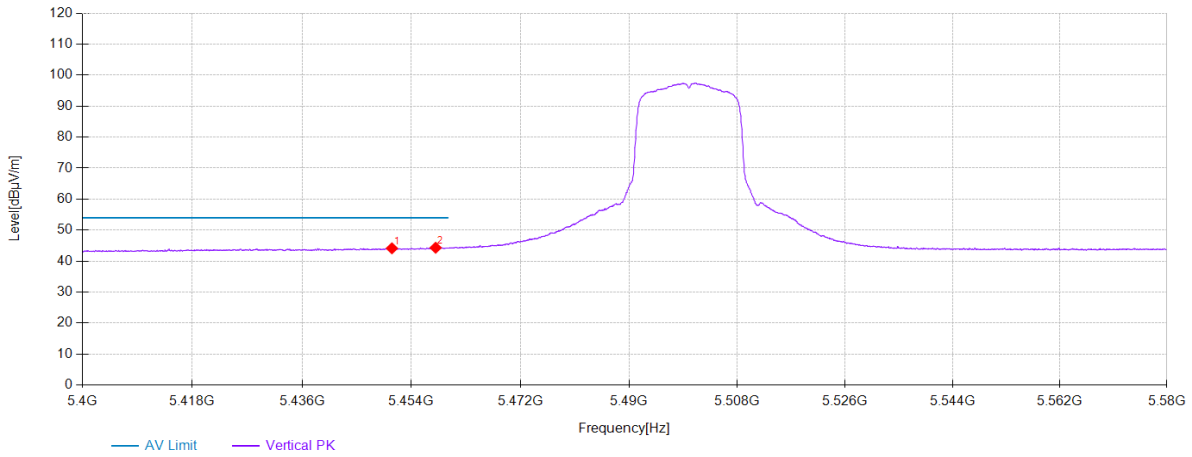

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1	5450.7854	25.02	32.20	-13.09	44.13	54.00	9.87	Vertical
2	5457.989	25.18	32.23	-13.09	44.32	54.00	9.68	Vertical

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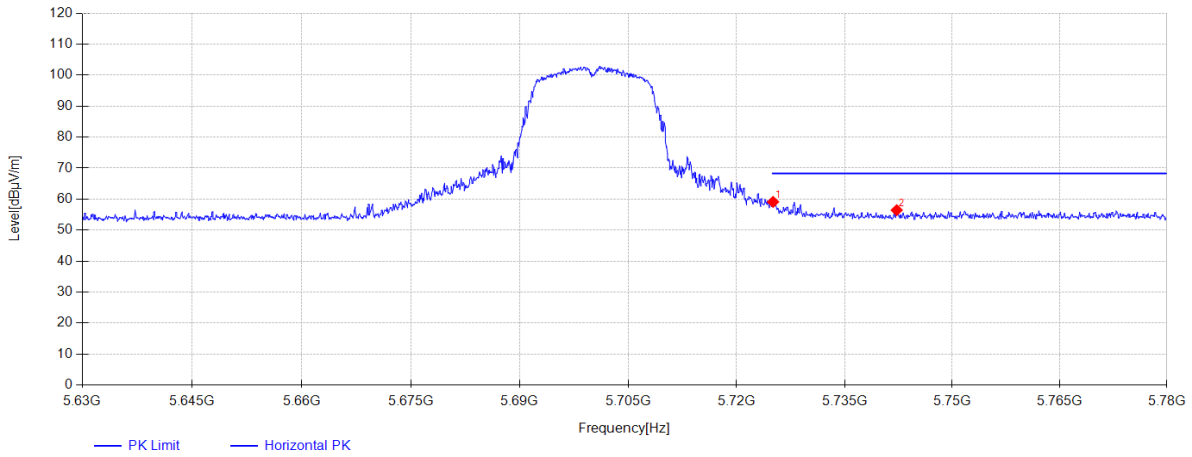

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1	5725.0725	39.75	32.50	-13.14	59.11	68.30	9.19	Horizontal
2	5742.2561	37.17	32.50	-13.22	56.45	68.30	11.85	Horizontal

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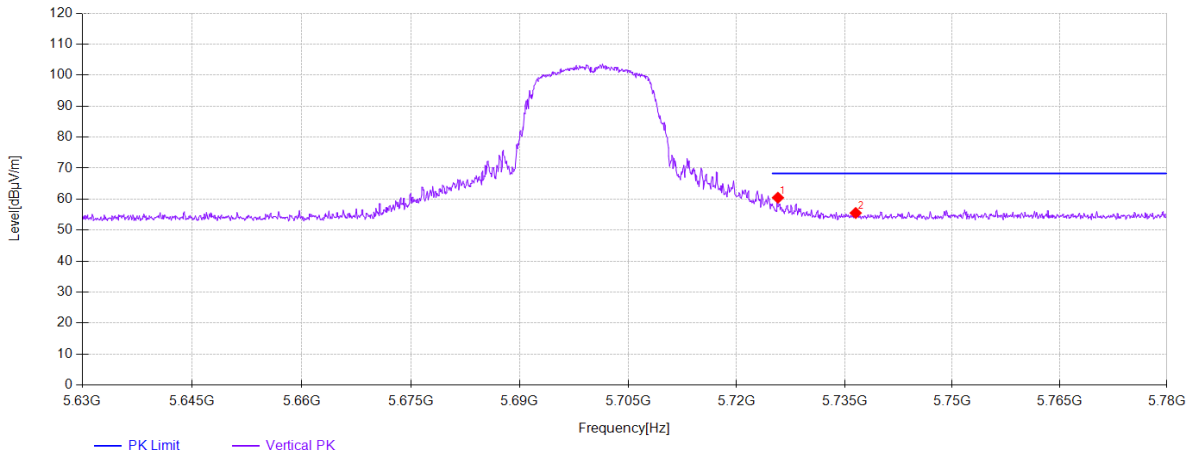

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1	5725.7479	41.10	32.50	-13.14	60.46	68.30	7.84	Vertical
2	5736.5533	36.21	32.50	-13.19	55.52	68.30	12.78	Vertical

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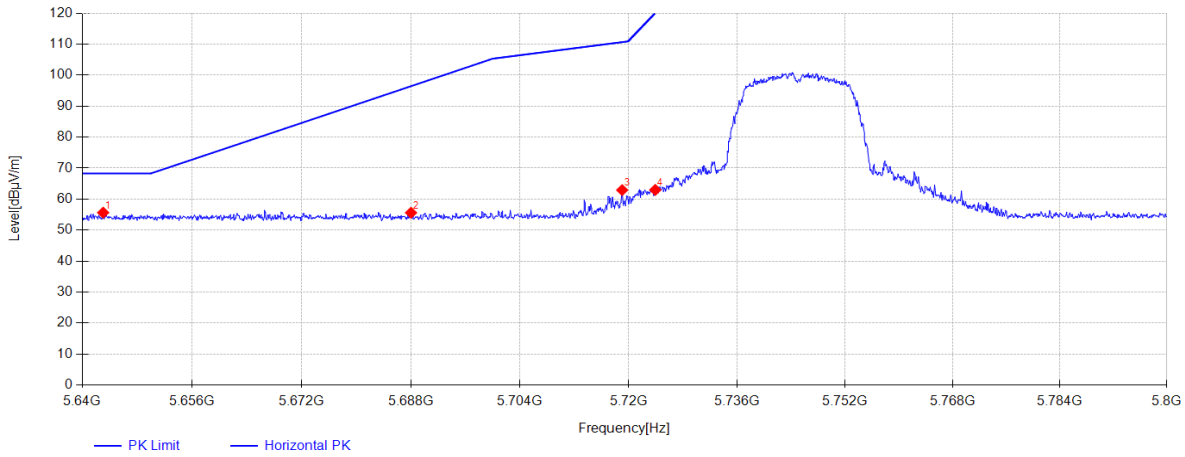

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5643.0415	36.29	32.51	-13.15	55.65	68.30	12.65	Horizontal
2	5688.024	36.29	32.50	-13.18	55.61	96.44	40.83	Horizontal
3	5719.0795	43.58	32.50	-13.16	62.92	110.64	47.72	Horizontal
4	5723.962	43.62	32.50	-13.14	62.98	119.93	56.95	Horizontal

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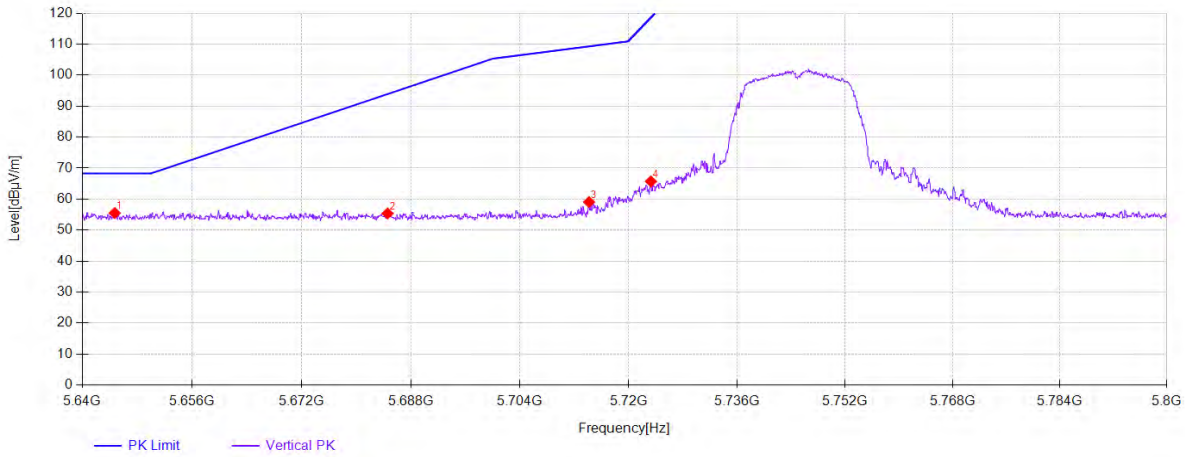
802.11a_Channel 149



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5644.7224	36.13	32.51	-13.13	55.51	68.30	12.79	Vertical
2	5684.5823	36.01	32.50	-13.13	55.38	93.89	38.51	Vertical
3	5714.1971	39.71	32.50	-13.16	59.05	109.28	50.23	Vertical
4	5723.3217	46.36	32.50	-13.15	65.71	118.47	52.76	Vertical

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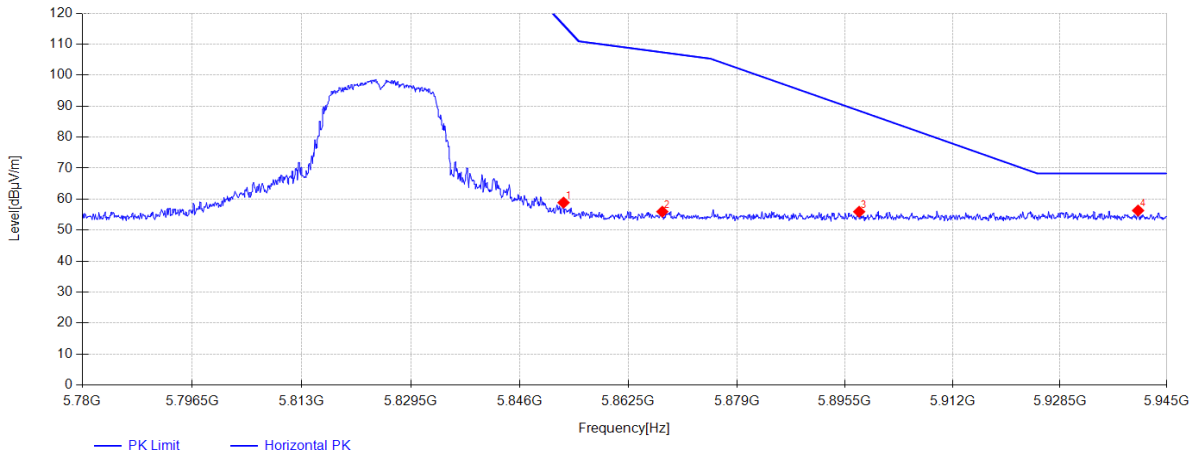

