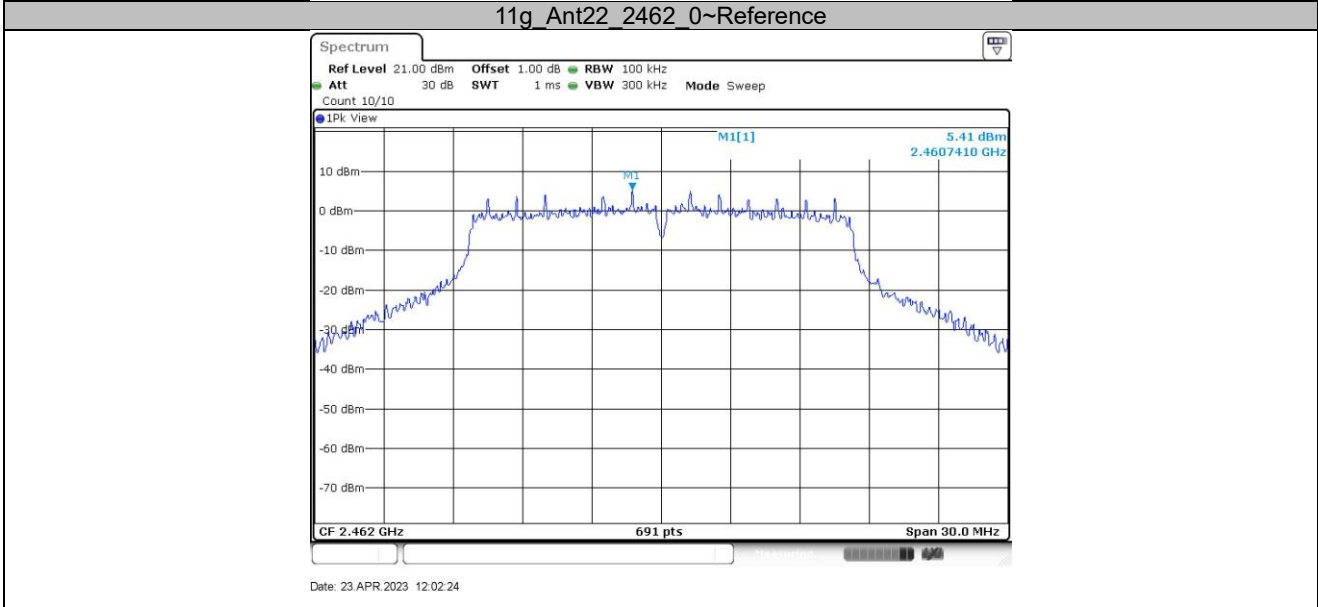
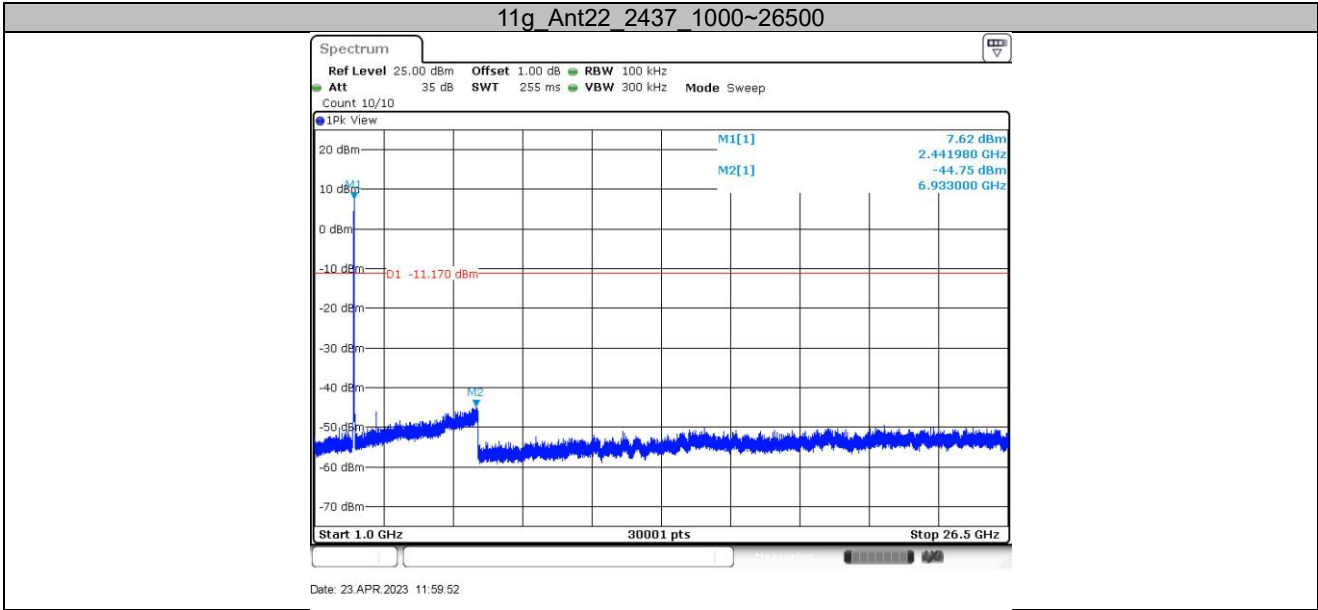




