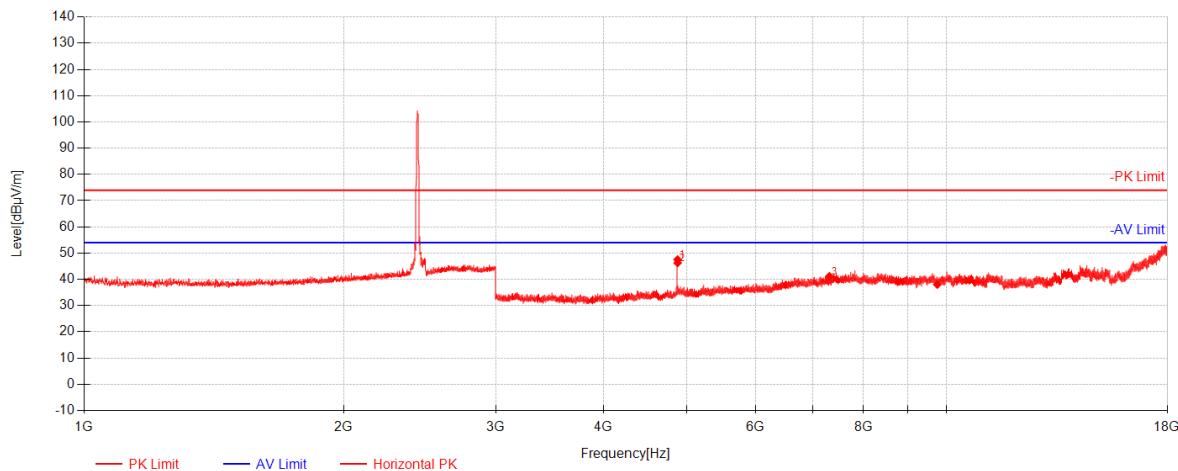


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802.11b_Channel 06



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	4874.0000	61.94	31.12	-45.53	47.53	74.00	26.47	215	138	Horizontal
2	4874.5	60.67	31.12	-45.53	46.26	54.00	7.74	148	166	Horizontal
3	7311.0000	48.81	36.07	-43.71	41.17	74.00	32.83	175	278	Horizontal
4	9748.0000	39.76	37.72	-39.46	38.02	74.00	35.98	163	249	Horizontal



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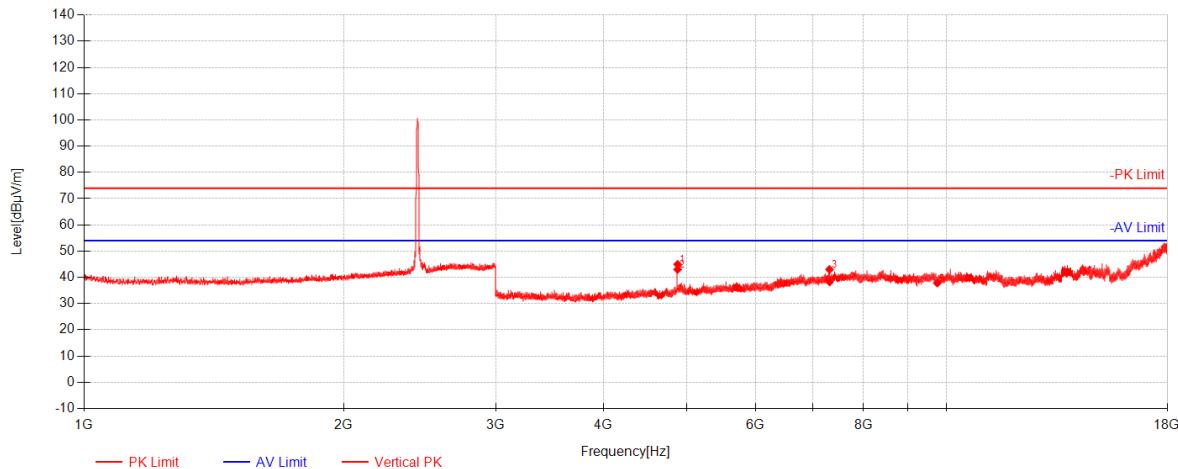
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802.11b_Channel 06



Data List										
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4874.0000	59.35	31.12	-45.53	44.94	74.00	29.06	211	80	Vertical
2	4874.5	57.40	31.12	-45.53	42.99	54.00	11.01	142	80	Vertical
3	7311.0000	50.62	36.07	-43.71	42.98	74.00	31.02	136	233	Vertical
4	7313	45.89	36.08	-43.71	38.26	54.00	15.74	256	262	Vertical
5	9748.0000	39.53	37.72	-39.46	37.79	74.00	36.21	145	0	Vertical



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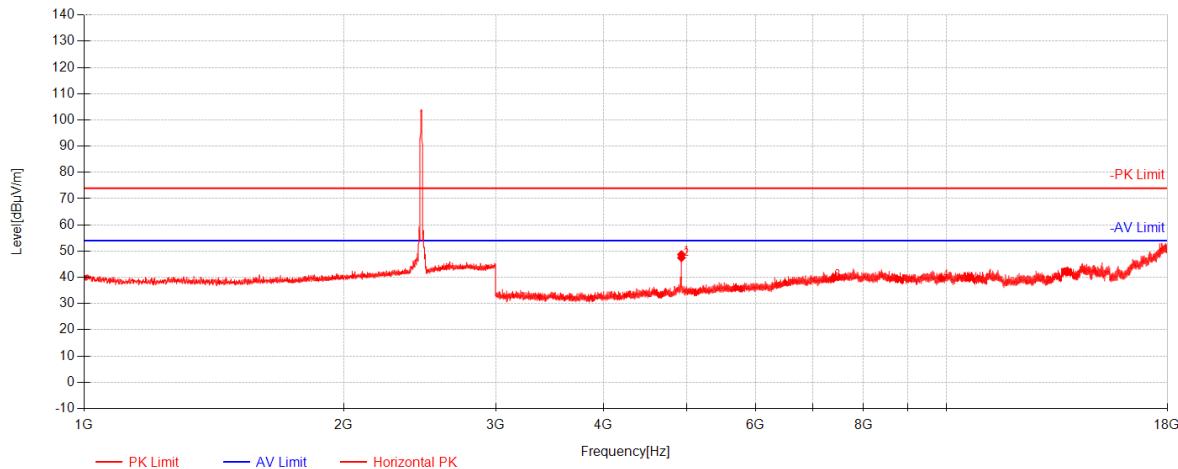
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802.11b_Channel 11



Data List										
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4924.0000	63.02	31.23	-45.56	48.70	74.00	25.30	288	168	Horizontal
2	4924.5	61.77	31.23	-45.56	47.45	54.00	6.55	142	168	Horizontal
3	7386.0000	46.68	36.28	-43.46	39.50	74.00	34.50	163	23	Horizontal
4	9848.0000	41.20	37.91	-39.41	39.70	74.00	34.30	251	306	Horizontal



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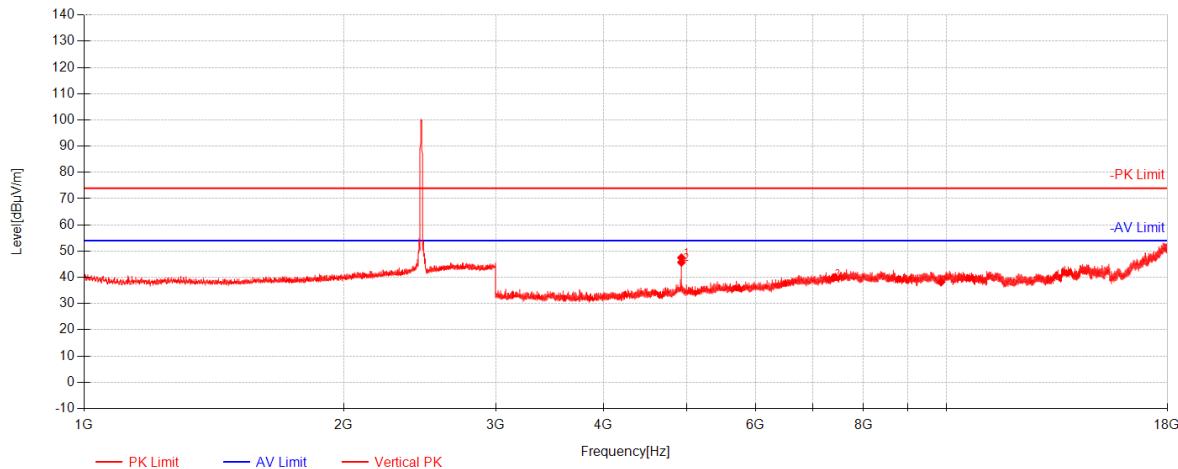
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802.11b_Channel 11



Data List										
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4924.0000	61.82	31.23	-45.56	47.50	74.00	26.50	248	48	Vertical
2	4924.5	60.02	31.23	-45.56	45.70	54.00	8.30	156	74	Vertical
3	7386.0000	46.87	36.28	-43.46	39.69	74.00	34.31	136	1	Vertical
4	9848.0000	39.67	37.91	-39.41	38.17	74.00	35.83	251	193	Vertical



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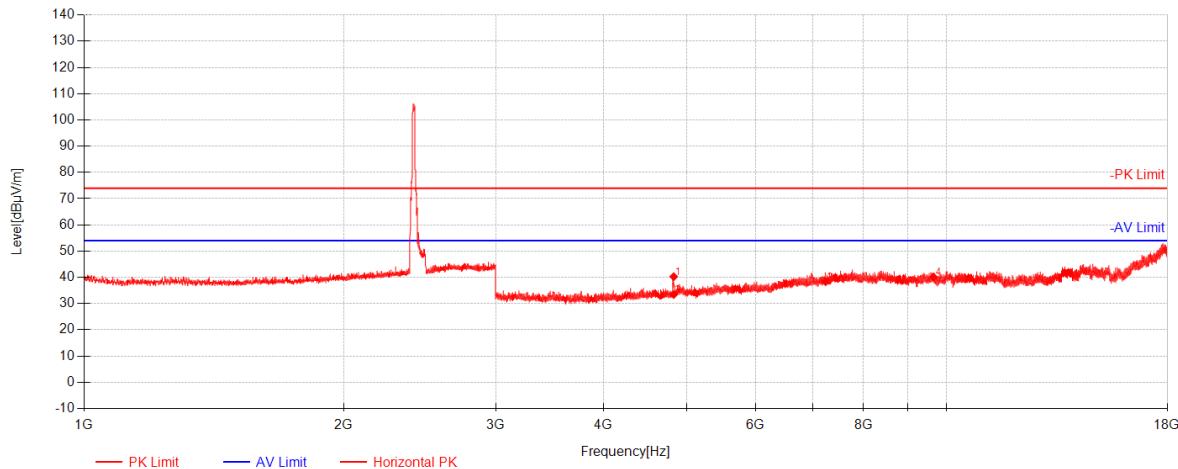
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802.11g_Channel 01



Data List										
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4824.0000	54.78	31.01	-45.54	40.26	74.00	33.74	248	110	Horizontal
2	4824	47.96	31.01	-45.54	33.44	54.00	20.56	156	110	Horizontal
3	7236.0000	46.01	35.86	-43.54	38.33	74.00	35.67	136	251	Horizontal
4	9648.0000	42.16	37.53	-39.56	40.13	74.00	33.87	251	360	Horizontal



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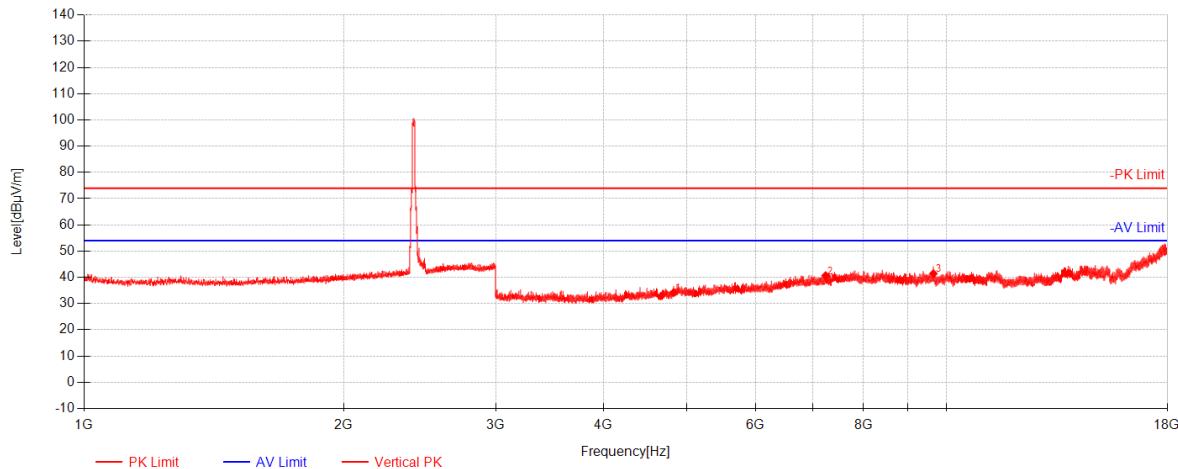
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802.11g_Channel 01



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	4824.0000	48.68	31.01	-45.54	34.16	74.00	39.84	163	335	Vertical
2	7236.0000	48.35	35.86	-43.54	40.67	74.00	33.33	251	279	Vertical
3	9648.0000	43.46	37.53	-39.56	41.43	74.00	32.57	144	111	Vertical



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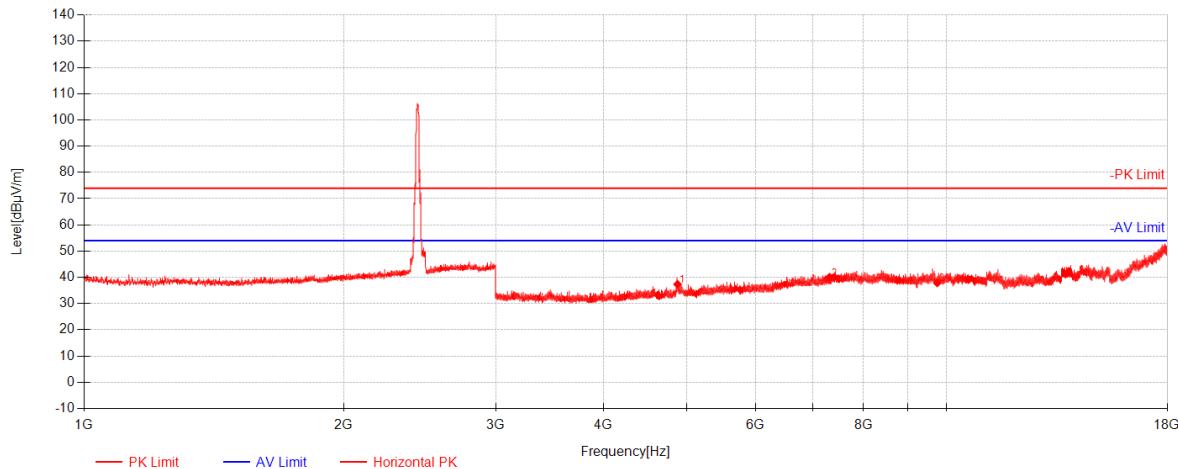
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Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4874.0000	51.77	31.12	-45.53	37.36	74.00	36.64	174	194	Horizontal
2	7311.0000	47.69	36.07	-43.71	40.05	74.00	33.95	156	307	Horizontal
3	9748.0000	39.63	37.72	-39.46	37.89	74.00	36.11	199	222	Horizontal