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5852.6363	39.09	32.61	-12.82	58.88	116.29	57.41	Horizontal
2	5867.6588	36.25	32.67	-12.97	55.95	107.36	51.41	Horizontal
3	5897.7039	36.00	32.79	-12.86	55.93	88.50	32.57	Horizontal
4	5940.5428	36.24	32.88	-12.80	56.32	68.30	11.98	Horizontal

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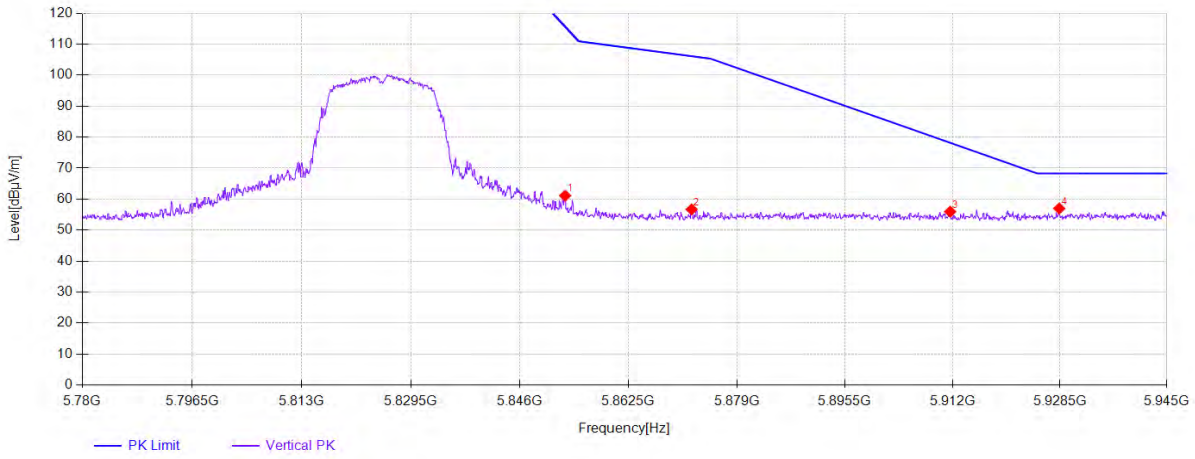

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5852.8839	41.33	32.61	-12.83	61.11	115.72	54.61	Vertical
2	5872.1161	36.97	32.69	-12.97	56.69	106.11	49.42	Vertical
3	5911.6533	36.12	32.82	-13.01	55.93	78.18	22.25	Vertical
4	5928.4092	36.87	32.86	-12.74	56.99	68.30	11.31	Vertical

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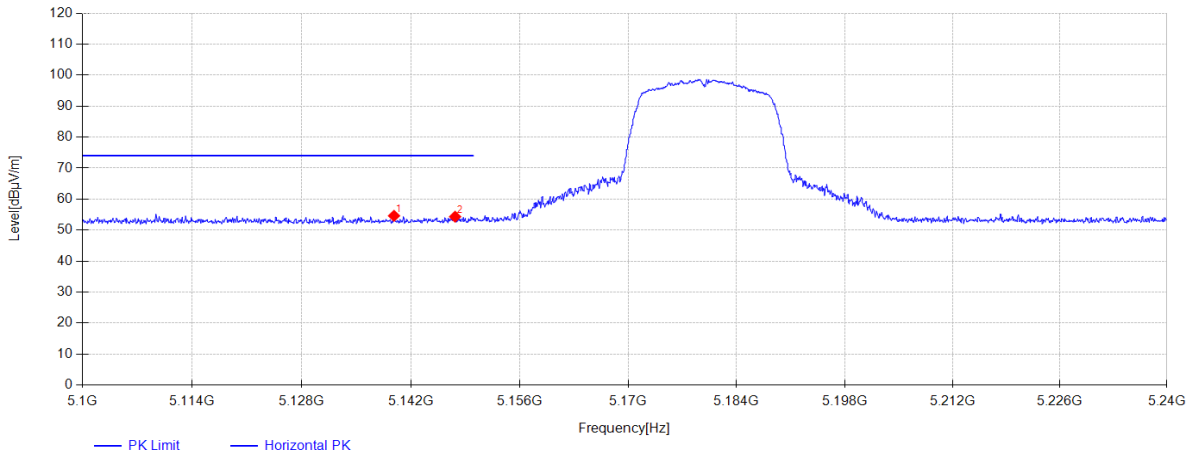

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5139.8499	36.82	31.74	-13.94	54.62	74.00	19.38	Horizontal
2	5147.6938	36.36	31.79	-13.82	54.33	74.00	19.67	Horizontal

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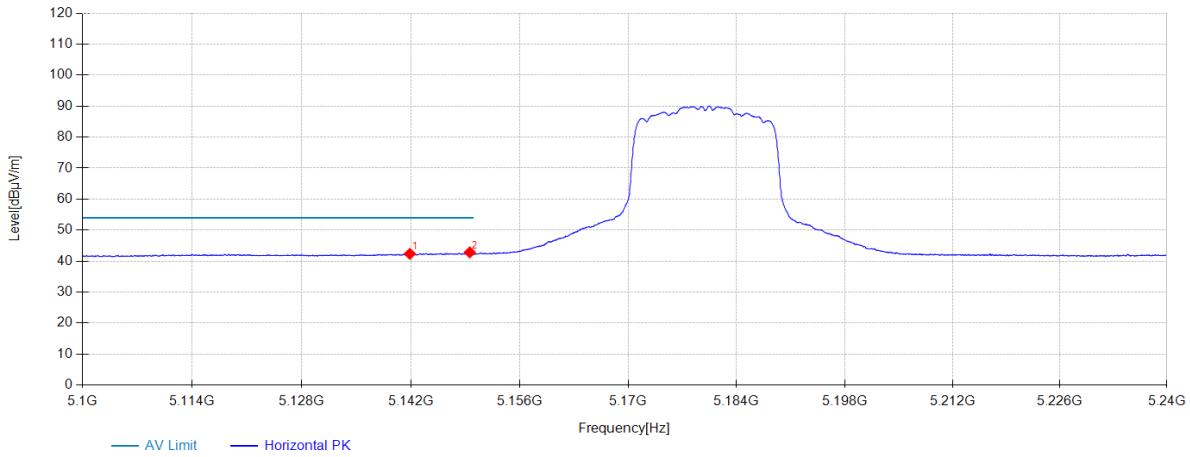

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1	5141.8809	24.52	31.75	-13.91	42.36	54.00	11.64	Horizontal
2	5149.5848	24.82	31.80	-13.79	42.83	54.00	11.17	Horizontal

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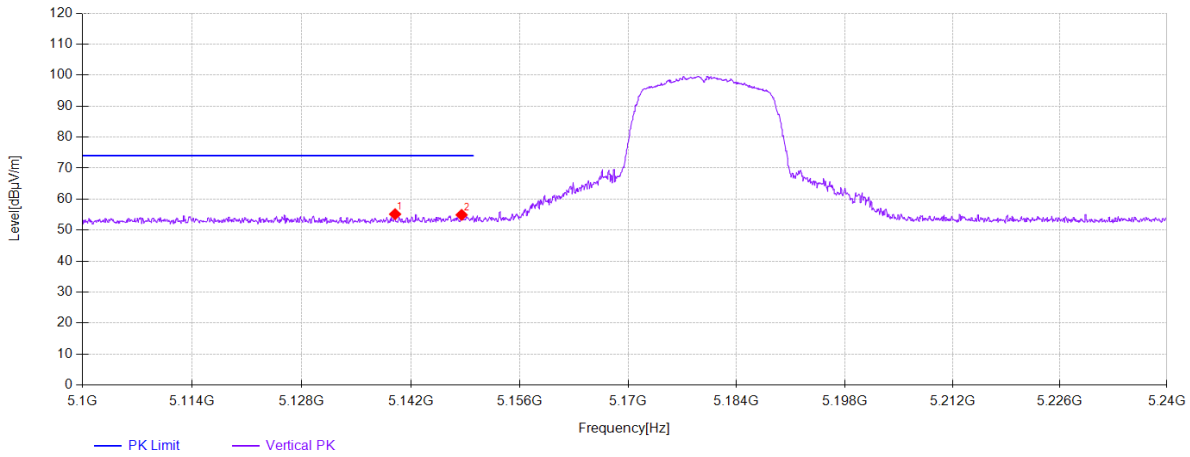

Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5139.99	37.36	31.74	-13.94	55.16	74.00	18.84	Vertical
2	5148.5343	36.93	31.79	-13.80	54.92	74.00	19.08	Vertical

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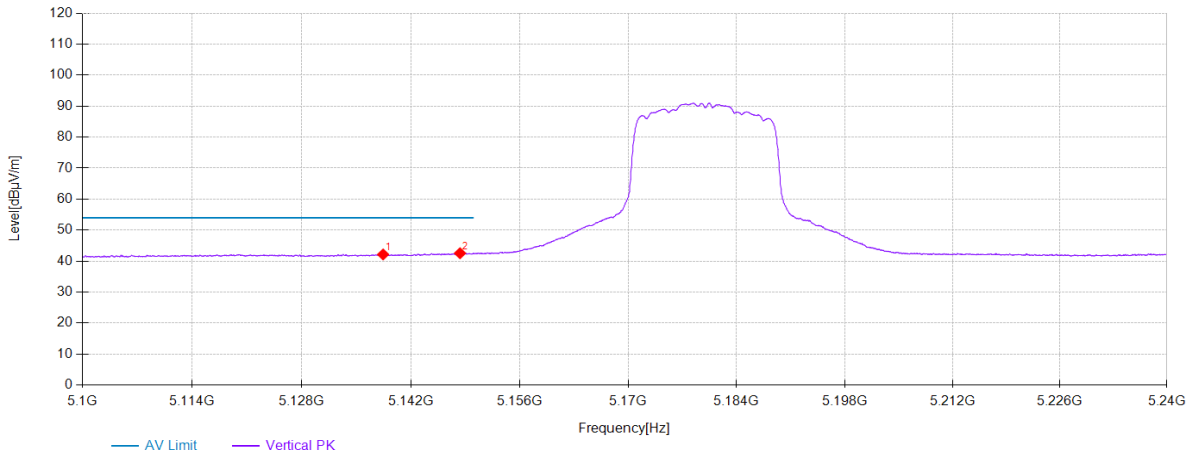

Data List								
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1	5138.4492	24.40	31.73	-13.98	42.15	54.00	11.85	Vertical
2	5148.3242	24.57	31.79	-13.81	42.55	54.00	11.45	Vertical

