

Raw data – ANT11 (2.4GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
0	4.827026	1.765676	1.946163	0.750966	-0.1616	-0.68627	-0.49061	0.042773	0.374094	0.267305	-0.27042	-1.10199	-2.03707	-2.91535	-3.69496	-4.49968	-5.25105	-6.05699	-6.61147	-6.93491	-6.73512	-6.4333	-6.08605	-5.87688	-5.94779	-6.32028	-6.96981	-8.0964	-10.1287	-14.0554	-19.8358	-15.3885	-11.2826	-9.9341	-11.0863	-5.5758
5	4.827026	1.800492	1.603799	0.950731	0.101232	-0.38843	-0.12388	0.57456	1.044478	1.083531	0.632846	-0.20572	-1.25199	-2.29102	-3.15566	-3.79648	-4.23803	-4.47911	-4.49697	-4.33829	-4.14343	-3.60345	-2.67932	-1.60923	-0.56721	-0.39585	-0.32828	-0.62735	-1.12764	-1.83244	-2.4455	-3.0427	-3.64947	-4.1106	-4.5765	-5.0626
10	4.827026	1.832987	1.617154	1.152091	0.361322	-0.14247	0.030763	0.808288	1.404943	1.658315	0.214771	0.452454	-0.34004	-1.66402	-2.44247	-2.86809	-2.93968	-2.755	-2.44024	-2.10758	-1.90421	-2.07891	-2.65708	-3.48075	-6.06697	-7.91594	-9.85506	-10.4729	-10.1695	-11.2321	-11.6507	-12.5754	-13.4947	-14.4093	-15.2088	-15.9625
15	4.827026	1.862301	1.821158	1.349557	0.60604	0.033459	0.122147	0.76577	1.400474	1.665304	1.431826	0.771671	-0.14597	-1.06254	-1.74249	-1.91677	-1.91607	-1.63749	-1.30536	-1.065	-1.07593	-1.23332	-2.29152	-3.77828	-5.87891	-8.16352	-9.12727	-8.7129	-8.3254	-8.62534	-9.29084	-9.26083	-9.49076	-9.3453	-11.3727	-16.2638
20	4.827026	1.887587	1.981235	1.539947	0.830331	0.155722	-0.02217	0.4058	1.000725	1.3904	1.254082	0.779651	0.056128	-0.70555	-1.30011	-1.62909	-1.72728	-1.68722	-1.4601	-1.169737	-1.057	-1.25598	-2.5974	-4.22924	-6.2541	-6.88129	-6.61487	-6.17781	-6.02619	-6.84577	-7.28004	-8.3081	-8.5606	-9.3673	-11.6217	-16.6156
25	4.827026	1.908203	2.012734	1.72155	1.063235	0.269396	-0.26079	-0.22439	0.18481	0.55412	0.643564	0.143402	-0.0553	-0.64175	-1.23515	-1.78498	-2.3095	-2.8676	-3.5208	-4.30522	-5.18689	-6.0107	-6.7899	-6.4859	-6.1634	-5.87604	-4.83891	-3.3997	-4.95187	-5.96289	-7.08083	-7.88889	-8.43207	-9.50181	-11.9517	-16.9883
30	4.827026	1.922829	2.097277	1.893197	1.308478	0.435043	-0.440124	-0.09849	-0.94896	-0.67435	-0.37952	-0.5367	-0.78375	-1.35573	-1.97765	-2.77811	-3.83028	-5.0088	-6.4882	-8.2241	-10.2801	-12.6855	-15.6016	-18.73734	-19.1114	-13.2319	-9.36855	-6.48722	-5.982	-7.14278	-7.87831	-8.51544	-9.75872	-12.3753	-17.9080	
35	4.827026	1.93128	2.16084	2.06586	1.558557	0.70512	-0.7413	-1.38919	-2.01116	-2.1189	-1.89437	-1.62553	-1.46747	-1.46978	-1.62881	-1.93276	-2.3807	-2.97695	-3.66838	-4.289	-4.5537	-5.2731	-5.9937	-6.88929	-7.84307	-8.24521	-7.95942	-6.551	-5.91901	-6.97034	-7.84534	-8.71258	-9.76146	-10.1079	-12.8245	-17.8057
40	4.827026	1.932721	2.21004	2.18989	1.827004	1.094121	0.603207	-1.1139	-2.28959	-2.81063	-3.3367	-3.05486	-2.84938	-2.60834	-2.40728	-2.25258	-2.1542	-2.11146	-2.05085	-2.06949	-1.9961	-1.88416	-1.80472	-1.8894	-2.14569	-2.82604	-4.0304	-5.79933	-7.7992	-9.0551	-9.9512	-10.6279	-12.328	-15.005	-18.7578	
45	4.827026	1.936581	2.246849	2.25531	2.10058	1.57044	0.79893	-0.13073	-1.07252	-1.33024	-2.87574	-3.26898	-3.96447	-4.1084	-3.9907	-3.68372	-3.5252	-2.9517	-2.1604	-2.0325	-2.0728	-1.98456	-2.10384	-2.4978	-2.5844	-2.5901	-2.60505	-2.94267	-12.0545	-11.515	-9.70169	-8.86384	-8.2669	-8.0473	-13.8172	-18.5583
50	4.827026	1.912389	2.268407	2.24673	2.306487	1.804113	1.652189	1.12618	0.75233	-0.19372	-1.07217	-2.15568	-3.2425	-4.54	-5.00972	-5.44602	-5.5945	-4.8977	-5.7081	-6.72928	-6.2969	-6.02638	-6.40263	-6.8484	-6.8504	-6.94882	-13.186	-14.201	-11.801	-10.09878	-8.5757	-9.24257	-11.144	-12.81	-18.81	
55	4.827026	1.889791	2.227582	2.21958	2.554451	2.409451	2.279061	1.6611	1.539896	0.84905	-0.05894	-1.09116	-2.01371	-3.0369	-3.77921	-4.25392	-5.0981	-5.087	-5.12021	-5.02626	-4.84496	-4.75195	-4.89246	-5.41531	-6.448	-7.93831	-9.22535	-10.4665	-11.61885	-12.4515	-13.6968	-14.7716	-15.79769	-16.7162	-17.528	
60	4.827026	1.861666	2.177512	2.150585	2.836987	3.182997	3.045002	2.632712	2.379688	1.352577	0.674379	1.78374	1.265739	0.90505	0.859422	0.873812	0.783519	0.622777	0.394952	-0.0835	-0.4275	-0.91889	-1.6724	-2.5808	-3.6736	-4.4664	-5.0655	-5.4463	-5.69289	-5.9700	-6.2039	-6.3773	-6.4859	-6.735	-7.235	
65	4.827026	1.77013	2.080828	2.43117	2.829207	3.279936	3.706718	3.99405	4.04535	3.859952	3.490262	2.786079	1.683895	1.683899	1.299449	1.12384	0.73139	0.47084	0.628796	0.272285	-0.1658	-0.64648	-1.41056	-2.6483	-3.15567	-3.97961	-4.68743	-5.29448	-5.8433	-6.21457	-6.49654	-6.71794	-6.8459	-7.1457	-8.048	
70	4.827026	1.71303	1.96785	2.26096	2.713527	3.21745	3.6811	3.986979	4.02106	3.859925	3.379026	2.866187	2.265691	1.70436	1.22288	0.802591	0.398901	0.07456	-0.3137	-1.20532	-2.63684	-4.28904	-6.4423	-8.38403	-10.375	-13.3873	-16.3873	-19.4378	-21.9334	-23.1477	-23.198	-23.5499	-23.7088	-23.9743		
75	4.827026	1.648646	1.855292	2.059686	2.258125	2.973234	3.453594	3.870134	3.781576	3.656509	3.34017	2.928156	2.486502	2.041872	1.58607	1.088214	0.55199	-0.16025	-0.9147	-1.70118	-2.46923	-3.30483	-4.94014	-7.4467	-9.5007	-11.8679	-15.319	-18.7009	-21.939	-24.905	-26.9025	-27.7991	-28.4387	-29.1047		
80	4.827026	1.576845	1.685809	1.82734	2.138028	2.557647	2.973147	3.263536	3.378781	3.324254	3.180821	2.929637	2.586843	2.173674	2.003908	1.59294	1.115248	0.65949	-0.02639	-0.93639	-1.3074	-2.09885	-3.1407	-4.56327	-5.63076	-6.73398	-8.02601	-9.3088	-10.8218	-13.3878	-16.1526	-17.7895	-19.2328	-20.6893		
85	4.827026	1.498792	1.469168	1.490616	1.616044	1.944868	2.288548	2.564525	2.755447	2.821284	2.677392	2.487392	2.181771	2.071697	2.06763	2.449172	1.91375	1.883056	1.530279	1.184908	0.687588	0.277983	-0.31883	-1.16197	-2.35028	-3.78201	-5.41866	-6.3312	-6.9373	-7.15229	-6.8303	-6.95555	-8.14068	-9.70753	-12.1629	-16.411
90	4.827026	1.415583	1.246745	1.08475	1.034547	1.144288	1.278252	1.614714	1.861241	2.11105	2.267763	2.343857	2.32415	2.2063	2.06157	1.774325	1.497137	1.203639	0.902457	0.608506	0.49509	0.3144	0.02543	-0.18364	-1.2466	-2.76721	-4.24104	-5.99888	-7.68378	-9.38353	-10.69179	-11.59462	-12.6157	-13.6747	-15.007	
95	4.827026	1.328502	1.006033	0.61486	0.28151	0.126777	0.173346	0.51128	0.888902	1.21037	1.39492	1.39718	1.224867	0.910378	0.495079	0.016689	-0.4804	-0.9711	-1.32753	-1.45181	-1.32678	-1.0788	-0.95348	-1.12042	-1.71384	-2.76745	-4.18466	-5.70549	-7.03265	-8.06253	-9.11244	-9.9316	-10.5978	-11.2316	-14.458	
100	4.827026	1.239003	0.74622	0.086601	-0.26127	-1.12175	-1.21736	-0.58184	-0.15699	-0.31031	-0.47826	-0.36616	-0.03432	-0.44	-0.99171	-1.6068	-2.4859	-2.97201	-3.42784	-3.62401	-3.30237	-2.77686	-2.38954	-2.26375	-2.82305	-3.70559	-4.97434	-5.81535	-6.71891	-8.0314	-9.4661	-10.8884	-12.5809	-14.9135	-18.3508	
105	4.827026	1.148677	0.73148	-0.04098	-1.64668	-2.62303	-2.75485	-1.96188	-0.95388	-0.2775	-0.03955	-0.14779	-0.4233	-0.70463	-0.90307	-1.1421	-1.1855	-1.77211	-2.13451	-2.38244	-2.4518	-2.24349	-2.546	-3.00838	-3.93089	-5.13213	-6.03195	-6.24156	-6.45721	-7.48303	-9.4374	-10.7956	-12.0012	-13.9461	-14.6425	
110	4.827026	1.059217	0.19685	-1.10267	-2.87176	-4.40327	-4.25465	-2.46897	-1.26311	-0.3301	0.049197	0.04233	-0.0627	-0.08087	-0.04083	0.11231	0.13835	0.0412	-0.14842	-0.3817	-0.63628	-0.9737	-1.55363	-2.60832	-3.41567	-4.68109	-5.74327	-6.67735	-6.60628	-7.6851	-9.0927	-11.2293	-10.4045	-9.2873	-10.2094	
115	4.827026	0.97237	-0.07703	-1.71388	-4.1116	-6.49404	-5.8964	-3.20405	-1.1130	0.022892	0.437381	0.0401	0.313612	0.037057	0.04321	0.151397	0.57932	0.50213	0.43635	0.25222	0.02049	0.34558	-0.10248	-2.242	-4.66217	-7.39515	-8.78262	-8.64596	-5.644	-6.17694	-8.58548	-11.5432	-10.7193	-9.2476	-9.7933	
120	4.827026	0.889883	-0.34061	-2.35526	-5.5018	-8.92673	-6.9543	-1.6846	-0.79862	0.10784	0.71932	0.57529	0.24593	-0.04602	-0.29885	-0.27516	-0.334	-0.37456	-0.4172	-0.58595	-0.78353	-0.99767	-1.61459	-2.949	-5.2883	-8.6368	-9.32963	-6.72402	-5.7203	-7.772	-8.85251	-11.9429	-11.2101	-9.2469	-9.7832	
125	4.827026	0.813454	-0.85889	-2.9465	-6.29831	-11.084	-7.64304	-2.99548	-0.57702	0.52416	0.710136	0.30483	-0.40918	-1.17573	-1.81808	-2.26688	-2.5454	-2.71211	-2.80836	-2.8887	-2.8919	-3.00791	-3.40083	-4.60825	-7.2593	-10.598	-9.68034	-6.49409	-5.0757	-5.65517	-8.44965	-12.5949	-11.4927	-9.2059		
130	4.827026	0.74668	-0.85815	-3.4761	-8.2844	-14.5532	-7.53343	-2.8599	-0.57129	0.64316	0.41026	-0.30483	-0.4869	-1.28624	-2.2671	-3.5374	-3.04865	-3.6149	-3.8581	-4.12757	-5.8076	-6.9378	-7.573	-7.60289	-9.95683	-12.4834	-9.168	-6.3603	-5.1061	-5.854	-8.9197	-11.8478	-10.2059			
135	4.827026	0.64949	-0.9358	-3.9877	-9.0573	-15.7878	-8.2517	-3.2517	-0.57129	0.64316	0.41026	-0.30483	-0.4869	-1.28624	-2.2671	-3.5374	-3.04865	-3.6149	-3.8581	-4.12757	-5.8076	-6.9378	-7.573	-7.60289	-9.95683	-12.4834	-9.168	-6.3603	-5.1061	-5.854	-8.9197	-11.8478	-10.2059			
140	4.827026	0.54586	-1.0886</																																	

Raw data – ANT11 (2.45GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175			
0	1.000299	1.57043	1.192919	0.384215	-0.09344	0.307843	1.22866	2.093614	2.661874	2.888642	2.764897	2.289214	1.380501	0.11661	-1.41757	-3.00349	-4.37741	-5.38834	-6.01774	-6.23317	-6.02226	-5.58354	-5.26367	-5.3454	-6.00289	-7.39684	-9.80307	-13.6239	-16.9857	-13.7474	-10.0645	-7.93368	-7.14814	-7.73769	-10.0902	-15.3944			
5	1.000299	1.564028	1.244688	0.508491	0.031354	0.346021	1.278944	2.261161	2.991728	3.377252	3.384868	2.997708	2.166596	0.902558	-0.46988	-2.35772	-3.91753	-5.00054	-5.69778	-6.04266	-5.69698	-4.84549	-4.22666	-3.82898	-4.54967	-7.84119	-11.8175	-18.2898	-15.3378	-10.5712	-8.18197	-7.1523	-7.1008	-8.0667	-10.6070	-15.8419			
10	1.000299	1.557610	1.306546	0.647025	0.140428	0.346021	1.199708	2.205951	3.008032	3.471563	3.541364	3.191728	2.409173	1.204436	-0.36542	-2.14173	-3.78893	-4.87331	-5.03443	-4.03291	-3.48221	-2.88201	-2.40044	-2.00471	-2.58463	-5.82659	-10.0171	-15.5399	-10.4044	-6.46106	-4.68523	-7.14469	-8.59084	-1.12445	-16.337				
15	1.000299	1.549641	1.375164	0.812935	0.300341	0.3287	0.975452	0.554534	2.632537	3.089781	3.165966	2.835993	2.153144	0.901128	-0.51748	-2.04174	-3.50173	-4.43385	-4.57903	-3.20148	-2.37867	-1.93506	-1.93231	-1.93699	-2.00402	-5.0432	-13.6173	-10.4057	-7.12754	-5.47618	-5.19114	-5.91651	-7.31765	-9.22219	-11.994	-16.8605			
20	1.000299	1.538883	1.447375	1.00002	0.509074	0.347626	0.672713	1.283129	1.865122	2.210891	2.232812	1.916201	1.283075	0.375168	-0.75699	-2.02557	-3.26196	-4.20807	-4.67596	-4.76365	-4.7002	-5.07825	-5.88448	-7.44484	-9.92567	-12.2313	-10.587	-7.30033	-5.10438	-4.19536	-4.44151	-5.67849	-7.63432	-9.97631	-12.8312	-17.3814			
25	1.000299	1.52482	1.519256	1.203794	0.759929	0.480368	0.449194	0.631904	0.843877	0.918611	0.778401	0.4244	-0.10571	-0.7984	-1.06106	-2.05729	-3.69723	-5.08781	-6.01139	-7.07858	-8.20184	-9.60986	-11.17	-13.3568	-13.2140	-10.5332	-7.60688	-5.38818	-4.04827	-3.64358	-4.21325	-5.74838	-8.03616	-10.7948	-13.6992	-17.8552			
30	1.000299	1.506141	1.58615	1.416132	1.111321	0.786361	0.510482	0.273281	0.001463	-0.37623	-0.86921	-1.41923	-1.96164	-2.50774	-3.14622	-4.00151	-5.1624	-6.69275	-8.69106	-11.4142	-15.5327	-21.6173	-28.4567	-12.7712	-9.26382	-7.03667	-5.51199	-4.45727	-3.83352	-3.77445	-4.4754	-6.08506	-8.57794	-11.5389	-14.5886	-18.226			
35	1.000299	1.481693	1.64279	1.62518	1.485948	1.264226	0.967403	0.58207	0.018541	-0.71503	-1.60715	-2.5584	-3.4407	-4.2717	-5.10486	-6.09156	-7.2859	-8.6451	-9.9252	-11.0456	-12.9809	-13.8889	-17.5962	-16.9555	-11.2501	-8.4576	-6.44156	-4.44709	-4.55065	-5.12501	-6.53663	-8.92799	-11.977	-14.9504	-18.4379				
40	1.000299	1.450343	1.683502	1.816127	1.869524	1.845739	1.726299	1.47484	1.04417	0.39301	-0.49026	-1.58992	-2.85482	-4.24717	-5.71988	-7.13746	-8.71758	-9.37961	-7.47428	-6.60729	-5.41773	-4.4006	-3.64474	-3.19902	-3.11994	-3.49411	-4.32595	-5.33325	-5.8794	-5.80123	-5.86665	-6.80377	-8.88855	-11.8934	-15.0121	-18.454			
45	1.000299	1.411026	1.702478	1.972614	2.220824	2.43119	2.573096	2.601436	2.46704	2.069505	1.460804	0.554534	-0.64738	-1.21798	-3.78841	-5.25723	-6.68571	-7.79303	-8.57802	-7.41139	-6.02345	-4.80819	-3.25842	-2.80819	-2.25542	-2.61197	-3.54149	-5.10661	-6.96257	-7.69578	-6.84409	-6.13174	-6.56688	-8.3586	-11.288	-14.6279	-18.2721		
50	1.000299	1.362797	1.69408	2.078294	2.4996	2.928562	3.181776	3.606822	3.722264	3.60233	3.202655	2.501383	1.50008	0.229939	-1.23207	-2.71702	-3.93947	-4.56921	-4.48501	-3.9151	-3.2012	-2.66479	-2.39097	-2.48273	-3.03551	-4.18994	-6.03452	-7.99297	-8.08764	-6.5321	-5.51877	-5.80428	-7.48013	-10.3859	-13.9391	-17.9263			
55	1.000299	1.304881	1.653159	2.118177	2.671737	3.270784	3.849266	4.323167	4.610587	4.649188	4.402761	3.861577	3.04291	1.95387	0.807161	-0.54414	-1.43414	-2.58218	-2.6739	-2.59208	-2.49758	-2.5143	-2.7522	-3.32135	-4.32305	-5.68043	-6.66751	-8.2264	-5.0183	-4.36566	-4.82354	-6.53712	-9.43062	-13.3139	-17.471				
60	1.000299	1.236719	1.57534	2.079557	2.710977	3.414944	4.107948	4.689155	5.071452	5.195941	5.037446	4.599542	3.914548	3.04661	2.09231	1.171321	0.386937	-0.22103	-0.64466	-0.96394	-1.23906	-1.51301	-1.82283	-2.21507	-2.75172	-3.46337	-4.20723	-4.54019	-4.14414	-3.47437	-3.26178	-3.94939	-5.73051	-8.61042	-12.3449	-16.9625			
65	1.000299	1.158016	1.45728	1.952546	2.598517	3.335458	4.069976	4.690869	5.105567	5.252923	5.13408	4.743379	4.13073	3.371416	2.568536	1.831978	1.237875	0.793033	0.243162	0.11056	-0.25209	-0.65038	-1.08284	-1.57032	-2.08278	-2.61884	-3.05214	-3.1493	-2.8458	-2.47906	-2.53517	-3.36838	-5.16981	-7.97446	-11.6539	-16.4464			
70	1.000299	1.068768	1.296875	1.730365	2.321954	3.018079	3.727164	4.332744	4.736266	4.880454	4.748454	4.357367	3.756392	3.027356	2.27702	1.613656	1.09757	0.71589	0.399033	0.056969	-0.34279	-0.79577	-1.26793	-1.73316	-2.18089	-2.57704	-2.81382	-2.75543	-2.43643	-2.15739	-2.30244	-3.16314	-4.90374	-7.55978	-11.0916	-15.9543			
75	1.000299	0.969298	1.093431	1.40955	1.874564	2.457048	3.083742	3.638983	4.014255	4.14201	3.998754	3.59838	2.989423	2.25479	1.53003	0.838916	0.431743	-0.08408	-0.44964	-0.87563	-1.38745	-1.85795	-2.34925	-2.77134	-3.12167	-3.38209	-3.46332	-3.26302	-2.84768	-2.51046	-2.59978	-3.37026	-4.95315	-7.37173	-10.6666	-15.5058			
80	1.000299	0.860266	0.847796	0.990274	1.255615	1.656382	2.16249	2.66738	3.045264	3.208188	3.11194	2.785885	2.251896	1.597266	0.917194	0.310741	0.17965	-0.58097	-0.96963	-1.42076	-1.96047	-2.54688	-3.10063	-3.57269	-3.97359	-4.31008	-4.49418	-4.3711	-3.94421	-3.50739	-3.44333	-4.0144	-5.32976	-7.40566	-10.3752	-15.1114			
85	1.000299	0.742674	0.562464	0.476912	0.472415	0.637233	1.024643	1.544128	2.028811	2.348106	2.44269	2.310062	1.986696	1.535629	1.045413	0.587194	0.294903	-0.11117	-0.44136	-0.77322	-1.18926	-1.70516	-2.22027	-2.85827	-3.48579	-4.18311	-4.89511	-5.38583	-5.39432	-5.05456	-4.84101	-5.12528	-6.04609	-7.65215	-10.7075	-14.7754			
90	1.000299	0.617861	0.241636	-0.12101	-0.4549	-0.54503	-0.19299	0.501163	1.250815	1.841288	2.186642	2.240119	2.153256	1.86054	1.471834	1.066459	0.706709	0.418905	0.181578	-0.04628	-0.33044	-0.7125	-1.18302	-1.73992	-2.40876	-3.25492	-4.32679	-5.52656	-6.48726	-6.83449	-6.75324	-6.74578	-7.12172	-8.08936	-10.1502	-14.4794			
95	1.000299	0.487477	-0.10877	-0.78747	-1.48468	-1.77197	-1.24646	-0.16655	0.928094	1.767224	2.265903	2.498417	2.338666	2.047742	1.586052	1.062643	0.624304	0.17814	-0.05491	-0.28482	-0.74779	-1.22204	-1.84135	-2.43935	-3.24075	-4.24873	-5.36615	-6.49086	-6.58791	-6.07682	-8.91944	-9.29461	-8.58898	-8.72715	-10.8177	-14.7286			
100	1.000299	0.353453	-0.48121	-1.49832	-2.54142	-2.83904	-1.85308	-0.30583	1.041165	1.959343	2.454224	2.581329	2.395734	1.975894	1.317467	0.584534	-0.13539	-0.73509	-1.15118	-1.33321	-1.55338	-1.69481	-1.85982	-2.06439	-2.34908	-2.70155	-3.48727	-4.53058	-6.02596	-8.08243	-10.4921	-11.6353	-10.4994	-9.51417	-10.303	-14.1147			
105	1.000299	0.217952	-0.86671	-2.22006	-3.50674	-3.50355	-1.80589	-0.405205	1.345246	2.203803	2.599868	2.601258	2.326257	1.951831	1.064168	0.221075	-0.58823	-1.28004	-1.75093	-2.13356	-2.59229	-2.94726	-3.29138	-3.72918	-4.23918	-4.92146	-5.98277	-7.31918	-9.23918	-11.2506	-13.5683	-15.48423	-17.261	-10.4961	-14.3692	-12.9279	-10.423	-14.7778	-14.0011
110	1.000299	0.083321	-1.25526	-2.91029	-4.2339	-3.64421	-1.58404	0.329214	1.623054	2.347676	2.628938	2.596442	2.233739	1.716928	1.068808	0.39023	-0.22595	-0.73467	-1.12759	-1.4411	-1.74199	-2.10399	-2.58905	-3.20175	-3.93711	-4.62301	-5.49243	-6.53955	-5.2763	-6.44752	-9.43834	-15.483	-15.9416	-11.3983	-10.9593	-13.9349			
115	1.000299	-0.047978	-1.6364	-3.52202	-4.406	-3.36074	-1.12967	0.644562	1.745554	2.303523	2.472137	2.36365	2.05254	1.603548	1.032433	0.0684	-0.23585	-0.96674	-1.32711	-1.65418	-2.08161	-2.39802	-2.88042	-3.5802	-4.37191	-5.26924	-6.28806	-6.04455	-5.44467	-9.50049	-13.32764	-14.4236	-13.9327	-12.3392	-10.932	-13.9127			
120	1.000299	-0.17343	-2.00094	-4.01292	-4.60623	-2.85597	-0.70281	0.815656	1.901281	2.071781	2.043333	1.851631	1.502339	1.048098	0.564071	0.136616	-0.05752	-0.73791	-1.09861	-1.76105	-2.86223	-4.57612	-6.88306	-8.49454	-9.50382	-10.93078	-11.69552	-7.54772	-12.8832	-12.8832	-21.4941	-13.2013	-11.1766	-13.9313					
125	1.000299	-0.24053	-2.37275	-4.35774	-4.32203	-2.28463	-0.34833	0.848915	1.901287	1.478535	1.274951	0.884907	0.34467	0.15099	-1.845	-1.95891	-1.89335	-1.78021	-1.76387	-1.97543	-2.54257	-3.63277	-5.52471	-8.52022	-11.2508	-13.3989	-16.63737	-5.77594	-7.13928	-11.7094	-20.4968	-13.8175	-11.4137	-13.988					
130	1.000299	-0.36384	-2.64109	-4.5575	-3.87967	-1.71959	-0.96249	0.841796	1.005445	0.739698	0.181521	-0.59324	-1.52728	-2.70727	-3.8002	-4.83392	-5.3192	-5.26108	-4.81124	-4.24032	-3.92509	-3.73904	-4.11033	-5.10204	-6.05														

Raw data – ANT11 (2.5GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
0	1.285077	2.079846	2.057486	1.334157	0.330704	-0.059943	0.696223	1.94735	2.985989	3.57009	3.676581	3.339899	2.612284	1.571184	0.33496	0.94534	-2.13457	-3.15709	-3.96941	-4.50983	-4.75155	-4.82752	-5.01856	-5.04196	-6.85785	-9.0039	-12.3702	-16.0135	-14.3308	-10.6941	-8.28427	-6.98237	-6.67166	-7.4896	-9.82821	-14.5922
5	1.285077	2.025973	2.053475	1.48881	0.17146	0.485018	1.208811	2.383445	3.406615	4.018753	4.170013	3.875731	3.174046	2.136139	0.880994	0.491987	-1.5832	-2.48738	-3.06263	-3.62074	-3.52285	-3.56962	-3.82246	-4.57569	-6.10823	-9.15504	-14.8724	-20.3214	-12.9881	-9.29975	-7.58972	-7.03298	-7.22517	-8.2489	-10.3557	-15.0913
10	1.285077	1.967399	2.0531	1.659231	1.124779	0.351292	1.636305	2.655562	3.581058	4.156992	4.304604	4.070743	3.331467	2.136139	0.880994	0.491987	-1.48719	-2.48738	-3.06263	-3.62074	-3.52285	-3.56962	-3.82246	-4.57569	-6.10823	-9.15504	-14.8724	-20.3214	-12.9881	-9.29975	-7.58972	-7.03298	-7.22517	-8.2489	-10.3557	-15.0913
15	1.285077	1.905107	2.052395	1.840831	1.535461	1.980403	2.741324	3.454683	3.894958	3.96742	3.653274	2.970029	1.964739	0.721737	0.62384	-1.86389	-2.80584	-3.35259	-3.57715	-3.65825	-3.80866	-4.24887	-5.30013	-6.38518	-8.9226	-9.58158	-17.75498	-25.85513	-15.0265	-10.3854	-8.28537	-7.75498	-8.58553	-10.0523	-12.2966	-16.1869
20	1.285077	1.836149	2.046643	2.01967	1.934776	1.993361	2.284205	2.70854	3.079466	3.249083	3.142394	2.740408	2.095118	1.103116	-0.0647	-1.1745	-2.70025	-3.9067	-4.84343	-5.51428	-6.03774	-5.89564	-7.3311	-8.8019	-9.3514	-9.3753	-7.6127	-5.54643	-4.18066	-3.38884	-4.58602	-6.25658	-8.49088	-10.9278	-13.2101	-16.7337
25	1.285077	1.762095	2.003736	2.182972	2.308739	2.458148	2.641693	2.766644	2.654685	2.41138	1.981276	1.38855	0.645199	-0.23301	-1.27189	-2.49665	-3.81387	-5.06007	-6.20462	-6.91252	-7.11238	-6.13862	-5.14594	-4.13122	-1.4656	-8.607	-6.22027	-4.46455	-3.4705	-3.355	-4.03778	-6.07048	-8.75318	-11.5831	-14.0022	-17.2316
30	1.285077	1.680377	1.998023	2.317529	2.642114	2.907476	3.022397	2.907513	2.520303	1.87467	1.041333	0.133189	-0.7518	-1.62668	-2.55257	-3.66437	-4.98915	-6.88084	-8.08138	-8.76232	-8.12404	-6.1022	-4.85412	-4.00141	-4.67876	-5.21154	-4.19922	-3.56349	-3.51777	-4.72925	-6.00765	-8.69589	-11.8476	-14.5924	-17.6349	
35	1.285077	1.590883	1.943787	2.410062	2.915731	3.323798	3.504215	3.38297	2.95802	1.819444	1.221537	0.150817	-0.91151	-1.91787	-2.8997	-4.05314	-5.64577	-6.72389	-6.79398	-5.19629	-4.69593	-4.89042	-4.50714	-4.6228	-6.1006	-6.37581	-4.82232	-4.63835	-3.98559	-4.81823	-11.662	-14.7796	-17.9098			
40	1.285077	1.493023	1.86213	2.44761	3.11457	3.674818	4.000147	4.039609	3.782591	3.266537	2.532016	1.628193	0.595932	-0.5126	-1.65342	-2.97304	-3.5996	-4.08205	-4.06803	-3.64659	-3.09111	-2.55104	-2.26528	-2.27435	-2.67171	-3.38897	-4.49314	-5.50628	-5.68322	-5.18576	-5.02425	-5.86651	-7.9506	-11.1347	-14.6032	-18.0264
45	1.285077	1.386385	1.748037	2.417971	3.213151	3.920994	4.422427	4.684177	4.708621	4.503405	4.06925	3.404285	2.516585	1.939852	0.251419	-0.9122	-1.86033	-2.40125	-2.47015	-2.17897	-1.42477	-1.03073	-0.60046	-0.6313	-1.269	-6.69088	-5.74928	-5.08077	-5.54987	-7.73717	-10.4595	-14.1632	-17.9874			
50	1.285077	1.270796	1.597317	2.31022	3.192926	4.021309	4.687717	5.161394	5.429018	5.468458	5.252324	4.763567	4.007939	3.025222	1.895042	0.742655	-0.27319	-1.0021	-1.37285	-1.44201	-1.36509	-1.29641	-1.34607	-1.59473	-2.14132	-3.11262	-4.5485	-5.98984	-6.23818	-5.30477	-4.64427	-5.06479	-6.79442	-9.79264	-13.6013	-17.8175
55	1.285077	1.146375	1.406926	2.11533	3.033999	3.942584	4.732732	5.365316	5.801179	5.99306	5.900608	5.134657	4.86769	3.985376	2.963056	1.920814	0.932139	-0.43679	-0.40019	-0.81904	-1.03672	-1.34005	-1.55495	-1.87925	-2.34027	-3.03374	-3.93691	-4.68917	-4.72534	-4.19738	-3.97363	-4.55714	-6.32033	-9.2477	-13.0413	-17.556
60	1.285077	1.013579	1.175289	1.826957	2.728367	3.65842	4.51635	5.242667	5.770551	6.036626	6.003844	5.671139	5.072116	4.270234	3.352857	2.419878	1.562164	0.834697	0.246035	-0.2344	-0.65666	-1.06235	-1.46694	-1.87113	-2.28974	-2.74191	-3.1787	-3.43058	-3.36553	-3.17891	-3.3221	-4.19707	-6.03665	-8.87864	-12.5524	-17.2443
65	1.285077	0.873236	0.906258	1.442513	2.262143	3.154012	4.019036	4.776335	5.331255	5.606707	5.569338	5.232006	4.645118	3.886066	3.047536	2.22106	1.474801	0.837061	0.300225	-0.1624	-0.58522	-1.003	-1.43846	-1.88962	-2.32285	-2.67156	-2.8523	-2.82449	-2.6784	-2.65402	-3.04983	-4.11866	-6.00768	-8.71413	-12.1686	-16.9179
70	1.285077	0.726565	0.591473	0.964744	1.639411	2.432005	3.249246	3.988228	4.527443	4.767027	4.684532	4.303167	3.68983	2.936043	2.140022	1.385417	0.720529	0.15136	-0.34153	-0.78705	-1.17348	-1.55348	-1.95793	-2.4109	-2.86987	-3.2015	-3.257	-3.04116	-2.7741	-2.76017	-3.25483	-4.41694	-6.28381	-8.76746	-11.9007	-16.6031
75	1.285077	0.57517	0.246715	0.404001	0.879334	1.527291	2.266502	2.969747	3.479174	3.686792	3.564315	3.149254	2.522087	1.784869	1.039007	0.361181	-0.21656	-0.70963	-1.15784	-1.58972	-2.00671	-2.40748	-2.82329	-3.30385	-3.83839	-4.27381	-4.36691	-4.0623	-3.65303	-3.54416	-4.01614	-5.16956	-6.91146	-9.02423	-11.746	-16.317
80	1.285077	0.421017	-0.1238	-0.21872	0.030014	0.535305	1.227964	1.941165	2.475708	2.711176	2.629018	2.275619	1.735585	1.106255	0.481327	0.006694	-0.51159	-0.87439	-1.21829	-1.64044	-2.05452	-2.51904	-3.08379	-3.68954	-4.40925	-5.16726	-5.67354	-5.63246	-5.22812	-5.01347	-5.3982	-6.46186	-7.94311	-9.53401	-11.6933	-16.0701
85	1.285077	0.262388	-0.30608	-0.86853	-0.81679	-0.35593	0.42432	1.265033	1.915958	2.262097	2.301726	2.088455	1.693526	1.09255	0.391397	0.199939	-0.16857	-0.44149	-0.68294	-0.98146	-1.39922	-1.91895	-2.52424	-3.2108	-4.04092	-5.00898	-6.18584	-6.96723	-7.1073	-7.0477	-7.43991	-8.41126	-9.44731	-10.2242	-11.7257	-15.8676
90	1.285077	0.113801	-0.89628	-1.49508	-1.5222	-0.89121	0.501426	1.225544	2.007357	2.437674	2.545155	2.388882	2.027702	1.533538	0.957315	0.142494	-0.02852	-0.3378	-0.56516	-0.8054	-1.15402	-1.62393	-2.18247	-2.80194	-3.53181	-4.49074	-5.75305	-7.15636	-8.27351	-9.02858	-9.97084	-11.1712	-11.513	-11.0715	-11.8226	-15.7114
95	1.285077	-0.03408	-1.26921	-2.03645	-1.93789	-0.90758	0.501426	1.231422	2.533765	2.925359	2.962656	2.575561	2.241311	1.56656	0.927793	0.104294	-0.50652	-0.92725	-1.24859	-1.48594	-2.04588	-2.74588	-3.61724	-4.66368	-5.96025	-7.33374	-8.61256	-9.04551	-9.65016	-11.9218	-14.6796	-14.201	-11.9941	-11.9613	-15.6017	
100	1.285077	-0.17456	-1.61196	-2.43241	-1.98992	-0.48747	1.163649	2.412412	3.136669	3.87708	3.258207	2.832442	2.175995	1.350242	0.403327	0.47864	-1.2922	-1.94342	-2.41646	-2.76551	-3.03994	-3.47441	-4.38918	-4.28594	-4.63567	-5.02443	-5.56609	-6.3057	-7.27637	-8.77912	-11.6273	-16.8995	-17.1512	-12.8548	-12.1192	-15.5375
105	1.285077	-0.30503	-1.90972	-2.64468	-1.73073	0.34809	1.859993	3.022933	3.721518	3.895897	3.060886	-0.02129	-0.89882	-1.67336	-2.72678	-3.24316	-3.65851	-4.10001	-4.66277	-5.29737	-5.90663	-6.37731	-6.62018	-6.6726	-6.83147	-7.67068	-10.0087	-15.0972	-18.3977	-13.4766	-12.768	-15.5176				
110	1.285077	-0.4231	-2.15128	-2.67227	-1.24085	0.761005	2.42572	3.475219	3.808789	3.670051	3.128931	2.757991	1.652743	0.574763	-0.31329	-1.03815	-1.59221	-2.2426	-2.49301	-2.77721	-3.14212	-3.61736	-4.30675	-5.28966	-6.60539	-7.94007	-9.8308	-12.4957	-16.779	-13.7255	-12.4207	-15.541				
115	1.285077	-0.52668	-2.33084	-2.54927	-0.79413	1.289912	2.805736	3.670799	3.765645	3.141247	2.701419	1.987549	0.809995	-0.11088	-0.8768	-1.44121	-2.18548	-2.11551	-2.46757	-2.87154	-3.2139	-3.8074	-4.84263	-6.556	-8.08307	-11.0624	-16.5206	-26.36218	-17.65128	-14.8555	-13.4066	-12.5453	-15.4696			
120	1.285077	-0.61405	-2.32746	-0.31787	1.69413	1.00389	3.562086	3.468845	2.87073	1.93945	0.846639	-0.26396	-1.28306	-2.11863	-2.7842	-3.14127	-4.18174	-3.58469	-3.64283	-3.67442	-3.72259	-4.04053	-4.8513	-6.50133	-9.52431	-13.8395	-12.7352	-8.80301	-9.97819	-72.218	-47.225	-12.8756	-13.2517	-16.6337	-15.7155	
125	1.285077	-0.68393	-2.5112	-2.0578	1.03651	1.986826	3.059092	3.339119	2.948077	2.043905	0.810408	-0.57638	-1.98492	-3.32355	-4.09121	-5.3943	-6.01643	-6.37574	-6.42971	-6.15779	-5.8669	-5.28398	-5.1561	-5.56642	-6.87028	-9.7089	-15.3131	-16.2182	-10.2493	-7.52894	-7.1816	-8.31377	-11.6843	-12.8166	-12.7554	-15.8674
130	1.285077	-0.73546	-2.52815	-1.78058	0.462582	2.200401	3.028984	3.010285	2.720391	0.96847	0.71067	-2.92521	-4.54592	-8.38871	-9.90459	-11.8017	-11.6541	-10.3045	-9.09589	-7.5797	-6.6867	-5.72688	-5.75959	-7.75952	-14.596	-18.3459	-11.8079	-8.34438	-7.4457	-5.81895	-10.8941	-12.4113	-12.8642	-16.064		
135	1.285077	-0.76815	-2.51161	-1.52411	0.762587	2.727345	2.987401	2.68095																												

Raw data – ANT11 (5.15GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175		
0	-3.74056	-2.56066	-0.36917	-0.59421	-5.11776	-11.044	-4.83403	-4.76644	4.52728	-1.54219	0.293881	-1.57394	-4.62	-3.90724	-2.12085	-0.7651	-0.02328	-0.50153	-1.95683	-3.1964	-4.00821	-5.51126	-6.9874	-7.22936	-8.02775	-5.72748	-5.53558	-5.76525	-6.98441	-5.59816	-7.74411	-11.5334	-10.1617	-11.764	-11.173	-14.9817		
5	-3.74056	-2.81527	-0.80659	-0.77614	-4.04223	-9.48481	-5.97533	-5.1204	4.52728	-1.54219	0.293881	-1.57394	-4.62	-3.90724	-2.12085	-0.7651	-0.02328	-0.50153	-1.95683	-3.1964	-4.00821	-5.51126	-6.9874	-7.22936	-8.02775	-5.72748	-5.53558	-5.76525	-6.98441	-5.59816	-7.74411	-11.5334	-10.1617	-11.764	-11.173	-14.9817		
10	-3.74056	-3.07993	-1.1328	-1.07141	-2.96512	-5.76125	-5.43114	-4.67739	4.52728	-1.54219	0.293881	-1.57394	-4.62	-3.90724	-2.12085	-0.7651	-0.02328	-0.50153	-1.95683	-3.1964	-4.00821	-5.51126	-6.9874	-7.22936	-8.02775	-5.72748	-5.53558	-5.76525	-6.98441	-5.59816	-7.74411	-11.5334	-10.1617	-11.764	-11.173	-14.9817		
15	-3.74056	-3.34314	-1.91447	-1.47764	-2.10545	-3.01587	-3.52791	-3.54458	2.66135	-1.02153	-0.65132	-2.37309	-3.4658	-1.79681	0.29662	0.342085	-0.26849	-0.85535	-1.66059	-3.45242	-6.39968	-9.10829	-10.721	-6.61079	-6.37333	-5.4027	-6.112	-7.48519	-6.37333	-5.4027	-6.112	-7.48519	-6.37333	-5.4027	-6.112	-7.48519	-6.37333	-5.4027
20	-3.74056	-3.59119	-2.52899	-1.99121	-1.58253	-1.24646	-1.48031	-1.84718	-1.20983	-0.12348	-0.15102	-1.51779	-1.73283	-0.26059	1.690766	1.796675	0.99375	-0.17808	-1.4396	-2.93851	-4.1758	-5.28202	-6.0804	-6.25896	-7.12002	-7.40977	-7.40533	-6.75504	-6.98717	-8.79273	-10.5387	-13.2065	-21.8127	-15.6003	-13.2615	-13.8001		
25	-3.74056	-3.80952	-3.11269	-2.57453	-1.46664	-0.72015	-0.86291	-0.33209	-0.22545	0.626754	0.812897	-0.26041	-0.25697	-0.4834	-0.82944	-1.61294	-2.85551	-4.27448	-5.88974	-5.77998	-6.08652	-6.12606	-7.10276	-7.49955	-6.50727	-6.23885	-7.33171	-8.73556	-11.328	-16.7904	-25.4228	-13.3251	-13.3761	-13.3761	-13.3761			
30	-3.74056	-3.98442	-3.58923	-3.1614	-1.7116	-0.01447	0.820197	0.549252	0.025447	0.533982	1.070302	-0.43774	-0.70378	-1.84551	-2.54878	-3.16387	-3.85584	-4.41066	-4.88095	-5.55447	-6.65303	-8.18362	-9.43695	-8.65482	-6.84138	-5.96295	-6.21642	-6.73863	-7.45019	-8.28338	-8.84835	-10.6852	-14.6472	-15.2885	-13.8247	-12.9036		
35	-3.74056	-4.10527	-3.88556	-3.64366	-2.36076	-0.49558	0.717468	0.539438	-0.75387	-0.297	-0.58748	-0.28945	-0.78563	-0.58785	0.199479	-0.424251	-1.1386	-3.5546	-4.84211	-5.53066	-6.53045	-8.25698	-9.43695	-8.65482	-6.84138	-5.96295	-6.21642	-6.73863	-7.45019	-8.28338	-8.84835	-10.6852	-14.6472	-15.2885	-13.8247	-12.9036		
40	-3.74056	-4.16634	-3.9649	-3.90064	-3.31983	-1.8058	-0.42585	-0.51073	-2.48555	-4.97671	-4.79194	-2.60983	-0.28593	1.25807	1.880168	1.732198	1.91927	-4.40141	-2.11951	-4.06419	-5.52147	-8.20256	-9.43695	-8.65482	-6.84138	-5.96295	-6.21642	-6.73863	-7.45019	-8.28338	-8.84835	-10.6852	-14.6472	-15.2885	-13.8247	-12.9036		
45	-3.74056	-4.1678	-3.84788	-3.8956	-3.48531	-4.08795	-2.88595	-2.52047	-3.27347	-3.91726	-2.74458	-0.19934	2.04849	1.327711	2.25599	3.501978	2.936229	1.200136	-2.22352	-1.65441	-3.67787	-4.38246	-5.53066	-6.53045	-8.25698	-9.43695	-8.65482	-6.84138	-5.96295	-6.21642	-6.73863	-7.45019	-8.28338	-8.84835	-10.6852	-14.6472	-15.2885	
50	-3.74056	-4.11152	-3.60019	-3.66399	-5.15352	-7.12453	-6.63596	-3.94709	-1.12815	0.833772	2.193565	3.479572	4.577327	5.050745	4.832638	4.171832	3.21216	1.847532	0.08422	-1.59588	-2.94051	-4.27371	-5.2507	-5.35996	-5.46486	-6.14103	-6.98683	-7.08859	-6.3256	-6.06862	-7.3294	-10.6892	-15.9273	-15.3059	-12.3205	-10.8742		
55	-3.74056	-4.0826	-3.29928	-3.32861	-5.19813	-8.15966	-7.32366	-2.59661	1.17443	2.333946	4.150928	4.584283	4.772133	4.532954	3.863681	2.703105	1.62161	0.541499	-1.16655	-3.00630	-4.54108	-5.2507	-5.35996	-5.46486	-6.14103	-6.98683	-7.08859	-6.3256	-6.06862	-7.3294	-10.6892	-15.9273	-15.3059	-12.3205	-10.8742			
60	-3.74056	-3.88783	-3.00748	-3.00098	-4.5303	-5.47269	-3.5795	-0.45105	2.183857	3.5094	3.711734	3.358997	2.854073	2.22559	1.436814	0.621373	-0.12399	-0.86736	-1.70203	-2.66716	-3.48788	-4.06097	-4.57108	-4.97658	-4.9631	-4.77041	-5.1474	-6.58243	-8.56259	-9.22127	-9.31053	-10.919	-12.9692	-12.0644	-10.6626	-9.98726		
65	-3.74056	-3.73516	-2.76242	-2.74923	-3.55995	-2.72085	-0.76221	0.844282	1.877966	2.003378	1.420421	1.000489	1.327711	1.22559	1.036461	1.600866	0.658118	-0.64734	-1.97158	-2.94046	-3.48531	-4.57108	-4.97658	-4.9631	-4.77041	-5.1474	-6.58243	-8.56259	-9.22127	-9.31053	-10.919	-12.9692	-12.0644	-10.6626	-9.98726			
70	-3.74056	-3.56958	-2.57862	-2.5976	-2.64106	-0.9078	0.739832	1.1912	0.611666	-0.50151	-0.61227	0.939036	2.424299	3.152161	3.306665	3.10232	2.62326	1.871067	0.687925	-0.67307	-1.98807	-2.78845	-3.05032	-3.29519	-4.05352	-5.2512	-5.7994	-5.8833	-7.30609	-9.79436	-10.1532	-9.84841	-10.1743	-9.97126	-9.54382	-9.29314		
75	-3.74056	-3.39828	-2.45369	-2.53926	-1.93804	0.084677	1.243943	0.795136	-0.73733	-1.33676	0.280069	2.173579	3.364297	3.86344	3.798648	3.203927	2.587129	1.70893	0.087905	-0.73487	-1.40637	-2.307	-2.64243	-2.59854	-2.84986	-4.04673	-5.95531	-7.3947	-9.96552	-11.9036	-10.8117	-10.0378	-9.95025	-9.68932	-9.29297	-9.02605		
80	-3.74056	-3.22623	-2.36844	-2.54824	-1.5028	0.412164	0.961084	-0.05456	-0.98978	0.063481	1.55242	2.505755	3.185658	3.663899	3.654581	3.044669	2.025315	1.873633	-0.34125	-1.68088	-3.0101	-4.09951	-4.78813	-4.88493	-4.64239	-4.99141	-6.35503	-8.18559	-10.4378	-12.9752	-12.5164	-11.1439	-10.4864	-9.905	-9.2554	-8.81098		
85	-3.74056	-3.05659	-2.30167	-2.58701	-1.33853	0.177842	0.050518	-0.88783	0.17445	1.372743	2.118819	2.36609	2.715165	2.890229	2.807712	2.137067	1.247804	0.286265	-0.84355	-2.20084	-3.49367	-4.37482	-5.01195	-5.7357	-6.49495	-7.25615	-8.15142	-8.86944	-10.0921	-12.7563	-14.163	-12.7949	-11.5611	-10.5627	-9.41722	-8.64413		
90	-3.74056	-2.89123	-2.22507	-2.6105	-1.42222	-0.59066	-1.27605	-1.13147	0.829647	2.076132	2.35443	2.490838	2.744413	2.703721	2.271993	1.649193	0.967458	0.193406	-0.83474	-2.12375	-3.32112	-4.30957	-5.38121	-6.77957	-7.41552	-8.56183	-9.21199	-9.84547	-9.61058	-11.0234	-13.5174	-13.4919	-12.5293	-11.5232	-9.74813	-8.51984		
95	-3.74056	-2.73142	-2.11377	-2.56961	-1.70265	-1.71925	-2.63921	-0.69106	1.538432	2.259387	2.277566	2.400201	2.537663	2.595731	2.19429	1.955631	1.185654	0.390593	-0.3303	-1.45545	-2.83224	-4.06525	-5.66523	-6.47088	-7.56623	-8.41909	-6.92211	-10.3288	-10.0444	-10.2096	-12.0499	-12.478	-12.5089	-12.475	-10.1963	-8.43098		
100	-3.74056	-2.57829	-1.95102	-2.41839	-2.08295	-3.24455	-3.50198	-0.00098	1.869494	2.077122	1.809577	1.673884	1.614673	1.679745	1.604729	1.233882	0.386613	0.573362	0.156285	-0.63577	-1.60788	-2.53821	-3.66591	-5.11275	-5.53866	-6.20086	-6.88025	-11.106	-11.4352	-10.6644	-11.5883	-11.3425	-11.5828	-12.9425	-10.6828	-8.36938		
105	-3.74056	-2.43526	-1.7322	-2.1269	-2.40096	-4.88903	-3.54163	0.61824	1.969468	1.781131	1.57253	1.904256	1.246718	1.559073	1.117274	0.758768	0.619655	0.107822	-0.49137	-1.60644	-2.56624	-3.66591	-5.11275	-5.53866	-6.20086	-6.88025	-11.106	-11.4352	-10.6644	-11.5883	-11.3425	-11.5828	-12.9425	-10.6828	-8.36938			
110	-3.74056	-2.28823	-1.46562	-1.69527	-2.45146	-5.96825	-2.96654	1.075636	1.987806	1.652037	1.301666	1.724737	1.1895227	2.429358	2.193782	1.580646	1.065772	0.889191	0.000397	-1.4347	-2.6223	-3.66591	-5.11275	-5.53866	-6.20086	-6.88025	-11.106	-11.4352	-10.6644	-11.5883	-11.3425	-11.5828	-12.9425	-10.6828	-8.36938			
115	-3.74056	-2.1756	-1.16995	-1.15826	-2.10095	-5.72389	-2.2121	1.299176	1.828753	1.389013	1.135518	1.421419	1.039373	1.068885	1.028612	0.75246	0.626618	0.198216	-0.75246	-1.62693	-2.69929	-3.66591	-5.11275	-5.53866	-6.20086	-6.88025	-11.106	-11.4352	-10.6644	-11.5883	-11.3425	-11.5828	-12.9425	-10.6828	-8.36938			
120	-3.74056	-2.08912	-0.86947	-0.57532	-1.47095	-4.43221	-1.60515	1.172868	1.240763	0.586948	0.50789	1.201853	1.997278	1.787523	0.928783	0.148912	-0.1929	-0.78427	-1.89121	-3.17535	-4.37108	-5.34655	-5.15561	-6.80164	-7.83443	-7.48805	-10.6862	-10.8599	-9.76472	-9.4937	-13.3633	-10.1966	-10.3099	-11.1575	-8.28442			
125	-3.74056	-1.97902	-0.59946	-0.01133	-0.57543	-2.98843	-1.30642	0.616043	0.121088	0.69076	-0.16067	1.192709	2.04495	1.52344	0.93444	0.30452	3.56162	-3.5356	-4.80362	-8.26353	-9.39442	-8.48382	-11.1324	-10.344	-6.92702	-7.98512	-12.4032	-10.5231	-8.95939	-10.7748	-8.18527	-10.7748	-8.18527	-10.7748	-8.18527			
130	-3.74056	-1.91105	-0.35271	0.46861	0.194799	-1.86813	-1.40535	0.34125	1.25846	-1.76492	-0.33348	1.489478	2.31388	1.94576	1.183699	0.784972	0.349104	-0.49746	-1.39434	-2.11396	-3.25248	-3.26051	-3.51488	-7.0533	-7.54328	-9.0084	-8.7876	-11.7096	-10.0748	-8.61206	-7.4747	-10.9879	-10.7526	-5.5664	-10.3019			
135	-3.74056	-1.86699	-0.17769	0.825182	0.773826	-1.1																																

Raw data – ANT11 (5.20GHz)

ThetaPhi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	
0	-5.0676	-5.98829	-5.76549	-5.4144	-5.90023	-6.47405	-6.52595	-6.12889	-5.24887	-4.71677	-4.30325	-3.61431	-3.68627	-4.31104	-4.20481	-3.71362	-4.45036	-5.97399	-6.76974	-7.613	-9.79582	-12.814	-15.4695	-16.6151	-11.7688	-9.34751	-10.2581	-10.7518	-10.0087	-10.9427	-11.8354	-12.7127	-14.3127	-14.2383	-14.292	-14.7584	
5	-5.0676	-6.02703	-5.67947	-4.89901	-4.72331	-4.66025	-4.62864	-4.47544	-4.37008	-4.26825	-4.16547	-4.06271	-3.95978	-3.85694	-3.75418	-3.65142	-3.54866	-3.44590	-3.34315	-3.24039	-3.13763	-3.03487	-2.93211	-2.82935	-2.72659	-2.62383	-2.52107	-2.41831	-2.31555	-2.21279	-2.11003	-2.00727	-1.90451	-1.80175	-1.69899	-1.59623	-1.49347
10	-5.0676	-6.018	-5.44462	-4.18618	-3.49976	-3.35999	-3.39367	-3.50047	-3.57854	-3.47468	-2.91809	-1.87148	-1.37467	-1.67517	-1.63994	-1.38371	-2.23881	-4.006	-5.52033	-6.80261	-9.25086	-12.4303	-14.7286	-13.2663	-10.9598	-8.94629	-10.5722	-10.1548	-8.6981	-9.02443	-12.2936	-14.4722	-17.4981	-17.4523	-16.736	-15.5774	
15	-5.0676	-5.96529	-5.11579	-3.44669	-2.42886	-2.25609	-2.48615	-2.5999	-2.35872	-1.80304	-1.21861	-0.87656	-0.36085	-1.13847	-1.07376	-0.72288	-1.90776	-3.70668	-5.83362	-7.13071	-11.3684	-14.9216	-13.1463	-10.593	-9.28518	-10.5377	-10.3623	-9.00676	-9.86359	-11.9165	-14.5353	-18.7493	-19.0777	-17.9817	-15.8378	-14.8804	
20	-5.0676	-5.87581	-4.75355	-2.79312	-1.56932	-1.41347	-1.80509	-1.83117	-1.20377	-0.80085	-0.24243	-0.092758	0.878375	-0.37081	-0.29225	-1.34006	-4.30188	-7.05787	-9.23944	-9.34294	-9.2244	-11.3241	-17.5451	-19.5932	-13.2991	-10.1427	-9.41151	-9.19409	-8.64138	-9.09153	-10.5034	-13.1121	-17.8837	-19.9485	-19.0497	-16.2082	
25	-5.0676	-5.75795	-4.40732	-2.28821	-0.96611	-0.8234	-1.35799	-1.43199	-0.57396	-0.29369	-0.06465	-0.02561	0.0556939	-0.91456	-0.42725	-1.74093	-10.7572	-17.7849	-19.591	-12.0159	-12.3287	-18.2818	-19.7255	-12.7991	-11.4634	-8.56492	-8.10186	-8.12665	-8.19854	-9.0147	-11.2093	-15.7375	-19.5366	-19.7314	-16.1635		
30	-5.0676	-5.62029	-4.10929	-1.95752	-0.62229	-0.51581	-1.27408	-1.71312	-1.30955	-1.30091	-2.268	-1.8344	-1.0741	-0.02033	-0.45488	-2.80252	-4.65617	-10.9499	-12.3492	-13.4269	-11.8493	-10.6105	-12.3542	-15.1977	-14.8373	-12.4042	-8.49412	-7.95034	-8.2362	-7.81998	-8.06651	-9.89765	-13.7684	-18.2629	-19.8798	-16.6216	
35	-5.0676	-5.47059	-3.87551	-1.80528	-0.54002	-0.52609	-1.66111	-2.78324	-2.75777	-2.97467	-1.47047	-1.05761	-0.62024	-0.47939	-0.95885	-0.64168	-4.88937	-9.66697	-12.771	-18.3192	-8.3192	-8.49625	-8.96301	-9.95071	-11.5435	-11.9955	-8.82668	-8.50071	-9.98639	-7.9943	-7.70589	-9.07042	-12.3184	-16.7606	-19.7626	-16.7996	
40	-5.0676	-5.31515	-3.7095	-1.8231	-0.71416	-0.85514	-2.45485	-4.03876	-3.23913	-2.30126	-1.40086	-1.072374	-2.549313	-2.039401	-1.86217	-2.51819	-1.299822	-2.2652	-4.74814	-5.42195	-6.47276	-7.71347	-9.51327	-10.5038	-10.1553	-11.0207	-9.13416	-9.12894	-9.74674	-8.36119	-7.74973	-8.71705	-11.3007	-15.4015	-18.8281	-16.8597	
45	-5.0676	-5.15857	-3.60585	-1.9938	-1.12685	-1.42896	-3.22381	-3.71113	-1.05418	-0.589738	-1.431319	-3.017199	-3.995674	-3.274668	-2.393034	-2.560445	-1.400429	-1.92617	-4.4632	-9.8337	-6.33571	-8.33694	-10.1891	-9.71384	-9.56265	-10.436	-9.44554	-9.38465	-8.92782	-8.46739	-7.94283	-8.67462	-10.5566	-14.1394	-17.9781	-16.8604	
50	-5.0676	-5.00385	-3.55313	-2.29241	-1.73947	-2.05927	-3.20422	-1.72391	-1.414999	-2.816302	-3.016823	-3.709838	-4.207716	-3.132203	-1.956563	-1.368922	-1.058657	-3.24758	-5.84466	-5.57254	-7.46171	-10.5033	-11.614	-10.0626	-9.36312	-10.4642	-10.0842	-9.51168	-9.39556	-8.19068	-8.07478	-8.75773	-9.92291	-12.991	-17.1007	-16.814	
55	-5.0676	-4.85265	-3.53621	-2.68633	-2.48414	-2.46242	-2.21492	-0.19309	-2.941055	-3.861688	-3.372983	-3.333875	-3.475298	-2.048716	-1.054021	-0.02658	-1.7018	-4.60193	-5.84105	-5.44609	-7.96175	-12.5078	-12.4294	-10.0205	-9.60129	-10.4635	-11.0336	-9.85672	-9.01635	-7.783	-8.08392	-8.79818	-9.29972	-11.9549	-16.2729	-16.7345	
60	-5.0676	-4.70565	-3.53819	-3.13575	-2.26127	-2.43703	-0.93093	-1.98244	-3.508959	-3.905922	-2.816466	-2.44044	-2.630753	-1.232345	-0.14904	-0.315326	-0.73364	-3.71199	-4.33217	-4.0011	-6.47241	-10.9723	-11.2123	-8.99898	-7.8435	-9.44689	-11.4582	-10.3669	-9.82585	-7.51599	-8.04859	-8.70149	-8.66738	-11.082	-15.5397	-16.6356	
65	-5.0676	-4.56293	-3.54212	-3.59572	-3.95645	-2.06575	-0.100615	-1.888806	-3.30877	-3.262275	-1.931938	-1.991864	-2.692187	-1.736025	-0.983533	-1.586434	-0.631468	-1.99362	-2.72998	-2.60847	-4.88823	-9.02653	-8.77688	-8.09457	-10.9079	-10.7674	-9.1206	-7.52749	-8.07962	-8.47763	-8.0754	-10.3133	-14.9287	-16.5291	-16.6216		
70	-5.0676	-4.42433	-3.53253	-4.02011	-4.4839	-1.56953	-0.715482	-1.796885	-2.606952	-2.438424	-1.539151	-2.365574	-3.345167	-2.572935	-1.763558	-2.155389	-1.24973	-1.23466	-2.09767	-1.95458	-3.96978	-7.86365	-9.17638	-7.81993	-6.8514	-7.46216	-10.3673	-11.055	-9.5772	-7.85478	-8.23502	-8.20986	-7.60021	-9.76744	-14.4566	-16.4244	
75	-5.0676	-4.28976	-3.49684	-3.56684	-4.8298	-1.1767	-0.942382	-1.322235	-1.824937	-2.064967	-1.833263	-2.768249	-3.583734	-2.71312	-1.550531	-1.69755	-0.844233	-1.58461	-2.47444	-2.13735	-3.80056	-7.56963	-9.11965	-8.18625	-6.43121	-7.71113	-10.4907	-11.4493	-10.2696	-8.4497	-8.49682	-7.99659	-7.3094	-9.43343	-14.1328	-16.3277	
80	-5.0676	-4.15939	-3.42638	-4.60236	-5.04998	-0.96692	-0.892342	-0.770086	-1.482197	-2.331057	-2.19977	-2.523425	-2.984445	-1.989568	-0.97778	-0.690287	-0.40327	-2.38177	-2.27571	-2.79124	-4.0973	-7.23069	-9.07743	-8.44161	-7.44869	-8.49335	-11.1242	-11.9559	-11.0463	-9.15049	-8.79132	-7.91485	-7.24668	-9.31747	-13.9606	-16.2428	
85	-5.0676	-4.03383	-3.31709	-4.70397	-5.22274	-0.95521	-0.706629	-0.485457	-1.74517	-2.82208	-2.188733	-1.557239	-1.79541	-0.966371	-0.8117	-1.044352	-0.45114	-2.68064	-3.7385	-3.35948	-4.40018	-7.03679	-8.52818	-8.08187	-7.72974	-9.28428	-11.8166	-12.4048	-11.6127	-9.70227	-9.04013	-8.00856	-7.42818	-9.41133	-13.9389	-16.168	
90	-5.0676	-3.91418	-3.16984	-4.66065	-5.40099	-1.13077	-0.496975	-0.585788	-2.247511	-3.112231	-1.741264	-0.302773	-0.94508	-0.721428	-0.032202	-0.466818	-0.12307	-2.3377	-3.78704	-3.64042	-4.54091	-6.90791	-8.06751	-7.36265	-7.61439	-9.74192	-12.3453	-12.8067	-11.7945	-9.92283	-9.20898	-8.28213	-7.83828	-9.69003	-14.0633	-16.1021	
95	-5.0676	-3.80198	-2.99029	-4.47437	-5.58741	-1.48547	-0.286538	-0.856097	-2.574972	-3.01454	-0.980497	-0.47018	-1.107762	-1.257138	-0.52389	-0.7821	-0.06963	-2.31877	-3.99228	-3.23872	-4.6332	-6.70289	-8.1743	-7.11075	-9.29742	-12.8609	-13.3382	-11.7187	-9.84933	-9.29964	-6.68755	-7.44521	-10.1097	-13.2416	-16.0835		
100	-5.0676	-3.69918	-2.7882	-4.16218	-5.72913	-2.01993	-0.008239	-1.008355	-2.538257	-2.495244	-0.061506	-0.45625	-1.694073	-1.667255	-0.522684	-0.539036	-0.25344	-2.96146	-4.74226	-4.13617	-7.57326	-7.38992	-8.83086	-7.49321	-7.74231	-10.3289	-13.5945	-14.0545	-11.5834	-9.61399	-9.29452	-9.1136	-9.06141	-10.6094	-14.7286	-15.9689	
105	-5.0676	-3.60799	-2.57646	-3.75641	-5.73437	-2.78545	-0.43715	-0.875532	-2.116926	-1.603549	-0.91672	-0.92724	-1.997214	-1.666505	-0.15795	-0.117	-0.05456	-3.96307	-5.87585	-5.25052	-7.19522	-8.11671	-9.67125	-8.00581	-8.26582	-11.0453	-14.6617	-14.8687	-11.4359	-9.25687	-9.14068	-9.41336	-9.61732	-11.1424	-15.2638	-15.3683	
110	-5.0676	-3.53071	-2.36976	-3.30065	-5.52248	-3.56698	-1.12199	-0.407658	-1.376193	-0.784181	-1.83727	-0.20695	-1.528275	-0.495119	-1.51026	-1.04847	-1.56533	-4.79894	-6.7323	-5.25501	-9.92981	-9.11367	-10.305	-8.57289	-8.93484	-12.1194	-16.0303	-15.6506	-11.1367	-8.733	-8.82154	-9.5011	-9.97593	-11.6125	-15.9387	-15.7099	
115	-5.0676	-3.49953	-2.18315	-5.08695	-5.58695	-5.42018	-2.06137	-0.37476	-0.424576	-0.62911	-2.40728	-0.63587	-0.615864	-1.04502	-3.19993	-2.12886	-2.46639	-5.43761	-6.79563	-4.75752	-6.50631	-9.17107	-10.242	-8.71389	-9.54411	-13.3393	-17.3757	-15.8634	-10.4449	-8.05294	-8.43521	-9.44392	-10.1544	-16.7621	-15.8218		
120	-5.0676	-3.43639	-2.03092	-2.42601	-4.50974	-5.10028	-3.20136	-1.40325	-0.69916	-1.45734	-2.43552	-0.97764	-0.43597	-2.54055	-4.25224	-2.96741	-3.43489	-6.00047	-6.47067	-5.34887	-6.67831	-9.71155	-9.5238	-8.4976	-10.4581	-17.8224	-14.6942	-9.19732	-7.86296	-8.16987	-9.42709	-10.3011	-12.6876	-17.7368	-15.4284		
125	-5.0676	-3.40272	-1.92552	-2.08674	-3.91123	-3.5698	-4.41654	-2.56995	-1.59083	-1.90496	-2.08129	-1.06647	-1.11655	-3.03257	-3.92943	-3.25643	-2.6681	-6.4994	-6.15594	-5.21081	-6.72619	-9.35723	-8.78633	-8.45577	-10.3649	-16.8706	-12.4914	-8.0733	-6.88091	-8.21731	-9.64557	-10.6101	-13.4589	-18.8257	-15.8755		
130	-5.0676	-3.39929	-1.87694	-1.85471	-3.39464	-5.4040	-5.1052	-3.73333	-2.39587	-2.01166	-1.4912	-0.67185	-2.83737	-2.15134	-3.27987	-2.71653	-2.46393	-6.56899	-5.14088	-6.86881	-8.97768	-9.69698	-11.8482	-15.5326	-15.0978	-10.3283	-7.07857	-6.79371	-8.72123	-10.2462	-11.2565	-14.5524	-19.8766	-14.9006	-15.8689		
135	-5.0676	-3.41604	-1.89213	-1.74539	-3.02647	-5.12867	-6.21905	-4.70295	-2.9538	-1.92973</																											

Raw data – ANT11 (5.25GHz)

Theta/Psi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
0	-2.98413	-4.20631	-4.22908	-3.90029	-4.40737	-5.14021	-5.49886	-5.63675	-5.07448	-4.52062	-3.89043	-2.89354	-2.73625	-3.41671	-3.30732	-2.89235	-3.84072	-5.69665	-6.30376	-7.10969	-8.95348	-11.5135	-13.8346	-16.051	-11.9454	-8.78044	-9.16218	-10.2299	-9.52477	-9.97267	-11.3879	-12.9868	-14.4579	-13.7979	-14.0742	-15.0914
5	-2.98413	-3.95547	-3.20124	-3.09431	-3.36309	-3.60055	-3.90629	-4.11165	-4.01805	-3.42037	-2.22084	-1.78286	-2.26051	-2.02769	-2.18346	-1.87543	-2.87253	-4.83153	-5.97442	-6.8356	-8.69696	-11.1981	-13.1066	-13.4985	-10.9581	-9.2298	-9.94641	-9.57318	-8.26942	-9.3307	-11.8209	-14.0697	-16.1972	-15.3018	-15.1272	-15.3584
10	-2.98413	-4.04925	-3.61885	-2.46054	-1.92069	-2.04147	-2.43999	-3.00189	-3.42012	-3.39195	-2.56998	-1.02953	-0.4355	-0.28018	-2.26005	-1.28065	-0.47528	-0.89049	-6.87528	-8.74122	-11.5325	-12.4268	-13.7097	-10.5745	-9.3601	-9.81812	-8.2888	-9.37812	-12.1617	-14.9751	-18.2476	-17.0558	-16.1965	-15.5778	-15.7386	
15	-2.98413	-3.93886	-3.2656	-1.7915	-0.90013	-1.12953	-1.78804	-2.48871	-2.69536	-2.38198	-1.58253	-0.16467	-0.08022	-0.42766	-1.69681	-1.71003	-2.71581	-5.25843	-3.96662	-8.03735	-8.7021	-11.4851	-16.4672	-17.6966	-12.1827	-9.54283	-9.52964	-9.27149	-11.2986	-14.1402	-18.975	-18.6528	-17.5447	-15.7306	-15.8404	
20	-2.98413	-3.81511	-2.95354	-1.26029	-0.32914	-0.54957	-1.46884	-2.19005	-2.02177	-1.57723	-1.2226	-0.10416	0.058185	-1.40016	-3.40734	-3.52956	-4.83313	-9.01131	-12.2652	-11.4552	-10.182	-11.5613	-17.9948	-25.0409	-16.1182	-10.3906	-8.82414	-8.12411	-8.04254	-8.20546	-9.58547	-12.1863	-17.1758	-19.3734	-17.8241	
25	-2.98413	-3.6838	-2.65547	-0.89785	0.066362	-0.2505	-1.41147	-2.16492	-1.90252	-1.65983	-1.93838	-0.40739	-0.18154	-2.84258	-4.47158	-3.35452	-12.4628	-15.3027	-10.1911	-11.9327	-11.08	-14.56	-19.1602	-19.7167	-15.162	-10.71757	-7.31574	-7.65101	-7.44866	-8.12627	-10.3999	-14.865	-18.7341	-20.6843	-15.7938	
30	-2.98413	-3.54996	-2.4419	-0.71353	0.200681	-0.21403	-1.64116	-2.67685	-2.55308	-2.59306	-3.09278	-1.22263	0.116238	-1.28645	-1.68054	-0.25438	-1.92381	-6.77185	-8.2514	-9.47159	-9.74657	-9.04801	-10.5464	-10.2621	-11.2685	-11.3265	-7.82309	-7.322	-7.83055	-7.13832	-7.30971	-9.22392	-13.0641	-17.3272	-17.7934	-15.7054
35	-2.98413	-3.4175	-2.29997	-0.70442	0.100241	-0.43356	-2.16498	-3.53233	-3.19316	-2.79153	-2.18625	0.524818	2.04716	-1.275903	-1.13282	-0.24786	-3.02961	-6.9939	-5.8462	-7.83414	-9.7319	-8.3219	-8.61065	-9.975	-8.10194	-7.81802	-8.52571	-7.34776	-7.07335	-6.83727	-11.8387	-15.8244	-17.1869	-15.5517	-15.5517	
40	-2.98413	-3.28906	-2.22732	-0.86006	-0.23838	-0.8766	-2.80647	-3.80399	-2.08195	-0.66309	0.462703	2.369697	3.831548	3.067622	2.424915	2.892467	1.704656	-1.67458	-3.93003	-4.57132	-6.36163	-8.12681	-9.30679	-8.11951	-7.76763	-9.05067	-8.39765	-8.2911	-9.16919	-7.73384	-7.20118	-8.50726	-11.0433	-14.4634	-16.3977	-15.3503
45	-2.98413	-3.16068	-2.21581	-1.16414	-0.78761	-1.44052	-3.09921	-2.63966	-0.218433	1.829695	2.520072	3.639677	4.610635	3.613329	2.303639	2.912841	2.235553	-4.31884	-4.72965	-6.78994	-4.89049	-10.27453	-7.84934	-7.62694	-8.66097	-8.493	-9.23192	-7.89628	-7.43806	-8.66993	-10.5047	-13.2645	-15.5611	-15.1198	-15.1198	
50	-2.98413	-3.04894	-2.2532	-1.59451	-1.50633	-1.92643	-2.61296	-0.85239	2.103397	3.415248	3.471048	4.013152	4.391699	3.044171	1.108873	0.84775	-0.2382	-3.48776	-5.76757	-5.29302	-7.79154	-11.499	-9.1316	-9.60138	-8.11535	-9.23543	-9.51971	-8.55937	-8.87372	-7.72796	-7.59463	-9.94487	-10.0604	-12.2012	-14.7596	-14.8777
55	-2.98413	-2.93722	-2.32458	-2.12271	-2.32485	-2.10194	-1.53781	0.606614	1.31545	4.025726	3.46431	3.445278	3.610451	1.908421	-0.10007	-1.2704	-1.22674	-3.24562	-4.76037	-7.43417	-12.116	-11.7316	-9.9004	-8.07583	-9.1107	-9.98745	-8.66887	-8.55882	-7.44573	-7.63494	-9.61777	-9.59424	-11.2596	-14.0392	-14.6385	
60	-2.98413	-2.82996	-2.41373	-2.7139	-3.14351	-1.87728	-0.39284	1.486515	3.45864	3.892213	2.89163	2.805724	3.161946	1.720474	0.282492	0.714981	-0.39274	-3.25883	-3.28285	-5.72955	-10.0766	-10.4081	-9.82126	-7.10141	-7.98492	-9.68032	-8.82298	-8.50837	-7.29681	-7.65371	-9.21757	-9.07206	-10.448	-13.4265	-14.4135	
65	-2.98413	-2.72592	-2.50433	-3.32809	-3.85396	-1.3867	0.513962	1.846289	3.251155	3.405713	2.391566	2.795499	3.520611	2.427916	1.467186	1.943589	0.859807	-1.83807	-2.74004	-2.00047	-4.04733	-12.1213	-8.84295	-6.69944	-6.68958	-8.88772	-8.96649	-8.72575	-7.41475	-7.77508	-9.11996	-8.54396	-9.78804	-12.9378	-14.2106	
70	-2.98413	-2.62386	-2.58125	-3.92299	-4.38708	-0.84536	1.11228	1.846694	2.856107	3.054085	2.407169	3.188394	3.995065	2.973363	1.938844	2.328552	1.33139	-1.31028	-1.99119	-1.64077	-3.54137	-17.07257	-10.88882	-7.15512	-5.9295	-6.13422	-8.47971	-9.17326	-9.14893	-8.73785	-8.07693	-9.86041	-8.09236	-9.30375	-12.5843	-14.0349
75	-2.98413	-2.52273	-2.63158	-4.45766	-4.75371	-0.40496	1.447407	1.697387	2.613117	3.092025	2.694908	3.255731	3.913763	2.79773	1.509293	1.78756	1.0305	-1.54499	-2.29792	-1.82078	-3.43275	-6.72661	-8.07888	-7.36998	-5.93652	-6.48025	-8.80028	-9.5355	-9.70059	-8.5255	-8.56255	-8.84462	-7.79639	-9.01366	-12.3735	-13.8885
80	-2.98413	-2.42183	-2.64543	-4.89521	-5.03405	-0.13453	1.601071	1.598042	2.66643	3.327072	2.627513	2.681002	3.234403	2.141019	0.818592	1.305611	0.615107	-1.8585	-2.69468	-2.22147	-3.61093	-6.65423	-8.20639	-7.65141	-6.89969	-7.39153	-9.59032	-9.98158	-10.2665	-9.34053	-9.15893	-8.84619	-7.70613	-8.92672	-12.3102	-13.7715
85	-2.98413	-2.30095	-2.61658	-5.2034	-5.32681	-0.06562	1.641855	1.639525	2.875591	3.545014	2.187055	1.600989	2.561644	1.807059	0.802924	1.574875	0.728621	-1.53498	-2.79467	-2.51258	-3.75522	-6.5175	-7.90415	-7.36613	-6.97201	-8.31025	-10.3481	-10.413	-10.7389	-10.0662	-9.74447	-8.99553	-7.83875	-9.04009	-12.3968	-13.6812
90	-2.98413	-2.22038	-2.54275	-5.35489	-5.70403	-0.17894	1.594351	1.743884	3.004149	3.304674	1.474542	0.932249	2.43545	2.188129	1.372313	1.788394	1.072445	-1.4437	-2.87803	-2.75794	-3.92067	-6.44006	-7.47281	-6.78162	-6.98103	-8.87881	-10.9046	-10.9381	-11.1258	-10.5371	-10.209	-9.27848	-8.17603	-9.33678	-12.6342	-13.6131
95	-2.98413	-2.12094	-2.42576	-5.3307	-6.18622	-0.51074	1.43621	1.784364	2.896614	3.285003	0.751063	0.844248	2.775879	2.595314	1.17337	1.737644	1.072445	-1.7337	-3.5607	-3.12771	-4.17447	-6.69086	-7.4028	-6.81947	-6.98293	-9.24063	-11.5055	-11.7289	-11.5265	-10.7627	-10.4895	-9.62685	-8.65732	-9.78332	-13.0225	-13.5605
100	-2.98413	-2.02795	-2.27136	-5.1281	-6.7235	-1.06294	1.210433	1.650154	2.50714	2.139075	0.162422	1.059694	2.907521	2.637598	0.912135	0.954122	0.1517	-2.69631	-4.26483	-3.61052	-4.55162	-7.335	-8.1305	-6.80942	-7.22432	-9.75231	-12.2732	-12.7232	-11.9958	-10.8149	-10.5275	-9.91214	-9.17396	-10.3299	-12.5624	-13.5153
105	-2.98413	-1.9311	-2.08867	-4.76767	-7.17831	-1.83896	0.603853	1.20858	1.874611	1.511849	-0.37212	1.06854	2.58466	1.45938	0.407912	-0.3281	-1.0677	-4.3253	-4.28248	-4.51162	-8.24875	-8.03138	-7.46765	-7.88949	-8.58495	-10.2427	-13.6848	-12.4709	-10.6287	-10.4247	-9.98841	-9.28989	-10.9188	-14.5603	-13.4677	
110	-2.98413	-1.84435	-1.88939	-4.29237	-7.34867	-2.81612	-0.13204	0.745155	1.115574	0.257004	-0.92538	0.656659	1.616177	-0.40064	-0.21904	-1.59046	-2.24542	-5.324	-6.0335	-4.65543	-5.83663	-9.09044	-9.51804	-8.05008	-8.5949	-11.3577	-13.5784	-14.6006	-12.6748	-10.0358	-9.63889	-9.80463	-9.80861	-11.5054	-15.1091	-13.4076
115	-2.98413	-1.76581	-1.68673	-3.75748	-7.08819	-3.91888	-1.07167	0.047554	0.576927	-0.48952	-1.33498	-0.18208	0.441753	-1.62088	-3.33496	-4.50035	-5.7483	-6.0311	-6.98198	-6.49414	-9.5006	-9.9069	-8.15574	-8.9789	-10.5747	-12.0318	-14.1793	-15.4545	-12.0864	-9.05363	-8.90148	-9.47485	-9.84541	-12.0871	-13.2523	
120	-2.98413	-1.6976	-1.49421	-3.21821	-6.43885	-4.99051	-2.71764	-0.47289	-0.2311	-0.87759	-1.45847	-0.51639	-0.50414	-2.46384	-3.31424	-4.25163	-3.3633	-5.73227	-5.76021	-5.2611	-7.08054	-6.6894	-8.88323	-8.78519	-9.10347	-12.5864	-14.8955	-15.2988	-10.6158	-9.78738	-8.30335	-9.20369	-9.88968	-12.7215	-17.2911	-13.2128
125	-2.98413	-1.64166	-1.32469	-2.72137	-5.58054	-5.79841	-3.3791	-1.58006	-1.102917	-1.37241	-0.7319	-0.83011	-2.23332	-2.69849	-4.45635	-3.7788	-5.84462	-5.67558	-5.78667	-6.76544	-8.47157	-7.78528	-9.55926	-13.3537	-15.4766	-13.5524	-8.92672	-7.1845	-8.06461	-9.17307	-10.0042	-13.521	-18.356	-13.0649		
130	-2.98413	-1.59963	-1.18948	-2.30281	-4.72513	-6.11996	-4.6134	-2.48531	-1.24077	-1.12904	-1.10552	-0.41203	-0.33904	-1.24675	-1.84398	-2.30354	-3.97952	-5.80284	-5.91221	-5.55883	-7.67041	-5.94931	-8.64115	-8.6669	-10.9044	-14.6518	-15.4544	-11.2699	-7.40042	-8.65999	-8.3117	-9.90221	-10.5461	-14.6394	-16.6307	-12.8805
135	-2.98413	-1.57273	-1.09773	-1.98835	-3.99791	-5.90066	-5.64198	-3.47563	-1.83526	-1.20252	-0.78627	-0.428908	-0.525574	-0.322																						

