

Raw data – ANT4 (5.35GHz)

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	8.6659575	8.346470	7.611895	6.451297	5.146947	4.048145	2.927772	1.362231	-0.4511	-2.07359	-3.82734	-5.79916	-7.91286	-10.1444	-12.4789	-14.9911	-17.7834	-19.9777	-21.6821	-22.9338	-22.8437	-24.5573	-21.1466	-21.0642	-18.934	-17.0776	-18.5702	-20.1003	-22.395	-21.6185	-21.6269	-20.7295	-20.5358	-20.449				
5	8.6659575	8.339314	7.504773	6.17726	4.708821	3.490907	2.302436	0.993344	-0.75256	-2.67773	-4.76362	-6.8857	-8.2814	-9.32682	-10.0082	-10.6462	-10.5655	-11.9027	-12.8304	-13.0098	-14.5732	-16.1807	-19.2914	-22.197	-22.9994	-20.2867	-20.0633	-20.329	-18.8434	-19.9871	-20.688	-22.9496	-21.7279	-20.637	-20.449			
10	8.6659575	8.330049	7.390216	5.89209	4.276119	2.902007	1.951246	0.71185	-0.96824	-3.08095	-5.71592	-8.56243	-10.355	-11.4037	-12.8246	-13.5743	-13.9627	-15.0228	-16.2221	-16.9208	-16.9654	-17.9437	-20.2723	-24.3829	-25.1853	-20.7499	-21.7454	-22.1643	-18.9498	-18.9244	-20.3405	-20.9421	-21.2772	-20.9509	-20.1078	-20.2694		
15	8.6659575	8.319047	7.27222	5.621213	3.926598	2.696202	1.772885	0.589182	-1.16031	-3.41152	-6.11192	-9.05203	-11.2632	-12.4994	-14.4774	-15.746	-16.921	-17.7084	-17.4267	-18.2242	-22.5661	-24.3749	-25.1393	-21.1542	-23.7699	-25.1494	-19.6436	-18.1219	-18.5605	-19.0989	-19.715	-19.8878	-19.4104	-20.0192				
20	8.6659575	8.308084	7.155529	5.383705	3.719056	2.687133	1.908201	0.657625	-1.28869	-3.60271	-5.92341	-8.75267	-10.91398	-10.3821	-12.3437	-13.648	-15.2032	-16.9953	-17.6303	-17.0222	-18.0182	-16.0644	-18.301	-20.2458	-23.2529	-19.7853	-21.7688	-23.3668	-19.9153	-18.5482	-18.8114	-18.7056	-18.8949	-19.0077	-18.6803	-19.7266		
25	8.6659575	8.296496	7.045058	5.196304	3.664042	2.901235	2.225994	0.844235	-1.30937	-3.60645	-5.52903	-8.68492	-10.56498	-9.1407	-11.5437	-12.5677	-16.5601	-20.6978	-22.0108	-20.0899	-18.571	-17.8357	-18.8391	-20.8756	-24.9953	-21.3006	-23.0401	-21.6363	-19.4136	-19.6485	-20.9864	-19.7854	-18.9357	-18.4636	-18.1024	-19.141		
30	8.6659575	8.281574	6.945398	5.066231	3.724732	3.195066	2.54817	0.98507	-1.32718	-3.59863	-5.38143	-8.62891	-7.32237	-10.7904	-11.4761	-13.9397	-18.173	-25.96	-26.5932	-20.136	-18.9901	-20.9635	-23.5382	-26.7377	-20.1539	-20.6731	-27.0976	-21.8913	-19.3978	-20.7767	-24.5048	-22.0245	-19.6871	-18.2446	-17.4007	-18.1201		
35	8.6659575	8.270074	6.860455	4.992709	3.846152	3.449928	2.737917	0.995612	-1.52746	-3.91102	-5.85786	-7.3106	-10.5876	-9.10523	-10.7173	-23.9344	-25.5013	-23.7298	-19.7699	-23.922	-23.5184	-22.4925	-17.0037	-18.0509	-22.7114	-20.6013	-19.6753	-21.4709	-25.1696	-23.8966	-20.8257	-18.2786	-17.7049	-18.8474				
40	8.6659575	8.260394	6.793246	4.969965	3.984228	3.61303	2.678765	1.811458	-1.97713	-4.66566	-7.04547	-8.81633	-8.42085	-8.42119	-9.90642	-11.3574	-13.7	-17.5747	-20.0443	-25.1922	-22.1992	-28.9563	-20.2128	-20.2032	-16.775	-18.8072	-20.9742	-18.6168	-19.3407	-21.3008	-22.4033	-23.1509	-21.8193	-18.4825	-16.8347	-18.6131		
45	8.6659575	8.252381	6.745811	4.905558	4.116768	3.685331	2.678039	0.543899	-2.44556	-5.46943	-8.33548	-10.4891	-9.1992	-9.31687	-10.5096	-12.4425	-14.8491	-20.584	-23.8498	-21.3273	-16.2541	-22.7601	-21.1992	-25.2574	-21.0621	-18.9799	-24.1055	-25.7001	-22.0771	-20.4126	-20.6817	-22.6175	-19.705	-16.7843	-18.192			
50	8.6659575	8.249398	6.719228	5.047498	4.239903	3.694737	2.541386	0.36799	-2.53146	-5.5102	-8.46139	-11.1413	-10.343	-10.0379	-9.74068	-10.8629	-11.5165	-13.8763	-16.2697	-18.2985	-23.472	-20.3776	-22.3604	-21.1524	-21.3579	-24.7834	-20.5766	-20.3397	-21.4598	-21.0623	-19.9321	-20.6043	-22.3366	-19.193	-16.6883	-18.265		
55	8.6659575	8.240192	6.713676	5.134884	4.357968	3.672418	2.417553	0.401332	-2.04194	-4.55721	-7.02947	-9.61493	-10.5564	-8.81388	-10.7427	-11.4425	-14.2445	-18.4891	-20.584	-23.8498	-21.3273	-16.2541	-22.7601	-21.1992	-25.2574	-21.0621	-18.9799	-24.1055	-25.7001	-22.0771	-20.4126	-20.6817	-22.6175	-19.705	-16.7843	-18.192		
60	8.6659575	8.235368	6.72254	5.247685	4.477718	3.638845	2.317153	0.59119	-1.2411	-3.1443	-4.99494	-6.62489	-7.97975	-8.73432	-9.66826	-11.3374	-13.2531	-17.5227	-20.9916	-19.5256	-16.1956	-16.1658	-16.3964	-19.1355	-18.4825	-20.7282	-20.0573	-19.9421	-22.3399	-22.8682	-23.6012	-25.3781	-21.2538	-17.2751	-18.1725			
65	8.6659575	8.261892	6.762544	5.38135	4.605747	3.602666	2.205158	0.772873	-0.48416	-1.79004	-3.06661	-4.22173	-5.6341	-7.5093	-9.99865	-13.9389	-19.0266	-16.3964	-19.1355	-18.4825	-17.3968	-18.5542	-20.7282	-20.0573	-19.9421	-22.3399	-22.8682	-23.6012	-25.3781	-21.2538	-17.2751	-18.1725						
70	8.6659575	8.274869	6.813006	5.53163	4.745162	3.569567	2.04032	0.799622	-0.0016	-0.85214	-1.88737	-3.03593	-4.53973	-6.77797	-9.79257	-12.9117	-14.803	-15.5666	-16.722	-18.8568	-18.7008	-17.1813	-16.3941	-15.1273	-15.837	-19.2175	-19.5065	-17.2851	-18.4021	-21.0852	-23.1099	-26.4216	-28.6234	-22.3403	-17.6533	-18.2267		
75	8.6659575	8.29255	6.880505	5.694572	4.899594	3.552431	1.81772	0.608242	0.085773	-0.52171	-1.57229	-2.83089	-4.14179	-5.8405	-8.09906	-10.095	-11.4804	-12.9922	-15.7014	-18.8666	-17.5375	-15.5431	-14.8775	-15.0061	-17.578	-20.821	-16.873	-16.3029	-18.5005	-19.2488	-21.9224	-28.6642	-33.3374	-23.576	-18.1058	-18.3197		
80	8.6659575	8.314447	6.960038	5.866548	5.072227	3.574357	1.590033	0.244849	-0.22629	-0.80578	-1.97051	-3.19464	-4.30397	-4.99774	-6.39557	-7.8395	-8.99025	-10.2526	-12.0475	-13.4286	-13.878	-14.3838	-15.8776	-18.6932	-23.5544	-19.2774	-15.394	-17.0149	-18.7975	-17.2397	-20.3031	-26.7938	-33.1908	-24.7833	-18.6185	-18.4545		
85	8.6659575	8.340353	7.080153	6.044202	5.265184	3.618182	1.454433	0.12156	-0.76816	-1.51836	-2.8338	-3.88993	-4.30749	-4.89158	-5.75778	-6.90785	-8.79531	-11.4526	-13.2562	-16.0696	-17.9531	-11.2252	-10.3006	-14.6149	-17.4271	-22.4272	-21.1644	-16.5589	-15.691	-19.5492	-17.9801	-15.8553	-19.089	-23.5392	-28.8919	-25.6403	-19.1736	-18.969
90	8.6659575	8.369773	7.148551	6.22433	5.478206	3.832581	1.49986	0.26661	-1.19796	-2.4844	-3.77733	-4.75826	-5.83045	-5.74591	-6.59505	-7.08259	-7.23037	-8.2977	-9.0841	-10.9467	-13.3659	-15.8103	-17.3022	-18.7537	-17.0264	-16.0003	-18.2884	-22.7905	-16.9313	-15.5887	-18.4591	-21.2026	-26.3796	-25.7937	-19.7499	-18.7653		
95	8.6659575	8.402217	7.253064	6.403753	5.707699	4.048765	1.75061	0.08428	-1.24187	-2.56222	-4.29042	-5.55105	-6.58748	-6.68131	-7.93148	-9.97108	-12.5867	-19.9299	-22.2297	-16.4665	-17.6096	-17.3302	-16.9518	-19.9893	-17.314	-22.334	-21.3762	-16.899	-16.6054	-18.2122	-19.9289	-25.0742	-25.1444	-20.3241	-18.942			
100	8.6659575	8.437035	7.361693	6.579299	5.946672	4.410188	2.166451	0.358966	-0.91633	-2.37595	-4.14126	-5.13358	-5.5815	-6.34579	-7.8159	-10.0514	-12.4234	-13.2729	-12.6866	-14.9549	-19.3832	-19.2908	-18.1008	-16.4436	-16.1897	-18.1318	-19.9894	-18.5601	-18.0774	-18.5478	-18.0673	-19.6529	-24.3166	-23.9442	-20.8734	-19.1167		
105	8.6659575	8.473525	7.472633	6.747913	6.185584	4.77464	2.686292	0.968597	-0.30484	-1.70911	-3.28044	-4.12504	-5.7474	-7.0257	-12.5792	-17.0712	-16.5087	-14.9593	-16.9509	-22.1492	-17.7536	-19.1308	-18.6892	-17.0246	-17.0472	-16.7137	-16.9419	-19.9432	-19.5128	-18.0473	-20.3321	-23.2203	-22.5605	-21.5789	-19.7295			
110	8.6659575	8.510393	7.584278	6.969602	6.413687	5.150519	3.251921	1.685821	0.562996	-0.55342	-1.76589	-2.67913	-3.55933	-4.83801	-6.89398	-10.3036	-13.3603	-14.6916	-15.095	-17.2157	-22.2933	-25.1561	-21.0964	-19.1634	-18.6305	-16.6349	-15.7002	-15.827	-17.5552	-18.4932	-18.5277	-21.6873	-21.3955	-21.2833	-21.8272	-19.4197		
115	8.6659575	8.548449	7.695307	7.054225	6.621888	5.59911	3.806352	2.417866	1.507523	0.71372	-0.19928	-1.27978	-2.65784	-3.79543	-5.6255	-7.78086	-9.73431	-10.7889	-12.7389	-14.7129	-22.389	-24.889	-24.889	-24.889	-24.889	-24.889	-24.889	-24.889	-24.889	-24.889	-24.889	-24.889	-24.889	-24.889	-24.889			
120	8.6659575	8.585828	7.804158	7.188749	6.802443	5.829797	4.300399	3.042375	2.245946	1.582388	0.800637	-0.33949	-1.49396	-3.79543	-5.6255	-7.78086	-9.73431	-10.7889	-12.7389	-14.7129	-22.389	-24.889	-24.889	-24.889	-24.889	-24.889	-24.889	-24.889	-24.889	-24.889	-24.889	-24.889	-24.889	-24.889	-24.889			
125	8.6659575	8.620486	7.909966	7.310351	6.951891	6.100247	4.708808	3.490355	2.631563	1.841403	0.98007	-0.0795	-1.5398	-3.37761	-5.55979	-7.84369	-9.51858	-10.9448	-11.8568	-13.6995	-17.1582	-21.2355	-24.1001	-24.863	-20.841	-18.8474	-16.4145	-15.9549	-17.3142	-19.2194	-22.9022	-19.1683	-16.7423	-19.6055	-22.6494	-19.6366		
130	8.6659575	8.653505	8.011601	7.419833	7.069924	6.318282	5.034847	3.781628	2.73401	1.624616	0.914515	-0.5188	-1.6688	-3.03339	-5.0472	-7.4709	-9.4382	-10.649	-11.7382	-13.6403	-17.2402	-20.0616	-24.9409	-21.1194	-18.4756	-16.8917	-16.963	-18.3542	-18.7596	-19.8616	-22.2346	-17.8364	-16.4456	-20.0084	-22.05	-19.6304		
135	8.6659575	8.68287	8.107707	7.518687	7.158674	6.485419	5.292813	3.986264	2.743095	1.36476																												