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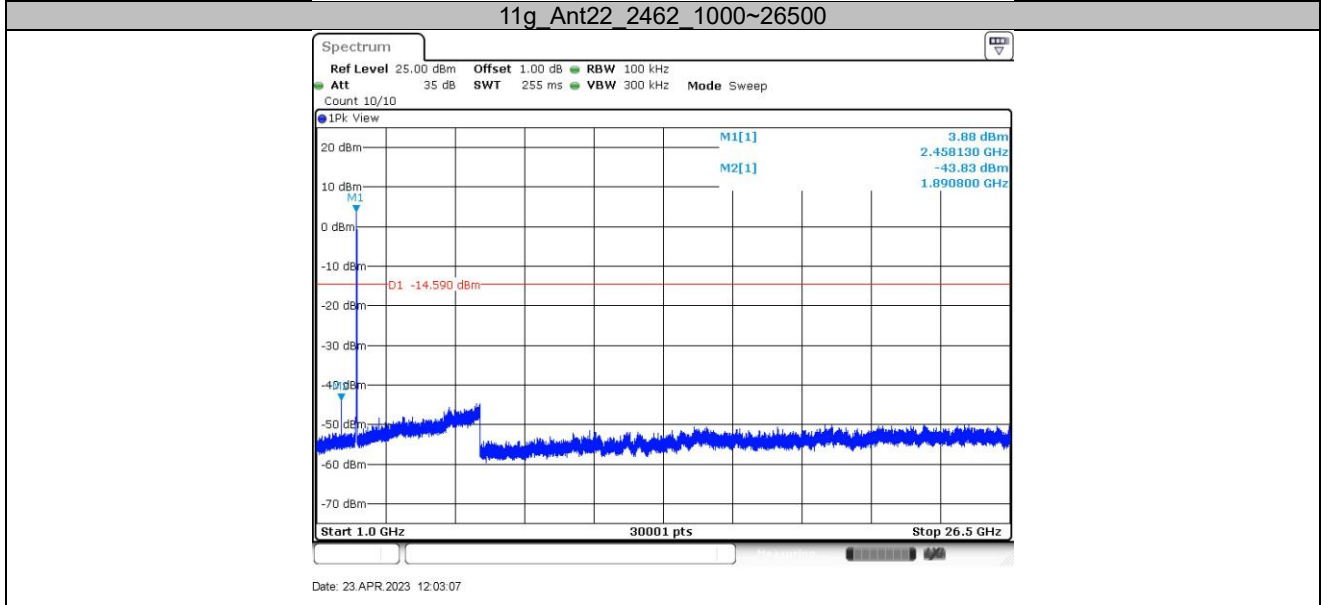
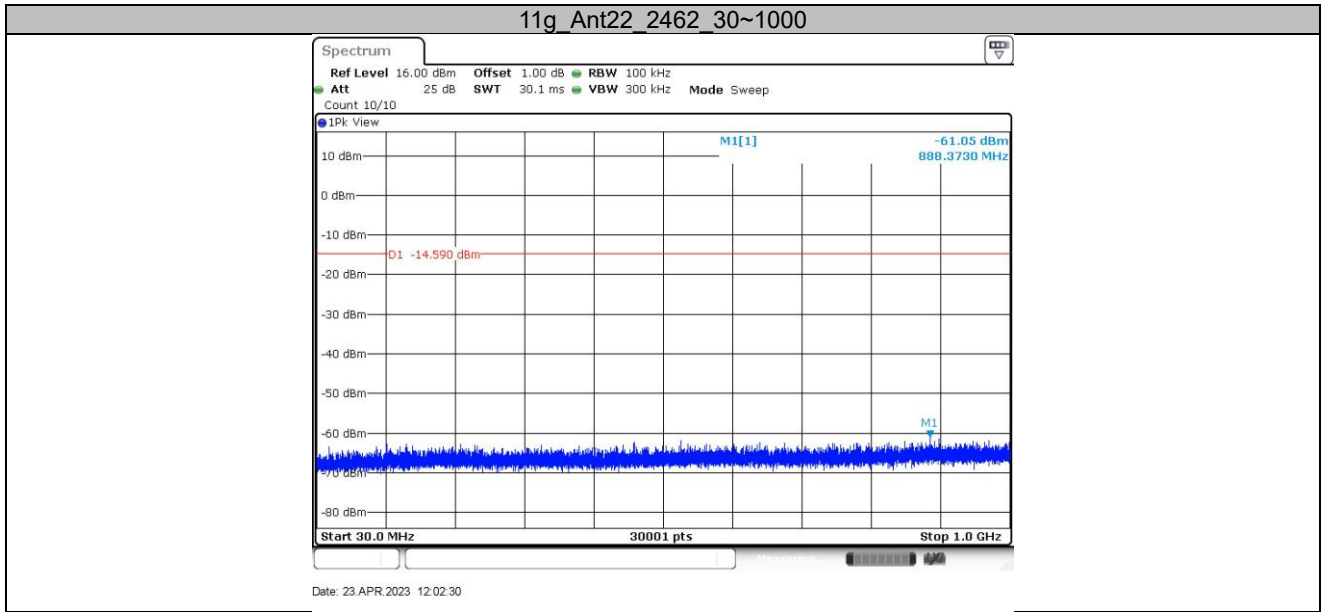
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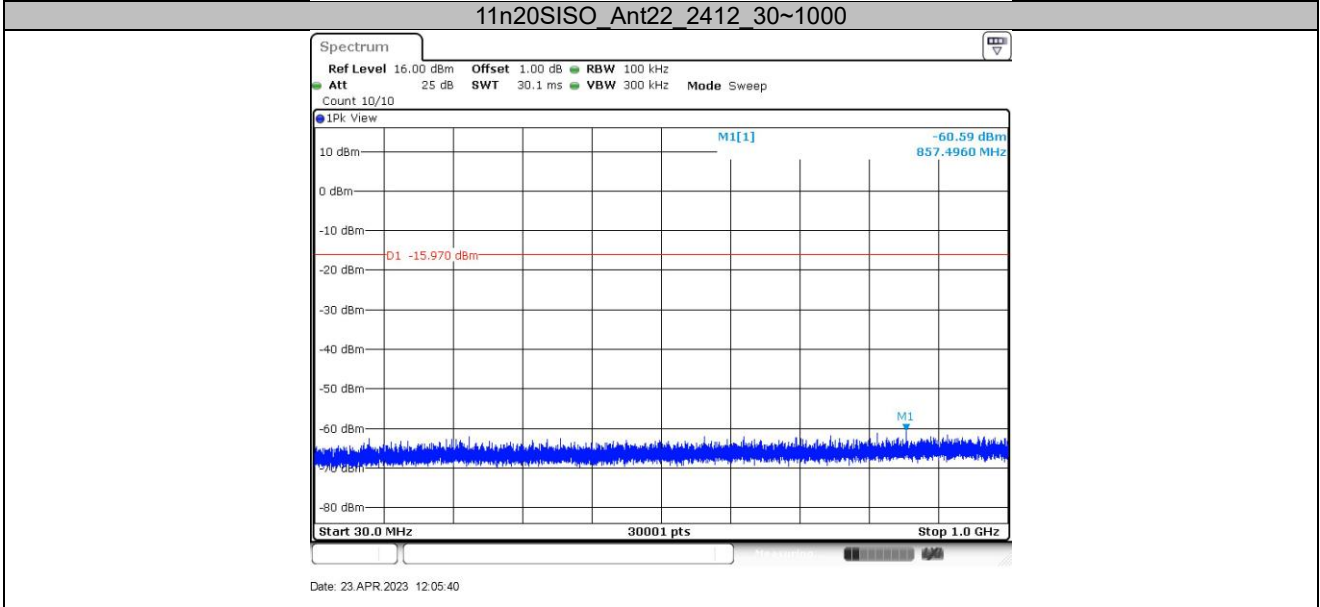
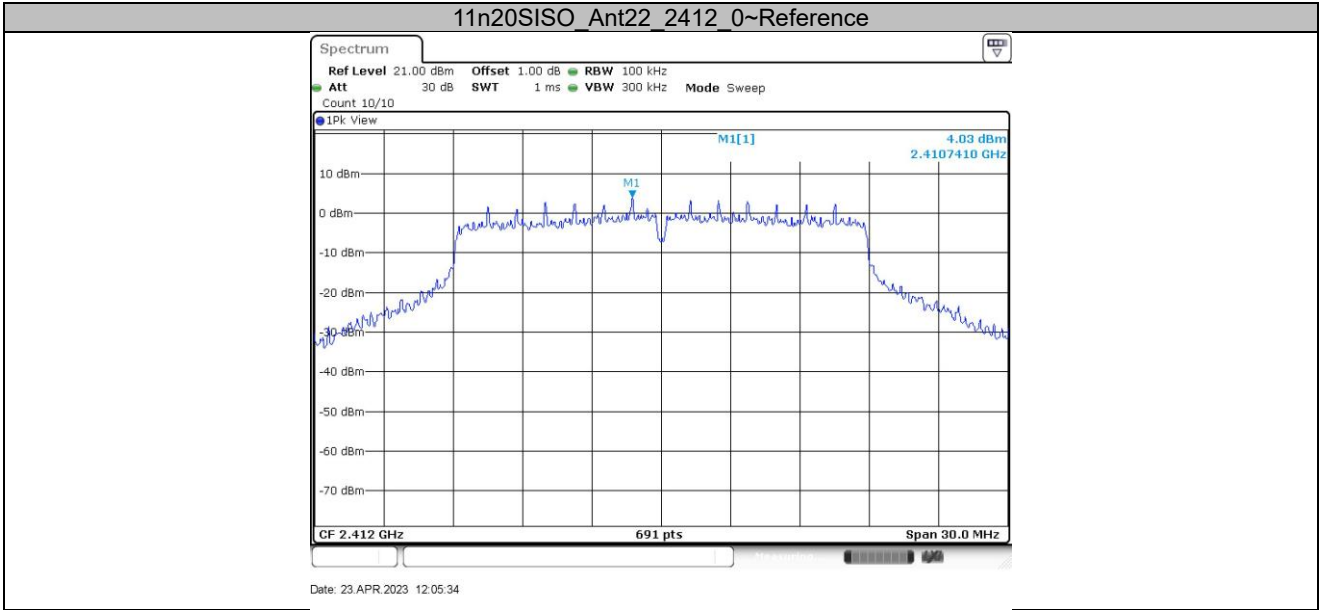
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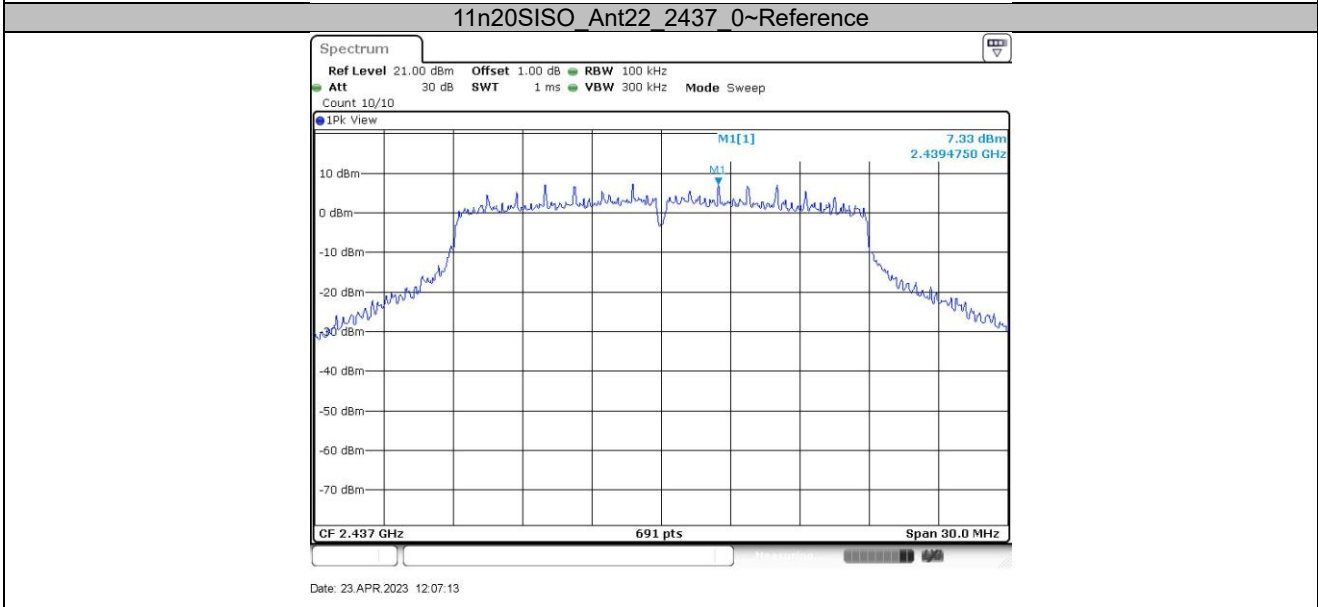
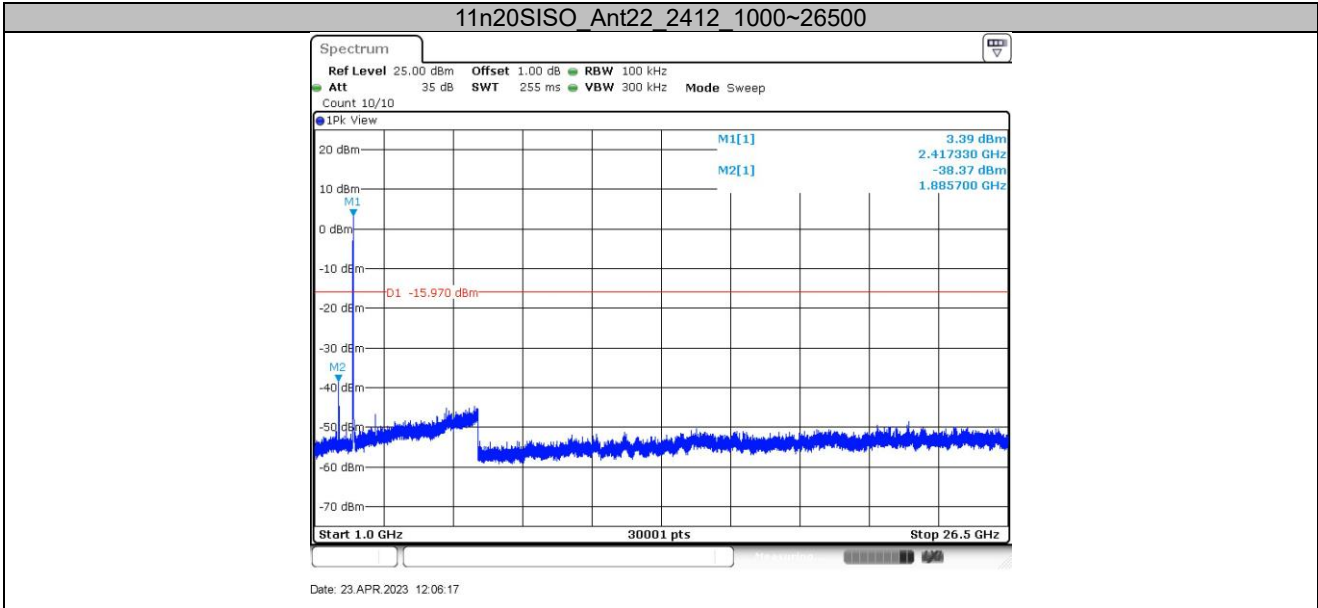
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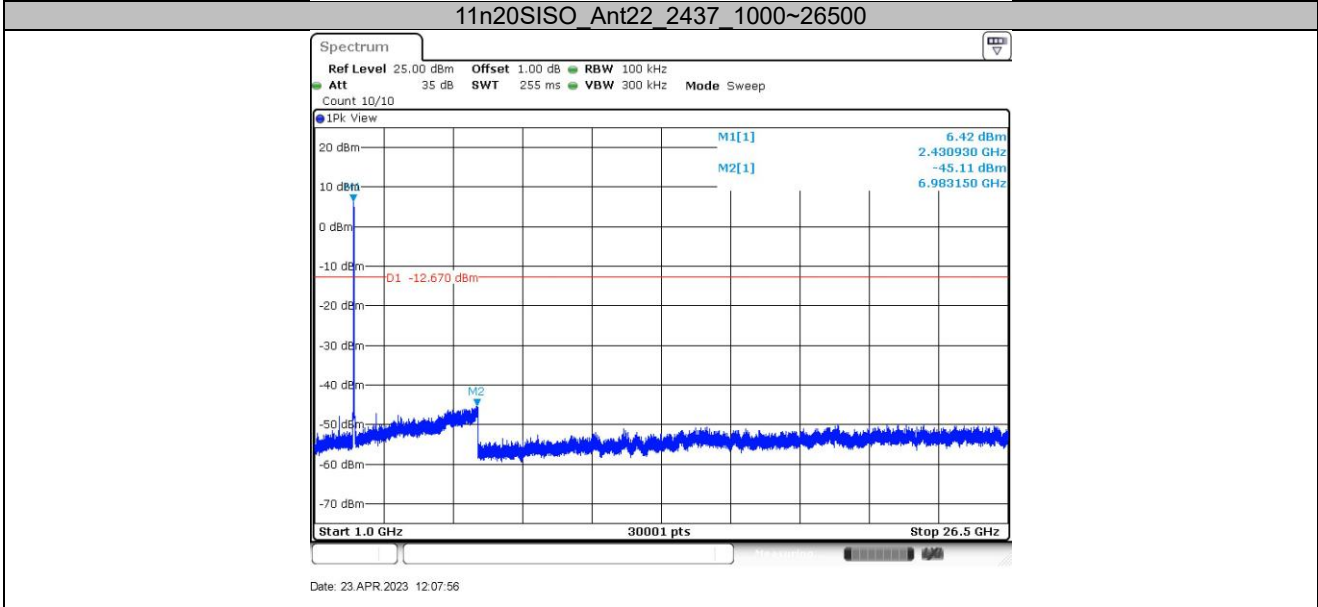
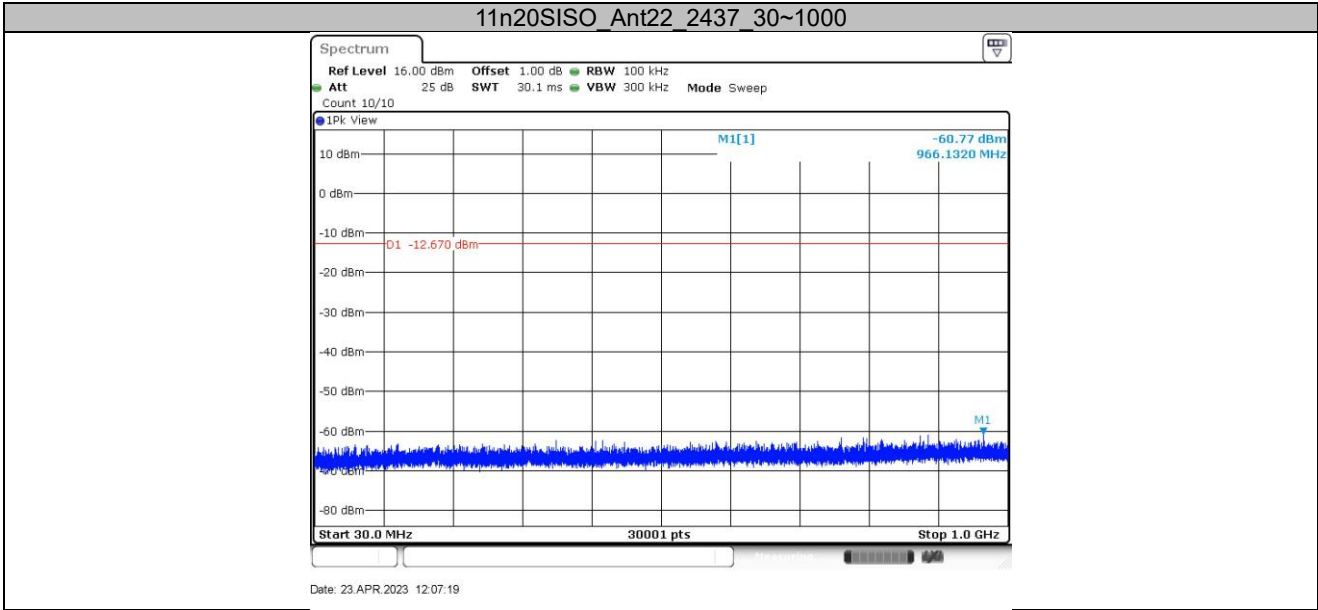
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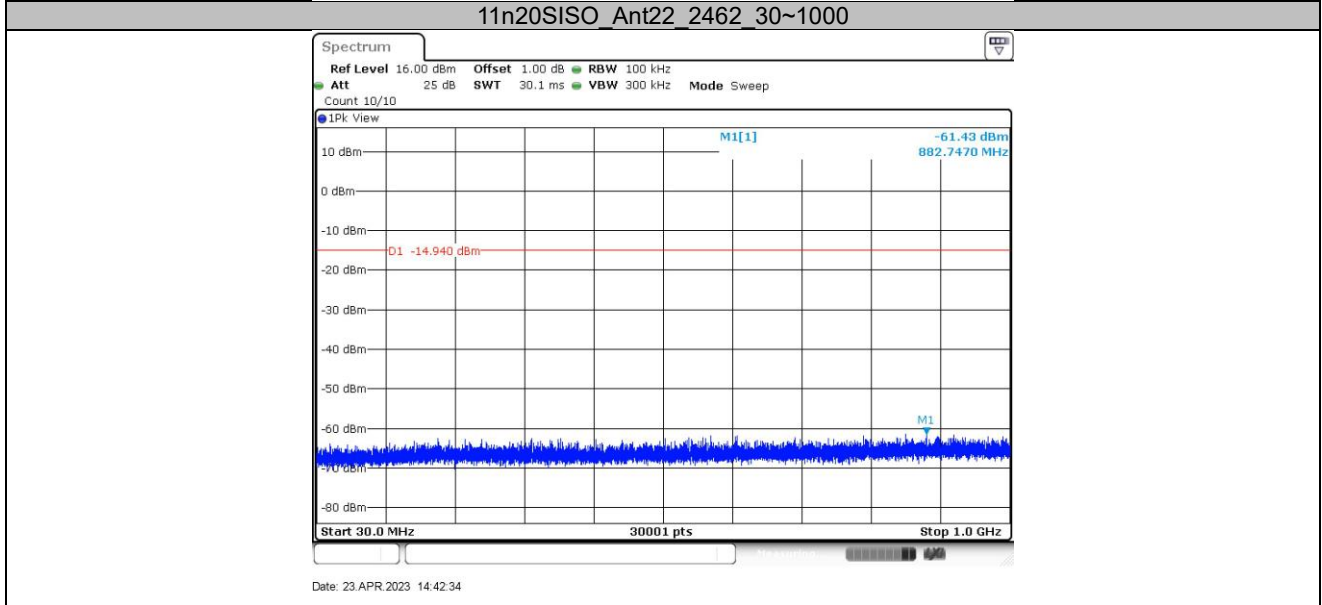
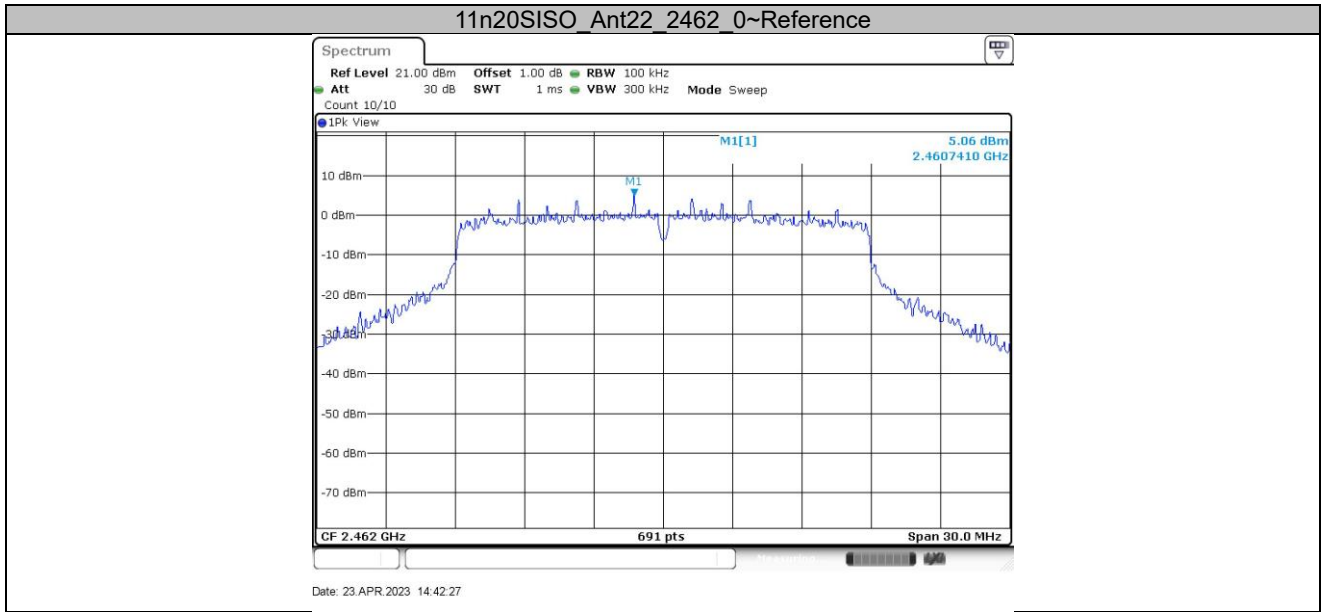
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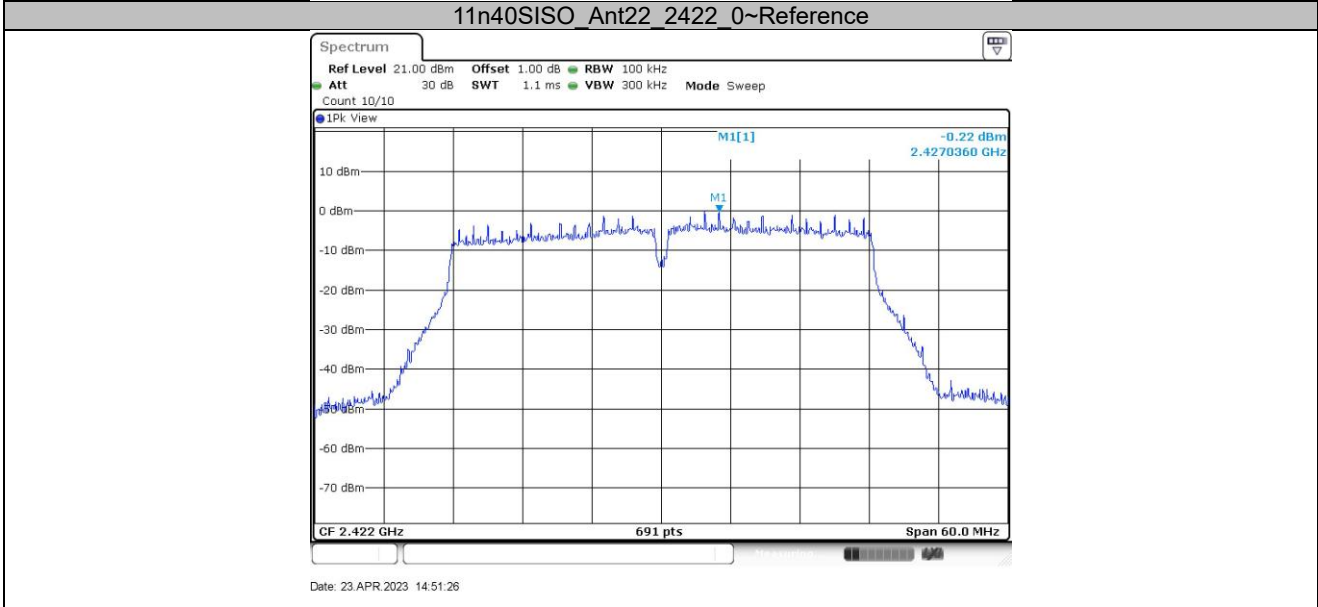
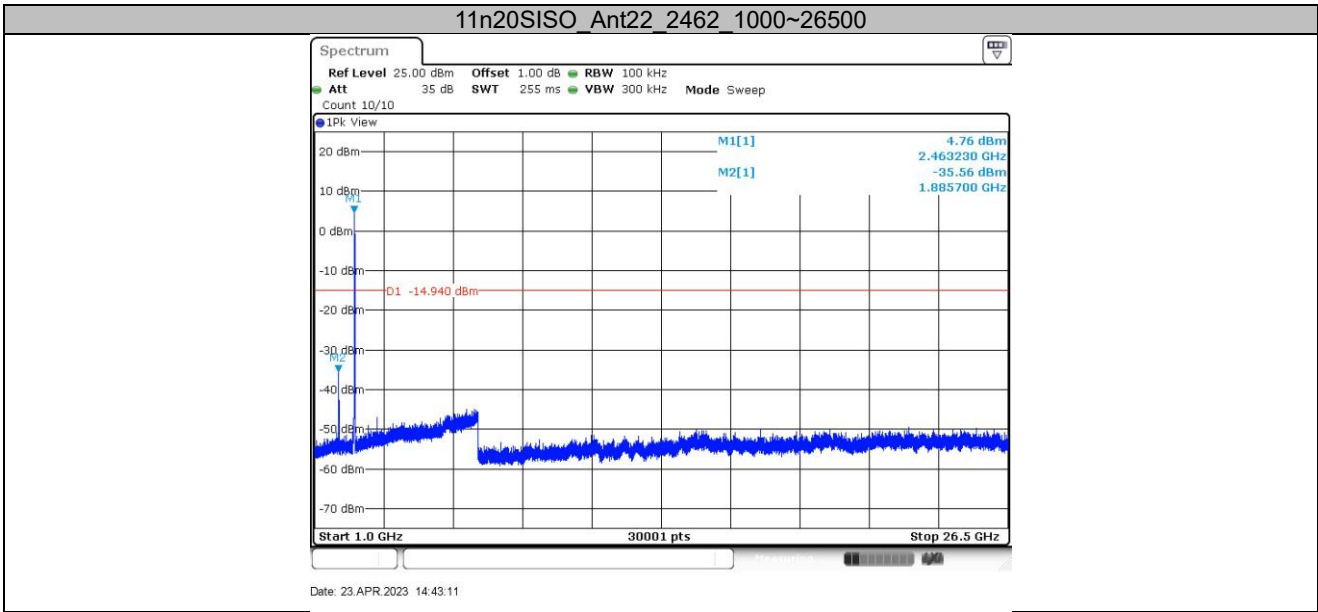
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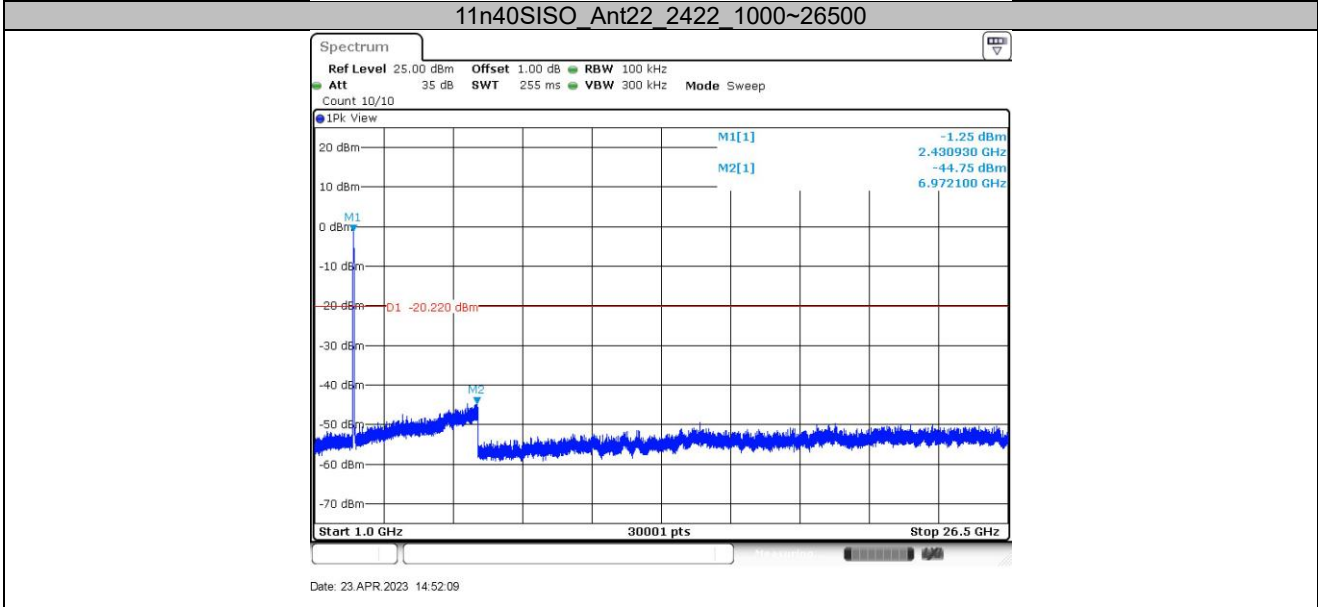
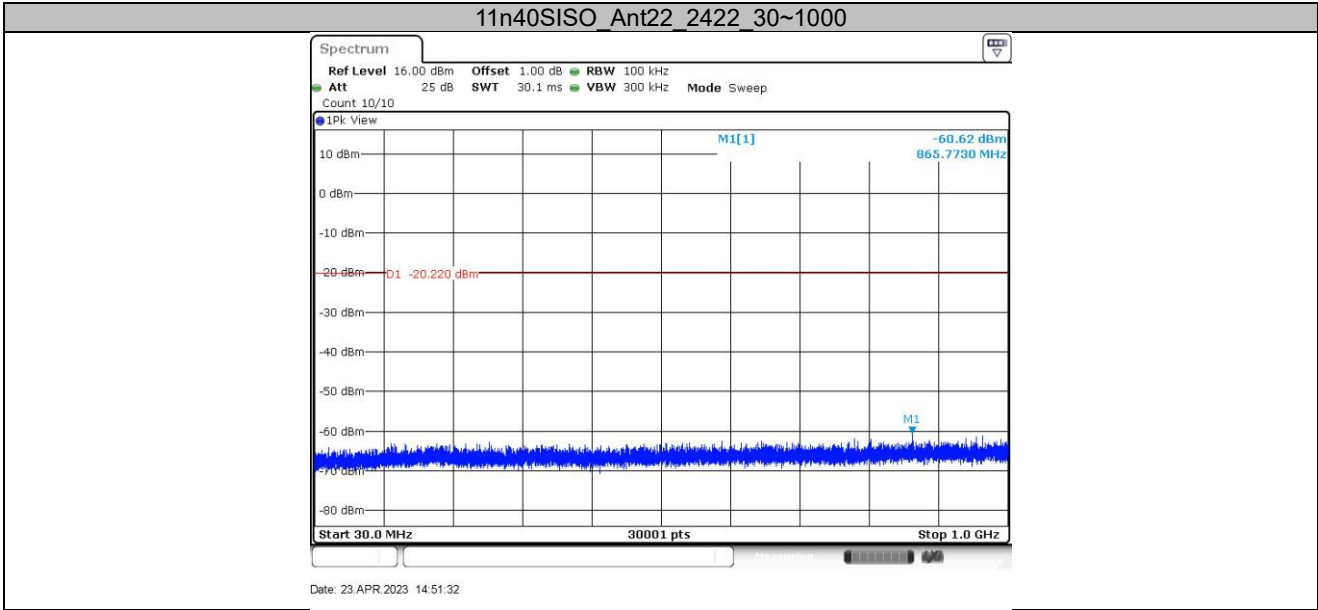
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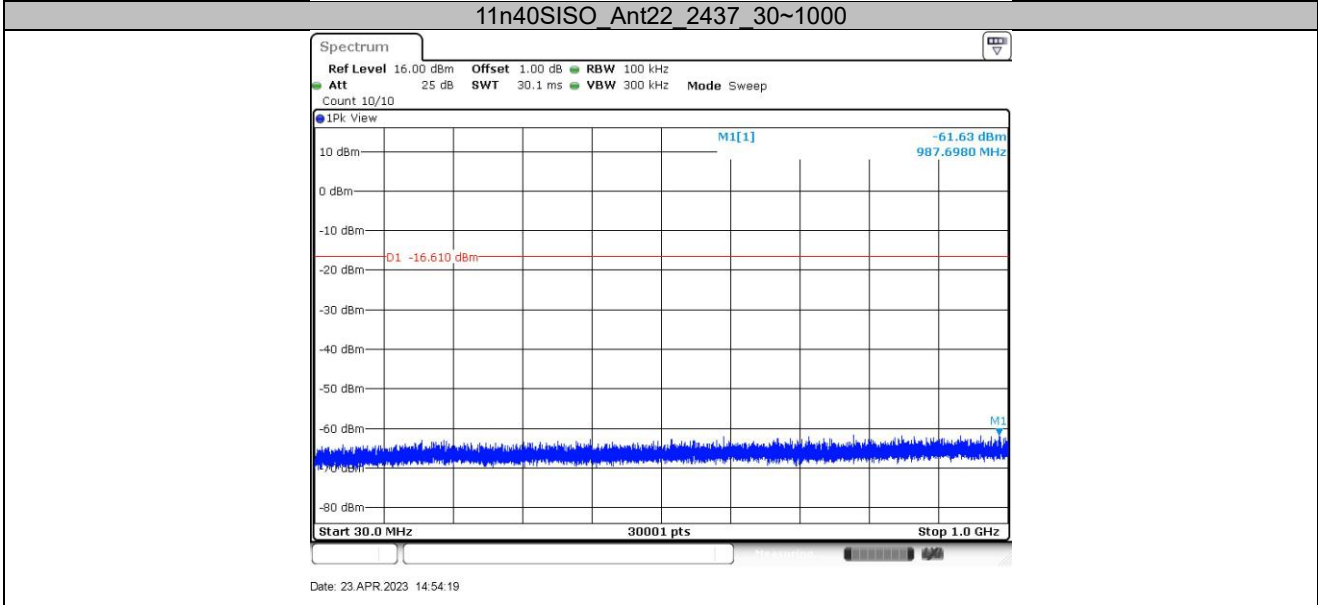
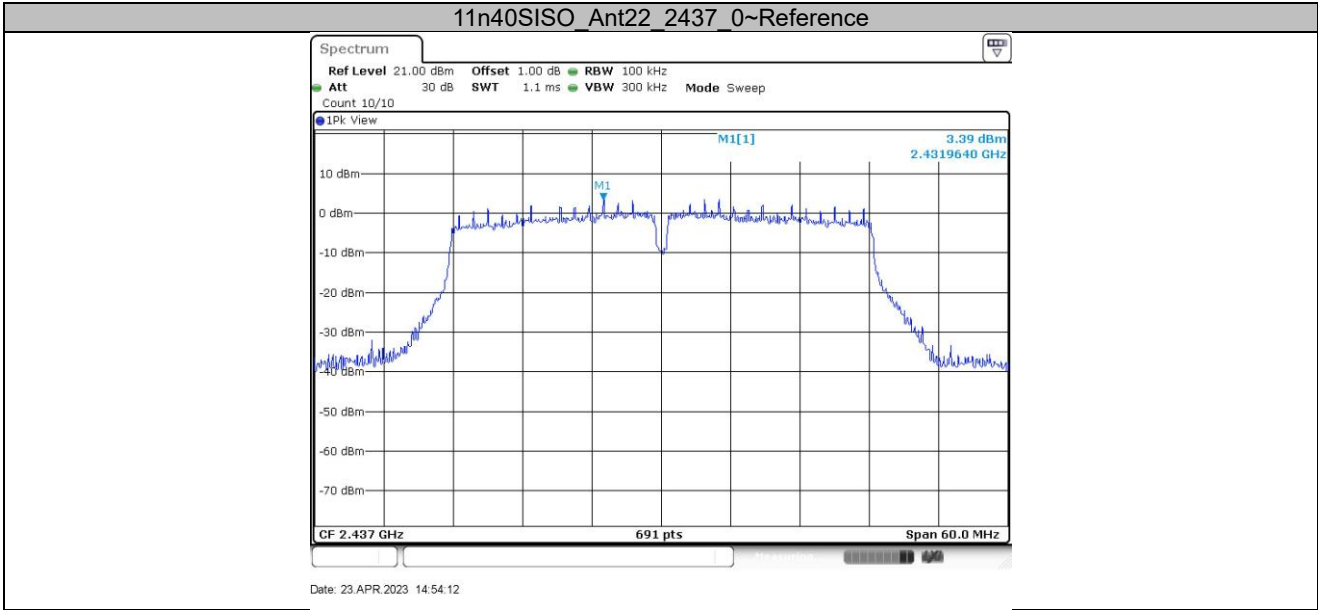
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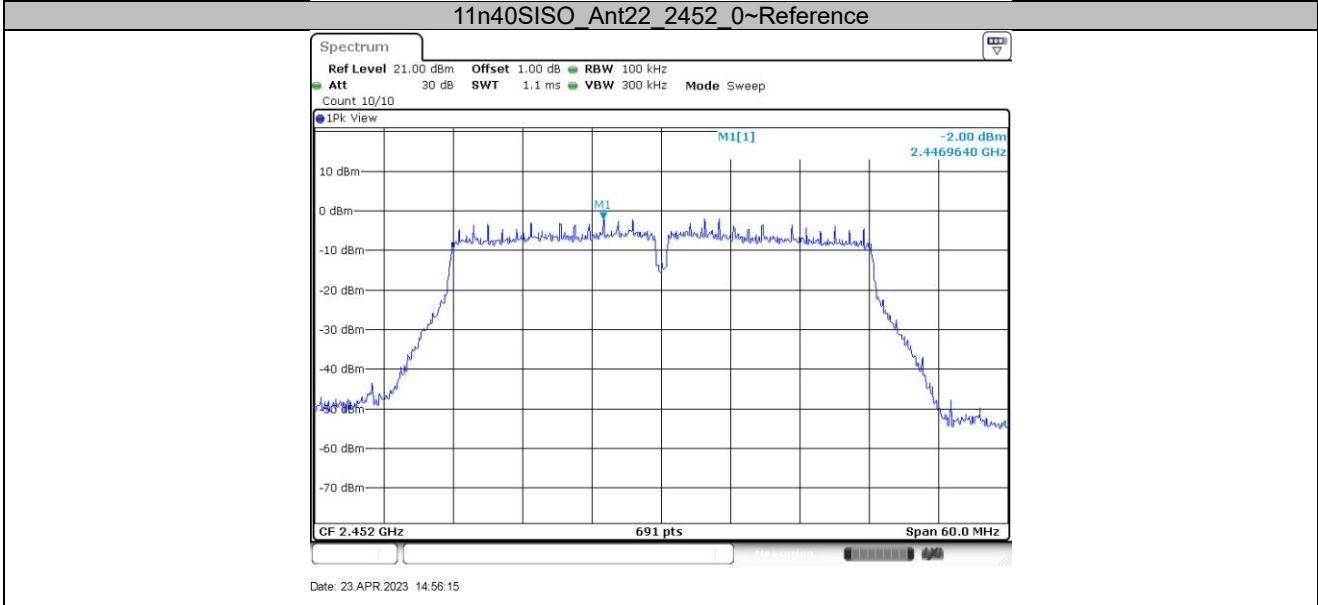
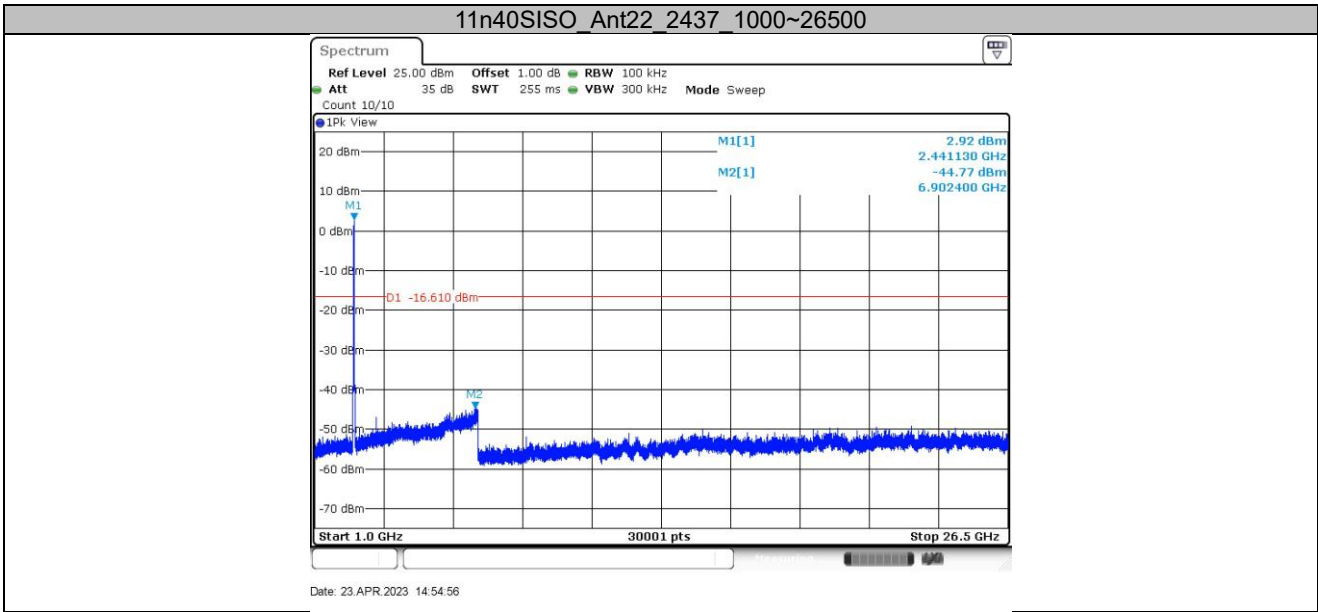
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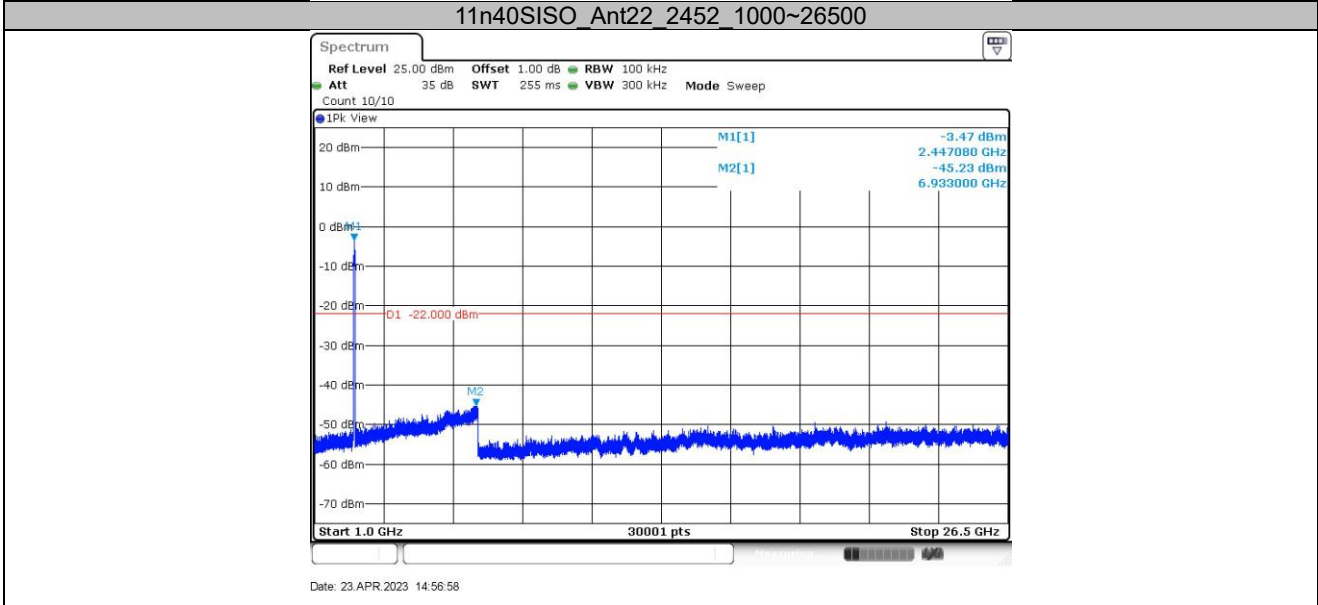
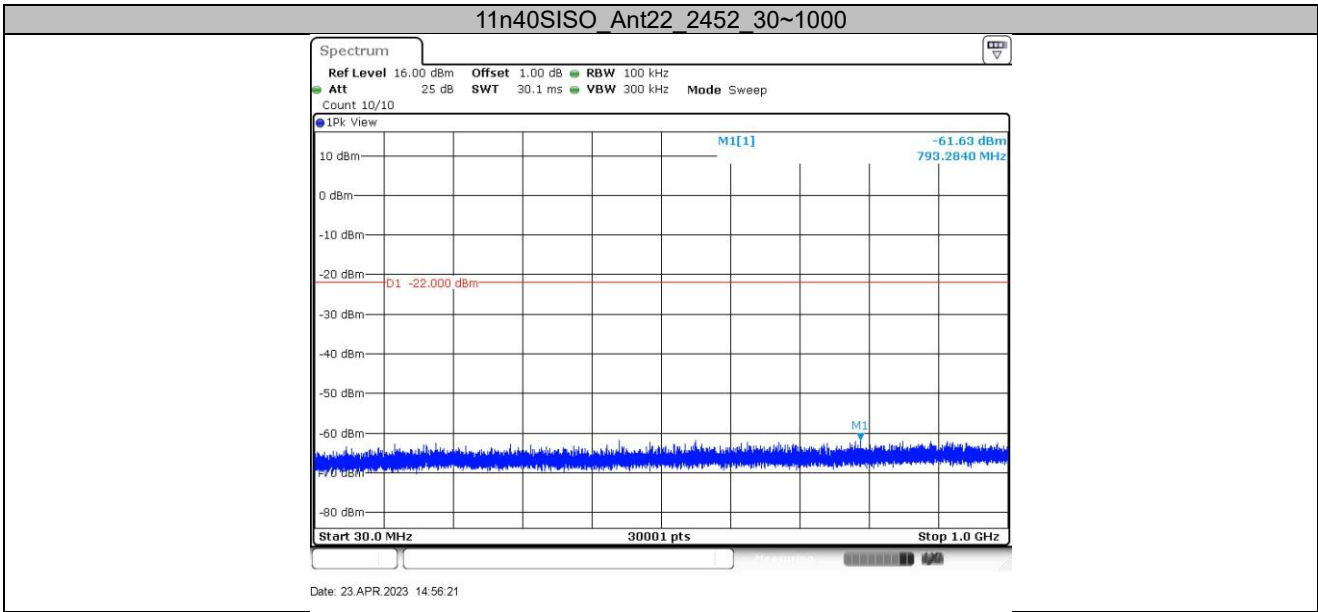
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Duty Cycle Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11b	Ant22	2412	12.22	12.40	98.55
11g	Ant22	2412	2.03	2.07	98.07
11n20SISO	Ant22	2412	1.89	1.93	97.93
11n40SISO	Ant22	2422	0.93	0.98	94.90