Raw data – ANT11 (5.3GHz)

ThetaPhi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
0	-1.61488	-2.61712	-2.52513	-2.2077	-2.76028	-3.73849	-4.45388	-5.09788	-5.39667	-5.20022	-4.2828	-3.1078	-2.93982	-3.17981	-2.9914	-2.65276	-3.67289	-5.40513	-6.29444	-7.22665	-9.28101	-11.7559	-13.7909	-15.5243	-11.6056	-8.64007	-9.15195	-10.3524	-9.37634	-9.7672	-11.8134	-13.8755	-15.3506	-14.4973	-14.3054	-14.3952
5	-1.61488	-2.5713	-2.3519	-1.73485	-2.40739	-2.98571	-3.56702	-4.0475	-4.41916	-3.41677	-2.17949	-1.90337	-6.92548	-4.08759	-5.50746	-5.73478	-6.92548	-4.08759	-1.81249	-13.6765	-13.7909	-13.6765	-9.39941	-10.2529	-9.82226	-8.30429	-9.37518	-12.4177	-14.9886	-17.2027	-16.144	-15.1974	-14.4414	-14.4414	-14.4414	
10	-1.61488	-2.51654	-2.16162	-1.26178	-0.97825	-1.37372	-2.02537	-2.72516	-3.30574	-3.48475	-2.84821	-1.55329	-0.96308	-1.33113	-1.9018	-1.76278	-2.64013	-4.6436	-6.17849	-7.20616	-9.04283	-11.8392	-14.9121	-16.6823	-11.0039	-9.39417	-10.2346	-9.81133	-8.38369	-9.43503	-12.332	-15.0445	-16.8653	-17.9478	-15.9991	-14.4337
15	-1.61488	-2.45578	-1.97854	-0.85455	-0.32373	-0.66843	-1.53584	-2.38334	-2.89108	-2.97556	-2.55646	-1.30414	-0.63303	-1.65227	-2.09965	-2.67384	-3.86775	-6.87575	-8.17849	-9.1026	-11.1425	-13.9477	-16.0241	-13.4531	-9.59912	-8.89495	-9.1018	-8.59398	-9.08046	-10.8494	-13.3604	-18.018	-19.2861	-16.5686	-14.9699	
20	-1.61488	-2.39198	-1.82438	-0.5592	0.108354	-0.26688	-1.38164	-2.37259	-2.70462	-2.7319	-2.70865	-1.48937	-0.70951	-2.29709	-3.33318	-3.80225	-5.39417	-10.599	-13.3064	-11.768	-10.3197	-10.6927	-15.4397	-23.2223	-18.493	-10.7126	-7.93015	-8.02128	-8.31792	-8.1899	-9.05015	-11.3515	-15.9054	-19.2699	-16.7786	-14.2958
25	-1.61488	-2.32783	-1.71549	-0.40246	0.309228	-0.13759	-1.51008	-2.67513	-2.90962	-3.00003	-3.26849	-1.62144	-0.50512	-2.12717	-3.16141	-2.70725	-5.92112	-11.5496	-12.7039	-11.8629	-11.5944	-11.8629	-17.8045	-27.45675	-20.02127	-17.4595	-9.7505	-7.81804	-9.90935	-13.9709	-18.031	-16.5949	-14.0499	-14.0499		
30	-1.61488	-2.26546	-1.66199	-0.39645	0.282134	-0.25384	-1.8915	-3.28602	-3.41703	-3.39095	-3.1871	-0.70312	0.75221	-0.40443	-0.70283	-0.91212	-1.07249	-5.3699	-6.90355	-8.53278	-9.97929	-9.20612	-10.6401	-10.1667	-10.4475	-11.0548	-8.04825	-7.54554	-8.21657	-7.30038	-7.29789	-9.14573	-12.6143	-16.4472	-16.0984	-13.8891
35	-1.61488	-2.20632	-1.66786	-0.54318	0.036961	-0.57954	-2.43465	-3.83795	-3.25659	-2.45839	-1.47045	1.041686	2.397324	1.521168	1.074078	1.909396	0.625724	-3.00225	-4.91529	-5.8873	-7.63643	-8.38814	-8.6201	-8.23755	-9.49209	-8.21223	-7.91685	-8.79526	-7.63139	-7.33796	-8.95117	-11.7634	-14.9791	-15.4229	-13.6706	
40	-1.61488	-2.15107	-1.73172	-0.8373	-0.40841	-1.03908	-2.86172	-3.49479	-1.6179	-0.21451	0.700784	2.513482	3.545306	2.609301	1.620912	2.03139	0.935295	-2.3931	-4.62199	-5.10359	-6.84802	-6.00004	-10.2056	-8.6416	-7.70345	-8.78522	-8.36701	-8.14782	-9.18309	-8.0526	-7.66269	-9.15939	-11.2569	-13.7102	-14.6859	-13.4443
45	-1.61488	-2.09961	-1.84762	-1.26734	-1.02232	-1.48884	-2.75556	-2.08579	0.495417	1.87946	2.253702	3.248283	3.890945	2.714663	1.074353	1.055096	0.054042	-3.14702	-5.51848	-5.57643	-7.39228	-9.99601	-11.5628	-9.99601	-8.79153	-8.15199	-8.98591	-8.13949	-7.96237	-9.57062	-10.9178	-12.6103	-13.9656	-13.2218		
50	-1.61488	-2.05118	-2.00596	-1.81597	-1.75156	-1.73402	-1.97694	-0.43926	2.131874	3.210031	3.004894	3.283899	3.57133	2.071314	-0.16627	0.44453	-1.45363	-4.67959	-6.66877	-6.22535	-8.28949	-12.5816	-12.4801	-10.7251	-9.10251	-7.94028	-9.43809	-8.1045	-8.48749	-7.86337	-8.05486	-9.96803	-10.5844	-11.6437	-13.3083	-13.0127
55	-1.61488	-2.00447	-2.19441	-2.45986	-2.51676	-1.63681	-0.85352	0.868357	3.101168	3.834205	3.113999	2.929966	3.048824	1.350181	-0.93634	-0.94285	-1.99348	-5.09317	-6.66994	-5.4862	-7.71546	-12.107	-11.8403	-10.8167	-9.16683	-9.66706	-9.79246	-8.12341	-8.13051	-7.54006	-7.99204	-10.1785	-10.1578	-10.7973	-12.7415	-12.8246
60	-1.61488	-1.95784	-2.39872	-3.17024	-3.2215	-1.23239	0.228942	1.717434	3.507346	3.926113	2.89731	2.6756	2.944632	1.472424	-0.17692	0.219387	-0.82141	-3.55759	-4.11249	-3.73885	-5.88961	-9.67832	-9.91508	-9.35118	-7.93192	-8.34256	-9.35469	-8.18624	-8.09196	-7.44493	-7.9549	-10.1555	-9.63875	-10.0803	-12.2829	-12.663
65	-1.61488	-1.90949	-2.60371	-3.91462	-3.78433	-0.6895	1.079048	2.157813	3.533568	3.759758	2.689549	2.773752	3.325368	1.28218	1.032844	1.560808	0.475295	-2.11683	-2.63996	-2.35038	-4.35754	-7.76564	-8.23028	-7.73966	-6.52465	-6.88853	-8.5362	-8.25689	-8.33961	-7.68755	-8.09679	-9.98737	-9.10675	-9.51297	-11.9458	-12.5316
70	-1.61488	-1.85765	-2.7941	-4.66024	-4.18096	-0.17598	1.655958	2.305466	3.373245	3.59595	2.591679	2.943839	3.661234	2.615044	1.613627	2.068144	1.074334	-1.54289	-2.12936	-1.74835	-3.58624	-6.8337	-7.4518	-6.97631	-5.86869	-6.20917	-8.1103	-8.38873	-8.74632	-8.25327	-8.48453	-9.812	-8.66207	-9.11676	-11.7405	-12.4321
75	-1.61488	-1.8008	-2.95536	-5.3776	-4.45907	0.208722	1.99063	2.276991	3.180369	3.407432	2.445083	2.840366	3.645886	2.658524	1.605939	2.045542	1.174734	-1.48446	-2.15496	-1.69813	-3.40526	-6.62167	-7.45861	-7.00628	-6.0085	-6.41502	-8.35916	-8.64202	-9.16258	-9.02856	-9.09617	-9.73412	-8.38139	-8.90991	-11.6754	-12.3646
80	-1.61488	-1.73781	-3.04741	-6.01441	-4.71016	0.425467	2.140398	2.181702	3.028536	3.259704	2.114867	2.469406	3.458536	2.556975	1.71746	2.017389	1.238762	-1.32196	-2.15303	-1.75326	-3.39466	-6.57674	-7.63805	-7.15847	-6.44281	-7.16454	-9.08717	-8.93589	-9.49508	-9.81591	-9.82802	-9.79837	-8.30291	-8.88861	-11.7572	-12.3778
85	-1.61488	-1.69807	-3.14057	-6.62555	-5.02185	0.46706	2.160893	2.084437	2.905425	3.05741	1.672069	2.670726	3.488766	2.141895	1.801444	2.294877	1.583728	-0.93215	-1.99051	-1.76794	-3.3674	-6.36575	-7.15729	-6.89973	-6.66873	-7.97487	-9.01876	-9.4288	-9.78473	-10.0739	-9.95403	-9.05403	-11.5912	-12.3178		
90	-1.61488	-1.59157	-3.14538	-7.09275	-5.48824	0.330278	2.081713	2.097459	2.307528	2.141019	2.307528	2.345466	3.281572	2.081713	2.097459	2.450825	1.74043	-8.0124	-2.19761	-2.12554	-3.55445	-6.49527	-6.64827	-6.86269	-6.86899	-8.02762	-9.01892	-9.42788	-10.0559	-10.2638	-9.70712	-12.3811	-12.3	-12.3		
95	-1.61488	-1.50893	-3.08569	-7.38623	-6.11364	0.034458	1.926436	1.905728	2.475049	2.378978	1.085464	2.240328	3.835585	3.288528	2.00275	2.085335	1.221763	-1.47291	-3.00021	-2.88846	-4.15332	-6.73262	-7.44813	-6.4163	-6.7709	-8.26355	-11.4942	-10.9098	-10.7713	-11.1201	-11.5387	-10.5031	-9.06335	-9.8026	-12.9323	-12.5755
100	-1.61488	-1.42141	-2.96252	-7.4379	-6.95909	-0.44103	1.664446	1.732126	2.049848	1.82273	0.85209	2.116258	3.301749	2.607283	1.377381	1.499661	-0.044146	-8.28955	-5.25653	-4.96601	-6.34137	-7.88537	-8.14833	-7.18573	-7.20665	-9.95496	-12.263	-11.899	-11.5877	-11.4072	-11.3983	-10.5818	-9.37296	-10.3169	-12.4388	-12.9319
105	-1.61488	-1.33078	-2.78265	-7.20185	-7.89273	-1.09315	1.278824	1.463067	1.480731	1.063195	0.409711	1.669077	2.551672	1.276773	-0.12662	-0.68344	-1.63808	-4.48303	-5.14023	-4.29631	-5.70179	-8.80888	-8.96166	-7.39778	-7.91741	-10.6947	-12.6505	-12.7225	-12.4997	-11.5616	-11.1169	-10.4078	-9.52309	-10.8002	-14.5403	-12.4235
110	-1.61488	-1.23928	-2.55808	-6.93036	-8.71497	-1.91852	0.749235	1.097401	0.444607	0.16731	-0.27358	0.947057	1.408943	-0.28826	-2.14161	-1.78391	-5.35006	-3.35165	-4.00728	-4.96014	-6.34096	-8.48989	-8.74889	-11.3117	-12.6653	-13.3111	-13.2289	-11.3102	-10.5233	-10.0087	-9.47641	-11.1222	-15.6224	-12.4241	-12.4235	
115	-1.61488	-1.1494	-2.3048	-5.99137	-9.06704	-2.90018	0.056707	0.643169	0.266942	-0.648	-0.97839	0.212927	0.147441	-1.36814	-2.68713	-2.16999	-3.05218	-5.27841	-5.24049	-4.36668	-6.33487	-9.1999	-9.39808	-8.62044	-9.44203	-11.8459	-12.8368	-13.8905	-13.2516	-10.5468	-9.78163	-9.52953	-9.30276	-11.5824	-16.9194	-14.4376
120	-1.61488	-1.06379	-2.0409	-5.23522	-8.69995	-3.99794	-0.83047	0.085616	-0.18586	-1.159	-1.43997	-0.26831	-0.06157	-1.53636	-2.47374	-2.09839	-3.02589	-5.0863	-5.47114	-6.29641	-9.29641	-9.24005	-8.71714	-9.83649	-12.5137	-13.5812	-14.3593	-12.2394	-9.59772	-9.14268	-9.14443	-9.13528	-11.9385	-18.4584	-12.4013	
125	-1.61488	-0.98504	-1.78453	-4.43247	-7.76607	-5.12421	-1.97359	-0.64259	-0.56122	-1.33423	-1.57917	-0.4891	-0.1711	-1.13354	-2.30746	-2.42527	-3.50088	-5.60972	-6.14743	-6.26133	-8.02266	-9.83462	-9.23382	-8.87976	-10.4763	-13.7177	-14.9531	-14.0632	-10.6942	-8.67304	-8.80146	-8.9857	-9.10618	-12.3849	-20.232	-12.3271
130	-1.61488	-0.91553	-1.55216	-3.74359	-6.63551	-0.69182	-3.44935	-1.65325	-0.99075	-1.28372	-1.33485	-0.37601	-0.05164	-1.13014	-2.05621	-2.34452	-3.50088	-6.7093	-6.91845	-7.00936	-8.79706	-10.3475	-9.73983	-9.91047	-12.1326	-15.6888	-16.2414	-12.768	-9.31057	-8.18824	-8.85619	-9.12974	-9.3174	-13.0266	-22.0464	-12.2123
135	-1.61488	-0.85729	-1.35722	-3.18273	-5.78665	-0.60148	-5.23249	-3.02702	-1.59449	-1.19829	-0.83624	0.066328	0																							

Raw data – ANT11 (5.35GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	
0	-1.3338	-1.81305	-1.54307	-1.35273	-2.05885	-3.26191	-4.0169	-4.85255	-5.38443	-5.85576	-5.06397	-3.55771	-2.85343	-6.0226	-3.828257	-7.2565	-3.98021	-6.2604	-7.75517	-8.34823	-9.39096	-11.594	-14.0278	-17.1224	-19.1220	-14.3438	-10.0562	-8.88646	-10.4469	-0.06662	-8.78088	-10.9178	-13.3903	-15.1914	-14.7761	-13.5129	-12.2773
5	-1.3338	-1.84902	-1.54726	-1.16158	-1.54308	-2.4223	-3.14658	-3.73588	-4.02019	-5.24144	-4.55072	-2.87421	-2.0037	-2.96448	-2.93039	-2.29737	-3.3711	-5.75188	-7.72693	-8.63499	-9.852	-12.24	-15.3107	-15.7043	-12.6212	-10.8307	-10.9569	-10.0273	-8.22616	-8.49745	-11.2083	-14.3253	-15.879	-15.8065	-13.9115	-12.107	
10	-1.3338	-1.88162	-1.54438	-0.96325	-1.02097	-1.71882	-2.57466	-3.36897	-4.39509	-5.15486	-4.46702	-3.05574	-1.52362	-2.01144	-2.17495	-2.05745	-2.40905	-6.28066	-8.05329	-9.20614	-10.1076	-12.9515	-15.7302	-12.8774	-10.8308	-10.0656	-9.94517	-8.49664	-8.62653	-10.9483	-13.6301	-15.6594	-16.3927	-14.146	-12.1097		
15	-1.3338	-1.91172	-1.54713	-0.80295	-0.63246	-1.24253	-2.34221	-3.41577	-4.47986	-5.11246	-4.40291	-2.25453	-1.08011	-2.00863	-3.02085	-2.43777	-3.74968	-7.73235	-10.2839	-9.94676	-9.95569	-11.4104	-15.3464	-23.3273	-16.8275	-10.4385	-8.85001	-9.46341	-8.99433	-8.48006	-9.72451	-11.9061	-14.4331	-16.1886	-14.1702	-11.9994	
20	-1.3338	-1.94029	-1.56856	-0.71853	-0.40008	-1.00726	-2.38481	-3.6869	-5.1827	-4.7809	-4.05361	-2.44126	-1.06037	-2.53783	-3.66389	-3.54378	-4.86177	-10.2837	-10.5709	-10.4804	-10.8072	-13.4792	-21.5555	-16.3582	-10.8789	-12.1555	-8.53815	-8.74169	-8.94502	-7.87729	-8.29991	-10.24	-12.9741	-15.3439	-13.9803	-11.8868	
25	-1.3338	-1.96825	-1.61989	-0.73612	-0.3539	-0.99062	-2.61295	-4.02224	-4.14747	-4.26807	-3.40248	-2.88183	-0.46365	-0.66661	-1.22258	-1.17344	-1.88919	-6.61651	-7.98095	-9.51674	-11.6337	-11.0333	-12.6787	-12.1021	-12.827	-12.8467	-8.89115	-8.32259	-8.64992	-7.35006	-7.34006	-9.15021	-11.8193	-14.2844	-13.6538	-11.7704	
30	-1.3338	-1.99628	-1.70917	-0.87036	-0.49442	-1.15438	-2.93213	-4.26095	-4.03552	-4.26094	-3.24086	-1.06625	-1.68312	-0.44632	-1.11346	-1.14961	-3.30077	-4.30075	-5.27552	-6.55254	-10.7314	-10.6396	-11.9127	-10.9379	-10.9379	-10.9379	-8.34611	-8.70446	-7.33106	-7.0298	-6.86782	-11.0935	-13.29	-13.3221	-11.6554		
35	-1.3338	-2.02474	-1.84064	-1.12648	-0.81203	-1.44281	-3.19806	-4.06495	-2.90881	-1.84269	-0.78613	-1.32692	-2.43932	-1.45298	-0.86004	-1.681705	-0.939127	-3.10777	-4.73297	-5.82695	-8.93258	-10.4165	-11.0726	-8.88185	-7.46973	-9.17326	-9.37003	-8.51195	-9.08453	-7.78165	-7.22994	-8.74944	-10.7434	-12.4471	-12.7848	-11.5473	
40	-1.3338	-2.05351	-2.01481	-1.50226	-1.28537	-1.76641	-3.17909	-3.11305	-1.16618	-1.038578	-0.876763	-1.32533	-3.14142	-2.01206	-0.796774	-1.211185	-0.119691	-3.26547	-5.23776	-6.53253	-8.06085	-11.0343	-11.7792	-9.12564	-7.28182	-8.56802	-9.24128	-8.37805	-9.21162	-8.34249	-7.69462	-10.16944	-10.6462	-11.7438	-12.3543	-11.4513	
45	-1.3338	-2.082023	-2.2288	-1.98929	-1.87668	-1.99187	-2.67531	-1.63033	-0.848278	-2.044567	-2.178498	-2.907265	-3.366779	-1.944044	-0.47818	-1.81066	-1.25123	-6.06865	-6.91043	-6.53257	-8.40929	-12.3747	-13.1231	-10.3441	-8.15364	-8.90951	-9.11775	-7.87071	-8.68598	-8.46294	-8.1094	-9.73873	-10.6471	-11.1387	-11.9665	-11.3721	
50	-1.3338	-2.10277	-2.47685	-2.57351	-2.5237	-1.97559	-1.73537	-1.04246	-2.33065	-3.09876	-2.906671	-2.970341	-3.106557	-1.315503	-1.42722	-1.79308	-2.95738	-6.58166	-8.56605	-9.12735	-13.672	-13.9419	-11.7774	-9.41271	-9.51984	-9.00175	-7.32409	-7.87371	-8.11624	-8.27649	-10.2394	-10.5944	-10.5958	-11.637	-11.3139		
55	-1.3338	-2.13382	-2.751	-2.32558	-3.13601	-1.65035	-0.6199	-1.035397	-3.251348	-3.952639	-3.064993	-2.65149	-2.641468	-0.652499	-2.00218	-1.81101	-2.97992	-6.4838	-7.47893	-6.45996	-8.2434	-12.325	-12.6471	-11.6794	-9.74431	-9.41129	-8.75206	-7.01362	-7.28009	-7.65831	-8.25242	-10.5254	-10.3927	-10.1	-11.3763	-11.2798	
60	-1.3338	-2.15399	-3.04152	-3.9518	-3.60998	-1.08107	-0.427073	-1.822181	-3.650918	-4.063304	-2.804533	-2.282929	-2.493389	-0.78749	-1.81066	-1.25123	-6.06865	-6.91043	-6.53257	-8.40929	-12.3747	-13.1231	-10.3441	-8.15364	-8.90951	-9.11775	-7.87071	-8.68598	-8.46294	-8.1094	-9.73873	-10.6471	-11.1387	-11.9665	-11.3721		
65	-1.3338	-2.16795	-3.33738	-4.69646	-3.87078	-0.41194	-1.276852	-2.245988	-3.640767	-3.80817	-2.380352	-2.208684	-2.881884	-1.64598	-0.578515	-1.277096	-2.023234	-2.61372	-3.27636	-2.85217	-4.48502	-7.73152	-8.63259	-8.10845	-7.11193	-7.1002	-7.7714	-7.09447	-7.21134	-7.55116	-8.42209	-10.536	-9.62567	-9.29465	-11.0962	-11.2929	
70	-1.3338	-2.17388	-3.62634	-5.44592	-3.91668	-0.224708	-1.892429	-2.375515	-3.363819	-3.944676	-2.041722	-2.425418	-3.43561	-2.427264	-1.387329	-1.924242	-0.885391	-1.97229	-2.68094	-2.11104	-3.60289	-6.71197	-7.68268	-6.9911	-6.1881	-6.42036	-7.54679	-7.28776	-7.4915	-7.97926	-8.85957	-10.4342	-9.2414	-9.03295	-11.0947	-11.342	
75	-1.3338	-2.17013	-3.89504	-6.18302	-3.81971	-0.749279	-2.288988	-2.290018	-2.977805	-3.017709	-1.889191	-2.689471	-3.807141	-2.793277	-1.566091	-2.017014	-1.06891	-1.77799	-2.5887	-1.94508	-3.3965	-6.51291	-7.34075	-6.64584	-6.00168	-6.46723	-7.80256	-7.53472	-7.74845	-8.5522	-9.51767	-10.5049	-8.96903	-8.89426	-11.1972	-11.4191	
80	-1.3338	-2.15541	-4.12893	-6.89851	-3.68175	-1.28764	-2.507346	-2.115633	-2.628302	-2.795689	-1.883945	-2.978006	-3.998068	-2.925959	-1.560991	-2.044451	-1.254632	-1.49074	-2.5887	-1.89923	-3.43037	-6.65532	-7.45621	-6.70273	-6.2847	-7.08726	-8.51042	-7.87595	-7.92818	-9.05887	-10.2655	-10.6276	-8.84895	-8.88758	-11.411	-11.5225	
85	-1.3338	-2.12887	-4.31267	-7.5859	-3.59181	-1.357148	-2.59469	-1.914061	-2.96313	-2.741965	-1.98159	-3.029796	-4.171597	-3.123453	-1.736258	-2.224319	-1.519282	-1.15999	-2.24694	-1.84966	-3.4447	-6.74326	-7.59179	-6.75606	-6.63756	-7.96087	-9.47725	-8.36209	-8.12008	-9.38868	-10.943	-10.8358	-8.88238	-9.00644	-11.7417	-11.649	
90	-1.3338	-2.0903	-4.4314	-8.22809	-3.60696	-1.438867	-2.588795	-1.740625	-2.25424	-2.775306	-2.15205	-3.039164	-4.347666	-3.124945	-1.945253	-1.759121	-1.18788	-2.42113	-2.05342	-3.53472	-6.75753	-7.64726	-6.67201	-6.8238	-7.52722	-10.4323	-9.00913	-8.45803	-9.63642	-11.4784	-11.0864	-9.03161	-9.22585	-12.1922	-11.7939		
95	-1.3338	-2.04012	-4.4727	-8.77916	-3.76812	-1.578616	-2.508486	-1.58808	-2.091895	-2.750403	-2.268081	-3.256211	-4.314625	-3.209481	-1.744322	-1.859457	-1.01274	-1.86004	-3.07559	-2.4659	-3.83344	-6.86025	-7.62633	-6.8968	-6.83454	-9.25314	-11.1245	-9.75866	-9.02551	-10.0036	-11.9213	-11.3009	-9.2205	-9.50152	-12.763	-11.951	
100	-1.3338	-1.9945	-4.43016	-9.1532	-4.07977	-1.76379	-2.529443	-1.42087	-1.799427	-2.51984	-2.12121	-3.03236	-3.869411	-2.707188	-0.92469	-0.807028	-1.2772	-1.73556	-2.90606	-3.551484	-6.76027	-7.14201	-7.66768	-6.6837	-6.80128	-9.49963	-11.3943	-10.468	-9.83774	-10.6279	-12.3003	-11.3607	-9.34676	-9.77531	-13.453	-12.1123	
105	-1.3338	-1.91003	-4.3054	-9.24339	-4.54127	-0.825326	-2.106822	-1.20208	-1.33678	-2.013163	-1.836882	-2.486168	-3.016653	-1.565066	-4.044925	-2.10201	-0.84211	-3.3351	-3.94621	-3.25499	-4.63827	-7.55352	-7.89654	-6.56115	-7.02371	-9.56554	-11.2688	-11.0218	-10.8668	-11.4635	-12.4683	-11.1538	-9.32118	-9.99195	-14.2619	-12.2682	
110	-1.3338	-1.83541	-4.10929	-8.98379	-5.1328	-0.310026	-1.743734	-0.949528	-0.765356	-1.291591	-1.24862	-1.759613	-1.087019	-0.63869	-1.63392	-1.56769	-3.66399	-3.06661	-3.51484	-5.04841	-8.0297	-8.37139	-7.1569	-7.60579	-8.9409	-11.1562	-11.5296	-12.0192	-12.1618	-12.1827	-10.6721	-9.1216	-10.1234	-13.1946	-12.4079		
115	-1.3338	-1.75434	-3.86047	-8.40772	-5.81083	-0.39652	-1.227133	-0.603332	-0.17167	-0.52317	-0.685514	-1.152861	-0.685912	-0.63869	-2.15162	-1.61446	-2.21817	-4.26161	-4.52907	-4.05329	-5.9012	-8.46953	-8.80021	-7.97332	-8.48653	-11.4453	-12.2596	-12.1467	-11.4403	-10.0468	-8.81263	-10.1917	-16.2681	-12.5204			
120	-1.3338	-1.67254	-3.58028	-7.634	-6.49314	-1.3354	-0.49302	-0.158143	-0.33328	-0.10016	-0.301043	-0.858633	-0.62812	-0.94183	-2.11584	-1.8699	-2.80416	-5.07075	-5.44469	-4.9334	-6.3844	-8.84929	-9.1551	-8.54403	-9.34459	-11.4847	-12.4786	-13.2531	-12.9129	-11.2917	-10.553	-9.46412	-8.9009	-10.256	-17.5214	-12.5948	
125	-1.3338	-1.5945	-3.29808	-6.70927	-7.04528	-2.2653	-0.54207	-0.47674	-0.77259	-0.56356	-0.066966	-0.71223	-0.481576	-1.06094	-2.23154	-2.25809	-3.49658	-5.86686	-6.34453	-5.9822	-3.73963	-9.3309	-9.25406	-8.9332	-10.3195	-13.1123	-14.2737	-13.925	-11.7703	-10.1512	-9.84657	-9.07278	-10.4009	-19.0277	-12.6225		
130	-1.3338	-1.51984	-3.03014	-6.01007	-7.30573	-0.08365	-1.1973	-3.19722	-2.1139	-0.86944	-0.13509	-0.633911	-0.35971	-1.36313	-2.89893	-3.20137	-4.49002	-6.57743	-6.6757	-6.64846	-8.0022	-9.74633	-9.4045	-9.52151	-11.7359	-15.2718	-16.2197	-13.4994	-10.3164	-9.2387	-9.48778	-8.96147	-8.35385	-10.7111	-20.9074	-12.5979	
135	-1.3338	-1.45175	-2.7956	-5.33455	-7.18768	-5.80614	-3.95127	-2.62943	-1.6731	-1.00613	-0.16846	-0.655606	-0.3																								

Raw data – ANT11 (5.47GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
0	-0.18766	0.081067	0.150868	0.332592	-0.32416	-2.51751	-4.58022	-4.5664	-3.72813	-4.07015	-5.03286	-4.39236	-3.21528	-3.13231	-2.1216	-0.76828	-2.06118	-5.32417	-6.27175	-7.27166	-10.5884	-15.3011	-16.2681	-15.889	-14.8091	-10.4887	-8.62176	-8.8591	-8.27674	-8.86093	-11.2282	-13.4113	-13.637	-11.6527	-13.2357	-14.5754
5	-0.18766	-0.01954	0.051077	0.320312	-0.00085	-1.60008	-3.27913	-3.45346	-3.0206	-3.69929	-4.99078	-4.88271	-3.94026	-3.76184	-2.45251	-0.79577	-1.87206	-5.04197	-5.97906	-6.91531	-10.1229	-15.0152	-17.3278	-15.0234	-10.779	-7.9161	-8.68973	-8.20531	-7.64894	-9.44727	-12.8264	-14.9153	-15.5158	-12.4225	-13.3693	-14.6422
10	-0.18766	-0.13806	-0.08679	0.24905	0.218421	-0.86885	-2.32987	-2.69305	-2.46678	-3.15306	-4.414	-4.69946	-3.65751	-3.40749	-2.14755	-2.23095	-5.63997	-6.06351	-6.26635	-8.45313	-12.6291	-17.1652	-16.4512	-9.86375	-7.64247	-8.59496	-8.7662	-8.07054	-10.0108	-13.1837	-14.5258	-16.6291	-13.3665	-14.7374		
15	-0.18766	-0.27354	-0.26353	0.104585	0.301363	-0.40091	-1.7982	-2.40416	-2.0445	-2.21656	-2.95266	-2.53494	-1.77727	-2.39147	-2.6118	-1.63581	-2.91601	-6.65246	-7.38946	-8.75055	-10.6888	-10.655	-14.9668	-18.4718	-12.0586	-8.54483	-8.90882	-9.12599	-9.2668	-11.1687	-12.1447	-15.4355	-14.1221	-14.0285	-14.8591	
20	-0.18766	-0.42425	-0.47989	-0.12507	0.200389	-0.23175	-1.69425	-2.48856	-1.78957	-1.28738	-1.64848	-2.08867	-1.41471	-1.36253	-2.83556	-3.48777	-4.82862	-6.95587	-8.00066	-9.17672	-11.5779	-15.9245	-17.4749	-15.1065	-10.5862	-9.23431	-8.63198	-7.66661	-9.73532	-10.1071	-9.9172	-13.1948	-14.5651	-14.4491	-15.0044	
25	-0.18766	-0.58766	-0.72942	-0.44546	-0.00705	-0.34598	-1.80737	-2.93728	-1.93261	-0.85653	-1.08808	-1.31763	-0.653095	-0.95662	-2.65245	-1.7568	-2.64697	-4.88119	-6.8278	-8.12789	-10.8278	-14.888	-12.5387	-11.0462	-9.5314	-8.4882	-7.47563	-7.32891	-8.0342	-8.5178	-11.2653	-14.4255	-14.839	-15.1695		
30	-0.18766	-0.76034	-1.01071	-0.84787	-0.57273	-0.66	-2.16015	-3.66328	-2.37279	-0.87659	-0.91268	-0.146678	-1.361335	-1.16345	-1.46601	-0.167134	-0.90601	-5.09234	-6.1732	-7.05246	-11.5098	-17.4119	-19.9851	-12.2058	-9.02375	-9.57735	-10.1102	-9.14001	-8.08283	-7.84829	-7.90402	-9.91165	-13.7574	-15.1552	-15.3505	
35	-0.18766	-0.9379	-1.31375	-1.31601	-1.16871	-0.10796	-2.37234	-3.84061	-2.02828	-0.17309	-0.07199	-1.138702	-2.47369	-1.93052	-3.48625	-0.11487	-4.02524	-4.72284	-6.89789	-11.5098	-17.4119	-19.9851	-12.2058	-9.02375	-9.57735	-10.1102	-9.14001	-8.08283	-7.84829	-7.90402	-9.91165	-13.7574	-15.1552	-15.3505		
40	-0.18766	-1.11505	-1.62594	-1.82257	-1.77808	-1.16044	-1.97204	-2.67303	-2.04182	1.611801	1.487702	2.25047	3.930064	1.962348	-0.32284	0.260306	-0.63393	-4.3105	-5.69518	-6.61278	-7.04917	-13.4507	-14.3962	-10.1848	-6.5817	-7.87878	-10.8061	-9.15082	-8.22339	-7.46199	-8.58524	-8.42007	-8.62722	-11.9786	-15.2981	-15.7344
45	-0.18766	-1.28576	-1.93043	-2.33183	-2.25459	-0.8734	-0.87137	-0.78387	1.730302	3.325852	2.728485	2.726911	3.573061	1.70754	-1.60529	-1.30091	-2.31893	-6.6167	-8.35515	-6.46178	-11.7585	-13.8285	-14.8769	-13.9517	-11.7585	-7.8277	-10.4391	-7.96295	-7.12209	-6.55432	-8.35983	-9.16238	-8.49206	-11.1871	-15.1067	-15.9292
50	-0.18766	-1.44531	-2.20652	-2.80318	-2.46877	-0.18721	0.4872	0.818892	2.999174	4.257274	3.110253	2.411548	3.051425	0.736364	-0.00833	-1.74657	-3.14179	-5.88398	-8.89709	-7.23737	-10.7166	-14.2962	-11.7328	-13.2065	-7.84281	-8.86237	-9.51338	-6.8447	-6.23563	-5.71499	-7.71043	-9.92249	-8.58131	-10.5524	-14.8039	-16.1199
55	-0.18766	-1.5818	-2.43117	-3.19633	-3.38873	0.659796	1.668113	1.789369	3.42147	4.32305	2.643543	1.773888	2.797422	0.720104	-1.65781	0.392428	-0.95584	-5.26896	-6.47266	-4.31644	-11.5247	-11.3149	-16.6934	-11.6866	-8.9144	-4.8066	-8.24909	-6.08825	-5.93049	-5.38372	-7.14503	-10.5559	-8.82425	-10.0797	-14.6451	-16.3033
60	-0.18766	-1.69475	-2.58222	-3.47754	-2.09604	1.437961	2.47523	2.095926	3.093283	3.722526	1.780199	1.799863	3.532037	1.945443	0.744175	2.470257	1.288844	-1.87115	-1.70078	-5.19397	-11.1596	-8.5727	-12.2359	-8.7367	-4.9645	-7.10025	-7.21626	-5.74979	-6.166	-5.63911	-6.9558	-11.0438	-9.15125	-9.75592	-14.1417	-16.4771
65	-0.18766	-1.77772	-2.64315	-3.62584	-1.71399	2.030661	2.877703	1.80259	2.254615	2.969688	1.491847	2.78043	4.674294	3.375796	1.213452	-1.23333	-1.01511	-0.10712	-0.78838	-7.77309	-7.78838	-7.38869	-6.34645	-6.10246	-6.75282	-5.68564	-6.58959	-6.32704	-7.18211	-11.4263	-9.4874	-9.56055	-13.8878	-16.6389		
70	-0.18766	-1.82791	-2.60778	-3.6734	-1.33552	2.41916	2.939451	1.070844	1.429983	2.811972	2.21567	3.817766	5.361077	3.923157	2.209595	3.259294	2.329098	-1.2587	-1.295	-0.9746	-4.08518	-7.56691	-7.47205	-6.50132	-5.37993	-6.03212	-6.95877	-5.71354	-6.78998	-7.17624	-7.74836	-11.7134	-9.76123	-9.47079	-13.766	-17.866
75	-0.18766	-1.84479	-2.48286	-3.527	-1.00044	2.64211	2.786941	2.018622	1.254635	3.399751	3.169089	4.32373	5.402767	3.673759	1.458328	2.495594	1.703972	-1.98963	-1.26756	-1.57503	-4.55316	-8.1674	-7.20014	-5.95989	-6.41297	-6.88785	-6.87084	-6.09495	-6.96718	-8.79971	-9.54476	-11.9968	-10.0026	-9.52389	-13.7247	-17.0234
80	-0.18766	-1.83007	-2.28676	-3.32579	-0.72909	2.759742	2.572388	-0.36061	1.707885	4.122498	3.726538	4.326518	5.094819	3.073444	0.706758	1.936819	1.150544	-2.0309	-1.61387	-1.75043	-5.49484	-8.14738	-7.50473	-6.53266	-6.41297	-6.88785	-6.87084	-6.09495	-6.96718	-8.79971	-9.54476	-11.9968	-10.0026	-9.52389	-13.7247	-17.0234
85	-0.18766	-1.78755	-2.04505	-3.07953	-0.5102	2.823526	2.413679	-0.51255	2.21366	4.515961	3.79173	4.10356	4.859289	2.842164	0.813631	0.926319	1.089897	-1.98963	-1.26756	-1.57503	-4.55316	-8.1674	-7.20014	-5.95989	-6.41297	-6.88785	-6.87084	-6.09495	-6.96718	-8.79971	-9.54476	-11.9968	-10.0026	-9.52389	-13.7247	-17.0234
90	-0.18766	-1.72246	-1.78484	-2.82336	-0.35492	2.855538	2.345235	-0.41901	2.409795	4.478643	3.477637	3.867217	4.814258	2.895919	1.087198	2.293156	1.247327	-1.9627	-1.19318	-1.36448	-5.14924	-7.79751	-6.4478	-5.21703	-6.45736	-6.94196	-6.83011	-6.882	-7.81913	-10.1046	-11.6831	-12.2242	-10.0112	-9.76548	-14.1729	-17.1367
95	-0.18766	-1.674086	-1.53023	-2.60064	-0.28624	2.844434	2.323991	-0.31569	2.247286	4.095386	2.93766	3.586266	4.670651	2.676531	1.214386	1.393131	-2.04198	-1.39136	-1.47147	-5.77277	-7.38346	-6.69476	-6.40116	-6.07186	-6.07186	-6.26952	-6.04992	-6.29567	-7.92338	-10.4493	-12.7442	-12.36	-9.79606	-9.9143	-11.5657	-17.1232
100	-0.18766	-1.5489	-1.29966	-2.47118	-0.34021	2.756452	2.274552	-0.33377	1.814136	3.526947	2.312301	3.086924	4.143547	1.884177	-0.20875	1.37068	0.606547	-2.38734	-1.69282	-1.66791	-5.05315	-7.53021	-6.50016	-5.6861	-6.35074	-6.8148	-7.73113	-6.71857	-7.86054	-10.9251	-13.8236	-12.3365	-9.87125	-10.0514	-15.0771	-17.0493
105	-0.18766	-1.45229	-1.10504	-2.42501	-0.55883	2.551465	1.229945	-0.53042	1.234712	2.956525	1.718134	2.268144	3.190847	0.706852	-1.58701	0.354682	-0.32847	-2.2289	-2.0477	-4.50425	-6.95443	-5.1571	-7.37402	-6.74225	-8.11102	-11.8864	-14.7014	-11.37402	-6.65726	-10.4789	-17.5713	-11.7189	-15.7113	-16.9075		
110	-0.18766	-1.35587	-0.95208	-2.47551	-0.98359	2.191512	1.854547	-0.9054	0.651569	2.55099	1.299633	1.265465	2.013964	-0.46791	-2.46053	0.46882	-1.23078	-4.32778	-3.01937	-2.6597	-6.0861	-9.0874	-6.75748	-5.90336	-8.40003	-10.8332	-8.81583	-7.35439	-8.96922	-13.3337	-14.789	-11.2527	-9.34178	-10.3045	-16.4847	-16.6948
115	-0.18766	-1.26341	-0.84125	-2.60668	-1.65156	1.663723	1.452946	-1.37608	0.212699	2.397329	1.219891	0.524099	1.06118	-1.25789	-2.82356	-0.95288	-1.82104	-4.96654	-3.62109	-3.35935	-6.90867	-8.05923	-6.75392	-6.35154	-8.40003	-11.4807	-9.9097	-8.46931	-10.3132	-14.6084	-13.9084	-10.372	-8.9892	-10.4855	-17.4047	-16.4142
120	-0.18766	-1.17753	-0.76914	-2.78189	-2.59214	0.940497	0.962745	-1.77355	-0.0036	2.421672	1.417455	0.352632	0.615383	-1.4652	-9.9288	-1.21724	-1.85945	-6.01796	-6.6626	-6.753	-7.4423	-8.94807	-6.74502	-6.33888	-8.17014	-11.1345	-10.5699	-9.59966	-11.5785	-14.6923	-12.6305	-9.53619	-8.6098	-10.6852	-18.9495	-16.0742
125	-0.18766	-1.09975	-0.73003	-2.74261	-3.18107	0.008536	0.42586	-1.95404	-0.03587	2.441743	1.586248	0.410992	0.615383	-1.11045	-2.74249	-1.18007	-1.43637	-3.81198	-4.35358	-3.81988	-7.38544	-10.0688	-7.84125	-6.26386	-8.17014	-10.3311	-10.5267	-10.3181	-12.0463	-13.558	-11.3986	-8.86628	-8.53567	-11.034	-17.4973	-16.6881
130	-0.18766	-1.03061	-0.71737	-3.04688	-5.29419	-1.16746	-0.15558	-1.83119	0.023276	2.323154	1.52092	0.266677	0.593734	-0.64515	-2.04997	-0.70974	-4.03288	-3.12329	-3.31623	-3.73542	-6.18795	-12.6725	-9.9297	-6.23998	-10.0583	-10.5658	-10.5219	-11.3558	-11.8805	-10.335	-8.42409	-8.58831	-11.5496	-12.0703	-15.2715	
135	-0.18766	-0.96979	-0.72519	-3.04121	-6.85304	-2.64948	-0.85347	-1.65716	0.00371	2.002238	1.300853	-0.1175	0.200																							

Raw data – ANT11 (5.6GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	
0	-3.20749	-2.42321	-2.20881	-1.54582	-0.91153	-1.45835	-2.64918	-3.57008	-4.55892	-6.11137	-7.48909	-6.48762	-4.9217	-4.67291	-3.64581	-2.3379	-3.44114	-6.14533	-6.01435	-5.7993	-7.58534	-8.9446	-10.7387	-13.5867	-17.3545	-20.0736	-8.82953	-9.48288	-7.5821	-8.61033	-11.7261	-14.8813	-15.7636	-17.7945	-16.2089		
5	-3.20749	-2.51792	-2.37913	-1.68112	-0.83654	-1.11116	-2.12761	-2.80697	-3.57008	-3.69843	-4.84845	-3.81808	-3.88871	-3.04125	-1.78349	-2.8019	-3.50645	-5.30866	-5.25035	-4.98029	-7.06016	-12.0119	-14.9236	-14.2517	-9.30309	-8.85335	-9.18116	-7.19384	-8.06208	-10.5075	-11.1058	-13.5542	-15.6905	-18.3925	-16.5752		
10	-3.20749	-2.62229	-2.57882	-1.83357	-0.74992	-0.74354	-1.60722	-2.57223	-2.70357	-3.23657	-3.57802	-2.16525	-1.31605	-1.89581	-2.00024	-1.19732	-2.34582	-5.20921	-5.90479	-5.94535	-7.40319	-10.3662	-14.2805	-18.4131	-14.5112	-9.30278	-8.88511	-9.51134	-7.50281	-7.61996	-9.06735	-9.64911	-12.1438	-15.1877	-18.8173	-17.0009	
15	-3.20749	-2.73213	-2.79918	-2.00757	-0.68962	-0.44681	-1.35658	-2.13475	-2.03565	-2.18451	-1.59481	-0.31394	0.540075	-0.48843	-1.56011	-0.19732	-2.34304	-6.20662	-6.81288	-6.29977	-8.27687	-11.8985	-16.156	-19.1937	-17.9596	-11.1162	-9.20909	-9.25408	-7.59144	-7.06177	-7.88046	-10.9443	-14.4131	-18.9219	-17.4793		
20	-3.20749	-2.84207	-3.02816	-2.20402	-0.67904	-0.24367	-1.04992	-2.03838	-1.48247	-0.87109	-0.70822	0.317872	1.17225	-0.19299	-1.63221	-0.54314	-2.09108	-7.02662	-8.02366	-8.04869	-12.3814	-15.8759	-19.0454	-15.2014	-12.8035	-10.0821	-9.09681	-7.60095	-6.69895	-7.22744	-7.94307	-10.0625	-13.5523	-18.6637	-18.0022		
25	-3.20749	-2.94578	-3.24639	-2.4135	-0.71017	-0.08838	-1.19946	-1.83966	-0.89895	-0.28807	-0.46625	0.32145	1.39665	-0.10443	-1.11258	-0.50783	-1.04093	-5.69763	-6.94802	-6.87471	-11.3991	-19.1391	-21.4321	-14.3334	-10.3769	-10.5027	-9.58986	-7.94166	-6.8809	-7.7416	-7.82662	-9.50233	-12.7206	-18.0753	-18.5604		
30	-3.20749	-3.05463	-3.42916	-2.61447	-0.7461	0.10084	-0.68826	-1.35332	-0.31277	-0.379662	-0.05898	0.783456	2.014782	-0.70383	-0.33157	1.17726	-2.25523	-4.86996	-5.84373	-5.78829	-8.64513	-16.9677	-22.5926	-14.4941	-8.99552	-8.68577	-9.09293	-8.49464	-7.23446	-7.60291	-8.1633	-9.21578	-11.9826	-17.2806	-19.1435		
35	-3.20749	-3.10726	-3.54901	-2.7776	-0.73732	0.400022	-0.12354	-0.52523	-0.819693	1.626791	1.059428	1.812335	3.040517	-1.54092	-0.40614	6.604119	-0.86994	-8.78025	-7.65331	-6.94589	-7.84614	-14.8697	-22.4635	-17.4489	-8.78475	-8.44391	-10.2671	-8.43824	-8.11142	-7.53139	-8.2229	-8.85016	-13.1747	-11.2857	-13.4923	-19.741	
40	-3.20749	-3.15322	-3.58117	-2.87463	-0.64497	0.840467	0.645152	0.487167	0.864249	3.017583	2.180881	2.400124	3.415559	-1.489484	-1.82713	15.06042	-6.65456	-8.75262	-11.0524	-8.67725	-8.6762	-14.1444	-15.6132	-17.9777	-10.8172	-9.40707	-9.42058	-8.95562	-7.14013	-7.3533	-8.64813	-9.72641	-11.8052	-10.6898	-15.5932	-20.3429	
45	-3.20749	-3.16747	-3.51014	-2.88763	-0.4596	1.388888	1.849442	1.379708	2.965712	3.861738	2.953583	2.024759	2.925506	0.593024	-2.88201	-1.0036	-3.14463	-10.2003	-10.5149	-8.91141	-8.76222	-11.1425	-10.8627	-16.0676	-11.6481	-9.48589	-8.7619	-6.04757	-6.35765	-6.9683	-8.65099	-10.2931	-9.32192	-10.1809	-14.8266	-20.9412	
50	-3.20749	-3.15083	-3.33452	-2.81339	-0.2034	1.96203	2.245739	1.919886	3.191421	3.913654	2.051758	1.098072	2.406518	0.288944	-1.40953	0.834244	-1.0182	-6.40747	-6.7164	-5.66981	-6.74051	-8.62261	-8.41082	-12.6428	-11.7793	-9.16657	-8.21088	-5.62827	-5.98547	-6.66911	-8.31685	-11.282	-9.55328	-9.77138	-14.1622	-21.5315	
55	-3.20749	-3.10351	-3.06749	-2.66108	0.084988	2.473326	2.786759	2.00358	2.770513	3.34287	1.179837	0.998602	3.003778	1.51703	0.632248	2.45402	0.985777	-3.36782	-3.70211	-3.22076	-5.2094	-7.8673	-7.56626	-10.8639	-11.0632	-8.33484	-7.66281	-5.38743	-5.85594	-6.53631	-7.84799	-11.7188	-9.89566	-9.47322	-13.6137	-22.1138	
60	-3.20749	-3.02004	-2.73295	-2.44604	0.370452	2.866266	3.056496	1.651433	1.983416	2.780449	1.187414	2.2914	4.271509	2.899392	1.576631	2.904552	1.740543	-2.19562	-2.52749	-2.11392	-4.66941	-6.06593	-7.54605	-9.86591	-9.9951	-9.9975	-7.72757	-7.34996	-5.1278	-5.68665	-6.46678	-7.38458	-11.9168	-10.3613	-9.29065	-13.185	-22.6919
65	-3.20749	-2.93349	-2.35959	-2.18488	0.63374	3.127092	3.074211	1.016552	1.460346	3.03375	2.975732	3.679159	5.157221	3.496204	1.342972	2.409931	1.838258	-2.51515	-2.57241	-1.89682	-4.67905	-8.05476	-12.7417	-15.1549	-9.0996	-7.655	-7.41929	-4.7811	-5.31249	-6.36827	-7.02716	-11.9451	-10.9227	-12.8728	-13.2723		
70	-3.20749	-2.82444	-1.97578	-1.89432	0.872187	3.277823	2.919184	3.96922	1.733283	3.985794	3.645875	3.476188	5.282522	3.194122	0.403431	1.537665	0.623549	-3.34325	-3.49801	-2.06399	-4.92983	-6.64873	-12.2902	-18.2801	-10.35301	-8.03136	-7.70421	-4.41724	-4.89436	-6.32087	-6.88739	-11.9264	-11.4984	-9.22675	-12.668	-13.857	-22.8597
75	-3.20749	-2.71026	-1.60652	-1.59279	1.091921	3.338218	2.693434	0.058404	2.477715	4.866924	4.268011	4.312111	4.855867	2.442519	0.20119	1.250875	0.367222	-3.3602	-2.57337	-2.03446	-5.14028	-10.76402	-16.5022	-26.5919	-17.87382	-8.59961	-7.96294	-4.25772	-4.7851	-6.56716	-7.07553	-12.0197	-11.9639	-9.28978	-12.5565	-24.452	
80	-3.20749	-2.59929	-1.27231	-1.30344	1.297039	3.407006	2.470153	-0.04479	3.049706	5.259685	4.248231	5.917295	4.485469	2.59685	0.07313	1.700514	0.775872	-2.41548	-1.58765	-1.55018	-6.85691	-6.4331	-12.3025	-26.6023	-20.0859	-8.04723	-4.49248	-5.22312	-7.22476	-7.66749	-12.3649	-12.1911	-9.3609	-12.5207	-25.0315		
85	-3.20749	-2.49929	-0.98922	-1.04938	1.481311	3.436757	2.26556	-0.18272	3.157487	5.122524	3.813577	3.709019	4.598407	2.557242	0.811913	1.159874	1.203894	-1.52852	-0.63156	-0.8934	-6.63709	-6.53091	-6.26173	-6.74373	-7.26137	-9.14921	-7.92431	-5.09692	-6.17811	-8.25469	-6.69976	-13.0061	-12.0914	-9.39205	-12.5406	-25.5553	
90	-3.20749	-2.41699	-0.76928	-0.86231	1.625709	3.452109	2.058188	-0.53589	2.832135	4.612971	3.271904	3.800495	4.883554	2.527047	1.11623	0.258446	1.291884	-1.28434	-0.30392	-0.57261	-6.06849	-5.75957	-5.84965	-6.69469	-8.22441	-7.655	-5.76591	-2.77765	-9.4295	-10.1867	-13.7558	-11.6405	-12.9767	-25.9485			
95	-3.20749	-2.35787	-0.62098	-0.77009	1.701287	3.435311	1.825701	-1.08943	2.288409	3.994871	2.820662	3.815467	4.771069	2.586141	0.725889	2.018307	1.062621	-1.65274	-0.76233	-0.92766	-4.16084	-5.81418	-5.18882	-5.08954	-6.36549	-8.57935	-7.29937	-6.07854	-7.95594	-10.5228	-12.0825	-14.0286	-10.8887	-9.18598	-12.6739	-26.112	
100	-3.20749	-2.32604	-0.4596	-0.79962	1.674218	3.366523	1.653332	-1.69735	1.796748	3.49069	2.367333	3.349377	4.031278	1.47534	0.58465	1.581335	0.534576	-1.7094	-1.83755	-0.88866	-6.22877	-5.07767	-6.85832	-7.75189	-10.0287	-6.02556	-8.09838	-11.4802	-13.9777	-13.2489	-9.95707	-9.93555	-12.7653	-25.9582			
105	-3.20749	-2.32427	-0.5573	-0.97414	1.509747	3.223634	1.284043	-1.28189	1.520817	3.147195	1.697115	2.333256	3.01138	-0.5018	1.235765	-0.104	-3.28877	-2.49887	-2.67248	-5.81773	-7.18084	-5.52123	-5.75381	-8.1222	-9.46273	-7.15839	-6.04773	-8.13291	-12.2263	-14.6486	-11.7392	-8.9904	-8.62987	-12.8751	-25.4621		
110	-3.20749	-2.35397	-0.64307	-1.31181	1.173404	2.993627	1.01245	-2.46213	1.469633	2.91183	0.801806	1.663249	2.127652	0.11428	0.23639	-0.39074	-3.43415	-2.95219	-2.70653	-5.99521	-8.59159	-6.51085	-9.90667	-10.7086	-7.83715	-6.41378	-8.33773	-12.4712	-13.5731	-10.2071	-8.13399	-8.32762	-13.019	-24.6804			
115	-3.20749	-2.41524	-0.80261	-1.82335	0.692275	2.661652	0.773167	-2.54253	1.445646	2.751172	0.004708	1.010688	1.949665	0.587827	0.075587	1.174769	-0.30512	-3.12725	-2.24756	-2.5243	-5.62006	-3.88721	-6.0271	-9.60161	-10.4132	-12.0281	-8.73555	-7.02326	-8.70166	-12.1451	-12.0098	-8.99462	-7.45288	-8.09025	-13.2213	-23.7615	
120	-3.20749	-2.50994	-1.02815	-2.50997	-0.16443	2.208992	0.572499	-2.59394	1.357838	2.615205	-0.32028	-2.35545	1.954017	0.89328	-0.35933	0.829378	-0.26918	-3.13749	-2.59204	-2.71955	-6.08067	-6.64996	-7.10133	-10.1599	-12.2209	-9.36103	-7.74774	-9.21579	-11.5941	-10.7362	-8.14897	-6.99446	-7.9713	-13.5112	-22.6701		
125	-3.20749	-2.62667	-1.30858	-3.35791	-1.26261	1.608996	0.381702	-2.54532	1.068	2.409423	-0.17803	-0.09271	1.8649	0.20899	-1.78916	-0.17263	-0.72577	-3.39838	-3.66669	-3.49946	-6.28259	-9.79781	-8.75643	-7.4719	-9.56617	-11.6744	-9.76859	-8.64366	-9.8421	-10.9028	-9.80048	-7.61928	-6.77855	-8.01293	-13.9189	-21.6167	
130	-3.20749	-2.77081	-1.62976	-2.25037	-2.74434	0.81041	0.13028	-2.58321	0.562018	2.062075	0.121654	0.280164	1.794485	-0.04731	-1.36168	-0.17362	-1.54238	-4.95161	-4.57479	-4.68249	-8.28459	-11.065	-8.85425	-7.81838	-9.36717	-11.2585	-10.1464	-9.54563	-10.1328	-10.2265	-9.10761	-7.36084	-6.82021	-12.4686	-14.4715	-20.5979	
135	-3.20749	-2.93451	-1.97543	-1.11726	-4.73065	-0.30064	-0.29107	-2.6673	0.																												

Raw data – ANT11 (5.725GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
0	-0.91718	-0.73259	-0.57318	0.36484	1.148464	0.002255	-0.113395	-0.47668	-1.21193	-2.60346	-3.5289	-2.51407	-1.58028	-2.20214	-2.5237	-1.86106	-2.98801	-5.80109	-6.55448	-6.14465	-7.49303	-10.2899	-12.3856	-13.9602	-14.7801	-10.5779	-9.58888	-11.2786	-8.91609	-8.83164	-12.3728	-14.3809	-12.8724	-13.0062	-17.351	-17.8084
5	-0.91718	-0.74577	-0.57183	0.448396	1.370309	1.266953	-0.107891	-0.37588	-1.13416	-2.28738	-2.97587	-2.1402	-1.54308	-2.24340	-2.5199	-1.46645	-2.5585	-5.36462	-6.5058	-6.4846	-8.61139	-11.9458	-14.6975	-15.8305	-14.4922	-11.646	-11.5766	-8.6951	-8.81739	-11.8761	-12.9432	-13.3285	-13.003	-17.9608	-18.6674	
10	-0.91718	-0.7613	-0.57694	0.51662	1.585337	1.684003	0.831172	-0.21304	-0.9352	-1.7622	-2.2476	-1.62278	-1.03399	-1.76189	-2.1731	-1.23157	-2.1205	-5.569	-7.30758	-7.6008	-10.3343	-14.3593	-17.9875	-19.6965	-16.433	-12.0952	-11.4496	-11.4164	-8.8067	-8.77264	-10.9418	-11.7204	-11.7832	-12.8205	-18.1631	-19.6612
15	-0.91718	-0.77643	-0.58496	0.575025	1.748517	2.000459	1.02771	-0.11677	-0.74671	-1.22538	-1.66857	-1.1471	-0.44747	-1.38154	-2.35237	-1.38154	-2.55582	-8.38136	-8.5758	-11.7007	-16.9932	-18.3057	-15.7307	-11.6932	-11.8713	-13.3058	-11.631	-10.8005	-8.77327	-10.48471	-10.0437	-10.9256	-11.351	-12.509	-17.842	-20.7913
20	-0.91718	-0.78834	-0.59198	0.559962	1.831007	2.196993	1.245857	-0.08239	-0.51409	-0.72733	-1.33131	-0.87021	0.061257	-2.1993	-2.64759	-1.38655	-2.91748	-8.0345	-8.25126	-11.1236	-11.0999	-17.9627	-17.556	-17.0343	-14.7916	-13.1264	-12.4602	-10.6586	-8.71552	-8.28446	-9.60976	-10.6489	-11.1006	-12.1086	-17.1118	-22.0528
25	-0.91718	-0.79426	-0.59327	0.52525	1.828259	2.263632	1.300157	-0.06597	-0.25828	-0.26183	-1.01978	-0.40575	0.483512	-0.64679	-2.20454	-0.68552	-2.9408	-7.97551	-7.99091	-11.7714	-10.1267	-15.3667	-18.6065	-18.3218	-12.4956	-11.4204	-12.9945	-10.6138	-8.77102	-8.43734	-9.74434	-10.8804	-11.0543	-12.0985	-16.2001	-23.4286
30	-0.91718	-0.7917	-0.58303	0.450013	1.75791	2.315787	1.334092	-0.01515	0.07716	0.36107	-0.40725	0.24754	1.953407	0.303273	-1.51153	0.142796	-1.80065	-8.06391	-8.90994	-8.51266	-9.258	-13.427	-17.6992	-25.1593	-12.2919	-10.4468	-12.2181	-9.74099	-8.63296	-8.80821	-10.2522	-11.4985	-11.1852	-11.3334	-15.2893	-24.8778
35	-0.91718	-0.77863	-0.55466	0.355773	1.65284	2.347912	1.426564	0.138822	0.646692	1.230347	0.20935	1.07683	2.09355	0.953596	-1.34965	0.436377	-0.24636	-8.90397	-9.2401	-9.30696	-8.8307	-12.0352	-17.1046	-13.8738	-10.6102	-11.0979	-8.42582	-8.13766	-9.04993	-10.7049	-12.2376	-11.0396	-14.4708	-26.321		
40	-0.91718	-0.75366	-0.50141	0.25932	1.551781	2.437272	1.635734	0.409883	1.256453	2.047955	1.01792	1.501055	2.998731	1.000851	-1.4102	0.623178	-1.50644	-8.89789	-9.10137	-8.36373	-7.92291	-9.93806	-10.2399	-13.396	-15.1502	-10.9998	-10.3599	-7.47289	-7.56922	-8.96923	-10.683	-12.7184	-11.7302	-10.8332	-13.8004	-27.6323
45	-0.91718	-0.71625	-0.41745	0.183877	1.488603	2.608489	1.953179	0.698032	1.649042	2.475129	1.087287	1.245325	2.83426	0.892395	-0.93218	1.158352	-0.86231	-7.06265	-6.65447	-5.80429	-6.3699	-10.9535	-13.819	-10.6087	-10.0543	-7.07725	-7.17732	-8.66683	-10.1323	-12.6844	-12.0535	-10.7224	-13.2673	-28.6658		
50	-0.91718	-0.66674	-0.2992	0.152708	1.483041	2.826698	2.296293	0.862746	1.691784	2.500714	0.889959	1.155498	2.927372	1.262817	-0.0303	1.732311	-0.00955	-5.1252	-5.15373	-4.73577	-4.61038	-5.86664	-7.942	-9.90802	-12.1624	-9.7145	-10.0301	-7.05106	-6.95151	-8.26681	-9.29592	-12.224	-12.4321	-10.7116	-12.8702	-29.3325
55	-0.91718	-0.60646	-0.14646	0.184429	1.537095	3.049306	2.557547	0.828109	1.519813	2.478107	1.076698	1.743065	3.455941	1.914458	0.493025	1.961318	0.470081	-4.1925	-3.87904	-3.62149	-3.8617	-7.83374	-7.97388	-11.2903	-9.02337	-10.0934	-7.07177	-7.67487	-7.81082	-8.40339	-11.6021	-12.9301	-10.7986	-12.9299	-29.665	
60	-0.91718	-0.53762	0.036831	0.288156	1.638789	3.219675	2.661812	0.627524	1.483675	2.846731	1.910929	2.620851	3.960184	2.225656	0.200807	1.498272	0.33104	-3.73635	-3.76229	-3.34162	-6.2808	-8.97386	-7.16674	-9.29002	-10.7106	-8.75558	-10.1423	-6.87951	-6.43337	-7.31998	-7.58691	-11.0067	-13.5899	-10.967	-12.4234	-29.7867
65	-0.91718	-0.46319	0.242645	0.460367	1.770048	3.307873	2.593783	0.401586	1.8751	3.626274	2.888204	3.196359	4.070474	1.950126	-0.73629	0.582065	-0.25713	-3.98637	-3.56658	-2.88993	-5.71061	-7.73985	-6.40734	-8.52604	-9.90385	-8.82935	-10.1353	-6.44587	-6.03842	-6.85904	-6.92589	-10.5126	-14.3619	-11.1799	-12.3345	-29.822
70	-0.91718	-0.38669	0.459632	0.685159	1.913353	3.312611	2.395335	0.326316	2.60805	4.545773	3.53008	3.294123	3.824835	1.326762	-1.72896	-0.06185	-0.76985	-4.24694	-3.41491	-2.62567	-5.30173	-7.08324	-6.13343	-7.86223	-9.00111	-9.12957	-10.0267	-5.97017	-5.71262	-6.52715	-6.48095	-10.1501	-15.0401	-11.3765	-12.3044	-29.8395
75	-0.91718	-0.31197	0.674446	0.93788	2.054436	3.253566	2.140331	0.462326	3.353543	5.046678	3.799576	3.154528	3.640856	1.054132	-1.58274	0.109809	-0.77692	-4.15273	-3.2149	-2.49296	-5.3195	-7.07671	-6.26633	-7.47933	-8.38286	-9.58761	-9.83881	-5.69791	-5.61897	-6.40582	-6.30643	-9.95679	-15.2937	-11.4831	-12.3077	-29.8409
80	-0.91718	-0.24293	0.873222	1.190312	2.181752	3.158044	1.896663	0.694417	3.862062	5.319522	3.740593	3.18292	3.878023	1.485318	-0.71917	0.068201	-0.36494	-3.61945	-2.70586	-2.21078	-5.25146	-7.03647	-6.3861	-7.21449	-8.04377	-10.0324	-9.63775	-5.73884	-5.80288	-6.52499	-6.45395	-9.98277	-14.9271	-11.4371	-12.3186	-29.7728
85	-0.91718	-0.18333	1.042875	1.41522	2.284753	3.048873	1.679729	0.858586	4.044569	5.300493	3.656731	3.489216	4.358037	2.121249	-0.09423	0.115722	0.109022	-2.94699	-1.91786	-1.83951	-4.90615	-6.82075	-6.45345	-6.84744	-7.64836	-10.1959	-9.42809	-5.99955	-6.16264	-6.87752	-6.96814	-10.2549	-14.0871	-11.2148	-12.3146	-29.5514
90	-0.91718	-0.13656	1.172038	1.589072	2.352395	2.975719	1.542586	0.868224	3.918828	5.044171	3.545622	3.799977	4.682097	2.495868	0.00486	1.220623	0.370632	-2.62899	-2.15676	-1.90412	-4.828	-6.87566	-6.6826	-6.53598	-7.1207	-10.061	-9.1092	-6.2438	-6.53844	-7.4527	-7.86348	-10.7219	-13.0642	-10.84	-12.279	-29.1048
95	-0.91718	-0.10551	1.251606	1.693014	2.372381	2.822734	1.409547	0.345825	4.586198	3.288586	3.808406	3.680404	4.2431107	0.04417	1.129963	0.292725	-0.28548	-6.08304	-6.43034	-6.26594	-6.40058	-7.39826	-6.54478	-6.81434	-6.88480	-8.89242	-8.62139	-6.31431	-6.85164	-8.22113	-10.06375	-11.2142	-12.0578	-12.3607	-12.2045	-28.4162
100	-0.91718	-0.09248	1.274975	1.712764	2.331318	2.693406	1.270744	0.469199	3.01644	3.922889	2.710711	3.395655	4.136801	2.015523	-0.06195	0.962582	-0.11107	-3.68223	-3.65288	-3.59955	-6.57027	-7.27172	-7.25213	-6.16068	-7.28076	-9.91632	-8.20177	-6.31953	-7.11762	-9.05122	-10.3153	-11.5046	-11.1575	-9.84919	-12.0943	-27.5344
105	-0.91718	-0.09911	1.238071	1.638129	2.215792	2.53462	1.100771	0.149888	2.403888	3.09693	1.740244	2.713652	3.599495	1.589451	-0.00632	0.651263	-0.15835	-4.79131	-3.79157	-3.79575	-6.84083	-8.90575	-7.29513	-6.54849	-8.18929	-10.2692	-8.19456	-6.44374	-7.32486	-9.68861	-11.2384	-11.5045	-10.395	-9.33684	-11.9607	-26.5426
110	-0.91718	-0.12634	1.139281	1.462601	2.014025	2.335273	0.884723	-0.18655	1.846165	2.174225	0.596351	2.134609	3.224008	1.38324	-0.04259	0.799875	-0.79324	-4.20398	-3.30068	-3.31338	-6.40383	-8.72925	-6.89979	-9.59289	-10.23167	-11.0331	-8.60702	-6.66132	-7.42738	-9.99411	-11.6972	-11.3442	-9.77194	-8.8611	-11.8231	-25.5198
115	-0.91718	-0.17448	0.979319	1.183195	1.717377	2.093713	0.635904	-0.49663	1.496537	1.54003	-0.36066	1.756163	3.021038	1.120147	-0.30035	0.775925	-0.60321	-3.90009	-3.00774	-2.95881	-6.00274	-8.26057	-6.52764	-10.1749	-11.967	-9.06246	-6.84739	-7.51799	-10.1684	-11.9396	-11.7349	-9.26838	-8.44406	-11.7407	-24.5217	
120	-0.91718	-0.24231	0.761065	0.808469	1.330932	1.817738	0.383778	-0.74881	1.43945	1.440359	-0.80889	1.23028	2.49309	0.93462	-0.58338	0.538889	-0.59347	-3.91942	-3.2225	-3.21312	-6.41849	-8.45844	-6.40003	-10.3725	-12.6443	-9.40305	-7.126	-7.89204	-10.5018	-12.1407	-10.987	-8.85195	-8.102	-11.6296	-23.5797	
125	-0.91718	-0.33162	0.489341	0.31937	0.822847	1.517805	0.17316	-0.92926	1.594019	1.766191	-1.14298	-0.01703	1.465648	0.87489	-2.10097	0.085541	-0.96038	-4.35573	-3.54821	-3.71234	-7.43685	-9.4604	-6.86582	-7.24524	-10.3732	-13.2076	-8.97683	-7.7476	-8.62524	-10.9976	-12.1241	-10.6517	-8.49657	-7.84919	-11.6219	-22.707
130	-0.91718	-0.43835	0.17006	-0.25142	0.222698	1.19592	0.03602	-1.02505	1.806134	2.357016	-0.57891	-1.18667	2.263634	0.17849	-2.72423	-0.44025	-1.76965	-7.98025	-5.25095	-11.6492	-13.4422	-10.2898	-8.62232	-9.56961	-11.2489	-11.6404	-10.1024	-8.20148	-7.69992	-11.7046	-12.6092	-11.0626	-11.6296	-29.9056		
135	-0.91718																																			

Raw data – ANT11 (5.785GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
0	0.875399	1.085751	0.8946	1.148133	1.532533	1.185462	0.246077	-0.62222	-1.50656	-3.09988	-4.95726	-5.2632	-4.77941	-5.85425	-4.63258	-5.38066	-7.69393	-7.99841	-7.99314	-7.88834	-11.117	-12.749	-15.0323	-15.6738	-11.4359	-11.5759	-12.6188	-9.19032	-9.31995	-12.8508	-15.6958	-13.2518	-13.3075	-18.7571	-18.1552	
5	0.875399	1.135987	0.941295	1.187449	1.621232	1.382827	0.384312	-0.94306	-1.85608	-3.23627	-4.94306	-5.73213	-5.80087	-6.14667	-5.54691	-6.14667	-7.8143	-8.38834	-8.50784	-10.8383	-14.0037	-15.4889	-16.4482	-16.2473	-12.8621	-13.1335	-12.476	-9.9494	-9.11474	-11.5852	-13.0946	-12.2684	-12.9522	-19.4082	-19.0781	
10	0.875399	1.176795	0.963121	1.195381	1.70646	1.64037	0.637728	-0.90206	-2.16763	-3.32387	-4.40762	-4.45632	-3.87812	-4.19175	-4.4239	-3.65515	-6.68822	-7.92208	-9.00557	-9.60887	-13.3207	-18.3571	-19.9768	-20.7224	-18.4378	-13.5862	-12.6109	-11.9226	-9.14274	-8.79773	-10.1066	-11.3157	-11.1135	-12.5404	-19.3521	-20.1217
15	0.875399	1.206267	0.9639	1.16494	1.737109	1.819273	0.772674	-1.09948	-2.55293	-3.43763	-4.03559	-4.23042	-1.90443	-2.64322	-4.12366	-3.29337	-5.4501	-9.79032	-10.1334	-9.83674	-13.3191	-17.9032	-16.6977	-17.9186	-20.4287	-14.7176	-12.4244	-11.3625	-9.09328	-8.35662	-9.15033	-10.3956	-11.086	-12.1302	-18.5564	-21.2461
20	0.875399	1.236185	0.948093	1.000192	1.675375	1.845529	0.69903	-1.47384	-2.93895	-3.53301	-4.06309	-2.70555	-0.82695	-2.08264	-4.08299	-2.33578	-4.05432	-10.1147	-9.48186	-9.30205	-11.7241	-15.433	-15.13	-15.5799	-17.103	-14.9484	-13.3528	-11.2192	-8.86527	-8.16005	-8.94776	-10.2222	-10.9091	-11.7641	-17.3634	-22.3665
25	0.875399	1.258336	0.921074	0.970361	1.511265	1.72541	0.464817	-1.92537	-3.1612	-3.46176	-4.05368	-2.07885	-0.18297	-1.2823	-2.53966	-2.00815	-2.24399	-8.5586	-7.99508	-9.10041	-13.3145	-15.7913	-17.4605	-16.2357	-13.7745	-13.7452	-10.893	-8.69147	-8.41461	-9.43929	-10.6141	-11.1554	-11.4608	-16.1132	-23.3351	
30	0.875399	1.278004	0.889309	0.812057	1.264181	1.529573	0.220094	-2.19447	-2.79931	-2.63885	-3.11017	-0.78513	1.571729	1.810458	0.64834	1.551369	-0.61909	-7.48077	-7.38541	-8.87376	-9.36347	-11.3863	-14.472	-19.4075	-19.489	-14.5356	-12.76	-9.93246	-8.50238	-8.94236	-10.2857	-11.2298	-11.439	-11.22	-14.9778	-23.963
35	0.875399	1.297051	0.860323	0.629713	0.977521	1.366428	0.165151	-1.96776	-1.59272	-0.89697	-1.38319	0.571929	2.731917	1.353208	0.28292	2.276188	-0.07233	-7.45289	-7.18828	-7.88561	-7.7471	-9.38316	-11.0734	-13.6427	-15.9487	-14.0693	-11.6028	-8.85777	-8.21149	-9.36777	-10.8457	-11.545	-11.6554	-11.0345	-14.0174	-24.1224
40	0.875399	1.317148	0.842353	0.444728	0.708809	1.337683	0.277449	-1.26141	-0.12739	0.85701	0.066528	1.275168	3.19304	1.724539	0.32047	2.234086	0.039005	-7.28241	-6.70974	-6.82762	-6.35855	-5.58719	-8.36891	-10.036	-18.2911	-13.677	-10.7936	-8.17548	-7.91467	-9.37103	-10.6599	-11.226	-11.6795	-10.9019	-13.2353	-23.8514
45	0.875399	1.339647	0.843625	0.283364	0.515122	1.483416	0.947813	-0.44923	0.946276	1.996988	0.808568	1.343669	3.11057	1.575002	0.05373	1.95205	-0.07732	-6.37093	-5.91988	-6.10674	-5.56815	-4.70241	-7.20411	-6.56815	-6.86366	-11.6985	-10.3404	-7.9648	-7.70824	-9.16346	-9.97708	-10.5027	-11.5487	-10.8309	-12.6199	-23.318
50	0.875399	1.365467	0.871286	0.172975	0.435901	1.607873	1.533287	0.161594	1.493846	2.569113	1.11287	1.31473	3.020796	1.48096	0.08365	1.692396	-0.07795	-5.93046	-5.32066	-5.5489	-4.62507	-8.24734	-7.82795	-8.39858	-11.2316	-9.97106	-10.2289	-8.02779	-7.53958	-8.86697	-9.23527	-9.79655	-11.4314	-10.8392	-12.153	-22.6667
55	0.875399	1.394966	0.930162	0.136371	0.480726	2.08127	2.00905	0.497693	1.753644	2.971155	1.531183	1.63470	3.201917	1.57908	0.28404	1.322198	-0.13091	-4.8718	-4.87958	-4.80496	-6.79873	-9.05661	-7.8079	-8.14806	-10.2897	-9.1184	-10.29	-8.01278	-7.28335	-8.50977	-8.60791	-9.33175	-11.5011	-10.9424	-11.815	-22.1023
60	0.875399	1.428044	1.021649	0.185536	0.629732	2.366722	2.293183	0.654225	2.04995	3.56321	2.269926	2.211029	3.406277	1.467986	-0.935	0.691942	-0.37666	-4.7104	-4.63509	-3.88935	-5.949	-7.90356	-6.455	-7.62306	-9.84206	-8.78103	-10.2128	-7.66078	-6.8869	-6.09223	-8.08965	-9.1347	-11.8569	-11.1402	-11.5854	-21.5926
65	0.875399	1.463836	1.143093	0.317576	0.845435	2.578256	2.396624	0.870088	2.712631	4.335755	3.002073	2.582638	3.426693	1.057436	-1.8611	0.036035	-0.74391	-4.66941	-4.38885	-3.21107	-4.93057	-6.6462	-5.72046	-7.24587	-9.26275	-8.55747	-9.93749	-7.02098	-6.39774	-7.64967	-7.63937	-9.1225	-12.4941	-11.4029	-11.4433	-21.1896
70	0.875399	1.501059	1.287928	0.515378	1.08689	2.713066	2.3899	1.089699	3.472009	5.034243	3.477723	2.751649	3.48174	0.855466	-1.95074	0.029804	-0.85514	-4.58632	-4.29979	-2.94474	-4.71904	-6.31772	-5.50337	-7.0367	-8.42255	-8.38872	-9.65148	-6.31668	-5.90899	-7.24023	-7.25416	-9.17803	-13.702	-11.664	-10.372	-20.8969
75	0.875399	1.537958	1.446538	0.75273	1.318981	2.785543	2.350584	1.471193	4.103768	5.462064	3.608089	2.896354	3.900751	1.557384	-0.81409	0.729034	-0.46154	-4.57962	-4.28847	-4.46454	-6.37342	-5.52539	-6.66847	-7.98728	-8.40675	-9.4444	-7.54577	-5.53155	-6.93985	-6.96067	-9.23216	-13.8826	-11.8307	-11.3359	-20.7095	
80	0.875399	1.572466	1.607602	1.000082	1.515825	2.808873	2.313268	1.791286	4.42249	5.551039	3.559062	3.196255	4.537793	2.49006	0.357871	1.466328	-3.45118	-3.10859	-2.31255	-4.63729	-6.07638	-5.20371	-6.24839	-7.20175	-8.68378	-9.27217	-5.41087	-5.35609	-6.84316	-6.97423	-9.31446	-14.0007	-11.8191	-11.3304	-20.618	
85	0.875399	1.602255	1.759523	1.234218	1.660444	2.786644	2.26444	1.91021	4.371359	5.353897	3.468577	3.571973	4.923502	2.93772	0.734125	1.75541	-0.567248	-2.86272	-4.40706	-4.73861	-4.26773	-5.74303	-5.10006	-6.01419	-6.96724	-8.03432	-9.00499	-5.38984	-5.44546	-7.04772	-7.28673	-9.51266	-13.5666	-11.6012	-11.3351	-20.6116
90	0.875399	1.625391	1.891656	1.431815	1.742472	2.714408	2.164696	1.792583	4.002701	4.919511	3.532361	3.737321	4.486164	2.704584	0.220074	1.477198	0.558793	-2.77279	-2.2277	-1.59066	-4.22566	-5.72522	-5.57257	-6.28011	-6.60664	-8.28606	-8.94632	-5.56502	-5.83094	-7.6223	-8.01834	-9.88035	-12.8241	-11.2193	-13.402	-20.6783
95	0.875399	1.639474	1.995151	1.578936	1.757532	2.584562	2.001421	1.406196	3.445799	4.366447	3.151607	3.574926	4.357981	1.980435	0.69381	0.858415	0.148848	-3.22679	-2.62042	-2.0325	-4.68022	-6.58737	-6.31195	-5.75899	-6.62916	-9.38126	-8.86613	-5.99041	-6.52361	-8.54149	-9.0852	-10.3741	-10.2337	-11.3414	-20.8057	
100	0.875399	1.642575	2.06344	1.6661	1.696575	2.389904	1.771601	1.128897	2.871142	3.596578	2.787276	3.504592	3.760217	1.712419	1.33282	0.295143	-0.43161	-3.36853	-3.17533	-2.72325	-5.59632	-6.73567	-6.99507	-8.84649	-6.53916	-9.63173	-8.79017	-6.49724	-7.31911	-9.57675	-10.2804	-10.8637	-12.0339	-10.2823	-13.3909	-20.881
105	0.875399	1.633729	2.09241	1.688662	1.56419	2.126648	1.485428	0.797983	2.432941	3.276687	2.229301	2.968699	2.778106	0.584472	-1.38813	-0.09512	-1.02475	-3.37336	-3.54045	-3.44429	-8.16765	-9.14148	-7.72281	-6.26979	-7.28997	-9.98917	-8.72449	-6.87094	-7.85671	-10.3046	-11.2751	-11.2205	-10.7662	-8.85507	-11.3407	-21.1911
110	0.875399	1.611263	2.080367	1.646498	1.362508	1.798939	1.154386	0.557471	1.917772	2.681596	1.631574	2.869386	1.922961	0.457916	-1.26015	-0.3898	-1.55358	-3.7897	-4.00143	-3.8297	-4.00143	-10.9992	-12.4922	-6.73814	-8.22732	-10.3315	-8.69918	-6.99748	-7.9443	-10.5262	-11.8926	-11.4099	-10.3331	-9.4711	-11.3507	-21.4229
115	0.875399	1.57463	2.027835	1.543786	1.102175	1.424404	0.791358	0.382056	2.100331	2.526181	1.136254	1.573954	1.241509	0.487062	-1.4279	-0.66055	-1.93596	-5.29043	-4.32359	-4.40471	-8.36518	-11.4337	-9.93966	-6.83083	-8.3927	-10.61	-7.80506	-7.07151	-7.90325	-10.5474	-12.2305	-11.4416	-10.0088	-9.2143	-11.3779	-21.6638
120	0.875399	1.523482	1.972217	1.388623	0.800557	1.036206	0.422151	-0.21363	1.035284	1.01384	0.551954	1.273484	2.382838	0.72786	-1.76193	-0.60595	-1.92776	-5.70896	-4.80426	-4.37345	-8.36767	-11.5832	-6.68015	-8.396	-11.2962	-9.3399	-7.49671	-8.17514	-10.7021	-12.3672	-11.3047	-9.75491	-9.00087	-11.4307	-21.902	
125	0.875399	1.457814	1.812317	1.192227	0.478523	0.677135	0.093922	0.079804	0.008974	1.821035	-0.72562	0.641606	0.459128	-0.05758	-1.65229	-0.14031	-1.33129	-4.95118	-4.22624	-4.43106	-7.98603	-9.25728	-6.66825	-6.98986	-10.5688	-13.2997	-10.7885	-8.4581	-8.83667	-10.9526	-12.189	-10.946	-9.53282	-8.84774	-11.5183	-22.1266
130	0.875399	1.377908	1.657725	0.967617	0.154575	0.381256	-0.12	-0.01885	0.509932	1.76519	-1.86431	0.94909	1.14552	0.27143	0.97645	0.69523	-0.52806	-3.88783	-1.04946	-3.62468	-8.98389	-8.62829	-6.00842	-12.9854	-16.8777	-12.5005	-9.45762	-9.433	-10.9512	-11.6068	-10.3842					