Raw data – ANT4 (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	8.3816822	7.682085	6.625816	5.210657	3.719379	2.619188	1.506861	-0.15159	-2.37449	-4.34857	-6.1324	-7.93944	-9.2038	-10.1446	-10.4299	-10.2343	-10.7022	-11.6426	-11.9215	-12.8806	-16.2941	-20.8099	-20.2261	-21.7366	-22.1441	-17.368	-17.3734	-16.9449	-15.0515	-15.74	-17.3286	-18.9352	-19.2613	-18.5312	-19.5396	-21.6451	
5	8.3816822	7.703197	6.548737	4.93205	3.243328	1.977442	0.894707	-0.72875	-2.96174	-5.31802	-7.30497	-8.32314	-8.56364	-8.96095	-9.22394	-9.01698	-9.16192	-9.97005	-10.5196	-10.8212	-12.1526	-14.5549	-17.6846	-23.3613	-19.5031	-15.4671	-16.6254	-17.4214	-16.0381	-17.4996	-19.2402	-20.1433	-19.2714	-18.2931	-19.5236	-21.7928	
10	8.3816822	7.723137	6.462951	4.633012	2.750979	1.405923	0.36856	-0.99354	-2.94359	-5.20251	-7.83446	-9.86504	-10.3621	-10.7449	-11.6211	-12.1298	-12.1218	-12.7265	-13.1353	-14.135	-15.8669	-18.3646	-23.4552	-21.0832	-17.3781	-18.7139	-17.6913	-15.6608	-17.4938	-18.4568	-18.8027	-18.0222	-17.4671	-19.0177	-21.7272		
15	8.3816822	7.742541	6.371892	4.338189	2.341942	1.080669	0.28032	-0.8093	-2.51032	-4.55108	-6.79475	-9.37413	-11.5463	-13.3109	-16.3135	-19.6516	-20.1939	-18.085	-16.3209	-16.4067	-17.9453	-20.8585	-22.2571	-25.1772	-24.4538	-20.1542	-22.1949	-19.4341	-16.694	-16.694	-17.1103	-17.357	-17.5135	-16.8778	-16.5789	-18.2562	-21.446
20	8.3816822	7.761003	6.280498	4.073685	2.019951	1.171478	0.173369	-0.23843	-1.87691	-3.67467	-5.36952	-7.20054	-9.1603	-11.3718	-13.8515	-14.9055	-15.7085	-16.5532	-16.4311	-16.45	-15.9473	-16.1126	-17.3197	-21.0926	-21.7412	-17.8447	-19.3105	-20.9693	-18.1614	-17.6973	-17.8173	-17.6116	-16.467	-15.9497	-17.071	-21.0325	
25	8.3816822	7.780747	6.194477	3.861165	2.066584	1.597641	1.430181	0.47876	-1.20843	-2.93168	-4.48476	-5.98873	-7.57196	-9.5206	-12.1072	-13.3728	-15.0251	-17.2255	-18.4128	-17.9313	-17.3292	-15.8377	-16.5071	-21.3508	-25.9196	-19.0368	-19.603	-21.804	-18.947	-18.6025	-19.921	-19.301	-16.8785	-15.6768	-16.786	-20.551	
30	8.3816822	7.800566	6.119655	3.713966	2.186971	2.14147	2.124592	1.072753	-0.74262	-2.51665	-4.19782	-5.83665	-7.25006	-9.14245	-11.9408	-14.0506	-16.7128	-17.9188	-21.5795	-18.3566	-16.4772	-17.3284	-17.5575	-23.7357	-24.4672	-21.0347	-25.3155	-23.0161	-18.8942	-18.9326	-22.309	-22.5655	-18.919	-15.7445	-16.25	-20.979	
35	8.3816822	7.821575	6.061452	3.636468	2.394782	2.626626	2.621953	1.3838	-0.69174	-2.62033	-4.12146	-5.42719	-7.62055	-9.71599	-11.4403	-13.2293	-16.6002	-19.464	-20.6361	-19.6203	-17.388	-17.8303	-21.4106	-26.6704	-18.7383	-17.6052	-20.8743	-21.4433	-18.897	-18.896	-21.6091	-23.9433	-19.469	-16.0848	-15.8649	-19.978	
40	8.3816822	7.845019	6.024473	3.627597	2.628464	2.975858	2.880866	1.403728	-1.03223	-3.19686	-4.97007	-6.60007	-7.38493	-8.42839	-10.0372	-10.8882	-13.2313	-17.2998	-18.7083	-17.9165	-17.8848	-19.0624	-21.1122	-23.7206	-27.3345	-17.159	-20.2605	-20.072	-18.8529	-18.7921	-19.5168	-21.7287	-21.0426	-16.601	-15.6149	-19.1884	
45	8.3816822	7.871056	6.012212	3.681826	2.856688	3.18467	2.944324	1.256435	-1.46343	-3.75613	-5.31867	-6.45667	-6.49524	-7.80585	-9.94536	-10.204	-12.6537	-15.8468	-15.5556	-17.2128	-25.0871	-27.9218	-19.9726	-27.0025	-29.3685	-23.8468	-21.0088	-19.2804	-18.9182	-18.4262	-17.7042	-21.6883	-17.1867	-15.4788	-18.8434		
50	8.3816822	7.900051	6.026847	3.793275	3.077219	3.283321	2.886114	1.11986	-1.57287	-3.75713	-5.22638	-6.5049	-6.64685	-6.85254	-8.745	-11.2583	-13.2507	-14.3018	-16.055	-17.7707	-27.1794	-24.966	-26.1813	-20.4823	-18.8696	-20.7051	-21.1002	-22.6461	-21.4229	-20.02	-18.6663	-18.9728	-21.7149	-17.7551	-15.4358	-18.5676	
55	8.3816822	7.933653	6.0913	3.955144	3.282124	3.308165	2.76462	1.084754	-1.29399	-3.33065	-4.89877	-6.60992	-7.80255	-8.72603	-11.0088	-13.344	-21.2848	-23.0213	-23.2531	-17.0348	-18.3668	-21.1761	-24.7688	-20.2078	-27.7213	-22.6052	-26.2977	-22.9262	-20.3226	-19.3817	-21.7743	-18.7571	-15.4692	-18.3612			
60	8.3816822	7.970496	6.138387	4.159758	3.402939	3.285613	2.58895	1.076687	-0.90979	-2.77848	-4.19211	-5.45869	-6.46077	-7.55262	-8.52019	-10.5393	-12.6574	-16.5622	-20.4219	-19.2902	-17.4698	-15.3189	-17.9146	-20.5071	-21.7577	-19.0985	-17.8162	-21.5326	-23.7529	-26.425	-23.6398	-20.7212	-22.2483	-18.7373	-15.5667	-18.2223	
65	8.3816822	8.01242	6.232648	4.398578	3.711546	3.231279	2.326209	0.938204	-0.67091	-2.18253	-3.19317	-3.93485	-5.0077	-6.61613	-8.2823	-12.6327	-17.4098	-17.9344	-15.7556	-15.7439	-16.5756	-16.9698	-19.8515	-18.1085	-17.3248	-18.1876	-19.9446	-19.2027	-18.5183	-24.066	-28.541	-22.6801	-23.2233	-19.2092	-15.7202	-18.1479	
70	8.3816822	8.05796	6.348884	4.662662	3.942957	3.161543	1.94554	0.545127	-0.72551	-1.77803	-2.55206	-3.25887	-4.33856	-6.06138	-8.12792	-9.97699	-11.4336	-12.9637	-15.231	-19.7119	-23.6855	-19.8791	-16.5943	-15.0458	-16.4029	-18.531	-19.5138	-16.8032	-16.2863	-21.0126	-28.8528	-24.4134	-24.6132	-19.7228	-15.9238	-18.1341	
75	8.3816822	8.107329	6.483331	4.943277	4.19211	3.106657	1.467812	-0.14019	-1.19221	-1.904	-2.61785	-3.21043	-4.74757	-6.47059	-8.1679	-7.3817	-8.63565	-10.587	-13.4817	-17.0436	-17.5553	-16.1471	-14.7307	-15.2078	-19.3411	-19.463	-16.7794	-15.8158	-16.0933	-19.1965	-24.345	-24.4589	-26.1524	-20.229	-16.1728	-18.1769	
80	8.3816822	8.160023	6.631832	5.232315	4.463411	3.112754	0.976683	-1.02486	-2.1101	-2.70677	-3.27135	-3.2732	-3.10326	-3.70939	-5.03245	-6.50203	-7.91848	-8.91395	-10.9542	-11.8737	-12.4228	-13.4704	-15.5933	-20.0323	-26.6049	-17.8842	-15.4629	-16.6812	-16.9524	-17.6287	-21.0037	-22.9004	-27.411	-20.8841	-16.4621	-18.2719	
85	8.3816822	8.21546	6.790159	5.522384	4.758177	2.226828	0.71344	-1.80264	-2.32054	-3.9772	-4.23805	-5.5667	-6.20332	-3.9621	-5.20363	-6.4312	-7.27498	-8.36745	-9.74679	-10.5104	-11.4041	-13.7467	-16.889	-23.1974	-19.1426	-15.898	-16.2202	-19.4761	-17.2297	-16.2371	-18.8931	-21.1438	-28.168	-21.4146	-16.7857	-18.4147	
90	8.3816822	8.272923	6.95428	5.806752	5.071813	3.478183	0.767743	-2.00152	-3.80057	-4.914	-5.11587	-4.26806	-4.10652	-5.13429	-6.24625	-7.29252	-7.91402	-8.57952	-9.75001	-11.0038	-12.2731	-15.1536	-17.1297	-18.9029	-16.2291	-16.197	-19.5706	-22.0011	-16.5537	-15.6441	-17.754	-19.8771	-28.7028	-21.7284	-17.1372	-18.5999	
95	8.3816822	8.331612	7.120558	6.079384	5.302991	3.803836	1.205581	-1.43307	-3.2361	-4.63991	-5.32581	-4.82309	-4.74919	-5.59794	-6.73142	-7.98729	-8.38627	-9.10433	-11.0625	-13.2633	-17.0461	-19.9444	-17.1584	-16.3642	-16.3642	-22.8134	-20.037	-16.458	-16.2133	-17.3198	-19.2788	-29.0434	-21.654	-17.5108	-18.8277		
100	8.3816822	8.390664	7.285874	6.332026	5.705853	4.254014	1.865567	-0.41173	-2.0013	-3.49706	-4.5971	-3.10106	-4.06417	-4.70183	-6.38364	-8.25188	-12.8418	-15.0892	-14.2942	-16.5885	-22.6762	-21.5818	-19.5556	-17.194	-16.9648	-18.1698	-18.7496	-18.1515	-17.5912	-17.6594	-17.285	-19.4047	-27.9469	-21.1335	-17.9033	-19.0729	
105	8.3816822	8.440188	7.447697	6.570565	5.994238	4.681695	2.584897	0.693251	-0.65322	-2.03658	-3.15238	-2.03175	-2.94722	-3.87956	-6.36882	-11.6848	-18.7938	-16.3967	-16.1175	-17.4575	-21.865	-18.9187	-17.9699	-17.6858	-16.1249	-16.2358	-17.5608	-18.5829	-18.5452	-17.5234	-20.2371	-24.9006	-20.3069	-18.3149	-19.3448		
110	8.3816822	8.506278	7.604079	6.78366	6.246516	5.066573	3.24011	1.688141	0.690036	-0.46288	-1.37066	-1.6994	-2.32124	-3.80018	-6.263	-10.0907	-13.7391	-17.0206	-16.3863	-18.1737	-21.6878	-23.927	-24.15	-22.3716	-19.2967	-15.7249	-15.9873	-16.8693	-17.409	-18.1439	-18.2727	-21.3604	-21.5694	-19.4208	-18.7474	-19.6922	
115	8.3816822	8.56104	7.753608	6.974733	6.458436	5.35858	3.772263	2.477995	1.622684	0.853358	0.154317	-0.61128	-1.97324	-3.88088	-5.6065	-7.9303	-11.7548	-15.0051	-18.1805	-16.3878	-21.9031	-21.0953	-23.915	-19.8797	-20.8943	-17.2837	-16.8159	-15.7798	-16.202	-18.1586	-19.8598	-21.3516	-18.8883	-18.4294	-19.1985	-19.9808	
120	8.3816822	8.612599	7.895312	7.145851	6.633672	5.643073	4.180177	3.029929	2.249349	1.572098	1.007941	0.162378	-1.4241	-3.51724	-5.35583	-7.41728	-10.0432	-12.1234	-13.6144	-14.9778	-16.2633	-19.5427	-22.0532	-23.489	-20.5911	-19.1441	-17.2667	-15.5593	-16.7186	-19.6152	-21.8169	-19.5552	-17.0057	-18.2714	-19.65	-20.1741	
125	8.3816822	8.660335	8.028535	7.300294	6.781415	5.860184	4.508212	3.394604	2.520541	1.686102	1.125713	0.475182	-0.85825	-2.98989	-5.58611	-8.27323	-10.5686	-12.1242	-13.1287	-14.0433	-16.7016	-21.2849	-22.0026	-20.1903	-20.2672	-17.887	-17.2606	-17.0205	-19.2133	-21.8558	-21.9401	-17.5307	-15.8987	-18.2374	-20.0536	-20.4123	
130	8.3816822	8.702783	8.152805	7.441729	6.912091	6.062602	4.817736	3.693489	2.660078	1.548251	0.788289	0.265769	-0.68642	-2.3994	-4.98005	-7.94712	-10.2685	-11.4589	-12.3115	-13.9312	-17.8844	-20.5407	-20.0583	-19.901	-16.6918	-16.6041	-18.1623	-20.4214	-22.6397	-22.7293	-20.4511	-16.2457	-15.54	-18.6133	-20.3225	-20.6119	
135</																																					

Raw data – ANT4 (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	4.8315344	4.812809	4.637561	3.892173	2.784184	2.216846	1.927282	0.9270308	0.198933	0.056333	-0.17509	-3.86103	-3.20434	-5.44505	-8.70047	-8.27782	-8.67626	-10.5425	-10.5498	-11.3266	-13.7455	-17.6012	-19.5714	-22.3153	-19.0717	-16.8649	-16.647	-13.9053	-13.2589	-14.8452	-17.154	-17.4271	-14.3488	-13.3145	-16.4803	-21.8287	
5	4.8315344	4.763605	4.45531	3.525658	2.238222	1.480357	1.109123	0.104877	-0.69636	-0.95124	-3.35651	-5.34534	-4.46602	-6.10492	-7.8362	-6.79246	-7.27376	-9.31153	-9.84371	-10.4653	-11.7986	-13.2225	-15.3176	-15.3674	-15.9885	-13.1418	-15.3674	-16.0494	-14.4198	-15.1182	-17.3193	-17.0555	-13.8902	-13.3944	-17.1332	-23.0609	
10	4.8315344	4.709977	4.207522	3.137127	1.644391	0.662871	0.178961	-0.82958	-1.8222	-2.41695	-5.01665	-7.71343	-7.40308	-9.40718	-10.6471	-8.7365	-9.32264	-11.5894	-11.5171	-11.1311	-12.5829	-14.6747	-16.8467	-25.83347	-26.3347	-16.0501	-14.5803	-17.2255	-19.4727	-16.3146	-16.1535	-17.898	-17.1898	-14.2723	-13.9145	-18.1187	-24.5229
15	4.8315344	4.652701	4.048188	2.737118	1.064636	-0.08891	0.572723	-1.34908	-2.1583	-2.98224	-5.58411	-8.8248	-9.81506	-13.666	-17.8736	-14.0515	-14.9305	-17.3672	-17.1029	-15.0714	-14.3048	-16.8487	-21.4757	-28.6149	-25.2008	-22.0708	-17.4939	-17.5486	-17.3351	-16.7277	-17.4383	-18.502	-17.4543	-14.8353	-14.7735	-19.3606	-26.1398
20	4.8315344	4.59288	3.83575	2.341305	0.512937	-0.54448	0.71746	-0.94651	-1.04001	-1.35485	-3.1201	-5.76608	-7.5888	-11.466	-12.2045	-18.0857	-19.4747	-19.6215	-19.3088	-16.854	-17.2525	-19.2149	-21.9591	-25.921	-21.9591	-25.921	-19.9591	-25.921	-19.9591	-25.921	-19.9591	-25.921	-19.9591	-25.921	-19.9591	-25.921	
25	4.8315344	4.531904	3.624684	1.971183	0.133561	-0.47987	0.050303	0.199074	0.519187	0.547807	-0.7342	-2.83728	-4.48208	-7.60979	-12.3826	-13.53	-16.6279	-21.1548	-19.6504	-17.3625	-16.9682	-18.8005	-20.7007	-20.5532	-22.955	-22.7148	-20.4119	-19.4005	-19.1666	-19.9691	-18.7749	-17.5484	-16.3146	-16.5517	-21.2343	-28.156	
30	4.8315344	4.471382	3.423182	1.653462	-0.00813	1.018126	1.12525	1.517312	1.694996	1.54409	0.109154	-1.97475	-3.27409	-5.64586	-8.84185	-11.3287	-14.3538	-13.6544	-14.7439	-18.032	-20.3396	-19.9101	-19.0548	-22.3265	-19.9101	-20.0528	-22.3265	-19.9101	-20.0528	-22.3265	-19.9101	-20.0528	-22.3265	-19.9101	-20.0528	-22.3265	
35	4.8315344	4.413053	3.240885	1.416687	0.117654	0.979113	2.34202	2.625713	2.362484	1.7229	0.31405	-0.32092	-4.20057	-6.3704	-8.12506	-7.19994	-8.38523	-10.9632	-11.4145	-13.512	-16.0026	-16.3846	-15.1072	-16.8544	-24.2102	-17.4905	-17.1947	-20.5476	-18.1669	-17.1911	-18.6843	-20.6789	-17.9137	-16.8504	-19.7738	-25.8579	
40	4.8315344	4.356881	3.088215	1.284613	0.460197	1.851254	3.296035	3.340041	2.576569	1.489574	0.97636	-4.19256	-5.20373	-7.11905	-9.18079	-7.74336	-8.03741	-10.1137	-13.9643	-17.8451	-16.4751	-15.9433	-15.7449	-18.1134	-23.6143	-18.017	-17.7596	-19.2947	-17.3044	-15.6612	-16.8738	-22.5182	-19.0232	-16.68	-18.5312	-24.1884	
45	4.8315344	4.309927	2.97524	1.268535	0.916678	2.545192	3.856904	3.577596	2.367307	1.125228	-0.10108	-3.41543	-3.95111	-5.09333	-7.40437	-7.97019	-8.9548	-11.5882	-12.1784	-13.4183	-16.4399	-20.1613	-21.1431	-20.5776	-19.2886	-20.4238	-21.3935	-20.6592	-20.5749	-16.2492	-15.8061	-21.6868	-19.8992	-16.6246	-17.4521	-22.6907	
50	4.8315344	4.268226	2.910178	1.363053	1.386786	2.996981	4.018812	3.369571	1.84151	0.734679	0.86328	-2.75227	-3.38899	-4.43591	-7.35476	-9.62497	-10.9236	-15.5346	-16.6608	-16.7278	-23.1829	-23.1829	-23.1829	-23.1829	-23.1829	-23.1829	-23.1829	-23.1829	-23.1829	-23.1829	-23.1829	-23.1829	-23.1829	-23.1829	-23.1829	-23.1829	
55	4.8315344	4.234669	2.897896	1.548354	1.805534	3.228028	3.886371	2.914733	1.301547	0.38308	-1.10347	-3.2125	-4.27596	-4.97501	-7.40895	-11.5555	-14.2229	-19.1679	-24.7839	-22.0768	-18.9797	-16.8159	-21.4191	-17.4431	-17.0281	-20.0865	-19.8021	-19.7871	-21.2599	-21.2289	-17.6605	-19.8813	-19.9037	-17.3212	-16.0332	-20.3901	
60	4.8315344	4.209907	2.958853	1.797509	2.144871	3.07177	3.649386	2.550415	1.047886	-0.00414	-1.80246	-3.87662	-4.79796	-5.42506	-7.58046	-10.5909	-12.2612	-18.3845	-23.7655	-13.9535	-13.9535	-13.9535	-13.9535	-13.9535	-13.9535	-13.9535	-13.9535	-13.9535	-13.9535	-13.9535	-13.9535	-13.9535	-13.9535	-13.9535	-13.9535	-13.9535	
65	4.8315344	4.194104	3.028884	2.084291	2.400362	3.302911	3.477939	2.493307	1.087497	-0.42673	-2.50214	-3.62511	-3.86603	-4.28071	-4.35952	-5.34985	-7.40217	-8.76142	-9.42076	-15.41	-18.2389	-25.7988	-18.0953	-13.0118	-15.331	-20.5455	-13.8994	-13.7996	-17.2414	-18.9473	-23.422	-20.0383	-19.4993	-15.4006	-18.8775		
70	4.8315344	4.186921	3.159894	2.388145	2.578463	3.241362	3.387496	2.628113	1.24988	-0.63299	-2.70965	-3.38749	-3.36117	-3.74255	-3.86322	-4.2805	-6.21844	-8.64447	-9.9641	-11.9961	-18.1248	-21.6377	-17.6202	-13.8044	-17.7887	-19.0887	-14.9648	-11.7667	-13.6822	-16.937	-16.8531	-25.4332	-20.7468	-21.2947	-15.2699	-18.3523	
75	4.8315344	4.187569	3.301258	2.695715	2.6916	3.104156	3.251218	2.696917	1.356452	-0.6617	-2.56002	-3.65302	-3.52162	-3.54566	-3.68345	-3.94486	-5.89417	-9.93291	-13.5161	-15.1588	-16.4404	-16.4658	-16.4658	-16.4658	-16.4658	-16.4658	-16.4658	-16.4658	-16.4658	-16.4658	-16.4658	-16.4658	-16.4658	-16.4658	-16.4658	-16.4658	
80	4.8315344	4.194986	3.302102	3.000001	2.759562	2.868897	2.944384	2.541172	1.2568	-0.85367	-2.73566	-3.18659	-2.93627	-3.20818	-4.2802	-3.2707	-9.0705	-10.8617	-14.5699	-15.3348	-14.562	-14.3706	-15.6232	-17.6194	-20.301	-17.7907	-14.4802	-13.6739	-19.443	-14.7009	-21.2585	-21.4733	-25.851	-15.1371	-17.6697		
85	4.8315344	4.207513	3.687891	3.29838	2.81157	3.085752	3.25356	2.448	2.145339	0.865752	1.35356	-2.42744	-2.37186	-2.29262	-4.01968	-7.5671	-11.1908	-11.8444	-13.1078	-15.2325	-14.5099	-18.4724	-19.5419	-16.3888	-15.425	-16.2661	-16.394	-17.1981	-15.7324	-15.1338	-19.186	-21.0679	-26.5784	-19.1727	-17.486		
90	4.8315344	4.223944	3.871683	3.590403	2.882493	2.235126	1.872184	1.623171	0.237685	-2.23846	-2.64757	-2.5364	-2.83722	-5.83197	-7.79039	-9.98979	-12.139	-13.496	-14.0109	-13.6541	-13.857	-15.9697	-21.0204	-19.4679	-14.7535	-15.8024	-18.6969	-15.4027	-14.9109	-16.3988	-15.9479	-17.843	-20.7443	-25.0487	-15.025	-17.3945	
95	4.8315344	4.242779	4.043498	3.875909	3.003581	2.011828	1.414814	1.200023	-0.3398	-3.44529	-4.01653	-3.92345	-4.91002	-6.78348	-9.76235	-13.5143	-16.0285	-18.8608	-20.5026	-22.6581	-23.873	-22.6803	-19.7469	-17.3046	-13.8261	-15.3948	-17.5401	-15.759	-17.2754	-20.8397	-22.8485	-14.9851	-17.3882	-15.9871	-17.3882		
100	4.8315344	4.26261	4.196553	4.153738	3.194103	1.95389	1.235801	1.087031	-0.43546	-1.77204	-6.0948	-6.2042	-7.00093	-9.02124	-11.6081	-12.2915	-12.7034	-19.7847	-18.3456	-17.8925	-20.0465	-18.7095	-20.3377	-19.8976	-17.8399	-18.4551	-15.523	-14.1392	-17.6746	-15.6629	-14.5285	-17.704	-21.1098	-20.8975	-14.9782	-17.4609	
105	4.8315344	4.283151	4.325722	4.420971	3.460128	1.971033	1.340648	1.298406	0.083821	-3.32526	-6.64826	-8.2669	-10.1713	-11.8305	-12.2195	-13.8635	-12.2916	-17.318	-17.8306	-17.4262	-17.2601	-17.318	-17.8306	-19.5967	-17.378	-17.1847	-17.4262	-15.4352	-15.6092	-17.1668	-12.949	-13.8341	-19.4384	-20.6761	-19.3574	-10.0261	-16.709
110	4.8315344	4.303321	4.402259	4.672468	3.79847	2.345238	1.635652	1.684523	0.915002	-1.41453	-4.20176	-6.9627	-9.05553	-10.2025	-12.8286	-9.31337	-7.58085	-11.1425	-12.376	-14.2189	-18.1083	-17.8477	-17.42	-14.5281	-16.9765	-18.9386	-16.7141	-16.6453	-14.9758	-11.8922	-14.6071	-22.1938	-19.1407	-18.2384	-15.1468	-17.8196	
115	4.8315344	4.32329	4.427529	4.9006	4.19897	2.77007	2.310822	2.812836	2.20224	1.157383	-3.84753	-4.92354	-5.94877	-6.84809	-8.5077	-10.1212	-15.7664	-14.7114	-17.39	-16.3459	-13.5506	-14.3929	-21.3722	-17.7926	-17.1582	-14.5824	-12.7488	-17.4201	-22.1159	-17.4727	-17.4201	-22.1159	-17.4727	-17.4201	-22.1159	-17.4727	
120	4.8315344	4.34348	4.543741	5.095395	4.636351	3.339424	2.588462	2.471176	2.040228	0.931098	-0.602	-2.1904	-2.7759	-3.84427	-7.00578	-10.7694	-13.8414	-14.5725	-16.0673	-18.7679	-14.2236	-15.8948	-15.8081	-16.6613	-19.9212	-17.0968	-17.0629	-17.2502	-15.5124	-15.4709	-22.9716	-19.0405	-16.3659	-17.2787	-15.6368	-18.4085	
125	4.8315344	4.364718	4.56009	5.245523	5.076029	4.009491	3.210882	2.812836	2.20224	1.157383	-3.84753	-4.92354	-5.94877	-6.84809	-8.5077	-10.1212	-15.7664	-14.7114	-17.39	-16.3459	-13.5506	-14.3929	-21.3722	-17.7926	-17.1582	-14.5824	-12.7488	-17.4201	-22.1159	-17.4727	-17.4201	-22.1159	-17.4727	-17.4201	-22.1159	-17.4727	
130	4.8315344	4.388148	4.553645	5.340393	5.469999	4.691869	3.865111	3.194915	2.502922	1.736156	0.454145	-1.17479	-2.81112	-5.8432	-11.0643	-14.0984	-15.056	-14.5615	-17.0152	-18.9575	-16.7777	-16.0956	-20.7588	-17.4008	-15.0216	-16.4977	-17.2747	-15.3451	-15.7537	-21.5019	-20						