Note:

Radiated Emission Average VBW = 1 / T

TestMode	T[ms]	Period[ms]	Duty Cycle[%]	1/T[kHz]	VBW Setting
11b	12.21	12.40	98.55	0.08190	10Hz
11g	2.03	2.07	98.07	0.49236	10Hz
11n20SISO	1.89	1.93	97.93	0.52910	10Hz
11n40SISO	0.92	0.98	94.90	1.07561	1.1KHz



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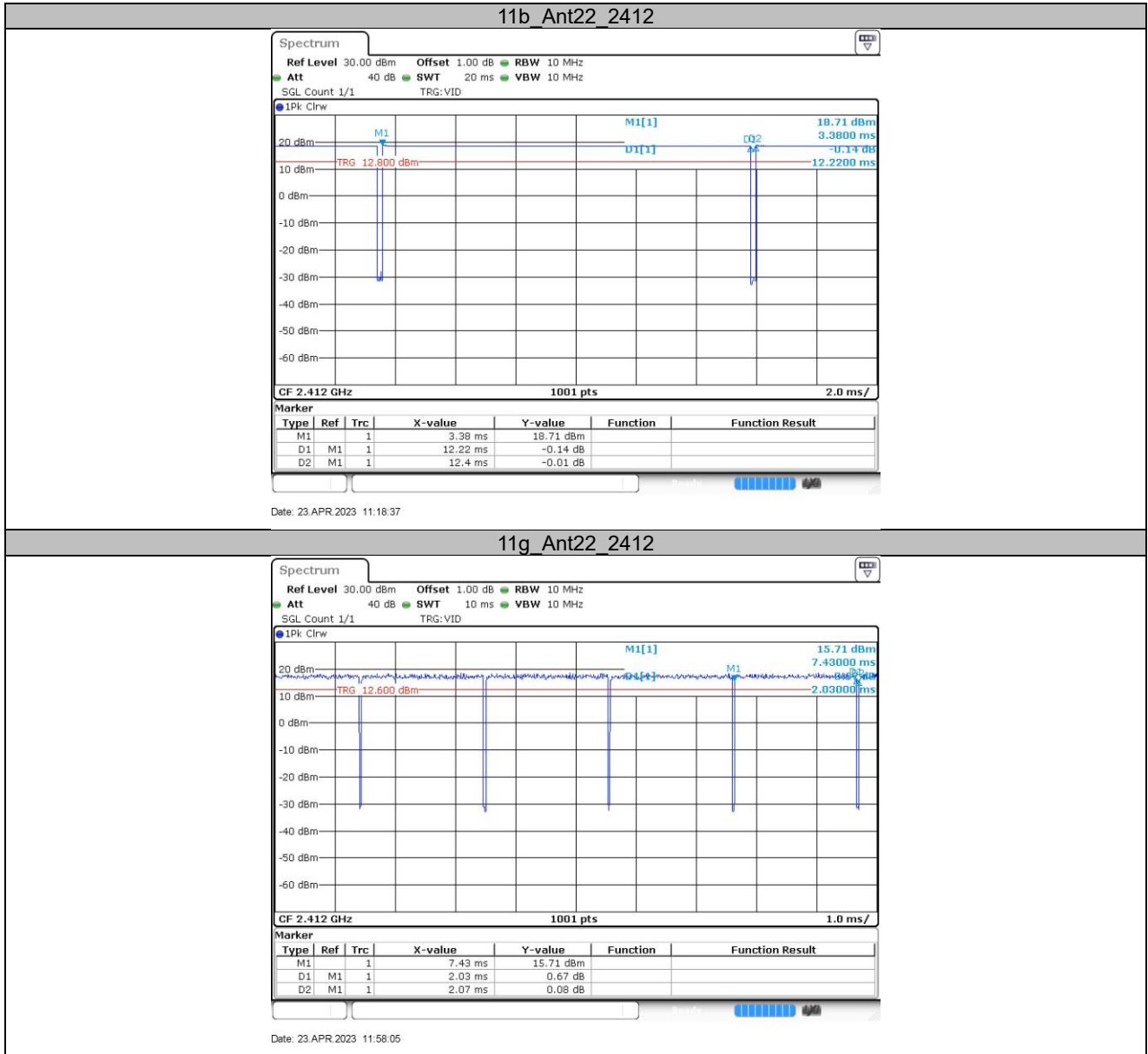
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Test Graphs



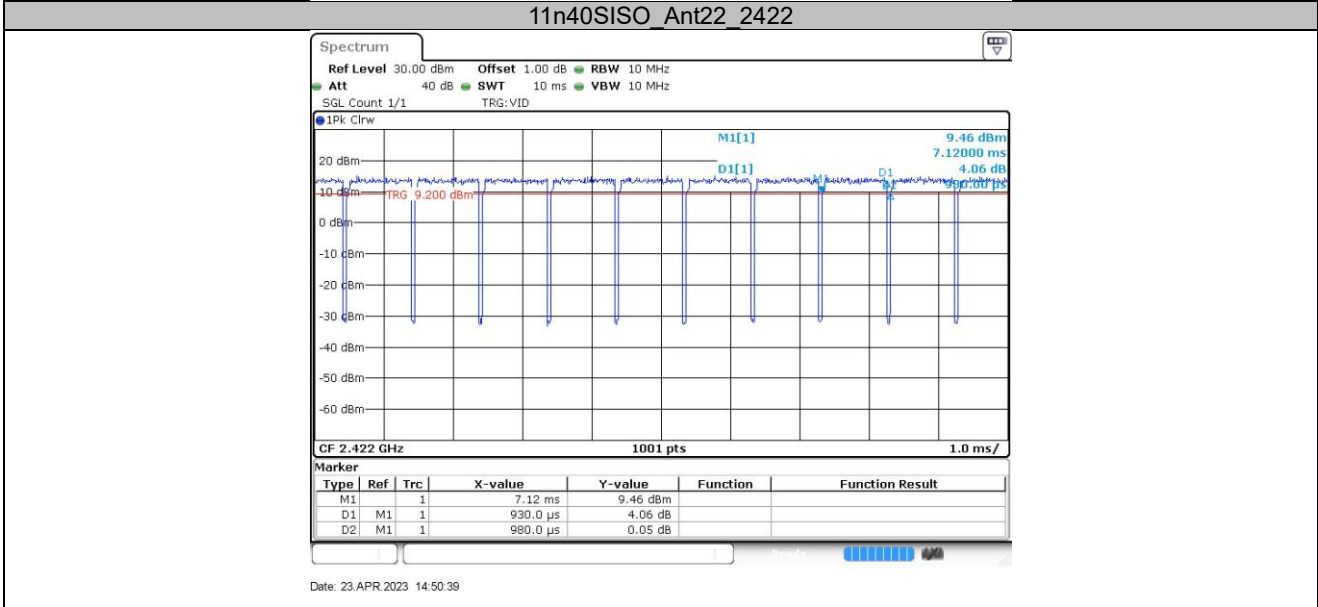
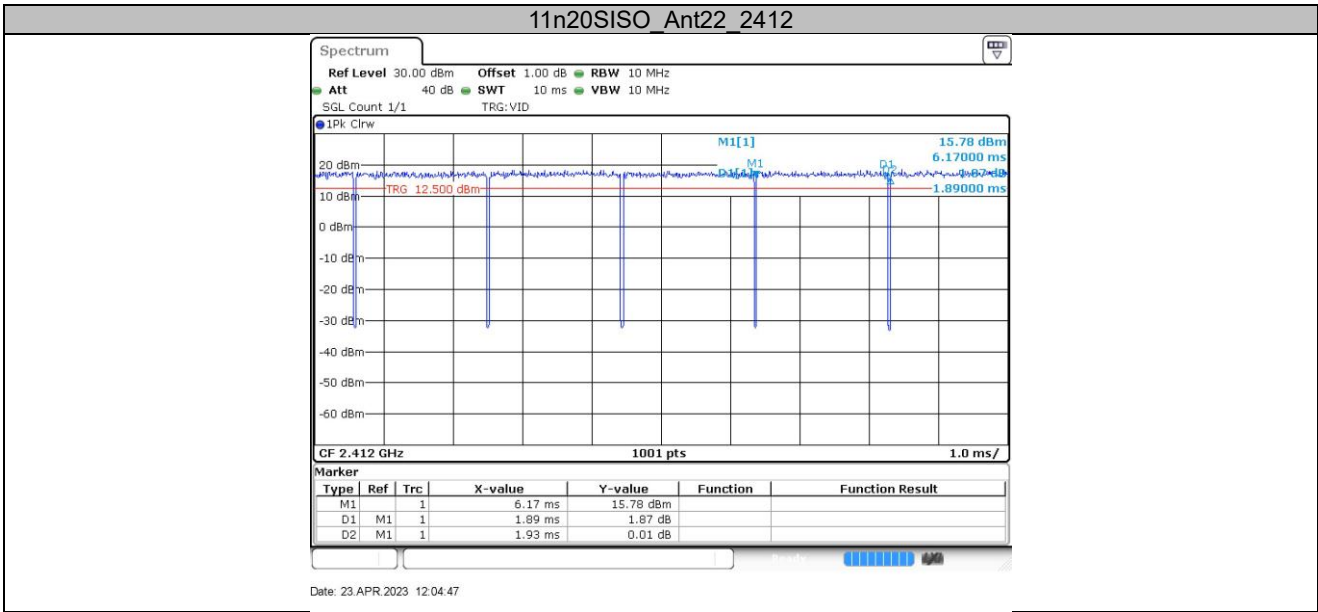
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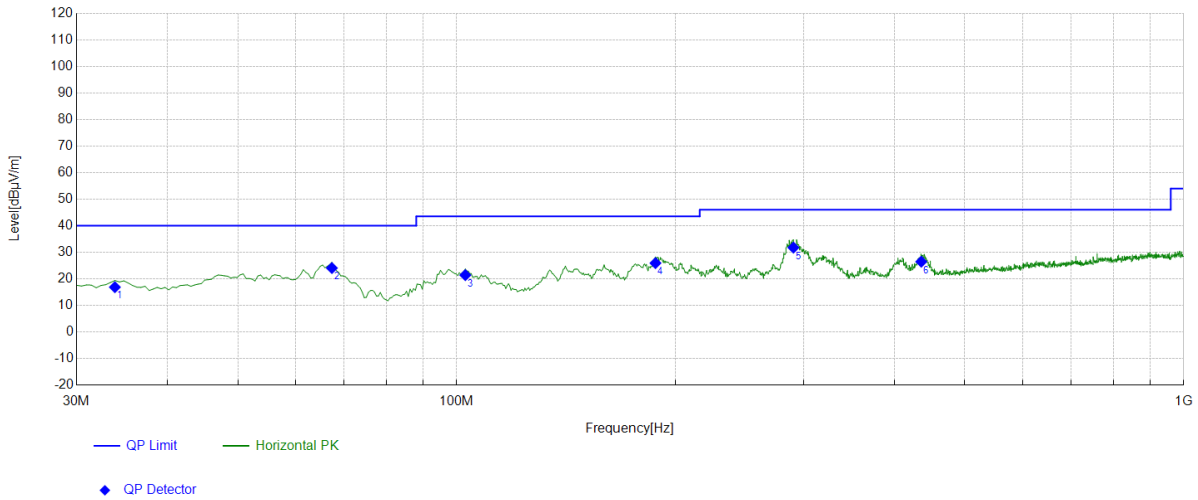
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Radiated Spurious Emissions
Radiated emission below 1GHz
Worst case Mode: 802.11b_Channel 1



Final Data List										
NO.	Freq. [MHz]	AF[dB/m]	Factor [dB]	QP Reading[dBµV]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	33.8819	11.30	-28.00	33.56	16.86	40.00	23.14	344	287	Horizontal
2	67.3637	10.63	-27.51	40.95	24.07	40.00	15.93	322	159	Horizontal
3	102.7864	11.72	-27.12	36.81	21.41	43.50	22.09	380	141	Horizontal
4	187.7039	10.01	-26.64	42.55	25.92	43.50	17.58	120	236	Horizontal
5	290.5753	13.13	-25.67	44.3	31.76	46.00	14.24	119	144	Horizontal
6	435.6628	16.37	-25.20	35.29	26.46	46.00	19.54	102	57	Horizontal



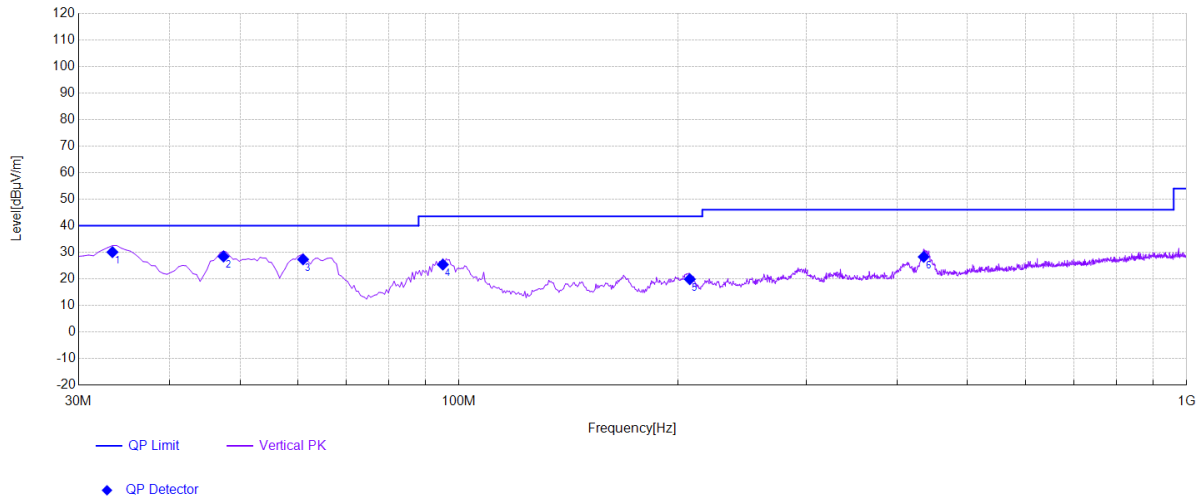
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Final Data List										
NO.	Freq. [MHz]	AF[dB/m]	Factor [dB]	QP Reading[dBμV]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	33.3967	11.30	-28.00	46.76	30.06	40.00	9.94	138	81	Vertical
2	47.4687	14.07	-27.77	42.11	28.41	40.00	11.59	141	13	Vertical
3	61.0555	12.28	-27.90	42.94	27.32	40.00	12.68	163	4	Vertical
4	95.0225	11.00	-27.36	41.73	25.37	43.50	18.13	172	114	Vertical
5	207.5988	11.20	-26.75	35.42	19.87	43.50	23.63	189	358	Vertical
6	435.1776	16.39	-25.20	37.08	28.27	46.00	17.73	135	248	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:

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

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

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

$$\text{Margin} = \text{Limit}(\text{dB}\mu\text{V}/\text{m}) - \text{Value}(\text{dB}\mu\text{V}/\text{m})$$
- All channels have been tested, but only the worst case data displayed in this report.



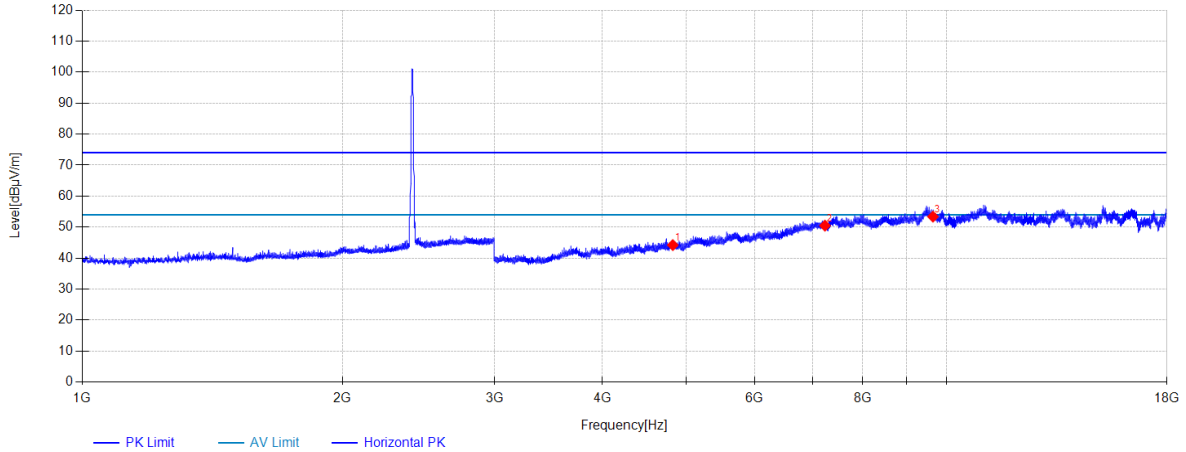
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Transmitter emission Above 1GHz
802.11b_Channel 1



Final 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	56.44	30.70	-42.93	44.21	74.00	29.79	173	234	Horizontal
2	7236	52.87	36.38	-38.77	50.48	74.00	23.52	150	277	Horizontal
3	9648	51.27	38.09	-35.97	53.39	74.00	20.61	196	23	Horizontal



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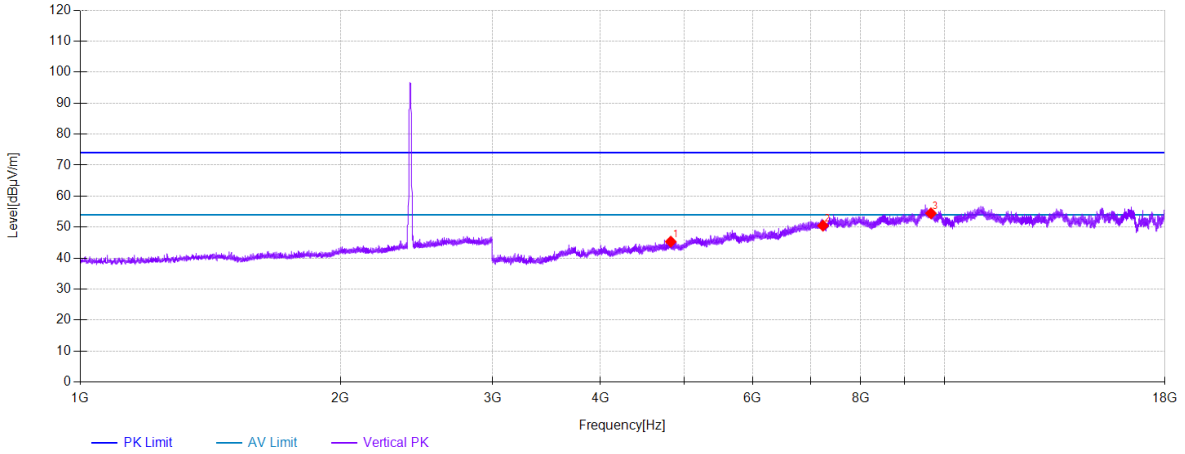
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802.11b_Channel 1



Final 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	57.54	30.70	-42.93	45.31	74.00	28.69	345	77	Vertical
2	7236	52.87	36.38	-38.77	50.48	74.00	23.52	245	329	Vertical
3	9648	52.34	38.09	-35.97	54.46	74.00	19.54	287	55	Vertical