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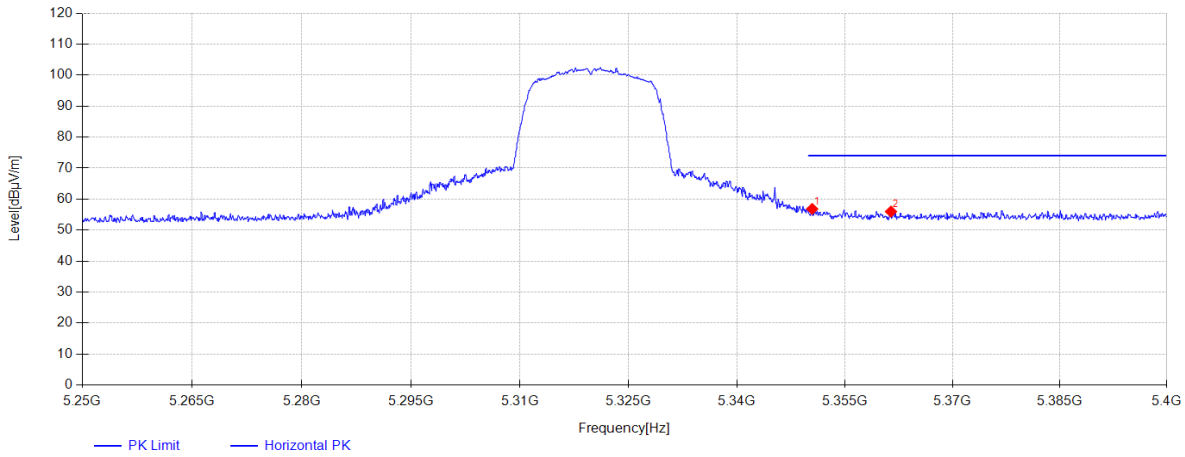

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5350.4752	37.62	32.20	-12.98	56.84	74.00	17.16	Horizontal
2	5361.4307	36.87	32.27	-13.16	55.98	74.00	18.02	Horizontal

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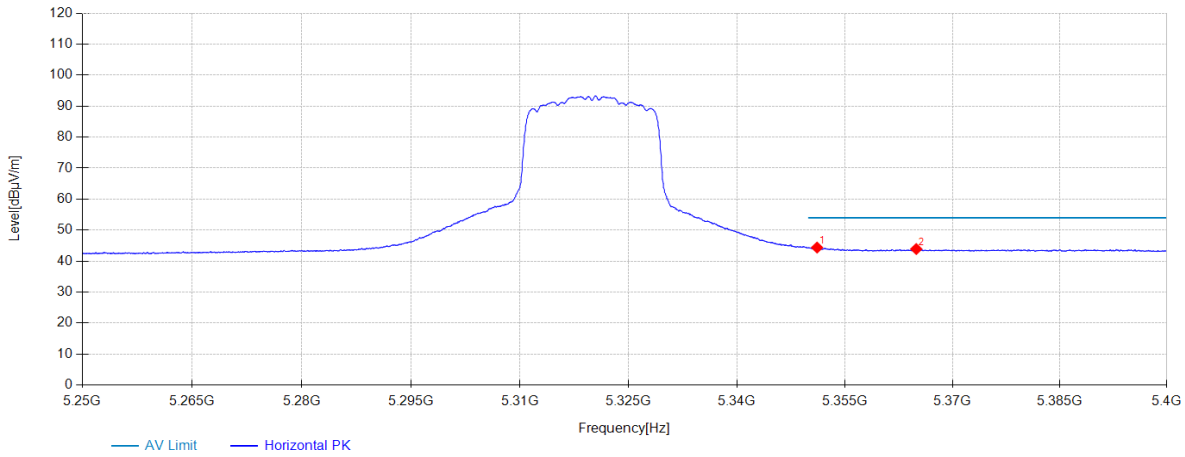

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1	5351.1506	25.16	32.21	-12.99	44.38	54.00	9.62	Horizontal
2	5364.9575	24.73	32.29	-13.11	43.91	54.00	10.09	Horizontal

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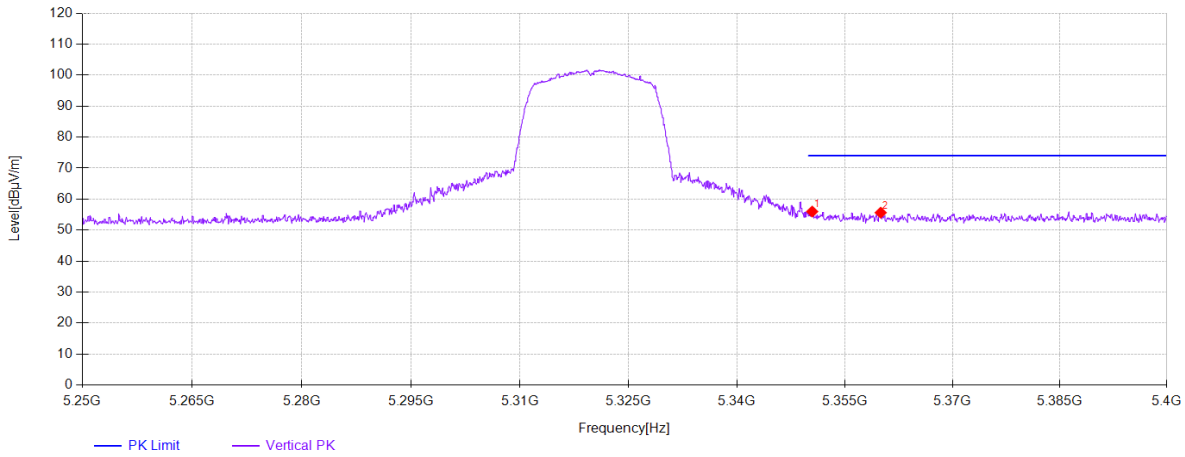

Data List								
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1	5350.4752	36.76	32.20	-12.98	55.98	74.00	18.02	Vertical
2	5360.005	36.55	32.26	-13.18	55.63	74.00	18.37	Vertical

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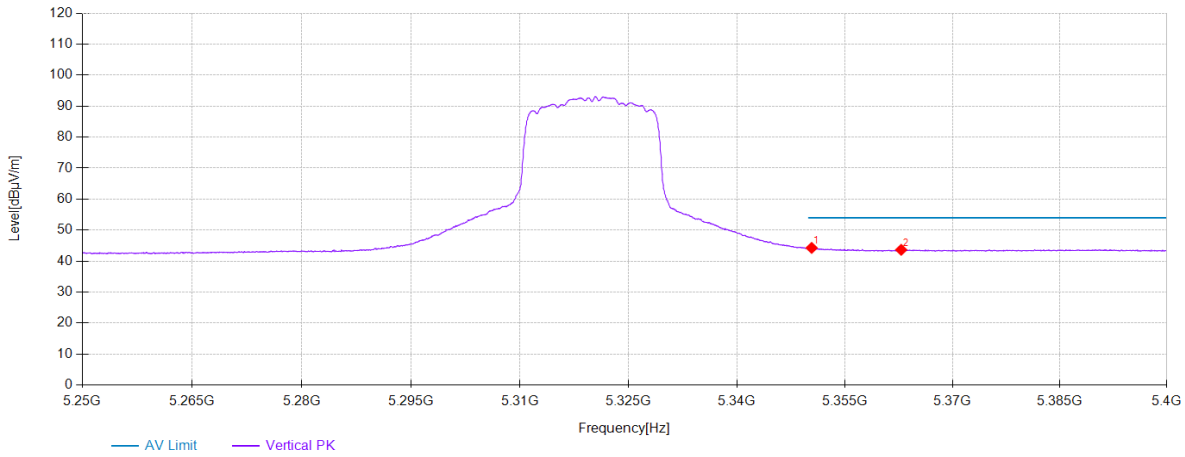

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1	5350.4002	25.05	32.20	-12.98	44.27	54.00	9.73	Vertical
2	5362.8564	24.51	32.28	-13.14	43.65	54.00	10.35	Vertical

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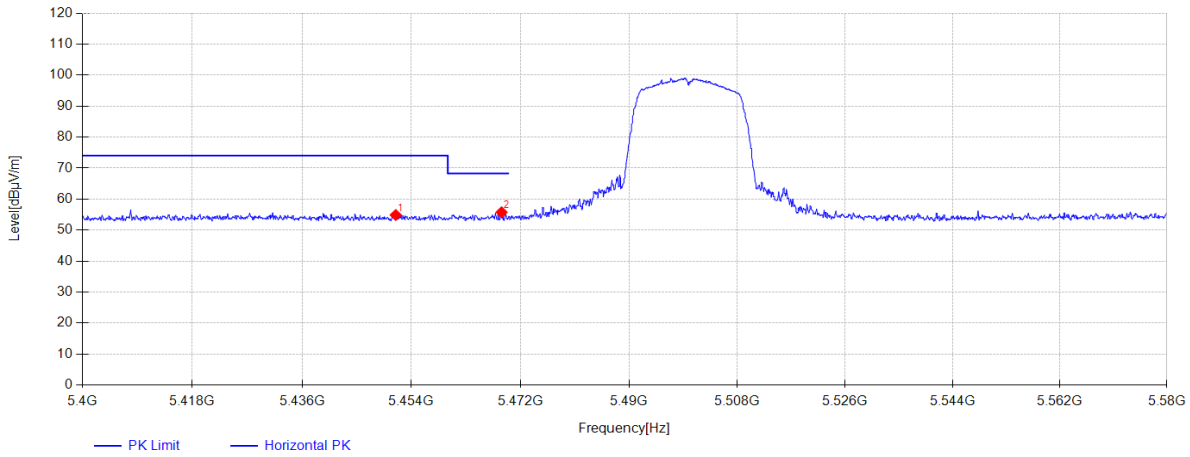
802.11n20_Channel 100



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1	5451.4157	35.76	32.21	-13.09	54.88	74.00	19.12	Horizontal
2	5468.8844	36.52	32.28	-13.01	55.79	68.30	12.51	Horizontal

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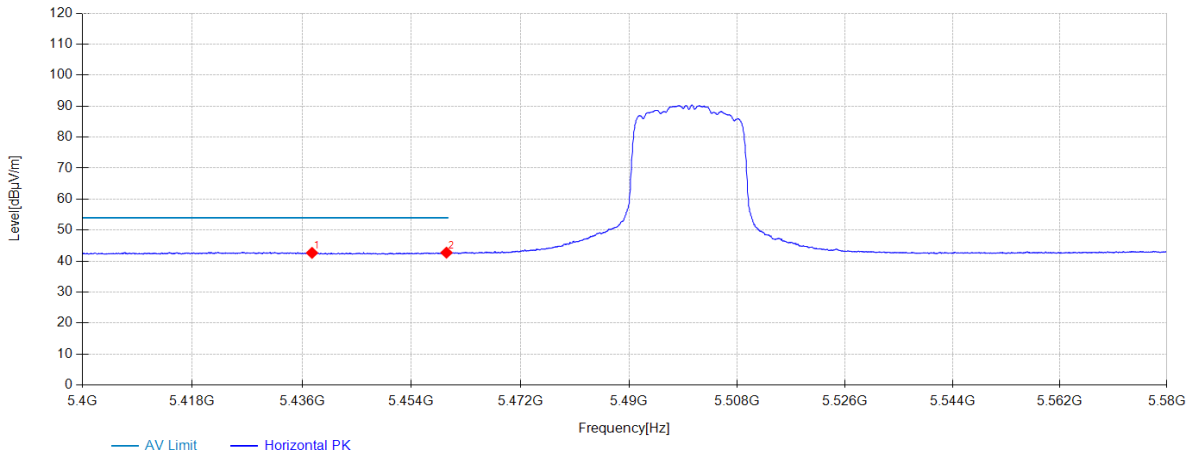

Data List								
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1	5437.6388	23.50	32.27	-13.11	42.66	54.00	11.34	Horizontal
2	5459.7899	23.58	32.24	-13.09	42.73	54.00	11.27	Horizontal