Raw data – ANT4 (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	4.586641	4.325994	3.992886	2.769194	0.578376	-1.15272	-1.64766	-1.67905	-0.9542	-0.40185	-1.86916	-3.18608	-3.1743	-5.7029	-8.79044	-7.98816	-8.37731	-9.93841	-8.60209	-9.08402	-12.4731	-17.3813	-17.1508	-18.1145	-25.3135	-15.6817	-14.9037	-14.4207	-12.2514	-11.9296	-13.1378	-15.8708	-18.254	-18.9955	-23.622	-26.1205	
5	4.586641	4.200189	3.922468	2.679593	0.629378	-1.22256	-1.12925	-0.39254	-0.02099	-1.52188	-2.66943	-2.66441	-4.01522	-6.30929	-5.72167	-6.49977	-8.86426	-8.64293	-8.7303	-10.1188	-11.3507	-12.6605	-14.9453	-18.7758	-12.784	-13.5759	-16.0553	-12.8156	-12.027	-13.4421	-15.6855	-17.0666	-18.527	-23.7854	-26.4639		
10	4.586641	4.242735	3.833837	2.578321	0.616799	-0.80775	-1.27553	-1.34374	-0.08367	-0.66765	-2.32102	-4.00776	-4.01103	-5.72969	-7.08889	-6.60686	-7.7176	-10.0899	-10.0881	-12.1122	-13.6168	-18.2235	-13.7174	-15.3979	-18.8698	-14.9097	-13.8076	-15.4266	-16.7129	-17.0259	-18.8039	-24.4818	-26.8026				
15	4.586641	4.187767	3.728615	2.459844	0.52423	-1.00179	-1.79288	-2.27246	-2.23122	-2.32204	-3.85151	-5.908	-6.92883	-8.49681	-10.2471	-9.42297	-10.8694	-14.1429	-14.1151	-13.0993	-12.7478	-14.1499	-16.2006	-16.7695	-20.3542	-17.529	-16.2994	-16.3138	-15.7277	-15.5955	-18.0312	-18.2414	-17.8406	-20.1587	-25.7151	-26.6062	
20	4.586641	4.127188	3.609567	2.32702	0.362966	-1.37449	-2.5529	-3.1272	-3.36342	-3.20781	-4.07665	-5.11642	-5.04228	-6.94124	-9.91324	-7.74725	-8.58461	-11.3713	-11.0323	-14.2433	-15.6895	-15.5395	-13.6993	-15.5934	-18.1817	-17.4087	-10.9191	-19.6095	-15.1161	-14.623	-14.9321	-15.5611	-17.6331	-18.2855	-19.074	-22.5214	-27.3305
25	4.586641	4.059241	3.480639	2.188319	0.16078	-1.78172	-3.10033	-3.44248	-2.63359	-1.84556	-2.01894	-2.49021	-2.90404	-4.975	-7.59101	-8.43106	-10.7939	-14.2243	-13.1855	-12.5052	-14.6738	-17.8465	-17.8083	-17.3631	-22.6018	-19.0048	-16.4639	-18.3641	-17.6238	-16.3732	-16.5868	-17.259	-20.2524	-26.333	-28.6581	-26.663	
30	4.586641	3.988459	3.346813	2.056201	-0.09026	-2.05298	-2.69406	-1.43795	-0.44722	-0.52265	-1.29061	-1.90969	-2.69461	-4.93124	-9.91324	-7.74725	-8.58461	-11.3713	-11.0323	-14.2433	-15.6895	-15.5395	-13.6993	-15.5934	-18.1817	-17.4087	-10.9191	-19.6095	-15.1161	-14.623	-14.9321	-15.5611	-17.6331	-18.2855	-19.074	-22.5214	-27.3305
35	4.586641	3.915612	3.213786	1.943667	-0.12758	-2.09743	-2.49802	-1.92348	-1.0574	-0.36069	-0.59561	-0.94751	-1.04271	-2.4888	-4.70327	-5.39605	-6.33067	-8.90567	-10.3959	-11.8692	-14.7968	-15.5143	-15.2253	-15.9723	-18.3543	-15.5081	-16.3848	-16.5196	-15.7602	-19.6185	-20.1102	-18.1495	-22.6714	-35.3594	-27.134	-26.2337	
40	4.586641	3.842633	3.087474	1.860171	-0.16663	-1.97324	-1.90588	-1.50602	-1.39721	-1.1922	-1.75075	-2.42092	-2.64547	-4.19311	-6.85726	-7.58227	-7.4392	-9.18528	-11.4758	-13.437	-15.7535	-17.063	-17.845	-18.2235	-19.2143	-16.3167	-17.7178	-16.7621	-15.3327	-17.8045	-21.3727	-20.2627	-24.2806	-28.7927	-25.5311	-25.8403	
45	4.586641	3.771534	2.973478	1.806766	-0.13614	-1.81457	-1.57999	-1.46873	-1.95459	-2.04834	-2.95468	-4.51847	-5.50444	-7.1226	-9.857	-11.9889	-11.0033	-13.1836	-15.0818	-16.8165	-20.7059	-25.2345	-24.1811	-18.879	-17.3836	-19.2895	-20.0486	-20.3151	-19.5347	-17.7023	-20.1149	-22.0028	-24.8858	-25.6553	-24.306	-25.3637	
50	4.586641	3.704316	2.876612	1.785306	-0.06429	-1.70269	-1.52272	-1.71771	-2.34233	-2.46877	-3.79754	-4.5198	-4.82209	-7.9641	-9.51862	-11.7448	-13.7963	-15.8269	-16.3531	-24.8127	-19.979	-16.8218	-25.1486	-18.4439	-19.175	-35.6317	-19.0096	-20.0505	-22.1957	-23.6731	-24.2535	-23.5518	-24.835	-24.7935			
55	4.586641	3.642879	2.800605	1.781715	0.016893	-1.61694	-1.72054	-1.92728	-2.30532	-2.56529	-4.49003	-6.8668	-6.97379	-6.08063	-5.77192	-7.09922	-9.66612	-12.6953	-15.8131	-16.823	-16.2516	-16.1162	-19.8743	-20.12	-18.0403	-20.3399	-17.77	-18.6109	-21.8293	-19.6705	-22.4805	-22.059	-22.1407	-23.9866	-23.2158	-24.7293	
60	4.586641	3.588938	2.748006	1.788992	0.07806	-1.4932	-1.64214	-1.60168	-1.68101	-2.34337	-4.49707	-5.05629	-4.88959	-4.35481	-4.18104	-5.10567	-6.26864	-9.52774	-11.4971	-13.218	-14.9	-17.147	-14.8129	-20.8002	-15.6066	-15.5208	-19.0233	-19.7125	-17.1464	-16.6482	-26.8238	-22.3063	-21.2153	-24.6268	-23.1853	-23.7136	
65	4.586641	3.543955	2.720246	1.801549	0.093407	-1.32891	-1.18372	-0.66495	-0.64183	-1.74203	-3.91433	-4.56674	-4.24257	-4.7136	-5.13559	-5.86583	-7.69198	-9.69093	-11.4615	-14.2355	-18.9904	-21.1811	-21.158	-15.4206	-13.2101	-15.6315	-20.6327	-15.9499	-15.3062	-18.2012	-23.263	-22.0349	-20.8382	-25.874	-23.282	-23.1486	
70	4.586641	3.500086	2.717755	1.819841	0.045224	-1.21447	-0.55746	-0.448648	-0.437895	-0.96371	-3.04682	-3.87813	-4.01429	-4.80271	-5.54753	-6.02856	-7.79325	-10.6192	-13.0634	-15.4653	-18.1547	-17.1913	-16.508	-14.1272	-13.828	-21.2883	-18.235	-13.0244	-15.5656	-18.9958	-18.437	-20.5128	-20.5283	-26.6593	-23.2594	-22.5914	
75	4.586641	3.485164	2.740088	1.851195	-0.06373	-1.25286	-0.04793	1.377824	1.272092	-0.45928	-2.51502	-3.0568	-2.85753	-3.39056	-4.36494	-4.86957	-6.38596	-9.89602	-13.4065	-13.9881	-14.0837	-15.0839	-16.0609	-15.5601	-17.5735	-22.7276	-14.7896	-22.7786	-18.1736	-18.9104	-15.7695	-18.6942	-19.8051	-25.4963	-22.8945	-22.0478	
80	4.586641	3.47227	2.758565	1.908308	-0.19678	-1.46248	0.235147	2.003892	1.732486	0.52124	-2.58855	-2.27586	-2.57586	-3.74664	-4.69168	-6.15007	-9.38115	-12.9932	-13.5264	-13.5483	-16.0271	-18.8061	-17.7476	-21.4293	-17.7721	-14.1376	-14.8687	-18.967	-16.4644	-14.7058	-17.4371	-18.7287	-23.2121	-22.149	-21.524		
85	4.586641	3.471916	2.853001	2.005447	-0.28321	-1.73773	0.338737	2.337102	1.829806	-1.10446	-3.12344	-1.9569	-1.37754	-2.17878	-3.7068	-5.29741	-7.35029	-10.2549	-13.3331	-13.6548	-14.7009	-18.954	-24.849	-18.6008	-18.3034	-18.2548	-16.8675	-17.648	-15.2663	-14.6609	-15.1015	-16.9163	-17.7674	-21.1965	-21.1861	-21.0267	
90	4.586641	3.482797	2.938583	2.15357	-0.24403	-1.89981	0.361266	2.439864	1.701538	-1.89653	-3.91743	-2.1117	-1.21001	-1.89213	-3.38026	-5.05255	-13.0447	-15.3818	-14.1654	-15.7375	-25.2529	-23.7405	-17.7727	-16.6254	-20.7076	-20.7348	-17.3848	-13.5789	-14.6542	-16.9868	-17.0129	-17.3015	-20.0005	-20.2105	-20.6622		
95	4.586641	3.505149	3.039145	2.356483	-0.03341	-1.84141	0.344019	2.376337	1.554133	-2.19048	-4.76448	-2.9433	-1.59955	-2.23384	-5.26913	-9.12447	-12.988	-16.9575	-19.8642	-15.2708	-14.7378	-18.1884	-17.3945	-20.5394	-16.1811	-18.6348	-18.126	-17.2697	-14.3652	-15.8341	-16.9049	-17.4984	-17.5385	-19.1	-19.3568	-20.1362	
100	4.586641	3.510936	3.069805	2.432237	-1.61226	0.229234	2.154864	1.83169	-1.84244	-3.29747	-5.00419	-4.56868	-5.08817	-8.58769	-10.9383	-10.3916	-15.77	-19.8418	-13.5308	-14.1876	-14.7378	-14.3265	-15.5939	-19.3915	-14.7548	-16.0621	-16.5688	-19.159	-15.8787	-15.7727	-17.6972	-18.1326	-18.6162	-18.9295	-18.683	-19.7529	
105	4.586641	3.582971	3.27027	2.902557	0.84641	-1.29662	0.04161	1.758192	1.43561	-1.02353	-4.6456	-7.43909	-9.00272	-10.8647	-11.3702	-9.19855	-9.38901	-14.0466	-15.8616	-12.3011	-12.3303	-14.7176	-17.8744	-18.1427	-13.4221	-15.8251	-16.7989	-18.5175	-14.8586	-14.3455	-18.3123	-18.6597	-20.6435	-19.2149	-18.1991	-19.1413	
110	4.586641	3.637674	3.393892	3.219658	1.442424	-0.87759	0.33728	1.319738	1.437787	0.069973	-2.47255	-6.05419	-6.95891	-10.7891	-11.8573	-10.7125	-10.6461	-12.8099	-14.6782	-14.0362	-16.5134	-18.9737	-20.706	-17.6383	-15.5985	-18.1115	-17.0149	-16.295	-13.6516	-14.0908	-18.0548	-18.6627	-23.465	-19.8191	-17.8899	-19.1201	
115	4.586641	3.702325	3.51931	3.543885	2.09727	-0.21396	-0.28326	1.201488	1.59599	0.029933	-0.66625	-3.49854	-5.73194	-7.20721	-9.75399	-10.3532	-10.5641	-14.6832	-16.5844	-16.9843	-23.2666	-20.9275	-18.6783	-19.7838	-16.7853	-16.3144	-14.2837	-15.8623	-18.8444	-17.9165	-25.5425	-20.545	-17.726	-18.8684	-19.408		
120	4.586641	3.776574	3.645082	3.857363	2.706352	0.686214	0.322873	1.570865	1.874803	1.106908	-0.26382	-2.24322	-3.64861	-4.91468	-7.4005	-9.5579	-12.7744	-18.1077	-19.1874	-19.5426	-21.297	-20.2418	-11.207	-22.7051	-17.2247	-16.4805	-17.1093	-15.7578	-18.8792	-18.9033	-16.6695	-24.9392	-21.1354	-17.6699	-18.6549		
125	4.586641	3.859806	3.771024	4.143504	3.400343	1.656929	1.1824	2.045738	2.130934	1.037049	-0.2328	-1.2236	-2.0593	-3.48626	-7.3007	-10.6527	-14.2438	-20.043	-21.1671	-20.8794	-17.6322	-20.272	-26.3703	-19.7321	-16.1075	-16.3208	-16.0252	-15.8174	-19.3432	-17.7289	-16.5394	-23.5413	-21.3429	-17.677	-18.4746		
130	4.586641	3.95141	3.898267	4.389816	3.939875	2.495075	1.779328	2.17559	2.231228	1.574937	0.81758	0.257112	-0.83	-3.54215	-8.45311	-13.3437	-14.3758	-14.7147	-17.2607	-17.8959	-15.6583	-18.0068	-22.6661	-20.4807	-16.9473	-16.7339	-16.8769	-15.4346	-15.8825	-18.3486	-17.083	-16.9014	-22.5396	-21.0496	-17.699	-18.3213	
135	4.586641	4.025952	4.029389	4.590956	4.354862	3.099291	2.075361	1.905799	2.145132	2																											

