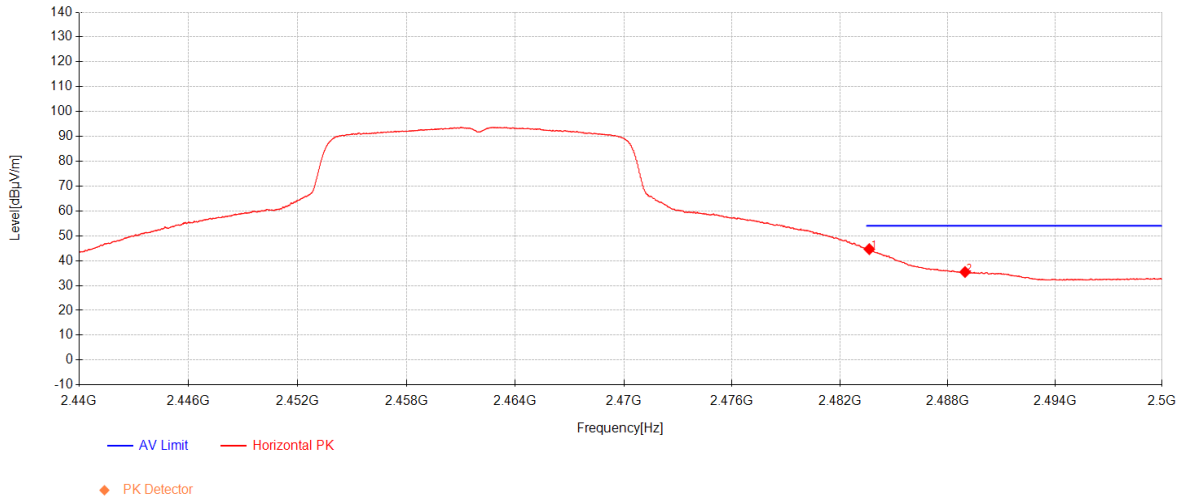


802.11g\_Channel 11



Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2483.635	40.73	27.87	-23.96	44.64	54.00	9.36	266	124	Horizontal
2	2488.975	31.49	27.88	-23.93	35.44	54.00	18.56	266	124	Horizontal

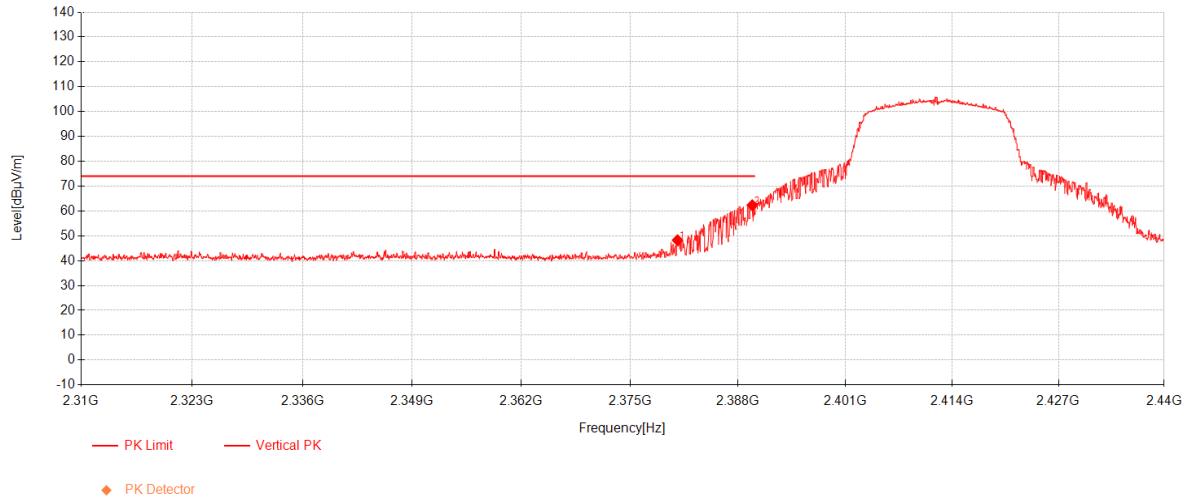


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802.11n20\_Channel 01



Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2380.72	45.02	27.66	-24.44	48.24	74.00	25.76	114	68	Vertical
2	2389.7225	59.04	27.68	-24.42	62.30	74.00	11.70	114	68	Vertical



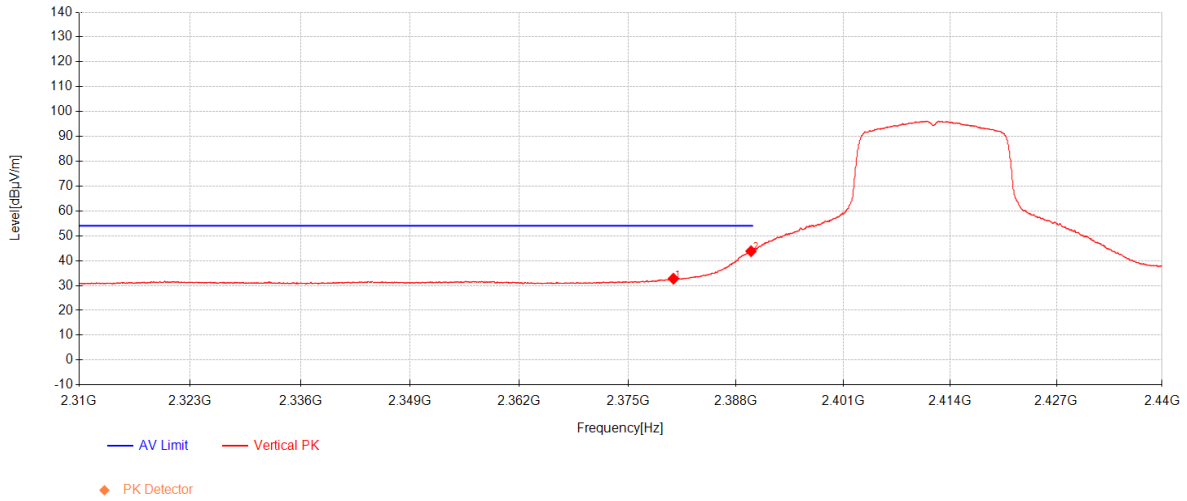
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802.11n20\_Channel 01



Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2380.46	29.52	27.66	-24.44	32.74	54.00	21.26	114	68	Vertical
2	2389.82	40.56	27.68	-24.42	43.82	54.00	10.18	114	68	Vertical



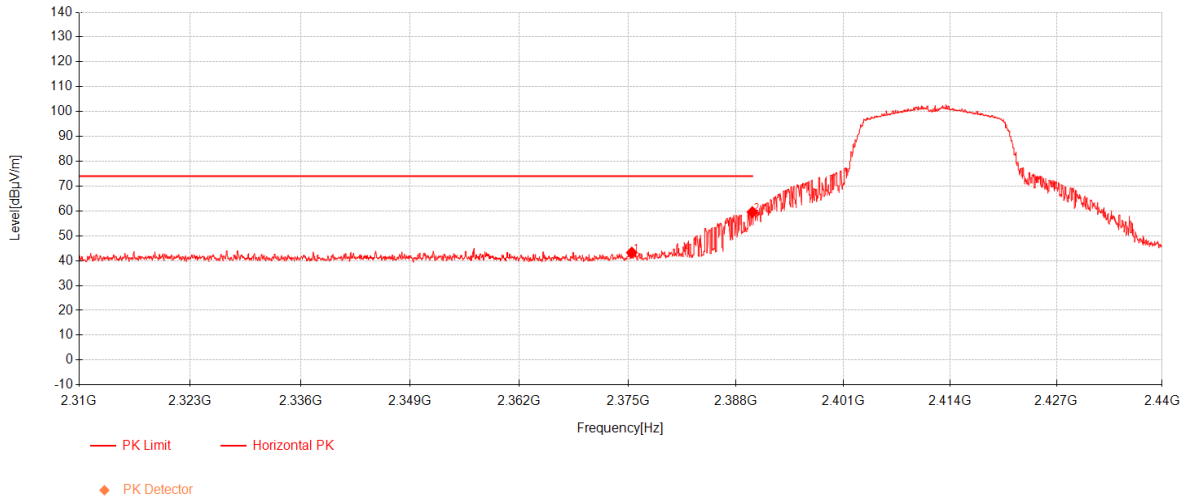
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Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2375.455	40.04	27.65	-24.45	43.24	74.00	30.76	276	118	Horizontal
2	2389.9825	56.29	27.68	-24.42	59.55	74.00	14.45	276	118	Horizontal



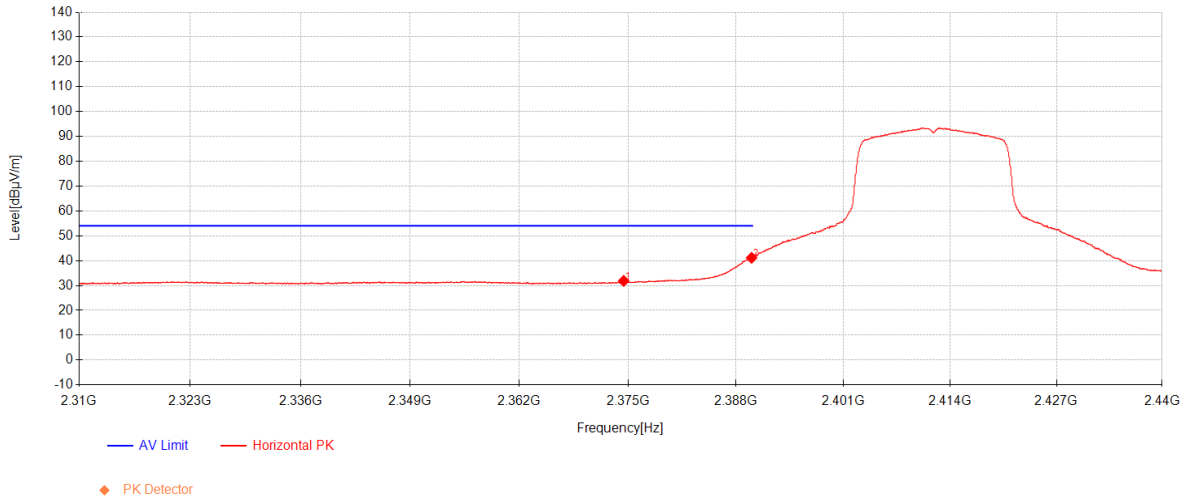
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Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2374.48	28.67	27.65	-24.46	31.86	54.00	22.14	276	118	Horizontal
2	2389.885	37.88	27.68	-24.42	41.14	54.00	12.86	276	118	Horizontal

