

Radiated Pattern of Sleeve antenna Measurement Value

Angle	V		[dBm]		H		[dBm]	
	2.4GHz	2.45GHz	2.5GHz	2.4GHz	2.45GHz	2.5GHz	2.5GHz	
0	-24.106	-24.519	-25.101	-31.31	-32.512	-34.34		
5	-24.013	-24.478	-25.037	-31.017	-32.075	-33.834		
10	-23.799	-24.287	-24.869	-31.015	-31.959	-33.574		
15	-23.535	-24.015	-24.602	-31.237	-32.249	-33.737		
20	-23.351	-23.827	-24.335	-31.495	-32.494	-33.908		
25	-23.381	-23.836	-24.258	-31.597	-32.442	-33.801		
30	-23.624	-24.038	-24.426	-31.537	-32.228	-33.355		
35	-23.911	-24.349	-24.709	-31.708	-32.276	-33.063		
40	-24.01	-24.48	-24.898	-32.654	-32.931	-33.512		
45	-23.86	-24.288	-24.778	-34.592	-34.325	-34.623		
50	-23.718	-24.019	-24.434	-36.915	-35.91	-35.538		
55	-23.874	-24.015	-24.321	-38.794	-36.778	-35.802		
60	-24.369	-24.377	-24.595	-41.041	-37.964	-36.285		
65	-24.777	-24.792	-24.982	-45.47	-40.727	-37.906		
70	-24.579	-24.73	-25.003	-42.75	-41.086	-38.482		
75	-23.995	-24.32	-24.626	-37.626	-37.146	-36.231		
80	-23.737	-24.185	-24.502	-35.701	-35.267	-34.769		
85	-24.088	-24.69	-24.884	-35.842	-35.534	-35.118		
90	-24.689	-25.477	-25.574	-35.508	-35.694	-35.484		
95	-24.782	-25.726	-25.793	-33.531	-33.975	-33.944		
100	-24.434	-25.285	-25.432	-32.318	-32.719	-32.549		
105	-24.199	-24.783	-25.021	-32.845	-33.092	-32.769		
110	-24.453	-24.695	-25.05	-35.252	-35.284	-34.778		
115	-25.119	-25.099	-25.568	-38.286	-38.199	-37.45		
120	-25.877	-25.821	-26.278	-37.514	-37.533	-37.143		
125	-26.317	-26.504	-26.827	-35.02	-35.117	-35.056		
130	-26.305	-26.818	-26.984	-33.486	-33.66	-33.835		
135	-26.018	-26.769	-26.78	-32.828	-33.09	-33.42		
140	-25.654	-26.49	-26.415	-32.583	-32.927	-33.242		
145	-25.369	-26.111	-26.019	-32.315	-32.694	-32.962		
150	-25.131	-25.669	-25.723	-31.793	-32.234	-32.819		
155	-24.928	-25.342	-25.542	-31.256	-31.986	-32.672		
160	-24.793	-25.066	-25.42	-30.879	-31.73	-32.555		
165	-24.656	-24.913	-25.351	-30.669	-31.506	-32.404		
170	-24.566	-24.845	-25.322	-30.581	-31.372	-32.08		
175	-24.401	-24.798	-25.369	-30.463	-31.213	-31.997		
180	-24.329	-24.786	-25.353	-30.315	-31.049	-31.968		
185	-24.222	-24.824	-25.43	-30.16	-30.891	-31.944		
190	-24.202	-25.002	-25.572	-29.926	-30.653	-31.8		
195	-24.233	-25.198	-25.675	-29.629	-30.271	-31.584		
200	-24.191	-25.157	-25.649	-29.651	-30.351	-31.331		
205	-23.941	-24.868	-25.385	-29.987	-30.698	-31.63		
210	-23.669	-24.563	-25.056	-30.748	-31.337	-32.321		
215	-23.675	-24.459	-24.982	-31.723	-32.31	-33.176		
220	-23.898	-24.652	-25.164	-32.772	-33.5	-34.279		
225	-24.21	-24.821	-25.243	-34.415	-35.062	-35.843		
230	-24.233	-24.702	-25.138	-37.123	-37.769	-38.258		
235	-24.066	-24.523	-25.039	-41.162	-42.1	-41.789		
240	-24.164	-24.54	-25.152	-43.029	-45.444	-44.956		
245	-24.571	-24.885	-25.493	-41.022	-43.934	-44.809		
250	-24.991	-25.256	-25.727	-39.372	-41.061	-41.692		
255	-24.994	-25.206	-25.557	-36.593	-37.465	-38.257		
260	-24.748	-24.954	-25.19	-34.288	-34.837	-35.64		
265	-24.477	-24.83	-25.044	-33.028	-33.536	-34.378		
270	-24.464	-25.05	-25.31	-32.878	-33.454	-34.378		
275	-24.619	-25.484	-25.806	-33.629	-34.117	-35.066		
280	-24.949	-25.947	-26.25	-34.762	-35.141	-35.704		
285	-25.248	-26.174	-26.491	-35.671	-35.742	-35.346		
290	-25.423	-26.141	-26.477	-35.621	-35.322	-34.371		
295	-25.478	-25.939	-26.34	-34.901	-34.269	-33.34		
300	-25.49	-25.725	-26.187	-34.083	-33.232	-32.471		
305	-25.418	-25.598	-26.075	-33.488	-32.513	-31.892		
310	-25.214	-25.523	-25.997	-33.131	-32.089	-31.594		
315	-24.822	-25.345	-25.864	-33.065	-32.028	-31.642		
320	-24.388	-25.098	-25.63	-33.205	-32.287	-31.984		
325	-23.994	-24.833	-25.351	-33.377	-32.788	-32.604		
330	-23.729	-24.575	-25.083	-33.42	-33.357	-33.397		
335	-23.632	-24.364	-24.894	-33.283	-33.819	-34.203		
340	-23.663	-24.248	-24.805	-33.059	-34.059	-34.86		
345	-23.766	-24.226	-24.798	-32.736	-34.043	-35.246		
350	-23.905	-24.298	-24.866	-32.286	-33.739	-35.3		
355	-24.018	-24.39	-24.96	-31.751	-33.081	-34.87		