Raw data – ANT4 (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	5.1250809	4.930632	4.737782	4.448212	3.357221	2.72963	1.989863	1.051744	0.889046	1.146264	0.39449	-1.10228	-1.00944	-3.38453	-6.33841	-5.92776	-6.19065	-7.75339	-6.78123	-7.61487	-12.1311	-16.0123	-13.3535	-13.2329	-12.2827	-12.8885	-13.6307	-15.5071	-11.841	-12.3109	-14.4632	-17.0202	-18.2592	-16.5527	-17.7167	-19.2983	
5	5.1250809	4.980188	4.682085	4.001672	3.454204	3.028748	2.529197	1.835714	1.745352	3.454204	0.546022	-1.66878	-0.71365	-3.85758	-2.9006	-2.64108	-3.30236	-5.60326	-5.67193	-6.13712	-8.1794	-9.5766	-10.1988	-10.7886	-11.8585	-15.0237	-16.9652	-15.0372	-11.424	-13.6272	-15.6085	-15.0237	-15.568	-17.501	-19.1616		
10	5.1250809	4.954878	4.585567	3.984594	3.511599	3.316084	2.971707	2.304939	1.994419	1.994419	0.338286	-0.50266	-0.05392	-1.81741	-2.86405	-2.7496	-3.08345	-6.91502	-7.49906	-7.71029	-8.21263	-8.77944	-9.49144	-12.978	-12.2291	-11.6709	-13.0352	-19.9663	-13.1392	-11.9369	-13.8028	-14.8095	-14.6751	-15.0087	-17.6557	-19.0676	
15	5.1250809	4.915403	4.440413	3.820417	3.522067	3.49711	3.154853	2.312134	1.635125	1.050001	0.39764	-0.01001	-0.23972	-2.74058	-3.90855	-5.70803	-7.35012	-10.9557	-11.7754	-11.4014	-10.5849	-11.0995	-12.7877	-17.0299	-18.6553	-16.6686	-14.456	-13.5156	-13.0582	-14.9691	-14.2893	-15.0047	-17.9246	-19.9026			
20	5.1250809	4.863297	4.279652	3.631245	3.461353	3.519082	3.056883	2.016387	1.172764	0.69737	-0.05826	-0.14504	-0.22772	-4.83572	-8.5793	-7.70957	-12.1579	-16.8176	-16.704	-13.6334	-12.7347	-13.8538	-13.3713	-17.0248	-19.9076	-18.2768	-15.2799	-15.1043	-14.8437	-14.8785	-15.799	-15.0279	-14.8432	-15.4583	-18.4481	-19.9038	
25	5.1250809	4.800562	4.083615	3.398672	3.321848	3.366468	2.71978	1.625949	1.128337	1.268598	1.105768	0.619452	-0.07507	-2.3117	-3.95396	-8.02879	-10.6992	-16.1076	-14.2243	-12.243	-10.713	-10.7757	-10.77	-17.139	-17.3441	-19.1128	-16.6216	-17.3689	-19.1272	-16.9661	-16.4843	-15.5667	-14.744	-15.0564	-16.3146	-19.2167	-18.9082
30	5.1250809	4.729593	3.870584	3.144199	3.105409	3.047533	2.190307	1.165586	1.171977	1.816231	1.936423	1.65661	1.191435	0.73127	-3.88757	-5.73159	-7.66014	-11.3144	-11.7508	-11.4721	-10.4489	-19.0234	-19.4547	-17.6843	-17.0066	-15.2125	-19.4913	-19.7024	-17.4882	-19.1071	-15.5302	-14.5823	-15.9312	-17.5113	-20.2106	-18.8637	
35	5.1250809	4.653094	3.6151483	2.822868	2.585259	1.501899	0.502272	0.675352	1.425045	1.493956	1.144863	0.753927	-1.11778	-3.42365	-9.92367	-7.07399	-10.2668	-16.7022	-16.7022	-16.7022	-16.7022	-16.7022	-16.7022	-16.7022	-16.7022	-16.7022	-16.7022	-16.7022	-16.7022	-16.7022	-16.7022	-16.7022	-16.7022	-16.7022	-16.7022	-16.7022	-16.7022
40	5.1250809	4.573963	3.438249	2.636412	2.495134	2.016919	0.691869	-0.42178	-0.47605	0.125091	-0.0147	-0.6166	-1.07759	-3.19193	-1.13438	-0.95291	-9.37908	-11.8515	-14.7801	-15.1208	-15.2069	-16.7561	-19.1384	-20.724	-18.6486	-17.6998	-17.4168	-13.4348	-13.8804	-16.1371	-15.0347	-15.4742	-18.2414	-20.0529	-22.6424	-18.7563	
45	5.1250809	4.495168	3.242887	2.420419	2.152814	1.403709	-0.15458	-1.44318	-1.79335	-1.3045	-1.73206	-2.87475	-3.64287	-6.15026	-10.0768	-11.7032	-14.1684	-15.5037	-18.4191	-17.1208	-18.4459	-21.2585	-24.8825	-24.5458	-18.863	-20.8312	-17.9212	-16.1505	-17.3663	-15.4785	-14.6372	-16.0408	-18.8404	-20.5725	-23.8552	-18.6663	
50	5.1250809	4.419606	3.076298	2.252344	1.833329	0.836297	-0.84534	-2.13698	-2.45505	-2.05884	-3.10919	-5.37331	-6.86164	-9.26899	-11.0226	-11.8699	-14.7475	-17.7946	-27.1636	-22.2136	-17.9357	-14.3641	-15.1099	-16.7535	-16.6946	-24.7756	-16.7938	-17.9875	-24.737	-16.5202	-15.2829	-16.4868	-18.521	-20.3392	-24.8492	-18.5436	
55	5.1250809	4.349973	2.947109	2.143575	1.573075	0.420748	-1.12521	-2.06319	-2.18302	-2.27726	-4.4201	-7.81208	-7.97638	-8.31687	-7.4727	-13.7038	-10.0021	-14.6699	-15.3803	-15.2469	-15.7007	-17.7399	-16.6222	-17.8594	-18.6667	-17.6167	-16.9943	-16.9321	-17.8065	-19.758	-25.4997	-18.859					
60	5.1250809	4.288634	2.860802	2.090043	1.396579	0.211539	-0.92561	-1.32755	-1.46919	-2.32978	-5.28826	-7.53355	-8.58985	-5.5091	-5.11765	-5.37796	-7.5296	-9.46929	-9.30318	-9.55107	-11.5141	-12.8086	-17.0324	-18.7419	-12.3812	-12.8649	-18.6629	-17.4562	-14.3313	-16.8813	-17.8176	-17.3198	-17.3202	-19.2287	-25.567	-18.1943	
65	5.1250809	4.237525	2.819358	2.117579	1.310834	0.179929	-0.44443	-0.36781	-0.65444	-2.0004	-4.77811	-5.85559	-4.84115	-4.98749	-5.19507	-5.23295	-6.55425	-8.80294	-8.32829	-10.1332	-15.2082	-15.8923	-16.5679	-12.8895	-9.90187	-12.2058	-20.7413	-13.3613	-12.3035	-15.7893	-15.9405	-17.4377	-17.2749	-18.8967	-25.1165	-17.9734	
70	5.1250809	4.198076	2.821495	2.193909	1.310762	0.265063	0.132845	-0.617252	-0.258455	-1.35807	-3.62519	-4.87743	-5.02558	-5.65173	-4.24817	-6.07451	-7.30714	-10.1307	-11.7391	-16.2046	-22.6625	-13.009	-10.2674	-11.0504	-10.3506	-15.2255	-15.9636	-10.3487	-12.0439	-15.718	-13.7728	-17.3392	-17.5669	-18.715	-24.1561	-17.7228	
75	5.1250809	4.171184	2.863338	2.321163	1.390025	0.44118	0.764142	1.578103	1.127982	-0.80276	-3.07003	-3.85879	-3.85879	-4.00994	-5.29683	-5.64234	-7.40302	-11.6424	-17.1744	-18.4708	-14.065	-12.004	-12.7029	-12.8698	-13.624	-16.1444	-12.2247	-17.8888	-13.7857	-15.8788	-12.5283	-17.4017	-17.8868	-18.5469	-22.851	-17.7798	
80	5.1250809	4.157215	2.939282	2.492567	1.546034	0.711846	1.421437	2.379833	1.618663	-1.07206	-3.51561	-2.53338	-1.29384	-1.70667	-3.30741	-4.18328	-6.34599	-10.301	-13.3676	-13.0148	-11.4059	-12.0406	-14.364	-15.7543	-15.0073	-12.7954	-11.6176	-11.8038	-16.0532	-14.6529	-12.2715	-18.0003	-17.9192	-18.2743	-21.4128	-17.2102	
85	5.1250809	4.156043	3.042761	2.701616	1.77612	1.059782	2.000316	2.856805	1.572221	-2.43932	-4.86341	-1.84735	-0.26196	-0.77721	-2.23474	-3.67506	-6.35862	-10.3667	-12.386	-11.7829	-11.3411	-12.5093	-13.921	-14.1204	-12.2256	-12.183	-13.7607	-14.4928	-14.5142	-13.1592	-13.0013	-19.3436	-17.6714	-17.8841	-20.0118	-16.9535	
90	5.1250809	4.167122	3.166831	2.94093	2.071478	1.43462	2.398302	2.953488	0.930284	-4.60412	-6.39483	-1.97702	-0.23248	-0.71008	-2.39668	-4.2663	-7.57419	-11.5105	-14.3089	-12.3272	-11.7008	-13.2145	-14.3207	-13.0767	-10.913	-12.9268	-15.2971	-14.1227	-13.0247	-12.7781	-14.6384	-21.3289	-17.4673	-17.4583	-18.749	-16.7115	
95	5.1250809	4.189569	3.304543	3.200731	2.414859	1.789591	2.580247	2.765506	1.062362	-6.40286	-7.487	-2.57508	-8.00235	-11.7445	-3.99063	-7.62599	-8.84819	-12.3433	-14.9772	-12.8474	-13.2344	-13.5257	-13.5283	-13.5884	-12.3588	-13.4538	-14.1041	-13.7948	-13.0896	-16.366	-23.0773	-17.6244	-17.089	-17.6711	-16.425		
100	5.1250809	4.222529	3.449224	3.468005	2.781672	2.110086	2.638877	2.513908	-0.29272	-6.54339	-8.9652	-4.75012	-2.89661	-3.42418	-6.25298	-7.27888	-8.49236	-12.4277	-15.2278	-12.2336	-10.5338	-12.2171	-13.1844	-13.0039	-10.4536	-11.7623	-12.7714	-15.6246	-14.5306	-12.6637	-16.7473	-23.264	-18.2733	-16.8159	-16.7927	-16.3031	
105	5.1250809	4.263915	3.594775	3.727122	3.142094	2.405833	2.744892	2.474892	-0.0243	-5.9055	-8.12397	-7.2895	-6.78905	-8.12397	-7.2895	-6.78905	-8.12397	-7.2895	-15.1723	-11.4129	-11.2131	-12.7443	-13.0615	-10.2989	-11.2131	-12.7443	-13.0615	-10.2989	-11.2131	-12.7443	-13.0615	-10.2989	-11.2131	-12.7443	-13.0615	-10.2989	
110	5.1250809	4.313188	3.736021	3.96197	3.46415	2.68016	2.901463	2.818318	0.923758	-1.94177	-4.12349	-5.88601	-7.76266	-8.76696	-9.70063	-7.96261	-8.76696	-9.70063	-7.96261	-8.76696	-9.70063	-7.96261	-8.76696	-9.70063	-7.96261	-8.76696	-9.70063	-7.96261	-8.76696	-9.70063	-7.96261	-8.76696	-9.70063	-7.96261	-8.76696	-9.70063	
115	5.1250809	4.368732	3.869088	4.158969	3.718975	2.908558	3.19474	3.426336	2.028906	-0.22017	-1.81328	-3.77841	-5.2271	-5.97367	-7.40869	-8.15955	-8.16573	-9.85731	-12.1573	-13.1489	-15.2705	-16.5216	-13.9676	-16.9515	-17.9993	-15.7025	-12.3786	-11.9123	-11.7	-14.5151	-18.913	-17.7973	-19.7655	-16.2872	-15.2885	-15.0401	
120	5.1250809	4.421917	3.991709	4.310161	3.887655	3.042171	3.421366	3.904048	2.824048	1.449945	-1.2557	-2.61577	-3.84802	-4.86947	-6.94575	-9.01361	-10.0526	-12.2893	-14.48	-17.4512	-23.415	-20.8451	-18.2513	-19.4584	-18.4687	-14.3953	-12.6211	-12.883	-13.1215	-16.7564	-17.5533	-16.686	-18.846	-15.0869	-15.1076	-15.0301	
125	5.1250809	4.493535	4.103233	4.414739	3.968271	3.035671	3.867615	3.993166	3.143544	1.953986	-0.21246	-0.63089	-1.40963	-2.77704	-4.76286	-6.12273	-7.15544	-9.4538	-19.954	-24.4348	-20.5757	-18.4953	-22.1063	-21.1446	-16.5071	-13.75	-13.1692	-13.3509	-13.4986	-15.8784	-15.4986	-15.5453	-17.7551	-15.8468	-15.0028	-15.8869	
130	5.1250809	4.560007	4.209447	4.480087	3.984175	2.890280	2.913158	3.800404	2.908738	2.33287	2.270926	1.92575	-0.26359	-1.5039	-5.16693	-9.10789	-10.9728	-11.8303	-13.7647	-15.1606	-14.1815	-15.6452	-19.4454	-17.6114	-14.4771	-13.8266	-13.8202	-14.9448	-14.6223	-14.9526	-16.7118	-15.5436	-15.0				