Raw data – ANT11 (5.85GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
0	-0.98573	1.613567	0.366934	-2.59564	2.930294	2.058252	-0.69208	1.410813	1.601367	-0.03131	-2.5615	0.254618	1.894497	2.106509	-0.13208	-3.97133	-6.96068	-9.69259	-14.3566	-10.9158	-10.6867	-13.7023	-12.8487	-11.442	-9.43711	-7.34824	-8.83537	-10.1156	-9.51256	-10.7589	-10.9131	-13.2922	-19.1095	-19.1897	-10.9991	-7.96228
5	-0.98573	1.363446	0.550347	-2.05396	1.869128	1.344594	-1.67398	1.368567	1.376911	-1.90345	-2.83897	-0.85686	-0.62672	0.028307	-0.41407	-4.336	-6.25635	-7.29193	-11.0264	-17.7349	-25.5852	-19.6993	-13.3434	-10.2875	-9.6959	-9.1917	-9.49137	-10.2515	-12.0251	-11.5775	-12.8929	-20.5617	-19.3654	-17.29	-10.5559	-8.0943
10	-0.98573	0.693016	-1.39043	0.86616	0.769604	-0.45827	1.360268	1.163605	-1.11206	-1.87308	-2.13712	-0.85866	-0.42144	-0.36781	-0.50751	-5.5051	-5.5051	-7.4733	-9.02142	-10.89182	-13.0496	-11.7139	-12.2589	-12.1381	-11.2925	-8.73897	-7.9918	-9.37265	-9.73555	-12.101	-11.9012	-14.8975	-16.171	-10.2758	-8.08935	
15	-0.98573	0.763653	0.751563	-0.72391	0.121414	0.385784	0.159741	0.922024	0.370376	-1.4449	-2.5326	-2.32057	-0.8464	0.161475	-0.88995	-3.43697	-4.67157	-6.20415	-8.65344	-9.95131	-9.83832	-11.0195	-8.60217	-7.81251	-9.25487	-10.3083	-8.56862	-8.34509	-8.79417	-10.0954	-11.5848	-13.1138	-16.0932	-9.93745	-8.20782	
20	-0.98573	0.41391	0.692433	-0.16963	-0.29557	-0.03552	0.28269	0.045941	-0.92884	-2.14725	-3.68061	-2.56552	-0.50266	-0.29777	-0.54234	-5.70072	-5.52956	-7.50252	-8.85058	-13.0035	-10.8929	-10.4653	-6.66899	-6.61683	-9.4743	-11.1386	-10.6668	-10.2572	-9.80103	-10.6798	-13.6842	-16.8346	-19.7221	-8.37116		
25	-0.98573	0.034563	0.491505	0.202055	-0.45619	-0.48687	0.057887	-0.79456	-2.18553	-0.20291	-2.31778	-3.91783	-4.97577	-6.12114	-4.49491	-4.1781	-3.02782	-3.96089	-4.840915	-5.3565	-6.95633	-9.51881	-9.5084	-6.93361	-5.87704	-7.3432	-10.2269	-11.8441	-12.4841	-11.665	-12.4442	-16.8624	-17.4708	-9.54504	-8.58632	
30	-0.98573	-0.367	0.134118	0.371968	-0.41427	-1.17459	-0.23806	-0.58932	-2.14881	-1.17117	0.511345	-1.172768	-1.821484	-2.60014	-1.47061	0.76238	0.550667	-0.16603	-1.5047	-3.12842	-4.28808	-6.0925	-6.95989	-6.62575	-7.60044	-9.2879	-9.2592	-7.85413	-7.66781	-10.5712	-14.5187	-16.0683	-21.7441	-16.5513	-9.40965	-8.86094
35	-0.98573	-0.77797	-0.38264	0.35053	-0.11843	-1.55995	-0.2916	0.772781	-0.25611	-0.44366	1.55801	2.60189	5.621227	3.72281	2.662285	1.289895	0.682602	-0.15738	-2.1364	-4.97598	-7.55598	-13.1053	-14.1329	-10.9174	-8.44024	-10.0993	-9.28627	-6.4847	-6.01858	-8.86337	-13.2846	-14.4114	-17.3092	-14.5326	-9.3931	-9.20332
40	-0.98573	-1.17895	-1.04322	0.172304	0.474011	-0.90227	0.023847	0.994424	1.963017	0.617441	0.846169	2.028379	4.028385	0.942383	-0.28251	-4.58349	-7.29056	-8.58349	-9.75788	-8.58349	-9.93365	-11.6152	-12.3866	-8.28767	-6.14977	-6.27569	-7.09573	-7.90824	-9.59805	-10.514	-10.745	-13.2019	-12.7553	-9.3507	-6.62216	
45	-0.98573	-1.54294	-1.79949	-0.12297	1.242208	0.701105	0.728112	0.616633	3.242306	2.232907	0.792049	-1.17057	-1.1992	-0.81092	-0.80727	-1.40191	-1.8541	-2.25291	-3.54589	-5.78241	-6.76103	-7.3885	-10.0917	-9.3501	-7.3202	-7.08127	-6.41204	-6.56581	-6.74338	-10.346	-11.799	-11.1684	-10.8869	-10.7211	-10.1259	
50	-0.98573	-1.84427	-2.55103	-0.50083	1.935589	2.202455	1.807757	2.363023	3.161386	3.113082	2.377142	1.423861	0.579455	0.395158	0.088426	1.63181	1.08247	0.224286	-0.62956	-1.66623	-3.29197	-4.93714	-5.58964	-7.08239	-6.41204	-6.56581	-6.74338	-10.346	-11.799	-11.1684	-10.8869	-10.7211	-10.1259			
55	-0.98573	-2.04747	-3.13188	-0.93063	2.313665	3.586839	3.039787	2.153828	2.121348	2.669785	3.091874	3.08821	2.957399	2.441007	1.931701	1.460983	0.705808	-0.5699	-2.39911	-4.0312	-5.55284	-6.91276	-8.18984	-8.68537	-7.95049	-6.74338	-6.86518	-9.97816	-11.4727	-13.728	-13.5197	-12.1674	-11.073	-10.745		
60	-0.98573	-2.12767	-3.35684	-1.36149	2.212782	4.037866	3.910189	2.831324	2.109971	2.311226	2.90125	3.33857	3.35573	2.997631	2.451339	1.827514	1.16182	0.407929	-0.50984	-1.95578	-3.52208	-4.93697	-6.60001	-9.22878	-6.98507	-7.49138	-7.11806	-8.05987	-8.53819	-9.76229	-13.3924	-15.634	-12.8604	-11.2111	-11.3217	-12.1834
65	-0.98573	-2.08554	-3.13957	-1.68506	1.554876	3.617533	3.965762	3.615406	3.586699	3.695023	3.61634	3.477321	3.276839	3.04247	2.815109	1.822514	1.167718	0.573336	-0.52948	-3.26095	-4.24662	-6.8002	-9.3302	-6.5006	-7.93954	-6.41311	-5.24974	-7.04865	-9.43306	-10.2318	-11.9483	-12.3984	-11.2928	-11.2928	-12.4143	-13.0119
70	-0.98573	-1.92815	-2.56782	-1.73699	0.412618	2.246012	2.906528	3.391637	4.344375	4.928445	4.771126	4.255449	3.704251	3.116952	2.657037	2.174452	1.67104	0.903241	-0.22146	-1.57595	-2.64662	-3.55755	-4.31383	-5.30224	-7.08227	-7.00001	-5.23714	-5.17858	-6.54333	-6.681	-8.0294	-10.2794	-9.87525	-11.374	-13.6598	-13.8273
75	-0.98573	-1.67948	-1.82587	-1.40336	-0.75073	0.11709	0.862483	1.851037	3.710109	4.919542	5.06426	5.05903	3.784895	3.411185	2.555581	1.774142	1.174742	0.829625	0.229467	-0.79508	-2.00133	-3.32583	-4.86032	-6.09595	-7.00032	-6.98827	-6.93997	-6.5096	-6.59912	-8.8121	-11.941	-10.4635	-9.56473	-11.5876	-14.7301	-14.5071
80	-0.98573	-1.36988	-1.0763	-0.75332	-0.98056	-1.32862	-1.4034	0.048158	2.551765	4.301028	4.828603	4.440766	3.774995	3.246804	2.716149	2.046129	1.388017	0.748146	-0.1858	-1.45142	-2.41365	-3.83582	-3.75721	-5.61154	-6.62501	-6.72783	-7.57503	-8.57007	-9.0897	-10.5712	-14.2523	-13.0147	-10.5915	-11.9842	-14.974	-14.8872
85	-0.98573	-1.02897	-0.41726	-0.00225	-0.02233	-0.32754	-0.58893	0.385319	2.384145	3.920091	4.483464	4.333093	4.014875	3.752664	3.377781	2.990769	2.407645	1.98416	0.931649	-0.73285	-2.29655	-2.96654	-3.58802	-5.26416	-7.42456	-7.26033	-6.09563	-6.40049	-8.43429	-10.3116	-13.0367	-17.559	-12.9713	-12.3066	-14.0795	-14.8376
90	-0.98573	-0.68119	0.105834	0.638234	1.212789	1.396123	1.217435	1.655483	2.680804	3.440069	3.588227	3.472699	3.537786	3.253733	2.966883	2.085549	1.417857	0.889389	-0.05445	-1.54963	-2.92561	-3.7613	-3.77787	-5.24461	-6.80926	-8.98278	-7.79977	-5.69814	-6.51438	-9.13304	-11.0325	-16.4947	-15.3784	-12.0263	-12.4597	-14.3615
95	-0.98573	-0.34427	0.479728	1.0357	2.046782	2.35847	1.984708	1.953266	2.26304	2.432198	2.324814	2.31803	2.30474	2.325356	2.16306	1.42363	0.66439	-0.07366	-1.21058	-2.57807	-3.4474	-3.88412	-4.6196	-6.3814	-5.97797	-6.0176	-9.14518	-7.41644	-6.65878	-9.90851	-11.4331	-12.7343	-11.514	-10.9609	-10.7429	-13.5932
100	-0.98573	-0.02961	0.709452	1.128976	2.287499	2.353313	1.594762	1.23712	1.248412	1.58336	1.815311	2.456549	3.388564	3.441196	2.459585	1.427136	0.603866	-0.43478	-1.85957	-3.10295	-3.67321	-3.71188	-4.466	-6.78564	-6.75497	-5.14015	-6.56407	-8.42673	-7.37443	-11.1017	-14.983	-11.0979	-11.4626	-9.57905	-9.20249	-12.6987
105	-0.98573	0.256458	0.811229	0.901688	1.933886	1.87052	0.544597	0.417928	0.70837	1.45628	1.83341	2.27893	3.28047	2.85732	1.481701	0.368403	-0.26365	-0.16927	-3.79048	-4.66307	-4.94848	-6.41231	-5.2466	-6.20166	-5.56883	-7.62887	-7.17285	-9.40306	-22.5296	-11.2735	-9.85425	-8.37286	-7.94934	-11.8011		
110	-0.98573	0.511341	0.809134	0.365334	1.060708	0.085328	-0.08389	0.542202	0.99167	1.749492	1.662196	2.007425	2.635452	1.922336	0.398039	-0.36148	-0.99396	-2.30231	-3.56006	-4.43153	-5.36054	-6.53503	-8.45197	-6.36709	-8.26253	-7.11008	-5.76729	-7.64653	-7.5921	-7.77786	-18.4517	-13.0655	-9.37383	-7.55293	-6.96976	-10.9691
115	-0.98573	0.734884	0.733161	-0.44559	-0.24346	-1.24937	0.123918	1.383452	2.105279	1.639916	2.203767	2.743151	3.28158	-0.1271	-0.44471	-0.50028	-3.82322	-3.91756	-5.02849	-5.54947	-6.71175	-7.55517	-6.03534	-5.21402	-6.76974	-5.97838	-7.91244	-13.6853	-15.6034	-9.76453	-7.15601	-6.26049	-10.2337			
120	-0.98573	0.928386	0.617173	-1.46863	-1.73329	-1.80317	1.25075	1.570762	1.589007	2.753608	2.024778	2.375404	3.273869	2.319983	0.315348	0.383883	0.077097	-1.18357	-1.6458	-1.43382	-2.58223	-4.10602	-4.78158	-6.18709	-7.3139	-5.18369	-4.49394	-7.05627	-11.4276	-9.54411	-11.3661	-14.849	-10.6379	-7.15124	-5.73465	-9.60495
125	-0.98573	1.093834	0.958814	-2.60072	-3.10023	-1.7221	1.587734	1.174186	1.800396	3.684418	2.558093	2.636475	3.205805	2.954829	0.598205	0.340544	-1.17427	-1.61185	-1.82803	-4.60799	-5.78513	-5.18058	-6.11748	-6.27376	-4.59616	-7.17813	-10.7954	-11.9907	-10.3042	-11.7759	-11.3968	-7.48405	-5.42142	-9.08205		
130	-0.98573	1.23335	0.400296	-3.68456	-0.40554	-1.70056	1.179718	0.124051	2.110675	4.505227	2.972838	2.62762	3.882705	2.483469	0.860323	1.663182	0.725378	-2.03597	-2.41394	-1.1843	-2.15871	-4.27513	-6.46019	-4.86929	-5.43156	-4.29056	-4.5516	-8.84976	-9.66534	-14.1168	-10.2817	-9.78933	-11.5827	-8.08945	-5.27173	-8.65949
135	-0.98573	1.348821	0.353918	-4.51731	-4.49458	-2.1211	0.072534	-2.1074	2.21583	4.752																										

Raw data – ANT11 (5.865GHz)

Theta/Psi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
0	1.658721	2.388051	2.33203	1.55106	1.369946	1.709255	0.879978	-1.02297	-2.46805	-3.78437	-5.78002	-6.14746	-5.37219	-7.80476	-11.1535	-9.62116	-8.98796	-11.097	-12.1235	-12.5483	-12.8208	-12.5876	-12.3964	-17.2364	-17.6333	-12.5028	-12.891	-10.0435	-8.90579	-11.350	-12.0972	-10.5343	-14.4597	-23.4267	-23.413	-14.0407
5	1.658721	2.395378	2.380187	1.447847	1.068835	1.433669	0.719522	-1.34077	-2.86482	-3.8805	-5.80403	-6.97249	-6.56342	-8.14523	-9.49493	-8.9147	-9.13516	-10.8744	-10.861	-12.5471	-15.9017	-15.2305	-14.2439	-17.5038	-17.976	-11.8631	-12.838	-10.9428	-9.86633	-11.452	-10.8037	-13.2357	-22.5754	-25.8017	-14.6358	
10	1.658721	2.392961	2.407973	1.311431	0.709805	1.213655	0.780074	-1.58922	-3.60084	-4.50602	-5.74099	-5.59412	-5.92868	-4.53621	-5.32868	-5.58462	-6.3212	-8.81177	-8.76201	-10.8177	-16.6531	-16.6938	-15.1189	-16.8882	-19.5978	-11.0919	-11.6888	-11.1475	-10.0196	-10.9933	-10.6335	-11.7147	-12.1775	-18.8995	-24.3734	-15.2955
15	1.658721	2.379142	2.418073	1.149289	0.280367	0.891716	0.577488	-1.21986	-4.59485	-5.80885	-6.23845	-4.53621	-1.94184	-2.76081	-5.22083	-3.88058	-4.84003	-8.80466	-7.9259	-8.31087	-14.2631	-15.4059	-13.663	-13.8713	-20.2547	-12.2049	-11.7679	-10.8959	-8.9838	-10.0439	-11.1345	-9.4344	-11.3007	-15.7746	-20.8564	-16.0042
20	1.658721	2.355587	2.41416	0.906965	-0.24937	0.358468	0.124601	-1.01317	-6.3779	-7.50178	-7.20741	-4.30865	-1.00364	-2.10396	-4.62981	-1.69735	-10.9661	-7.7009	-10.1046	-12.6634	-14.9818	-14.7735	-11.8984	-15.7463	-14.4948	-13.0313	-10.3939	-8.49068	-9.88588	-11.7423	-10.0069	-10.4692	-13.7369	-18.0773	-16.7393	
25	1.658721	2.322259	2.401414	0.783565	-0.85305	-0.36647	-0.4821	-3.78866	-6.20864	-6.84951	-6.994	-3.44202	0.253122	0.71001	1.66332	0.885407	-1.55823	-8.33004	-6.71797	-6.52661	-11.7996	-14.4672	-13.9009	-11.4685	-13.2387	-16.4185	-13.4668	-10.5285	-8.90626	-9.28495	-12.042	-10.5894	-9.80035	-11.6608	-15.9305	-17.4708
30	1.658721	2.278666	2.380987	0.609303	-1.45102	-1.08589	-0.67811	-3.50014	-6.32435	-6.84891	-1.16641	-1.42606	0.23091	1.270156	0.302404	2.483469	-0.12807	-7.87588	-6.09489	-6.28473	-10.5947	-14.2662	-13.9403	-13.8622	-16.6924	-12.1871	-10.0003	-9.9274	-9.42523	-11.6925	-10.814	-9.31289	-11.6948	-14.3609	-18.1639	
35	1.658721	2.229264	2.380106	0.47483	-1.88383	-1.45178	-0.63744	-2.03758	-0.81793	-0.05409	-1.26777	0.085673	3.149221	2.371312	0.678391	2.691569	0.040723	-3.48435	-5.98991	-5.93226	-9.04084	-12.9717	-11.4151	-11.7706	-15.9552	-15.4146	-10.811	-8.91942	-9.09875	-9.38857	-10.7227	-10.5119	-9.02396	-9.79405	-13.2407	-18.7846
40	1.658721	2.171339	2.390709	0.417238	-2.00425	-1.21607	0.219494	-0.40069	1.065062	2.028529	1.35779	0.310237	1.312645	2.162627	0.262927	0.874249	-0.66823	-9.15319	-5.38009	-5.48204	-7.72057	-10.7988	-9.95091	-9.80043	-15.2318	-13.6131	-10.3696	-8.18166	-8.41582	-9.16187	-9.60573	-9.9566	-8.9972	-9.50261	-12.483	-19.306
45	1.658721	2.106967	2.428324	0.475111	-1.75923	-0.50367	1.27801	0.825365	1.966576	3.000352	0.83266	-0.39898	2.397426	1.221936	-1.24803	1.836481	-0.85881	-8.42729	-5.45467	-5.20444	-7.41094	-10.3027	-10.3237	-8.52651	-13.3054	-12.7324	-10.815	-7.94845	-7.97523	-9.03083	-8.77111	-9.55144	-9.27059	-9.57716	-12.0277	-19.7261
50	1.658721	2.036383	2.498337	0.673244	-1.231	0.350416	2.177674	1.527145	2.11165	3.28464	0.806739	-0.39485	2.203215	1.885555	-0.248241	-0.12132	-1.71972	-0.40295	-4.97466	-8.07821	-11.6377	-10.5035	-8.84901	-12.6201	-12.2609	-11.4355	-7.88348	-7.82942	-8.11964	-8.3252	-9.46683	-8.81258	-9.68615	-11.8304	-20.0497	
55	1.658721	1.960075	2.599786	1.007316	-0.56664	1.098376	2.748248	1.727899	1.862374	3.467093	1.157583	0.119529	2.602214	1.47045	0.63145	2.446347	0.490944	-6.37222	-3.87246	-4.29986	-8.14022	-11.8623	-10.0573	-8.57017	-12.1129	-11.395	-11.5627	-7.61681	-7.66989	-9.26724	-8.12816	-9.59467	-10.4463	-10.5964	-11.8556	-20.3035
60	1.658721	1.877747	2.723967	1.44056	0.107498	1.64641	2.964226	1.521971	1.703934	3.971727	2.081271	1.221405	3.622713	1.95315	0.97483	3.341799	0.464135	-4.05735	-5.51133	-5.17634	-7.6834	-9.49628	-6.56364	-7.9740	-10.8256	-10.2509	-11.1637	-6.98678	-7.18961	-8.26999	-8.01441	-9.66526	-10.8291	-11.3629	-12.0739	-20.5173
65	1.658721	1.788868	2.855217	1.915756	0.715674	2.205027	2.913649	1.440198	2.027266	4.769604	2.988028	1.8085	3.932483	1.934064	1.74907	1.274987	-0.3261	-7.47739	-8.48093	-3.20828	-5.8096	-8.06443	-5.66649	-7.3883	-9.42314	-9.32936	-10.5245	-6.17322	-6.50262	-9.30747	-8.00889	-9.55621	-10.682	-11.9651	-12.4601	-20.7179
70	1.658721	1.692713	2.973464	2.372932	1.223413	2.234933	2.773645	0.949322	2.721183	5.448888	3.501104	2.020547	4.155425	1.909911	-1.81915	1.278564	-0.66873	-8.4627	-5.52271	-3.71627	-6.25631	-8.32174	-5.74351	-7.44437	-8.45236	-8.77363	-9.76017	-5.5174	-5.96109	-9.61708	-8.29578	-9.43433	-10.1043	-12.3235	-12.9939	-20.9234
75	1.658721	1.588597	3.057517	2.761831	1.619914	2.402758	2.7342	1.185161	3.407485	8.521312	3.653679	2.303638	4.65923	2.442836	0.78551	2.118278	-0.07826	-7.74468	-4.86822	-3.56383	-6.05875	-6.05875	-5.62334	-7.74938	-8.06688	-8.44993	-8.8098	-5.25625	-5.841	-10.3653	-9.00318	-9.54182	-9.42024	-12.3451	-13.661	-21.1471
80	1.658721	1.476172	3.088035	3.04621	1.904702	2.549328	2.878921	1.715037	3.828966	5.857641	3.610581	2.735073	5.42502	3.15212	0.225106	2.962497	-0.18726	-5.81112	-3.23179	-2.81878	-5.68702	-6.05828	-5.62324	-7.54192	-8.06022	-8.27227	-7.91863	-5.47127	-6.22599	-11.4073	-10.0528	-9.97397	-8.84942	-12.3543	-14.4549	-21.3612
85	1.658721	1.357379	3.049656	3.20291	2.07975	2.679938	3.146742	2.254629	3.930546	5.617128	3.449041	2.954431	5.439255	3.560518	0.571147	3.268972	-1.47566	-6.66588	-2.11978	-0.89566	-4.05518	-5.5142	-3.4887	-6.69243	-7.87095	-8.30265	-7.41889	-6.01377	-6.92273	-12.2723	-11.132	-10.6388	-8.44619	-11.8543	-15.3784	-21.5861
90	1.658721	1.228535	2.923243	3.219299	2.145436	2.774702	3.416494	2.628066	3.782738	5.207491	3.163246	2.709938	5.035078	3.502411	0.342489	3.60171	1.046869	-4.70124	-2.15186	-0.84166	-3.56142	-4.20006	-3.03997	-9.89187	-8.1834	-8.39044	-7.22779	-6.47145	-7.44554	-12.3012	-11.8502	-10.17465	-11.6196	-16.4425	-21.7763	
95	1.658721	1.096933	2.732281	3.091197	2.099106	2.801487	3.594087	2.789374	3.518453	4.785982	2.829447	2.198168	4.246504	2.576332	0.011708	2.643297	0.914911	-5.31636	-2.75177	-0.93075	-4.1034	-4.92313	-3.51678	-5.59399	-6.76309	-8.36613	-7.04098	-6.61644	-7.52371	-11.8112	-12.0173	-11.6796	-7.97421	-11.4872	-17.6632	-21.8928
100	1.658721	0.964503	2.452696	2.822086	1.935835	2.740235	3.636461	2.769798	3.273474	5.502135	2.609394	1.875785	3.79423	2.206311	0.07243	2.673927	0.212264	-6.1618	-3.269	-1.63815	-5.18921	-6.26254	-4.16171	-6.53029	-7.54667	-8.53158	-6.81169	-6.73373	-7.49876	-10.9628	-11.117	-11.5863	-7.79303	-11.4718	-19.0514	-21.9564
105	1.658721	0.835881	2.104773	2.424866	1.658085	2.561907	3.539814	2.639108	3.111857	4.361423	2.511361	1.804885	3.63929	2.095192	-0.9462	1.269389	-0.52942	-7.00839	-3.69359	-2.34969	-6.30821	-6.74554	-6.04962	-9.21886	-9.70778	-9.05251	-6.7504	-7.14445	-7.7912	-10.3248	-11.156	-11.0279	-7.59923	-11.5602	-20.5882	-21.8346
110	1.658721	0.716435	1.708524	1.917609	1.242706	2.258867	3.320074	2.465014	2.995465	4.21444	2.353181	1.684925	3.146777	1.770092	-1.21364	1.20357	-1.20357	-7.95502	-4.34762	-2.72016	-5.1586	-8.86608	-9.1176	-11.5629	-9.4061	-7.03878	-7.93897	-8.5864	-10.232	-10.7203	-11.702	-7.38375	-11.7602	-12.1688	-21.6142	
115	1.658721	0.61728	1.292967	1.37415	0.714754	1.832496	2.996108	2.270072	2.829451	3.89795	1.982264	1.203315	2.870391	1.015466	-3.48395	-0.43932	-1.84354	-8.70356	-5.06668	-3.7648	-7.85425	-8.77628	-8.68518	-8.55216	-10.7794	-9.16309	-7.6644	-10.0597	-9.95403	-10.952	-10.6091	-9.20661	-7.1623	-12.029	-23.5152	-21.2121
120	1.658721	0.526847	0.894445	0.728607	0.076134	1.29421	2.581886	2.024039	2.526246	3.309814	1.310992	0.60402	2.162848	0.021495	-3.20125	-0.44746	-2.62691	-6.37458	-3.73458	-3.62591	-7.63688	-8.37458	-8.50805	-9.97875	-8.52006	-8.52006	-10.3139	-11.7979	-12.6713	-10.9415	-8.28251	-6.97341	-12.3998	-24.2011	-21.8754	
125	1.658721	0.465713	0.551845	0.153554	-0.45579	0.068698	2.087396	1.289072	2.063095	2.452724	0.338358	0.177536	1.753336	-0.30879	-3.15495	-0.47184	-2.33357	-6.65079	-3.41503	-2.80002	-6.865	-6.79194	-6.37774	-8.25285	-10.9891	-9.76169	-9.62393	-11.2008	-13.2161	-15.1763	-11.2563	-7.46152	-6.889	-12.8416	-24.0299	-20.3034
130	1.658721	0.439533	0.288648	-0.32719	-1.45195	-0.04363	1.519289	1.80874	1.590638	1.513599	0.66475	0.107724	1.049825	0.046877	1.58677	0.30328	-1.79188	-6.02884	-2.80644	-2.51057	-6.94042	-7.43268	-6.36796	-9.10649	-10.9543	-10.0365	-12.4992	-16.5922	-11.0773	-6.700						

Raw data – ANT11 (5.895GHz)

Theta/Psi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
0	1.660118	2.348223	2.099931	1.113895	0.790767	1.2643	0.563125	-1.351	-2.86371	-4.32742	-6.08973	-5.58317	-4.43022	-6.95071	-11.3828	-11.2545	-10.9134	-12.2839	-13.1383	-14.0313	-14.6593	-12.8796	-12.1765	-16.589	-19.1529	-12.833	-12.8959	-10.2369	-9.18369	-11.2121	-11.2763	-10.0405	-14.4991	-23.5771	-24.4127	-13.9161
5	1.660118	2.337798	2.145076	1.008984	0.453885	0.912009	0.310909	-1.65523	-2.97999	-3.97651	-5.60129	-4.95569	-4.94552	-6.61324	-8.91388	-9.20087	-9.74523	-10.8244	-12.5412	-14.6922	-15.7265	-16.9075	-17.0438	-18.4316	-11.4224	-12.3166	-11.0432	-9.88148	-11.1013	-12.2752	-9.23666	-13.494	-22.1129	-26.7254	-14.5855	
10	1.660118	2.318377	2.177225	0.877526	0.075641	0.633365	0.248572	-1.86171	-3.47869	-4.41204	-5.49953	-4.96651	-3.35607	-4.1278	-6.20529	-6.07298	-6.47842	-8.57722	-8.74565	-9.7841	-16.1049	-17.061	-15.0473	-17.1536	-19.0588	-10.5547	-11.2169	-11.3037	-9.85669	-10.8047	-10.4083	-9.1565	-12.543	-18.5014	-24.0791	-17.3286
15	1.660118	2.280405	2.197775	0.728433	-0.38074	0.270802	0.101689	-2.85653	-4.53087	-5.68527	-6.26214	-4.48403	-2.04822	-1.28525	-5.3987	-4.20928	-4.86575	-5.11923	-6.85045	-8.34142	-8.48627	-15.8049	-14.2943	-14.3038	-19.9065	-12.1301	-11.6227	-10.5852	-9.96084	-10.2113	-11.1739	-9.5369	-11.6206	-15.4507	-20.6389	-16.132
20	1.660118	2.250066	2.209131	0.573115	-0.92896	-0.28086	-0.27246	-2.91777	-5.39195	-6.8205	-7.43395	-6.46557	-1.49475	-2.479	-4.5417	-2.23061	-1.45317	-9.78167	-7.86836	-7.5765	-17.7173	-16.1389	-14.4462	-12.3845	-15.6577	-15.4628	-13.2955	-10.4233	-8.64195	-9.78747	-11.9988	-10.1004	-10.7542	-13.1583	-17.8004	-16.9744
25	1.660118	2.201992	2.215229	0.427778	-1.52282	-0.98962	-0.75659	-3.27125	-4.74175	-5.68619	-6.92335	-6.20298	-0.46268	-1.23884	-2.21967	-0.91521	-7.304	-7.16653	-12.7573	-12.7573	-12.7573	-16.1662	-11.3421	-11.8708	-12.7122	-16.7281	-13.7686	-10.6368	-9.1485	-9.7511	-12.3978	-10.5702	-10.0127	-11.5369	-17.4757	-17.8251
30	1.660118	2.143388	2.221981	0.315383	-2.03698	-1.61525	-0.97687	-2.6015	-2.44012	-2.4833	-3.93708	-1.89248	-1.34289	0.727555	-0.26615	-1.78418	-0.81937	-8.66741	-6.91559	-6.82852	-10.9846	-14.9455	-14.2223	-12.5529	-13.5944	-16.7346	-12.1588	-9.98833	-9.54707	-9.84095	-12.181	-10.7313	-9.4649	-10.4417	-14.2491	-18.644
35	1.660118	2.076624	2.23723	0.260309	-2.9611	-1.78703	-0.5926	-1.27219	-0.09438	0.424451	-1.16559	-0.38966	-2.45893	1.767029	-0.02308	1.917044	-0.74217	-9.4357	-7.04245	-6.74064	-9.34413	-12.7937	-11.4124	-16.1825	-15.6127	-10.5662	-8.76005	-9.07543	-9.7375	-11.453	-10.5535	-9.16418	-9.79028	-13.1915	-17.9988	
40	1.660118	2.009941	2.269782	0.313582	-2.17629	-1.33142	0.297904	0.113886	1.445027	2.222204	0.316392	-0.2435	2.338132	1.43125	-1.12331	1.303903	-1.41244	-9.96375	-6.18028	-6.52466	-8.35097	-11.0455	-9.31184	-10.243	-13.4531	-13.7726	-10.016	-8.00557	-8.33924	-9.49163	-10.5474	-10.2428	-9.14871	-9.52682	-12.4875	-20.0139
45	1.660118	1.973769	2.327367	0.486176	-1.70155	-0.47396	1.307491	1.086765	2.083244	2.988878	0.672036	-1.06036	1.532855	0.398991	-2.02938	1.252541	-1.29367	-8.48053	-5.59342	-6.29929	-10.7946	-8.74928	-9.92988	-13.3043	-12.9441	-10.4726	-7.8993	-7.95824	-9.34819	-9.79333	-10.0633	-9.42794	-9.60512	-12.8205	-20.5026	
50	1.660118	1.826355	2.413898	0.792806	-1.01441	0.438926	2.133063	1.56471	2.005546	3.132493	0.591219	-1.32734	1.48291	0.242283	-1.53086	1.876387	-0.02448	-10.40149	-5.23111	-6.77559	-12.3216	-9.27894	-8.73276	-12.4016	-12.5409	-11.2365	-8.07492	-7.90683	-9.35192	-9.27791	-10.1129	-9.94044	-9.97159	-11.9278	-20.8539	
55	1.660118	1.728109	2.525698	1.213865	-0.2692	1.195581	2.631827	1.575594	1.591519	3.282917	1.001426	-0.18133	2.370452	1.086874	-1.05755	1.989995	-0.22288	-10.66642	-4.1296	-6.46442	-8.78008	-12.9591	-9.17059	-11.9232	-11.7369	-11.6375	-8.1047	-7.82405	-9.30612	-8.87254	-10.2463	-10.4945	-10.5444	-11.9985	-21.109	
60	1.660118	1.622551	2.656819	1.70396	0.28877	1.729734	2.794081	1.22061	1.41054	3.891267	1.123518	3.90413	1.1805	-0.16272	-7.2453	-4.76846	-4.28901	-11.2201	-7.6882	-8.16468	-10.9651	-10.5868	-11.5946	-11.74023	-7.41352	-9.10285	-8.4927	-10.218	-10.7812	-11.1193	-12.2649	-11.2428	-12.2649	-21.2428		
65	1.660118	1.509341	2.787126	2.205445	1.025701	2.063524	2.717272	0.784669	1.857	4.770957	3.079643	1.786906	3.804852	1.689455	-2.44389	0.734655	-0.9211	-8.61624	-5.9084	-4.26395	-6.95659	-9.7777	-6.77139	-7.70631	-9.97832	-9.80874	-11.2215	-7.06646	-6.78792	-8.9724	-8.23918	-10.0008	-10.6013	-11.7411	-12.7034	-21.3426
70	1.660118	1.388003	2.897656	2.663156	1.508855	2.261906	2.590883	0.683712	2.694785	5.486383	3.581267	1.961593	4.061592	1.729499	-2.19879	1.152771	-0.92581	-9.0459	-5.6724	-4.41958	-7.29513	-9.74896	-6.57958	-7.70265	-9.18688	-9.2614	-10.4078	-6.40288	-6.30643	-9.24157	-8.36817	-8.95805	-10.0757	-12.027	-13.2934	-21.4095
75	1.660118	1.25814	2.967366	3.033169	1.85203	2.395861	2.607292	1.098276	3.437443	5.814006	3.63057	1.32381	4.547736	2.356773	-0.82354	2.269539	0.000348	-7.65126	-4.54602	-3.76118	-3.79831	-8.88198	-6.05261	-7.76422	-8.78403	-8.74692	-9.11608	-6.5058	-6.26365	-10.0517	-8.96574	-10.024	-9.47441	-12.0012	-14.0185	-21.4516
80	1.660118	1.119718	2.977214	3.284978	2.084935	2.513006	2.833973	1.77835	3.827918	5.748449	3.438205	2.495027	5.10755	1.577435	-0.22383	3.067951	0.075145	-7.45137	-3.18734	-2.2919	-5.97729	-7.72777	-8.37945	-8.29083	-6.76276	-7.47421	-7.37777	-8.39465	-6.20298	-6.8018	-11.2881	-8.99724	-10.5874	-11.7489	-14.8068	-21.4655
85	1.660118	0.973386	2.912138	3.400055	2.207338	2.625939	3.182665	2.386788	3.850007	5.399012	3.191175	2.777977	5.515316	3.190241	1.436446	-4.99324	-2.45266	-1.12586	-4.93382	-5.16855	-3.67083	-6.56355	-8.3043	-8.21345	-7.37421	-6.79302	-7.77815	-12.5006	-10.7957	-11.3998	-8.57199	-11.4069	-15.843	-21.4396		
90	1.660118	0.820772	2.762295	3.369548	2.225713	2.71845	3.521424	2.786793	3.618638	4.952015	2.989269	2.736405	5.006144	2.832696	1.72285	-2.71002	-0.7002	-0.92927	-3.95883	-4.77389	-3.39087	-5.98922	-7.73281	-8.46632	-7.30317	-7.34249	-8.52787	-12.9701	-11.3249	-12.1548	-8.25775	-11.0847	-16.9537	-21.3585		
95	1.660118	0.664699	2.523878	3.192605	2.143928	2.761629	3.755769	2.954923	3.268764	4.616006	2.910416	2.439229	4.420072	2.627013	0.42949	3.842766	0.601894	-6.04052	-3.7187	-1.46708	-4.59084	-5.31255	-3.68029	-5.83593	-7.45427	-6.87063	-7.24374	-7.42138	-8.61896	-12.4549	-11.447	-12.5172	-7.97082	-10.8441	-18.229	-21.2079
100	1.660118	0.509263	2.219903	2.875823	1.963098	2.726498	3.845881	2.93175	3.02974	4.495986	2.986083	3.399357	2.271875	1.60134	1.842458	-0.01121	-6.74186	-3.68154	-2.70088	-6.30392	-4.67869	-6.77291	-8.37836	-8.87157	-6.97373	-7.26266	-8.28563	-11.4884	-11.2901	-12.3212	-7.67952	-10.7124	-19.7165	-20.9788		
105	1.660118	0.359705	1.801133	2.433966	1.687747	2.592883	3.790489	2.783428	2.849245	4.503463	3.070013	2.231189	3.767903	2.049696	-0.57106	-0.70779	-3.57952	-2.44955	-6.0571	-1.81578	-5.43586	-8.37436	-9.30783	-9.26618	-6.72244	-7.28083	-8.19519	-10.6591	-10.9917	-11.6344	-7.37293	-10.6972	-21.4842	-20.67		
110	1.660118	0.222071	1.347061	1.889531	1.31958	2.354154	3.610211	2.576737	2.694112	4.12178	2.929752	1.862477	3.347572	1.500966	-0.70278	-0.740413	-3.66865	-2.11731	-7.07621	-6.05304	-9.26033	-10.3158	-9.55128	-8.80652	-7.68356	-6.64711	-10.3661	-10.7735	-10.6583	-7.05757	-10.7981	-23.6136	-20.2888			
115	1.660118	0.102632	0.866422	1.275979	0.865139	2.016593	3.332939	2.351312	2.468126	4.072003	2.462856	1.577733	2.5831	0.531699	-0.42087	-0.26562	-1.3594	-7.83735	-4.00605	-3.0918	-7.40002	-8.07895	-6.16167	-8.59148	-11.9443	-9.45284	-7.31643	-8.53909	-9.79953	-10.9071	-10.8865	-6.02093	-6.52853	-11.0149	-26.1385	-19.8481
120	1.660118	0.007161	0.396171	0.634201	0.328598	1.592297	2.989076	2.190668	1.210083	3.44178	1.723278	1.479124	1.787029	-0.44217	-4.25751	-0.24556	-1.72048	-3.7304	-3.90396	-3.00045	-7.39171	-9.98955	-10.0074	-9.75073	-10.9162	-9.45543	-8.14351	-9.75104	-11.7109	-12.5293	-11.4207	-8.61368	-6.57005	-11.3545	-28.727	-19.3639
125	1.660118	-0.05982	-0.02239	0.011307	-0.29007	1.088477	2.560885	1.819538	1.67555	2.97707	0.867797	0.081576	1.485712	-0.62487	-3.05437	-0.04085	-1.79258	-6.31653	-3.14258	-2.62558	-6.91553	-6.6541	-6.02718	-11.8754	-11.7303	-10.0821	-9.1684	-10.8876	-13.7951	-15.3567	-12.1225	-7.76845	-6.39093	-11.834	-29.993	-18.8516
130	1.660118	-0.09567	-0.3509	-0.54318	-0.99071	0.50105	2.058091	1.445841	1.212674	1.724302	0.121211	0.258761	1.785002	-0.00467	-1.77756	0.258337	-1.47154	-6.05273	-2.28389	-2.52456	-1.69879	-7.60953	-10.0495	-14.9489	-10.8495	-10.0339	-11.1156	-14.103	-18.3829	-12.3625	-7.11059	-6.45374	-12.4787	-28.7451	-18.3249	
135	1.660118	-0.09991	-0.56284	-0.98082	-1.75573	-0.17964	1.439																													

Raw data – ANT11 (5.925GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
0	-1.27458	-0.364514	0.3791	-5.01558	1.161472	1.860024	-2.51412	-0.0972	0.548357	-1.95829	-1.38715	-0.00786	1.43769	1.801567	-0.14708	-3.28847	-5.58892	-8.35496	-12.2802	-9.83218	-10.0095	-14.4227	-14.8182	-12.7177	-10.4783	-8.90754	-11.615	-13.3381	-10.737	-10.6427	-12.8476	-17.7084	-19.5654	-18.5713	-12.5441	-10.8325
5	-1.27458	-0.110322	0.373476	-3.78346	0.00703	0.953709	-1.24632	0.537906	0.913158	-0.83687	-1.64063	-2.3093	-1.25716	0.120814	-0.5703	-2.62185	-3.96315	-4.90285	-7.9169	-14.0036	-19.5775	-18.3802	-16.4816	-12.9784	-11.7668	-10.9035	-9.75974	-9.62311	-11.1941	-12.7614	-19.1573	-19.9423	-16.0932	-17.0309	-11.9693	-10.8872
10	-1.27458	-0.16908	0.341373	-2.50603	-0.79404	0.230656	-0.55476	0.673785	0.691616	-0.64057	-1.52695	-2.62969	-1.47988	0.503391	0.514607	-1.22129	-2.71088	-3.98561	-7.3839	-8.00922	-10.205	-10.9541	-14.3158	-11.7729	-10.9149	-10.459	-9.32559	-8.99236	-10.4654	-12.7524	-16.4466	-13.786	-13.858	-16.3401	-11.5152	-10.9913
15	-1.27458	-0.4665	0.244724	-1.42309	-0.97239	-0.13856	-0.25893	0.096968	-0.53937	-1.6697	-1.93214	-1.8758	-0.82935	0.180343	-0.10634	-1.59393	-3.33598	-4.94315	-6.64146	-7.09422	-6.81345	-19.384	-10.905	-10.286	-8.87482	-10.23	-13.1831	-11.09	-9.66304	-10.7418	-11.6864	-11.4321	-13.9321	-16.3845	-11.1654	-11.1549
20	-1.27458	-0.77125	0.053917	-0.60261	-0.68713	-0.28791	-0.23357	-0.77357	-2.08705	-2.66239	-2.79429	-3.6801	-4.84478	-5.77122	-6.70346	-7.89067	-8.86785	-9.54388	-9.5516	-9.64878	-12.6341	-19.384	-12.474	-18.3297	-17.2703	-15.5322	-8.8925	-10.2438	-11.1583	-11.0289	-12.0136	-16.7033	-16.5192	-10.9077	-11.3894	
25	-1.27458	-1.06822	-0.24707	-0.13509	-0.27477	-0.44418	-0.32674	-1.15451	-2.70486	-2.28904	-1.74025	-2.69403	-3.34166	-4.10256	-3.00307	-3.7742	-3.97265	-4.88785	-6.53262	-7.22421	-7.0416	-7.85714	-10.162	-11.26	-10.2067	-7.30698	-7.62268	-9.3468	-11.4017	-13.6752	-13.4504	-15.4017	-23.9193	-15.8426	-10.7442	-11.7077
30	-1.27458	-1.33777	-0.65442	-0.036076	0.099134	-0.6077	-0.30022	-0.42369	-1.88695	-1.36475	0.417115	1.078641	1.688807	2.193696	1.563485	0.444916	-0.12851	-0.12878	-2.77555	-4.33303	-4.90978	-6.11181	-8.2118	-8.71165	-10.7715	-12.3779	-11.9155	-8.83738	-8.42948	-11.7785	-15.3611	-16.9325	-19.9329	-14.3952	-10.6963	-12.1249
35	-1.27458	-1.557	-1.13523	-0.01584	0.456191	-0.48826	-0.00473	0.900494	0.23858	-1.2142	0.642095	1.575864	2.100587	2.022259	0.841894	-0.89948	-1.91095	-2.80018	-5.11214	-7.97061	-6.96962	-13.6837	-20.6412	-11.7253	-10.0879	-8.97979	-8.44497	-6.53113	-6.4269	-9.43533	-12.1554	-12.384	-14.0777	-13.028	-10.8018	-12.6589
40	-1.27458	-1.70294	-1.61702	-0.23005	0.862759	0.187139	0.454567	1.885145	1.43132	-0.79879	1.85545	2.69172	2.102262	1.852068	-0.52482	-0.26593	-0.67416	-1.98208	-5.05118	-11.1786	-9.32278	-18.2084	-11.7248	-12.0844	-11.398	-7.72426	-6.45249	-7.32881	-8.57963	-10.3305	-10.1296	-9.92544	-11.1702	-12.2538	-11.1108	-13.3312
45	-1.27458	-1.75757	-1.98654	-0.51389	1.29538	1.250404	0.943556	1.9843	1.91274	-0.46755	-1.24007	-2.30032	-2.6345	-2.28641	-1.16233	-0.41142	-0.69267	-1.3389	-1.86342	-2.88287	-5.55125	-5.55125	-7.6636	-10.4016	-9.9528	-13.226	-12.021	-10.1458	-9.95615	-11.5853	-12.183	-11.6641	-14.1679	-16.1679		
50	-1.27458	-1.71286	-2.12024	-0.7745	1.616174	2.264445	1.499373	1.238911	1.576623	1.370738	0.577649	1.02035	1.20709	0.485293	0.991317	1.439722	1.079355	-0.09534	-1.34226	-2.72709	-3.54579	-5.28794	-6.80919	-8.4203	-9.02508	-7.67946	-6.76427	-7.04451	-7.98375	-9.7187	-11.5713	-12.4332	-13.0179	-12.6954	-12.5156	-15.1995
55	-1.27458	-1.57357	-1.9512	-0.93754	1.648755	2.830008	2.10207	0.688522	0.204618	0.628579	1.058966	1.54355	1.812635	1.21273	0.570084	1.675328	1.258116	-0.38303	-1.21273	-3.70708	-5.02964	-6.85617	-8.371	-10.4678	-11.419	-10.968	-8.3706	-6.70379	-6.59265	-8.77216	-13.2954	-16.4813	-14.6344	-13.4089	-13.6962	-16.4582
60	-1.27458	-1.35616	-1.51777	-0.95573	1.25761	2.70832	2.471126	1.423536	1.039863	1.105346	1.120142	1.273992	1.541413	1.670181	1.570978	1.175524	0.500706	-0.33826	-1.3323	-2.66891	-4.37195	-5.86044	-6.93966	-8.41601	-9.77602	-11.5229	-10.9531	-10.0873	-10.1957	-10.7554	-13.0207	-14.3729	-13.48	-13.7192	-15.2002	-17.961
65	-1.27458	-1.08435	-0.9354	-0.80597	0.414623	1.726007	1.952284	2.191164	3.008076	3.359505	2.905467	2.224135	1.811092	1.744181	1.79421	1.541675	0.703358	-0.58075	-1.7705	-2.46058	-4.13679	-5.80349	-6.96231	-8.79663	-9.18966	-7.54417	-6.98067	-7.08037	-10.7456	-11.2345	-11.3413	-11.0644	-11.2278	-13.3863	-16.878	-19.6486
70	-1.27458	-0.78365	-0.32792	-0.49213	-0.65908	-0.14985	0.32957	1.595178	3.413728	4.370806	4.196642	3.377418	2.451223	1.674578	1.022457	0.41829	-0.09277	-0.64696	-1.68652	-3.19003	-4.29775	-4.6951	-4.93236	-5.7365	-6.19427	-10.0479	-7.27992	-6.02096	-6.78725	-8.79824	-10.9161	-10.3066	-10.0974	-12.8532	-18.1713	-21.2044
75	-1.27458	-0.47708	0.213983	-0.05765	-1.2944	-2.15752	-2.1117	-0.41048	3.858139	4.099222	3.285657	2.131134	1.260971	0.619568	0.039118	-0.19373	-0.14461	-0.40989	-1.36769	-2.73634	-4.2601	-5.62306	-6.05072	-6.3906	-8.83542	-10.9734	-3.96997	-7.1898	-8.62988	-12.4712	-12.1433	-10.4485	-12.5841	-18.1285	-21.8549	
80	-1.27458	-0.18275	0.637397	0.414074	-0.84828	-2.03139	-2.50003	-1.197	1.49849	3.373102	3.804562	3.185499	2.515639	2.397306	2.375865	2.075586	1.489885	0.599096	-0.61133	-1.84905	-2.57782	-2.9669	-4.24463	-6.99683	-8.05661	-7.4136	-8.72254	-10.7768	-10.3821	-10.1597	-13.5658	-17.1374	-12.3804	-12.6703	-16.6686	-21.0351
85	-1.27458	0.086577	0.916918	0.82341	0.278319	-0.16862	-0.39052	0.715868	2.601109	3.691499	3.726953	3.278675	3.075977	3.027419	2.689828	2.137667	1.665036	1.12619	0.090413	-1.80489	-3.44129	-3.85855	-4.05629	-5.55389	-8.80654	-8.88311	-7.95489	-7.27825	-8.33239	-9.52074	-11.2069	-18.4288	-15.7377	-12.8424	-14.7103	-19.3209
90	-1.27458	0.323976	1.044396	1.083926	1.305407	1.263689	1.036542	1.977268	3.144758	3.750054	2.911654	2.625757	2.781955	2.673804	1.802757	0.544076	-0.2507	-0.59831	-1.32721	-2.79317	-4.33312	-5.1529	-5.37691	-6.4947	-6.32727	-5.85316	-10.6984	-6.53693	-5.9013	-8.26105	-9.83182	-13.3124	-17.1118	-12.6378	-12.8545	-17.4828
95	-1.27458	0.525723	1.022623	1.138585	1.872796	1.717856	1.159778	1.700275	2.064437	2.066647	1.886433	1.329119	1.625217	3.004431	3.83151	1.210882	0.451134	-0.37025	-1.35055	-2.84784	-3.58992	-3.75831	-2.65824	-5.81707	-6.45295	-6.47841	-10.1609	-8.72101	-6.15397	-8.90049	-11.3114	-11.0942	-14.2568	-11.18	-11.2719	-15.8337
100	-1.27458	0.692129	0.862503	0.962386	1.920104	1.267955	0.208266	0.512714	0.493995	1.177975	2.498933	3.419191	3.883303	3.478107	2.148734	0.925934	0.172399	-0.88137	-2.28427	-3.46622	-3.97628	-3.74748	-3.89021	-6.22306	-8.17341	-6.21429	-7.18172	-9.87278	-7.23926	-9.53978	-17.2223	-11.0794	-11.9683	-10.8954	-9.97918	-14.4326
105	-1.27458	0.825746	0.582536	0.599772	1.505391	1.080336	-0.62885	-0.091	0.209453	1.896433	3.968443	3.217142	3.502005	2.603895	3.357487	-0.12593	-0.26237	-0.75681	-5.05648	-4.06328	-4.34763	-4.04631	-6.75997	-5.81901	-9.02177	-7.80529	-6.48196	-8.28772	-7.09793	-7.7408	-20.9344	-12.8897	-11.0992	-10.7096	-9.95959	-13.2633
110	-1.27458	0.930752	0.209569	-0.03735	0.747775	-0.98849	-0.17385	0.722586	1.043555	2.655661	2.739227	2.106174	2.155379	1.327182	0.00763	-0.21048	-0.43376	-1.64026	-3.36166	-4.0496	-5.08222	-5.70578	-5.48117	-6.32203	-8.36166	-6.3596	-6.63666	-7.52586	-7.30807	-6.49276	-13.6757	-16.6277	-11.4212	-9.62832	-8.17583	-12.295
115	-1.27458	1.012251	-0.22023	-0.77008	-0.18307	-1.50256	1.047994	1.479796	1.434112	2.917779	2.353328	2.606097	2.825003	1.974793	0.894818	0.846629	-0.48393	-1.36874	-1.88632	-2.90822	-3.60842	-2.4104	-5.96168	-8.16512	-6.96119	-5.86306	-7.55646	-8.93995	-7.25076	-11.3905	-19.5435	-12.6311	-9.58444	-7.61251	-11.4983	
120	-1.27458	1.075654	-0.66156	-1.55496	-1.09376	-1.27484	1.946814	1.54352	1.350112	3.231148	2.375973	2.378565	3.488028	2.585225	1.155949	1.365801	0.898123	-0.54395	-1.13094	-1.00331	-1.25245	-3.63083	-3.93325	-5.48906	-8.55015	-6.25573	-4.95521	-6.96226	-10.1214	-10.025	-11.3623	-15.4186	-14.0256	-9.91865	-7.24062	-10.8484
125	-1.27458	1.12615	-1.06327	-2.29454	-1.84085	-0.91817	2.168734	0.902719	1.321212	3.760793	2.558865	3.304828	1.983732	1.155885	0.56612	-0.54993	-1.86138	-1.28336	-1.55072	-3.03333	-3.88725	-5.49729	-8.03759	-5.68287	-4.80945	-7.39678	-4.93064	-13.7926	-12.3368	-11.8283	-14.3722	-10.5708	-7.03495	-10.3247		
130	-1.27458	1.168255	-1.37606	-2.89976	-2.40052	-0.88542	1.746185	-0.17648	1.444727	4.164252	2.574743	1.806466	2.817558	1.003488	-0.60023	0.789259	0.010707	-0.62446	-2.72003	-1.5573	-2.74839	-5.34797	-5.70071	-6.04095	-7.84638	-5.15016	-5.15861	-8.8239	-8.93506	-14.7849	-13.75	-10.0691	-13.594	-11.4709	-6.96976	-9.91013
135																																				

Raw data – ANT11 (6.175GHz)

Index	Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	
0	0.286666	1.024132	1.095649	1.137784	-0.22001	0.94116	1.373556	0.305445	-0.72731	-0.45159	-3.79477	-5.86442	-5.32937	-6.51935	-11.0566	-12.3316	-12.6994	-13.8183	-14.5229	-13.0003	-16.7378	-20.8348	-18.1109	-20.9256	-24.3388	-15.7512	-14.2473	-13.9425	-12.3935	-11.9953	-12.5211	-11.9396	-12.6185	-16.9769	-21.0272	-15.4735		
5	0.286666	1.00843	1.137473	-0.01223	-0.82383	0.087662	0.455292	-1.04695	-1.76607	-2.09913	-4.66681	-7.17775	-6.16892	-6.94267	-11.7478	-13.8874	-14.6296	-13.5011	-13.0084	-12.7688	-17.5238	-22.739	-20.2546	-22.178	-18.9476	-12.8897	-13.7578	-14.2577	-12.0712	-12.4152	-13.9588	-12.201	-12.9195	-16.8691	-23.2857	-16.0648		
10	0.286666	0.986019	1.189209	-0.11133	-1.42638	0.018053	-0.35313	-2.22222	-2.67662	-2.62637	-5.14131	-7.4003	-5.95947	-6.66131	-11.9298	-13.5003	-12.9263	-14.1675	-12.965	-11.7613	-14.7116	-17.8193	-18.8063	-20.888	-22.931	-13.9	-13.6194	-12.6499	-12.7664	-14.7267	-12.5548	-11.4979	-15.9263	-25.7656	-16.0273			
15	0.286666	0.95855	1.27885	-0.17019	-1.87437	-0.05938	-1.28588	-2.94708	-3.1552	-2.78057	-5.75596	-8.56218	-6.6946	-11.2003	-13.5003	-14.8194	-11.8035	-14.7784	-15.6088	-12.8272	-13.3071	-18.6641	-18.7663	-16.964	-22.3379	-18.0712	-15.0109	-11.4516	-10.288	-12.3406	-11.5152	-12.7029	-11.4008	-14.5864	-25.7427	-17.2532		
20	0.286666	0.915859	1.381375	0.030629	-1.95848	-1.69093	-1.36199	-2.66765	-2.61583	-2.76895	-4.64234	-6.19441	-5.40047	-5.77444	-7.5009	-9.49084	-8.1842	-16.7496	-17.0199	-14.7832	-18.0008	-21.817	-24.966	-16.082	-17.4388	-18.7077	-17.1148	-12.2712	-10.2813	-11.31	-10.1922	-12.6922	-10.8498	-13.3252	-19.1642	-17.824		
25	0.286666	0.865368	1.563637	0.327004	-1.57363	-1.14256	-1.62632	-1.49585	-1.37995	-1.811	-3.20884	-4.04125	-2.77954	-3.22008	-4.96848	-2.76951	-5.33272	-14.7434	-14.8022	-13.3543	-16.4292	-20.1744	-26.6829	-23.6254	-17.3487	-16.1126	-16.1295	-12.9719	-10.7457	-10.3053	-12.6655	-12.8261	-10.606	-12.3696	-17.2258	-16.3025		
30	0.286666	0.870326	1.65302	0.737101	-0.83453	-1.07167	-1.74627	-1.06267	-1.4081	-1.13344	-3.01164	-2.04057	-3.1076	-1.9105	-2.6065	-4.62818	-2.76951	-4.93909	-15.6251	-11.5086	-11.1384	-16.4379	-18.9694	-16.2629	-20.3934	-17.3742	-13.31	-14.6688	-11.8716	-15.5155	-9.69986	-11.8237	-13.5643	-10.6994	-11.7833	-17.776	-18.7385	
35	0.286666	0.873263	1.811266	1.276051	0.025965	0.804807	-1.240005	0.680804	0.555884	0.666175	-1.76854	-4.02252	-1.68226	-2.61557	-5.51104	-2.406	-5.08836	-12.0586	-7.93996	-9.7667	-11.851	-15.3	-12.536	-12.6418	-11.3828	-18.8784	-14.1408	-10.5338	-9.87843	-9.60034	-11.5881	-14.6747	-11.1806	-11.5615	-14.741	-19.9259	-14.7081	
40	0.286666	0.666043	1.995952	1.82193	0.820262	1.935756	2.042879	0.927425	0.34813	0.206325	-2.48894	-5.51185	-2.27215	-3.2261	-5.99023	-1.37042	-3.2594	-8.5858	-5.7163	-7.2685	-11.8245	-15.828	-14.845	-15.7133	-11.4316	-13.3255	-16.581	-10.96	-14.8371	-10.9037	-9.9702	-9.4923	-11.3398	-15.4486	-10.0272	-11.6685	-14.0408	-19.5299
45	0.286666	0.57444	2.18679	2.34848	1.54347	2.04102	2.284005	0.546025	-0.51667	-0.26029	-2.61359	-3.82058	-2.94714	-1.9823	-3.4003	-0.05755	-1.69784	-5.0977	-4.98413	-6.61414	-13.382	-19.598	-13.0324	-10.767	-13.5474	-19.7067	-10.8507	-10.4798	-9.72488	-9.7488	-10.494	-10.764	-14.742	-12.9943	-12.0424	-13.6188	-19.9438	
50	0.286666	0.480762	2.51739	2.822189	1.89784	2.225173	2.24315	0.107	-0.10599	1.19249	-0.66359	-0.9663	-1.4912	-0.2398	-2.78328	-0.000529	-1.26489	-3.38204	-3.05059	-6.0692	-14.9355	-17.064	-13.7325	-12.0063	-10.6968	-16.705	-10.5699	-10.0886	-9.9695	-9.8063	-9.76043	-10.8208	-10.5635	-12.4462	-13.504	-19.5934		
55	0.286666	0.384662	2.542374	3.222675	2.17299	2.283809	2.1017	-0.7011	-0.102668	1.67780	-0.597561	-2.431271	-0.026258	-3.65498	-0.78673	-2.2395	-0.55553	-5.54589	-4.94902	-11.5997	-16.5276	-17.7308	-11.8232	-15.7192	-14.9073	-14.6494	-11.2023	-10.008	-8.81759	-10.9947	-12.9828	-13.1483	-14.3404	-19.6745				
60	0.286666	0.274465	2.624652	3.547376	2.727287	2.211521	1.415529	-0.31284	-1.514149	4.38666	-0.696845	-2.57127	0.025367	-5.07987	-1.46513	-3.31438	-11.498	-5.77313	-4.9284	-16.5176	-11.0671	-17.010	-14.4628	-14.7479	-13.6156	-11.2022	-10.9036	-9.6578	-8.93515	-9.51462	-11.981	-13.565	-13.6191	-18.008				
65	0.286666	0.16584	2.62222	3.547376	2.727287	2.211521	1.415529	-0.31284	-1.514149	4.38666	-0.696845	-2.57127	0.025367	-5.07987	-1.46513	-3.31438	-11.498	-5.77313	-4.9284	-16.5176	-11.0671	-17.010	-14.4628	-14.7479	-13.6156	-11.2022	-10.9036	-9.6578	-8.93515	-9.51462	-11.981	-13.565	-13.6191	-18.008				
70	0.286666	0.048675	1.879152	3.935572	2.178127	3.3304	3.008258	2.115781	3.426752	5.185148	2.088511	2.285513	2.275731	0.711311	0.29901	0.878508	1.08034	1.61614	1.71799	5.21463	-11.292	-11.5002	-8.908	-10.6648	-15.968	-14.1936	-13.088	-10.4057	-9.7188	-9.7085	-9.9686	-9.40727	-13.612	-14.3764	-16.101			
75	0.286666	-0.069	-2.0091	3.82854	2.00552	6.222174	3.754807	3.913474	4.880708	2.158853	2.785378	3.954785	1.875706	-2.4916	-1.24092	-0.5840	-1.2131	-0.0984	-1.4124	-10.238	-10.2446	-6.9803	-10.206	-16.294	-13.284	-11.2913	-9.9573	-9.11706	-8.748	-8.7092	-7.5666	-8.7043	-13.681	-14.899	-30.342			
80	0.286666	-0.18799	-2.80784	3.041919	1.92151	2.396969	4.23305	3.37508	3.07413	4.5529	2.43276	3.10726	4.01274	1.90519	-2.90611	0.945365	-0.83206	-1.4165	-1.83647	-3.62724	-8.707	-9.5609	-6.7462	-9.4622	-10.3291	-9.76924	-8.77692	-8.95557	-9.7177	-8.108	-7.7499	-8.1747	-13.175	-15.472	-20.048			
85	0.286666	-0.3063	-2.785316	3.041919	1.89195	2.37699	4.50066	3.37058	2.54619	4.5551	2.97538	3.109018	3.37603	1.02703	-3.57784	0.948354	-1.03231	-3.2485	-3.98167	-3.4127	-8.2071	-9.5267	-6.2861	-8.83845	-13.468	-11.2361	-8.37481	-8.7692	-9.0644	-8.0747	-8.1282	-7.8163	-7.7739	-12.9255	-16.007	-20.6578		
90	0.286666	-0.4213	-2.647702	3.834876	1.7725	2.24034	4.57541	3.206572	2.395931	4.73977	3.119049	4.043906	2.66184	0.968308	-3.33403	1.324646	-0.8095	-2.62937	-0.40261	-3.65627	-8.95809	-9.87146	-6.29153	-8.81791	-14.0185	-10.9648	-7.61125	-8.4983	-9.48836	-10.3678	-12.5571	-7.88534	-7.7691	-12.9165	-16.8522	-20.7462		
95	0.286666	-0.52976	-2.646722	3.872252	1.772549	2.452978	4.575401	2.921856	2.395931	4.519967	3.193836	4.10022	2.660922	0.709431	-2.81398	1.507556	-0.52505	-0.84563	-0.36455	-3.40047	-9.67843	-9.47041	-6.12976	-10.0414	-10.7865	-7.6483	-8.06988	-11.403	-8.5819	-8.23375	-7.91574	-7.82539	-7.41251	-10.7042	-20.8774			
100	0.286666	-0.62794	2.245458	3.5064	1.89107	2.250396	4.57356	2.62749	2.467691	5.34263	3.075904	4.20081	3.18023	1.543828	-2.7628	1.259562	-0.46	-2.87891	-3.19795	-2.96765	-9.908	-8.60313	-6.19938	-9.30037	-13.166	-10.5675	-8.20519	-10.0101	-10.7116	-11.1166	-8.38927	-13.3321	-8.0451	-13.212	-17.3105	-20.6688		
105	0.286666	-0.7178	2.00418	3.33115	2.041823	2.587141	4.170042	2.342168	2.507691	5.263913	3.202408	4.16931	3.80217	1.747935	-3.2167	1.42948	-0.50456	-0.58064	-1.0314	-2.2692	-9.5185	-8.1806	-6.04262	-12.199	-14.9699	-10.6968	-10.5016	-10.771	-10.881	-5.7733	-8.42317	-8.42652	-13.4754	-17.4686	-20.4449			
110	0.286666	-0.77728	1.755953	3.15923	2.223741	2.69955	3.99777	2.09477	2.44864	4.89524	2.189185	4.12431	3.92419	1.256748	-3.57668	0.957206	-0.5981	-0.96988	-1.33346	-2.68622	-9.36957	-8.31149	-8.57521	-9.0461	-15.7212	-10.0322	-8.5712	-10.2476	-10.796	-11.5885	-8.88787	-8.86554	-8.8951	-13.6751	-17.5234	-20.007		
115	0.286666	-0.82087	1.591271	2.59729	2.387156	2.79151	3.803787	1.736303	1.917657	4.20518	3.746077	0.00771	0.932619	-0.00797	-3.08966	1.287893	0.74146	-1.99984	-2.80643	-2.74561	-9.26821	-8.3176	-5.5511	-11.5427	-14.1484	-8.7312	-8.0604	-10.8428	-11.173	-11.7958	-9.43026	-8.34542	-8.3057	-13.5745	-19.5345			
120	0.286666	-0.83986	1.308624	2.84052	2.487856	2.487856	2.542938	1.39159	1.402145	3.571182	1.038324	0.02523	2.81801	0.390579	-1.28933	1.595966	-0.01069	-2.6814	-2.51954	-2.54127	-8.48099	-7.56194	-9.39077	-9.39735	-13.33	-10.8212	-11.1488	-10.6156	-9.05794	-10.0357	-9.67348	-13.8439	-15.7459	-18.8013				
125	0.286666	-0.8327	1.12594	2.679565	2.487856	2.802131	3.326455	1.03062	0.805293	2.548053	0.402853	0.375435	2.53895	0.19583	-1.1763	1.740306	-0.02904	-0.26844	-3.2345	-2.24003	-7.45557	-6.29993	-4.72729	-8.585	-13.8189	-8.46669	-7.6345	-8.9203	-11.829	-10.3421	-9.0514	-10.4124	-9.7271	-13.8522	-17.6609	-18.107		
130	0.286666	-0.7925	0.995967	2.50425	2.337659	2.487856	2.90622	0.592338	0.197166	2.148758	0.374471	-2.44146	1.87758	0.005997	-1.36659	1.429494	0.97417	-6.20343	-2.15048	-2.08318	-7.04399	-5.57731	-6.42862	-6.19313	-15.112	-9.4034	-8.0995	-9.31078	-12.1272	-10.6775	-10.2912	-9.7539	-14.0664	-17.8421	-14.27			
135	0.286666	-0.7409	0.918987	2.313847	2.04454	2.189457	2.44049	0.592338	0.197166	2.148758	0.374471	-2.44146	1.87758	0.005997	-1.36659	1.429494	0.97417	-6.20343	-2.15048	-2.08318	-7.04399	-5.57731	-6.4															

Raw data – ANT11 (6.425GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175		
0	1.088021	2.110655	3.360144	3.141193	1.919914	2.339973	2.381506	0.050363	-0.915531	0.466046	-1.43701	-4.55408	-3.20621	-5.1439	-10.616	-6.51911	-8.43221	-19.9171	-15.3756	-15.3184	-17.8431	-19.3066	-20.0214	-21.399	-15.3857	-13.7046	-17.6103	-12.1742	-13.0668	-17.3349	-18.0539	-16.3956	-17.4018	-14.9968	-16.5529	-15.9191		
5	1.088021	2.204087	3.252882	2.964645	1.421576	1.625797	1.777173	-0.83445	-0.38038	-2.24862	-2.80099	-4.21868	-3.26038	-4.72660	-8.7598	-10.7439	-16.6709	-15.6008	-17.4318	-20.8392	-21.3943	-21.7102	-22.3693	-15.3967	-15.4782	-11.6992	-12.6063	-15.3685	-15.5776	-15.6557	-16.0189	-13.427	-15.2427	-16.7545	-14.7447	-16.4545		
10	1.088021	1.96852	3.171934	2.842892	1.057862	1.175201	1.55364	-1.03667	-2.25068	-0.4657	-2.87714	-6.87894	-5.84376	-7.36718	-13.2443	-8.21259	-10.0073	-16.0624	-14.1539	-16.6656	-24.4001	-18.6047	-20.1831	-25.6936	-21.0227	-15.597	-13.7238	-11.0337	-12.1377	-13.3796	-13.3068	-14.2036	-14.7042	-12.3952	-14.8668	-16.8815		
15	1.088021	1.897045	3.127231	2.810968	0.910867	1.095491	1.804488	-0.54847	-2.05572	-0.60413	-2.89564	-7.0302	-5.05792	-6.12311	-13.764	-8.20983	-10.2624	-20.7327	-14.2639	-14.2639	-21.4259	-19.2084	-17.691	-19.4931	-20.0122	-15.4106	-12.2108	-12.9883	-12.4928	-11.9884	-13.0684	-13.8268	-11.8569	-14.1017	-17.0915			
20	1.088021	1.827412	3.124027	2.881259	1.020956	1.326022	2.373282	0.213486	-1.65203	-0.34073	-2.38007	-5.94858	-4.27884	-6.39649	-10.2435	-6.59357	-8.39557	-17.1908	-13.2809	-17.8325	-22.9511	-21.44	-22.2431	-20.9655	-16.2903	-23.0383	-19.3833	-15.8006	-14.9494	-12.603	-11.5241	-12.5274	-13.4379	-11.7609	-13.5813	-17.0906		
25	1.088021	1.760001	3.161986	3.043175	1.30073	1.680091	2.887896	0.867787	-1.29771	-0.04976	-1.90696	-7.29229	-5.00925	-6.7016	-8.2763	-10.8805	-8.2763	-17.0643	-11.8085	-18.8259	-22.9511	-19.7294	-20.3843	-21.0601	-16.725	-19.672	-17.7506	-14.6346	-15.1468	-13.165	-11.6968	-12.5229	-13.4321	-12.0808	-13.2983	-16.9041		
30	1.088021	1.69852	3.23569	3.266943	1.650678	1.973025	3.209934	1.20978	-1.14465	0.159592	-1.7776	-5.71305	-2.94043	-4.7785	-9.5966	-4.98424	-6.51394	-16.2537	-9.79532	-14.0864	-14.9622	-17.1533	-15.6435	-16.2903	-18.5372	-21.0604	-16.1296	-12.6118	-13.2746	-13.6907	-12.1937	-12.8078	-13.5773	-12.6449	-13.262	-16.5826		
35	1.088021	1.641016	3.336395	3.514967	1.977149	2.094534	3.265261	1.153478	-1.27459	0.318342	-1.77955	-6.386	-3.08709	-5.64202	-11.9459	-14.9459	-14.9459	-16.1908	-12.6257	-19.2542	-11.9459	-14.9459	-16.1908	-12.6257	-13.2748	-19.1234	-22.6753	-17.3106	-12.5352	-12.3299	-14.0949	-12.5457	-12.9077	-13.5478	-13.0419	-13.2673	-16.1815	
40	1.088021	1.588901	3.454369	3.753204	2.222935	2.012795	3.070288	0.775289	-1.35467	0.888232	-1.041	-4.37933	-1.39714	-4.16994	-8.8974	-4.38725	-5.19461	-10.8679	-7.72678	-10.5286	-15.8117	-18.1713	-12.9432	-12.8341	-20.0923	-25.1026	-20.0621	-13.9657	-12.3552	-14.1993	-12.3077	-12.6609	-13.1163	-14.0905	-13.4317	-15.7474		
45	1.088021	1.542472	3.589021	3.958147	2.364517	1.761035	2.740851	0.390356	-0.85708	2.01772	0.447617	-2.23391	0.312459	-2.34026	-9.12311	-5.23355	-5.51312	-12.8253	-9.30675	-10.528	-18.0797	-19.8608	-13.6537	-14.5433	-21.4727	-20.8622	-19.1461	-15.0075	-12.4161	-13.6473	-11.5301	-11.9464	-12.3595	-14.477	-13.6368	-15.3134		
50	1.088021	1.501811	3.709563	4.118995	2.401566	1.428314	2.490416	0.242423	-0.00162	2.990435	1.468885	-1.722	0.814163	-1.94485	-11.6214	-6.47196	-17.13423	-17.1342	-17.1342	-17.1342	-10.0014	-10.3059	-19.5476	-17.6173	-13.085	-16.0251	-18.9578	-17.3163	-16.8201	-14.5464	-12.1099	-12.7175	-10.6747	-11.185	-11.5427	-14.4429	-13.8319	-14.9007
55	1.088021	1.466775	3.830696	4.236526	2.348675	1.141336	2.536174	0.978436	0.627259	3.327261	1.50363	-2.52829	0.798997	-2.11993	-10.3483	-4.1382	-6.94973	-10.4106	-8.08354	-9.37951	-20.3059	-17.0666	-12.1666	-14.9819	-17.177	-16.5932	-16.4104	-13.8685	-11.8184	-12.0066	-10.091	-10.6427	-10.8799	-14.1338	-13.9848	-14.5218		
60	1.088021	1.436699	3.957843	4.319949	2.231043	1.013913	2.918779	1.720554	0.81981	1.373649	0.948309	-2.99463	1.471538	-1.32512	-7.17954	-1.9128	-4.9159	-14.2421	-6.70787	-7.80042	-18.1401	-17.5433	-12.1762	-14.0801	-16.6465	-16.2895	-16.4852	-13.3168	-11.7834	-11.7019	-9.85348	-10.3931	-10.4671	-13.7835	-14.0894	-14.1835		
65	1.088021	1.411728	4.072462	4.382435	2.08214	1.08272	3.472082	2.303105	0.691477	3.064391	0.768777	-0.20051	2.576175	-0.0751	-6.06869	0.81401	-7.39245	-15.4316	-6.81896	-7.11556	-18.0039	-15.6569	-12.7248	-14.1722	-15.7507	-16.4869	-17.5617	-15.1719	-12.5436	-11.9136	-9.84369	-10.3769	-10.3182	-13.5642	-14.1613	-13.8888		
70	1.088021	1.390124	4.176835	4.436094	1.940254	1.298219	4.000109	2.60768	0.557802	3.449609	1.434432	-0.10657	3.817612	0.474678	6.24143	-4.72429	-16.4382	-5.49755	-6.84648	-18.2175	-12.7761	-12.3208	-13.9867	-14.7513	-12.7954	-13.0744	-11.5378	-12.0773	-11.5138	-9.89319	-10.4756	-10.405	-13.5581	-14.2271	-13.6384			
75	1.088021	1.371012	4.266478	4.487739	1.841619	1.582093	4.40438	2.707301	0.722466	4.144948	2.199056	-0.95158	3.185547	0.323714	-5.56124	0.228198	-3.5006	-13.6828	-6.06626	-5.60445	-17.4498	-11.3938	-10.7449	-12.7985	-14.2525	-11.6644	-11.2969	-10.6307	-12.2976	-11.3827	-9.94426	-10.587	-10.6791	-13.785	-14.3122	-13.4316		
80	1.088021	1.353126	4.335624	4.537056	1.811287	1.879627	4.678878	2.749598	1.153349	4.687276	2.411014	-1.45098	3.300717	0.573203	-3.62597	-1.27385	-11.5797	-10.5677	-5.46663	-16.1201	-10.7714	-9.14305	-11.3214	-14.0948	-10.8888	-10.2148	-10.0987	-12.6664	-11.4609	-10.0717	-10.6282	-11.0815	-14.2261	-14.2633	-13.2661			
85	1.088021	1.335211	4.377912	4.577839	1.857007	2.168173	4.857818	2.842465	1.618939	4.877536	2.11895	-1.23343	4.089751	1.057166	-2.39162	2.151921	-1.23088	-11.0102	-7.2688	-1.45471	-14.7989	-10.0978	-7.7712	-10.5264	-13.8158	-10.2689	-9.73201	-8.99706	-13.0976	-11.8891	-10.3316	-10.6363	-11.5482	-14.8331	-14.595	-13.139		
90	1.088021	1.316177	4.387354	4.60133	1.970288	2.441641	4.97364	2.999069	1.999409	4.866079	1.770168	-0.19028	4.99257	2.583987	-2.41309	2.243807	-0.75632	-10.2299	-2.53504	-3.93217	-13.8763	-8.69164	-6.2999	-10.7388	-13.7763	-9.93634	-9.58294	-9.78084	-13.3287	-12.5693	-10.6441	-10.5558	-10.2158	-15.5278	-14.7003	-13.046		
95	1.088021	1.295239	4.359259	4.595957	2.132069	2.694742	5.098801	3.161149	2.725324	4.815461	1.71625	0.563935	5.179448	2.53604	-3.14825	2.02321	-0.90024	-7.87714	-1.89679	-3.52513	-12.0025	-7.33196	-6.2946	-11.3518	-12.7723	-9.95722	-9.45466	-9.60033	-13.2458	-13.2197	-10.8327	-10.4331	-12.4374	-16.2055	-15.0028	-12.9823		
100	1.088021	1.27203	4.290837	4.56726	2.316471	2.912546	5.081931	3.258122	2.418374	4.76312	1.839363	0.545337	4.976636	1.545552	-3.17067	2.053626	-1.18807	-8.48063	-1.33609	-2.66255	-11.7045	-6.18513	-5.63087	-11.6804	-12.5701	-10.0428	-9.12663	-9.44781	-12.9675	-13.5067	-10.7555	-10.2971	-12.8011	-16.753	-15.209	-12.942		
105	1.088021	1.246653	4.181424	4.501128	2.491594	3.065202	4.993851	3.247338	2.380603	4.631568	1.60196	-0.06196	4.617666	0.546495	-2.50718	2.07813	-1.2772	-8.78661	-1.18782	-2.35963	-10.8585	-5.31083	-6.28082	-10.2081	-13.1617	-10.0713	-8.7465	-9.5117	-12.6406	-13.2461	-10.3862	-10.2005	-13.1411	-17.0875	-15.3833	-12.9185		
110	1.088021	1.21967	4.032327	4.398551	2.621435	3.111321	4.841683	3.122555	2.179336	4.377063	1.664763	-0.69832	3.519648	0.932151	-2.02511	2.155966	-1.28874	-8.65066	-1.31081	-2.55135	-10.3571	-5.2391	-5.5081	-12.4646	-14.8632	-10.0988	-8.60227	-9.93989	-12.594	-12.655	-9.81333	-10.2041	-13.5275	-17.188	-15.5026	-12.9044		
115	1.088021	1.192023	3.846464	4.258531	2.67233	3.011722	4.568277	2.896478	1.86075	4.025487	1.806478	-1.06587	3.358892	0.515405	-3.287	1.451116	-1.5331	-8.67258	-1.50717	-3.00708	-11.5385	-6.13477	-5.1584	-12.5847	-11.8342	-15.8675	-10.7898	-9.19688	-12.4977	-12.1545	-9.19689	-10.3846	-14.0365	-17.0862	-15.5526	-12.892		
120	1.088021	1.164902	3.627932	4.067729	2.621513	2.748415	4.151747	2.54965	1.808022	3.716812	1.641412	-1.34385	2.849498	0.17022	-5.38047	0.406499	-1.98051	-8.98109	-1.82851	-3.32511	-13.1575	-7.63416	-6.9756	-10.3827	-13.8787	-9.5328	-9.3038	-13.1757	-16.0678	-11.7013	-8.69711	-10.8419	-14.7003	-16.8301	-15.5222	-12.8732		
125	1.088021	1.139584	3.381683	3.828265	2.462835	2.340865	3.89634	2.112997	1.067554	3.300791	1.698338	-1.4412	1.863765	-0.82397	-6.68552	0.35068	-2.08583	-8.68787	-1.96313	-3.53077	-14.5646	-8.84383	-6.9676	-9.53422	-12.5722	-8.69325	-10.0931	-16.2564	-19.6556	-11.1426	-8.44062	-11.6875	-15.4302	-16.4609	-15.4539	-12.8399		
130	1.088021	1.117258	3.113376	3.532537	2.206289	1.858049	2.91627	1.493247	0.573103	2.581147	1.374507	-1.36122	0.907669	-0.03994	-8.3234	-1.2387	-3.45579	-12.51474	-8.19194	-5.76897	-9.9792	-16.0868	-8.46114	-7.7865	-17.4													

