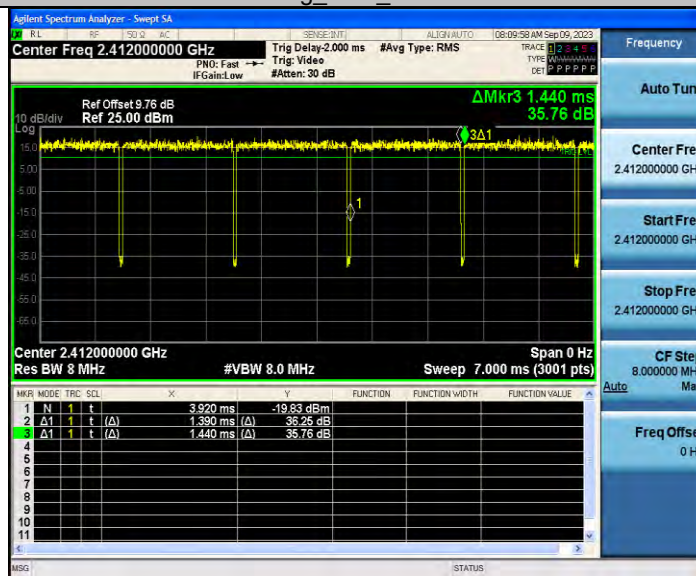


11b\_Ant1\_2462

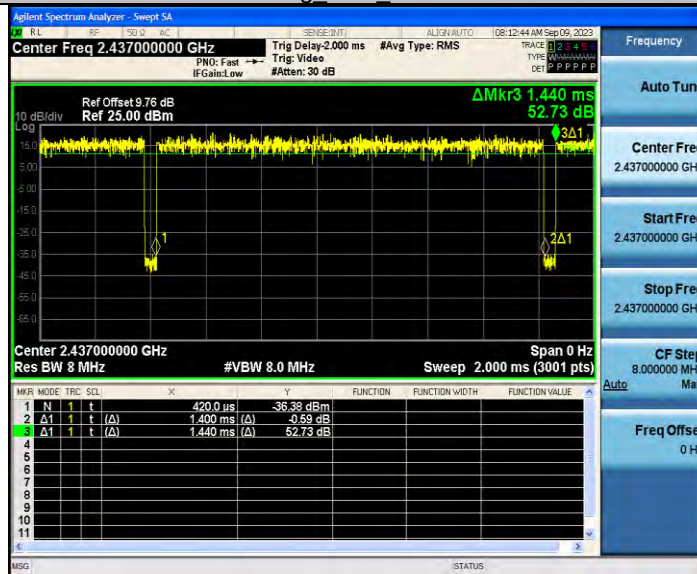


11g\_Ant1\_2412

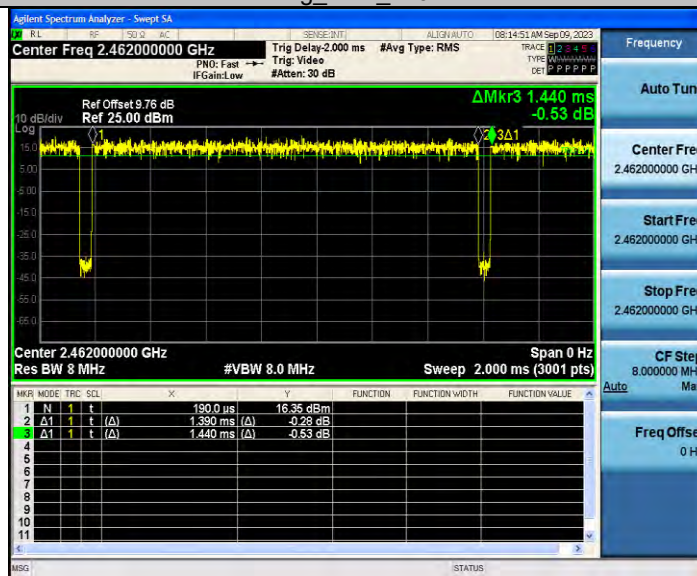


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11g\_Ant1\_2437

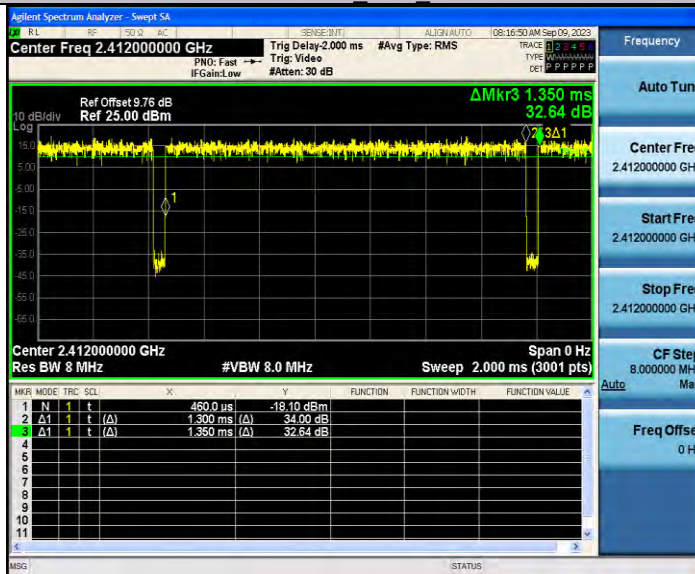


11g\_Ant1\_2462

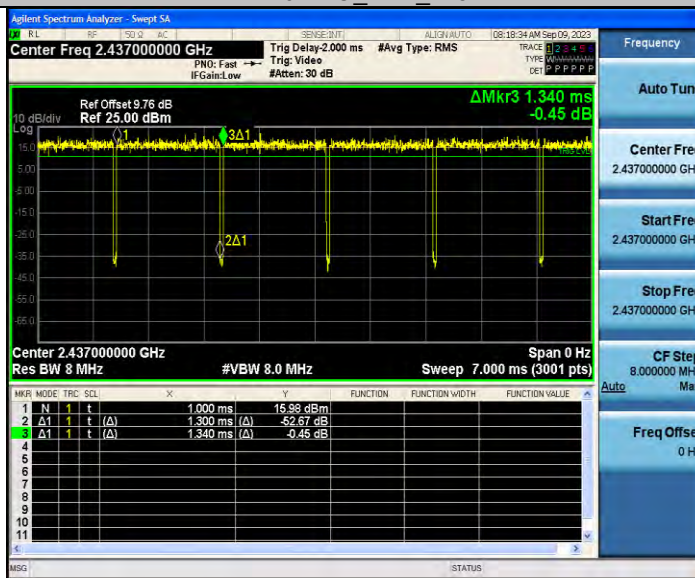


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11n20SISO\_Ant1\_2412

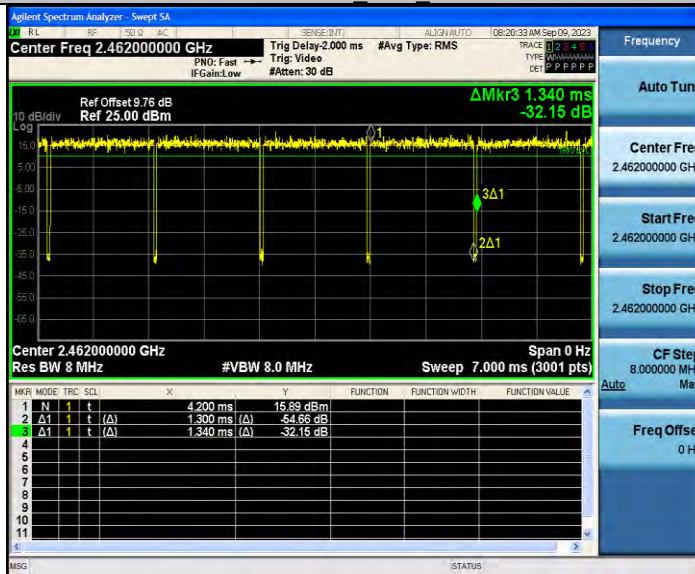


11n20SISO\_Ant1\_2437

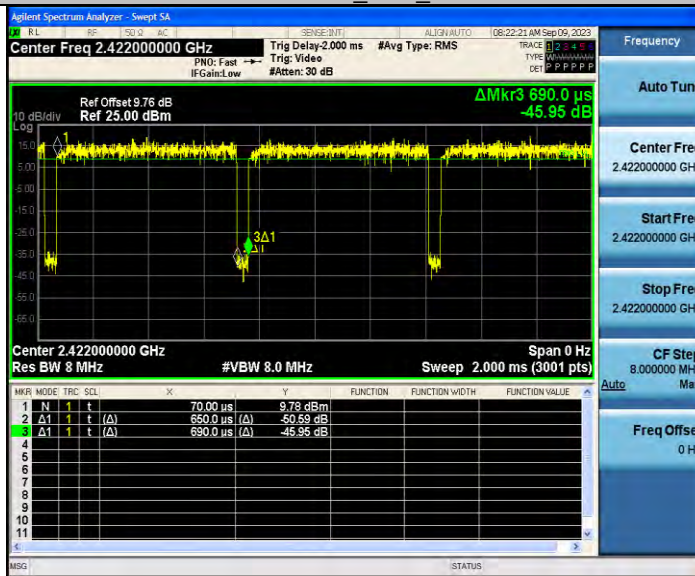


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11n20SISO\_Ant1\_2462

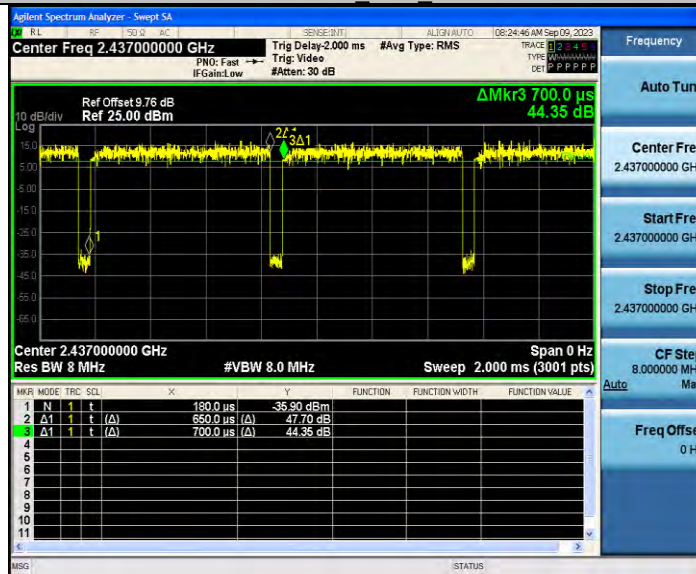


11n40SISO\_Ant1\_2422

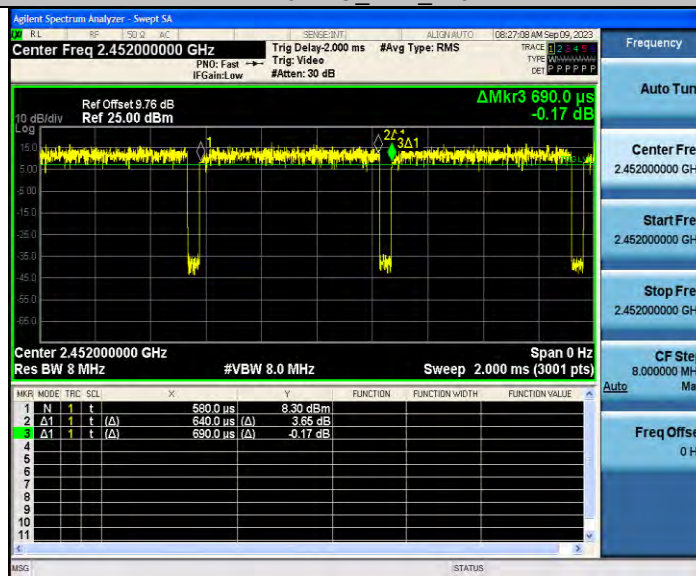


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11n40SISO\_Ant1\_2437



11n40SISO\_Ant1\_2452



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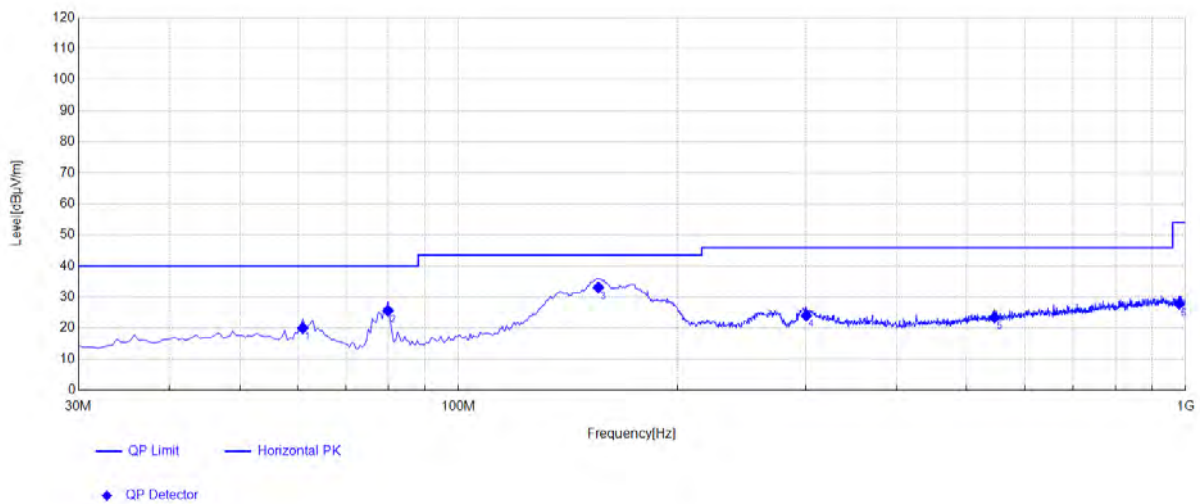
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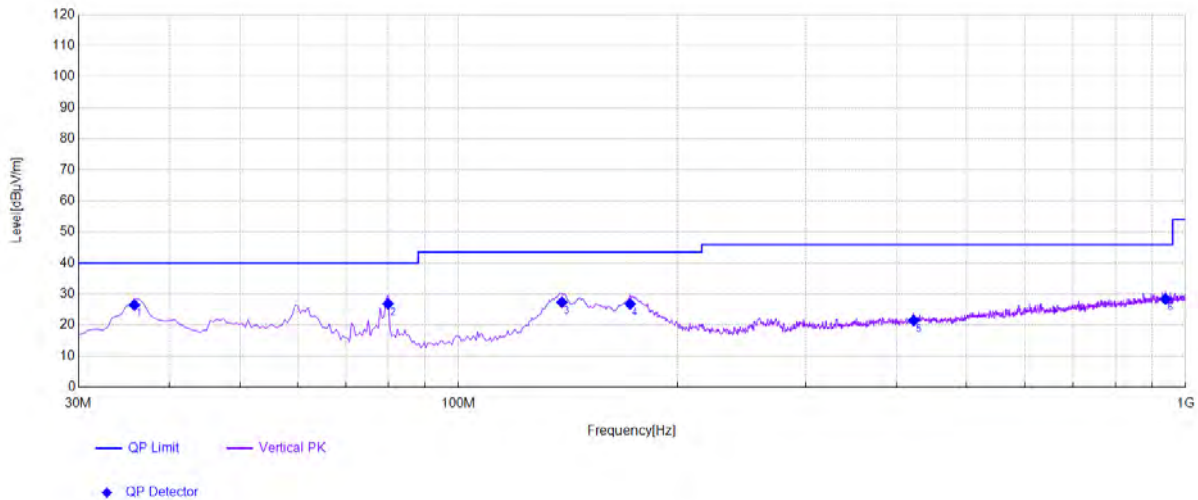
**Radiated Spurious Emissions**  
**Radiated emission below 1GHz**  
**Worst case Mode: 802.11n40\_Channel 3**



