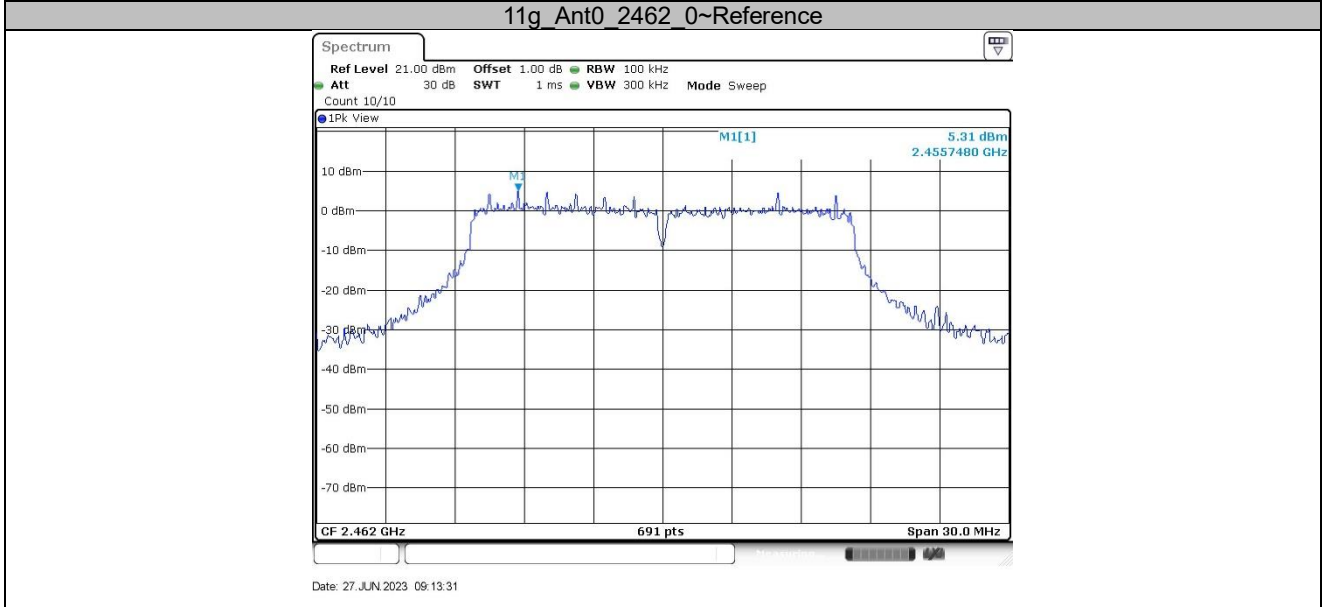
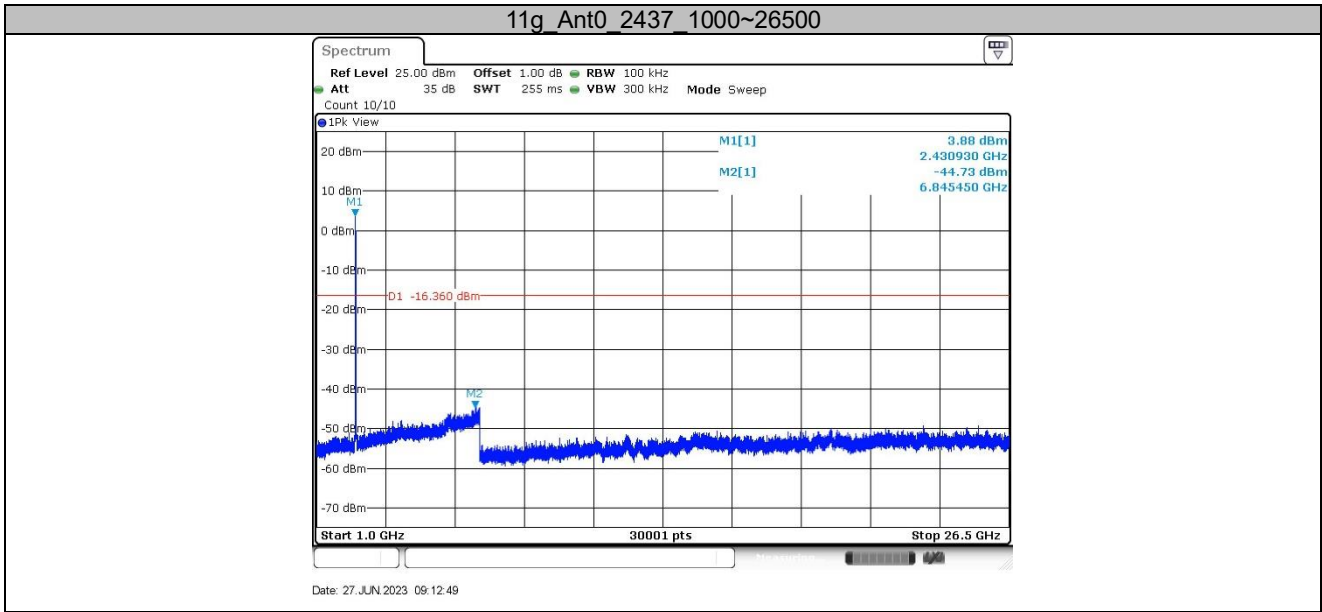




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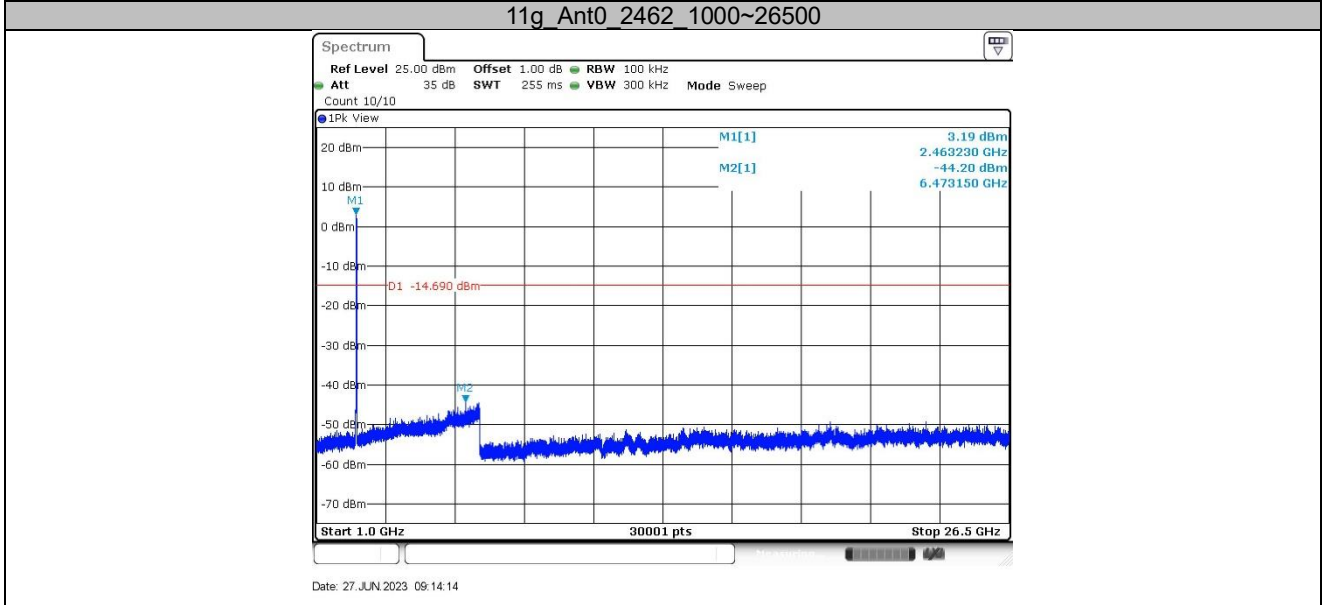
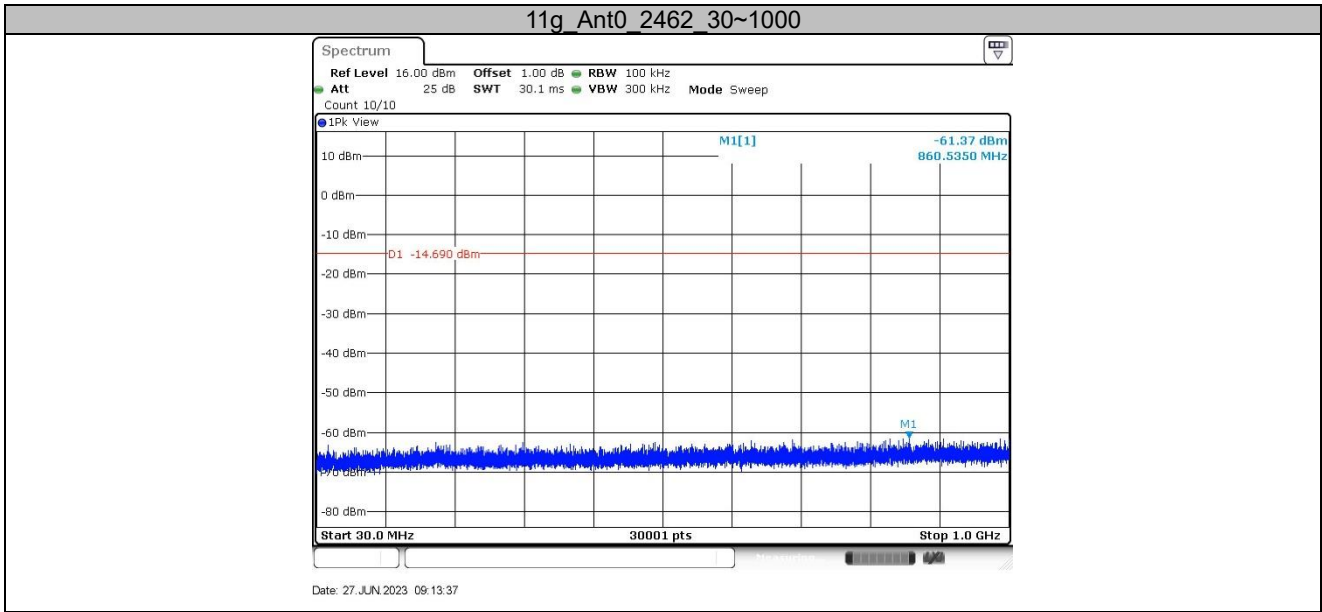


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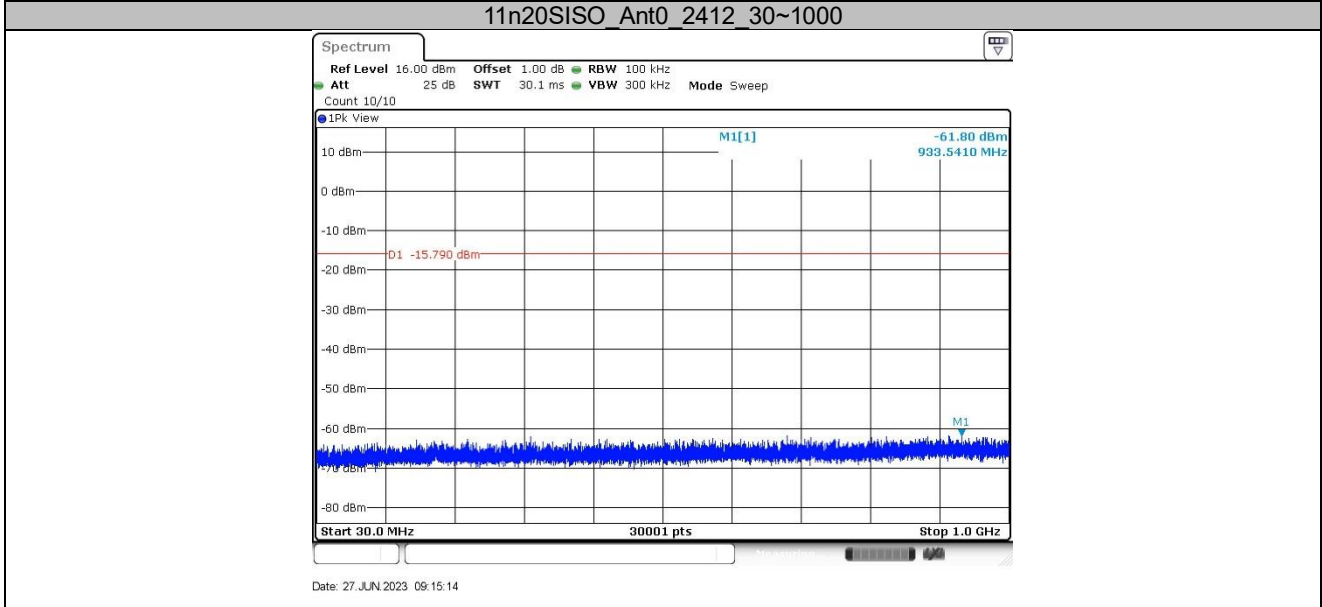
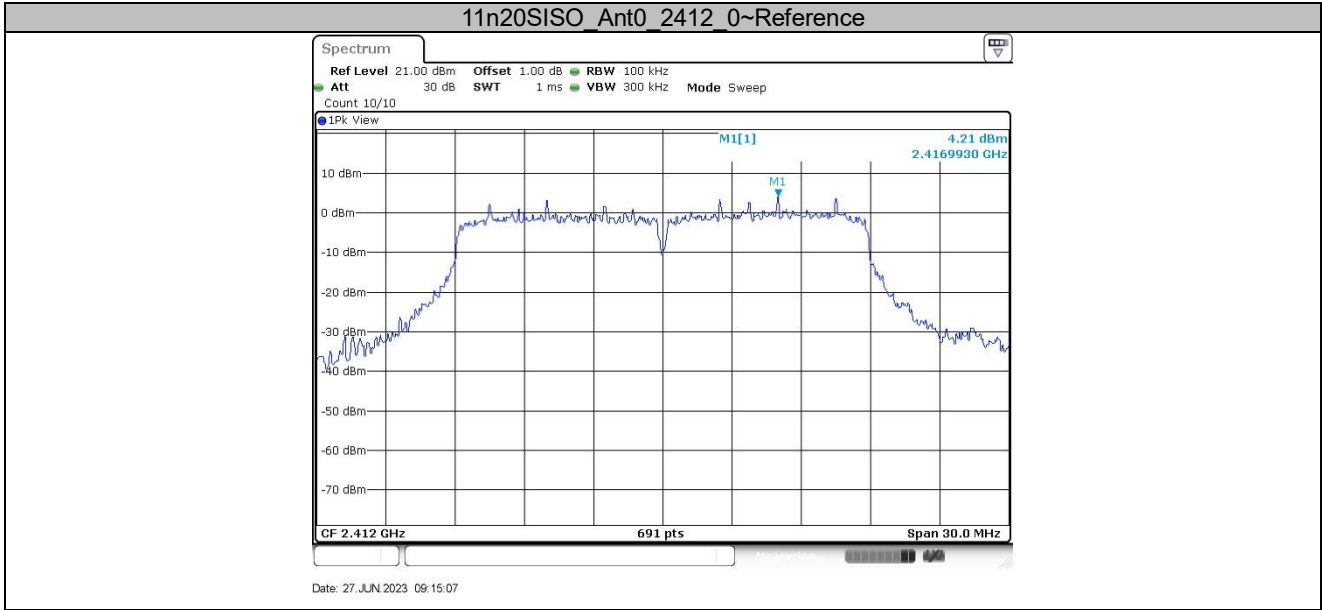
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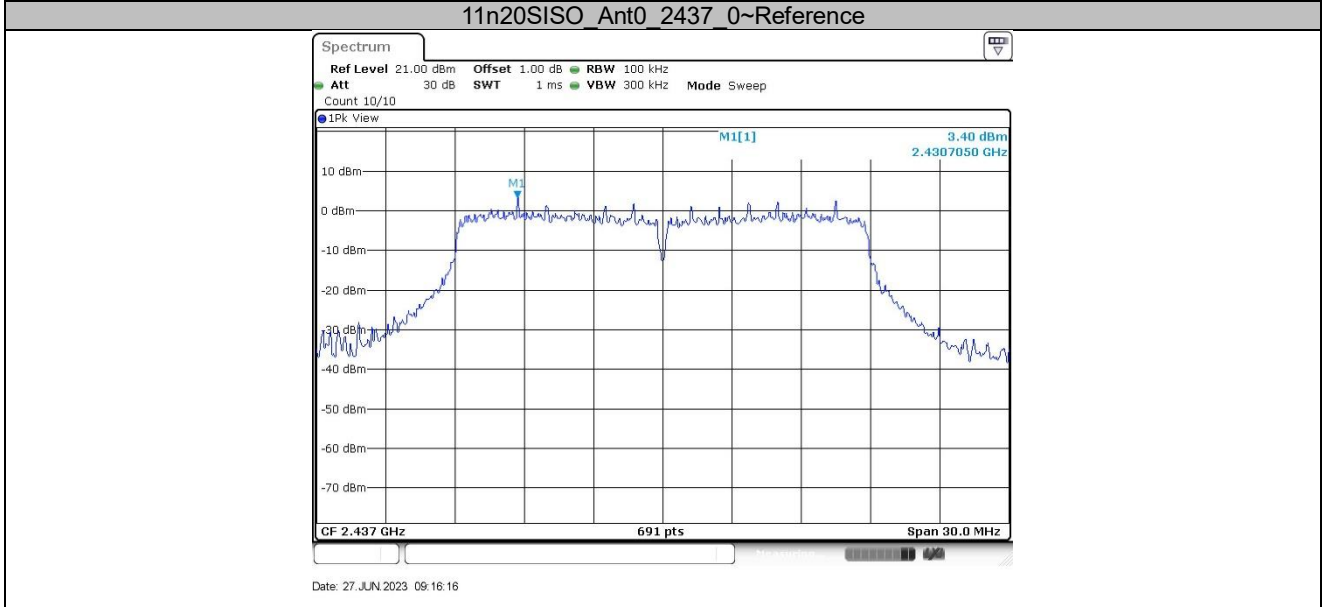
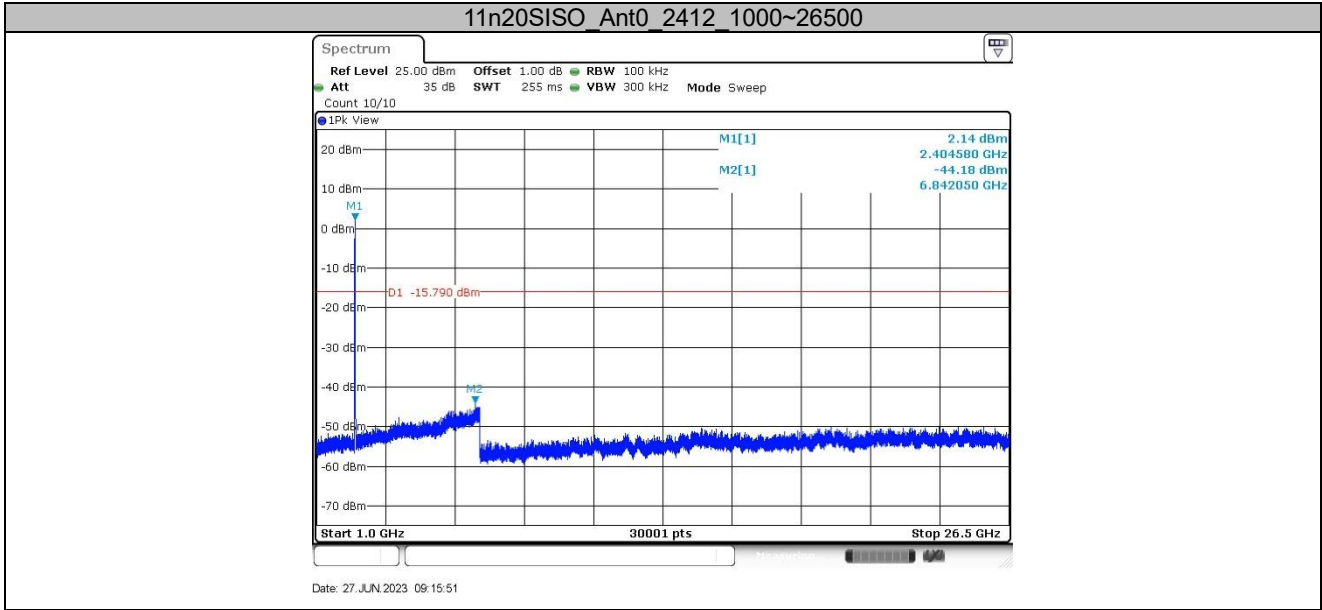
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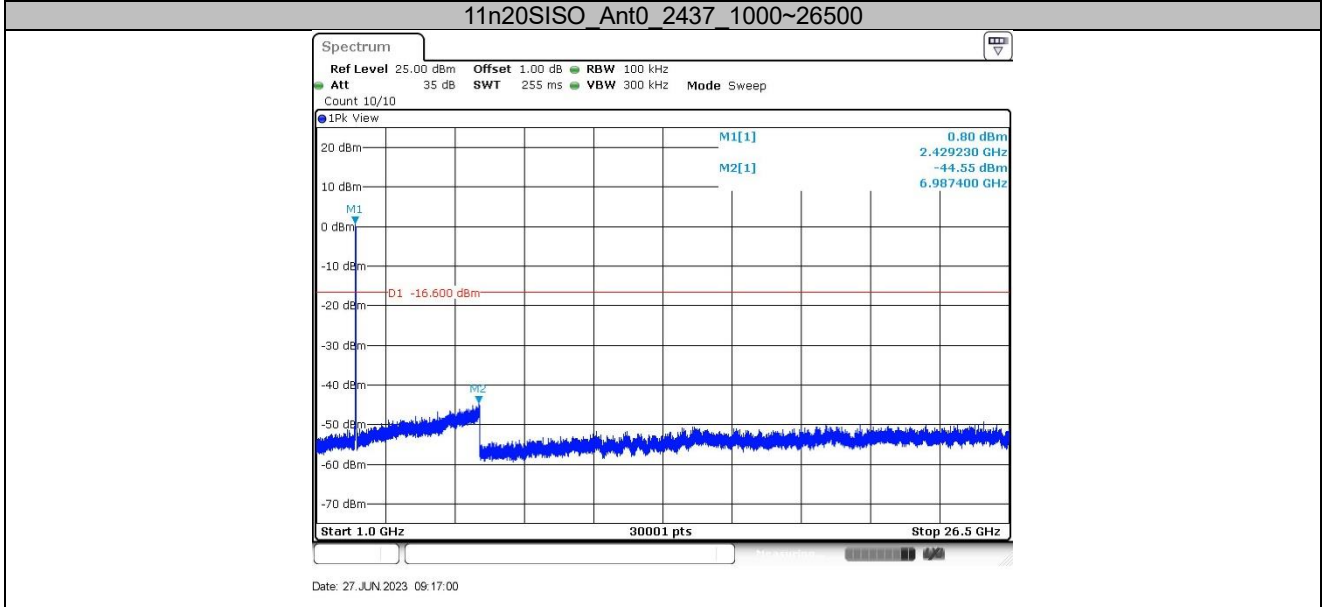
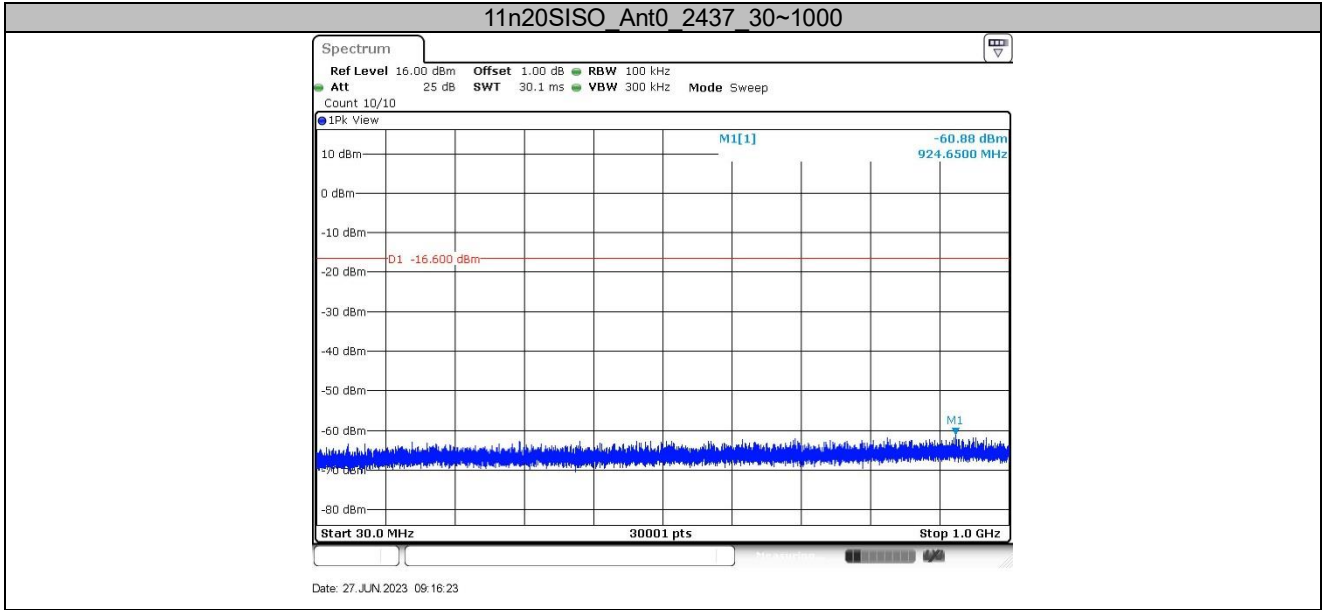