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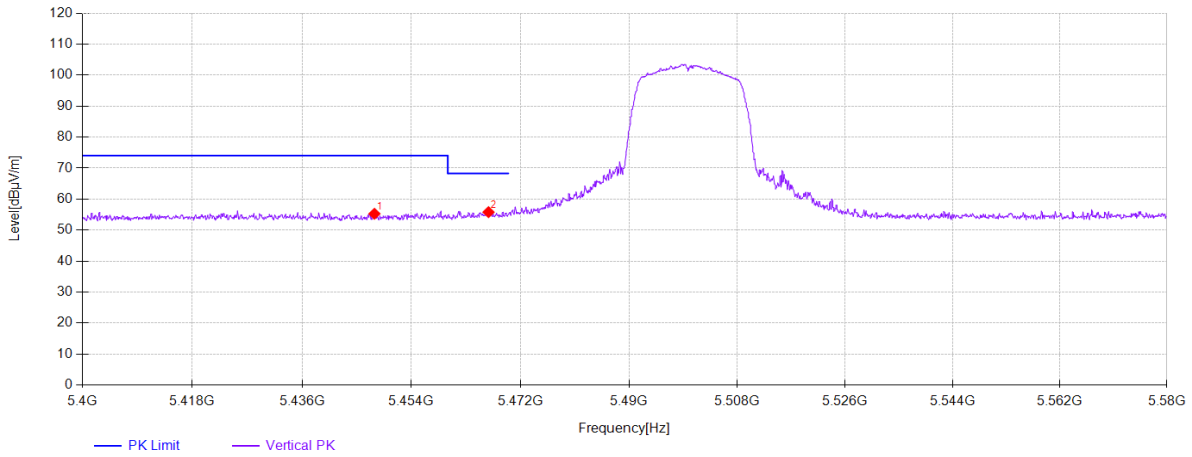

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5447.904	36.17	32.21	-13.10	55.28	74.00	18.72	Vertical
2	5466.7234	36.57	32.27	-13.03	55.81	68.30	12.49	Vertical

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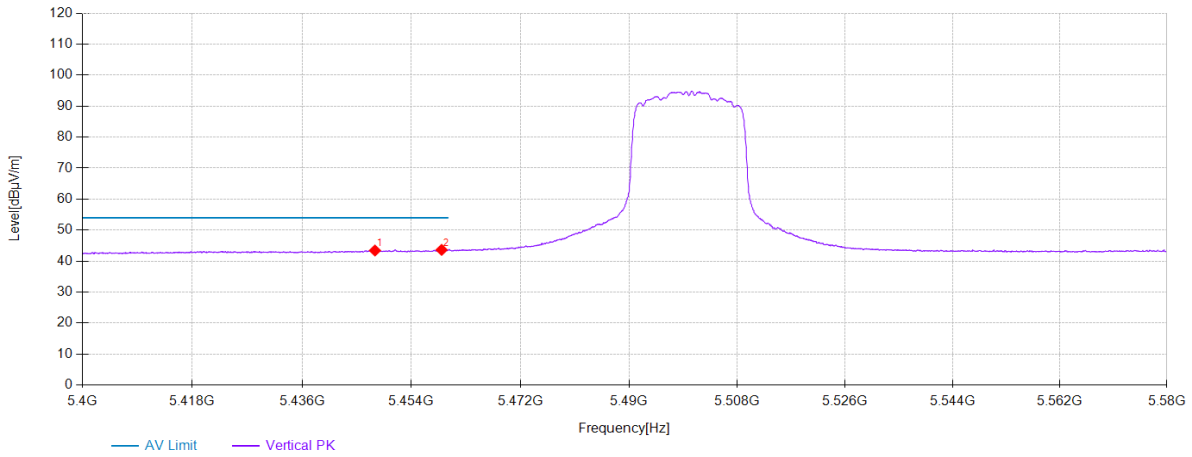

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5447.994	24.31	32.21	-13.10	43.42	54.00	10.58	Vertical
2	5458.9795	24.48	32.24	-13.09	43.63	54.00	10.37	Vertical

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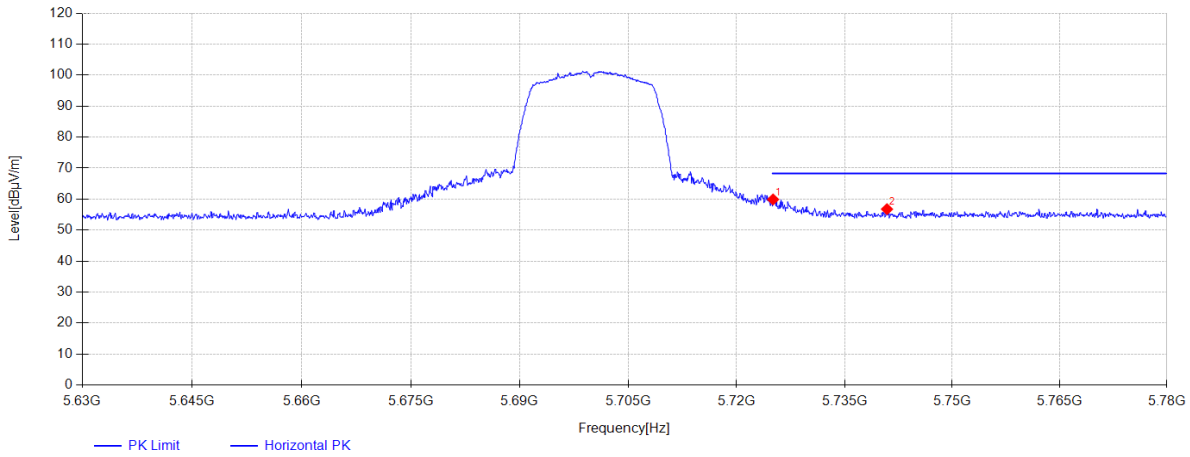

Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5725.0725	40.54	32.50	-13.14	59.90	68.30	8.40	Horizontal
2	5740.9055	37.50	32.50	-13.23	56.77	68.30	11.53	Horizontal

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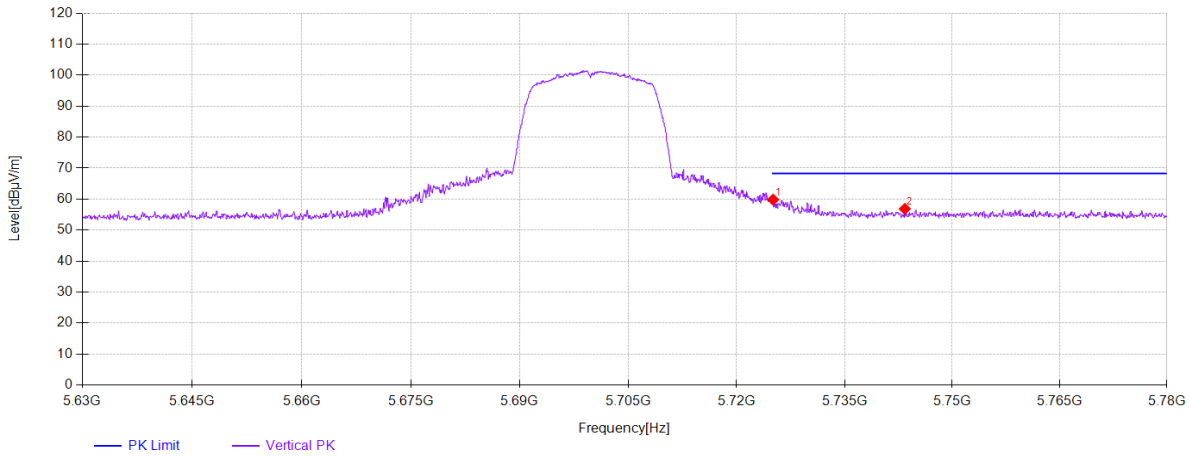

Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5725.0725	40.49	32.50	-13.14	59.85	68.30	8.45	Vertical
2	5743.3817	37.57	32.50	-13.22	56.85	68.30	11.45	Vertical

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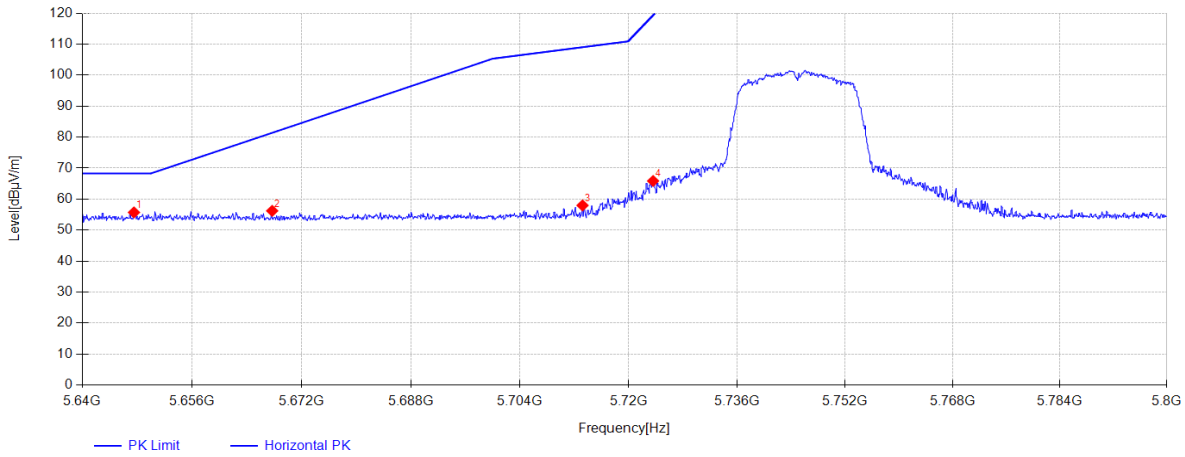

Data List								
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1	5647.5238	36.31	32.50	-13.09	55.72	68.30	12.58	Horizontal
2	5667.6938	36.99	32.50	-13.27	56.22	81.39	25.17	Horizontal
3	5713.2366	38.63	32.50	-13.16	57.97	109.01	51.04	Horizontal
4	5723.6418	46.51	32.50	-13.15	65.86	119.20	53.34	Horizontal

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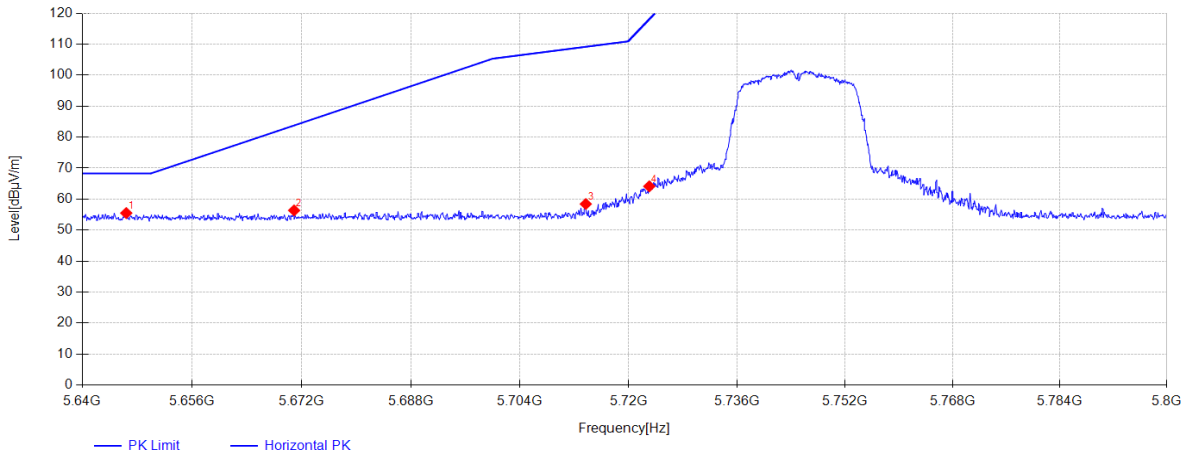

Data List								
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1	5646.4032	36.10	32.51	-13.11	55.50	68.30	12.80	Horizontal
2	5670.8954	37.12	32.50	-13.26	56.36	83.76	27.40	Horizontal
3	5713.7169	39.09	32.50	-13.16	58.43	109.14	50.71	Horizontal
4	5723.0815	44.78	32.50	-13.15	64.13	117.93	53.80	Horizontal