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	61.0555	12.28	-27.90	35.62	20.00	40.00	20.00	Horizontal
2	79.98	7.20	-27.23	45.63	25.60	40.00	14.40	Horizontal
3	155.6778	8.20	-26.55	51.45	33.10	43.50	10.40	Horizontal
4	300.7654	13.25	-25.91	36.71	24.05	46.00	21.95	Horizontal
5	545.8129	17.92	-24.95	30.44	23.41	46.00	22.59	Horizontal
6	979.6198	22.11	-23.50	29.18	27.79	54.00	26.21	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	35.8229	11.73	-27.99	42.72	26.46	40.00	13.54	Vertical
2	79.98	7.20	-27.23	46.91	26.88	40.00	13.12	Vertical
3	138.6943	7.50	-26.47	46.33	27.36	43.50	16.14	Vertical
4	172.1761	9.12	-26.50	44.18	26.80	43.50	16.70	Vertical
5	422.5613	16.05	-25.15	30.59	21.49	46.00	24.51	Vertical
6	938.3742	22.10	-23.58	29.87	28.39	46.00	17.61	Vertical

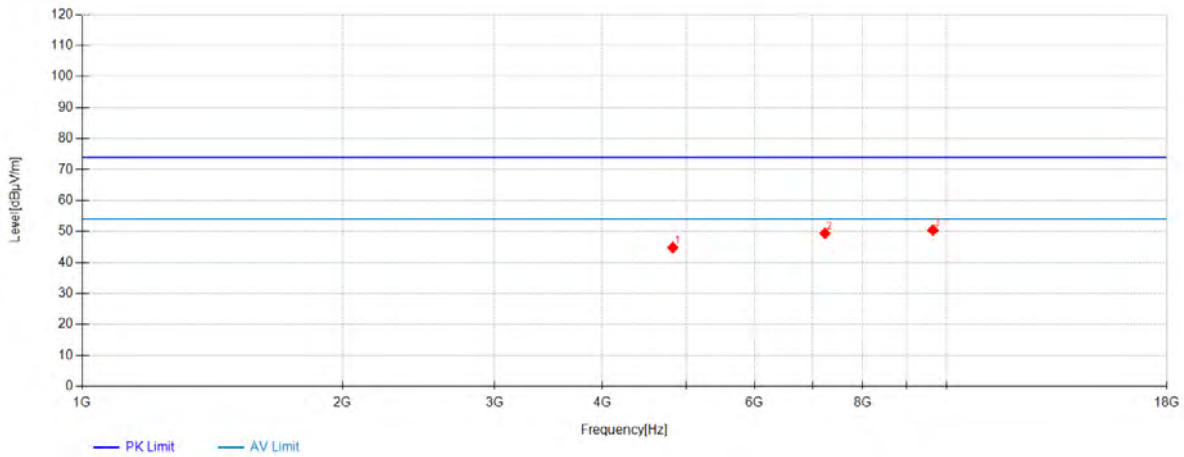
Remark:

- The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier gain. The basic equation with a sample calculation is as follows:  
 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)
- 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	57.05	30.70	-42.93	44.82	74.00	29.18	Horizontal
2	7236	51.81	36.38	-38.76	49.43	74.00	24.57	Horizontal
3	9648	48.33	38.09	-35.97	50.45	74.00	23.55	Horizontal



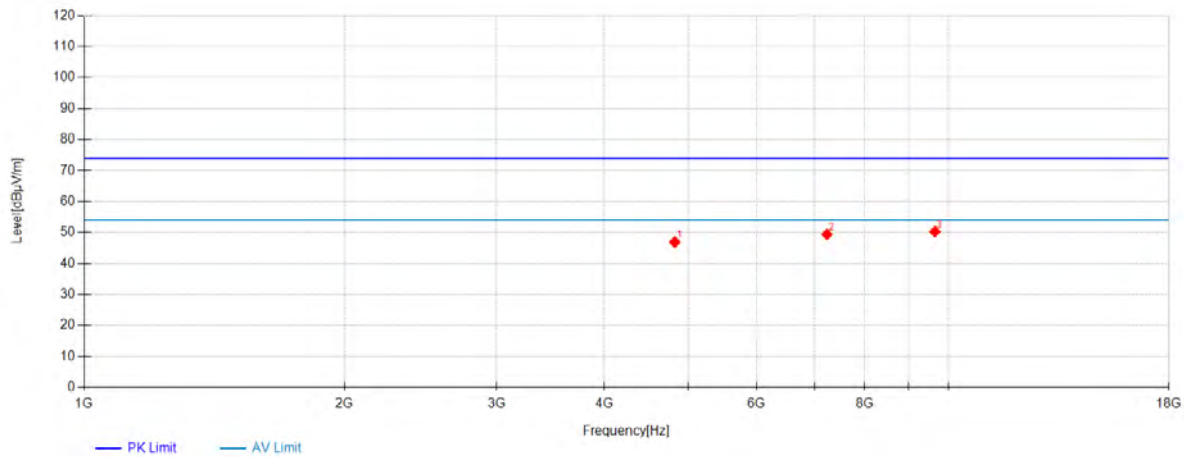
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802.11b\_Channel 1



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4824	59.16	30.70	-42.93	46.93	74.00	27.07	Vertical
2	7236	51.78	36.38	-38.76	49.40	74.00	24.60	Vertical
3	9648	48.18	38.09	-35.97	50.30	74.00	23.70	Vertical

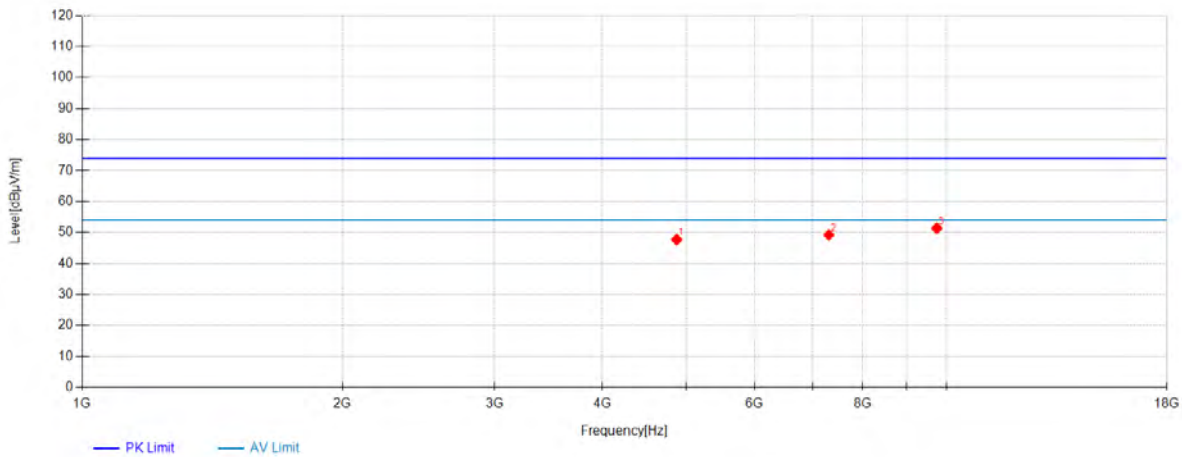


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802.11b\_Channel 6



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4874	59.89	30.74	-42.90	47.73	74.00	26.27	Horizontal
2	7311	51.63	36.42	-38.81	49.24	74.00	24.76	Horizontal
3	9748	49.13	38.30	-36.04	51.39	74.00	22.61	Horizontal

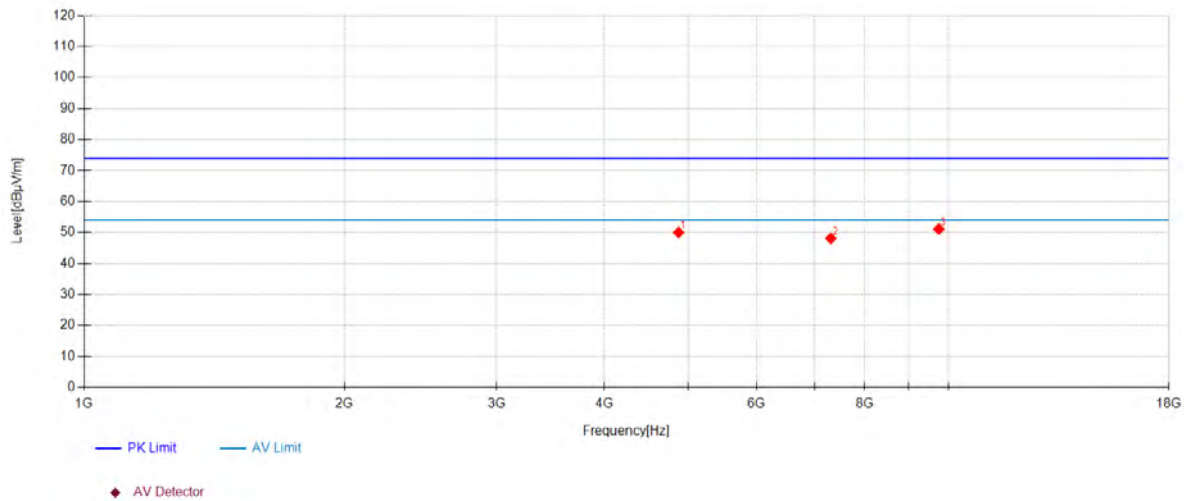


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802.11b\_Channel 6



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4874	62.18	30.74	-42.90	50.02	74.00	23.98	Vertical
2	7311	50.51	36.42	-38.81	48.12	74.00	25.88	Vertical
3	9748	48.86	38.30	-36.04	51.12	74.00	22.88	Vertical

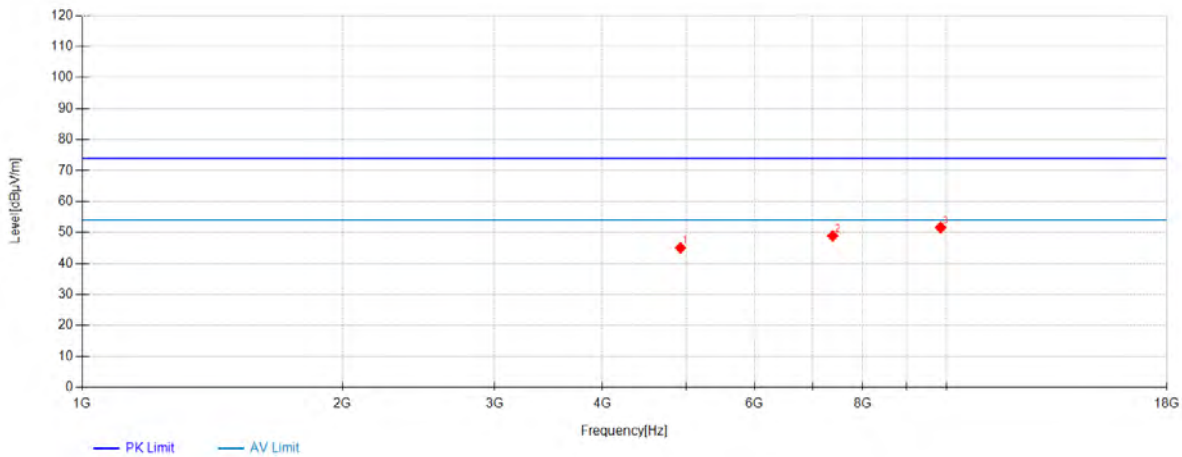


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802.11b\_Channel 11



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4924	56.95	30.95	-42.84	45.06	74.00	28.94	Horizontal
2	7386	50.64	36.64	-38.36	48.92	74.00	25.08	Horizontal
3	9848	48.76	38.21	-35.36	51.61	74.00	22.39	Horizontal

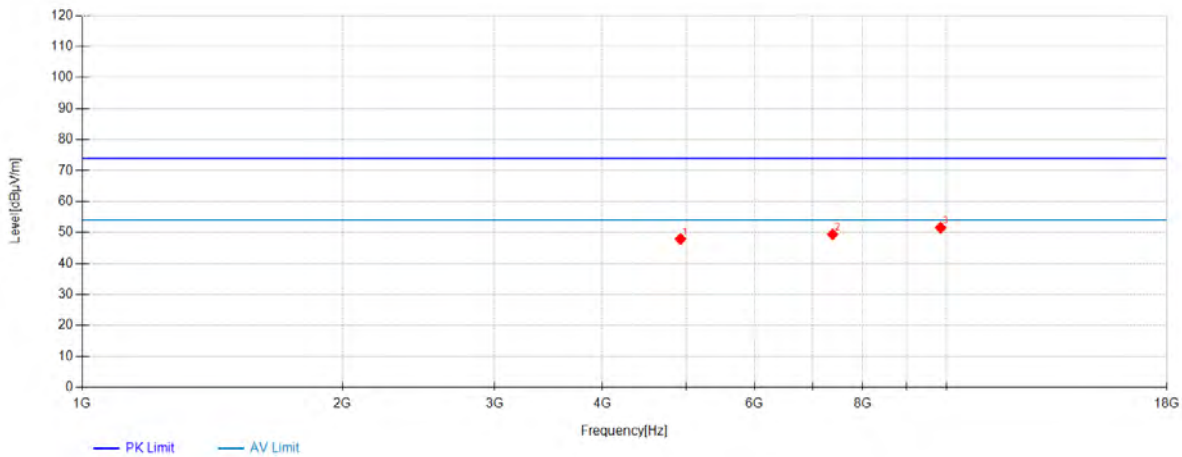


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802.11b\_Channel 11



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4924	59.80	30.95	-42.84	47.91	74.00	26.09	Vertical
2	7386	51.12	36.64	-38.36	49.40	74.00	24.60	Vertical
3	9848	48.72	38.21	-35.36	51.57	74.00	22.43	Vertical

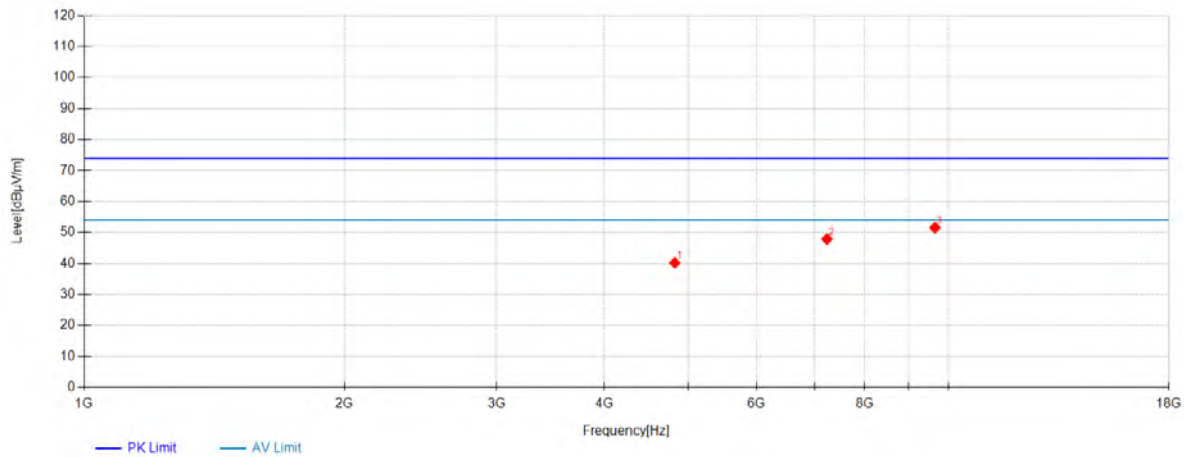


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802.11g\_Channel 1



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4824	52.45	30.70	-42.93	40.22	74.00	33.78	Horizontal
2	7236	50.25	36.38	-38.76	47.87	74.00	26.13	Horizontal
3	9648	49.44	38.09	-35.97	51.56	74.00	22.44	Horizontal

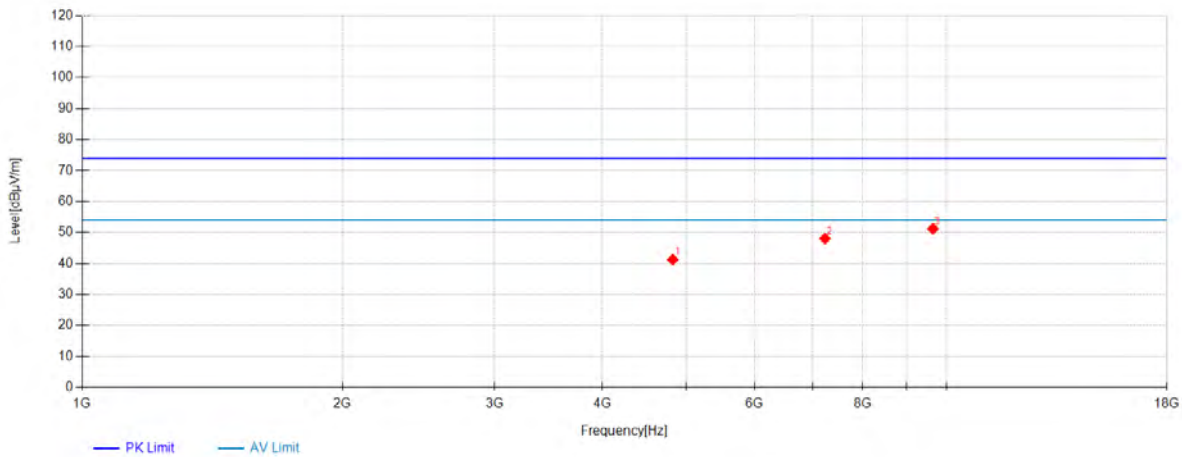


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802.11g\_Channel 1



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4824	53.49	30.70	-42.93	41.26	74.00	32.74	Vertical
2	7236	50.43	36.38	-38.76	48.05	74.00	25.95	Vertical
3	9648	49.11	38.09	-35.97	51.23	74.00	22.77	Vertical