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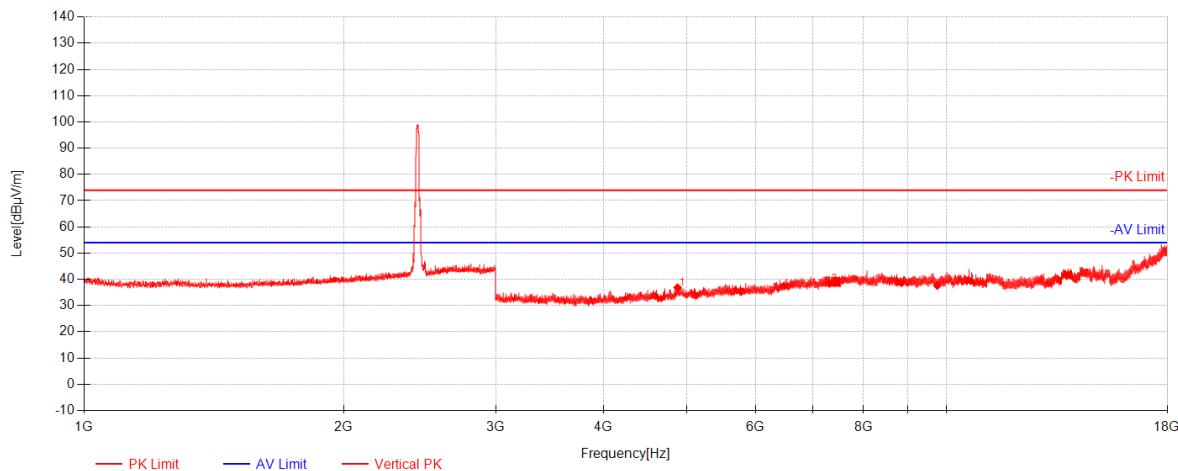
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Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4874.0000	51.27	31.12	-45.53	36.86	74.00	37.14	178	112	Vertical
2	7311.0000	46.10	36.07	-43.71	38.46	74.00	35.54	112	54	Vertical
3	9748.0000	39.36	37.72	-39.46	37.62	74.00	36.38	156	354	Vertical



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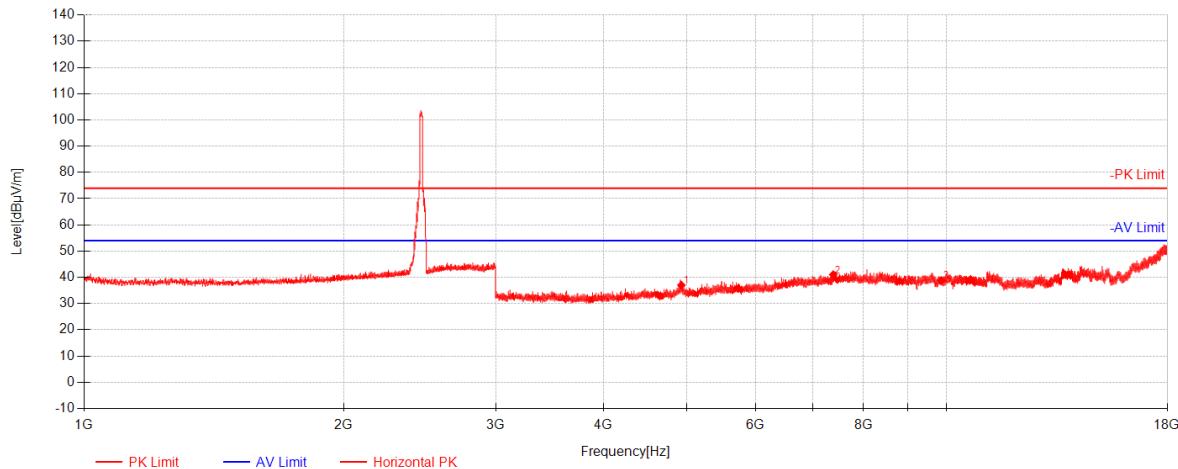
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1	4924.0000	51.32	31.23	-45.56	37.00	74.00	37.00	254	136	Horizontal
2	7386.0000	48.20	36.28	-43.46	41.02	74.00	32.98	153	334	Horizontal
3	9848.0000	40.29	37.91	-39.41	38.79	74.00	35.21	261	247	Horizontal



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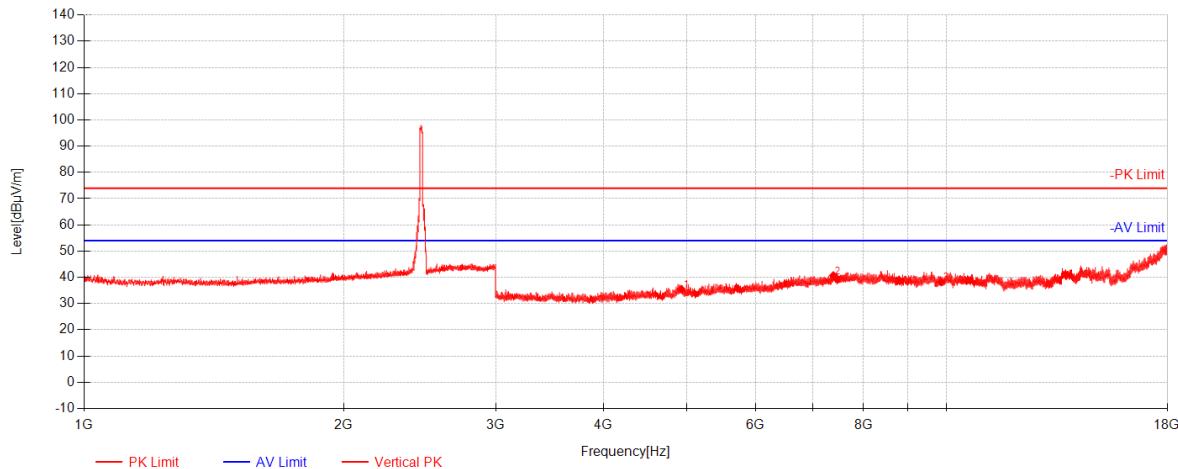
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1	4924.0000	49.79	31.23	-45.56	35.47	74.00	38.53	248	170	Vertical
2	7386.0000	47.87	36.28	-43.46	40.69	74.00	33.31	178	141	Vertical
3	9848.0000	39.71	37.91	-39.41	38.21	74.00	35.79	186	198	Vertical



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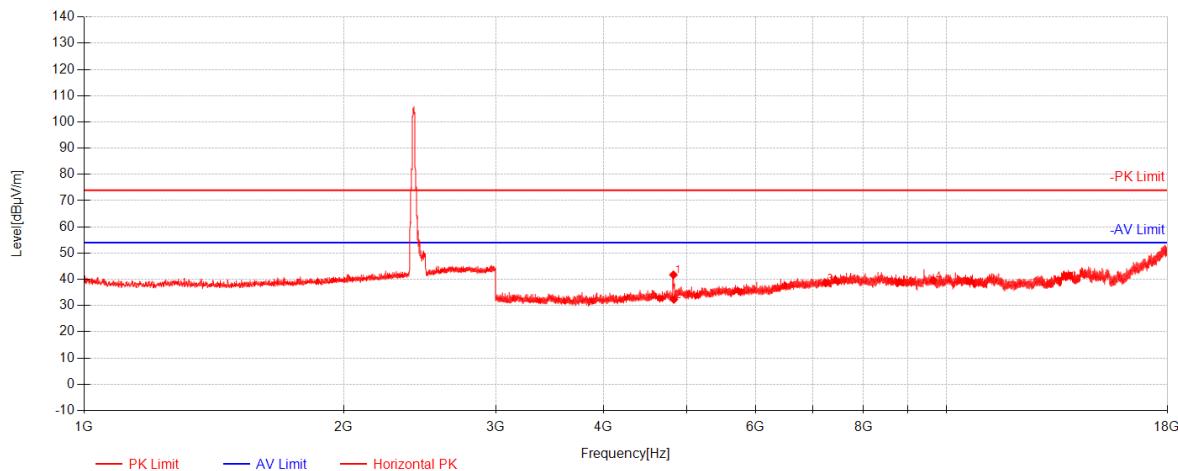
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802.11n20_Channel 01



Data List										
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4821	56.26	31.01	-45.54	41.73	74.00	32.27	215	104	Horizontal
2	4826	46.85	31.02	-45.54	32.33	54.00	21.67	147	104	Horizontal
3	7236.0000	46.29	35.86	-43.54	38.61	74.00	35.39	186	78	Horizontal
4	9648.0000	41.65	37.53	-39.56	39.62	74.00	34.38	136	104	Horizontal



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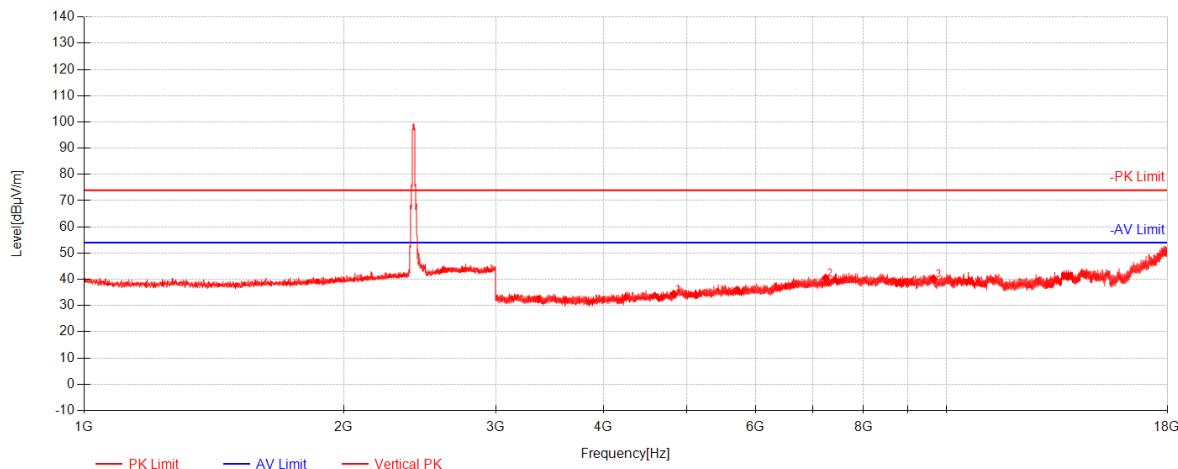
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802.11n20_Channel 01



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	4824.0000	48.91	31.01	-45.54	34.39	74.00	39.61	244	23	Vertical
2	7236.0000	48.17	35.86	-43.54	40.49	74.00	33.51	178	220	Vertical
3	9648.0000	42.29	37.53	-39.56	40.26	74.00	33.74	111	23	Vertical



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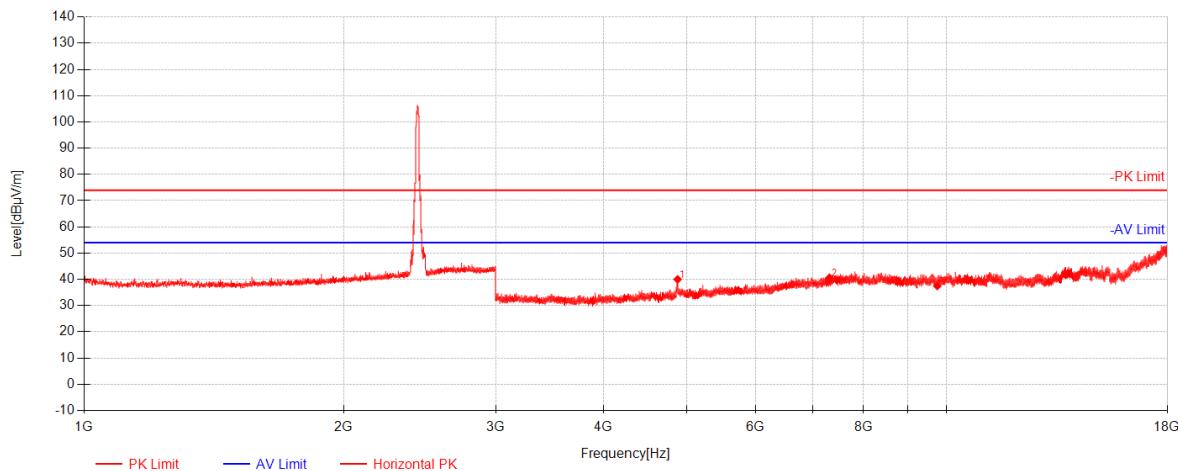
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802.11n20_Channel 06



Data List										
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4874.5	54.41	31.12	-45.53	40.00	74.00	34.00	254	138	Horizontal
2	7311.0000	48.23	36.07	-43.71	40.59	74.00	33.41	163	52	Horizontal
3	9748.0000	39.22	37.72	-39.46	37.48	74.00	36.52	259	52	Horizontal



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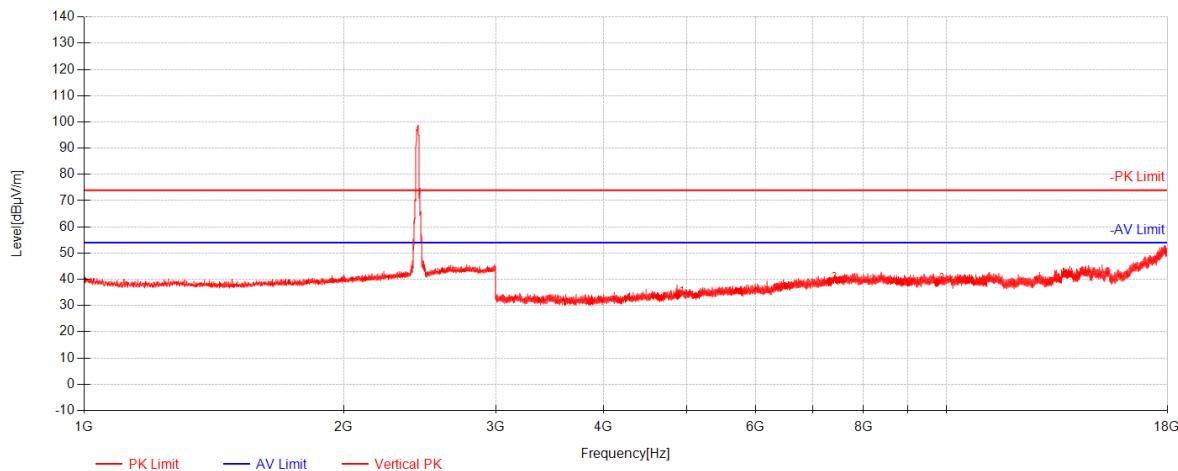
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802.11n20_Channel 06



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	4874.0000	48.22	31.12	-45.53	33.81	74.00	40.19	156	166	Vertical
2	7311.0000	46.92	36.07	-43.71	39.28	74.00	34.72	188	6	Vertical
3	9748.0000	40.61	37.72	-39.46	38.87	74.00	35.13	176	0	Vertical