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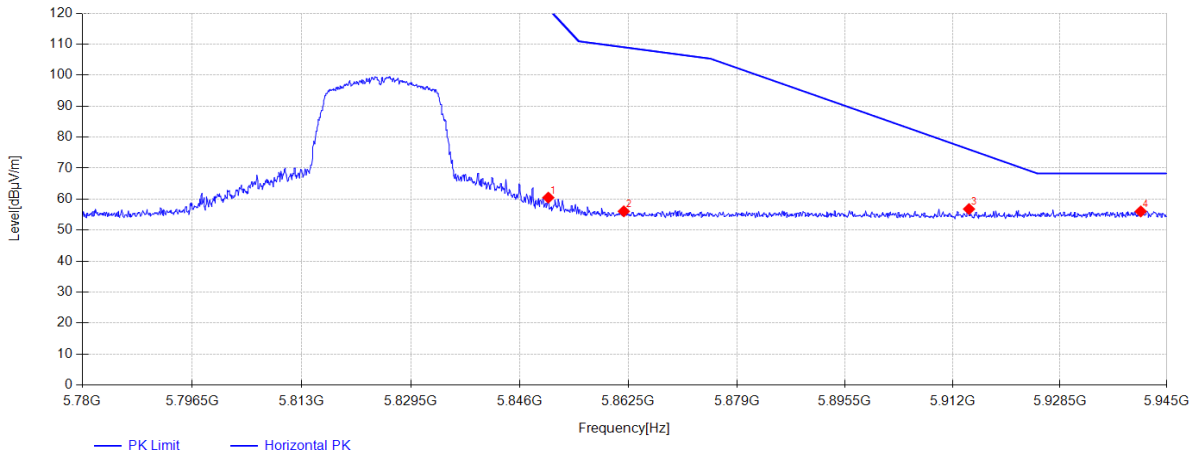

Data List								
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1	5850.3252	40.68	32.60	-12.79	60.49	121.56	61.07	Horizontal
2	5861.7984	36.34	32.65	-12.93	56.06	109.00	52.94	Horizontal
3	5914.5423	37.00	32.83	-13.03	56.80	76.04	19.24	Horizontal
4	5940.9555	35.96	32.88	-12.81	56.03	68.30	12.27	Horizontal

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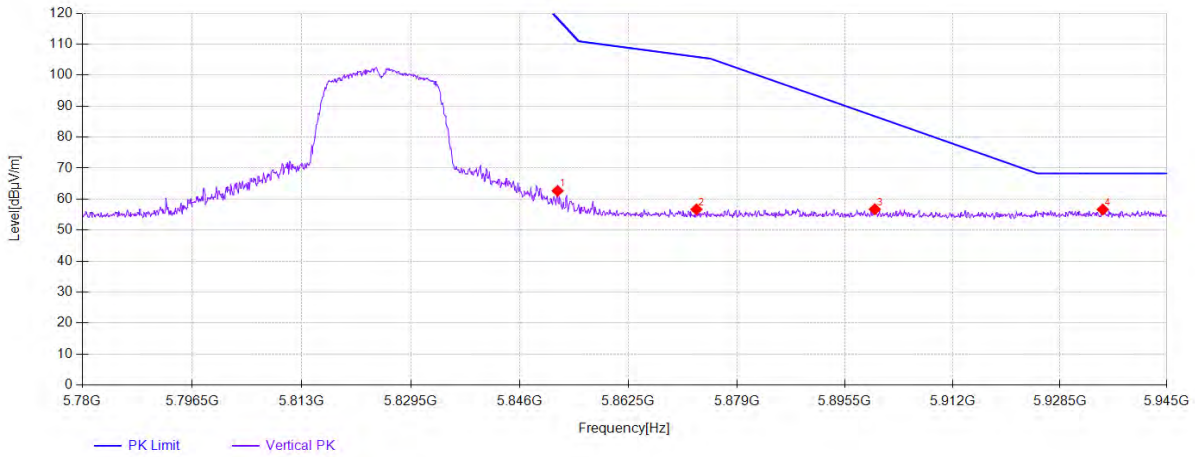
802.11n20_Channel 165



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2	5872.8589	36.99	32.69	-12.97	56.71	105.90	49.19	Vertical
3	5900.0975	36.78	32.80	-12.86	56.72	86.73	30.01	Vertical
4	5935.095	36.53	32.87	-12.74	56.66	68.30	11.64	Vertical

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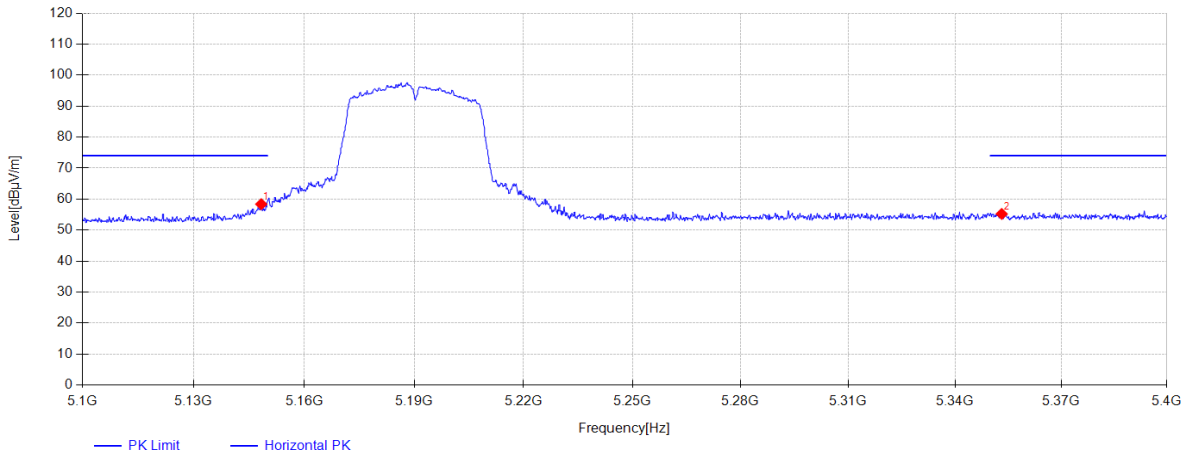

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1	5148.3242	40.40	31.79	-13.81	58.38	74.00	15.62	Horizontal
2	5353.1766	36.05	32.22	-13.04	55.23	74.00	18.77	Horizontal

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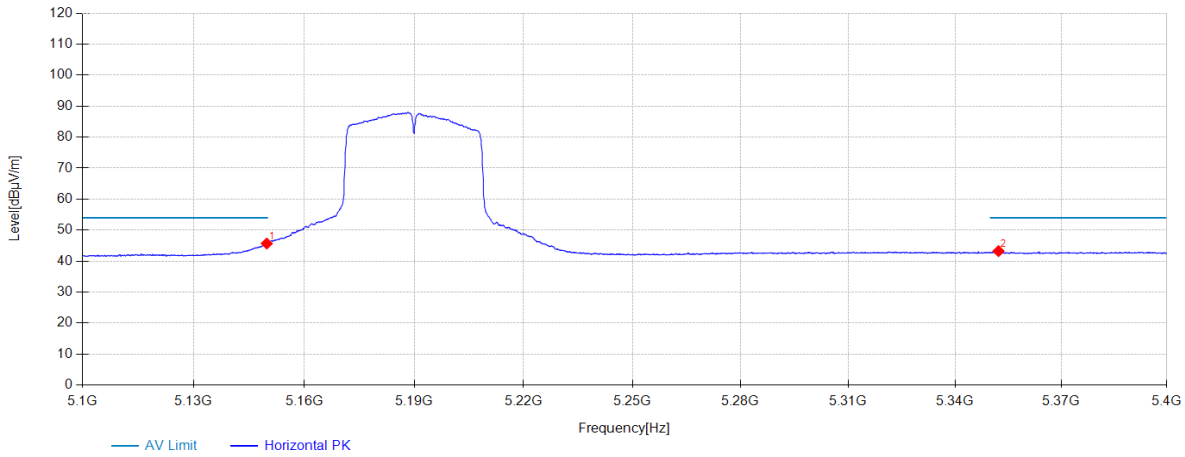

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1	5149.8249	27.66	31.80	-13.78	45.68	54.00	8.32	Horizontal
2	5352.2761	24.05	32.21	-13.02	43.24	54.00	10.76	Horizontal

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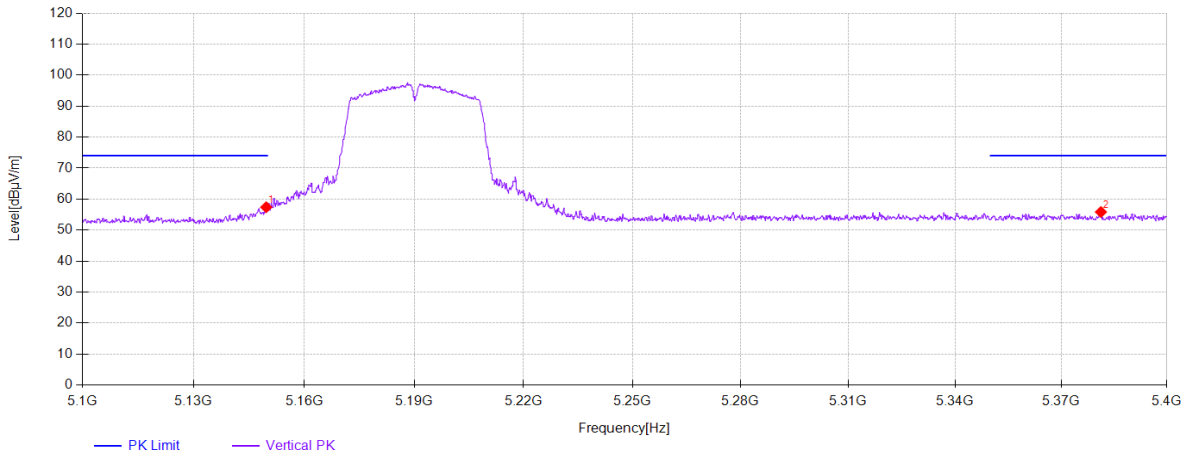

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1	5149.6748	39.38	31.80	-13.79	57.39	74.00	16.61	Vertical
2	5381.2406	36.57	32.39	-13.10	55.86	74.00	18.14	Vertical

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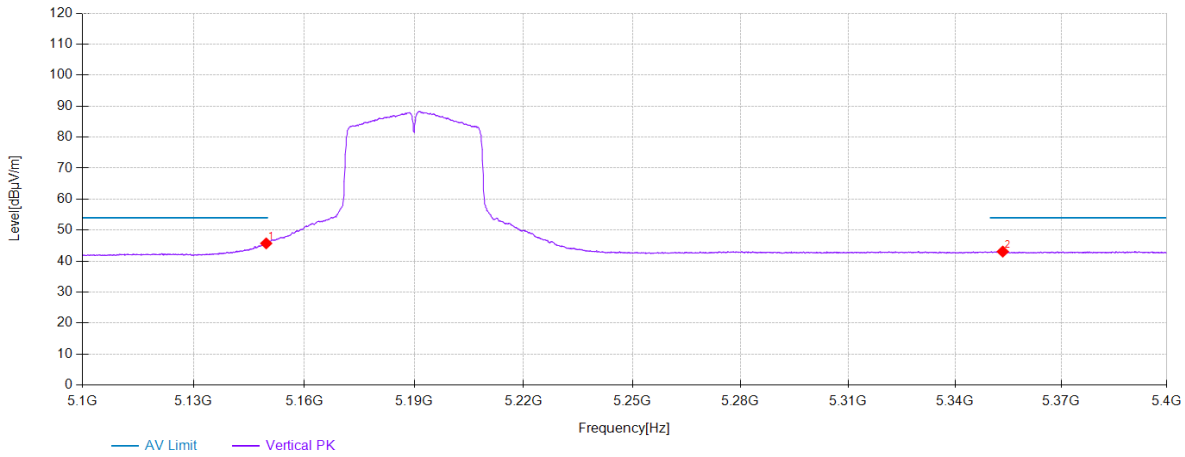