Raw data – ANT11 (6.475GHz)

Theta/Psi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
0	2.20125	2.897131	3.666913	3.169072	1.685547	2.078367	2.193002	-0.16983	-0.25533	-0.0079	-2.05748	-5.95457	-5.17109	-6.90818	-12.7939	-8.21692	-10.8431	-20.8295	-20.3295	-17.1322	-19.4849	-18.9143	-19.8785	-23.0021	-15.4793	-13.4698	-16.2162	-12.4263	-13.3815	-17.3011	-15.9521	-14.1967	-15.331	-13.5913	-15.6718	-16.8971
5	2.20125	2.794427	3.538843	2.944162	1.164887	1.393575	1.688601	-0.70373	-1.69148	-0.30979	-2.64699	-7.69835	-6.57728	-8.776	-16.1188	-12.2513	-13.8567	-16.4931	-17.0771	-18.0082	-23.6287	-20.6	-20.2296	-23.9291	-16.6405	-14.0499	-15.2853	-12.2595	-13.3517	-16.353	-14.6021	-13.2229	-13.7383	-12.1697	-14.754	-17.4729
10	2.20125	2.692188	3.411038	2.790354	0.809019	0.98888	1.630558	-0.57414	-1.67259	-0.33472	-2.86102	-8.12946	-6.26228	-9.08368	-16.2038	-9.74298	-11.2926	-16.3523	-14.1542	-16.7391	-27.1768	-19.5558	-18.2025	-21.7237	-25.0616	-17.7413	-14.6199	-12.4169	-13.8675	-15.2237	-13.2379	-12.1789	-12.6009	-11.2941	-13.8904	-17.844
15	2.20125	2.593055	3.326246	2.740671	0.696814	0.93513	1.937077	-0.02298	-1.47787	-0.26557	-2.66521	-7.63431	-5.90912	-8.82815	-15.351	-9.04871	-11.1372	-21.1621	-14.3511	-17.3576	-31.7683	-21.0867	-17.9473	-18.2408	-21.0261	-14.2978	-16.4588	-14.2927	-15.3997	-14.4479	-12.4702	-11.6292	-12.0578	-10.914	-13.2309	-17.9623
20	2.20125	2.499399	3.292036	2.806393	0.830507	1.143634	2.377488	0.558497	-1.37114	-0.28619	-2.40868	-6.64474	-5.01267	-7.34897	-11.2297	-7.45139	-9.48366	-19.2218	-14.5671	-19.7846	-22.9804	-26.2507	-23.1084	-21.3016	-18.345	-14.3084	-19.9691	-17.4082	-17.5752	-14.3854	-12.4941	-11.7444	-12.0747	-10.9785	-12.8216	-17.8338
25	2.20125	2.413231	3.309454	2.972761	1.119245	1.246444	2.735373	0.925604	-1.41189	-0.36448	-2.34884	-6.11284	-3.81139	-5.87407	-10.65206	-6.06188	-7.81624	-19.2038	-13.8083	-19.9635	-22.7405	-25.9361	-24.886	-18.6988	-21.6995	-18.4871	-17.4806	-16.6681	-14.888	-13.2715	-12.453	-12.4941	-11.4273	-12.6272	-17.5124	
30	2.20125	2.336091	3.373396	3.205794	1.4537	1.616532	2.884957	0.981202	-1.56648	-0.34981	-2.43507	-6.84807	-3.66012	-5.91328	-11.4758	-6.45715	-7.98534	-13.1017	-11.5547	-16.9372	-16.3286	-18.9492	-19.8925	-18.0334	-19.2772	-22.4538	-17.2553	-15.5374	-14.3267	-15.4811	-14.3657	-13.7386	-12.9864	-12.1638	-12.6374	-17.0704
35	2.20125	2.269119	3.474564	3.465572	1.748284	1.62612	2.789166	0.725288	-1.75894	-0.78007	-2.23204	-6.95611	-3.46168	-4.69453	-12.4293	-6.58844	-7.76949	-13.6103	-13.7505	-17.2061	-20.0634	-19.8325	-14.3432	-18.2722	-23.1432	-18.8772	-13.5649	-13.2464	-15.6047	-14.6921	-13.7712	-13.0998	-13.0173	-12.7976	-16.5725	
40	2.20125	2.212954	3.60213	3.718094	1.957355	1.444874	2.489693	0.273063	-1.68944	0.682985	-1.16271	-4.56734	-1.66547	-4.64989	-10.304	-6.10979	-6.79306	-12.3	-9.97129	-12.0181	-17.7869	-21.6582	-15.1626	-13.7907	-19.0105	-23.9128	-22.1726	-15.015	-13.0345	-14.9451	-13.6813	-13.2137	-12.6315	-13.729	-13.0532	-16.0645
45	2.20125	2.1678	3.746064	3.941582	2.067088	1.26667	2.117751	-0.06759	-1.12246	1.746332	0.288061	-2.58651	-0.20463	-2.95137	-10.8115	-7.19013	-7.23168	-14.2684	-12.1657	-12.068	-18.4949	-21.3482	-15.315	-15.7191	-21.051	-21.5432	-20.3727	-15.6887	-12.8077	-13.8334	-12.2565	-12.2409	-11.8465	-14.0554	-15.3478	-15.5749
50	2.20125	2.1334	3.898419	4.127642	2.084214	0.781516	1.893456	0.027345	-0.38611	2.502169	1.08729	-2.34445	-0.09578	-2.85997	-13.9086	-8.29543	-8.76573	-17.8784	-12.2114	-11.8639	-20.0496	-18.2809	-14.3389	-17.4266	-19.9895	-18.0703	-17.6278	-14.9832	-12.4013	-12.8682	-11.1824	-11.4661	-11.1148	-13.9651	-15.6326	-15.1193
55	2.20125	2.109257	4.05344	4.279127	2.091166	0.55116	2.201548	0.579962	0.08795	2.670224	0.94706	-3.51533	-0.47305	-3.40303	-12.3908	-9.80765	-9.47107	-10.1837	-20.5769	-16.7671	-17.6571	-13.9799	-15.8301	-18.0919	-17.2678	-17.1067	-14.4559	-12.1553	-12.2841	-10.5854	-11.0931	-10.6314	-13.6547	-13.8777	-14.7405	
60	2.20125	2.094261	4.20084	4.4005	1.932811	0.541634	2.506647	1.280774	0.22643	2.514021	0.342643	-4.20295	0.06854	-3.77727	-16.2214	-10.476	-8.34217	-9.03887	-19.7829	-18.3829	-14.9131	-18.0817	-17.1042	-14.1156	-14.2078	-11.8926	-11.0668	-10.4371	-13.3564	-14.0778	-14.3352	-13.3564	-14.0778	-14.3352		
65	2.20125	2.087135	4.354528	4.530041	1.833002	0.753831	3.151091	1.878284	0.21747	2.616913	0.357607	-3.24411	1.318267	-1.47788	-17.96761	-2.28668	-5.4527	-18.9366	-8.36959	-8.99801	-19.8878	-16.5786	-14.7322	-15.6675	-18.0053	-15.7778	-15.7305	-13.8376	-11.9007	-11.3845	-10.0807	-11.2136	-10.4948	-13.2168	-14.2492	-14.01
70	2.20125	2.086292	4.492084	4.631357	1.768057	1.098966	3.75046	2.247917	0.358287	3.254569	1.213427	-2.0647	2.133064	-0.74562	-17.7216	-1.55159	-5.33721	-18.7222	-6.84408	-8.39359	-19.6952	-13.1986	-14.7686	-16.2022	-16.4722	-13.6901	-13.6388	-12.2262	-11.5871	-10.7597	-9.86004	-11.3423	-10.7366	-13.3008	-14.1482	-13.7284
75	2.20125	2.089796	4.614071	4.741721	1.767701	1.479404	4.209251	2.452854	0.753862	4.030717	2.013801	-1.87732	2.334923	-0.6191	-6.33336	-0.29747	-4.36054	-15.4055	-4.58566	-6.55258	-17.9608	-10.8845	-12.1512	-14.3206	-15.2612	-12.1152	-11.6779	-11.0872	-11.4144	-10.3709	-9.73598	-11.3526	-11.091	-13.6277	-14.6088	-13.4883
80	2.20125	2.096381	4.714501	4.848211	1.846152	1.840458	4.525761	2.601277	1.244676	4.520347	2.193986	-2.33421	2.534309	-0.43633	-6.90955	-2.78525	-2.51672	-13.5072	-3.22389	-5.06112	-16.1002	-10.2245	-10.1652	-11.927	-14.7471	-11.0147	-10.4004	-10.4228	-11.6957	-10.5418	-9.90929	-11.2684	-11.9029	-14.1938	-14.8342	-13.2899
85	2.20125	2.103786	4.787526	4.943885	2.002086	2.169808	4.739804	2.777936	1.673757	4.660801	1.876276	-2.13449	3.241293	0.18329	-3.42468	-1.493444	-1.82899	-11.542	-2.9376	-4.75938	-14.6562	-9.83556	-8.90588	-10.7855	-14.0775	-10.2947	-9.91342	-10.3339	-12.5057	-11.3607	-10.4451	-11.587	-11.9429	-14.9773	-15.0919	-13.1211
90	2.20125	2.110697	4.828248	5.02172	2.22415	2.476101	4.892139	3.008307	2.019490	4.632775	1.547733	-1.12413	3.968157	1.75045	-11.4248	-2.90057	-4.54501	-13.6079	-8.88004	-8.50133	-11.1166	-13.3875	-10.8804	-10.1532	-11.1166	-13.3875	-10.8804	-10.1532	-11.1166	-13.3875	-10.8804	-10.1532	-11.1166	-13.3875	-10.8804	-10.1532
95	2.20125	2.115955	4.833338	5.076959	2.495268	2.768397	5.004266	3.234993	2.288079	4.607081	1.546382	-3.04179	4.416165	1.601916	-14.7591	-1.076265	-1.96452	-8.97591	-2.92725	-4.06065	-12.3051	-7.80214	-7.08524	-11.6024	-12.6989	-9.86683	-10.3507	-10.8707	-14.41	-13.797	-11.8299	-10.9806	-12.8701	-16.9159	-15.6109	-12.8807
100	2.20125	2.11881	4.801275	5.107211	2.791809	3.041011	5.074269	3.403935	2.431134	4.583171	1.710361	-0.26531	3.87035	2.42755	-13.8263	-3.93993	-1.85072	-10.5175	-3.72525	-4.2584	-12.0881	-6.54676	-6.00979	-11.3298	-11.7297	-9.8069	-10.1341	-10.7412	-14.2478	-14.1621	-11.9884	-10.9065	-13.3312	-17.731	-15.7952	-12.7976
105	2.20125	2.118943	4.732192	5.11068	3.081503	3.266825	5.082028	3.45822	3.81196	4.455415	1.726275	-0.70889	3.274868	0.123797	-12.62685	-1.870943	-1.56661	-10.05411	-1.74271	-2.0092	-10.6011	-5.54193	-5.3824	-11.5664	-12.4963	-9.78563	-9.46636	-10.3895	-13.3676	-13.6672	-11.5868	-10.8404	-13.7583	-18.0955	-15.8771	-12.7331
110	2.20125	2.116443	4.627453	5.083904	3.326234	3.403786	4.998784	3.64702	2.411343	4.182496	1.563031	-1.14877	3.081405	0.232191	-2.47658	-1.757895	-1.61349	-10.0511	-2.15846	-3.22999	-10.6811	-5.52938	-5.76952	-12.8294	-12.9025	-10.1597	-9.14199	-10.3816	-12.8604	-12.9921	-10.8396	-10.8092	-14.1372	-17.882	-15.8376	-12.6826
115	2.20125	2.111727	4.489122	5.02045	3.490298	3.412142	4.796994	3.157607	1.840411	3.833772	1.401101	-1.42015	2.958383	0.257367	-3.7072	1.072334	-2.08707	-10.704	-2.54155	-3.73617	-11.5137	-6.16323	-6.77169	-13.4141	-11.7701	-10.7769	-9.42485	-11.2114	-13.6566	-12.5963	-10.0249	-9.8765	-14.4726	-17.2351	-15.6853	-12.6411
120	2.20125	2.105466	4.319355	4.911245	3.548995	3.272615	4.585714	2.849925	1.45765	3.486016	1.349344	-1.86356	2.395036	-0.25319	-5.23239	-2.081259	-4.00487	-10.4467	-2.4261	-3.71431	-11.8586	-6.7931	-7.25571	-12.415	-12.7202	-10.7879	-10.0667	-13.2524	-16.4149	-12.48	-9.324	-11.1275	-14.7588	-16.4133	-15.4528	-12.6037
125	2.20125	2.098373	4.121106	4.746213	3.492562	2.996727	3.984207	2.43388	1.061648	3.092056	1.313321	-2.4545	1.275136	-1.35257	-5.71222	-0.167599	-2.42724	-11.9127	-2.34841	-3.59296	-12.9984	-7.69946	-6.9698	-11.0171	-14.1324	-13.88073	-10.6694	-16.2627	-20.3749	-11.5723	-8.84008	-11.6351	-14.9338	-15.606	-15.1846	-12.5655
130	2.20125	2.091288	3.896426	4.516309	3.324067	2.62423	3.400075	1.893493	0.452812	2.454678	0.982499	-2.85786	0.085276	-2.47527	-8.2801	-0.52655	-2.44166	-11.2921	-2.79217	-3.52993	-10.9773	-6.73293	-7.5546	-11.9159	-14.9398	-9.95952	-10.9399	-17.6636	-19.2512	-10.594	-8.66326	-12.4167	-			

Raw data – ANT11 (6.525GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	
0	2.569224	2.687786	3.381125	2.768487	1.218004	1.695288	1.964639	-0.23882	-1.12724	0.251336	-2.19333	-7.31873	-6.44979	-8.50795	-16.6815	-11.4199	-14.3092	-22.4635	-19.5206	-20.7881	-21.604	-19.309	-18.8691	-22.3094	-15.0132	-14.1609	-17.3392	-13.9002	-15.2043	-18.177	-15.093	-12.6566	-13.3613	-12.7306	-15.5551	-17.8366	
5	2.569224	2.693407	3.161457	2.480114	0.667008	1.054129	1.572232	-0.04861	-1.33981	-0.0661	-2.72262	-8.08466	-7.08489	-8.50795	-16.6815	-11.4199	-14.3092	-22.4635	-19.5206	-20.7881	-21.604	-19.309	-18.8691	-22.3094	-15.0132	-14.1609	-17.3392	-13.9002	-15.2043	-18.177	-15.093	-12.6566	-13.3613	-12.7306	-15.5551	-17.8366	
10	2.569224	2.562194	2.988485	2.316323	0.339404	0.725397	1.587809	-0.47635	-1.77546	-0.27182	-2.90546	-7.93593	-6.94917	-8.27415	-14.5522	-7.69791	-9.48198	-15.3107	-11.78	-15.7615	-30.9565	-19.6068	-17.7208	-22.374	-22.974	-20.6049	-21.1923	-16.778	-14.6813	-16.8034	-16.841	-13.8289	-11.8494	-11.4564	-10.7405	-13.49	-10.5933
15	2.569224	2.437338	2.876421	2.281833	0.301218	0.71018	1.844425	-0.13492	-1.97225	-0.42356	-2.81728	-7.87591	-6.50485	-8.70051	-14.5522	-7.69791	-9.48198	-15.3107	-11.78	-15.7615	-30.9565	-19.6068	-17.7208	-22.374	-22.974	-20.6049	-21.1923	-16.778	-14.6813	-16.8034	-16.841	-13.8289	-11.8494	-11.4564	-10.7405	-13.49	-10.5933
20	2.569224	2.323577	2.831827	2.386668	0.510065	0.874279	2.121837	0.162802	-2.14804	-0.51059	-2.6462	-7.28015	-5.49882	-7.50527	-12.7278	-7.93215	-9.52576	-16.8802	-13.1407	-18.0726	-24.2222	-27.2593	-21.7002	-22.3806	-20.5078	-27.1116	-20.8323	-18.8939	-18.4261	-15.2012	-13.2919	-12.0618	-11.6253	-10.8111	-13.0954	-19.3059	
25	2.569224	2.223094	2.852436	2.600421	0.847615	1.042375	2.666497	0.277114	-2.26861	-0.47874	-2.46425	-6.48036	-4.78243	-11.2653	-11.2653	-11.2653	-6.6664	-16.4132	-13.643	-20.413	-28.773	-21.271	-27.904	-25.308	-29.4024	-23.8176	-20.5932	-16.9477	-15.4305	-14.1866	-12.8928	-12.3398	-11.5176	-13.0961	-19.0521		
30	2.569224	2.137479	2.928944	2.875657	1.13965	1.085897	2.208912	0.160469	-2.35043	-0.32074	-2.27081	-6.33563	-4.89474	-6.07446	-14.2105	-8.4943	-9.6313	-19.8999	-12.8168	-19.2587	-17.428	-19.655	-24.6761	-19.7437	-18.2106	-22.5359	-19.9068	-15.4492	-14.8086	-15.7308	-15.0941	-13.5655	-12.9939	-12.5803	-13.3056	-18.6306	
35	2.569224	2.067746	3.046038	3.165215	1.466994	0.950311	1.945747	-0.17905	-2.43201	-0.04477	-1.84487	-5.71167	-2.29904	-3.54468	-15.2381	-8.93443	-9.46185	-17.1428	-18.3346	-15.3443	-17.6801	-22.3812	-18.7671	-16.3147	-17.3239	-22.0724	-21.5011	-15.8988	-13.9337	-15.2748	-14.6809	-13.2887	-13.0347	-13.8264	-13.3074	-18.1152	
40	2.569224	2.014392	3.190617	3.433673	1.642	0.64951	1.538534	-0.46214	-2.37738	0.447063	-0.96209	-3.7962	-0.94493	-4.13699	-12.5231	-8.21138	-9.93378	-14.5468	-14.1536	-15.1287	-17.8011	-22.5993	-17.5452	-15.9102	-18.9217	-23.4941	-22.6929	-16.9962	-13.3025	-14.0772	-13.1694	-12.2678	-12.9277	-14.9295	-14.139	-17.5633	
45	2.569224	1.97747	3.35011	3.66122	1.705389	0.260182	1.144932	-0.96158	-1.98046	1.102778	0.023472	-2.61199	-0.14407	-2.79717	-13.4381	-8.93443	-9.46185	-17.1428	-18.3346	-15.3443	-17.6801	-22.3812	-18.7671	-16.3147	-17.3239	-22.0724	-21.5011	-15.8988	-13.9337	-15.2748	-14.6809	-13.2887	-13.0347	-13.8264	-13.3074	-18.1152	
50	2.569224	1.956647	3.516013	3.842693	1.672996	-0.08335	1.024637	-0.79351	-1.36196	1.575132	0.421859	-3.00974	-0.56513	-3.41566	-15.8301	-8.33824	-10.3691	-19.3601	-14.1197	-13.7192	-19.1557	-17.8485	-15.2775	-19.4494	-24.5796	-20.0983	-16.9823	-14.6803	-11.8699	-12.1516	-11.0246	-10.8621	-10.9239	-15.5099	-15.0752	-16.4855	
55	2.569224	1.956647	3.516013	3.842693	1.672996	-0.08335	1.024637	-0.79351	-1.36196	1.575132	0.421859	-3.00974	-0.56513	-3.41566	-15.8301	-8.33824	-10.3691	-19.3601	-14.1197	-13.7192	-19.1557	-17.8485	-15.2775	-19.4494	-24.5796	-20.0983	-16.9823	-14.6803	-11.8699	-12.1516	-11.0246	-10.8621	-10.9239	-15.5099	-15.0752	-16.4855	
60	2.569224	1.960285	3.849104	4.099579	1.430103	-0.0494	2.216958	0.849299	-0.44569	1.712446	-0.56433	-5.48833	-0.50003	-3.31205	-8.19955	-2.89197	-6.27534	-15.9975	-9.13288	-9.7682	-19.5627	-17.096	-13.5438	-16.4598	-22.0655	-19.9017	-16.2424	-13.655	-11.6071	-11.5978	-10.6684	-11.3354	-10.7538	-14.9329	-15.6801	-15.5448	
65	2.569224	1.982432	4.011656	4.203702	1.297431	0.264178	2.980504	1.669701	-0.13498	2.119633	-0.16933	-4.01269	-0.962896	-1.74515	-3.37835	-1.19633	-5.44956	-16.7938	-12.1971	-16.7938	-12.1971	-16.7938	-12.1971	-16.7938	-12.1971	-16.7938	-12.1971	-16.7938	-12.1971	-16.7938	-12.1971	-16.7938	-12.1971	-16.7938	-12.1971	-16.7938	
70	2.569224	2.016074	4.168665	4.309207	1.215442	0.722023	3.713876	2.23479	0.221794	2.908882	0.646602	-2.79807	-1.799393	-0.95153	-7.22346	-1.11396	-4.93234	-15.7998	-6.17324	-8.2676	-19.0886	-12.9733	-14.3625	-17.5056	-17.8651	-14.9598	-13.4637	-12.1954	-11.368	-10.7589	-10.3438	-12.2974	-11.7504	-15.062	-15.966	-14.7798	
75	2.569224	2.09323	4.316894	4.422467	1.218549	1.174043	4.24452	2.558235	0.614709	3.661702	1.382805	-2.70078	-1.997357	-0.77611	-6.08945	-0.47491	-3.79768	-12.4166	-14.756	-16.3714	-13.3122	-11.9141	-11.2554	-11.3971	-10.6079	-10.2804	-12.5254	-12.4797	-15.5404	-15.0472	-14.6435	-15.5404	-15.0472	-14.6435	-15.5404	-15.0472	-14.6435
80	2.569224	2.110098	4.452181	4.543437	1.232824	1.575679	4.588226	2.73526	0.97603	4.102545	1.499115	-3.043	-2.257497	-0.35821	-6.45846	0.72464	-2.7058	-11.7723	-3.2643	-5.05871	-16.149	-10.281	-10.6129	-12.6209	-15.846	-12.3188	-10.948	-10.7891	-11.9241	-10.9974	-10.5586	-12.6216	-13.2525	-16.2986	-16.2036	-14.1891	
85	2.569224	2.166214	4.569986	4.667921	1.531174	1.929113	4.800461	2.876493	1.296849	4.263634	1.235178	-2.50371	-3.004607	-0.49362	-6.28610	0.55105	-2.40273	-12.8922	-3.32257	-4.9345	-15.161	-9.99169	-9.9267	-11.9959	-15.9324	-11.5125	-10.7427	-11.0212	-13.0372	-11.9296	-11.2458	-12.6734	-14.0146	-17.3284	-16.3508	-13.9537	
90	2.569224	2.225501	4.666087	4.790583	1.828494	2.257174	4.936444	3.048214	1.612501	4.322015	1.083694	-1.30833	-3.750263	-0.07401	-4.84354	0.539553	-2.62585	-12.3239	-3.14422	-4.87523	-13.6821	-8.81025	-9.89741	-12.5053	-14.9151	-10.6835	-11.0691	-11.7513	-14.3201	-13.003	-12.1979	-12.6972	-14.171	-18.5863	-16.5605	-13.754	
95	2.569224	2.289192	4.737118	4.906694	2.193986	2.578765	5.028517	3.236484	1.896668	4.375716	1.220508	-0.57952	-3.991269	1.094616	-0.005005	1.774848	-2.40555	-9.999	-2.43222	-4.02242	-12.767	-7.61415	-8.8086	-11.9346	-12.9227	-13.7882	-11.2241	-12.2334	-14.6956	-13.5902	-13.0188	-12.64	-25.889	-19.8979	-16.6429	-13.586	
100	2.569224	2.345617	4.780777	5.011859	2.594491	2.889566	5.078026	3.360402	2.038152	4.353991	1.388937	-0.63411	-3.736942	0.549965	-3.6069	1.559419	-1.68879	-8.86212	-1.85716	-3.1902	-11.767	-6.69439	-5.9719	-10.6303	-11.2605	-9.2188	-10.476	-11.7753	-13.8191	-13.1148	-13.2449	-14.2413	-15.663	-20.7984	-16.7246	-13.4354	
105	2.569224	2.403064	4.795719	5.100504	2.98662	3.156635	5.061578	3.351957	1.945697	4.173682	1.298439	-1.16811	-3.389638	1.074001	-2.34574	2.075408	-1.33344	-9.34704	-1.95051	-2.96968	-10.7166	-6.3208	-5.5028	-10.7166	-6.3208	-5.5028	-10.7166	-6.3208	-5.5028	-10.7166	-6.3208	-5.5028	-10.7166	-6.3208	-5.5028	-10.7166	
110	2.569224	2.457014	4.781245	5.164644	3.324999	3.331998	4.946979	3.174527	1.661832	3.844267	1.026231	-1.57886	-3.262259	0.520631	-2.35969	1.914088	-1.61258	-10.7166	-2.30323	-3.40368	-11.7406	-6.3208	-5.5028	-10.7166	-6.3208	-5.5028	-10.7166	-6.3208	-5.5028	-10.7166	-6.3208	-5.5028	-10.7166	-6.3208	-5.5028	-10.7166	
115	2.569224	2.506539	4.737003	5.193982	3.573558	3.370068	4.708385	2.864051	1.3583	3.534481	0.817262	-1.78302	-3.134906	0.495738	-3.46538	1.37349	-1.67028	-10.7166	-2.30323	-3.40368	-11.7406	-6.3208	-5.5028	-10.7166	-6.3208	-5.5028	-10.7166	-6.3208	-5.5028	-10.7166	-6.3208	-5.5028	-10.7166	-6.3208	-5.5028	-10.7166	
120	2.569224	2.551005	4.662813	5.177344	3.71299	3.276637	4.338812	2.467612	1.62594	3.325367	0.828057	-2.25867	-3.25468	2.617764	-0.00947	-4.487634	0.850107	-2.25867	-3.25468	2.617764	-0.00947	-4.487634	0.850107	-2.25867	-3.25468	2.617764	-0.00947	-4.487634	0.850107	-2.25867	-3.25468	2.617764	-0.00947	-4.487634	0.850107	-2.25867	
125	2.569224	2.590038	4.55871	5.104596	3.74118	3.055888	3.841833	2.00465	0.962593	3.127641	0.486033	-3.01715	-1.61801	-0.83164	-4.46492	-4.07106	-2.08923	-9.03151	-2.02364	-3.11512	-11.778	-6.60404	-4.46495	-11.8412	-17.4184	-11.959	-11.5296	-7.9477	-24.7729	-13.9713	-9.66959	-11.2545	-14.3281	-15.4698	-15.9029	-12.9813	
130	2.569224	2.623486	4.425184	4.968216	3.667586	2.762211	3.275399	1.477993	2.594244	0.953335	-2.48377	-0.77912	-1.76536	-0.95298	-3.43886	-2.952457	-3.70374	-9.03151	-2.02364	-3.11512	-11.778	-6.60404	-4.46495	-11.8412	-17.4184	-11.959	-11.5296										

Raw data – ANT11 (6.695GHz)

Index	Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
0	3.71861	3.17899	3.66261	3.411972	2.018592	2.236088	2.487708	3.009296	-1.02239	0.371907	-1.65852	4.18283	-2.25699	-7.47465	-15.5044	-6.68218	-10.3797	-15.985	-11.5653	-20.2003	-20.0154	-21.709	-17.0441	-25.7177	-18.6189	-16.9012	-18.0193	-17.1321	-17.4049	-15.4166	-12.0009	-11.1921	-12.3474	-16.9972	-15.9817	-16.8999	
5	3.71861	3.00474	3.51393	3.465057	2.187788	2.259132	3.002173	3.090561	-0.85618	0.500526	-1.26641	5.33489	-2.92822	-6.07476	-10.1823	-3.855	-6.72946	-12.8885	-8.00072	-13.3321	-23.3416	-29.7784	-17.7821	-22.7152	-21.8386	-18.1	-19.3314	-18.8048	-18.0264	-15.4717	-12.6798	-11.8389	-11.8707	-11.8021	-15.303	-17.236	
10	3.71861	2.85371	3.41624	3.269083	2.421239	2.299418	3.324284	1.730656	-1.19641	0.147788	-1.13648	-5.8849	-3.98287	-6.17238	-10.1064	-3.8567	-6.39684	-13.9868	-7.66992	-11.6808	-23.7046	-26.8389	-15.2011	-21.8053	-24.0051	-21.8184	-20.0006	-19.042	-20.2021	-15.5713	-13.001	-12.4502	-11.7615	-10.2088	-14.7832	-16.471	
15	3.71861	2.71528	3.36913	3.174486	2.666341	2.576791	3.368902	1.129654	-1.26788	-0.05836	-1.7673	7.43816	-3.67376	-6.9863	-10.607	-4.95057	-3.3599	-16.3135	-9.40622	-13.289	-24.612	-22.6255	-16.2557	-18.1332	-24.622	-24.616	-22.3736	-19.6469	-18.0024	-15.4008	-13.6786	-12.9069	-11.7110	-11.1642	-14.8417	-17.5626	
20	3.71861	2.596934	3.360305	3.050005	2.872005	2.765123	3.167628	0.819108	-1.247594	-0.83431	-2.65388	9.29688	-3.41736	-6.71086	-10.1159	-6.05801	-5.98724	-12.0711	-11.8626	-26.2039	-21.9764	-22.0115	-18.0265	-21.4309	-19.952	-24.6917	-24.1775	-17.6471	-16.0008	-15.2497	-14.1	-13.3724	-12.0359	-11.4162	-14.4139	-17.5419	
25	3.71861	2.501052	3.314204	3.100338	2.427822	2.834032	0.37105	-3.50396	-1.48292	-3.30931	-7.58148	-2.87357	-6.25132	-11.2656	-7.12599	-10.6123	-6.28412	-14.3183	-18.1726	-17.8399	-18.6019	-25.3136	-22.9236	-19.7897	-21.4356	-25.3929	-24.6197	-15.9006	-13.6475	-12.8769	-12.6001	-12.0789	-14.5709	-17.4106			
30	3.71861	2.428988	3.470474	3.265461	4.001307	2.188728	2.440674	0.130107	-1.62795	-1.62795	-3.39942	-5.74876	-4.76731	-17.848	-14.55356	-9.12299	-12.3645	-16.9248	-14.9549	-20.167	-17.1808	-19.2664	-28.7784	-21.8085	-19.8081	-29.533	-21.0001	-14.8136	-14.0159	-15.4865	-14.8625	-14.009	-13.2628	-13.114	-14.9026	-17.1891	
35	3.71861	2.381284	3.585345	3.494507	3.003225	1.775949	2.710688	-0.516	-3.98218	-1.37601	-2.8799	-7.00857	-3.56087	-6.77659	-15.0159	-10.7205	-11.4047	-21.3631	-15.0168	-18.2177	-17.9586	-22.137	-20.0372	-20.3274	-24.7748	-29.3676	-23.0637	-15.9752	-14.2678	-15.4184	-14.0943	-12.3307	-13.61	-14.6879	-15.0459	-16.8693	
40	3.71861	2.33899	3.694644	3.394576	2.910664	2.538523	1.215751	-0.3739	-1.3198	-1.3658	-1.95297	-6.1167	-3.3785	-6.13891	-14.1307	-9.5008	-10.0768	-21.7639	-17.158	-19.9197	-19.1651	-24.3022	-19.1254	-20.8926	-24.425	-24.7111	-22.6113	-17.6124	-14.8144	-14.9878	-12.2612	-12.0372	-13.607	-14.076	-16.0372	-16.5959	
45	3.71861	2.35945	3.64949	3.56948	2.80271	1.47174	2.49161	0.6174	-1.2734	-1.9525	-3.3073	-1.2189	-6.414	-3.9583	-5.5514	-10.9143	-11.3663	-11.7106	-16.6894	-17.9458	-19.9801	-26.2709	-18.1008	-21.8733	-25.5783	-24.7199	-19.9866	-18.4004	-14.5332	-14.1411	-11.6602	-10.9	-12.6915	-17.6246	-16.62	-16.2051	
50	3.71861	2.348928	3.941435	3.28528	2.69763	1.66954	3.11832	1.323298	-0.97266	0.98547	-1.03938	8.1601	-1.35248	-1.07896	-1.80145	-3.86865	-10.996	-19.7579	-10.278	-19.4958	-18.1008	-19.8956	-15.7008	-20.6987	-24.128	-25.2452	-19.3538	-18.8188	-14.1586	-13.8629	-10.8075	-10.1011	-12.6902	-17.0288	-17.1881	-15.3856	
55	3.71861	2.42934	4.07174	4.070114	2.610763	2.904543	3.866264	2.14943	-0.34831	1.399566	-1.30536	-7.9413	-1.82528	-1.72036	-7.6804	-4.55103	-7.54188	-16.5657	-10.8255	-12.1014	-23.0625	-18.9282	-15.7049	-22.9609	-23.3801	-26.9322	-17.487	-18.323	-12.8807	-14.9789	-9.75823	-11.6631	-10.5471	-17.5138	-15.7135		
60	3.71861	2.4922	4.028738	4.71094	2.547024	2.463464	4.59698	2.88038	-0.02076	1.876762	-0.62496	-4.81025	-1.62754	-1.11003	-6.7685	-5.88058	-5.75005	-18.207	-17.7274	-21.1029	-21.262	-19.7726	-19.7749	-16.5548	-20.5511	-20.2194	-18.7285	-16.5369	-14.0049	-13.337	-12.2172	-10.2794	-8.81028	-11.7751	-10.841	-17.6786	-15.1185
65	3.71861	2.57166	4.028738	4.71094	2.547024	2.463464	4.59698	2.88038	-0.02076	1.876762	-0.62496	-4.81025	-1.62754	-1.11003	-6.7685	-5.88058	-5.75005	-18.207	-17.7274	-21.1029	-21.262	-19.7726	-19.7749	-16.5548	-20.5511	-20.2194	-18.7285	-16.5369	-14.0049	-13.337	-12.2172	-10.2794	-8.81028	-11.7751	-10.841	-17.6786	-15.1185
70	3.71861	2.67808	4.028738	4.71094	2.547024	2.463464	4.59698	2.88038	-0.02076	1.876762	-0.62496	-4.81025	-1.62754	-1.11003	-6.7685	-5.88058	-5.75005	-18.207	-17.7274	-21.1029	-21.262	-19.7726	-19.7749	-16.5548	-20.5511	-20.2194	-18.7285	-16.5369	-14.0049	-13.337	-12.2172	-10.2794	-8.81028	-11.7751	-10.841	-17.6786	-15.1185
75	3.71861	2.78019	4.028738	4.71094	2.547024	2.463464	4.59698	2.88038	-0.02076	1.876762	-0.62496	-4.81025	-1.62754	-1.11003	-6.7685	-5.88058	-5.75005	-18.207	-17.7274	-21.1029	-21.262	-19.7726	-19.7749	-16.5548	-20.5511	-20.2194	-18.7285	-16.5369	-14.0049	-13.337	-12.2172	-10.2794	-8.81028	-11.7751	-10.841	-17.6786	-15.1185
80	3.71861	2.91462	4.028738	4.71094	2.547024	2.463464	4.59698	2.88038	-0.02076	1.876762	-0.62496	-4.81025	-1.62754	-1.11003	-6.7685	-5.88058	-5.75005	-18.207	-17.7274	-21.1029	-21.262	-19.7726	-19.7749	-16.5548	-20.5511	-20.2194	-18.7285	-16.5369	-14.0049	-13.337	-12.2172	-10.2794	-8.81028	-11.7751	-10.841	-17.6786	-15.1185
85	3.71861	3.04984	4.028738	4.71094	2.547024	2.463464	4.59698	2.88038	-0.02076	1.876762	-0.62496	-4.81025	-1.62754	-1.11003	-6.7685	-5.88058	-5.75005	-18.207	-17.7274	-21.1029	-21.262	-19.7726	-19.7749	-16.5548	-20.5511	-20.2194	-18.7285	-16.5369	-14.0049	-13.337	-12.2172	-10.2794	-8.81028	-11.7751	-10.841	-17.6786	-15.1185
90	3.71861	3.17960	4.028738	4.71094	2.547024	2.463464	4.59698	2.88038	-0.02076	1.876762	-0.62496	-4.81025	-1.62754	-1.11003	-6.7685	-5.88058	-5.75005	-18.207	-17.7274	-21.1029	-21.262	-19.7726	-19.7749	-16.5548	-20.5511	-20.2194	-18.7285	-16.5369	-14.0049	-13.337	-12.2172	-10.2794	-8.81028	-11.7751	-10.841	-17.6786	-15.1185
95	3.71861	3.31553	4.028738	4.71094	2.547024	2.463464	4.59698	2.88038	-0.02076	1.876762	-0.62496	-4.81025	-1.62754	-1.11003	-6.7685	-5.88058	-5.75005	-18.207	-17.7274	-21.1029	-21.262	-19.7726	-19.7749	-16.5548	-20.5511	-20.2194	-18.7285	-16.5369	-14.0049	-13.337	-12.2172	-10.2794	-8.81028	-11.7751	-10.841	-17.6786	-15.1185
100	3.71861	3.45024	4.028738	4.71094	2.547024	2.463464	4.59698	2.88038	-0.02076	1.876762	-0.62496	-4.81025	-1.62754	-1.11003	-6.7685	-5.88058	-5.75005	-18.207	-17.7274	-21.1029	-21.262	-19.7726	-19.7749	-16.5548	-20.5511	-20.2194	-18.7285	-16.5369	-14.0049	-13.337	-12.2172	-10.2794	-8.81028	-11.7751	-10.841	-17.6786	-15.1185
105	3.71861	3.58045	4.028738	4.71094	2.547024	2.463464	4.59698	2.88038	-0.02076	1.876762	-0.62496	-4.81025	-1.62754	-1.11003	-6.7685	-5.88058	-5.75005	-18.207	-17.7274	-21.1029	-21.262	-19.7726	-19.7749	-16.5548	-20.5511	-20.2194	-18.7285	-16.5369	-14.0049	-13.337	-12.2172	-10.2794	-8.81028	-11.7751	-10.841	-17.6786	-15.1185
110	3.71861	3.70578	4.028738	4.71094	2.547024	2.463464	4.59698	2.88038	-0.02076	1.876762	-0.62496	-4.81025	-1.62754	-1.11003	-6.7685	-5.88058	-5.75005	-18.207	-17.7274	-21.1029	-21.262	-19.7726	-19.7749	-16.5548	-20.5511	-20.2194	-18.7285	-16.5369	-14.0049	-13.337	-12.2172	-10.2794	-8.81028	-11.7751	-10.841	-17.6786	-15.1185
115	3.71861	3.82048	4.028738	4.71094	2.547024	2.463464	4.59698	2.88038	-0.02076	1.876762	-0.62496	-4.81025	-1.62754	-1.11003	-6.7685	-5.88058	-5.75005	-18.207	-17.7274	-21.1029	-21.262	-19.7726	-19.7749	-16.5548	-20.5511	-20.2194	-18.7285	-16.5369	-14.0049	-13.337	-12.2172	-10.2794	-8.81028	-11.7751	-10.841	-17.6786	-15.1185
120	3.71861	3.92657	4.028738	4.71094	2.547024	2.463464	4.59698	2.88038	-0.02076	1.876762	-0.62496	-4.81025	-1.62754	-1.11003	-6.7685	-5.88058	-5.75005	-18.207	-17.7274	-21.1029	-21.262	-19.7726	-19.7749	-16.5548	-20.5511	-20.2194	-18.7285	-16.5369	-14.0049	-13.337	-12.2172	-10.2794	-8.81028	-11.7751	-10.841	-17.6786	-15.1185
125	3.71861	4.02197	4.028738	4.71094	2.547024	2.463464	4.59698	2.88038	-0.02076	1.876762	-0.62496	-4.81025	-1.62754	-1.11003	-6.7685	-5.88058	-5.75005	-18.207	-17.7274	-21.1029	-21.262	-19.7726	-19.7749	-16.5548	-20.5511	-20.2194	-18.7285	-16.5369	-14.0049	-13.337	-12.2172	-10.2794	-8.81028	-11.7751	-10.841	-17.6786	-15.1185
130	3.71861	4.10737	4.028738	4.71094	2.547024	2.463464	4.59698	2.88038	-0.02076	1.876762	-0.62496	-4.81025	-1.62754	-1.11003	-6.7685	-5.88058	-5.75005	-18.207	-17.7274	-21.1029	-21.262	-19.7726	-19.7749	-16.5548	-20.5511	-20.2194	-18.7285	-16.5369	-14.0049	-13.337	-12.2172	-10.2794	-8.81028	-11.7751	-10.841	-17.6786	-15.1185
135																																					

Raw data – ANT11 (6.875GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	
0	2.78463	1.883141	3.640857	4.395964	2.221941	1.271879	2.943231	1.889184	-0.28187	1.951429	-0.86169	-8.67423	-2.6316	-4.86815	-8.80191	-1.98105	-7.48922	-11.3797	-8.33388	-15.6382	-26.8476	-17.404	-17.245	-19.929	-19.947	-19.4186	-22.5267	-19.5895	-17.2777	-20.3432	-18.0885	-17.903	-15.5117	-13.0018	-15.0742	-18.7245	
5	2.78463	1.702942	3.423035	4.529955	2.80838	1.20851	3.01306	1.80881	-0.30127	2.169146	-0.20743	-7.36331	-1.70018	-3.69838	-7.18327	-0.76576	-4.98866	-6.73881	-10.2739	-16.3782	-26.2096	-16.3316	-20.86	-21.247	-22.204	-20.8837	-21.1654	-18.7896	-16.5388	-16.5454	-15.7885	-13.8101	-15.3141	-18.5549	-18.32		
10	2.78463	1.527056	3.164548	4.59423	2.978437	1.481649	2.907418	1.967607	-0.76331	1.884078	-0.8072	-7.27	-1.69999	-3.72668	-6.68684	-1.69538	-5.37718	-13.0422	-17.3558	-11.341	-19.878	-16.5103	-15.9103	-19.291	-20.5448	-26.7687	-18.1327	-19.8213	-18.2758	-18.0829	-15.6647	-15.3534	-15.9529	-15.1848	-15.8516		
15	2.78463	1.360416	2.867524	4.569283	3.21936	1.426111	2.507307	1.409901	-1.73737	1.979118	-1.07936	-7.27656	-2.00646	-5.0002	-12.2347	-5.85648	-15.8285	-9.9009	-14.2638	-24.5397	-17.209	-17.7466	-19.207	-20.724	-26.8404	-18.7702	-19.3431	-18.8432	-18.769	-18.7103	-15.8326	-14.6412	-15.5746	-17.0666	-16.8835		
20	2.78463	1.208083	2.53837	4.446392	3.294269	1.155848	1.817011	0.420581	-2.92004	0.637667	-1.62224	-6.66013	-1.68274	-5.74816	-1.97278	-6.42624	-11.8843	-15.6882	-12.5239	-15.7561	-20.5839	-15.3781	-21.3102	-22.4708	-27.8846	-24.2283	-21.2083	-18.1382	-18.2503	-18.6853	-16.2111	-14.2099	-14.5721	-18.9851	-17.7098	-17.7178	
25	2.78463	1.075045	2.188339	4.230519	3.19387	0.681163	0.966507	-0.69698	-5.8106	0.618499	-1.3506	-5.71327	-1.75502	-1.92767	-7.40729	-11.9529	-18.5887	-10.9405	-17.1271	-22.1741	-16.7144	-24.3924	-20.7709	-20.7216	-25.4247	-21.6011	-18.2583	-17.7033	-17.0354	-15.6396	-13.8698	-13.4321	-14.9274	-17.8517	-17.3591		
30	2.78463	0.966031	1.833544	3.941601	2.990398	1.139645	0.401321	-1.30992	-3.34152	0.889784	-0.79477	-5.60041	-1.87683	-6.03926	-14.2467	-6.97792	-12.137	-21.6424	-16.5647	-20.9107	-20.9133	-18.7806	-24.6192	-22.8844	-25.7977	-30.8654	-22.5705	-20.2193	-18.4215	-15.6359	-14.3825	-13.6221	-12.5612	-18.815	-19.8156	-16.9841	
35	2.78463	0.885381	1.494412	3.612882	2.629005	-0.22241	0.404058	-0.09254	-2.51947	1.092755	-0.53605	-9.9989	-8.28343	-6.20173	-12.2673	-8.0729	-12.174	-20.9302	-17.675	-20.3619	-26.5969	-26.5969	-26.5969	-22.173	-26.9573	-25.8654	-27.9935	-22.4762	-20.9947	-20.5575	-15.1859	-13.3353	-13.5573	-12.1636	-17.4169	-20.302	-16.9392
40	2.78463	0.836946	1.194721	3.287467	2.310575	-0.2026	0.929288	-0.13974	-1.80855	1.018208	-0.80849	-7.42731	-4.385	-7.168	-12.2201	-8.87274	-13.7669	-18.0598	-19.26	-20.5472	-20.5006	-22.4525	-20.663	-26.3169	-22.2306	-24.0151	-21.927	-23.7099	-23.1407	-15.3974	-12.773	-13.696	-12.2446	-16.3051	-15.1507	-16.7193	
45	2.78463	0.824004	0.960364	3.012995	2.070755	0.173105	1.80117	0.648649	-1.7043	0.461564	-1.88063	-11.0784	-6.06335	-9.79134	-12.3201	-10.194	-15.8435	-18.6729	-16.626	-20.3947	-21.0649	-20.8346	-21.5702	-23.9174	-18.2133	-21.5809	-22.2001	-22.3119	-22.937	-15.6779	-12.6051	-13.9705	-12.7327	-15.6035	-19.5293	-15.1691	
50	2.78463	0.849126	0.817469	2.835189	1.96246	0.704991	2.503085	1.073891	-2.3854	-0.45166	-3.40788	-10.9917	-4.09476	-8.34447	-14.0478	-7.79171	-11.5051	-19.6923	-13.9829	-16.7396	-25.1453	-18.7437	-20.6948	-20.8126	-17.2524	-20.6531	-22.818	-20.3252	-20.1341	-15.3754	-12.6233	-14.3099	-13.4928	-15.2192	-18.7206	-15.3907	
55	2.78463	0.91396	0.789013	2.790048	2.010268	1.210047	2.949536	1.069886	-3.60669	-0.72355	-3.25165	-6.60327	-1.19297	-4.76201	-12.5281	-13.2073	-14.1887	-22.9104	-16.847	-20.5564	-22.5828	-18.1637	-19.7818	-18.4106	-22.5142	-18.7885	-17.8019	-14.3598	-12.5777	-14.7081	-14.3378	-15.0088	-17.9139	-15.0004	-16.9491		
60	2.78463	1.018933	0.889435	2.894749	2.207781	1.602456	3.132845	0.75956	-4.2729	0.354417	-1.34853	-4.27304	-0.01632	-3.37676	-14.129	-8.57038	-10.9797	-27.4612	-11.5837	-13.556	-20.5933	-15.8799	-24.1007	-26.4809	-17.7684	-16.2573	-21.5076	-17.6022	-16.5054	-13.1937	-12.3263	-15.2059	-15.0718	-14.8338	-17.1881	-14.624	
65	2.78463	1.162937	1.118725	3.140248	2.522471	1.877624	3.147642	0.471573	-3.39514	1.740752	-0.03421	-4.61366	-0.0791	-5.36739	-13.5762	-7.82263	-8.81049	-12.7185	-18.3814	-13.2815	-18.49	-40.8624	-17.0413	-15.4762	-20.6546	-16.5652	-16.0373	-12.9357	-11.9534	-15.8285	-15.5671	-14.5958	-16.5616	-14.2649	-16.264		
70	2.78463	1.343111	1.459544	3.491069	2.90516	2.077126	3.1452	0.573656	-1.93257	2.600726	0.402358	-5.52302	0.0998	-5.52341	-11.1415	-3.31367	-17.7523	-13.7594	-1.78962	-11.5038	-18.297	-11.5372	-14.3117	-17.7447	-15.5433	-20.0843	-15.9864	-15.9899	-11.8707	-11.6357	-16.5467	-15.7998	-14.257	-16.029	-13.9258		
75	2.78463	1.554813	1.880107	3.89435	3.02132	2.255792	3.253531	1.113534	-0.82273	2.921787	0.26767	-4.6939	1.078087	-2.52967	-0.5595	-2.78768	-6.62899	-5.8189	-6.7995	-19.946	-11.9361	-11.5372	-13.5819	-19.7299	-17.7747	-15.0526	-19.8294	-16.2206	-15.8771	-11.5023	-14.7475	-17.2775	-15.8029	-13.8325	-15.5793	-13.6807	
80	2.78463	1.791858	2.241811	4.293379	3.663649	2.452397	3.504549	1.821118	-0.19526	3.007245	0.432291	-3.1092	1.836257	-1.77341	-11.1878	-2.70402	-6.83572	-15.3762	-6.49625	-10.6081	-22.0682	-12.2458	-13.5956	-19.6373	-15.6624	-13.6222	-16.9602	-16.9114	-15.1974	-11.0073	-11.4802	-17.8943	-15.6151	-13.3652	-15.2023	-13.3147	
85	2.78463	2.04697	2.80765	4.638895	3.947234	2.671395	3.841067	2.437218	0.052349	3.112992	1.098572	-2.39203	1.840941	-1.67093	-11.343	-2.30289	-6.34278	-13.8324	-5.88902	-10.0389	-17.9554	-10.776	-12.1022	-18.7861	-14.5519	-12.3763	-18.8415	-16.3203	-13.7737	-10.337	-11.6186	-18.2438	-15.2862	-12.9062	-14.8899	-13.4045	
90	2.78463	2.312364	3.248045	4.895176	4.118687	2.884281	4.18391	2.85396	0.017906	3.27196	1.75669	-2.58717	1.849489	-1.4885	-11.102	-1.98897	-5.42183	-13.3118	-5.53279	-9.23561	-17.8058	-9.85728	-18.0925	-18.5126	-13.8704	-10.916	-17.3393	-14.7217	-12.3287	-9.65151	-11.8642	-18.2325	-14.8956	-12.4865	-14.6344	-12.8007	
95	2.78463	2.580334	3.643193	5.041967	4.153872	3.047479	4.48037	3.083612	-0.20047	3.385484	2.019434	-3.08198	1.581103	-0.83967	-11.5737	-1.521152	-5.52188	-14.0372	-4.87285	-14.7093	-8.97244	-18.4598	-18.1848	-12.985	-10.6861	-16.6847	-14.1352	-11.5527	-9.16967	-12.2575	-17.9486	-14.535	-12.149	-14.7425	-12.5831		
100	2.78463	2.843731	3.982775	5.074369	4.041908	3.123804	4.07696	3.201517	-0.46908	3.412372	1.913569	-3.10095	1.97916	-0.36901	-12.4538	-2.06504	-5.10195	-12.6667	-3.95986	-7.62923	-12.0642	-10.1423	-10.1807	-20.6393	-12.329	-10.892	-17.3656	-14.9506	-11.5799	-9.01234	-12.9107	-17.6058	-14.2654	-11.9818	-14.2574	-12.394	
105	2.78463	3.096298	4.264228	5.002014	3.788906	3.091377	4.868888	3.01777	-0.66581	3.391014	1.718001	-2.89754	1.406808	-0.42984	-12.5672	-1.11826	-3.97439	-12.6229	-2.88426	-6.91248	-10.8786	-14.8314	-8.98965	-12.459	-11.8395	-17.8119	-16.3	-11.2253	-9.19251	-13.9288	-17.3737	-14.0873	-11.7811	-14.7182	-12.2359		
110	2.78463	3.332833	4.490441	4.847552	3.423919	2.953021	4.952104	3.39956	-0.7637	3.300714	1.608733	-2.8294	2.515764	-0.75947	-9.74212	-0.08399	-3.52252	-8.7024	-2.17647	-6.66733	-14.9311	-6.77806	-9.10769	-18.7103	-11.5974	-12.02	-15.823	-16.521	-10.7209	-9.70437	-15.2971	-17.3256	-13.9378	-11.7802	-13.9624	-12.1118	
115	2.78463	3.549232	4.667358	4.64356	2.984367	2.724524	4.940387	3.500667	-0.8284	2.999992	1.417828	-3.53731	2.247297	-0.97271	-8.45463	0.22132	-3.42633	-0.03065	-2.08811	-6.1122	-13.5213	-5.87403	-8.10259	-17.7102	-11.5882	-10.7079	-13.252	-15.2521	-10.1579	-10.5672	-17.4664	-13.726	-11.8944	-13.7984	-12.0259		
120	2.78463	3.742376	4.801781	4.426798	2.541463	2.432	4.796238	3.503365	-0.83624	2.365483	0.823888	-4.2442	1.77142	-1.157	-8.50145	-0.13839	-3.85385	-0.19375	-2.81198	-6.93777	-13.7415	-5.74431	-7.85046	-19.3331	-12.3183	-9.36532	-11.9821	-14.0213	-10.0241	-11.7177	-17.4018	-17.6861	-13.4002	-12.136	-13.6008	-11.983	
125	2.78463	3.910138	4.899629	4.229975	2.158622	2.017998	4.471949	3.271474	-0.73901	1.582666	-0.24334	-4.1234	1.65343	-1.09898	-0.41614	-0.66339	-3.96787	-12.9318	-3.8586	-6.0525	-14.4421	-5.72406	-7.89045	-20.5702	-12.8745	-8.78755	-12.2468	-13.7322	-10.6326	-12.7308	-16.7273	-17.6891	-13.0185	-12.5166	-13.3638	-11.9888	
130	2.78463	4.051154	4.964865	4.073547	1.889727	1.794597	3.931486	2.666565	-0.5972	1.192738	-1.27437	-3.33901	2.016615	-0.52594	-3.73221	-3.19881	-2.01939	-2.9249	-5.0229	-14.0321	-5.16666	-12.5821	-18.9006	-8.7357	-13.7294	-14.3533	-11.9914	-12.879	-15.3378	-12.7276	-12.7218	-13.0476	-13.0009	-12.105	-12.678		
135	2.78463	4.164775	4.992025	3.961505	1.761626	1.550063	3.186232</																														

Raw data – ANT11 (6.995GHz)

Theta/Psi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
0	3.648008	3.002315	4.55785	5.043093	2.524943	1.198689	2.979678	1.968732	-0.356209	2.065292	-0.86601	-9.15706	-1.90637	-0.41186	-7.55496	-0.21069	-6.89495	-0.10297	-6.70309	-0.26581	-21.1239	-14.8398	-15.0826	-20.3741	-22.3296	-19.1881	-22.9535	-19.1984	-17.1769	-19.9415	-17.0694	-16.7126	-14.3701	-13.1664	-16.4887	-17.7149
5	3.648008	2.788416	4.300118	5.141703	2.915698	1.256807	2.813557	1.828552	-0.63703	2.104309	-0.48998	-7.53959	-1.5609	-3.29122	-8.11351	-1.46418	-5.93359	-0.14711	-6.99121	-11.2683	-18.5394	-14.8579	-15.071	-18.3721	-22.0406	-19.9682	-18.8433	-22.469	-17.8083	-18.3201	-15.5016	-14.8513	-14.3846	-14.3493	-17.4936	-17.9764
10	3.648008	2.572504	3.997523	5.162853	3.227438	1.258474	2.528325	1.487325	-1.21664	1.827472	-0.39797	-6.79469	-1.5594	-3.76561	-10.7256	-3.05979	-7.47449	-15.0659	-9.24336	-12.6643	-19.8682	-16.7115	-16.6652	-18.5844	-20.8721	-23.186	-18.2044	-23.25	-18.5426	-17.5752	-14.8807	-13.9471	-14.6083	-16.3345	-19.0232	-18.1779
15	3.648008	2.360324	3.652282	5.088268	3.395939	1.101422	2.084846	0.910041	-0.20273	1.307374	-0.73181	-6.64802	-1.3553	-4.943	-11.459	-4.47736	-10.1189	-14.3639	-10.2546	-14.5457	-19.5914	-16.6817	-17.2906	-19.8694	-19.5789	-28.1945	-20.7776	-23.7206	-19.5188	-18.2354	-15.5492	-13.8981	-14.5645	-18.7239	-21.1381	-18.279
20	3.648008	2.158249	3.272717	4.912088	3.395944	0.781833	1.544672	0.205069	-2.75445	0.851196	-1.11688	-6.46702	-1.22035	-5.29471	-9.66668	-4.15392	-9.59799	-13.0079	-10.5481	-13.717	-17.7531	-14.2697	-17.0375	-24.0622	-20.0871	-25.2668	-24.9099	-23.8988	-20.0849	-18.2079	-16.4582	-14.2144	-13.9366	-20.0619	-25.6878	-18.3222
25	3.648008	1.973089	2.873279	4.647812	3.24224	0.384004	1.08273	-0.35985	-3.0363	0.683136	-1.20582	-6.74622	-1.40717	-5.3678	-9.94695	-4.07866	-9.01315	-14.7225	-11.0373	-13.2023	-16.2393	-15.0473	-21.7267	-20.6207	-28.1781	-24.5501	-26.7975	-24.9155	-19.9739	-16.598	-16.0118	-14.4158	-13.0156	-18.9609	-25.4985	-18.4237
30	3.648008	1.811815	2.475122	4.320315	2.983566	0.081314	0.919857	-0.48847	-2.7947	0.661449	-1.23008	-7.75609	-2.40978	-6.1881	-10.8685	-4.70123	-9.79228	-17.6564	-12.0864	-14.344	-19.767	-15.7719	-20.407	-26.0152	-22.5571	-24.5849	-25.8948	-26.9771	-20.3809	-15.4931	-14.8676	-14.4974	-12.3065	-17.0188	-18.7619	
35	3.648008	1.681251	2.105594	3.973874	2.691619	0.031084	1.130248	-0.20035	-2.46544	0.452732	-1.64297	-9.36209	-3.79737	-7.33202	-10.5218	-5.48253	-10.8027	-17.4413	-12.8441	-15.994	-19.7532	-19.0582	-20.0218	-22.1197	-22.1213	-25.5995	-24.1642	-28.1092	-21.9837	-15.6499	-14.2236	-14.7838	-12.0699	-15.5707	-22.5887	-17.079
40	3.648008	1.587705	1.796538	3.663378	2.445373	0.251825	1.560071	0.198866	-2.49412	-0.11792	-2.6401	-10.9839	-4.82935	-8.50379	-11.0341	-6.68568	-11.9484	-17.2657	-13.8717	-16.8611	-22.8203	-20.0637	-17.8902	-22.2283	-25.0938	-22.608	-26.2996	-24.0216	-16.6096	-14.1275	-15.3946	-12.4682	-14.7841	-20.6253	-17.4708	
45	3.648008	1.536652	1.581134	3.446151	2.311687	0.631262	2.035685	0.46601	-2.9558	-0.79246	-3.71404	-10.9667	-4.97405	-8.65894	-13.9611	-8.6316	-13.9951	-19.0109	-15.1075	-19.1337	-22.911	-21.7316	-22.2473	-18.2555	-22.2392	-21.1634	-23.8662	-24.2598	-17.1108	-14.1543	-16.0928	-13.3844	-14.7439	-17.1677	-17.1081	
50	3.648008	1.531829	1.489029	3.368629	2.326695	1.035629	2.406007	0.519504	-3.53946	-0.82158	-3.475	-8.35658	-3.90702	-8.977	-18.5648	-10.3721	-15.6555	-20.0403	-18.0422	-21.087	-24.5836	-20.7613	-17.958	-19.9316	-16.8045	-21.3507	-19.9497	-20.7679	-22.1034	-16.2088	-13.9673	-16.5096	-14.7049	-18.1348	-16.7304	
55	3.648008	1.575676	1.540065	3.453273	2.487117	1.377939	2.649694	0.420313	-3.59865	0.144603	-1.92693	-6.18583	-2.64639	-7.26947	-21.3407	-10.9014	-16.1466	-18.7584	-19.8578	-20.5955	-22.0865	-17.1794	-17.1603	-20.6008	-17.3418	-21.0614	-17.953	-18.1	-19.6925	-14.6401	-13.4718	-16.4912	-16.1298	-15.1709	-17.4184	-16.3544
60	3.648008	1.668032	1.738135	3.692462	2.758442	1.62643	2.815599	0.379289	-2.83124	1.352316	-0.64641	-5.62983	-1.975	-6.29234	-18.8691	-9.76635	-16.2891	-17.3062	-16.867	-18.3287	-19.233	-14.2	-16.0253	-24.9008	-18.9881	-19.2568	-16.6473	-16.5417	-18.2166	-13.3347	-12.7117	-16.1097	-17.1841	-15.6259	-16.9255	-15.991
65	3.648008	1.806348	2.068095	4.025243	3.09416	1.793325	3.000678	0.635965	-1.79423	1.30889	-0.23317	-4.60427	-1.48509	-5.69527	-15.6078	-13.7369	-13.6359	-16.7742	-12.3671	-17.8627	-17.6283	-14.2523	-15.0671	-23.9328	-19.4272	-17.3012	-15.7404	-15.7132	-17.4639	-12.5764	-11.8418	-17.4936	-15.5828	-15.6463		
70	3.648008	1.985626	2.498102	4.484641	3.451381	1.917196	3.278163	1.221984	-0.28936	2.460777	-0.28617	-5.61696	-4.48653	-6.6641	-13.7952	-7.33699	-10.1918	-16.9917	-9.72031	-13.3811	-16.9818	-11.4656	-14.6883	-24.1198	-20.7053	-16.6136	-15.2818	-15.1799	-16.6302	-12.2088	-11.0455	-14.8268	-17.1512	-15.8808	-16.3345	-15.3227
75	3.648008	2.19877	2.98677	4.936063	3.795095	2.093385	3.644452	1.95133	-0.4767	2.672784	0.012679	-4.14095	-5.052904	-3.38392	-13.391	-4.7303	-8.79018	-16.1487	-8.30906	-12.4423	-17.1971	-10.8593	-13.9003	-28.0252	-24.1736	-16.376	-15.2155	-14.8311	-15.3903	-11.864	-10.4162	-14.3149	-16.5178	-15.3974	-16.141	
80	3.648008	2.43721	3.491744	5.358507	4.094049	2.182649	4.029886	2.611983	-0.4047	3.010182	0.861198	-3.0917	-6.07361	-2.72251	-12.7128	-4.7238	-8.3257	-8.45964	-7.08623	-11.4576	-17.4767	-10.4892	-12.5319	-22.1914	-23.0447	-15.0802	-15.2517	-14.4082	-14.146	-11.332	-9.96603	-14.0898	-15.8611	-14.8019	-15.9769	-16.7366
85	3.648008	2.691684	3.97351	5.712564	4.320072	2.34597	4.35804	3.063799	0.014113	3.393767	1.683615	-3.08889	-1.038166	-2.68897	-11.3678	-3.04681	-8.0043	-13.489	-5.9843	-9.85871	-16.2303	-11.6459	-20.4392	-19.7409	-13.2635	-15.271	-13.5012	-13.1137	-10.6696	-9.70026	-14.1786	-15.3113	-14.1682	-15.828	-14.4206	
90	3.648008	2.953017	4.117224	5.969556	4.449741	2.510011	4.58911	3.24604	0.10384	3.631945	2.097169	-3.90644	0.813979	-2.66941	-10.5296	-3.23576	-15.92179	-5.17595	-8.51098	-15.8182	-9.98472	-11.6149	-20.5246	-17.5366	-11.117	-13.3368	-12.4642	-10.1379	-9.65657	-14.5256	-14.9322	-13.6017	-15.6861	-14.2701		
95	3.648008	3.212776	4.78292	6.111874	4.457081	2.653314	4.727731	1.175725	-0.50856	3.67533	2.116305	-4.77467	0.889945	-2.2127	-10.2949	-1.90674	-5.86514	-12.1669	-4.43308	-7.73551	-16.4036	-8.80754	-11.1133	-19.9051	-14.9408	-10.5453	-15.6812	-12.0871	-12.3527	-9.75056	-8.99647	-15.0238	-14.7593	-13.1555	-15.544	-13.9844
100	3.648008	3.463717	5.077439	6.132644	4.333433	2.759885	4.80614	2.935006	-1.03734	3.635997	1.947063	-4.98235	1.210663	-1.88968	-10.5376	-1.2012	-5.8314	-11.189	-3.55208	-10.9091	-17.8488	-13.5184	-10.1621	-19.9161	-12.8207	-9.95253	-16.7254	-12.6419	-12.7743	-9.53896	-10.4968	-15.7995	-12.8408	-15.3007	-13.7641	
105	3.648008	3.700015	5.294085	6.035191	4.081778	2.822461	4.858136	2.639138	-1.44861	3.637331	1.796509	-4.65685	1.49738	-1.9599	-7.2411	-10.7388	-3.88001	-10.5705	-2.7727	-6.52387	-18.9523	-8.16506	-9.52855	-15.5484	-11.7553	-10.5374	-17.9673	-13.6414	-13.0203	-9.5122	-11.5574	-16.0574	-15.0079	-12.6512	-15.21	-13.3611
110	3.648008	3.917308	5.436234	5.834247	3.706268	2.840268	4.898419	2.38547	-1.6886	3.641213	1.673927	-4.51441	1.69739	-2.01868	-6.46059	0.502639	-3.05978	-10.3711	-2.3922	-6.29307	-16.4616	-7.73673	-10.0646	-16.1623	-11.7323	-12.1384	-16.9257	-14.3151	-12.4808	-9.76443	-13.2111	-16.9257	-15.2492	-12.5841	-14.9816	-13.5764
115	3.648008	4.112598	5.511307	5.545959	3.284131	2.813289	4.914901	2.22951	-1.96691	3.451277	1.403865	-5.1274	1.733068	-1.73245	-7.15613	0.199247	-3.1938	-10.2286	-2.50601	-6.61531	-14.3046	-7.20259	-8.99364	-16.949	-12.8545	-13.5305	-14.7696	-16.4166	-11.5861	-10.4425	-15.5265	-16.9703	-15.2867	-12.5244	-14.6868	-13.2243
120	3.648008	4.284074	5.529298	5.204401	2.819856	2.73726	4.870737	2.167823	-2.45588	2.891892	0.895467	-6.32226	1.33966	-1.89985	-8.45081	-6.24512	-4.24512	-10.4039	-3.18486	-7.53865	-13.8965	-9.52943	-18.9689	-14.5576	-13.0557	-13.4399	-14.581	-10.9507	-11.6149	-17.8483	-17.1895	-14.0484	-12.5463	-14.316	-13.1028	
125	3.648008	4.4309	5.501346	4.840263	2.383419	2.604792	4.710244	1.214317	-2.95513	2.014056	0.336271	-6.01055	0.705613	-2.78867	-1.00059	-3.35586	-5.38988	-11.1904	-3.97277	-7.60484	-14.0385	-7.23149	-9.4888	-20.6325	-14.6934	-10.8247	-12.5227	-13.9621	-10.8464	-13.0769	-17.862	-16.8957	-14.1529	-12.6231	-13.8748	-13.0243
130	3.648008	4.552993	5.438404	4.485129	2.029158	2.41464	4.368696	1.949666	-2.99089	1.188976	0.077001	-3.99087	1.889218	-2.58703	-11.3028	-1.47673	-4.89228	-12.2835	-3.59728	-6.06943	-14.3089	-4.2611	-9.9479	-13.6453	-8.93063	-7.16109	-13.8024	-15.6978	-14.6766	-13.0768	-12.5557	-14.6186	-12.4449	-13.3563	-12.4061	-13.1062
135	3.648008	4.650829	5.350101	4.16386																																

Raw data – ANT11 (7.115GHz)

Theta/Psi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
0	4.337002	3.601326	5.077221	5.679186	3.44416	3.523312	2.187104	0.58644	1.967965	-1.19125	-8.92644	-1.12321	1.708917	-0.78353	-5.90294	-8.62893	-5.07162	-10.1613	-19.8348	-15.7133	-13.9157	-17.2313	-24.0713	-17.6489	-21.0341	-19.9582	-17.1382	-19.2475	-18.1498	-16.9792	-13.8853	-12.4143	-15.4462	-17.5133		
5	4.337002	3.384404	4.802457	5.725898	3.745815	2.118821	3.291844	2.00746	-0.9594	2.080205	-0.40079	-6.38558	-0.17275	-2.96771	-8.24496	-1.01932	-5.1672	-10.9102	-16.9903	-16.0886	-18.518	-16.6583	-15.1937	-16.9779	-23.0086	-16.6826	-17.8579	-26.5503	-18.0472	-18.4814	-17.5048	-15.5688	-13.8429	-13.3557	-16.246	-17.8326
10	4.337002	3.162928	4.48003	5.709445	3.994263	1.975561	2.910406	1.96997	-1.153	1.877406	-0.09311	-7.1337	-0.58449	-0.78951	-8.59949	-1.85992	-6.68931	-13.1913	-17.1366	-16.3446	-17.6315	-20.4065	-21.0439	-17.1614	-27.5587	-18.6266	-17.7985	-17.2278	-14.5845	-14.0839	-14.8441	-17.5335	-18.1855	-16.246	-17.8326	
15	4.337002	2.952001	4.115268	5.591096	4.016697	1.683564	2.904443	0.970169	-2.41498	1.200204	-0.45381	-6.3421	-0.85755	-5.5648	-7.63984	-1.89926	-7.31737	-10.9789	-7.30339	-11.5952	-18.1259	-14.5756	-18.0562	-18.2795	-25.8945	-18.7614	-25.1667	-19.5263	-18.2121	-18.5888	-14.4476	-14.1504	-16.7034	-19.3988	-18.5646	
20	4.337002	2.749402	3.719175	5.238149	3.943945	1.299966	1.869556	0.296961	-3.29137	0.5964	-1.96163	-4.93049	-0.402723	-6.75392	-1.87292	-2.40022	-6.80226	-10.2465	-7.0465	-10.2677	-13.2153	-14.191	-19.2274	-18.3789	-23.3739	-20.4374	-25.5441	-21.0106	-17.9194	-19.7324	-14.8324	-13.8814	-18.296	-21.9488	-18.954	
25	4.337002	2.565338	3.309111	5.096565	3.759469	0.97672	1.566264	-0.1139	-3.69805	0.184141	-1.71318	-6.6007	-0.40157	-4.42001	-8.58448	-2.29317	-6.50207	-13.3678	-8.82397	-11.4694	-16.5804	-14.3188	-15.322	-23.2331	-22.4795	-24.7835	-22.8425	-27.9598	-22.6104	-16.5551	-17.7421	-15.168	-13.9596	-18.4663	-25.0732	-19.3291
30	4.337002	2.407113	2.908775	4.767878	3.516537	0.787829	1.632007	-0.42702	-3.49297	0.084019	-1.94031	-7.49581	-1.48571	-5.58436	-9.95858	-3.01309	-7.89561	-15.8416	-12.6741	-12.8641	-16.8311	-16.8311	-17.4662	-25.825	-22.2075	-25.4349	-30.5797	-24.654	-15.9921	-15.5572	-15.2196	-12.9944	-17.4535	-17.073	-19.6584	
35	4.337002	2.281749	2.547176	4.440364	3.280519	1.0513	1.977527	0.194456	-2.3536	-0.06912	-2.29062	-8.33542	-2.19788	-6.20528	-8.11759	-3.3543	-8.60302	-14.4115	-9.3173	-12.5903	-23.2472	-17.1147	-17.3267	-23.8033	-26.3799	-25.862	-24.7072	-29.2067	-26.4821	-16.7991	-14.5632	-15.2508	-12.9331	-16.3089	-25.8828	-19.9076
40	4.337002	2.195555	2.256368	4.166453	3.11263	1.398811	2.399525	0.468132	-3.47287	-0.50525	-2.89398	-8.1494	-2.22247	-6.24355	-9.90087	-0.6752	-9.1813	-14.8431	-8.95964	-12.7943	-21.8958	-16.7444	-16.2859	-24.0636	-22.3694	-24.5246	-22.4206	-26.1971	-24.6116	-18.1868	-14.7439	-15.4798	-13.3438	-15.5546	-23.4242	-20.0459
45	4.337002	2.153686	2.067874	3.99522	3.053182	1.783497	2.750995	0.562294	-4.0752	-0.89976	-3.14418	-7.32741	-2.20583	-6.55882	-12.0299	-5.43307	-10.5149	-15.5615	-10.4898	-13.902	-24.698	-17.4795	-15.4291	-22.3217	-19.5519	-22.149	-19.6739	-23.4626	-22.291	-18.2475	-14.2185	-15.8187	-14.2554	-15.2666	-21.4596	-20.0528
50	4.337002	2.159679	2.007898	3.959399	3.111334	2.11369	2.98594	0.479031	-4.4919	-0.6328	-2.47943	-6.74438	-2.61021	-7.39946	-14.07	-6.43651	-11.7215	-13.7354	-14.9626	-13.5087	-24.5991	-17.7354	-14.5421	-18.3983	-18.5519	-22.7553	-17.1401	-20.1221	-20.641	-16.7061	-16.2029	-15.5895	-15.3743	-20.9007	-19.9232	
55	4.337002	2.215031	2.091808	4.070086	3.268525	2.39476	3.147822	0.374157	-4.03024	0.309979	-1.43366	-7.9496	-3.26447	-4.85062	-12.534	-6.36744	-11.817	-12.2804	-8.7407	-12.2435	-20.648	-18.5842	-13.3459	-16.9673	-18.8211	-23.0193	-15.2375	-17.316	-18.887	-15.0356	-13.2157	-15.9271	-17.0789	-15.7526	-19.1742	-19.6664
60	4.337002	2.318879	2.319279	4.311616	3.493364	2.57028	3.33893	0.517526	-2.86071	1.282112	-0.81569	-4.74941	-3.47367	-8.73604	-11.4949	-5.90139	-11.5484	-11.8202	-11.7598	-18.229	-13.574	-12.3158	-17.4629	-19.3631	-21.0088	-14.2894	-15.7698	-17.395	-13.9415	-12.602	-15.5501	-18.1929	-16.2412	-18.5778	-19.3016	
65	4.337002	2.467872	2.672387	4.653289	3.755586	2.683717	3.646755	1.042307	-1.75082	1.896636	-0.73955	-7.70014	-2.58685	-7.45024	-11.983	-5.50445	-11.3619	-12.4857	-8.32291	-11.4296	-17.4926	-11.9486	-11.514	-17.492	-19.363	-19.0738	-13.8105	-14.9195	-16.4233	-13.5281	-12.091	-15.0315	-14.8785	-16.6668	-18.1979	-18.8528
70	4.337002	2.65632	3.118421	5.0542	4.029592	2.828922	4.068539	1.804293	-1.02709	2.264163	-0.58285	-6.30836	-1.27864	-5.71906	-12.2635	-10.2884	-13.9719	-8.07767	-10.8609	-17.0391	-11.5974	-11.7631	-18.123	-19.6148	-18.8079	-13.5709	-14.4353	-15.7961	-13.5756	-11.6547	-14.5286	-18.129	-16.8989	-17.9525	-18.3435	
75	4.337002	2.876635	3.616661	5.470038	4.289816	2.972197	4.513298	2.556745	-0.61351	2.64979	0.186123	-4.77893	-0.41128	-4.64111	-11.2752	-0.04351	-9.31973	-14.2678	-7.8791	-10.849	-16.7107	-11.2607	-12.2286	-19.8902	-20.2903	-19.6626	-13.7718	-14.5284	-15.3724	-13.6068	-11.1946	-14.1653	-17.649	-16.8906	-17.7755	-17.7949
80	4.337002	3.119999	4.126213	5.858266	4.56092	3.084045	4.865403	3.105829	-0.40458	3.105905	1.867788	-4.07025	-0.03334	-4.10839	-9.7981	-3.16627	-8.86427	-12.7424	-24.4004	-11.0137	-16.1286	-10.8109	-11.2236	-20.8888	-21.3001	-18.9376	-14.1251	-14.9568	-14.9676	-13.1624	-10.6781	-14.0319	-17.3146	-16.6935	-17.6146	-17.2251
85	4.337002	3.377145	4.611988	6.182457	4.653037	3.1291	5.0416	3.319872	-0.41994	3.477187	1.842397	-4.39304	0.035849	-3.83081	-8.66064	-2.24267	-6.80622	-11.8949	-6.25518	-10.2354	-15.7313	-9.24241	-10.5463	-21.9624	-22.5676	-16.6388	-14.21	-14.9703	-14.3645	-12.2307	-10.2071	-14.8179	-17.1582	-16.3839	-17.4297	-16.6497
90	4.337002	3.639088	5.0477	6.415348	4.69496	3.094326	5.022445	3.155151	-0.11192	3.653768	2.009986	-5.43467	0.01935	-3.50872	-10.6722	-12.6611	-6.65594	-10.4331	-5.4537	-10.6559	-13.7616	-9.16359	-10.5483	-24.6315	-22.5675	-14.5859	-14.212	-14.4414	-15.2205	-15.95115	-14.6301	-17.0962	-16.0305	-17.1797	-16.082	
95	4.337002	3.89772	5.416397	6.540256	4.627416	3.004275	4.864856	2.681995	-1.02903	3.683215	1.852609	-6.74204	0.03692	-3.2088	-9.24084	-1.57426	-5.83767	-14.016	-6.51912	-8.74895	-14.8029	-19.1994	-11.7657	-24.4127	-19.6049	-13.7295	-14.6633	-13.9353	-13.3413	-10.5086	-10.0531	-15.2227	-17.027	-15.6793	-16.8872	-15.5336
100	4.337002	4.146189	5.709542	6.551086	4.447799	2.914615	4.688471	2.098151	-1.16621	3.696348	1.510764	-7.1607	0.25321	-3.0098	-10.7222	-13.9953	-5.85884	-10.4336	-5.48883	-8.8768	-18.9143	-11.7621	-24.361	-25.365	-17.0525	-12.6235	-16.1905	-13.9383	-13.8328	-10.3252	-10.5722	-15.6795	-16.9053	-15.3574	-16.5046	-15.0149
105	4.337002	4.379078	5.925522	6.451523	4.168094	2.884333	4.620599	1.656197	-0.99489	3.765521	1.216155	-6.63894	0.734807	-2.14164	-9.37583	-1.87594	-8.82944	-10.8304	-8.82193	-9.89599	-18.0922	-16.8635	-11.2446	-22.5449	-14.8282	-12.4163	-18.7852	-14.9308	-15.2677	-10.9807	-11.4598	-15.8064	-16.7655	-15.0768	-16.0452	-14.5352
110	4.337002	4.592415	6.068857	6.253926	3.808448	2.593952	4.716909	1.502673	-0.78653	3.810551	0.983345	-5.07083	1.519038	-2.1172	-8.25409	-1.23313	-8.2903	-13.2903	-9.3959	-8.1928	-17.773	-18.59734	-10.3168	-16.6865	-12.9129	-12.308	-20.6768	-16.8394	-16.6526	-10.9617	-12.6164	-15.8134	-16.6023	-14.8397	-15.1012	-14.1029
115	4.337002	4.79355	6.14468	5.978128	3.393499	3.051508	4.924508	1.589005	-0.92074	3.645676	0.66801	-4.99449	2.273183	-1.47561	-7.3277	-7.26992	-16.0575	-8.3004	-9.45319	-16.5804	-18.288	-19.1421	-15.6088	-11.2558	-14.6062	-16.1083	-16.3624	-14.6446	-14.9316	-15.7258	-15.888	-14.6446	-14.9316	-15.7258		
120	4.337002	4.989073	6.165224	5.649955	2.90599	3.148551	5.118295	1.76313	-1.59197	3.744855	0.221196	-4.44138	2.4331	-1.11112	-7.2844	0.016235	-3.16177	-10.562	-8.8694	-6.50717	-14.8556	-17.9429	-8.89103	-16.0759	-11.8659	-11.0741	-14.5457	-17.4272	-13.1973	-15.9328	-16.8262	-15.8698	-14.4951	-14.311	-15.4115	
125	4.337002	5.094066	6.140557	5.298954	2.510022	3.145891	5.1161396	2.42504	-2.95988	3.468305	0.021196	-4.78703	1.604443	-2.59081	-7.13263	-2.67353	-6.02947	-13.3127	-8.3609	-8.3265	-16.2648	-18.2325	-10.3099	-12.2918	-14.5978	-11.5676	-12.0799	-17.6962	-15.0022	-15.064	-14.4066	-13.6788	-13.1671			
130	4.337002	5.213037	6.081169	4.954775	2.112456	2.980326	4.942782	1.76144	-3.32877	3.888824	0.25113	-6.44133	0.394979	-3.25445	-8.06401	-2.13789	-0.70142	-10.5008	-7.81825	-5.9861	-15.557	-16.3856	-17.6088	-19.9217	-13.6489	-9.75269	-11.8474	-13.7825	-11.1498	-12.4968	-17.1852	-17.251	-14.1267	-14.4045	-13.0001	
135	4.337002	5.308435	5.966149	4.642225	1.799758	2.635444	4.395895	1.310489	-3.38235	3.757013																										