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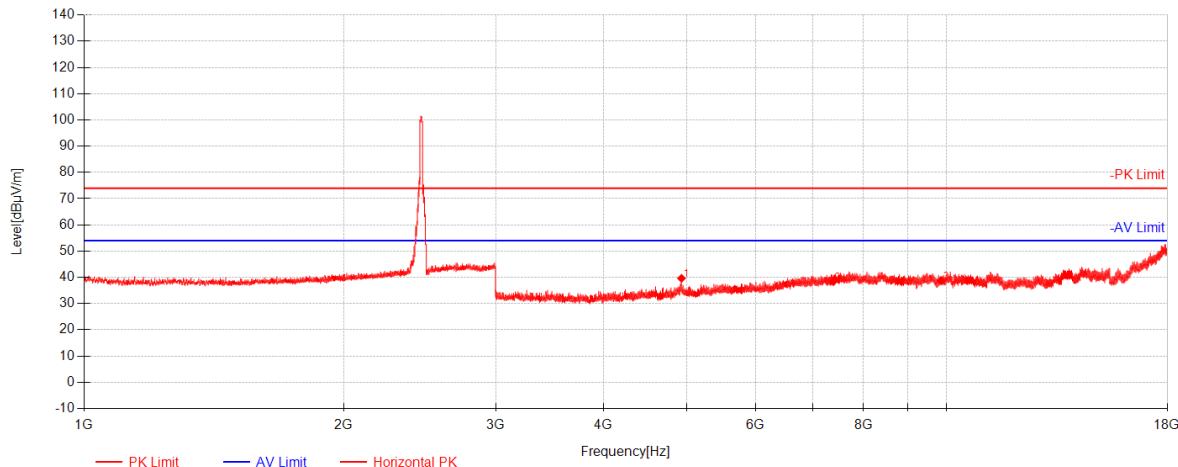
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802.11n20_Channel 11



Data List										
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4925.5	53.94	31.24	-45.56	39.62	74.00	34.38	248	164	Horizontal
2	7386.0000	45.52	36.28	-43.46	38.34	74.00	35.66	179	250	Horizontal
3	9848.0000	40.25	37.91	-39.41	38.75	74.00	35.25	152	0	Horizontal

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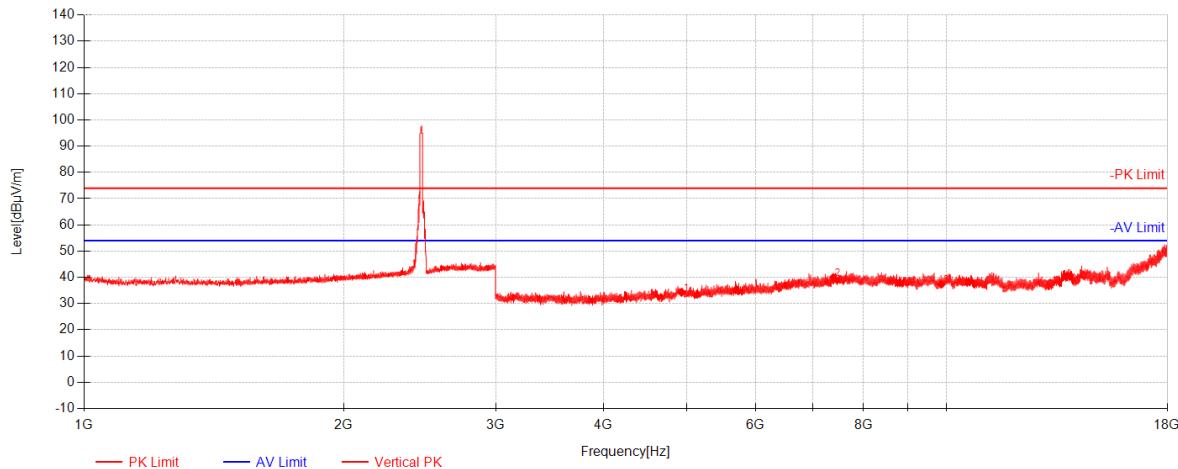
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802.11n20_Channel 11



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	4924.0000	48.55	31.23	-45.56	34.23	74.00	39.77	165	165	Vertical
2	7386.0000	47.19	36.28	-43.46	40.01	74.00	33.99	185	357	Vertical
3	9848.0000	38.83	37.91	-39.41	37.33	74.00	36.67	172	357	Vertical



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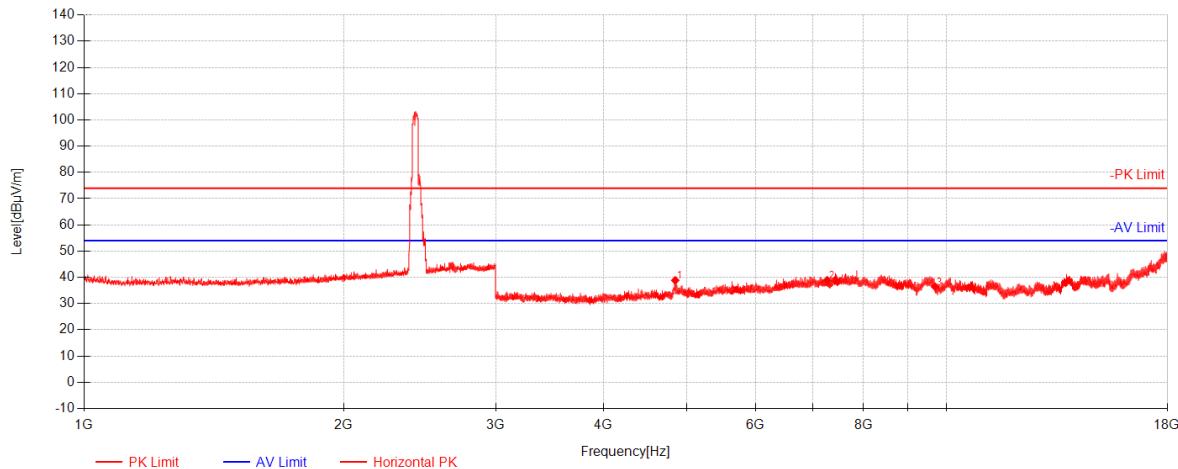
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802.11n40_Channel 03



Data List										
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4844.0000	53.34	31.06	-45.54	38.86	74.00	35.14	248	170	Horizontal
2	7266.0000	46.56	35.94	-43.64	38.87	74.00	35.13	179	170	Horizontal
3	9688.0000	38.33	37.61	-39.47	36.47	74.00	37.53	155	108	Horizontal



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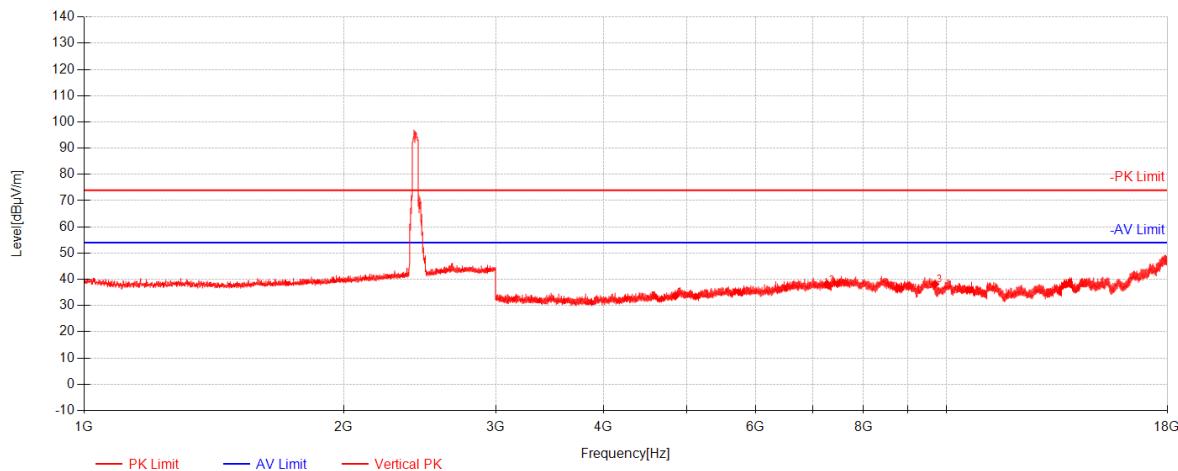
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802.11n40_Channel 03



Data List										
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4844.0000	48.10	31.06	-45.54	33.62	74.00	40.38	148	211	Vertical
2	7266.0000	45.74	35.94	-43.64	38.05	74.00	35.95	165	191	Vertical
3	9688.0000	40.03	37.61	-39.47	38.17	74.00	35.83	175	86	Vertical



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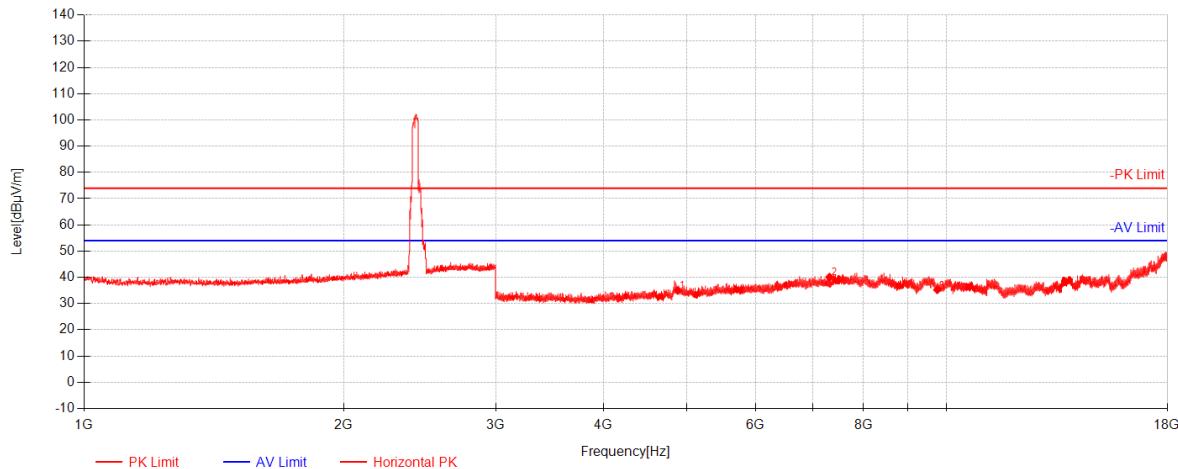
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802.11n40_Channel 06



Data List										
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1	4874.0000	49.42	31.12	-45.53	35.01	74.00	38.99	166	315	Horizontal
2	7311.0000	47.74	36.07	-43.71	40.10	74.00	33.90	258	274	Horizontal
3	9748.0000	36.96	37.72	-39.46	35.22	74.00	38.78	175	252	Horizontal



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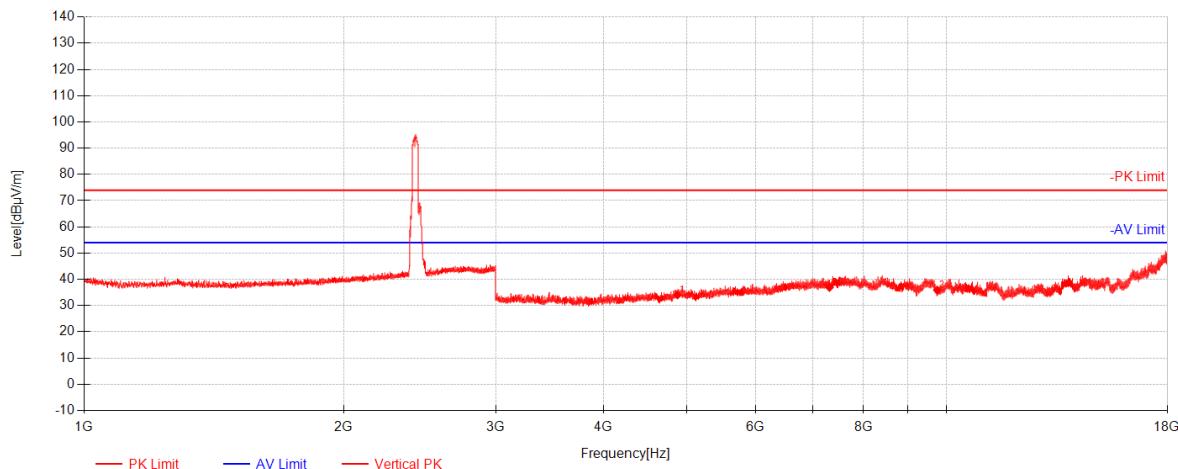
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Data List										
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1	4874.0000	48.42	31.12	-45.53	34.01	74.00	39.99	156	214	Vertical
2	7311.0000	44.52	36.07	-43.71	36.88	74.00	37.12	148	66	Vertical
3	9748.0000	37.69	37.72	-39.46	35.95	74.00	38.05	175	277	Vertical



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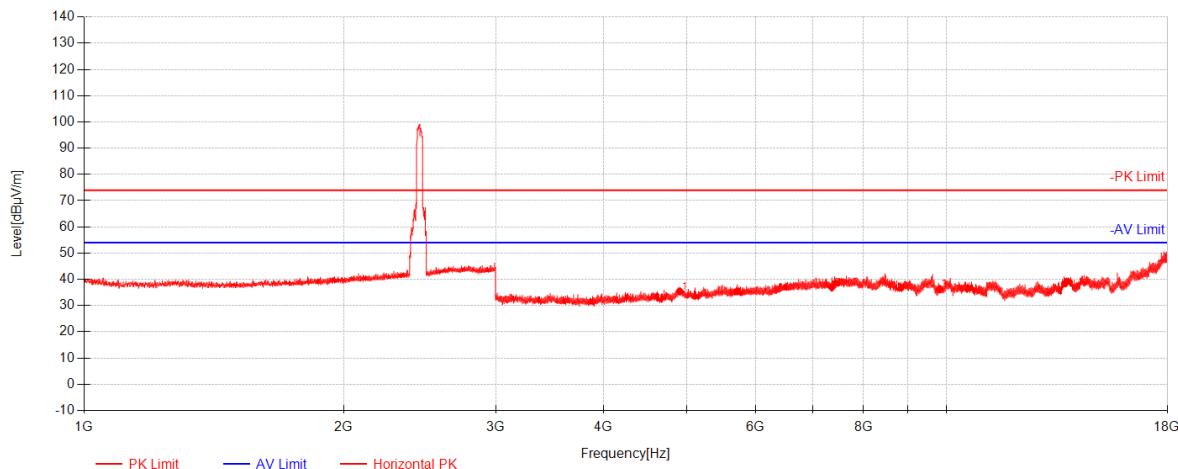
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Report No.: SEWM2309000392RG02
 Rev.: 01
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802.11n40_Channel 09



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	4904.0000	49.77	31.19	-45.53	35.42	74.00	38.58	265	233	Horizontal	
2	7356.0000	44.24	36.20	-43.56	36.88	74.00	37.12	258	354	Horizontal	
3	9808.0000	37.94	37.84	-39.47	36.31	74.00	37.69	196	316	Horizontal	



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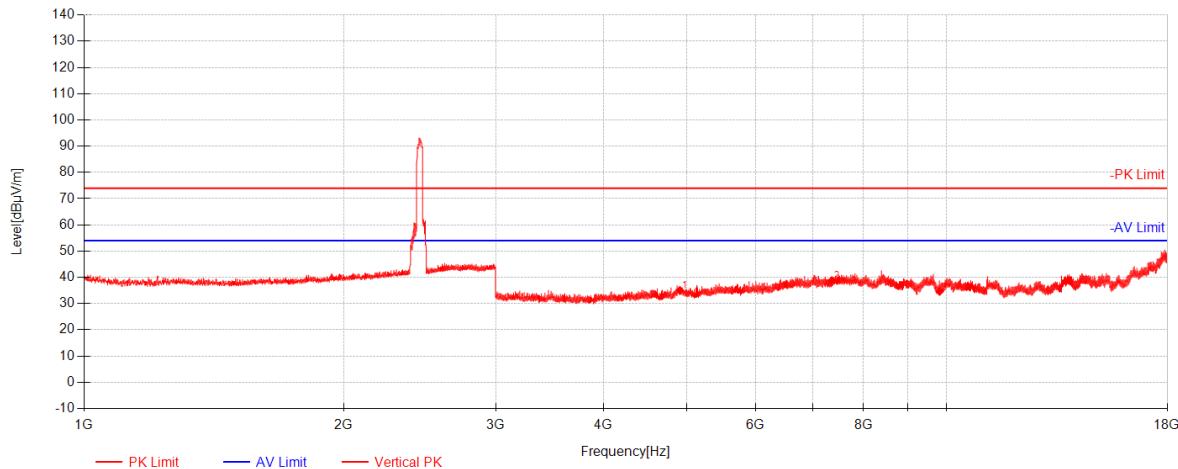
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Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4904.0000	49.40	31.19	-45.53	35.05	74.00	38.95	265	108	Vertical
2	7356.0000	46.16	36.20	-43.56	38.80	74.00	35.20	188	45	Vertical
3	9808.0000	36.22	37.84	-39.47	34.59	74.00	39.41	147	359	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:

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

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

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

$$\text{Margin} = \text{Limit(dBμV/m)} - \text{Level(dBμV/m)}$$
- 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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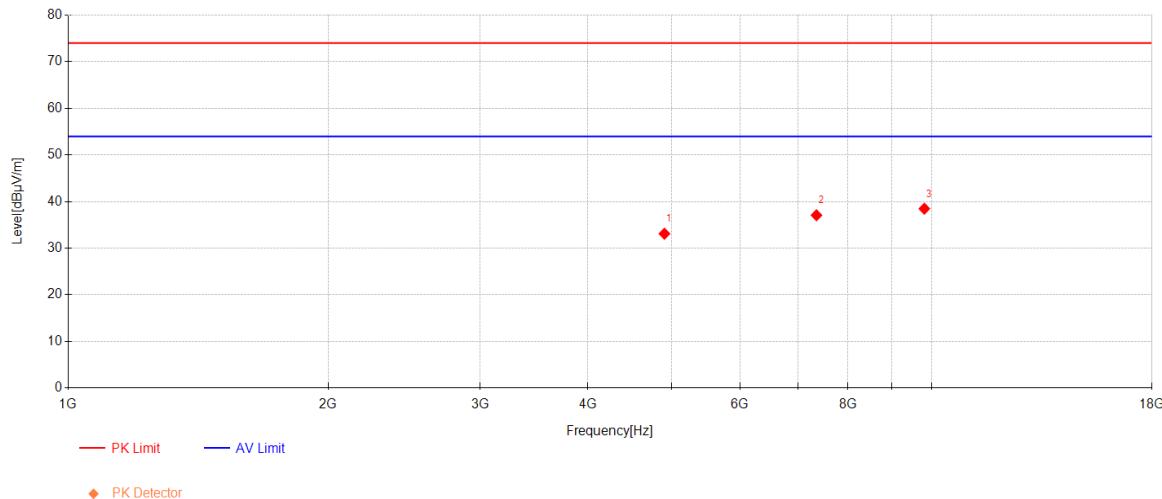


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Test on the worst case:

802.11n40_Channel 09



Data List								
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB μ V/m]	Factor [dB]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Polarity
1	4904	41.32	32.99	-41.21	33.10	74.00	40.90	Horizontal
2	7356	38.29	36.43	-37.66	37.06	74.00	36.94	Horizontal
3	9808	33.68	37.84	-33.06	38.46	74.00	35.54	Horizontal



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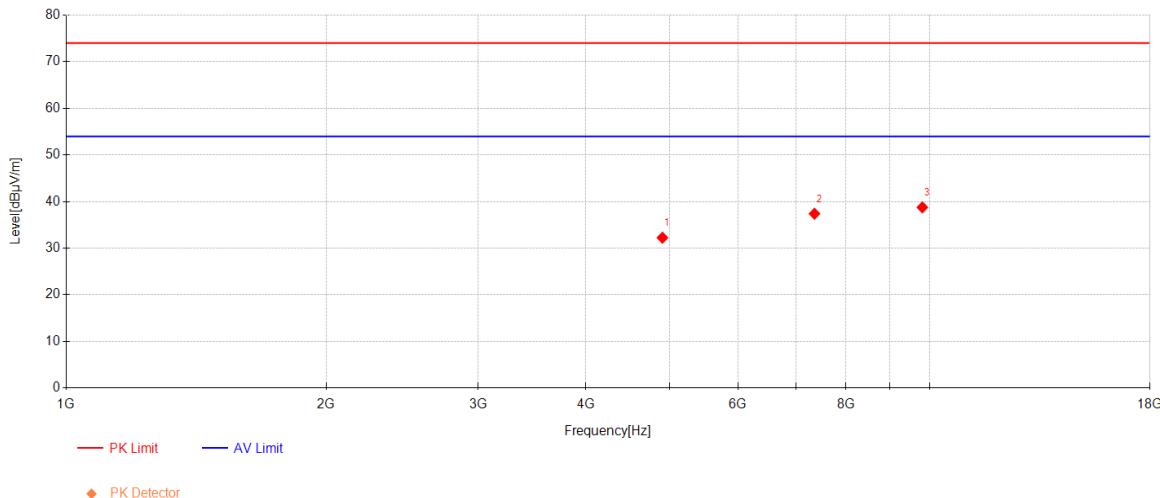
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802.11n40_Channel 09



Data List								
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Polarity
1	4904	40.46	32.99	-41.21	32.24	74.00	41.76	Vertical
2	7356	38.62	36.43	-37.66	37.39	74.00	36.61	Vertical
3	9808	33.98	37.84	-33.06	38.76	74.00	35.24	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:

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

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

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

$$\text{Margin} = \text{Limit(dB}\mu\text{V/m)} - \text{Level(dB}\mu\text{V/m)}$$
- 2) Both peak and average measured complies with the limit line, so test result is "PASS"



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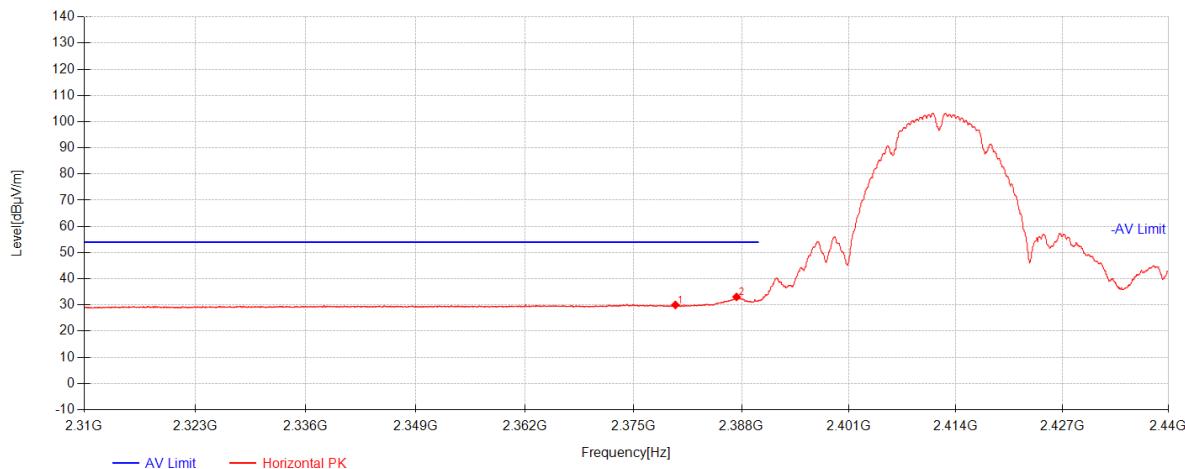
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Restricted bands around fundamental frequency

802.11b_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	2380.0267	26.62	26.96	-23.57	30.01	54.00	23.99	137	49	Horizontal	
2	2387.3933	29.67	26.98	-23.57	33.08	54.00	20.92	137	49	Horizontal	



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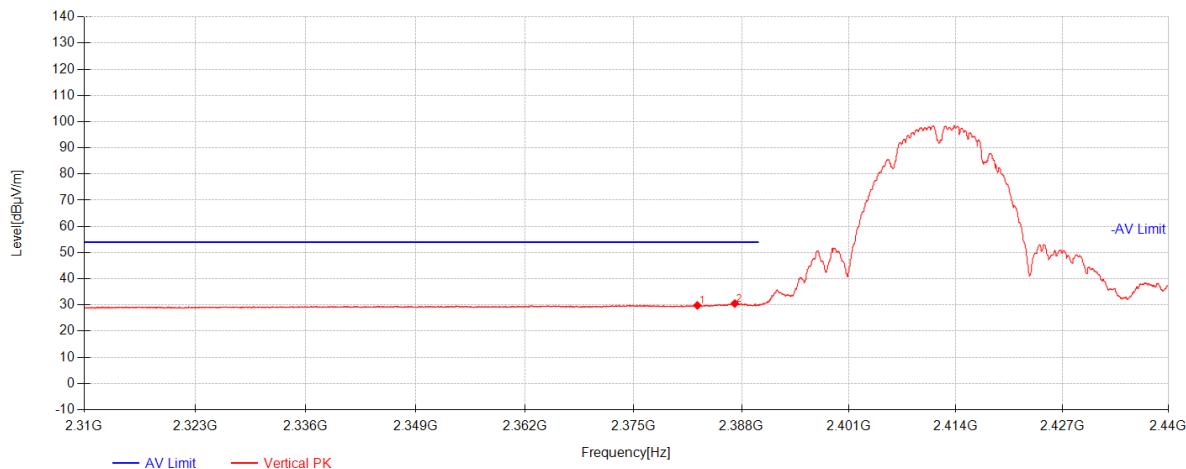
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Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2382.67	26.42	26.97	-23.57	29.82	54.00	24.18	203	175	Vertical
2	2387.1767	27.13	26.98	-23.57	30.54	54.00	23.46	203	175	Vertical



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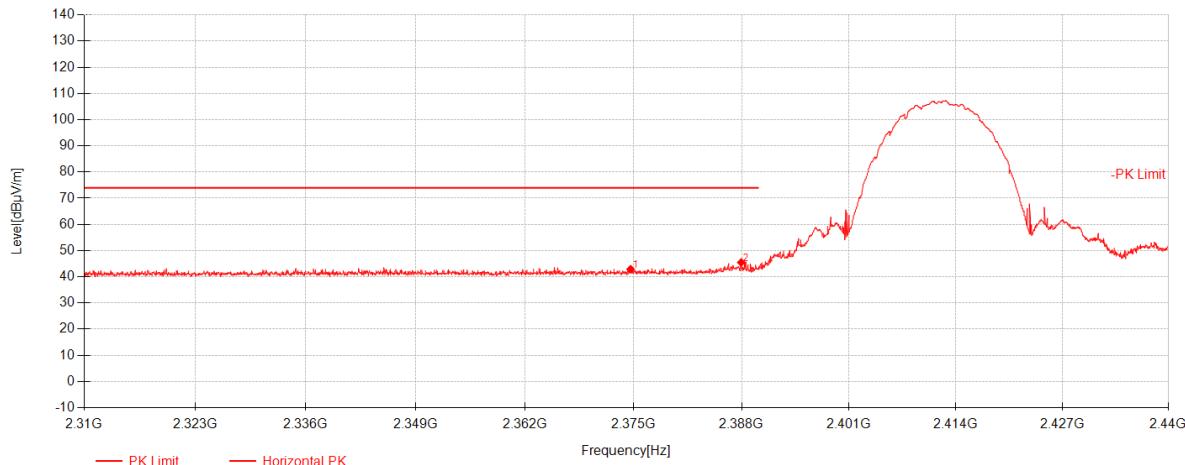
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Data List										
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1	2374.6533	39.51	26.95	-23.57	42.89	74.00	31.11	137	49	Horizontal
2	2387.9567	42.06	26.99	-23.57	45.48	74.00	28.52	137	49	Horizontal



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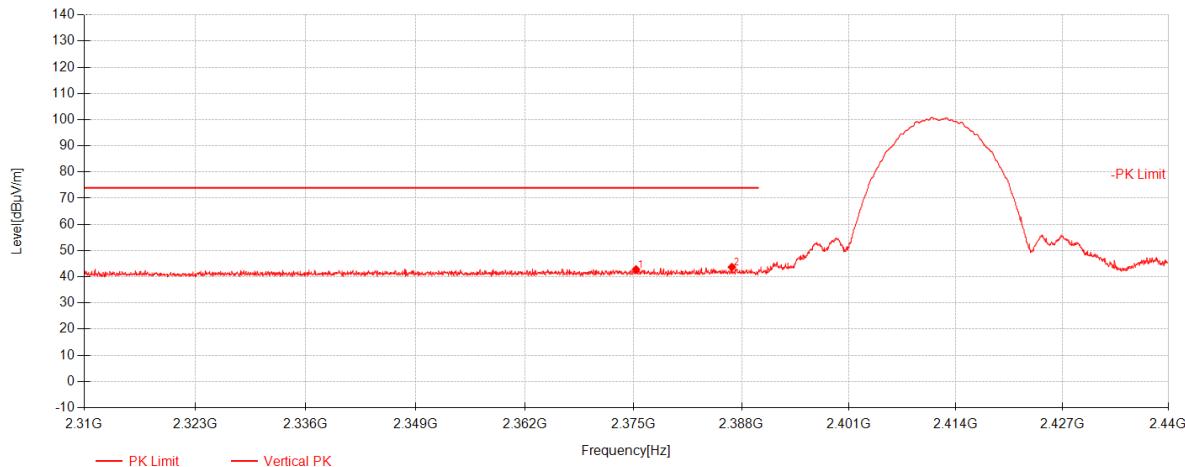
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Data List										
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1	2375.3033	39.44	26.95	-23.57	42.82	74.00	31.18	203	175	Vertical
2	2386.83	40.28	26.98	-23.57	43.69	74.00	30.31	203	175	Vertical



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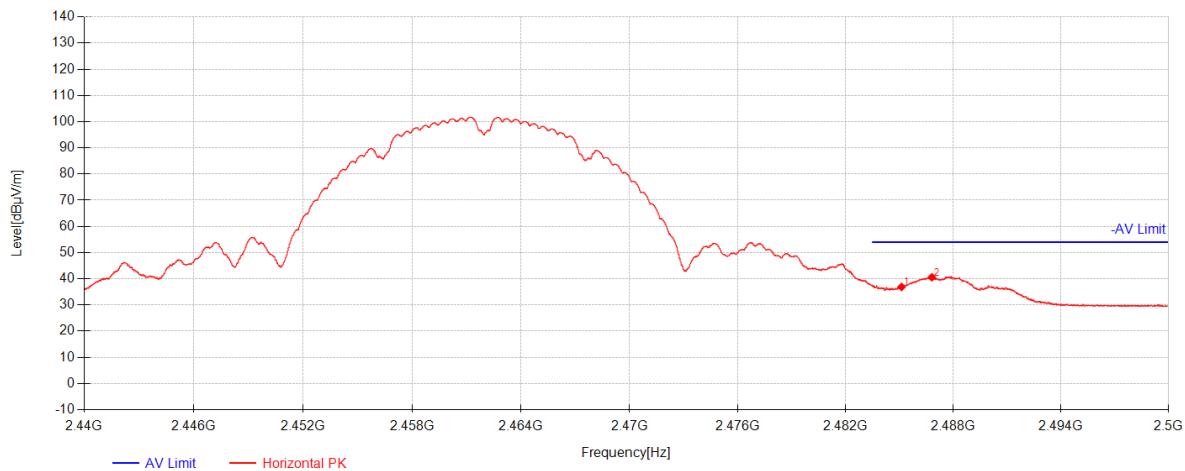
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1	2485.1125	33.18	27.26	-23.54	36.89	54.00	17.11	188	46	Horizontal
2	2486.8	36.86	27.26	-23.54	40.58	54.00	13.42	188	46	Horizontal