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5149.6748	27.71	31.80	-13.79	45.72	54.00	8.28	Vertical
2	5353.4767	23.90	32.22	-13.04	43.08	54.00	10.92	Vertical

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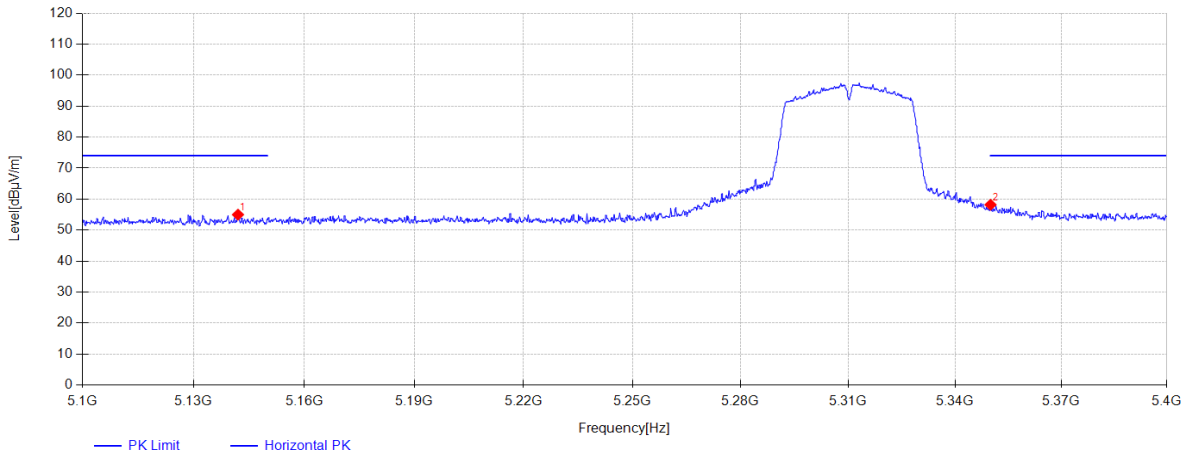

Data List								
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1	5142.021	37.15	31.75	-13.91	54.99	74.00	19.01	Horizontal
2	5350.025	38.96	32.20	-12.97	58.19	74.00	15.81	Horizontal

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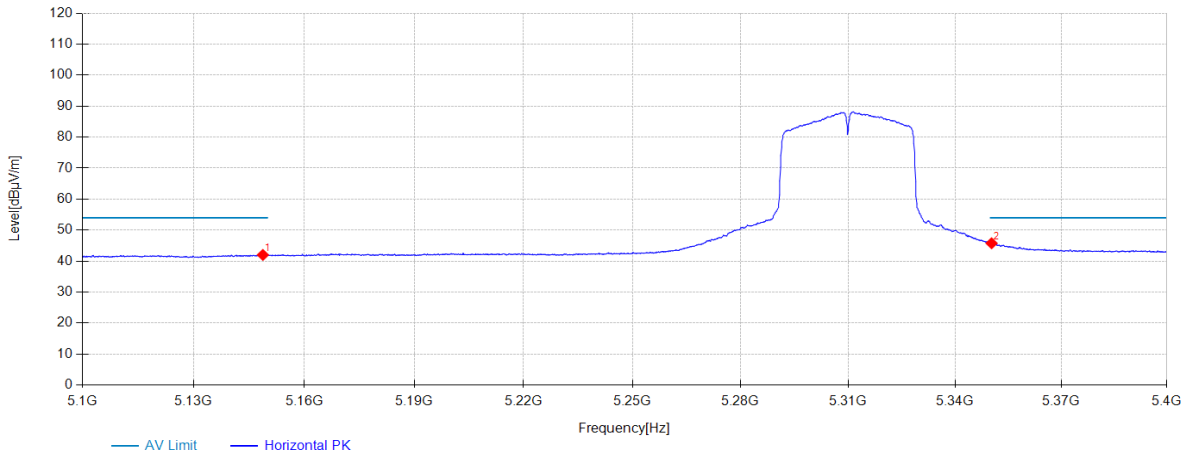

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1	5148.7744	24.02	31.79	-13.80	42.01	54.00	11.99	Horizontal
2	5350.3252	26.54	32.20	-12.98	45.76	54.00	8.24	Horizontal

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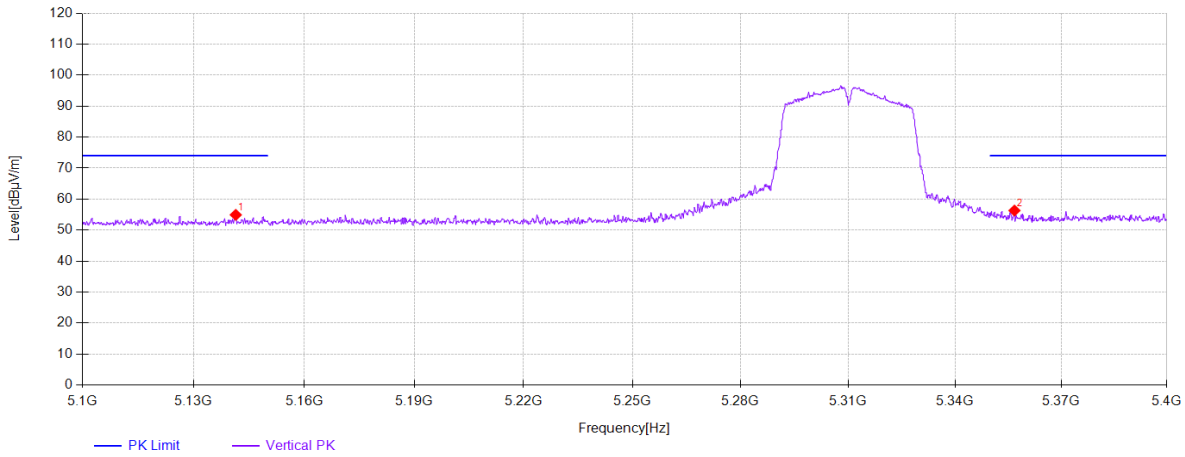

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1	5141.4207	37.09	31.75	-13.92	54.92	74.00	19.08	Vertical
2	5356.7784	37.20	32.24	-13.11	56.33	74.00	17.67	Vertical

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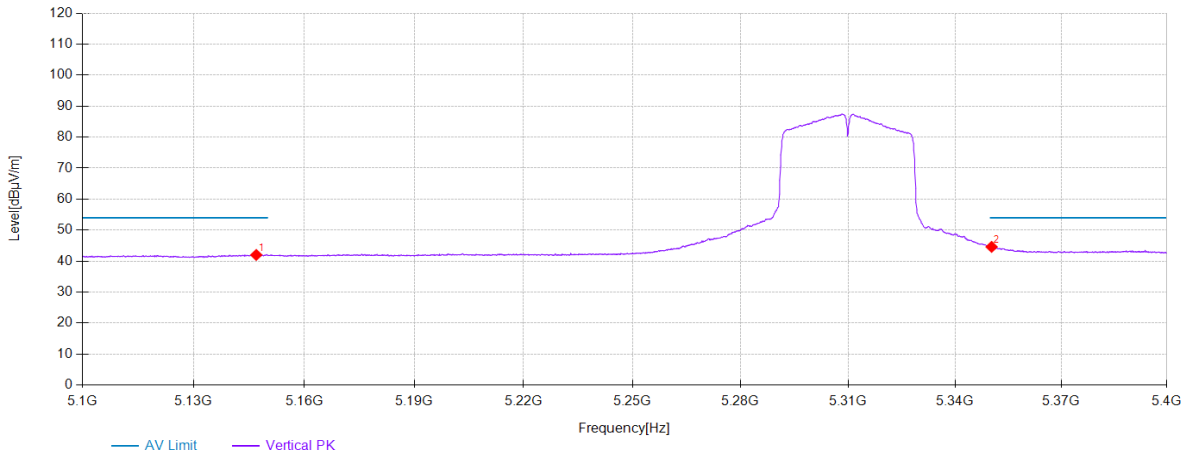

Data List								
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1	5146.9735	24.05	31.78	-13.83	42.00	54.00	12.00	Vertical
2	5350.3252	25.38	32.20	-12.98	44.60	54.00	9.40	Vertical

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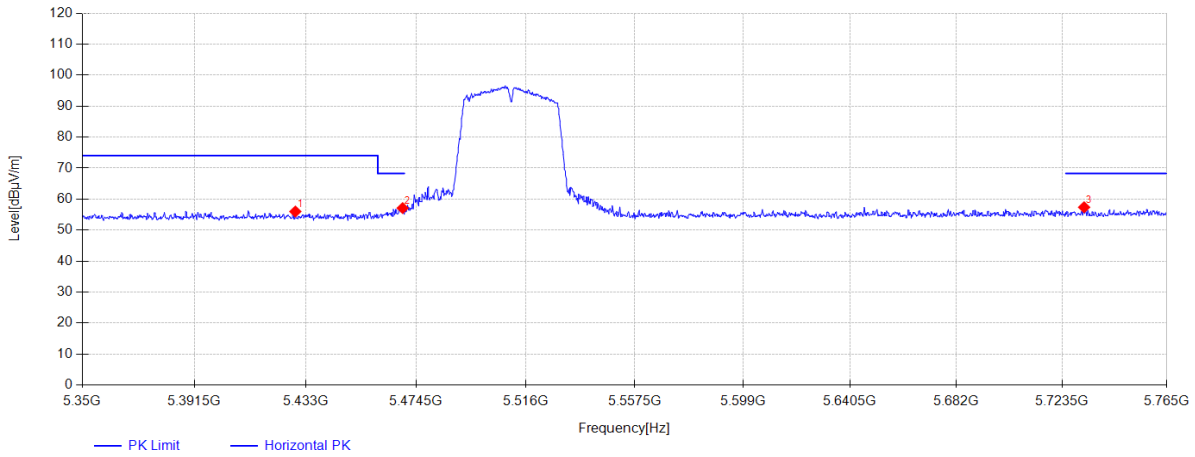

Data List								
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1	5429.097	36.61	32.33	-12.94	56.00	74.00	18.00	Horizontal
2	5469.3722	37.84	32.28	-13.01	57.11	68.30	11.19	Horizontal
3	5732.1986	38.02	32.50	-13.14	57.38	68.30	10.92	Horizontal

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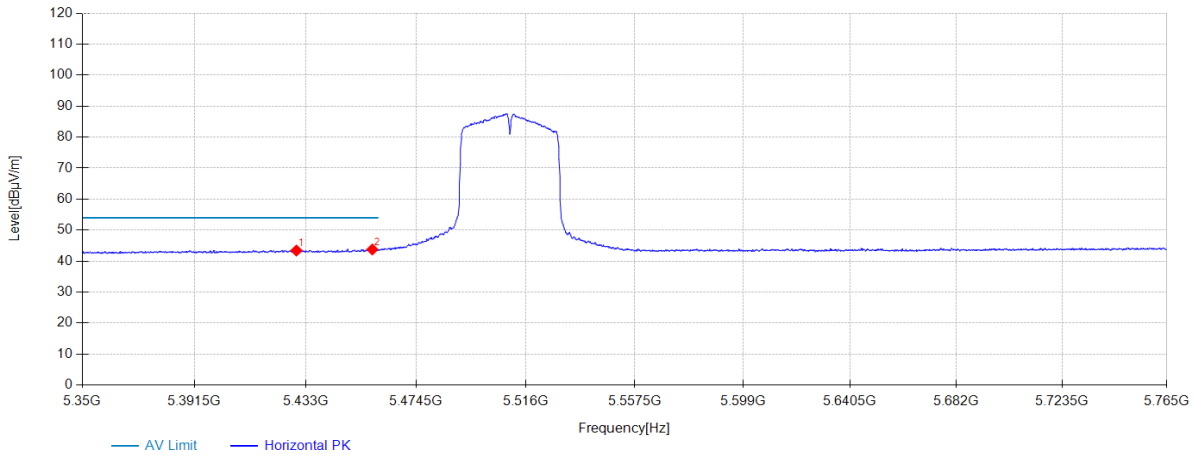