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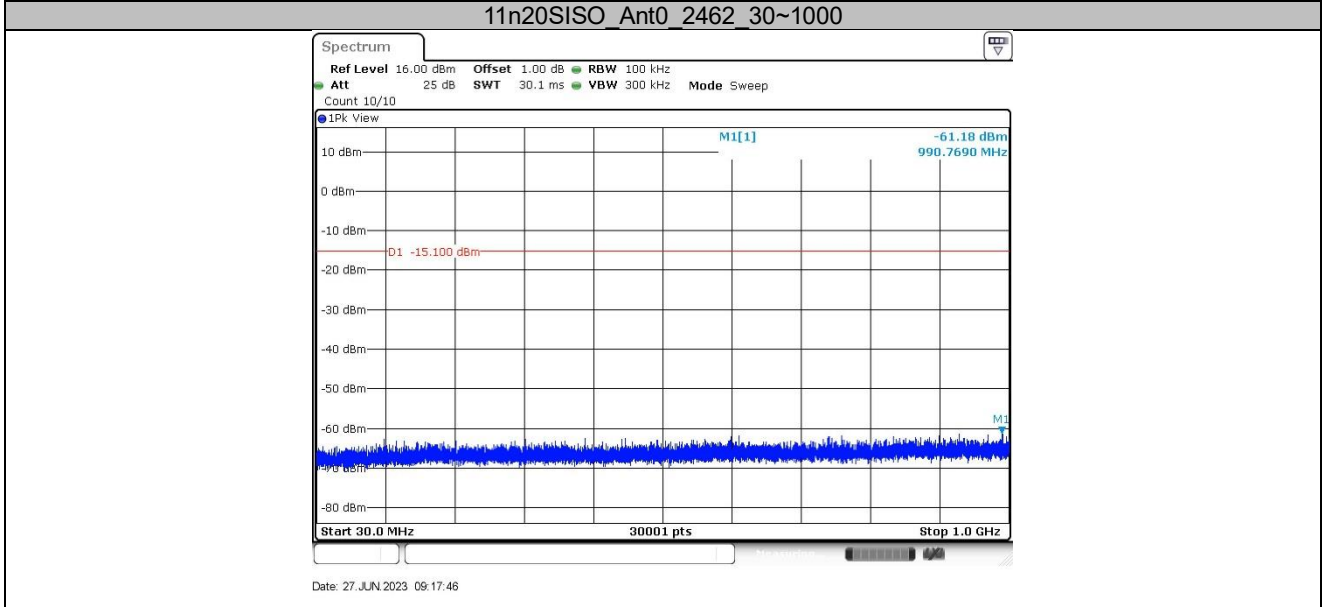
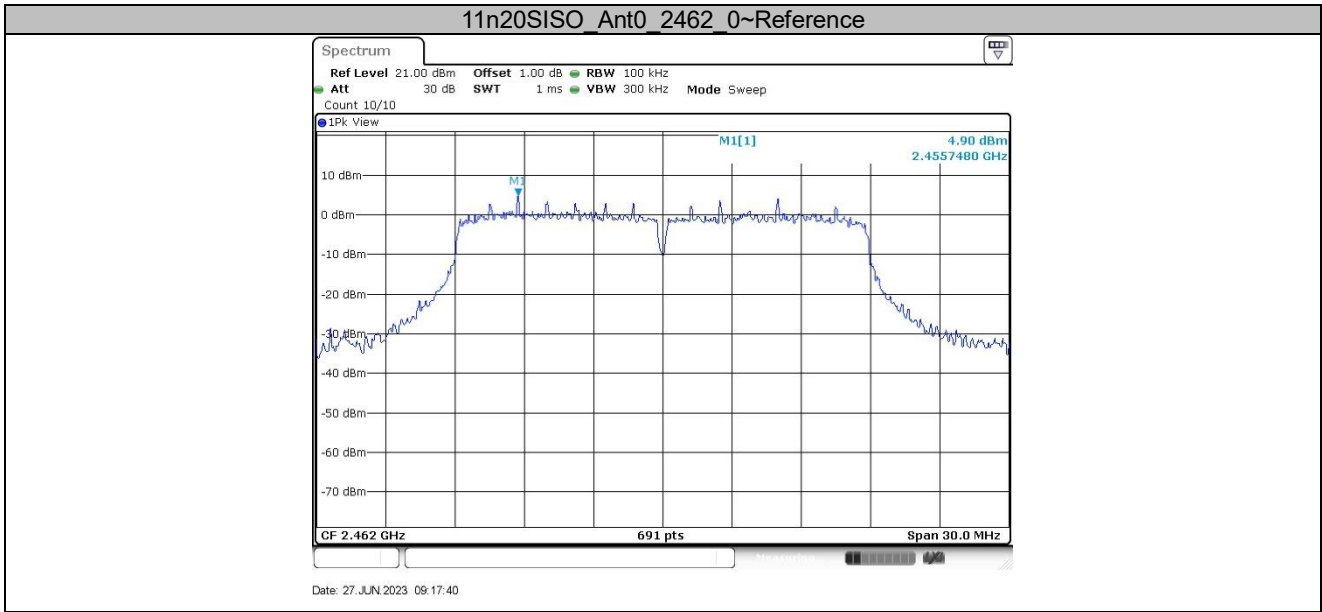
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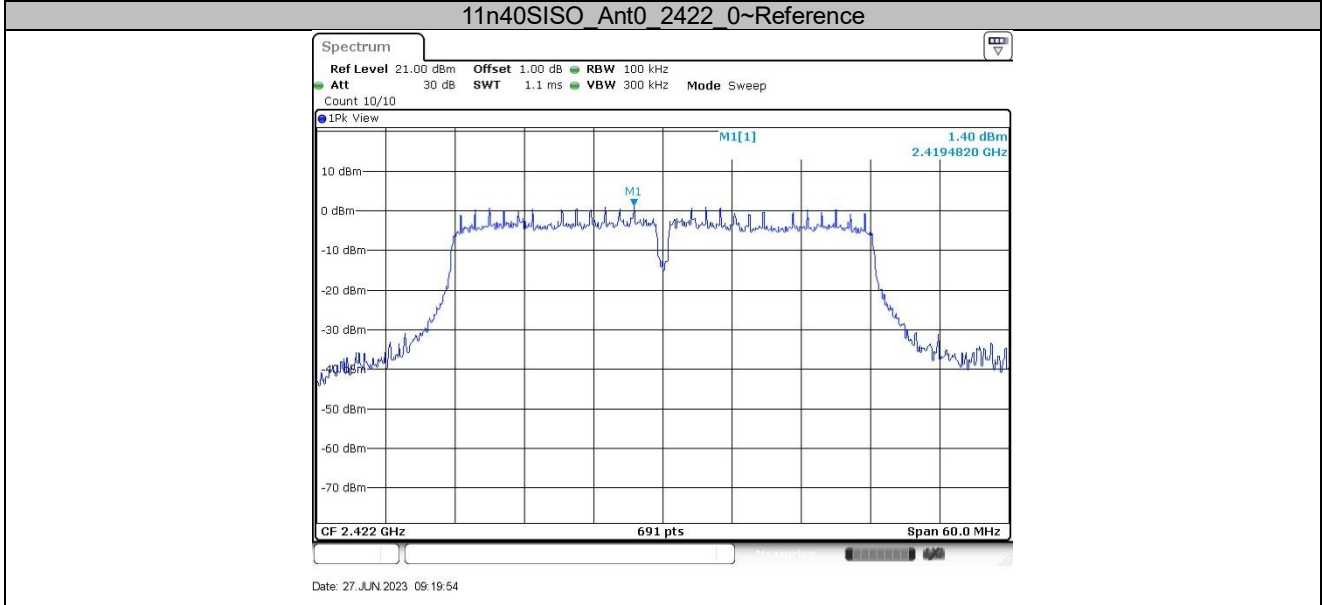
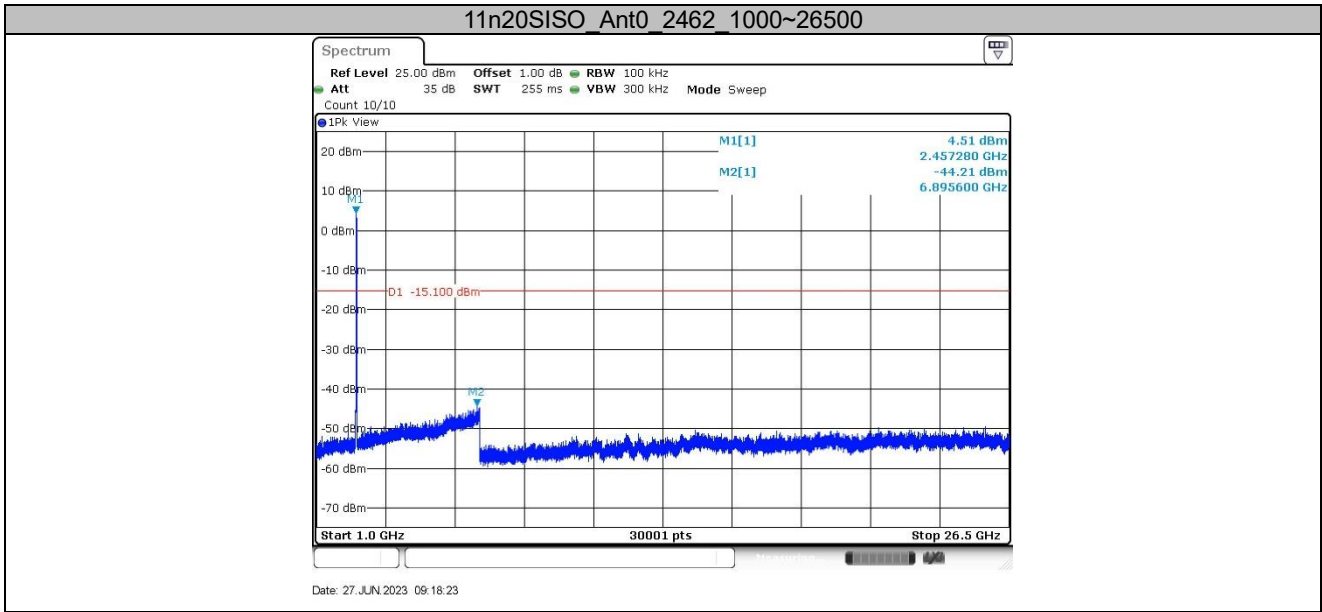
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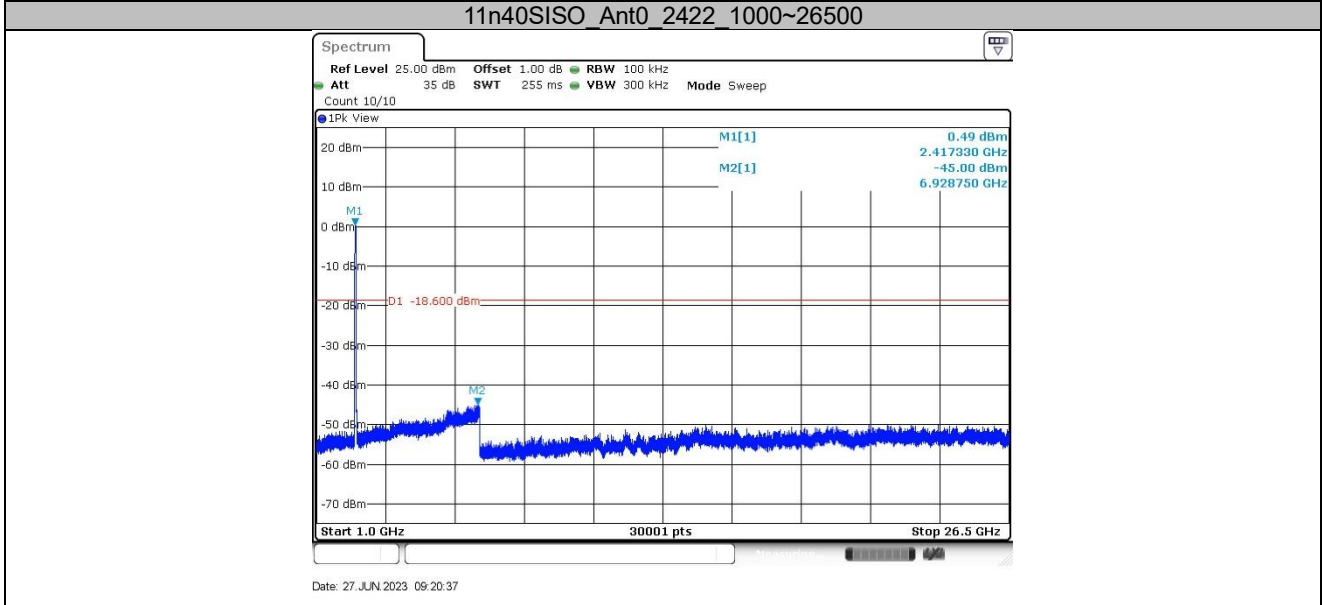
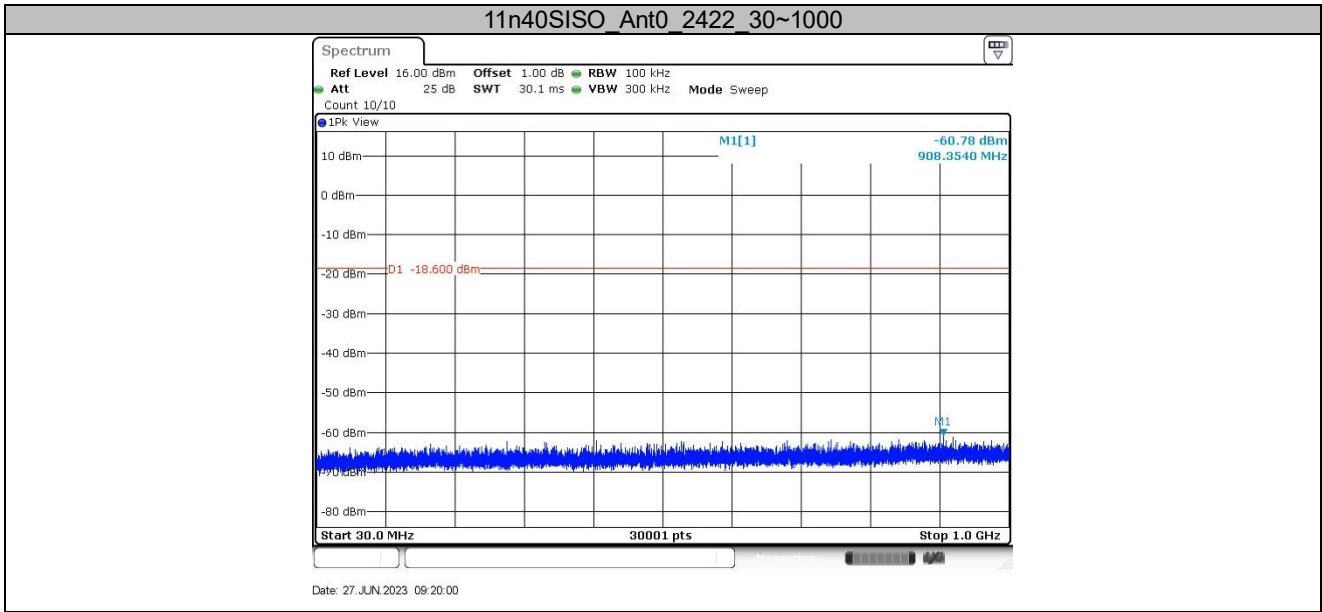
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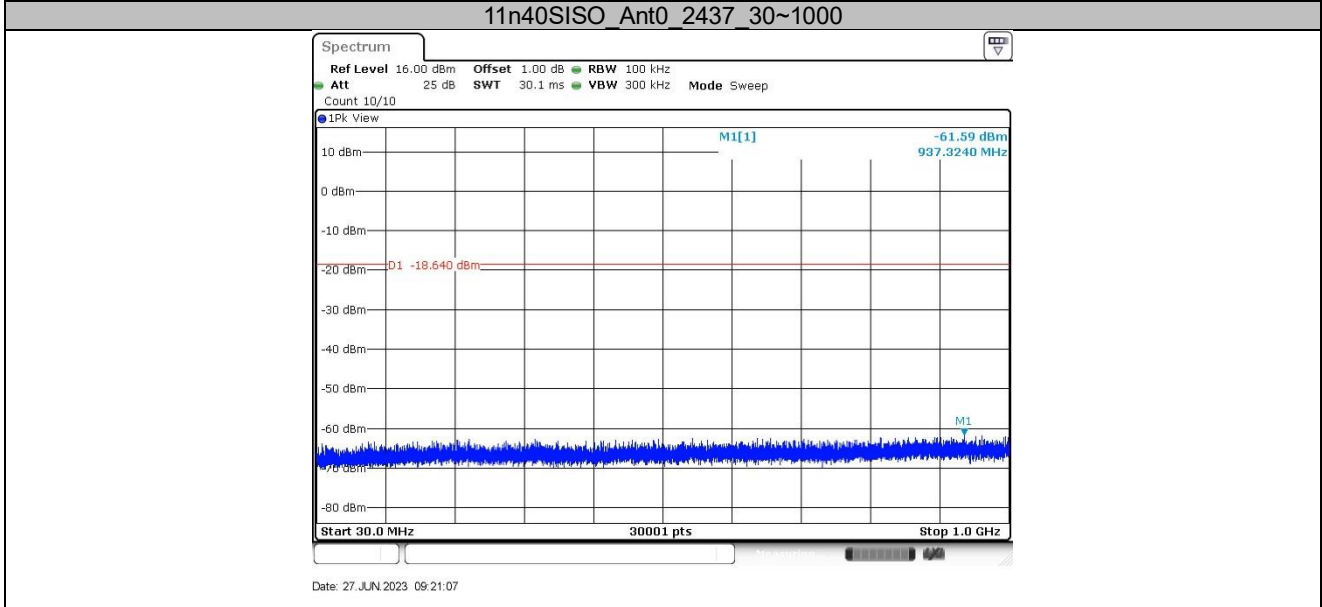
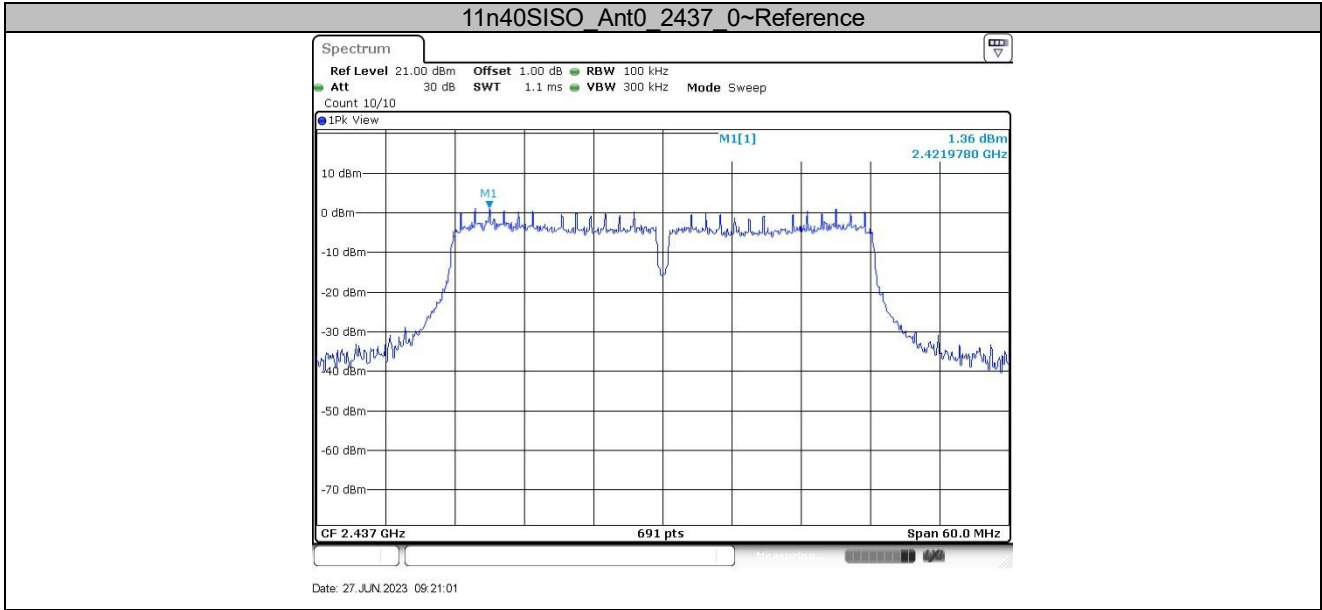
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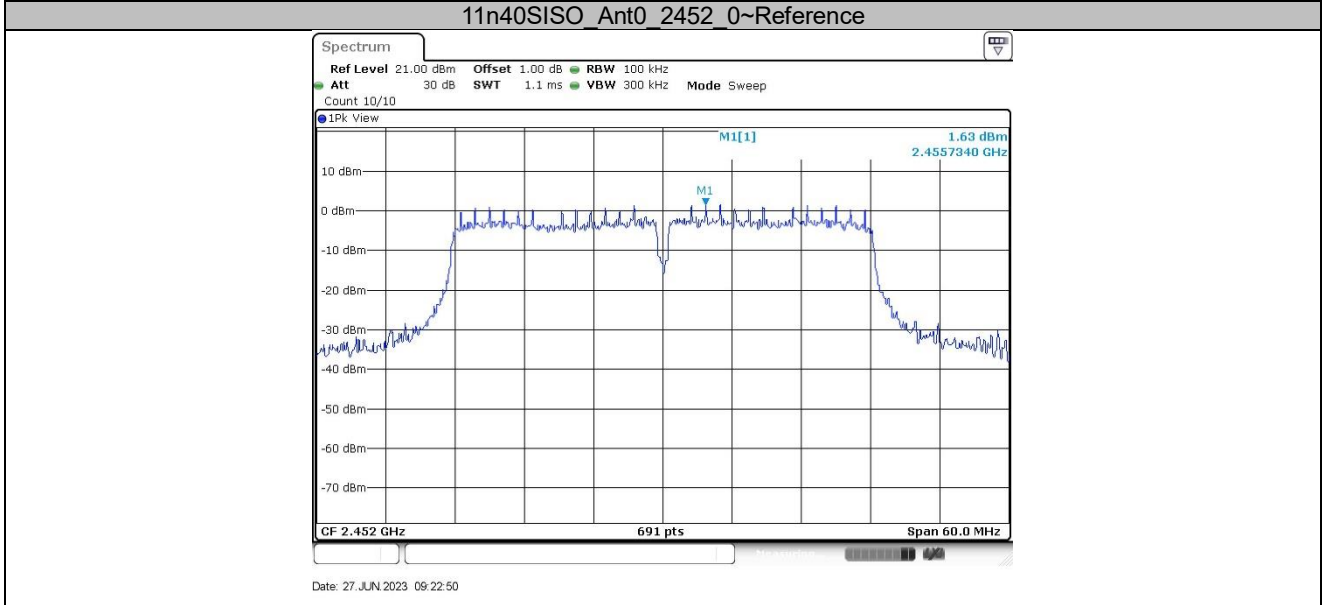
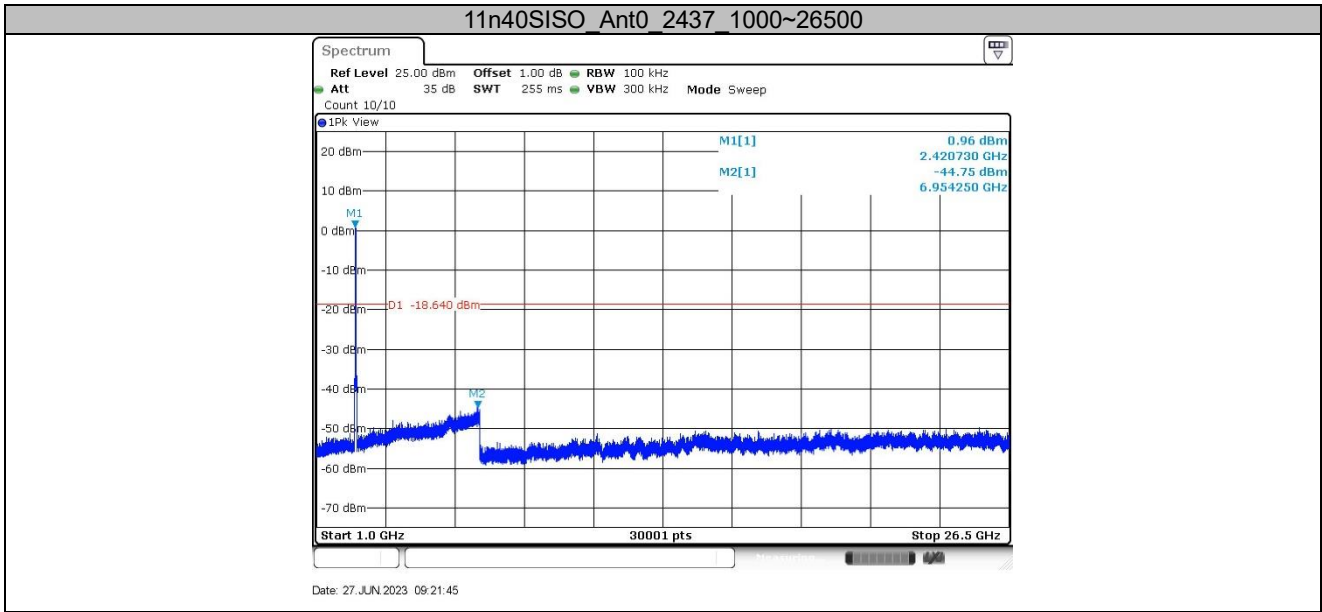
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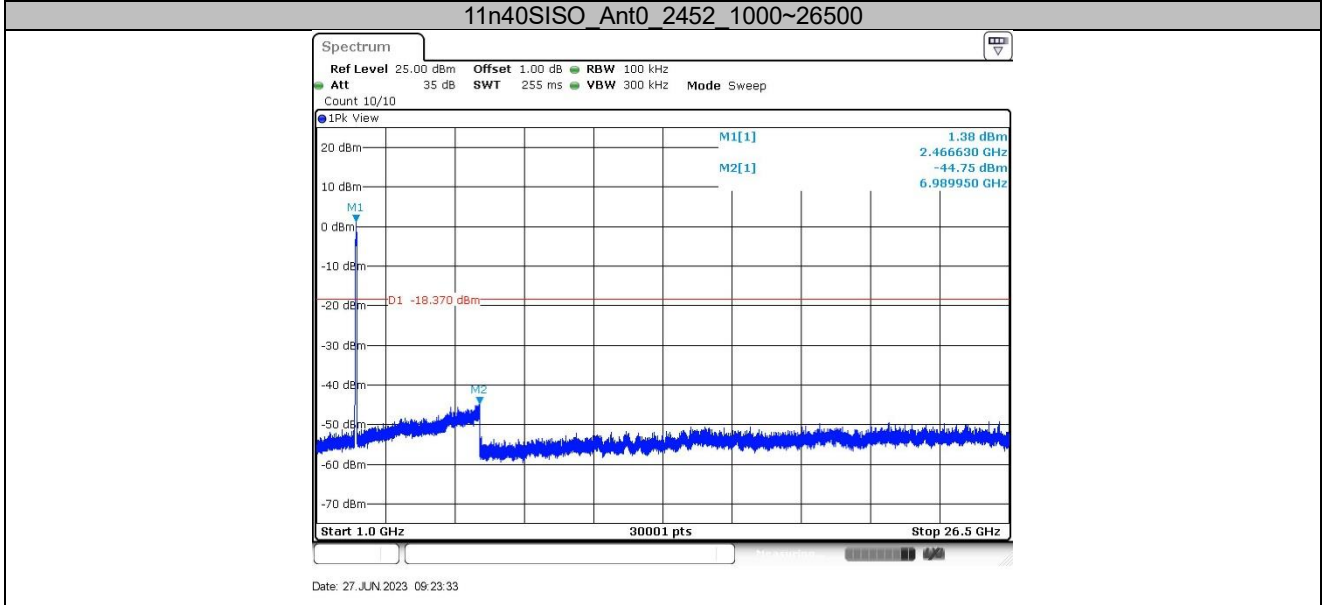
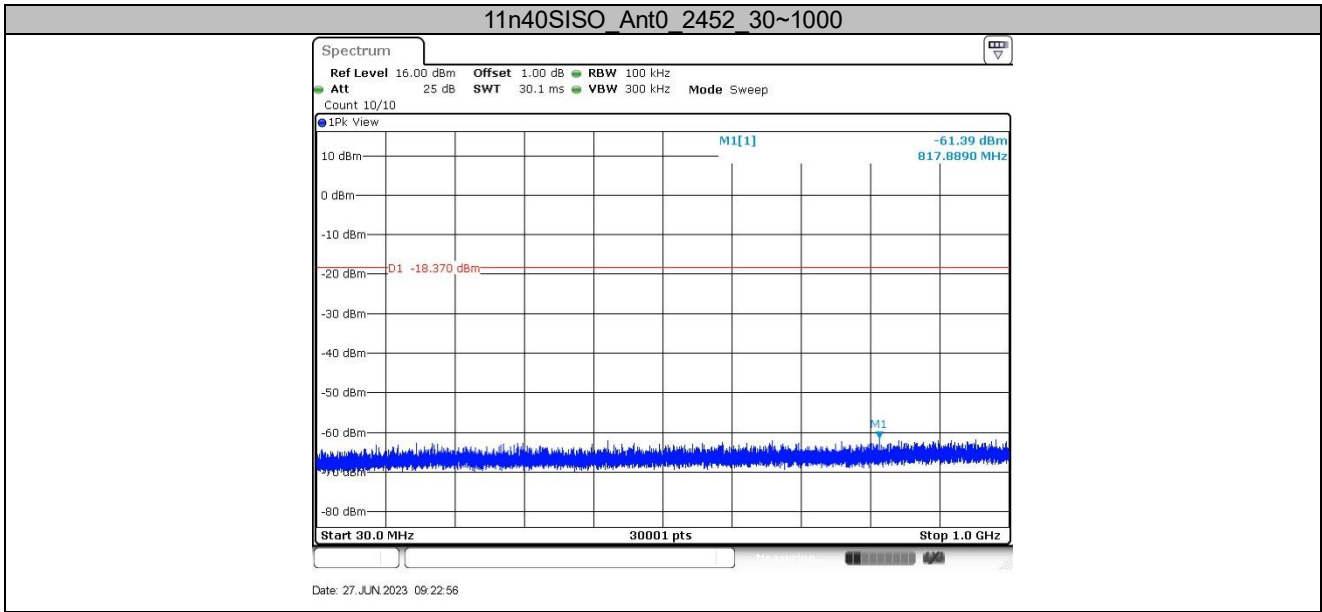
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## Duty Cycle Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11b	Ant0	2412	12.42	12.51	99.28
11g	Ant0	2412	2.07	2.20	94.09
11n20SISO	Ant0	2412	1.92	2.05	93.66
11n40SISO	Ant0	2422	0.95	1.09	87.16