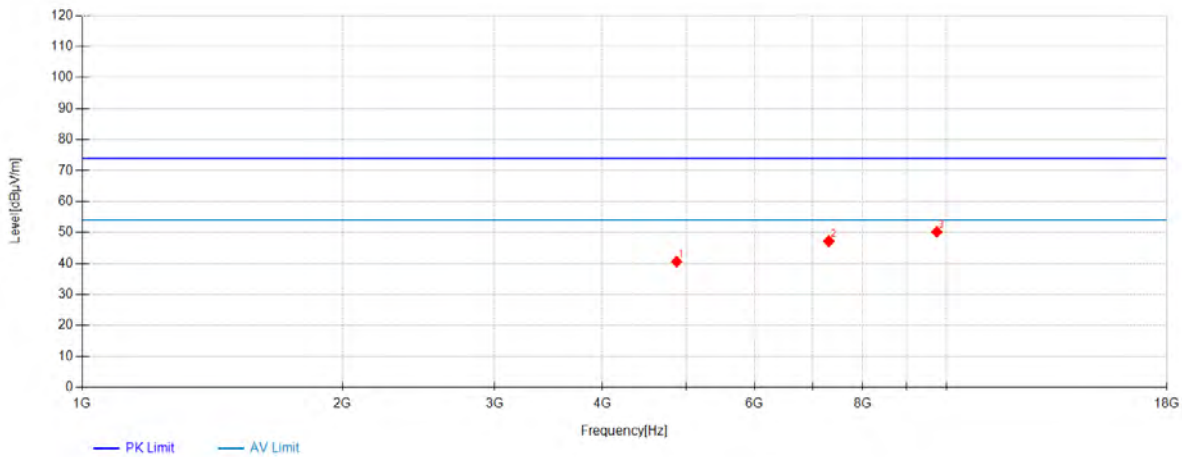


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802.11g\_Channel 6



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4874	52.75	30.74	-42.90	40.59	74.00	33.41	Horizontal
2	7311	49.60	36.42	-38.81	47.21	74.00	26.79	Horizontal
3	9748	47.93	38.30	-36.04	50.19	74.00	23.81	Horizontal



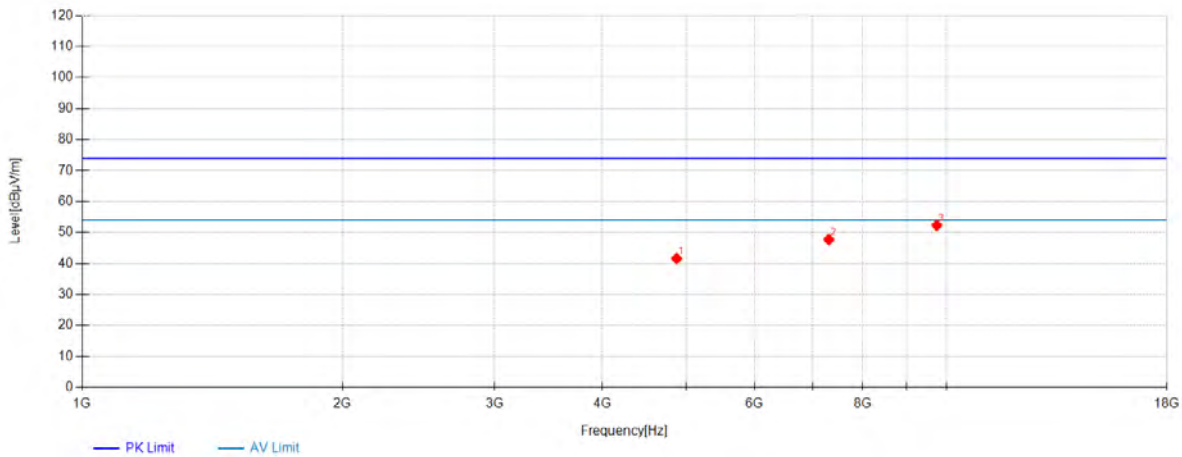
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802.11g\_Channel 6



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4874	53.77	30.74	-42.90	41.61	74.00	32.39	Vertical
2	7311	50.13	36.42	-38.81	47.74	74.00	26.26	Vertical
3	9748	50.08	38.30	-36.04	52.34	74.00	21.66	Vertical

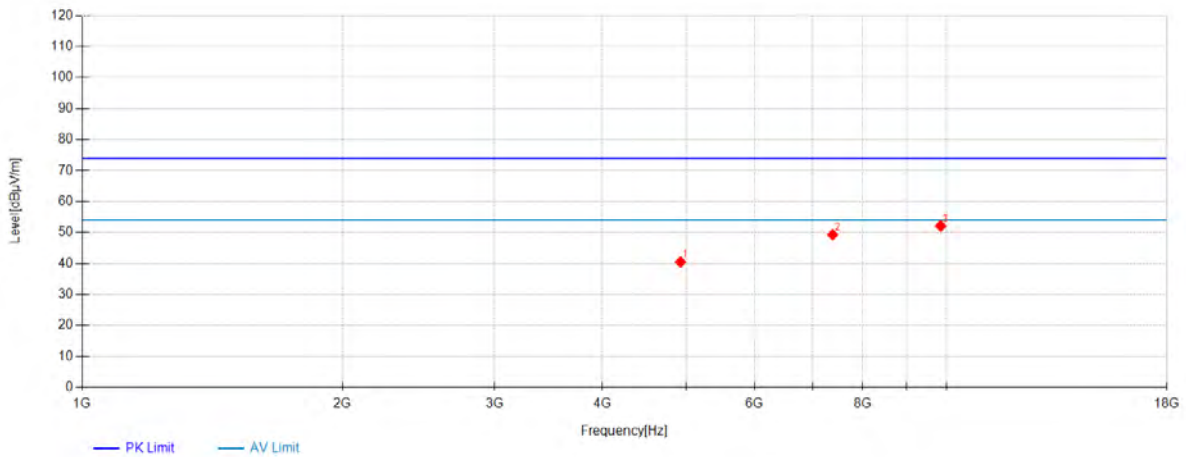


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802.11g\_Channel 11



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4924	52.38	30.95	-42.84	40.49	74.00	33.51	Horizontal
2	7386	51.03	36.64	-38.36	49.31	74.00	24.69	Horizontal
3	9848	49.28	38.21	-35.36	52.13	74.00	21.87	Horizontal

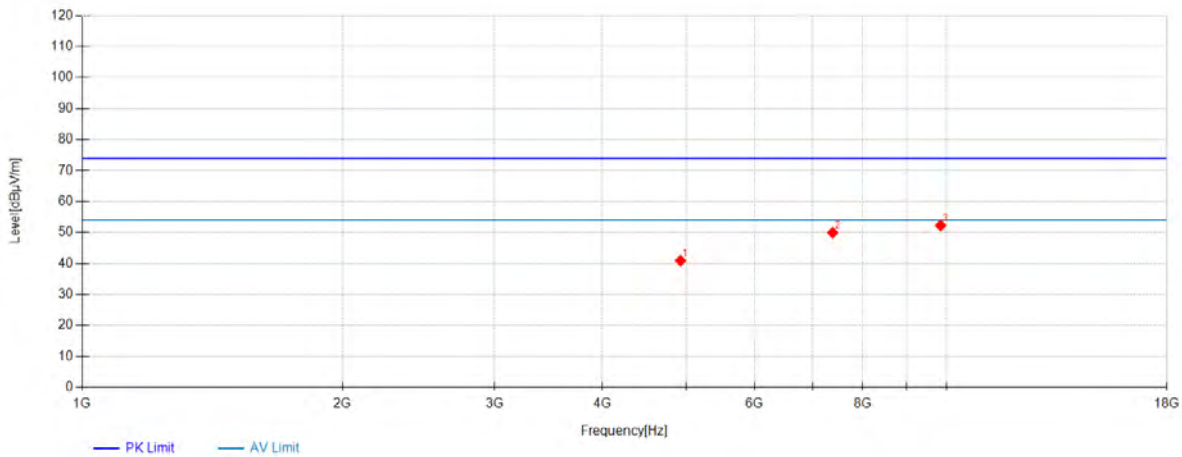


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802.11g\_Channel 11



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4924	52.80	30.95	-42.84	40.91	74.00	33.09	Vertical
2	7386	51.67	36.64	-38.36	49.95	74.00	24.05	Vertical
3	9848	49.44	38.21	-35.36	52.29	74.00	21.71	Vertical

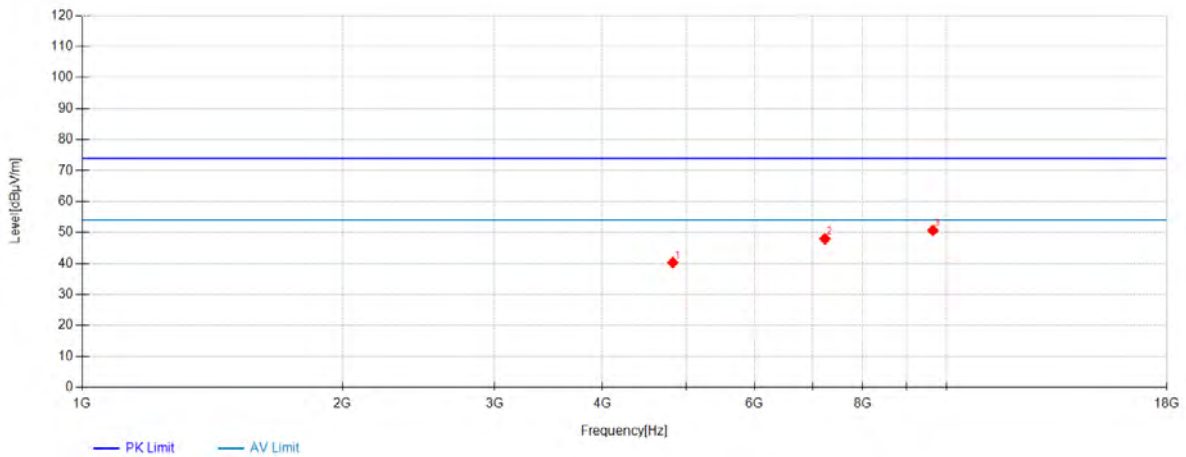


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802.11n20\_Channel 1



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4824	52.53	30.70	-42.93	40.30	74.00	33.70	Horizontal
2	7236	50.33	36.38	-38.76	47.95	74.00	26.05	Horizontal
3	9648	48.56	38.09	-35.97	50.68	74.00	23.32	Horizontal

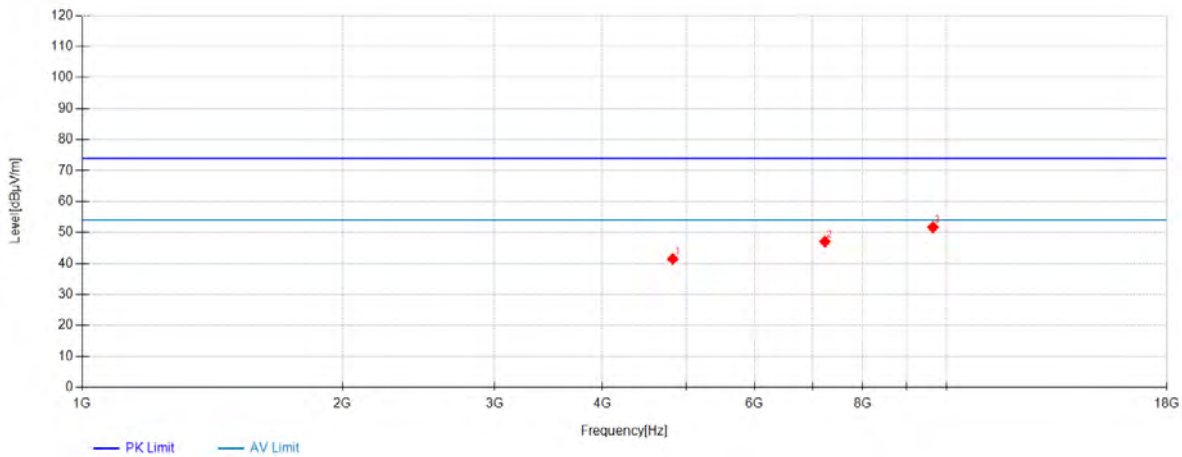


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802.11n20\_Channel 1



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4824	53.70	30.70	-42.93	41.47	74.00	32.53	Vertical
2	7236	49.45	36.38	-38.76	47.07	74.00	26.93	Vertical
3	9648	49.57	38.09	-35.97	51.69	74.00	22.31	Vertical

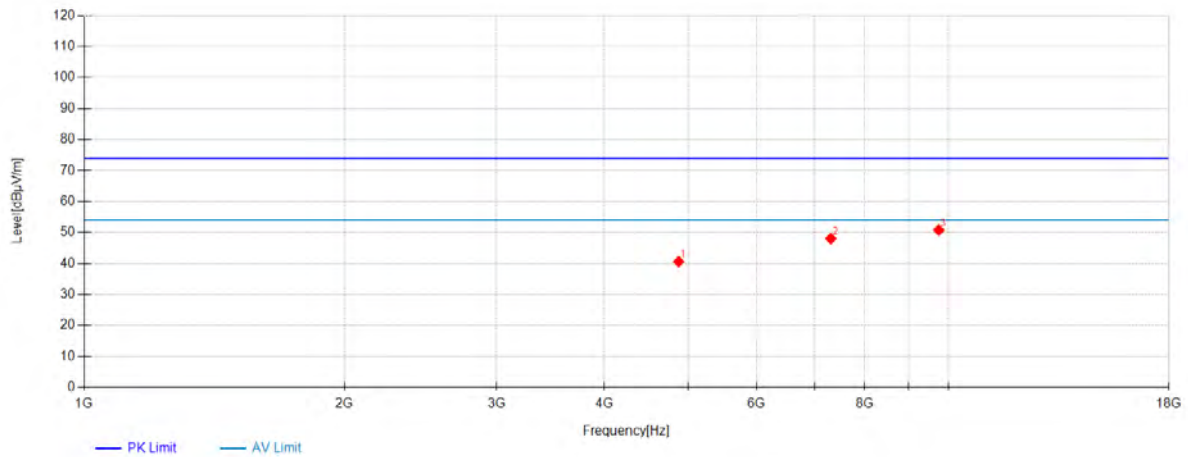


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802.11n20\_Channel 6



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4874	52.78	30.74	-42.90	40.62	74.00	33.38	Horizontal
2	7311	50.45	36.42	-38.81	48.06	74.00	25.94	Horizontal
3	9748	48.55	38.30	-36.04	50.81	74.00	23.19	Horizontal