Raw data – ANT4 (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	5.7206899	6.121106	6.915316	7.154555	6.310819	4.608975	2.437903	0.513523	0.449278	1.155211	-0.367	-2.00331	-1.29673	-3.12478	-4.68381	-5.13909	-8.12483	-12.6135	-12.6562	-11.9514	-15.1224	-19.7164	-19.2687	-17.6186	-33.2213	-16.5446	-16.1941	-13.951	-11.2694	-12.3141	-15.7761	-19.4391	-18.5362	-15.1508	-15.8799	-19.4758
5	5.7206899	6.134887	6.846983	6.972143	6.089811	4.51457	2.789431	1.535538	1.593433	2.102648	0.986994	0.388324	1.073776	0.303991	-2.3273	-2.80257	-4.1336	-7.54739	-8.04097	-8.78748	-10.2425	-12.0842	-12.6412	-14.1663	-20.965	-13.6026	-13.5736	-14.8945	-11.8557	-12.0365	-15.1274	-17.2509	-15.7699	-14.2726	-16.0568	-19.8391
10	5.7206899	6.126524	6.757391	5.865259	4.986638	3.218139	2.306903	1.16198	2.227166	0.955624	0.084664	0.794638	0.180767	-1.85814	-1.80026	-2.95612	-4.18708	-7.37785	-9.03522	-11.0332	-11.0332	-12.0101	-13.8533	-17.6976	-13.8141	-14.3866	-19.7139	-14.4064	-12.7101	-14.4271	-15.2339	-14.1422	-13.7162	-16.302	-20.2032	
15	5.7206899	6.069692	6.500513	6.461051	5.626565	4.59161	3.361584	2.38854	1.822096	1.333402	-0.32069	-2.18104	-2.05184	-2.77473	-4.29757	-3.69463	-4.54163	-7.57469	-8.55895	-9.28808	-10.1879	-11.768	-13.8647	-14.9501	-17.3812	-16.4344	-14.3092	-15.7398	-15.5863	-14.1886	-15.0944	-14.792	-13.5633	-13.5461	-16.6821	-20.5345
20	5.7206899	6.047825	6.350112	6.154006	5.382413	3.404265	3.063118	1.720674	0.737231	0.002184	-1.42532	-3.59556	-5.07524	-5.17088	-11.7168	-9.3206	-13.7036	-13.9002	-14.6958	-16.9601	-16.7886	-16.9601	-16.7886	-16.9601	-20.5562	-13.7433	-13.097	-16.6256	-15.1887	-16.4052	-15.4333	-13.6337	-13.7627	-16.9820	-20.7931	
25	5.7206899	5.981063	6.102123	5.826855	5.127594	3.991042	2.31733	0.45095	-0.47269	-0.44243	-0.80941	-1.94773	-3.38431	-6.57741	-13.373	-12.3753	-13.4343	-18.1007	-18.8141	-17.9875	-17.4498	-20.7508	-22.6572	-20.4058	-24.38	-23.9466	-16.3128	-16.9637	-16.8383	-15.9518	-16.9057	-16.4064	-14.8357	-14.433	-17.3529	-20.941
30	5.7206899	5.899206	5.823314	5.488573	4.860664	3.532384	2.10905	-1.16936	-1.34622	-1.19083	-0.044729	-0.79425	-1.79672	-4.62228	-9.59278	-10.7685	-13.0463	-18.509	-18.2404	-16.7306	-19.7023	-21.5758	-20.9853	-27.268	-25.7919	-18.6743	-17.7858	-23.5742	-18.899	-16.8087	-16.3357	-16.9658	-16.5554	-15.1935	-16.4675	-20.9529
35	5.7206899	5.805156	5.521476	5.149629	4.590336	2.994127	0.08688	-2.88665	-2.23257	-0.52337	-0.42883	-1.16003	-1.86343	-4.60531	-8.73682	-8.86392	-10.2872	-14.228	-14.4163	-15.3423	-21.0986	-26.8287	-25.4936	-25.2796	-23.2998	-17.1273	-15.104	-13.9785	-14.3772	-16.6581	-15.3125	-16.8611	-19.2231	-16.2691	-17.784	-20.8257
40	5.7206899	5.702147	5.205347	4.819587	4.334664	2.490092	-1.27481	-4.39635	-3.35594	-1.4667	-1.59948	-2.35797	-2.83431	-5.9088	-9.55153	-8.06514	-9.2157	-12.7945	-14.9446	-14.8914	-20.8938	-25.3576	-22.3574	-20.8937	-20.8192	-19.5757	-17.0065	-12.8633	-13.2568	-16.5055	-14.2121	-16.3057	-23.4276	-17.4024	-17.7573	-20.5801
45	5.7206899	5.593667	4.884448	4.508171	4.118202	2.160599	-1.85932	-4.93118	-3.67861	-1.75917	-2.20891	-3.2776	-3.6352	-7.55526	-10.1181	-7.25138	-9.25555	-12.7149	-12.7729	-14.1266	-17.3172	-13.4756	-19.0905	-19.3926	-19.2179	-20.0654	-23.0056	-16.3617	-16.3025	-17.1118	-13.4796	-15.6472	-28.1548	-18.3254	-17.5517	-20.2518
50	5.7206899	5.483362	4.568819	4.22401	3.957862	2.109072	-1.41061	-3.62051	-2.5761	-0.67441	-1.72126	-3.68429	-4.50678	-8.06486	-8.35039	-6.26698	-8.43708	-11.6574	-12.0047	-12.5424	-13.3173	-14.5766	-16.0698	-19.1544	-18.1873	-18.4801	-19.7202	-19.7537	-21.9327	-17.0327	-13.4571	-15.211	-24.3811	-18.742	-17.3594	-19.8807
55	5.7206899	5.37493	4.286831	3.97539	3.85331	2.321457	-0.41123	-1.21537	-0.08313	-0.48576	-1.08476	-2.32145	-3.85331	-6.85954	-4.88413	-7.21523	-10.3327	-10.0059	-10.4274	-11.7211	-15.2313	-19.4613	-18.5936	-20.4221	-17.778	-17.6367	-14.0809	-15.1574	-20.0254	-18.6036	-17.1206	-19.5012	-17.1206	-19.5012	-17.1206	-19.5012
60	5.7206899	5.27208	3.993737	3.759591	3.783916	2.66225	1.314692	1.082684	1.796338	2.004624	0.029098	-2.55586	-2.60269	-3.83675	-4.74456	-4.697	-6.9274	-9.31463	-8.93266	-9.02592	-11.8411	-13.127	-18.3135	-18.5895	-13.1474	-17.1533	-25.4787	-16.4387	-15.2402	-15.2899	-14.6389	-15.4692	-17.4891	-18.1803	-16.9469	-19.1385
65	5.7206899	5.178024	3.753229	3.585518	3.718439	2.96439	2.585358	2.861205	3.125344	2.618128	0.369783	-2.01232	-1.85744	-2.86062	-4.09593	-4.77447	-6.48285	-8.56282	-8.27729	-9.09213	-14.3758	-18.789	-26.9179	-15.989	-12.5	-17.0115	-19.946	-15.2691	-15.3347	-13.6151	-14.3383	-16.1163	-16.1617	-17.7805	-16.9669	-18.8082
70	5.7206899	5.0961	3.555075	3.445537	3.631863	3.11482	3.357594	4.105879	4.022233	2.770783	0.000115	-2.14197	-1.70432	-2.4499	-4.1127	-1.11876	-5.56324	-9.00724	-9.9511	-11.728	-20.925	-22.9684	-18.7448	-16.0596	-13.9607	-19.1645	-17.4508	-14.7459	-17.4371	-12.8261	-13.7338	-17.2651	-15.5893	-16.7007	-18.8939	-18.5173
75	5.7206899	5.028891	3.405872	3.347568	3.519278	3.081726	3.805349	4.866435	4.526356	2.529246	0.91712	-2.98989	-1.91935	-2.91	-3.92502	-1.05798	-4.86569	-11.0899	-14.4828	-15.9	-16.432	-22.932	-12.9818	-13.8195	-19.3329	-15.7593	-17.8267	-16.1828	-15.7898	-16.2618	-15.7898	-16.2618	-15.7898	-16.2618	-15.7898	-16.2618
80	5.7206899	4.978478	3.310674	3.294193	3.399782	2.909032	3.920315	5.161335	4.571467	1.835749	-2.62427	-4.14724	-2.35635	-2.6256	-3.83657	-3.98599	-6.20079	-12.4604	-16.5029	-14.4737	-12.0042	-11.8994	-12.9671	-17.8653	-17.9401	-15.4124	-21.1479	-19.7809	-24.9213	-13.2718	-14.9642	-22.8431	-16.2291	-17.5796	-17.2513	-18.0529
85	5.7206899	4.94627	3.227818	3.292072	3.309244	2.629091	3.760361	4.994529	4.0779	0.644582	-4.53057	-8.0196	-3.71347	-3.701	-0.08527	-4.55622	-7.31344	-13.5377	-15.6449	-12.876	-11.59	-12.0641	-12.96	-15.6297	-15.8633	-17.1091	-27.8591	-18.2133	-14.9451	-15.2114	-16.7988	-26.9109	-16.634	-17.5951	-17.5537	-18.6986
90	5.7206899	4.932923	3.293651	3.347871	3.286073	2.744845	3.39608	4.407174	3.057565	0.90702	-5.61797	-5.77042	-4.5356	-4.68992	-5.1943	-6.23935	-8.93358	-13.5463	-15.5766	-15.3554	-14.543	-14.1986	-14.1986	-14.0696	-14.0723	-17.8005	-18.6277	-15.747	-17.5738	-15.4398	-17.8783	-26.0348	-16.7611	-17.5029	-19.7176	-17.7052
95	5.7206899	4.938311	3.372193	3.465581	3.357166	2.377522	2.947052	3.541355	1.662604	-2.64461	-6.01989	-6.07591	-5.51551	-4.78827	-1.44505	-6.92077	-7.58316	-11.0574	-8.2449	-11.2001	-11.6095	-11.6095	-13.5719	-15.4198	-16.2785	-17.3876	-14.2656	-17.6549	-23.8368	-16.6109	-17.3527	-18.2398	-17.3527	-18.2398	-17.3527	-18.2398
100	5.7206899	4.961521	3.504816	3.644297	3.529587	2.432466	2.61766	2.721041	0.316928	-4.50411	-7.56524	-7.20306	-6.73348	-7.0545	-7.99524	-6.87896	-7.29627	-9.10554	-8.8499	-11.581	-12.9172	-14.5293	-15.3084	-17.3951	-14.4855	-15.2623	-15.6742	-18.4853	-15.9994	-13.1205	-17.9438	-22.8925	-16.3476	-17.2822	-18.7222	-17.4044
105	5.7206899	5.000909	3.685119	3.877329	3.789087	2.711572	2.612879	3.386742	-0.18474	-5.19094	-8.95242	-10.1396	-9.82793	-9.75158	-6.78991	-6.92077	-7.58316	-11.0574	-8.2449	-11.2001	-11.6095	-11.6095	-13.5719	-15.4198	-16.2785	-17.3876	-14.2656	-17.6549	-23.8368	-16.6109	-17.3527	-18.2398	-17.3527	-18.2398	-17.3527	-18.2398
110	5.7206899	5.054185	3.904134	4.15302	4.105158	3.121442	2.929739	2.640783	0.33883	-3.8342	-7.99919	-10.4812	-11.48	-12.091	-10.9661	-9.42642	-9.59697	-12.2792	-13.9709	-11.186	-12.0421	-11.8162	-12.0421	-13.7816	-15.7954	-18.3568	-20.0093	-16.3789	-15.6007	-14.6241	-15.3144	-25.4427	-18.9538	-16.3085	-17.9479	-17.9479
115	5.7206899	5.118541	3.504134	4.456938	4.442361	3.551998	3.333696	3.083243	1.022524	-2.79796	-6.15094	-4.86267	-3.10933	-1.7842	-1.0323	-3.98635	-10.4291	-9.3775	-11.7842	-13.6103	-13.2033	-14.0241	-14.0124	-16.7896	-16.6495	-16.6891	-19.0132	-22.6192	-16.6581	-16.3626	-18.8461	-19.5874	-19.5874	-19.5874	-19.5874	
120	5.7206899	5.190808	4.413027	4.77435	4.774109	3.918442	3.988835	3.346414	1.455661	-2.433	-5.37154	-6.02306	-7.17132	-8.77441	-1.8621	-12.7341	-9.74221	-10.5054	-14.8251	-17.5017	-17.037	-15.7227	-15.1602	-17.7886	-22.2728	-19.1851	-17.6826	-18.0791	-16.6567	-16.8346	-17.9002	-15.4459	-17.1563	-20.0053	-19.7061	-16.7363
125	5.7206899	5.267621	4.677936	5.091707	5.091198	4.212994	3.690284	3.412927	2.031024	-0.68013	-2.40663	-6.40731	-3.94809	-3.75881	-1.6217	-11.7321	-10.3463	-11.794	-13.3171	-15.5441	-15.007	-15.7167	-16.1256	-16.7402	-20.6039	-19.0334	-19.1329	-17.1112	-14.6615	-16.161	-16.0398	-15.3404	-18.3806	-20.8712	-19.3071	-16.5541
130	5.7206899	5.345596	4.93334	5.396502	5.399031	4.501861	3.784051	3.554203	3.072196	1.245862	1.237064	0.209641	-1.23708	-4.03579	-7.65673	-9.81787	-11.0996	-12.47414	-13.0152	-15.1419	-13.0895	-13.4972	-17.559	-15.1317	-15.4714	-19.2413	-20.3333	-16.3306	-14.1637	-15.5237	-15.7467	-1				

Raw data – ANT4 (5.865GHz)

Index	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	5.237396	5.40581	5.58966	6.24697	6.05031	6.37584	1.73587	1.35836	2.07013	2.09742	-0.64927	-5.88295	-7.86295	-8.68296	-9.99812	-7.91395	-8.00893	-9.53485	-9.66673	9.52554	-11.6294	-14.9983	-10.084	-11.3403	-13.9497	-21.7284	-18.0347	-14.5874	-17.3238	-15.7027	-14.4401	-17.2422	-12.5559	-12.9624	-19.7677	-12.8995	-14.6716																																																																																																																																																																																																																																																																																																																																																																																																			
5	5.237396	5.536661	5.63762	6.14048	6.07288	3.99626	2.78856	3.12973	2.58239	-1.20512	4.89048	-4.07238	-3.74151	-3.84829	-3.55745	-4.99795	-6.67149	6.97012	6.99064	-9.26234	-14.233	-13.964	-11.5889	-13.6085	-22.6111	-14.861	-12.0004	-16.4608	-18.9808	-14.4689	-14.7477	-12.7134	-18.3148	-18.2127	-12.8966	-14.7775																																																																																																																																																																																																																																																																																																																																																																																																				
10	5.237396	5.532951	5.503678	6.05985	6.078407	4.22494	2.94818	3.12973	2.88635	-1.29651	4.28733	-4.09027	-2.10654	-2.20858	-2.89459	-4.78325	-6.04160	6.75103	6.8359	-8.1143	-12.979	-13.6772	-12.6957	-14.5008	-22.6141	-15.1879	-12.0124	-16.2939	-26.1958	-15.1828	-14.7154	-12.6591	-14.5066	-18.0828	-12.9422	-14.0108																																																																																																																																																																																																																																																																																																																																																																																																				
15	5.237396	5.099728	4.738281	5.74626	6.020881	4.21313	3.16353	3.01693	2.98803	-0.25655	3.53153	-1.19994	-3.47448	-3.92629	-0.58715	-6.52066	-7.5055	-7.71941	-8.00893	-9.64698	-13.192	-14.817	-13.9683	-14.9085	-17.9127	-17.0811	-13.8613	-15.9004	-22.411	-16.7785	-14.5749	-14.1411	-16.5571	-19.3414	-13.7603	-15.1791																																																																																																																																																																																																																																																																																																																																																																																																				
20	5.237396	4.961	4.370395	4.92724	5.80298	4.21363	3.49479	3.43457	2.73203	0.27319	1.62131	-1.401	-4.6578	-3.92629	-0.58715	-6.52066	-7.5055	-7.71941	-8.00893	-10.7721	-13.248	-14.817	-14.585	-17.9127	-17.0811	-13.8613	-15.9004	-22.411	-16.7785	-14.5749	-14.1411	-16.5571	-19.3414	-13.7603	-15.1791																																																																																																																																																																																																																																																																																																																																																																																																					
25	5.237396	4.82088	3.98592	5.022139	5.45476	3.89966	2.86263	2.50061	2.02631	1.09592	0.18593	-2.32823	-2.82464	-1.5192	-8.787545	-9.00219	-7.8364	-9.97527	-14.874	-15.709	-16.6309	-21.647	-20.6907	-21.1402	-15.9347	-20.2818	-18.123	-14.167	-20.1216	-16.782	-18.6661	-20.2229	-16.9288	-16.0929	-13.5317	-16.0067																																																																																																																																																																																																																																																																																																																																																																																																				
30	5.237396	4.68345	3.58159	4.72278	4.948628	3.71753	1.696358	1.46691	0.91903	0.58229	0.28887	-2.04788	-1.61714	-0.39217	-7.79006	-6.68525	-11.2538	-13.913	-12.9843	-13.8556	-21.647	-18.488	-18.996	-20.597	-17.8645	-19.2307	-13.6049	-35.9023	-13.9408	-15.4204	-19.5766	-16.8079	-17.2239	-13.8556	-15.6965																																																																																																																																																																																																																																																																																																																																																																																																					
35	5.237396	4.553472	3.17081	3.93665	4.274	2.68285	1.03382	0.69702	-0.16201	-0.67165	-1.7072	-7.1533	-6.341	-4.7675	-7.28307	-7.79562	-7.5055	-8.38814	-10.196	-10.365	-13.958	-16.6309	-21.647	-20.6907	-21.1402	-15.9347	-20.2818	-18.123	-14.167	-20.1216	-16.782	-18.6661	-20.2229	-16.9288	-16.0929	-13.5317	-16.0067																																																																																																																																																																																																																																																																																																																																																																																																			
40	5.237396	4.434809	2.92566	3.67131	3.541384	1.81095	0.52003	0.68903	-0.46263	-0.55732	-1.30329	-6.24212	-6.90049	-8.26109	-7.5055	-9.35229	-8.00727	-8.702	-10.195	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.504	-10.5671	-10.829	-19.192	-14.648	-10.5671	-10.7291	-9.