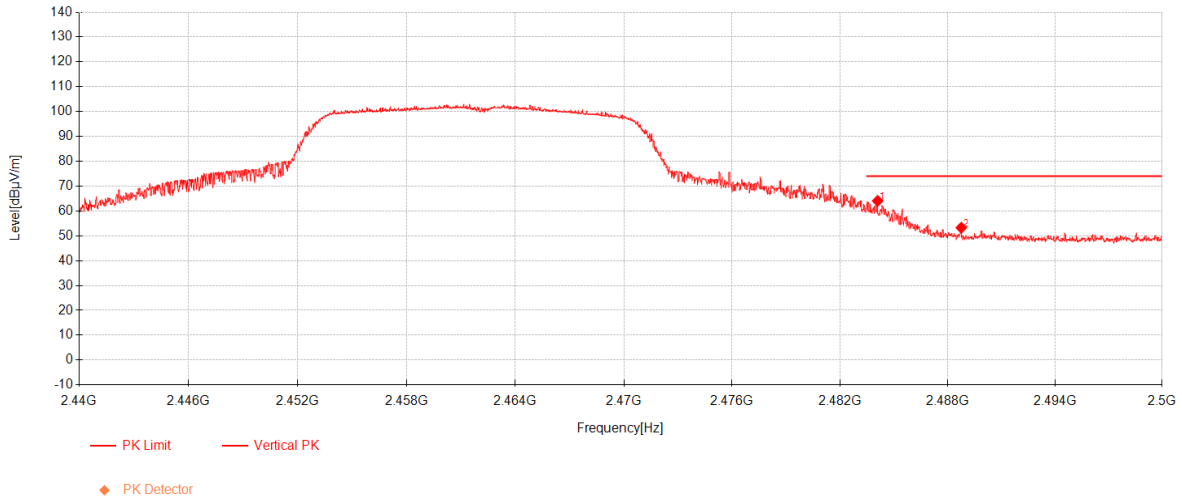


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802.11n20\_Channel 11



Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2484.1	60.15	27.87	-23.95	64.06	74.00	9.94	115	67	Vertical
2	2488.765	49.30	27.88	-23.93	53.25	74.00	20.75	115	67	Vertical

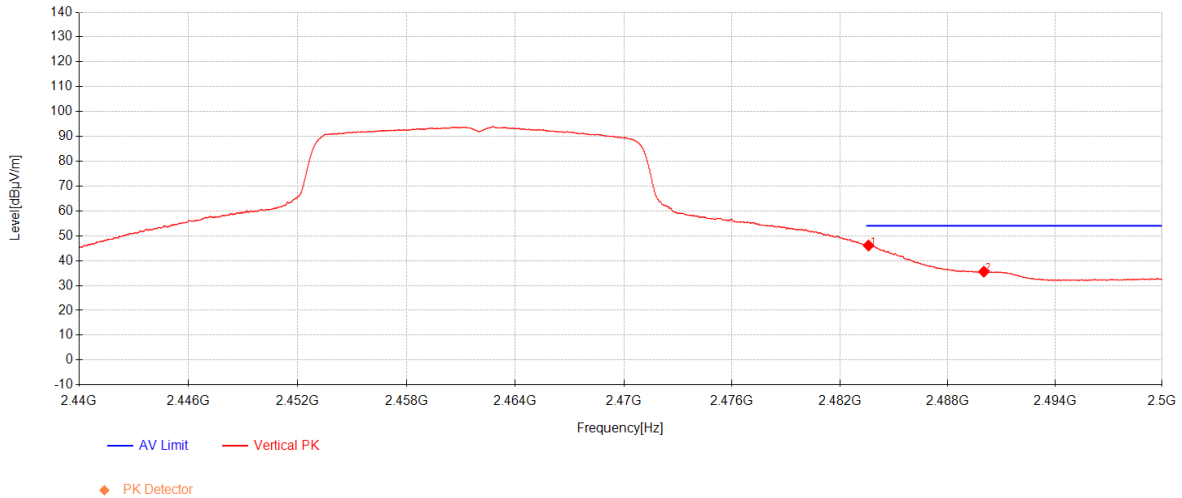


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Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2483.59	42.19	27.87	-23.96	46.10	54.00	7.90	115	67	Vertical
2	2490.025	31.59	27.88	-23.92	35.55	54.00	18.45	115	67	Vertical



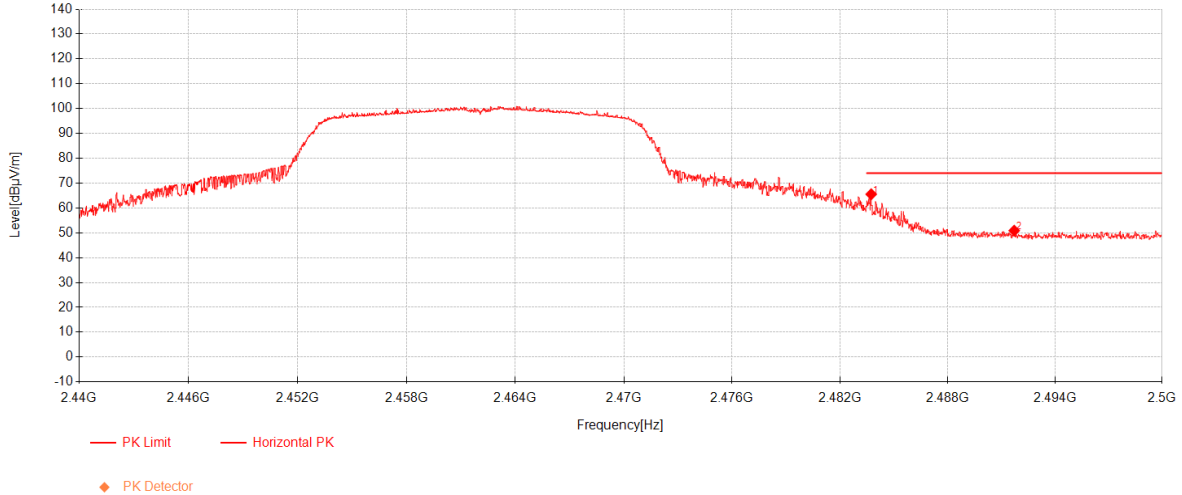
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Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2483.74	61.61	27.87	-23.96	65.52	74.00	8.48	298	122	Horizontal
2	2491.72	46.90	27.88	-23.91	50.87	74.00	23.13	298	122	Horizontal



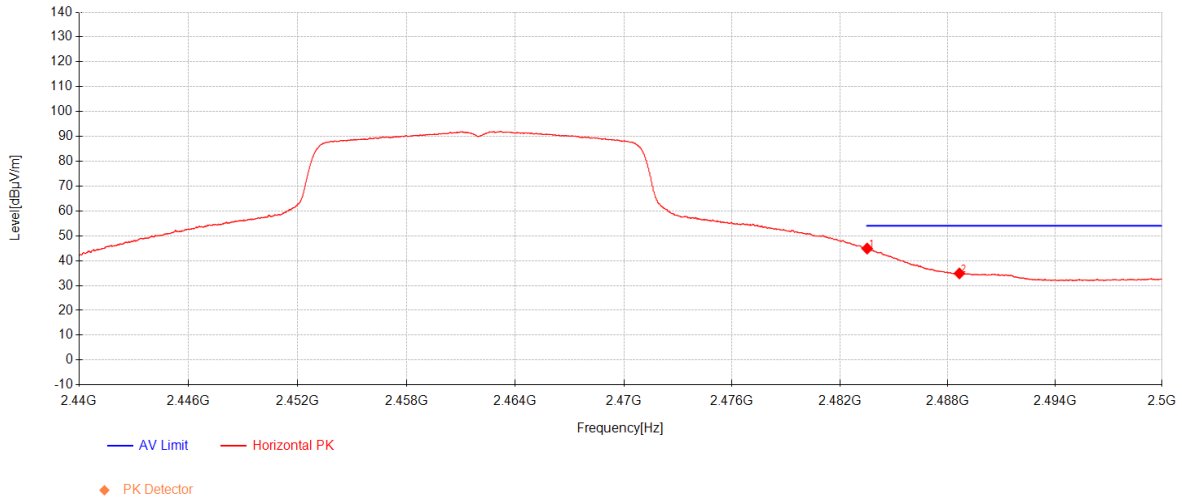
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802.11n20\_Channel 11



Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2483.515	40.97	27.87	-23.96	44.88	54.00	9.12	298	122	Horizontal
2	2488.66	30.91	27.88	-23.93	34.86	54.00	19.14	298	122	Horizontal