Raw data – ANT12 (2.4GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
0	1.517763	2.397713	3.067487	3.278167	2.993708	2.383181	1.816185	1.632284	1.766586	1.874817	1.718988	1.26105	0.590062	-0.15626	-0.862621	-1.50099	-2.14162	-2.89828	-3.85381	-5.03498	-6.49335	-8.08465	-10.024	-12.1124	-13.1458	-11.9589	-10.4004	-10.1143	-11.799	-15.091	-13.0018	-8.73623	-6.6647	-6.63508	-8.70835	-13.8609
5	1.517763	2.465934	3.208534	3.488629	3.2601	2.664113	2.10323	1.723039	1.760196	1.854257	1.750855	1.375187	0.654277	-0.084944	-0.677286	-1.38489	-2.09406	-2.94106	-4.00298	-5.26029	-6.72749	-8.07768	-11.6311	-13.6372	-13.5226	-11.4566	-10.0894	-10.2711	-12.7429	-16.7586	-12.7526	-8.69315	-6.685	-8.93115	-14.2223	
10	1.517763	2.524451	3.332546	3.684402	3.52902	2.956465	2.282806	1.851488	1.723985	1.780477	1.737466	1.471606	0.777844	0.17015	-0.54549	-1.258781	-2.09364	-3.10123	-4.13929	-5.36504	-6.75766	-8.08398	-12.6513	-13.8779	-12.123	-10.1182	-9.92577	-10.1813	-13.6211	-18.2008	-12.7238	-8.69538	-6.45532	-6.83272	-9.24211	-15.8636
15	1.517763	2.572661	3.437886	3.862165	3.785989	3.285745	2.578166	2.078629	1.953581	1.614921	1.614184	1.247489	0.712499	0.566328	-0.15697	-0.808295	-1.89279	-2.88108	-4.00892	-5.36859	-7.06207	-9.0556	-10.6896	-10.6563	-9.2271	-8.17145	-8.2072	-9.69162	-13.8215	-17.5412	-11.4658	-7.76731	-6.88877	-7.08578	-9.65312	-15.1628
20	1.517763	2.610054	3.52281	4.01792	4.03999	3.616931	2.907336	2.143687	1.59119	1.363649	1.34093	1.309047	1.115384	0.656351	0.060043	0.41106	-0.65342	-2.64396	-3.71251	-4.88559	-6.19946	-7.33295	-8.75858	-10.47932	-6.71534	-6.37695	-7.00847	-9.12525	-13.3208	-15.1541	-10.4132	-7.49067	-6.6106	-7.45785	-10.1776	-15.7542
25	1.517763	2.636218	3.585358	4.147342	4.262351	3.952523	3.206429	2.444932	1.635657	1.112428	0.941377	0.833702	0.834709	0.607041	-0.301013	-0.817131	-1.73371	-2.71637	-4.05723	-5.40785	-6.52944	-8.05694	-9.51458	-10.8208	-8.93948	-5.14858	-6.40175	-8.99518	-12.7619	-12.7538	-9.2963	-7.24232	-6.83859	-7.96512	-10.8309	-16.4345
30	1.517763	2.658056	3.628316	4.245371	4.462004	4.280797	3.734036	2.893046	1.915265	1.06669	0.58807	0.434737	0.348332	0.089449	-0.41395	-1.27133	-2.07667	-3.66172	-5.08128	-6.19639	-7.33917	-8.59475	-9.31969	-10.6872	-4.6652	-6.36905	-9.77321	-12.4586	-10.79	-8.26367	-7.05343	-7.18643	-6.82691	-11.6307	-17.2064	
35	1.517763	2.653798	3.63751	4.306905	4.622495	4.584809	4.198055	3.478932	2.502712	1.460476	0.633026	0.175942	-0.2005	-0.2918	-0.66908	-1.17438	-1.90808	-2.77331	-3.92425	-5.26028	-6.30885	-7.19454	-8.21548	-9.30808	-8.14474	-12.0604	-12.0949	-9.18477	-7.39982	-6.96706	-7.67958	-9.47704	-12.9599	-18.066		
40	1.517763	2.645018	3.62371	4.326761	4.73225	4.842992	4.649958	4.140508	3.337293	2.347719	1.382308	0.662856	0.194597	0.020778	-0.21546	-0.47104	-0.75944	-0.99806	-1.15253	-1.83326	-1.13295	-1.13531	-1.39732	-2.17567	-3.79262	-6.74416	-11.908	-15.9107	-10.9174	-7.83271	-6.75243	-7.03288	-8.35237	-10.5442	-13.742	-18.9952
45	1.517763	2.624646	3.581847	4.30003	4.779196	5.041599	4.784382	4.253593	3.503179	2.664783	1.917102	1.319568	0.927648	0.700474	0.405324	0.169024	-0.05353	-0.30094	-0.69423	-1.25634	-1.69055	-2.15969	-3.09044	-3.99425	-6.20643	-9.4156	-18.3162	-14.5161	-8.89956	-6.72055	-6.3639	-7.30405	-9.24484	-11.8671	-15.0749	-19.9489
50	1.517763	2.529984	3.511319	4.222442	4.751639	5.123092	5.32371	5.316006	5.075599	4.622179	4.029991	3.412179	2.875851	2.467942	2.157749	1.872811	1.55042	1.165659	0.720849	0.254902	-0.27123	-0.93067	-1.89298	-3.41168	-5.59056	-9.18495	-11.2695	-9.13667	-6.85828	-5.92569	-6.28833	-7.83204	-10.3885	-13.4606	-16.5138	-20.8372
55	1.517763	2.525012	3.412125	4.09079	4.69393	5.097238	5.452492	5.65775	5.67195	5.488922	5.1419	4.600908	4.194638	3.692264	3.246994	2.877449	2.483534	0.700989	0.17014	0.50236	-1.16254	-1.92948	-2.98837	-4.07247	-5.20411	-5.79083	-5.67089	-5.39033	-5.57436	-6.59122	-8.64649	-11.7551	-15.2248	-18.7777	-21.5168	
60	1.517763	2.497895	3.284981	3.903385	4.434642	4.935017	5.393626	5.753359	5.958851	5.984635	5.835602	5.534356	5.107765	4.578817	3.961106	3.269247	2.521039	1.749007	1.00613	0.348396	-0.16105	-0.5156	-0.77965	-1.06981	-1.49881	-2.12642	-2.93276	-3.82891	-4.75061	-5.80863	-7.32178	-9.68446	-13.1043	-16.6966	-18.7242	-21.8263
65	1.517763	2.435984	3.13144	3.660512	4.133844	4.625503	5.125352	5.567385	5.886566	6.046252	6.034161	5.850578	5.502683	5.066461	4.388726	3.686585	2.945598	2.215963	1.559969	1.037294	0.276412	0.625762	0.628676	0.553027	0.214831	-0.5242	-1.72839	-3.33729	-5.1074	-6.75524	-8.40062	-10.608	-13.768	-16.9613	-18.6185	-21.6814
70	1.517763	2.365804	2.953967	3.364849	3.73841	4.16814	4.643235	5.088131	5.43349	5.642025	5.696092	5.584236	5.302884	4.861434	4.303383	3.670278	3.017128	2.390736	1.841363	1.437563	1.246481	1.249786	1.31306	1.271473	0.79498	-0.26416	-1.9383	-4.23739	-6.68499	-8.3459	-9.29078	-10.6883	-13.1043	-15.7877	-17.6638	-21.1435
75	1.517763	2.28854	2.755986	3.021793	3.26244	3.576745	3.96926	4.341628	4.620588	4.780148	4.813366	4.708916	4.45501	4.057183	3.545751	2.96601	2.362928	1.779224	1.273257	0.930951	0.628109	0.897048	0.970487	0.817047	0.082484	-1.34544	-3.69871	-6.92687	-9.54715	-9.46232	-8.8906	-9.54969	-11.5227	-14.0666	-16.3578	-20.3689
80	1.517763	2.205514	2.541879	2.639634	2.702483	2.883717	3.165914	3.422751	3.562073	3.572326	3.479021	3.293837	3.006249	2.607358	2.106656	1.52736	0.901885	0.282418	-0.23202	-0.51234	-0.50236	-0.33043	-0.27448	-0.64327	-1.73172	-3.87253	-7.4754	-11.7414	-10.7206	-8.01799	-7.09507	-7.82047	-9.8309	-12.4386	-15.0675	-19.5087
85	1.517763	2.118146	2.31691	2.229506	2.099282	2.141469	2.347048	2.531308	2.547782	2.078461	1.72594	1.341437	0.913673	0.424801	-0.13372	-0.74416	-1.33654	-1.77007	-1.90085	-1.77418	-1.59854	-1.70709	-2.42467	-4.00741	-7.15182	-11.2154	-10.4756	-7.0386	-5.23768	-5.04176	-6.19692	-8.42529	-11.1382	-13.9411	-18.6622	
90	1.517763	2.027921	2.08709	1.8059	1.479317	1.41514	1.658591	1.936282	2.005865	1.802715	1.39717	0.908118	0.427841	-0.11723	-0.421222	-0.858294	-1.22007	-1.55691	-1.76093	-1.79137	-1.73945	-1.80762	-2.2405	-3.27074	-5.0205	-10.20385	-1.8839	-5.27513	-3.57495	-2.9228	-3.40356	-4.96973	-7.41419	-10.1782	-13.0136	-17.8809
95	1.517763	1.936332	1.858953	1.382076	0.855038	0.761942	1.203289	1.781486	1.216435	1.119105	1.810198	1.32401	0.707883	0.305438	-0.00733	-0.49169	-0.67388	-0.99905	-1.109123	-1.09137	-1.0806	-1.59066	-2.2249	-3.0207	-4.23274	-5.55123	-5.99119	-2.77797	-1.4373	-1.42188	-2.3495	-6.81293	-9.53571	-12.7777	-17.1864	
100	1.517763	1.844831	1.639246	0.977449	0.268283	0.204618	0.958443	1.927816	2.604564	2.839349	2.671948	2.21626	1.600589	0.979493	0.411943	0.40803	-0.47063	-0.96768	-1.27048	-1.67435	-2.2394	-2.96557	-3.66944	-3.8734	-3.18594	-1.96016	0.88704	-0.40048	0.70156	-1.88773	-3.95585	-6.61884	-9.18126	-11.7152	-16.5846	
105	1.517763	1.75477	1.435458	0.608676	-0.26608	-0.27911	0.788645	2.091637	3.411252	3.324216	2.865076	2.144689	1.392483	0.53483	0.16402	-0.13257	-1.25555	-1.73651	-2.26387	-3.15127	-4.07191	-4.96551	-5.43457	-4.89434	-3.37342	-1.8173	0.70815	-0.2962	0.70865	-0.02164	-4.20072	-6.83347	-9.08499	-11.309	-16.0733	
110	1.517763	1.667352	1.250819	0.292746	-0.73108	-0.73723	0.537629	2.046383	3.106275	3.578495	3.51432	3.018928	2.222648	1.479122	0.32708	-0.50726	-1.1981	-1.80568	-2.44319	-3.22983	-4.25714	-5.55219	-6.94668	-7.73847	-4.8797	-4.94786	-2.96753	-1.5595	-1.04885	-1.41325	-2.75254	-4.97957	-7.46872	-9.2145	-11.0115	-15.6474
115	1.517763	1.583579	1.092322	0.044897	-1.10734	-1.20599	0.089266	1.608955	2.768618	3.257597	3.192933	1.863183	0.894062	0.40529	-0.50726	-1.1981	-1.80568	-2.44319	-3.22983	-4.25714	-5.55219	-6.94668	-7.73847	-4.8797	-4.94786	-2.96753	-1.5595	-1.04885	-1.41325	-2.75254	-4.97957	-7.46872	-9.2145	-11.0115	-15.6474	
120	1.517763	1.50215	0.96417	-0.12317	-1.36843	-1.67488	-0.56129	0.91236	1.95828	2.41237	2.333142	1.83624	1.059861	0.163901	0.66645	-1.26287	-1.56918	-1.66025	-1.69016	-1.77556	-2.04922	-2.46366	-3.2847	-4.64369	-6.6213	-8.45006	-7.77921	-5.90882	-4.61184	-4.55881	-5.90077	-7.33976	-10.0912	-9.97142	-10.7134	-15.0257
125	1.517763	1.42976	0.865979	-0.2055	-1.48425	-2.0654	-1.37378	-0.19703	0.666534	1.057706	0.873468	0.391729	-0.31366	-1.11878	-1.83739	-2.40123	-3.29225	-2.49287	-2.25719	-2.00428	-1.94852	-2.33289	-3.21717	-4.75577	-6.7709	-7.90226	-7.00898	-5.89882	-4.77937	-4.02088	-12.079	-10.4629	-10.6403	-14.8172		
130	1.517763	1.360442	0.770684	-0.26379	-1.43441	-2.25705	-1.21303	-1.48981	-1.07101	0.96596	-1.28772	-1.84362	-2.53241	-3.31302	-4.1127	-4.73658	-4.95589	-4.73867	-4.26295	-3.71454	-3.20977	-2.68858	-2.75947	-3.03997	-3.80681	-5.0041	-5.7077	-5.52149	-5.24496	-5.						

Raw data – ANT12 (2.45GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	
0	1.168262	1.920012	1.813403	0.915733	-0.16743	-0.27478	0.71281	1.725495	2.172394	1.972489	1.215172	0.041398	-1.37828	-2.82652	-4.02622	-4.73473	-4.91317	-4.75336	-4.58593	-4.31671	-4.45368	-4.93757	-5.84038	-7.33228	-9.72371	-13.0172	-13.6626	-10.4885	-8.51129	-8.82613	-11.9933	-15.1558	-10.2265	-7.424	-7.75103	-11.8319	
5	1.168262	2.058188	2.095497	1.331305	0.286499	-0.23743	0.485122	1.504102	2.08603	2.052124	1.455537	0.429531	-0.84466	-2.3961	-3.2097	-3.88635	-4.1668	-4.11457	-3.9676	-3.90866	-4.07197	-4.60401	-5.64966	-7.46397	-10.4348	-14.089	-12.9395	-9.54091	-9.97618	-12.2787	-14.3561	-9.4597	-7.05191	-7.62627	-11.8852		
10	1.168262	2.178812	2.382581	1.788239	0.707439	-0.03761	0.30066	1.233958	1.948968	2.132229	1.784225	1.071161	-0.0025	-1.08072	-2.03421	-2.74453	-3.1398	-3.54052	-3.7189	-4.1216	-4.89987	-6.33748	-8.86351	-13.1007	-16.5051	-11.8301	-8.74884	-7.44365	-8.75763	-12.7277	-13.4894	-8.7387	-6.72658	-7.55711	-11.894		
15	1.168262	2.236042	2.667715	2.268066	1.301238	0.34695	0.211574	0.907142	1.701161	2.127942	2.004577	1.004119	0.263601	0.50445	-1.14535	-1.67522	-2.13275	-2.59675	-3.17939	-4.02738	-5.35433	-7.53184	-11.3109	-17.4524	-14.6476	-9.9007	-7.1602	-6.93249	-9.84106	-13.4048	-12.475	-8.05979	-6.46172	-5.55302	-12.1637		
20	1.168262	2.407314	2.934362	2.751185	1.953998	0.913572	1.034253	0.567376	1.308269	1.948914	2.24601	2.192832	1.875319	4.00075	0.856013	0.293474	-0.28028	-0.90039	-1.65914	-2.62393	-3.97414	-5.89358	-8.72026	-12.4575	-13.1435	-9.57143	6.91716	5.89048	-6.5626	-9.37036	-13.9299	-11.3501	-7.44964	-6.27125	-7.62632	-12.4003	
25	1.168262	2.508264	3.202677	3.219483	2.659114	1.628752	0.667837	0.34725	0.794457	1.523752	2.028375	2.323795	2.004738	0.523572	0.998109	-0.301228	-0.85329	-1.66969	-2.88699	-4.57947	-6.64163	-8.92996	-12.9905	-17.5325	-15.8302	-8.43156	4.96358	5.55188	-10.2039	-14.136	-10.1638	-6.91943	-6.17033	-7.0423	-12.7102		
30	1.168262	2.597402	3.438668	3.656706	3.288259	2.434035	1.33266	0.462039	0.327661	0.866273	1.563663	2.047348	2.192028	1.901298	1.525813	0.812383	-0.106	-1.2272	-2.56193	-4.06253	-5.47986	-6.23854	-8.59108	-12.9077	-13.9265	-9.33995	3.55907	4.68337	-7.20043	-11.6373	-13.3448	-8.99332	-6.49009	-6.17646	-8.04114	-13.101	
35	1.168262	2.67317	3.64537	4.048679	3.903316	3.260565	2.230529	1.073904	0.274075	0.225663	0.71293	1.247344	1.487121	1.347155	0.841308	0.020005	-0.105175	-0.28823	-4.67338	-6.28738	-5.54456	-6.2518	-9.9205	-17.1608	-14.089	-9.54556	3.58589	-8.94838	-13.444	-11.6413	-7.91564	-6.18809	-6.31057	-8.41558	-13.5808		
40	1.168262	2.734179	3.81746	4.383398	4.446922	4.043083	3.226691	2.11292	0.962958	0.195338	0.054747	0.293223	0.49611	0.434977	0.069333	-0.536	-1.25129	-1.88382	-2.19799	-2.04026	-3.50063	-4.86615	-6.4296	-14.0073	-9.9208	-2.15809	4.29079	7.68126	-12.5312	-13.6146	-9.60138	-7.00226	-6.04617	-6.59823	-8.92469	-14.1585	
45	1.168262	2.779255	3.950435	4.650413	4.897293	4.727353	4.183583	3.324268	2.25479	1.195228	0.423212	0.090211	-0.09011	-0.054079	-0.20127	-0.3134	-0.34559	-0.34294	-0.00382	0.385143	-0.08248	0.385143	-0.19429	-1.68366	-3.68146	-7.35956	-13.4635	-16.2831	-10.823	-7.7322	-6.32088	-6.1044	-7.07144	-5.99133	-14.8431		
50	1.168262	2.807472	4.040666	4.841716	5.226782	5.272554	4.996854	4.45211	3.689146	2.796217	1.91546	1.206668	0.762024	0.560343	0.513117	0.532302	0.561672	0.577307	0.581651	0.571241	0.500628	0.255862	-0.34298	-1.53443	-3.65638	-7.34516	-14.4473	-19.3487	-11.123	-7.72394	-6.26999	-5.93892	-6.41174	-7.77091	-10.4435	-15.6523	
55	1.168262	2.818175	4.085455	4.950865	5.451418	5.677424	5.597909	5.343749	4.911816	4.334557	3.666193	2.985929	1.882759	1.500313	1.178307	0.875627	0.500783	0.188259	-0.33847	-0.89949	-1.52929	-2.58946	-4.26302	-6.84938	-10.0525	-10.8979	-8.545	6.50639	-5.51026	-5.92637	-7.02745	-8.74904	-11.5148	-16.5593			
60	1.168262	2.811004	4.083801	4.972592	5.53066	5.831065	5.943469	5.911987	5.752062	5.464706	5.056505	4.544136	3.957555	3.31676	2.625517	1.871128	1.06524	0.191776	-0.8472	-1.7995	-2.67749	-3.47543	-4.22205	-6.85403	-1.51692	-4.95734	-4.44663	-4.01548	-3.92859	-4.28298	-5.05971	-6.35544	-8.0193	-10.0717	-12.8414	-17.5845	
65	1.168262	2.785909	4.023861	4.904597	5.466765	5.807074	6.005483	6.111412	6.135509	6.006861	5.863584	5.52695	5.043222	4.409425	3.625489	2.697781	1.648552	0.533725	-0.53636	-1.40243	-1.93457	-2.90907	-1.77628	-1.69874	-1.41051	-1.27203	-1.42623	-1.95481	-2.8498	-4.04079	-5.49494	-7.2821	-9.44231	-11.8084	-14.4451	-18.6788	
70	1.168262	2.743149	3.935219	4.74592	5.255944	5.565867	5.765313	5.911875	6.020183	6.067253	6.011621	5.812771	5.441777	4.886612	4.154972	3.285531	2.35068	1.461759	0.750188	0.312969	0.100008	0.222039	0.394228	0.555385	0.568104	0.287036	-0.412	-1.58102	-3.13435	-4.85034	-6.60943	-8.64592	-11.226	-13.953	-16.2649	-19.7436	
75	1.168262	2.683297	3.917155	4.498122	4.89787	5.10381	5.212962	5.292178	5.370346	5.434584	5.438455	5.357999	5.174905	4.856258	4.14923	3.160754	2.063966	1.135558	0.149631	0.110034	0.113763	0.156135	0.105103	0.798803	0.103044	-1.11837	-2.89961	-4.98483	-6.77428	-8.13935	-9.90785	-12.769	-16.0513	-17.9642	-20.5892		
80	1.168262	2.607225	3.605319	4.165487	4.397177	4.426175	4.353074	4.247777	4.158889	4.106689	4.064226	3.967744	3.717681	3.290719	2.666108	2.016551	1.381369	0.911393	0.650997	0.554336	0.537843	0.520298	0.411205	0.087099	-0.6141	-1.88833	-3.93071	-6.68292	-8.87756	-8.92276	-8.65587	-9.78232	-12.7105	-16.5945	-18.6283	-20.9663	
85	1.168262	2.516081	3.80071	3.755545	3.764937	3.552652	3.222487	2.829558	2.423909	2.075989	1.829516	1.603717	1.385086	0.976038	0.404983	-0.23843	-0.79711	-1.13848	-1.24312	-1.24312	-1.1037	-1.39926	-2.06982	-3.5042	-6.06839	-10.6325	-15.6656	-11.1213	-7.76991	-6.91794	-8.04829	-10.4976	-14.9746	-17.7599	-20.7313		
90	1.168262	2.411265	3.312153	3.279714	3.020946	2.526423	1.926221	1.249289	0.489658	-0.28255	-0.91712	-1.33548	-1.63923	-1.99202	-2.4526	-2.92975	-3.24595	-3.2716	-3.02851	-2.66668	-2.33018	-2.23356	-2.57286	-3.59114	-5.61491	-9.0518	-12.3393	-9.4977	-6.08463	-4.4767	-4.48985	-6.01297	-8.96938	-12.7746	-16.0625	-19.9879	
95	1.168262	2.294377	2.836467	2.754019	2.196628	1.42524	0.68203	0.020426	-0.66466	-1.42626	-2.16208	-2.75255	-3.09317	-3.50792	-3.57582	-3.60347	-3.27965	-2.77399	-2.223	-2.8009	-1.64794	-1.92398	-2.54231	-4.01018	-5.12475	-9.93559	-13.57339	-22.3302	-1.92654	-2.58962	-4.41501	-7.35132	-10.8951	-14.32626	-18.9816		
100	1.168262	2.167174	2.523948	2.199739	1.338029	0.36587	-0.2082	-0.29021	-0.2337	-0.32615	-0.62055	-1.04881	-1.5264	-1.94982	-2.34241	-2.53375	-2.50881	-2.27583	-1.90031	-1.48098	-1.18231	-1.10745	-1.35305	-1.88667	-2.44412	-2.52239	-8.7497	0.9413	0.33544	-0.45378	-1.43325	-3.40447	-6.23774	-9.46389	-12.8232	-17.918	
105	1.168262	2.031504	2.219905	1.643591	0.507221	-0.51622	-0.56719	0.197465	0.197465	1.578416	1.355029	0.928292	0.37046	-0.35869	-1.06655	-1.61135	-1.9308	-2.04767	-1.92968	-1.78738	-1.7175	-1.83031	-2.25132	-2.53608	-2.69942	-2.09394	-1.01577	-0.06442	0.392726	0.120013	-1.00073	-2.97576	-5.59546	-8.42597	-12.5932	-16.96099	
110	1.168262	1.889237	1.906771	1.116824	-0.22108	-1.11967	-0.52067	0.875147	2.027458	2.628663	2.69512	2.316126	1.598185	0.682663	0.253134	0.33964	-1.26376	-1.98948	-2.47768	-2.78338	-3.0304	-3.33706	-3.91138	-6.63565	-5.16296	-4.80288	-3.42547	-1.77568	-0.51238	0.00804	-0.17915	-1.26722	-3.10747	-5.57077	-7.70697	-10.6057	-16.0039
115	1.168262	1.74201	1.610207	0.652391	-0.77153	-1.4225	-3.38445	1.34565	2.620282	3.285413	3.381735	2.997957	2.272616	1.169885	0.01234	-1.18538	-2.18896	-2.94845	-3.51574	-4.09291	-4.7608	-5.86593	-7.75737	-9.4461	-9.47158	-6.85849	-4.09119	-2.1939	-1.7299	-1.37425	-3.7906	-5.50812	-7.2397	-9.82203	-15.213		
120	1.168262	1.502108	1.316279	0.279798	-1.08872	-1.4733	-3.2038	1.48843	2.744267	3.407889	3.52129	3.152946	2.375568	1.270701	-0.02081	-1.32801	-2.40995	-3.1377	-3.55473	-3.86057	-4.30128	-5.11937	-6.51132	-8.92201	-11.7536	-11.3008	-7.72756	-5.00792	-3.59569	-3.35473	-3.9746	-5.02524	-5.94351	-6.965	-9.30707	-14.5356	
125	1.168262	1.440956	1.053562	0.018493	-1.15729	-1.32708	-1.61119	1.319104	2.439466	3.053588	3.171886	2.826377	2.049113	0.080621	-0.51585	-1.95858	-3.08991	-3.65026	-3.72469	-3.58	-3.8587	-3.7007	-4.3188	-5.47301	-7.19029	-8.89572	-8.8957	-7.47018	-6.26346	-6.01277	-6.46947	-6.78926	-6.59405	-8.82994	-8.73158	-13.9641	
130	1.168262	1.288663	0.81836	-0.12762	-1.00745	-1.02789	-1.051	0.927844	1.775785	2.256061	2.335425	1.99075	1.202467	-0.29644	-1.59329	-3.26994	-4.57538	-5.0611	-4.79987	-4.27693	-3.75453	-3.47945	-3.49661	-3.59169	-4.51089	-5.33135	-5.988	-6.34676	-6.8821	-7.93076	-9.28						

Raw data – ANT12 (2.5GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	
0	-0.37024	-0.08129	0.10416	0.435733	1.152566	2.051412	2.723939	2.929453	2.586476	1.776837	0.588192	-0.88629	-2.5685	-4.3435	-5.98062	-7.19346	-7.87762	-8.15405	-8.19006	-8.12649	-8.06827	-7.97014	-7.93157	-8.12844	-8.96837	-11.0692	-14.6876	-14.3935	-10.4735	-8.79334	-9.81423	-13.8597	-15.171	-11.0149	-10.1154	-13.5736	
5	-0.37024	0.044674	0.295102	0.578624	1.179652	2.05138	2.726204	3.140721	3.017659	2.438945	1.474541	0.194239	-1.34408	-3.00028	-4.78436	-6.23207	-7.12872	-7.41211	-7.26517	-6.95131	-6.6614	-6.50491	-6.60099	-7.17091	-8.02284	-11.6955	-16.6166	-14.1064	-9.8172	-8.44566	-9.78916	-13.8465	-14.1228	-10.4607	-9.93275	-13.624	
10	-0.37024	0.16866	0.52766	0.816742	1.326494	2.10976	2.893901	3.394348	3.481289	3.151856	2.451846	1.43832	0.17603	-1.27527	-3.04809	-4.60821	-5.9116	-6.91277	-7.49428	-7.88989	-8.1016	-8.12777	-8.04428	-7.86165	-7.53225	-7.10083	-6.514275	-5.8203	-5.06179	-4.10444	-3.1928	-1.99547	-0.78026	-13.7104	-10.4047	-9.94547	
15	-0.37024	0.31199	0.793423	1.13895	1.586187	2.263728	3.019872	3.680918	3.866519	3.258974	2.485974	1.612572	0.862396	-0.65359	-1.881	-2.42742	-2.86206	-3.25135	-3.16908	-3.16234	-3.12299	-3.12299	-3.12299	-3.12299	-3.12299	-3.12299	-3.12299	-3.12299	-3.12299	-3.12299	-3.12299	-3.12299	-3.12299	-3.12299	-3.12299	-3.12299	-3.12299
20	-0.37024	0.451267	1.081664	1.522701	1.939596	2.487165	3.139428	3.728424	4.099978	4.180742	3.961033	3.466681	2.746859	1.870223	0.970109	0.137327	0.53329	-0.03309	-0.43256	-1.84352	-2.3893	-3.21371	-4.52263	-6.65795	-10.2168	-15.0636	-13.0395	-9.07291	-7.44675	-8.07509	-11.1848	-14.8504	-11.5623	-10.8542	-9.61305	-14.018	
25	-0.37024	0.588472	1.380659	1.944017	2.362163	2.77545	3.256942	3.755359	4.144089	4.324875	4.289321	3.960442	3.414244	2.589142	1.519403	0.571098	-0.06826	-0.70636	-1.93239	-3.21727	-5.52665	-8.00778	-10.7402	-11.0363	-8.76625	-7.01224	-6.75774	-8.39756	-12.5129	-15.1047	-10.8148	-8.7614	-9.9628	-14.2474	-10.474		
30	-0.37024	0.722149	1.67882	2.37774	2.826645	3.126231	3.400854	3.711491	4.020094	4.236129	4.272382	4.079538	3.650213	3.130313	2.257585	0.946574	0.652282	-0.14578	-0.20297	-1.21166	-3.5306	-5.2593	-7.23951	-9.63155	-14.4684	-17.8061	-6.00487	-5.64255	-6.52851	-9.2656	-14.6704	-14.7709	-10.1054	-8.52186	-9.70048	-14.5335	
35	-0.37024	0.849682	1.965498	2.801763	3.30548	3.535452	3.611003	3.674587	3.783705	3.898413	3.922011	3.762995	3.370014	2.743113	1.927583	0.949257	-0.00791	-1.07728	-2.28468	-3.753	-5.2746	-6.95988	-8.79655	-11.7427	-15.7033	-14.52813	-4.41102	-5.10884	-7.03534	-11.0723	-17.8718	-13.664	-9.45181	-8.38192	-9.78458	-14.8795	
40	-0.37024	0.96861	2.23144	3.197237	3.771976	3.976251	3.915935	3.738783	3.570078	3.454537	3.335969	3.110779	2.694895	2.09445	1.193519	0.173004	-0.04951	-1.14312	-3.36146	-4.45356	-6.49762	-9.47091	-13.64021	-23.2729	-2.89856	-3.08707	-3.91017	-5.58846	-8.65947	-14.5838	-19.4453	-12.0852	-8.8859	-8.35996	-10.4138	-15.2866	
45	-0.37024	1.076703	2.46898	3.548969	4.201158	4.27776	4.310779	3.975631	3.553425	3.138754	2.755473	2.357753	1.873627	1.256552	0.509474	0.37004	-0.17769	-1.96639	-5.26891	-8.07029	-12.9024	-19.6401	-31.9461	-41.1407	-1.89035	-2.88556	-4.63598	-7.44072	-12.1469	-20.4295	-15.6062	-10.4843	-8.46314	-8.48	-10.3451	-15.752	
50	-0.37024	1.172033	2.672069	3.844964	4.570554	4.849132	4.751614	4.378903	3.833372	3.203811	2.558528	1.938702	1.358221	0.817662	0.318521	0.13563	-0.53878	-0.86256	-1.07287	-1.09557	-0.95313	-0.78625	-0.81337	-1.2499	-2.27024	-4.08739	-6.93446	-11.3566	-17.8404	-16.547	-11.7069	-9.15027	-8.23137	-8.77258	-11.0475	-16.2667	
55	-0.37024	1.253009	2.836214	4.076103	4.860877	5.200985	5.170023	4.858934	4.366323	3.693334	2.959974	2.220497	1.582221	0.921558	0.632059	0.330518	-0.058828	-0.21619	-0.46553	-0.66534	-0.82472	-1.05428	-1.54276	-2.58704	-4.12639	-6.81665	-11.6913	-14.6755	-13.7213	-10.8868	-9.06695	-8.22383	-8.26268	-9.27618	-11.6993	-16.8108	
60	-0.37024	1.318401	2.958384	4.255882	5.056546	5.447851	5.494486	5.28999	4.903853	4.376773	3.74262	3.051723	2.370576	1.754753	1.216976	0.72024	0.207339	-0.35769	-0.96107	-1.55765	-2.13697	-2.78443	-3.66693	-4.95559	-6.71521	-8.65947	-9.81059	-9.45517	-8.45344	-7.70094	-7.46986	-7.78052	-8.6108	-10.0392	-12.4917	-17.3488	
65	-0.37024	1.367355	3.036925	4.320263	5.146043	5.561397	5.664939	5.558732	5.312417	4.955078	4.495519	3.945395	3.324275	2.693111	1.922651	1.28353	0.203828	-0.76046	-1.83138	-2.88077	-3.80316	-4.55266	-5.13307	-5.51642	-6.56309	-5.59399	-5.50255	-5.51662	-5.68704	-6.06143	-6.75642	-7.88097	-9.38591	-11.1213	-13.4038	-17.8246	
70	-0.37024	1.399383	3.071486	4.327641	5.122204	5.521779	5.638009	5.583183	5.43313	5.213516	4.915238	4.517894	4.002743	3.356368	2.571593	1.647908	0.596489	-0.60671	-1.66012	-2.59045	-3.16146	-3.8118	-4.55624	-5.28529	-6.01052	-6.21297	-6.29716	-6.37541	-4.589	-5.60957	-6.86207	-8.58831	-10.7049	-12.5867	-14.3617	-18.1641	
75	-0.37024	1.414346	3.062958	4.258612	4.982565	5.318288	5.387595	5.312056	5.179466	5.027005	4.829684	4.555205	4.154599	3.596815	2.876122	2.017099	0.719797	-0.54631	-1.5884	-2.50117	-3.13166	-3.81059	-4.59794	-5.38173	-6.13166	-6.21078	-6.34905	-4.90076	-6.22858	-7.73211	-9.93625	-12.7341	-14.4534	-15.9121	-18.2914		
80	-0.37024	1.412435	3.013413	4.117619	4.729883	4.950379	4.906048	4.722959	4.504001	4.306861	4.13012	3.922013	3.613721	3.156798	2.545522	1.829383	0.183853	0.444689	0.005477	-0.20392	-0.22291	-0.15113	-0.10454	-0.23476	-0.68993	-1.64186	-3.13452	-4.99987	-6.64337	-7.72668	-9.05823	-11.702	-15.5685	-16.445	-15.6139	-18.1599	
85	-0.37024	1.394131	2.926039	3.910098	4.372861	4.42977	4.209774	3.833148	3.40917	3.030282	2.740315	2.504455	2.234674	1.854181	1.342865	0.789398	0.175991	-0.26133	-0.504	-0.74551	-0.52135	-0.64213	-1.07952	-2.02549	-3.68042	-6.13151	-8.67497	-9.35503	-8.90996	-9.65683	-12.7052	-18.07	-17.3997	-15.3007	-17.7775		
90	-0.37024	1.360165	2.80503	3.654568	3.927041	3.783738	3.351495	2.735126	2.019946	1.30788	0.709838	0.26846	-0.0842	-0.45689	-0.90951	-1.38929	-1.82942	-2.09151	-2.15392	-2.07228	-1.94905	-1.92823	-2.2038	-3.03136	-4.68684	-7.56831	-11.7905	-12.315	-9.06993	-7.59363	-8.33585	-11.5257	-16.7555	-16.2012	-14.5664	-17.2027	
95	-0.37024	1.311474	2.655442	3.336527	3.415571	3.068577	2.435995	1.655677	0.854625	-0.20919	-1.26023	-2.51441	-2.86623	-3.43546	-3.92085	-4.31829	-4.55388	-4.00424	-2.5542	-3.54745	-4.39403	-4.79104	-4.854	-6.0891	-9.74266	-10.4417	-7.69931	-5.53979	-5.00139	-6.20474	-9.33251	-13.5569	-13.9673	-14.5164	-16.5148		
100	-0.37024	1.249144	2.482963	2.99772	2.869315	2.31997	1.619978	0.9497	0.300211	-0.43961	-1.33565	-2.3594	-3.4247	-4.36571	-5.00539	-5.5075	-5.55838	-5.28795	-4.8173	-4.29837	-3.89098	-3.77885	-4.17047	-4.95245	-6.4074	-6.53951	-5.46676	-3.82666	-2.82368	-2.95751	-4.46875	-7.47472	-10.975	-11.8563	-12.2003	-15.7862	
105	-0.37024	1.174361	2.29361	2.646259	2.325445	1.644891	1.099471	0.853943	0.37591	0.804113	-0.45923	-1.09634	-2.17028	-3.04277	-3.92184	-4.58174	-4.83809	-4.38039	-3.94191	-3.52023	-3.31228	-3.20468	-3.12948	-4.12948	-4.34505	-4.70778	-4.63683	-3.17539	-1.96167	-1.38478	-1.80317	-3.42844	-6.2556	-9.10709	-10.1412	-11.6028	-15.0694
110	-0.37024	1.088355	2.09335	2.299958	1.823657	1.101995	0.81187	1.221522	1.87831	2.306416	2.327399	1.942799	1.233477	0.32324	-0.67273	-1.44619	-2.00546	-2.28572	-2.38317	-2.45085	-2.4603	-2.6403	-3.06337	-3.78663	-4.48042	-4.75381	-4.11083	-2.77706	-1.05749	-1.04376	-1.50108	-3.09013	-5.65226	-7.9666	-8.8021	-10.0574	-14.3973
115	-0.37024	0.992524	1.887661	1.99579	1.39988	0.728405	0.798433	1.70842	2.759704	3.92066	3.644618	2.759704	1.852319	0.811049	-0.98267	-1.80927	-1.80924	-1.75022	-2.6419	-3.18123	-3.22234	-3.18123	-3.22234	-3.18123	-3.22234	-3.18123	-3.22234	-3.18123	-3.22234	-3.18123	-3.22234	-3.18123	-3.22234	-3.18123	-3.22234	-3.18123	-3.22234
120	-0.37024	0.887538	1.681083	1.686259	1.078933	0.520495	0.881216	2.066332	3.280143	4.08191	4.376177	4.189878	3.583656	2.639694	1.479021	-0.74828	-1.456	-1.87858	-2.30789	-2.67024	-2.73916	-2.73916	-2.67024	-2.73916	-2.67024	-2.73916	-2.67024	-2.73916	-2.67024	-2.73916	-2.67024	-2.73916	-2.67024	-2.73916	-2.67024	-2.73916	-2.67024
125	-0.37024	0.77515	1.47689	1.440497	0.869034	0.446225	0.954344	2.18905	3.28968	4.25329	4.581765	4.425305	3.819873	2.819117	1.577903	0.084596	-0.22198	-1.14953	-2.65509	-2.95076	-3.11467	-3.908	-4.50628	-4.85402	-5.80614	-11.9147	-10.1772	-7.04593	-5.28581	-4.50107	-5.87879	-6.78405	-6.58459	-6.40682	-7.90927	-12.7918	
130	-0.37024	0.655799	1.276576	1.29615	0.760727	0.605765	0.974031	2.094673	4.306569	4.511716	5.353369	4.277194	3.047361	1.62635	-0.25087	-1.18835	-4.85657	-4.72305	-5.1068	-5.7173																	

Raw data – ANT12 (5.15GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	
0	-7.6889	-2.9142	-3.37524	-6.8705	-5.28313	-1.90007	-2.64482	-0.41241	-9.46807	-4.76551	-0.40143	0.18842	-1.2096	-2.57178	-2.29751	-1.43805	-1.04001	-1.58443	-2.8043	-3.56684	-5.07148	-5.07148	-7.99388	-13.4317	-10.6011	-6.85257	-12.6889	-9.32012	-7.1944	-12.7245	-18.3336	-11.8588	-11.5118	-10.6743	-11.9766		
5	-7.70633	-2.95284	-3.14811	-6.59889	-6.34548	-3.99367	-2.78056	-3.09644	-8.0202	-8.40128	-1.70283	-0.11917	0.97099	-2.26437	-2.45563	-2.05339	-2.11524	-2.45563	-2.05339	-2.11524	-2.45563	-5.00185	-5.00185	-7.57979	-8.00009	-13.6171	-11.6958	-9.73203	-14.693	-9.02711	-6.78729	-12.2696	-12.3198	-11.8641	-12.1886	-11.3516	-12.2912
10	-7.70733	-2.97199	-2.98019	-6.09774	-7.35183	-5.18125	-3.52351	-2.93845	-6.09734	-10.7694	-2.99642	-0.40698	-0.91028	-2.3384	-2.22621	-2.56388	-3.00927	-3.19399	-2.92755	-2.88043	-3.20216	-4.34393	-7.45877	-13.2882	-10.1119	-9.8477	-16.644	-8.72563	-17.2453	-13.5126	-16.5907	-11.7598	-13.0012	-12.1091	-12.6933	-12.9731	
15	-7.70301	-3.08843	-2.90946	-5.48703	-8.20449	-6.63677	-4.63355	-3.66604	-5.80225	-10.9255	-0.08043	-0.58362	-0.90214	-9.2172	-9.26912	-3.18769	-3.07339	-3.41692	-3.82144	-3.67305	-5.35075	-8.50345	-13.7087	-8.9026	-9.79692	-16.6723	-8.33081	-7.96673	-16.4045	-14.1841	-11.6213	-13.0072	-12.9717	-12.9717	-12.9717	-12.9717	
20	-6.68959	-3.18393	-2.88448	-4.9006	-8.57564	-7.94398	-5.9838	-5.018	-7.10715	-12.8792	-6.42708	-4.17161	0.16528	-0.64054	-0.14571	-1.20748	-2.37331	-3.10738	-3.31548	-3.67208	-5.21535	-6.87208	-7.57456	-7.80884	-7.10928	-6.74427	-10.5142	-14.7236	-8.0533	-9.41128	-18.1678	-11.9167	-11.6321	-15.2029	-13.8103	-13.7374	
25	-6.68907	-3.3735	-2.9774	-4.4314	-8.10779	-6.85058	-5.80607	-4.66064	-8.99889	-12.8379	-4.46263	-1.00666	0.069229	1.04279	-0.06305	0.024481	-3.54026	-3.06879	-1.97295	-3.34151	-3.79708	-5.07006	-4.93209	-5.91005	-7.14025	-10.1495	-11.5651	-12.2876	-8.8667	-11.0944	-14.2405	-10.3625	-14.5819	-13.7219	-13.7219		
30	-7.73028	-3.59983	-3.19771	-3.99924	-7.01807	-8.42045	-5.67638	-6.54185	-8.45959	-8.39952	-7.2798	-5.68078	-2.36819	-0.1214	-0.23801	1.148013	1.477833	-3.54026	-3.06879	-1.97295	-3.34151	-3.79708	-5.07006	-4.93209	-5.91005	-7.14025	-10.1495	-11.5651	-12.2876	-8.8667	-11.0944	-14.2405	-10.3625	-14.5819	-13.7219		
35	-7.69695	-3.86509	-3.50165	-3.62183	-5.85848	-7.59133	-5.69499	-6.47473	-8.47849	-5.34836	-3.32572	-2.84401	-1.19737	-0.17328	-0.54462	1.197791	1.53022	1.23189	0.28003	-0.94241	-1.98101	-3.09193	-5.12184	-6.88011	-6.05189	-5.83353	-7.80046	-9.3906	-9.8368	-10.2425	-8.53921	-9.13511	-11.1402	-16.1855	-15.629	-14.3038	
40	-7.69477	-4.20472	-3.95834	-3.3423	-4.10814	-6.1957	-5.54756	-5.07816	-6.63387	-2.65114	-1.20224	-0.23893	0.563303	0.916355	0.902181	0.913561	0.781614	-0.01056	-1.41237	-2.80973	-3.83786	-4.71029	-5.26873	-6.80034	-5.07057	-5.31047	-7.61473	-9.06845	-9.34229	-8.36904	-7.53711	-9.22758	-12.6327	-14.8662	-14.8662		
45	-7.69089	-4.50665	-4.51162	-3.16586	-2.86665	-4.58891	-4.62262	-2.65141	-0.80701	0.292429	0.706566	1.01303	1.577133	1.866387	1.628354	1.113283	0.57284	-0.10772	0.93427	-1.81855	-2.72096	-3.33157	-4.38147	-3.95552	-5.45527	-7.30076	-7.87437	-8.03764	-8.28108	-7.34957	-7.24271	-9.10193	-11.0227	-13.1776	-15.9251	-14.8074	
50	-7.67972	-4.86717	-5.12506	-3.05559	-1.87175	-3.05849	-3.15348	-0.46569	1.668151	2.62853	2.622157	2.33205	2.160187	1.93529	1.36438	0.548005	-0.21134	-0.80481	-1.48638	-2.44036	-3.90712	-4.52166	-6.53317	-8.84803	-6.73542	-6.44858	-7.22754	-8.00311	-7.20188	-7.41827	-8.39626	-9.39918	-12.0917	-15.9015	-14.8625	-14.8625	
55	-7.69685	-5.21081	-5.74846	-3.05447	-1.19533	-1.8239	-1.78796	0.96388	3.091838	3.952153	3.8526	3.90211	2.51487	1.521401	-0.00394	-1.24511	-2.11171	-2.26175	-3.63248	-4.76738	-5.13642	-5.13966	-6.17213	-7.63236	-6.69244	-5.55313	-6.38333	-6.69871	-8.9529	-7.7401	-7.64565	-7.46405	-8.20314	-11.582	-15.8908	-14.8301	
60	-6.68693	-5.52487	-6.2722	-3.04262	-0.70755	-0.83063	-0.61809	1.730534	3.705457	4.366745	4.157163	3.490994	2.743581	1.571491	0.178287	-8.07028	-1.52147	-2.60253	-2.74353	-4.66701	-4.101	-4.92365	-5.90821	-5.92008	-5.50812	-6.93154	-10.7164	-12.5697	-9.81255	-8.6144	-7.93119	-6.89422	-7.7669	-11.7144	-15.8833	-14.7079	
65	-6.68569	-5.8188	-6.48389	-2.96204	-0.33966	-0.043625	0.438074	2.149378	3.766084	4.28502	3.828254	2.959611	2.28756	1.805426	1.303196	0.644472	-0.38979	-1.46375	-2.47244	-3.49704	-4.82129	-4.6788	-6.19988	-7.19884	-6.87527	-13.4373	-13.4867	-10.2048	-9.52565	-8.97004	-8.46221	-6.99748	-8.2386	-12.4788	-15.6805	-14.4946	
70	-7.71539	-6.08811	-6.39563	-2.77742	-0.04139	0.880343	1.491301	2.578525	3.57831	3.887467	3.53096	2.70248	1.939065	1.620396	-0.49847	-1.88122	-2.98833	-3.70704	-4.23493	-4.4686	-5.26078	-6.77896	-6.09315	-8.74454	-7.00529	-7.59315	-10.3994	-11.793	-9.18881	-7.91323	-9.55857	-13.6706	-15.3113	-14.9019	-14.9019		
75	-7.68647	-6.31638	-5.96803	-2.39361	0.25628	1.516995	2.356078	3.082019	3.43749	3.542446	3.511804	3.273707	2.784029	2.036991	1.322702	0.533344	-0.30935	-1.16759	-1.97845	-2.70338	-3.22835	-3.69499	-4.54579	-6.00742	-6.84758	-6.38417	-6.70255	-9.44584	-13.9092	-11.9338	-9.3012	-9.20382	-11.5934	-14.6596	-14.6685	-13.9056	
80	-6.69471	-6.45968	-5.37612	-1.96806	0.437877	1.879643	2.865678	3.433839	3.519432	3.586669	3.674508	3.480849	3.303771	2.815819	2.215076	1.058735	-0.40877	-1.40141	-2.91978	-4.5039	-5.86684	-6.86689	-7.48854	-7.86584	-8.19976	-9.22683	-11.6092	-15.1361	-12.8378	-9.41182	-8.64237	-10.1407	-13.059	-14.4536	-13.8908	-13.5306	
85	-7.698	-6.62345	-4.72028	-1.59645	0.547104	1.828614	2.83506	3.482314	3.710795	3.790558	3.989182	4.186914	4.231617	3.92391	3.06066	1.817313	0.430134	-0.98502	-2.24944	-3.14784	-3.61701	-4.07258	-4.76174	-5.83514	-7.28625	-8.80813	-9.94421	-10.2666	-9.19942	-7.96517	-8.12785	-9.96139	-12.254	-13.1509	-13.1187	-13.2035	
90	-6.68407	-6.70739	-4.7625	-1.28922	0.441626	1.453231	2.79852	3.012498	3.650776	4.155369	4.490134	4.638317	4.548378	4.158159	3.201201	1.94334	0.56611	-0.40917	-3.25427	-3.19748	-4.28291	-5.02758	-5.89123	-8.22525	-6.64435	-8.52011	-9.29495	-8.77387	-8.62209	-9.29119	-10.5601	-11.8212	-12.4341	-12.8519	-12.8519		
95	-6.68237	-6.83043	-3.76973	-1.15311	0.188003	0.822334	1.49804	2.341086	3.2785	4.200312	4.816316	4.94261	4.620351	3.889184	2.748408	1.287387	-0.13985	-1.4003	-2.57685	-3.85586	-5.08463	-6.2309	-7.3777	-7.67236	-6.70081	-6.52444	-8.54813	-12.5688	-12.9913	-11.5592	-10.8002	-9.04348	-9.55695	-11.039	-11.9779	-12.5653	
100	-6.68407	-6.93294	-3.53289	-1.23964	-0.31835	0.190934	1.02907	2.105768	3.166387	4.015345	4.452837	4.265898	3.613879	2.742905	1.946061	1.145821	-0.20843	-1.72126	-3.62697	-4.80877	-5.99736	-6.56304	-6.60844	-7.9291	-11.6153	-12.5771	-11.208	-12.2236	-11.6522	-9.61598	-9.64324	-11.0033	-11.7232	-12.5269	-12.5269		
105	-6.68698	-7.08085	-3.48057	-1.57286	-1.08041	-0.32811	1.226148	2.651199	3.637832	4.249195	4.129162	3.318882	2.463674	2.227705	2.535456	2.080903	1.24383	-0.60957	-1.19044	-2.66188	-4.37209	-5.66513	-6.66763	-5.18035	-5.55751	-5.86307	-7.4349	-7.11014	-7.77496	-10.1817	-12.1409	-11.2496	-11.0358	-11.7801	-11.6965	-12.0243	
110	-7.71401	-7.31817	-3.61683	-2.21776	-2.16935	-0.88486	1.449655	3.234788	4.357826	4.973027	4.875451	4.437511	4.449489	3.614783	4.874562	4.208813	2.968365	1.460937	0.10519	-0.21091	-5.44516	-6.54035	-6.61613	-7.0431	-8.22575	-6.7889	-6.1989	-6.68911	-8.18336	-9.72701	-11.7423	-13.8133	-14.3489	-13.546	-14.8231	-13.7942	
115	-7.70335	-7.61071	-3.96823	-3.18184	-3.71318	-1.7369	1.130084	3.137809	4.566382	5.48777	5.822295	6.007065	6.151162	6.889872	6.627257	5.774524	4.727638	3.643011	1.549021	-0.38671	-2.51989	-4.2024	-5.9097	-6.36082	-7.37599	-7.2237	-7.4677	-9.75844	-11.6028	-10.3087	-11.0646	-15.4098	-12.4174	-16.2806	-11.9357	-11.6621	
120	-7.67637	-8.00104	-4.43052	-3.7222	-5.84338	-3.22426	-0.0262	2.083011	3.894818	5.141116	5.562764	5.884351	6.380834	6.732458	7.545134	4.727638	3.643011	1.549021	-0.38671	-2.51989	-4.2024	-5.9097	-6.36082	-7.37599	-7.2237	-7.4677	-9.75844	-11.6028	-10.3087	-11.0646	-15.4098	-12.4174	-16.2806	-11.9357	-11.6621		
125	-6.68813	-8.50019	-5.10498	-5.7587	-8.4823	-5.7504	-2.13183	-0.1535	2.124276	3.579561	3.793107	3.58553	3.894691	4.198698	4.25904	3.999949	3.265768	1.997073	0.579765	-1.29584	-3.30047	-5.539	-6.12244	-5.83097	-6.91337	-6.91875	-6.35591	-6.04041	-6.69445	-8.52623	-10.715	-11.4692	-14.3448	-17.4327	-12.1684	-13.3189	
130	-7.70403	-9.14516	-5.90352	-6.94964	-10.4607	-7.81484	-5.29443	-3.86628	-0.92076	1.079245	1.016136	0.094831	0.874492	1.766114	1.7955	1.12186	0.943362	-1.26992	-5.25942	-7.71725	-7.54821	-8.21367	-8.44848	-6.81369	-6.2421	-6.62732	-8.7618	-11.8171	-10.3631	-11.0987	-14.4535	-12.0168	-11.7402	-11.7402	-11.7402		
135	-7.69222	-9.89954	-6.7584	-7.50634	-8.97224	-9.89664</																															

Raw data – ANT12 (5.20GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	
0	-5.52171	-6.02601	-5.35508	-5.36969	-6.28624	-9.01197	-9.50347	-4.73353	-3.01627	-3.67799	-2.52103	-0.11364	0.520201	-0.41429	-1.04006	-0.65289	-1.19209	-3.15557	-4.80977	-5.53829	-6.81139	-8.77742	-10.849	-12.6277	-13.4527	-13.1241	-11.8802	-12.6765	-13.4978	-12.4891	-11.4534	-13.8241	-11.7929	-10.4309	-11.4815		
5	-5.52171	-6.08132	-5.64511	-6.19863	-7.35173	-8.44921	-6.79756	-3.4135	-2.19856	-3.59883	-3.39115	-0.79035	0.383732	-0.19507	-1.20409	-0.26020	-1.24218	-2.591749	-4.68136	-5.56684	-6.81264	-8.97316	-11.2941	-11.7655	-12.6474	-12.1811	-11.8319	-12.9684	-13.0491	-12.1175	-12.0794	-11.5783	-18.6636	-11.9128	-10.6723	-11.4186	
10	-5.52171	-6.12292	-5.88961	-7.04421	-8.31967	-7.13886	-6.66467	-2.54122	-1.85447	-3.0903	-3.98245	-1.8098	-2.075	-0.28465	-1.08265	-1.58641	-2.62602	-4.78043	-6.12644	-5.92347	-6.54356	-9.00341	-11.4621	-11.2972	-11.2616	-11.3844	-12.1754	-13.2928	-12.3139	-11.0318	-11.5437	-16.0605	-18.1657	-12.1445	-10.9755	-11.5356	
15	-5.52171	-6.15478	-6.10225	-7.95518	-9.23169	-5.90489	-3.33128	-2.36324	-2.29575	-3.2684	-4.18691	-2.83328	-2.12428	-0.91901	-1.08261	-2.09865	-3.03853	-5.15963	-6.14748	-6.84355	-6.26731	-8.47118	-11.9007	-12.3109	-11.6738	-12.1081	-13.7853	-15.1269	-13.0135	-11.0629	-15.5643	-17.5809	-12.523	-11.3246	-11.5745		
20	-5.52171	-6.18125	-6.28985	-8.9963	-10.1369	-4.95886	-2.57343	-2.74041	-3.65471	-4.17448	-4.58688	-4.06861	-2.90068	-2.45285	-2.90113	-3.45862	-4.19782	-6.031	-8.26416	-8.56226	-8.1517	-9.29018	-11.7675	-12.6704	-13.6288	-15.4264	-16.4192	-14.27	-11.3484	-11.392	-15.8655	-17.6291	-13.0642	-11.683	-11.592		
25	-5.52171	-6.20659	-6.49281	-10.2186	-10.9209	-4.18687	-2.07803	-3.39773	-5.92713	-6.0695	-5.50892	-4.947	-4.03732	-3.54194	-3.94038	-5.15459	-6.28497	-7.24573	-8.39619	-8.99599	-7.95959	-10.9018	-11.8653	-12.911	-13.6475	-15.2559	-16.137	-14.8817	-13.7427	-12.1067	-12.5567	-17.4449	-18.2328	-13.0683	-11.9623	-11.8282	
30	-5.52171	-6.23457	-6.69118	-11.6076	-11.228	-3.42949	-1.58366	-3.60809	-7.96869	-8.9293	-6.23154	-3.7984	-2.62409	-2.19522	-2.24308	-3.439	-5.6102	-7.07415	-7.04164	-6.91148	-7.46049	-8.90975	-11.2625	-13.4059	-14.3077	-14.378	-13.9952	-12.7699	-12.3467	-12.5218	-14.1135	-19.7254	-18.5884	-14.269	-13.1833	-11.5436	
35	-5.52171	-6.26821	-6.89514	-12.9711	-10.7611	-2.82919	-1.01889	-2.88169	-6.24141	-7.1384	-4.37953	-2.12737	-1.47372	-0.67326	-0.56648	-1.06646	-2.64761	-4.3414	-6.6608	-5.8507	-5.613	-6.96989	-10.2459	-11.1809	-11.3129	-10.6224	-10.3658	-10.695	-11.4474	-12.7225	-15.0564	-19.8306	-17.7788	-14.2693	-12.199	-11.4737	
40	-5.52171	-6.33955	-7.10088	-13.7955	-9.6984	-2.26025	-0.49158	-1.6399	-2.7628	-2.79695	-1.36008	0.797074	1.13008	0.190717	-0.02732	-0.09891	-1.08059	-2.16164	-2.61369	-3.58675	-5.40226	-6.89735	-7.72175	-8.5552	-8.7629	-8.60722	-8.36938	-8.00661	-10.5513	-12.46	-14.8057	-17.641	-16.2734	-13.9229	-11.5759		
45	-5.52171	-6.39591	-7.30223	-13.505	-8.38265	-1.84217	-0.12454	-0.48952	-0.17572	0.277547	0.777291	1.283458	1.824558	0.338853	0.535871	-0.57852	-1.53663	-1.69327	-2.81833	-6.67301	-8.01007	-7.52494	-6.66332	-6.85867	-7.906	-8.02936	-8.10073	-9.21077	-11.3098	-13.8974	-16.0883	-15.0232	-13.3079	-11.6995	-11.2555		
50	-5.52171	-6.41783	-7.49338	-12.2268	-7.05719	-1.53791	0.084765	0.301662	1.389885	2.00702	2.06356	2.104977	1.649728	0.708327	0.686983	-0.06287	-1.61638	-1.86809	-2.32331	-4.04141	-6.08368	-7.72719	-7.99552	-8.28454	-8.68629	-7.58406	-7.87763	-6.94279	-13.2464	-15.7429	-16.4947	-11.2858	-11.1203				
55	-5.52171	-6.48295	-7.67119	-10.5966	-5.74835	-1.2013	0.318313	0.857833	2.026684	3.078721	2.94217	2.399184	1.444132	0.302142	0.409906	1.070033	0.362283	-1.7007	-2.79563	-3.49881	-5.4302	-7.66994	-8.10435	-6.95529	-7.04307	-8.18527	-8.32291	-7.1858	-7.10057	-9.15536	-13.0303	-16.4477	-14.3752	-12.1432	-10.8502	-10.979	
60	-5.52171	-6.55194	-7.83604	-9.03	-4.49609	-0.648206	0.857114	1.48467	2.612113	3.478483	3.541457	3.077818	1.229645	0.770008	0.157804	0.555805	0.012646	-1.71078	-3.68603	-4.81548	-6.09287	-7.32726	-8.28517	-8.45654	-6.45744	-9.61078	-8.37255	-7.01331	-7.03751	-9.04334	-12.6765	-16.9974	-14.7434	-11.7842	-10.4408	-10.8404	
65	-5.52171	-6.62047	-7.99116	-7.67745	-3.21639	0.188414	1.813787	2.415115	2.95504	3.481734	3.654742	3.473707	2.899014	1.855956	0.764213	0.006654	-1.1498	-2.75988	-4.00339	-5.065	-6.13488	-7.68944	-8.86328	-9.32376	-10.2664	-10.2093	-8.52333	-7.14203	-7.44258	-9.08454	-11.453	-15.6723	-15.0909	-11.5641	-10.085	-10.7127	
70	-5.52171	-6.68278	-8.14022	-6.57704	-2.10212	1.166202	2.982482	3.559525	3.489735	3.3886	3.382147	3.334203	3.026874	2.329466	1.40523	0.198185	-1.71202	-3.3586	-4.83525	-4.3526	-5.53069	-7.7795	-10.223	-10.342	-9.45725	-9.24843	-8.45669	-7.32113	-7.73206	-8.61393	-9.75174	-13.42	-15.0461	-11.4315	-9.79409	-10.6028	
75	-5.52171	-6.73192	-8.28344	-5.73356	-1.19257	2.081644	4.057154	4.630664	4.179812	3.54343	3.32242	3.39858	3.154864	2.332804	1.398528	0.376172	-1.32696	-3.05052	-3.69147	-4.10991	-5.50889	-7.94467	-10.9046	-12.0242	-10.1497	-9.73174	-9.14322	-8.61189	-7.41671	-7.57062	-7.78977	-8.46548	-11.7787	-14.6557	-11.2346	-9.56966	-10.5165
80	-5.52171	-6.76005	-8.4129	-5.14314	-0.55172	2.762119	4.839981	5.411834	4.79892	3.995934	3.821546	4.245183	4.138903	2.998916	1.472045	0.261772	-0.93987	-2.40152	-3.63088	-4.65266	-6.27076	-8.13947	-10.3822	-10.1039	-9.38722	-9.00977	-9.51343	-7.63613	-7.331	-7.30754	-8.04213	-11.159	-14.311	-11.2443	-9.40568	-10.4577	
85	-5.52171	-6.75908	-8.50802	-4.79686	-0.22381	3.112706	5.256776	5.833498	5.185387	4.350624	4.371799	5.065555	5.16317	4.082578	2.308005	0.758432	-0.26919	-1.9199	-2.52038	-3.64036	-5.8351	-8.53121	-12.7274	-13.7148	-10.2872	-10.1749	-9.07203	-7.43782	-7.54929	-8.60938	-11.5933	-14.311	-11.1418	-9.29915	-10.4326		
90	-5.52171	-6.72165	-8.53361	-4.67649	-0.23753	3.089754	5.308813	5.932494	5.340551	4.564909	4.50776	5.050287	5.228461	4.223336	2.724084	1.273806	0.275244	-0.31044	-1.18466	-3.53435	-5.708754	-8.65405	-8.54512	-6.4665	-6.24045	-5.78025	-11.1968	-8.51984	-7.89028	-8.46723	-10.0523	-12.9266	-14.6913	-11.0225	-9.24556	-10.4292	
95	-5.52171	-6.64209	-8.44435	-4.74556	-0.61021	2.676068	5.036309	5.796022	5.3604	4.70219	4.400629	4.312163	3.819148	2.856323	1.863031	0.97446	0.056569	-0.60285	-1.06143	-2.8643	-6.63192	-9.21294	-9.34183	-7.26929	-7.06005	-10.2791	-11.1695	-8.79227	-8.348	-9.53489	-11.45	-14.1937	-15.1549	-10.8784	-9.24383	-10.4681	
100	-5.52171	-6.51743	-8.19853	-4.93693	-1.346	1.867103	4.497459	5.506858	5.307929	4.874642	4.590046	4.616947	2.603126	0.930088	0.334362	0.33662	-0.477	-1.08173	-2.2454	-3.76843	-6.5318	-9.41299	-9.37114	-9.36539	-6.02027	-11.7121	-11.2052	-8.79273	-8.46118	-9.88151	-10.8753	-13.3698	-15.0926	-10.6991	-9.29629	-10.5491	
105	-5.52171	-6.34803	-7.77732	-5.12255	-2.4198	0.66918	3.755219	5.101041	5.138878	4.974673	5.086291	4.929365	3.724807	1.702797	0.721412	0.754445	-0.31561	-2.62421	-3.90172	-6.49757	-6.91394	-9.48103	-10.9392	-12.1372	-12.6568	-11.8419	-10.5936	-8.26996	-8.23217	-9.38172	-8.8444	-11.0721	-14.1824	-10.4825	-9.40884	-10.6321	
110	-5.52171	-6.13764	-7.19697	-5.22354	-3.72957	-0.88621	4.562647	4.742953	4.758837	5.346588	5.589817	4.109808	2.795859	2.211562	0.61016	2.44687	-6.68984	-5.4548	-6.65337	-8.98718	-11.7648	-15.6198	-11.7648	-15.6198	-11.7648	-15.6198	-11.7648	-15.6198	-11.7648	-15.6198	-11.7648	-15.6198	-11.7648	-15.6198	-11.7648	-15.6198	
115	-5.52171	-5.89297	-6.50364	-5.06148	-5.0032	-2.70022	1.889296	3.855844	4.023886	4.023886	4.090994	4.106423	6.40924	5.520017	4.427426	3.555278	1.547214	-1.92581	-4.53856	-5.61005	-5.36205	-7.35701	-11.1311	-11.4903	-12.6269	-8.2451	-7.3659	-6.44038	-7.89124	-8.48285	-6.26654	-8.12641	-11.6806	-10.0352	-9.85402	-10.8959	
120	-5.52171	-5.6227	-5.75551	-4.62776	-5.76462	-4.52939	0.855756	2.965481	2.948659	2.685414	3.541433	5.062164	7.925956	5.480965	4.806675	3.952565	1.848548	-1.87352	-4.7719	-6.0347	-4.47278	-6.09	-9.89221	-12.2869	-12.0172	-7.56345	-6.98473	-6.44659	-8.00905	-8.44652	-6.34338	-8.07733	-10.8683	-9.90423	-12.126	-10.2127	
125	-5.52171	-5.33646	-5.00565	-3.99611	-5.67007	-5.94662	-0.20882	1.923985	1.96198	0.784605	1.290412	2.87088	3.797777	3.791415	3.713745	3.286363	1.125374	-2.60219	-0.59528	-4.99778	-6.63214	-5.96813	-10.0412	-22.5319	-11.3994	-7.72405	-7.99203	-7.53641	-7.94442	-8.30796	-7.44553	-9.07395	-10.4367	-9.91649	-6.6802	-10.1217	
130	-5.52171	-5.04377	-4.29352	-3.28223	-4.91466	-6.54683	-1.28237	0.820001	0.190552	-1.30668	-1.30156	0.28372	1.120057	1.371451	1.371056	1.348434	-0.51697	-4.6254	-6.35242	-6.80855	-8.00022	-7.74598	-10.7827	-16.9775	-9.90975	-7.92778	-8.80994	-9.50716	-7.42834	-7.86363	-9.76478	-11.2553	-10.3017	-10.3131	-11.2674	-11.3742	
135	-5.52171	-4.75331	-3.64412	-2.58198	-3.92967	-6.2704	-2.2625																														

Raw data – ANT12 (5.25GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	
0	-3.27691	-3.73321	-3.47632	-3.19097	-3.73637	-6.42326	-7.61683	-4.42004	-4.74149	-7.38985	-3.13889	-4.05553	-4.07106	-0.32923	-1.80003	-2.71389	-2.56416	-3.46052	-5.12345	-5.77516	-6.41028	-6.24566	-10.06975	-12.1089	-12.0932	-12.9946	-14.5281	-13.5548	-14.3485	-14.7984	-13.4946	-11.987	-13.6661	-20.5725	-12.0778	-12.4881	-13.7456
5	-3.27691	-3.72618	-3.56414	-3.5635	-4.16351	-5.856	-5.97163	-3.74925	-3.99848	-6.94761	-4.06653	-4.07106	-0.44856	-1.55071	-2.90645	-3.59549	-5.08072	-7.08936	-7.12727	-7.12892	-8.75427	-11.33	-11.9014	-11.5105	-12.1048	-12.6222	-13.2427	-13.7557	-12.9179	-11.947	-12.021	-15.1807	-15.3428	-13.6525	-13.7291		
10	-3.27691	-3.70546	-3.60487	-3.95326	-4.69838	-5.12953	-4.28884	-3.07451	-3.43944	-5.60904	-4.32026	-1.23478	-0.44856	-1.55071	-2.90645	-3.59549	-5.08072	-7.08936	-7.12727	-7.12892	-8.75427	-11.33	-11.9014	-11.5105	-12.1048	-12.6222	-13.2427	-13.7557	-12.9179	-11.947	-12.021	-15.1807	-15.3428	-13.6525	-13.7291		
15	-3.27691	-3.67753	-3.62071	-4.41838	-5.469	-4.58759	-3.10075	-2.72573	-3.20188	-4.14722	-3.2647	-1.55595	-0.94616	-1.86113	-3.12368	-3.91565	-5.6151	-7.94829	-8.07005	-7.16884	-8.14274	-10.144	-12.054	-12.1755	-11.3175	-11.565	-12.8487	-14.5229	-15.3572	-11.5397	-11.539	-15.154	-12.8228	-16.3317	-14.2771	-13.7459	
20	-3.27691	-3.64889	-3.66402	-5.00023	-6.22025	-4.38215	-2.51491	-2.91947	-3.70088	-3.2017	-2.4317	-1.55595	-1.90029	-2.92022	-4.20241	-4.92206	-7.12892	-7.92627	-10.0836	-8.60019	-9.75418	-11.1199	-12.0638	-11.6665	-12.4407	-14.0701	-16.0201	-16.6918	-11.4945	-11.7603	-15.7569	-22.7247	-17.5695	-14.8801	-13.644		
25	-3.27691	-3.63448	-3.72802	-5.72058	-8.20559	-4.46715	-3.2914	-3.70844	-5.20013	-3.49727	-2.24198	-2.28574	-2.4613	-2.20034	-4.89022	-6.24515	-6.9351	-8.02937	-9.39749	-10.3355	-11.4565	-12.9304	-12.9312	-12.5813	-14.4477	-16.0326	-19.341	-17.0328	-14.7408	-12.4701	-12.6431	-17.046	-24.1101	-18.7659	-15.2688	-13.8447	
30	-3.27691	-3.60927	-3.82721	-6.5304	-10.5259	-4.63513	-2.47747	-4.79187	-7.791	-4.8851	-3.09505	-2.21722	-1.80279	-2.20893	-3.07334	-4.70408	-6.5513	-7.65537	-9.30749	-10.3355	-11.4565	-12.9304	-12.9312	-12.5813	-14.4477	-16.0326	-19.341	-17.0328	-14.7408	-12.4701	-12.6431	-17.046	-24.1101	-18.7659	-15.2688	-13.8447	
35	-3.27691	-3.60605	-3.96279	-7.31299	-12.6528	-4.60092	-2.43915	-5.08874	-8.68141	-5.46402	-2.61077	-4.07614	-4.01775	-0.96903	-1.36432	-2.17929	-3.77594	-5.14004	-5.50056	-5.75698	-6.64573	-8.40587	-10.0552	-13.2948	-13.2972	-12.4353	-13.2413	-14.1278	-14.2188	-14.067	-14.6291	-18.1555	-20.4454	-18.331	-15.0046	-13.0136	
40	-3.27691	-3.61638	-4.1293	-7.86166	-12.5956	-4.21174	-2.06937	-3.75803	-4.7868	-2.85344	-4.55884	-1.244951	1.083575	-0.15943	-0.49453	-0.68348	-1.77318	-2.79066	-3.20599	-4.22813	-5.96355	-7.37514	-8.41558	-9.52008	-10.3715	-10.1973	-10.2667	-11.2437	-12.8439	-14.0548	-14.5956	-16.9604	-17.8676	-16.7969	-14.3524	-12.7233	
45	-3.27691	-3.6404	-4.3177	-7.96361	-10.2944	-3.5491	-1.45543	-1.8209	-1.20186	0.070336	1.443044	2.551374	2.166128	0.855957	0.58495	0.555923	0.457007	-1.63177	-1.81503	-3.0348	-5.8585	-7.8892	-7.50289	-6.08783	-8.19439	-9.67683	-9.79061	-9.76122	-10.8266	-12.7993	-14.2537	-16.2125	-16.3129	-15.3049	-13.5511	-12.4149	
50	-3.27691	-3.67691	-4.51727	-7.56453	-7.78904	-2.79996	-0.82224	-0.26204	1.03516	2.080097	2.503682	2.872988	2.338675	1.344587	1.468544	1.679505	0.451101	-1.19901	-1.41624	-2.22414	-3.98894	-5.76887	-7.18411	-8.20788	-9.19258	-9.46031	-10.1316	-10.06707	-9.18396	-11.4011	-14.2954	-16.7877	-15.7012	-14.0132	-12.7381	-12.1027	
55	-3.27691	-3.72339	-4.717	-6.81359	-5.74678	-2.06447	-0.28742	0.722252	2.239732	3.078377	3.053384	2.72661	1.896838	0.849511	1.227395	1.852069	0.923785	-1.14581	-1.92919	-2.42986	-2.8342	-6.53376	-6.91176	-6.57502	-7.76501	-9.58055	-9.8652	-8.41712	-8.22238	-10.6257	-14.7694	-18.9519	-15.8545	-13.295	-11.9939	-11.7995	
60	-3.27691	-3.7762	-4.90615	-5.92089	-4.11497	-1.33283	0.208555	1.292435	3.728945	5.14728	3.385077	2.840071	1.937021	0.753674	0.523403	1.104066	0.525001	-1.33865	-2.67952	-3.3851	-6.61448	-6.29468	-6.92091	-7.34567	-9.19747	-10.3228	-9.42266	-7.89661	-7.93216	-10.3804	-14.6536	-21.8926	-16.4836	-12.7363	-11.353	-11.5158	
65	-3.27691	-3.83064	-5.07424	-5.03714	-2.80166	-0.55932	0.819258	1.759888	2.848024	3.50732	3.464933	3.091379	2.500738	1.550992	0.728537	0.407564	0.34733	-1.77006	-2.88284	-3.7762	-9.49785	-6.61934	-7.43364	-7.6226	-8.93631	-9.99776	-9.21559	-7.84801	-8.13168	-10.0679	-13.0049	-20.2712	-17.0648	-12.3691	-10.8226	-11.2597	
70	-3.27691	-3.88119	-5.21059	-4.2032	-1.73939	0.254112	1.618642	2.396984	3.001476	3.390418	3.389214	3.149116	2.69594	1.940374	1.097633	0.183684	-1.21669	-2.56945	-3.17327	-3.82501	-5.12591	-7.22078	-8.62704	-8.26033	-8.00637	-8.65081	-8.94366	-8.14861	-12.6169	-10.932	-16.5837	-17.0473	-12.1125	-10.3964	-11.037		
75	-3.27691	-3.92181	-5.30372	-3.56321	-0.90043	1.033115	2.50345	3.208125	3.417076	3.54304	3.631663	3.532432	3.917838	1.767642	0.667233	-0.33696	-2.00763	-3.77133	-4.43321	-4.78588	-6.0429	-8.24423	-10.1919	-10.22	-8.74706	-8.50518	-8.90804	-8.41383	-8.26706	-8.28039	-9.54509	-14.3809	-16.4949	-11.9074	-10.063	-10.8518	
80	-3.27691	-3.94632	-3.54128	-3.01606	-0.28357	1.671448	3.291088	3.984342	3.94317	3.922599	4.268944	4.563507	4.025583	2.384675	0.68732	-1.13122	-2.54249	-4.24212	-5.67732	-6.3824	-7.3074	-8.14281	-10.3072	-10.1642	-10.3918	-9.94499	-9.56349	-8.52282	-7.92688	-7.74769	-9.14008	-13.6577	-15.9509	-11.7242	-9.81046	-10.7604	
85	-3.27691	-3.94897	-3.51074	-2.59726	0.101394	2.079652	3.825232	4.556964	4.323013	4.137331	4.675277	5.397239	5.249742	3.842569	1.622888	-0.34581	-1.52994	-2.49399	-4.007	-6.23028	-7.8778	-8.75351	-9.10979	-8.92028	-9.52555	-11.208	-10.5407	-8.66143	-7.8355	-7.91205	-7.94295	-14.2871	-15.7803	-11.5566	-9.62887	-10.602	
90	-3.27691	-3.92499	-3.52012	-2.29613	0.245916	2.203718	4.146542	4.899548	4.508172	4.014089	4.837565	5.235975	5.411804	4.522753	2.988884	1.192546	-0.50726	-1.78306	-4.14703	-7.28776	-8.78912	-8.91241	-9.47707	-9.9915	-10.7887	-11.0693	-9.0091	-8.19613	-6.8612	-11.24	-15.9037	-15.9962	-11.4049	-9.51146	-10.3591		
95	-3.27691	-3.87115	-5.00554	-2.09229	0.151683	2.020519	4.190411	5.072332	4.616834	3.798513	3.598463	3.96019	4.0277	3.552862	2.719648	1.632579	0.348665	-0.38023	-0.95452	-2.72771	-6.1454	-8.75502	-8.67195	-9.66631	-10.1807	-10.6964	-11.3456	-9.53473	-8.01098	-9.5576	-11.89	-16.7725	-16.2366	-11.262	-9.45491	-10.5172	
100	-3.27691	-3.78623	-4.72368	-1.95475	-0.16089	1.527341	4.019348	5.126972	4.746892	3.859817	3.242562	2.711126	1.791515	1.146716	0.214435	-0.114334	-0.24432	-1.26982	-1.69091	-2.8653	-7.47282	-8.48338	-8.67095	-9.64694	-10.1107	-10.7262	-11.6032	-9.13337	-7.98785	-10.8576	-14.605	-16.7425	-11.1129	-9.49593	-10.5553		
105	-3.27691	-3.67122	-4.3633	-1.84359	-0.6412	0.735961	3.655807	5.049775	4.824778	4.150827	3.849149	3.480249	2.206781	0.550347	0.608817	1.039619	0.11982	-2.46085	-3.38849	-4.21004	-6.24593	-8.50938	-9.51857	-10.7882	-13.2246	-12.5634	-10.7319	-8.82931	-8.80099	-9.31588	-8.88685	-11.6552	-14.6769	-10.9462	-9.5279	-10.9137	
110	-3.27691	-3.52921	-3.93975	-1.71624	-1.1946	0.32194	3.098869	4.776109	4.681726	4.263272	4.560548	5.070804	4.648544	3.181321	2.36966	2.288192	0.655302	-2.60555	-4.4432	-5.2736	-6.16425	-8.72235	-9.87809	-10.8622	-16.1151	-11.1808	-8.68291	-7.35262	-8.37425	-8.73786	-7.31479	-9.54202	-13.2154	-10.7705	-9.66562	-10.569	
115	-3.27691	-3.36507	-3.47469	-1.53825	-1.67892	-1.56935	2.336196	4.242203	4.186517	3.866431	4.549092	5.693731	5.97952	5.120067	4.328984	3.804231	0.88271	-1.93549	-4.61554	-5.0524	-5.03943	-6.23414	-8.90472	-14.7596	-16.3701	-9.0127	-6.33815	-8.10771	-8.46483	-6.52206	-8.43335	-12.0097	-10.62	-9.88324	-10.8085		
120	-3.27691	-3.18491	-2.98787	-1.29401	-1.19405	-2.83304	1.374272	3.431239	3.304802	2.830782	3.468278	4.945382	4.47671	2.261743	1.160735	-1.56193	-2.99719	-4.6002	-5.23813	-5.21355	-5.84538	-6.69552	-6.76153	-6.28682	-8.16087	-8.40789	-6.57374	-8.31348	-11.2601	-15.963	-10.5463	-10.1873	-10.9609	-11.1352			
125	-3.27691	-2.99547	-2.56489	-0.9906	-1.89543	-3.79429	0.268649	2.41059	2.142257	1.354095	2.50881	3.452466	3.578097	3.817819	3.552245	1.47876	2.16058	-4.5942	-4.86285	-4.54657	-5.60192	-6.27531	-7.20323	-14.6449	-9.08672	-7.72852	-7.29567	-8.11599	-9.16318	-7.50498	-9.24602	-10.0895	-10.6044	-10.3876	-11.1352		
130	-3.27691	-2.80357	-2.04111	-0.65306	-1.58172	-4.12102	-0.80085	1.362307	0.990003	-0.39329	-1.202	0.63652	-0.0446	0.208889	0.112348	0.686826	3.96355	-7.30844	-6.07992	-6.21278	-6.09592	-7.30844	-11.4044	-18.4197	-12.8485	-9.23049	-8.95646	-7.54544	-7.29558	-9.32343	-11.4304	-11.0792	-10.8432	-11.0005	-11.3237		
135	-3.27691	-2.61561	-1.61374	-0.30485	-1.114	-3.73289	-1.56766	0.562676	0.283041	-																											