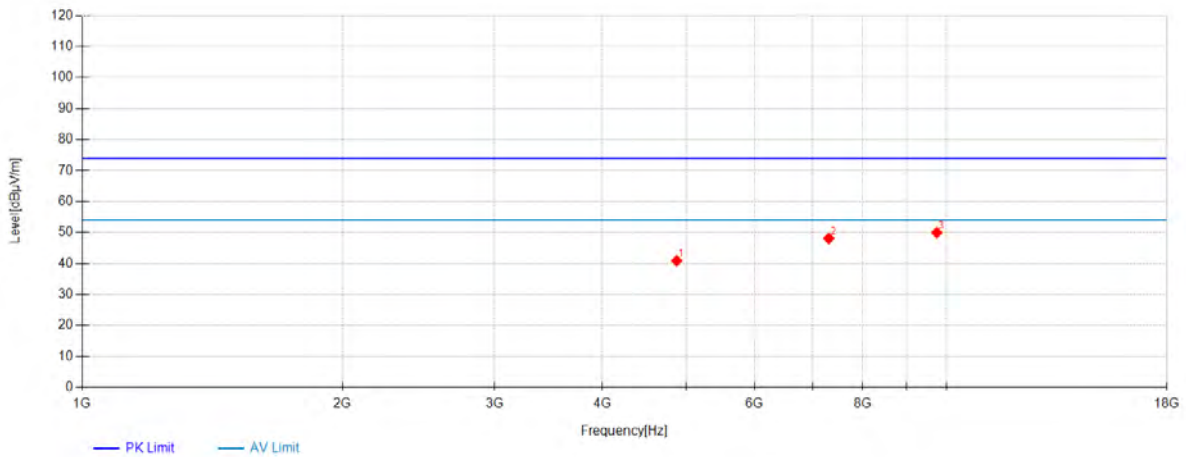


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Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4874	53.05	30.74	-42.90	40.89	74.00	33.11	Vertical
2	7311	50.49	36.42	-38.81	48.10	74.00	25.90	Vertical
3	9748	47.70	38.30	-36.04	49.96	74.00	24.04	Vertical

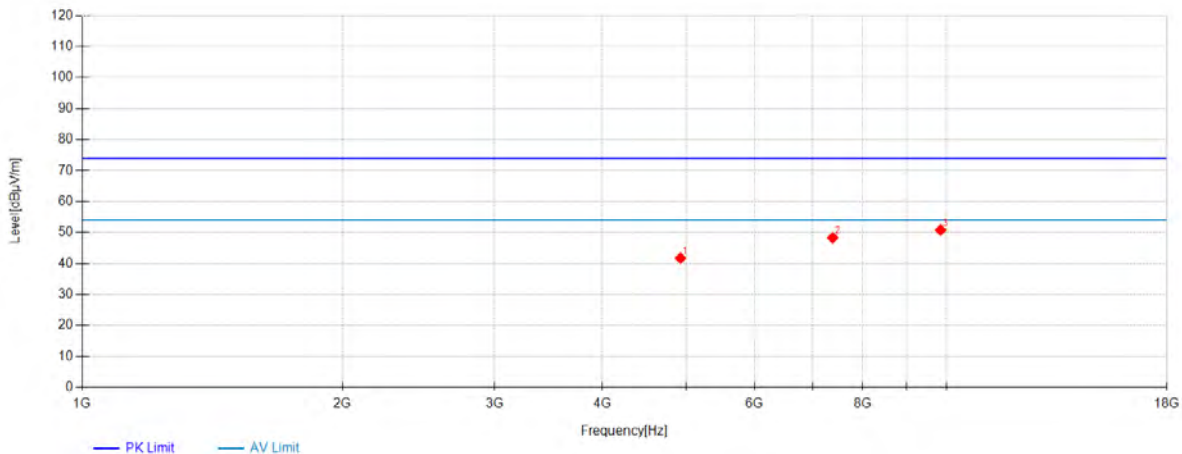


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802.11n20\_Channel 11



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4924	53.63	30.95	-42.84	41.74	74.00	32.26	Horizontal
2	7386	50.04	36.64	-38.36	48.32	74.00	25.68	Horizontal
3	9848	47.96	38.21	-35.36	50.81	74.00	23.19	Horizontal



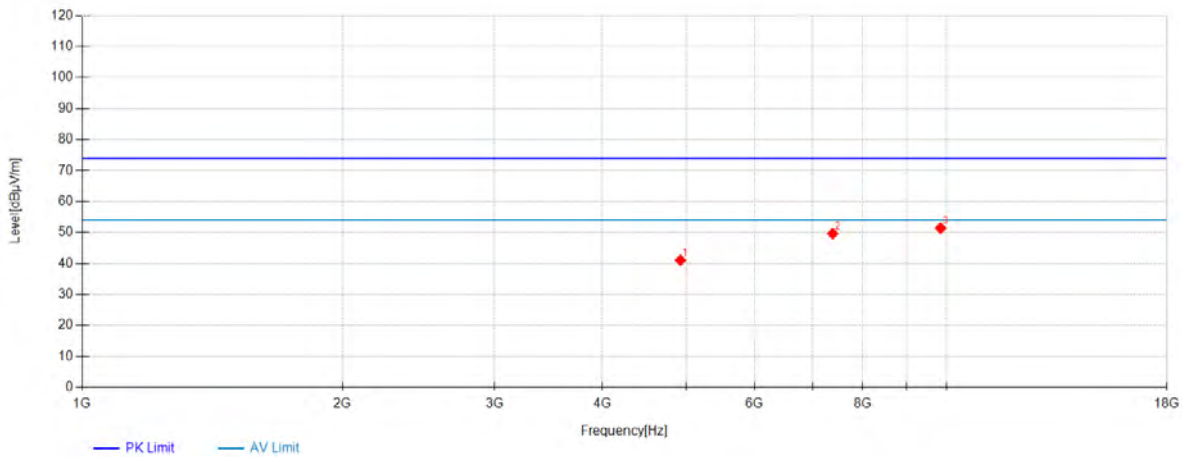
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802.11n20\_Channel 11



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4924	52.94	30.95	-42.84	41.05	74.00	32.95	Vertical
2	7386	51.37	36.64	-38.36	49.65	74.00	24.35	Vertical
3	9848	48.58	38.21	-35.36	51.43	74.00	22.57	Vertical

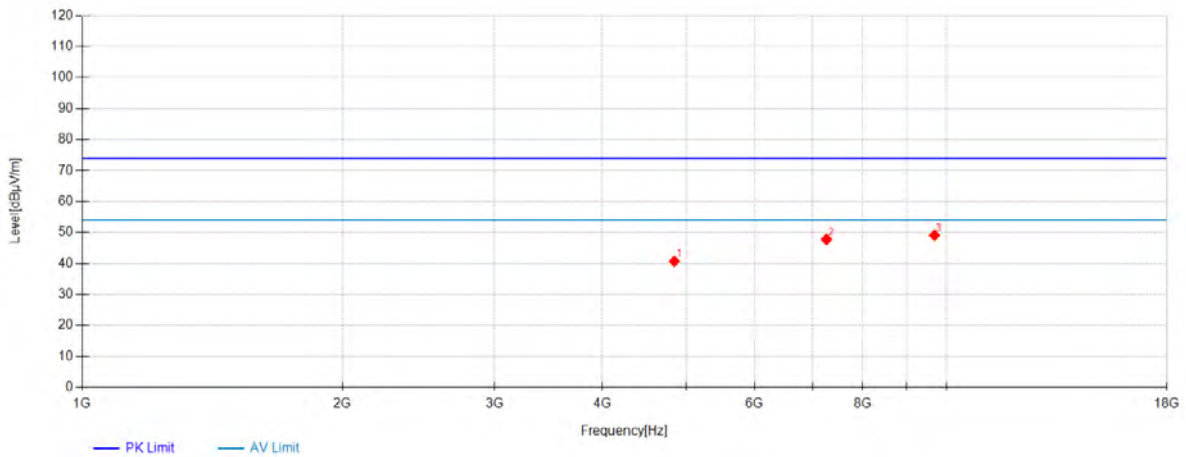


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802.11n40\_Channel 3



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4844	53.02	30.62	-42.92	40.72	74.00	33.28	Horizontal
2	7266	50.27	36.33	-38.82	47.78	74.00	26.22	Horizontal
3	9688	47.21	38.18	-36.25	49.14	74.00	24.86	Horizontal

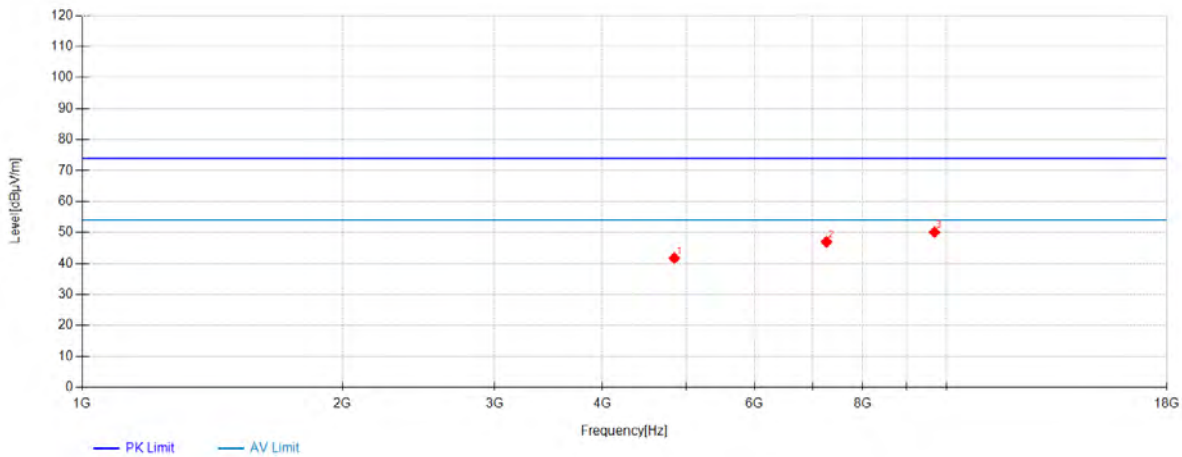


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802.11n40\_Channel 3



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4844	54.04	30.62	-42.92	41.74	74.00	32.26	Vertical
2	7266	49.49	36.33	-38.82	47.00	74.00	27.00	Vertical
3	9688	48.17	38.18	-36.25	50.10	74.00	23.90	Vertical

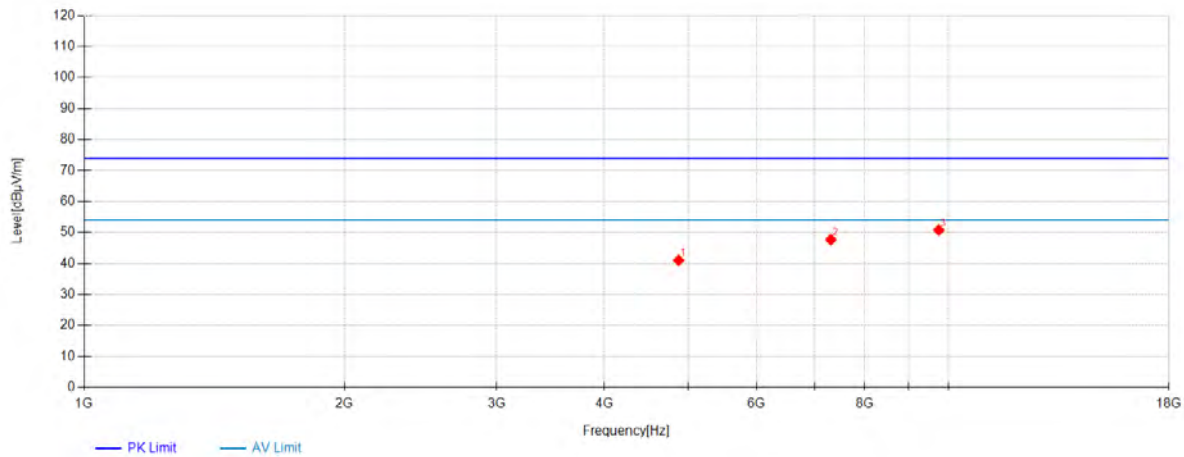


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802.11n40\_Channel 6



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4874	53.16	30.74	-42.90	41.00	74.00	33.00	Horizontal
2	7311	50.10	36.42	-38.81	47.71	74.00	26.29	Horizontal
3	9748	48.55	38.30	-36.04	50.81	74.00	23.19	Horizontal

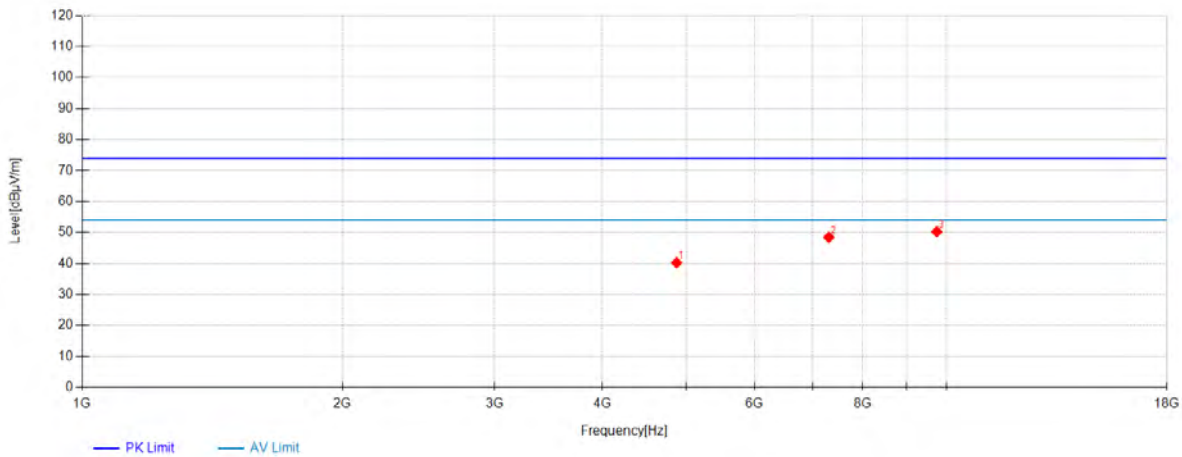


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802.11n40\_Channel 6



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4874	52.41	30.74	-42.90	40.25	74.00	33.75	Vertical
2	7311	50.86	36.42	-38.81	48.47	74.00	25.53	Vertical
3	9748	48.02	38.30	-36.04	50.28	74.00	23.72	Vertical

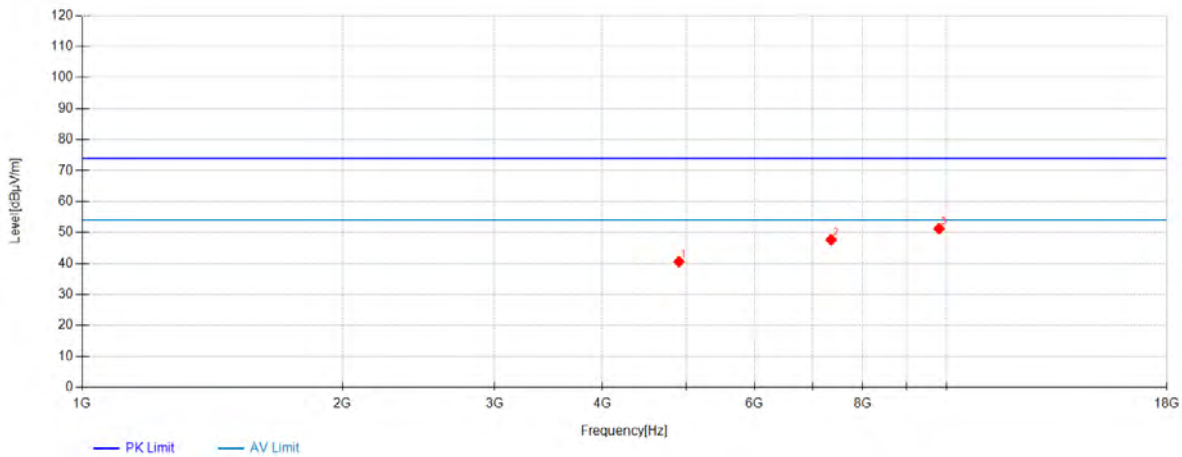


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802.11n40\_Channel 9



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4904	52.56	30.91	-42.87	40.60	74.00	33.40	Horizontal
2	7356	49.70	36.52	-38.54	47.68	74.00	26.32	Horizontal
3	9808	48.48	38.45	-35.67	51.26	74.00	22.74	Horizontal