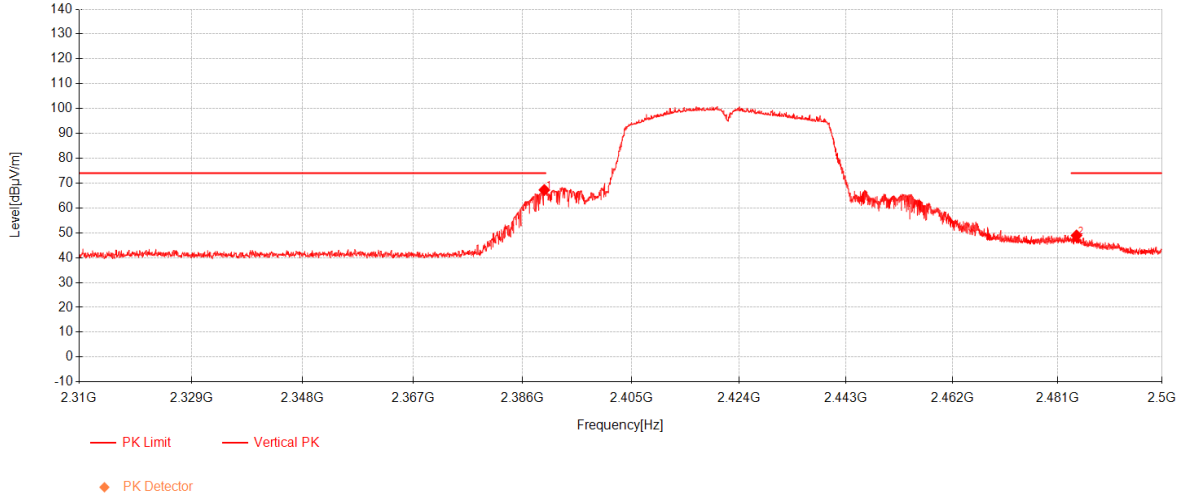


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802.11n40\_Channel 03



Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2389.7875	63.99	27.68	-24.42	67.25	74.00	6.75	117	75	Vertical
2	2484.43	45.02	27.87	-23.95	48.94	74.00	25.06	117	75	Vertical



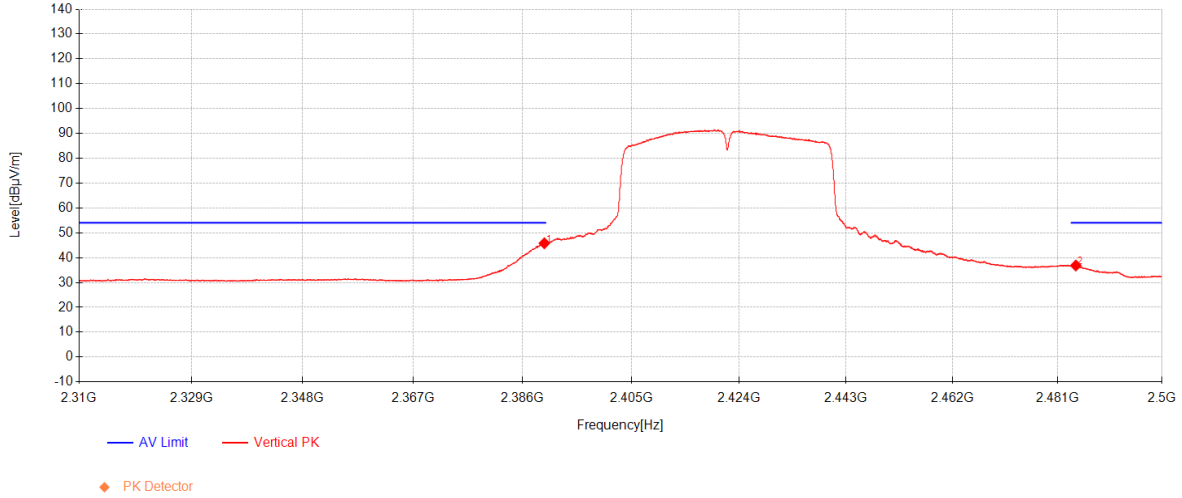
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Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2389.7875	42.52	27.68	-24.42	45.78	54.00	8.22	117	75	Vertical
2	2484.31	32.93	27.87	-23.95	36.85	54.00	17.15	117	75	Vertical

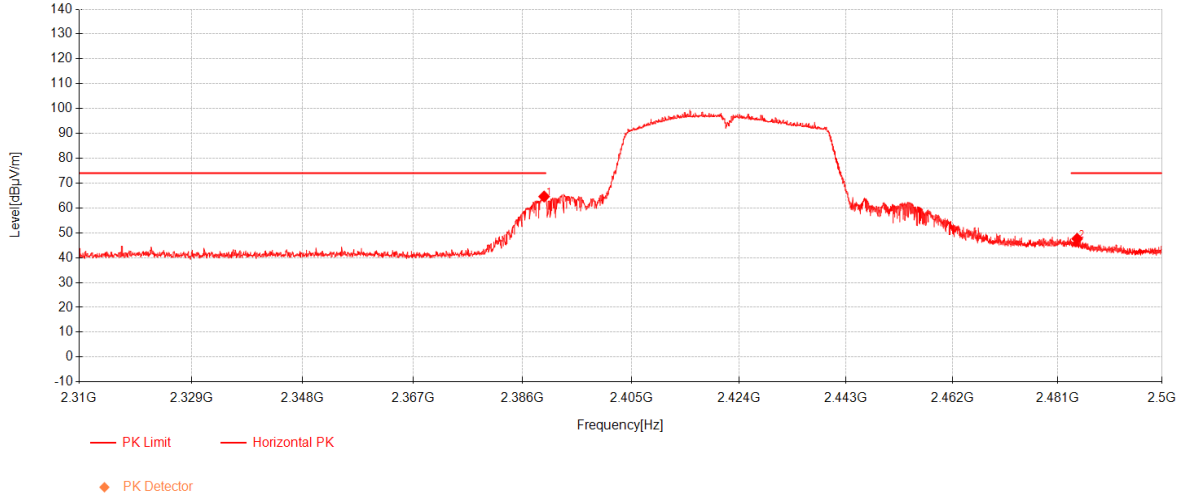


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802.11n40\_Channel 03



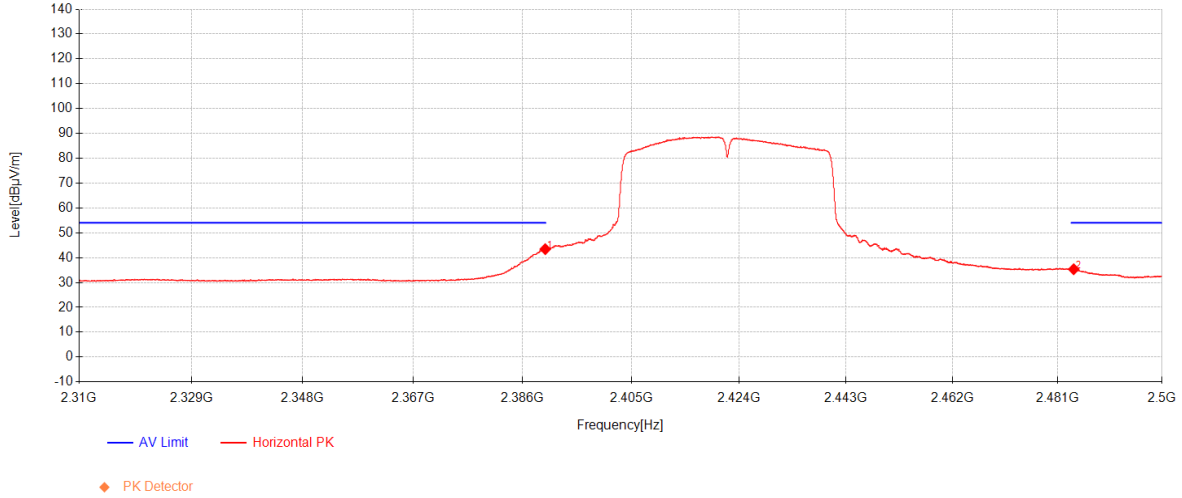
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1	2389.755	61.34	27.68	-24.42	64.60	74.00	9.40	278	125	Horizontal
2	2484.55	43.68	27.87	-23.95	47.60	74.00	26.40	278	125	Horizontal



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Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2389.95	40.16	27.68	-24.42	43.42	54.00	10.58	278	125	Horizontal
2	2483.92	31.43	27.87	-23.96	35.34	54.00	18.66	278	125	Horizontal

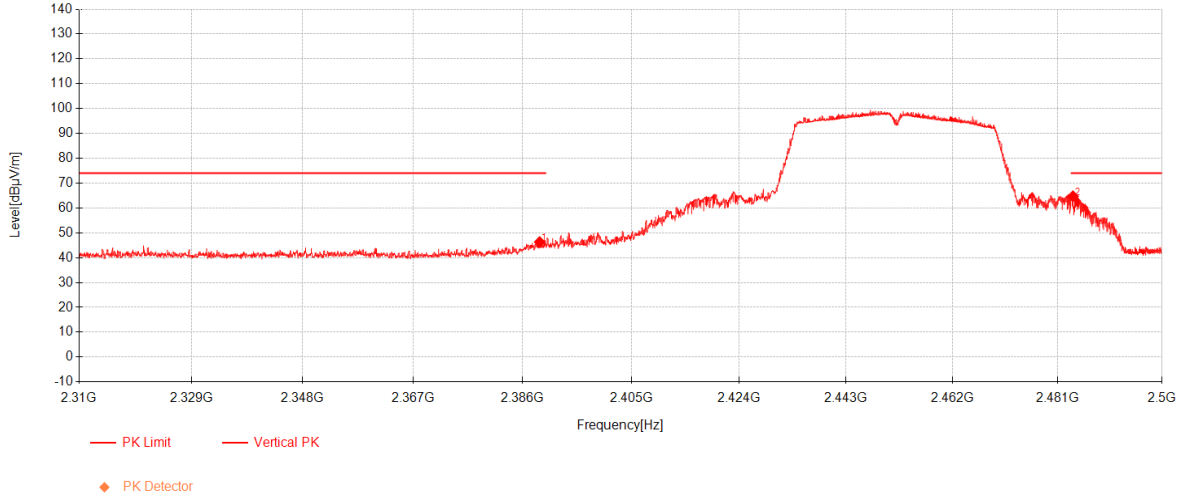


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802.11n40\_Channel 09



Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2388.975	43.01	27.68	-24.42	46.26	74.00	27.74	111	64	Vertical
2	2483.785	60.78	27.87	-23.96	64.69	74.00	9.31	111	64	Vertical