Raw data – ANT4 (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	5.5760072	6.243061	6.874705	7.03141	6.980892	4.877198	2.020257	2.402705	2.653623	0.462834	-4.08636	-6.95454	-8.01088	-8.37871	-6.89683	-7.4178	-8.99288	-9.0913	-9.0086	-11.0193	-14.0204	-12.6325	-11.2717	-13.4588	-22.456	-19.0412	-16.0316	-17.3518	-14.6592	-15.0068	-17.0451	-12.5824	-14.8525	-17.0003	-12.1658	-14.0693	
5	5.5760072	6.146129	6.811455	6.934612	6.963816	6.944975	2.854807	3.355371	2.879677	-0.49362	-4.19062	-3.90095	-3.32589	-2.66623	-2.82202	-4.4448	-6.29673	-6.83964	-7.03683	-9.29751	-13.3401	-12.0599	-10.9017	-13.228	-21.6104	-15.2594	-12.6761	-16.3863	-18.2582	-15.079	-14.4558	-12.4156	-15.2247	-17.0894	-12.1764	-14.2946	
10	5.5760072	6.03572	5.93845	6.811673	6.931636	5.062629	4.910138	3.114967	-1.06648	-4.12245	-4.29019	-1.75752	-1.40663	-4.28264	-4.0778	-5.82004	-6.24845	-6.35476	-8.42837	-13.2691	-12.2249	-10.2004	-13.9343	-20.8293	-15.0441	-12.5209	-17.0793	-16.2987	-15.6145	-13.5182	-12.8294	-16.5579	-17.4025	-12.3015	-14.2025		
15	5.5760072	5.914558	5.658178	6.600041	6.828802	5.113033	3.844102	4.40418	3.236133	-0.60113	-3.57886	-3.95904	-2.9488	-3.14044	-1.17731	-5.35164	-6.1328	-6.6577	-5.20686	-9.48727	-14.0692	-14.0725	-13.7528	-14.0319	-17.6699	-16.9456	-14.1529	-16.1589	-21.7427	-17.1953	-14.4828	-14.1861	-18.8036	-17.6769	-12.54	-15.0018	
20	5.5760072	5.785681	5.34502	6.322363	6.619964	5.132868	4.212682	3.06851	1.363085	-1.85797	-3.99492	-3.79779	-5.12841	-6.93098	-6.65358	-5.92826	-7.18366	-7.18366	-7.18366	-10.21396	-16.4657	-18.0912	-14.9786	-15.1009	-18.5301	-15.9968	-13.9963	-18.1648	-19.3709	-17.227	-16.6329	-20.9307	-17.6066	-12.8926	-15.5084		
25	5.5760072	5.652365	5.006099	5.997774	6.28091	4.715313	3.485296	3.594887	2.444784	0.728398	-0.65125	-2.63731	-2.7401	-4.75853	-8.51973	-7.5637	-6.41053	-8.84312	-13.4138	-13.5524	-14.5584	-20.509	-30.6204	-19.0287	-14.0518	-19.635	-16.6999	-12.9164	-20.3098	-17.5828	-18.441	-18.9931	-19.5963	-17.097	-13.364	-16.1357	
30	5.5760072	5.518015	4.651939	5.521675	5.803733	4.211005	2.923532	2.753832	1.393782	0.051252	-0.97531	-2.67564	-2.46536	-4.10938	-7.45764	-7.57976	-7.74165	-10.563	-13.2333	-11.4429	-12.2571	-20.8116	-19.3687	-19.1946	-11.9752	-17.8885	-14.4696	-11.9968	-35.304	-13.2765	-15.3595	-18.1742	-16.7142	-16.4602	-17.9677	-16.9012	
35	5.5760072	5.386042	4.29653	5.027901	5.202433	3.512581	2.267736	2.003076	0.480823	-1.22407	-2.52931	-4.74042	-3.81584	-4.81583	-6.8003	-6.89359	-6.93257	-8.24291	-10.0561	-9.64541	-13.075	-21.8705	-13.2044	-13.3311	-19.8354	-16.9245	-12.1612	-10.8981	-20.3046	-10.5204	-13.212	-15.9648	-14.642	-15.8995	-14.7231	-17.8254	
40	5.5760072	5.259716	3.956464	4.511505	4.518532	2.666758	1.636318	1.723027	0.249439	-1.69102	-3.62027	-6.56659	-6.34334	-7.36153	-8.94806	-8.03661	-7.1332	-8.4253	-10.0495	-10.4895	-18.9653	-14.3057	-10.5941	-10.8915	-19.9316	-20.0287	-11.1763	-10.592	-15.1001	-9.56974	-13.1046	-14.4671	-13.5632	-15.8294	-15.655	-18.932	
45	5.5760072	5.142019	3.648949	4.016883	3.82265	1.765466	1.125608	1.849491	0.955287	-0.70582	-2.72227	-6.52847	-8.84928	-10.7002	-11.814	-9.43414	-7.96628	-9.00317	-9.96631	-12.5322	-18.756	-11.642	-1.01173	-10.901	-10.4043	-17.7151	-10.7936	-11.4162	-13.2473	-10.2565	-14.8602	-13.6159	-13.4787	-16.3392	-16.7782	-20.2431	
50	5.5760072	5.035504	3.388999	3.591045	3.203964	0.940465	0.791302	2.232939	2.012558	0.955392	-0.53429	-3.9398	-9.35388	-15.2927	-16.3115	-11.711	-9.40722	-9.93278	-11.0636	-14.7909	-15.8108	-11.2276	-12.7325	-11.8784	-11.7904	-13.1951	-11.3866	-13.2105	-12.9206	-12.3765	-16.6471	-13.0766	-14.4327	-17.4709	-18.0583	-21.7626	
55	5.5760072	4.942191	3.186659	3.270374	2.743488	0.321085	0.609637	2.672826	3.054152	2.606083	1.804238	-0.56645	-4.84251	-9.60185	-12.1758	-13.1511	-12.7432	-13.6218	-13.8492	-16.3558	-14.751	-11.7473	-12.0421	-12.6874	-12.2915	-12.66	-14.1542	-15.0175	-13.8343	-14.8709	-14.8138	-12.8564	-16.7104	-18.942	-19.325	-23.4198	
60	5.5760072	4.836496	3.045429	3.06945	2.484318	-0.01937	0.48673	2.98463	3.812358	3.736327	3.348967	1.754005	-1.24935	-4.21954	-7.74863	-11.1012	-14.3934	-14.9599	-20.4919	-18.0935	-12.4626	-13.1387	-13.2048	-12.2626	-14.5489	-15.2876	-14.0744	-15.6136	-14.7833	-12.4782	-13.2276	-20.663	-19.5211	-20.166	-24.9283		
65	5.5760072	4.800212	2.962575	2.979312	2.422304	-0.06532	0.356352	3.053518	4.162773	4.210393	3.942228	2.727506	3.950832	-2.1945	-3.59273	-5.39529	-8.91514	-12.4214	-12.7627	-13.9695	-16.3482	-15.6598	-15.1096	-12.6622	-12.3356	-13.9492	-11.8583	-12.137	-15.1807	-12.8392	-11.6846	-14.2335	-21.8192	-18.0589	-20.116	-25.6575	
70	5.5760072	4.752521	2.93111	2.975526	2.518489	0.157706	0.252323	2.88275	4.153236	4.217234	3.862909	2.876646	0.905788	-1.72802	-3.87653	-6.03812	-9.6435	-13.1556	-12.7441	-11.6224	-12.6056	-14.407	-14.8868	-13.6955	-13.0599	-12.3634	-11.1727	-11.5353	-12.474	-11.5891	-12.2952	-14.8895	-16.9337	-15.7857	-19.2164	-25.1242	
75	5.5760072	4.720045	2.942407	3.029305	2.719822	0.567894	0.23977	2.533906	3.811415	3.786414	3.194687	2.2561	0.271873	-1.68514	-4.46073	-6.75877	-9.98787	-11.645	-13.5299	-12.9149	-13.0332	-16.1376	-21.7767	-16.7812	-13.8307	-13.65	-13.5462	-11.7915	-11.4844	-13.3507	-13.7662	-13.364	-13.88	-23.7182			
80	5.5760072	4.701899	2.988364	3.115338	2.969908	1.031117	0.277618	2.024235	3.035402	2.585367	1.305502	-0.60721	-0.9488	-1.68694	-4.83449	-6.16211	-7.22031	-9.98984	-14.2322	-16.0784	-16.0006	-16.2326	-16.9254	-13.1154	-14.163	-16.0851	-14.0513	-12.0388	-11.4588	-12.0884	-13.5297	-11.9917	-11.1	-12.5963	-16.7612	-22.0993	
85	5.5760072	4.696755	3.062313	3.215022	3.221867	1.427735	0.228222	1.315433	1.740165	0.321286	2.56134	-0.46967	-4.5279	-5.0587	-6.60956	-7.67466	-8.91114	-12.0465	-16.3309	-20.6571	-23.7076	-17.2737	-14.2852	-12.3132	-14.2631	-13.9963	-11.7909	-12.3539	-12.7738	-12.4575	-12.6312	-11.0222	-10.446	-11.8961	-15.6902	-20.5959	
90	5.5760072	4.702903	3.160056	3.316666	3.448689	1.72405	0.022537	0.440868	1.015214	2.75942	8.71847	-11.1103	-7.83999	-7.0149	-7.5561	-8.50423	-10.0326	-11.6656	-15.2102	-14.3825	-20.9577	-19.8907	-17.1431	-14.2638	-14.2371	-13.1256	-11.4405	-11.8876	-12.5532	-12.8356	-12.8992	-11.1705	-10.5712	-11.6757	-14.8471	-19.2956	
95	5.5760072	4.718291	3.27722	3.41474	3.646964	1.991558	-0.15121	0.32275	-1.18203	0.56275	-0.14518	-10.7065	-9.4638	-9.91913	-16.7325	-16.7366	-14.9435	-15.8751	-14.2331	-11.447	-10.5475	-15.7953	-14.5751	-14.233	-11.447	-10.5475	-15.7953	-14.5751	-14.233	-11.447	-10.5475	-15.7953	-14.5751	-14.233	-11.447	-10.5475	-15.7953
100	5.5760072	4.740584	3.410136	3.508157	3.830069	2.355641	0.000407	-0.47423	-1.32687	-4.58693	-11.1899	-14.4547	-11.3602	-10.9098	-11.1417	-11.8219	-14.8218	-16.6556	-17.4521	-17.449	-16.5117	-15.2116	-14.3482	-15.3713	-15.4589	-13.5075	-11.0944	-10.0888	-11.0551	-13.5803	-13.4752	-12.4031	-12.1756	-12.0546	-13.6777	-17.2843	
105	5.5760072	4.76722	3.55525	3.598692	4.014174	2.890122	0.91633	0.102337	-0.61243	-2.88021	-7.01917	-9.13537	-8.58599	-9.0085	-10.1229	-10.2617	-11.4829	-13.3189	-15.0737	-17.499	-14.2636	-14.9199	-13.4075	-11.2861	-10.0212	-10.2417	-11.2855	-11.005	-11.3181	-12.4808	-12.5307	-12.3307	-12.5307	-12.3307	-12.5307	-12.3307	
110	5.5760072	4.795474	3.706655	3.696043	4.206341	3.553528	2.054643	0.94664	0.02438	-1.7529	-4.67875	-6.44521	-7.40089	-8.11866	-11.1029	-11.8047	-12.794	-15.628	-16.0648	-16.865	-17.1718	-17.2773	-17.4477	-16.7081	-14.4985	-12.2881	-10.7397	-9.82927	-9.68644	-9.88565	-9.34342	-9.88833	-11.8909	-12.2666	-13.053	-15.9023	
115	5.5760072	4.822549	3.858383	3.784952	4.402858	4.236115	3.173707	1.75395	0.34635	-1.21491	-3.36424	-5.12905	-6.26035	-6.85805	-10.4571	-11.6204	-13.1649	-16.8715	-20.1328	-18.7818	-20.1328	-18.7818	-17.7742	-17.8432	-15.4798	-12.7797	-10.6738	-10.1356	-10.3577	-10.6968	-10.3169	-9.8787	-9.8512	-10.9892	-12.1418	-12.9335	-15.9271
120	5.5760072	4.845699	4.003562	3.88939	4.597195	4.842847	4.118659	2.531617	0.745162	-0.61322	-2.32064	-4.54066	-6.82871	-8.65386	-9.81469	-11.5458	-13.6774	-17.3466	-24.8053	-23.7807	-24.4684	-14.92	-14.1349	-13.3341	-11.9183	-10.5269	-9.8787	-10.6601	-12.1013	-11.6968	-9.39708	-8.67276	-10.3211	-12.0443	-12.9565	-14.9801	
125	5.5760072	4.862192	4.13507	4.007552	4.789107	5.325049	4.838407	3.284206	1.463486	0.76127	-1.39778	-4.48374	-7.91853	-10.0248	-10.5259	-13.0677	-11.6046	-15.9511	-21.8071	-19.4649	-13.4348	-10.403	-14.835	-12.6229	-10.9732	-9.86168	-9.32745	-11.1877	-11.6366	-9.79229	-8.75447	-10.0744	-12.1397	-13.1362	-14.6899	-15.9231	
130	5.5760072	4.869723	4.245958	4.142307	4.989616	5.673166	5.30134	3.851179	2.164625	1.056635	-0.59736	-3.93617	-8.19737	-11.502	-12.9518	-12.6787	-13.0876	-15.3899	-16.1299	-15.8382	-12.2534	-9.56383	-9.81144	-11.268	-12.9348	-10.9601	-9.08499	-9.21347	-10.6024	-10.8401	-9.74522						

Raw data – ANT5 (2.4GHz)

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	4.61979229	4.862431	4.853819	5.135827	5.601466	5.682759	5.514248	5.296804	4.662787	3.597348	2.53635	1.264522	-0.53054	-2.06599	-3.4649	-4.60884	-8.71815	-9.84366	-11.3057	-11.0546	-8.97029	-8.45287	-8.53812	-8.11343	-8.98577	-11.9607	-16.7059	-17.3692	-17.4593	-14.1668	-14.0165	-15.5852	-14.9842	-13.7889	-13.3416		
5	4.61979229	5.016169	4.937301	5.127275	5.646462	5.742714	5.646118	5.144504	4.536797	3.47188	2.32376	1.035327	-0.82303	-2.42103	-3.84437	-5.52717	-8.16254	-9.92711	-12.4407	-13.9974	-11.1023	-10.5346	-9.8282	-8.74842	-8.70703	-10.6088	-13.7321	-14.0115	-15.5991	-15.5579	-14.312	-15.5887	-16.0102	-15.6969	-14.0243	-13.3343	
10	4.61979229	5.186153	5.026866	5.130121	5.719751	5.874169	5.533523	5.090664	4.496624	3.476116	2.29780	0.706402	-1.012	-2.57104	-3.25072	-4.81565	-6.8086	-7.84895	-10.3286	-13.9988	-12.3232	-12.7552	-10.4574	-9.56708	-10.3289	-11.647	-11.0093	-12.5616	-13.1444	-14.2863	-13.1444	-14.7682	-15.0901	-16.5341	-14.4411	-13.3731	
15	4.61979229	5.355177	5.131977	5.146713	5.827277	6.019122	5.606771	5.153159	4.544143	3.573025	2.403982	0.575954	-1.16653	-2.48177	-3.22873	-4.50666	-6.83851	-6.72118	-8.2205	-10.5568	-11.8878	-10.4576	-9.56708	-10.4576	-11.4596	-10.8597	-10.4466	-9.21374	-12.3754	-12.174	-11.8508	-13.7643	-18.146	-17.1189	-15.0106	-14.5584	
20	4.61979229	5.507857	5.218965	5.184086	5.956562	6.269903	5.90157	5.280293	4.658657	3.722255	2.203338	0.541198	-1.28107	-2.88429	-3.66953	-4.96478	-5.86941	-6.35919	-7.8442	-9.40263	-10.8999	-14.562	-17.9447	-18.9047	-13.944	-11.7065	-10.5044	8.44378	-9.14641	-10.6589	-10.5596	-12.8915	-17.1178	-17.3635	-15.7137	-13.569	
25	4.61979229	5.653367	5.325057	5.238736	6.019164	6.461667	6.092638	5.435646	4.80912	3.89443	2.36881	0.628014	-1.28635	-3.13715	-4.51278	-6.28862	-7.11852	-7.79311	-9.4988	-10.5706	-11.9269	-15.2456	-17.4481	-20.3841	-15.9255	-12.4724	-11.0755	-8.59035	-8.79324	-9.02626	-10.0119	-12.2718	-15.65	-16.9816	-16.5515	-13.7123	
30	4.61979229	5.790862	5.434581	5.308373	6.218887	6.618483	6.238734	5.587576	4.97297	4.075849	2.589309	0.847392	-1.08643	-3.19745	-4.52946	-6.29986	-7.29107	-8.06436	-9.53157	-11.4804	-15.9005	-19.7005	-22.9627	-17.1605	-17.0023	-13.396	-13.3558	-9.68137	-9.34759	-9.95471	-9.98767	-11.9322	-14.4011	-16.3323	-17.3552	-13.8746	
35	4.61979229	5.919461	5.546695	5.391476	6.331398	6.725378	6.336974	5.728742	5.134695	4.270079	2.872116	1.219513	-0.64589	-2.84827	-4.52143	-6.45746	-7.5829	-12.4737	-20.0148	-23.0182	-20.4892	-26.762	-24.8105	-24.8487	-18.131	-14.9558	-14.3436	-11.8749	-11.0046	-10.7638	-10.4645	-11.8814	-13.5832	-15.7056	-18.1342	-14.0464	
40	4.61979229	6.038231	5.688466	5.485104	6.430231	6.804141	6.407481	5.869955	5.325619	4.486363	3.161425	1.68951	-0.63636	-2.1876	-4.50208	-7.50252	-9.7417	-11.0966	-15.8123	-18.1939	-15.3515	-22.7225	-28.4887	-27.7821	-20.7039	-15.9255	-14.9986	-14.1424	-12.423	-11.4375	-12.1059	-13.1927	-15.2311	-18.7175	-14.2183		
45	4.61979229	6.146186	5.760066	5.585836	6.521334	6.869116	6.4762	6.011225	5.519635	4.723221	3.523805	2.1882	0.576436	-1.42429	-3.60274	-6.28061	-8.42308	-9.38231	-12.9912	-14.6664	-11.9214	-13.7182	-16.0165	-13.9365	-13.1635	-14.0953	-15.6843	-14.256	-15.7345	-18.1429	-14.819	-12.8456	-12.4964	-13.1092	-14.8991	-18.9765	-14.3821
50	4.61979229	6.242282	5.87443	5.689776	6.610933	6.963674	6.559714	6.16425	5.712656	4.960318	3.863479	2.646093	1.155716	-0.67469	-2.65571	-5.107	-7.1322	-9.9926	-11.3439	-12.9204	-10.1012	-11.7104	-13.0416	-11.1157	-12.5525	-16.5169	-16.5614	-14.3237	-12.77	-13.1079	-14.6252	-18.8705	-14.5312	-14.2183			
55	4.61979229	6.32544	5.972224	5.792591	6.701554	7.012444	6.658262	6.309452	5.878515	5.163182	4.139248	2.991033	1.619555	-0.02869	-1.81083	-3.95955	-5.69402	-6.85853	-9.32327	-10.6871	-8.52886	-9.95895	-10.8358	-8.20413	-8.36562	-9.43372	-8.8352	-9.8459	-12.752	-15.4628	-14.9454	-12.5964	-12.9337	-14.3164	-14.843	-14.6617	
60	4.61979229	6.394573	6.059118	5.889439	6.790494	7.092958	6.7859	6.426621	5.989422	5.297053	4.304572	3.169699	1.930321	0.507484	-1.24237	-3.0667	-4.95719	-7.58277	-9.6556	-7.45404	-9.4079	-8.05313	-7.2543	-7.57904	-8.42703	-7.74966	-6.45831	-6.06497	-13.3454	-14.2162	-11.9775	-12.4931	-13.9335	-17.9547	-14.7726		
65	4.61979229	6.448635	6.131447	5.974796	6.87077	7.16645	6.843709	6.50141	6.03239	5.34592	4.34558	3.176033	1.980527	0.556958	-1.04924	-2.65133	-3.92015	-4.8495	-6.83355	-7.73308	-7.10122	-8.9642	-10.0547	-7.56945	-8.06813	-8.8892	-7.85067	-8.27436	-9.99863	-11.9132	-12.9685	-11.2628	-11.9274	-13.5081	-17.4524	-14.8655	
70	4.61979229	6.486669	6.185303	6.042452	6.933427	7.221	6.902637	6.53594	6.022433	5.329349	4.302655	3.083211	1.931063	0.531089	-1.07742	-2.57124	-3.8228	-4.86226	-6.81436	-7.70416	-7.24281	-9.30079	-10.9113	-8.60307	-9.56421	-10.835	-9.15503	-9.23318	-10.5172	-11.3318	-12.0164	-10.7615	-11.4361	-13.104	-17.0347	-14.9443	
75	4.61979229	6.507878	6.216094	6.086094	6.970156	7.294033	6.935055	6.549736	6.001265	5.301609	4.262349	3.033367	1.934996	0.579688	-0.95123	-2.34643	-3.57424	-4.55565	-6.42426	-7.41632	-6.92371	-8.81417	-10.6691	-9.13792	-10.9127	-11.808	-11.6073	-11.3832	-12.1425	-11.4187	-11.4695	-10.5696	-11.1123	-12.7661	-16.755	-15.014	
80	4.61979229	6.511683	6.223099	6.05555	6.975653	7.250951	6.948805	6.56758	6.013657	5.320156	4.301926	3.1356	1.229925	0.87643	-0.40876	-1.70735	-2.81101	-3.56575	-5.41246	-6.19103	-7.58758	-8.96227	-10.2747	-10.472	-14.6619	-14.2819	-14.7851	-14.8489	-11.9273	-11.2456	-10.6137	-10.9235	-10.3003	-16.6252	-15.0798		
85	4.61979229	6.497775	6.201869	6.083327	6.949108	7.229344	6.951911	6.60036	6.073106	5.399909	4.422210	3.35565	2.456179	1.301728	-0.117761	-0.99314	-1.9634	-2.52519	-4.17517	-5.02336	-6.79008	-6.27441	-7.56466	-7.21361	-9.28763	-12.6648	-14.7088	-18.5498	-18.2427	-12.6209	-11.2059	-10.7392	-10.7738	-12.2832	-16.6356	-15.1465	
90	4.61979229	6.466161	6.152664	6.034914	6.894532	7.180395	6.94531	6.633689	6.14834	5.489894	4.544245	3.55108	2.7424	1.599303	0.698114	-0.69313	-1.61404	-2.22575	-3.10768	-4.78647	-6.38535	-7.50086	-7.70266	-8.28028	-11.3354	-13.6513	-18.9183	-19.8789	-13.3695	-11.2885	-10.8231	-10.5904	-12.0868	-16.7616	-15.2179		
95	4.61979229	6.417179	6.076471	5.959354	6.818364	7.133661	6.916099	6.63585	6.184877	5.551201	4.573844	3.584365	2.785808	1.590704	0.338228	-0.81704	-1.93686	-2.88646	-4.3953	-5.73291	-5.69152	-7.61134	-8.98423	-8.07849	-9.64043	-11.3934	-13.3004	-16.9677	-18.3608	-14.1786	-11.5175	-10.8672	-10.3828	-11.9009	-16.9671	-15.2927	
100	4.61979229	6.351503	5.9756	5.861878	6.72713	7.061201	6.854625	6.574569	6.13801	5.506753	4.549944	3.598976	2.95453	1.269425	-0.191	-1.15859	-2.56286	-3.68461	-4.78735	-7.04924	-7.03214	-8.15262	-10.264	-10.3719	-11.5359	-12.6623	-14.005	-15.7509	-16.6008	-15.0423	-11.9226	-10.9807	-10.228	-11.7406	-17.2076	-15.3583	
105	4.61979229	6.270121	5.853301	5.747562	6.624397	6.980804	6.746406	6.433939	5.990225	5.348466	4.187354	3.10177	2.177564	0.692238	-1.03376	-2.48225	-4.17645	-5.98811	-8.34625	-11.0366	-10.7132	-14.0023	-17.5549	-13.4566	-14.092	-14.7199	-15.3328	-14.7977	-15.4957	-15.7309	-12.4589	-11.2912	-10.2157	-11.6374	-17.4358	-15.4876	
110	4.61979229	6.174297	5.713329	5.619989	6.509328	6.848077	6.588857	6.217229	5.749095	5.086663	3.801637	2.481625	1.597409	-0.0321	-2.08789	-3.6512	-5.6444	-7.38778	-9.54372	-15.4372	-13.1909	-20.3414	-21.1534	-15.6528	-16.5456	-16.2839	-14.197	-14.734	-15.8071	-13.0034	-11.8879	-10.4117	-11.6245	-17.6101	-15.6033		
115	4.61979229	6.06552	5.559618	5.48101	6.37667	6.692992	6.384314	5.940616	5.437452	4.740296	3.346035	1.891173	0.932478	-0.59797	-2.99337	-4.7107	-7.01114	-8.79398	-12.9191	-16.9443	-14.2901	-15.8607	-18.1878	-14.997	-15.1179	-16.8717	-15.9878	-13.4215	-13.8514	-15.1414	-13.4425	-13.8518	-11.7263	-17.7056	-15.7365		
120	4.61979229	5.945447	5.39611	5.331385	6.217963	6.492094	6.13761	5.621745	5.06559	4.333812	2.862719	1.308706	0.264691	-1.55956	-3.31551	-5.03754	-7.3356	-13.9297	-17.3366	-18.2598	-17.7433	-13.9943	-15.5366	-15.0322	-13.7203	-11.5753	-11.8077	-13.3427	-14.0871	-15.5849	-12.4907	-12.3061	-17.6846	-16.0734			
125	4.61979229	5.815836	5.226742	5.171708	6.07513	6.230002	5.848475	5.269393	4.648333	3.877988	2.36489	0.766804	-0.00772	-1.71938	-3.43365	-5.07739	-8.49896	-9.31555	-12.6613	-16.5037	-17.7643	-15.5659	-17.7743	-14.2493	-13.5871	-14.2465	-12.8392	-11.02	-11.2043	-12.947	-14.7331	-17.1672	-13.6461	-12.7759	-17.6252	-16.2892	
130	4.61979229	5.678488	5.054545	5.003532	5.786583	5.914276	5.437987	4.717143	3.732929	1.861496	0.251074	0.90772	-0.70829	-4.7128	-6.73047	-8.63496	-9.15259	-12.0666	-15.5668	-13.8974	-16.4542	-18.3688	-14.2293	-13.5871	-14.1426	-12.5892	-11.02	-11.2043	-12.94								