Isotropic Antenna Gain

V	[dBi]		H		[dBi]	
	2.4GHz	2.45GHz	2.5GHz	2.4GHz	2.45GHz	2.5GHz
0.244	-1.219	-0.431	-7.9	-9.612	-10.97	
0.337	-1.178	-0.367	-7.607	-9.175	-10.464	
0.551	-0.987	-0.199	-7.605	-9.059	-10.204	
0.815	-0.715	0.068	-7.827	-9.349	-10.367	
0.999	-0.527	0.335	-8.085	-9.594	-10.538	
0.969	-0.536	0.412	-8.187	-9.542	-10.431	
0.726	-0.738	0.244	-8.127	-9.328	-9.985	
0.439	-1.049	-0.039	-8.298	-9.376	-9.693	
0.34	-1.18	-0.228	-9.244	-10.031	-10.142	
0.49	-0.988	-0.108	-11.182	-11.425	-11.253	
0.632	-0.719	0.236	-13.505	-13.01	-12.168	
0.476	-0.715	0.349	-15.384	-13.878	-12.432	
-0.019	-1.077	0.075	-17.631	-15.064	-12.915	
-0.427	-1.492	-0.312	-22.06	-17.827	-14.536	
-0.229	-1.43	-0.333	-19.34	-18.186	-15.112	
0.355	-1.02	0.044	-14.216	-14.246	-12.861	
0.613	-0.885	0.168	-12.291	-12.367	-11.399	
0.262	-1.39	-0.214	-12.432	-12.634	-11.748	
-0.339	-2.177	-0.904	-12.098	-12.794	-12.114	
-0.432	-2.426	-1.123	-10.121	-11.075	-10.574	
-0.084	-1.985	-0.762	-8.908	-9.819	-9.179	
0.151	-1.483	-0.351	-9.435	-10.192	-9.399	
-0.103	-1.395	-0.38	-11.842	-12.384	-11.408	
-0.769	-1.799	-0.898	-14.876	-15.299	-14.08	
-1.527	-2.521	-1.608	-14.104	-14.633	-13.773	
-1.967	-3.204	-2.157	-11.61	-12.217	-11.686	
-1.955	-3.518	-2.314	-10.076	-10.76	-10.465	
-1.668	-3.469	-2.11	-9.418	-10.19	-10.05	
-1.304	-3.19	-1.745	-9.173	-10.027	-9.872	
-1.019	-2.811	-1.349	-8.905	-9.794	-9.592	
-0.781	-2.369	-1.053	-8.383	-9.334	-9.449	
-0.578	-2.042	-0.872	-7.846	-9.086	-9.302	
-0.443	-1.766	-0.75	-7.469	-8.83	-9.185	
-0.306	-1.613	-0.681	-7.259	-8.606	-9.034	
-0.216	-1.545	-0.652	-7.171	-8.472	-8.71	
-0.051	-1.498	-0.699	-7.053	-8.313	-8.627	
0.021	-1.486	-0.683	-6.905	-8.149	-8.598	
0.128	-1.524	-0.76	-6.75	-7.991	-8.574	
0.148	-1.702	-0.902	-6.516	-7.753	-8.43	
0.117	-1.898	-1.005	-6.219	-7.371	-8.214	
0.159	-1.857	-0.979	-6.241	-7.451	-7.961	
0.409	-1.568	-0.715	-6.577	-7.798	-8.26	
0.681	-1.263	-0.386	-7.338	-8.437	-8.951	
0.675	-1.159	-0.312	-8.313	-9.41	-9.806	
0.452	-1.352	-0.494	-9.362	-10.6	-10.909	
0.14	-1.521	-0.573	-11.005	-12.162	-12.473	
0.117	-1.402	-0.468	-13.713	-14.869	-14.888	
0.284	-1.223	-0.369	-17.752	-19.2	-18.419	
0.186	-1.24	-0.482	-19.619	-22.544	-21.586	
-0.221	-1.585	-0.823	-17.612	-21.034	-21.439	
-0.641	-1.956	-1.057	-15.962	-18.161	-18.322	
-0.644	-1.906	-0.887	-13.183	-14.565	-14.887	
-0.398	-1.654	-0.52	-10.878	-11.937	-12.27	
-0.127	-1.53	-0.374	-9.618	-10.636	-11.008	
-0.114	-1.75	-0.64	-9.468	-10.554	-11.008	
-0.269	-2.184	-1.136	-10.219	-11.217	-11.696	
-0.599	-2.647	-1.58	-11.352	-12.241	-12.334	
-0.898	-2.874	-1.821	-12.261	-12.842	-11.976	
-1.073	-2.841	-1.807	-12.211	-12.422	-11.001	
-1.128	-2.639	-1.67	-11.491	-11.369	-9.97	
-1.14	-2.425	-1.517	-10.673	-10.332	-9.101	
-1.068	-2.298	-1.405	-10.078	-9.613	-8.522	
-0.864	-2.223	-1.327	-9.721	-9.189	-8.224	
-0.472	-2.045	-1.194	-9.655	-9.128	-8.272	
-0.038	-1.798	-0.96	-9.795	-9.387	-8.614	
0.356	-1.533	-0.681	-9.967	-9.888	-9.234	
0.621	-1.275	-0.413	-10.01	-10.457	-10.027	
0.718	-1.064	-0.224	-9.873	-10.919	-10.833	
0.687	-0.948	-0.135	-9.649	-11.159	-11.49	
0.584	-0.926	-0.128	-9.326	-11.143	-11.876	
0.445	-0.998	-0.196	-8.876	-10.839	-11.93	
0.332	-1.09	-0.29	-8.341	-10.181	-11.5	