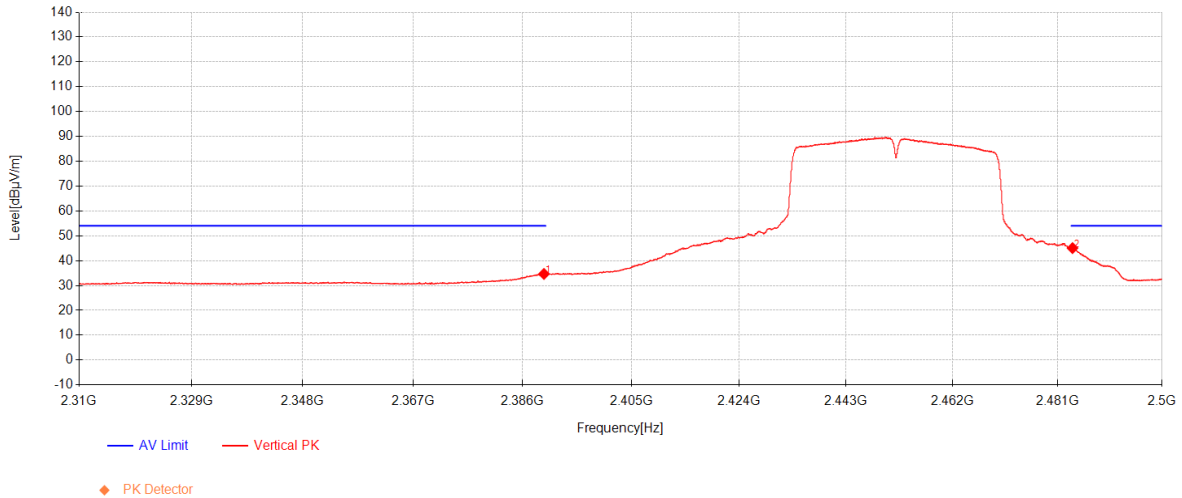


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802.11n40\_Channel 09



Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2389.7225	31.39	27.68	-24.42	34.65	54.00	19.35	111	64	Vertical
2	2483.71	41.14	27.87	-23.96	45.05	54.00	8.95	111	64	Vertical



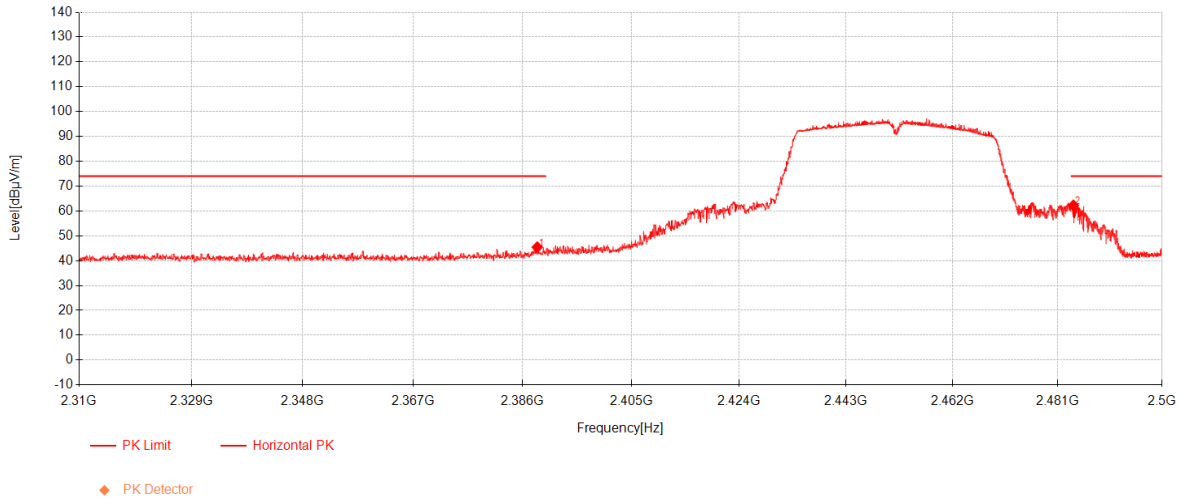
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NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2388.5525	42.18	27.68	-24.43	45.43	74.00	28.57	271	128	Horizontal
2	2483.875	58.33	27.87	-23.96	62.24	74.00	11.76	271	128	Horizontal



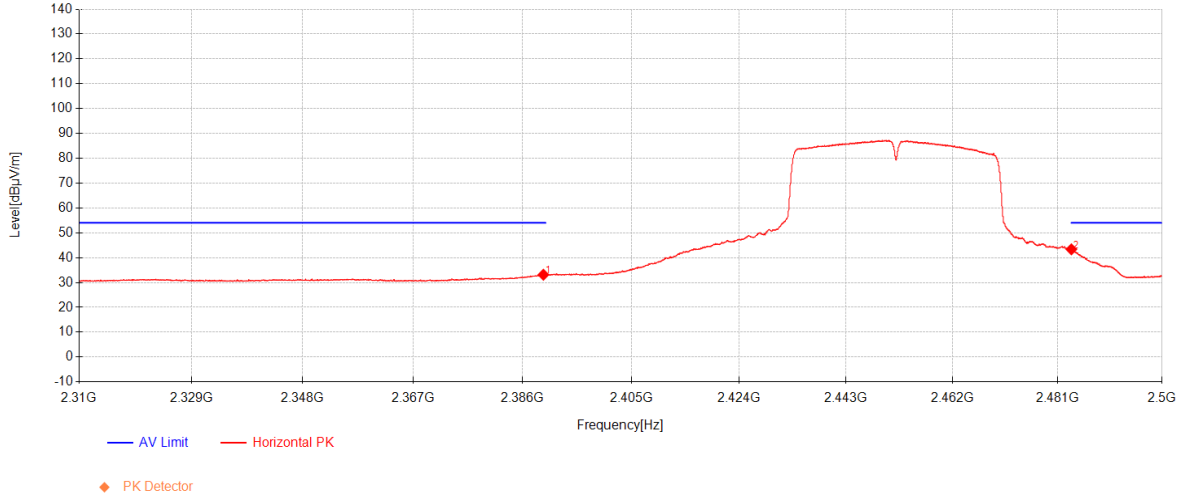
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Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2389.625	29.87	27.68	-24.42	33.13	54.00	20.87	271	128	Horizontal
2	2483.5	39.45	27.87	-23.96	43.36	54.00	10.64	271	128	Horizontal

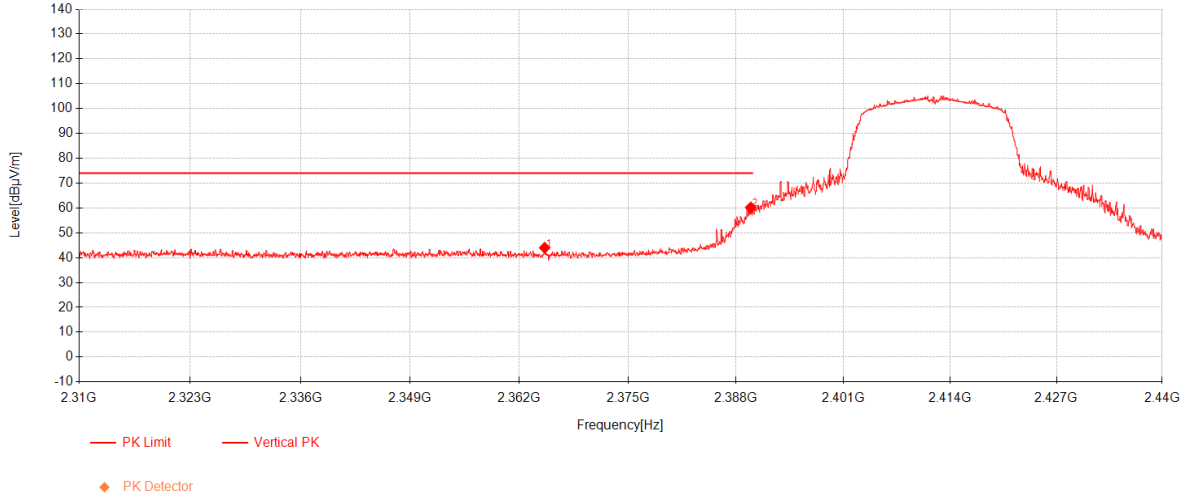


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802.11VHT 20\_Channel 01



Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2365.0225	40.83	27.63	-24.48	43.98	74.00	30.02	149	69	Vertical
2	2389.7875	56.94	27.68	-24.42	60.20	74.00	13.80	149	69	Vertical

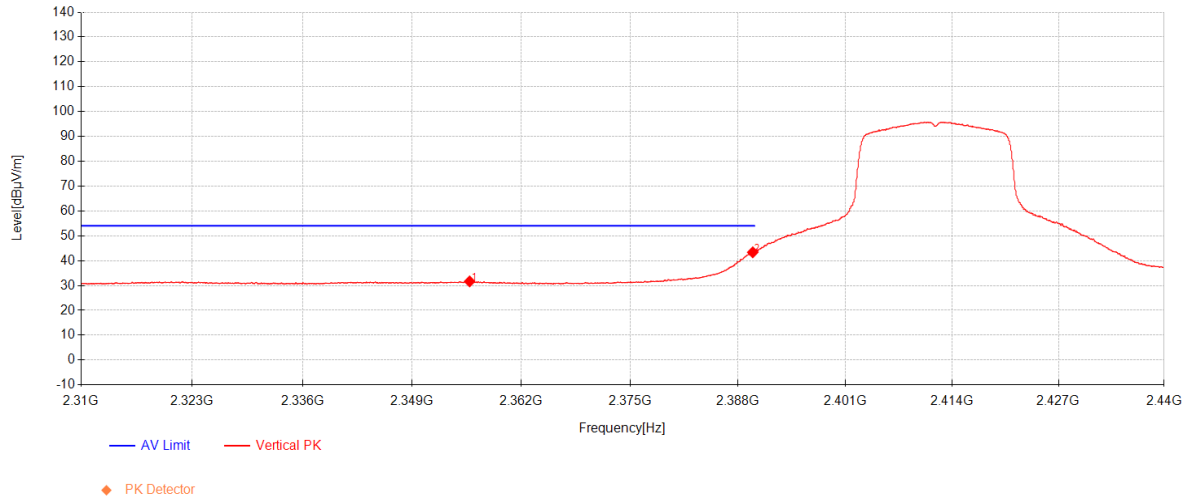


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Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2355.825	28.54	27.61	-24.50	31.65	54.00	22.35	149	69	Vertical
2	2389.7875	40.11	27.68	-24.42	43.37	54.00	10.63	149	69	Vertical