Raw data – ANT5 (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	5.7022507	5.841036	5.931796	6.214959	6.594654	6.608478	6.236631	5.777167	5.061741	3.902527	2.62316	1.232966	-0.27544	-1.8887	-2.80355	-4.70089	-6.67541	-8.09523	-10.1686	-12.2245	-11.7422	-12.0008	-12.2832	-10.8153	-11.0242	-13.4514	-15.1803	-15.9596	-13.3151	-10.2281	-9.51995	-10.3956	-11.3916	-14.25	-18.6545	-15.3683	
5	5.7022507	5.938301	5.926622	6.123035	6.555163	6.578829	6.094725	5.406942	4.755362	3.582462	2.153427	0.718151	-1.004043	-2.45705	-3.79084	-6.08101	-8.38027	-10.7762	-11.4505	-11.3341	-11.4802	-12.4038	-12.4108	-15.7991	-16.4824	-15.0651	-11.3975	-9.89449	-10.4508	-11.4695	-14.0655	-18.6039	-15.4026	-15.5082	-15.3683		
10	5.7022507	6.034708	5.927333	6.042618	6.527051	6.579945	6.043309	5.303821	4.489548	3.33237	1.765177	0.169054	-1.62426	-3.22687	-3.59785	-6.10818	-8.51262	-10.9623	-11.5289	-9.66672	-10.823	-13.6203	-15.7821	-15.8475	-14.2333	-14.3781	-15.3237	-14.8178	-14.9411	-12.244	-10.0689	-10.4058	-11.5598	-13.9229	-18.7111	-15.5083	
15	5.7022507	6.130345	5.936259	5.977622	6.508714	6.600051	6.067019	5.206775	4.284816	3.16777	1.51254	0.34734	-1.67943	-4.109	-4.88418	-6.13782	-6.95297	-8.62184	-10.0956	-9.76971	-10.8804	-13.5641	-16.6787	-17.8903	-14.7949	-13.4045	-13.652	-12.2811	-12.871	-12.2438	-10.0135	-10.1723	-11.5146	-13.7653	-18.9628	-15.6862	
20	5.7022507	6.225183	5.954479	5.929342	6.493976	6.620561	6.118448	5.176026	4.137978	3.075763	1.403941	0.73659	-2.7676	-4.79885	-6.73375	-8.37887	-8.91593	-9.85049	-10.1431	-11.3473	-12.2548	-14.407	-16.0653	-17.1358	-13.9781	-12.1981	-12.1082	-10.5401	-10.9843	-11.6775	-9.86189	-9.82269	-11.2744	-13.5478	-19.3132	-15.9359	
25	5.7022507	6.310193	5.981813	5.896209	6.474347	6.618937	6.147881	5.166238	4.035203	3.032165	1.4067	0.91883	-2.6764	-4.93788	-6.32791	-8.10561	-11.1421	-12.5849	-13.7564	-13.9771	-14.7845	-16.1527	-16.1063	-15.9318	-13.5777	-11.8277	-11.433	-9.90791	-10.0653	-11.1241	-9.77846	-9.51952	-10.9285	-13.2683	-19.6746	-16.2546	
30	5.7022507	6.411431	6.017087	5.874303	6.445968	6.586989	6.126973	5.141815	3.965532	3.017709	1.470222	-0.89126	-2.56596	-4.58346	-5.81861	-10.6489	-11.6227	-15.147	-16.0079	-15.3746	-16.9091	-17.2896	-16.3696	-15.262	-14.0935	-12.7061	-11.8505	-10.4589	-10.2724	-11.0077	-9.88772	-9.41006	-10.6458	-12.9692	-19.9145	-16.6379	
35	5.7022507	6.501745	6.085888	5.857597	6.407243	6.528888	6.055164	5.000219	3.926342	3.025103	1.55349	-0.72526	-2.27117	-4.13871	-5.78113	-10.7437	-11.8711	-13.7811	-14.7811	-15.66229	-15.2438	-16.9997	-17.4365	-16.6314	-14.6893	-14.9181	-14.7446	-13.385	-12.3732	-11.8047	-11.5758	-10.2887	-9.5849	-10.567	-12.7055	-19.889	-17.0784
40	5.7022507	6.589029	6.104521	5.840105	6.360447	6.461924	5.953379	5.019632	3.920394	3.056742	1.641702	-0.489	-1.97682	-3.82367	-5.34631	-9.27648	-10.8946	-15.2532	-16.408	-16.6734	-17.6959	-18.4908	-17.0908	-13.7218	-14.1775	-15.8809	-15.2863	-15.8928	-15.2623	-13.0599	-11.0816	-10.0766	-10.7558	-12.5109	-19.5209	-17.5657	
45	5.7022507	6.672105	6.153302	5.817402	6.308946	6.397804	5.847312	4.945839	3.948949	3.116429	1.740884	-0.20136	-1.65851	-3.54128	-4.84735	-9.19376	-11.31	-15.769	-16.2849	-16.7623	-18.5082	-17.9896	-16.082	-12.4506	-12.7151	-15.8809	-15.2863	-15.8928	-15.2623	-13.0599	-11.0816	-10.0766	-10.7558	-12.5109	-19.5209	-17.5657	
50	5.7022507	6.74958	6.203551	5.788053	6.255519	6.345337	5.752996	4.878764	4.004917	3.198204	1.852402	0.130231	-1.26705	-3.12906	-5.95997	-8.14906	-10.6159	-15.3868	-16.4306	-17.4229	-15.8405	-16.8124	-15.4911	-11.4196	-10.6748	-11.2948	-12.629	-15.7776	-15.0804	-10.1758	-14.1017	-11.7929	-11.7662	-12.2941	-18.0438	-18.6626	
55	5.7022507	6.819097	6.253528	5.753845	6.201088	6.305027	5.671727	4.818628	4.008414	3.278657	1.955522	0.45651	-0.85529	-2.64121	-4.97945	-7.12967	-10.0769	-10.9427	-12.6933	-13.4935	-13.9668	-14.1296	-14.2464	-11.504	-13.305	-10.2409	-10.9143	-12.663	-16.902	-15.8548	-12.6713	-12.3208	-12.2148	-17.2223	-19.1607		
60	5.7022507	6.881461	6.302265	5.718736	6.148897	6.26676	5.600652	4.762703	4.116493	3.323119	2.00469	0.709452	-0.54932	-2.27088	-4.2028	-6.17104	-8.0536	-9.66915	-11.509	-12.3482	-12.945	-13.7284	-14.7585	-11.3338	-10.4103	-11.1554	-13.8035	-18.1284	-16.4108	-13.2596	-12.7108	-12.1418	-16.5024	-19.4696			
65	5.7022507	6.933636	6.346312	5.687008	6.098221	6.229289	5.538581	4.714048	4.1272505	3.3008	2.000093	0.829345	-0.41046	-2.08599	-3.71008	-5.67159	-7.65516	-9.2038	-11.8995	-13.4964	-15.3295	-15.6466	-17.8731	-13.6627	-13.6542	-12.8818	-11.1427	-10.9027	-12.6479	-15.0577	-15.4187	-13.5185	-12.9041	-12.104	-15.9476	-20.1954	
70	5.7022507	6.971944	6.382777	5.661603	6.052005	6.189774	5.489489	4.683252	4.106721	3.245331	1.967076	0.899443	-0.45873	-1.92268	-3.24038	-5.12779	-6.99798	-8.06475	-11.0257	-13.1904	-15.2801	-16.3356	-19.0924	-14.0158	-15.7683	-17.1311	-13.0558	-11.7314	-12.7906	-13.447	-14.0974	-13.6175	-12.9727	-12.1453	-15.5898	-20.6673	
75	5.7022507	6.99818	6.408187	5.643416	6.013622	6.151035	5.458139	4.681526	4.083126	3.184455	1.970402	0.970232	-0.27397	-1.59084	-2.58118	-4.17764	-5.25816	-6.40703	-8.11334	-9.69591	-9.68164	-12.2145	-13.5104	-11.6938	-14.4079	-19.9843	-15.6402	-13.591	-14.0115	-12.8737	-13.2166	-13.7373	-12.9923	-12.2976	-15.4399	-21.111	
80	5.7022507	7.000010	6.419337	5.631678	5.986124	6.117821	5.445521	4.711146	4.08983	3.180052	1.970402	1.112229	-0.013258	-1.12775	-1.90327	-3.1667	-4.1149	-6.30735	-8.25563	-9.69584	-9.11275	-10.1055	-11.3131	-12.1315	-16.3302	-16.8232	-16.4779	-16.3429	-13.1031	-12.9377	-13.9595	-12.9715	-12.5603	-15.4936	-21.5344		
85	5.7022507	7.001764	6.413836	5.624807	5.972227	6.093964	5.447575	4.761639	4.134494	3.244776	2.168235	1.250814	0.287862	-0.75761	-1.50992	-2.58892	-3.40679	-6.34142	-8.88812	-5.8918	-16.5078	-7.9087	-8.78675	-8.5483	-10.9936	-13.7593	-15.672	-19.8083	-20.1169	-14.0429	-13.2504	-14.1881	-12.8706	-12.8916	-15.7334	-21.9479	
90	5.7022507	6.990284	6.390462	5.620992	5.972815	6.078771	5.457273	4.815182	4.190878	3.338302	2.270933	1.324649	0.436269	-0.64551	-1.5723	-2.62183	-3.54768	-6.09847	-8.25711	-6.35742	-6.9194	-8.28194	-9.2144	-8.74641	-10.9609	-12.8711	-14.3229	-20.6748	-26.2093	-15.7208	-14.1308	-14.4411	-12.6736	-13.2179	-16.127	-22.3611	
95	5.7022507	6.958455	6.349246	5.618268	5.986328	6.070666	5.4683	4.857041	4.222151	3.405969	2.310314	1.253955	0.401258	-0.70174	-1.96309	-3.15355	-4.37032	-5.1027	-6.78531	-8.19767	-7.94751	-9.94276	-11.0538	-9.81006	-11.6014	-12.9721	-13.6018	-18.7567	-20.5439	-18.3288	-15.5764	-14.7312	-12.4406	-13.4645	-16.6243	-22.7793	
100	5.7022507	6.91291	6.291345	5.614407	6.008998	6.066175	5.478416	4.883818	4.212171	3.423398	2.289409	1.085543	0.45991	-1.06695	-2.59229	-3.67935	-4.5991	-6.0028	-9.0305	-11.1004	-12.3609	-13.3173	-11.2698	-13.3258	-13.4757	-13.4539	-17.0678	-25.0728	-22.4139	-17.598	-15.1774	-12.2889	-13.5947	-17.1556	-23.2015		
105	5.7022507	6.854813	6.218791	5.607115	6.036112	6.063734	5.490785	4.905146	4.178561	3.410092	2.251357	0.910662	0.085345	-1.30035	-3.05472	-4.42343	-6.20198	-8.09843	-11.1257	-13.9312	-12.6464	-14.6951	-15.8363	-12.5653	-12.9524	-14.0862	-13.7729	-16.2104	-21.4023	-29.2182	-20.1342	-15.941	-12.336	-13.6258	-17.6352	-23.6169	
110	5.7022507	6.785675	6.134271	5.594621	6.063543	6.063952	5.512319	4.938467	4.162088	3.412231	2.25802	0.828601	0.065566	-1.37332	-3.58747	-4.64555	-6.74635	-8.19356	-14.7417	-16.3415	-16.3504	-16.4747	-13.9577	-13.5355	-13.8825	-14.4747	-15.8884	-18.8803	-28.9459	-22.645	-17.183	-12.661	-13.6074	-17.9798	-24.0095		
115	5.7022507	6.707279	6.041001	5.576336	6.088342	6.06829	5.549366	4.909898	4.201537	3.471828	2.322623	0.889552	0.137619	-1.26294	-3.07334	-4.40843	-6.1538	-8.1066	-11.2478	-13.5877	-14.2237	-17.3009	-17.6232	-14.4018	-14.288	-15.8896	-15.2889	-15.6447	-16.9994	-22.6677	-23.4667	-19.0181	-13.2933	-13.5908	-18.1368	-24.3557	
120	5.7022507	6.621595	5.942713	5.553152	6.107894	6.076345	5.602174	5.088864	4.309141	3.600915	2.462983	1.078088	0.286459	-1.02785	-2.66035	-4.00415	-5.87424	-7.98425	-11.6717	-13.6771	-15.5759	-15.5237	-14.971	-16.6455	-15.7369	-15.1886	-15.0897	-17.0942	-22.0427	-21.3	-14.2128	-13.6155	-18.1076	-24.6125			
125	5.7022507	6.530084	5.843692	5.527279	6.118462	6.08289	5.604642	5.191615	4.461466	3.77435	2.632148	1.289266	0.507034	-0.77315	-2.09931	-3.65855	-5.06485	-6.27321	-8.60538	-10.078	-10.4999	-14.2426	-16.1523	-13.8258	-15.2603	-16.7438	-15.6046	-14.6525	-13.917	-17.0121	-20.0814	-22.8546	-15.3535	-13.7142	-17.9427	-24.8184	
130	5.7022507	6.463607	5.748757	5.501857	6.114787	6.076682	5.703217	5.276474	4.611031	3.943411	2.775372	1.40668	0.60347	-1.06996	-2.53559	-4.94697	-6.13005	-7.44889	-10.0699	-13.5589	-13.6868	-15.3389	-16.7399	-15.4121	-14.3782	-13.3654	-15.9059	-18.473									