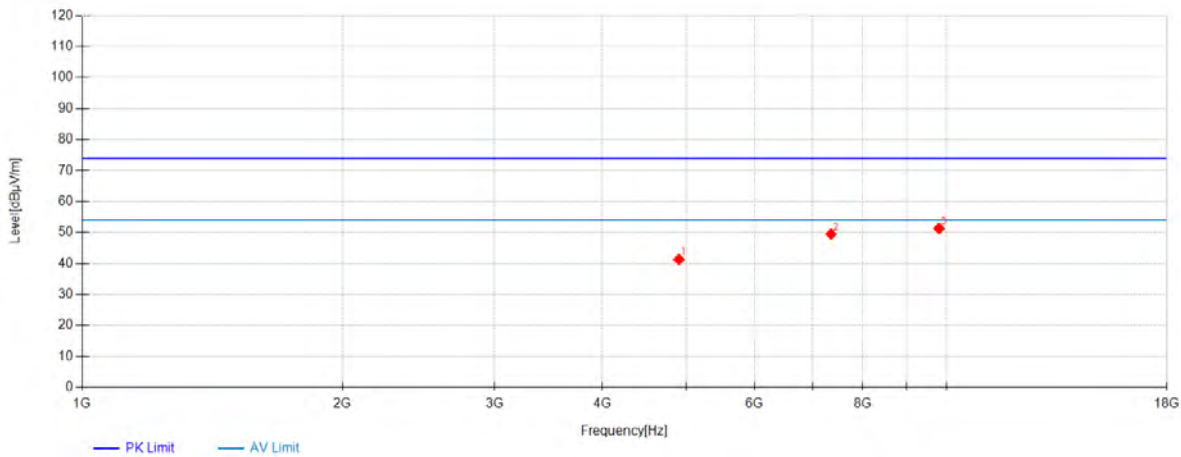


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802.11n40\_Channel 9



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4904	53.29	30.91	-42.87	41.33	74.00	32.67	Vertical
2	7356	51.52	36.52	-38.54	49.50	74.00	24.50	Vertical
3	9808	48.55	38.45	-35.67	51.33	74.00	22.67	Vertical

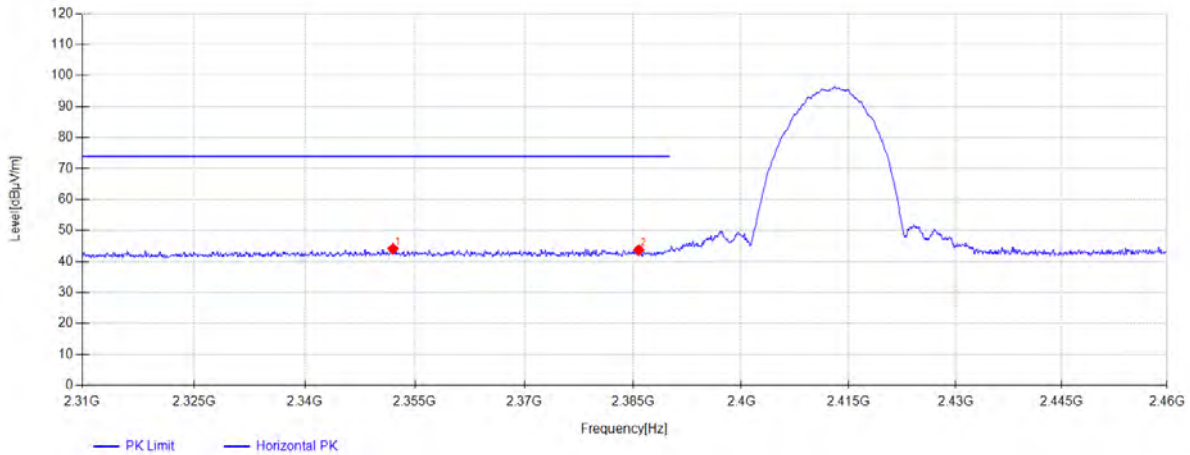
Remark:

- The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier gain. The basic equation with a sample calculation is as follows:  
 Level = Reading(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)
- All channels have been tested, but only the worst case data displayed in this report.
- 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	2352.021	39.61	27.59	-23.08	44.12	74.00	29.88	Horizontal
2	2385.7879	39.29	27.46	-23.02	43.73	74.00	30.27	Horizontal

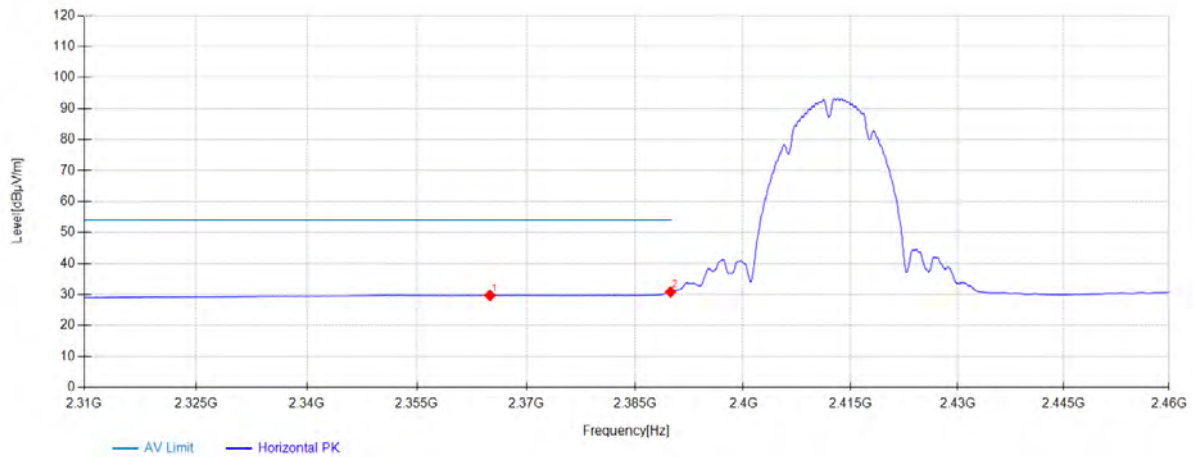


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802.11b\_Channel 1



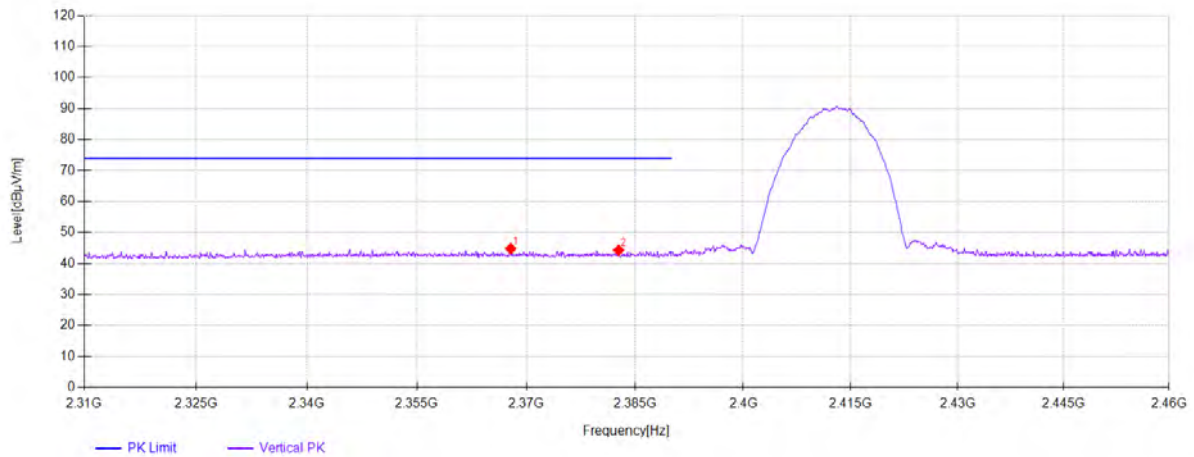
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2365.0025	25.22	27.54	-23.06	29.70	54.00	24.30	Horizontal
2	2389.915	26.44	27.44	-23.02	30.86	54.00	23.14	Horizontal



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802.11b\_Channel 1



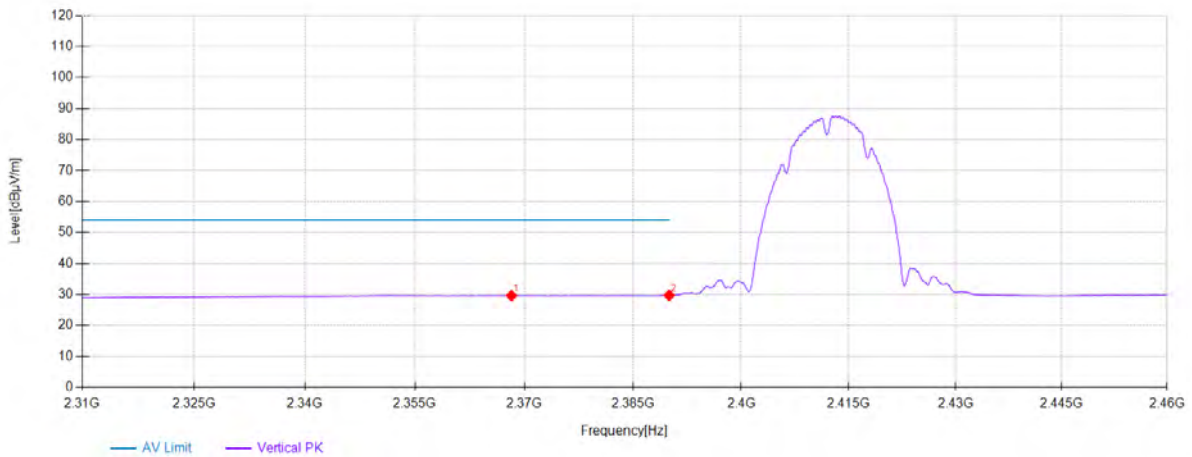
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2367.8539	40.33	27.53	-23.05	44.81	74.00	29.19	Vertical
2	2382.7114	39.85	27.47	-23.03	44.29	74.00	29.71	Vertical



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802.11b\_Channel 1



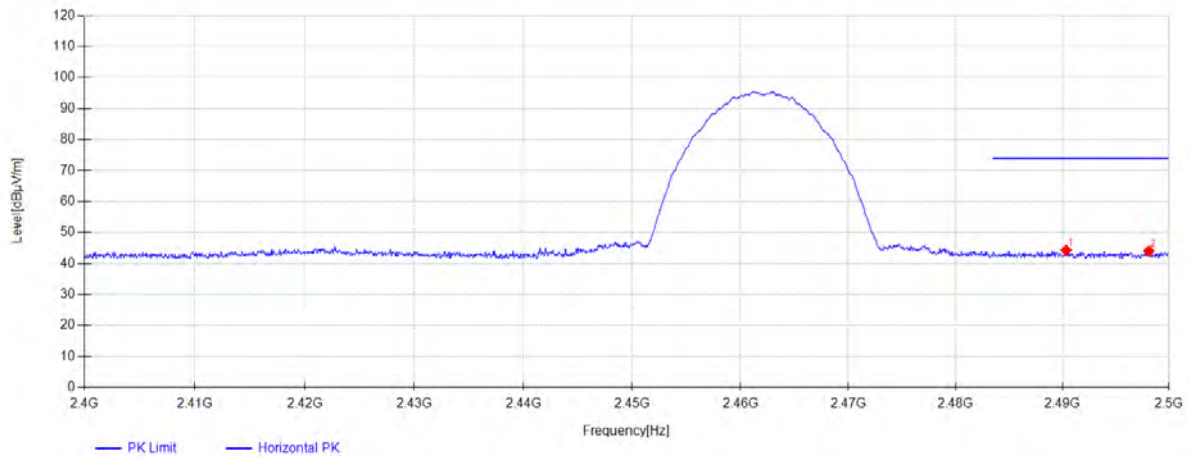
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2368.2291	25.14	27.53	-23.05	29.62	54.00	24.38	Vertical
2	2389.99	25.31	27.44	-23.02	29.73	54.00	24.27	Vertical



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802.11b\_Channel 11



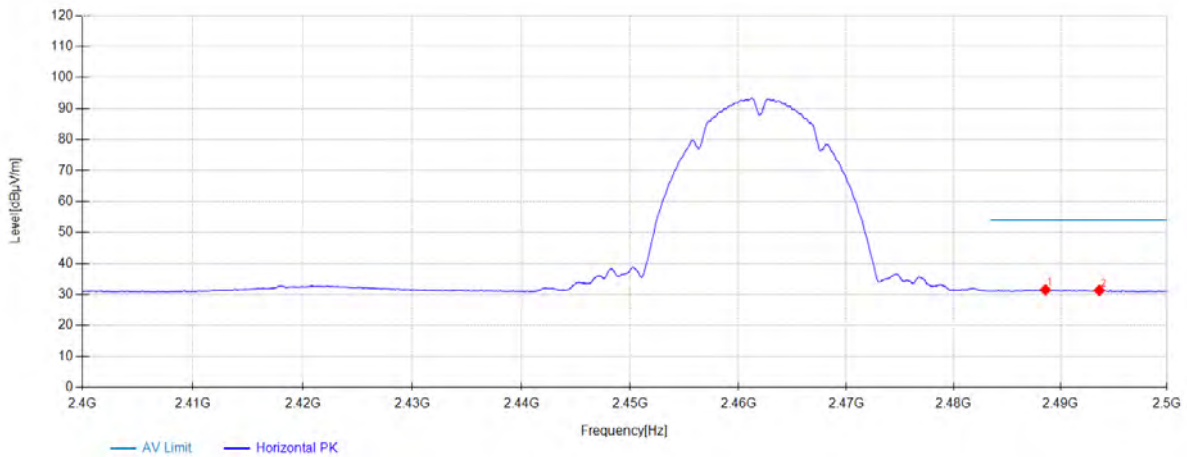
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1	2490.3452	39.66	27.76	-23.13	44.29	74.00	29.71	Horizontal
2	2498.099	39.33	27.79	-23.14	43.98	74.00	30.02	Horizontal



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802.11b\_Channel 11

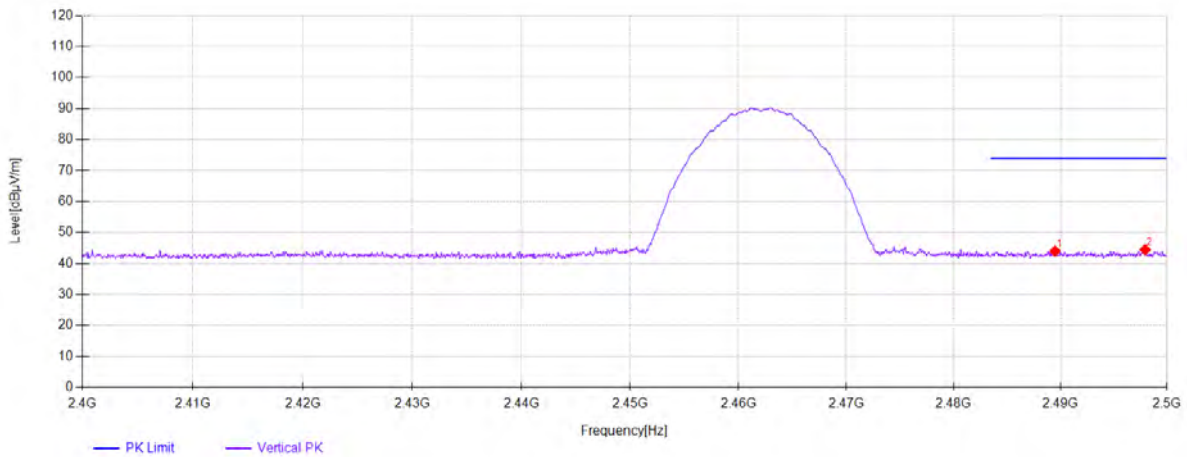


Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2488.5943	26.89	27.75	-23.12	31.52	54.00	22.48	Horizontal
2	2493.6468	26.69	27.77	-23.13	31.33	54.00	22.67	Horizontal



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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	2489.4947	39.37	27.76	-23.13	44.00	74.00	30.00	Vertical
2	2497.949	39.84	27.79	-23.14	44.49	74.00	29.51	Vertical