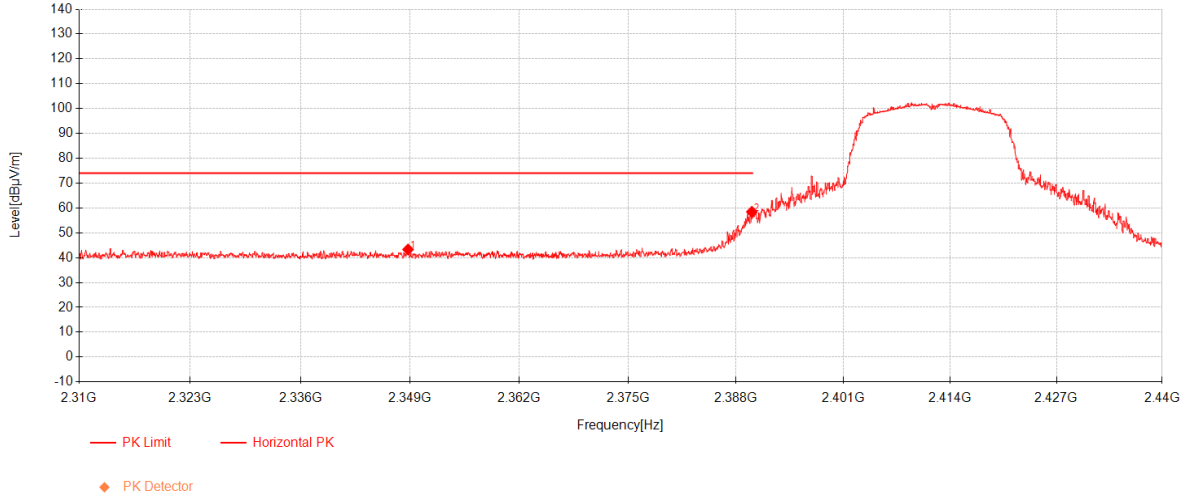


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Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2348.74	40.21	27.60	-24.51	43.29	74.00	30.71	277	124	Horizontal
2	2389.9175	55.20	27.68	-24.42	58.46	74.00	15.54	277	124	Horizontal



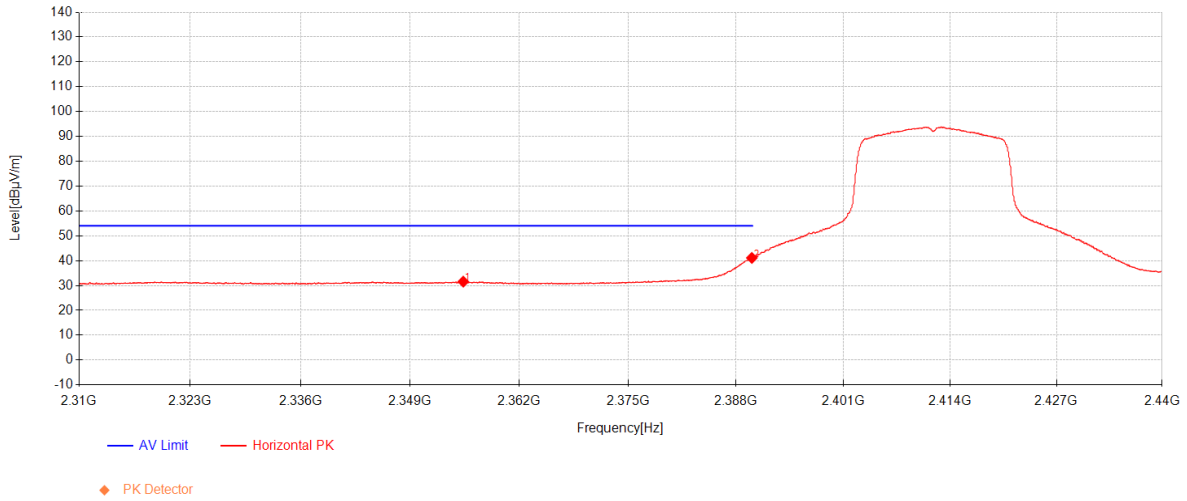
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Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2355.305	28.44	27.61	-24.50	31.55	54.00	22.45	277	124	Horizontal
2	2389.9175	37.84	27.68	-24.42	41.10	54.00	12.90	277	124	Horizontal

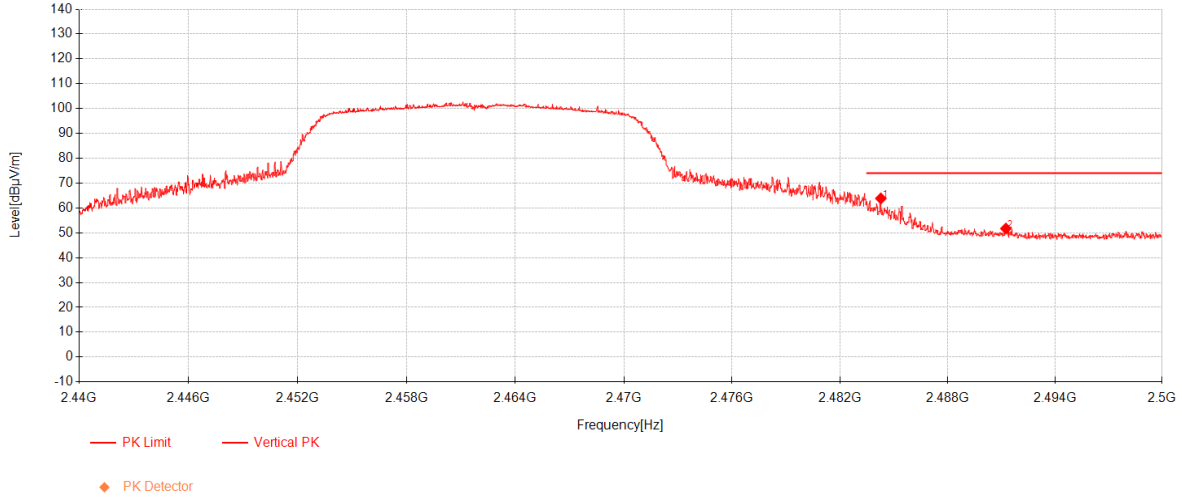


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802.11VHT 20\_Channel 11



Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2484.28	59.91	27.87	-23.95	63.83	74.00	10.17	174	66	Vertical
2	2491.255	47.74	27.88	-23.92	51.71	74.00	22.29	174	66	Vertical



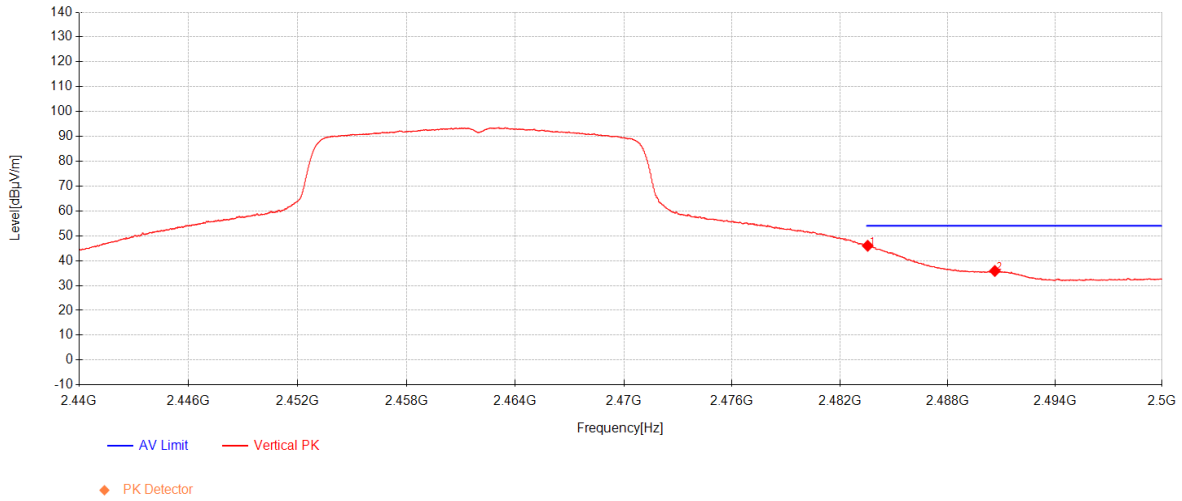
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Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2483.545	42.08	27.87	-23.96	45.99	54.00	8.01	174	66	Vertical
2	2490.64	31.89	27.88	-23.92	35.85	54.00	18.15	174	66	Vertical