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1	5429.5123	24.03	32.32	-12.93	43.42	54.00	10.58	Horizontal
2	5457.954	24.62	32.23	-13.09	43.76	54.00	10.24	Horizontal

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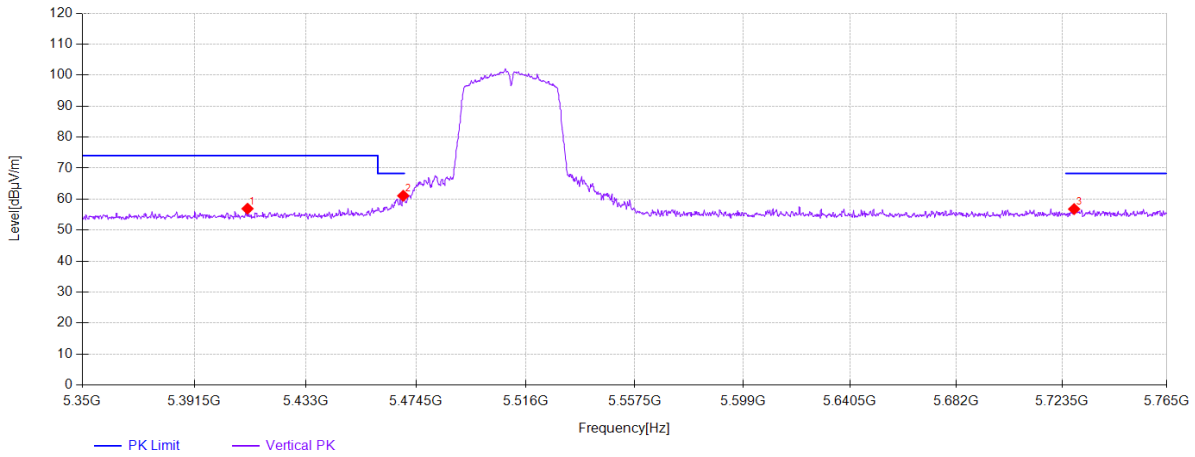

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1	5411.2431	37.69	32.43	-13.20	56.92	74.00	17.08	Vertical
2	5469.5798	41.81	32.28	-13.00	61.09	68.30	7.21	Vertical
3	5728.2541	37.42	32.50	-13.13	56.79	68.30	11.51	Vertical

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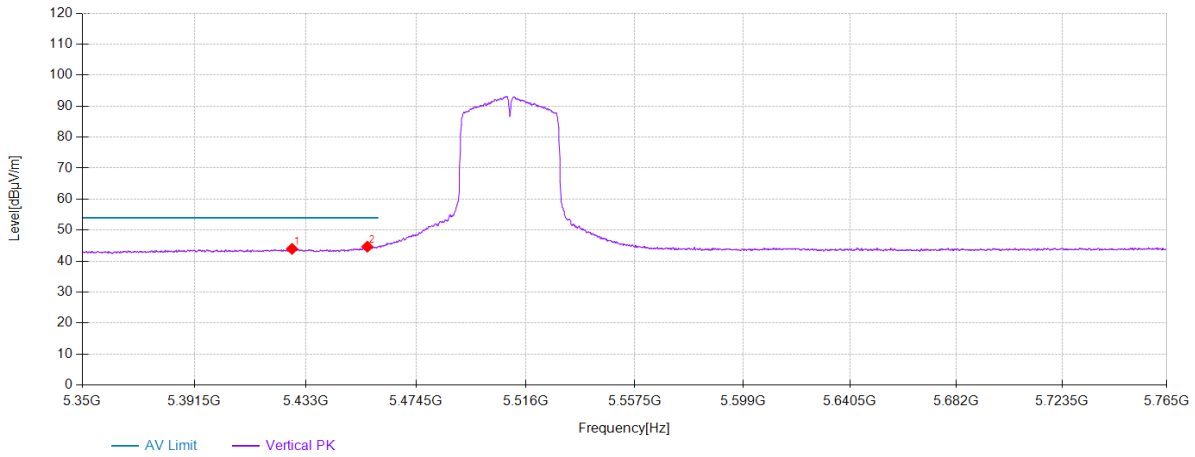

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5427.8514	24.58	32.33	-12.95	43.96	54.00	10.04	Vertical
2	5456.0855	25.52	32.22	-13.09	44.65	54.00	9.35	Vertical

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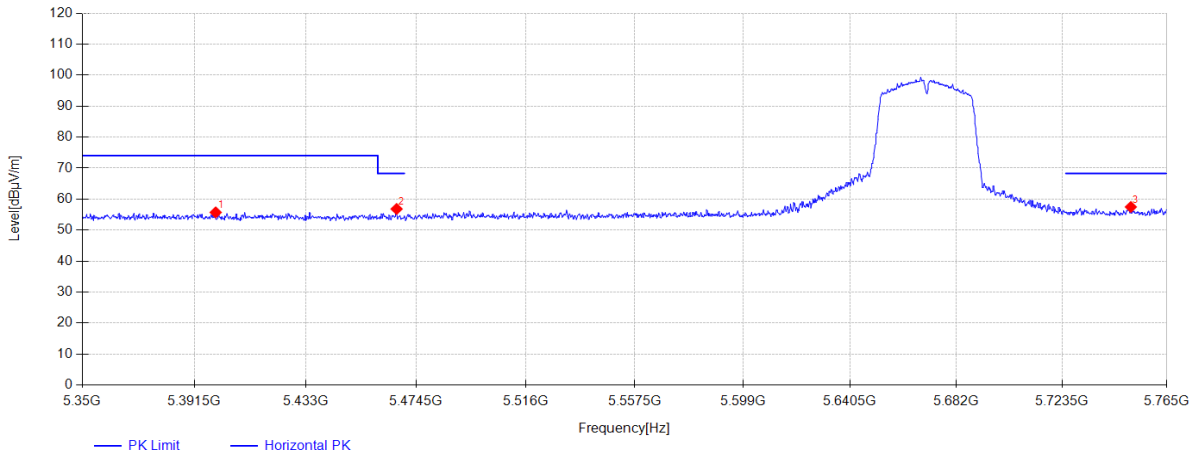

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1	5399.4097	36.49	32.50	-13.27	55.72	74.00	18.28	Horizontal
2	5467.0885	37.59	32.27	-13.03	56.83	68.30	11.47	Horizontal
3	5750.6753	38.17	32.50	-13.19	57.48	68.30	10.82	Horizontal

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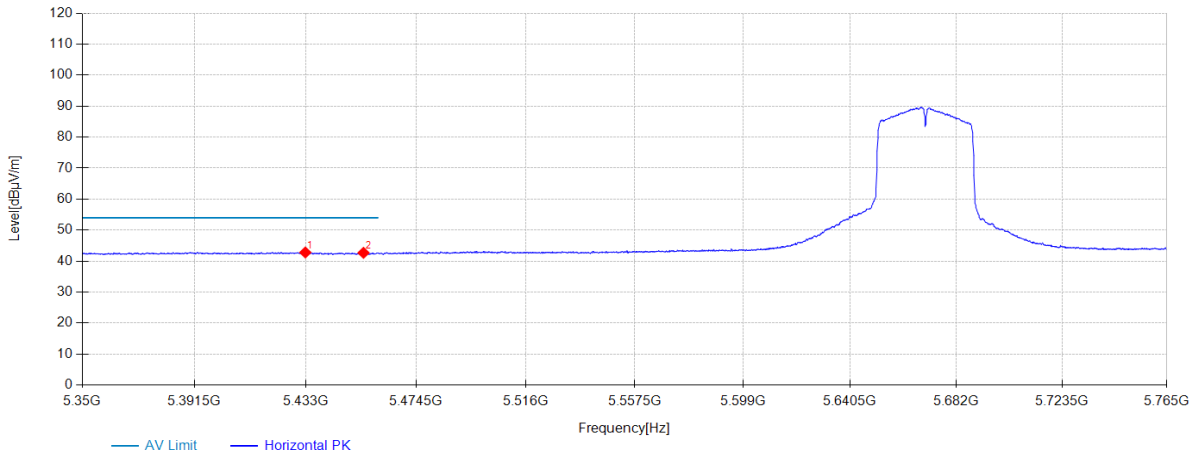

Data List								
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1	5432.8339	23.50	32.30	-13.00	42.80	54.00	11.20	Horizontal
2	5454.6323	23.55	32.22	-13.09	42.68	54.00	11.32	Horizontal

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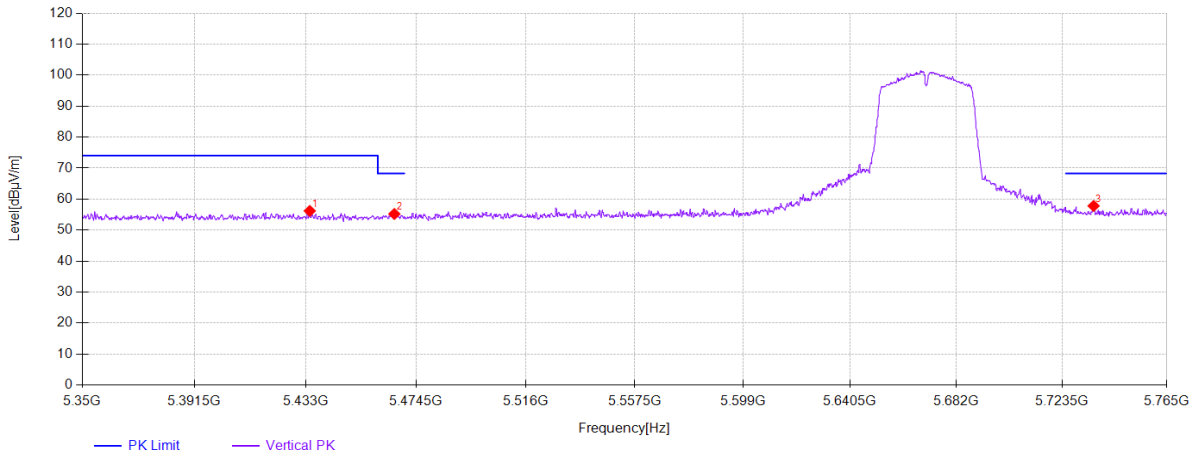

Data List								
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1	5434.4947	36.94	32.29	-13.03	56.20	74.00	17.80	Vertical
2	5466.2581	35.98	32.27	-13.03	55.22	68.30	13.08	Vertical
3	5735.9355	38.50	32.50	-13.19	57.81	68.30	10.49	Vertical