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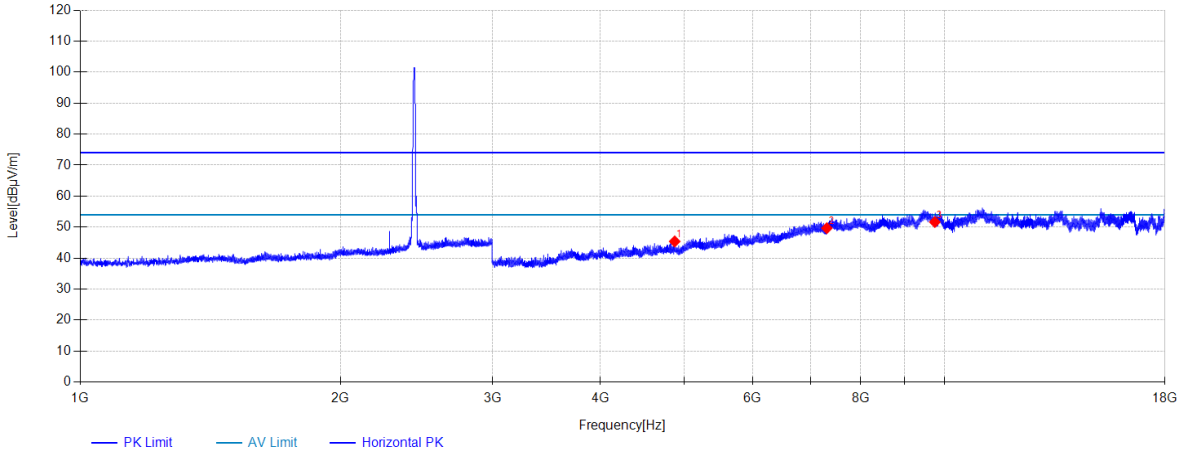
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802.11b_Channel 6



Final 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	57.55	30.74	-42.90	45.39	74.00	28.61	125	39	Horizontal
2	7311	52.07	36.42	-38.81	49.68	74.00	24.32	212	49	Horizontal
3	9748	49.39	38.30	-36.04	51.65	74.00	22.35	189	156	Horizontal

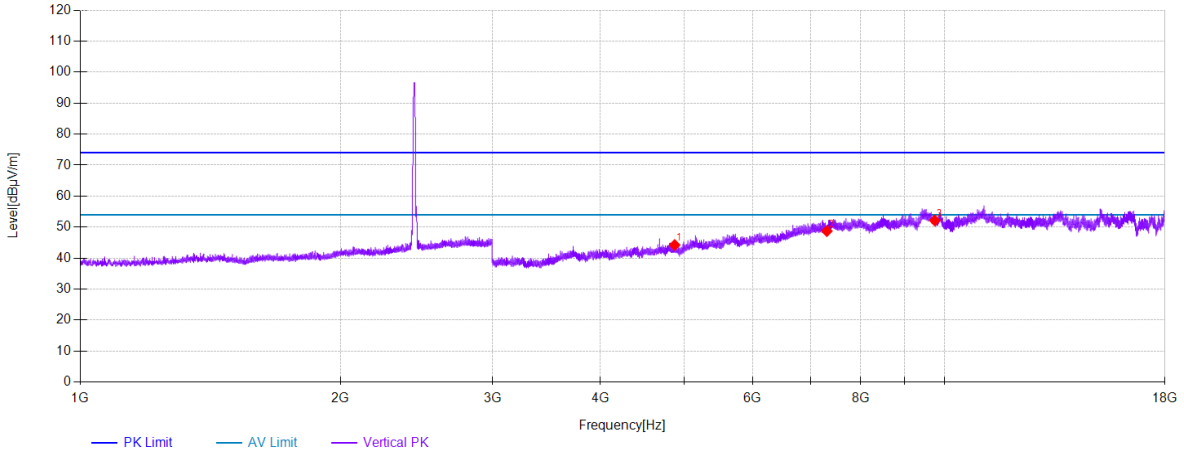


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802.11b_Channel 6



Final 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	56.39	30.74	-42.90	44.23	74.00	29.77	320	135	Vertical
2	7311	51.12	36.42	-38.81	48.73	74.00	25.27	287	92	Vertical
3	9748	49.89	38.30	-36.04	52.15	74.00	21.85	335	242	Vertical



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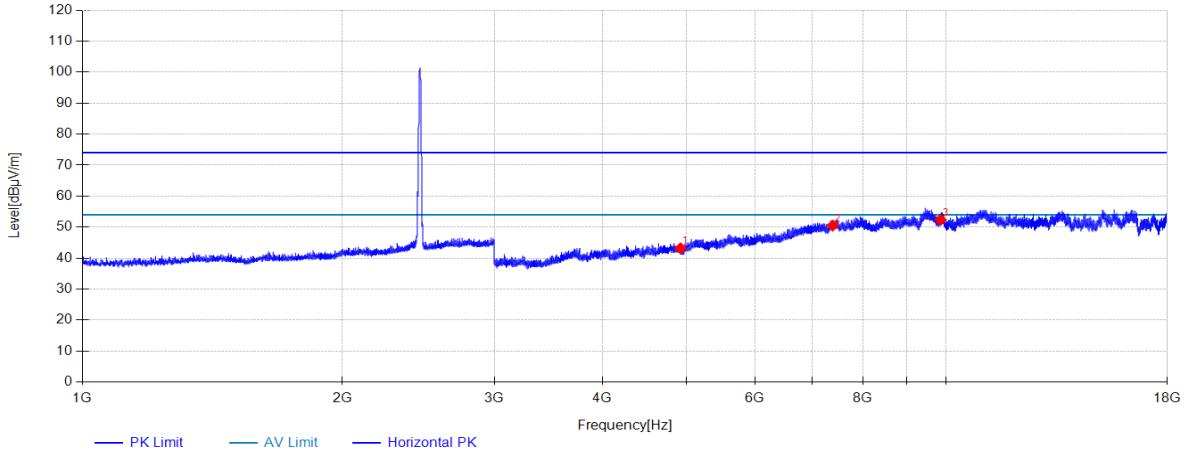
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802.11b_Channel 11



Final 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	55.07	30.95	-42.84	43.18	74.00	30.82	198	41	Horizontal
2	7386	52.21	36.65	-38.36	50.50	74.00	23.50	145	136	Horizontal
3	9848	49.49	38.21	-35.36	52.34	74.00	21.66	223	52	Horizontal

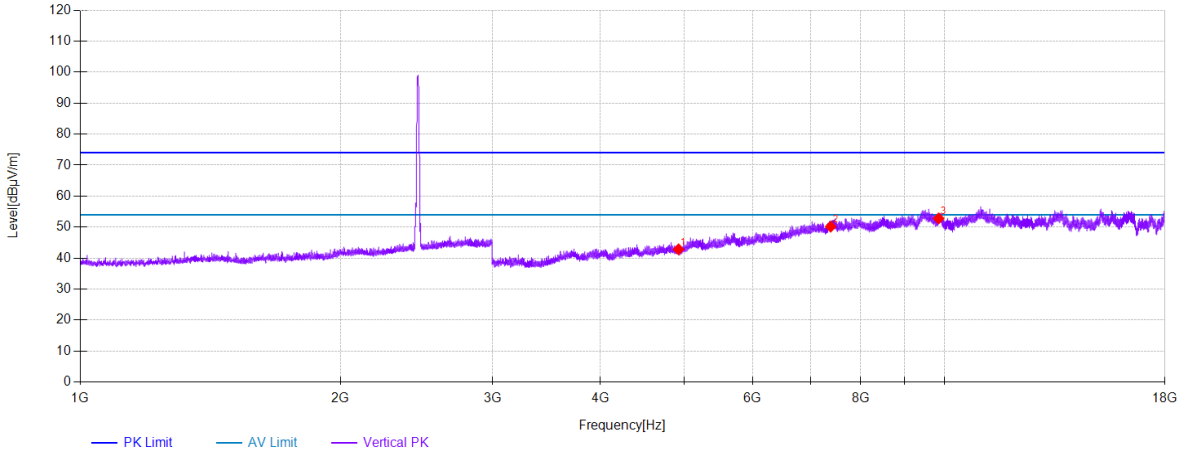


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802.11b_Channel 11



Final 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	54.72	30.95	-42.84	42.83	74.00	31.17	345	262	Vertical
2	7386	51.87	36.65	-38.36	50.16	74.00	23.84	280	294	Vertical
3	9848	49.96	38.21	-35.36	52.81	74.00	21.19	341	241	Vertical



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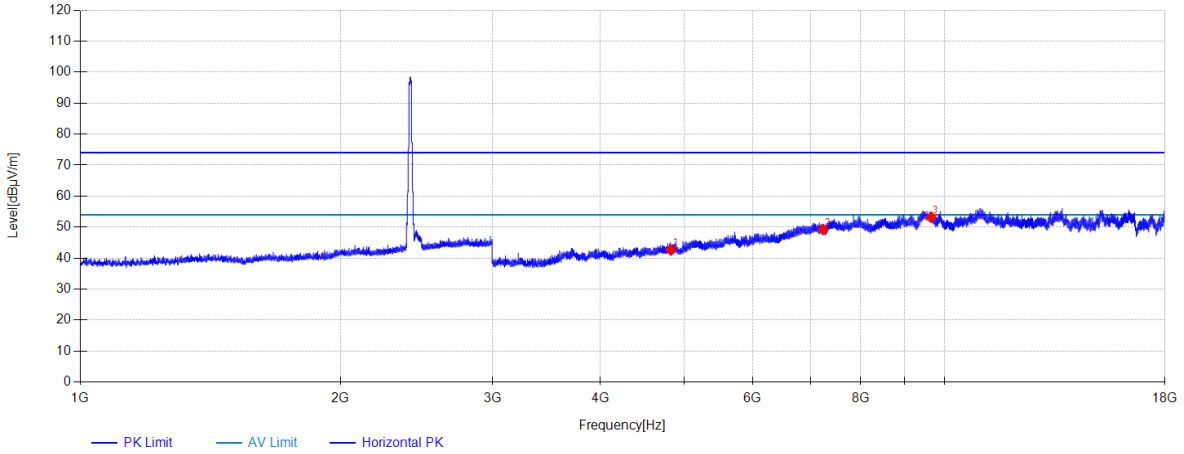
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802.11g_Channel 1



Final 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	54.84	30.70	-42.93	42.61	74.00	31.39	180	184	Horizontal
2	7236	51.62	36.38	-38.77	49.23	74.00	24.77	245	184	Horizontal
3	9648	51.09	38.09	-35.97	53.21	74.00	20.79	222	258	Horizontal

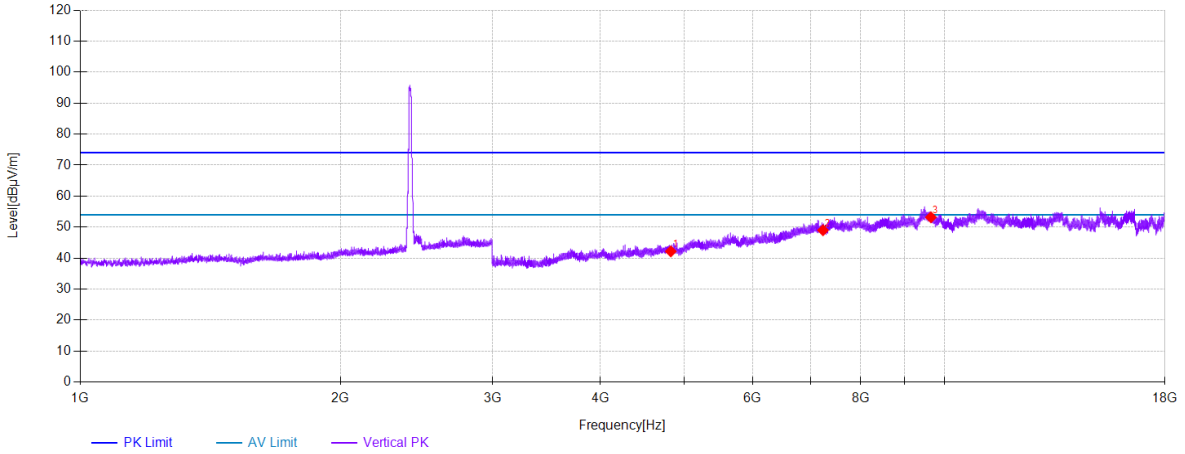


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802.11g_Channel 1



Final 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	54.41	30.70	-42.93	42.18	74.00	31.82	380	39	Vertical
2	7236	51.39	36.38	-38.77	49.00	74.00	25.00	287	295	Vertical
3	9648	51.06	38.09	-35.97	53.18	74.00	20.82	315	39	Vertical

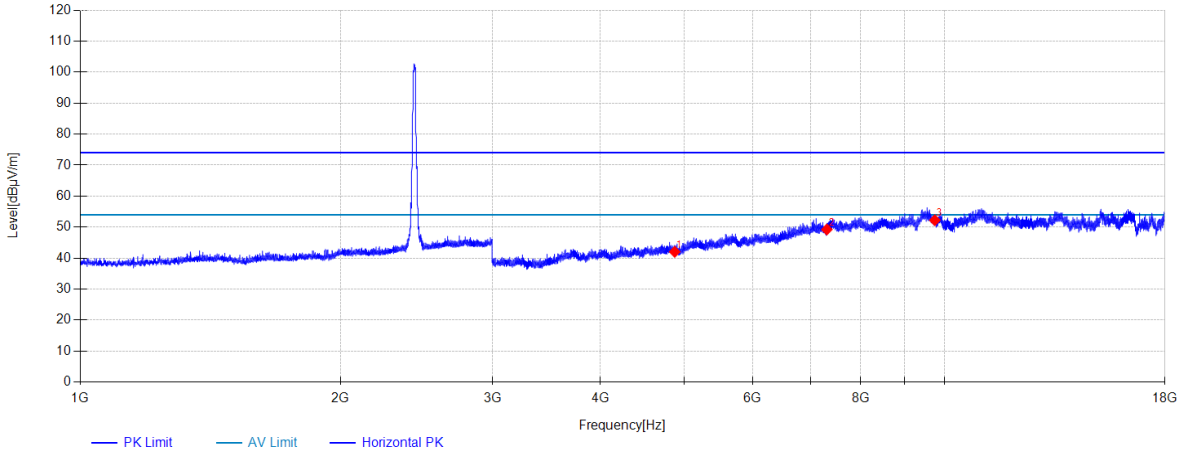


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802.11g_Channel 6



Final 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	54.20	30.74	-42.90	42.04	74.00	31.96	154	200	Horizontal
2	7311	51.63	36.42	-38.81	49.24	74.00	24.76	176	275	Horizontal
3	9748	49.97	38.30	-36.04	52.23	74.00	21.77	198	52	Horizontal

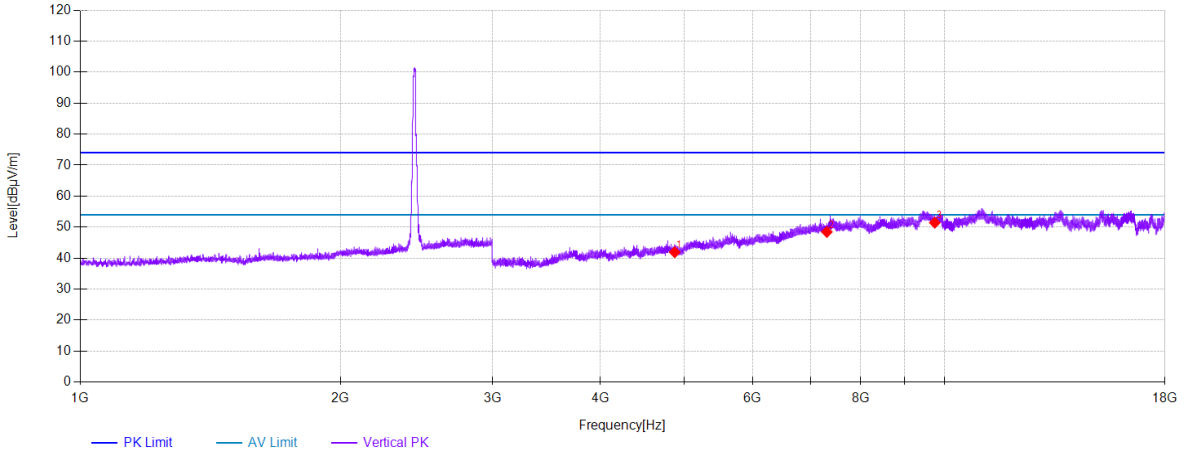


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802.11g_Channel 6



Final 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	54.07	30.74	-42.90	41.91	74.00	32.09	245	239	Vertical
2	7311	50.85	36.42	-38.81	48.46	74.00	25.54	321	250	Vertical
3	9748	49.18	38.30	-36.04	51.44	74.00	22.56	290	0	Vertical



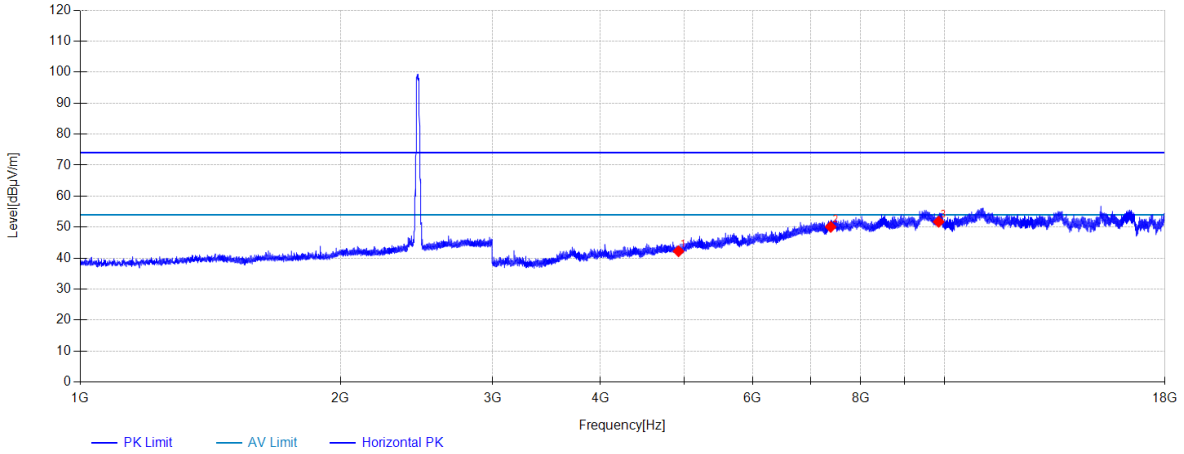
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802.11g_Channel 11



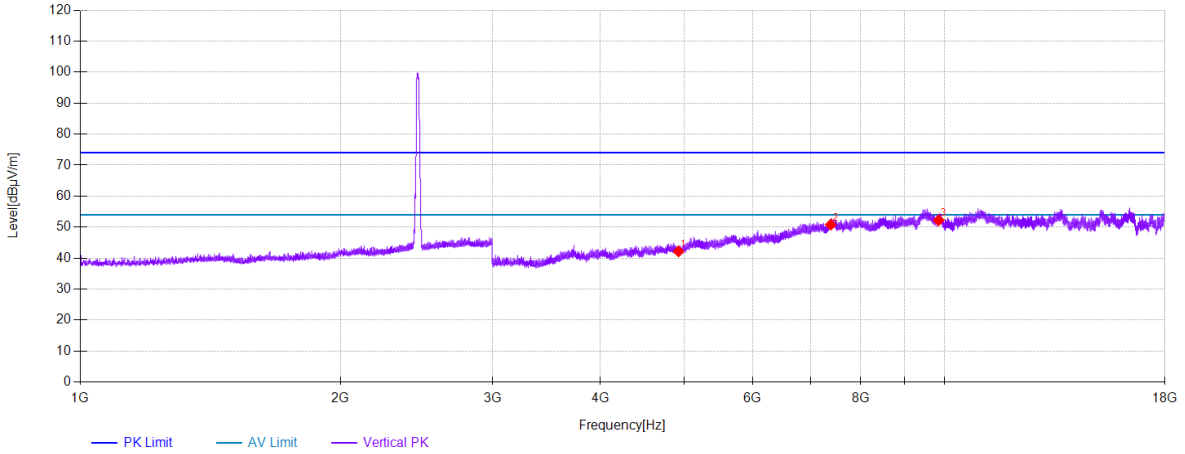
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1	4924	54.11	30.95	-42.84	42.22	74.00	31.78	154	200	Horizontal
2	7386	51.79	36.65	-38.36	50.08	74.00	23.92	245	348	Horizontal
3	9848	48.89	38.21	-35.36	51.74	74.00	22.26	222	222	Horizontal



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802.11g_Channel 11



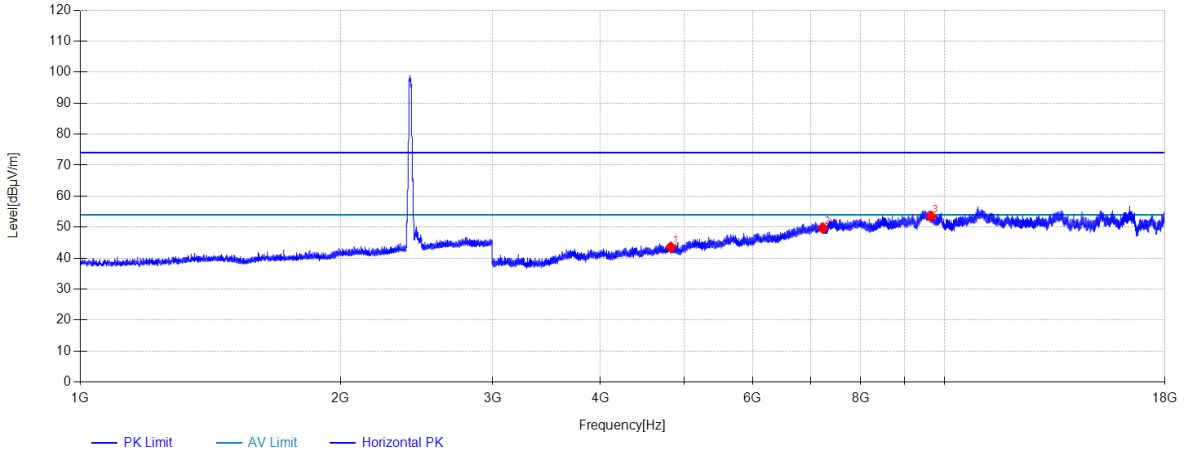
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1	4924	54.09	30.95	-42.84	42.20	74.00	31.80	390	253	Vertical
2	7386	52.50	36.65	-38.36	50.79	74.00	23.21	278	136	Vertical
3	9848	49.37	38.21	-35.36	52.22	74.00	21.78	345	243	Vertical



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802.11n20_Channel 1



Final 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	55.75	30.70	-42.93	43.52	74.00	30.48	153	324	Horizontal
2	7236	52.05	36.38	-38.77	49.66	74.00	24.34	245	90	Horizontal
3	9648	51.38	38.09	-35.97	53.50	74.00	20.50	125	346	Horizontal



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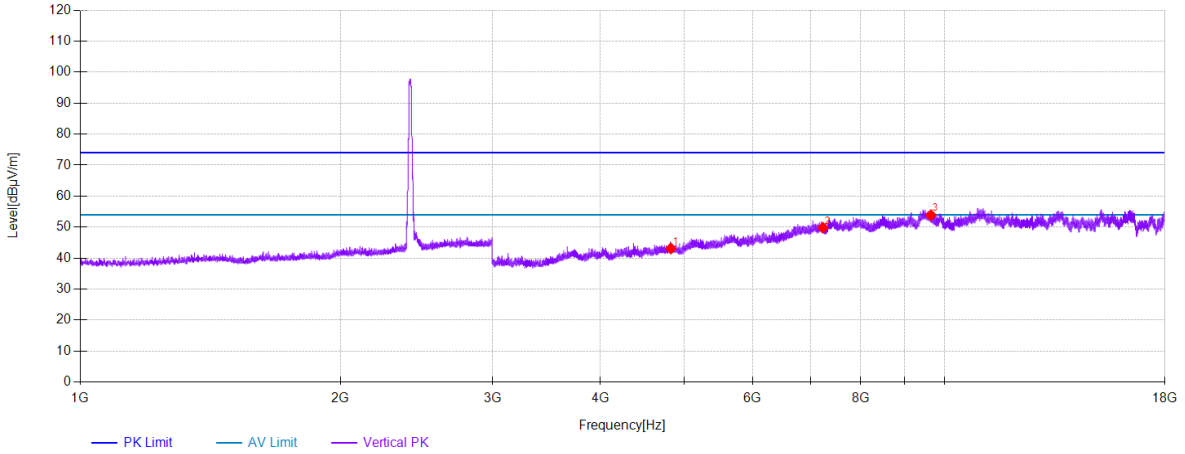
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Shenzhen Branch

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802.11n20_Channel 1



Final 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	55.34	30.70	-42.93	43.11	74.00	30.89	345	61	Vertical
2	7236	52.18	36.38	-38.77	49.79	74.00	24.21	254	114	Vertical
3	9648	51.75	38.09	-35.97	53.87	74.00	20.13	211	231	Vertical

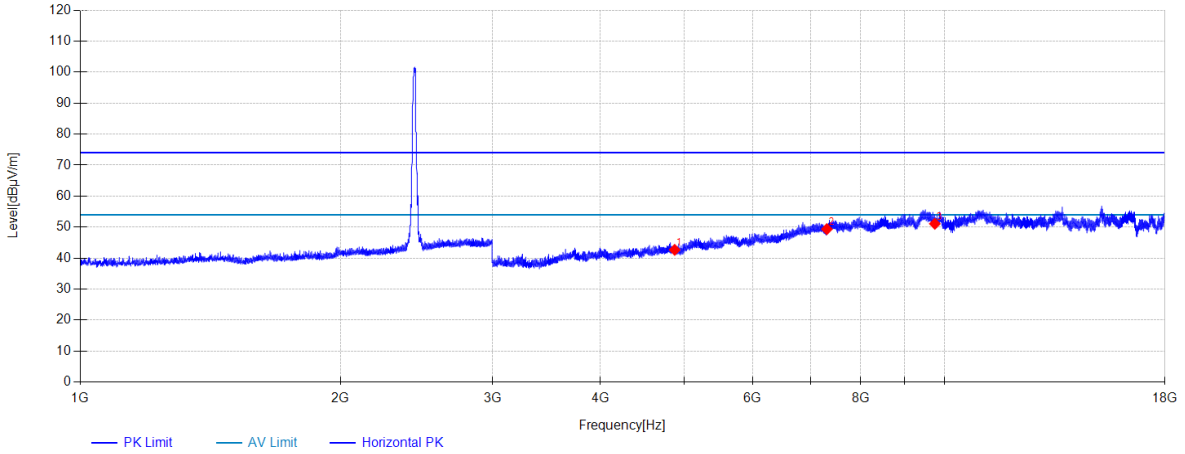


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802.11n20_Channel 6



Final 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	54.83	30.74	-42.90	42.67	74.00	31.33	236	316	Horizontal
2	7311	51.76	36.42	-38.81	49.37	74.00	24.63	150	348	Horizontal
3	9748	48.82	38.30	-36.04	51.08	74.00	22.92	145	178	Horizontal