Note:

Radiated Emission Average VBW = 1 / T

TestMode	T[ms]	Period[ms]	Duty Cycle[%]	1/T[kHz]	VBW Setting
11b	12.42	12.51	99.28	0.08051	10Hz*
11g	2.07	2.20	94.09	0.48309	0.5KHz
11n20SISO	1.92	2.05	93.66	0.52083	0.55KHz
11n40SISO	0.95	1.09	87.16	1.05263	1.1KHz

\*Duty cycle > 98% VBW setting=10Hz



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**Test Graphs**



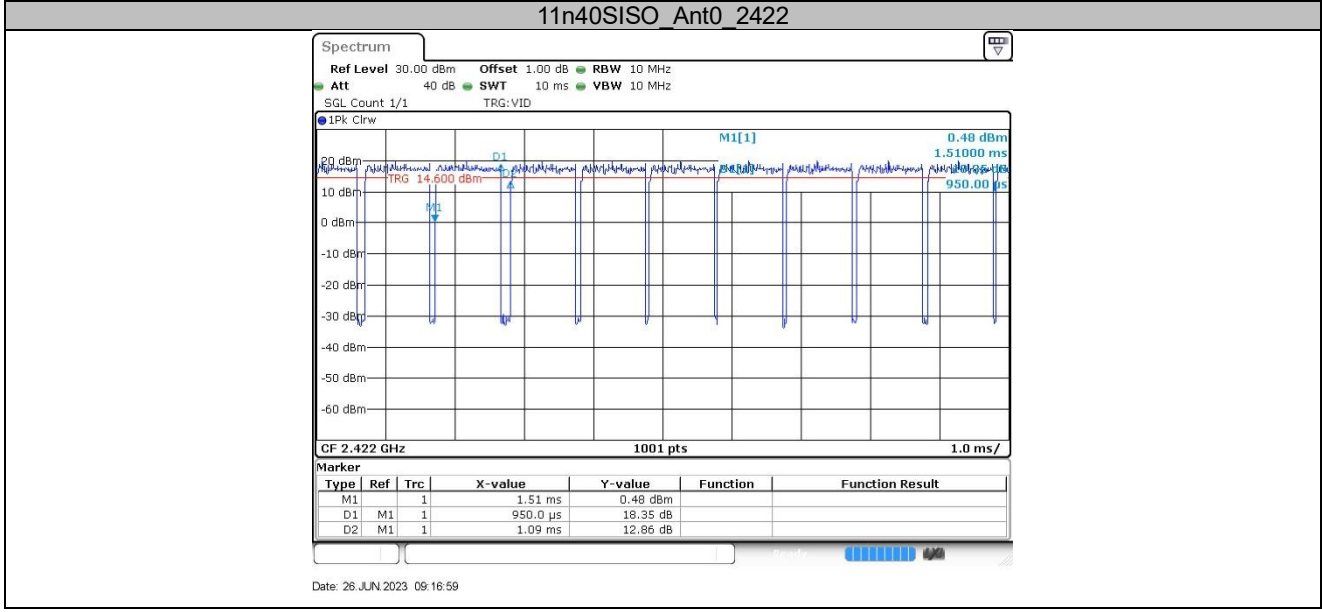
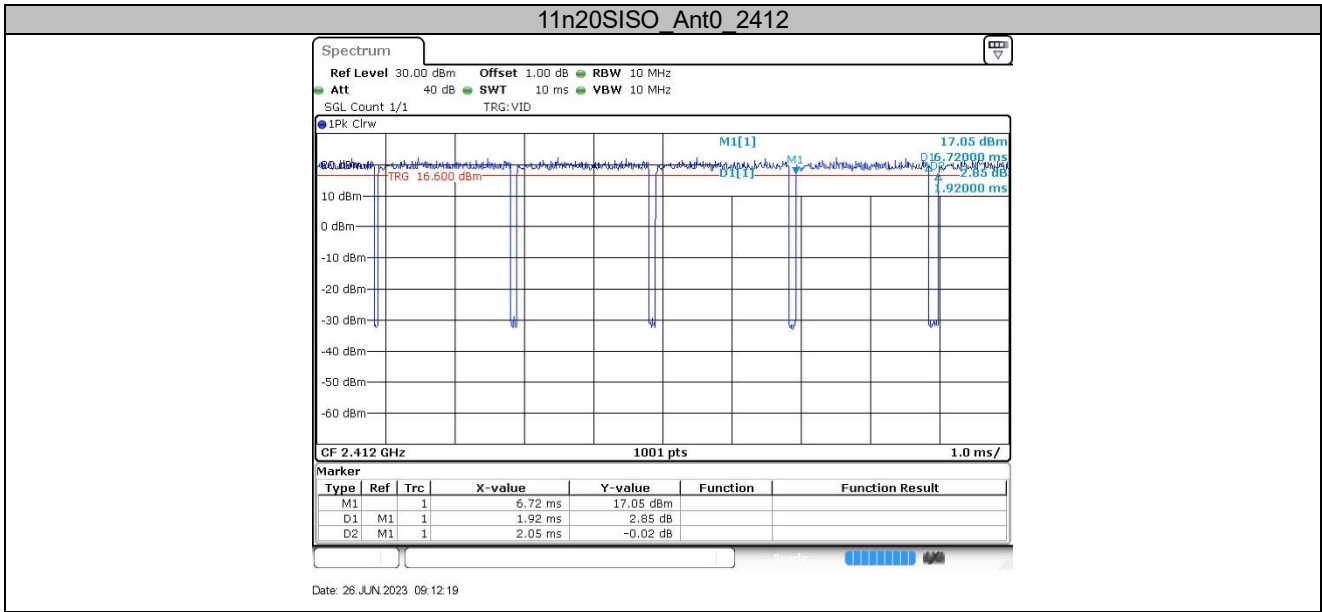
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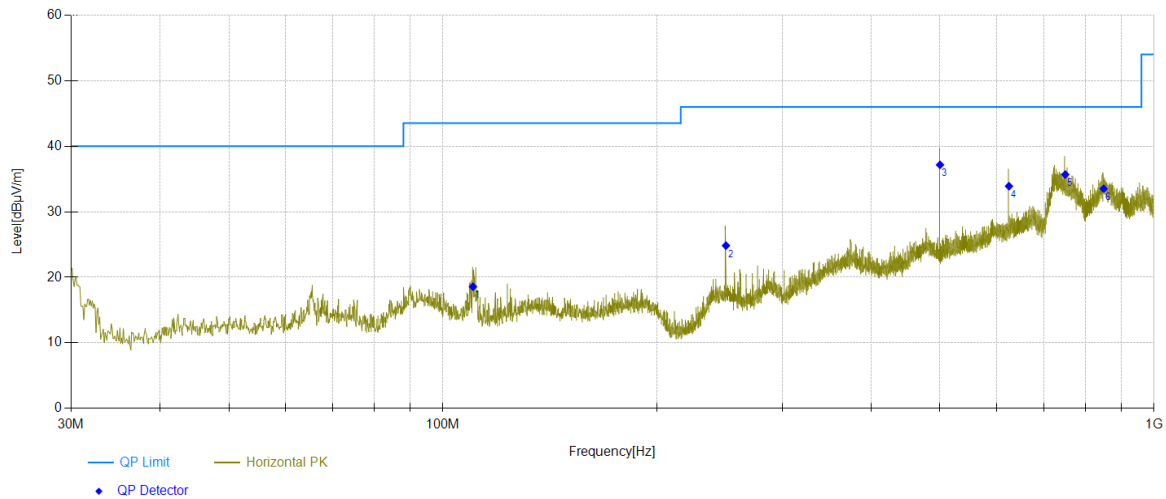
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## Radiated Spurious Emissions

### Radiated emission below 1GHz

#### Worst case Mode: 802.11g\_Channel 11



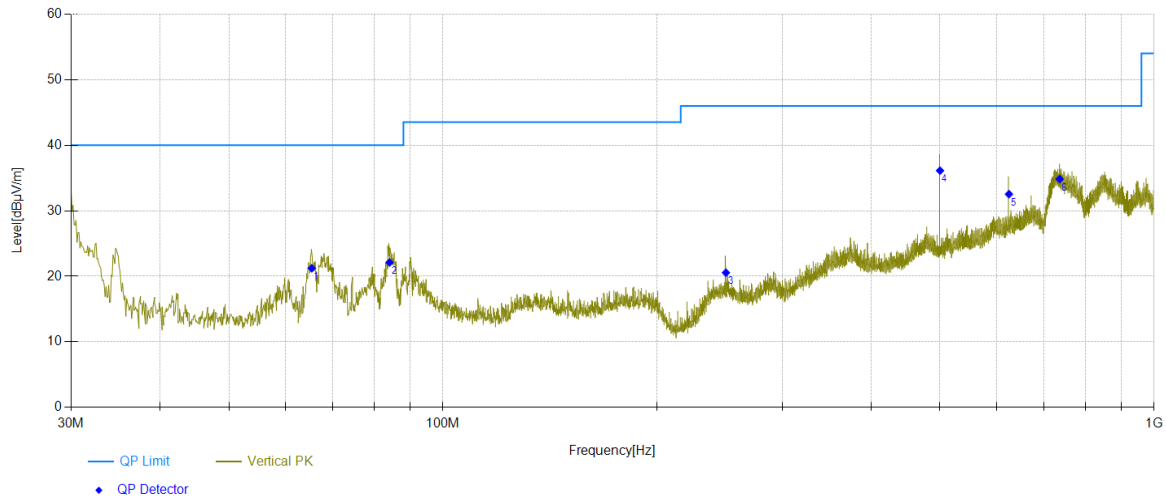
Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	110.227	31.59	-24.42	11.40	18.57	43.50	24.93	107	292	Horizontal
2	250.018	33.87	-23.26	14.23	24.84	46.00	21.16	309	212	Horizontal
3	500.012	39.88	-21.94	19.22	37.16	46.00	8.84	247	313	Horizontal
4	625.0575	33.08	-21.07	21.89	33.90	46.00	12.10	179	238	Horizontal
5	750.006	27.81	-20.56	28.42	35.67	46.00	10.33	158	108	Horizontal
6	849.3439	26.64	-20.89	27.76	33.51	46.00	12.49	136	1	Horizontal


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Data List										
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	65.4085	34.28	-24.60	11.55	21.23	40.00	18.77	284	273	Vertical
2	84.1314	35.11	-24.49	11.49	22.11	40.00	17.89	338	298	Vertical
3	250.018	29.59	-23.26	14.23	20.56	46.00	25.44	279	129	Vertical
4	500.012	38.84	-21.94	19.22	36.12	46.00	9.88	174	121	Vertical
5	625.0575	31.71	-21.07	21.89	32.53	46.00	13.47	181	41	Vertical
6	736.5217	26.86	-20.79	28.76	34.83	46.00	11.17	108	338	Vertical

**Remark:**

- The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier gain. The basic equation with a sample calculation is as follows:  
 Value = Reading(dBµV) + AF(dB/m) + Factor(dB):  
 AF = Antenna Factor(dB/m)  
 Factor = Cable Factor(dB) - Preamplifier gain(dB)  
 Margin = Limit(dBµV/m) – Value(dBµV/m)
- All channels have been tested, but only the worst case data displayed in this report.