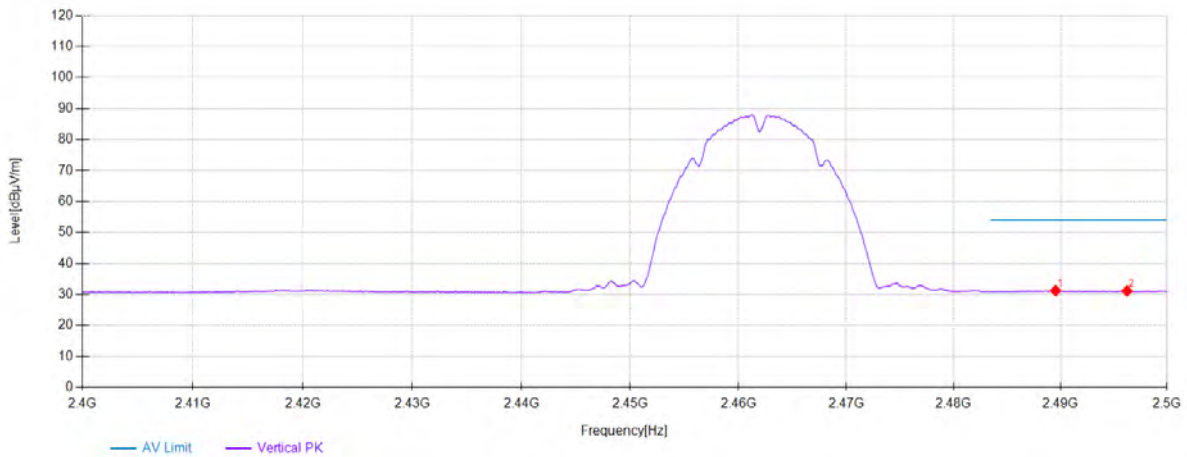


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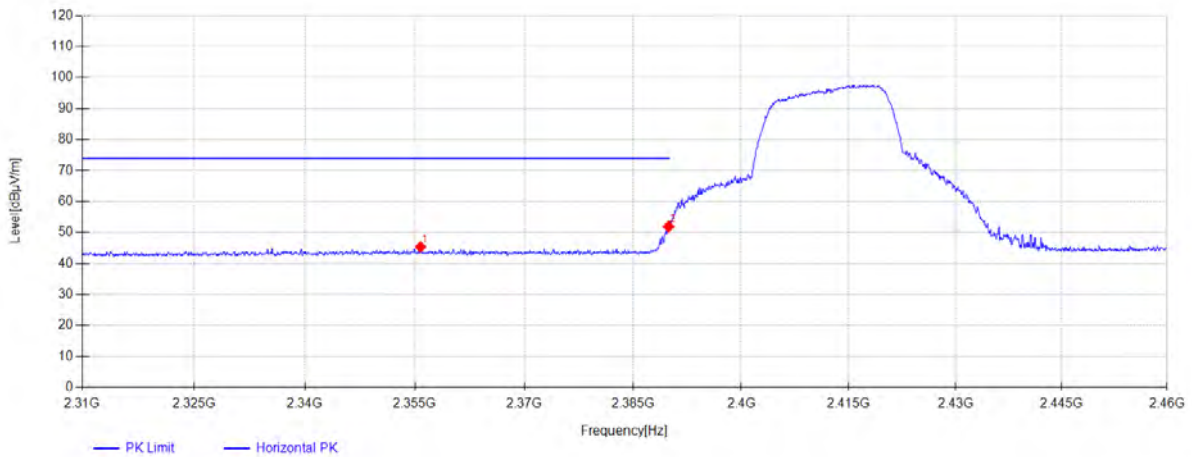


Data List								
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1	2489.5448	26.62	27.76	-23.13	31.25	54.00	22.75	Vertical
2	2496.2481	26.49	27.78	-23.13	31.14	54.00	22.86	Vertical



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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	2355.7729	40.86	27.58	-23.07	45.37	74.00	28.63	Horizontal
2	2389.915	47.53	27.44	-23.02	51.95	74.00	22.05	Horizontal



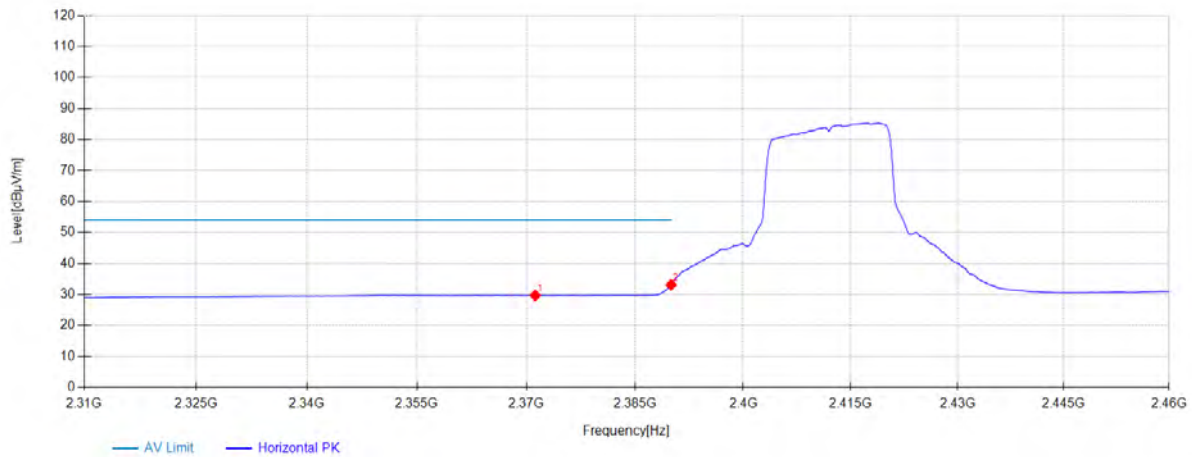
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802.11g\_Channel 1



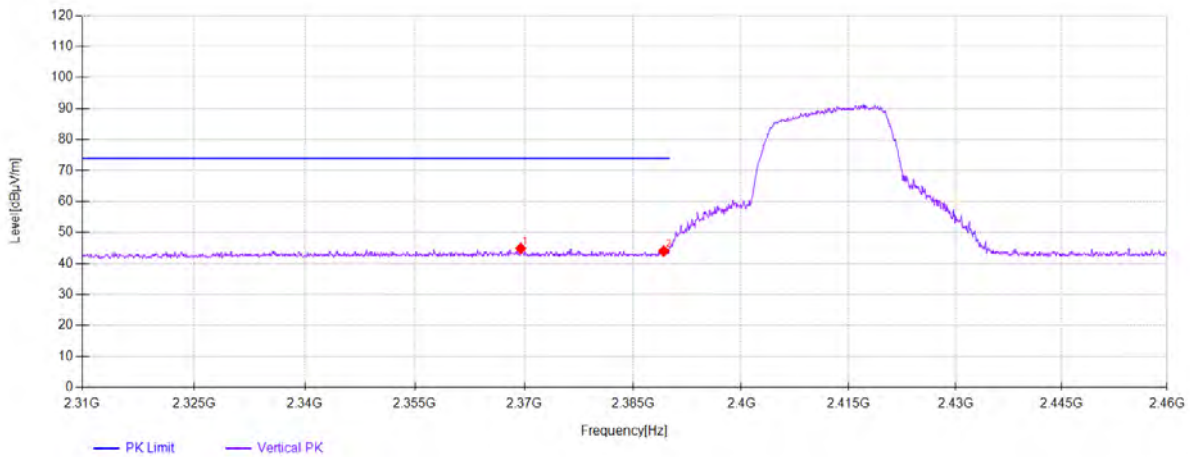
Data List								
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1	2371.2306	25.24	27.52	-23.05	29.71	54.00	24.29	Horizontal
2	2389.99	28.73	27.44	-23.02	33.15	54.00	20.85	Horizontal



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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	2369.5048	40.39	27.52	-23.05	44.86	74.00	29.14	Vertical
2	2389.2396	39.59	27.44	-23.02	44.01	74.00	29.99	Vertical

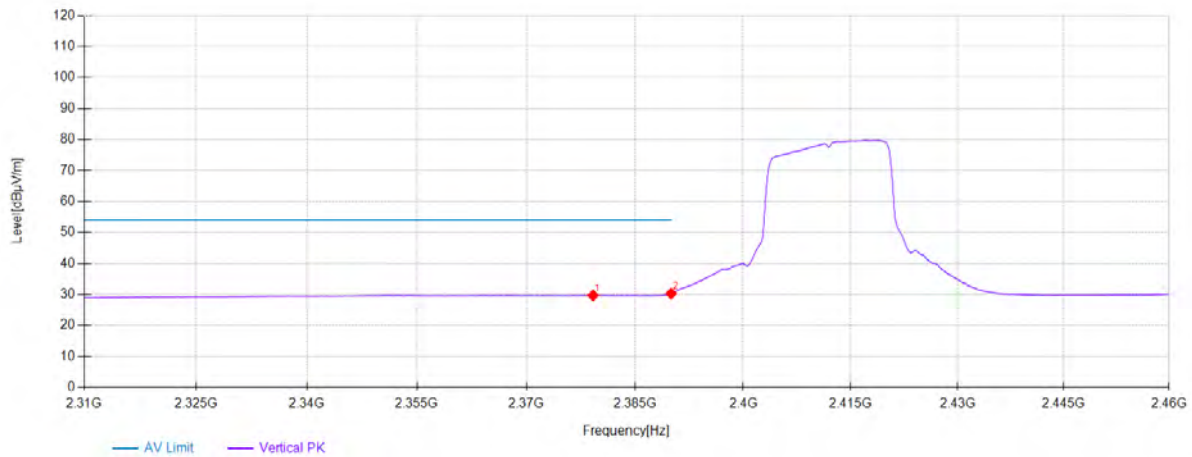


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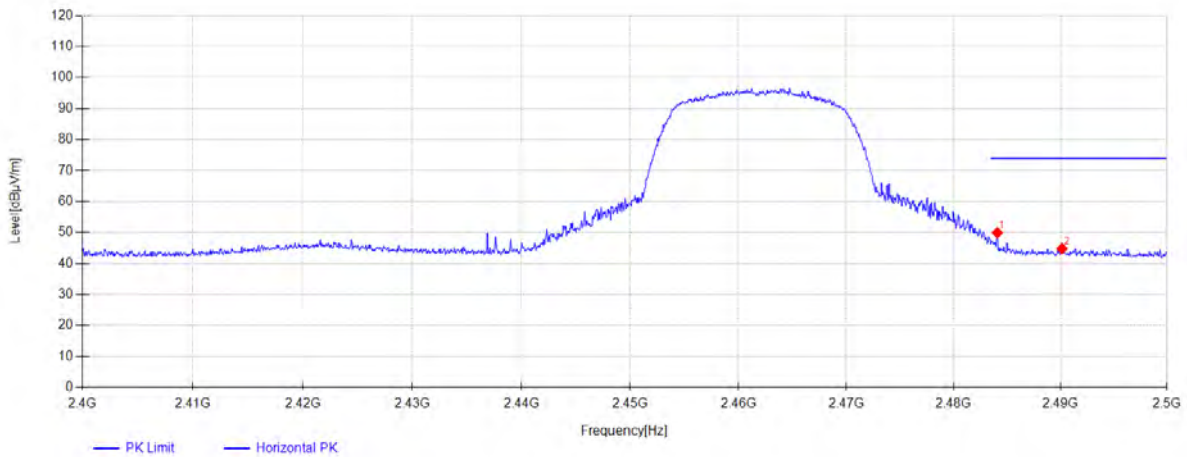
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1	2379.1846	25.25	27.48	-23.03	29.70	54.00	24.30	Vertical
2	2389.99	25.87	27.44	-23.02	30.29	54.00	23.71	Vertical



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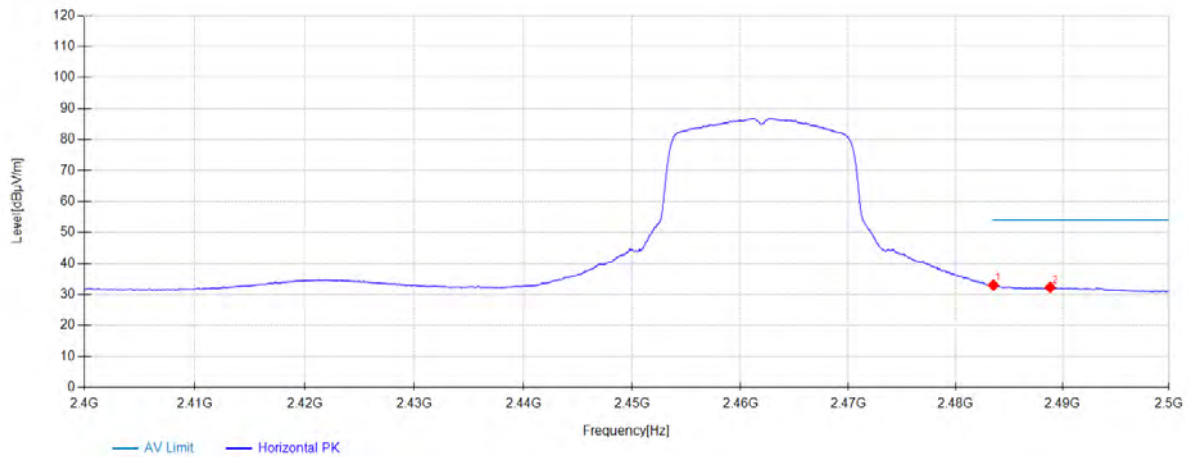


Data List								
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1	2484.092	45.31	27.74	-23.12	49.93	74.00	24.07	Horizontal
2	2490.1451	40.19	27.76	-23.13	44.82	74.00	29.18	Horizontal



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NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2483.5418	28.39	27.73	-23.12	33.00	54.00	21.00	Horizontal
2	2488.8444	27.65	27.76	-23.12	32.29	54.00	21.71	Horizontal

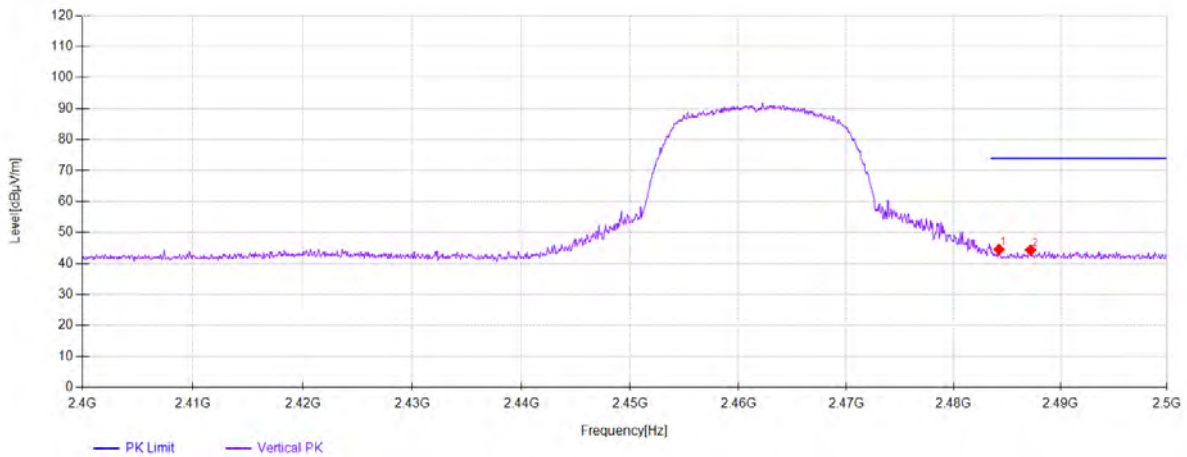


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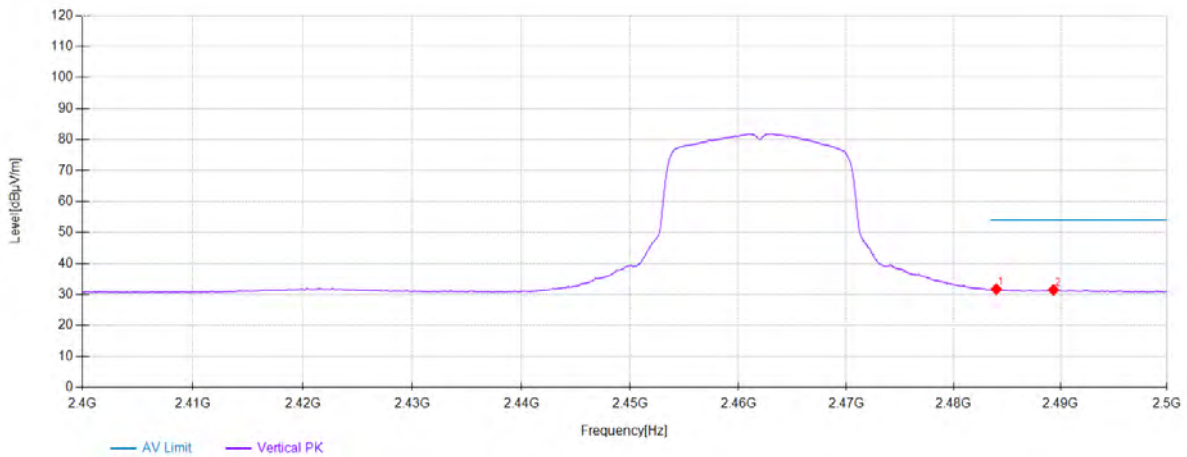
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2484.2421	39.95	27.74	-23.12	44.57	74.00	29.43	Vertical
2	2487.1936	39.73	27.75	-23.12	44.36	74.00	29.64	Vertical