Raw data – ANT12 (5.3GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
0	-3.79993	-4.2678	-3.22524	-2.7888	-4.26588	-7.7155	-8.36407	-7.46411	-11.7549	-8.36004	-2.72894	-1.11225	-1.41166	-1.78737	-1.28678	-0.86657	-1.51153	-3.01027	-3.92323	-4.40367	-6.12691	-9.38038	-12.0791	-12.7686	-14.5219	-15.6309	-14.9586	-16.0311	-15.524	-13.0579	-11.0755	-12.2544	-18.8905	-16.1542	-14.8723	-16.9355
5	-3.79993	-4.24943	-3.28881	-2.7237	-4.37937	-6.57826	-9.97371	-7.19823	-10.166	-8.96909	-3.5293	-1.41587	-1.26662	-1.52963	-1.25087	-2.3471	-2.80325	-4.1213	-5.01226	-5.9631	-7.55838	-10.1968	-12.8653	-14.7129	-14.8326	-14.1919	-15.009	-13.0678	-11.2887	-12.6766	-14.1726	-19.4108	-16.7496	-14.7962	-16.9642	
10	-3.79993	-4.21295	-3.31241	-3.23626	-4.47709	-5.28518	-5.24088	-6.47773	-8.94809	-7.50426	-3.96449	-1.93698	-1.68972	-2.2048	-3.57915	-3.79255	-4.57504	-5.4149	-6.80161	-6.42906	-8.16382	-10.4275	-11.3162	-11.4179	-11.9222	-12.6041	-13.8789	-14.9497	-14.1642	-12.175	-10.7943	-12.8603	-19.597	-16.169	-16.6621	-16.8106
15	-3.79993	-4.16889	-3.29456	-3.53367	-4.67802	-4.34559	-3.85996	-5.64743	-6.90311	-4.52084	-2.87054	-2.13171	-2.06127	-2.78127	-3.78615	-4.20791	-6.21599	-6.21766	-6.12699	-7.00629	-9.41021	-10.3639	-10.0732	-10.402	-11.9214	-14.3029	-16.06	-14.4388	-11.5878	-10.6646	-13.0217	-19.7226	-19.7518	-17.7761	-16.6901	
20	-3.79993	-4.12171	-3.27254	-3.78727	-5.11165	-3.87364	-3.96193	-5.20006	-5.43639	-2.29565	-1.31494	-1.80152	-2.1127	-3.15396	-3.97524	-4.2	-4.58733	-5.69531	-6.4054	-6.44726	-8.18004	-8.76119	-9.69821	-9.7894	-10.0027	-12.6103	-14.7562	-16.0758	-14.6498	-11.5616	-10.8191	-13.5379	-20.2593	-21.647	-18.8125	-16.3101
25	-3.79993	-4.07914	-3.2676	-4.1073	-5.88422	-3.91403	-2.85932	-5.4043	-5.1374	-1.50426	-0.65832	-1.4193	-2.5122	-3.8928	-3.95368	-4.59707	-5.40953	-6.22273	-7.65102	-8.67703	-9.86992	-10.2056	-10.5674	-12.128	-15.2551	-17.0109	-15.7989	-14.2338	-11.9213	-11.482	-14.476	-20.8225	-20.6227	-19.9327	-15.9235	
30	-3.79993	-4.04664	-3.29343	-4.48164	-7.04729	-4.43219	-3.15178	-6.24843	-6.19596	-2.0773	-0.93738	-1.21774	-1.49622	-3.18632	-3.80673	-4.18506	-4.98911	-5.90242	-6.5021	-7.66482	-9.04282	-10.3931	-12.0359	-12.4249	-13.451	-16.3155	-20.1137	-16.7608	-14.3744	-12.6002	-12.3029	-15.3363	-20.54	-22.2491	-19.0467	-15.468
35	-3.79993	-4.02819	-3.35672	-4.8607	-8.49652	-5.27205	-3.6963	-7.53885	-7.6336	-3.07439	-1.094	-0.54088	-0.82983	-1.31621	-1.67549	-2.18606	-3.08187	-4.09241	-5.14336	-6.28826	-7.12493	-8.58023	-11.3436	-13.3929	-13.4509	-12.7824	-14.763	-15.7214	-14.9043	-13.3293	-12.6502	-15.287	-19.0845	-19.9574	-17.9776	-14.9672
40	-3.79993	-4.02613	-3.45878	-5.1629	-9.68364	-6.01529	-4.00576	-6.16371	-6.02002	-2.38239	-1.016779	-1.058285	-2.066131	-3.091713	-1.01356	-1.427	-2.5811	-3.38985	-3.96965	-5.14118	-6.41043	-7.46115	-8.99181	-11.006	-11.6591	-10.8041	-11.2032	-12.5177	-13.8403	-13.3159	-12.3237	-14.4844	-17.4059	-17.7169	-16.5891	-14.4544
45	-3.79993	-4.04118	-3.59732	-5.30054	-9.58326	-5.58326	-3.74254	-2.58982	-0.264	-1.712032	-2.469477	-1.589561	-0.369698	-0.358487	-0.040803	-1.34318	-2.27095	-2.54073	-4.07542	-6.57597	-7.65025	-7.66607	-8.37849	-9.97842	-10.4326	-10.1924	-10.4965	-11.7745	-12.5413	-11.9533	-13.8977	-16.2304	-15.9442	-15.2312	-13.9245	
50	-3.79993	-4.07239	-3.76781	-5.22267	-8.0955	-5.03879	-2.4194	-1.36449	-0.071746	-1.550194	-2.702875	-3.043039	-2.206951	-1.377305	-1.711621	-1.568835	-0.64852	-1.59987	-1.76136	-2.97207	-5.82529	-7.66947	-7.08537	-7.07818	-8.82803	-10.4644	-10.3171	-9.66964	-10.4047	-12.0584	-12.2213	-14.1374	-15.7445	-14.658	-14.0637	-13.4218
55	-3.79993	-4.11726	-3.96419	-4.94373	-6.21113	-3.64561	-1.13404	-0.368934	-1.724755	-2.652143	-3.100318	-2.963769	-2.017013	-1.258908	-1.815239	-2.026353	-0.613999	-1.33121	-2.69174	-5.06811	-7.14344	-6.92104	-7.01011	-8.92652	-10.6774	-10.316	-9.25897	-9.9124	-12.3968	-13.385	-15.4261	-15.8915	-13.7698	-13.0364	-12.9502	
60	-3.79993	-4.17175	-4.17871	-4.52922	-4.52991	-2.32759	-0.06315	-1.454888	-2.567181	-3.105496	-3.142619	-2.807587	-1.940504	-1.032042	-1.22862	-1.53608	-0.488704	-1.33085	-2.20246	-3.06514	-5.03601	-7.07188	-7.17074	-7.32502	-9.30735	-10.926	-9.97339	-8.8876	-9.87517	-13.0059	-14.8212	-17.5147	-16.4459	-13.1844	-12.2196	-12.5183
65	-3.79993	-4.23043	-4.40109	-4.05571	-3.17947	-1.26086	-0.713154	-2.059105	-2.850429	-3.055361	-2.895961	-2.702175	-2.325534	-1.695555	-1.404335	-1.274265	-0.32314	-1.14469	-2.0141	-3.92585	-4.76526	-6.9967	-7.49151	-7.09705	-8.11907	-9.81491	-9.56703	-8.74414	-9.80796	-12.434	-14.4884	-18.5371	-16.9761	-12.8134	-11.5621	-12.1315
70	-3.79993	-4.28663	-4.61736	-3.58216	-2.1337	-0.44915	-1.25366	-2.402701	-2.917443	-2.869203	-2.578132	-2.466238	-2.411642	-2.139784	-1.87525	-1.444459	-0.33666	-1.06796	-1.80127	-2.63147	-4.43614	-6.83484	-7.83614	-7.00739	-6.9101	-8.25109	-9.22255	-8.95682	-9.47346	-10.7382	-12.5098	-16.9389	-17.0433	-12.5802	-11.0371	-11.7928
75	-3.79993	-4.33284	-4.80898	-3.14358	-1.34276	-0.146389	-1.637687	-2.666431	-3.09509	-3.085607	-2.902502	-2.694941	-2.292502	-1.683967	-1.277566	-0.833613	-0.40658	-1.23716	-3.02055	-3.57	-5.14422	-7.48616	-8.83537	-8.24883	-7.47027	-8.07596	-9.28944	-9.27334	-9.96079	-9.29958	-10.9192	-15.0652	-16.6848	-12.4237	-10.6616	-11.5034
80	-3.79993	-4.36123	-4.95319	-2.75668	-0.7682	-0.55251	-1.90393	-2.896751	-3.409488	-3.724832	-4.00837	-3.969633	-3.159671	-1.448664	-0.24793	-1.24834	-2.57627	-7.17374	-6.2358	-6.31286	-7.04016	-8.82805	-10.232	-10.7856	-10.1432	-9.74429	-9.95269	-9.30345	-8.51785	-8.68801	-10.3589	-14.2183	-16.337	-12.2982	-10.2881	-11.2623
85	-3.79993	-4.36433	-5.02531	-2.42695	-0.38781	-0.774097	-2.054904	-3.043523	-3.629239	-4.216653	-4.970174	-5.370919	-4.753467	-2.877101	-0.03412	-5.76205	-5.30182	-5.37667	-5.72671	-9.13785	-9.27287	-9.69578	-10.3036	-11.4385	-12.6498	-12.241	-10.7027	-9.08636	-8.39432	-8.90777	-10.8167	-14.548	-16.3137	-12.1694	-10.0258	-11.0727
90	-3.79993	-4.35589	-5.03038	-2.1527	-0.18957	-0.806228	-2.070044	-3.05718	-3.500784	-4.1714	-5.109728	-5.816693	-4.238516	-3.04506	-0.7834	-2.55138	-4.97427	-6.66807	-9.20161	-6.919153	-9.49498	-9.7696	-11.2572	-12.4595	-10.9533	-9.12074	-8.43355	-9.71367	-10.2897	-15.9157	-16.5763	-12.0085	-8.92081	-10.836		
95	-3.79993	-4.27171	-4.87228	-1.95209	-0.16217	-0.681128	-2.100744	-3.128873	-3.422953	-3.666739	-4.36233	-5.014083	-4.959508	-4.428574	-2.998435	-1.549033	-1.72164	-3.69876	-6.19496	-7.37941	-7.05766	-9.13022	-9.40586	-9.90902	-10.0348	-12.5407	-9.48124	-9.80124	-10.5676	-12.0899	-17.2483	-16.6548	-11.7932	-9.66675	-10.9346	
100	-3.79993	-4.17024	-4.63191	-1.73232	-0.28514	-0.377232	-2.095958	-3.23481	-3.349636	-3.156183	-3.545073	-4.28573	-4.72219	-2.57789	-2.06634	-2.80231	-3.90231	-5.99084	-8.49356	-8.90877	-9.13977	-9.4679	-11.5452	-11.4452	-10.0681	-12.5654	-11.5185	-11.582	-11.5185	-12.922	-11.5185	-12.922	-11.5185	-12.922		
105	-3.79993	-4.03283	-4.29064	-1.55739	-0.51982	-0.20237	-1.944209	-3.371347	-3.40869	-3.033604	-2.89128	-2.5252	-1.510744	-0.923814	-1.656639	-1.96875	-0.764325	-1.16054	-2.37501	-3.8485	-6.1396	-8.17806	-8.90101	-8.98035	-12.1484	-11.8922	-10.6425	-9.79865	-9.81964	-10.1028	-10.5908	-13.2393	-14.4915	-11.2069	-9.5984	-10.7819
110	-3.79993	-3.86357	-3.873	-1.36028	-0.80227	-0.86705	-1.74573	-3.405232	-3.441348	-3.125764	-3.200336	-3.467858	-2.849507	-2.246881	-0.71907	-2.7071	-3.79594	-5.0302	-6.30087	-7.58529	-8.90043	-11.0052	-14.342	-11.1334	-8.6928	-8.06981	-9.03182	-9.43776	-9.03279	-11.003	-13.0177	-10.906	-9.5155	-10.8228		
115	-3.79993	-3.66874	-3.40526	-1.13941	-1.04393	-1.65384	-1.332599	-1.390488	-1.235817	-2.994357	-3.501513	-4.349662	-4.471566	-3.735264	-3.383786	-3.160074	-1.805747	-2.092424	-4.35605	-5.1992	-5.88963	-6.26989	-8.21764	-12.2609	-16.1157	-9.94754	-7.19277	-6.8599	-8.54576	-9.12767	-8.1937	-7.8121	-11.957	-10.6724	-9.8676	-10.907
120	-3.79993	-3.45002	-2.91496	-0.87911	-1.1504	-2.46904	-0.63302	-2.653776	-2.695954	-2.391953	-2.889934	-2.456878	-2.391953	-2.889934	-2.456878	-2.391953	-2.889934	-2.456878	-2.391953	-2.889934	-2.456878	-2.391953	-2.889934	-2.456878	-2.391953	-2.889934	-2.456878	-2.391953	-2.889934	-2.456878	-2.391953	-2.889934	-2.456878	-2.391953	-2.889934	
125	-3.79993	-3.23365	-2.42668	-0.58326	-1.06103	-3.10382	-0.33707	-1.81672	-1.885774	-1.367844	-1.409361	-2.222766	-2.886644	-2.064095	-3.337196	-3.07845	-1.711147	-1.20689	-4.44001	-5.28055	-5.29273	-6.08229	-6.12968	-7.83537	-10.8569	-10.3721	-7.89152	-7.85599	-9.94817	-8.83131	-8.86439	-10.5208	-11.4897	-10.5764	-9.9562	-11.9899
130	-3.79993	-3.00775	-1.96045	-0.268	-0.78296	-3.27694	-1.39654	-0.828914	-0.959076	-0.270892	-0.33662	-0.007712	-0.240608	-0.915801	-0.93667	-0.70797	-0.36823	-6.60094	-6.94537	-6.98453	-7.72289	-11.2522	-19.4549	-15.6159	-10.429	-0.06867	-9.44942	-8.58574	-8.00505	-10.0498	-12.7453	-11.9501	-10.7468	-10.2666	-11.4017	
135	-3.79993	-2.79172	-1.53154	-0.043982	-0.38395	-2.87116	-2.1475	-0.03316	-0.288508	-0.464	-1.31948	-1.79254	-2.14593	-2.9356	-2																					

Raw data – ANT12 (5.35GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
0	-4.91768	-4.45169	-3.22508	-3.48559	-5.90106	-10.0745	-10.1204	-10.9228	-14.4408	-6.35025	-2.56478	-4.2275	-1.2445	-1.40981	-1.50211	-1.49223	-2.27542	-3.95677	-4.8165	-5.0132	-6.71649	-10.2579	-12.7113	-13.1333	-15.5173	-17.9786	-18.0728	-19.2395	-16.2165	-13.33	-11.9128	-13.0608	-18.5016	-20.8967	-19.8445	-18.3862
5	-4.91768	-4.39279	-3.20007	-3.64959	-5.95999	-7.89999	-8.87852	-11.439	-14.1992	-7.50676	-3.46431	-4.62735	-1.33994	-2.09225	-2.66263	-2.63869	-3.45434	-5.18785	-6.1663	-6.47245	-7.94137	-10.7345	-12.896	-14.0057	-16.5781	-16.5605	-16.8258	-18.1784	-16.4966	-13.8236	-12.2497	-13.476	-18.4419	-21.458	-20.9535	-18.7123
10	-4.91768	-4.31228	-3.26534	-3.71582	-5.24531	-6.0869	-7.12683	-11.2576	-11.4863	-6.99876	-4.45001	-2.35994	-1.49424	-2.3581	-3.68968	-4.05249	-4.53532	-6.0055	-6.5728	-6.89775	-8.26748	-10.7345	-12.897	-12.577	-13.2844	-14.223	-16.1464	-17.3883	-15.792	-13.2629	-11.9845	-13.4249	-17.8245	-22.0702	-22.1302	-17.7735
15	-4.91768	-4.21779	-3.17723	-3.72809	-4.96638	-4.76246	-5.56306	-9.74841	-7.26087	-3.85675	-3.57775	-3.15552	-2.06191	-2.37993	-3.75407	-4.41342	-4.77946	-5.71631	-6.13329	-6.07749	-7.08567	-9.19344	-10.508	-10.919	-11.6671	-13.1085	-16.1585	-17.719	-15.6878	-12.6935	-11.6349	-13.2442	-17.2041	-22.7519	-23.0699	-17.3641
20	-4.91768	-4.11748	-3.05496	-3.72752	-4.86277	-3.95769	-4.47487	-8.01865	-4.38373	-1.10776	-1.29821	-2.74387	-2.47387	-2.56001	-3.43508	-3.76437	-4.75342	-5.68145	-6.13259	-6.06748	-7.08567	-9.26215	-10.6084	-13.0998	-15.9759	-16.9989	-15.3544	-12.5232	-11.7039	-13.3745	-16.9839	-23.4373	-23.2382	-19.603	-16.491	
25	-4.91768	-4.01925	-2.92454	-3.73881	-5.00107	-3.67082	-3.92052	-7.00414	-3.18839	0.159083	0.224058	-1.43293	-2.26515	-2.38354	-3.12046	-3.44676	-3.1511	-3.69774	-5.19971	-4.6882	-7.49997	-8.73296	-9.4903	-9.88715	-11.4393	-14.4515	-16.911	-16.0982	-14.6178	-12.743	-12.2692	-13.9438	-17.2621	-23.8046	-22.3675	-16.4135
30	-4.91768	-3.9301	-2.80612	-3.76477	-5.39445	-3.88963	-3.88842	-6.88607	-3.52762	-0.02818	0.481673	-0.63338	-2.54981	-1.78097	-2.39369	-3.22655	-3.47983	-3.94824	-5.2419	-6.65757	-8.01179	-9.95559	-11.776	-11.5309	-12.8277	-15.6833	-18.0684	-15.9347	-14.3382	-13.2176	-12.9655	-14.658	-17.8844	-23.3331	-23.8523	-15.914
35	-4.91768	-3.85582	-2.71398	-3.78844	-5.90689	-4.56669	-4.30445	-7.26165	-4.84467	-1.11544	0.059153	-0.34819	-1.27152	-1.6444	-1.89396	-2.70389	-3.56283	-3.44902	-5.36639	-6.21818	-7.05901	-8.67946	-11.0837	-13.019	-13.4315	-13.8888	-15.0117	-14.6848	-14.1438	-13.4808	-13.0896	-14.9005	-18.4701	-21.9559	-19.215	-15.4203
40	-4.91768	-3.80081	-2.65791	-3.78218	-6.50206	-5.5005	-5.87807	-6.89309	-4.9362	-1.41758	0.298436	0.359631	-0.71977	-1.52218	-1.67919	-2.26862	-3.18176	-3.88473	-4.7919	-5.89663	-6.75294	-8.7026	-9.72818	-11.8076	-12.5451	-11.7989	-12.0319	-12.4061	-12.9569	-12.8917	-12.4564	-14.4957	-18.6377	-20.2235	-17.7226	-14.9451
45	-4.91768	-3.76805	-2.64471	-3.7219	-6.62953	-6.11014	-4.90885	-4.95472	-2.70287	0.053061	1.508344	1.535507	0.546516	-0.14671	-0.2561	-1.00126	-2.34009	-3.07831	-4.53272	-7.1071	-7.92768	-8.60616	-9.69024	-10.6063	-10.7136	-10.7848	-10.8589	-11.4265	-11.9223	-11.7896	-14.0009	-18.423	-18.6206	-16.4557	-14.498	
50	-4.91768	-3.75905	-2.67947	-3.60082	-6.10687	-5.6453	-3.8471	-2.51198	-2.5053	1.779514	2.69481	2.363548	1.433171	1.09239	1.279042	1.60126	-1.13823	-2.35881	-3.84259	-4.34874	-6.63489	-8.7464	-9.6348	-10.6304	-10.4306	-10.2125	-10.6078	-11.5667	-11.7754	-14.0004	-18.1803	-17.3382	-15.4191	-14.0858	-14.0858	
55	-4.91768	-3.77396	-2.76603	-3.43441	-5.09621	-4.23355	-2.16603	-0.49405	1.383142	2.852461	3.27716	2.664168	1.554652	1.129769	1.439708	0.993015	-0.66215	-2.16422	-2.76407	-4.01933	-6.0976	-7.33055	-7.63246	-8.81152	-10.6357	-10.7839	-10.2299	-9.93994	-10.6547	-12.2469	-12.6721	-14.6975	-18.1293	-16.4052	-14.5927	-13.7129
60	-4.91768	-3.81151	-2.90674	-3.25334	-3.95794	-2.64587	-0.58455	0.903454	2.198254	3.160256	3.354865	2.772542	1.740184	0.987853	0.916404	0.500071	-0.88825	-2.9668	-2.99547	-4.17759	-6.21852	-7.62282	-7.97828	-9.11491	-11.41138	-11.6753	-10.116	-9.75738	-11.1451	-13.573	-14.1825	-15.856	-18.2047	-15.7913	-13.949	-13.817
65	-4.91768	-3.86906	-3.10164	-3.09037	-2.93895	-1.3269	0.609361	1.765186	2.392981	2.791706	2.907163	2.780198	2.425099	1.916846	1.515252	0.896959	-0.35248	-1.58735	-2.21805	-3.32232	-5.24643	-7.56563	-8.70763	-8.0704	-9.11927	-10.5811	-10.028	-9.81352	-11.3939	-13.8599	-14.8911	-16.5807	-18.1742	-15.4477	-13.4582	-13.0932
70	-4.91768	-3.94262	-3.3406	-2.96923	-2.13488	-0.3819	1.391555	2.25431	2.306563	2.114495	2.153948	2.560285	2.890477	2.840409	2.616611	2.100097	0.950545	-0.38454	-1.15991	-2.18163	-4.33064	-6.77345	-7.69096	-6.95046	-6.88854	-8.48035	-9.81523	-10.1771	-11.0484	-12.4079	-13.8265	-16.0886	-17.9152	-15.32	-13.0901	-12.8471
75	-4.91768	-4.02687	-3.63344	-2.8997	-1.55995	0.203545	1.805823	2.512049	2.345597	1.943343	2.012221	2.589796	2.934282	2.78959	2.621265	2.329068	1.286552	-0.33688	-1.47612	-2.36399	-4.26386	-6.75014	-7.97138	-7.28473	-6.65867	-7.77029	-9.75214	-10.4383	-10.3447	-10.9254	-12.4921	-15.1099	-17.5928	-15.3487	-12.8145	-12.6427
80	-4.91768	-4.11536	-3.94448	-2.87788	-1.19857	0.463211	1.884643	2.579613	2.624856	2.644106	3.08865	3.603218	3.364568	2.207211	1.1894	0.778242	-0.19085	-2.13673	-3.80031	-4.39988	-5.75905	-8.00188	-9.38467	-9.38541	-8.51128	-8.78649	-9.96175	-9.98999	-9.60422	-10.2547	-11.9724	-14.6149	-17.4875	-15.4621	-12.4787	-12.4787
85	-4.91768	-4.20078	-4.25481	-2.88906	-1.02826	0.423574	1.641096	2.412236	2.868494	3.471842	4.364269	4.980577	4.500657	2.54449	-0.18116	-1.93205	-2.99394	-4.83751	-7.20987	-8.08191	-8.63565	-9.7919	-10.7964	-11.16212	-10.7424	-10.0105	-9.06526	-9.05137	-10.3813	-12.4541	-14.9517	-17.7387	-15.5673	-12.43	-12.5442	
90	-4.91768	-4.27541	-4.5309	-2.91133	-1.02514	0.108008	1.104324	1.99225	2.804	3.708866	4.920808	5.688898	5.35499	3.62141	0.891496	-1.86743	-3.73762	-4.85556	-6.42114	-8.04281	-10.5053	-10.6969	-12.1126	-12.781	-11.7613	-9.9828	-8.53302	-8.892	-11.004	-13.7209	-15.9828	-18.1563	-15.5678	-12.2769	-12.2681	
95	-4.91768	-4.33182	-4.73439	-2.91979	-1.10028	-0.44728	0.372414	1.439198	2.62184	3.512298	4.620404	5.76368	5.176436	3.989899	2.199493	0.891491	-1.05951	-2.23228	-3.6004	-5.75739	-8.52377	-10.2203	-10.585	-11.2299	-12.0126	-11.6857	-10.0706	-9.43984	-11.5946	-14.7398	-16.6635	-18.0917	-15.3398	-12.133	-12.22	
100	-4.91768	-4.36361	-4.8299	-2.88879	-1.39254	-1.17783	0.36331	0.998876	2.088489	2.896465	3.801697	5.172347	3.241116	2.567071	1.784704	0.52177	-1.00993	-2.35415	-4.1137	-6.74737	-9.31669	-10.9484	-11.9734	-11.8107	-11.1827	-10.1456	-9.88507	-11.5715	-13.8699	-15.4468	-17.0115	-14.9077	-11.9967	-12.307	-12.307	
105	-4.91768	-4.36618	-4.79355	-2.87597	-1.69524	-1.58931	0.46004	0.838193	1.868307	2.595302	3.575364	5.415195	3.721614	2.16805	2.359745	2.349059	-1.03823	-2.50607	-4.06762	-6.73797	-9.37359	-10.9584	-11.7293	-12.5677	-11.6069	-11.2097	-10.7173	-10.2213	-10.0975	-11.8521	-13.2107	-15.3705	-14.3383	-11.8748	-12.2378	
110	-4.91768	-4.33732	-4.62369	-2.6071	-1.8928	-2.72728	-1.2259	0.839289	1.755148	2.394504	3.162055	5.326622	3.072844	2.357417	2.546769	2.17225	1.34585	-1.22847	-4.488	-5.75768	-7.7223	-10.0954	-11.4375	-13.2531	-10.316	-9.05251	-9.41476	-9.89531	-10.2132	-10.2473	-11.4376	-13.9224	-13.751	-11.7795	-12.3053	
115	-4.91768	-4.27752	-4.33845	-2.3457	-1.99997	-3.42741	-1.51216	0.740058	1.525922	2.103868	3.041158	3.86553	3.971846	3.458933	3.344852	3.120922	1.589963	-1.07336	-4.59736	-6.11908	-6.69265	-8.18643	-11.789	-13.37	-9.20989	-7.37613	-7.9795	-9.47225	-9.91624	-9.53774	-10.5684	-12.9884	-13.2464	-11.7257	-13.414	
120	-4.91768	-4.18985	-3.97042	-2.01368	-1.92094	-3.84667	-1.96181	0.340023	1.043351	1.485948	2.36711	3.39584	3.390138	3.766169	3.758544	3.71363	1.683255	-2.04992	-6.22023	-4.5926	-4.91485	-5.76107	-8.3366	-13.2865	-10.6033	-9.42632	-7.06568	-7.64752	-9.47963	-9.96836	-9.72965	-10.6775	-12.6416	-12.8794	-11.728	-12.5635
125	-4.91768	-4.07949	-3.55662	-1.63491	-1.6413	-3.89103	-2.59672	-0.30584	0.354383	0.575243	1.815525	2.38303	3.601266	2.959746	2.701408	1.00448	-2.04969	-4.25246	-5.55313	-6.76025	-9.01587	-16.9055	-20.1049	-10.8345	-7.94639	-8.46747	-9.62593	-9.70036	-10.5489	-11.7991	-12.8252	-12.6606	-11.7995	-12.7567	-12.5658	
130	-4.91768	-3.95305	-3.13902	-1.23947	-1.20347	-3.4557	-3.1482	-1.05714	-0.32642	-0.2982	-0.36937	-0.28399	-1.01687	0.088885	0.707932	0.313434	-0.9042	-3.84633	-6.43466	-7.68974	-7.85274	-8.67336	-12.2643	-19.199	-18.3616	-11.4346	-9.07319	-9.66562	-9.08332	-8.62354	-11.2638	-13.9235	-13.3804	-12.5701	-11.9513	-12.9943
135	-4.91768	-3.81778	-2.72025	-0.85746	-0.6859	-2.61507	-3.14463	-1.53134	-0.75361	-0.77765	-1.26186	-1.54918	-1.85208																							

Raw data – ANT12 (5.47GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	
0	-2.22204	-2.42757	-3.21733	-4.04925	-5.27907	-6.06752	-8.18159	-12.4513	-4.85470	-1.97676	-2.70099	-2.62505	-0.88816	-1.96393	-2.52251	-1.31414	-2.41854	-4.95764	-4.19506	-4.29112	-7.97571	-11.1668	-10.0721	-11.0891	-15.1025	-21.1121	-21.3419	-16.1103	-11.8983	-11.519	-13.6301	-16.702	-17.9446	-20.6007	-17.0881	-15.2618	
5	-2.22204	-2.2323	-2.8938	-3.44765	-3.8663	-5.03052	-6.11377	-6.3649	-5.6184	-2.42141	-2.49675	-2.59047	-1.76709	-2.59306	-2.45421	-1.67507	-4.9211	-4.65421	-4.75814	-7.75314	-11.4696	-11.2234	-11.5136	-14.8395	-19.6525	-21.3146	-14.9097	-11.0915	-10.757	-12.7289	-15.4958	-16.681	-19.4376	-16.6582	-15.0605		
10	-2.22204	-2.03301	-2.51106	-2.70331	-2.48248	-3.79073	-6.95658	-19.4155	-6.54873	-3.52278	-2.77523	-2.50715	-2.57337	-3.10623	-3.16043	-2.51889	-1.54966	-2.38204	-3.26558	-5.23647	-5.66184	-7.44539	-6.66449	-9.90312	-10.5296	-13.5661	-17.7083	-17.4416	-13.7134	-10.9321	-10.9306	-12.4247	-14.4168	-15.8578	-13.8668	-14.8575	
15	-2.22204	-1.83409	-2.02699	-1.98577	-1.37675	-2.80052	-9.92735	-13.0815	-8.58584	-4.67192	-3.62554	-2.17406	-2.26529	-3.06249	-3.12685	-2.05621	-2.62425	-4.15034	-5.63347	-6.89986	-7.96418	-8.95066	-9.00077	-11.5561	-14.104	-13.5041	-11.923	-11.5133	-13.5347	-12.0087	-13.4452	-15.8878	-18.2333	-15.3448	-14.7197		
20	-2.22204	-1.64005	-1.67552	-1.3811	-0.62745	-2.11921	-9.15516	-8.13559	-9.59084	-4.13057	-4.77291	-2.34682	-1.59421	-2.95381	-3.35552	-2.86804	-3.97414	-5.59138	-5.498	-5.31812	-6.37712	-7.71292	-9.24187	-10.0253	-10.6744	-11.9494	-11.8567	-11.9363	-12.5145	-11.734	-11.3239	-12.85	-15.9459	-17.9841	-14.9328	-14.6334	
25	-2.22204	-1.4553	-1.27343	-0.94074	-0.25137	-1.72631	-7.38421	-5.25853	-1.54067	-1.8873	-2.12067	-1.82067	-1.76529	-2.75329	-3.19021	-1.421616	-4.60345	-6.32346	-5.93619	-5.61821	-6.97445	-8.79792	-9.17688	-10.7529	-12.6151	-12.242	-12.6678	-13.6285	-13.6867	-11.7224	-11.0487	-12.9867	-17.6801	-14.6194	-14.6045		
30	-2.22204	-1.28406	-0.9083	-0.68368	-0.25437	-1.66471	-5.87478	-4.00428	-0.6043	-0.26619	-2.19235	-3.25462	-2.50742	-3.08015	-3.98619	-3.5706	-3.56168	-5.58369	-5.34929	-6.2076	-8.23556	-10.1043	-11.3688	-13.0081	-14.4206	-15.3843	-15.6998	-14.4774	-12.4238	-11.8419	-13.9706	-17.7485	-17.1457	-14.4422	-14.6385		
35	-2.22204	-1.13022	-0.59284	-0.60429	-0.64846	-2.05289	-2.05289	-5.3459	-4.17713	-0.97714	-0.11486	-1.39507	-2.85462	-2.65457	-2.49668	-2.55538	-2.58689	-3.5805	-4.84242	-7.01464	-9.09397	-10.6494	-11.7687	-12.5581	-15.4091	-15.3155	-13.8174	-14.0557	-14.3273	-14.0583	-15.466	-17.1329	-16.4437	-14.5154	-14.7396		
40	-2.22204	-0.99731	-0.3345	-0.6773	-1.42443	-3.02559	-5.8846	-5.1824	-2.02948	-0.91379	-1.84431	-3.0592	-2.99519	-2.43745	-1.77571	-1.13486	-1.71959	-3.3584	-3.91388	-3.99894	-5.25854	-7.2293	-8.74731	-8.76257	-11.385	-13.2874	-11.8818	-10.7927	-12.7139	-16.4082	-17.0614	-15.82	-15.6312	-15.8422	-14.7734	-14.9111	
45	-2.22204	-0.88833	-0.13674	-0.86124	-2.55066	-4.59302	-6.79526	-4.85372	-1.51114	-0.42273	-2.10355	-1.99741	-2.8011	-2.00124	-2.41825	-2.37044	-3.40421	-4.52035	-4.6199	-5.15946	-7.09511	-8.11228	-8.93211	-10.3563	-11.168	-9.83011	-9.1416	-11.3353	-15.2356	-16.9266	-14.4199	-14.0542	-15.6402	-15.7325	-15.1544		
50	-2.22204	-0.80575	-0.00056	-1.1041	-3.84996	-6.17211	-6.0836	-2.39153	-0.769329	1.811047	1.33024	0.913234	1.171826	0.617461	-1.18275	-2.47713	-3.22298	-4.81721	-5.81899	-5.118	-5.57472	-8.10162	-9.68822	-9.46959	-9.27046	-10.1514	-9.59994	-8.8912	-10.2817	-12.5119	-14.5642	-13.1208	-13.6312	-16.1002	-16.2547	-15.4687	
55	-2.22204	-0.75142	0.074354	-1.35396	-4.90306	-6.13119	-3.57481	0.008492	2.625463	3.59002	3.32891	3.054328	2.510546	0.938239	-0.68077	-1.77749	-3.011	-4.30873	-4.371	-5.53821	-6.65529	-11.6822	-9.72378	-8.72878	-8.00589	-9.09219	-9.74384	-8.5548	-10.6929	-13.3857	-12.9685	-13.643	-17.5001	-16.7519	-15.8503		
60	-2.22204	-0.72654	0.088831	-1.57293	-5.1935	-4.28507	-1.09811	1.579554	3.452842	4.239966	4.11361	3.719004	3.325609	2.538974	1.252745	-0.07087	-1.10306	-2.32574	-3.87982	-4.73852	-6.11659	-9.32735	-12.0325	-10.6176	-9.22545	-11.1671	-13.1275	-10.9721	-9.11165	-9.92843	-13.685	-14.2983	-15.1927	-20.1505	-19.7611	-16.2911	
65	-2.22204	-0.73165	0.043946	-1.74674	-6.49101	-2.25	2.748566	2.488761	3.49566	3.95369	4.026826	3.75029	2.893328	1.46032	-0.03583	-1.37403	-2.32522	-3.3307	-4.00483	-6.86053	-8.45305	-10.0779	-11.3333	-11.4248	-11.424	-13.3588	-14.2928	-11.4684	-9.06095	-10.0172	-14.9284	-17.2282	-17.6365	-23.1028	-22.7726	-16.7782	
70	-2.22204	-0.76658	-0.05882	-1.88269	-3.86246	-0.70887	2.016837	3.052995	3.117705	3.199916	3.590384	3.809972	3.091404	1.549948	0.140004	-0.95505	-0.204162	-3.37625	-4.78638	-6.56929	-8.06297	-8.67749	-11.8441	-9.99335	-11.8857	-13.7111	-13.1052	-11.2051	-9.6264	-10.7236	-15.5059	-19.2745	-17.8671	-20.911	-26.5302	-17.2926	
75	-2.22204	-0.83047	-0.21715	-1.99794	-3.08928	0.296206	2.82121	3.487591	2.963707	2.610574	1.316345	3.842451	3.514757	2.435411	1.785497	1.347916	0.042872	-1.86944	-3.09011	-4.20062	-5.83925	-7.38992	-8.279	-20.31	-10.771	-11.7769	-11.5829	-11.046	-10.886	-11.5778	-14.2044	-16.2651	-14.7071	-16.7378	-27.28	-17.8093	
80	-2.22204	-0.92171	-0.42743	-2.10735	-2.51156	0.838242	2.313356	3.789902	3.185212	2.637846	3.022466	3.702167	3.354046	2.218752	1.958605	2.057521	0.711	-1.71627	-3.04646	-3.86885	-5.65682	-7.89497	-9.07369	-10.3728	-10.9105	-10.8302	-11.0392	-11.3089	-12.2621	-11.7805	-12.5778	-13.296	-11.8965	-13.7901	-23.9417	-18.2989	
85	-2.22204	-1.03792	-0.6842	-2.21801	-2.14346	0.978031	3.18206	3.799993	3.448855	3.099072	3.408964	3.981903	3.492412	1.702745	0.689703	0.988539	-0.64409	-2.16468	-6.1208	-6.27242	-7.4234	-9.75954	-10.8552	-12.0109	-11.1119	-10.8068	-11.4254	-11.7112	-12.3518	-11.1113	-11.7657	-11.8941	-10.2513	-11.9487	-21.0131	-18.731	
90	-2.22204	-1.17595	-0.97974	-2.33052	-1.9599	0.754958	2.688094	3.506709	3.3698	3.448665	4.021572	4.839948	4.738813	3.402466	0.96025	0.02684	-1.93453	-6.4794	-10.1625	-8.81189	-6.8189	-10.9312	-12.9598	-12.4545	-10.422	-10.879	-12.131	-11.8887	-11.2529	-10.3336	-11.8662	-11.8319	-9.66038	-10.5903	-10.9706		
95	-2.22204	-1.33189	-1.30358	-2.44243	-1.9284	0.20912	1.70643	2.347529	2.756696	3.315267	4.263733	5.429155	5.685575	4.392362	1.1991073	1.07771	-0.70682	-3.50834	-6.70454	-5.56101	-4.84395	-9.20998	-12.8218	-10.2139	-10.2529	-11.243	-12.8411	-11.0529	-10.4088	-10.0643	-12.3442	-12.6914	-10.0114	-10.6277	-12.8026	-19.3293	
100	-2.22204	-1.50106	-1.64201	-2.54952	-2.01385	-0.5856	0.280893	0.816524	1.61642	2.610574	3.838328	5.168873	5.830905	5.40919	4.370149	3.289488	-1.53168	-1.04607	-2.829	-3.15942	-4.24862	-7.89063	-11.5809	-11.5073	-10.8298	-12.5136	-14.1064	-12.5637	-10.3417	-10.3953	-11.939	-13.2597	-11.1994	-10.8546	-17.1943	-19.4779	
105	-2.22204	-1.67813	-1.97765	-2.64335	-2.17436	-1.49066	-1.38285	-1.0088	0.143687	1.496626	2.854854	4.151332	4.969626	4.565224	3.745521	1.751886	-1.47536	-1.78487	-3.56925	-2.3529	-2.83228	-7.47807	-11.3619	-11.5016	-12.7125	-14.8705	-15.9655	-15.2607	-12.7997	-10.7689	-11.0027	-10.218	-11.9666	-12.9254	-11.494	-19.5358	
110	-2.22204	-1.8573	-2.28946	-2.70677	-2.35743	-2.3061	-2.83515	-2.61879	-1.32112	0.176142	1.751332	3.15764	3.691584	3.321632	3.234704	3.15665	-1.52265	-1.35568	-2.77364	-3.48613	-5.99109	-9.98008	-12.0234	-10.6444	-12.2246	-15.4014	-13.6863	-11.7275	-10.9965	-11.293	-8.3499	-9.76774	-13.7478	-12.2541	-16.9233	-19.5219	
115	-2.22204	-2.03248	-2.55388	-2.71162	-2.49914	-2.85129	-3.61245	-3.52854	-2.8086	-1.0496	0.799649	2.49861	3.548695	3.179015	3.149416	3.348781	-1.834628	-1.32573	-3.80156	-6.8841	-10.0224	-10.5893	-10.6318	-11.7034	-13.5071	-11.0769	-12.1245	-10.9384	-11.7034	-13.5071	-11.0769	-12.1245	-10.9384	-11.7034	-13.5071	-11.0769	-12.1245
120	-2.22204	-2.19768	-2.74793	-2.62304	-2.52724	-3.06441	-3.72955	-3.79259	-3.18945	-2.11748	-2.08066	0.680801	3.32207	3.238236	3.270757	3.479201	2.012325	-1.20015	-3.99469	-3.75279	-6.403	-8.39076	-9.47038	-10.2843	-11.2644	-11.8423	-9.5486	-9.45565	-10.1944	-10.1723	-6.69885	-7.28217	-11.246	-12.9561	-17.3883	-19.3672	
125	-2.22204	-2.34737	-2.85397	-2.41212	-2.37765	-2.97964	-3.50644	-3.59863	-3.23457	-2.67406	-1.50164	0.592176	2.066532	1.91747	2.289491	3.68077	0.877512	-1.18834	-3.72612	-4.85764	-6.94457	-9.61785	-10.8087	-10.5009	-12.911	-11.6755	-9.20746	-9.72518	-9.91205	-9.28894	-7.09583	-7.42602	-10.0727	-12.7544	-17.422	-19.2676	
130	-2.22204	-2.47693	-2.8649	-2.07194	-1.99474	-2.65758	-3.01226	-2.58465	-2.3205	-1.9356	-0.82013	0.167016	2.029922	0.020886	-0.14978	-0.75125	-6.02541	-6.88055	-4.76455	-9.36656	-12.6004	-15.3153	-15.2805	-18.2661	-12.5861	-9.4838	-10.5131	-9.6942	-8.44782	-8.22169	-8.54506	-9.56183	-12.5255	-17.8406	-19.1769		
135	-2.22204	-2.58299	-2.87612	-1.62595	-1.40992	-1.9699	-2.37162	-2.18603	-1.71837	-1.49308	-1.15682	-0.5053																									

Raw data – ANT12 (5.6GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
0	-0.02258	-0.34852	-0.06529	-0.17022	-2.52837	-5.1679	-5.93216	-10.8888	-7.02945	-2.83902	-2.65256	-0.94463	0.030303	-2.66066	-3.2215	-0.75702	-1.50901	-3.75433	-2.43084	-2.58944	-0.60012	-7.34195	-6.61145	-7.52843	-10.449	-13.2034	-13.7502	-13.7681	-13.1474	-18.0085	-17.2125	-18.0085	-16.7279	-15.7398		
5	-0.02258	-0.2164	0.030035	-0.02763	-1.84615	-5.2182	-7.11078	-9.61037	-7.00671	-3.45322	-2.60525	-0.74025	0.007269	-1.80077	-2.72565	-0.8859	-1.47882	-3.59946	-2.83008	-2.86914	-0.60062	-9.20136	-8.26108	-8.05439	-10.1704	-13.3699	-14.9585	-13.592	-11.4285	-10.8861	-11.4324	-12.2609	-13.6037	-17.0592	-16.7288	-15.7398
10	-0.02258	-0.07745	0.157095	0.118924	-1.35155	-4.85066	-8.5501	-8.65258	-6.60995	-4.79727	-3.21011	-1.09088	-0.179	-1.15327	-1.778	-0.88824	-1.55113	-3.9465	-4.18234	-4.20889	-6.78237	-10.1096	-9.49893	-8.46375	-10.0673	-13.3028	-13.8832	-13.7619	-10.5095	-10.0216	-10.9239	-11.6295	-13.5828	-16.7545	-15.5279	-15.2936
15	-0.02258	-0.072312	0.30805	0.245174	-0.02964	-4.1169	-8.57018	-8.3426	-6.13283	-4.40363	-2.98029	-2.16226	-0.9427	-1.28271	-1.2214	-0.7754	-1.54164	-3.7599	-4.76493	-5.00373	-6.68115	-8.7454	-8.57076	-10.2747	-11.1917	-11.2417	-10.411	-10.7685	-10.6563	-11.4101	-13.8649	-16.2655	-14.4444	-14.9014	-15.2936	
20	-0.02258	0.22315	0.47734	0.339986	-0.64302	-3.34404	-8.6167	-7.84477	-6.20638	-4.08263	-2.78447	-1.72232	-0.84777	-2.0249	-0.71465	-0.69466	-4.67169	-5.19425	-6.28406	-6.44416	-8.20239	-8.49289	-7.96884	-8.8022	-9.90175	-10.086	-10.2576	-11.086	-10.2023	-11.6893	-15.5439	-15.5603	-13.5018	-14.5604	-14.9014	
25	-0.02258	0.374747	0.660568	0.401181	-0.54235	-2.67187	-6.49286	-6.49564	-3.9474	-3.9477	-6.63035	-3.46993	-1.75717	-1.55398	-2.44945	-2.85714	-3.97835	-6.12369	-6.8184	-5.93085	-6.69692	-8.81513	-7.23883	-9.63178	-10.276	-10.9024	-11.1147	-11.5615	-12.0252	-11.0599	-10.7924	-12.5808	-15.6665	-14.6661	-12.7187	-14.3083
30	-0.02258	0.521758	0.853273	0.438757	-0.66024	-2.4019	-4.885	-4.97831	-2.69152	-3.43757	-0.93309	-2.1295	-1.8573	-2.91831	-3.57994	-5.12395	-5.8794	-7.099	-8.4025	-10.6019	-11.4299	-11.4299	-11.4299	-11.4299	-11.4299	-11.4299	-11.4299	-11.4299	-11.4299	-11.4299	-11.4299	-11.4299	-11.4299	-11.4299	-11.4299	
35	-0.02258	0.662066	1.050053	0.470139	-0.98837	-2.66865	-4.16559	-3.87065	-1.88046	-1.51685	-3.31418	-1.17787	-2.72149	-2.15438	-2.51802	-2.77358	-3.21836	-4.36137	-5.62938	-7.01599	-9.27051	-11.8274	-12.2366	-11.8302	-13.1688	-16.6646	-16.159	-13.3154	-12.0548	-11.9333	-13.3619	-16.3727	-16.4698	-12.802	-11.6917	-14.0209
40	-0.02258	0.792891	1.244243	0.518695	-1.44101	-3.41916	-4.0157	-2.92521	-1.25704	-1.102	-1.98102	-2.07138	-1.51712	-1.07169	-2.08127	-2.77538	-3.74304	-5.85816	-7.47747	-9.95587	-9.92972	-10.9996	-11.4676	-12.6282	-14.1925	-13.9384	-12.5694	-13.8001	-11.9558	-17.6104	-15.3683	-12.1344	-11.4808	-14.0042	-14.0042	
45	-0.02258	0.911553	1.428095	0.605582	-1.82708	-4.22783	-3.68157	-2.62771	-0.22544	-0.37482	-1.04952	-0.43419	0.248551	-0.34892	-1.26103	-1.37494	-2.31592	-4.44736	-5.71734	-5.88246	-6.78334	-8.37877	-9.55231	-11.0032	-12.2438	-12.5391	-12.068	-11.9764	-13.5839	-16.1637	-17.5037	-16.506	-14.3661	-11.808	-11.4979	-14.0771
50	-0.02258	1.051587	1.593315	0.740022	-1.90544	-4.24558	-2.60144	-0.40647	0.240265	0.924569	0.092853	0.280555	1.379266	0.634063	-0.4626	-0.91948	-3.8269	-3.79018	-4.17849	-4.82774	-6.17489	-8.37423	-9.59203	-10.2983	-11.4242	-12.2446	-11.5654	-11.4576	-13.3442	-15.8587	-16.21	-14.985	-13.9391	-11.9189	-14.2415	
55	-0.02258	1.174391	1.731779	0.913504	-1.56707	-3.16712	-1.14987	1.292041	2.534351	2.368751	1.517995	1.578265	2.079755	1.399638	0.16129	-0.36061	-1.47232	-3.50665	-4.3411	-4.1163	-5.73537	-9.07129	-10.1616	-8.8547	-10.7732	-12.7739	-12.284	-11.2402	-11.8433	-13.7781	-14.9317	-14.5059	-13.9676	-12.5631	-12.3202	-14.4982
60	-0.02258	1.174391	1.836255	1.102288	-0.93809	-1.69473	0.083337	2.054404	3.201543	3.295706	2.688666	2.24962	2.497348	1.76536	0.795565	0.362905	-0.73511	-3.50067	-4.49904	-4.18007	-5.59446	-9.23383	-10.1843	-10.2336	-11.1072	-12.6086	-13.9387	-11.3829	-10.6977	-12.7818	-15.2378	-15.5077	-15.4424	-13.8591	-13.9173	-14.8456
65	-0.02258	1.226439	1.910014	1.276368	-0.23853	-0.41038	0.899137	2.207758	3.148802	3.536857	3.40102	3.714881	2.786342	1.710561	0.65995	0.310519	-0.5709	-2.80011	-4.87292	-5.06356	-6.18111	-9.1347	-11.2544	-11.0134	-12.3504	-15.3784	-14.7077	-11.1617	-10.2613	-13.186	-17.56	-18.4818	-18.3936	-15.9554	-14.4575	-15.2791
70	-0.02258	1.259696	1.922417	1.408896	0.376352	0.536809	1.367142	1.938919	2.549942	3.244234	3.728365	3.858543	3.343204	2.050806	0.692677	-0.10466	-1.17148	-3.22497	-5.19221	-5.95521	-7.04677	-9.22075	-11.1037	-11.4562	-12.6482	-14.1839	-12.9706	-10.2757	-10.3095	-14.3594	-21.5453	-23.8376	-21.8728	-18.8716	-16.1914	-15.7899
75	-0.02258	1.274376	1.898946	1.481718	0.841224	1.176799	1.634972	1.598155	1.852029	2.746019	3.753014	4.294071	3.95054	2.910054	1.896052	0.941711	-0.75598	-3.17979	-4.74399	-5.45708	-6.81651	-9.07583	-10.8008	-11.2053	-11.4253	-12.0843	-11.4295	-9.77522	-10.766	-14.7703	-20.6913	-22.4888	-19.7239	-21.2822	-18.5727	-16.3632
80	-0.02258	1.274376	1.831587	1.48661	1.144199	1.564886	1.798102	1.519628	1.644512	2.479956	3.653553	4.294071	4.264729	3.410022	2.58528	2.339442	-0.56505	-2.33977	-4.16555	-5.58825	-6.81651	-9.07583	-10.8008	-11.2053	-11.4253	-12.0843	-11.4295	-9.77522	-10.766	-14.7703	-20.6913	-22.4888	-19.7239	-21.2822	-18.5727	-16.3632
85	-0.02258	1.251452	1.723704	1.424127	1.294616	1.730384	1.841658	1.679734	2.058779	2.681247	3.592899	4.60262	4.423931	3.362657	2.649754	2.415406	0.803039	-2.58184	-4.29277	-4.34351	-5.59684	-8.92401	-11.0579	-11.7209	-10.8988	-11.5715	-12.9343	-12.1632	-12.1239	-12.315	-15.4789	-15.4712	-13.4626	-17.6937	-26.5294	-17.5969
90	-0.02258	1.216758	1.58096	1.302058	1.308973	1.680819	1.680471	1.827055	2.63469	3.11746	3.641597	4.520585	4.615488	3.24473	1.744883	1.114908	-0.56965	-0.80358	-5.94536	-6.47192	-7.73855	-12.0714	-13.2349	-11.1793	-11.8132	-13.754	-13.0016	-11.6726	-11.5409	-15.7728	-15.1553	-12.4357	-15.9217	-13.5072	-18.1842	
95	-0.02258	1.169183	1.411115	1.134434	1.21072	1.427178	1.244888	1.7068	2.950568	3.432695	3.626994	4.347333	4.642843	3.561082	1.527257	-0.01829	-1.98664	-5.10706	-7.38693	-7.11361	-7.64995	-11.3695	-14.871	-13.4049	-10.8022	-11.7125	-13.1138	-12.3396	-11.0658	-11.5616	-17.6749	-16.5772	-12.5495	-15.0465	-28.5397	-18.6928
100	-0.02258	1.111053	1.22366	0.940876	1.059525	1.04155	0.548789	1.247319	2.863177	3.455741	3.484257	3.93085	4.295164	3.687513	2.231283	0.874597	-0.28932	-4.58235	-5.44984	-6.58881	-11.0125	-14.247	-12.0222	-10.8432	-12.3359	-13.1515	-12.4146	-11.359	-12.3124	-19.0893	-19.3205	-13.7452	-14.9212	-24.4952	-19.0833	
105	-0.02258	1.044861	1.029251	0.745198	0.836209	0.53864	-0.27063	0.548491	2.403611	3.14913	3.235399	3.508222	3.876659	3.521083	2.885907	2.275681	0.858683	-1.32923	-2.60836	-3.41496	-5.37395	-9.97776	-12.7581	-10.6698	-10.3626	-13.9352	-14.728	-14.0712	-12.6956	-13.3305	-16.2139	-18.7601	-15.8552	-15.3662	-21.8721	-19.3347
110	-0.02258	0.973145	0.838878	0.572165	0.671555	0.175852	-0.96735	-0.18413	1.690863	2.508375	2.801554	3.240792	3.541054	3.435655	1.834748	3.091691	1.672035	-1.06249	-2.35933	-3.18747	-5.38084	-10.7032	-12.7581	-10.6698	-10.3626	-13.9352	-14.728	-14.0712	-12.6956	-13.3305	-16.2139	-18.7601	-15.8552	-15.3662	-21.8721	-19.3347
115	-0.02258	0.898366	0.66283	0.442423	0.591815	-0.06619	-1.39156	-0.71656	0.895537	1.570227	1.943657	2.998385	3.732727	3.501266	3.096617	3.156073	1.848393	-3.31172	-3.60395	-4.96783	-12.495	-13.0105	-9.34929	-8.97688	-11.4857	-12.404	-14.3817	-13.3076	-12.2326	-10.6221	-11.4286	-16.3426	-16.73	-18.8104	-19.4675	
120	-0.02258	0.822779	0.509558	0.367427	0.617239	-0.00911	-1.28554	-0.95596	0.20722	0.50377	0.566623	1.7489	2.811575	2.51005	2.664727	2.305685	0.47482	-3.10033	-4.46064	-4.85516	-8.2452	-13.3191	-10.7398	-8.8516	-9.79709	-10.4998	-11.7494	-12.2685	-12.6851	-9.7775	-7.74897	-14.029	-16.8177	-17.8365	-19.4241	
125	-0.02258	0.748533	0.384816	0.347139	0.733812	0.203344	-0.96074	-0.91055	0.24441	-0.38489	-0.89837	-0.18234	0.94762	0.777856	0.474682	0.318579	-1.53153	-4.86371	-6.01432	-6.08504	-9.03677	-13.6029	-14.2422	-11.7219	-10.5665	-10.7997	-10.8463	-11.9668	-11.7421	-12.109	-10.0495	-9.26173	-12.3885	-16.371	-17.0589	-19.3699
130	-0.02258	0.676578	0.291077	0.371883	0.946579	0.566118	-0.42235	-0.46907	0.26283	-0.83338	-1.56718	-1.34613	-0.61863	-0.98817	-1.6463	-1.21359	-3.98386	-6.95704	-7.86795	-7.49026	-9.5572	-13.9533	-16.3133	-15.6863	-14.613	-13.8103	-12.683	-13.2613	-11.107	-10.8412	-11.054	-9.81432	-11.6196	-15.7323	-16.4358	-19.2479
135	-0.02258	0.606602	0.22785	0.42703	1.097859</																															

Raw data – ANT12 (5.725GHz)

Theta/Psi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	
0	-0.90275	-0.63624	0.192785	0.675308	-0.27846	-1.17584	-1.58984	-5.92616	-6.75291	-2.9511	-3.49069	-3.34249	-1.64145	-0.63598	-2.7527	-1.64732	-0.28986	-2.84374	-2.75002	-2.75002	-4.57666	-6.12063	-5.12941	-6.47206	-9.99766	-12.4057	-11.9332	-12.4625	-12.4776	-12.011	-11.8443	-11.8899	-12.476	-15.5221	-18.8042	-16.9898	
5	-0.90275	-0.61587	0.085361	0.709664	0.156122	-1.16993	-2.04274	-4.42138	-7.41086	-4.15213	-2.99113	-2.02896	-0.81249	-1.82206	-2.29494	-1.89368	-1.78794	-3.9678	-2.87973	-2.56786	-5.09801	-6.6889	-5.96098	-6.52946	-9.92273	-12.1419	-12.7748	-12.6259	-11.7912	-11.4721	-11.2213	-11.46	-12.7482	-16.503	-18.7546	-16.6715	
10	-0.90275	-0.57969	-0.00589	0.725232	0.627564	-0.83906	-2.38019	-3.17593	-5.43073	-5.86903	-2.87548	-1.24833	-0.18249	-1.96025	-2.52588	-1.80634	-4.10175	-1.75433	-3.40495	-5.0024	-7.81064	-6.12063	-4.75433	-7.84662	-9.95956	-12.2691	-12.525	-10.8421	-10.232	-10.618	-10.437	-10.9986	-13.209	-17.8493	-18.4049	-16.3478	
15	-0.90275	-0.52601	-0.06103	0.73105	0.170286	-0.30471	-2.76035	-2.73077	-3.75654	-7.77547	-3.37904	-0.24574	-0.46374	-2.40854	-2.98841	-2.34021	-2.82367	-3.79914	-3.87132	-4.34121	-5.9995	-7.27044	-7.04181	-7.13768	-8.84036	-10.9217	-10.5035	-9.14474	-9.29643	-10.0987	-9.87754	-10.8056	-14.017	-19.4456	-17.7517	-16.0315	
20	-0.90275	-0.45413	-0.05912	0.736623	1.425197	0.275462	-3.16258	-3.17415	-2.50543	-7.45892	-4.76384	0.60711	1.135572	-1.28082	-1.64135	-1.92789	-3.96966	-3.34448	-4.00213	-6.05971	-7.15819	-6.31297	-6.06192	-7.2716	-8.64242	-8.84262	-8.63162	-9.43535	-10.0246	-9.65532	-11.042	-15.3211	-20.6245	-16.8783	-15.7359		
25	-0.90275	-0.36475	0.014475	0.746989	1.625245	0.765107	-3.29792	-4.44249	-1.74096	-4.82542	-7.2676	0.353825	1.933933	-0.1543	-0.32366	-1.646	-2.87444	-4.67073	-4.17373	-4.74178	-7.99385	-7.44677	-7.21211	-8.044	-8.57365	-8.65621	-9.17443	-10.2913	-10.2169	-9.83036	-11.7895	-17.1278	-20.1612	-15.9333	-15.473		
30	-0.90275	-0.26009	0.162204	0.763814	1.629847	1.060332	-2.87306	-5.99768	-1.55215	-2.62644	-8.58793	-1.23541	1.464904	0.152986	-2.23977	-1.81773	-2.55771	-5.87684	-6.74819	-6.1047	-7.94998	-10.0622	-9.65523	-9.87638	-11.3491	-11.2094	-10.1301	-10.1721	-10.9269	-10.5229	-10.4934	-13.0641	-18.8167	-18.2475	-15.0044	-15.2538	
35	-0.90275	-0.14382	0.373044	0.78992	1.420535	1.087133	-2.02422	-6.00379	-1.72987	-1.37202	-5.54758	-2.98534	0.294713	0.151744	-1.22549	-1.17082	-1.76945	-3.47406	-6.21496	-6.80872	-9.25321	-12.3247	-11.0369	-10.6033	-12.9401	-15.0047	-12.5223	-10.8623	-10.9398	-11.0553	-11.7221	-14.6798	-18.782	-16.1682	-14.2982	-15.0874	
40	-0.90275	-0.02073	0.625849	0.832688	1.015321	0.805504	-1.16521	-3.89525	-1.58736	-0.66117	-2.51556	-2.5877	-0.63887	-0.11922	-0.26992	-0.14635	-1.17461	-3.80438	-5.21909	-5.31185	-7.13875	-10.8241	-11.1336	-10.6340	-11.2692	-13.889	-13.2119	-11.0054	-10.982	-12.0132	-13.4027	-15.9516	-17.0711	-14.5192	-13.7506	-14.9809	
45	-0.90275	0.103724	0.89513	0.90282	0.486099	0.228307	-0.5929	-1.63627	-0.63449	0.044717	-0.56057	-0.80886	-0.51258	-0.67381	-0.63103	-0.33335	-1.49235	-4.36723	-5.92074	-5.35186	-6.33441	-9.45756	-11.366	-11.1311	-11.2639	-12.5204	-12.3409	-10.9073	-11.2582	-13.1191	-14.8861	-16.0808	-15.364	-13.4146	-13.4357	-14.939	
50	-0.90275	0.22394	1.156333	1.008326	-0.02869	-0.53906	-0.37532	-0.07084	0.606934	0.984008	0.82449	-0.687987	0.698196	-0.33311	-1.3095	-1.3095	-1.3095	-2.25636	-4.30484	-5.88928	-5.98985	-7.09528	-7.74427	-11.5346	-11.7646	-11.939	-12.9573	-12.208	-10.8119	-11.207	-13.524	-15.3357	-15.5334	-14.3649	-12.8477	-13.3789	-14.9637
55	-0.90275	0.334628	1.389039	1.147537	-0.35157	-1.25455	-0.42184	0.802705	1.690755	1.952569	1.954409	2.158993	2.077823	1.182861	0.02416	-0.93448	-0.2094	-3.54463	-4.42507	-5.17593	-7.44609	-10.4657	-11.2134	-10.601	-11.3343	-13.7355	-13.1425	-10.889	-10.7264	-13.2654	-15.2695	-15.3501	-14.18	-12.7958	-13.6031	-15.0539	
60	-0.90275	0.431175	1.578125	1.306236	-0.36193	-1.59014	-0.54232	1.160623	2.252654	2.675163	2.84885	3.039734	2.871261	1.180674	1.473037	0.664737	-0.99005	-3.16006	-3.92123	-4.58406	-7.28881	-10.9447	-11.3587	-10.2832	-11.4032	-14.6969	-14.7732	-11.2046	-10.5004	-13.5092	-15.896	-16.0966	-14.7657	-13.2328	-14.1334	-15.2048	
65	-0.90275	0.509873	1.713642	1.461022	-0.08381	-1.37134	-0.52392	1.20421	2.375329	3.020034	3.447632	3.642749	3.186586	2.196764	1.613333	1.210402	-0.28791	-2.92211	-4.6614	-5.45985	-7.71098	-10.8789	-11.7819	-11.568	-13.5588	-16.2115	-15.2177	-11.3275	-10.9444	-15.1147	-18.052	-17.9943	-15.887	-14.1054	-15.0005	-15.4071	
70	-0.90275	0.568032	1.79015	1.586234	0.350895	-0.7329	-0.23664	1.115053	2.159221	2.943663	3.668308	4.088879	3.66304	2.443783	1.457031	1.020966	-0.18505	-2.63688	-4.80077	-7.38687	-10.1252	-11.5062	-12.5782	-14.137	-14.2247	-12.8136	-10.7554	-11.8801	-18.2973	-22.7597	-20.5304	-16.7608	-15.2651	-16.239	-15.6465		
75	-0.90275	0.604002	1.805967	1.660094	0.807055	0.064566	-0.297458	1.10889	1.767693	2.514191	3.480397	4.27338	4.276952	3.481339	2.60109	1.959713	0.212152	-1.8022	-3.52274	-4.737	-6.77943	-9.35287	-10.5874	-11.3761	-11.0689	-11.2077	-10.7006	-10.0681	-12.7386	-19.8937	-29.5792	-20.5915	-16.4696	-16.3574	-17.8699	-15.9034	
80	-0.90275	0.617111	1.762539	1.669949	1.198077	0.820653	0.935101	1.210264	1.459728	2.072293	3.198302	4.178734	4.147822	3.812784	2.617031	1.763788	-1.08586	-2.59774	-3.265	-5.5072	-8.82517	-9.85216	-10.3381	-9.53293	-10.2845	-10.2848	-10.1142	-13.0727	-16.6792	-24.0159	-17.9694	-16.606	-16.8883	-19.8147	-16.1542		
85	-0.90275	0.607571	1.663955	1.607149	1.480068	1.443245	1.492101	1.394222	1.437151	2.061808	3.371629	4.796745	5.1263	4.195827	3.688786	3.687129	1.989892	-1.54559	-3.2381	-3.06281	-4.97732	-9.04866	-10.4593	-10.9939	-9.76498	-11.0926	-11.3853	-11.0594	-12.8066	-13.7725	-20.2018	-15.9416	-13.2988	-16.6164	-21.5997	-16.3725	
90	-0.90275	0.576347	1.516607	1.473043	1.632235	1.85157	1.83871	1.50383	1.61949	2.398806	3.700705	5.991702	6.040328	4.506067	2.79411	2.559409	0.782651	-3.17229	-5.37311	-4.17252	-5.31852	-10.5776	-13.1509	-13.0511	-10.3454	-12.0825	-12.8513	-12.1679	-12.0394	-12.1135	-19.3357	-15.2438	-12.6182	-15.9727	-22.0836	-16.5382	
95	-0.90275	0.525019	1.328065	1.27239	1.646334	2.021838	1.910611	1.409176	1.734396	2.64015	4.052073	5.979127	6.673682	5.678519	3.41309	2.50506	-0.28969	-6.63744	-6.94309	-12.4953	-14.9309	-12.4543	-13.7904	-11.8529	-12.9476	-12.3519	-11.2759	-11.4814	-20.6477	-15.9185	-12.7242	-15.3303	-20.8409	-16.6338			
100	-0.90275	0.455626	1.110958	1.016938	1.525914	1.954819	1.718604	1.246771	1.844365	2.645159	3.691581	5.463242	6.389913	5.421315	3.241038	1.758255	0.227803	-2.35509	-4.7039	-4.60791	-6.41051	-12.7746	-16.8579	-11.7847	-8.872	-11.6711	-12.6063	-12.2912	-11.2204	-11.7718	-23.5455	-17.6409	-13.5459	-14.8108	-18.954	-16.6576	
105	-0.90275	0.370326	0.874125	0.724603	1.290207	1.683387	1.33067	0.996313	1.849489	2.541215	3.099983	4.83701	5.21115	3.67029	3.34089	2.434099	0.168612	-1.11201	-3.93399	-3.34842	-5.46395	-12.7256	-16.4959	-10.1844	-8.4724	-12.8284	-13.3977	-13.2246	-12.1809	-12.7137	-20.2279	-17.8065	-14.6744	-14.3474	-17.1982	-16.6203	
110	-0.90275	0.272252	0.630283	0.419797	0.977454	1.271744	0.843377	0.786554	1.840566	2.414583	2.67767	3.52488	4.122395	3.876135	2.883641	2.638484	1.340271	-1.15081	-2.54418	-2.96453	-4.48957	-14.0655	-15.3844	-9.52169	-8.29649	-13.7024	-14.1065	-14.4822	-13.426	-13.3401	-14.8857	-14.6896	-15.0031	-13.8323	-15.7593	-16.5429	
115	-0.90275	0.163388	0.39081	0.131435	0.643363	0.880923	0.348725	0.348725	1.794389	2.218259	2.315909	3.19104	3.766583	3.208326	2.373218	2.309523	0.815117	-1.13084	-2.35521	-3.1129	-6.6851	-16.6567	-16.3584	-9.5044	-7.99462	-11.7518	-12.3961	-12.8486	-11.6362	-11.6824	-14.0503	-13.2328	-14.6306	-16.452			
120	-0.90275	0.046467	0.165335	-0.11196	0.351255	0.399636	-0.08883	0.398884	1.647746	1.93647	1.717083	2.517509	3.293948	2.956109	1.787748	1.553426	-0.23173	-5.133	-4.89028	-4.62529	-9.17459	-19.1781	-17.7709	-10.3177	-0.80804	-10.5175	-11.4735	-12.4914	-12.358	-12.1233	-10.0418	-9.86344	-12.6685	-12.6156	-13.7719	-16.3749	
125	-0.90275	-0.071397	-0.03947	-0.2892	0.15408	0.128945	-0.41723	0.102295	1.309623	1.575664	1.059778	1.310963	2.025755	1.471354	1.029933	0.059566	-0.20074	-0.2635	-6.16128	-6.0144	-20.0195	-19.9256	-12.5039	-9.7139	-12.3292	-12.6046	-11.9377	-11.8338	-9.67211	-9.14669	-11.6518	-12.0818	-13.1467	-16.3368			
130	-0.90275	-0.20205	-0.22071	-0.39235	0.076418	0.043591	-0.5818	-0.32157	0.704967	0.996565	0.602645	0.48564	0.786838	1.079532	0.74671	-1.60739	-0.05192	-7.39562	-8.2317	-7.73322	-10.8025	-17.6071	-19.9918	-15.7383	-13.0153	-15.4782	-14.4355	-13.1876	-11.5841	-11.433	-10.0294	-9.34984	-11.2599	-11.7007	-12.7292	-16.3591	
135	-0.90275</																																				

Raw data – ANT12 (5.785GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
0	-0.00208	-0.00395	1.092281	2.088049	1.088998	-0.04872	-0.08346	-3.54372	-0.52553	-3.94545	-6.05306	-8.00285	-3.69906	-4.62238	-2.77225	-4.66754	-2.80187	-5.19363	-2.74186	-2.66568	-5.13451	-5.19015	-4.56024	-3.51634	-10.516	-12.105	-14.023	-10.766	-11.6472	-12.6008	-13.1228	-11.2833	-15.2239	-21.8011	-17.9433	
5	-0.00208	-0.27269	0.92816	2.146591	1.416615	-0.31747	-0.60117	-2.7148	-3.83298	-5.27232	-4.87506	-4.99488	-2.03806	-2.84766	-3.18892	-1.07007	-2.14735	-4.66754	-2.70674	-2.14102	-4.50765	-5.98321	-5.00984	-5.81087	-8.66681	-11.0389	-11.0363	-11.3103	-11.809	-12.8337	-12.5396	-11.4936	-11.8303	-16.2474	-21.9346	-17.6296
10	-0.00208	-0.82728	0.722893	2.148071	1.771088	-0.25485	-0.9508	-1.44852	-5.9638	-7.1119	-4.05193	-3.85026	-3.85026	-3.48748	-3.48748	-2.35413	-4.50765	-2.75864	-2.75864	-2.75864	-7.03017	-7.03017	-7.03017	-7.03017	-7.03017	-7.03017	-7.03017	-7.03017	-7.03017	-7.03017	-7.03017	-7.03017	-7.03017	-7.03017	-7.03017	
15	-0.00208	-0.92216	0.483696	2.072659	2.066807	0.038687	-1.24504	-0.76393	-3.75076	-7.99189	-3.78887	-2.58332	-3.92674	-4.60664	-3.4108	-3.25977	-2.85716	-3.70155	-4.09065	-3.75254	-4.84703	-6.83345	-7.25212	-6.93997	-8.06669	-10.012	-9.45253	-8.04298	-8.64302	-10.6851	-10.981	-11.4724	-13.8888	-19.8999	-20.88	-19.9698
20	-0.00208	-1.3138	0.22337	1.904197	2.222291	0.347818	-1.7179	-0.65395	-2.0201	-10.49	-4.78884	-4.66028	-2.09387	-4.60664	-5.2459	-3.78538	-3.78538	-3.78538	-3.78538	-3.78538	-3.78538	-3.78538	-3.78538	-3.78538	-3.78538	-3.78538	-3.78538	-3.78538	-3.78538	-3.78538	-3.78538	-3.78538	-3.78538	-3.78538	-3.78538	
25	-0.00208	-1.08919	-0.03945	1.633444	2.178539	0.504813	-2.54979	-1.33505	-1.21428	-8.24207	-4.57647	-0.07340	0.304847	-1.53455	-5.33413	-4.04864	-5.02278	-5.88223	-4.82933	-5.14921	-1.71699	-8.92232	-8.45516	-7.39338	-7.28692	-7.94789	-8.55811	-8.7886	-9.71009	-10.595	-10.6879	-12.606	-17.2467	-26.9896	-18.6646	-16.4393
30	-0.00208	-1.14771	-0.28233	1.263508	1.905359	0.447514	-3.64384	-3.05348	-1.28852	-6.65406	-0.10281	0.896238	-3.15295	-4.90679	-3.80735	-5.1512	-7.98223	-7.54252	-8.00383	-12.1632	-11.0371	-11.0593	-11.11	-10.7243	-10.2312	-10.3808	-11.0455	-10.973	-11.1358	-13.8548	-20.4251	-26.9162	-17.5665	-16.215		
35	-0.00208	-1.18555	-0.48214	0.81581	1.4035	0.197879	-4.32589	-5.65965	-2.20336	-4.66712	-7.09935	-1.37377	0.29185	-0.53729	-1.63421	-7.19196	-3.14744	-4.20715	-7.67487	-9.15345	-12.7795	-14.9634	-12.8739	-12.8225	-14.0423	-14.9917	-12.4123	-11.3121	-11.6856	-11.554	-12.044	-15.4255	-23.9253	-22.7183	-16.6116	-16.0376
40	-0.00208	-1.20123	-0.61895	0.350572	0.710726	-0.17731	-3.76791	-6.20769	-8.2696	-3.23809	-3.95938	-1.39478	0.060701	1.188159	0.354784	0.31907	-1.35052	-4.47757	-5.54073	-5.99661	-6.66553	-12.4061	-11.8578	-11.5026	-12.1852	-13.6196	-12.8494	-11.5344	-12.1065	-12.6261	-13.4206	-16.8258	-23.3038	-19.3894	-15.8426	-15.9125
45	-0.00208	-1.19527	-0.68405	-0.11156	-0.08462	-0.59965	-2.37262	-3.09322	-1.40067	-1.16835	-1.06659	0.106643	0.784144	0.622607	0.857025	0.905474	-0.89529	-4.08955	-5.02504	-4.76214	-6.64862	-10.3639	-12.0046	-12.0582	-11.5541	-12.3445	-12.3289	-11.5599	-12.3798	-13.7593	-14.8322	-17.2731	-20.0927	-17.1443	-15.2804	-15.843
50	-0.00208	-1.17004	-0.67694	-0.4485	-0.83222	-0.99597	-1.04811	-0.21366	0.967958	1.113182	1.029711	0.618178	1.875484	1.085256	0.357129	-0.01922	-1.51692	-4.14473	-5.70083	-5.99635	-5.99635	-5.99635	-5.99635	-5.99635	-5.99635	-5.99635	-5.99635	-5.99635	-5.99635	-5.99635	-5.99635	-5.99635	-5.99635	-5.99635	-5.99635	
55	-0.00208	-1.12996	-0.61105	-0.62043	-1.34616	-1.30041	-1.16639	1.538529	2.7325	2.869753	2.607411	2.820898	2.927742	2.210518	0.788205	-0.39866	-1.80218	-3.45106	-4.42914	-5.42999	-7.96281	-10.9827	-12.6187	-12.6637	-13.505	-15.4791	-13.329	-10.4357	-9.87771	-12.2548	-14.9158	-16.1865	-16.5722	-14.8352	-14.8157	-15.871
60	-0.00208	-1.07801	-0.50698	-0.6196	-1.49957	-1.45626	0.258852	2.35668	3.613365	3.859288	3.626391	3.566975	3.440408	2.808641	1.89379	0.740649	-0.98001	-2.65106	-4.50882	-5.80864	-11.4864	-11.9603	-11.7243	-13.5813	-17.1325	-14.7761	-10.2308	-9.23037	-11.8947	-14.8447	-16.1883	-16.1846	-14.469	-14.9217	-15.9609	
65	-0.00208	-1.02107	-0.3879	-0.48751	-1.31314	-1.42063	0.360075	2.506594	3.768512	4.207603	4.219706	4.068647	3.51958	2.640649	2.049621	1.398003	-0.28014	-2.66948	-3.81852	-5.06099	-8.07053	-11.2663	-11.9704	-12.6278	-15.9655	-19.1178	-15.5974	-10.5541	-9.85684	-13.163	-15.8636	-17.0162	-16.3858	-14.5025	-15.2499	-16.0902
70	-0.00208	-0.96344	-0.27509	-0.28973	-0.91814	-1.16456	0.368681	2.300171	3.474596	4.126785	4.50506	4.563481	3.94312	2.773343	1.975118	1.52003	0.098696	-2.48557	-4.68911	-6.15508	-8.10369	-10.2876	-11.8676	-14.7209	-17.9717	-13.6487	-10.5601	-11.3661	-16.3077	-18.193	-18.5823	-16.811	-14.8469	-15.7819	-16.2452	
75	-0.00208	-0.90937	-0.1853	-0.08773	-0.45005	-0.68512	0.554408	2.104871	3.047315	3.761261	4.39778	4.785788	4.556943	3.757738	3.026098	2.383255	0.893697	-1.46802	-3.37599	-4.75624	-6.69411	-8.70386	-10.3353	-13.2065	-12.8325	-12.5899	-11.239	-9.81584	-12.4253	-19.1558	-20.846	-19.923	-16.9456	-15.3899	-16.4608	-16.408
80	-0.00208	-0.86228	-0.12985	0.074826	0.002732	-0.03824	1.036992	1.75314	2.742702	3.266864	3.9673	4.671214	4.713749	4.256366	3.926562	3.458466	1.678449	-1.05687	-2.84997	-3.11571	-5.08609	-7.60845	-10.02116	-10.9914	-10.1873	-11.0876	-10.2647	-9.27575	-12.3155	-16.6325	-20.1941	-19.307	-16.5217	-15.9822	-17.1903	-16.5579
85	-0.00208	-0.82459	-0.11477	0.172553	0.389955	0.654955	1.676441	2.450936	2.618952	2.869504	3.673228	4.673689	4.866649	4.045359	3.637321	3.501507	1.586755	-1.93842	-3.34241	-2.89238	-4.4173	-7.7768	-10.9445	-11.0723	-9.88738	-11.6744	-10.8692	-9.76581	-12.169	-13.686	-17.681	-17.7364	-15.8706	-16.4485	-17.7446	-16.6738
90	-0.00208	-0.79775	-0.1416	0.193538	0.678621	1.25552	2.22885	2.686137	2.542541	2.630015	3.176188	4.273699	5.670914	4.223693	2.709016	2.496066	0.627165	-3.42108	-3.32477	-3.79104	-10.9493	-11.9335	-12.998	-10.2638	-12.6997	-12.2524	-11.1692	-12.3407	-12.0158	-16.2696	-16.8336	-15.4924	-16.6278	-17.8724	-16.7381	
95	-0.00208	-0.78227	-0.20819	0.134943	0.843802	1.659875	2.532898	2.718536	2.397703	2.401307	3.661335	5.676183	6.945929	5.007574	2.949606	1.421547	-0.30478	-3.67508	-5.99226	-4.55417	-5.46715	-10.6681	-15.3993	-15.832	-9.56753	-12.0332	-12.4341	-12.1138	-11.4325	-16.6061	-17.2983	-15.6418	-16.4231	-17.4458	-16.7412	
100	-0.00208	-0.77792	-0.30948	0.000936	0.870948	1.819993	2.543735	2.547534	2.229318	1.149988	3.179207	5.262085	6.348163	5.128357	2.491461	0.913757	-1.94741	-5.76699	-4.16003	-5.76699	-11.4961	-16.3063	-16.9539	-8.44382	-11.2403	-11.7096	-11.9161	-12.3582	-11.9131	-19.2665	-19.2186	-16.2179	-15.8317	-16.5912	-16.6842	
105	-0.00208	-0.78376	-0.43822	-0.1974	0.762445	1.739556	2.294457	2.270227	2.163456	2.016639	2.461707	4.000703	5.200957	4.556253	3.013426	1.981491	0.534008	-1.72548	-3.33468	-3.33417	-5.77832	-12.0319	-15.4157	-10.3888	-7.99562	-11.8607	-11.8613	-11.9302	-12.9859	-13.7027	-22.6724	-20.2944	-16.5921	-14.9505	-15.5579	-16.5789
110	-0.00208	-0.79837	-0.58575	-0.44151	0.542343	1.465572	1.797117	2.227348	2.066128	1.95708	2.961385	3.816775	3.30366	2.583994	2.2373	0.908503	-1.74331	-3.00076	-2.95709	-4.77632	-13.4102	-15.5165	-10.97471	-8.00387	-12.5339	-12.457	-12.2128	-13.2691	-13.6019	-17.7285	-17.0739	-15.9319	-13.943	-14.5479	-16.4451	
115	-0.00208	-0.81984	-0.74726	-0.70995	0.258264	1.082201	1.328572	1.687566	2.357115	2.206263	1.705415	2.144887	3.157819	2.491466	1.087584	2.564664	0.649694	-2.58194	-3.49953	-3.39787	-7.25056	-15.9315	-16.8599	-10.3705	-7.85167	-11.0948	-12.0549	-11.8794	-12.1224	-12.299	-13.4215	-13.7119	-14.4741	-12.9755	-13.6628	-16.307
120	-0.00208	-0.84641	-0.9008	-0.9614	-0.02603	0.700755	0.801854	1.33478	2.337143	1.467249	1.551446	1.755561	2.554129	1.954727	1.551495	1.489848	-2.56212	-3.88207	-4.69578	-4.67276	-8.85336	-17.3726	-18.349	-11.2363	-7.9733	-9.6759	-11.4012	-11.4012	-11.7297	-13.094	-12.1684	-12.9402	-16.1881	-16.1881		
125	-0.00208	-0.85753	-1.05225	-1.18064	-0.24637	0.383388	0.382272	0.854303	2.007318	2.220483	1.325803	0.874543	1.383912	0.995307	0.555672	0.282599	-1.91369	-4.89047	-6.49917	-10.1407	-16.6498	-18.5467	-13.0365	-10.2596	-12.1126	-11.9438	-10.8656	-10.9669	-10.8909	-10.9167	-12.2288	-11.5848	-12.4208	-16.11		
130	-0.00208	-0.9049	-1.19202	-1.34566	-0.36044	0.353392	0.161129	0.252326	1.214813	1.63225	1.197078	0.636537	0.604555	0.112804	-0.53842	-1.19452	-3.57703	-7.20025	-8.79818	-8.48618	-10.4597	-16.6322	-17.5721	-16.5593	-12.9108	-13.2155	-14.214	-13.193	-11.2418	-11.1572	-11.05	-10.9433	-11.9515	-11.2412	-12.9277	-16.0906
135	-0.00208	-0.93214	-1.31726	-1.45255	-0.36302	0.600996	0.18279	-0.35262	0.03773	0																										