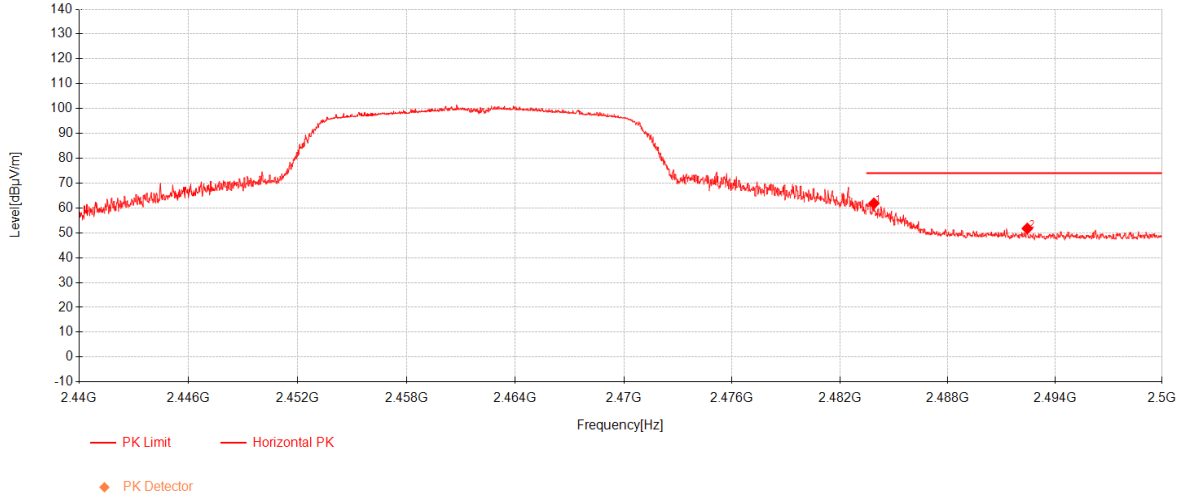
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802.11VHT 20\_Channel 11



Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2483.89	57.93	27.87	-23.96	61.84	74.00	12.16	298	121	Horizontal
2	2492.455	47.77	27.88	-23.91	51.74	74.00	22.26	298	121	Horizontal



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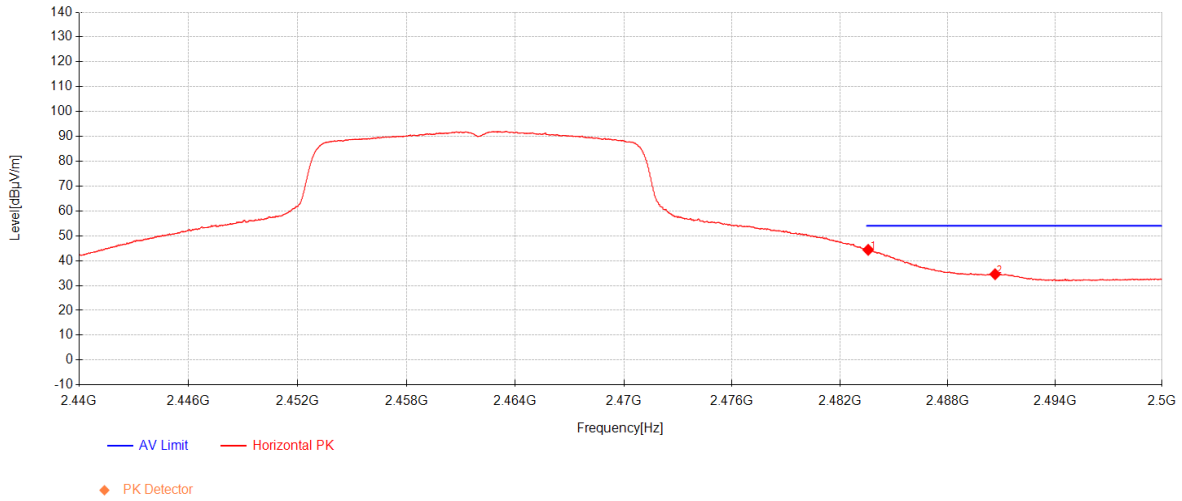
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802.11VHT 20\_Channel 11



Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2483.575	40.45	27.87	-23.96	44.36	54.00	9.64	298	121	Horizontal
2	2490.655	30.58	27.88	-23.92	34.54	54.00	19.46	298	121	Horizontal



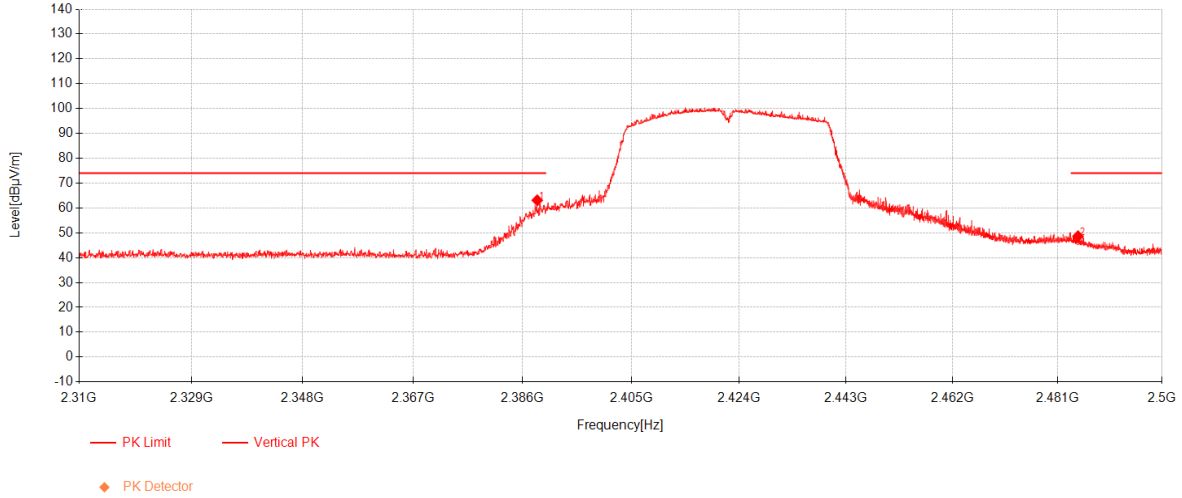
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802.11VHT 40\_Channel 03



Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2388.5525	59.83	27.68	-24.43	63.08	74.00	10.92	116	64	Vertical
2	2484.7	44.71	27.87	-23.95	48.63	74.00	25.37	116	64	Vertical



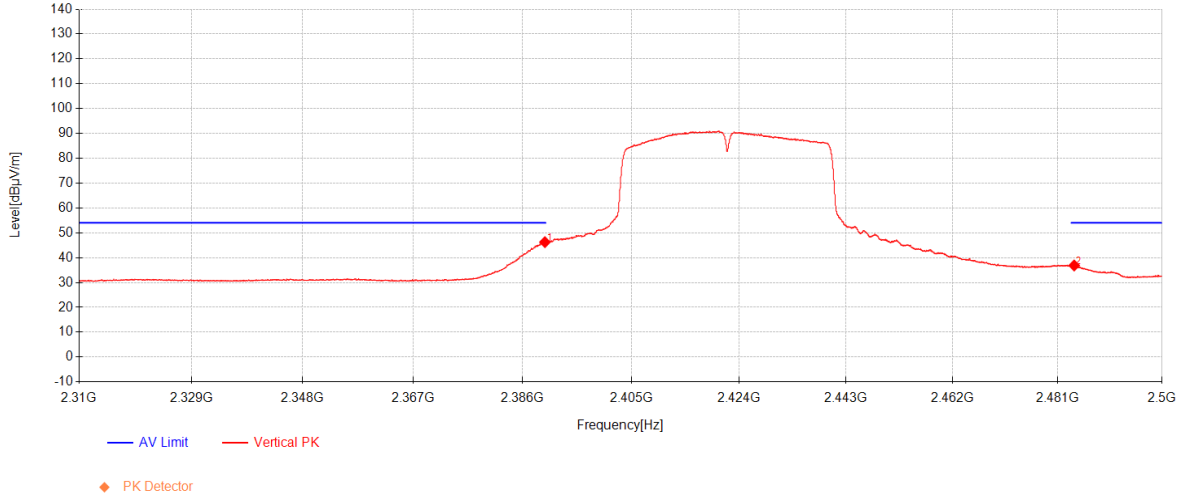
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802.11VHT 40\_Channel 03



Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2389.885	42.99	27.68	-24.42	46.25	54.00	7.75	116	64	Vertical
2	2484.01	32.94	27.87	-23.95	36.85	54.00	17.15	116	64	Vertical



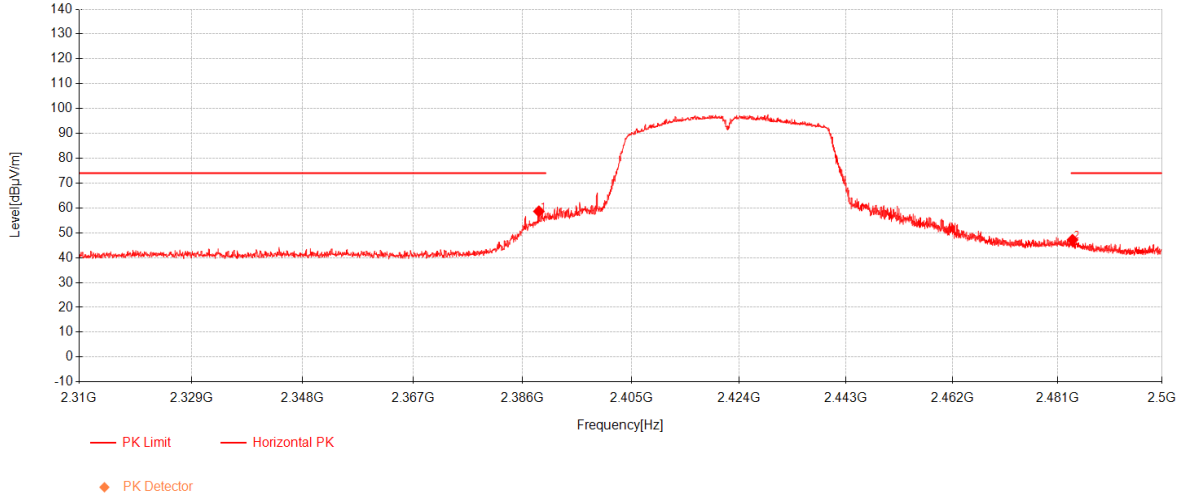
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802.11VHT 40\_Channel 03



Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2388.845	55.38	27.68	-24.42	58.63	74.00	15.37	311	116	Horizontal
2	2483.71	43.26	27.87	-23.96	47.17	74.00	26.83	311	116	Horizontal



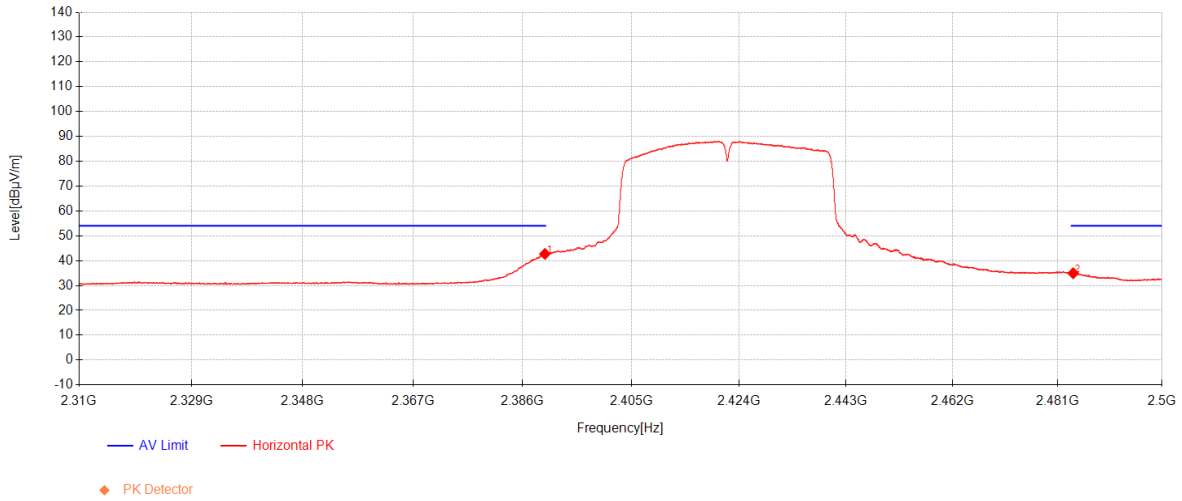
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Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2389.885	39.45	27.68	-24.42	42.71	54.00	11.29	311	116	Horizontal
2	2483.83	31.02	27.87	-23.96	34.93	54.00	19.07	311	116	Horizontal



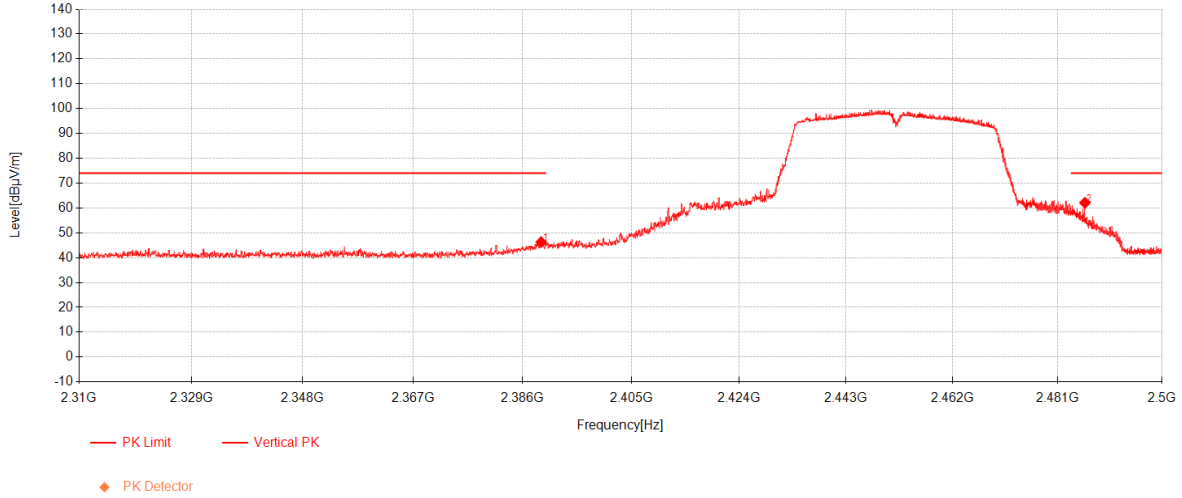
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802.11VHT 40\_Channel 09



Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2389.235	43.02	27.68	-24.42	46.27	74.00	27.73	131	63	Vertical
2	2485.96	58.14	27.87	-23.94	62.07	74.00	11.93	131	63	Vertical



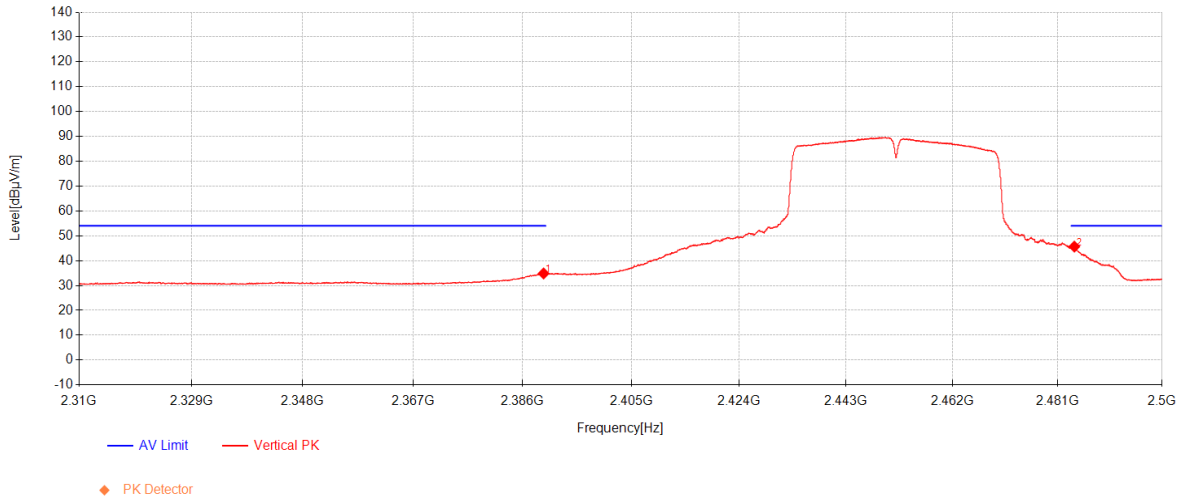
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Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2389.6575	31.59	27.68	-24.42	34.85	54.00	19.15	131	63	Vertical
2	2484.04	41.75	27.87	-23.95	45.66	54.00	8.34	131	63	Vertical



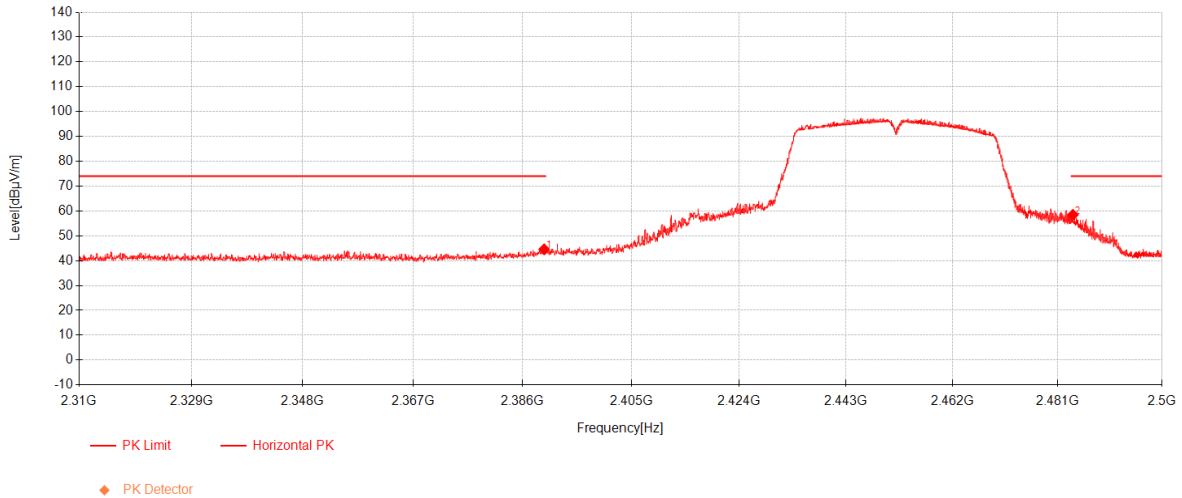
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Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2389.755	41.31	27.68	-24.42	44.57	74.00	29.43	271	121	Horizontal
2	2483.785	54.53	27.87	-23.96	58.44	74.00	15.56	271	121	Horizontal