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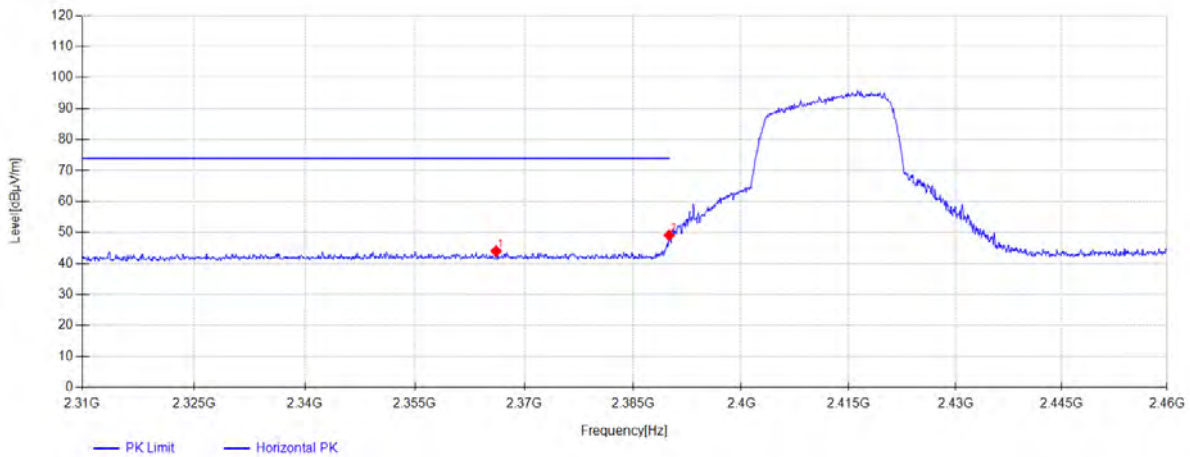
Data List								
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1	2483.992	27.08	27.74	-23.12	31.70	54.00	22.30	Vertical
2	2489.3447	26.86	27.76	-23.13	31.49	54.00	22.51	Vertical



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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	2366.1281	39.50	27.54	-23.05	43.99	74.00	30.01	Horizontal
2	2389.99	44.72	27.44	-23.02	49.14	74.00	24.86	Horizontal

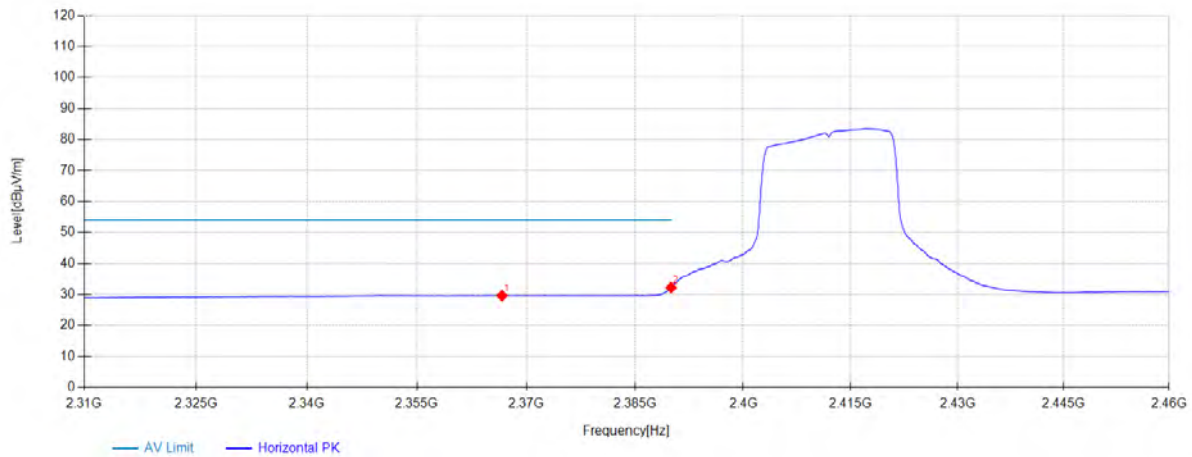


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802.11n20\_Channel 1



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2366.6533	25.16	27.53	-23.05	29.64	54.00	24.36	Horizontal
2	2389.99	27.83	27.44	-23.02	32.25	54.00	21.75	Horizontal

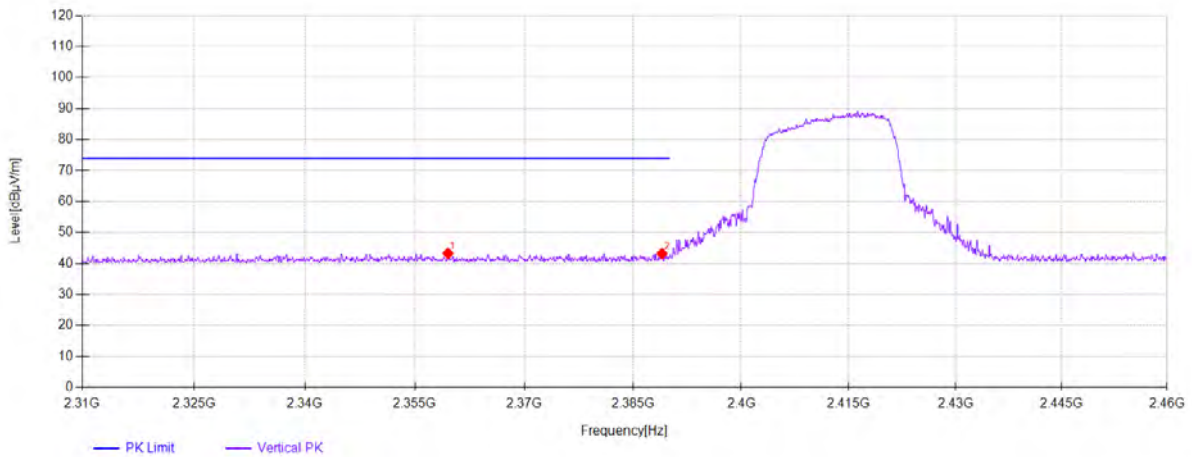


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802.11n20\_Channel 1

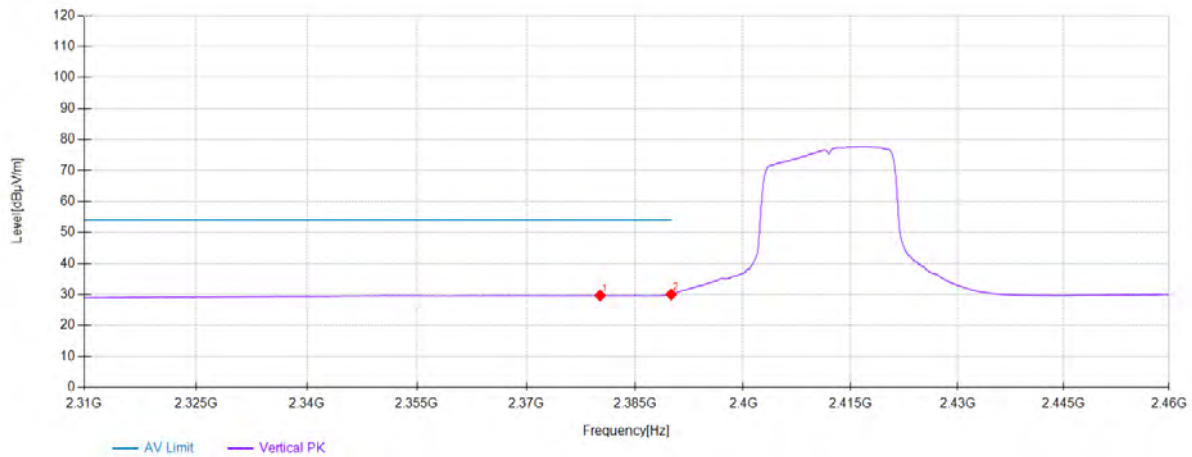


Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2359.5248	38.74	27.56	-23.06	43.24	74.00	30.76	Vertical
2	2389.0145	38.77	27.44	-23.02	43.19	74.00	30.81	Vertical



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Data List								
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1	2380.1601	25.22	27.48	-23.03	29.67	54.00	24.33	Vertical
2	2389.99	25.60	27.44	-23.02	30.02	54.00	23.98	Vertical

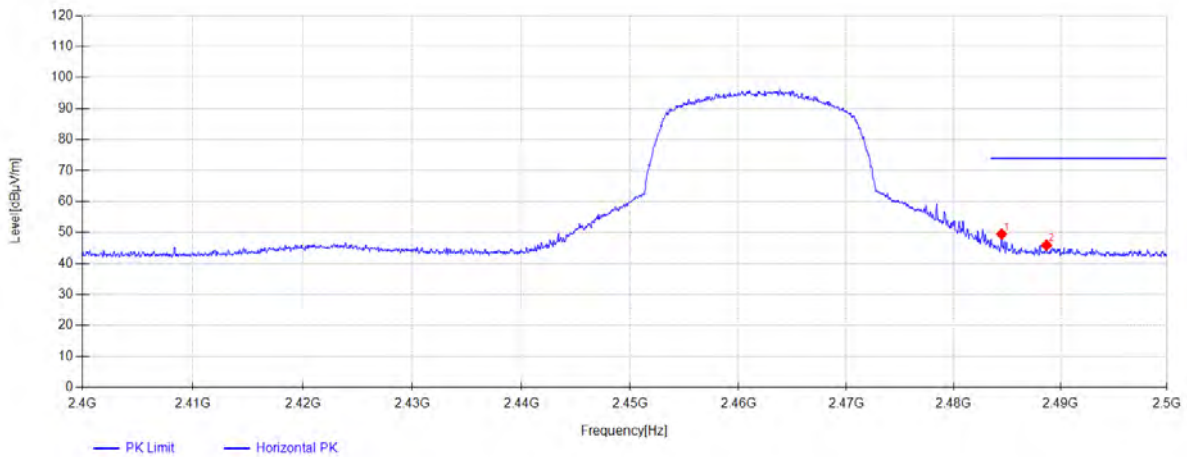


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802.11n20\_Channel 11

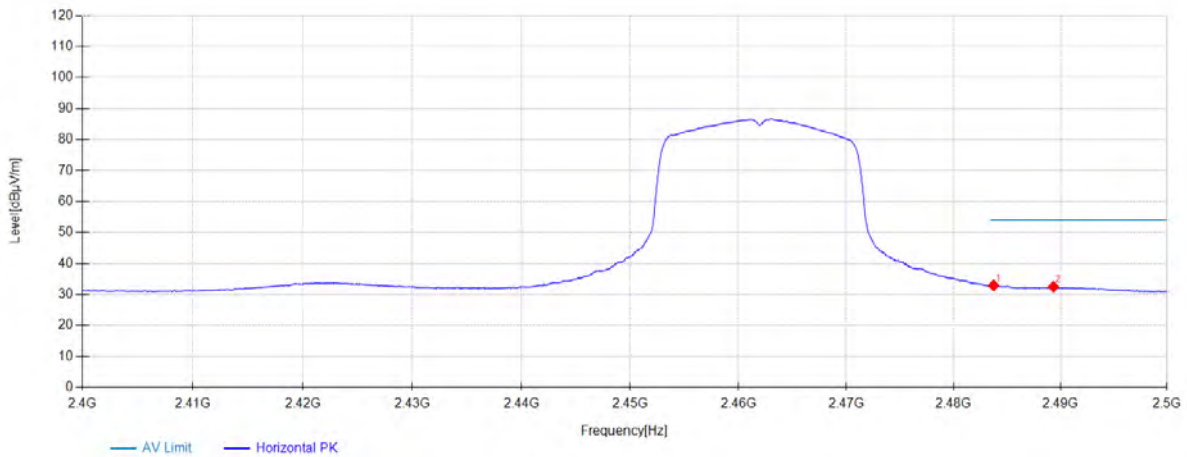


Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2484.4922	44.87	27.74	-23.12	49.49	74.00	24.51	Horizontal
2	2488.6943	41.26	27.75	-23.12	45.89	74.00	28.11	Horizontal



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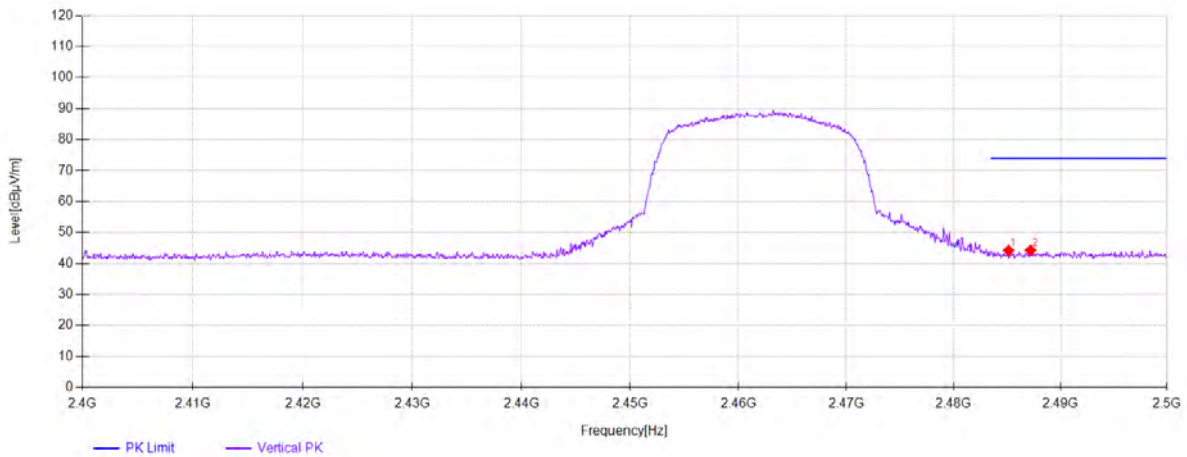
Data List								
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1	2483.7419	28.31	27.73	-23.12	32.92	54.00	21.08	Horizontal
2	2489.3447	27.86	27.76	-23.13	32.49	54.00	21.51	Horizontal



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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	2485.1426	39.58	27.74	-23.12	44.20	74.00	29.80	Vertical
2	2487.1936	39.63	27.75	-23.12	44.26	74.00	29.74	Vertical