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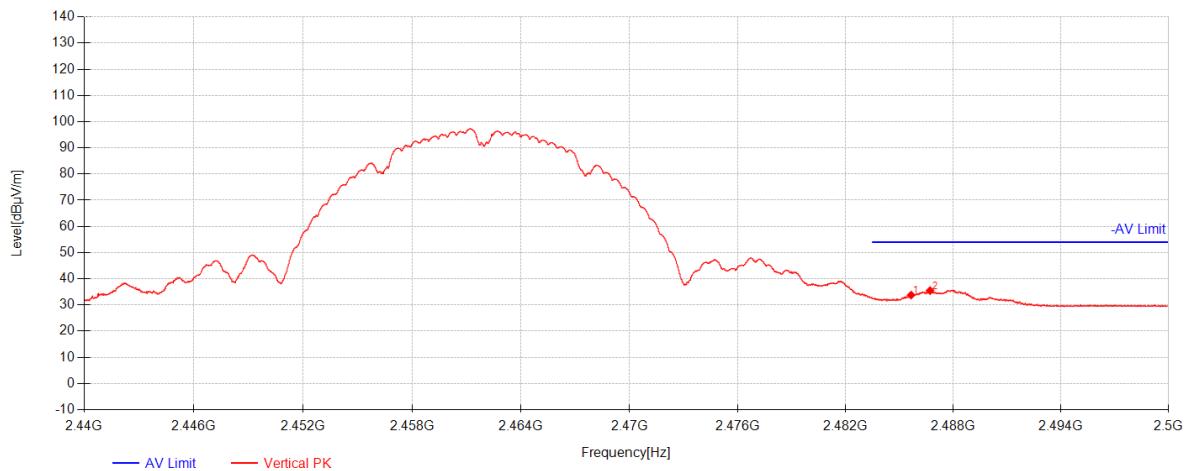
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1	2485.645	30.06	27.26	-23.54	33.78	54.00	20.22	215	192	Vertical
2	2486.7025	31.77	27.26	-23.54	35.49	54.00	18.51	215	192	Vertical



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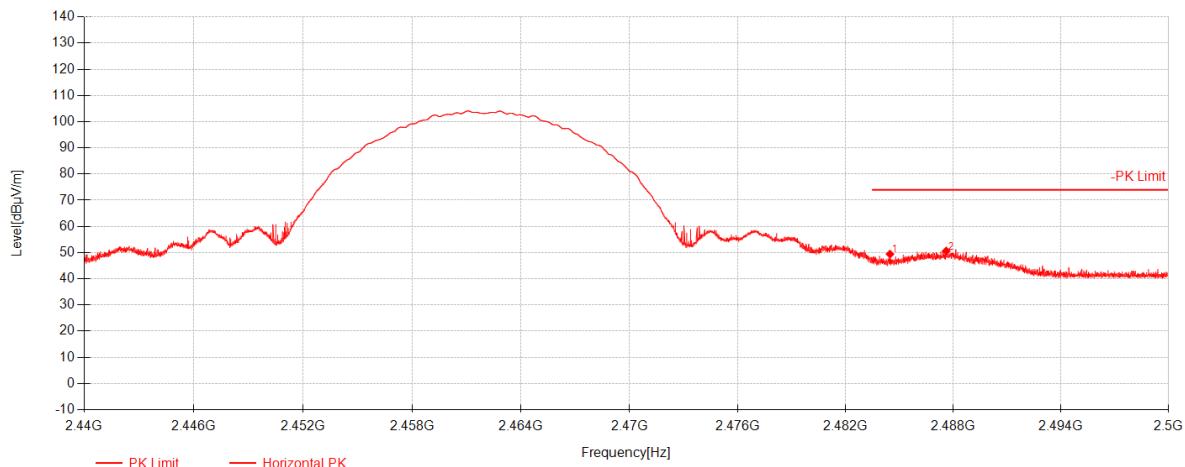
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802.11b_Channel 11



Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2484.4675	45.72	27.26	-23.54	49.43	74.00	24.57	188	46	Horizontal
2	2487.6025	46.91	27.27	-23.54	50.63	74.00	23.37	188	46	Horizontal



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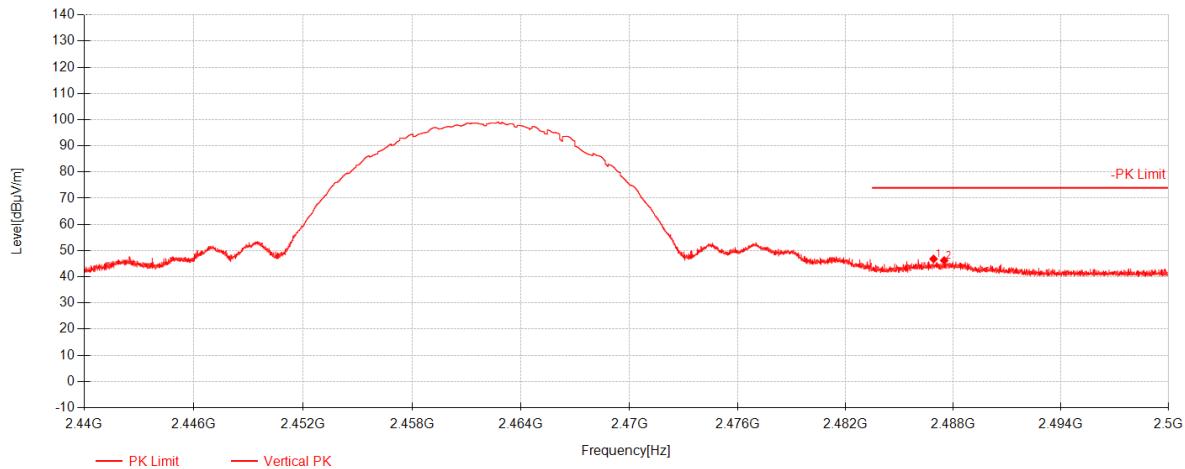
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802.11b_Channel 11



Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2486.8975	43.09	27.26	-23.54	46.81	74.00	27.19	215	192	Vertical
2	2487.49	42.51	27.26	-23.54	46.23	74.00	27.77	215	192	Vertical



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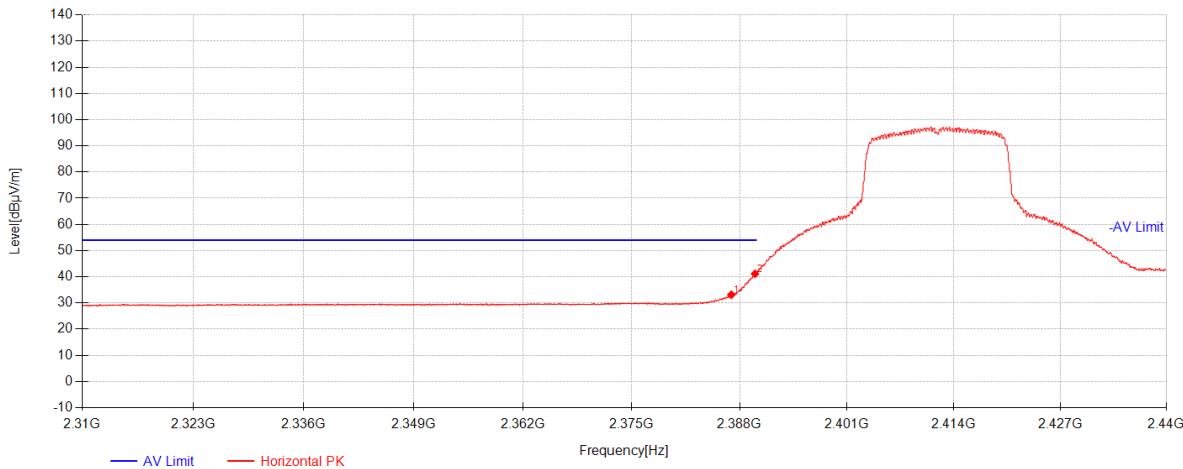
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802.11g_Channel 01



Data List										
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1	2387.0033	29.73	26.98	-23.57	33.14	54.00	20.86	177	124	Horizontal
2	2389.8633	37.71	26.99	-23.57	41.13	54.00	12.87	177	124	Horizontal



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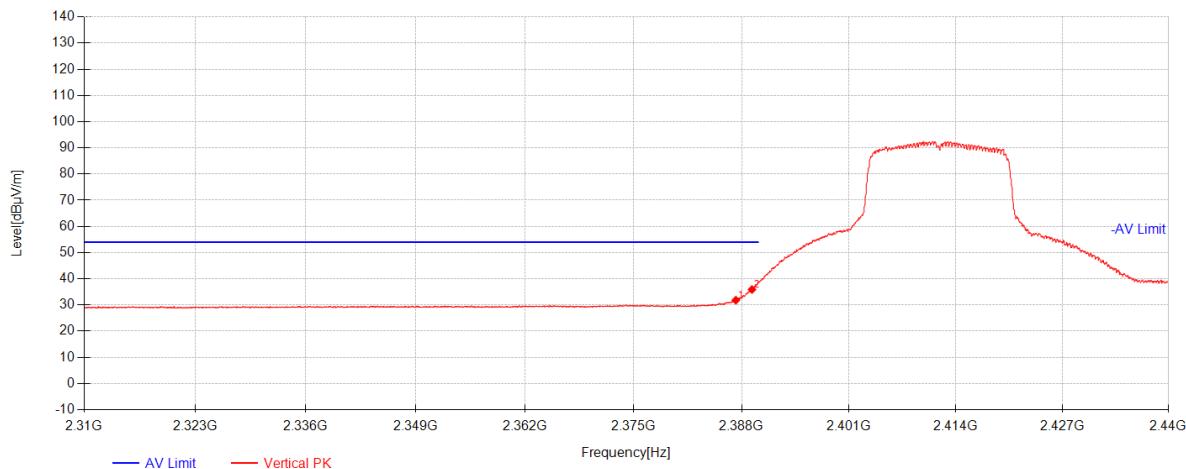
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Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2387.3067	28.41	26.98	-23.57	31.82	54.00	22.18	123	357	Vertical
2	2389.2567	32.48	26.99	-23.57	35.90	54.00	18.10	123	357	Vertical



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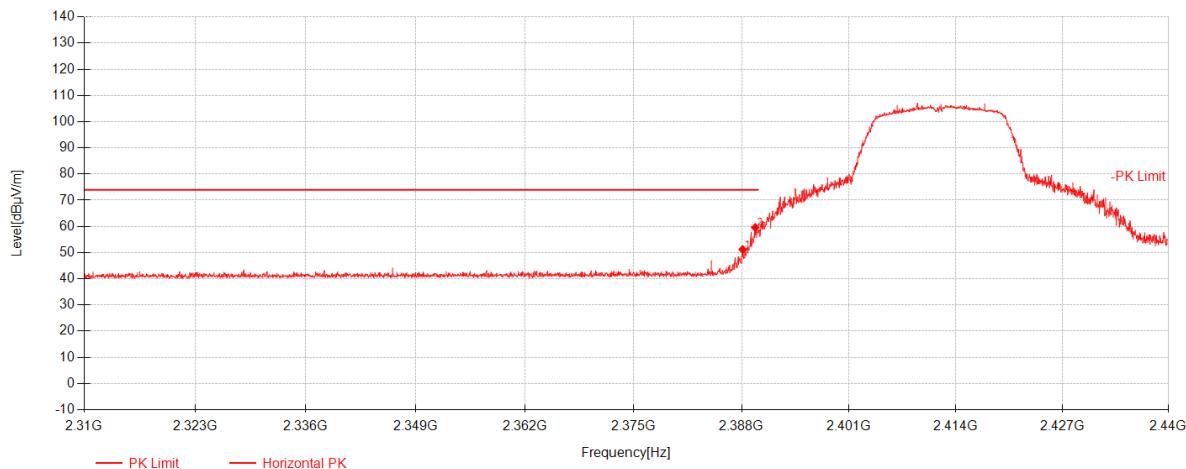
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Data List										
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2388.13	47.82	26.99	-23.57	51.24	74.00	22.76	177	124	Horizontal
2	2389.6467	56.21	26.99	-23.57	59.63	74.00	14.37	177	124	Horizontal



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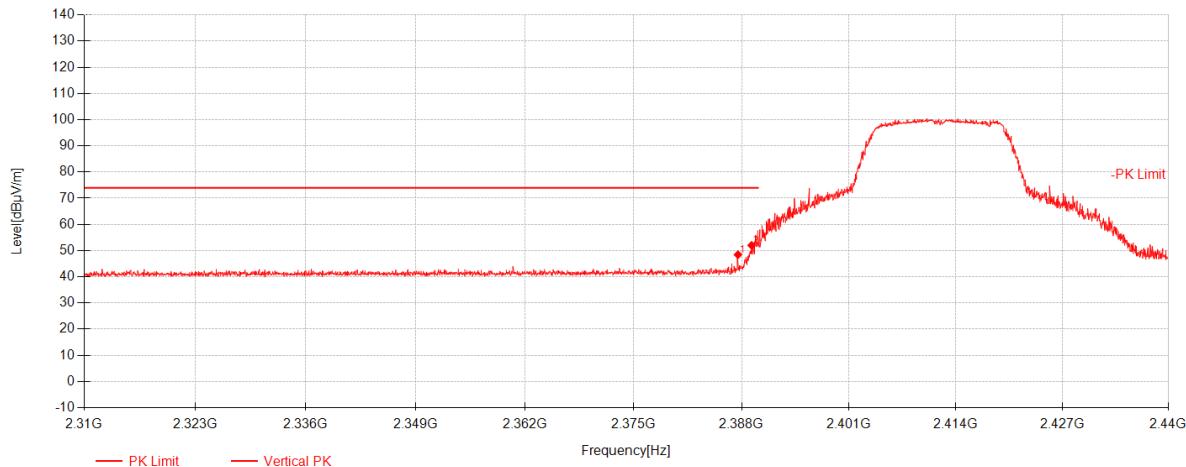
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NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2387.5667	45.02	26.99	-23.57	48.43	74.00	25.57	123	357	Vertical
2	2389.2133	48.58	26.99	-23.57	52.00	74.00	22.00	123	357	Vertical



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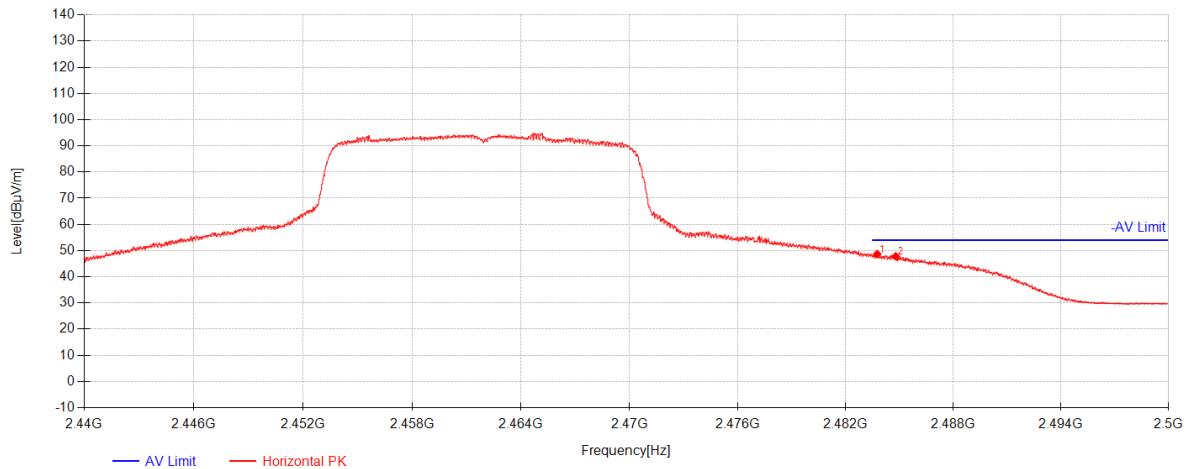
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1	2483.755	44.97	27.25	-23.54	48.68	54.00	5.32	156	40	Horizontal
2	2484.79	44.11	27.26	-23.54	47.82	54.00	6.18	156	40	Horizontal