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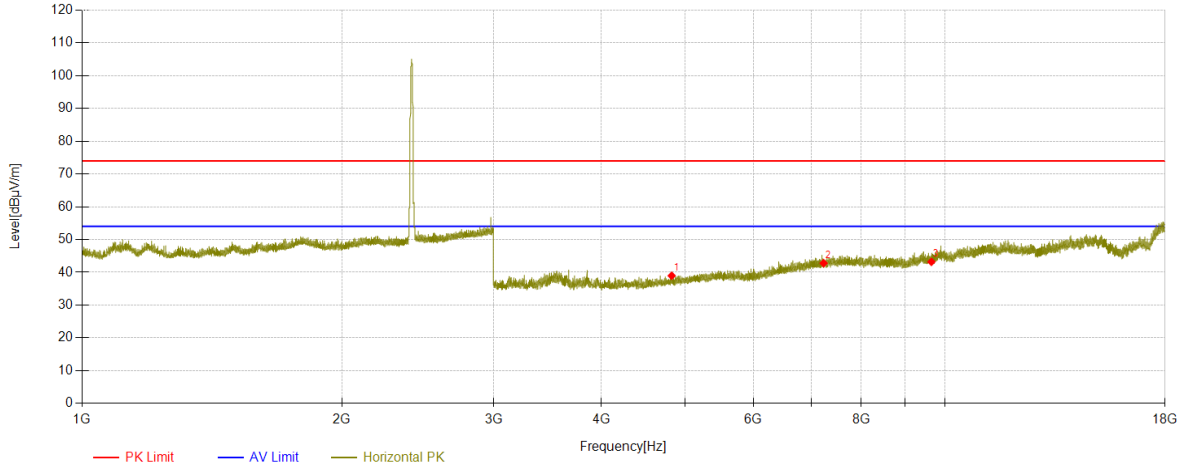
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**Transmitter emission Above 1GHz**

**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	4824	55.07	30.98	-47.08	38.97	74.00	35.03	129	297	Horizontal
2	7236	52.12	36.08	-45.41	42.79	74.00	31.21	155	185	Horizontal
3	9648	47.40	37.59	-41.80	43.19	74.00	30.81	209	328	Horizontal



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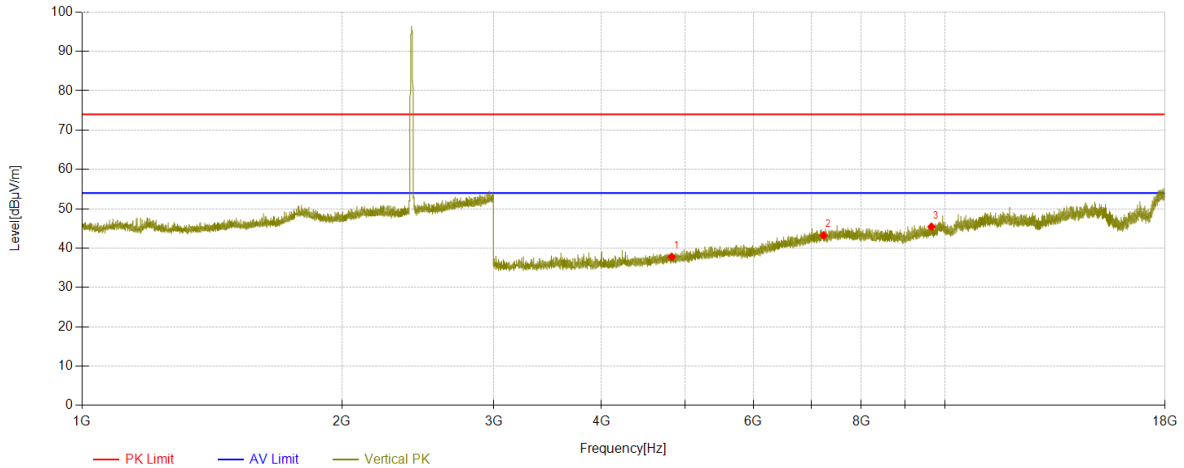
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**802.11b\_Channel 01**



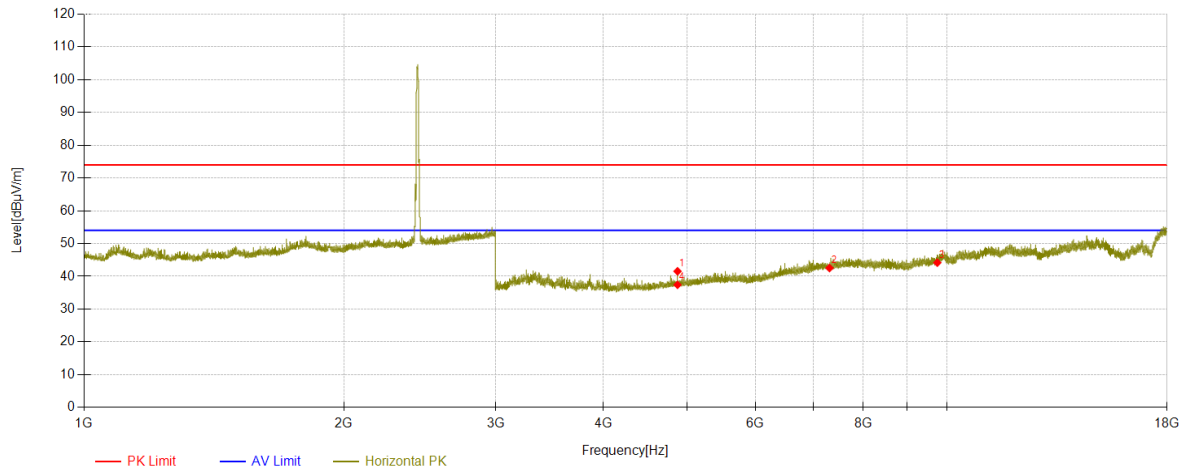
Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4824	53.87	30.98	-47.08	37.77	74.00	36.23	125	249	Vertical
2	7236	52.57	36.08	-45.41	43.24	74.00	30.76	251	357	Vertical
3	9648	49.65	37.59	-41.80	45.44	74.00	28.56	168	86	Vertical



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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	57.46	31.10	-47.02	41.54	74.00	32.46	108	88	Horizontal
2	7311	51.82	36.17	-45.45	42.54	74.00	31.46	141	145	Horizontal
3	9748	47.76	37.82	-41.41	44.17	74.00	29.83	281	134	Horizontal
4	4873.5	53.32	31.10	-47.02	37.40	54.00	16.60	269	92	Horizontal

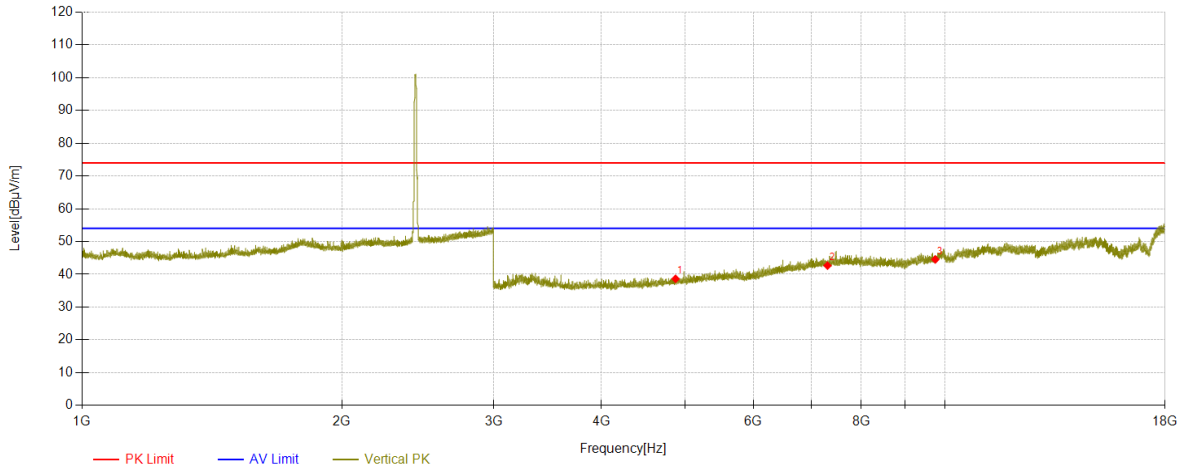




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**802.11b\_Channel 06**



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	54.55	31.10	-47.02	38.63	74.00	35.37	166	359	Vertical
2	7311	51.94	36.17	-45.45	42.66	74.00	31.34	114	165	Vertical
3	9748	48.13	37.82	-41.41	44.54	74.00	29.46	249	223	Vertical



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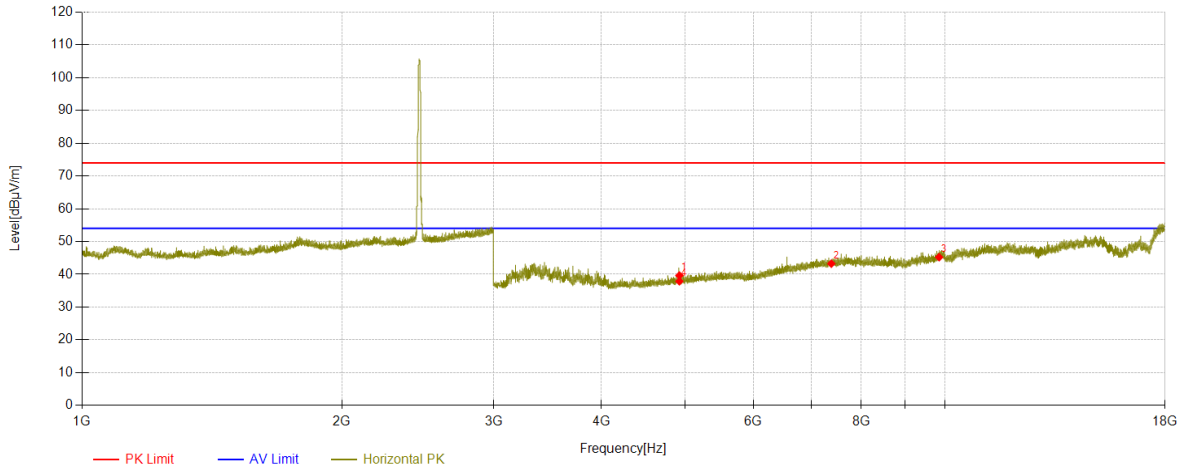
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**802.11b\_Channel 11**



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	4924	55.46	31.22	-47.04	39.64	74.00	34.36	173	81	Horizontal
2	7386	52.12	36.26	-45.13	43.25	74.00	30.75	159	135	Horizontal
3	9848	48.12	38.05	-40.95	45.22	74.00	28.78	288	276	Horizontal
4	4923.75	53.69	31.22	-47.04	37.87	54.00	16.13	135	76	Horizontal



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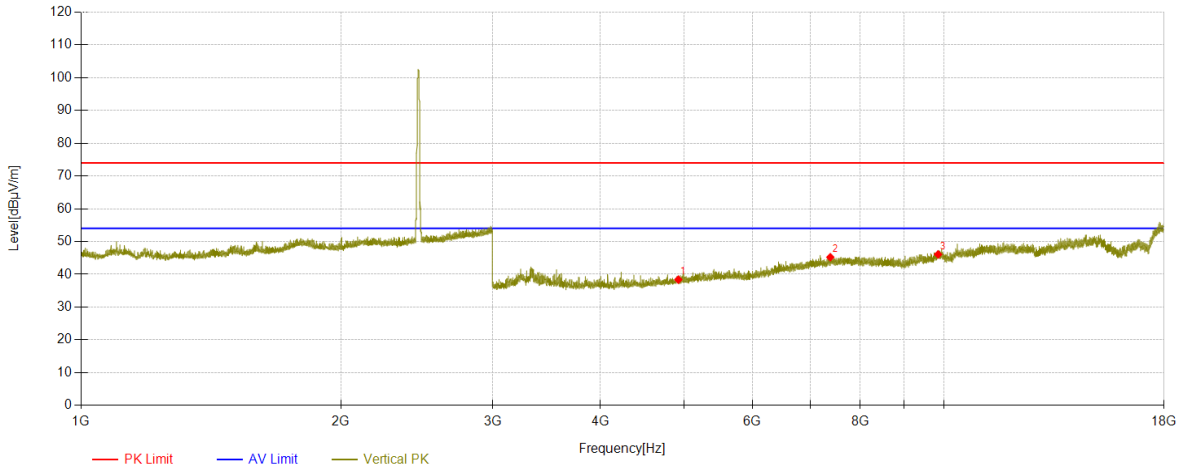
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**802.11b\_Channel 11**



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	4924	54.21	31.22	-47.04	38.39	74.00	35.61	108	6	Vertical
2	7386	54.09	36.26	-45.13	45.22	74.00	28.78	179	0	Vertical
3	9848	48.98	38.05	-40.95	46.08	74.00	27.92	248	84	Vertical

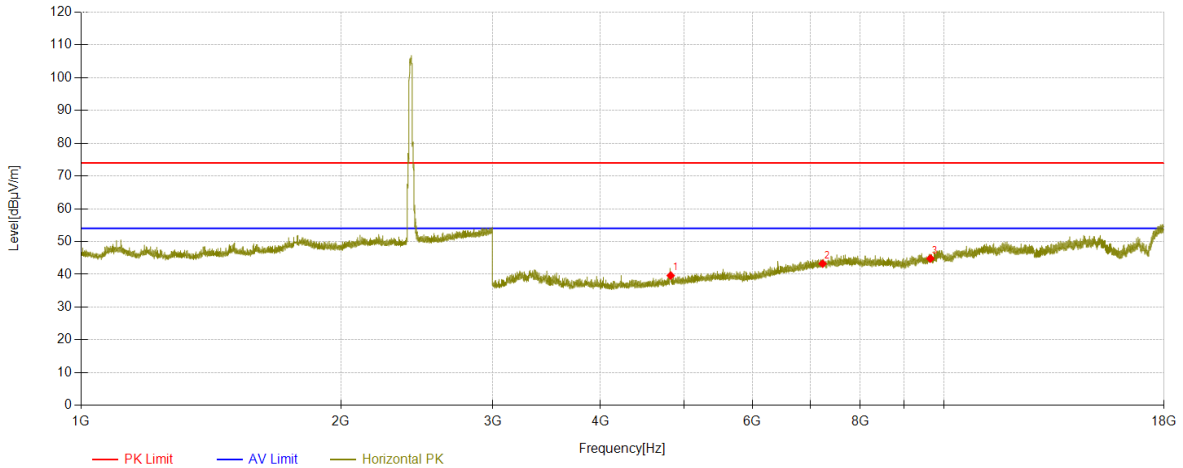


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**802.11g\_Channel 01**



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	55.73	30.98	-47.08	39.63	74.00	34.37	164	255	Horizontal
2	7236	52.59	36.08	-45.41	43.26	74.00	30.74	341	24	Horizontal
3	9648	49.02	37.59	-41.80	44.81	74.00	29.19	178	147	Horizontal



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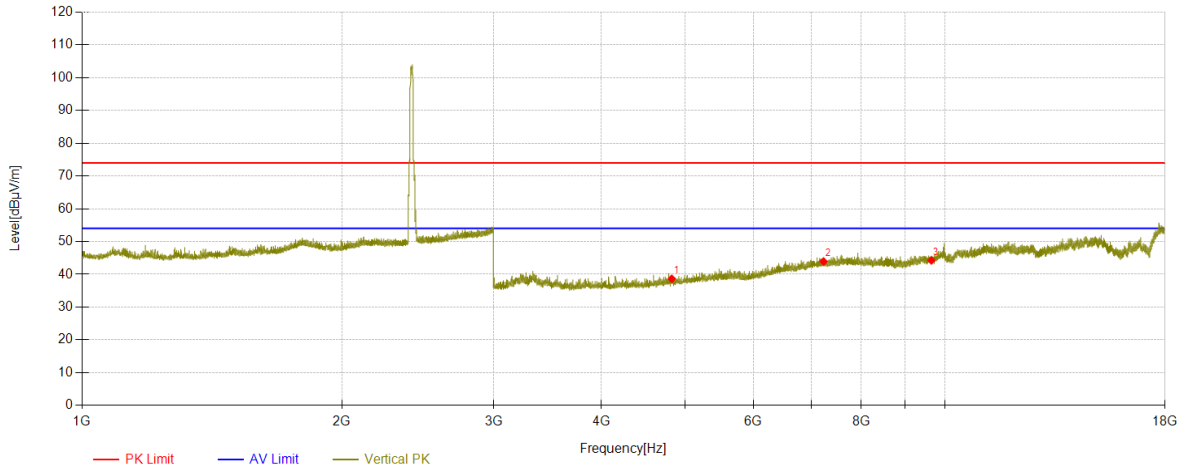
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**802.11g\_Channel 01**



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	54.74	30.98	-47.08	38.64	74.00	35.36	106	34	Vertical	
2	7236	53.26	36.08	-45.41	43.93	74.00	30.07	116	221	Vertical	
3	9648	48.44	37.59	-41.80	44.23	74.00	29.77	258	4	Vertical	



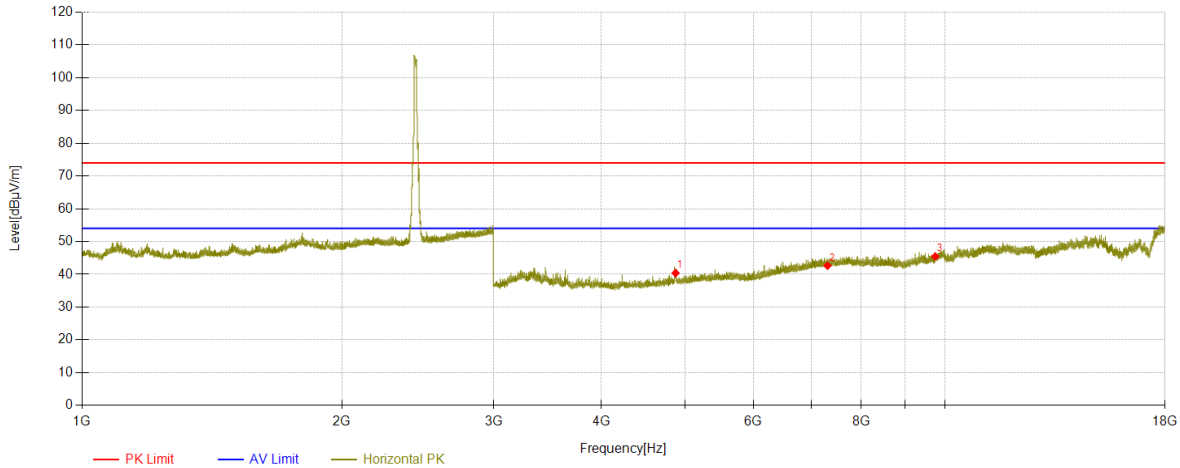
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**802.11g\_Channel 06**



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	56.31	31.10	-47.02	40.39	74.00	33.61	142	85	Horizontal
2	7311	51.91	36.17	-45.45	42.63	74.00	31.37	198	210	Horizontal
3	9748	49.05	37.82	-41.41	45.46	74.00	28.54	393	221	Horizontal



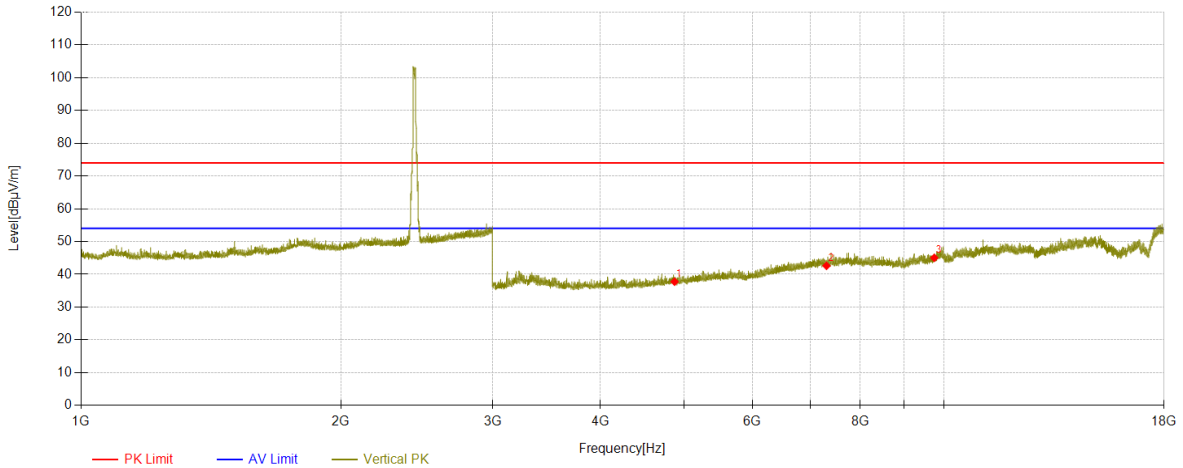
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**802.11g\_Channel 06**



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	53.68	31.10	-47.02	37.76	74.00	36.24	106	360	Vertical
2	7311	51.87	36.17	-45.45	42.59	74.00	31.41	233	144	Vertical
3	9748	48.62	37.82	-41.41	45.03	74.00	28.97	301	165	Vertical

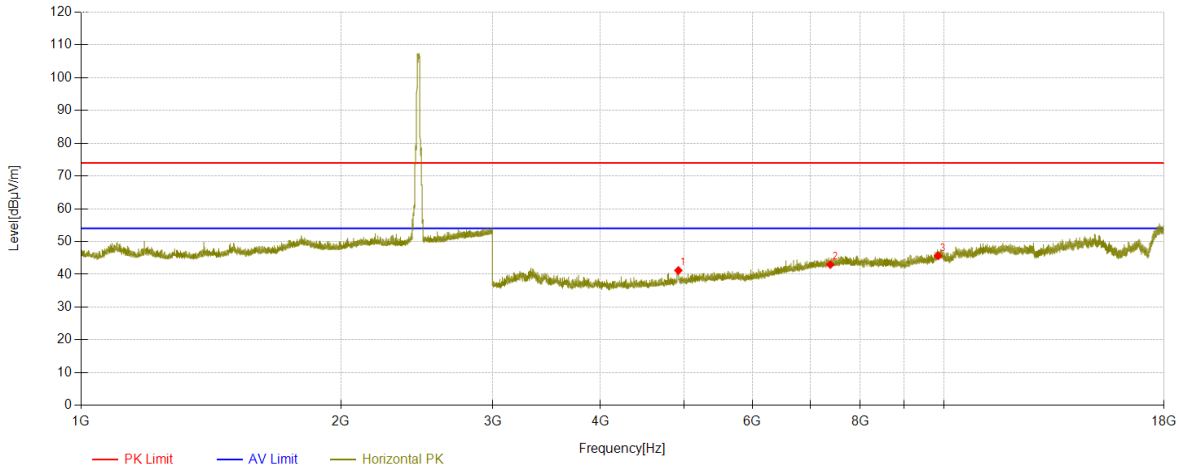


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**802.11g\_Channel 11**



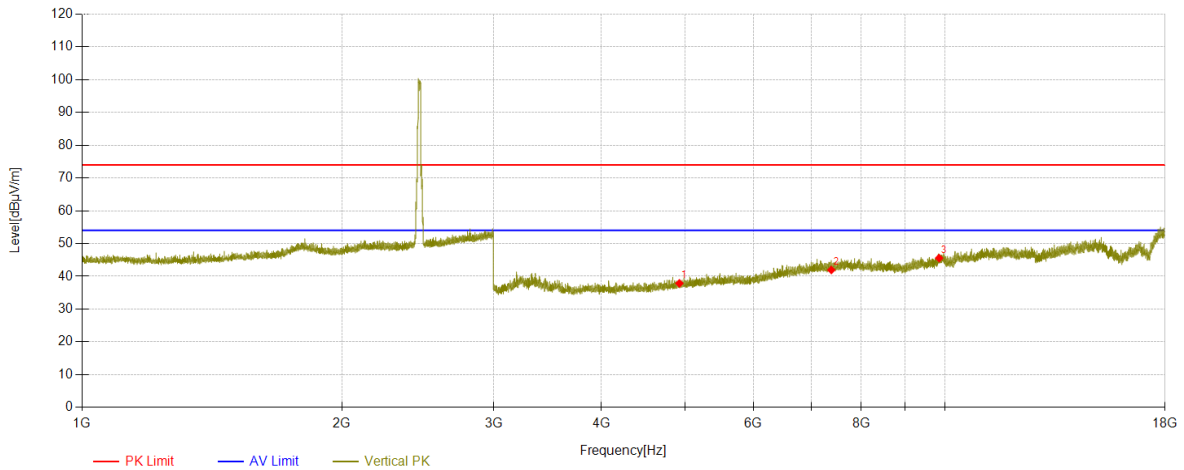
Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4924	57.02	31.22	-47.04	41.20	74.00	32.80	396	92	Horizontal
2	7386	51.83	36.26	-45.13	42.96	74.00	31.04	304	133	Horizontal
3	9848	48.53	38.05	-40.95	45.63	74.00	28.37	348	275	Horizontal