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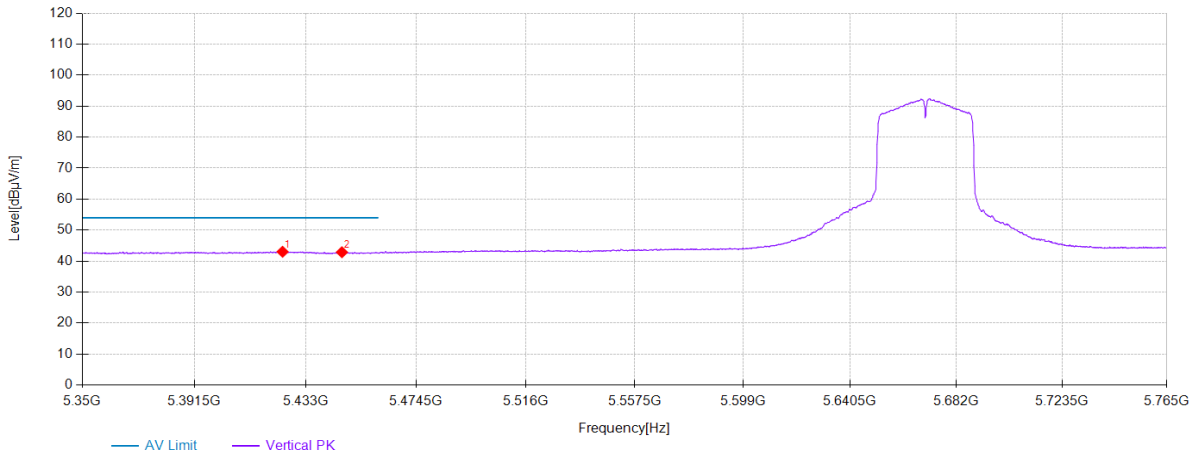

Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5424.3222	23.66	32.35	-12.99	43.02	54.00	10.98	Vertical
2	5446.5358	23.77	32.22	-13.11	42.88	54.00	11.12	Vertical

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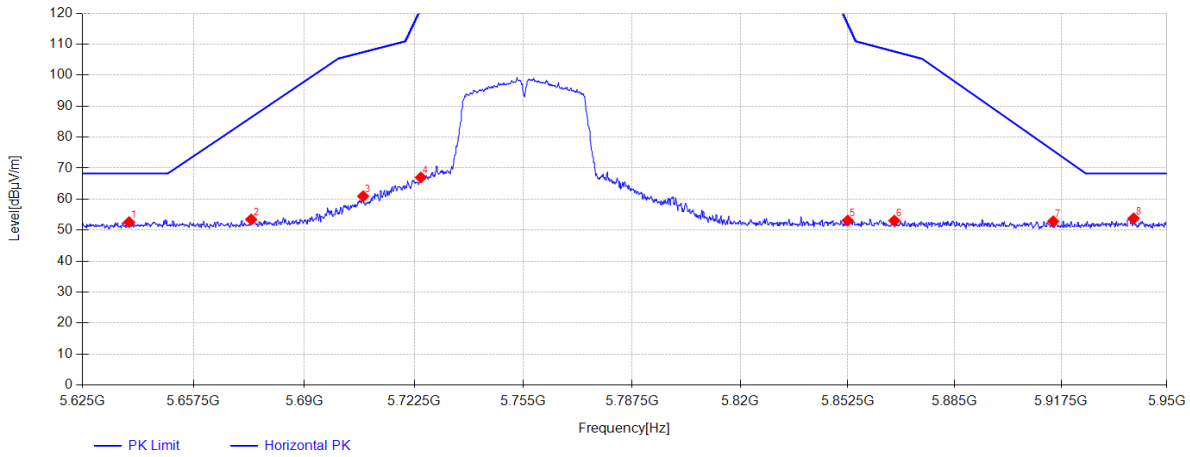

Data List								
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1	5638.6568	33.25	32.52	-13.20	52.57	68.30	15.73	Horizontal
2	5674.4247	34.14	32.50	-13.18	53.46	86.37	32.91	Horizontal
3	5707.4287	41.57	32.50	-13.14	60.93	107.38	46.45	Horizontal
4	5724.4998	47.63	32.50	-13.14	66.99	121.16	54.17	Horizontal
5	5852.4512	33.32	32.61	-12.82	53.11	116.71	63.60	Horizontal
6	5866.5958	33.36	32.67	-12.97	53.06	107.65	54.59	Horizontal
7	5915.045	33.04	32.83	-13.03	52.84	75.67	22.83	Horizontal
8	5939.7574	33.71	32.88	-12.79	53.80	68.30	14.50	Horizontal

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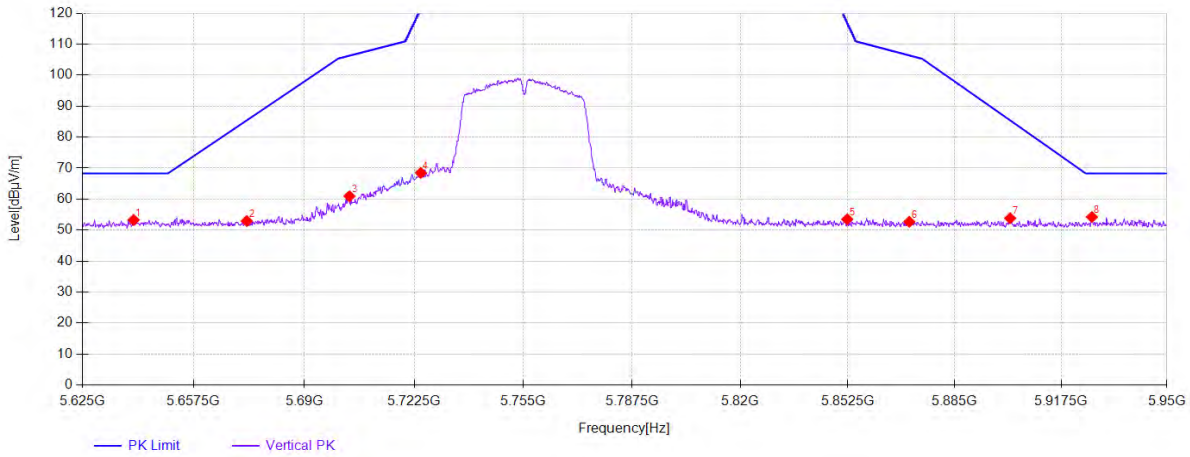

Data List								
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1	5639.9575	33.95	32.52	-13.19	53.28	68.30	15.02	Vertical
2	5673.1241	33.63	32.50	-13.21	52.92	85.41	32.49	Vertical
3	5703.3642	41.56	32.50	-13.11	60.95	106.24	45.29	Vertical
4	5724.4998	49.09	32.50	-13.14	68.45	121.16	52.71	Vertical
5	5852.2886	33.72	32.61	-12.82	53.51	117.08	63.57	Vertical
6	5871.1481	32.97	32.68	-12.98	52.67	106.38	53.71	Vertical
7	5901.8759	33.93	32.80	-12.89	53.84	85.41	31.57	Vertical
8	5926.9135	34.19	32.85	-12.80	54.24	68.30	14.06	Vertical

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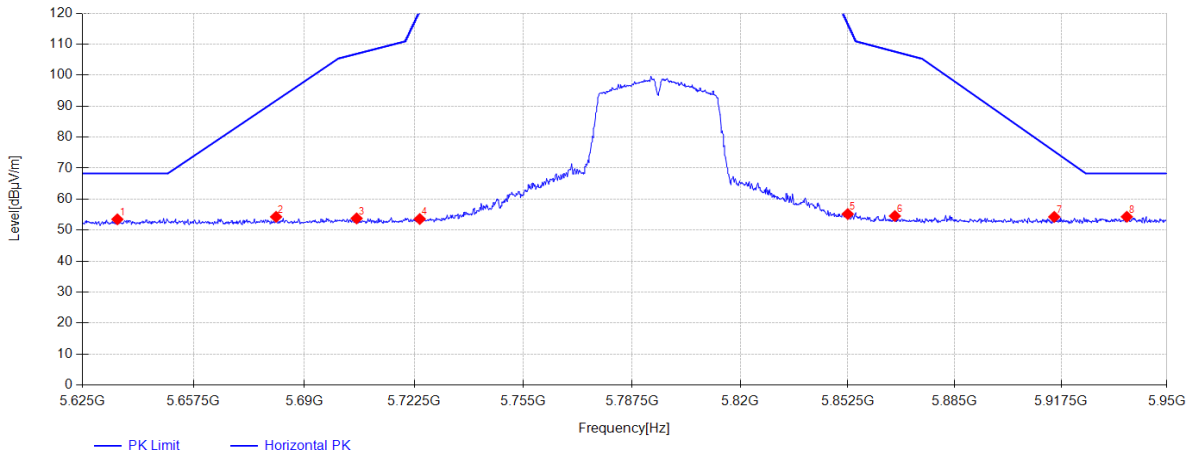

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1	5635.2426	34.19	32.53	-13.23	53.49	68.30	14.81	Horizontal
2	5681.7409	34.88	32.50	-13.09	54.29	91.79	37.50	Horizontal
3	5705.4777	34.40	32.50	-13.12	53.78	106.83	53.05	Horizontal
4	5724.1746	34.23	32.50	-13.14	53.59	120.42	66.83	Horizontal
5	5852.4512	35.40	32.61	-12.82	55.19	116.71	61.52	Horizontal
6	5866.7584	34.85	32.67	-12.97	54.55	107.61	53.06	Horizontal
7	5915.3702	34.47	32.83	-13.03	54.27	75.43	21.16	Horizontal
8	5937.6438	34.19	32.88	-12.76	54.31	68.30	13.99	Horizontal

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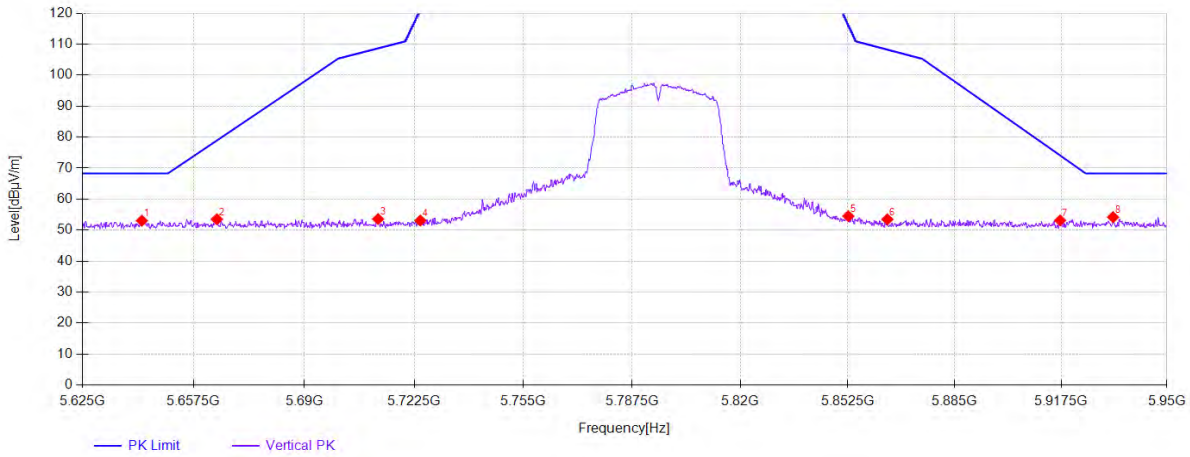
802.11n40_Channel 159



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5642.3962	33.70	32.52	-13.16	53.06	68.30	15.24	Vertical
2	5664.3447	34.27	32.50	-13.26	53.51	78.92	25.41	Vertical
3	5711.8184	34.24	32.50	-13.16	53.58	108.61	55.03	Vertical
4	5724.3372	33.73	32.50	-13.14	53.09	120.79	67.70	Vertical
5	5852.6138	34.74	32.61	-12.82	54.53	116.34	61.81	Vertical
6	5864.4822	33.77	32.66	-12.95	53.48	108.24	54.76	Vertical
7	5917.1586	33.35	32.83	-13.04	53.14	74.10	20.96	Vertical
8	5933.4167	34.03	32.87	-12.72	54.18	68.30	14.12	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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