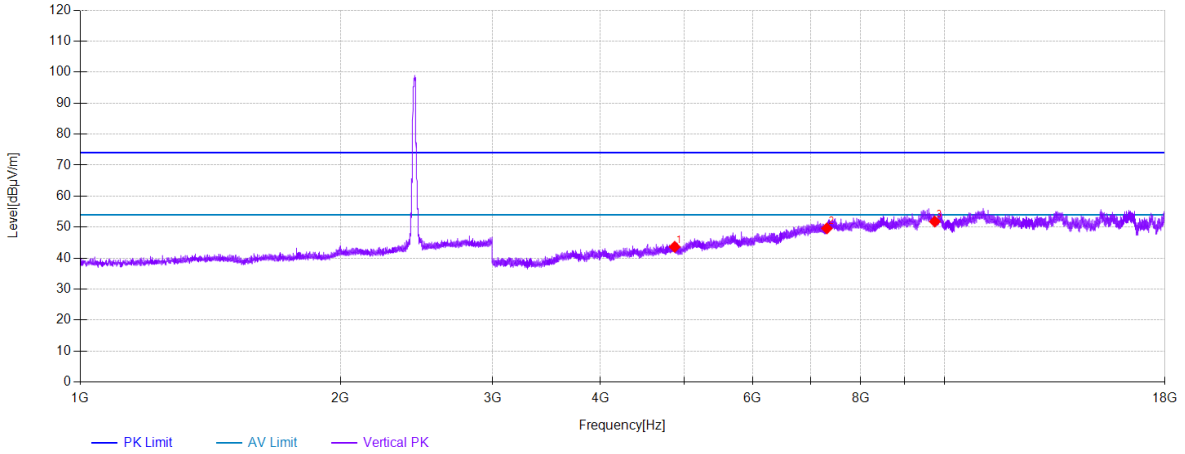


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802.11n20_Channel 6



Final 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	55.81	30.74	-42.90	43.65	74.00	30.35	263	209	Vertical
2	7311	51.98	36.42	-38.81	49.59	74.00	24.41	380	273	Vertical
3	9748	49.54	38.30	-36.04	51.80	74.00	22.20	247	305	Vertical

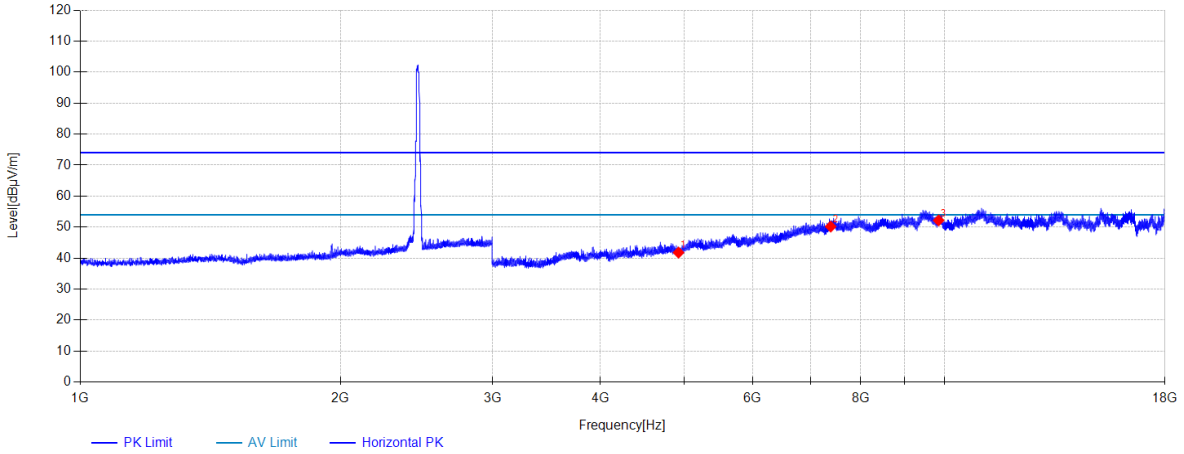


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802.11n20_Channel 11



Final 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	53.68	30.95	-42.84	41.79	74.00	32.21	145	39	Horizontal
2	7386	51.89	36.65	-38.36	50.18	74.00	23.82	231	264	Horizontal
3	9848	49.33	38.21	-35.36	52.18	74.00	21.82	189	7	Horizontal



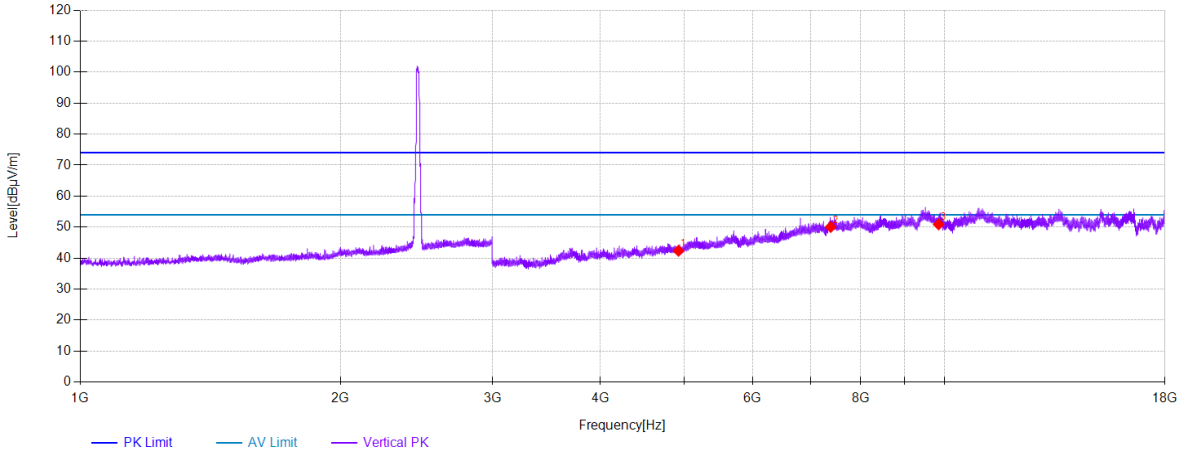
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802.11n20_Channel 11



Final 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	54.26	30.95	-42.84	42.37	74.00	31.63	345	94	Vertical
2	7386	51.76	36.65	-38.36	50.05	74.00	23.95	288	178	Vertical
3	9848	48.04	38.21	-35.36	50.89	74.00	23.11	314	84	Vertical



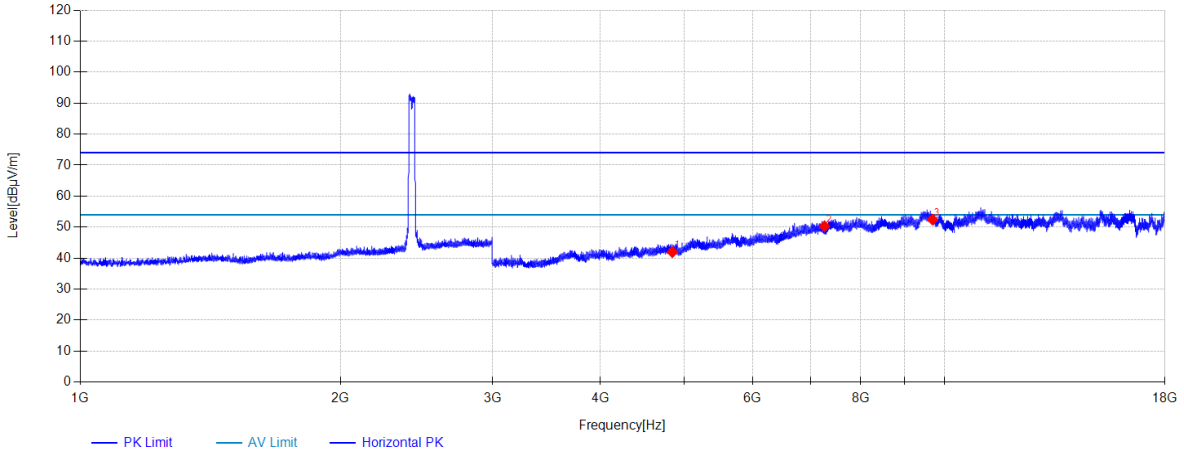
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802.11n40_Channel 3



Final 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	4844	54.25	30.62	-42.92	41.95	74.00	32.05	150	222	Horizontal
2	7266	52.78	36.33	-38.82	50.29	74.00	23.71	263	274	Horizontal
3	9688	50.51	38.18	-36.25	52.44	74.00	21.56	256	254	Horizontal



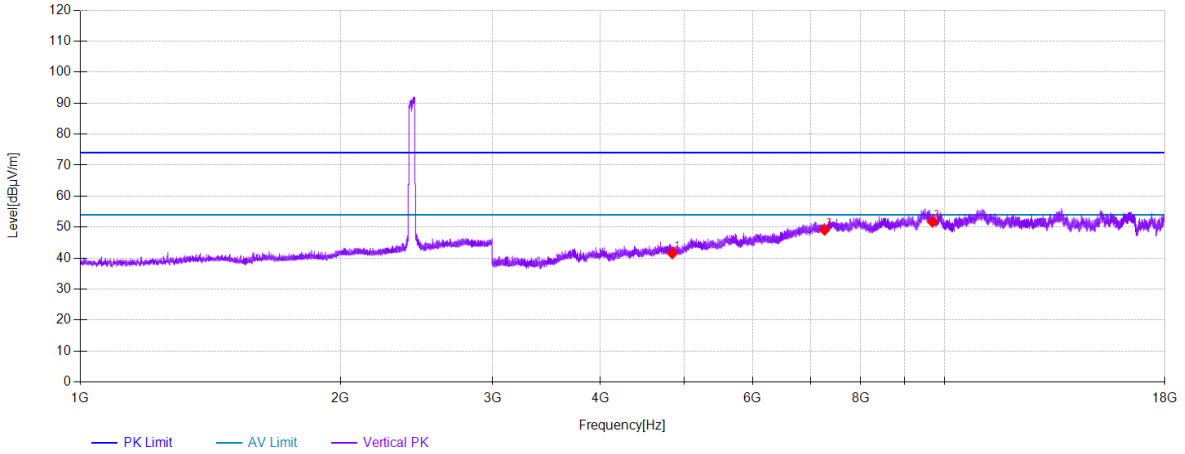
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802.11n40_Channel 3



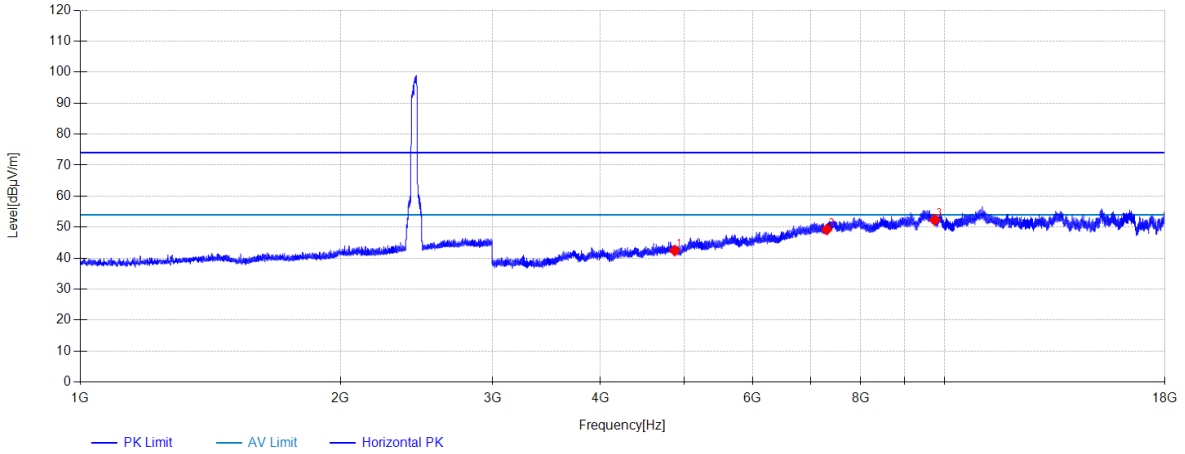
Final Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4844	53.84	30.62	-42.92	41.54	74.00	32.46	263	338	Vertical
2	7266	51.61	36.33	-38.82	49.12	74.00	24.88	350	148	Vertical
3	9688	49.79	38.18	-36.25	51.72	74.00	22.28	288	295	Vertical



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1	4874	54.61	30.74	-42.90	42.45	74.00	31.55	263	53	Horizontal
2	7311	51.62	36.42	-38.81	49.23	74.00	24.77	189	42	Horizontal
3	9748	50.09	38.30	-36.04	52.35	74.00	21.65	155	264	Horizontal

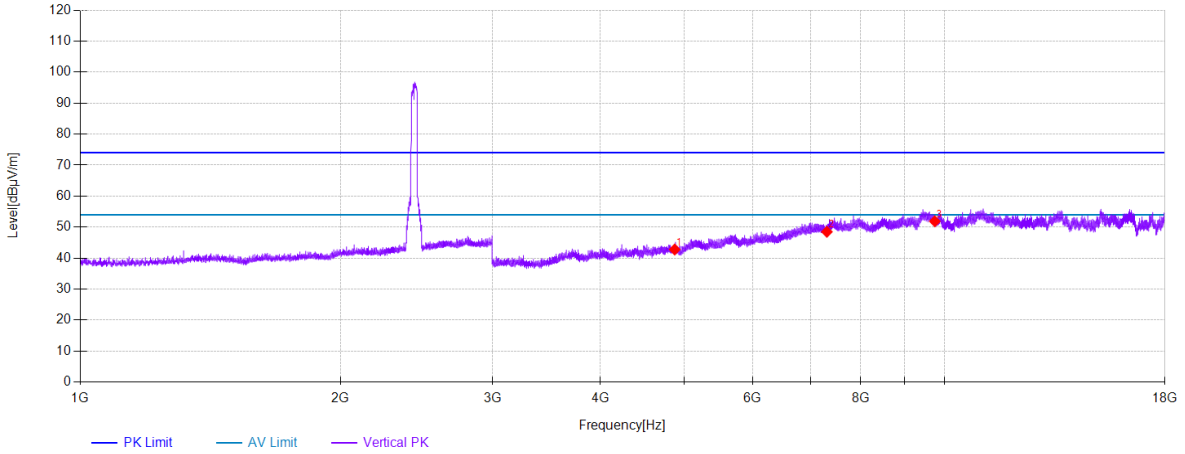


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802.11n40_Channel 6



Final 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	54.95	30.74	-42.90	42.79	74.00	31.21	296	253	Vertical
2	7311	50.89	36.42	-38.81	48.50	74.00	25.50	360	126	Vertical
3	9748	49.62	38.30	-36.04	51.88	74.00	22.12	285	337	Vertical



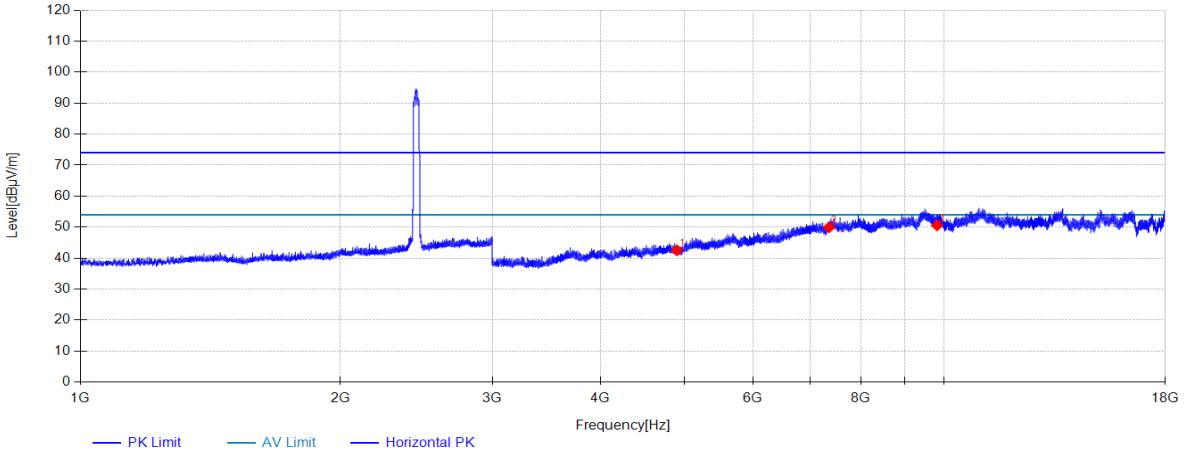
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802.11n40_Channel 9



Final 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	54.47	30.91	-42.87	42.51	74.00	31.49	245	358	Horizontal
2	7356	51.97	36.53	-38.54	49.96	74.00	24.04	189	148	Horizontal
3	9808	47.81	38.45	-35.67	50.59	74.00	23.41	263	348	Horizontal

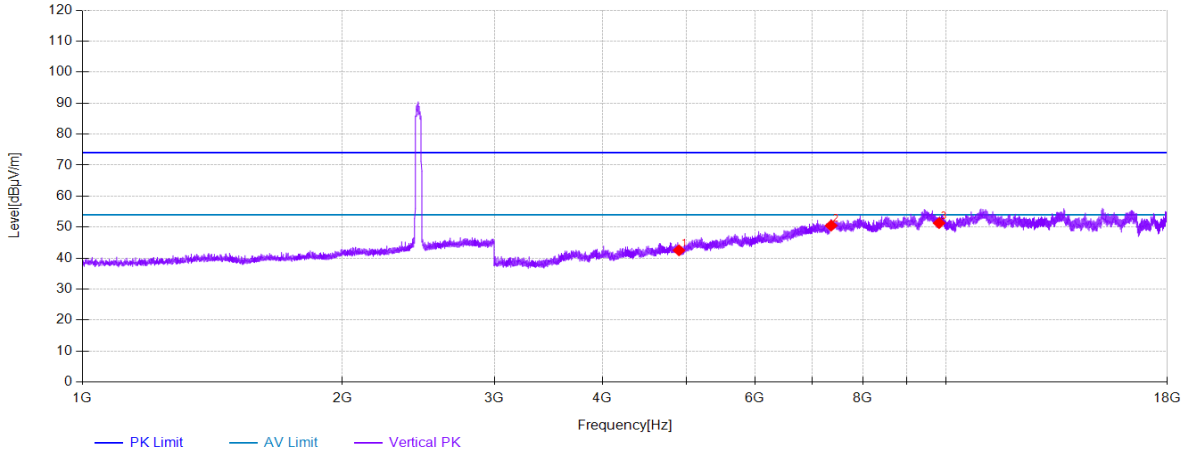


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802.11n40_Channel 9



Final 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	54.48	30.91	-42.87	42.52	74.00	31.48	287	274	Vertical
2	7356	52.51	36.53	-38.54	50.50	74.00	23.50	266	179	Vertical
3	9808	48.52	38.45	-35.67	51.30	74.00	22.70	363	242	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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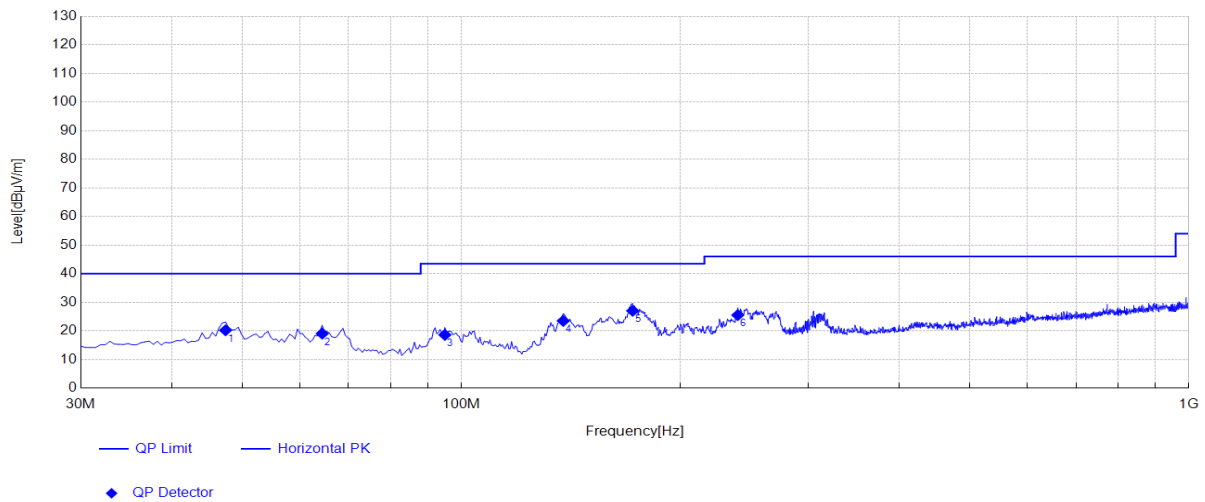
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Test on the worst case:

Radiated emission below 1GHz

Worst case Mode: 802.11b_Channel 1



Final 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	47.4687	14.07	-27.77	33.92	20.22	40.00	19.78	Horizontal
2	64.4522	12.10	-27.69	34.65	19.06	40.00	20.94	Horizontal
3	95.0225	11.00	-27.36	34.97	18.61	43.50	24.89	Horizontal
4	138.2091	7.50	-26.48	42.5	23.52	43.50	19.98	Horizontal
5	172.1761	9.12	-26.50	44.41	27.03	43.50	16.47	Horizontal
6	240.1101	12.50	-26.29	39.31	25.52	46.00	20.48	Horizontal



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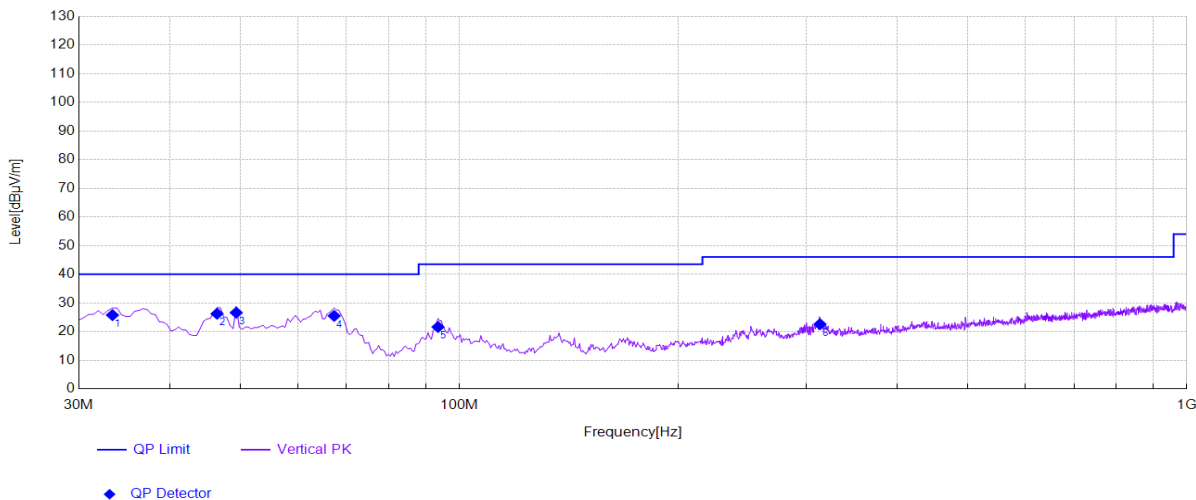
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Final Data List								
NO.	Freq. [MHz]	AF[dB/m]	Factor [dB]	QP Reading[dBµV]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Polarity
1	33.3967	11.30	-28.00	42.43	25.73	40.00	14.27	Vertical
2	46.4982	14.20	-27.79	39.81	26.22	40.00	13.78	Vertical
3	49.4097	14.16	-27.72	40.15	26.59	40.00	13.41	Vertical
4	67.3637	10.63	-27.51	42.35	25.47	40.00	14.53	Vertical
5	93.5668	10.81	-27.44	38.23	21.60	43.50	21.90	Vertical
6	313.3817	13.34	-26.01	35.24	22.57	46.00	23.43	Vertical

Remark:

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

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

AF = Antenna Factor(dB/m)