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**802.11g\_Channel 11**


Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4924	53.68	31.22	-47.04	37.86	74.00	36.14	253	360	Vertical
2	7386	50.81	36.26	-45.13	41.94	74.00	32.06	338	107	Vertical
3	9848	48.47	38.05	-40.95	45.57	74.00	28.43	121	340	Vertical

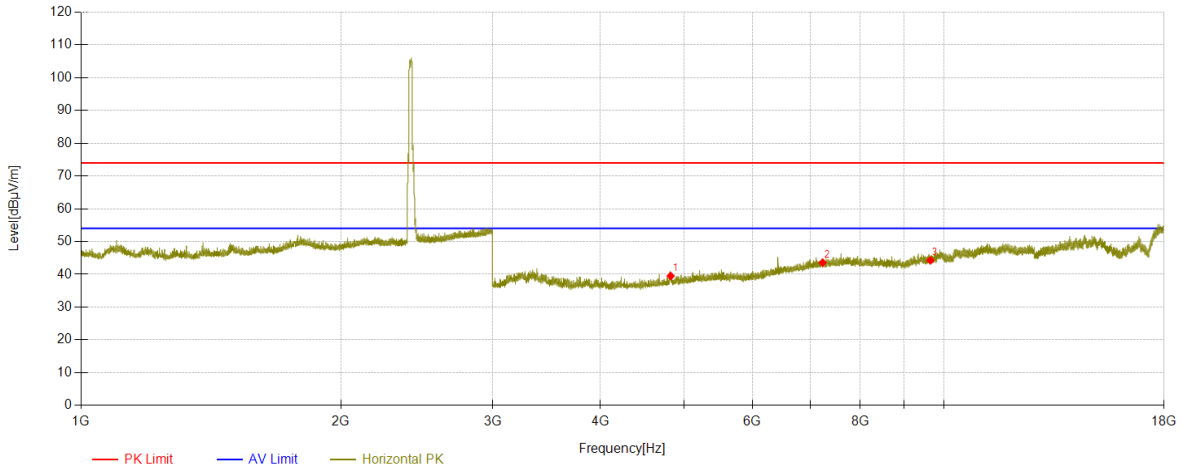




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**Shenzhen Branch**

Report No.: ZEWM2306000826RG03  
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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	55.60	30.98	-47.08	39.50	74.00	34.50	284	274	Horizontal
2	7236	52.91	36.08	-45.41	43.58	74.00	30.42	304	354	Horizontal
3	9648	48.45	37.59	-41.80	44.24	74.00	29.76	268	134	Horizontal



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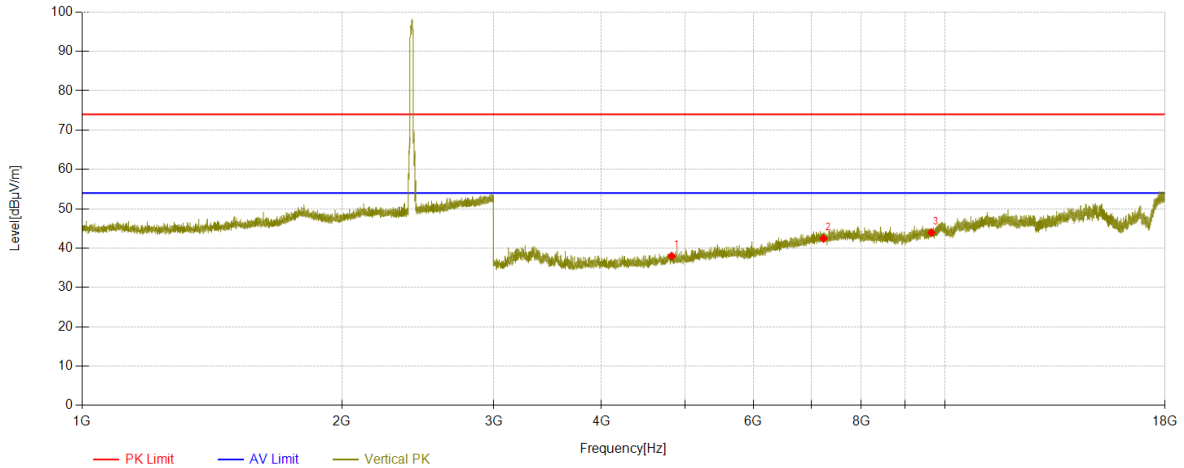
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**802.11n20\_Channel 01**



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	54.09	30.98	-47.08	37.99	74.00	36.01	217	356	Vertical
2	7236	51.76	36.08	-45.41	42.43	74.00	31.57	151	104	Vertical
3	9648	48.16	37.59	-41.80	43.95	74.00	30.05	198	204	Vertical



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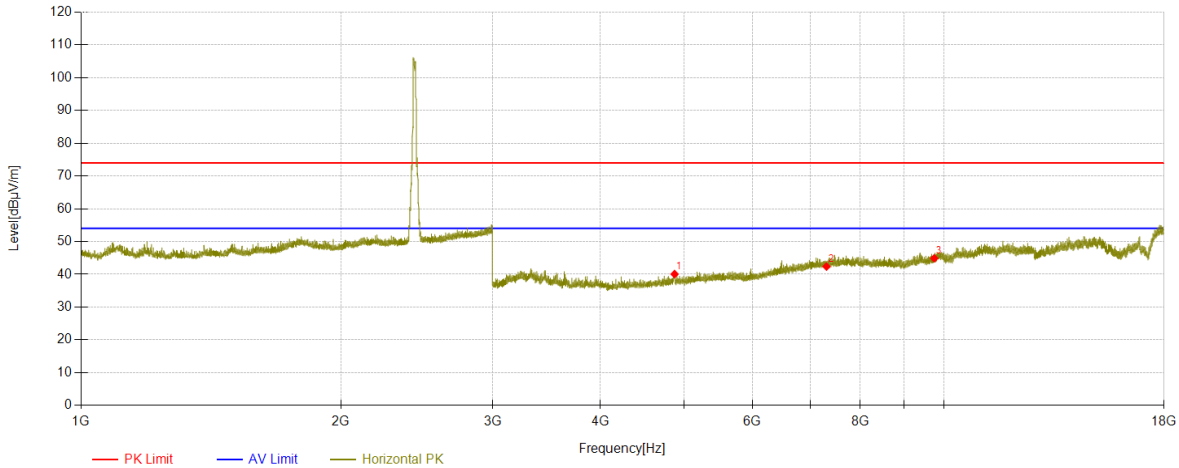
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**802.11n20\_Channel 06**



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	55.99	31.10	-47.02	40.07	74.00	33.93	193	310	Horizontal
2	7311	51.65	36.17	-45.45	42.37	74.00	31.63	346	94	Horizontal
3	9748	48.48	37.82	-41.41	44.89	74.00	29.11	156	24	Horizontal



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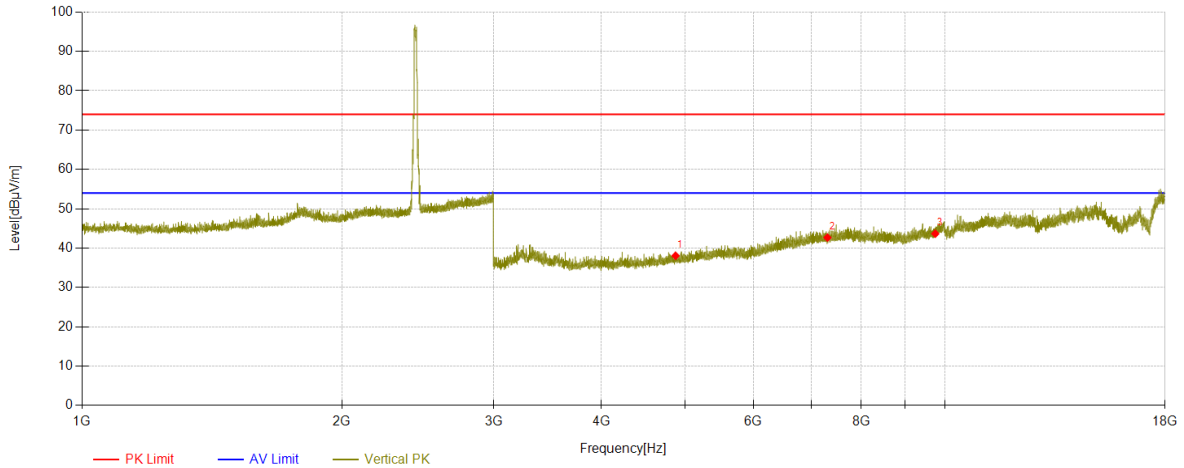
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**802.11n20\_Channel 06**



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	53.97	31.10	-47.02	38.05	74.00	35.95	226	272	Vertical
2	7311	51.95	36.17	-45.45	42.67	74.00	31.33	191	358	Vertical
3	9748	47.25	37.82	-41.41	43.66	74.00	30.34	156	360	Vertical



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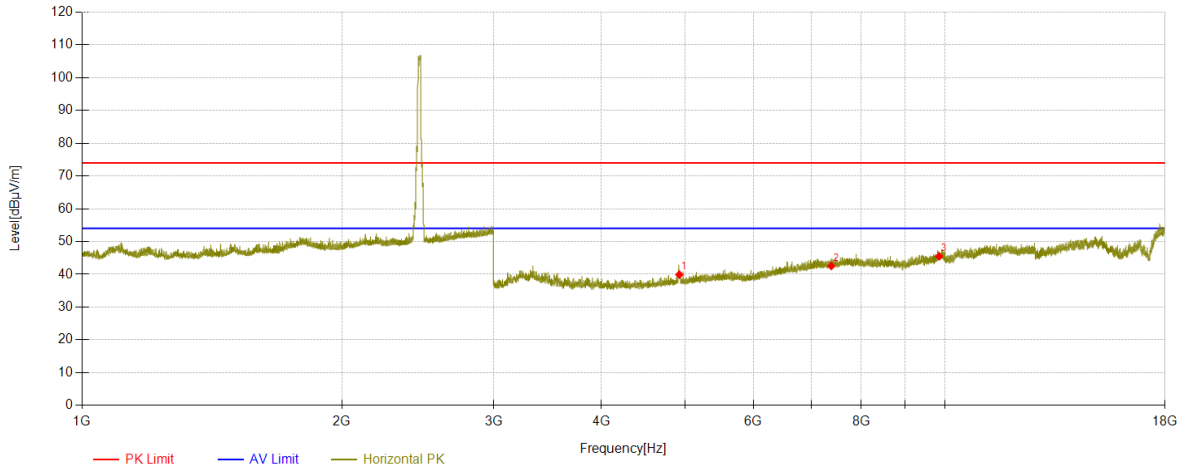




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Report No.: ZEWM2306000826RG03  
 Page: 98 of 137

**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	55.73	31.22	-47.04	39.91	74.00	34.09	318	91	Horizontal
2	7386	51.42	36.26	-45.13	42.55	74.00	31.45	373	360	Horizontal
3	9848	48.39	38.05	-40.95	45.49	74.00	28.51	216	216	Horizontal



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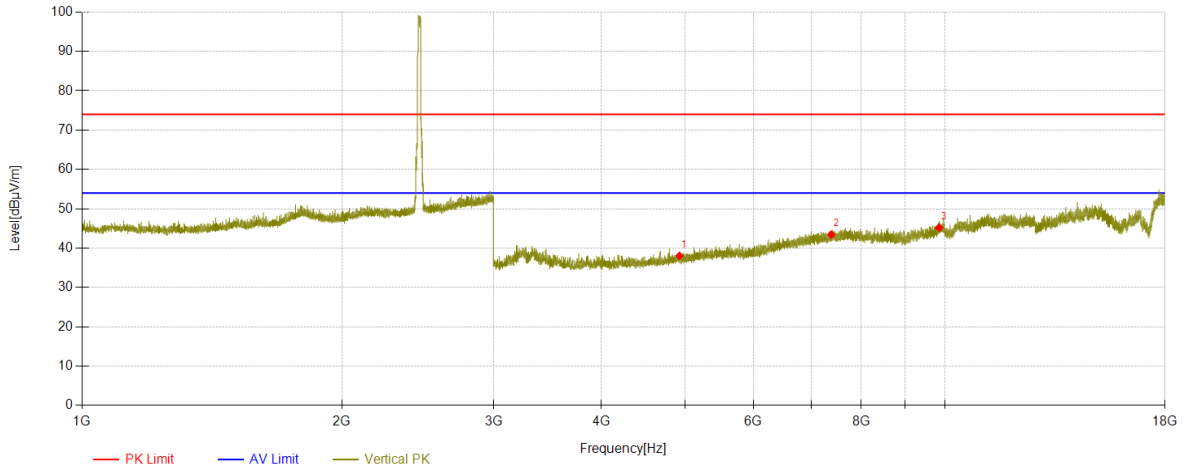
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**802.11n20\_Channel 11**



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	53.84	31.22	-47.04	38.02	74.00	35.98	127	174	Vertical
2	7386	52.30	36.26	-45.13	43.43	74.00	30.57	148	34	Vertical
3	9848	48.11	38.05	-40.95	45.21	74.00	28.79	386	360	Vertical



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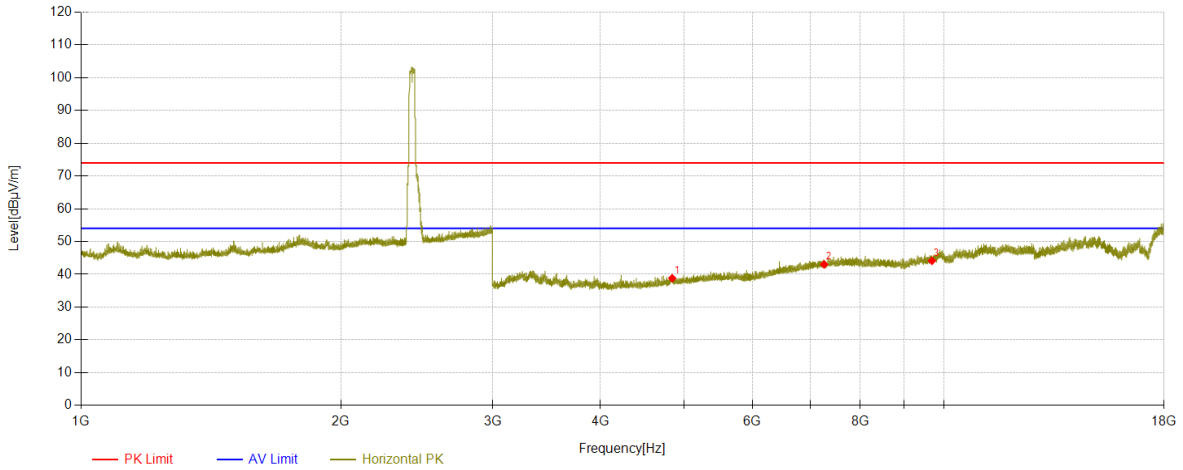
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**802.11n40\_Channel 03**



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	4844	54.84	31.03	-47.06	38.81	74.00	35.19	249	72	Horizontal
2	7266	52.35	36.12	-45.45	43.02	74.00	30.98	278	82	Horizontal
3	9688	48.06	37.68	-41.62	44.12	74.00	29.88	128	32	Horizontal



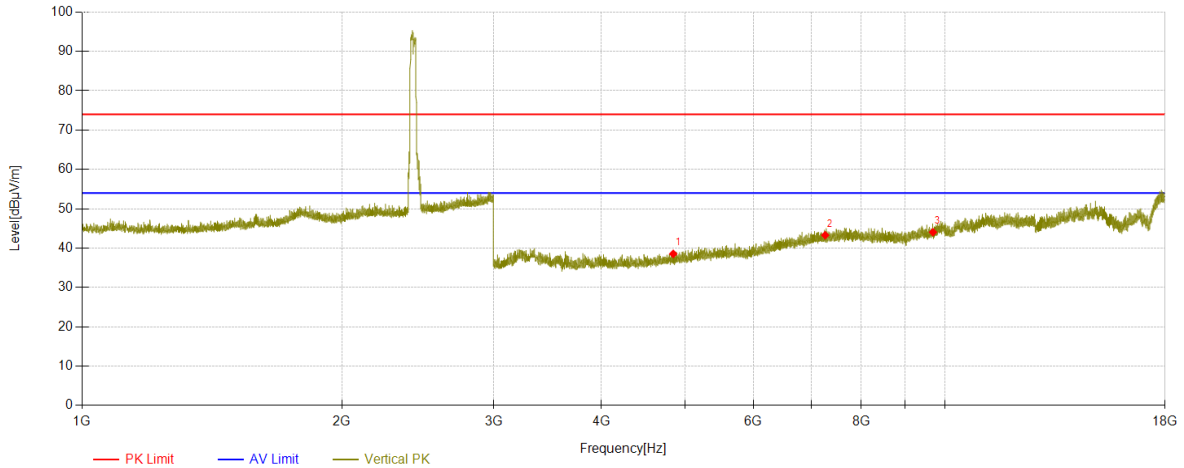
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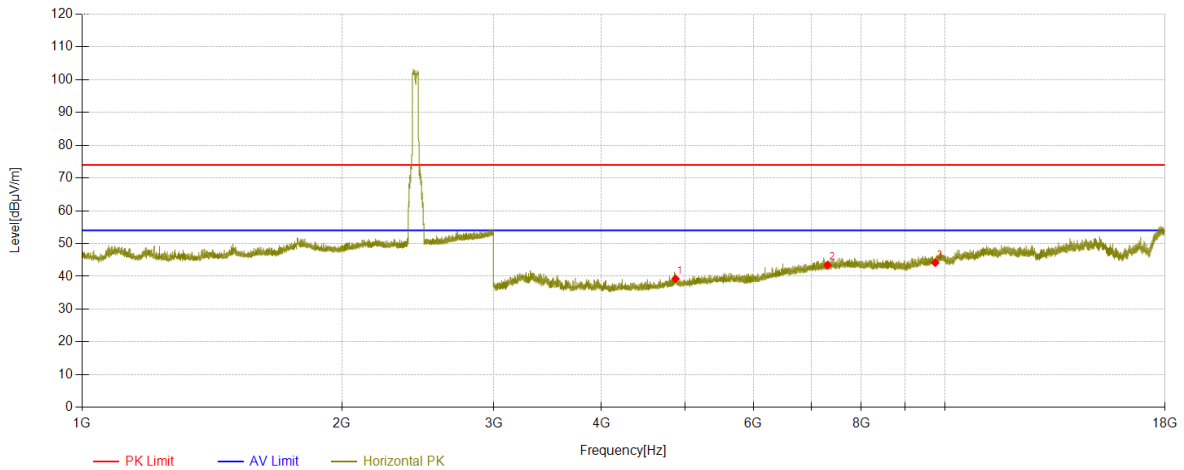
**802.11n40\_Channel 03**



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	4844	54.57	31.03	-47.06	38.54	74.00	35.46	165	264	Vertical
2	7266	52.60	36.12	-45.45	43.27	74.00	30.73	309	334	Vertical
3	9688	47.99	37.68	-41.62	44.05	74.00	29.95	133	254	Vertical



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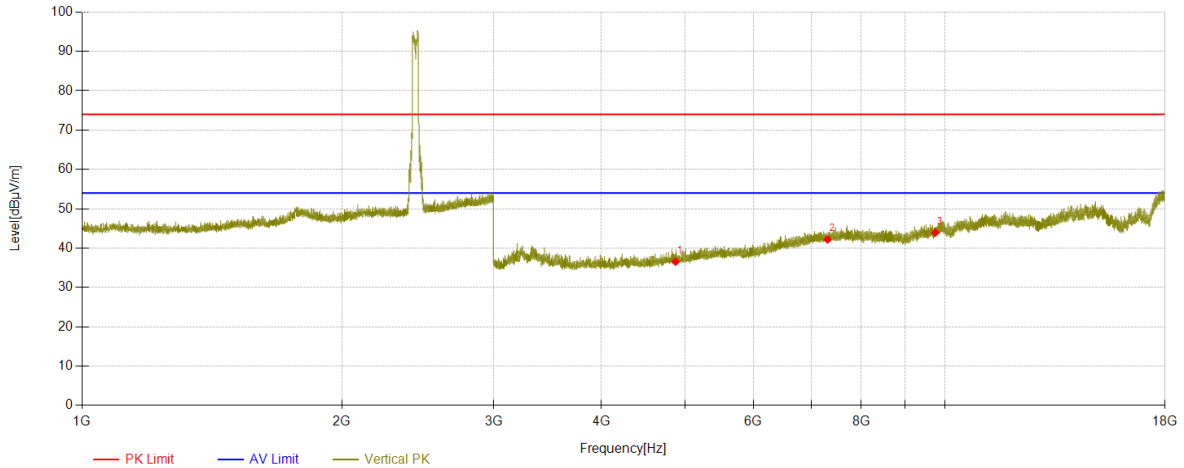

**802.11n40\_Channel 06**


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	55.18	31.10	-47.02	39.26	74.00	34.74	309	266	Horizontal
2	7311	52.73	36.17	-45.45	43.45	74.00	30.55	165	265	Horizontal
3	9748	47.74	37.82	-41.41	44.15	74.00	29.85	297	360	Horizontal





**802.11n40\_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	52.48	31.10	-47.02	36.56	74.00	37.44	306	360	Vertical
2	7311	51.46	36.17	-45.45	42.18	74.00	31.82	394	236	Vertical
3	9748	47.54	37.82	-41.41	43.95	74.00	30.05	263	175	Vertical