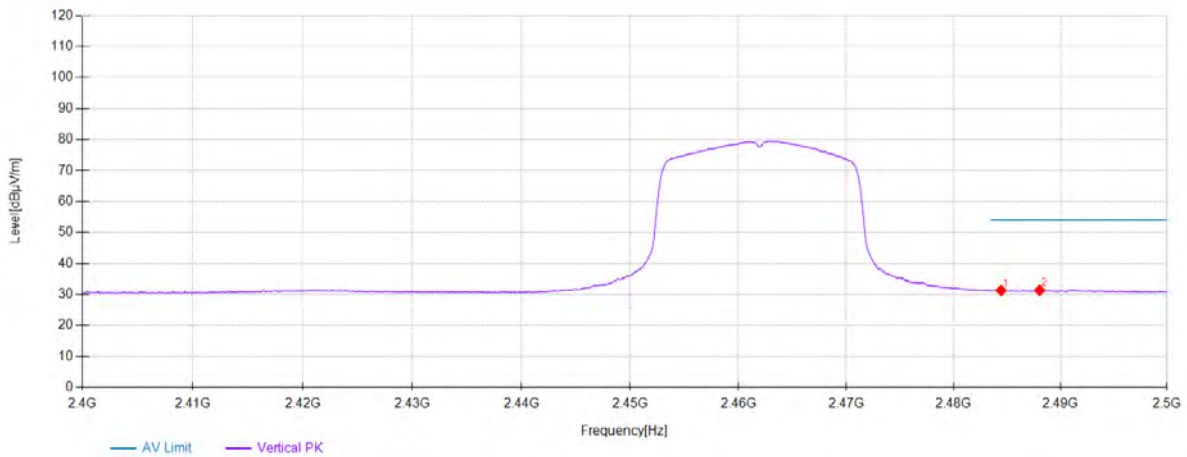


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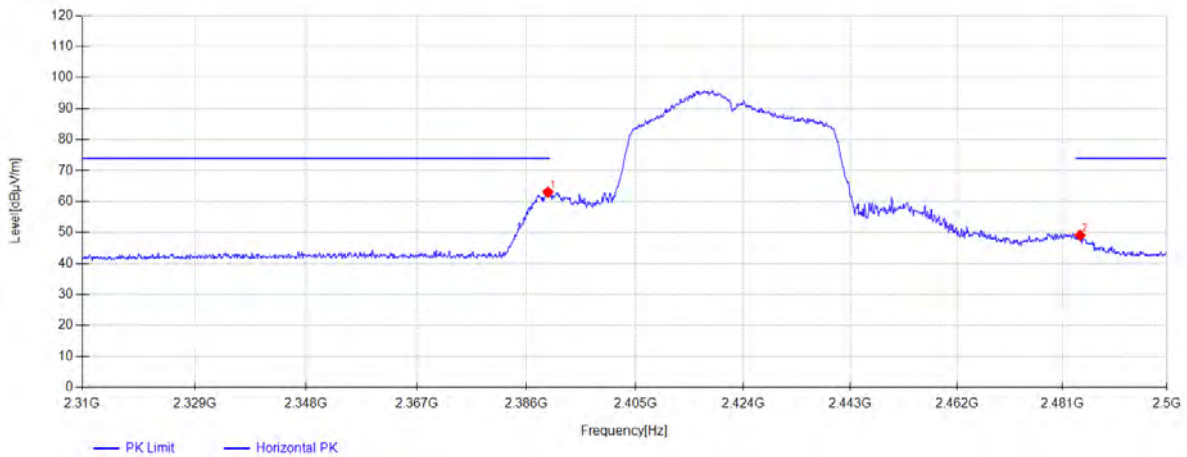
Data List								
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1	2484.4422	26.69	27.74	-23.12	31.31	54.00	22.69	Vertical
2	2488.044	26.73	27.75	-23.12	31.36	54.00	22.64	Vertical



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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	2389.7449	58.60	27.44	-23.02	63.02	74.00	10.98	Horizontal
2	2484.2221	44.52	27.74	-23.12	49.14	74.00	24.86	Horizontal

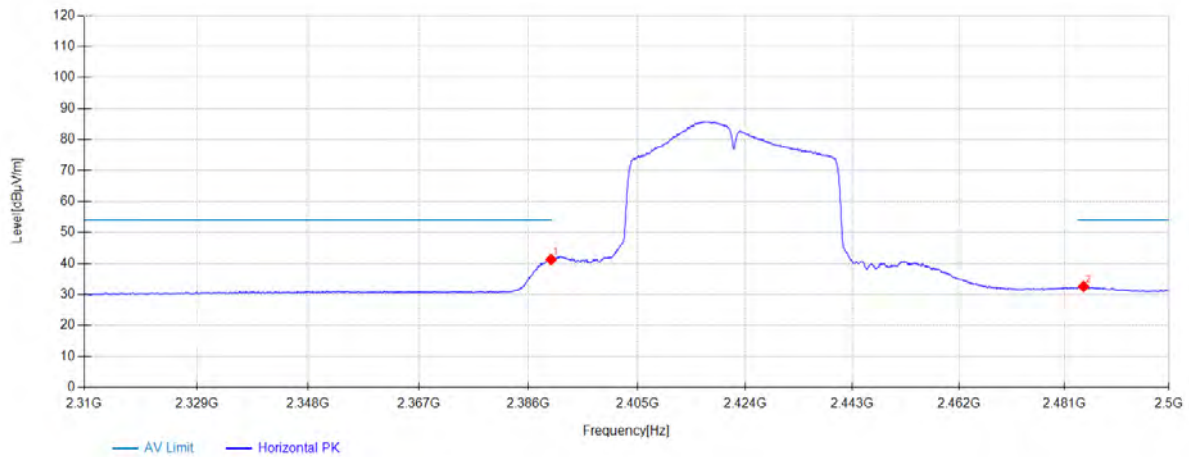


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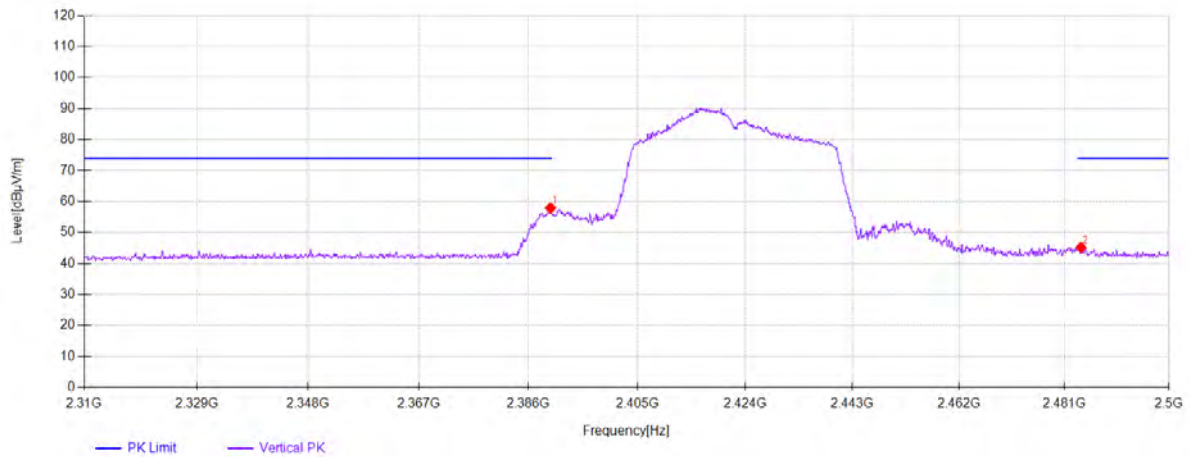
Data List								
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1	2389.935	36.85	27.44	-23.02	41.27	54.00	12.73	Horizontal
2	2484.5073	27.97	27.74	-23.12	32.59	54.00	21.41	Horizontal



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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	2389.8399	53.46	27.44	-23.02	57.88	74.00	16.12	Vertical
2	2484.032	40.56	27.74	-23.12	45.18	74.00	28.82	Vertical



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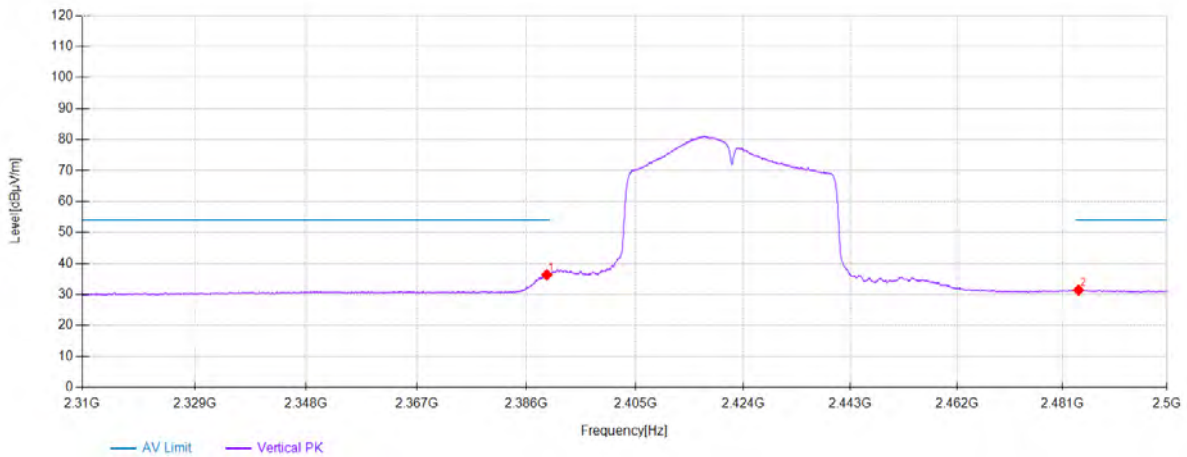
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Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2389.5548	31.95	27.44	-23.02	36.37	54.00	17.63	Vertical
2	2483.937	26.80	27.74	-23.12	31.42	54.00	22.58	Vertical

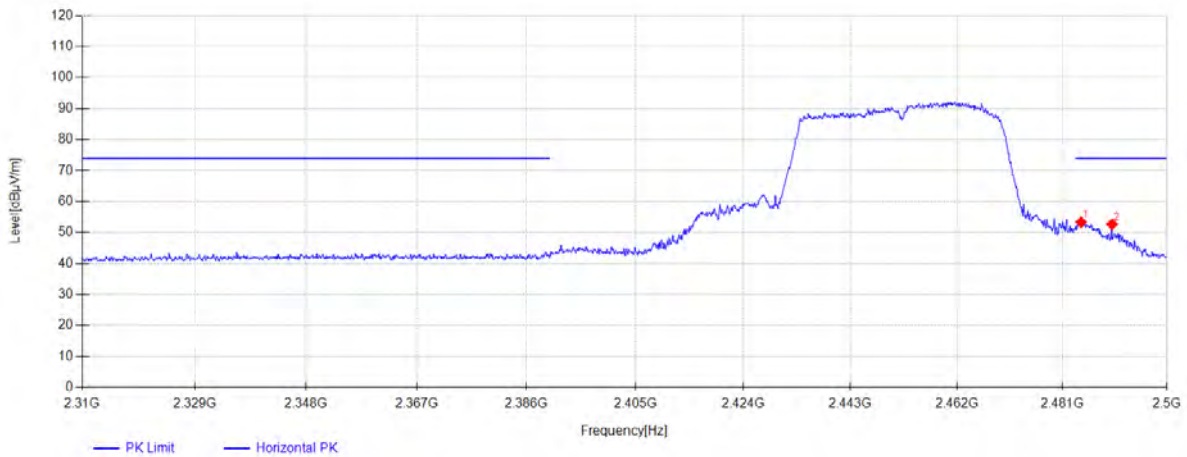


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802.11n40\_Channel 9



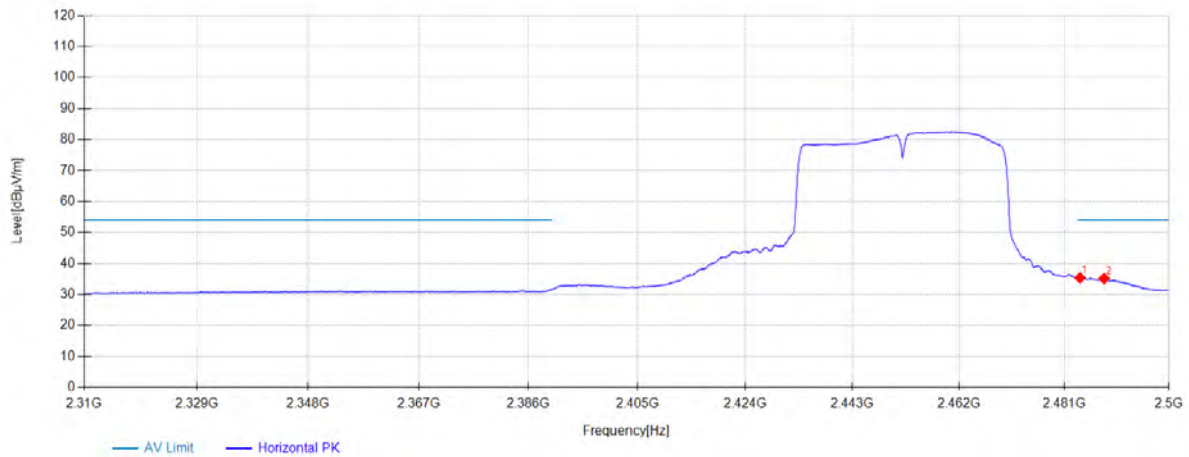
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2484.4122	48.72	27.74	-23.12	53.34	74.00	20.66	Horizontal
2	2490.02	48.05	27.76	-23.13	52.68	74.00	21.32	Horizontal



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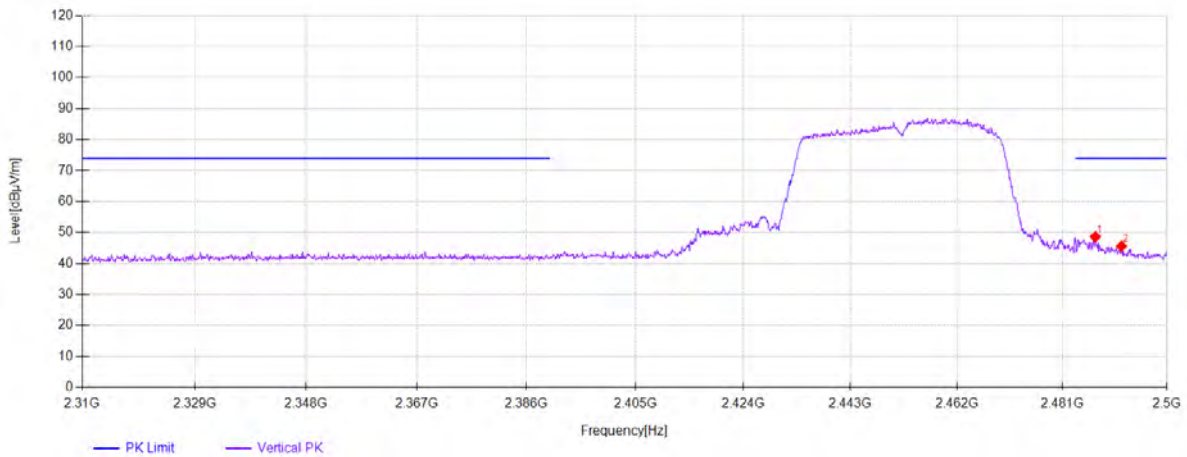
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2483.8419	30.79	27.74	-23.12	35.41	54.00	18.59	Horizontal
2	2488.2141	30.53	27.75	-23.12	35.16	54.00	18.84	Horizontal



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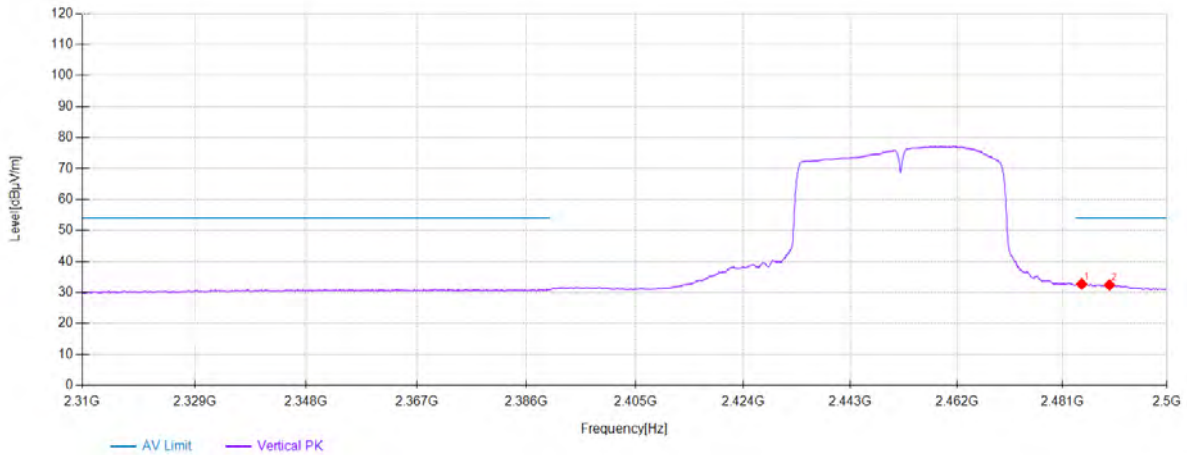


Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2486.9785	44.00	27.75	-23.12	48.63	74.00	25.37	Vertical
2	2491.7309	40.94	27.77	-23.13	45.58	74.00	28.42	Vertical



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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	2484.5073	28.12	27.74	-23.12	32.74	54.00	21.26	Vertical
2	2489.5448	27.80	27.76	-23.13	32.43	54.00	21.57	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:

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

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

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

$$\text{Margin} = \text{Limit}(\text{dB}\mu\text{V}/\text{m}) - \text{Level}(\text{dB}\mu\text{V}/\text{m})$$

2) Both peak and average measured complies with the limit line, so test result is "PASS"

---End of Report---