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

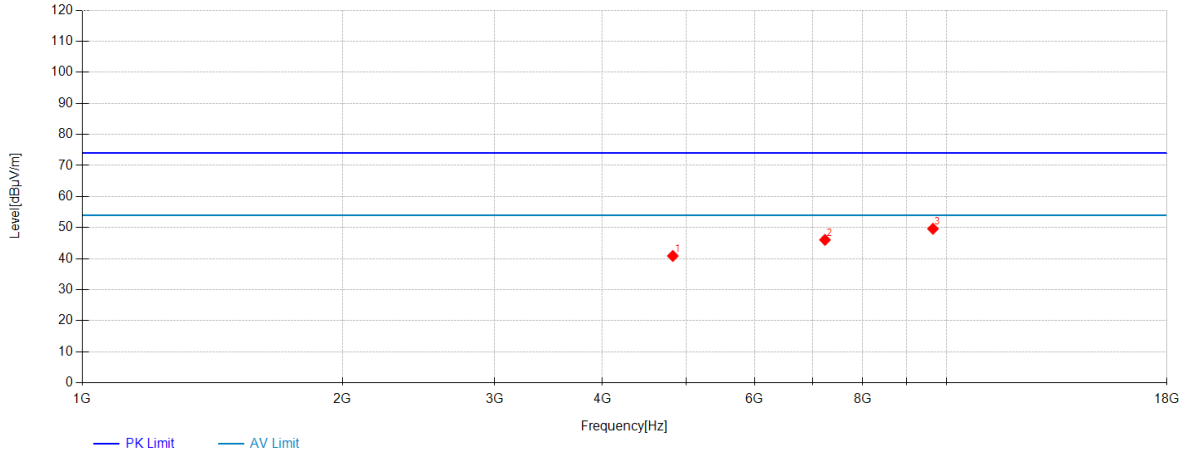
Margin = Limit(dBµV/m) – Value(dBµV/m)



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Transmitter emission Above 1GHz
802.11b_Channel 1



Final Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4824	53.10	30.70	-42.93	40.87	74.00	33.13	Horizontal
2	7236	48.43	36.38	-38.76	46.05	74.00	27.95	Horizontal
3	9648	47.50	38.09	-35.97	49.62	74.00	24.38	Horizontal

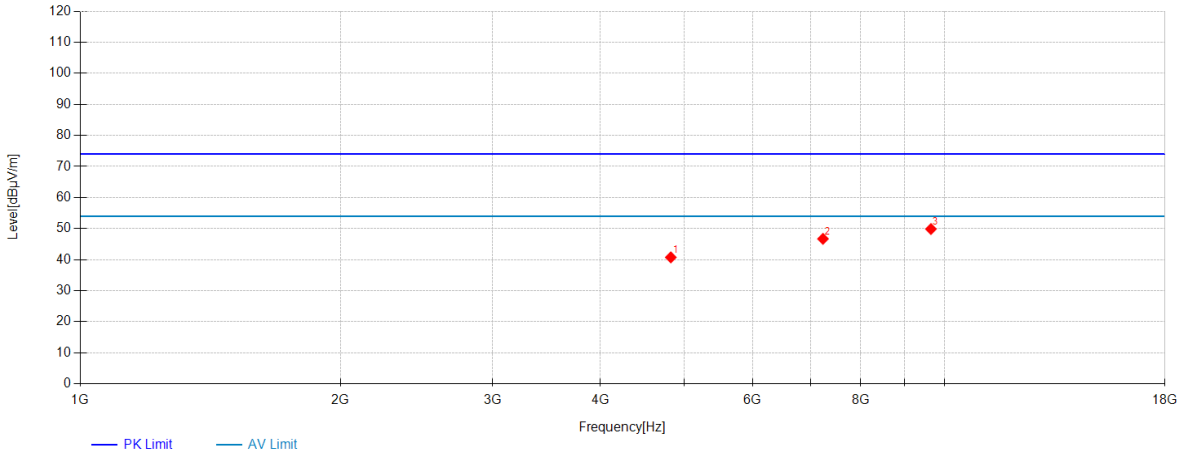


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802.11b_Channel 1



Final Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4824	52.97	30.70	-42.93	40.74	74.00	33.26	Vertical
2	7236	49.08	36.38	-38.76	46.70	74.00	27.30	Vertical
3	9648	47.74	38.09	-35.97	49.86	74.00	24.14	Vertical

Remark:

- The field strength is calculated by adding the Antenna Factor, Cable Factor & Pre-amplifier 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) - Pre-amplifier gain(dB)
 Margin = Limit(dBµV/m) – Level(dBµV/m)
- Both peak and average measured complies with the limit line, so test result is “PASS”.

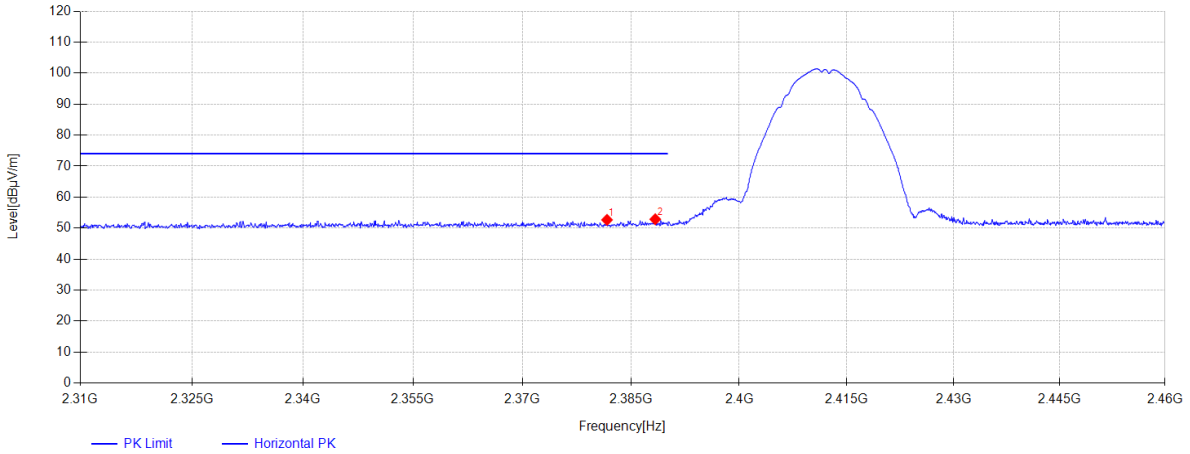


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Restricted bands around fundamental frequency
802.11b_Channel 1



Final 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	2381.6608	48.22	27.47	-23.03	52.66	74.00	21.34	100	46	Horizontal
2	2388.3392	48.44	27.45	-23.02	52.87	74.00	21.13	100	46	Horizontal



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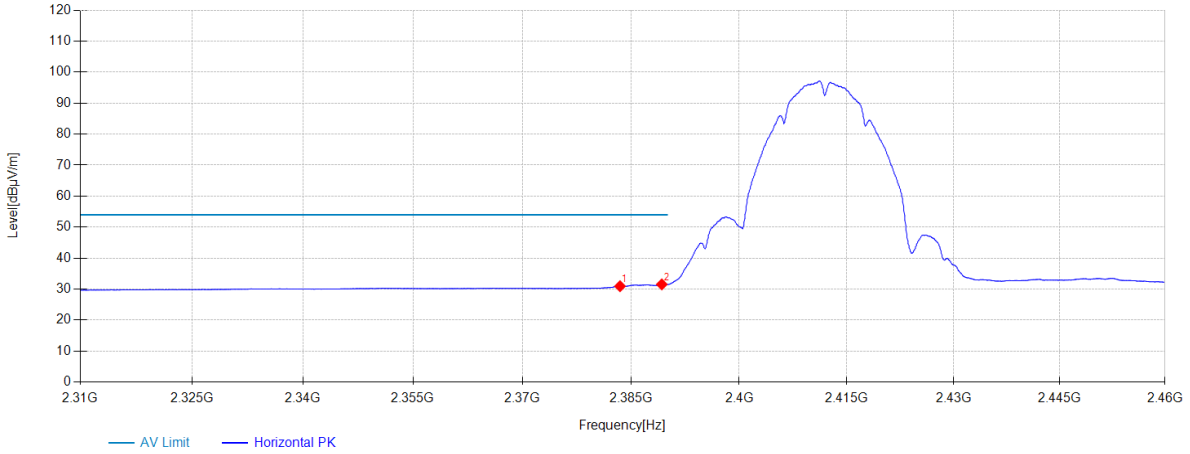
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802.11b_Channel 1



Final 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	2383.4617	26.50	27.47	-23.03	30.94	54.00	23.06	100	46	Horizontal
2	2389.2396	27.11	27.44	-23.02	31.53	54.00	22.47	100	46	Horizontal



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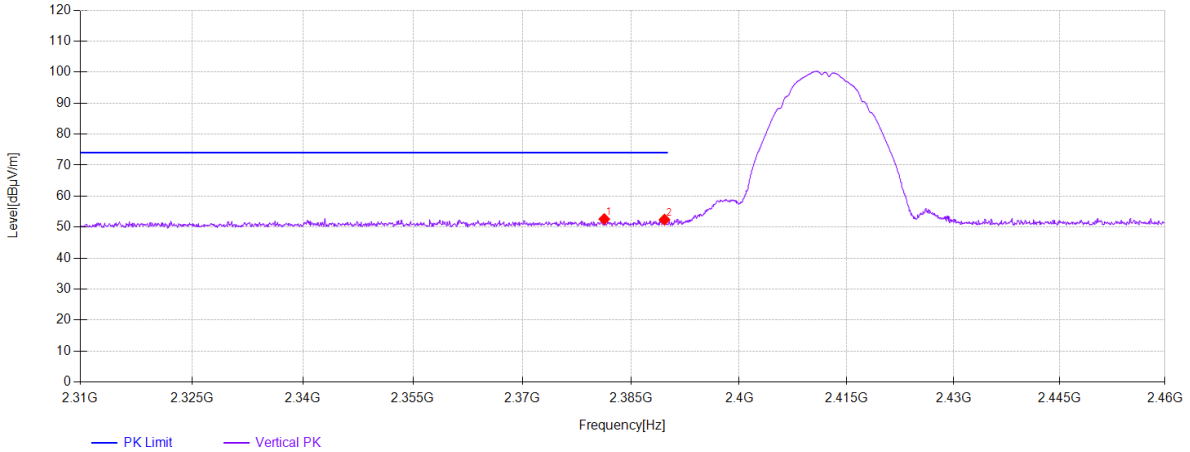
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802.11b_Channel 1



Final 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	2381.2856	48.15	27.47	-23.03	52.59	74.00	21.41	360	160	Vertical
2	2389.6148	47.99	27.44	-23.02	52.41	74.00	21.59	360	160	Vertical



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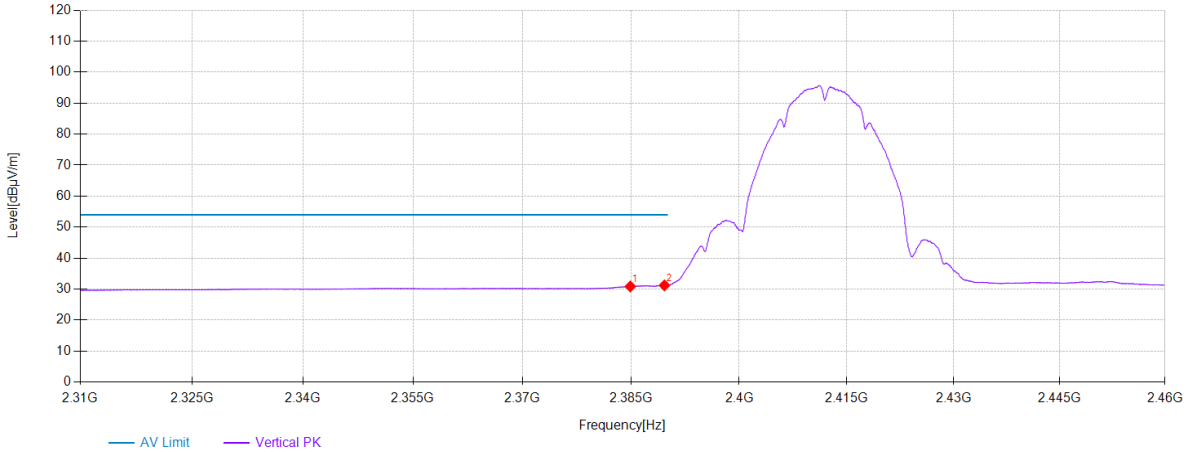
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Final Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2384.8874	26.43	27.46	-23.02	30.87	54.00	23.13	360	160	Vertical
2	2389.6148	26.80	27.44	-23.02	31.22	54.00	22.78	360	160	Vertical



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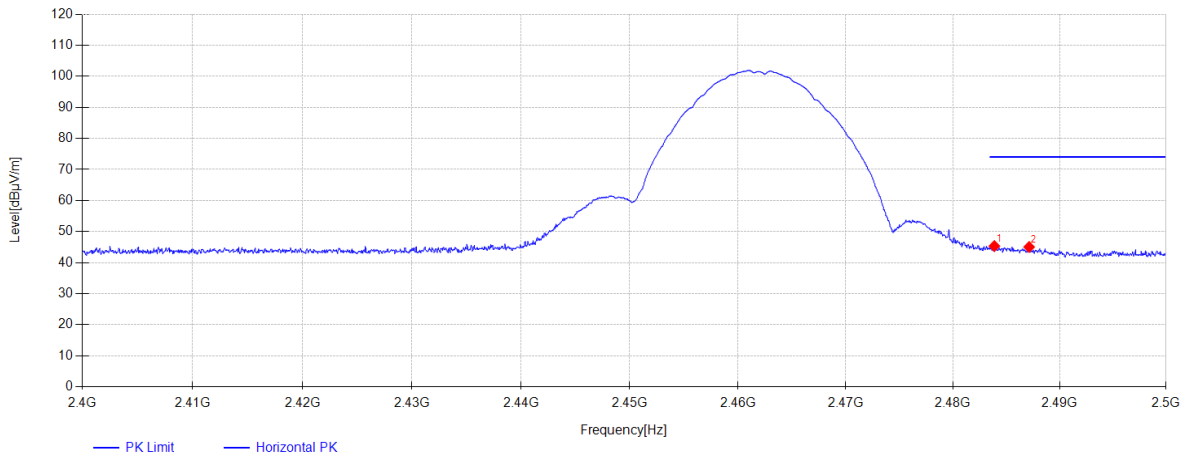
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802.11b_Channel 11



Final 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	2483.8919	40.72	27.74	-23.12	45.34	74.00	28.66	185	51	Horizontal
2	2487.1436	40.41	27.75	-23.12	45.04	74.00	28.96	185	51	Horizontal



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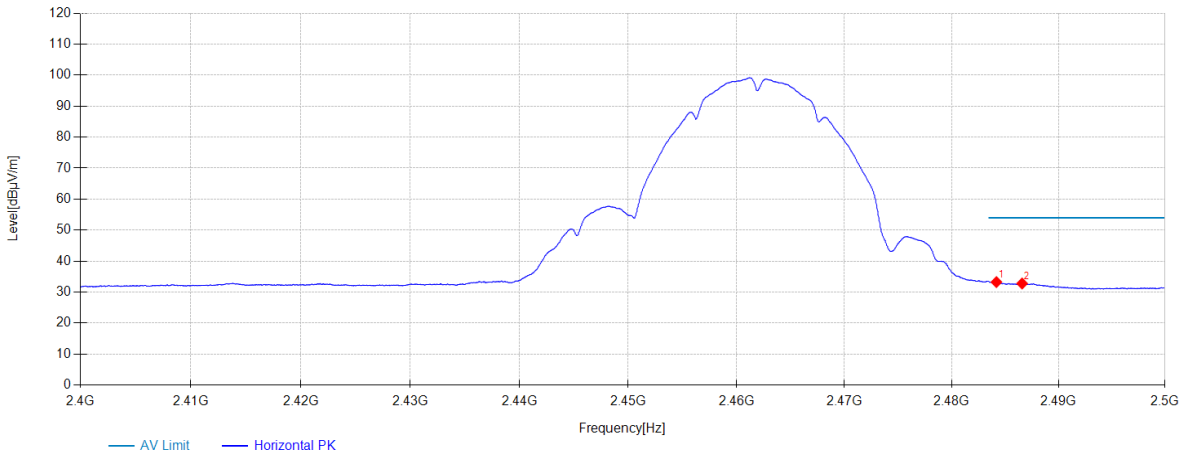
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802.11b_Channel 11



Final 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	2484.1921	28.62	27.74	-23.12	33.24	54.00	20.76	185	51	Horizontal
2	2486.5933	28.16	27.75	-23.12	32.79	54.00	21.21	185	51	Horizontal

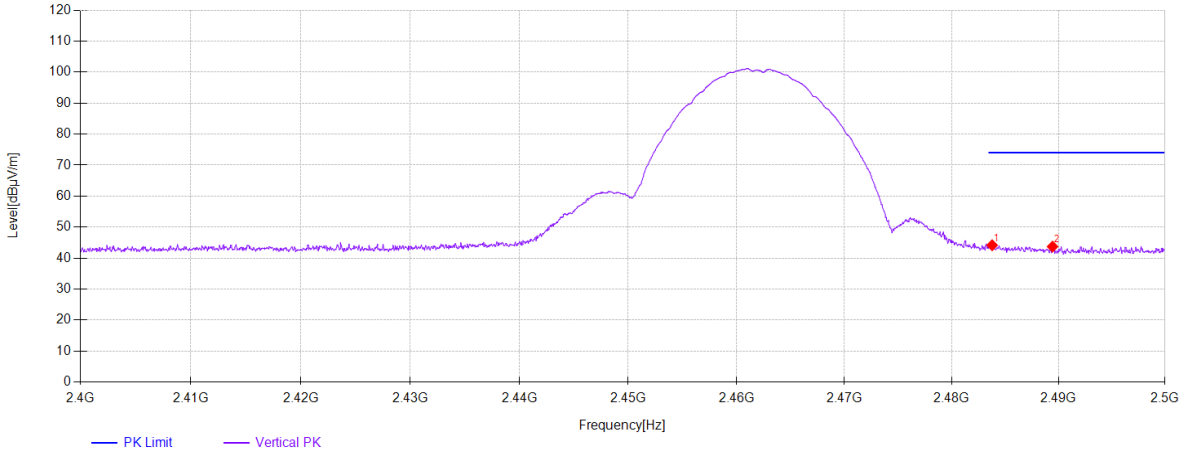


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802.11b_Channel 11



Final 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	2483.7919	39.54	27.74	-23.12	44.16	74.00	29.84	400	160	Vertical
2	2489.4447	39.09	27.76	-23.13	43.72	74.00	30.28	400	160	Vertical



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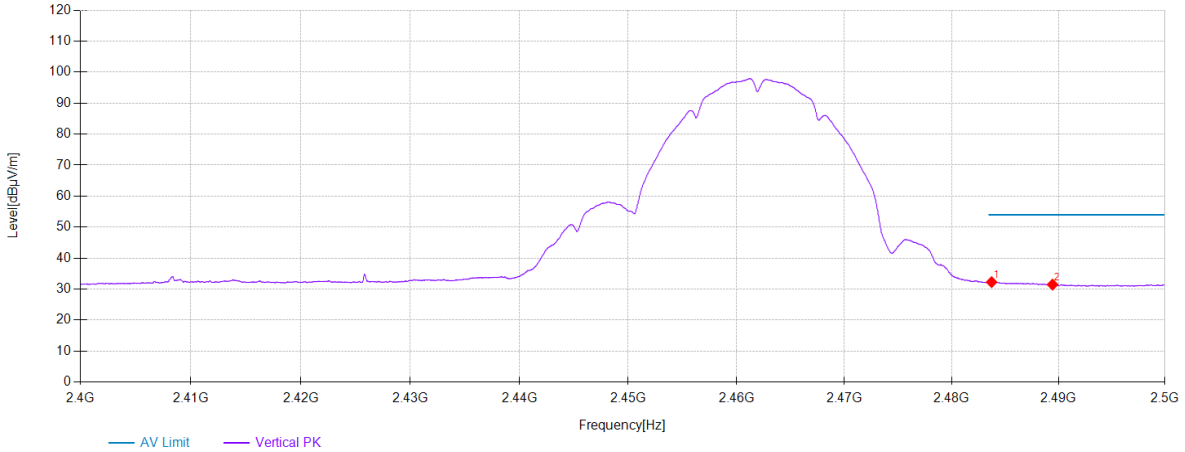
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802.11b_Channel 11



Final 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	2483.7419	27.66	27.73	-23.12	32.27	54.00	21.73	400	160	Vertical
2	2489.4447	26.83	27.76	-23.13	31.46	54.00	22.54	400	160	Vertical



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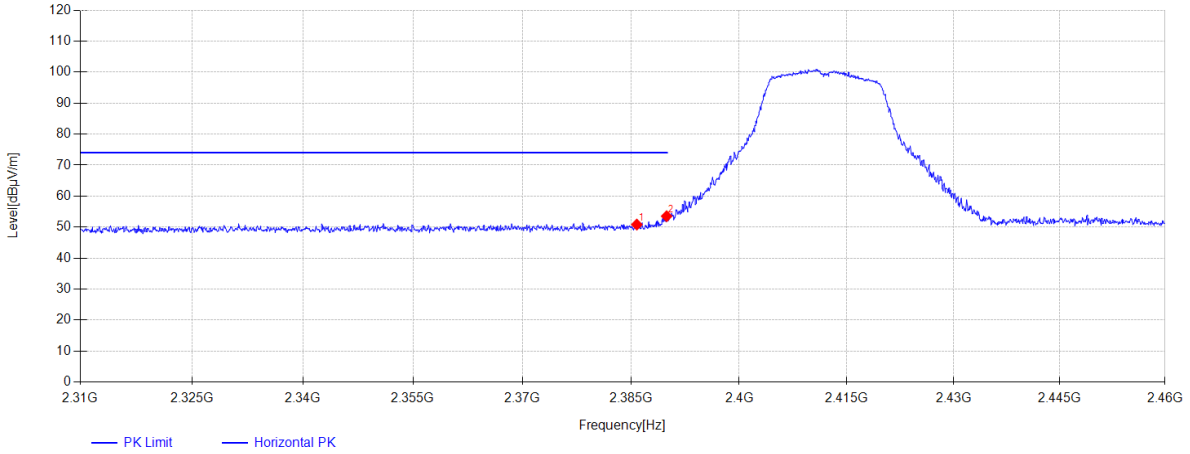
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Final Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2385.7879	46.39	27.46	-23.02	50.83	74.00	23.17	105	50	Horizontal
2	2389.915	49.11	27.44	-23.02	53.53	74.00	20.47	105	50	Horizontal



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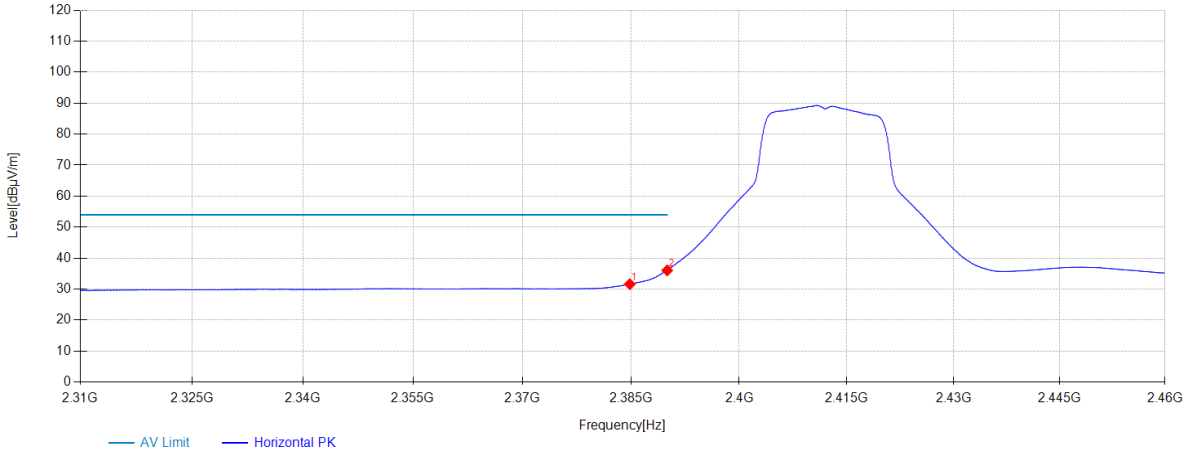
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Final Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2384.8124	27.17	27.46	-23.02	31.61	54.00	22.39	105	50	Horizontal
2	2389.99	31.63	27.44	-23.02	36.05	54.00	17.95	105	50	Horizontal

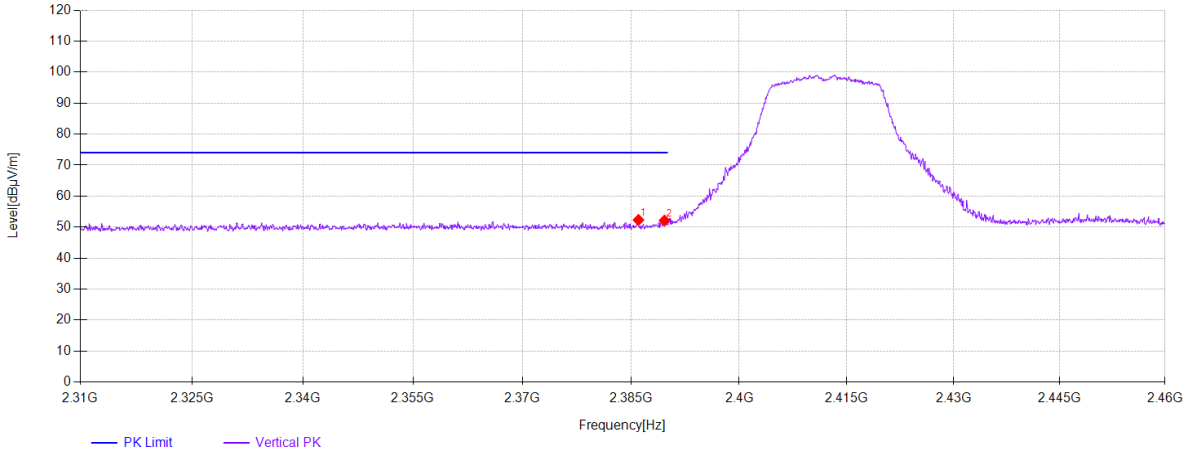


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802.11g_Channel 1



Final 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	2386.013	47.88	27.46	-23.02	52.32	74.00	21.68	398	158	Vertical
2	2389.6148	47.71	27.44	-23.02	52.13	74.00	21.87	398	158	Vertical