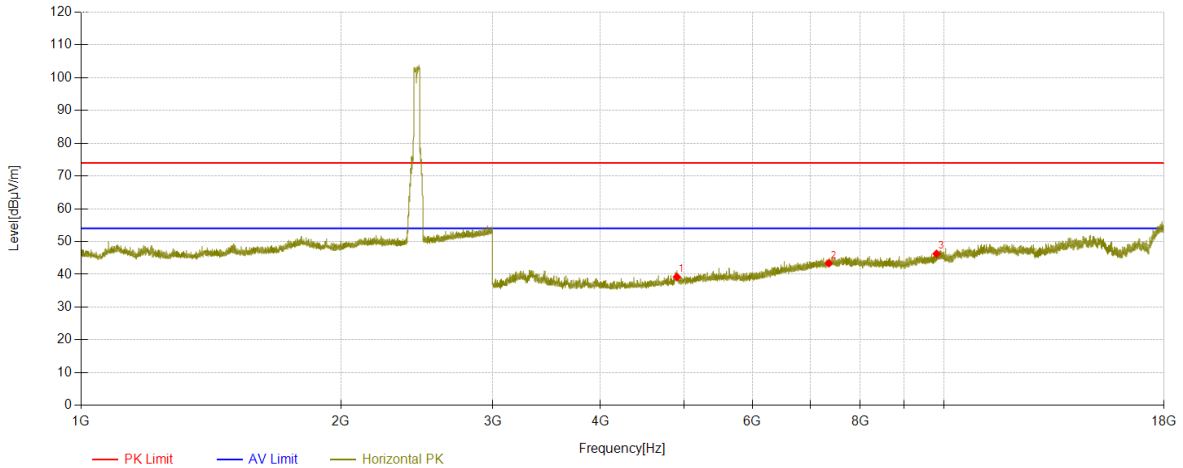
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**802.11n40\_Channel 09**



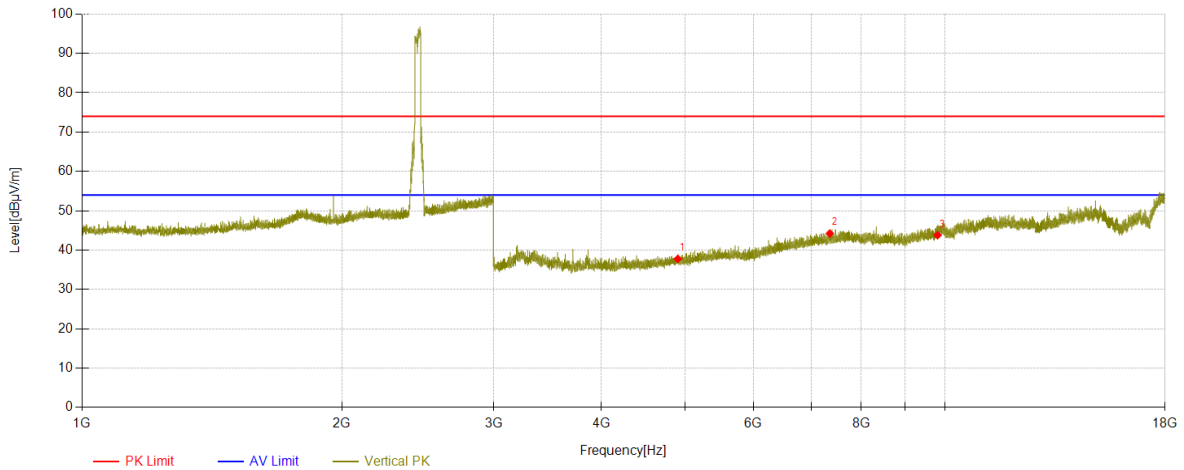
Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4904	55.02	31.17	-47.00	39.19	74.00	34.81	138	124	Horizontal
2	7356	52.41	36.23	-45.26	43.38	74.00	30.62	149	307	Horizontal
3	9808	49.49	37.96	-41.18	46.27	74.00	27.73	235	298	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	4904	53.60	31.17	-47.00	37.77	74.00	36.23	138	284	Vertical
2	7356	53.26	36.23	-45.26	44.23	74.00	29.77	271	111	Vertical
3	9808	47.01	37.96	-41.18	43.79	74.00	30.21	196	293	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:  

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

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

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

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

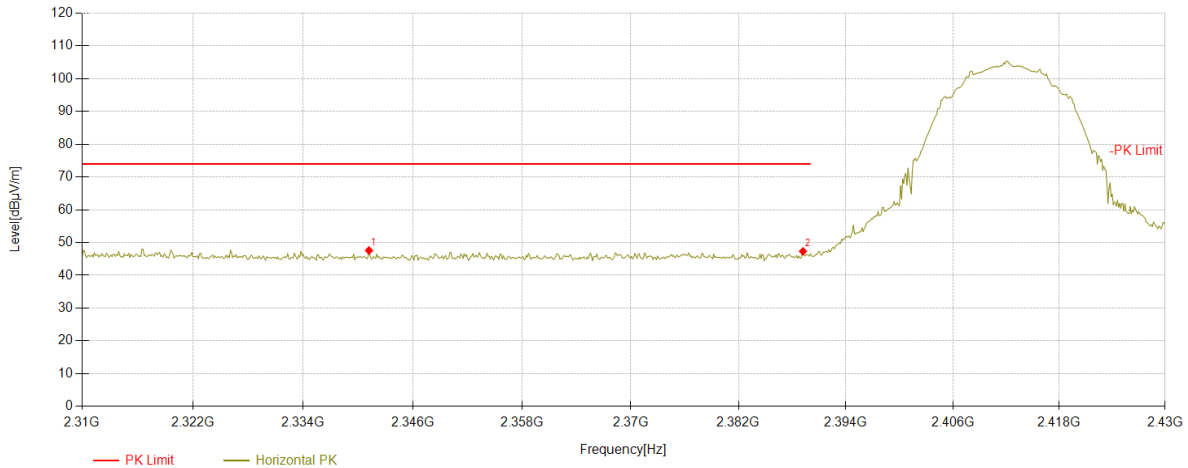






## Restricted bands around fundamental frequency

### 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	2341.2	46.36	27.02	-25.80	47.58	74.00	26.42	172	312	Horizontal
2	2389.2	45.87	27.13	-25.70	47.30	74.00	26.70	172	312	Horizontal

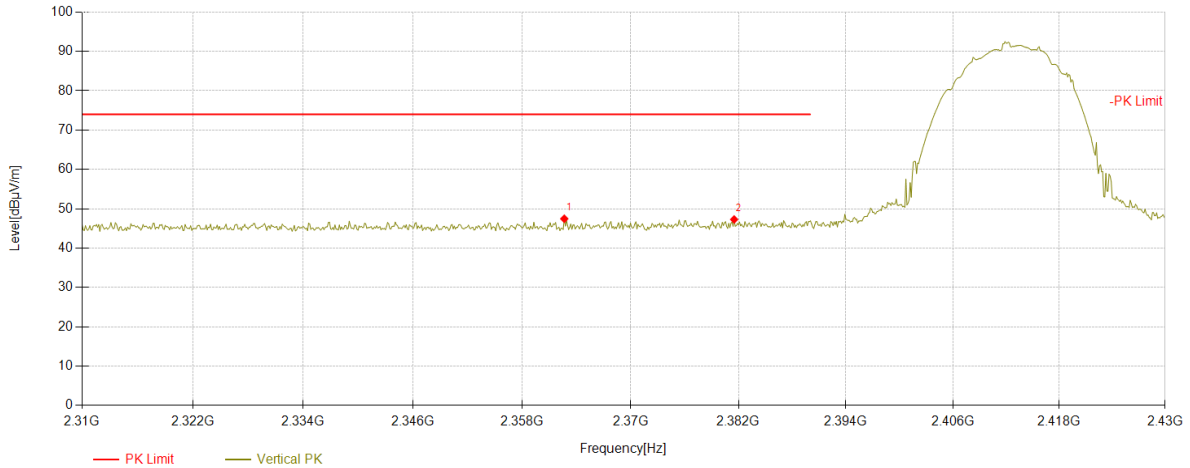




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**802.11b\_Channel 01**



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	2362.68	46.15	27.07	-25.76	47.46	74.00	26.54	131	188	Vertical
2	2381.52	45.89	27.12	-25.72	47.29	74.00	26.71	131	188	Vertical



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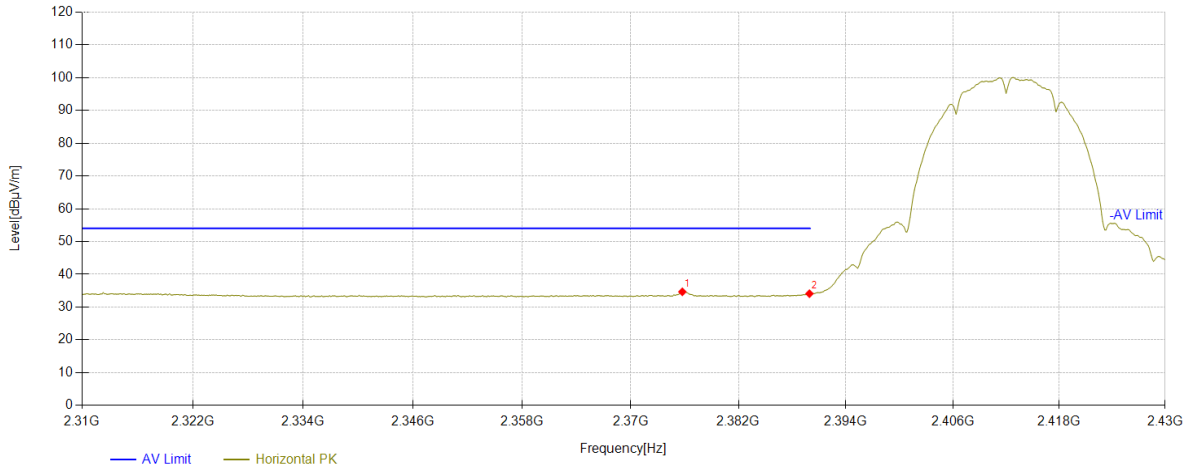
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**802.11b\_Channel 01**



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	2375.76	33.30	27.10	-25.73	34.67	54.00	19.33	172	312	Horizontal
2	2389.92	32.66	27.14	-25.70	34.10	54.00	19.90	172	312	Horizontal



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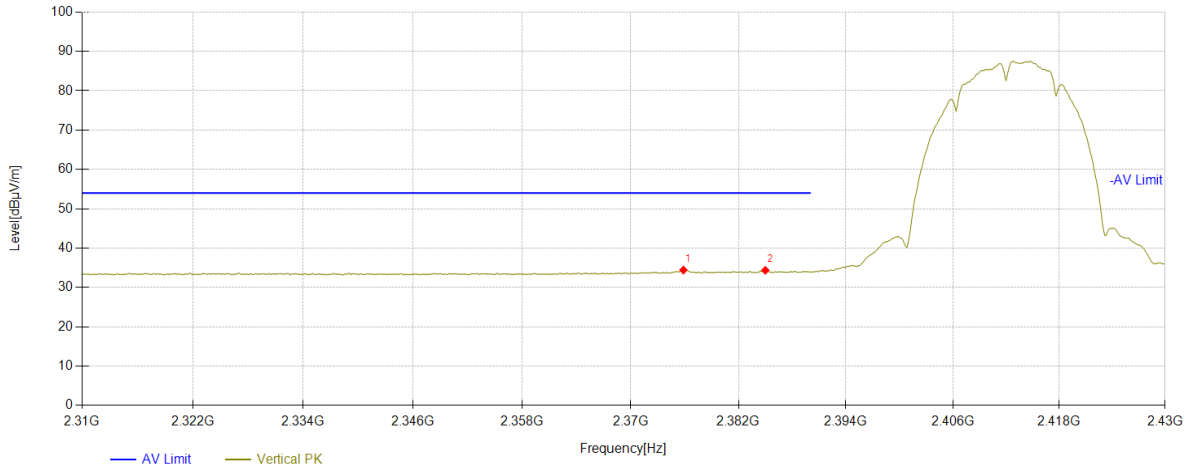
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**802.11b\_Channel 01**



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	2375.88	33.05	27.10	-25.73	34.42	54.00	19.58	131	188	Vertical
2	2385	32.94	27.12	-25.71	34.35	54.00	19.65	131	188	Vertical



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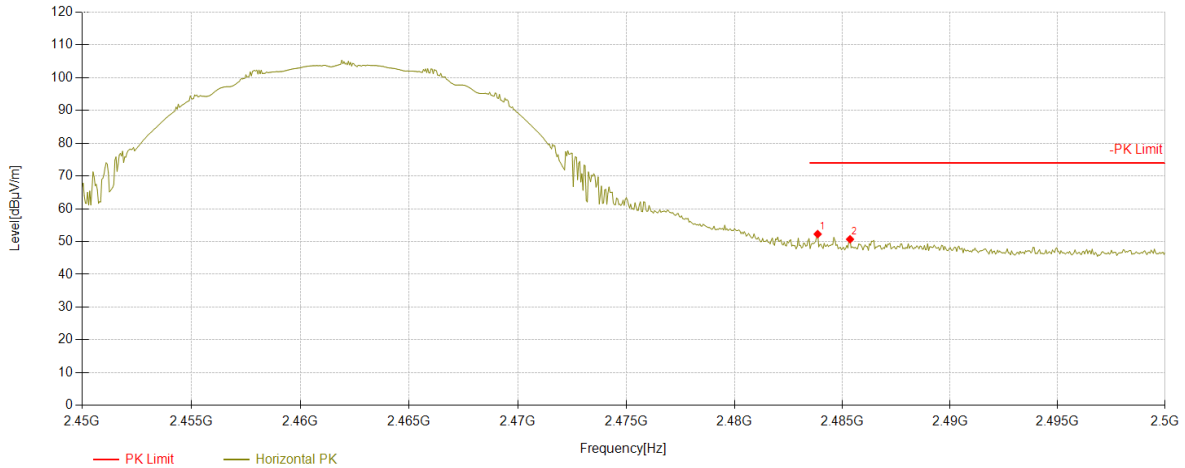
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**802.11b\_Channel 11**



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	2483.85	50.05	27.36	-25.14	52.27	74.00	21.73	179	36	Horizontal	
2	2485.35	48.46	27.36	-25.13	50.69	74.00	23.31	179	36	Horizontal	



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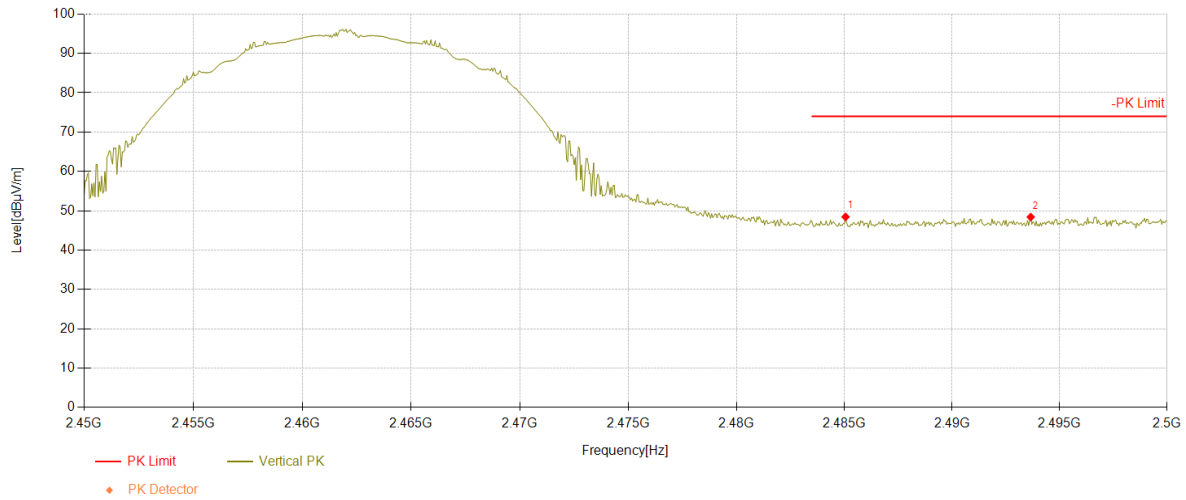
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## 802.11b\_Channel 11



### 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	2485.05	46.23	27.36	-25.14	48.45	74.00	25.55	272	182	Vertical
2	2493.65	46.11	27.38	-25.08	48.41	74.00	25.59	272	182	Vertical



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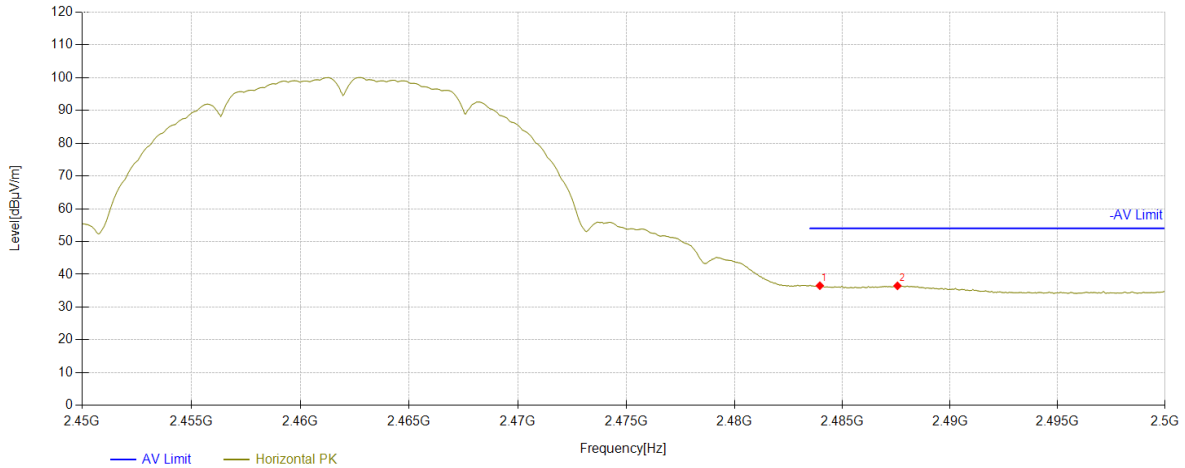
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**802.11b\_Channel 11**



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	2483.95	34.32	27.36	-25.14	36.54	54.00	17.46	179	36	Horizontal
2	2487.55	34.24	27.37	-25.12	36.49	54.00	17.51	179	36	Horizontal



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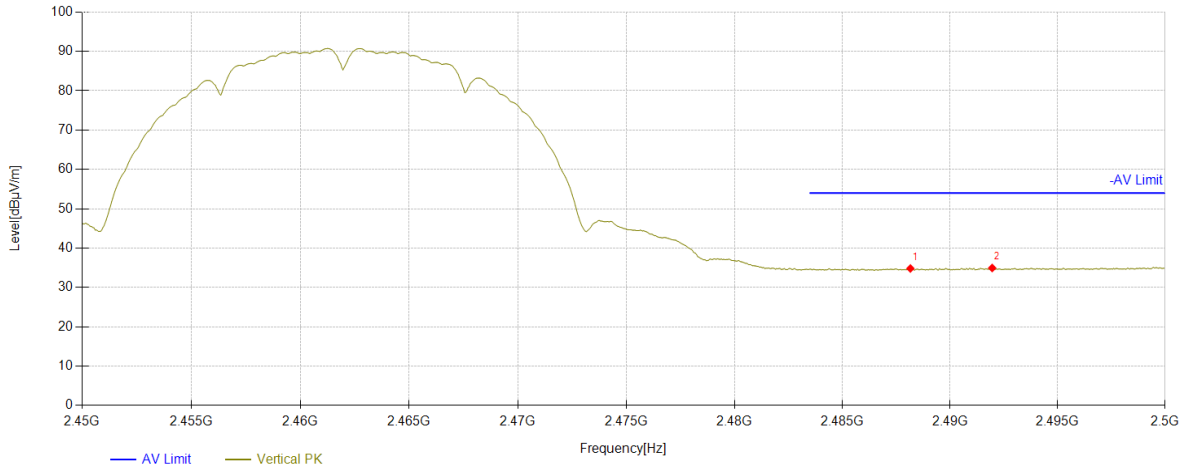
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**802.11b\_Channel 11**



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	2488.15	32.57	27.37	-25.12	34.82	54.00	19.18	272	182	Vertical
2	2491.95	32.66	27.38	-25.09	34.95	54.00	19.05	272	182	Vertical



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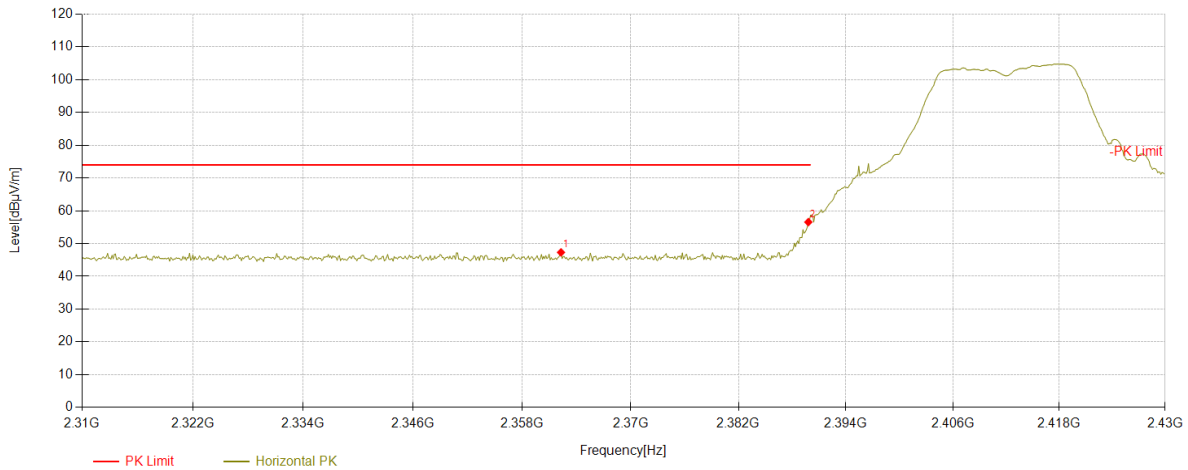




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## 802.11g\_Channel 01



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	2362.32	46.00	27.07	-25.76	47.31	74.00	26.69	215	281	Horizontal
2	2389.8	55.11	27.14	-25.70	56.55	74.00	17.45	215	281	Horizontal



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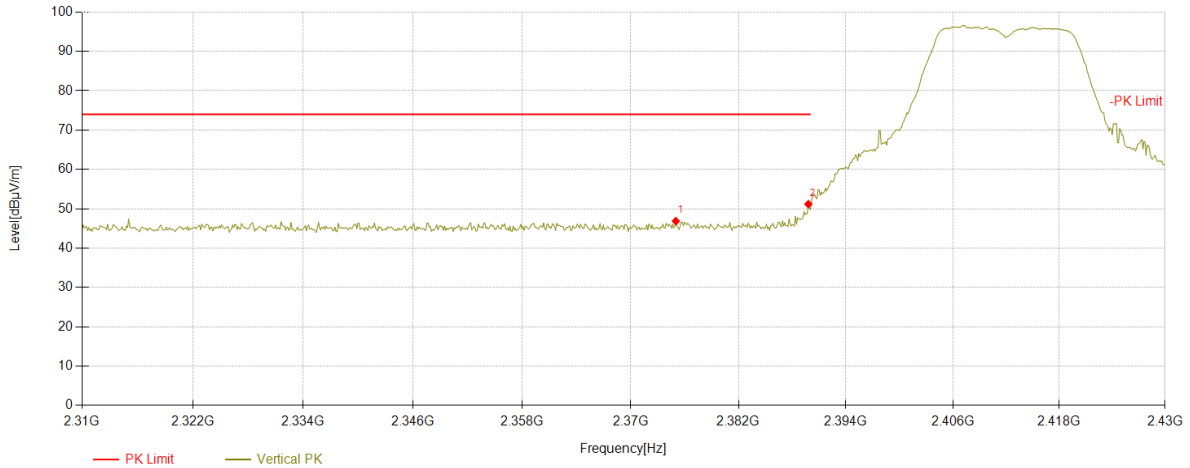
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**802.11g\_Channel 01**