Raw data – ANT12 (5.85GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
0	-1.95337	-3.50837	-2.62688	-2.56841	-2.28841	-1.89199	-0.40559	-7.55516	-4.07206	-2.90458	-5.80945	-3.10437	-1.0827	-2.0003	-2.88685	-2.43061	-3.38116	-3.94623	-2.58188	-1.86488	-3.31996	-5.33901	-6.01771	-7.93871	-9.74882	-9.81682	-11.5659	-8.30475	-8.62847	-9.22294	-9.84475	-10.0935	-13.6369	-10.6499	-11.2539	-12.6418
5	-1.95337	-3.67433	-3.72395	-2.85321	-3.3371	-2.78862	-4.17103	-8.00027	-7.61299	-5.80708	-9.06318	-3.5227	-0.326	-0.81145	-1.45173	-1.00376	-3.06353	-2.71931	-1.62627	-2.95974	-4.77068	-5.8201	-7.15154	-8.54428	-11.1323	-13.2856	-10.3384	-6.57786	-9.39488	-9.39488	-10.0935	-13.6369	-11.4009	-12.0483	-12.7755	
10	-1.95337	-3.84213	-2.78544	-3.04489	-4.40558	-3.14744	-3.25151	-6.08859	-10.8347	-9.18981	-11.7702	-4.76264	-0.72294	-0.589	-1.0557	-0.55561	-1.3198	-2.47499	-2.60332	-3.4326	-5.136	-6.57566	-7.23196	-8.65527	-12.984	-11.6364	-6.57786	-9.16339	-13.1294	-13.0958	-12.2994	-12.9264	-12.9264	-13.4845		
15	-1.95337	-4.01673	-2.80121	-2.97848	-4.86999	-2.85146	-1.94962	-3.70723	-7.49728	-7.80474	-10.8421	-0.6631	0.306	-0.04321	-0.3819	-0.07304	-2.36554	-2.29937	-3.87965	-5.05469	-5.7869	-6.78074	-7.9874	-11.3991	-5.7869	-9.12074	-6.11543	-9.75185	-10.3658	-12.5704	-11.4306	-13.842	-13.842	-13.842		
20	-1.95337	-4.20382	-2.80946	-2.61883	-4.4378	-4.45323	-1.08715	-2.02581	-5.43993	-8.24432	-5.2362	-2.81352	-1.42952	-1.22283	-0.92307	-0.16208	-0.48785	-2.33282	-3.95149	-4.1426	-4.30759	-4.43784	-4.4338	-4.4049	-9.92909	-7.45682	-6.95688	-16.2559	-8.12889	-7.22282	-11.2552	-9.40365	-12.4139	-13.8947	-14.6956	-12.7925
25	-1.95337	-4.40885	-2.85256	-2.0953	-3.51422	-5.21087	-1.07999	-1.63649	-4.02669	-5.43671	-2.9511	-1.44319	-1.25027	-1.62115	-1.94103	-0.10833	-3.11765	-3.93834	-3.70303	-4.96173	-8.84349	-8.84149	-4.55705	-7.55039	-5.5867	-7.47503	-10.5142	-11.4661	-8.32127	-12.6936	-14.4066	-15.3181	-12.6936	-12.6936		
30	-1.95337	-4.63559	-2.98136	-1.59207	-2.53654	-3.13793	-1.95364	-2.19644	-4.23732	-4.12164	-1.07418	-0.68926	1.16826	-0.75664	-0.47812	-1.99862	-3.01716	-3.28148	-3.09171	-3.35544	-4.57213	-5.78977	-7.88897	-9.88613	-7.31706	-10.5452	-10.299	-7.28843	-16.2884	-9.06115	-7.85001	-13.2118	-14.4455	-15.5156	-12.4878	
35	-1.95337	-4.88434	-3.25067	-2.15154	-1.6517	-3.77136	-2.95706	-2.21919	-4.14345	-4.5876	-1.08119	-1.45329	-2.63834	-2.58139	-0.91073	-1.92359	-2.52679	-3.06477	-3.86924	-4.9407	-7.9675	-9.96371	-7.29295	-12.5594	-7.95958	-8.39734	-14.8697	-7.15089	-8.34891	-13.482	-14.165	-15.1996	-12.9204	-12.9204		
40	-1.95337	-5.14966	-3.71846	-1.16043	-0.89248	-3.36439	-2.76115	-0.59187	-1.20277	-2.47651	-1.349	-0.90094	-2.50922	-2.67074	-1.55305	-0.03098	-1.20123	-1.5761	-3.79292	-4.28242	-5.06719	-6.32752	-8.55182	-9.52005	-8.92407	-10.585	-12.3192	-8.72837	-11.5971	-10.8011	-7.01349	-10.2176	-12.828	-13.7057	-14.4693	-12.0678
45	-1.95337	-5.4177	-4.45063	-1.37357	-0.32608	-2.00955	-1.81031	-0.010294	-1.297677	-0.654353	-0.491631	-1.646558	-2.704385	-1.26594	-2.573062	-1.643502	-0.28643	-1.89683	-3.57653	-5.7533	-7.2841	-8.66013	-10.5925	-12.0251	-12.0653	-11.9233	-12.5641	-14.2007	-9.48302	-0.09352	-13.3679	-11.6502	-13.491	-13.525	-11.8752	
50	-1.95337	-5.6635	-5.53356	-1.93624	-0.06591	-0.71535	-1.33391	-0.697182	-1.78828	-1.792002	-1.729859	-2.26264	-3.207677	-3.811228	-3.697787	-3.069765	-1.219866	-1.117828	-0.42103	-2.24558	-3.75035	-5.58341	-5.65399	-8.06396	-9.90691	-9.52629	-11.8705	-14.9087	-12.0765	-10.5383	-13.82	-13.7009	-10.7106	-13.4271	-12.5434	-11.7263
55	-1.95337	-5.84987	-7.10113	-2.89167	-0.2271	-0.046728	-1.27703	-0.87615	-0.475389	-1.092686	-1.331138	-1.766163	-2.407529	-2.051743	-1.426095	-1.072197	-0.27093	-1.39496	-2.3404	-3.38508	-5.34799	-7.18095	-8.36369	-11.6069	-11.8115	-11.752	-13.3751	-14.0017	-10.7344	-10.637	-13.4818	-11.6402	-11.6402	-11.6402	-11.6402	
60	-1.95337	-5.93042	-9.3977	-4.27262	-0.89324	-0.242507	-0.68088	-1.49784	-0.53396	-0.543762	-1.157093	-1.643279	-2.084213	-2.20574	-1.892964	-1.475452	-1.190542	-0.668813	-0.43075	-1.95976	-3.57452	-4.97006	-6.57755	-5.79031	-7.13357	-9.93366	-10.2103	-10.2959	-13.6459	-12.8592	-9.8597	-9.3295	-11.6952	-13.4047	-10.8883	-11.6443
65	-1.95337	-5.85945	-12.9442	-5.99587	-2.07953	-0.06024	-0.594407	-0.8056	-1.229732	-1.791871	-2.308715	-2.735684	-3.059559	-3.138466	-2.843798	-1.766734	-0.42792	-1.87197	-3.09095	-3.501	-3.52259	-4.77342	-7.8977	-9.00313	-8.29273	-10.302	-12.7214	-10.0193	-8.84744	-10.3901	-13.9355	-12.475	-10.3421	-11.7491	-11.7491	
70	-1.95337	-5.60756	-18.6808	-7.57885	-3.59703	-0.79147	-1.609347	-2.892744	-3.08041	-2.841655	-2.723407	-2.627367	-2.358505	-1.887618	-1.235959	-0.415289	-0.40933	-0.94264	-1.3674	-2.19955	-3.37074	-4.26559	-5.10324	-6.65453	-7.45409	-7.11451	-8.68368	-11.7465	-10.6474	-9.61046	-11.3156	-14.7731	-14.7285	-11.0714	-10.0519	-11.9746
75	-1.95337	-5.1748	-18.9719	-7.89146	-4.72725	-1.77229	-1.831308	-3.661298	-3.688473	-2.730602	-1.645067	-0.59821	-0.406	-1.0837	-1.3123	-1.70036	-0.0338	-0.25436	-3.32627	-4.68084	-6.31411	-7.33439	-8.10738	-8.95232	-11.7982	-12.0875	-10.7037	-11.5995	-17.5683	-11.8358	-9.81455	-10.0729	-12.3387	-12.3387		
80	-1.95337	-4.99177	-12.5818	-6.59164	-4.48166	-2.45329	-1.36037	-3.385641	-3.409623	-2.205099	-0.66317	-0.69332	-1.05893	-0.40103	-0.246725	-0.129493	-0.07492	-0.81998	-1.96706	-3.00737	-3.83254	-4.28279	-4.36784	-5.16378	-7.7927	-10.3983	-8.53753	-9.17188	-11.7367	-11.8402	-12.5057	-11.0892	-9.19101	-10.1029	-10.472	-12.86
85	-1.95337	-3.9076	-8.38664	-4.71499	-3.15223	-2.13466	-0.841107	-2.716417	-2.925349	-2.228402	-1.599525	-1.313231	-1.264304	-1.377882	-1.450138	-0.683233	-0.49463	-1.72922	-3.83335	-3.92593	-5.08675	-6.09468	-6.9148	-6.09258	-8.49395	-11.7303	-9.35181	-8.45563	-8.26495	-8.0524	-9.91429	-11.3387	-13.5294	-13.5294		
90	-1.95337	-3.1743	-5.49643	-3.00365	-1.75477	-1.04282	-1.060368	-2.426135	-2.540657	-2.23669	-2.393735	-2.626413	-2.302582	-1.08475	-0.906329	-0.404643	-0.75836	-2.64526	-4.39554	-5.7736	-7.35059	-7.57159	-6.61819	-7.16576	-8.27416	-7.7966	-8.10908	-10.8223	-11.4988	-9.107	-8.22046	-8.27129	-10.4654	-10.0148	-12.8045	-14.4601
95	-1.95337	-2.43596	-3.35608	-1.64105	-0.75994	-0.0162	-1.866792	-2.710834	-2.151058	-1.628037	-2.194979	-2.633101	-1.957273	-1.06475	-0.419635	-0.14365	-3.38385	-5.9238	-7.74704	-8.62296	-10.3225	-9.94945	-9.47943	-10.3602	-10.1218	-9.34688	-11.7903	-10.4851	-11.7125	-12.2103	-11.5536	-11.1414	-10.5338	-11.8205	-15.0684	-15.5868
100	-1.95337	-1.7251	-1.71281	-0.62512	-0.26472	-0.458626	-2.498172	-3.088897	-1.885778	-1.32472	-2.390474	-2.779762	-2.064445	-1.192223	-0.312401	-1.03739	-2.67185	-3.81479	-5.08627	-6.90519	-7.62038	-6.97402	-7.1966	-7.7795	-7.424	-6.73212	-6.94344	-8.65684	-11.3148	-14.2321	-17.2671	-18.6855	-13.9996	-13.9983	-18.3245	-16.9641
105	-1.95337	-1.06334	-0.43717	-0.050953	-0.28052	-0.228977	-2.527198	-3.064115	-1.764681	-1.958104	-3.344387	-3.536575	-3.013172	-2.723243	-0.902403	-0.292473	-0.32458	-1.77842	-3.3274	-3.81906	-4.76108	-7.03225	-7.69891	-8.74329	-7.61503	-7.77591	-9.69545	-10.0805	-10.4099	-12.9863	-17.2556	-14.7366	-14.3477	-21.391	-18.586	
110	-1.95337	-0.46387	-0.544281	-0.40376	-0.70439	-1.930581	-2.400458	-1.187831	-2.22757	-3.582589	-3.422113	-2.819373	-2.553177	-1.803196	-0.820033	-0.519167	-0.02704	-1.51495	-2.62605	-3.18899	-5.98689	-6.06424	-9.50339	-8.69746	-7.44835	-8.26888	-10.1072	-9.62578	-9.98119	-10.8504	-11.578	-10.8919	-12.2176	-19.7795	-20.3557	
115	-1.95337	-0.066045	-1.277398	-0.936265	-2.2032	-2.11343	-1.093469	-1.333546	-4.295974	-1.465749	-2.666276	-1.856313	-0.727943	-0.163202	-0.78638	-1.26994	-1.04137	-1.49497	-2.50005	-2.98968	-4.89943	-7.59091	-7.35067	-6.74433	-6.81691	-6.61733	-10.8049	-15.1286	-12.3212	-12.8318	-9.81044	-8.7994	-10.0878	-16.3114	-21.3967	
120	-1.95337	-0.523144	-1.793946	-0.00438	-3.89174	-3.11066	-0.777831	-0.862495	-1.54244	-0.829676	-2.058573	-0.722966	-0.56948	-0.48801	-1.27976	-1.22878	-2.11584	-2.86163	-3.07494	-4.83249	-7.68466	-10.5221	-9.4082	-7.44908	-8.58964	-10.5708	-14.54	-13.671	-10.1874	-7.94033	-8.75246	-13.7253	-22.7456	-22.7456		
125	-1.95337	-0.090375	-2.11869	-0.80216	-5.8255	-2.39315	-1.271263	-1.16345	-1.02023	-1.719468	-3.14983	-2.11222	-1.30671	-1.53779	-1.02881	-0.682321	-0.018001	-1.89026	-3.16511	-3.81544	-5.54296	-8.51649	-7.72034	-8.69204	-14.3536	-10.2466	-7.248	-8.99539	-7.78333	-7.50985	-10.8081	-12.3385	-8.47983	-8.2752	-11.9971	-22.3399
130	-1.95337	-1.21782	-2.27314	-2.03053	-5.31263	-0.38663	-1.971306	-1.631364	-4.28023	-2.60742	-4.204209	-3.287201	-2.813878	-3.218001	-2.797096	-2.086274	-1.37699	-1.8474	-2.38605	-3.70144	-5.077	-7.81203	-18.7849	-10.3948	-14.2091	-7.43406	-10.3948	-14.2091	-7.43406	-10.3948	-14.2091	-7.43406	-10.3948	-14.2091	-7.43406	
135	-1.95337	-1.458484	-2.27731	-3.59569	-2.32732	-1.656184	-2.369921	-1.563255	-0.661676	-2.185320	-3.982019	-3.18089	-3.456163	-4.500082	-4.259458	-3.635118	-3.179551	-1.600497	-1.11708	-2.68373	-3.26616	-5.4982	-6.10558													

Raw data – ANT12 (5.865GHz)

Theta/Fthi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	
0	-1.32258	-1.32114	0.193431	1.230155	0.042341	-0.80814	-0.17543	-3.25771	-12.682	-9.55799	-13.6624	-7.3374	-4.38099	-6.22093	-3.01001	-1.94311	-4.52398	-3.34119	-2.15416	-3.79595	-5.06113	-3.95283	-4.37466	-0.02862	-8.73133	-8.34789	-8.92172	-11.2863	-14.3374	-14.2899	-12.0148	-10.6261	-10.669	-13.0693	-16.7279	-17.2669	
5	-1.32258	-1.43653	-0.01746	1.036902	-0.11842	-1.55919	-1.08112	-3.00012	-10.3578	-11.6048	-21.088	-8.07624	-4.02898	-5.82514	-1.63339	0.152373	-2.38313	-2.87707	-1.41576	-2.79893	-5.09996	-4.1061	-4.213	-1.71043	-0.4662	-8.02228	-7.77817	-9.68672	-12.2389	-13.7305	-13.2896	-11.1227	-10.7354	-13.6133	-17.2595	-17.4781	
10	-1.32258	-1.56945	-0.29944	0.787462	-0.1238	-1.99665	-1.90301	-2.64589	-17.16025	-9.68827	-11.8987	-6.65669	-3.58166	-5.5544	-2.99809	-0.10287	-2.16818	-4.92089	-2.58887	-3.20063	-6.56148	-6.222	-6.25208	-10.7462	-9.93932	-8.1918	-8.8414	-10.3248	-12.8088	-14.4914	-11.3899	-10.9358	-14.6239	-17.9368	-17.6293		
15	-1.32258	-1.71757	-0.63949	0.495926	0.008091	-1.9659	-2.71484	-3.26847	-5.62292	-9.70094	-9.26037	-10.8545	-4.36959	-4.06276	-3.95571	-1.23461	-1.96449	-5.20897	-4.52108	-3.83842	-6.14077	-8.27791	-7.7328	-8.11969	-9.88727	-9.61607	-7.92196	-7.78127	-9.15825	-12.3797	-14.9262	-11.344	-11.3196	-16.1875	-18.5717	-17.6964	
20	-1.32258	-1.86954	-1.01959	0.167961	0.181498	-1.59221	-3.39316	-3.23807	-4.5633	-10.5136	-6.75003	-10.2848	-7.85474	-5.06025	-4.16088	-2.57881	-2.54624	-3.70726	-4.11033	-3.50726	-5.79726	-7.94241	-7.17027	-8.11958	-9.36854	-9.18556	-7.0759	-6.82673	-8.76363	-12.5455	-14.239	-11.063	-11.8511	-18.2334	-18.5869	-17.6776	
25	-1.32258	-2.02534	-1.41713	-0.19642	0.288754	-1.1393	-3.88462	-2.47929	-3.43668	-9.51561	-5.55425	-2.74011	-4.94507	-6.67895	-5.1764	-3.8035	-4.05327	-5.09522	-4.58103	-4.6833	-7.02151	-8.80661	-8.14571	-8.66328	-10.4923	-10.1924	-7.36424	-6.94991	-9.1816	-12.7035	-12.8743	-10.7328	-12.4181	-20.0164	-18.4345	-17.5811	
30	-1.32258	-2.17671	-1.80602	-0.59676	0.24767	-0.83726	-2.77281	-2.57608	-8.05955	-4.4546	-9.9172	-1.42054	-4.09374	-5.0592	-4.2451	-5.59416	-6.15198	-5.92047	-6.26363	-7.10153	-10.3678	-11.3322	-13.1497	-12.7362	-9.30689	-8.61732	-10.4681	-12.5004	-11.6968	-10.6105	-12.9189	-19.9774	-17.6311	-17.4267			
35	-1.32258	-2.31772	-2.15917	-1.02588	0.005194	-0.8361	-4.55546	-3.14655	-2.17553	-6.4344	-5.25308	-1.07054	-0.3905	-2.10322	-4.58003	-4.96645	-7.04673	-10.5593	-9.37219	-8.8908	-11.6232	-14.4089	-14.1397	-16.1465	-17.5088	-16.4664	-12.5567	-11.4115	-12.1042	-12.3845	-11.2937	-10.9765	-13.3746	-18.4175	-16.7047	-17.2413	
40	-1.32258	-2.44325	-2.4526	-1.46537	-0.46637	-1.21889	-4.91944	-3.38795	-1.98913	-4.34442	-3.61795	-0.14807	1.128669	-0.07803	-2.18767	-3.28273	-5.18383	-8.40745	-6.89972	-8.55027	-12.5893	-18.935	-25.909	-20.7948	-20.9086	-20.5553	-15.1308	-12.5491	-12.7131	-12.883	-11.9341	-12.0751	-13.9119	-16.8971	-15.9087	-17.052	
45	-1.32258	-2.54952	-2.6703	-1.88347	-1.16335	-2.00799	-5.32969	-3.3981	-1.4675	-2.05513	-1.25747	1.49795	2.851096	2.027707	1.31862	0.108811	-1.60633	-4.57591	-4.86337	-5.39876	-9.96335	-15.0383	-14.0101	-14.9852	-18.3901	-20.6711	-15.0468	-11.3308	-13.6556	-13.9751	-14.6034	-15.9889	-15.3645	-16.8821			
50	-1.32258	-2.65434	-2.80805	-2.22763	-2.02765	-3.11199	-5.51238	-2.56448	-2.56448	-2.66725	0.9737	2.63257	3.566759	2.747484	1.318119	0.217127	-1.21225	-3.49773	-3.99346	-4.33915	-11.9364	-9.95955	-11.1798	-17.566	-20.5564	-14.6508	-10.6309	-12.2863	-15.0856	-15.8616	-15.3056	-15.7258	-15.1077	-16.7479			
55	-1.32258	-2.69717	-2.87417	-2.48455	-2.90949	-4.22979	-4.80265	-0.90877	0.288755	3.447672	3.32117	3.89617	4.275592	2.763104	0.78204	0.806377	-2.7484	-3.9325	-4.5911	-4.91576	-6.89001	-12.7802	-8.5374	-10.1744	-24.1152	-15.1586	-11.018	-13.0293	-15.6237	-15.6672	-15.9662	-15.1239	-16.6578				
60	-1.32258	-2.79902	-2.88681	-2.59748	-3.55986	-4.71206	-3.12228	1.10093	4.28554	5.39006	4.97039	4.838454	4.974242	3.82795	1.891587	1.305703	0.146105	-3.27873	-5.51501	-4.57118	-5.94787	-8.61327	-8.2006	-10.6963	-18.8823	-24.247	-15.191	-11.8792	-13.9599	-18.2522	-15.0011	-13.6257	-15.4826	-16.358	-15.359	-16.6125	
65	-1.32258	-2.762	-2.8692	-2.58194	-3.75244	-3.86363	-4.22265	-1.29283	2.669317	5.430328	6.21947	5.508889	4.813683	4.622869	2.453113	1.688465	-0.05629	-3.60569	-4.8329	-4.4094	-6.32085	-9.04082	-9.00163	-11.6403	-12.0727	-12.0688	-13.7636	-18.0077	-12.0401	-13.7836	-18.0077	-12.0401	-13.7836	-18.0077	-12.0401	-13.7836	-18.0077
70	-1.32258	-2.76894	-2.84484	-2.47689	-3.48757	-3.18958	0.138585	3.18585	5.597583	5.97358	5.943012	5.110343	4.375874	4.034914	3.05204	1.707084	0.280836	-1.27249	-5.18226	-6.59407	-5.56258	-7.65572	-11.2137	-10.9811	-11.4155	-14.7931	-20.8444	-13.6511	-11.6819	-12.6895	-17.4764	-13.3316	-12.0767	-14.3294	-16.1059	-16.624	
75	-1.32258	-2.76287	-2.83404	-2.39359	-2.97943	-2.14705	1.12708	3.764621	4.915175	4.60895	5.758225	2.90087	1.48302	0.03576	-2.78637	-4.61523	-4.27689	-6.44657	-6.45123	-4.27689	-6.44657	-10.7346	-10.9242	-9.90071	-12.2201	-20.0834	-16.0716	-11.5739	-11.9658	-16.8839	-13.7172	-13.0146	-13.9393	-13.4972	-16.172	-16.6501	
80	-1.32258	-2.74658	-2.85198	-2.22561	-2.44716	-1.30092	1.80305	3.774119	4.081703	3.478625	3.396285	4.398141	5.120418	4.41556	3.270495	2.835011	1.666815	-0.78052	-2.20781	-2.49103	-5.0338	-8.76565	-8.99699	-9.28511	-11.2555	-16.5706	-16.3156	-10.7142	-11.8718	-15.9231	-13.9637	-14.7778	-12.8125	-11.815	-16.0409	-16.6624	
85	-1.32258	-2.72243	-2.90782	-2.17554	-2.00577	-0.659	2.325649	3.859613	3.595267	2.921394	3.282138	2.98049	4.906666	3.706199	2.744523	2.78611	1.327881	-1.79181	-2.91962	-3.10023	-5.53705	-8.29552	-8.11467	-10.1834	-12.1652	-14.0404	-11.6212	-8.97223	-12.0607	-14.151	-13.0514	-15.8638	-11.9409	-10.4456	-15.6952	-16.6395	
90	-1.32258	-2.69206	-3.00451	-2.21055	-1.68289	-0.17913	2.72498	4.037847	3.552836	2.996396	3.659245	4.968924	4.982606	3.256051	1.165694	1.716582	-0.23424	-2.56709	-6.5325	-5.56987	-6.43646	-8.61285	-8.3414	-11.8402	-12.0158	-13.4586	-9.26577	-7.99397	-12.3648	-12.0547	-11.493	-14.8554	-11.2793	-9.4735	-15.2682	-16.563	
95	-1.32258	-2.65648	-3.13878	-2.33364	-1.46339	0.16891	2.959438	4.117582	3.855608	3.786402	3.512413	5.79181	4.340263	2.740562	1.045519	-1.02693	-7.56359	-6.46232	-6.38496	-8.58776	-9.101	-11.2002	-10.0459	-13.7062	-8.76762	-8.28648	-12.6324	-10.5091	-10.4673	-13.4831	-11.0748	-8.89157	-12.863	-16.4212			
100	-1.32258	-2.61602	-3.30153	-2.53291	-1.32148	0.394508	2.985539	3.977091	3.040707	2.186725	3.123608	5.425899	5.958257	4.110564	1.431739	1.295585	-0.89927	-6.89222	-8.62116	-5.30495	-5.72726	-8.77474	-10.4467	-13.7753	-8.36732	-13.412	-7.82229	-9.3586	-12.6067	-10.0689	-10.6084	-13.0862	-11.4644	-8.65676	-14.6109	-16.2115	
105	-1.32258	-2.57504	-3.47852	-2.78522	-1.23602	0.501741	2.803369	3.652063	1.426362	1.826027	3.289952	4.853594	5.43731	1.560645	1.431856	-0.76948	-6.46498	-7.89375	-6.56139	-8.89981	-11.0537	-12.9666	-7.76333	-13.6089	-9.01378	-10.6609	-12.5982	-11.1349	-12.2634	-13.7045	-12.4057	-8.70397	-14.4631	-15.9405			
110	-1.32258	-2.51959	-3.65175	-3.06001	-1.19176	0.509835	2.463468	3.267205	2.489852	1.322481	1.006227	2.094858	2.930301	1.907525	0.701916	-1.114123	-0.73121	-5.88511	-6.79275	-4.16615	-6.14677	-11.804	-12.9652	-12.0608	-7.92584	-15.283	-10.247	-11.904	-12.6747	-14.1045	-15.1098	-14.309	-13.4866	-8.94927	-14.411	-15.6227	
115	-1.32258	-2.46256	-3.80154	-3.32359	-1.17361	0.464854	2.064041	2.91923	2.619437	1.80245	1.195289	1.418709	1.655464	1.560645	0.075269	-0.40387	-4.98021	-5.63707	-4.36021	-6.17099	-13.813	-13.2122	-11.531	-8.9808	-15.4876	-12.3557	-12.0024	-10.0329	-17.5838	-15.0022	-12.3533	-13.8712	-9.29803	-14.5919	-15.2769		
120	-1.32258	-2.39888	-3.90925	-3.54452	-1.16243	0.432766	1.716655	2.630763	2.756699	2.217412	1.584034	1.524369	1.614023	1.286572	0.24796	0.885596	-0.13758	-4.1463	-5.14939	-5.27467	-9.41285	-15.0771	-13.9218	-11.3574	-8.00729	-12.2996	-12.8973	-10.7599	-11.0955	-15.7524	-11.911	-11.6738	-13.297	-9.66304	-14.348	-14.9237	
125	-1.32258	-2.32815	-3.96001	-3.69917	-1.1378	0.470604	1.545716	2.401636	2.649171	2.149781	1.579453	1.589624	1.387281	0.712663	-0.50005	0.428025	-0.40218	-4.0704	-5.47528	-6.74258	-11.7987	-12.9612	-12.1821	-8.66495	-10.2765	-11.9496	-10.4376	-11.22	-13.4681	-10.1075	-10.7845	-12.5219	-9.98275	-14.2124	-14.5824		
130	-1.32258	-2.25204	-3.94478	-3.7775	-1.08587	0.593159	1.58087	2.262973	2.26656	1.4665	0.969489	1.41234	1.441693	0.155797	0.56376	0.259775	-0.81619	-4.4712	-5.94283	-7.27066	-11.1607	-16.0554	-14.4533	-13.8127	-11.264	-10.3031	-11.8723	-11.8985	-12.9703	-13.1538	-10.0396	-11.2401	-12.1205	-10.2244	-13.9752	-14.2705	
135	-1.32258	-2.16529	-3.861	-3.77235	-1.00516	0.768929	1.741085	2.215533	1.756643	0.329193	-0.15721	1.71962	1.901073	0.740436	0.2893																						

Raw data – ANT12 (5.895GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
0	-0.88302	-1.3453	-0.48597	0.173725	-1.08061	-1.57532	-0.96269	-0.02327	-11.7756	-12.0048	-14.4498	-5.88373	-4.06536	-5.73356	-2.7809	-1.60136	-3.30546	-2.22175	-2.03201	-3.52369	-4.86501	-4.3373	-4.7518	-6.08126	-8.54514	-8.46088	-8.7345	-10.04158	-13.2127	-13.6855	-12.1128	-11.2182	-10.9796	-12.234	-15.7654	-19.6869
5	-0.88302	-1.39036	-0.63605	-0.07731	-1.49245	-2.69148	-2.26755	-4.89908	-10.9073	-11.5695	-19.8072	-5.7595	-3.43812	-4.10632	-0.75325	-0.667562	-1.39394	-2.20718	-1.93074	-3.52369	-4.86501	-4.3373	-4.7518	-6.08126	-8.54514	-8.46088	-8.7345	-10.04158	-13.2127	-13.6855	-12.1128	-11.2182	-10.9796	-12.234	-15.7654	-19.6869
10	-0.88302	-1.45133	-0.84995	-0.35552	-1.67293	-3.59814	-3.70572	-4.99977	-8.57942	-8.89148	-11.237	-7.41648	-3.62763	-4.84769	-1.85723	-0.47438	-1.4506	-0.40294	-2.68454	-3.357	-6.49911	-7.32932	-6.67351	-8.04312	-9.83847	-9.20047	-8.63111	-9.07417	-9.79396	-11.2699	-13.6811	-11.696	-10.9487	-13.1475	-17.4454	-20.6882
15	-0.88302	-1.5248	-1.11435	-0.63472	-1.5706	-3.83355	-4.90274	-4.71494	-7.79568	-10.1999	-10.8225	-9.75323	-4.17249	-4.24	-4.59237	-9.91786	-9.19786	-5.48516	-4.31446	-6.48156	-8.79538	-8.47625	-8.00936	-9.76056	-9.6056	-8.35013	-7.95888	-6.69947	-11.0965	-13.8133	-11.742	-11.1945	-14.1387	-18.8554	-21.1114	
20	-0.88302	-1.60355	-1.41069	-0.90135	-1.27732	-3.30586	-5.38633	-4.30484	-6.71709	-13.039	-10.4528	-12.3905	-7.35941	-4.8753	-4.32048	-6.26253	-2.67711	-0.96876	-5.64189	-5.16262	-6.50286	-8.18486	-8.2504	-9.23332	-11.2632	-10.4282	-7.56469	-7.01158	-8.38879	-11.7703	-14.2292	-11.6968	-11.6018	-15.4564	-20.5845	-21.3945
25	-0.88302	-1.69084	-1.71548	-1.15275	-0.94599	-2.43012	-5.09081	-3.81065	-4.79399	-9.75411	-6.33941	-4.87264	-6.36085	-4.64021	-5.13855	-3.92028	-2.67717	-5.2339	-5.21768	-6.70286	-8.74267	-8.5147	-9.86279	-12.5655	-11.9988	-8.2446	-7.21521	-8.93473	-12.54	-13.6766	-11.5498	-12.054	-16.7006	-22.2663	-21.4804	
30	-0.88302	-1.77282	-2.00123	-1.38898	-0.70658	-1.65075	-4.40466	-3.23111	-3.07603	-6.67439	-4.50044	-1.69181	-2.07577	-4.13235	-4.57327	-3.89347	-5.43121	-7.44443	-5.86974	-5.53743	-8.28754	-10.3889	-9.73191	-11.3823	-14.0619	-13.9352	-10.1669	-8.98928	-10.3933	-12.5962	-12.479	-11.4109	-12.4438	-17.715	-23.0384	-21.3512
35	-0.88302	-1.84699	-2.23892	-1.60364	-0.6394	-1.20323	-3.69979	-2.52763	-1.85706	-4.69393	-4.0541	-0.9825	-0.56568	-2.60352	-4.54311	-3.57964	-5.68649	-6.40032	-8.10484	-7.37774	-10.2955	-12.6829	-12.0863	-14.2953	-17.3863	-16.9785	-13.5305	-12.2821	-12.4702	-12.3813	-11.7269	-11.5664	-12.7995	-17.8829	-22.4028	-21.0382
40	-0.88302	-1.90869	-2.40255	-1.77869	-0.77686	-1.17475	-3.22745	-1.85931	-1.03683	-2.90738	-2.50836	-2.02353	-1.058965	-0.5948	-3.12464	-4.24004	-6.23897	-9.29504	-8.83392	-8.64937	-12.4659	-15.2585	-15.7677	-19.0542	-23.0543	-23.1542	-17.3955	-14.4705	-13.7493	-12.7237	-11.9908	-12.3147	-13.2769	-17.5895	-21.0775	-20.6053
45	-0.88302	-1.95434	-2.47512	-1.88594	-1.10351	-1.57061	-3.14742	-1.47057	-0.46916	-1.29327	-0.64324	-1.81278	-2.862177	-1.734636	-0.197256	-0.52017	-2.35816	-5.32075	-5.24807	-9.09373	-10.7137	-13.9961	-12.8805	-15.1934	-21.0325	-24.6848	-17.4013	-12.763	-13.3154	-13.8406	-13.343	-13.7272	-13.9973	-17.3355	-19.8078	-20.121
50	-0.88302	-1.98182	-2.45371	-1.89661	-1.54805	-2.30645	-3.36902	-1.13598	-0.558987	-0.789536	-1.086315	-2.843697	-3.672373	-2.41161	-1.216275	-1.241839	-3.0444	-3.66819	-3.98574	-4.69698	-8.4419	-11.4572	-9.205	-11.0512	-18.3564	-21.4485	-15.5439	-11.2397	-12.7923	-15.3809	-15.1503	-15.1189	-14.8644	-17.3413	-18.8352	-19.6389
55	-0.88302	-1.99054	-2.35061	-1.79617	-1.98097	-3.13496	-3.34096	-0.13853	-2.50406	-3.575379	-3.162401	-3.875245	-4.314324	-2.21261	-0.75287	-1.018028	-0.04458	-3.8921	-4.94453	-4.61322	-7.06673	-9.79909	-8.72861	-9.82601	-11.2329	-22.4046	-14.7953	-11.1239	-13.2904	-16.7626	-15.5778	-14.9144	-15.4766	-17.4817	-18.1463	-19.193
60	-0.88302	-1.98144	-2.18987	-1.55989	-2.25042	-3.62932	-2.49176	-1.498345	-4.50617	-5.457804	-4.885249	-4.731038	-4.925342	-3.703218	-1.679674	-1.311134	-0.210566	-3.36991	-4.91196	-4.23225	-5.95279	-8.51422	-7.51034	-9.99082	-18.5084	-21.3632	-14.0821	-11.7821	-14.5589	-17.8511	-14.4396	-13.4531	-15.4564	-17.3298	-17.6622	-18.7994
65	-0.88302	-1.9567	-2.0092	-1.33226	-2.26849	-3.49157	-1.14118	-2.539976	-5.734553	-4.396167	-5.622728	-4.866004	-4.637162	-3.677617	-1.810676	-1.554304	-0.05436	-3.63318	-4.78166	-4.78166	-6.24675	-9.0167	-8.37416	-10.7917	-17.7917	-23.5391	-11.6798	-14.6234	-18.5692	-13.5391	-12.3806	-14.8852	-16.47	-17.2812	-18.4613	
70	-0.88302	-1.91933	-1.81249	-1.05518	-2.07203	-2.89187	-0.078023	-3.728918	-5.98109	-6.338012	-5.460229	-4.60237	-4.09044	-2.880185	-1.202466	-0.393485	-0.05436	-5.7212	-6.96944	-5.71929	-7.85919	-11.4002	-10.4878	-10.9929	-15.1567	-18.1091	-12.2653	-11.0871	-13.0475	-18.2797	-13.4857	-12.3384	-14.2378	-15.009	-16.9177	-18.173
75	-0.88302	-1.87273	-1.64853	-0.81196	-1.77765	-2.18635	-0.958068	-3.914182	-5.312473	-5.176055	-4.45138	-4.308572	-3.466544	-3.281175	-1.498863	-0.556412	-0.44409	-4.03951	-6.09058	-5.39819	-7.37601	-11.5546	-10.9779	-9.86098	-12.7672	-18.3053	-13.7419	-10.7534	-12.0201	-17.1256	-13.8705	-13.4135	-13.6564	-13.4045	-16.3607	-19.232
80	-0.88302	-1.82024	-1.52636	-0.61385	-1.49116	-1.56483	-1.591101	-3.84361	-4.286029	-3.57485	-3.142674	-3.387899	-4.474699	-3.754455	-2.558156	-2.075759	-0.882304	-3.73643	-3.7477	-3.55008	-5.68312	-9.60758	-9.33975	-9.40254	-11.7229	-16.6293	-14.8489	-10.2537	-12.1394	-15.6206	-13.5658	-15.2074	-13.1137	-11.9886	-16.129	-17.6973
85	-0.88302	-1.7648	-1.45649	-0.55564	-1.26623	-1.05482	-1.204618	-3.869546	-3.627458	-2.700525	-2.649017	-3.58135	-3.967609	-2.896988	-2.140565	-2.31527	-0.8921	-2.42609	-3.71664	-3.72721	-6.09376	-8.71053	-8.40095	-10.3896	-12.6729	-14.9158	-11.6064	-8.92463	-12.8919	-13.7273	-12.0733	-15.9764	-12.5584	-10.8948	-15.7551	-17.4705
90	-0.88302	-1.70873	-1.44309	-0.57041	-1.10612	-0.60201	-2.525072	-2.79473	-3.190981	-4.276904	-4.229481	-3.90981	-5.90024	-3.73669	-3.58003	-5.92291	-2.25466	-6.03234	-7.00632	-6.63099	-8.32684	-11.8323	-11.822	-13.1472	-9.2801	-7.98559	-13.5566	-11.732	-10.4283	-14.6714	-12.1438	-10.1525	-15.4551	-17.255		
95	-0.88302	-1.6536	-1.48471	-0.67887	-0.99192	-0.27378	-2.98778	-4.15938	-3.514106	-2.834842	-3.625473	-5.192235	-3.56231	-2.889291	-1.026484	-0.68787	-1.57423	-9.01708	-11.3318	-7.51727	-6.24673	-6.81876	-8.92783	-13.1773	-10.4938	-13.3333	-8.77641	-8.23128	-13.6309	-10.2475	-9.53528	-13.3068	-12.0961	-9.74587	-15.2574	-17.0121
100	-0.88302	-1.60023	-1.47599	-0.86905	-0.90268	-0.012004	-2.877928	-4.078353	-3.257721	-2.318561	-3.168207	-5.13308	-5.709347	-3.764352	-1.027109	-0.951377	-1.49342	-9.43212	-8.10278	-6.55891	-6.96961	-8.90932	-14.0424	-14.9228	-9.7985	-13.6872	-9.06011	-9.41331	-13.0596	-9.73473	-9.80755	-13.0301	-12.9726	-9.63249	-15.2615	-16.7439
105	-0.88302	-1.54877	-1.70328	-1.1233	-0.82818	0.224371	-2.766665	-3.822438	-2.870363	-1.624415	-1.962594	-3.377374	-4.543892	-3.08351	-1.058942	-1.000779	-1.4107	-7.99711	-9.75282	-5.78529	-4.1023	-9.63585	-12.0284	-15.0262	-8.79204	-14.2136	-9.40989	-10.9175	-12.5999	-10.5499	-11.576	-13.8507	-13.522	-9.74421	-15.1353	-16.4406
110	-0.88302	-1.49884	-1.8554	-1.41986	-0.76907	0.367582	-2.523405	-3.512433	-2.752065	-1.54127	-1.151172	-1.675256	-2.640447	-3.083145	-0.40967	-0.358491	-1.70596	-6.79967	-8.87826	-6.517	-6.16323	-11.1838	-13.1372	-13.7707	-8.82366	-15.6275	-10.5071	-12.2808	-12.7762	-13.1284	-14.9538	-14.7317	-14.4488	-9.98656	-15.1184	-16.1342
115	-0.88302	-1.44972	-2.01461	-1.7337	-0.7285	-0.469013	-2.230017	-3.253743	-2.953608	-2.116213	-1.426754	-1.304469	-1.118959	-4.07823	-1.08551	-1.00887	-1.56787	-6.63916	-7.61219	-5.90016	-6.52212	-13.6558	-13.8264	-12.6405	-8.7586	-15.9615	-12.1411	-12.5013	-12.9832	-17.4867	-16.2162	-13.8248	-14.4887	-10.2502	-15.037	-15.8078
120	-0.88302	-1.4005	-2.1629	-2.03709	-0.70358	-0.569026	-2.003109	-3.077378	-3.208085	-2.68291	-1.981728	-1.547195	-0.980805	-0.36257	-1.04342	-0.020086	-1.03292	-6.26916	-6.54781	-5.67085	-6.4246	-15.3533	-13.4568	-11.9309	-8.77899	-12.8848	-12.9329	-11.4806	-12.5802	-19.7321	-12.8595	-11.9698	-13.6053	-10.4397	-15.8327	-15.484
125	-0.88302	-1.35026	-2.28286	-2.30092	-0.6826	-0.703564	-1.93961	-2.79927	-3.259576	-2.766616	-2.105856	-1.376769	-1.10714	-0.42739	-0.92553	-0.024661	-0.8449	-4.44157	-5.90686	-7.02785	-11.3206	-15.6053	-14.9981	-12.185	-8.3386	-10.3923	-12.3465	-11.0783	-12.4229	-14.8344	-10.5856	-10.8896	-12.6596	-10.5037	-14.4929	-15.1779
130	-0.88302	-1.29826	-2.35969	-2.49745	-0.64894	-0.883124	-2.032527	-2.966404	-3.071255	-2.27118	-1.58752	-1.976739	-1.261083	-0.62982	-0.198445	-0.84587	-4.32675	-5.72797	-7.16201	-11.0953	-15.7048	-14.1712	-13.7223	-10.3076	-9.89969	-12.211	-12.2023	-13.3813	-13.5563	-10.1334	-11.1309	-12.0265	-10.4431	-14.0593	-14.9044	
135	-0.88302	-1.24399	-2.38329	-2.60435	-0.58792	-1.088244																														

Raw data – ANT12 (5.925GHz)

ThetaPhi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	
0	-1.94484	-1.8587	-1.67381	-2.39116	-1.54094	-1.5758	-4.36247	-3.94435	-3.55852	-5.74228	-8.64164	-6.65013	-3.28722	-2.58656	-5.92953	-3.56509	-3.4269	-0.08599	-3.26805	-2.31467	-3.27414	-5.3599	-6.29005	-8.59432	-11.3627	-9.58743	-12.1588	-11.055	-8.79563	-9.92803	-11.6111	-16.9398	-15.2356	-12.3116	-12.1115	-14.5379	
5	-1.94484	-1.87133	-1.38052	-2.93937	-2.0001	-4.17716	-3.52988	-6.10148	-9.52883	-12.4795	-7.7666	-2.461	-4.00984	-4.75025	-2.70893	-2.9725	-1.7678	-1.37851	-2.55389	-3.40963	-5.1846	-7.19634	-9.67295	-14.1674	-13.7748	-10.6199	-10.1612	-11.6026	-14.3691	-14.6941	-12.6655	-12.7766	-14.8866	-15.8336	-13.8865	-13.8865	
10	-1.94484	-1.8027	-1.33865	-3.79062	-4.5439	-3.80641	-2.78006	-5.68474	-9.0711	-13.654	-14.7535	-5.38071	-2.24889	-3.03511	-4.47826	-3.70379	-4.46199	-5.62273	-4.5941	-3.4557	-4.40213	-5.80378	-6.95444	-8.7749	-11.7327	-10.4391	-15.4174	-15.6169	-12.3825	-9.6113	-10.8767	-12.6584	-14.0878	-12.9399	-15.476	-15.1614	
15	-1.94484	-1.93254	-1.00003	-3.95672	-5.6681	-1.22229	-1.12579	-3.99714	-8.75448	-12.4932	-9.57575	-4.80487	-2.4002	-2.54599	-3.35321	-3.0913	-3.4422	-4.99172	-5.78289	-5.76096	-6.98151	-9.4918	-9.06597	-9.9418	-10.9676	-11.5153	-11.6465	-15.5377	-13.1489	-8.86506	-10.5845	-11.7212	-13.7742	-12.6652	-14.4539	-13.8865	
20	-1.94484	-2.00519	-0.79181	-3.44088	-5.68729	-0.82881	-0.04436	-2.18461	-5.72621	-8.25529	-6.2807	-2.00589	-2.86675	-2.99166	-2.89634	-2.00713	-2.02998	-3.49143	-4.85322	-5.29912	-6.16245	-7.09124	-6.98162	-9.94751	-10.3206	-9.16455	-8.05222	-15.7927	-12.2224	-8.97703	-11.7327	-11.4748	-13.8093	-13.6341	-15.5163	-15.3837	
25	-1.94484	-2.11816	-0.51562	-2.50803	-4.87568	-1.00837	0.12803	-1.40213	-3.83322	-4.4113	-3.81024	-2.40547	-2.00489	-3.29016	-3.0872	-1.94045	-2.12193	-2.2842	-4.05035	-5.09627	-4.89064	-6.53445	-7.11041	-10.4224	-6.55209	-6.91034	-11.7794	-10.3562	-10.6161	-14.2297	-11.315	-14.0669	-14.1614	-16.7092	-15.3091	-15.2601	
30	-1.94484	-2.26669	-0.29805	-1.5181	-3.794	-1.76811	-0.48604	-1.7054	-3.85388	-2.73388	-0.42484	0.431281	0.201659	-0.657	-0.19126	-2.54275	-2.86327	-3.4938	-3.5103	-3.24955	-3.88731	-4.68212	-5.62104	-6.94819	-8.63371	-5.55287	-7.75352	-14.2316	-8.95878	-14.6085	-13.9208	-10.8015	-14.285	-14.797	-17.8753	-15.1256	
35	-1.94484	-2.51825	-0.1838	-0.69975	-2.67899	-2.60242	-1.15934	-1.72697	-4.2724	-3.22883	-0.043296	1.747131	0.216148	-1.34353	-1.59259	-2.06583	-3.06679	-3.47437	-3.14461	-3.32159	-4.83744	-6.14367	-9.43828	-8.36395	-6.27455	-9.99241	-10.0975	-9.05242	-19.9111	-10.5882	-10.3636	-14.2476	-15.4626	-18.6108	-14.8641	-15.661	
40	-1.94484	-2.82273	-0.21336	-0.13765	-1.63642	-2.66207	-1.0282	-0.30514	-2.13929	-3.06272	-0.79852	1.317756	2.31158	1.900495	0.257675	-1.60529	-8.83004	-3.48002	-4.11584	-4.91738	-5.47017	-6.08709	-7.0921	-9.39683	-9.07255	-9.57432	-11.8491	-8.85798	-11.1133	-14.4833	-8.69374	-10.7538	-13.8855	-16.0463	-18.4227	-14.2631	
45	-1.94484	-3.20591	-0.4429	0.137942	-0.78926	-1.92508	-0.58948	1.027831	0.598373	-0.3631	-0.10097	1.109194	2.30312	2.34746	1.41484	1.616023	-0.20049	-1.74465	-3.4037	-4.55368	-5.78205	-7.05704	-8.3082	-9.79928	-12.3251	-13.4596	-10.8855	-8.9966	-13.294	-10.6223	-8.86409	-12.3188	-13.326	-16.4357	-17.325	-14.5616	
50	-1.94484	-3.66777	-0.85904	0.111071	-0.26145	-1.13032	-0.80946	0.936382	1.46192	1.238984	1.240662	1.73412	2.523488	3.021751	2.825939	2.160154	1.381679	0.436167	-0.9642	-2.82827	-4.37783	-5.16951	-6.17651	-8.92424	-12.0022	-13.0823	-10.1156	-11.8305	-11.8501	-9.87229	-11.2591	-14.0097	-12.6204	-16.5115	-15.8397	-13.9942	
55	-1.94484	-4.19755	-1.56611	-0.23791	-0.12925	-0.61129	-1.57553	-0.71536	1.361502	0.759395	1.036692	1.51705	2.145193	2.961467	2.454279	1.915931	1.247424	0.391643	-0.86677	-2.76129	-4.72521	-5.20469	-6.499475	-8.78621	-11.7354	-10.97632	-11.2946	-12.0769	-11.3143	-12.0112	-14.6315	-13.0797	-12.2939	-16.1081	-14.4021	-13.7601	
60	-1.94484	-4.76538	-2.6169	-0.93885	-0.42031	-0.28224	-1.26991	-1.63337	-0.96551	-0.39575	0.161501	0.937904	1.710009	2.068554	1.93618	1.69603	1.528172	1.03149	-0.01248	-1.20191	-2.29458	-3.80903	-5.62622	-6.55853	-7.85032	-10.6522	-11.274	-11.0731	-13.9421	-15.0787	-12.6518	-11.339	-12.6639	-15.1101	-13.2075	-13.6728	
65	-1.94484	-5.31088	-4.11948	-2.03171	-1.12819	-0.06905	0.507136	0.789843	0.818407	0.905928	1.340362	1.825311	2.198811	2.440558	2.489595	2.400929	2.092343	1.23731	0.103881	-1.27881	-2.67702	-3.62285	-5.84042	-9.49151	-8.1597	-9.491084	-8.37994	-10.6408	-14.9361	-11.9054	-10.288	-11.2997	-13.8587	-13.6749	-12.3255	-13.6614	
70	-1.94484	-5.73469	-6.24073	-3.54709	-2.20642	-0.11658	1.977085	3.038224	2.994199	2.745243	2.902173	2.871488	2.34266	1.730351	1.4004	0.788914	-0.00472	-0.81283	-1.41535	-2.1491	-3.05399	-3.36113	-6.38017	-5.53562	-7.21573	-6.49035	-7.59987	-11.2196	-10.9611	-9.66846	-11.0044	-13.9562	-14.7055	-12.1857	-11.7854	-13.7716	
75	-1.94484	-5.91125	-9.16213	-5.39805	-3.49137	-0.6328	2.340843	3.764597	3.630799	2.949482	2.605217	2.908987	0.881337	-0.71144	-1.21214	-1.33466	-0.44617	-1.7512	-0.06501	-3.82075	-4.62055	-6.64031	-7.02546	-7.2817	-6.52557	-7.25343	-10.3187	-11.3149	-9.52635	-10.5744	-16.2377	-19.0718	-13.3462	-10.9934	-11.6121	-14.0161	
80	-1.94484	-5.74097	-12.1958	-6.98268	-4.51814	-1.59888	1.664931	3.289832	3.140168	2.014278	0.789245	-0.63064	-0.20401	-2.69401	-0.93929	-3.13267	-3.33993	-3.86181	-4.933	-6.48295	-7.25993	-7.15446	-6.89495	-6.68771	-7.83299	-11.2124	-10.2078	-9.24609	-10.378	-12.6687	-17.7163	-14.6314	-11.1253	-10.3216	-11.8404	-14.4074	
85	-1.94484	-5.21529	-11.3806	-6.93328	-4.577	-2.46983	0.609573	2.51265	2.741267	1.882035	0.702283	-0.5508	-1.14252	-0.82673	-0.5357	-3.54305	-0.97848	-2.115	-3.64771	-4.7975	-5.3345	-5.53382	-5.30876	-5.50875	-8.09086	-8.42078	-6.61425	-8.20442	-11.1739	-10.6583	-10.9166	-10.5016	-9.81156	-10.3125	-12.5211	-14.9512	
90	-1.94484	-4.42392	-7.71478	-5.14057	-3.58618	-2.39307	0.355791	2.388306	2.843876	2.333751	1.833997	1.454888	0.919366	0.459471	0.268725	0.07373	-0.76485	-2.45819	-4.3076	-5.83178	-7.65457	-9.98365	-6.76045	-7.1458	-8.64259	-7.24236	-6.89184	-9.61617	-10.5371	-9.0429	-9.17645	-9.50367	-9.87586	-11.0797	-13.7213	-15.6488	
95	-1.94484	-3.49486	-4.55567	-2.95977	-2.25357	-1.50766	1.075306	2.703925	2.530642	1.670623	1.618596	1.695759	0.927777	-0.13875	-0.70717	-1.17945	-2.62452	-4.86942	-6.4174	-7.58164	-10.159	-9.96989	-9.08884	-11.0428	-9.7757	-8.70383	-9.17065	-10.5397	-10.4178	-10.776	-11.2893	-11.2864	-11.5528	-12.6093	-15.4915	-16.4671	
100	-1.94484	-2.53613	-2.18147	-1.20816	-1.15113	-0.70176	1.783488	2.796791	1.557509	0.514455	1.612631	2.148813	1.578356	0.852663	0.053475	-1.24492	-2.98116	-4.26218	-5.40607	-7.19097	-8.32869	-8.48703	-9.74169	-10.2882	-8.51052	-8.04871	-8.33291	-9.05817	-11.0249	-15.1172	-18.2319	-17.0312	-15.0637	-14.8151	-17.6557	-17.4252	
105	-1.94484	-1.61697	-0.93757	-0.08964	-0.51421	-0.46607	1.944008	2.510489	0.733901	0.972595	3.004733	3.560464	3.013039	0.706794	2.286436	1.00713	0.309466	-0.7296	-1.39391	-3.19506	-4.24036	-6.00808	-8.871	-9.6627	-8.75708	-8.92948	-8.29716	-9.39586	-12.0624	-15.6207	-21.793	-17.293	-15.6226	-19.0729	-18.372		
110	-1.94484	-0.77429	0.946985	0.907096	-0.43255	-0.89206	1.569935	1.96079	0.347919	1.732136	3.605894	3.79744	3.532481	3.249496	2.669652	1.657468	1.382244	0.859041	-0.67179	-1.80202	-2.43317	-4.27197	-6.958	-8.51462	-10.1547	-8.47486	-8.12117	-10.6923	-10.2796	-9.8671	-11.6229	-14.2785	-13.7571	-13.8619	-18.1137	-19.666	
115	-1.94484	-0.02388	1.950991	1.369909	-0.94087	-1.7739	1.047627	1.24565	-0.35124	1.124814	5.258115	2.048873	1.708887	0.854265	0.191258	-0.78857	-1.86555	-2.52184	-3.58669	-5.59963	-8.07012	-7.82227	-6.24449	-6.75439	-8.20086	-8.30975	-11.0782	-11.4857	-10.6184	-11.4949	-12.6201	-12.0676	-11.6072	-10.8395	-11.6462	-15.886	-19.0088
120	-1.94484	0.627983	2.680361	1.198793	-1.95033	-1.23188	1.033316	1.4267	-1.20984	-0.28928	1.008601	-0.02157	-0.81155	-0.78218	-1.37982	-1.85063	-2.27769	-3.41207	-4.0842	-5.39593	-6.24581	-11.2329	-10.0866	-10.2842	-8.30975	-7.72065	-8.48127	-9.94527	-10.3083	-13.3852	-13.2969	-8.01286	-9.70086	-12.352	-19.1357		
125	-1.94484	1.184029	3.185143	0.714138	-2.8986	-1.41612	1.789878	2.084567	-1.04846	-0.01647	1.683731	1.702131	1.719435	-0.63734	-1.81775	-3.65388	-5.27512	-5.85674	-6.80611	-11.8364	-9.35754	-9.93263	-15.5456	-8.0093	-8.48127	-9.94527	-10.3083	-13.3852	-13.2969	-8.01286	-9.70086	-12.352	-19.1357				
130	-1.94484	1.647829	3.50442	-0.147	-2.52166	0.604545	2.736822	2.793178	-0.28555	1.370646	3.895573	3.279786	3.567995	3.70188	2.69897	1.509022	0.924426	-0.54557	-2.81868	-4.29187	-5.34962	-7.7263	-7.56855	-9.5011	-14.2288	-7.7261	-9.53971	-9.98084	-7.24594	-6.88233	-11.7366	-17.706	-11.2504	-9.87658	-11.3066	-18.47	
135	-1.94484	2.024645	3.672111	-1.29712	-0.61617																																

Raw data – ANT12 (6.175GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	
0	1.212686	2.478287	2.805415	1.25035	-1.27561	-1.28253	-1.62078	-5.24805	-9.9941	-9.37023	-7.82531	-4.09722	-2.98631	-6.4523	-5.5997	-2.05442	-3.18977	-4.94782	-2.48994	-2.58005	-6.16327	-6.87595	-5.26923	-6.78284	-11.1813	-12.5085	-11.075	-11.529	-12.2984	-13.8766	-14.5651	-12.8399	-11.8591	-14.6959	-16.8466	-14.926	
5	1.212686	2.578707	2.982771	1.389388	-1.00555	-0.42703	-0.78939	-5.53576	-16.7396	-16.3345	-10.8791	-7.30305	-2.53859	-6.00453	-4.7556	-1.63302	-2.96023	-7.77259	-2.39076	-2.23776	-5.1028	-6.5976	-5.9691	-7.63355	-11.2962	-11.6927	-10.9235	-11.7946	-12.1284	-12.5976	-13.3073	-12.6034	-12.1161	-14.8306	-16.7726	-15.0317	
10	1.212686	2.652922	3.110015	1.593139	-0.55787	0.206656	-0.00502	-4.57666	-16.1767	-14.9764	-15.451	-7.4026	-7.30078	-6.21473	-4.64175	-3.52057	-5.05738	-6.76325	-4.47024	-3.30747	-4.73079	-8.06161	-7.99367	-13.2966	-12.9863	-12.851	-11.8654	-11.7517	-12.6379	-12.6003	-12.5054	-15.0609	-16.7016	-15.149			
15	1.212686	2.696162	3.187375	1.828389	-0.09787	0.525997	0.526678	-3.32532	-11.3104	-9.63169	-10.4756	-6.6095	-2.74316	-5.58276	-1.10923	-5.5031	-8.32328	-10.4181	-8.86669	-7.7681	-12.2693	-11.9422	-11.1714	-11.1732	-14.2535	-16.3866	-14.875	-12.9468	-11.6243	-11.7715	-12.7403	-12.7499	-12.8476	-15.2687	-16.6258	-15.2772	
20	1.212686	2.702949	3.21397	2.04796	0.2627	0.537497	0.740404	-2.42625	-8.98777	-7.53104	-7.75653	-4.47203	-2.24256	-4.38366	-5.89666	-4.90598	-12.1915	-8.21829	-8.01297	-14.2198	-11.7261	-14.198	-14.7548	-12.8996	-11.8138	-11.7695	-12.781	-13.4836	-12.8802	-12.9933	-15.3774	-16.6628	-15.4163				
25	1.212686	2.693577	3.189206	2.215857	0.499574	0.30646	0.673211	-1.7089	-6.82226	-6.08958	-6.11891	-4.5374	-2.3757	-3.5719	-5.57845	-4.23581	-5.52978	-9.81811	-9.05799	-8.699	-11.949	-12.1844	-10.7535	-12.438	-15.8229	-14.428	-11.9316	-11.5736	-12.5949	-14.3548	-14.213	-12.8596	-12.9905	-15.3974	-16.4409	-15.5671	
30	1.212686	2.651114	3.111435	2.318225	0.63682	-0.07591	0.387365	-1.16738	-4.1866	-3.4827	-3.7647	-1.99072	-2.3072	-3.24216	-3.2848	-4.9498	-7.89551	-7.42181	-7.52404	-11.4258	-10.5118	-11.9192	-16.9635	-16.389	-13.0289	-12.6016	-13.5991	-15.0525	-14.1875	-12.8117	-13.0243	-15.4024	-16.3329	-15.7311			
35	1.212686	2.58441	2.93844	2.364108	0.757303	-0.50734	-0.1131	-0.92944	-1.86679	-2.59687	-2.90077	-2.66205	-2.10738	-2.73662	-2.25262	-1.99912	-3.9192	-6.87698	-5.99299	-5.72825	-9.23305	-12.4278	-10.799	-12.1012	-15.0289	-17.0833	-14.5989	-13.4159	-13.6651	-14.888	-13.9059	-13.0849	-13.3057	-15.4544	-16.2192	-15.9105	
40	1.212686	2.49659	2.835895	2.378626	0.934732	-0.84912	-0.85493	-0.35774	-2.52553	-3.82485	-1.24772	-0.87649	-1.31383	-3.5129	-3.87546	-2.84567	-4.29483	-7.26443	-6.7638	-6.2338	-10.0653	-12.4232	-12.0365	-12.0536	-15.11	-16.853	-15.0719	-13.8715	-14.4404	-13.9957	-13.9075	-15.5496	-16.106	-16.1087			
45	1.212686	2.391358	2.652357	2.391937	1.217011	-0.00119	-0.46795	-0.41665	-0.74075	0.78202	0.533653	1.189713	1.081526	-1.85552	-5.1969	-6.70619	-7.99208	-5.75874	-10.2968	-13.1872	-12.1485	-12.7223	-16.6758	-16.4594	-13.1982	-13.6087	-15.9648	-16.3873	-15.5282	-14.4735	-15.7683	-16.0643	-16.333				
50	1.212686	2.27285	2.457703	2.426398	1.593389	-0.5197	-1.82107	-0.32625	-1.470915	1.972993	1.774724	2.321068	2.38311	0.859896	0.70755	-1.00871	-2.69583	-5.72443	-5.65465	-6.1133	-6.93562	-11.7699	-10.1998	-11.495	-16.8557	-19.628	-16.3953	-13.2224	-14.4318	-18.5239	-19.2674	-16.7333	-15.218	-15.5894	-15.9331	-16.5793	
55	1.212686	2.145618	2.26733	2.488633	1.996193	0.180662	-0.92331	0.503828	2.214774	2.701894	2.328316	2.217424	2.25725	0.441702	-0.70722	-1.18847	-6.6083	-5.23407	-5.50926	-8.3406	-10.9409	-9.72339	-11.1675	-16.2956	-17.5191	-14.0705	-12.8525	-19.5537	-19.4729	-16.2313	-15.2642	-15.4651	-15.9204	-16.862			
60	1.212686	2.014387	2.095545	2.567119	2.334685	0.889047	0.391379	1.769928	3.00586	3.055329	2.365222	2.4736	2.36357	0.204966	-2.66483	-2.15746	-3.21018	-6.86409	-7.21046	-6.57498	-8.8347	-12.0153	-11.7198	-11.5386	-15.2604	-16.9521	-12.8413	-12.9921	-15.6574	-19.0284	-17.4384	-14.9899	-15.0819	-15.3401	-16.0014	-17.1835	
65	1.212686	1.883885	1.953754	2.642198	2.53236	1.338503	1.371931	2.797401	3.665459	3.174104	1.998384	2.199825	2.817766	1.627255	-1.97413	-1.82115	-3.26576	-9.96295	-7.39293	-6.26485	-8.72021	-13.0725	-12.1078	-11.1286	-13.6239	-15.1833	-13.1129	-13.9646	-16.491	-19.5257	-16.5971	-14.474	-15.1704	-15.3284	-16.2134	-17.5484	
70	1.212686	1.758579	1.849367	2.696155	2.548014	1.403177	1.773156	3.322587	4.050012	3.289731	1.648897	1.384803	2.079979	1.253209	-0.25779	-0.4896	-2.23926	-6.26459	-6.43285	-5.61559	-9.92422	-14.3305	-11.8742	-10.7362	-13.2889	-15.8818	-14.3587	-14.3257	-16.1258	-20.5334	-17.3798	-15.1576	-15.788	-15.485	-16.5921	-17.9194	
75	1.212686	1.642434	1.785615	2.721747	2.382485	1.709856	1.659021	3.389765	4.184447	3.511845	1.977298	1.234856	1.045158	-0.81656	-2.52717	-1.75294	-3.29209	-7.7497	-7.54386	-6.87961	-10.79	-16.2667	-12.5741	-11.0153	-14.049	-17.6723	-15.3468	-13.2918	-15.0716	-19.6817	-19.2402	-16.9954	-16.7296	-15.766	-17.1675	-18.4164	
80	1.212686	1.538624	1.762085	2.7251	2.079973	0.46894	1.233224	1.178801	4.074403	3.603355	2.564732	2.255653	2.017457	-0.16057	-3.17471	-2.76572	-3.71533	-8.23761	-8.95498	-8.1136	-11.2957	-15.8076	-12.1515	-11.039	-14.2286	-16.9113	-14.3346	-12.3127	-15.2643	-17.8912	-20.1247	-18.6911	-17.136	-16.0362	-17.9606	-18.9144	
85	1.212686	1.449444	1.77554	2.723216	1.725957	-0.22682	0.801197	2.878744	3.730877	3.29149	2.552075	2.752278	3.013883	1.685151	-0.07285	0.041939	-1.17626	-5.5445	-6.63395	-6.2707	-9.07531	-15.3413	-10.6082	-10.5833	-14.1667	-15.3572	-12.7041	-11.9313	-17.1437	-16.5906	-18.7301	-17.7065	-16.3636	-16.1448	-18.9744	-19.4418	
90	1.212686	1.376102	1.820669	2.73739	1.43324	-0.73026	0.590029	2.603809	3.214026	2.608543	1.826398	2.06729	2.44343	1.437009	0.736301	1.348433	-0.25564	-8.43445	-5.2282	-5.2967	-8.39138	-13.1281	-10.2694	-10.694	-10.8371	-15.0899	-15.6633	-11.93	-11.7556	-18.2073	-15.6537	-17.3071	-15.7257	-15.179	-16.0457	-20.17	-19.9786
95	1.212686	1.318744	1.890641	2.784366	1.305029	-0.83173	0.632651	2.370699	2.634933	1.855882	1.001569	1.017706	1.043944	-1.24205	-1.3362	-0.6474	-6.75934	-10.3916	-15.4981	-11.2674	-12.0031	-16.136	-11.3631	-16.3811	-17.7765	-12.3074	-11.5192	-13.6992	-14.6335	-17.9345	-15.2612	-14.9575	-15.5925	-22.3812	-20.957		
100	1.212686	1.276523	1.977573	2.871865	1.386267	-0.53503	0.816465	2.158598	2.082186	1.256725	0.657497	0.913561	0.936994	-1.42405	-3.86069	-2.68607	-0.33512	-11.3182	-9.81536	-29.2132	-11.5208	-18.2206	-13.3913	-16.3811	-17.7765	-12.3074	-11.5192	-13.6992	-14.6335	-17.9345	-15.2612	-14.9575	-15.5925	-22.3812	-20.957		
105	1.212686	1.247741	2.073044	2.991743	1.644522	-0.0082	1.031612	1.954372	1.575497	0.717526	0.430848	1.780844	1.389441	-1.2406	-2.8101	-7.29656	-1.00411	-9.51329	-10.7954	-32.2442	-11.1248	-17.5309	-13.3013	-13.9484	-16.2844	-18.2882	-13.3041	-12.1916	-13.0824	-14.9084	-18.3362	-16.8206	-15.5039	-15.3885	-22.6584	-21.3259	
110	1.212686	1.230053	2.168694	3.1278	2.000286	0.578326	1.227616	1.765689	1.116443	0.114019	-0.15768	0.41052	0.599734	-0.47054	-2.31284	-2.27836	-3.9696	-7.85342	-9.00602	-8.6416	-12.0063	-18.497	-14.6722	-14.3563	-16.0196	-19.0125	-14.6388	-13.269	-13.7008	-15.4494	-15.9235	-17.439	-16.7832	-15.1715	-22.1109	-21.5766	
115	1.212686	1.220684	2.256849	3.259441	2.372916	1.126535	1.3962	1.610707	0.76951	-0.38375	-0.87428	-0.80919	-1.25666	-2.96407	-0.95329	-2.46066	-9.59167	-9.94607	-9.94606	-15.4935	-22.0828	-19.1371	-15.2862	-15.65195	-19.1108	-15.3181	-13.8645	-14.9235	-15.3734	-12.8394	-15.299	-17.3625	-14.8834	-21.0769	-21.7043		
120	1.212686	1.216647	2.331033	3.367787	2.70603	1.602047	1.555682	1.523027	0.656395	-0.44294	-1.1151	-1.437	-2.37585	-4.49576	-7.31806	-8.48632	-10.8973	-13.115	-13.3312	-13.4293	-20.4805	-24.0763	-22.2461	-16.694	-15.2881	-18.3643	-15.718	-14.0382	-15.5782	-14.3753	-10.8026	-12.9947	-16.6915	-14.517	-19.9666	-21.7281	
125	1.212686	1.214928	2.386252	3.439068	2.970009	2.006794	1.748839	1.557157	0.819229	-0.05937	-0.78028	-1.10776	-1.07606	-1.89686	-3.63082	-13.6085	-16.1693	-15.9525	-17.48252	-22.8177	-21.191	-18.4642	-15.6581	-15.5519	-17.4657	-17.191	-14.8642	-15.3034	-13.4735	-10.032	-11.8804	-15.6906	-14.1304	-19.0123	-21.6855		
130	1.212686	1.212641	2.419028	3.465593	3.154595	2.355256	2.025542	1.758673	1.1189	0.348258	-0.34441	-0.54574	-1.11333	-2.26765	-6.1213	-6.82263	-8.3442	-12.401	-15.5391	-14.5621	-13.61	-21.5286	-20.4609	-20.4679	-16.8703	-17.2546	-18.7613	-16.5277	-15.1584	-13.3719	-10.5247	-12.0889	-15.0991	-13.8083	-18.307	-21.6207	
135	1.212686	1.207138	2.427212	3.44904	3.260853	2.657226	2.402049	2.115751	1.352277	0.358425	-0.22182																										

Raw data – ANT12 (6.425GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
0	3.960391	3.326688	2.002616	0.971496	0.423317	-1.22538	-3.85753	-5.85446	-11.8005	-16.6549	-14.4164	-7.01926	-2.6903	-0.64342	-3.75334	-2.55611	-4.7984	-8.95826	-4.42273	-4.87855	-9.5122	-8.36114	-7.79223	-11.3008	-16.3495	-13.6718	-11.7634	-11.2345	-12.1208	-13.3581	-13.9424	-11.2888	-10.6535	-15.0422	-18.409	-18.0814
5	3.960391	3.306441	1.86838	0.797281	0.972311	0.558853	-1.69132	-4.02224	-6.66266	-13.2527	-8.66727	-4.48278	-1.17191	-2.64323	-4.79739	-3.62134	-3.47939	-8.62179	-4.21265	-7.32853	-8.21265	-7.32853	-8.49304	-14.6558	-13.084	-11.4812	-12.1933	-14.8111	-13.7414	-10.7215	-10.6304	-15.2941	-17.4828	-17.867	-17.867	
10	3.960391	3.277399	1.766853	0.787844	1.56378	1.986263	0.314715	-3.53606	-7.85356	-9.74213	-9.30224	-4.68615	-2.93838	-5.07361	-5.04283	-2.19255	-4.83198	-6.20773	-3.32812	-5.56112	-8.1233	-7.74333	-9.57378	-8.66039	-13.842	-12.4589	-11.7236	-12.1492	-13.9992	-14.7658	-12.8936	-10.3973	-10.7981	-15.2053	-16.5364	-17.9065
15	3.960391	3.242639	1.712142	0.950329	2.0852	2.922754	1.631069	-2.05584	-4.57192	-7.71235	-7.10278	-9.79286	-7.96776	-5.09285	-11.9981	-6.43504	-4.03185	-10.4918	-7.09436	-3.96129	-10.9121	-10.0254	-9.25991	-12.5047	-13.4872	-14.5132	-13.4071	-14.4997	-14.4024	-13.3151	-12.3719	-10.4994	-11.107	-14.7445	-15.7323	-17.9215
20	3.960391	3.201854	1.706087	1.248134	2.51081	3.419312	2.28719	-0.70731	-1.66426	-1.67491	-3.50712	-6.65423	-5.05387	-8.18888	-10.7462	-7.89777	-9.79533	-13.3139	-10.6582	-9.96638	-12.9053	-12.5471	-11.0032	-12.2797	-16.7942	-15.3127	-13.7459	-14.6609	-13.6476	-13.0691	-13.0337	-11.1102	-11.4573	-14.0966	-15.1627	-18.0305
25	3.960391	3.156683	1.738572	1.619941	2.862422	3.595224	2.447758	0.215327	-0.21212	-0.9189	-3.00988	-6.63315	-5.07355	-6.88685	-8.77998	-7.14416	-6.9095	-8.85752	-6.26212	-6.10263	-10.1623	-11.2885	-9.6638	-9.94625	-12.6042	-12.2564	-13.2126	-13.6333	-14.0986	-15.1128	-15.2798	-12.0492	-11.7488	-13.5175	-14.9809	-18.248
30	3.960391	3.108013	1.791602	2.000448	3.159973	3.583482	2.329195	0.722587	0.306931	-0.91591	-3.03426	-3.588	-3.44225	-6.3412	-4.74471	-4.31667	-6.33154	-8.25246	-5.52071	-6.01204	-10.0628	-11.2829	-10.2974	-10.9716	-12.9994	-12.1462	-12.8232	-14.1248	-16.7215	-20.6545	-18.5588	-12.906	-11.9883	-13.2017	-14.8818	-18.5848
35	3.960391	3.056597	1.845018	2.334562	3.393031	3.471922	2.131422	1.10171	0.82861	-0.02303	-1.21298	-1.22072	-1.02917	1.04378	-1.37802	-2.87895	-4.72668	-6.40484	-5.7267	-6.97154	-13.0147	-14.1024	-10.9253	-12.7266	-17.4136	-15.9994	-15.9305	-15.4808	-12.2139	-28.2122	-18.9332	-13.3448	-12.3397	-13.2598	-15.8066	-19.0464
40	3.960391	3.003181	1.881525	2.584891	3.527206	3.265062	1.90821	1.474144	1.556367	0.988252	-0.1181	0.288776	1.345792	0.16403	0.60401	0.030812	-1.76544	-4.83921	-3.55545	-5.09731	-11.4946	-13.148	-10.0988	-12.0329	-17.3671	-16.2314	-13.5441	-15.1799	-22.5513	-21.8602	-16.9034	-13.6978	-13.0439	-13.7319	-15.8399	-19.6315
45	3.960391	2.948642	1.889852	2.734593	3.532817	2.916639	1.551886	1.632986	1.99678	1.303982	-0.27223	0.121997	1.04378	-1.13985	-4.80744	-6.36565	-6.46969	-9.87334	-13.154	-9.28661	-11.6781	-16.0465	-13.3572	-13.3328	-14.5275	-21.3711	-19.6407	-16.7059	-14.6422	-14.2945	-14.5764	-16.7399	-20.3267	-18.000	-20.3267	
50	3.960391	2.89411	1.865996	2.78691	3.410415	2.411026	0.982033	1.380289	1.981236	1.374566	-0.1719	-0.104219	0.697504	0.585819	-2.0837	-0.49416	-1.65889	-5.541	-4.54362	-4.67086	-9.79577	-11.2307	-8.94069	-11.4518	-16.7638	-13.3332	-11.2464	-15.2069	-21.0896	-19.6337	-16.5644	-16.7601	-16.0707	-15.611	-17.7828	-21.1
55	3.960391	2.841059	1.813023	2.76186	3.198096	1.822224	0.336153	0.97128	1.903251	1.02115	1.002716	1.913029	0.647979	-1.00114	-1.154571	-1.475451	-3.03334	-3.15041	-3.06022	-10.0291	-8.73483	-10.0808	-14.2168	-13.344	-11.6438	-14.8062	-19.0783	-19.5295	-18.1629	-20.3653	-17.7408	-16.4676	-18.7033	-21.8911	-21.8911	
60	3.960391	2.791321	1.739912	2.69025	2.957974	1.297067	-0.06783	0.884191	2.245338	2.792604	2.312029	2.725394	3.19773	0.989313	0.479503	-1.16586	-5.1135	-3.36793	-3.44135	-3.78433	-11.0934	-8.75262	-9.57899	-13.6803	-13.1366	-10.7828	-12.2809	-16.3217	-18.1708	-19.3184	-22.8102	-18.1571	-16.8061	-19.1417	-22.6063	
65	3.960391	2.747043	1.659788	2.605798	2.74823	0.95418	-0.07904	1.248049	2.825211	3.47615	2.858042	3.361508	3.819596	1.039812	2.27631	-0.83846	-1.88781	-4.62154	-5.11046	-5.31151	-10.8255	-12.0004	-9.07736	-13.6201	-17.6831	-10.2768	-10.9656	-15.3882	-16.7246	-16.3307	-20.3517	-17.6839	-16.7256	-18.9368	-23.1322	
70	3.960391	2.710584	1.58779	2.537551	2.598303	0.794517	0.110444	1.694	3.315832	3.758483	2.659608	2.828217	3.556074	1.348985	-1.72582	-0.74243	-1.77683	-6.19227	-4.97371	-5.05445	-11.3161	-13.8663	-11.007	-12.1391	-19.9005	-18.2853	-10.9401	-11.4311	-17.0212	-16.3217	-19.6067	-18.4872	-17.7723	-16.6539	-18.3105	-23.3809
75	3.960391	2.684348	1.538848	2.505473	2.50589	0.735436	0.267924	1.942251	3.489335	3.811574	2.407996	1.765145	2.42186	0.760259	0.95692	0.172871	-1.36034	-6.50123	-5.10166	-5.23083	-11.0104	-16.516	-11.5917	-12.3622	-16.3409	-17.729	-10.874	-11.7449	-20.1141	-17.1969	-16.4989	-18.6792	-19.3774	-16.9251	-17.6028	-23.3426
80	3.960391	2.671292	1.525665	2.526007	2.454602	0.701135	0.332119	2.000085	3.459836	3.745241	2.527334	1.59518	1.574729	0.269151	-2.84501	-1.20119	-2.86048	-8.29803	-6.96334	-6.65022	-10.8335	-14.7857	-11.0237	-11.7613	-15.819	-14.9492	-9.6622	-10.4743	-18.1291	-18.3759	-16.8596	-20.4411	-23.5683	-17.6757	-17.0285	-23.0912
85	3.960391	2.670126	1.557183	2.588281	2.434235	0.660493	0.360903	2.052718	3.36115	3.458474	2.468291	1.202663	2.139397	-0.29472	-0.60742	-3.3313	-4.3269	-9.07658	-7.3956	-6.48451	-10.4684	-12.3814	-9.79229	-12.0002	-18.1093	-15.4423	-9.62883	-9.74668	-15.376	-17.8774	-16.7623	-20.6141	-29.2421	-18.7759	-16.6719	-22.7356
90	3.960391	2.687623	1.637737	2.71127	2.451096	0.622473	0.431824	2.183305	3.258086	2.905001	1.757504	1.869272	2.448621	0.740271	-2.1498	-1.61868	-2.8162	-7.57289	-5.97879	-5.62395	-10.3127	-12.8156	-10.4246	-13.045	-18.3849	-18.2012	-10.8086	-10.2318	-14.6452	-16.8399	-15.9343	-17.7676	-22.4313	-19.9967	-16.5499	-22.3699
95	3.960391	2.720478	1.766886	2.890679	2.527698	0.62828	0.58508	2.653676	3.093155	2.195967	0.699616	0.745638	1.533378	0.700223	-1.52568	-0.50568	-1.691	-7.56585	-5.87688	-6.01258	-11.0444	-15.7375	-12.1293	-12.0297	-16.0137	-16.5348	-10.8978	-10.7686	-14.8055	-17.2705	-15.669	-15.677	-18.5668	-20.8891	-16.5622	-22.0554
100	3.960391	2.76972	1.939874	3.124458	2.694285	0.741042	0.804557	2.473153	2.737579	1.363155	-0.05948	0.006377	0.591907	-1.60952	-3.11371	-0.5231	-2.61708	-10.4223	-7.45528	-7.46108	-13.7929	-18.0249	-12.6879	-12.8546	-15.815	-14.5108	-10.0967	-10.5634	-14.1555	-19.4537	-16.8923	-15.3367	-16.7409	-21.2141	-19.9598	-21.8231
105	3.960391	2.834493	2.148534	3.405059	2.974293	1.025149	1.050653	2.413878	2.126869	0.266078	-0.71222	0.064748	0.745556	-0.56022	-5.5594	-2.96748	-7.45035	-14.7449	-10.79706	-10.79706	-13.7576	-12.6879	-14.1175	-17.3855	-15.4885	-10.4801	-10.55	-12.7548	-20.9031	-19.9999	-16.9157	-16.3453	-21.1347	-14.71	-21.6834	
110	3.960391	2.913207	2.382471	3.718124	3.368726	1.530792	1.379037	2.221683	1.373193	-1.06813	-1.8063	-0.72005	0.704889	-1.25238	-5.89604	-4.10068	-5.66705	-14.1128	-11.2999	-9.2548	-13.6289	-17.1982	-13.0483	-15.9642	-17.4715	-18.8439	-12.3059	-11.5225	-12.0489	-18.8396	-23.2537	-20.6641	-16.7994	-20.909	-18.0692	-21.6338
115	3.960391	3.030647	2.630345	4.034374	3.848195	2.217795	1.937047	2.099964	0.815924	-2.04333	-3.03966	-1.41952	-0.88091	-4.7484	-5.84602	-12.6014	-10.9777	-9.98991	-13.9225	-15.9513	-13.7856	-17.4395	-15.8604	-19.8161	-14.1058	-13.3666	-12.729	-17.8396	-22.8036	-17.405	-20.6606	-18.7968	-21.6634	-21.6634		
120	3.960391	3.10312	2.88105	4.357652	4.358515	3.000026	2.44479	2.200904	0.86672	-1.74367	-3.14121	-2.38926	-1.89689	-4.28627	-7.7142	-6.05918	-6.75585	-12.5413	-12.1789	-14.2751	-14.6892	-14.6233	-19.912	-15.6476	-19.1557	-14.2743	-14.5658	-14.5522	-18.8547	-17.3541	-18.7135	-16.8389	-20.4256	-19.5588	-21.7558	
125	3.960391	3.208627	3.124639	4.639042	4.836749	3.866139	3.263055	2.847009	1.532072	-0.40897	-1.76768	-1.79617	-1.81198	-4.58556	-8.30355	-6.76756	-7.4961	-14.3197	-15.7839	-16.1528	-14.6673	-13.746	-15.1321	-20.1774	-15.4865	-20.7613	-15.0416	-14.4684	-15.8372	-19.3519	-15.3674	-15.8999	-16.4205	-20.1957	-20.2552	-21.8913
130	3.960391	3.317032	3.525889	4.870728	5.228592	4.578586	4.089985	3.560105	2.535291	-0.85002	-1.76708	-1.85063	-1.61462	-3.86236	-6.7008	-5.46074	-7.17471	-18.3869	-14.9022	-13.815	-17.1791	-18.3639	-14.8002	-13.815	-17.1791	-18.3639	-14.8002	-13.815	-17.1791	-18.3639	-14.8002	-13.815	-17.1791	-18.3639	-14.8002	