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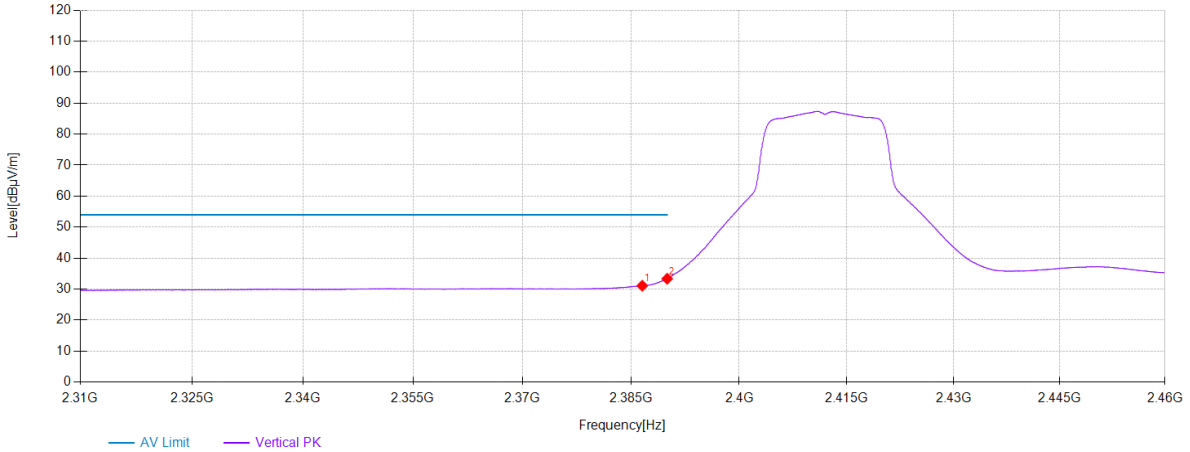
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802.11g_Channel 1



Final 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	2386.5383	26.66	27.45	-23.02	31.09	54.00	22.91	398	158	Vertical
2	2389.99	28.93	27.44	-23.02	33.35	54.00	20.65	398	158	Vertical



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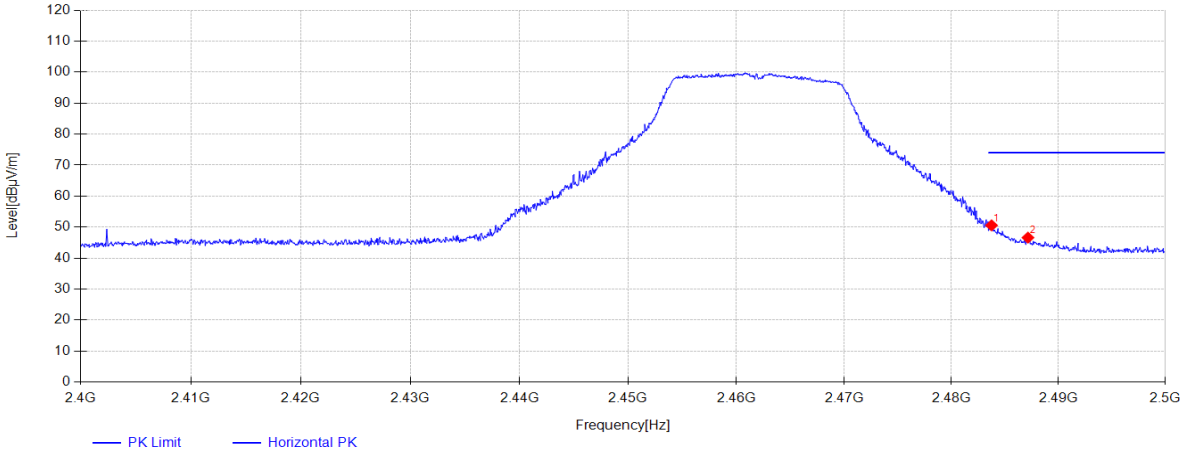
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Final Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2483.7419	45.96	27.73	-23.12	50.57	74.00	23.43	110	55	Horizontal
2	2487.1436	41.98	27.75	-23.12	46.61	74.00	27.39	110	55	Horizontal



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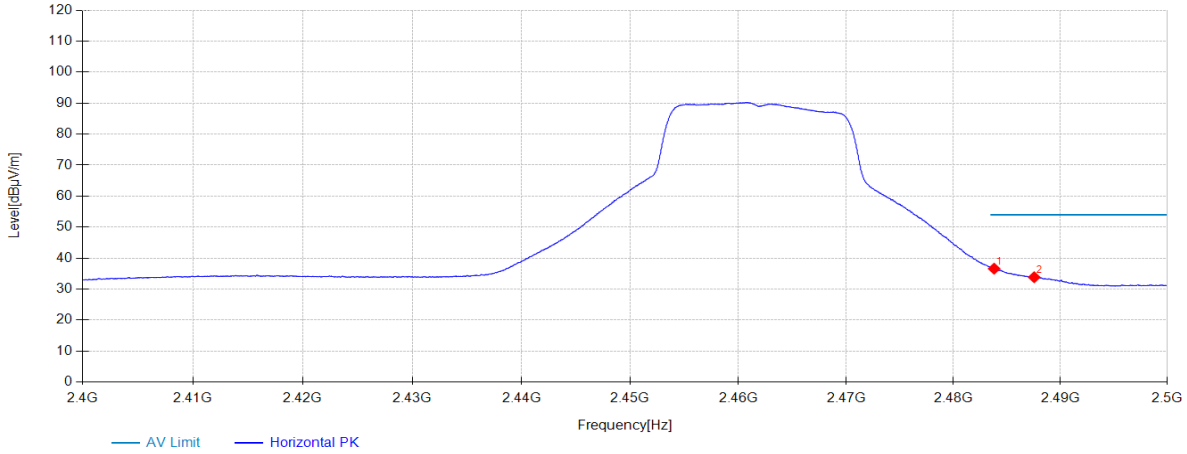
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Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2483.7919	31.98	27.74	-23.12	36.60	54.00	17.40	110	55	Horizontal
2	2487.5438	29.21	27.75	-23.12	33.84	54.00	20.16	110	55	Horizontal

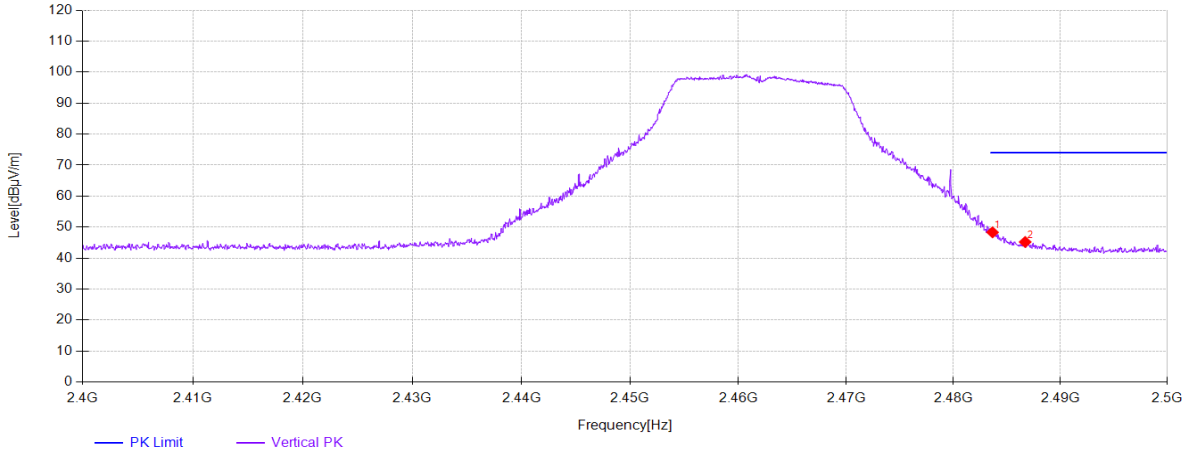


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802.11g_Channel 11

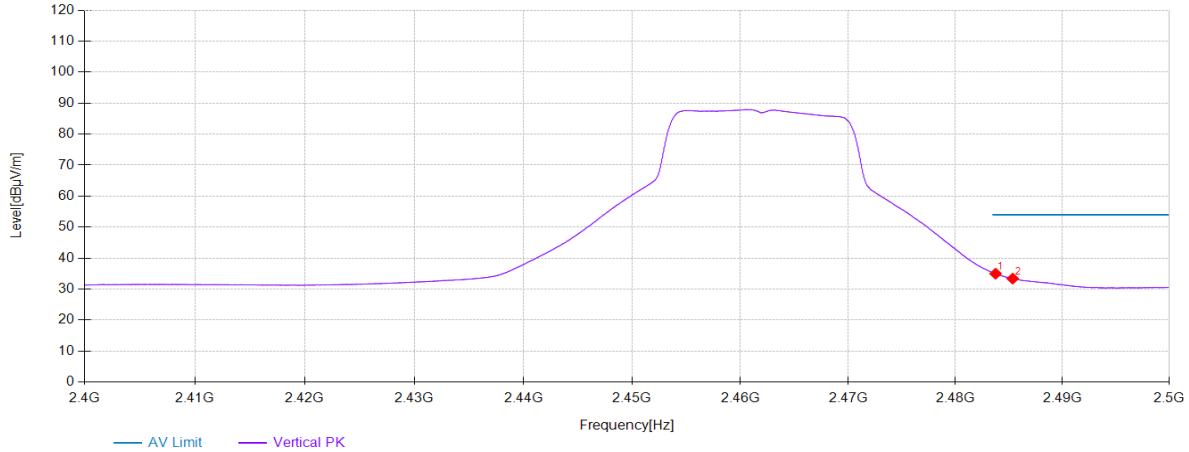


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NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2483.6418	43.71	27.73	-23.12	48.32	74.00	25.68	390	168	Vertical
2	2486.6933	40.58	27.75	-23.12	45.21	74.00	28.79	390	168	Vertical



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802.11g_Channel 11


Final Data List										
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1	2483.7419	30.38	27.73	-23.12	34.99	54.00	19.01	390	168	Vertical
2	2485.3427	28.78	27.74	-23.12	33.40	54.00	20.60	390	168	Vertical


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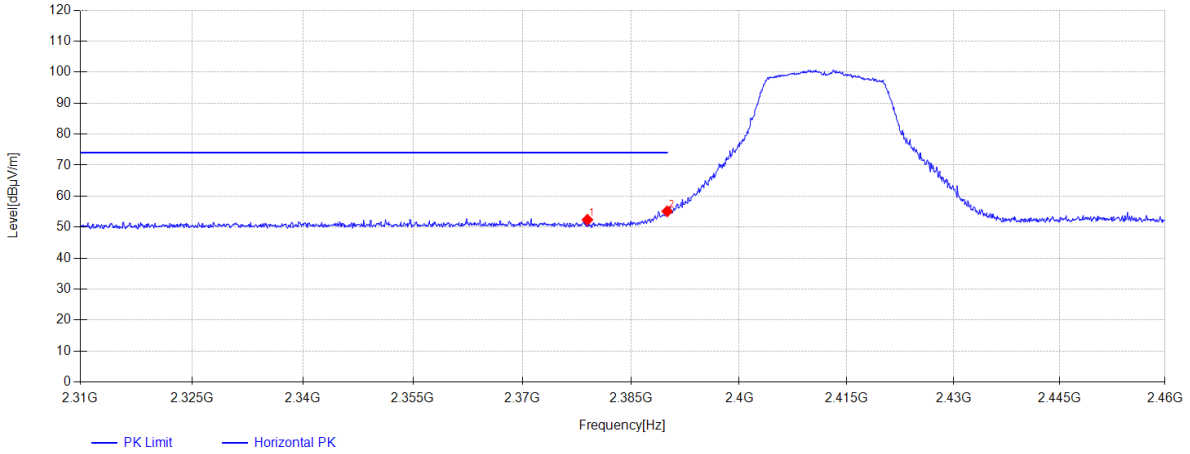
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802.11n20_Channel 1



Final 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	2378.9595	47.92	27.48	-23.03	52.37	74.00	21.63	150	48	Horizontal
2	2389.99	50.68	27.44	-23.02	55.10	74.00	18.90	150	48	Horizontal



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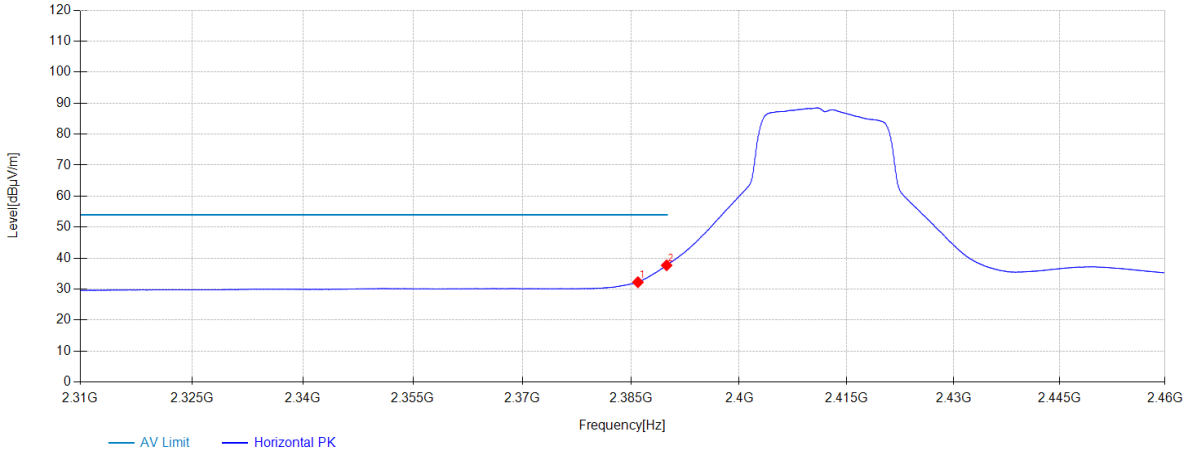
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802.11n20_Channel 1



Final 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	2385.938	27.80	27.46	-23.02	32.24	54.00	21.76	150	48	Horizontal
2	2389.915	33.26	27.44	-23.02	37.68	54.00	16.32	150	48	Horizontal

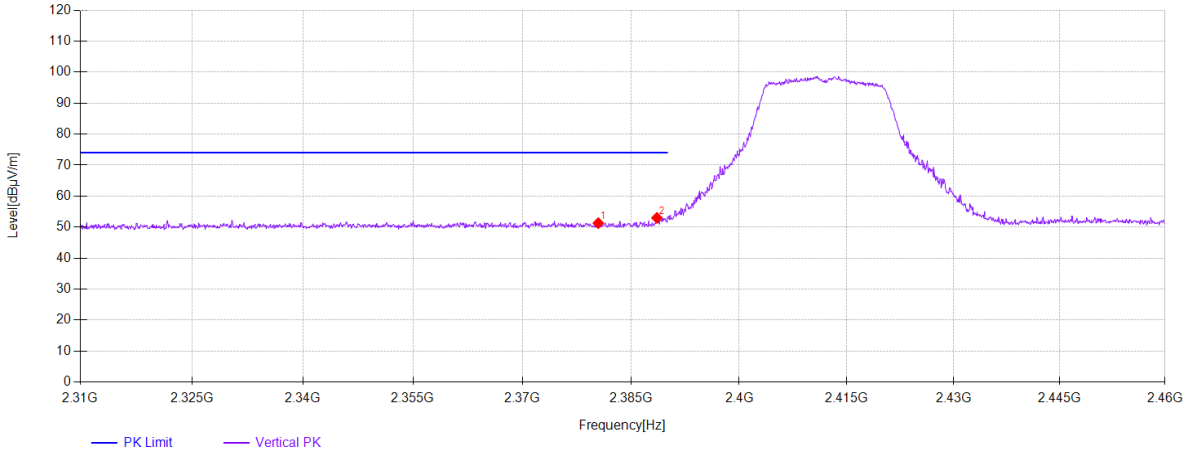


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802.11n20_Channel 1



Final 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	2380.4602	46.84	27.48	-23.03	51.29	74.00	22.71	388	152	Vertical
2	2388.5643	48.55	27.45	-23.02	52.98	74.00	21.02	388	152	Vertical



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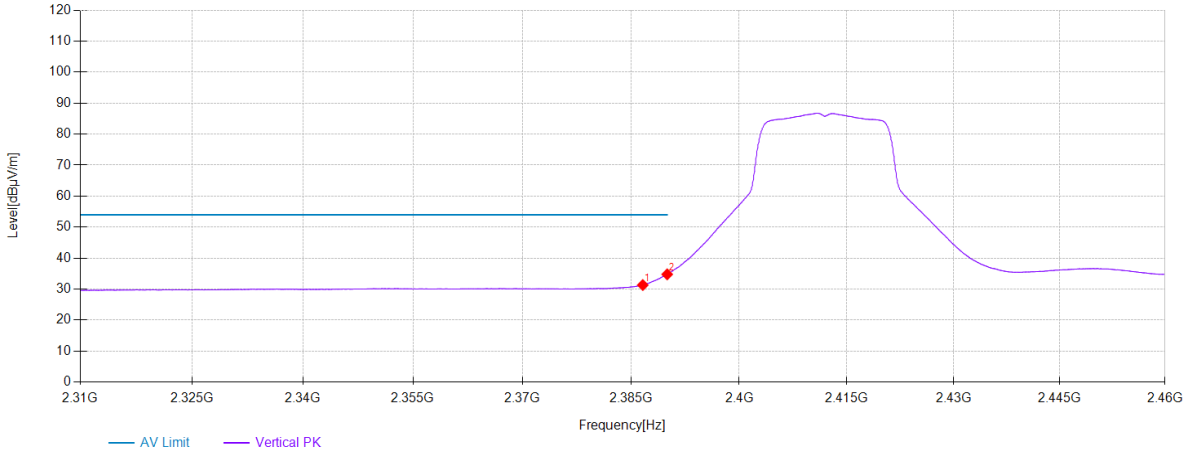
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802.11n20_Channel 1



Final 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	2386.6133	26.89	27.45	-23.02	31.32	54.00	22.68	388	152	Vertical
2	2389.99	30.36	27.44	-23.02	34.78	54.00	19.22	388	152	Vertical



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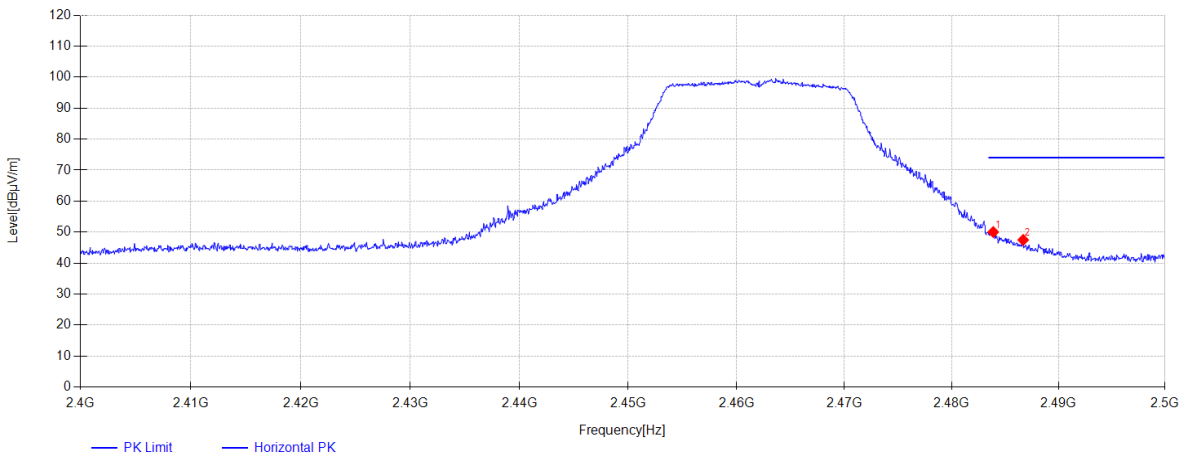
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802.11n20_Channel 11



Final 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	2483.8919	45.41	27.74	-23.12	50.03	74.00	23.97	120	60	Horizontal
2	2486.6933	42.85	27.75	-23.12	47.48	74.00	26.52	120	60	Horizontal



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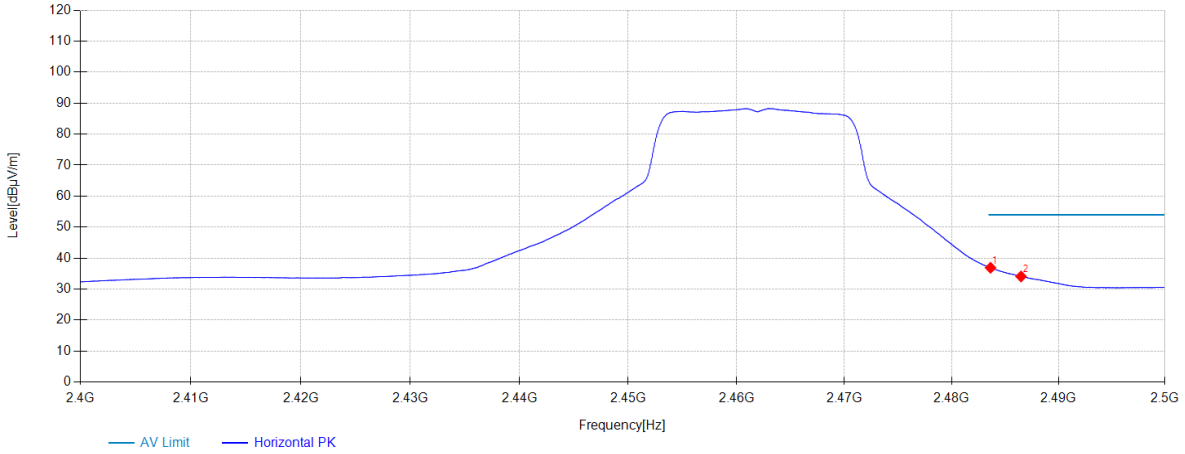
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Final Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2483.6418	32.28	27.73	-23.12	36.89	54.00	17.11	120	60	Horizontal
2	2486.4932	29.46	27.75	-23.12	34.09	54.00	19.91	120	60	Horizontal

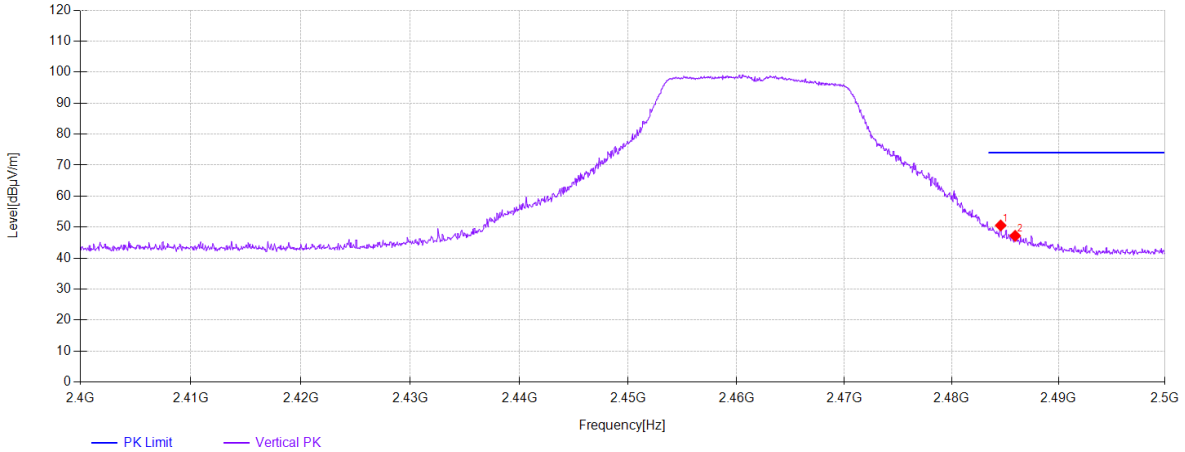


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802.11n20_Channel 11



Final 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	2484.5923	45.93	27.74	-23.12	50.55	74.00	23.45	395	162	Vertical
2	2485.943	42.58	27.74	-23.12	47.20	74.00	26.80	395	162	Vertical