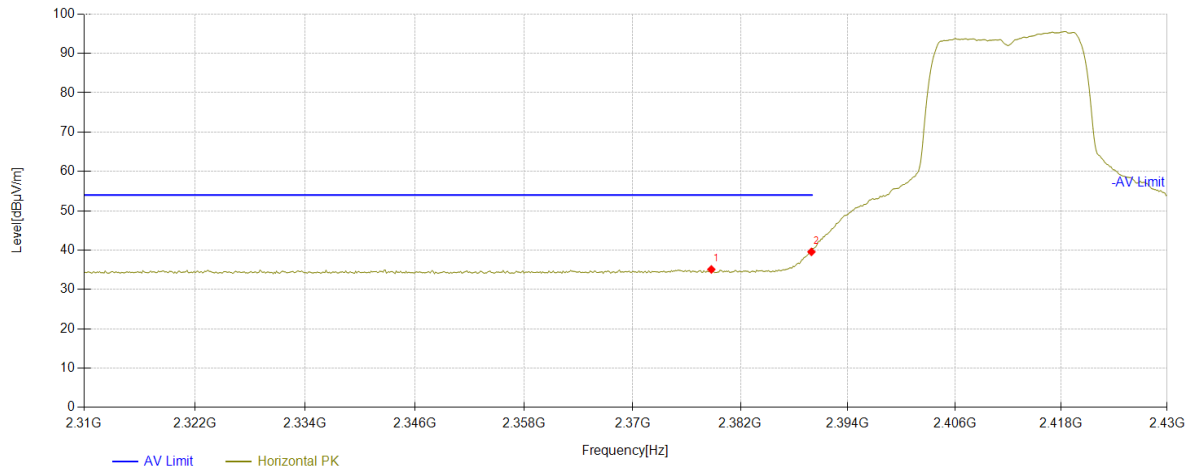


Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2375.04	45.50	27.10	-25.73	46.87	74.00	27.13	292	183	Vertical
2	2389.8	49.74	27.14	-25.70	51.18	74.00	22.82	292	183	Vertical



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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	2378.76	33.70	27.11	-25.72	35.09	54.00	18.91	215	281	Horizontal
2	2389.92	38.11	27.14	-25.70	39.55	54.00	14.45	215	281	Horizontal

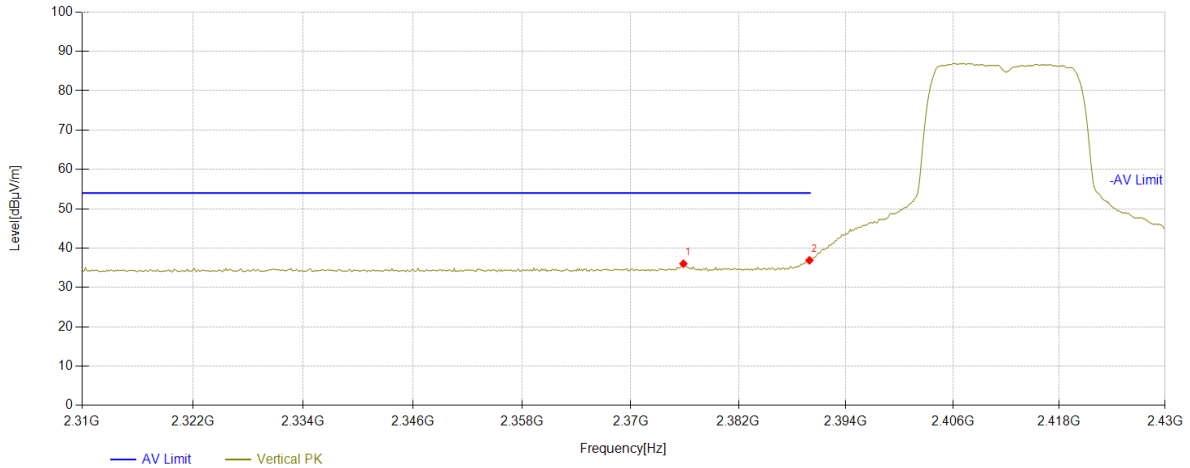




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**802.11g\_Channel 01**



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	2375.88	34.66	27.10	-25.73	36.03	54.00	17.97	292	183	Vertical
2	2389.92	35.45	27.14	-25.70	36.89	54.00	17.11	292	183	Vertical



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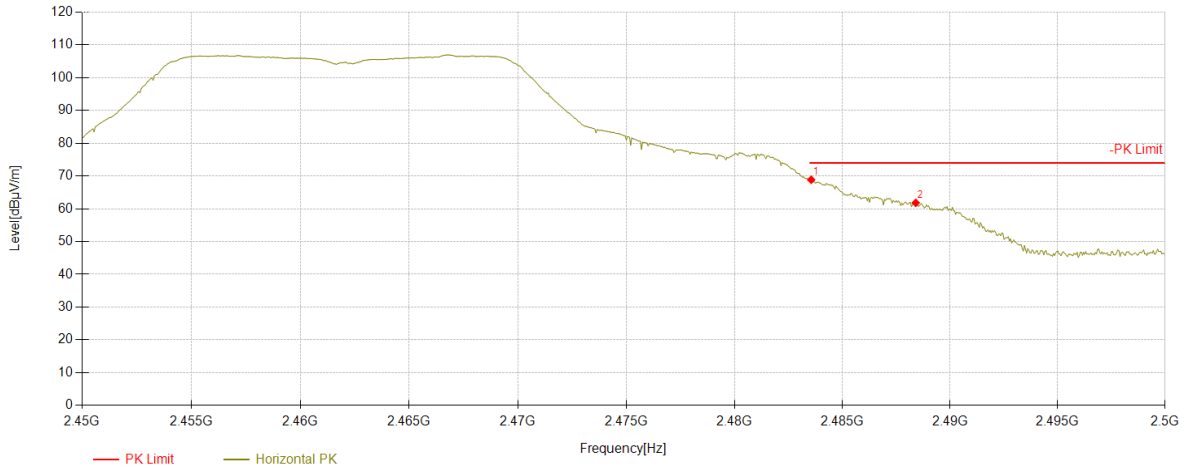
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**802.11g\_Channel 11**



Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2483.55	66.63	27.36	-25.15	68.84	74.00	5.16	162	272	Horizontal
2	2488.4	59.55	27.37	-25.11	61.81	74.00	12.19	162	272	Horizontal



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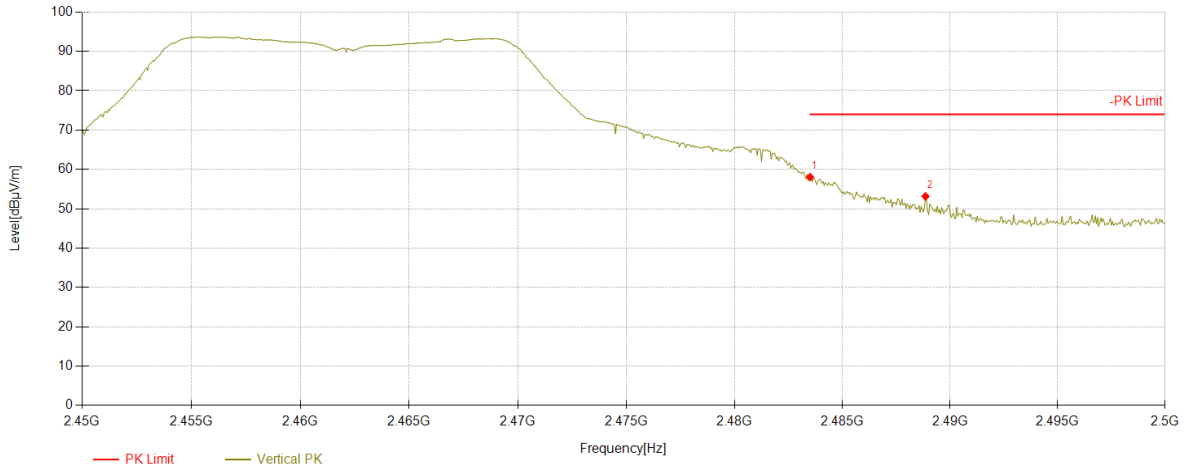
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Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2483.5	55.84	27.36	-25.15	58.05	74.00	15.95	312	112	Vertical
2	2488.85	50.89	27.37	-25.11	53.15	74.00	20.85	312	112	Vertical



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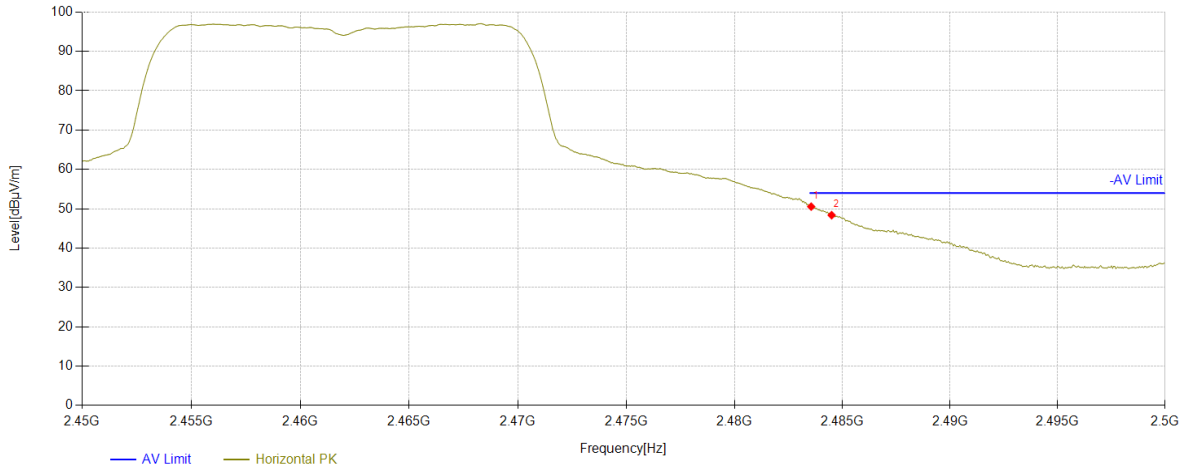
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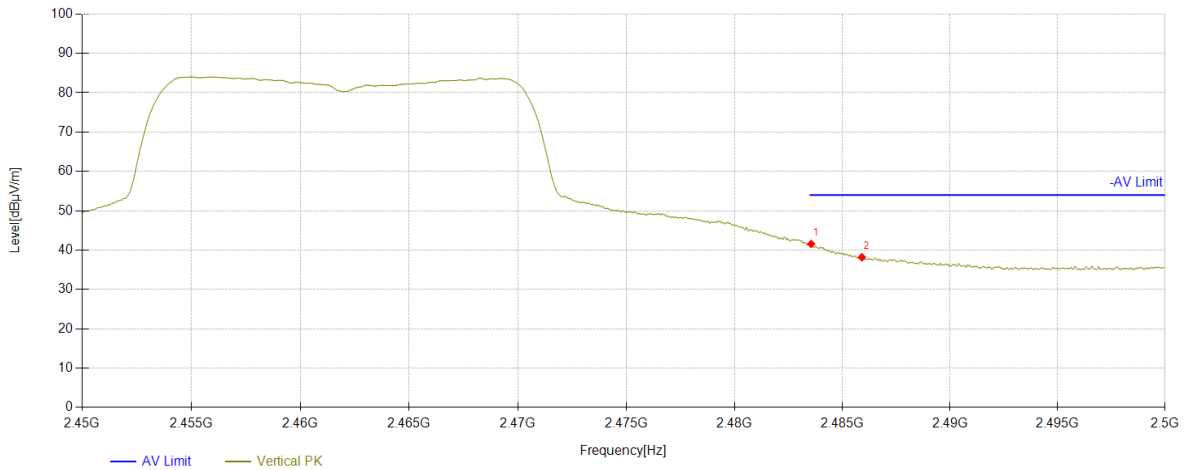


Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2483.55	48.34	27.36	-25.15	50.55	54.00	3.45	162	272	Horizontal
2	2484.5	46.15	27.36	-25.14	48.37	54.00	5.63	162	272	Horizontal



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**802.11g\_Channel 11**


Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2483.55	39.36	27.36	-25.15	41.57	54.00	12.43	312	112	Vertical
2	2485.9	35.94	27.37	-25.13	38.18	54.00	15.82	312	112	Vertical


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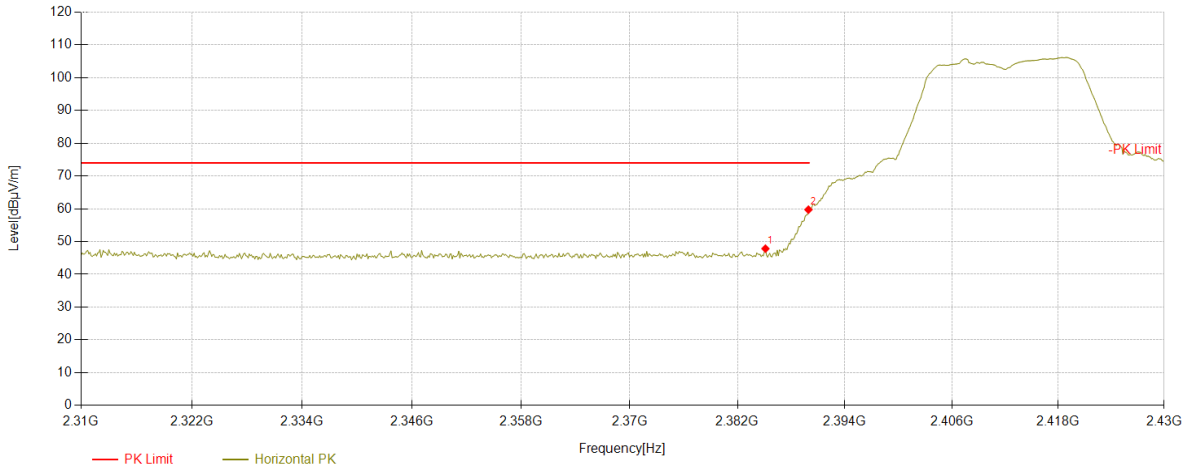




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**802.11n20\_Channel 01**



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	2385.12	46.43	27.12	-25.71	47.84	74.00	26.16	167	315	Horizontal
2	2389.92	58.28	27.14	-25.70	59.72	74.00	14.28	167	315	Horizontal



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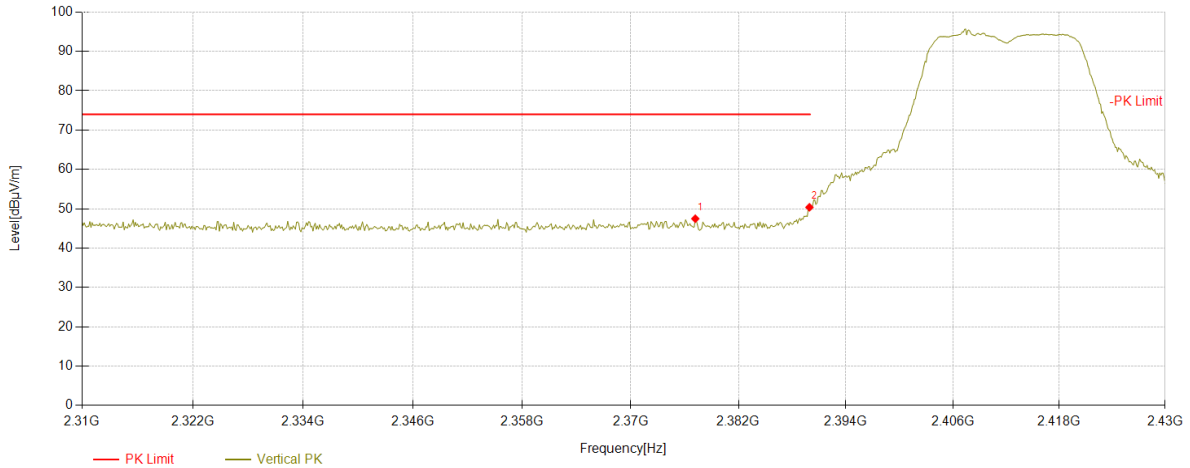
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Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2377.2	46.09	27.11	-25.73	47.47	74.00	26.53	257	186	Vertical
2	2389.92	48.94	27.14	-25.70	50.38	74.00	23.62	257	186	Vertical



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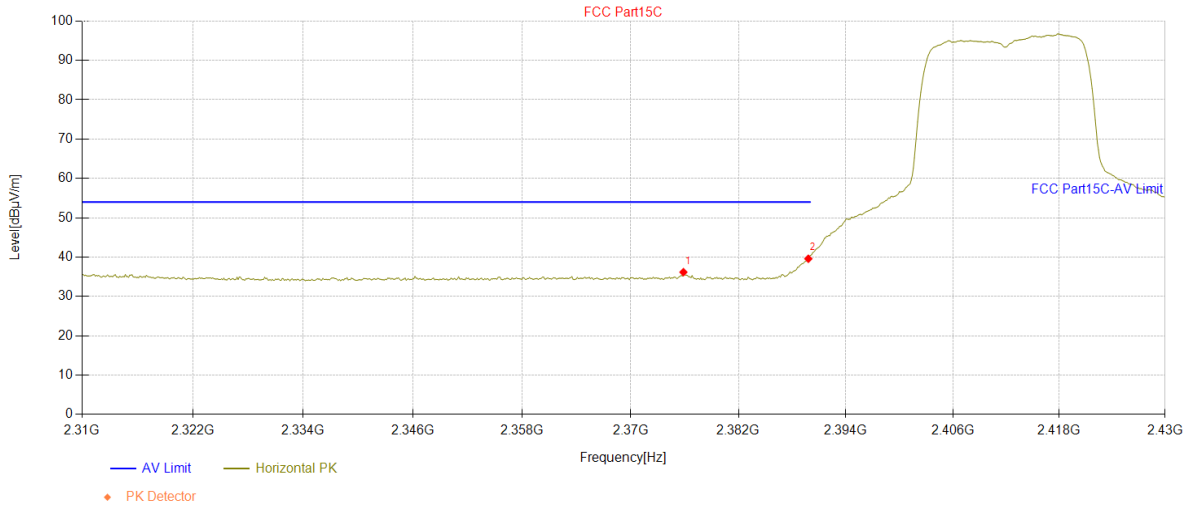
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Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2375.88	34.81	27.10	-25.73	36.18	54.00	17.82	167	315	Horizontal
2	2389.8	38.15	27.14	-25.70	39.59	54.00	14.41	167	315	Horizontal



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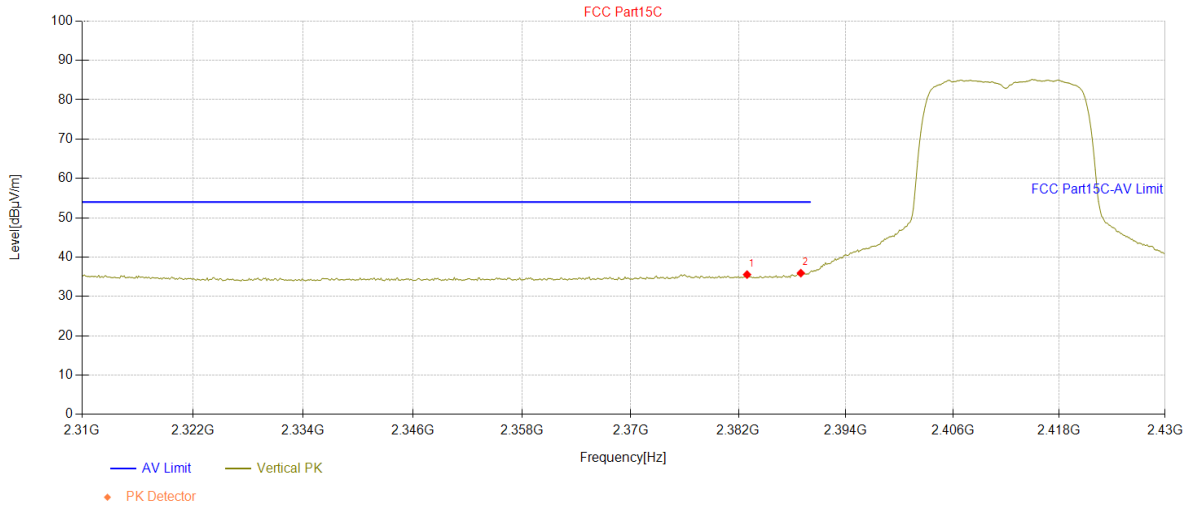
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Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2382.96	34.16	27.12	-25.72	35.56	54.00	18.44	257	186	Vertical
2	2388.96	34.50	27.13	-25.70	35.93	54.00	18.07	257	186	Vertical



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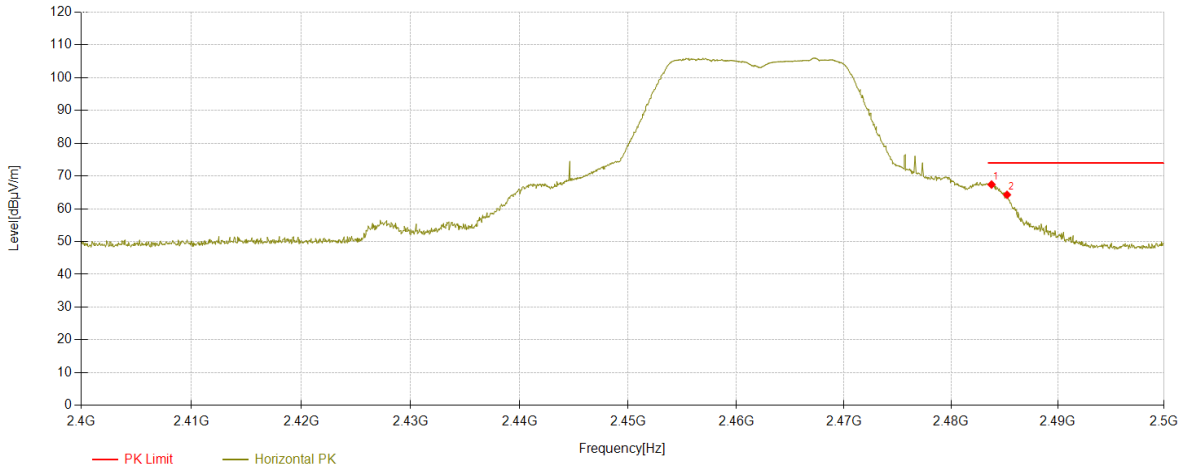
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Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2483.7919	65.16	27.36	-25.14	67.38	74.00	6.62	274	262	Horizontal
2	2485.2426	62.04	27.36	-25.13	64.27	74.00	9.73	274	262	Horizontal