Raw data – ANT12 (6.475GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175			
0	4.394653	3.85321	2.752162	2.004124	1.288962	-0.5853	-2.44876	-3.98214	-5.08325	-6.30093	-7.16244	-7.89134	-7.27213	-5.07461	-4.06522	-2.5128	-4.92255	-8.8817	-4.13917	-49.7008	-9.91377	-8.16408	-7.93071	-10.2999	-16.2729	-13.347	-12.0425	-11.5335	-11.4794	-13.5127	-13.7718	-10.9841	-10.1513	-14.2624	-18.7612	-17.729			
5	4.394653	3.854826	2.681374	1.944781	1.836989	0.802885	-1.66465	-4.42249	-9.81461	-12.0093	-8.60532	-4.30797	-1.10942	-0.39962	-5.81143	-2.46481	-4.02066	-7.94927	-3.33197	-42.0206	-9.33197	-8.45655	-5.9996	-9.9211	-16.3618	-13.2534	-11.6356	-11.2795	-12.2163	-14.7668	-13.6863	-10.4794	-10.035	-14.5253	-17.9959	-17.5808			
10	4.394653	3.845828	2.614385	1.95537	2.391907	2.069252	-0.35394	-4.35638	-8.71732	-8.25963	-7.6323	-4.22942	-2.54345	-5.92427	-5.62071	-1.96332	-3.3011	-6.39529	-3.12263	-34.0097	-8.31344	-7.9112	-5.53	-8.63	-14.5724	-12.0688	-11.1791	-12.0911	-13.8633	-15.1	-13.207	-10.2831	-10.1759	-14.6998	-17.1618	-17.4972			
15	4.394653	3.829515	2.563286	2.036635	2.838487	2.964218	0.792586	-3.57568	-5.31407	-5.11236	-7.33203	-7.4696	-7.07392	-4.1248	-8.02387	-3.76363	-5.3639	-8.28956	-3.33196	-36.6021	-9.56455	-9.45312	-8.0953	-10.568	-14.7851	-13.2452	-12.7395	-14.3819	-15.0131	-14.1677	-13.1208	-10.5397	-10.5817	-14.716	-16.4127	-17.4693			
20	4.394653	3.798072	2.534255	2.179269	3.142128	3.450086	1.531105	-2.04232	-2.48551	-2.37601	-4.27043	-5.64087	-6.37969	-9.30872	-9.06872	-6.26399	-8.38087	-12.0595	-10.0609	-9.91223	-12.5899	-12.3957	-11.3794	-13.4285	-18.1805	-15.2299	-13.6565	-15.6375	-14.7881	-14.0359	-13.942	-11.3245	-11.1916	-14.5721	-15.8413	-17.521			
25	4.394653	3.762993	2.526548	2.367928	3.328624	3.592929	1.869494	-0.50002	-0.63474	-1.12858	-2.97036	-3.6772	-3.84134	-5.48493	-5.8167	-4.50381	-7.30945	-9.82073	-10.0609	-9.60257	-10.1076	-11.0176	-12.9787	-16.0083	-18.0212	-13.404	-12.9539	-12.6295	-14.1031	-14.8867	-15.9402	-16.3259	-12.5395	-11.8726	-14.3583	-15.4967	-17.6641		
30	4.394653	3.721782	2.533219	2.581333	3.448165	3.51509	1.902587	0.370931	0.334507	-0.62756	-2.47913	-2.85447	-2.60894	-5.41733	-4.2291	-2.98525	-5.98543	-8.46771	-5.79841	-6.26374	-10.1223	-11.3689	-10.4571	-11.0084	-12.8281	-12.0878	-12.3933	-13.6008	-16.6707	-21.2017	-20.4408	-13.7572	-12.8689	-14.2156	-15.4019	-17.9008			
35	4.394653	3.675422	2.543295	2.792415	3.57777	3.320303	1.78044	0.990613	1.088792	-0.288022	-1.90631	-0.94715	-0.723033	-2.4944	-1.08622	-1.06752	-7.70868	-5.65786	-6.76077	-12.7636	-12.3555	-10.569	-12.4536	-16.2218	-14.4747	-13.6884	-14.4683	-20.1061	-34.5077	-22.0227	-14.3927	-13.0291	-14.2725	-18.2535	-15.2535				
40	4.394653	3.624837	2.544646	2.972148	3.600348	3.085373	1.651084	1.455329	1.896507	1.270035	-0.1964	0.230203	1.453832	0.511275	-0.07711	-0.11161	-4.98322	-5.37649	-5.99673	-5.48051	-11.8675	-10.2473	-12.5356	-17.9863	-18.4178	-13.2992	-14.8326	-22.1193	-24.5207	-18.8993	-14.5291	-13.6799	-14.6034	-15.9645	-18.7041				
45	4.394653	3.570995	2.526708	3.006312	3.614178	2.795508	1.352914	1.650777	2.370493	1.659465	-0.24821	0.019185	1.490068	0.242122	0.35805	-0.636775	-1.17674	-8.1357	-3.97528	-4.93943	-12.3469	-10.0074	-12.4385	-16.7676	-13.9481	-11.6427	-14.4934	-21.4464	-20.8466	-16.9353	-14.9206	-14.6829	-15.2007	-16.5638	-19.2518				
50	4.394653	3.51501	2.482521	3.151619	3.561126	2.42309	0.887359	1.415356	2.65935	1.998826	-0.25836	0.20144	2.66446	0.72277	1.75555	-0.35601	-1.63401	-5.89684	-4.84879	-5.02456	-10.5749	-11.8915	-9.45329	-11.6742	-16.6136	-13.4795	-11.2992	-14.8309	-20.9192	-19.9081	-16.6626	-16.2977	-16.1599	-15.9441	-17.2663	-19.8812			
55	4.394653	3.458237	2.409871	3.138449	3.447599	2.026136	0.349519	0.92951	1.894223	1.696046	0.565552	0.451761	1.012692	-0.37959	-1.50123	-0.17945	-1.31987	-6.66948	-3.43154	-3.49036	-8.718	-11.2353	-8.8514	-10.3699	-14.6195	-13.4341	-11.6278	-14.7608	-19.3497	-19.7242	-17.8781	-19.1579	-17.8573	-16.6001	-17.9143	-20.5644			
60	4.394653	3.402335	2.311634	3.096984	3.304011	1.692739	0.063798	0.776427	1.93842	2.299267	1.70619	2.006977	1.70619	2.299267	1.31862	0.12665	-1.2537	-5.08085	-4.92069	-4.92069	-7.20955	-5.43204	-5.30119	-11.2629	-12.4387	-9.50268	-12.3958	-21.127	-16.5665	-10.0955	-10.7209	-16.3862	-16.8132	-17.4887	-20.3341	-19.3435	-17.1963	-18.1298	-22.4522
65	4.394653	3.349277	2.195454	2.966722	3.166744	1.517923	0.218597	1.250118	2.570399	3.051601	2.510323	2.985588	3.33702	0.517169	2.44129	0.79456	-2.27988	-6.60782	-4.95902	-4.98652	-10.2847	-11.1903	-8.75851	-10.6827	-16.7374	-14.379	-10.0545	-10.8051	-15.6055	-17.8202	-19.4901	-22.8434	-19.1038	-17.0693	-18.3723	-21.9085			
70	4.394653	3.301319	2.072936	2.854495	3.05825	1.491119	0.60844	1.931162	3.269201	3.57333	2.546391	2.718806	3.34924	0.994675	-2.1353	-1.04839	-2.43069	-7.20955	-5.43204	-5.30119	-11.2629	-12.4387	-9.50268	-12.3958	-21.127	-16.5665	-10.0955	-10.7209	-16.3862	-16.8132	-17.4887	-20.3341	-19.3435	-17.1963	-18.1298	-22.4522			
75	4.394653	3.260689	1.958414	2.757356	2.981046	1.524562	0.924677	2.365528	3.641043	3.82493	2.418816	1.736962	2.367673	0.623173	-1.2093	-0.11231	-1.81638	-7.24691	-5.49382	-5.36327	-11.5584	-15.1219	-11.352	-13.4197	-18.8302	-18.381	-10.6916	-11.3573	-18.5332	-16.9621	-16.4847	-19.8025	-20.866	-17.6169	-17.7569	-22.8431			
80	4.394653	3.230496	1.867356	2.696873	2.927764	1.535055	1.029318	2.445533	3.63507	3.825156	2.557595	1.42781	1.467681	0.66923	-2.45659	-0.92659	-2.66567	-5.35835	-7.0474	-6.753	-11.5818	-15.848	-11.7492	-12.5443	-16.9819	-16.3627	-10.2372	-10.7295	-17.8044	-17.8678	-16.6108	-12.0486	-24.9269	-18.4772	-17.4091	-23.0678			
85	4.394653	3.212445	1.814429	2.691075	2.890616	1.492897	0.956844	2.314389	3.415065	3.540628	2.565772	1.92901	1.821644	0.66923	-2.45659	-0.92659	-2.66567	-5.35835	-7.0474	-6.753	-11.5818	-15.848	-11.7492	-12.5443	-16.9819	-16.3627	-10.2372	-10.7295	-17.8044	-17.8678	-16.6108	-12.0486	-24.9269	-18.4772	-17.4091	-23.0678			
90	4.394653	3.208742	1.811411	2.753968	2.897212	1.417218	0.845394	2.224305	3.21342	3.029569	2.003665	1.832513	2.05741	0.132543	-0.30215	-2.44355	-6.34304	-7.08905	-6.5302	-11.3628	-13.341	-13.2621	-19.9467	-17.1651	-10.3716	-11.94174	-14.5088	-16.5276	-15.768	-18.5187	-24.7374	-21.4062	-17.1124	-23.147					
95	4.394653	3.220847	1.865303	2.892258	2.959534	1.366748	0.84526	2.312858	3.102273	2.433439	1.042865	0.798651	1.22446	-0.44348	-2.25583	-0.88097	-2.3712	-8.00876	-6.61978	-6.46955	-12.9222	-14.9149	-12.0746	-13.7047	-17.64	-17.5457	-10.8985	-10.6755	-14.6529	-16.3914	-15.2113	-16.3292	-20.261	-23.0137	-17.2129	-23.1083			
100	4.394653	3.249522	1.977162	3.105391	3.100944	1.41223	1.005189	2.485197	2.9312	1.755458	1.08672	-0.24002	0.019651	-0.24002	-0.37964	-1.01098	-9.29208	-7.3476	-7.54242	-14.5244	-13.384	-13.384	-16.5869	-13.2174	-16.4188	-15.6459	-10.5775	-10.8432	-14.1512	-17.7368	-16.014	-15.8531	-18.4116	-24.2346	-17.4857	-23.0809			
105	4.394653	3.294724	2.142063	3.381231	3.351086	1.610614	1.259097	2.562381	2.550492	0.848527	-0.59905	-0.53278	-1.07688	-2.73443	-3.3011	-2.53249	-4.64841	-13.94916	-9.58841	-9.05042	-14.6468	-20.586	-13.3915	-14.021	-17.2959	-16.107	-10.8364	-10.728	-12.8219	-19.0912	-18.7936	-17.2774	-18.1059	-24.8948	-17.9082	-23.0929			
110	4.394653	3.355568	2.530625	3.698515	3.702518	1.98973	1.552694	2.48511	1.982269	-0.29115	-1.68194	-0.86173	-1.16383	-2.5637	-3.9171	-3.52539	-6.69153	-14.3542	-11.4259	-9.77417	-14.987	-19.7145	-13.4082	-15.3475	-17.3731	-16.4188	-15.6459	-10.5775	-10.8432	-14.1512	-17.7368	-16.014	-15.8531	-18.4116	-24.2346	-17.4857	-23.0809		
115	4.394653	3.430358	2.589161	4.030511	4.124753	2.540636	1.99601	2.385591	1.444809	-1.29084	-2.85069	-1.73344	-1.03647	-3.21303	-6.32041	-4.95512	-6.08854	-12.7311	-11.9538	-10.6027	-14.1891	-17.2602	-13.8656	-17.0968	-16.3246	-20.0415	-13.5329	-12.8095	-13.0191	-17.7725	-26.1096	-23.5358	-19.0066	-24.6007	-19.1111	-23.2677			
120	4.394653	3.516692	2.845385	4.350304	4.568194	3.200631	2.496292	2.503439	1.286172	-1.43126	-3.09263	-2.90261	-2.64441	-3.06045	-7.82582	-6.35786	-6.08854	-12.7572	-13.7538	-10.6139	-14.9747	-19.4413	-13.6137	-13.9246	-15.0633	-16.3246	-20.0415	-13.5329	-12.8095	-13.0191	-17.7725	-26.1096	-23.5358	-19.0066	-24.6007	-19.1111	-23.2677		
125	4.394653	3.611619	3.106475	4.635635	4.978572	3.902165	3.2215	2.952927	1.667382	-0.54877	-1.88312	-1.64687	-1.62212	-4.52396	-8.22945	-6.47621	-6.06459	-14.0921	-15.6233	-16.3902	-15.5755	-15.9409	-16.3255	-20.4594	-16.1162	-21.4032	-14.5322	-14.1437	-16.5144	-19.3008	-16.7899	-16.8662	-17.9778	-23.0614	-20.4567	-23.5719			
130	4.394653	3.711816	3.310791	4.872067	5.311101	4.520619	3.988699	3.618526	2.50863	0.524682	-0.49609	-0.16721	-0.1151	-3.3075	-4.74032	-6.51022	-6.15211	-13.8055	-15.9761	-15.2134	-17.1032	-15.8605	-14.3625	-16.3603	-20.1431	-18.4947	-												

Raw data – ANT12 (6.525GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	
0	4.00968	3.63051	2.99602	1.91508	1.23736	-0.16153	-1.28665	-2.55049	-8.40593	-17.1708	-25.2117	-7.49035	-28.8332	-5.76009	-7.10338	-3.75992	-6.38823	-9.6327	-6.43343	-5.649	-10.4237	-8.59194	-8.63777	-12.8396	-15.9875	-13.7625	-13.1016	-12.4498	-12.0899	-14.5155	-14.5237	-11.751	-11.0687	-13.8877	-18.0714	-18.0684	
5	4.00968	3.66997	2.61195	1.92041	1.060818	1.006803	0.47673	-2.88604	-8.16716	-12.8777	-10.4987	-5.42333	-2.56192	-5.82602	-6.98067	-2.83502	-4.88234	-8.09242	-3.74075	-4.73409	-10.0741	-7.54667	-6.54161	-10.36	-17.2636	-13.8128	-12.6923	-12.3378	-12.9964	-15.087	-13.8796	-10.9931	-3.8644	-13.9552	-17.6649	-17.9722	
10	4.00968	3.69949	2.62769	1.92156	1.253877	2.15047	0.058283	-2.98524	-6.76004	-6.08825	-4.06812	-6.69	-9.9747	-2.52956	-3.07529	-3.3317	-6.9084	-3.76624	-3.70672	-4.1486	-12.0285	-11.3992	-12.6776	-14.1884	-14.9873	-13.9191	-10.669	-14.401	-14.041	-13.2657	-11.826	-13.6722	-17.826	-16.7322	-17.7721		
15	4.00968	3.70675	2.65293	2.02261	1.63143	3.01875	0.275327	-2.9917	-4.64804	-4.42589	-6.11158	-6.65326	-6.22264	-6.68012	-4.75983	-1.1824	-2.7296	-5.90914	-3.18984	-3.76265	-3.91292	-3.9002	-6.89458	-10.588	-15.108	-11.9597	-11.5611	-14.2762	-15.1083	-14.2737	-13.2657	-10.8385	-10.5419	-14.0408	-16.7323	-17.7721	
20	4.00968	3.70993	2.68691	2.15623	3.43036	3.53653	1.330217	-2.9237	-6.7043	-2.9577	-4.44863	-6.04445	-6.4678	-8.8175	-5.80758	-3.13636	-4.97953	-4.77469	-6.62446	-6.99081	-10.6468	-11.344	-9.99959	-11.9004	-16.0085	-10.1035	-12.1251	-14.9718	-14.4213	-14.1467	-11.4614	-10.904	-14.0411	-16.978	-17.7721		
25	4.00968	3.704107	2.73592	2.75402	3.659959	3.725218	1.61887	-2.5315	-14.2316	-1.49351	-3.31568	-4.17081	-4.53521	-6.53223	-5.02098	-3.4556	-6.9516	-4.8803	-6.56926	-6.75427	-10.3732	-12.0943	-10.2988	-10.2128	-12.5753	-11.8208	-11.4635	-13.2954	-15.40	-16.2125	-16.3028	-12.345	-11.333	-14.0773	-16.2326	-17.8666	
30	4.00968	3.69029	2.79959	3.47594	3.773702	3.662667	1.720745	-2.2536	-10.9192	-2.74738	-2.81287	-2.54732	-5.44888	-3.90248	-2.4568	-5.0871	-2.24408	-5.01806	-5.51657	-9.0767	-11.3909	-10.1284	-11.5488	-11.9782	-14.1287	-11.2856	-12.4214	-15.9727	-20.363	-16.9065	-13.1046	-11.783	-14.2453	-16.2628	-12.8223		
35	4.00968	3.66002	2.844394	3.18182	3.814202	3.64579	1.731619	-0.5534	-10.52949	-0.342	-1.6386	-0.70329	-1.07531	-2.6261	-3.28666	-4.0809	-2.4266	-7.12908	-5.1121	-6.1635	-11.295	-11.959	-10.2488	-11.8385	-13.2539	-13.7776	-12.5309	-12.9545	-18.8787	-27.021	-21.0495	-13.4244	-12.3273	-14.636	-16.855	-18.2489	
40	4.00968	3.641392	2.88929	3.35796	3.812839	3.104794	1.616741	0.121303	-14.7718	0.544916	0.054099	1.712167	0.070576	-1.20646	-0.24028	-2.00414	-5.52068	-4.0843	-5.9883	-11.5917	-12.741	-10.269	-12.7026	-18.362	-16.327	-13.2293	-13.8108	-14.6607	-24.953	-35.701	-31.5514	-14.252	-15.208	-16.802	-18.588		
45	4.00968	3.60709	2.90499	3.487454	3.78143	2.81481	1.342399	1.54438	-1.117636	-0.48142	0.62809	2.05219	0.62802	-0.38604	0.545421	-1.25027	-5.1514	-3.91546	-4.82812	-1.301	-12.1951	-10.1632	-12.6129	-16.8121	-14.8	-12.1316	-11.9551	-18.8356	-20.9751	-36.025	-33.97	-42.481	-16.132	-17.306	-18.8785		
50	4.00968	3.59094	2.89746	3.5628	3.75325	2.94994	1.045119	2.34557	1.390134	-0.71757	0.96776	1.509248	0.62215	-1.19653	-0.32028	-1.43547	-5.75977	-4.79104	-4.7004	-10.2002	-11.8091	-9.9573	-11.5858	-15.5804	-13.7701	-11.4704	-13.895	-19.497	-29.209	-16.5025	-15.399	-33.649	-19.977	-16.838	-19.774		
55	4.00968	3.526161	2.85627	3.58229	3.675946	2.10439	0.5607	1.88054	1.572102	0.07408	0.13018	1.26104	0.05057	-0.90027	0.28514	-0.09609	-4.4364	-3.189	-3.2273	-6.87173	-11.4099	-8.84759	-10.2175	-14.5463	-15.3844	-11.5643	-14.968	-18.605	-18.8094	-17.2158	-18.1372	-14.8	-17.778	-17.85	-19.622		
60	4.00968	3.48028	2.78176	3.551923	3.66136	1.92953	-0.1812	1.87631	1.897307	1.37528	1.78458	-0.16917	-0.9086	-0.708	-0.34	-1.809	-4.227	-2.85654	-0.8996	-10.7965	-8.48176	-14.1822	-16.7747	-14.4168	-16.808	-18.566	-19.01	-25.606	-19.921	-17.777	-17.736	-19.979	-17.736	-19.979	-18.562		
65	4.00968	3.43319	2.68033	3.53409	3.58515	1.67489	-0.4182	1.77459	2.044852	2.044852	2.044852	-0.4182	-0.4182	-0.4182	-0.4182	-0.4182	-0.4182	-0.4182	-0.4182	-0.4182	-0.4182	-0.4182	-0.4182	-0.4182	-0.4182	-0.4182	-0.4182	-0.4182	-0.4182	-0.4182	-0.4182	-0.4182	-0.4182	-0.4182	-0.4182		
70	4.00968	3.38074	2.55415	3.39051	3.60993	1.23361	0.83097	1.72582	2.86027	3.12019	2.22584	2.70437	3.50128	1.19062	-1.8166	-0.3794	2.3074	7.3443	4.9959	8.189	-11.7024	-11.699	-8.5756	-11.91	-20.521	-15.867	-3.8951	-19.549	-17.929	-16.27	-40.7	8.835	-8.2692	-16.575	-16.978		
75	4.00968	3.34287	2.49143	3.29108	3.6167	0.23365	1.44583	2.96709	3.68837	3.22529	2.2001	2.96118	1.20795	-0.8731	0.12566	-1.7796	4.404	1.6024	4.9142	-11.7024	-11.3997	-10.405	-14.3329	-20.888	-10.287	-10.568	-10.502	-16.914	-15.628	-14.845	-19.71	-11.7	-16.878	-16.572	-16.704		
80	4.00968	3.30932	2.37569	3.20266	3.60137	2.40664	1.74052	2.98983	3.88577	3.96673	2.62331	3.71739	2.8554	0.167842	-1.705	-0.34852	-2.9104	-1.2932	-6.42475	-0.4019	-15.8629	-11.8227	-12.9089	-10.1402	-17.4648	-10.2077	-10.2225	-16.7297	-11.7	-16.2515	-20.022	-21.8573	-17.043	-16.301	-20.935		
85	4.00968	3.27258	2.27849	3.14569	3.57185	2.02762	1.69425	2.79938	3.73906	3.73906	2.69269	2.109159	2.8584	-0.09188	-3.76082	-0.34511	-7.6396	-2.1614	-6.0083	-7.5023	-11.9237	-10.6402	-12.685	-12.391	-10.9611	-16.3909	-7.5753	-13.9091	-17.801	-17.8552	-16.5025	-21.9621	-19.619	-16.15	-20.873		
90	4.00968	3.23155	2.25479	3.14142	3.55122	2.29964	1.46076	2.51439	3.63745	3.92607	2.18540	2.02149	2.61265	0.42559	-3.11973	-2.4164	-4.17186	-4.8469	-7.60485	-6.7708	-11.6159	-13.3494	-10.3469	-13.2646	-12.9002	-10.6602	-7.9767	-14.4335	-16.6794	-22.009	-24.309	-24.809	-20.7287	-16.1424	-21.282		
95	4.00968	3.23436	2.06743	3.20788	3.56358	1.228631	1.271235	2.5439	3.11454	2.60402	1.2961	1.16374	1.82185	0.95899	-3.28802	-1.0261	-2.9483	-7.8927	-6.6545	-6.1167	-12.1038	-15.0598	-11.8616	-13.817	-19.397	-11.4138	-11.1168	-14.5142	-16.3381	-11.012	-16.9239	-21.2977	-27.478	-16.272	-20.472		
100	4.00968	3.24993	2.04824	3.24508	3.54038	0.222622	1.222622	1.28732	2.40287	2.90776	1.97714	0.48567	0.06152	0.47837	-1.52068	-3.33084	-1.08051	-2.6823	-6.9446	-6.79843	-6.5785	-13.4919	-17.9439	-13.0226	-13.4226	-16.1582	-16.8895	-11.2537	-11.431	-14.8006	-17.2251	-15.514	-16.2881	-17.968	-23.927	-16.5316	-21.939
105	4.00968	3.26044	1.77882	3.57416	3.85062	1.222622	1.90711	2.53308	2.96785	1.20861	-0.27583	-0.47903	-0.38616	-5.0674	-1.28121	-2.4938	-12.6248	-11.7705	-8.1272	-15.1698	-19.9555	-13.3926	-13.754	-16.671	-16.7795	-11.0594	-10.7605	-12.7607	-17.9002	-24.975	-16.919	-16.919	-16.919	-16.919	-16.919		
110	4.00968	3.30481	2.31923	3.84932	4.51304	2.52171	1.7908	2.96622	3.22934	-1.37528	-0.93351	-0.43732	-7.0455	-5.98169	-3.8557	-5.6734	-14.5609	-13.391	-9.9818	-15.320	-20.4518	-15.324	-14.9447	-17.245	-19.763	-11.9975	-10.8475	-11.6665	-17.0587	-22.1871	-20.8039	-21.42	-25.768	-17.4205	-22.661		
115	4.00968	3.35475	2.49623	4.14028	4.53489	2.98718	2.57165	3.62739	3.10612	-0.6396	-2.57025	-1.76315	-1.02836	-3.21627	-6.5785	-3.1257	-6.3279	-13.8383	-12.3564	-11.6399	-14.9164	-18.6677	-14.3916	-17.3655	-16.3818	-10.9622	-10.9622	-11.9663	-12.6314	-16.864	-20.651	-22.974	-22.561	-27.77	-17.087	-22.661	
120	4.00968	3.41701	2.71479	4.42026	4.93094	3.57096	2.70023	2.79455	3.8648	-0.84648	-2.91875	-2.28609	-1.68705	-4.0842	-7.7716	-6.5212	-6.88164	-13.941	-14.934	-14.187	-14.934	-15.7129	-22.107	-16.3272	-19.7299	-13.2026	-13.2026	-14.1283	-17.8701	-21.5473	-18.768	-24.648	-18.8042	-20.884			
125	4.00968	3.48599	2.94849	4.706315	5.29414	4.18709	3.36718	3.1175	2.086246	-0.28873	-1.9087	-1.39213	-0.90795	-7.3226	-7.5714	-6.3712	-6.46749	-14.241	-14.2239	-14.5407	-15.7495	-16.454	-16.9466	-16.878	-17.5245	-20.3909	-14.163	-17.466	-16.1186	-18.3504	-17.5435	-16.0554	-20.372	-26.529	-19.637	-21.681	
130	4.00968	3.56091	3.09601	4.92486	5.56079	4.72488	4.08036	3.82265	2.62737	0.21828	-0.65151	0.11419	0.56287	-2.0246	-5.72449	-3.77372	-5.1702	-13.8793	-11.2411	-13.2492	-16.0062	-17.0155	-17.2785	-14.2821	-14.0256	-16.7375	-19.578	-14.5674	-16.2075	-17.3421	-16.1888	-15.0613	-19.559	-24.949	-20.963	-21.805	
135	4.00968	3.65218	3.42919	5.04361	5.70709	5.14904	4.71057	4.48749	3.26491	1.10685	-0.0566	0.93248	1.28248	-1.28248	-3.8515	-2.07029	-3.9191	-12.212	-16.2026	-11.4237	-14.569	-16.7421	-18.9209	-14.2001	-14.9995	-16.6624	-24.2148	-18.8481	-16.984	-17.175	-16.099	-15.1254	-19.005	-22.805	-21.298	-23.974	
140	4.00968	3.73518	3.65549	5.12494	5.87011	5.31975	5.18827	5.01675	3.58999	1.524115	0.40746	0.92734	1.27118	-1.48808	-2.7994	-1.07087	-2.36																				

Raw data – ANT12 (6.695GHz)

Index	Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
0	53.1332	3.636204	2.196493	1.887257	1.207735	-0.67945	-2.40503	-3.49712	-10.646	-12.732	-9.76775	-7.61324	-5.65103	-7.94471	-62.7283	-3.70878	-5.76433	-8.09061	-4.66625	-9.52358	-9.54157	-8.84576	-8.23406	-11.4127	-14.5665	-12.9947	-12.6882	-12.349	-14.2214	-14.7111	-16.9032	-14.6082	-13.1255	-14.9288	-18.6658	-20.4908	
5	53.1332	3.745192	2.236545	1.680697	1.679654	0.305881	-1.869634	-7.1144	-10.6142	-11.5944	-12.0942	-8.57723	-5.62697	-8.52794	-7.40094	-4.33944	-6.1238	-8.09306	-5.11304	-6.20787	-10.027	-8.15861	-8.16766	-10.9014	-15.4146	-13.8879	-12.4832	-11.8711	-12.2749	-15.9847	-16.1403	-14.0769	-12.8947	-14.7686	-18.0971	-20.1733	
10	53.1332	3.847663	2.265465	1.155229	2.318365	1.256519	-0.75874	-4.71509	-9.17701	-11.4946	-15.1078	-11.4718	-9.23253	-5.55255	-4.31116	-2.0052	-1.41572	-5.64539	-3.11604	-4.67085	-9.3804	-7.98406	-6.5196	-9.40915	-14.3478	-12.2656	-10.9089	-11.9491	-14.2249	-12.2232	-15.6287	-13.7644	-12.6705	-14.4785	-18.5277	-19.7173	
15	53.1332	3.942994	2.584772	2.364057	2.973971	2.565133	0.536681	-1.82103	-5.45181	-8.10878	-19.4774	-7.45439	-4.32037	-5.67615	-3.76325	-1.42938	-3.78943	-6.8138	-3.94299	-4.5968	-7.84923	-16.2684	-7.1999	-10.4077	-13.6592	-13.3774	-12.1733	-11.0388	-13.2525	-14.9898	-15.5459	-15.7529	-13.6044	-12.7463	-14.0014	-17.0748	-19.9165
20	53.1332	4.0380823	2.714605	2.578001	3.416964	3.169494	1.067989	-2.50529	-2.29935	-4.10827	-18.5219	-7.71999	-5.27875	-6.04859	-3.58458	-1.34386	-5.91034	-6.89405	-4.71139	-11.075	-11.075	-11.075	-11.075	-11.075	-11.075	-11.075	-11.075	-11.075	-11.075	-11.075	-11.075	-11.075	-11.075	-11.075	-11.075	-11.075	
25	53.1332	4.110799	2.814248	2.757538	3.719046	3.604123	1.422532	-0.98948	-0.94178	-1.99059	-5.04394	-4.39831	-2.90844	-3.52441	-3.00927	-2.15189	-6.61609	-7.56942	-5.89859	-5.98899	-7.97079	-11.5442	-9.9149	-10.1547	-12.9263	-12.8764	-12.6444	-13.4429	-13.7826	-15.5445	-16.6771	-13.6863	-12.1892	-13.3685	-19.9467	-20.2508	
30	53.1332	4.183541	2.942545	2.945621	3.871468	3.730224	1.757024	-1.98948	-0.94109	-1.63905	-4.31086	-2.77515	-1.9689	-1.58454	-1.64647	-1.17781	-2.46261	-4.71219	-2.76928	-3.4024	-7.7687	-12.3321	-9.96436	-8.59325	-11.078	-10.309	-11.4292	-12.1401	-14.7282	-17.7041	-18.0887	-12.1592	-13.4739	-17.4403	-20.6709		
35	53.1332	4.248364	3.060393	3.091347	3.929567	3.764329	1.909731	-0.74284	-0.84163	-1.28085	-3.25111	-1.5233	-1.03173	-2.17455	-1.52063	-1.11462	-2.93898	-4.81809	-2.7161	-3.99597	-8.01618	-17.9334	-8.00892	-6.66979	-13.3752	-12.4607	-11.9604	-12.2903	-16.9203	-22.2126	-18.6005	-13.7522	-12.3105	-13.9989	-18.4465	-21.2764	
40	53.1332	4.305971	3.165313	3.218329	3.992125	3.766661	2.246324	-0.47849	-0.22714	-1.01298	-2.84232	-0.878597	-1.800828	-1.09435	-1.12053	-0.219001	-1.59027	-5.39394	-3.36045	-4.34099	-10.9875	-11.9618	-8.5218	-10.6062	-16.923	-13.4271	-11.8514	-13.0894	-20.0387	-25.6517	-17.2168	-12.2292	-12.8308	-15.0002	-20.1411	-22.7263	
45	53.1332	4.356688	3.219753	3.30806	3.90326	3.69023	2.682262	-0.24632	-0.19454	-0.73026	-2.79459	-0.672847	-2.42503	-0.93859	-1.285454	-0.297	-1.461819	-3.31425	-3.59037	-3.17178	-10.3335	-10.792	-8.28523	-10.9899	-16.783	-14.6519	-13.7468	-13.4686	-19.9101	-20.2528	-15.0888	-12.9714	-13.735	-14.751	-22.8327	-23.0761	
50	53.1332	4.41007	3.262853	3.43015	3.862559	3.484132	2.81446	1.27145	1.968847	1.03805	0.800153	1.496261	3.00906	0.92679	0.70642	0.57139	-1.73146	-5.7889	-4.6047	-4.5249	-10.2931	-9.8458	-8.54126	-11.8165	-17.9145	-14.7592	-11.5565	-13.508	-17.3307	-17.107	-13.9351	-12.652	-15.034	-18.7671	-24.5252		
55	53.1332	4.439705	3.301868	3.51646	3.81377	3.318202	2.259758	1.040823	2.066532	1.10558	1.781244	2.121547	0.981931	0.83859	0.02985	-1.53499	-6.60619	-4.75913	-4.0059	-10.5381	-12.1006	-7.57376	-9.5761	-16.265	-14.011	-11.2932	-13.4564	-16.6943	-16.2571	-14.0491	-14.6452	-16.9116	-20.0285	-25.5355			
60	53.1332	4.473658	3.339937	3.590794	3.776683	2.73534	1.448525	1.048623	1.225796	1.195388	1.438111	2.161676	0.768302	0.382331	1.262594	-1.15279	-3.05186	-4.0879	-3.79663	-10.8793	-12.7536	-9.79256	-9.3169	-15.4584	-13.6526	-10.9395	-12.7242	-16.3601	-16.5041	-15.2012	-15.9777	-16.4005	-19.2412	-25.216	-26.7486		
65	53.1332	4.493988	3.403988	3.641444	3.641444	2.73534	1.448525	1.048623	1.225796	1.195388	1.438111	2.161676	0.768302	0.382331	1.262594	-1.15279	-3.05186	-4.0879	-3.79663	-10.8793	-12.7536	-9.79256	-9.3169	-15.4584	-13.6526	-10.9395	-12.7242	-16.3601	-16.5041	-15.2012	-15.9777	-16.4005	-19.2412	-25.216	-26.7486		
70	53.1332	4.51177	3.332883	3.714404	3.838142	2.52142	1.022007	0.887807	1.500481	2.876807	1.104343	1.640005	1.20130	-0.31775	2.03812	-4.11626	-3.82788	-5.2535	-4.2535	-12.394	-12.6786	-10.6227	-10.449	-15.8363	-14.9052	-10.0082	-8.5837	-10.405	-14.952	-16.0347	-16.2404	-17.8985	-18.2777	-22.775			
75	53.1332	4.558538	3.38191	3.769863	3.948676	2.75124	1.61055	1.901601	2.70046	2.47545	1.11459	0.616562	1.276834	0.000585	-2.1715	-1.9886	-3.7831	-7.9464	-3.6088	-5.7793	-12.2077	-14.6105	-10.2418	-11.748	-19.2888	-16.469	-14.2924	-17.8029	-19.4138	-14.340	-16.0011	-16.0477	-16.5285	-17.121	-22.775		
80	53.1332	4.585665	3.397931	3.82341	4.07848	2.99025	2.76769	2.7886	3.00533	2.229157	0.94679	1.7103	0.654328	-0.7678	-2.0898	-0.95956	-3.07588	-5.6969	-5.7379	-11.809	-14.6586	-10.344	-11.5175	-17.8077	-16.6993	-14.012	-14.7995	-20.05	-17.0091	-14.6634	-16.8413	-17.8492	-18.5434	-19.5239	-26.8457		
85	53.1332	4.616166	3.429933	3.880142	4.195931	3.23075	2.75366	3.336294	3.312507	2.88801	1.188842	1.10183	1.21851	-1.2076	-3.86985	-2.07369	-3.6443	-6.16849	-6.7768	-9.9576	-13.0761	-14.9757	-10.6504	-12.6278	-13.3158	-16.7685	-19.0417	-10.1539	-15.0884	-19.2761	-10.0555	-17.2646	-20.6011	-15.9679	-15.752	-24.167	
90	53.1332	4.646778	3.28599	3.941233	4.296988	3.358792	2.99406	3.647039	3.46417	2.24808	1.230457	1.60339	2.053848	-0.59767	-4.0056	-2.83077	-1.81056	-1.1267	-8.65978	-8.70702	-13.3079	-15.7193	-11.364	-14.342	-14.7933	-16.1557	-10.7219	-9.9437	-16.0068	-18.9586	-14.4734	-15.6292	-23.5639	-16.7658	-14.7669	-25.7437	
95	53.1332	4.68375	3.269601	4.013843	4.378583	3.585802	3.037287	3.317081	3.9404	1.998394	1.659833	1.054629	1.684546	-0.8128	-4.2514	-3.2038	-3.59081	-1.0548	-2.8902	-4.4766	-13.1374	-16.7173	-12.2121	-13.8508	-16.9899	-16.4427	-14.024	-14.7064	-16.0508	-17.4439	-13.6356	-16.0499	-22.251	-19.8786	-14.6319	-25.402	
100	53.1332	4.725364	3.372224	4.106243	4.605037	3.336624	2.984371	3.628052	1.813247	1.8417	1.05073	-0.08873	0.1236569	-2.93765	-4.97159	-2.57312	-3.97028	-10.9259	-7.54386	-8.5588	-14.7362	-16.8505	-12.681	-13.7146	-18.2185	-17.9616	-13.2381	-11.598	-14.802	-16.7648	-13.7859	-14.5956	-20.815	-19.1666	-14.7227	-25.5277	
105	53.1332	4.773347	3.440424	4.265757	4.556795	3.233371	2.919371	3.548524	2.87107	0.951033	-0.46289	-0.68253	-0.90627	-3.71222	-6.38993	-3.95965	-3.42703	-10.2675	-7.97902	-12.5717	-13.3753	-16.7127	-12.6835	-13.7316	-17.1191	-19.994	-12.3855	-11.41002	-12.9663	-16.3572	-15.1371	-16.2086	-19.3862	-20.244	-13.0036	-23.834	
110	53.1332	4.827449	3.500486	4.380624	4.702691	3.376292	2.891916	3.327594	2.524285	-0.315213	-1.11906	-0.9081	-1.21254	-3.96689	-7.03865	-5.146	-2.6497	-12.0531	-9.16927	-10.7877	-17.5013	-14.7344	-13.0654	-14.9689	-16.7331	-22.5181	-13.0888	-11.2165	-12.1421	-16.1882	-17.3689	-18.2842	-19.7207	-21.0434	-15.478	-24.91	
115	53.1332	4.887337	3.636999	4.568514	4.926401	3.556623	2.694589	3.182785	2.187755	-0.513	-2.09116	-1.5796	-1.4497	-3.817	-6.62062	-5.2341	-3.6012	-13.2222	-10.3448	-15.8555	-15.2434	-18.8341	-14.332	-16.0887	-17.236	-22.36	-13.8733	-12.0458	-12.9429	-17.3932	-15.2187	-18.368	-19.4872	-21.1475	-16.0345	-27.3604	
120	53.1332	4.952118	3.684065	4.783988	5.206177	3.887214	3.152703	3.165402	1.976502	-0.7022	-2.85558	-2.19761	-1.467	-3.82248	-6.61181	-5.43871	-6.08254	-11.5452	-10.878	-12.417	-13.7292	-17.9829	-15.5202	-19.8198	-18.3473	-20.9582	-14.2309	-13.5572	-15.1504	-10.1361	-16.826	-17.365	-19.9065	-21.236	-16.7481	-28.5852	
125	53.1332	5.020394	3.801049	4.705295	5.22008	4.341955	3.451545	3.319852	2.01848	-0.5653	-2.68626	-1.3301	-0.9277	-3.56956	-6.02055	-4.20011	-6.06251	-11.437	-13.717	-14.96523	-11.0809	-14.387	-16.9829	-15.4875	-17.8198	-18.1959	-20.345	-15.23	-14.6672	-16.3028	-19.2393	-16.6485	-16.268	-20.1	-16.073	-17.5777	-29.776
130	53.1332	5.090317	4.21466	5.25711	5.84810	4.849749	4.10268	3.886307	2.614195	0.123544	-1.72246	-0.81834	-0.804208	-2.98385	-5.4911	-2.69931	-4.07682	-11.1046	-8.12433	-10.95	-17.3797	-18.9509	-15.8666	-12.8753	-15.6942	-17.2225	-14.803	-15.193	-15.45	-16.4082	-15.5416	-16.2255	-21.0389	-19.3183	-18.5193	-31.0452	
135	53.1332	5.159685	4.45765	5.493131	6.138123	5.31404	4.67745	4.466367	3.30828	0.91997	-0.5355	-0.24046	-0.530006	-2.4066	-4.60521	-2.049																					

Raw data – ANT12 (6.875GHz)

Theta/Psi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
0	5.574416	3.918849	2.932162	3.459632	2.425579	-0.06989	-2.38263	-3.8086	-9.86116	-8.70708	-7.68798	-8.39316	-4.18827	-6.03454	-8.26262	-3.17409	-4.91097	-9.84675	-4.58254	-6.22017	-12.2828	-7.64826	-7.45764	-12.7869	-13.0222	-10.1749	-10.6366	-13.5124	-13.382	-13.3754	-14.6325	-14.4428	-16.0433	-19.3967		
5	5.574416	4.003281	2.977723	3.305974	2.828287	-0.41149	-3.16907	-5.5801	-9.44639	-7.10438	-8.92581	-7.46324	-4.06165	-6.03454	-8.26262	-3.17409	-4.91097	-9.84675	-4.58254	-6.22017	-12.2828	-7.64826	-7.45764	-12.7869	-13.0222	-10.1749	-10.6366	-13.5124	-13.382	-13.3754	-14.6325	-14.4428	-16.0433	-19.3967		
10	5.574416	4.206378	3.047289	3.159405	2.512951	0.050707	-2.97555	-6.02374	-7.04642	-5.76778	-8.82553	-5.54084	-2.01688	-4.76764	-6.02728	-2.36882	-5.19061	-11.8088	-5.89588	-5.8651	-12.141	-9.43833	-9.25228	-15.1714	-18.3271	-16.1427	-16.3557	-13.3095	-12.7272	-14.2176	-16.2862	-18.5801	-20.1537	-20.1654		
15	5.574416	4.368627	3.139007	3.0489	2.542378	0.522995	-2.07471	-4.70778	-4.2138	-4.96847	-6.64563	-2.09116	-0.32775	-2.77579	-3.1693	-1.07449	-4.03391	-8.39516	-4.66388	-4.99114	-10.753	-9.51307	-10.1361	-17.921	-13.4905	-15.5037	-14.3667	-16.295	-19.9129	-16.1327	-12.5466	-12.6355	-14.7085	-16.2517	-18.2516	
20	5.574416	4.481618	3.250705	2.997625	2.570066	0.899289	-1.77007	-2.89028	-2.55008	-3.70503	-4.46319	-1.08941	0.07737	-2.63341	-3.19286	-1.75589	-5.29257	-13.2853	-5.11784	-6.24557	-13.8541	-12.3872	-12.6466	-19.7736	-17.3709	-16.3401	-14.5889	-18.582	-19.9459	-12.0716	-12.5508	-16.1171	-18.0136			
25	5.574416	4.608454	3.370255	3.013205	2.618194	1.123205	-0.26888	-1.50837	-0.54873	-0.93349	-2.78444	-0.9902	0.61159	-1.89927	-3.53796	-1.80154	-2.77704	-10.09337	-5.66459	-6.96075	-12.951	-11.6911	-10.2423	-12.8078	-17.6193	-17.3502	-14.0958	-15.0305	-21.0368	-19.7437	-13.7926	-12.5278	-14.1261	-16.4387	-15.9535	-17.8867
30	5.574416	4.725398	3.489464	3.085259	2.695124	1.213806	-0.46435	-0.78566	-0.49064	-1.02203	-1.78821	-0.28662	1.64567	-1.66363	-1.66437	-0.251829	-1.82989	-13.25337	-6.25627	-4.33564	-9.91814	-8.20681	-7.53962	-11.6412	-14.5732	-11.9945	-11.5535	-15.6212	-17.5446	-13.7696	-14.237	-15.547	-16.8443	-15.8428	-17.8876	
35	5.574416	4.830948	3.596369	3.191235	2.808996	1.275457	-0.46856	-0.54928	-0.800523	0.522288	-1.39393	-0.34208	1.351592	-0.76793	-1.35306	0.991679	-1.46502	-5.55857	-1.9661	-3.45746	-9.80846	-7.41562	-6.76354	-11.7286	-14.2336	-10.5941	-11.0035	-15.7963	-18.9528	-16.8397	-15.2472	-16.8126	-15.693	-16.5689	-15.8741	-18.0307
40	5.574416	4.923985	3.680616	3.305248	2.968447	1.444137	-0.3136	-0.33423	-0.214999	-1.51159	-0.12093	-0.04957	1.593034	-0.57031	-0.24864	0.677626	-1.29862	-7.37559	-7.35969	-6.06231	-8.3028	-7.2663	-6.76354	-11.7286	-14.2336	-10.5941	-11.0035	-15.7963	-18.9528	-16.8397	-15.2472	-16.8126	-15.693	-16.5689	-15.8741	-18.0307
45	5.574416	5.004362	3.734063	3.404529	3.166389	1.771095	0.152426	0.176314	0.204755	2.887462	1.557511	0.934729	2.164571	0.196641	-2.44664	0.443899	-1.21448	-7.19564	-2.84971	-3.39322	-11.7664	-9.53727	-7.65339	-11.9972	-16.5809	-11.6853	-11.047	-12.7272	-15.3408	-17.7667	-18.6096	-14.8497	-13.3435	-16.0037	-16.6849	-18.7972
50	5.574416	5.071814	3.751552	3.472352	3.373503	2.167735	0.751855	0.763511	0.625617	3.438066	2.038969	0.927874	1.5645	-0.65575	-3.29119	-4.04319	-2.0055	-8.48732	-3.71662	-4.38382	-13.4625	-10.7322	-8.08276	-12.1351	-17.5532	-11.4117	-10.6678	-13.0136	-15.8399	-17.3072	-15.9274	-13.31	-13.3013	-16.6254	-17.5852	-19.4481
55	5.574416	5.127056	3.731307	3.499365	3.549719	2.489398	1.221466	1.111978	2.537156	2.893059	1.21955	0.104824	0.842592	-1.28264	-4.94495	-1.56208	-2.77643	-9.51156	-4.31412	-4.71984	-14.7998	-10.3849	-7.9131	-12.6209	-20.3147	-17.9467	-10.8503	-14.6786	-17.2942	-16.0023	-14.1766	-13.9002	-14.6575	-18.0807	-18.8353	-20.2964
60	5.574416	5.171199	3.675181	3.485078	3.666563	2.641866	1.440195	1.216072	2.114806	2.093808	0.473996	-0.23171	1.365384	0.065116	-2.86812	-0.35579	-1.6627	-8.25858	-3.15004	-3.68026	-14.5004	-9.07237	-7.25266	-11.9138	-19.9024	-11.5318	-9.98077	-14.4067	-17.3033	-15.2259	-14.0173	-15.1868	-17.9766	-20.066	-20.3069	-21.3546
65	5.574416	5.208515	3.588787	3.439704	3.724426	2.630299	1.442788	1.2728	2.020742	2.251916	1.168247	0.475359	1.835254	0.160412	-1.8463	0.870334	-0.87172	-7.53628	-2.6279	-3.33321	-13.3097	-8.39	-6.8814	-12.1594	-19.9004	-10.5995	-9.08688	-13.2879	-17.3773	-14.8842	-14.5797	-18.5498	-25.2967	-20.9692	-21.5632	-22.6265
70	5.574416	5.232865	3.481515	3.385058	3.756573	2.501461	1.361254	1.418206	2.337724	2.968588	1.144752	1.210959	1.823014	-1.16492	-4.4797	-0.40453	-2.02669	-8.50319	-3.42091	-4.00837	-13.482	-8.22473	-7.15338	-14.6411	-11.0516	-11.0298	-9.53493	-13.8249	-18.3157	-13.4739	-14.3745	-21.1998	-31.3842	-19.5013	-21.8992	-24.0877
75	5.574416	5.2546	3.366234	3.325217	3.818713	2.41362	1.357554	1.639373	2.606287	3.289705	2.380527	1.20468	1.744581	-0.04089	-7.82662	-3.61212	-2.40063	-1.1959	-5.53431	-5.72077	-15.1676	-9.68728	-8.78643	-17.7748	-22.3522	-12.6098	-10.4531	-14.5382	-16.8818	-11.6402	-13.7687	-20.9627	-22.0875	-17.4525	-21.1639	-25.6399
80	5.574416	5.273444	3.258456	3.376417	3.966022	2.480431	1.541085	1.889499	2.569269	3.036229	1.887161	2.03732	1.036443	-1.07723	-5.33703	-12.9954	-5.75215	-6.41498	-14.1569	-13.1254	-13.1254	-13.1254	-13.1254	-13.1254	-13.1254	-13.1254	-13.1254	-13.1254	-13.1254	-13.1254	-13.1254	-13.1254	-13.1254	-13.1254	-13.1254	
85	5.574416	5.291853	3.174743	3.48354	4.226576	2.754026	1.911165	2.144758	2.298468	2.38441	1.119952	-1.14562	-0.360337	-1.67344	-4.78467	-2.14283	-3.28901	-1.1967	-7.13114	-6.1392	-3.396	-13.3182	-9.34268	-13.2979	-22.2781	-11.6838	-9.78295	-12.6871	-15.0868	-11.4395	-15.9771	-24.2243	-17.7348	-15.1636	-18.9001	-27.8755
90	5.574416	5.312162	3.130431	3.683171	4.587866	3.19197	2.384223	2.429537	2.035333	1.692412	0.507378	-1.19683	-1.36842	-2.96939	-4.74462	-2.14283	-3.28901	-1.1967	-7.13114	-6.1392	-3.396	-13.3182	-9.34268	-13.2979	-22.2781	-11.6838	-9.78295	-12.6871	-15.0868	-11.4395	-15.9771	-24.2243	-17.7348	-15.1636	-18.9001	-27.8755
95	5.574416	5.336421	3.137138	3.683171	4.587866	3.19197	2.384223	2.429537	2.035333	1.692412	0.507378	-1.19683	-1.36842	-2.96939	-4.74462	-2.14283	-3.28901	-1.1967	-7.13114	-6.1392	-3.396	-13.3182	-9.34268	-13.2979	-22.2781	-11.6838	-9.78295	-12.6871	-15.0868	-11.4395	-15.9771	-24.2243	-17.7348	-15.1636	-18.9001	-27.8755
100	5.574416	5.360243	3.200828	4.298837	5.428318	4.178044	3.296013	2.998362	2.005943	1.074325	-0.31557	-1.25131	-0.23054	-2.16458	-5.50715	-7.44831	-4.24565	-11.6722	-13.2675	-13.2675	-13.2675	-13.2675	-13.2675	-13.2675	-13.2675	-13.2675	-13.2675	-13.2675	-13.2675	-13.2675	-13.2675	-13.2675	-13.2675	-13.2675	-13.2675	
105	5.574416	5.402675	3.321158	4.656873	5.813278	4.567331	3.631094	3.219769	2.072089	0.873865	-0.53863	-1.48716	-1.06621	-2.83797	-6.44427	-3.79914	-6.7721	-12.1005	-7.29041	-8.1574	-19.4622	-20.2475	-11.401	-10.0464	-25.1096	-17.1962	-8.22745	-9.74676	-14.2072	-13.2524	-10.292	-14.634	-16.9073	-15.4949	-17.0649	-25.9634
110	5.574416	5.446096	3.492277	5.010933	6.139715	4.840933	3.844462	3.368637	1.410937	0.656108	-0.83125	-1.55957	-1.28565	-3.0793	-7.01543	-6.05393	-15.8045	-10.9699	-9.99565	-10.9957	-22.8424	-12.865	-15.435	-20.105	-10.0832	-8.96548	-9.08517	-13.3711	-16.621	-10.5128	-14.6648	-16.3596	-15.4846	-17.0693	-25.5215	
115	5.574416	5.49617	3.70458	5.342862	6.407109	5.015689	3.973149	3.39433	2.177418	0.489361	-1.19485	-1.66108	-1.1292	-2.62616	-6.5257	-5.41848	-6.35381	-15.7919	-11.1152	-10.9533	-16.1005	-23.4524	-14.4277	-14.8162	-20.259	-23.5043	-10.1885	-9.27939	-12.5694	-18.6353	-11.6797	-15.5422	-15.5334	-15.2318	-17.7656	-25.3215
120	5.574416	5.55184	3.946068	5.654388	6.629904	5.147524	3.97607	3.28877	2.08954	0.289603	-1.53011	-1.72887	-0.75205	-1.1889	-5.92551	-5.18087	-5.26859	-12.918	-11.2057	-10.3485	-16.7027	-20.8025	-15.4207	-14.1718	-19.889	-22.0284	-11.9123	-10.7463	-13.7164	-17.4705	-14.2016	-17.4479	-14.8071	-14.9102	-17.6255	-25.3596
125	5.574416	5.611407	4.206453	5.9102	6.828804	5.311664	4.100612	3.37922	1.988195	0.07732	-1.78824	-1.60373	-0.03137	-5.70505	-4.76769	-2.073	-3.42802	-12.5578	-9.3414	-8.4503	-15.0208	-18.8863	-16.6599	-13.218	-16.278	-20.7084	-14.2107	-12.5644	-15.6718	-15.6322	-18.9613	-19.5639	-14.5901	-14.7229	-18.2853	-25.6076
130	5.574416	5.672591	4.472461	6.143556	7.019677	5.554024	4.472286	3.649255	2.282626	0.390448	-1.44685	-1.85308	0.46615	-1.29742	3.69617	-0.31249	-2.39417	-13.5682	-6.21078	-6.48376	-15.1898	-19.5235	-16.9515	-11.2449	-13.6831	-18.3938	-16.7259	-12.9308	-14.7423	-15.0027	-22.685	-17.735	-14.6595	-14.7824	-19.2258	-26.0045
135	5.574416	5.732713	4.73432	6.343985</																																

Raw data – ANT12 (6.995GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
0	6.019791	4.434303	3.498486	3.651849	2.038162	-0.83654	-0.90174	-2.75312	-8.34298	-5.98117	-5.60752	-6.78497	-5.31072	-5.23335	-10.1753	-3.8773	-5.51738	-10.4635	-4.1713	-5.41558	-11.6554	-8.03757	-7.2573	-11.8142	-13.9931	-10.9837	-10.5688	-12.8754	-14.6365	-13.7512	-13.3512	-13.093	-13.2883	-13.0768	-14.6561	-20.0862
5	6.019791	4.61485	3.566279	3.510878	2.1284	-0.76704	-2.09538	-5.12561	-12.0562	-7.39574	-8.16752	-7.40856	-4.20077	-8.40376	-9.74011	-3.36715	-5.7163	-10.4615	-4.8994	-6.19285	-13.4073	-7.34084	-7.07283	-14.5421	-16.9922	-12.0658	-12.5534	-16.8593	-16.6429	-14.1165	-12.9624	-12.7653	-12.369	-12.8718	-14.9591	-20.1711
10	6.019791	4.791923	3.651078	3.342802	2.080239	-0.73015	-3.24923	-7.86558	-9.4673	-6.36449	-9.12383	-8.42061	-2.29993	-5.27418	-7.46654	-2.51988	-5.50442	-11.5027	-6.4126	-5.47567	-14.052	-7.72625	-6.76023	-15.4898	-19.8469	-12.4639	-14.1395	-15.7909	-15.7995	-15.6308	-13.9303	-12.4344	-11.6721	-12.9918	-15.2631	-20.2396
15	6.019791	4.963407	3.756313	3.181169	1.930172	-0.68733	-3.68323	-8.80952	-6.9144	-5.07328	-5.43785	-6.9144	-1.39109	-0.1131	-3.70074	-8.71962	-9.68509	-4.22247	-4.87718	-8.40008	-8.01799	-11.8752	-10.57004	-13.3272	-19.8469	-11.8489	-14.4384	-14.0405	-15.6217	-18.4647	-15.3857	-11.9977	-12.5227	-13.528	-15.5428	-20.3155
20	6.019791	5.12738	3.883303	3.07444	1.775565	-0.5302	-3.0018	-6.01051	-4.07011	-3.27166	-3.29594	-4.02081	0.19555	-2.94343	-3.42487	-1.47398	-4.32673	-8.61474	-4.79377	-5.48806	-12.202	-9.97268	-9.07004	-12.9349	-18.3389	-12.8501	-15.1452	-14.7256	-18.5574	-22.9742	-15.6546	-11.607	-12.0788	-14.4219	-15.762	-20.4274
25	6.019791	5.282113	4.029781	3.067356	1.732918	-0.2096	-1.74087	-2.61997	-0.86848	-0.614	-1.8259	-0.38942	0.20624	-2.84743	-4.96159	-3.42264	-6.40991	-11.3192	-7.34974	-8.26313	-13.1811	-11.5726	-14.8868	-21.1351	-17.7099	-16.072	-16.9667	-25.2073	-24.9041	-14.7427	-11.9502	-13.3797	-15.3291	-18.9961	-20.6061	
30	6.019791	5.426104	4.189276	3.179092	1.877785	0.222303	-0.61341	-4.04756	1.156569	1.113971	-0.53795	0.56581	1.684773	0.90005	-2.55303	-0.64492	-2.95674	-6.98231	-4.31388	-5.94642	-11.4016	-10.0828	-6.5533	-13.8832	-18.0382	-14.8163	-13.0672	-17.4721	-22.9563	-21.0707	-10.1646	-13.3373	-14.9501	-15.6205	-15.9676	-20.8835
35	6.019791	5.782629	4.637448	3.961105	3.182747	1.724166	0.971824	1.654967	2.81706	2.76907	0.817018	0.135843	1.874185	0.11152	-2.6702	0.292181	-1.46273	-0.08924	-3.33839	-3.86659	-12.2286	-9.28393	-7.93666	-12.1473	-14.6347	-11.8322	-12.5283	-14.9486	-18.8896	-21.3095	-19.6546	-16.3343	-12.8485	-14.0158	-16.7713	-22.6373
40	6.019791	5.677149	4.505107	3.670172	2.668262	1.185797	0.558184	1.166133	2.135024	1.658255	-0.44297	-0.06864	1.570206	-0.69648	-0.35645	-0.07571	-2.40801	-8.25353	-3.31653	-4.25823	-11.8286	-8.84731	-7.92042	-12.7474	-15.35	-11.7412	-12.2663	-16.6264	-20.3742	-19.3891	-16.6348	-17.491	-14.0227	-14.3402	-16.2836	-21.8643
45	6.019791	5.782629	4.637448	3.961105	3.182747	1.724166	0.971824	1.654967	2.81706	2.76907	0.817018	0.135843	1.874185	0.11152	-2.6702	0.292181	-1.46273	-0.08924	-3.33839	-3.86659	-12.2286	-9.28393	-7.93666	-12.1473	-14.6347	-11.8322	-12.5283	-14.9486	-18.8896	-21.3095	-19.6546	-16.3343	-12.8485	-14.0158	-16.7713	-22.6373
50	6.019791	5.874298	4.738631	4.227654	3.690001	2.292179	1.472104	2.209942	3.535496	3.602827	1.497047	0.213303	1.712046	-0.17888	-2.49995	-0.42806	-1.52957	-7.74427	-3.02226	-3.9746	-13.7129	-9.9599	-7.67562	-11.9212	-14.6853	-10.8991	-11.5348	-14.3512	-18.4204	-22.3207	-19.7435	-14.858	-12.7363	-14.4627	-23.6502	
55	6.019791	5.952321	4.801666	4.444796	4.142769	2.810601	1.940852	2.541805	3.667954	3.419384	0.870469	-0.82665	0.616988	-1.6508	-4.68171	-0.93246	-0.78565	-9.64828	-3.97956	-4.63801	-15.0406	-10.2192	-7.6152	-12.5199	-16.7551	-11.2493	-11.6288	-16.5545	-20.6738	-20.0038	-17.0775	-14.7726	-14.0876	-15.9061	-18.9797	-23.9445
60	6.019791	6.017292	4.823433	4.601278	4.510414	3.186943	2.215703	2.532036	3.274627	2.718548	0.159177	-1.49681	0.223118	-1.60686	-5.97874	-1.90532	-2.79247	-9.68769	-3.87013	-4.22048	-14.2529	-9.6914	-7.50747	-12.1381	-18.0741	-11.2289	-10.8539	-16.658	-21.3254	-17.9334	-15.4529	-16.2107	-17.521	-18.5535	-20.846	-26.5492
65	6.019791	6.070228	4.805037	4.69798	4.782813	3.375455	2.246891	2.30383	2.82703	2.477054	0.683972	-0.62022	0.924812	-0.77211	-4.01549	-8.82408	-2.19644	-8.98112	-3.9786	-4.0504	-14.0235	-9.01561	-7.34298	-12.4356	-19.6938	-10.3402	-10.50173	-13.9021	-19.3812	-16.6761	-14.6163	-18.2166	-24.6307	-21.9372	-23.01	-28.4206
70	6.019791	6.112544	4.751875	4.746436	4.973384	3.401637	2.106955	2.038445	2.618479	2.790858	1.698513	0.061418	1.157856	-1.38453	-4.22201	-0.47793	-2.27463	-9.67786	-3.94115	-4.59256	-14.592	-8.9776	-7.63753	-14.0339	-21.6522	-10.3534	-9.52248	-13.7698	-19.269	-14.5786	-13.6682	-18.3294	-24.6353	-22.095	-24.3747	-20.2464
75	6.019791	6.145994	4.673436	4.769991	5.116195	3.354292	1.955667	1.845102	2.515637	3.055591	1.828289	-0.10763	0.797365	-2.34767	-7.93904	-2.38427	-3.92075	-12.706	-5.47563	-5.80695	-16.0544	-9.52106	-8.75911	-16.2514	-24.2007	-11.5803	-10.6703	-15.6684	-17.8204	-12.2587	-12.9508	-17.5678	-18.963	-19.1661	-23.6712	-31.1818
80	6.019791	6.17228	4.582692	4.785315	5.254426	3.349399	1.931803	1.747951	2.265842	2.918535	1.72198	-0.6783	0.34687	-1.81406	-9.34307	-4.69055	-5.30504	-17.4395	-8.32232	-7.90053	-17.9917	-11.9882	-11.428	-17.0233	-27.0715	-12.4575	-11.3648	-15.8526	-15.5223	-11.2123	-13.3114	-18.5226	-16.8674	-16.9825	-21.8979	-30.5738
85	6.019791	6.194437	4.494936	4.826646	5.4225	3.47082	2.091809	1.729895	1.783191	2.2334	1.144074	-1.52648	0.36987	-1.91344	-10.7347	-4.72466	-5.24521	-16.4794	-10.4719	-8.73153	-16.9041	-11.9544	-12.227	-14.3846	-23.5169	-12.5004	-11.3762	-14.4964	-15.1318	-11.3591	-14.3894	-18.7771	-16.7821	-15.9238	-20.989	-29.0835
90	6.019791	6.213694	4.425982	4.909044	5.631079	3.724917	2.385874	1.793862	1.66116	1.121668	0.185352	-2.18542	-1.68536	-3.16975	-8.36559	-5.38036	-6.58115	-17.0655	-10.4832	-9.00039	-17.6164	-14.5279	-11.2854	-13.1998	-22.5737	-13.8889	-11.5851	-13.8774	-15.6041	-11.2142	-13.7378	-21.7103	-18.0252	-15.7689	-19.1796	-27.5602
95	6.019791	6.232323	4.389912	5.038766	5.865266	4.059092	2.729334	1.97491	0.45018	0.173984	-0.45366	-2.45365	-2.04468	-3.78739	-11.0196	-7.26088	-8.37461	-18.0043	-11.0422	-9.2789	-18.6881	-14.4023	-11.6814	-14.7521	-24.1724	-11.0228	-11.4761	-13.3578	-15.0639	-10.3347	-11.7244	-17.2148	-16.3364	-18.5145	-26.3227	
100	6.019791	6.251992	4.396912	5.210185	6.096771	4.37036	3.057762	2.286387	0.804105	0.010126	-1.02142	-2.42714	-1.7949	-3.40163	-10.5025	-8.05659	-7.56208	-16.4483	-10.3749	-9.09999	-19.4675	-15.9015	-18.282	-15.8481	-23.6363	-11.244	-12.5808	-15.0303	-10.356	-11.7546	-14.7877	-22.0364	-17.4607	-18.2242	-28.327	
105	6.019791	6.279298	4.451722	5.411348	6.300393	4.625916	3.335379	2.686428	1.384214	0.371443	-0.76782	-2.16697	-1.85825	-3.71835	-10.3327	-6.966	-7.62101	-17.547	-12.5138	-11.0141	-20.4518	-16.9005	-18.6782	-25.5302	-20.7569	-11.234	-11.4625	-15.7157	-12.2527	-11.1353	-14.1678	-23.1462	-18.8494	-18.2364	-24.8463	
110	6.019791	6.298818	4.553381	5.627878	6.652528	4.796675	3.534821	3.096183	2.121862	0.944189	-0.47125	-1.98993	-1.03425	-4.23451	-10.136	-7.19097	-10.0092	-18.8287	-12.1167	-11.8814	-14.0959	-17.8364	-15.6563	-23.5292	-20.7569	-11.234	-11.4625	-15.7157	-12.2527	-11.1353	-14.1678	-23.1462	-18.8494	-18.2364	-24.8463	
115	6.019791	6.326739	4.690206	5.849053	6.59705	4.898432	3.653733	3.41058	2.759446	1.491566	-0.2376	-1.68878	-1.79889	-3.71123	-9.54194	-9.55868	-10.6607	-19.0407	-10.56145	-14.2279	-16.7934	-13.4857	-19.4695	-15.7581	-22.0793	-23.7675	-12.3688	-9.84248	-13.7278	-19.8327	-14.5699	-15.9604	-20.9549	-19.8861	-18.986	-24.5564
120	6.019791	6.357145	4.8704	6.067793	6.716604	4.978731	3.712987	3.53794	3.044635	1.718193	-0.00394	-1.12345	-0.92015	-2.76881	-8.11214	-7.73257	-15.1928	-16.6568	-13.3139	-14.8086	-14.8401	-19.4695	-15.9221	-24.0793	-23.1893	-13.6291	-10.7673	-15.3076	-19.8574	-16.8852	-17.6525	-19.1349	-19.0937	-19.7903	-24.8076	
125	6.019791	6.388895	5.065415	6.279396	6.844881	5.103148	3.878633	3.488065	2.894856	1.428885	-0.21223	-0.43354	0.399616	-1.52173	-5.75233	-3.13738	-1.6626	-13.8951	-12.2042	-9.47892	-16.2184	-17.2199	-22.7393	-14.1879	-15.6426	-15.6406	-12.2896	-19.1628	-17.8255	-20.1502	-19.4606	-17.9076	-18.2403	-20.6773	-25.3042	
130	6.019791	6.420136	5.269385	6.479112	6.995771	5.326587	3.993957	3.418629	3.028449	-0.55767	0.077181	1.367511	-0.55906	-3.04644	-6.02784	-1.69814	-1.63146	-6.87197	-15.0255	-18.7099	-19.1149	-15.1316	-18.3995	-19.3524	-18.3741	-12.9919	-18.5781	-16.6306	-23.9545	-19.2472	-17.3856	-17.7256	-21.9357	-26.0253		
135																																				

Raw data – ANT12 (7.115GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
0	5.46929	4.46856	4.113489	4.037266	2.237091	-0.03324	-0.32493	-2.77072	-9.2247	-10.1821	-8.45124	-10.5049	-4.99077	-9.23387	-2.6529	-4.85468	-10.0806	-3.30194	-4.72522	-13.4782	-7.91901	-6.59648	-11.5105	-15.6005	-11.7012	-10.9145	-13.404	-15.3272	-14.1936	-13.9135	-13.0583	-12.6907	-14.7464	-18.2989	-21.6705	
5	5.46929	4.61149	4.17336	3.994536	2.512522	0.378707	-0.61913	-3.74666	-12.7439	-12.6636	-11.1711	-9.77149	-6.07522	-9.38783	-8.5275	-2.74801	-6.81184	-3.35501	-5.70666	-13.4639	-8.60348	-7.15507	-11.6091	-17.1436	-17.7538	-15.1628	-13.617	-12.1841	-11.7589	-14.3452	-18.4684	-21.8454	-25.0507	-28.1739	-31.2949	
10	5.46929	4.768484	4.232171	3.914532	2.649756	0.696207	-0.90867	-4.66463	-9.87204	-8.07031	-10.9984	-7.32894	-4.17101	-8.24519	-7.0807	-1.87107	-5.3368	-7.92251	-2.83248	-4.82032	-12.5377	-5.94814	-6.34804	-14.3837	-15.0401	-16.69051	-12.4153	-18.6485	-18.9741	-17.0456	-13.9325	-11.296	-11.1287	-14.4289	-18.7806	-22.0507
15	5.46929	4.916736	4.294256	3.814545	2.658518	0.874942	-1.16281	-5.05693	-5.63965	-3.9465	-5.30129	-6.28457	-1.03537	-5.41504	-3.84219	-1.87107	-4.5062	-2.9852	-4.19332	-2.37547	-10.9676	-6.43262	-6.55059	-12.8279	-14.7429	-12.0488	-15.4202	-17.8651	-18.7921	-14.2801	-10.6097	-11.0989	-15.1385	-19.2429	-22.3013	
20	5.46929	5.055288	4.363623	3.727256	2.60667	1.035883	-1.06826	-4.58802	-3.59946	-2.16179	-2.34949	-4.01154	0.982752	-2.13687	-2.72945	-0.01095	-2.12037	-6.41843	-2.43513	-3.12624	-10.4293	-8.1913	-7.09768	-11.4148	-14.5907	-9.61544	-11.2811	-13.4194	-19.387	-20.1973	-14.2519	-10.3851	-11.8147	-16.4686	-19.7942	-22.6131
25	5.46929	5.183295	4.442164	3.688859	2.580733	1.29388	-0.3019	-2.78867	-1.97852	-1.17652	-1.57391	-3.12156	0.242175	-2.74588	-4.44823	-2.40108	-2.56592	-8.70791	-2.48497	-3.56958	-5.5706	-10.4826	-11.5842	-9.25153	-11.0405	-12.9022	-11.8292	-13.9893	-21.7462	-22.9114	-13.899	-10.8608	-13.8289	-18.0148	-20.3257	-23.0024
30	5.46929	5.300012	4.528357	3.724542	2.642004	1.608955	0.589571	-0.65905	-0.17816	0.054106	-1.15676	0.43586	0.458919	-2.36781	-4.42325	-2.26671	-4.34548	-5.53395	-6.4304	-2.76977	-12.6691	-11.8702	-10.3651	-14.4668	-19.3907	-8.18369	-12.1484	-16.6135	-28.6826	-23.7278	-13.4977	-12.1787	-15.0342	-18.6183	-23.7534	-23.4857
35	5.46929	5.404809	4.617013	3.839643	2.814004	1.858064	1.229989	-0.694784	0.978109	0.853612	-0.67724	0.226481	1.403433	-1.18333	-2.52974	-0.07075	-2.24466	-6.40267	-6.36261	-4.89027	-10.3718	-9.4703	-8.31976	-12.2343	-15.7859	-12.1687	-11.0191	-16.6626	-30.7588	-19.3991	-13.9378	-14.1968	-15.5104	-17.7476	-21.7134	-24.0791
40	5.46929	5.497204	4.70014	4.021041	3.102119	2.015164	1.402854	1.177159	1.297749	0.86815	-1.06795	-0.87022	-2.02704	-4.5081	-0.93455	-3.33882	-8.69119	-5.92739	-12.1733	-9.56717	-8.10112	-12.4254	-16.5023	-12.2995	-11.0512	-1.4859	-21.9515	-17.1536	-14.1686	-15.825	-14.3695	-16.0086	-21.5796	-24.7952	-26.7952	
45	5.46929	5.576917	4.78486	4.244944	3.599412	2.222295	1.366673	1.271499	1.528054	1.133772	-1.20507	-2.18447	-2.43989	-4.5082	-1.27883	-5.84685	-6.15131	-14.9262	-10.9332	-9.20185	-13.7717	-16.8222	-13.0927	-12.2714	-14.8025	-19.5929	-17.8788	-16.0675	-15.5472	-13.2885	-16.1553	-22.3885	-25.882	-28.682		
50	5.46929	5.64393	4.813183	4.484061	4.017167	2.68295	1.498204	1.45184	2.059097	1.878465	-0.51788	-2.86068	-0.41132	-1.58807	-5.33809	-2.22684	-3.9711	-12.0935	-5.67181	-14.2134	-16.099	-11.5511	-16.9259	-14.2719	-17.2288	-12.4948	-12.3866	-15.63	-20.1689	-21.2364	-17.5883	-14.5073	-13.2715	-16.7475	-27.962	-26.5913
55	5.46929	5.698542	4.8271	4.711402	4.567293	3.201674	1.854924	1.676399	2.363399	2.014127	-0.64575	-1.86072	0.223518	-1.60135	-3.92651	-1.01046	-3.29	-11.409	-10.5251	-5.87611	-16.5976	-11.2461	-9.32	-14.1091	-20.8416	-12.7025	-11.6403	-16.0728	-20.6285	-20.9553	-16.5142	-14.2623	-14.6679	-18.6369	-25.9585	-27.595
60	5.46929	5.74141	4.805786	4.902545	5.078979	3.573791	2.18244	1.694235	2.157013	1.43675	-1.42087	-1.90755	0.289751	-1.88604	-5.90014	-0.99302	-2.8778	-10.214	-4.36517	-9.69894	-15.5767	-10.367	-14.8517	-13.7006	-21.6585	-13.0965	-11.2256	-16.1798	-18.8935	-18.0113	-13.5379	-17.9695	-22.0857	-28.6241	-28.5173	
65	5.46929	5.773567	4.748106	5.0384	5.483754	4.126522	2.292758	1.477063	1.74139	1.090852	-1.12628	-1.47175	0.857774	-0.93504	-3.90628	-0.73074	-2.32297	-9.1079	-3.76857	-4.40327	-14.544	-9.12806	-8.32412	-13.8796	-24.0963	-12.4224	-10.7346	-15.9965	-18.9049	-17.5654	-15.3217	-16.9445	-23.5785	-25.1036	-29.2867	-29.1506
70	5.46929	5.796402	4.656668	5.108533	5.747937	4.267727	1.748161	1.16259	1.459136	1.38201	-0.15555	-0.97147	1.281454	-0.46358	-2.91209	0.389608	-1.61837	-9.89974	-3.96515	-6.3908	-14.9921	-8.52522	-8.15803	-15.2877	-28.5859	-11.6025	-10.1881	-15.79	-21.6954	-16.8096	-15.4006	-18.1888	-23.6389	-22.3435	-26.7653	-29.306
75	5.46929	5.811617	4.538079	5.113792	5.875899	4.217226	1.953316	0.899542	1.312254	1.721032	0.371229	-1.03668	0.822333	-1.77832	-4.25556	0.038285	-2.26275	-11.2176	-4.55573	-4.94995	-15.3234	-8.29335	-7.93428	-16.0023	-27.6543	-11.9237	-10.3454	-15.6921	-19.4965	-14.0025	-15.0066	-18.6826	-19.8021	-19.1771	-24.1062	-28.9744
80	5.46929	5.821132	4.402924	5.066976	5.902363	4.073443	1.803978	0.796904	1.128151	1.648007	0.32173	-1.35534	0.446713	-2.22285	-7.45891	-1.8417	-3.94351	-14.5764	-5.83679	-8.9128	-16.4751	-9.05208	-8.86749	-16.8147	-24.799	-13.1817	-11.2016	-15.3343	-16.3188	-12.5467	-15.5107	-20.2473	-18.5089	-17.5189	-22.2609	-28.339
85	5.46929	5.826973	4.265236	4.990757	5.879216	3.957299	1.866118	0.886102	0.745429	0.947458	-0.4216	-1.19411	0.116294	-1.56775	-6.85024	-2.44614	-4.26821	-17.5348	-7.72476	-7.81146	-18.3606	-11.4058	-11.4058	-16.729	-28.8485	-14.4447	-11.9288	-14.8804	-16.7309	-13.2248	-17.5248	-23.131	-19.2623	-17.0837	-21.161	-27.6193
90	5.46929	5.831123	4.141253	4.91273	5.858151	3.963784	2.161329	1.125746	0.136005	-0.39723	-1.80951	-3.26901	-1.04617	-2.27341	-5.83313	-2.22282	-4.65344	-17.2079	-8.80453	-8.88479	-17.997	-12.56	-11.2825	-15.085	-30.6186	-15.6406	-12.078	-14.2004	-18.6097	-14.0578	-17.3292	-20.9989	-21.4596	-17.6391	-20.6759	-26.9635
95	5.46929	5.835369	4.047384	4.885878	5.872004	4.117588	2.605308	1.476412	-0.45414	-0.03281	-3.4141	-4.67374	-2.75694	-4.26024	-7.98066	-3.64126	-6.66169	-17.5818	-5.07439	-5.9792	-18.086	-12.1205	-11.3987	-15.8009	-32.4277	-16.7972	-12.3646	-13.6982	-16.8771	-12.6073	-14.4166	-17.1781	-23.3314	-19.0468	-20.6311	-26.4444
100	5.46929	5.841147	3.997644	4.845825	5.929773	4.37184	3.091075	1.942095	-0.58245	-3.11969	-4.45458	-5.2859	-3.49596	-1.7078	-11.0364	-2.51672	-7.78482	-19.3126	-10.5823	-10.0048	-14.7304	-12.8674	-13.5513	-19.1434	-28.3962	-17.5022	-13.4366	-14.2304	-15.7304	-11.5621	-13.0774	-15.3909	-22.5854	-21.0869	-20.9814	-26.0875
105	5.46929	5.849411	4.001151	4.881022	6.012538	4.646418	3.540425	2.518239	-0.00374	-2.89302	-4.27827	-5.4918	-3.80647	-5.91939	-11.687	-5.32321	-7.75564	-22.6751	-11.3017	-10.4668	-11.2592	-13.4768	-15.81	-20.5657	-26.5627	-17.8191	-14.3735	-14.4847	-16.8391	-12.481	-13.746	-15.111	-21.0053	-22.9317	-21.6167	-25.8932
110	5.46929	5.860537	4.060481	4.961312	6.097353	4.878169	3.903937	1.31329	1.067804	-1.60092	-3.28777	-4.44665	-4.2113	-6.9475	-11.7305	-6.58309	-10.1016	-22.2227	-15.7187	-15.9285	-17.7059	-28.7193	-30.2223	-14.4375	-13.0344	-17.209	-15.4419	-15.8593	-15.5098	-20.0143	-22.9645	-22.4477	-21.677	-25.8471	-28.7471	
115	5.46929	5.874274	4.171385	5.078516	6.166928	5.034323	4.151032	3.646676	2.138091	-0.1209	-2.08577	-3.25781	-3.27432	-6.21524	-13.0877	-8.87783	-13.3905	-18.3405	-14.143	-16.798	-20.491	-13.6402	-16.3825	-20.314	-31.4078	-24.6702	-14.8843	-12.1719	-15.9189	-19.5348	-18.1248	-16.0737	-19.6959	-21.3833	-23.3938	-25.9231
120	5.46929	5.889748	4.32386	5.226868	6.216969	5.116501	4.275529	3.930218	2.79293	0.8453	-1.13164	-0.94791	-1.67599	-5.97327	-12.5872	-9.62774	-10.9589	-20.4838	-16.1493	-17.0546	-20.4126	-15.6375	-19.9079	-19.9938	-20.3808	-21.5368	-16.1215	-13.0056	-15.8133	-19.2665	-19.2981	-17.1638	-19.7761	-19.7259	-24.3904	-26.0821
125	5.46929	5.905527	4.540453	5.383451	6.254334	5.151515	4.309368	3.958576	2.901572	1.038751	-0.68827	-0.94845	-0.00774	-2.55797	-8.48871	-6.70303	-6.4881	-18.7668	-12.471	-11.0518	-18.7297	-16.5954	-18.014	-16.0916	-26.2073	-20.5908	-17.2267	-14.7009	-16.9185	-16.1538	-19.7662	-19.2767	-20.0443	-18.5839	-25.3603	-26.7203
130	5.46929	5.919719	4.696345	5.594448	6.28987	5.17742	4.32041	3.846069	2.63758	1.602867	-0.80699	-0.91215	1.160502	-0.59001	-4.21212	-11.6027	-7.3831	-32.3731	-6.6188	-15.6023	-15.7024	-18.8462	-16.0617	-17.4241	-21.087	-17.7869	-15.0375	-17.3574	-14.9534	-19.8338	-20.1392	-19.8955	-18.0121	-26.1362	-26.4222	
135	5.46929	5.930111	4.885117	5.707447	6.3																															

Smarter. Greener. Together.