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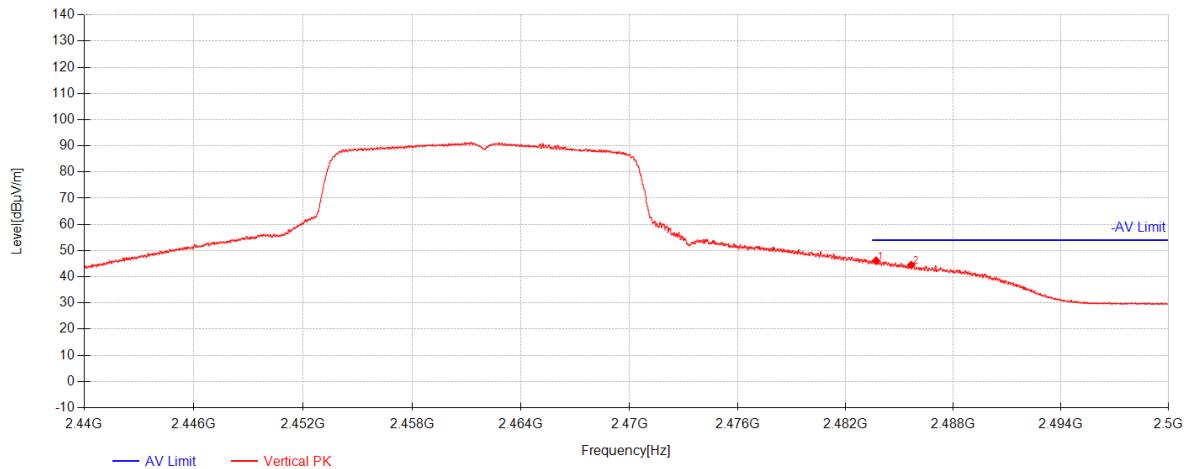
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1	2483.695	42.42	27.25	-23.54	46.13	54.00	7.87	188	55	Vertical	
2	2485.645	40.76	27.26	-23.54	44.48	54.00	9.52	188	55	Vertical	



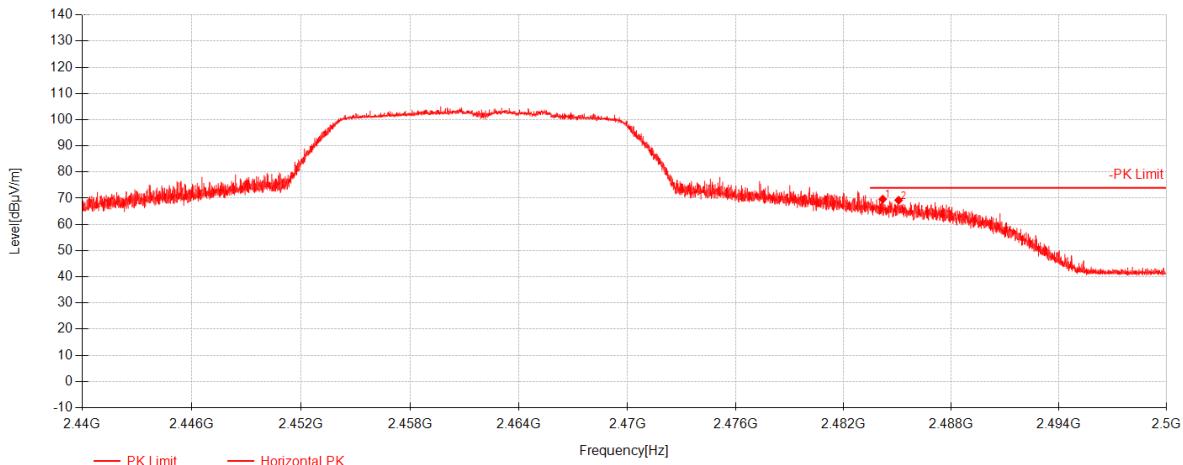
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1	2484.175	65.95	27.26	-23.54	69.66	74.00	4.34	156	40	Horizontal
2	2485.06	65.53	27.26	-23.54	69.24	74.00	4.76	156	40	Horizontal



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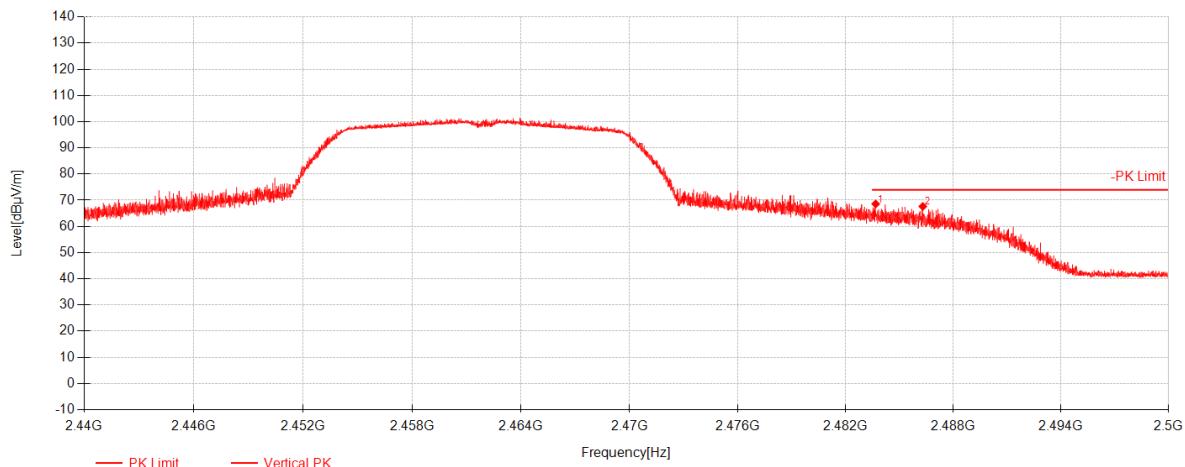
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1	2483.6725	64.89	27.25	-23.54	68.60	74.00	5.40	188	55	Vertical
2	2486.2975	63.93	27.26	-23.54	67.65	74.00	6.35	188	55	Vertical



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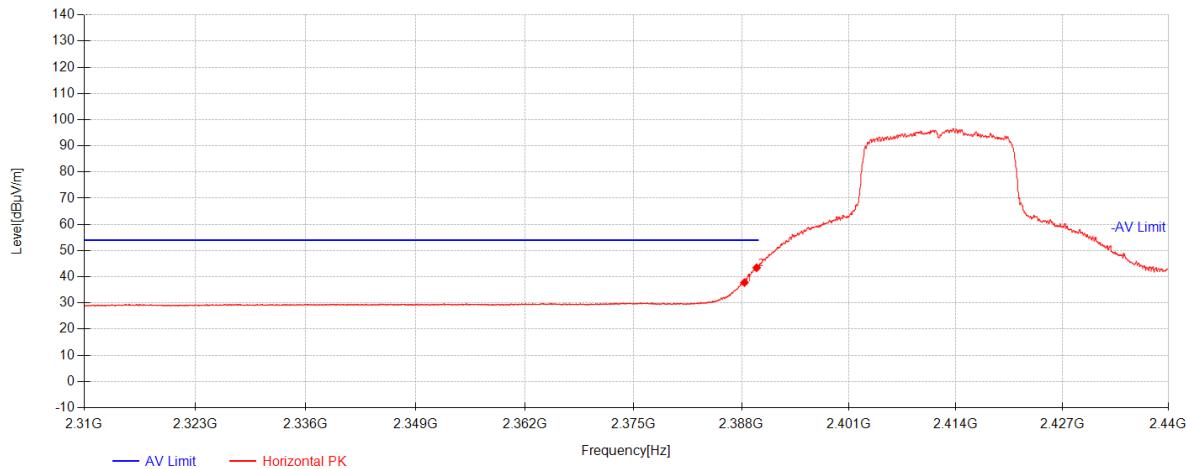
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Report No.: SEWM2309000392RG02
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802.11n20_Channel 01



Data List										
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2388.3467	34.38	26.99	-23.57	37.80	54.00	16.20	288	126	Horizontal
2	2389.82	40.03	26.99	-23.57	43.45	54.00	10.55	288	126	Horizontal



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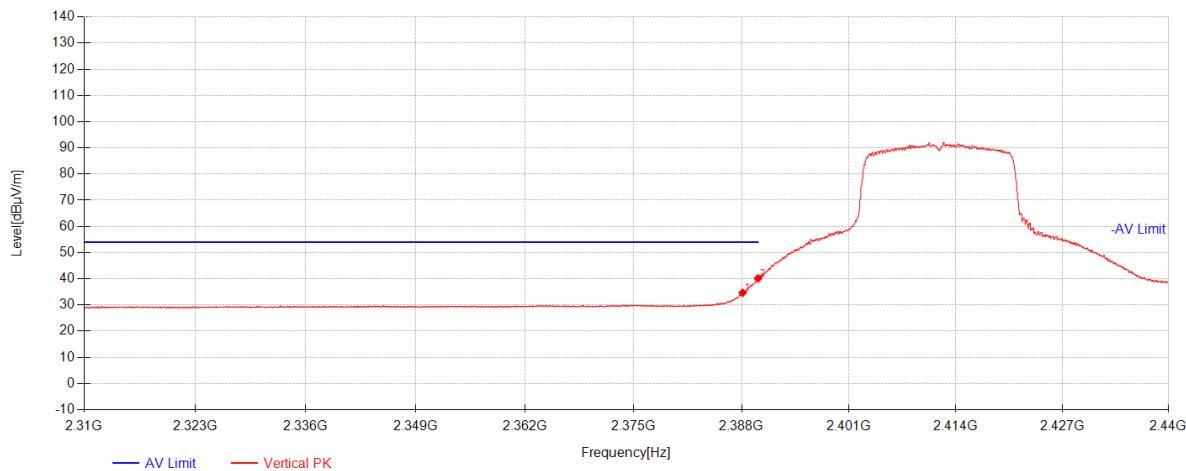
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Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2388.13	31.24	26.99	-23.57	34.66	54.00	19.34	155	4	Vertical
2	2389.9933	36.72	26.99	-23.57	40.14	54.00	13.86	155	4	Vertical



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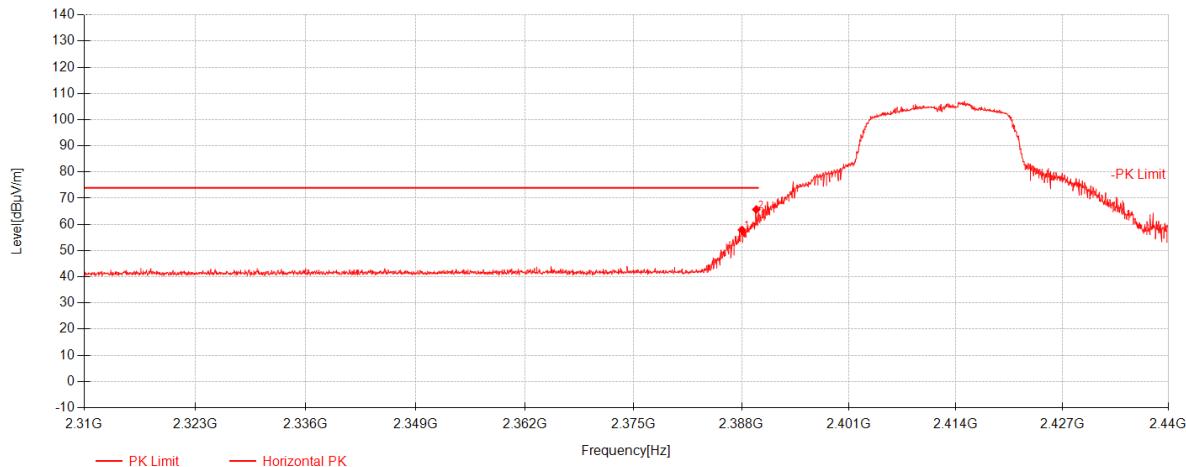
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802.11n20_Channel 01

Data List										
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2388.0433	54.47	26.99	-23.57	57.89	74.00	16.11	288	126	Horizontal
2	2389.7767	62.29	26.99	-23.57	65.71	74.00	8.29	288	126	Horizontal



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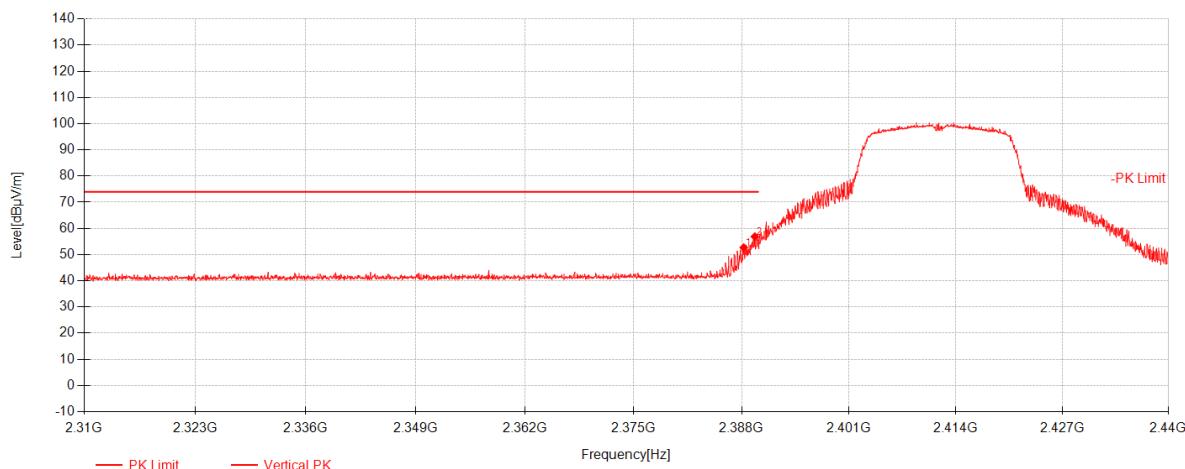
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Data List										
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2388.26	49.28	26.99	-23.57	52.70	74.00	21.30	155	4	Vertical
2	2389.6033	53.46	26.99	-23.57	56.88	74.00	17.12	155	4	Vertical



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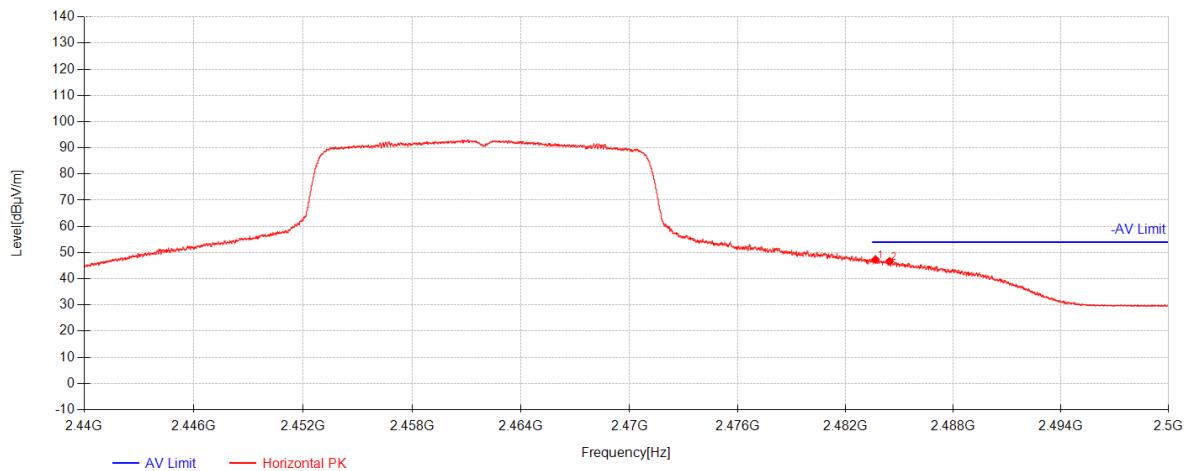
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Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2483.6575	43.67	27.25	-23.54	47.38	54.00	6.62	123	44	Horizontal
2	2484.445	43.03	27.26	-23.54	46.74	54.00	7.26	123	44	Horizontal