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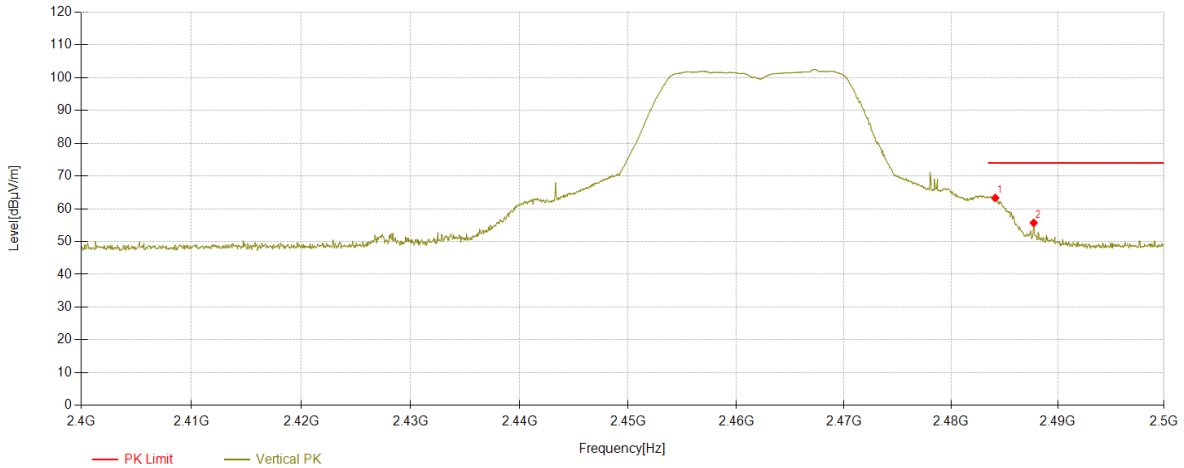
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Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2484.1421	61.10	27.36	-25.14	63.32	74.00	10.68	297	322	Vertical
2	2487.7439	53.45	27.37	-25.12	55.70	74.00	18.30	297	322	Vertical



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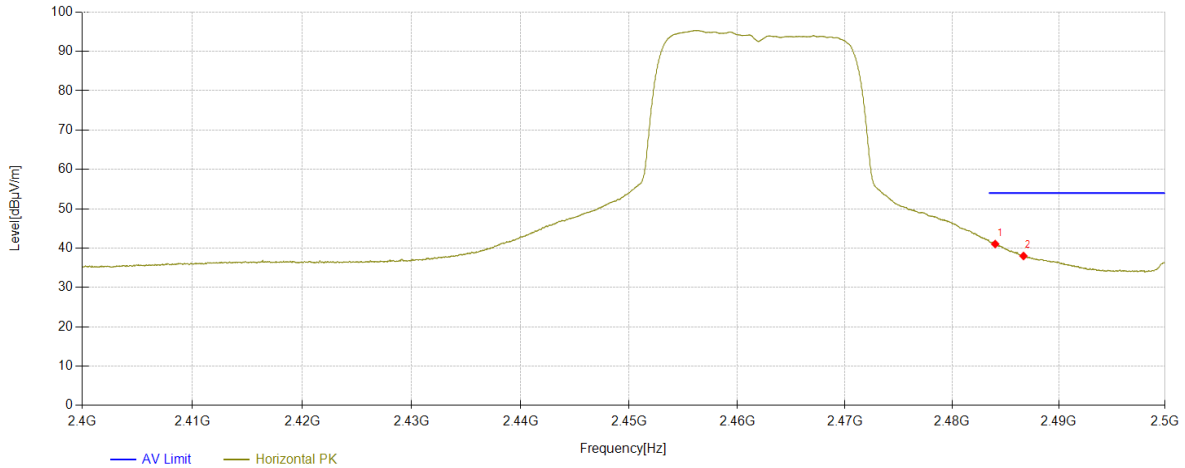
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Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2484.042	38.81	27.36	-25.14	41.03	54.00	12.97	273	262	Horizontal
2	2486.6933	35.75	27.37	-25.13	37.99	54.00	16.01	273	262	Horizontal



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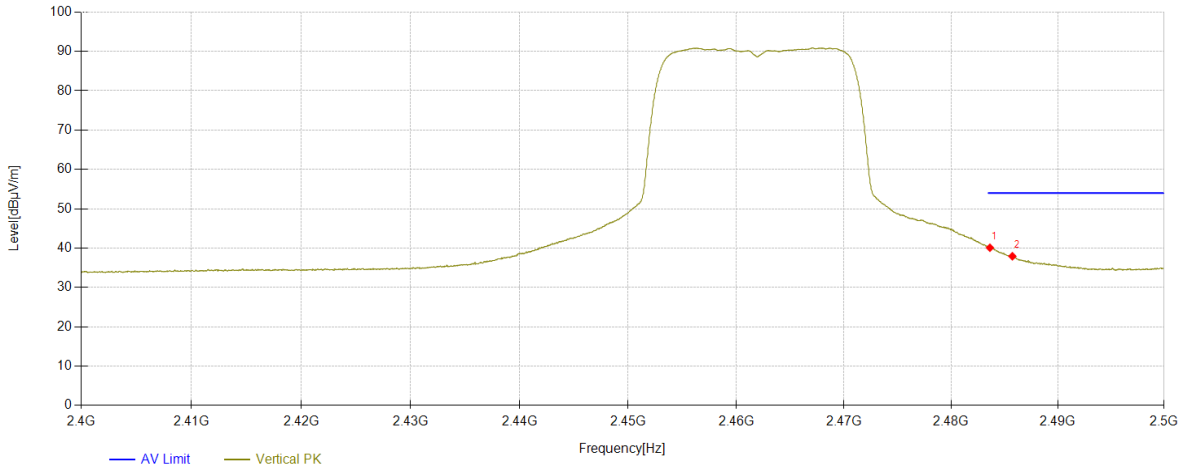
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**Shenzhen Branch**

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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	2483.6418	37.88	27.36	-25.14	40.10	54.00	13.90	297	322	Vertical
2	2485.7429	35.69	27.37	-25.13	37.93	54.00	16.07	297	322	Vertical



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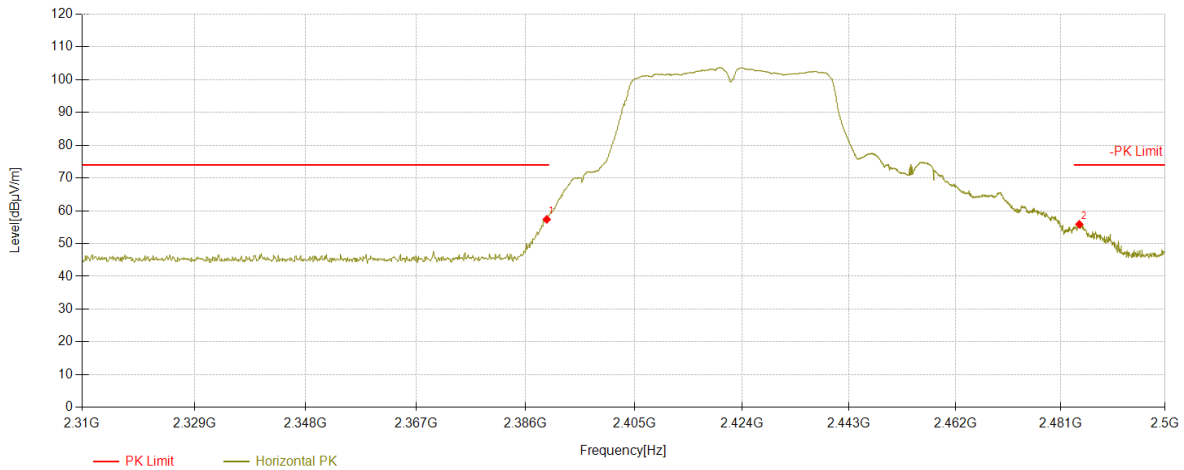




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## 802.11n40\_Channel 03



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	2389.69	55.93	27.14	-25.70	57.37	74.00	16.63	342	258	Horizontal
2	2484.4	53.65	27.36	-25.14	55.87	74.00	18.13	342	258	Horizontal



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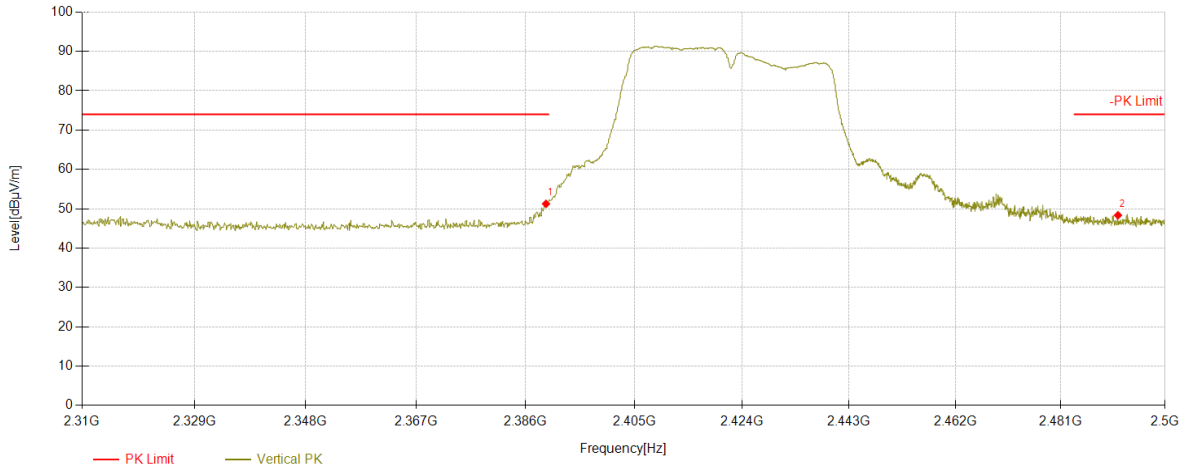
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**Shenzhen Branch**

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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	2389.56	49.82	27.13	-25.70	51.25	74.00	22.75	118	181	Vertical
2	2491.42	46.06	27.38	-25.09	48.35	74.00	25.65	118	181	Vertical



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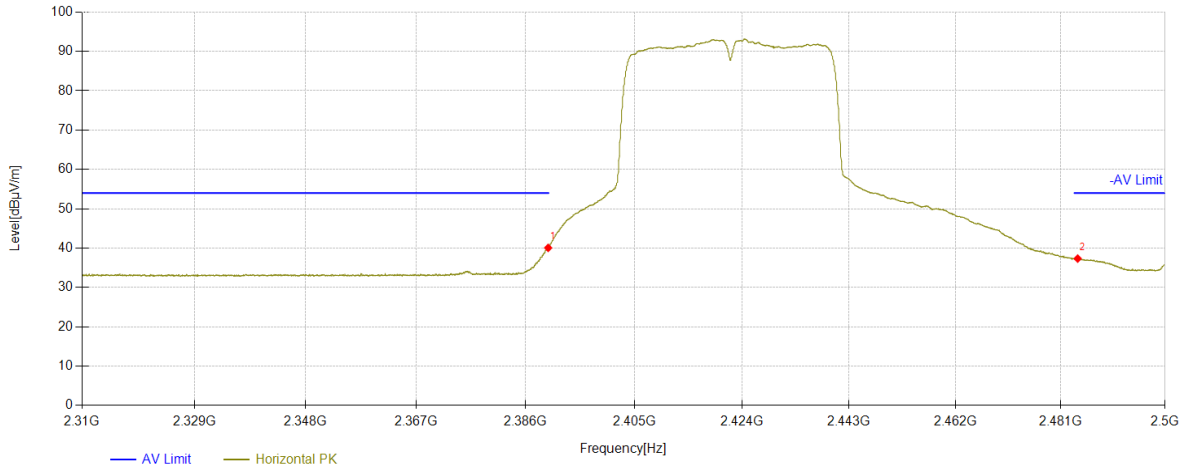
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**802.11n40\_Channel 03**



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	2389.9333	38.62	27.14	-25.70	40.06	54.00	13.94	342	258	Horizontal
2	2484.1	35.11	27.36	-25.14	37.33	54.00	16.67	342	258	Horizontal

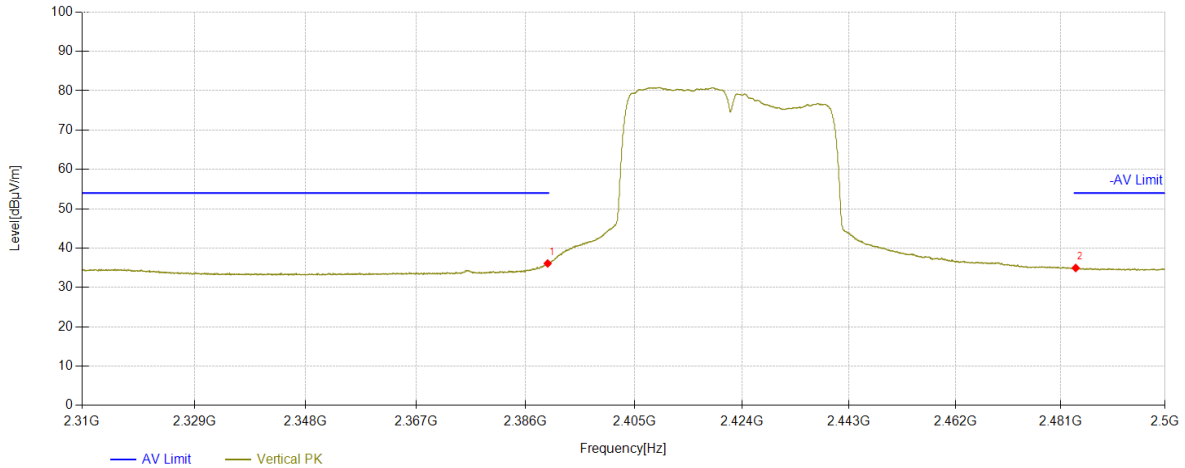


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**802.11n40\_Channel 03**



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	2389.8466	34.66	27.14	-25.70	36.10	54.00	17.90	118	181	Vertical
2	2483.74	32.73	27.36	-25.14	34.95	54.00	19.05	118	181	Vertical



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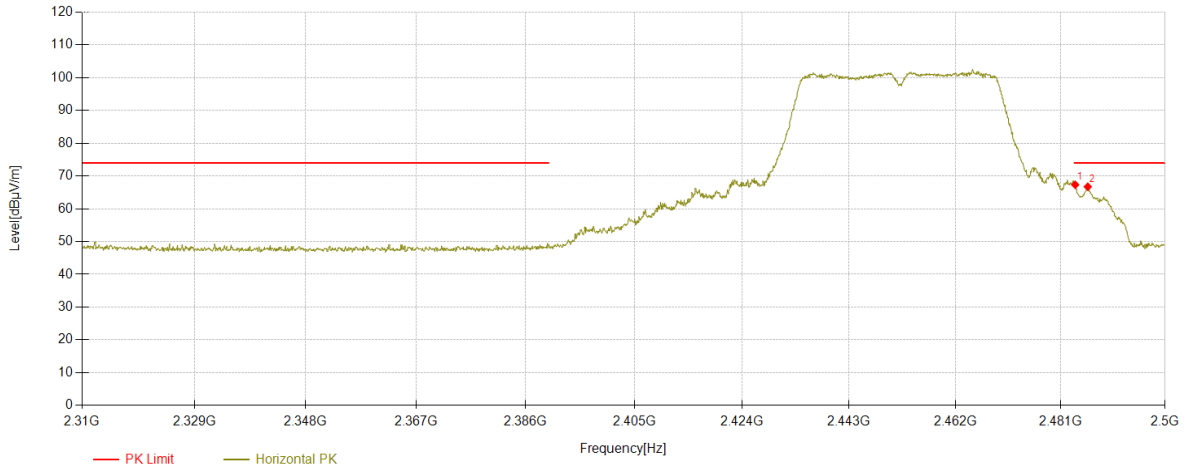
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**802.11n40\_Channel 09**



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	2483.6518	65.10	27.36	-25.14	67.32	74.00	6.68	219	67	Horizontal
2	2485.933	64.48	27.37	-25.13	66.72	74.00	7.28	219	67	Horizontal



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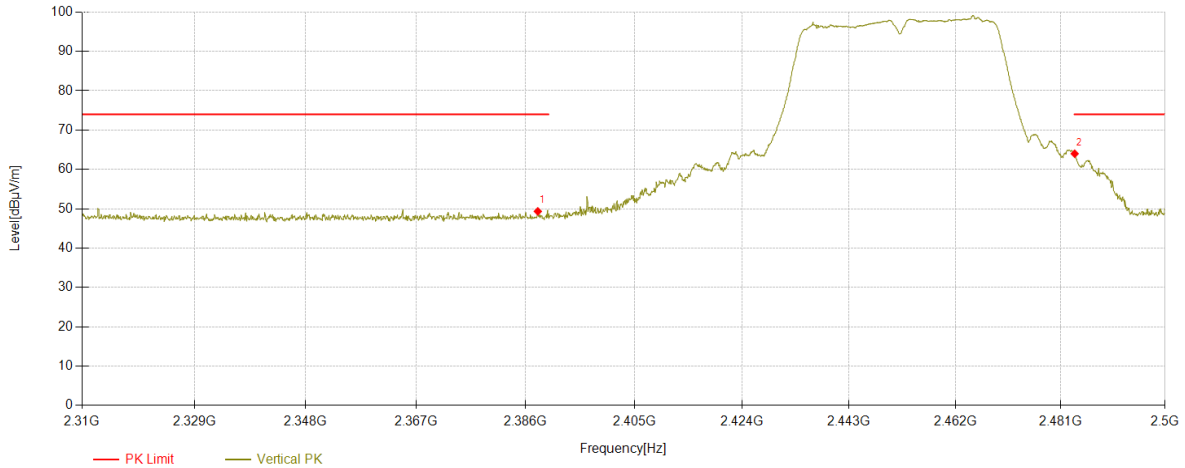
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**802.11n40\_Channel 09**



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	2388.1291	47.91	27.13	-25.70	49.34	74.00	24.66	311	323	Vertical
2	2483.5568	61.78	27.36	-25.15	63.99	74.00	10.01	311	323	Vertical



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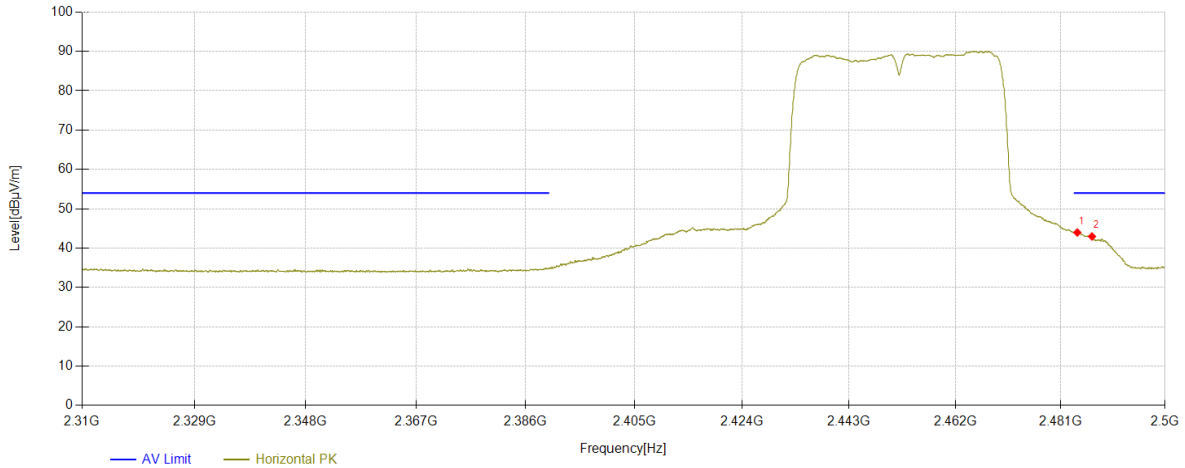
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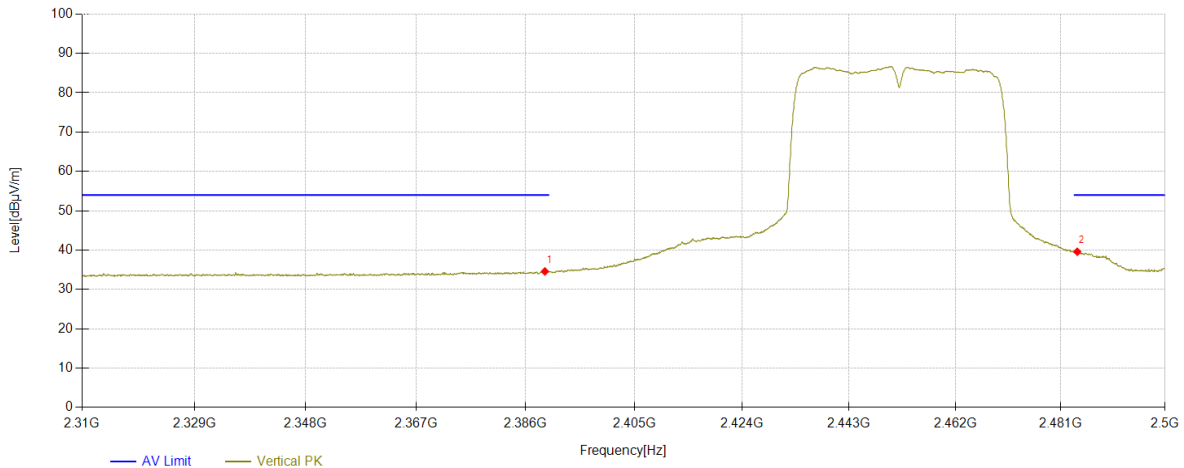


Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2484.032	41.75	27.36	-25.14	43.97	54.00	10.03	219	67	Horizontal
2	2486.6933	40.72	27.37	-25.13	42.96	54.00	11.04	219	67	Horizontal



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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	2389.3647	33.15	27.13	-25.70	34.58	54.00	19.42	311	323	Vertical
2	2484.032	37.37	27.36	-25.14	39.59	54.00	14.41	311	323	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:  
 $Level = Reading(dB\mu V) + AF(dB/m) + Factor(dB)$   
 $AF = Antenna\ Factor(dB/m)$   
 $Factor = Cable\ Factor(dB) - Pre-amplifier\ gain(dB)$   
 $Margin = Limit(dB\mu V/m) - Level(dB\mu V/m)$
- Both peak and average measured complies with the limit line, so test result is "PASS"

---End of Report---