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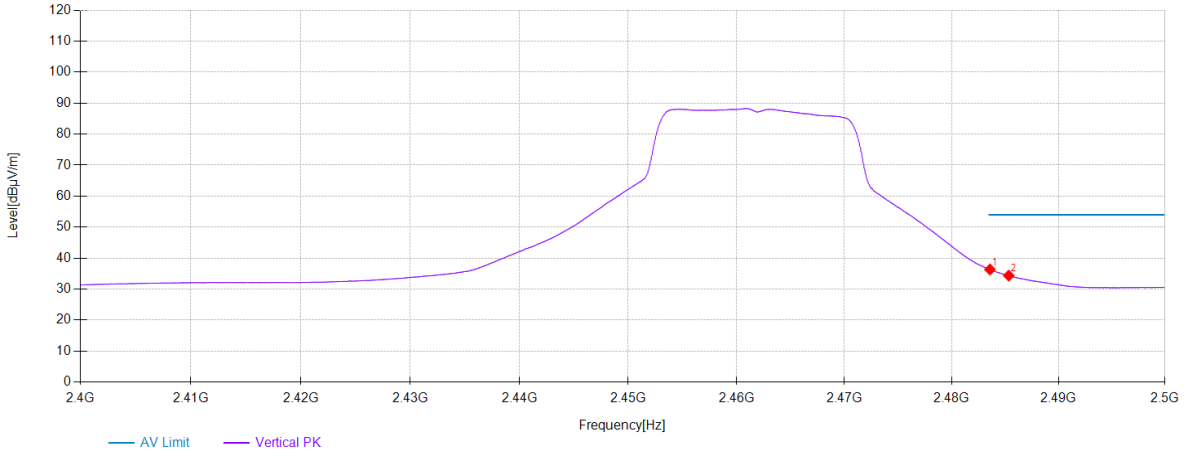
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NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2483.5918	31.72	27.73	-23.12	36.33	54.00	17.67	395	162	Vertical
2	2485.3427	29.73	27.74	-23.12	34.35	54.00	19.65	395	162	Vertical



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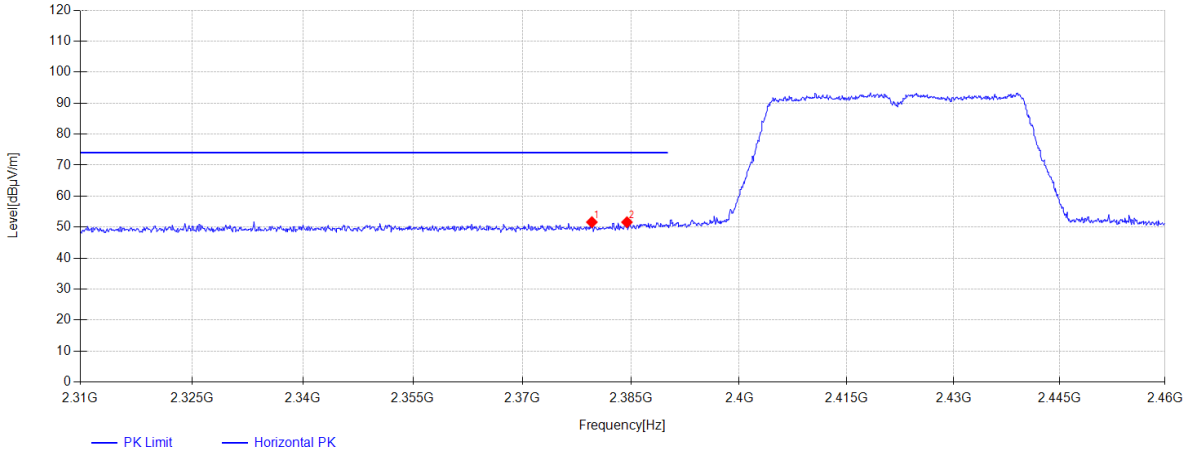
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Final Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2379.5748	47.15	27.48	-23.03	51.60	74.00	22.40	134	56	Horizontal
2	2384.4222	47.15	27.46	-23.02	51.59	74.00	22.41	134	56	Horizontal



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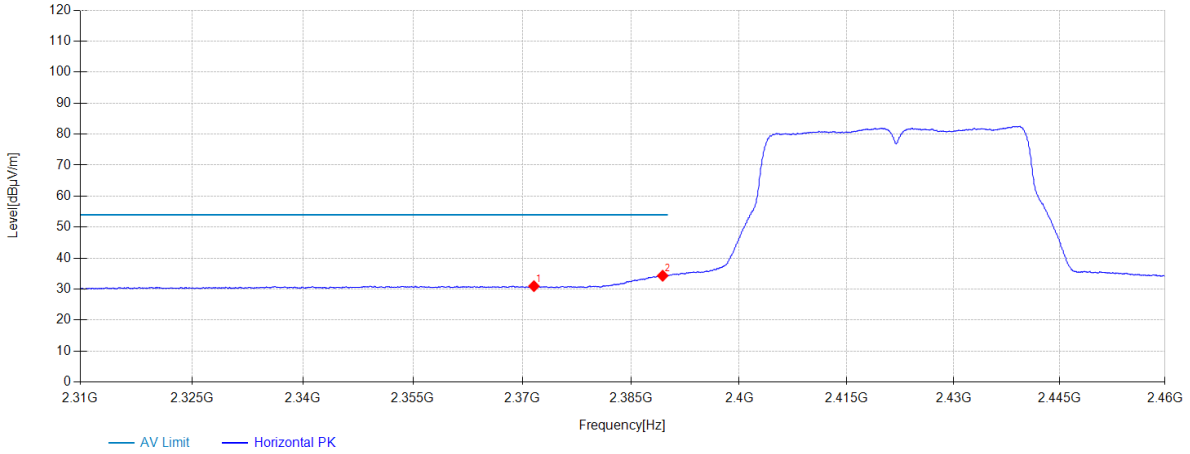
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NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2371.5908	26.51	27.51	-23.05	30.97	54.00	23.03	134	56	Horizontal
2	2389.3647	29.91	27.44	-23.02	34.33	54.00	19.67	134	56	Horizontal



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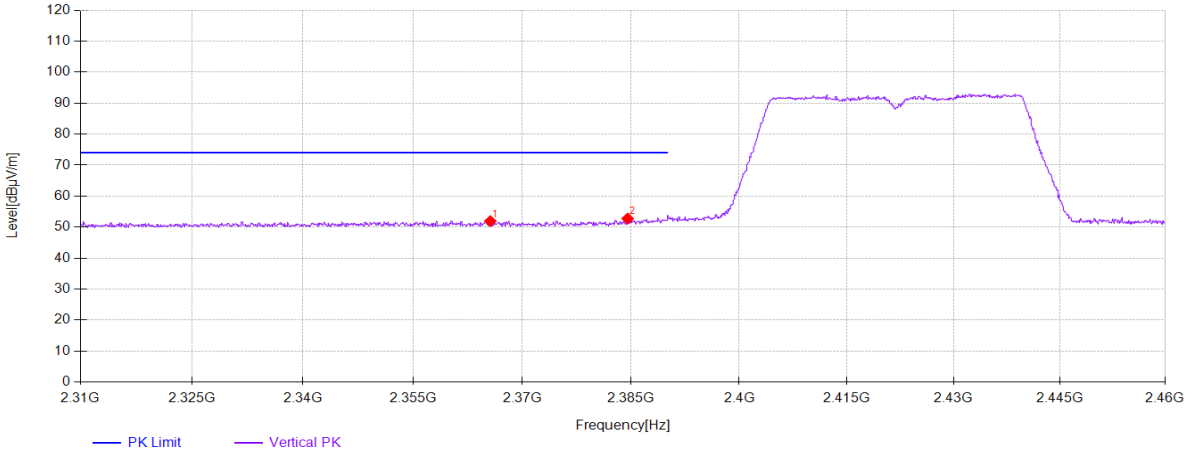
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Final Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2365.6028	47.45	27.54	-23.06	51.93	74.00	22.07	399	160	Vertical
2	2384.5173	48.31	27.46	-23.02	52.75	74.00	21.25	399	160	Vertical



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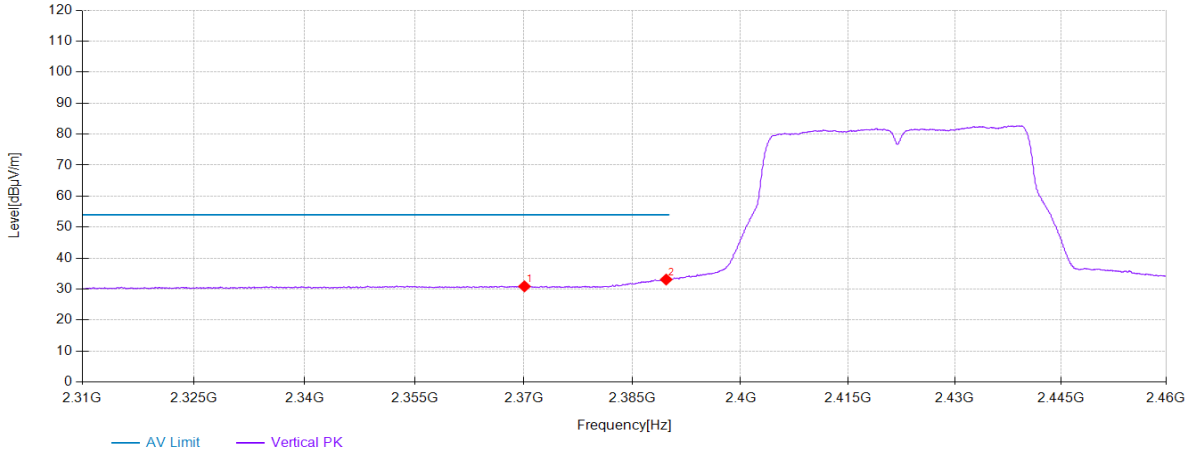
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Final Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2370.07	26.42	27.52	-23.05	30.89	54.00	23.11	399	160	Vertical
2	2389.6498	28.68	27.44	-23.02	33.10	54.00	20.90	399	160	Vertical

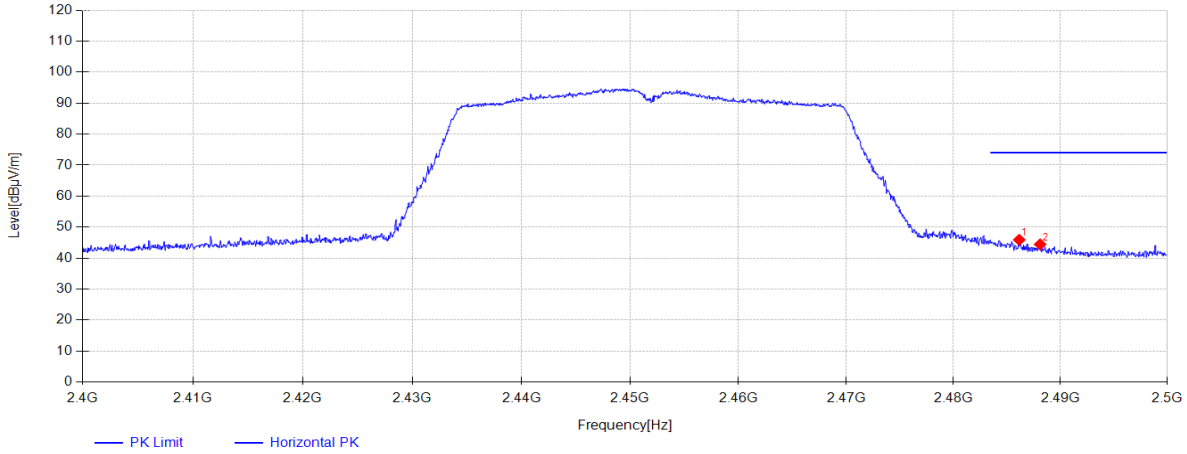


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802.11n40_Channel 9



Final 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	2486.1431	41.28	27.74	-23.12	45.90	74.00	28.10	163	53	Horizontal
2	2488.094	39.80	27.75	-23.12	44.43	74.00	29.57	163	53	Horizontal



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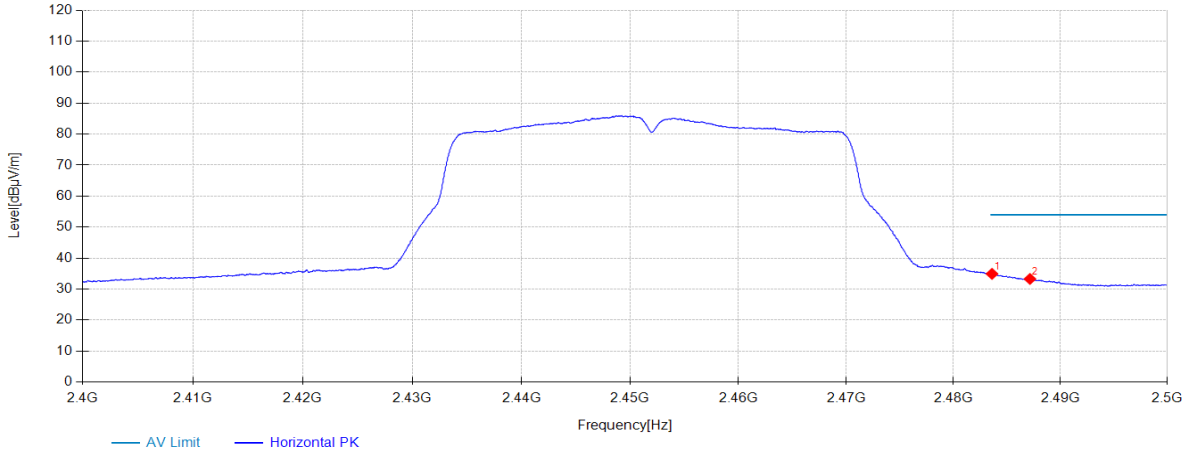
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Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2483.5918	30.32	27.73	-23.12	34.93	54.00	19.07	163	53	Horizontal
2	2487.1436	28.65	27.75	-23.12	33.28	54.00	20.72	163	53	Horizontal

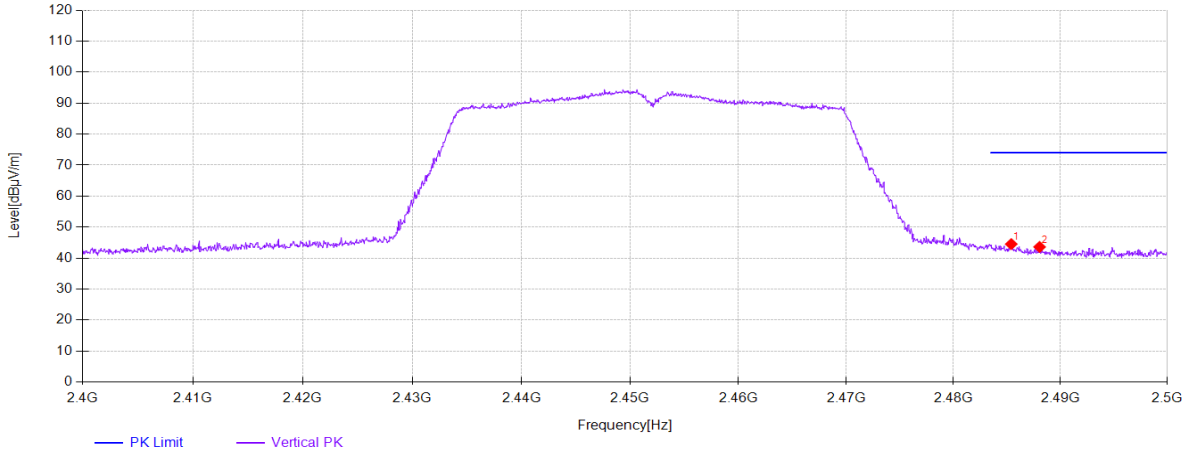


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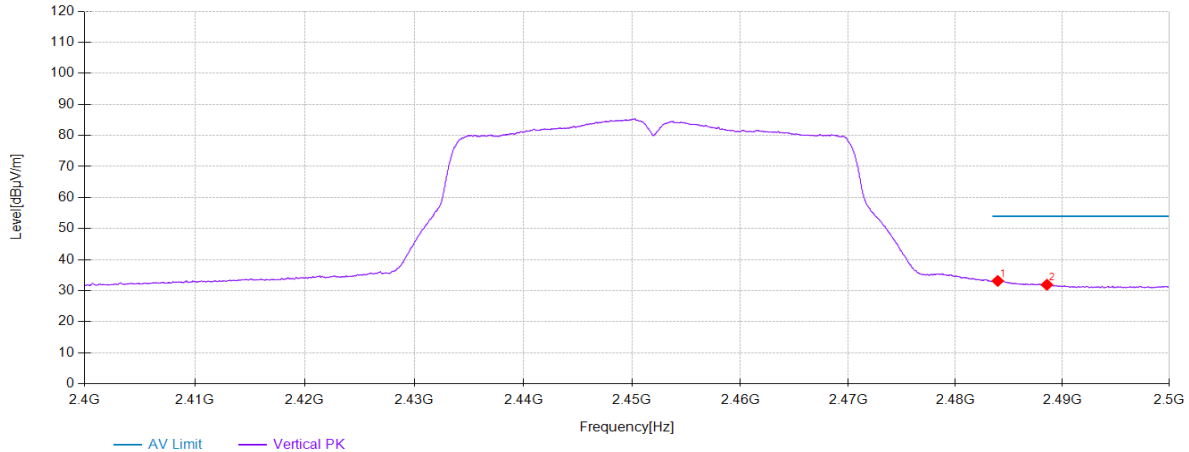


Final Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2485.3927	39.91	27.74	-23.12	44.53	74.00	29.47	397	150	Vertical
2	2488.044	38.98	27.75	-23.12	43.61	74.00	30.39	397	150	Vertical



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Final 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	2483.942	28.53	27.74	-23.12	33.15	54.00	20.85	397	150	Vertical
2	2488.5443	27.29	27.75	-23.12	31.92	54.00	22.08	397	150	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)
- Both peak and average measured complies with the limit line, so test result is “PASS”.

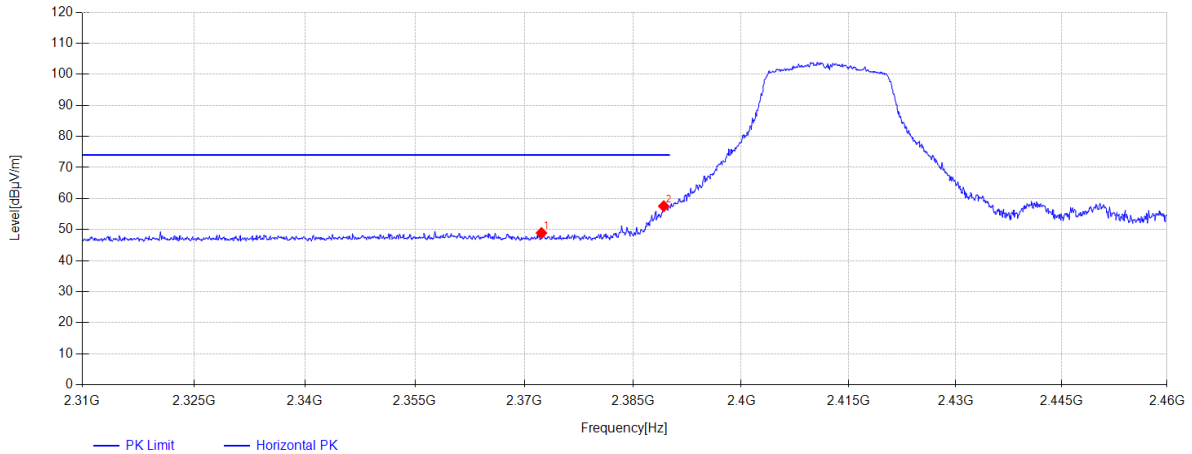




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Test on the worst case:
802.11n20_Channel 11



Final Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2372.3562	39.86	27.51	-18.46	48.91	74.00	25.09	Horizontal
2	2389.2396	48.27	27.44	-18.17	57.54	74.00	16.46	Horizontal



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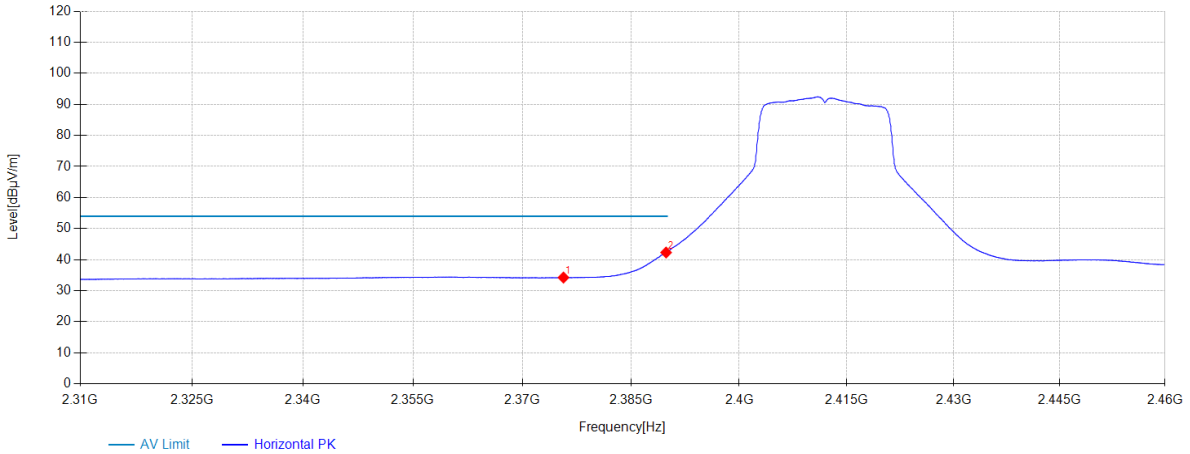
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Final Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2375.6578	25.16	27.50	-18.42	34.24	54.00	19.76	Horizontal
2	2389.8399	33.02	27.44	-18.15	42.31	54.00	11.69	Horizontal



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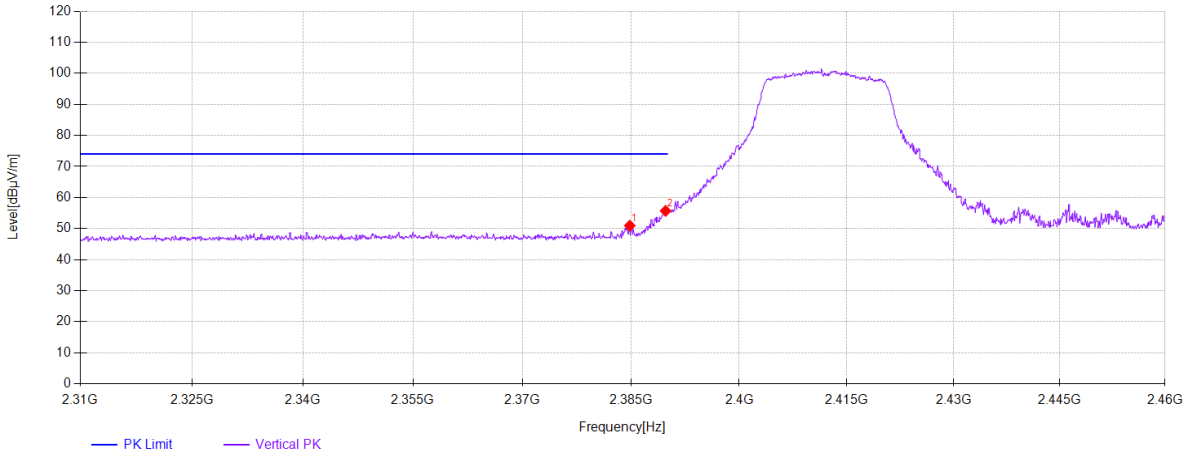
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Final Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2384.8124	41.75	27.46	-18.26	50.95	74.00	23.05	Vertical
2	2389.7649	46.42	27.44	-18.16	55.70	74.00	18.30	Vertical

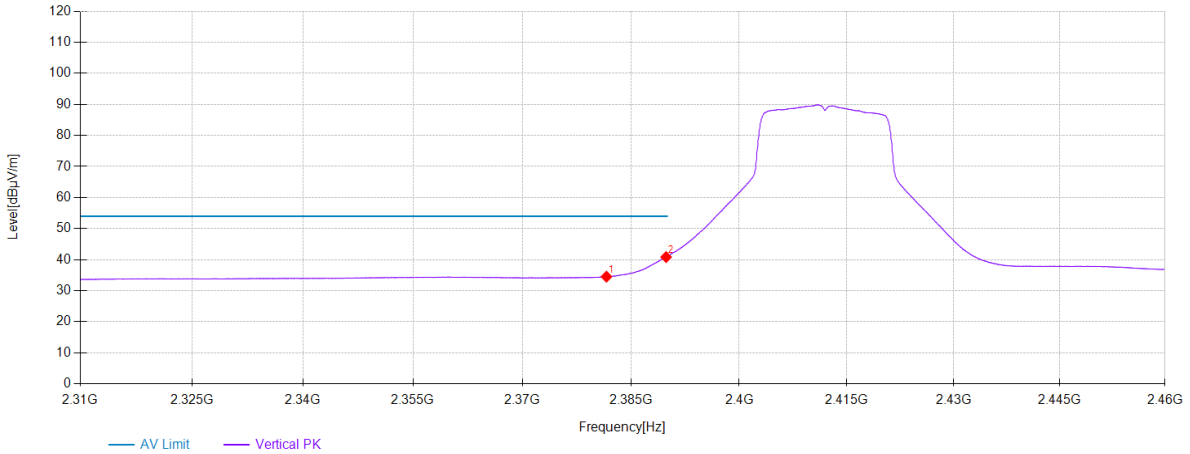


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802.11n20_Channel 11



Final Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF[dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2381.5858	25.40	27.47	-18.34	34.53	54.00	19.47	Vertical
2	2389.8399	31.54	27.44	-18.15	40.83	54.00	13.17	Vertical

Remark:

- The field strength is calculated by adding the Antenna Factor, Cable Factor & Pre-amplifier 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) - Pre-amplifier gain(dB)
 Margin = Limit(dBµV/m) – Level(dBµV/m)
- Both peak and average measured complies with the limit line, so test result is “PASS”.

---End of Report---



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