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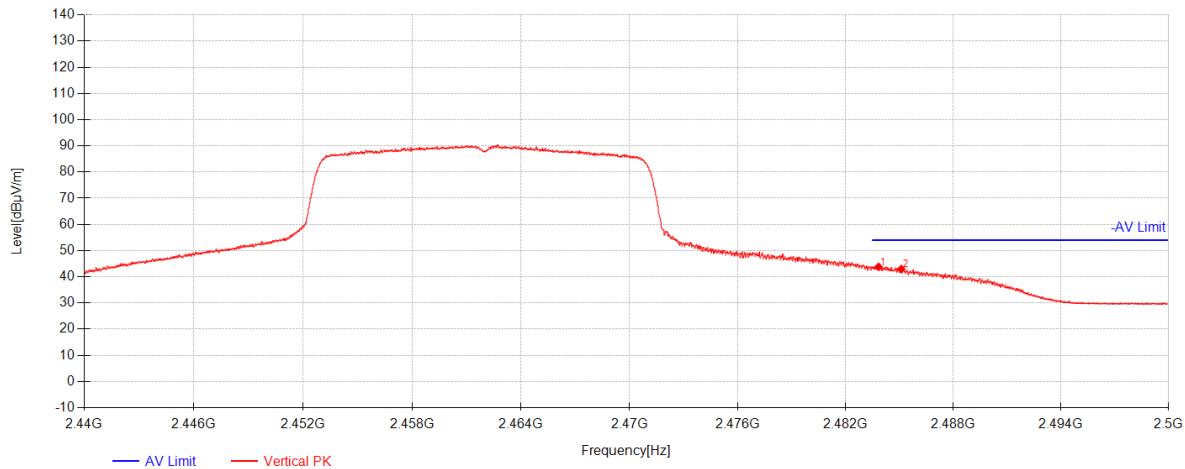
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Data List										
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2483.8375	40.10	27.25	-23.54	43.81	54.00	10.19	169	180	Vertical
2	2485.0975	39.26	27.26	-23.54	42.97	54.00	11.03	169	180	Vertical



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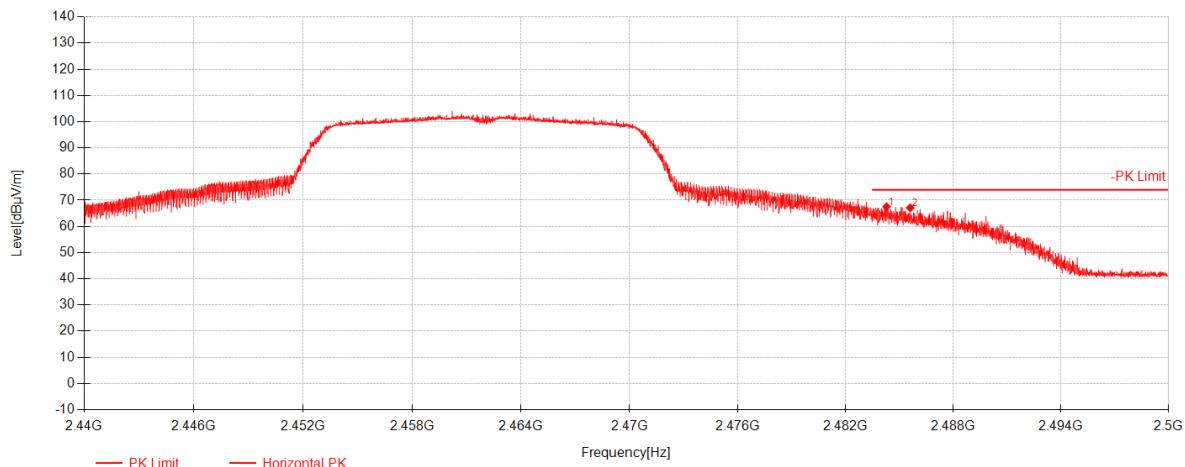
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Data List										
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1	2484.28	63.86	27.26	-23.54	67.57	74.00	6.43	123	44	Horizontal
2	2485.5925	63.40	27.26	-23.54	67.12	74.00	6.88	123	44	Horizontal



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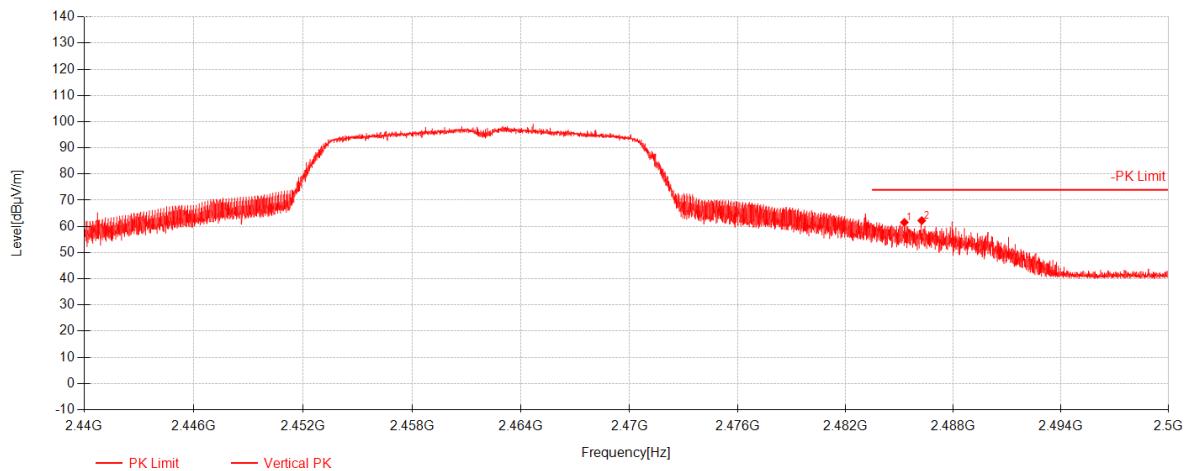
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Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2485.27	57.85	27.26	-23.54	61.56	74.00	12.44	169	180	Vertical
2	2486.2375	58.51	27.26	-23.54	62.23	74.00	11.77	169	180	Vertical

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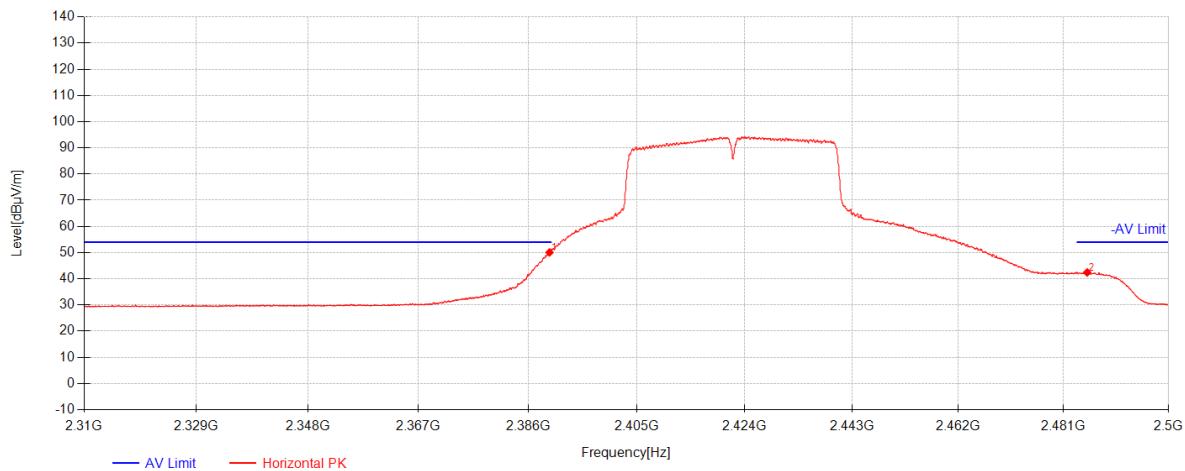
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802.11n40_Channel 03



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	2389.7333	46.65	26.99	-23.57	50.07	54.00	3.93	256	122	Horizontal
2	2485.3	38.71	27.26	-23.54	42.42	54.00	11.58	256	122	Horizontal



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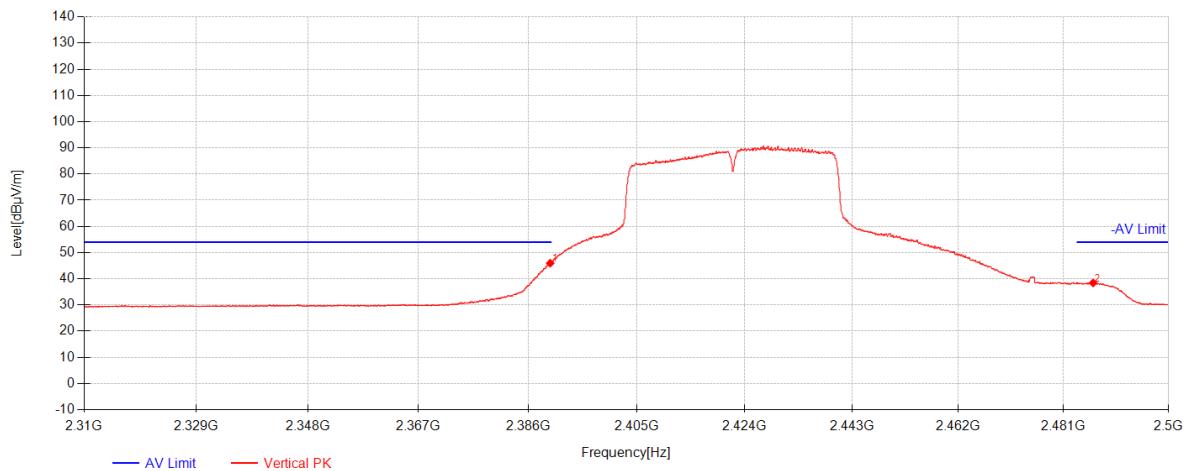
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Data List											
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	2389.8633	42.53	26.99	-23.57	45.95	54.00	8.05	289	351	Vertical	
2	2486.38	34.69	27.26	-23.54	38.41	54.00	15.59	289	351	Vertical	



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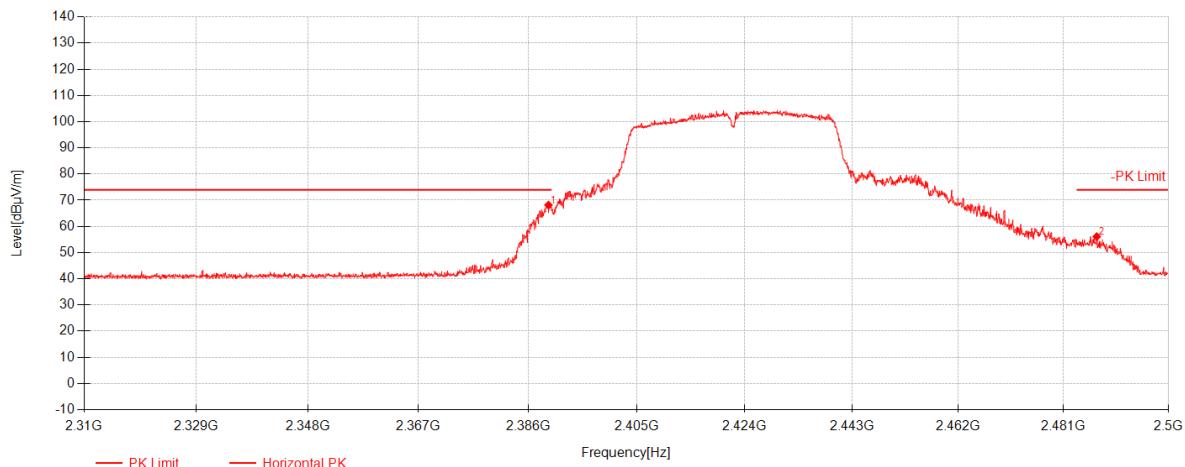
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Report No.: SEWM2309000392RG02
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802.11n40_Channel 03

Data List										
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2389.56	64.75	26.99	-23.57	68.17	74.00	5.83	256	122	Horizontal
2	2487.04	52.40	27.26	-23.54	56.12	74.00	17.88	256	122	Horizontal



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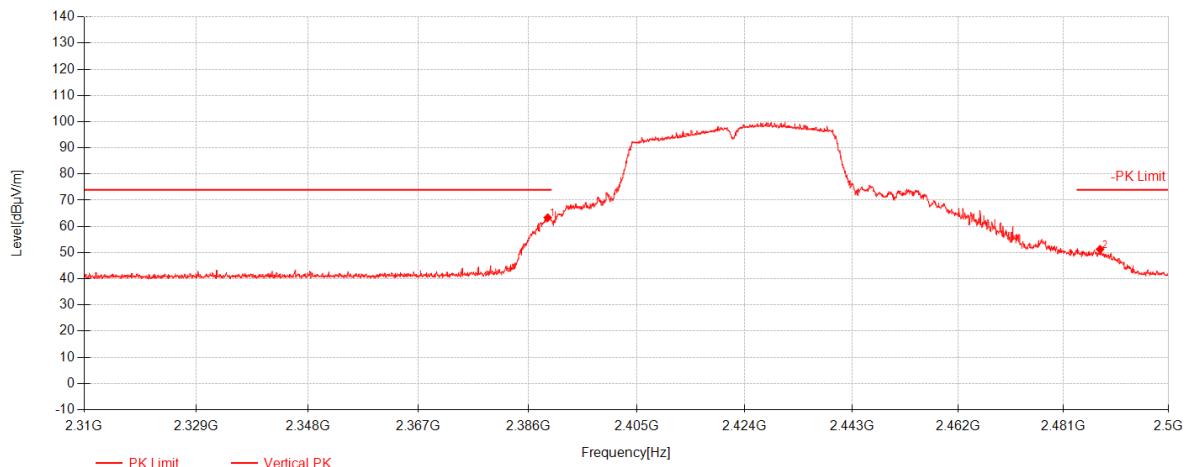
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802.11n40_Channel 03

Data List										
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2389.43	59.94	26.99	-23.57	63.36	74.00	10.64	289	351	Vertical
2	2487.64	47.56	27.27	-23.54	51.28	74.00	22.72	289	351	Vertical