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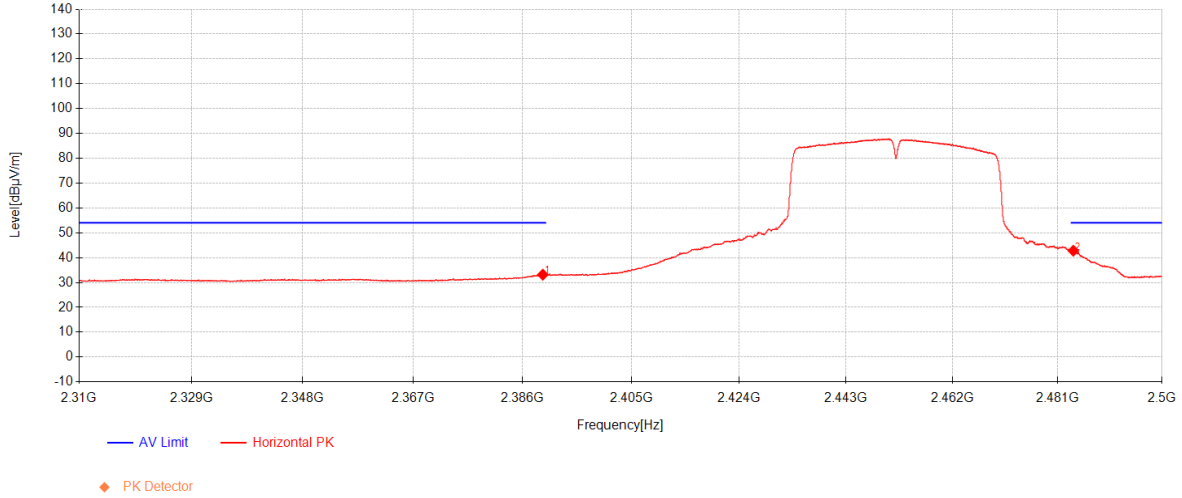
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Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2389.5275	29.89	27.68	-24.42	33.15	54.00	20.85	271	121	Horizontal
2	2483.86	38.89	27.87	-23.96	42.80	54.00	11.20	271	121	Horizontal

Remark:

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



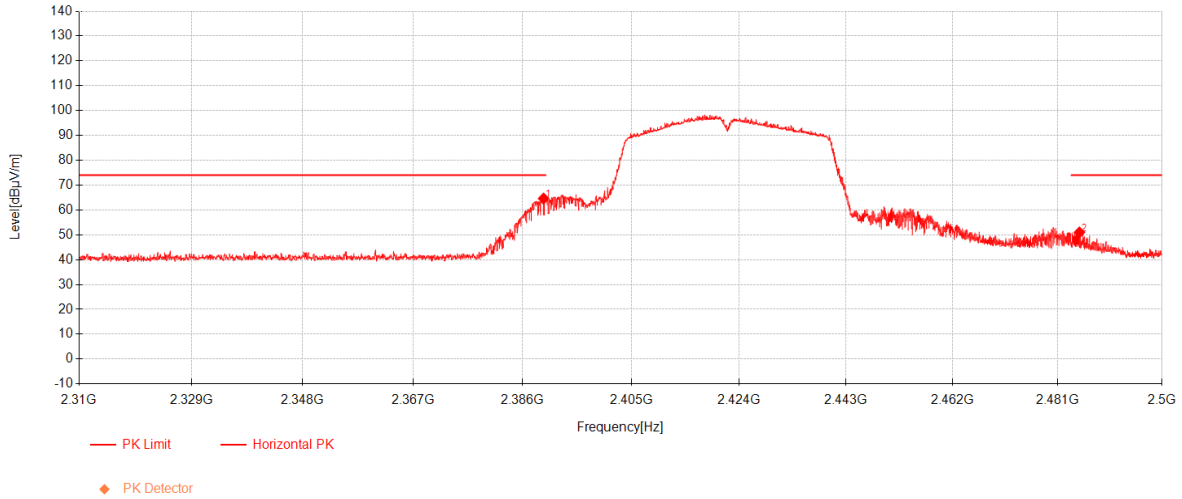
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**Test on the worst case:**

**Restricted bands around fundamental frequency**

**802.11n40\_Channel 03**



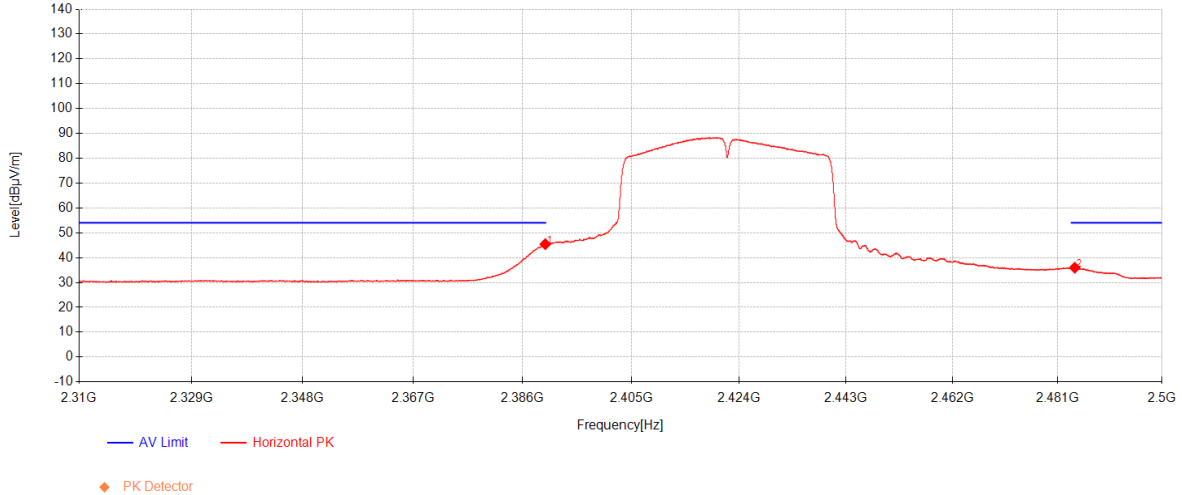
Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2389.6575	61.87	27.16	-24.42	64.60	74.00	9.40	139	266	Horizontal
2	2484.955	47.55	27.37	-23.95	50.97	74.00	23.03	139	266	Horizontal



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802.11n40\_Channel 03



Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2389.95	42.71	27.16	-24.42	45.45	54.00	8.55	139	266	Horizontal
2	2484.115	32.56	27.37	-23.95	35.97	54.00	18.03	139	266	Horizontal

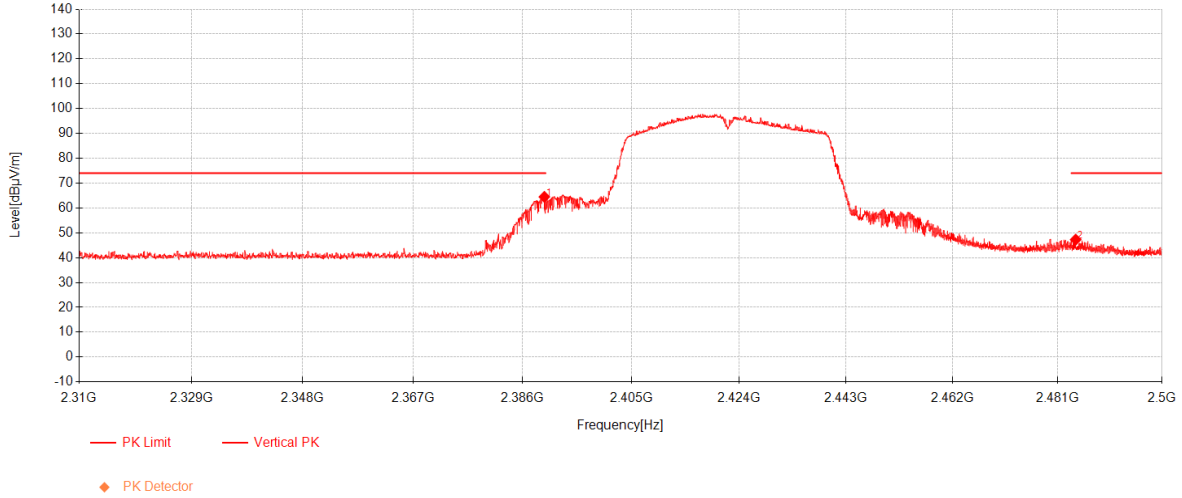


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Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2389.7875	61.72	27.16	-24.42	64.46	74.00	9.54	386	229	Vertical
2	2484.28	43.85	27.37	-23.95	47.26	74.00	26.74	386	229	Vertical

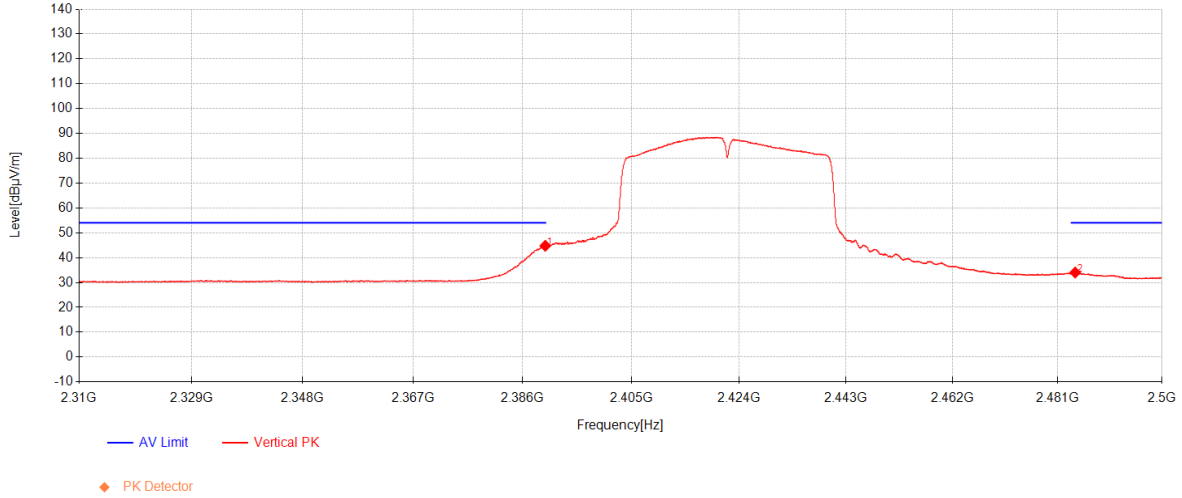


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Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2389.95	42.03	27.16	-24.42	44.77	54.00	9.23	386	229	Vertical
2	2484.19	30.60	27.37	-23.95	34.01	54.00	19.99	386	229	Vertical

Remark:

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

---End of Report---



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