Standard Dipole Antenna Gain

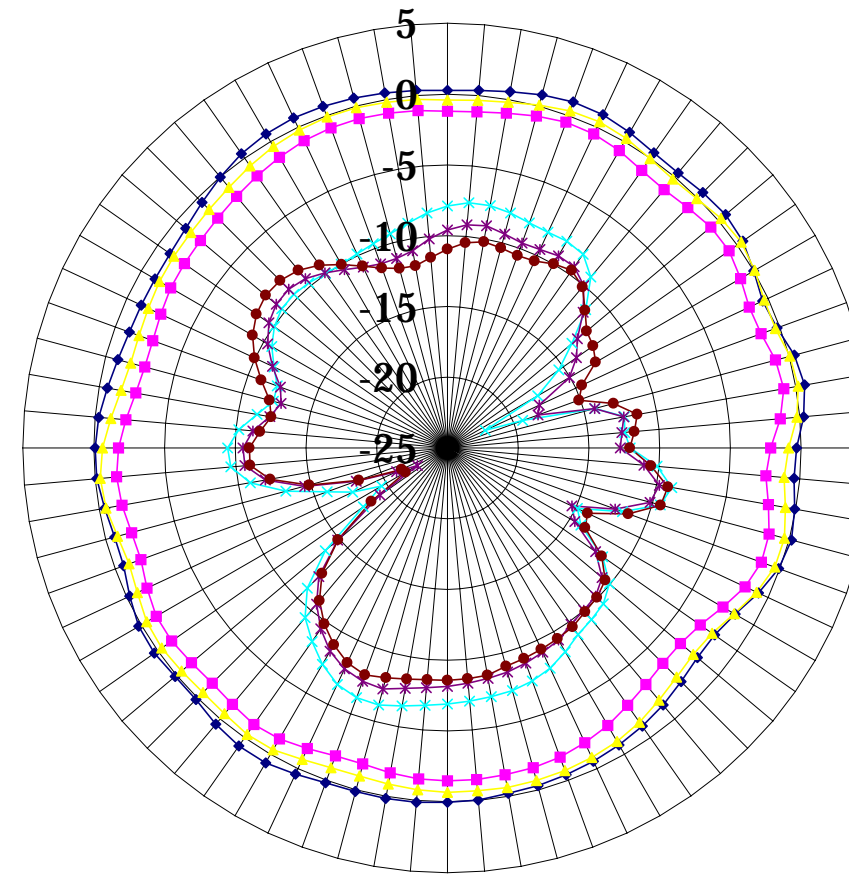
2.14 [dBi]

Measurement Value of Standard Dipole Antenna

Signal Generator Output 15dBm

Polarizat	[dBm]	
	V-V	H-H
2.4GHz	-22.21	-21.27
2.45GHz	-21.16	-20.76
2.5GHz	-22.53	-21.23

2.4GHz Sleeve Antenna Gain [dBi]



	[dBi]					
Max. Gain	0.999	-0.527	0.412	-6.219	-7.371	-7.961