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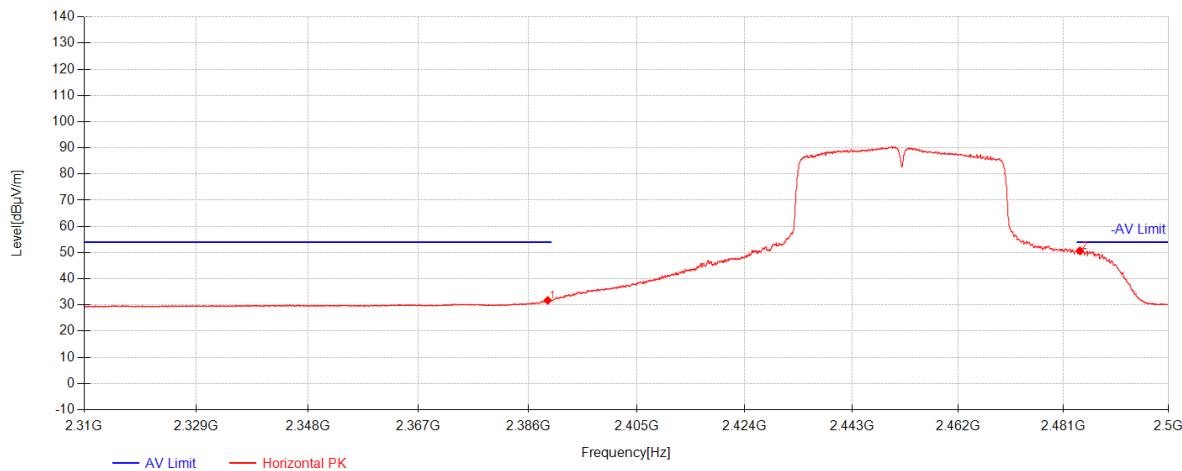
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802.11n40_Channel 09



Data List										
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2389.43	28.32	26.99	-23.57	31.74	54.00	22.26	155	129	Horizontal
2	2483.98	47.01	27.26	-23.54	50.72	54.00	3.28	155	129	Horizontal



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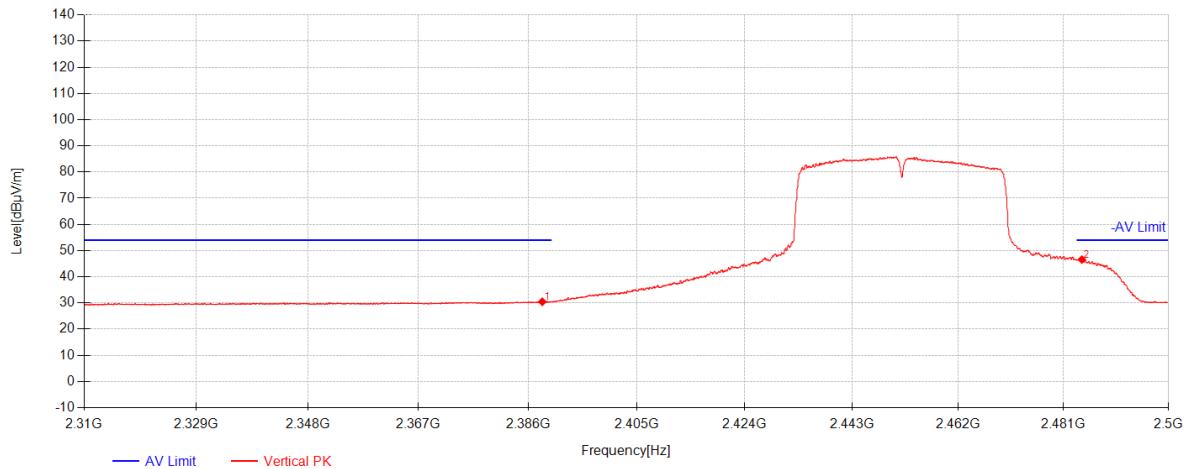
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Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2388.4767	27.04	26.99	-23.57	30.46	54.00	23.54	126	63	Vertical
2	2484.34	42.87	27.26	-23.54	46.58	54.00	7.42	126	63	Vertical



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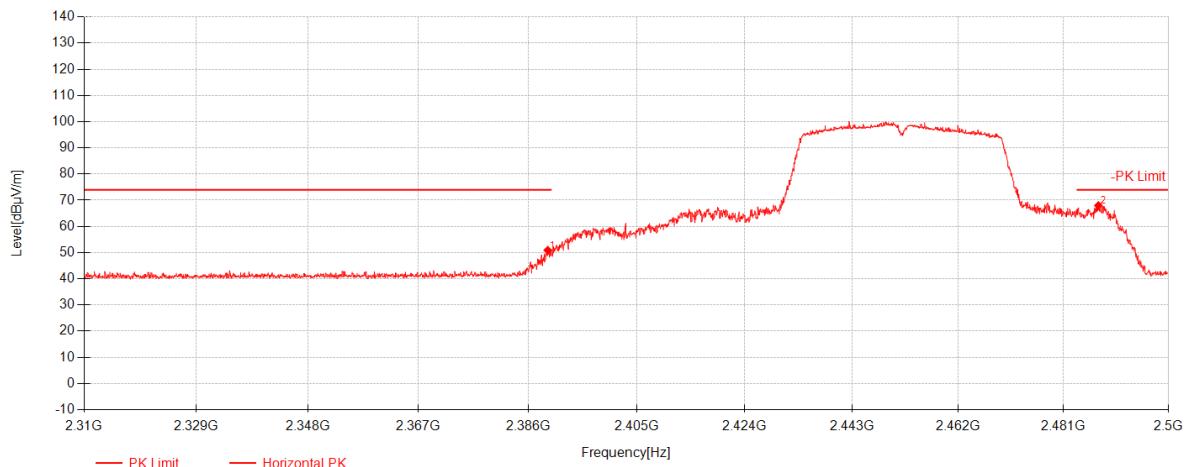
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Data List										
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2389.43	47.49	26.99	-23.57	50.91	74.00	23.09	155	129	Horizontal
2	2487.34	64.27	27.26	-23.54	67.99	74.00	6.01	155	129	Horizontal



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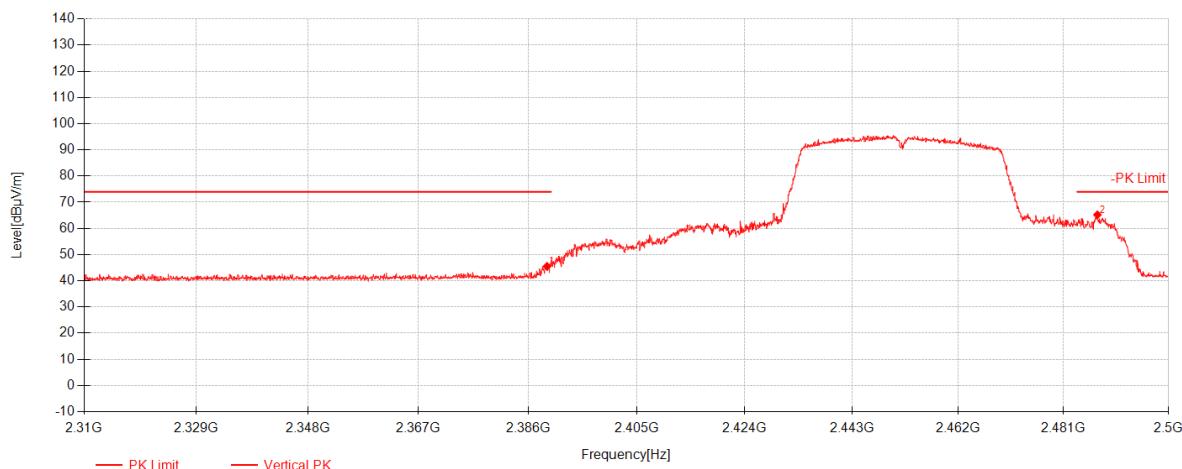
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Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2389.3	42.11	26.99	-23.57	45.53	74.00	28.47	126	63	Vertical
2	2487.16	61.49	27.26	-23.54	65.21	74.00	8.79	126	63	Vertical

Remark:

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

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

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

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

$$\text{Margin} = \text{Limit(dBμV/m)} - \text{Level(dBμV/m)}$$
- Both peak and average measured complies with the limit line, so test result is "PASS"



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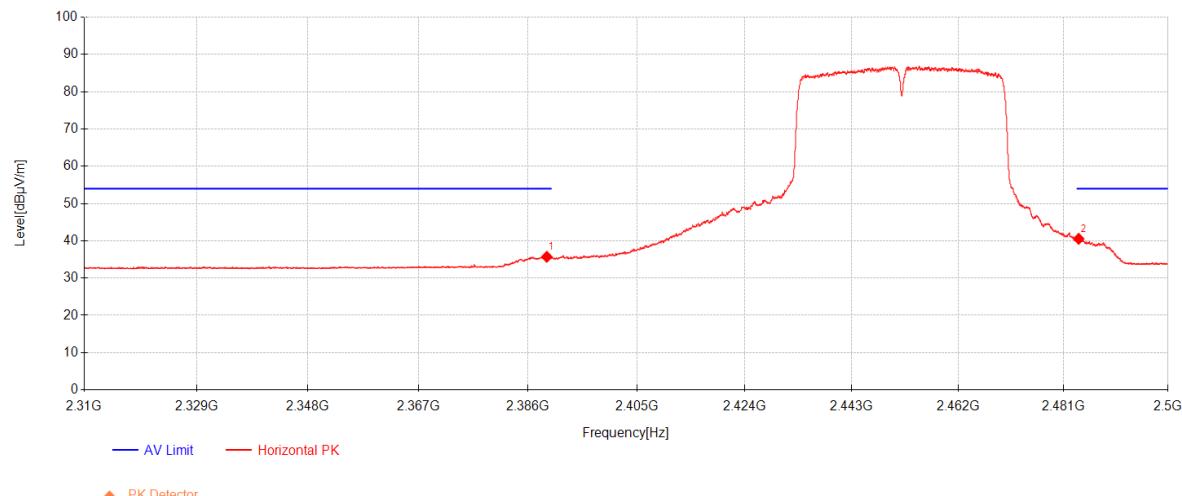
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Test on the worst case:

802.11n40_Channel 09



◆ PK Detector

Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2389.2675	30.67	27.16	-22.11	35.71	54.00	18.29	Horizontal
2	2483.755	35.09	27.36	-21.91	40.54	54.00	13.46	Horizontal



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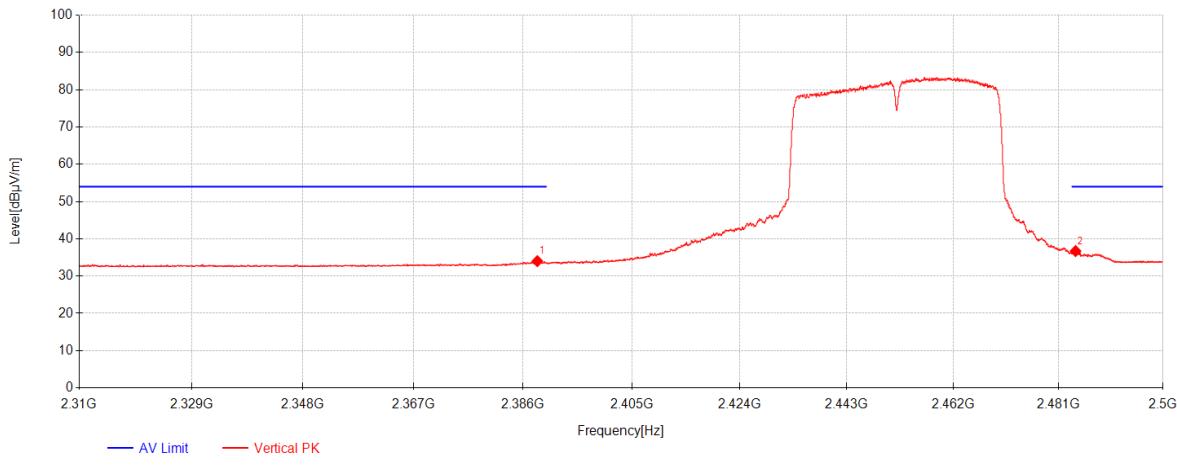
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2388.4875	28.97	27.15	-22.12	34.01	54.00	19.99	Vertical
2	2484.1	31.26	27.37	-21.91	36.71	54.00	17.29	Vertical



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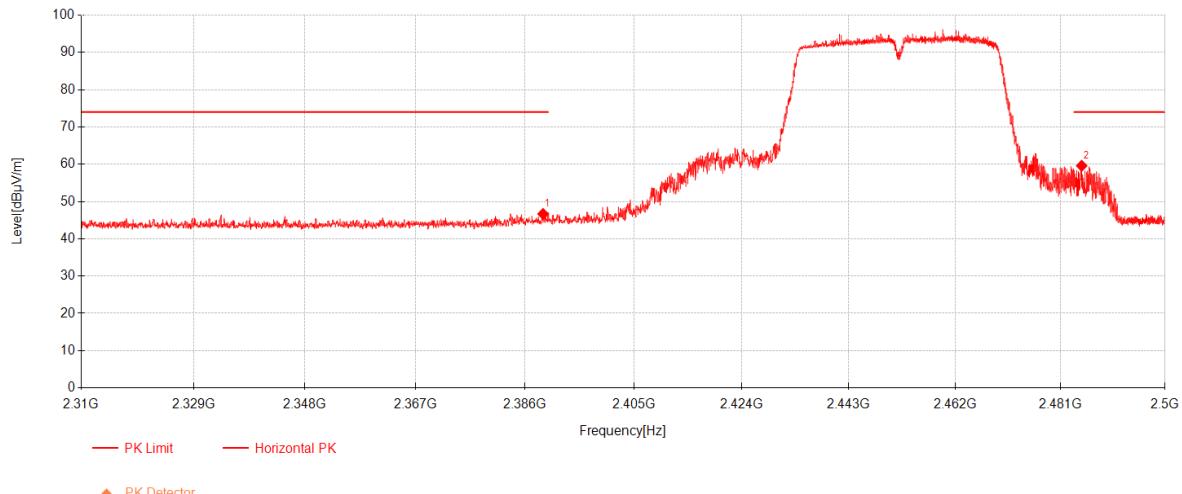
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Data List								
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Polarity
1	2389.1375	41.64	27.16	-22.11	46.68	74.00	27.32	Horizontal
2	2484.85	54.13	27.37	-21.91	59.59	74.00	14.41	Horizontal



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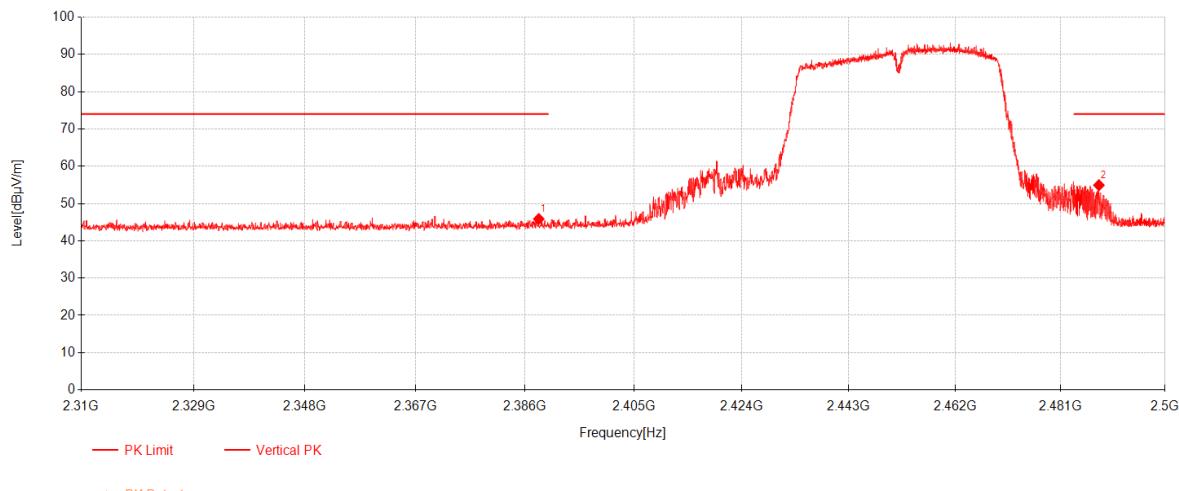
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2388.39	40.81	27.15	-22.12	45.85	74.00	28.15	Vertical
2	2487.97	49.45	27.37	-21.90	54.92	74.00	19.08	Vertical

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---



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