Raw data – ANT5 (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	6.4803461	6.640771	6.736153	6.935349	6.953195	6.538884	5.885918	5.079008	4.002189	2.813065	1.56619	-0.01964	-1.24615	-3.15085	-4.67318	-6.87837	-9.80955	-10.909	-14.0918	-17.3936	-16.174	-15.8183	-15.1215	-12.7091	-12.2515	-14.2481	-15.9907	-16.4458	-16.0308	-13.4758	-12.1853	-12.438	-12.906	-15.4339	-20.2036	-16.0903
5	6.4803461	6.721118	6.743018	6.852439	6.879799	6.457229	5.726543	4.769492	3.572012	2.393241	1.017426	-0.66529	-2.76019	-4.76583	-6.05118	-6.80839	-8.59829	-9.78945	-12.3766	-14.6648	-15.9286	-16.6892	-13.2308	-12.6883	-14.6407	-16.1442	-17.5934	-17.7154	-14.2308	-12.2694	-11.906	-12.0855	-14.4006	-19.6953	-16.2113	
10	6.4803461	6.799701	6.754492	6.791349	6.848439	6.447045	5.684171	4.582219	3.254775	2.098087	0.602686	-1.20127	-2.55168	-4.0155	-5.33797	-6.66574	-8.12349	-8.78606	-10.2919	-12.3316	-12.7384	-14.7832	-16.8426	-13.6351	-13.1384	-14.9273	-16.4444	-18.7409	-19.752	-15.1428	-12.2982	-11.3947	-11.4699	-13.5875	-19.2405	-16.3776
15	6.4803461	6.87642	6.771309	6.7541	6.858498	6.502222	5.744763	4.534831	3.073424	1.937531	0.36323	-1.20147	-2.70594	-4.30348	-5.75558	-7.60807	-8.02111	-8.51093	-10.6244	-11.293	-11.7324	-13.8173	-15.9694	-13.3051	-12.6453	-16.2356	-18.4187	-20.3644	-15.9306	-12.2338	-10.9261	-10.9558	-12.9626	-18.8468	-16.5901	
20	6.4803461	6.951118	6.792871	6.737079	6.897114	6.594967	5.859003	4.581497	3.011206	1.892882	0.295257	-1.82007	-2.9454	-4.50724	-6.37554	-7.23195	-8.40593	-9.15927	-10.1637	-11.4437	-11.7669	-13.6893	-15.2616	-13.0968	-12.8354	-13.7705	-15.222	-16.6348	-18.5033	-16.1925	-12.1505	-10.5947	-10.6578	-12.5166	-18.6028	-16.8502
25	6.4803461	7.022539	6.817589	6.732355	6.945314	6.690727	5.971842	4.664712	3.030474	1.933381	0.361335	-1.88007	-2.97563	-4.55812	-6.72754	-7.23195	-8.98221	-10.4726	-12.2782	-12.8455	-14.0413	-14.751	-12.0968	-12.4581	-13.9221	-14.8901	-16.3187	-17.815	-12.1534	-10.4979	-10.5662	-12.236	-14.405	-17.1559	-16.1554	
30	6.4803461	7.09331	6.843418	6.73014	6.982194	6.761969	6.0602	4.70036	3.097436	2.030491	0.509648	-1.78949	-2.88476	-4.2568	-6.19585	-7.88771	-9.30021	-11.027	-12.4385	-12.8088	-12.982	-14.0666	-14.1897	-11.8124	-11.4133	-12.2852	-12.921	-13.822	-14.9371	-15.0743	-13.2139	-10.6097	-10.6995	-12.1047	-18.275	-17.5034
35	6.4803461	7.159909	6.868417	6.712271	6.99347	6.794771	6.071012	4.789258	3.194779	2.169605	0.691089	-1.40747	-2.73774	-4.21849	-7.06845	-7.71135	-9.68911	-11.8894	-12.6659	-12.6282	-13.0184	-15.9351	-13.9258	-12.5584	-12.4581	-13.9258	-14.7006	-15.4778	-12.7041	-11.2176	-11.1652	-12.1018	-18.1276	-17.8899	-16.2113	
40	6.4803461	7.222663	6.89117	6.699252	6.972566	6.788359	6.055258	4.815433	3.31538	2.327226	0.869055	-1.40179	-2.63969	-4.01166	-6.98311	-7.71565	-9.90167	-11.9249	-12.4605	-12.6134	-13.2819	-14.492	-14.6085	-11.7853	-11.7519	-12.6814	-12.515	-13.5898	-14.7999	-15.5994	-13.3817	-12.0768	-11.6562	-12.2004	-18.1318	-18.3087
45	6.4803461	7.280748	6.91944	6.661395	6.920536	6.750087	6.014283	4.820219	3.446851	2.480251	0.869055	-1.22117	-2.58824	-4.1365	-7.16358	-8.2318	-9.3234	-12.125	-13.7759	-13.4463	-14.4556	-16.395	-16.7326	-12.8061	-12.5391	-13.5354	-12.8807	-13.8952	-15.6135	-15.2405	-14.463	-13.3049	-12.4454	-12.3044	-18.7519	
50	6.4803461	7.333202	6.927517	6.608931	6.843721	6.689168	5.970878	4.819309	3.563691	2.617029	1.127972	-1.05588	-2.53999	-4.02445	-7.43961	-8.0198	-10.2029	-13.0718	-15.1925	-15.0695	-16.2951	-19.2821	-20.1982	-14.4696	-13.9586	-14.1712	-13.2309	-13.9778	-16.2144	-16.3734	-16.054	-14.967	-13.37	-12.5805	-18.3498	-19.2097
55	6.4803461	7.379863	6.94084	6.56142	6.750767	6.612236	5.882123	4.780701	3.633252	2.690271	1.173781	-0.89241	-2.4125	-4.2007	-7.36078	-8.28336	-10.7605	-14.9415	-16.7664	-16.4621	-18.7578	-21.0067	-22.1761	-16.4782	-14.6916	-14.3555	-13.4193	-13.7388	-16.0233	-17.4508	-18.0353	-16.963	-14.3041	-12.8176	-18.5943	-19.67
60	6.4803461	7.416917	6.950589	6.478773	6.650077	6.52226	5.782632	4.692664	3.623347	2.673762	1.134876	-0.75716	-2.21297	-4.04654	-6.82654	-8.85079	-14.5098	-14.2702	-16.6046	-16.9046	-20.5727	-21.8422	-18.8602	-16.7396	-14.6676	-13.7096	-13.4607	-15.2301	-17.6311	-19.3989	-18.8531	-15.0557	-13.0845	-13.9949	-18.5905	-19.673
65	6.4803461	7.445908	6.955719	6.412187	6.548184	6.420165	5.655985	4.54898	3.523019	2.555564	0.998802	-0.70832	-2.05336	-3.85931	-6.1274	-7.92575	-9.61919	-12.487	-15.0877	-16.6135	-22.0426	-24.6989	-23.5651	-22.9078	-18.8585	-15.9396	-14.5732	-13.5169	-14.592	-16.9012	-18.675	-19.3323	-15.4529	-13.4034	-19.6116	-20.5429
70	6.4803461	7.465111	6.954729	6.349954	6.449181	6.307262	5.504598	4.361795	3.432244	2.349939	0.776238	-0.7823	-2.0284	-3.76564	-5.54782	-7.1139	-8.74018	-10.5151	-12.9334	-15.1181	-18.4474	-24.7449	-25.5136	-26.8524	-25.2688	-19.0541	-16.4852	-14.1878	-14.5178	-16.045	-16.7931	-18.1449	-15.815	-13.8019	-20.079	-20.9263
75	6.4803461	7.473512	6.945618	6.293419	6.355272	6.187049	5.345113	4.1097979	3.119332	2.101389	0.513387	-0.95276	-2.13078	-3.78217	-5.16797	-6.61823	-8.00194	-8.80615	-10.776	-12.7428	-13.8739	-17.2962	-19.2768	-19.7998	-29.8527	-25.7495	-19.9865	-15.7168	-15.156	-15.531	-15.1501	-16.6072	-15.2793	-14.2014	-21.614	-21.2573
80	6.4803461	7.470582	6.926487	6.242345	6.26833	6.066055	5.195716	3.985363	2.911694	1.876604	0.284164	-1.13627	-2.2612	-3.84095	-4.9653	-6.1395	-7.50342	-7.63662	-9.2421	-10.8269	-10.9102	-14.7367	-14.9605	-19.6168	-25.9529	-24.4057	-18.417	-16.5716	-15.4288	-14.0808	-15.4345	-14.9867	-14.8452	-23.1209	-21.5279	
85	6.4803461	7.456029	6.895978	6.196036	6.191714	5.953397	5.075371	3.86986	2.77553	1.741851	0.163305	-1.23791	-2.30202	-3.85875	-4.90289	-6.2187	-7.34878	-7.14061	-8.61467	-9.96341	-9.38531	-11.0215	-12.4448	-12.3144	-15.2855	-19.0968	-21.9333	-22.3961	-18.743	-15.6589	-13.5406	-14.7097	-14.6643	-15.3876	-24.8707	-21.7364
90	6.4803461	7.429901	6.865976	6.154146	6.131109	5.863291	4.99859	3.835169	2.745541	1.738667	0.19708	-1.19548	-2.26929	-3.77889	-4.92382	-6.25288	-7.5435	-7.3041	-8.76107	-10.2226	-9.8589	-10.3748	-11.6634	-10.9881	-13.0041	-15.6275	-17.6789	-23.8953	-21.1895	-16.1339	-13.4306	-14.3413	-14.3265	-15.8129	-26.6374	-21.8077
95	6.4803461	7.392589	6.799582	6.116671	6.093435	5.807145	4.973977	3.856162	2.83133	1.87754	0.395364	-0.98169	-1.87779	-3.51348	-4.90342	-6.25883	-7.88036	-7.93922	-9.30025	-11.515	-9.43020	-10.7699	-11.9882	-10.5573	-11.8274	-13.776	-15.1084	-20.5369	-22.3839	-16.8344	-13.6684	-14.2277	-14.0057	-16.0455	-27.805	-21.9924
100	6.4803461	7.344819	6.735084	6.083317	6.084184	5.797718	5.005298	4.014195	3.028027	2.149533	0.744644	-0.58513	-1.57815	-3.07446	-4.64981	-5.95385	-7.82065	-11.2304	-11.9045	-10.4982	-11.9328	-13.2069	-10.8143	-11.495	-12.9276	-13.789	-17.9473	-21.8335	-17.8473	-14.2004	-14.3117	-13.7752	-16.0984	-27.7847	-20.6649	
105	6.4803461	7.287607	6.661529	6.028626	6.104596	5.839325	5.092487	4.209124	3.325595	2.536753	1.219183	-0.61063	-1.7015	-3.28426	-4.02091	-5.19946	-7.27695	-8.64784	-11.6711	-14.6808	-11.7461	-13.8786	-15.2419	-11.6751	-11.7569	-12.8863	-13.4126	-16.7802	-21.0776	-19.3602	-14.9981	-14.5922	-13.725	-16.0617	-26.8625	-22.12
110	6.4803461	7.222209	6.580558	6.03064	6.150067	5.92799	5.23085	4.457047	3.705744	3.011788	1.779175	-0.671857	-1.08024	-3.07825	-4.10286	-5.19246	-7.27697	-7.64681	-10.2953	-13.1672	-12.2008	-13.5762	-17.6994	-13.6955	-13.5408	-13.7744	-16.6404	-20.631	-21.603	-16.0398	-15.7255	-13.9304	-16.0373	-25.6907	-22.1716	
115	6.4803461	7.150055	6.493915	5.991149	6.210194	6.049584	5.409292	4.741714	4.138642	3.532713	2.365888	-1.3826	-0.85483	-2.66648	-2.06647	-2.9836	-4.68492	-6.16418	-8.31242	-10.5779	-11.1906	-15.5061	-18.4106	-14.259	-14.0852	-14.6105	-14.5859	-17.005	-19.9175	-24.6368	-17.2605	-15.8596	-14.4364	-16.0917	-24.6098	-22.2308
120	6.4803461	7.072673	6.403526	5.954676	6.27021	6.182226	5.690914	5.039555	4.579528	4.042738	2.906324	-2.006628	-1.50917	-2.66949	-2.12568	-3.69033	-4.92138	-6.60599	-8.7813	-16.6399	-14.1259	-15.8484	-15.4684	-15.3615	-17.1851	-18.5517	-25.7884	-18.4543	-16.7979	-15.2531	-16.2515	-13.9042	-23.6982	-22.6926	-22.4014	
125	6.4803461	6.99162	6.311681	5.912378	6.313627	6.299836	5.80334	5.316707	4.972488	4.478236	3.328383	-2.45819	-1.941673	-0.919753	-0.791133	-1.70597	-3.13479	-4.28951	-6.11282	-7.90063	-8.74712	-12.3252	-15.1764	-13.8645	-14.9025	-15.6158	-15.6922	-16.8463	-17.054	-23.7684	-19.2132	-17.6941	-16.3646	-16.5224	-22.9483	-22.4014
130	6.4803461	6.908415	6.221199	5.864849	6.235932	6.376558	5.959749	5.532712	5.26191	4.783426	3.578781	-2.635367	-2.107489	-0.960126	-0.76802	-1.79406	-3.2781	-4.38391	-6.36927	-8.07094	-8.65364	-12.5635	-12.5057	-13.2102	-14.307	-15.3931	-15.7366	-16.4109	-16.0058	-21.4145	-19.2121	-18.2088	-17.1			

Raw data – ANT6 (2.4GHz)

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	6.7525903	6.822586	6.636612	6.198861	5.856616	5.485557	4.824356	4.198973	3.696233	3.247906	2.8423502	0.896007	-0.246641	-1.42005	-2.49927	-4.41703	-6.37835	-8.30697	-10.24842	-12.18479	-15.9393	-19.4771	-26.0098	-32.2228	-32.0093	-35.9559	-41.7685	-45.9637	-44.2027	-33.7456	-13.8096	-14.2194	-18.3759	-18.7551	-33.4215		
5	6.7525903	6.914720	6.704814	6.235908	6.026115	5.748589	5.082888	4.568501	4.207315	3.409833	2.866614	1.510647	0.398829	-0.98827	-2.09235	-3.57549	-5.42690	-6.7154	-8.74047	-11.3487	-14.2677	-17.4179	-26.3002	-38.0068	-48.8425	-58.8117	-67.2875	-78.8419	-81.1425	-55.8117	-15.2357	-18.8633	-14.411	-15.5166	-15.8463	-33.8633	
10	6.7525903	7.006594	6.778048	6.281129	6.197533	6.009578	5.342948	4.926546	4.669334	3.825554	2.765716	1.93101	0.780799	-0.57225	-1.51293	-3.12228	-4.80661	-5.5989	-7.58198	-9.85177	-14.96767	-19.2243	-33.686	-48.0074	-58.4474	-67.2473	-77.274	-67.681	-46.559	-15.9104	-14.9515	-15.6756	-16.288	-18.8992	-31.7177		
15	6.7525903	7.098644	6.858357	6.334722	6.326992	6.25017	5.59464	5.244189	4.999322	4.120692	3.05826	2.185511	0.915392	-0.39323	-1.21919	-2.59195	-4.5535	-5.75445	-6.6429	-9.07565	-12.0193	-17.1096	-24.3039	-39.1245	-44.6139	-56.2143	-61.8118	-66.5302	-47.7534	-12.6218	-16.6108	-18.7954	-29.7989	-31.7831			
20	6.7525903	7.189457	6.944843	6.395812	6.514473	6.471922	5.823263	5.491887	5.237222	4.302004	3.19011	2.304529	0.94452	-0.36711	-1.2283	-2.91122	-4.36713	-4.26837	-6.05229	-7.66316	-6.57941	-9.90497	-9.91025	-8.73911	-8.96799	-11.3744	-11.5183	-12.7085	-15.0844	-16.183	-16.52	-14.8665	-15.6707	-16.7684	-18.6795	-20.7085	
25	6.7525903	7.277986	7.035719	6.462763	6.695038	6.661581	6.011131	5.648927	5.351313	4.379802	3.250188	2.31719	0.919377	-0.41676	-1.20472	-3.05143	-4.36076	-4.19659	-6.02626	-7.66306	-6.57941	-9.90497	-9.91025	-8.73911	-8.96799	-11.5918	-11.1672	-11.8432	-14.3262	-15.6138	-16.1375	-14.9098	-15.5408	-16.7752	-18.5623	-20.6273	
30	6.7525903	7.36313	7.128473	6.533385	6.750093	6.81086	6.148534	5.709523	5.344609	4.367757	3.23494	2.25436	0.87823	-0.469	-1.36813	-3.08109	-4.29916	-4.42045	-6.35886	-7.82903	-7.11037	-9.07153	-11.4108	-13.9605	-11.3287	-13.1939	-11.9986	-11.828	-14.1136	-15.5679	-15.8096	-14.9098	-15.3751	-16.6881	-18.4723	-25.6066	
35	6.7525903	7.443754	7.220123	6.650203	6.8279	6.914976	6.15877	5.685769	5.239906	4.285091	3.161195	2.14758	0.78243	-0.47161	-1.49813	-3.06770	-4.25534	-4.65041	-6.39298	-7.85995	-10.5795	-13.4103	-13.2057	-14.7639	-15.5945	-13.7738	-12.3692	-14.2557	-16.0505	-15.8379	-15.1521	-15.2452	-16.5696	-18.488	-24.7144		
40	6.7525903	7.518727	7.307508	6.674635	6.880466	6.974566	6.264472	5.60667	5.079690	4.157947	3.042676	2.018179	0.817758	-0.4379	-1.54401	-2.85388	-3.92851	-4.69511	-6.54642	-8.2449	-8.93989	-11.6027	-14.5502	-16.359	-13.991	-18.2727	-15.5608	-13.0168	-14.4475	-16.8135	-16.3875	-15.6908	-15.2162	-16.4578	-18.3893	-24.0272	
45	6.7525903	7.58694	7.38756	6.738894	6.912683	6.99636	6.262609	5.511872	4.917549	4.017735	2.890758	1.866571	0.834392	-0.46033	-1.5965	-2.73795	-3.79735	-4.70367	-8.13467	-9.25842	-11.643	-14.115	-16.4361	-19.2167	-17.3379	-15.6727	-13.3054	-14.5015	-17.5013	-17.5441	-16.6789	-15.3806	-16.3543	-18.3536	-23.4522		
50	6.7525903	7.647349	7.457505	6.794368	6.930422	6.991667	6.242409	5.440359	4.803281	3.89722	2.720526	1.680775	0.688803	-0.65152	-1.81567	-2.947	-4.08979	-5.05185	-6.75425	-8.58634	-9.59383	-11.433	-13.9702	-14.2006	-15.562	-15.5029	-14.5867	-13.2266	-14.5111	-17.9504	-19.2813	-18.0899	-15.4924	-16.2303	-18.2718	-22.9867	
55	6.7525903	7.699004	7.514085	6.83775	6.938058	6.972714	6.226743	5.417785	4.767139	3.82624	2.561453	1.467369	0.562757	-1.05559	-2.28287	-3.49149	-4.93968	-5.85266	-7.85142	-9.94752	-10.0557	-11.331	-12.927	-12.1969	-12.9548	-14.3268	-13.8722	-13.2355	-14.7238	-18.3384	-21.151	-19.6113	-15.7103	-16.0442	-18.1079	-22.9676	
60	6.7525903	7.741081	7.558099	6.866114	6.936767	6.94825	6.220037	5.448116	4.811971	3.826344	2.462255	1.281114	0.05552	-1.57888	-2.8954	-4.6146	-6.33348	-6.92358	-9.2452	-11.7022	-10.2909	-10.8903	-12.1158	-10.6939	-11.2929	-13.7458	-14.0473	-13.7695	-15.3228	-18.8484	-21.7841	-20.5112	-15.9061	-15.7652	-17.8434	-22.2719	
65	6.7525903	7.772921	7.585418	6.877132	6.92434	6.920447	6.223232	5.531366	4.914189	3.826054	2.475034	1.215849	0.08852	-1.97527	-3.35282	-5.5145	-7.45624	-7.35452	-9.65139	-11.5992	-10.6875	-10.391	-13.6797	-15.1877	-15.0654	-16.2894	-19.2505	-20.488	-20.2334	-16.0367	-15.3914	-17.4855	-22.0077	-21.7665	-22.2719		
70	6.7525903	7.794064	7.596031	6.869281	6.896222	6.884367	6.220782	5.573905	5.031423	4.035099	2.616526	1.338172	-0.15841	-1.97728	-3.34948	-5.72128	-7.53591	-6.87511	-8.80715	-10.5928	-8.57955	-9.14388	-10.4766	-9.37148	-10.2659	-14.3256	-17.2851	-17.0678	-17.2062	-18.8981	-18.5961	-19.2023	-16.0734	-14.9515	-17.0642	-21.7765	
75	6.7525903	7.804276	7.589654	6.84212	6.847033	6.829643	6.195701	5.607557	5.113872	4.17956	2.841355	1.615256	0.16911	-1.54816	-2.88751	-5.13882	-6.70655	-6.11853	-7.89544	-9.43019	-7.92544	-8.95792	-10.8031	-9.824	-10.9879	-16.0247	-19.83	-18.7571	-17.2188	-17.6292	-17.0191	-18.0895	-16.0195	-14.495	-16.6211	-21.955	
80	6.7525903	7.803574	7.566778	6.796711	6.772155	6.743251	6.125284	5.562742	5.11525	4.27588	3.053886	1.920633	0.636004	-0.92262	-2.25201	-4.20455	-5.63903	-5.57052	-7.40547	-8.90251	-7.905	-9.49568	-12.0619	-11.1001	-12.5849	-18.9315	-20.4195	-18.2294	-16.1082	-16.1215	-15.9558	-17.2223	-15.9282	-14.0755	-16.1973	-21.4549	
85	6.7525903	7.792238	7.528819	6.736058	6.669334	6.612549	5.989218	5.418691	4.998684	4.261034	3.145411	2.102246	0.16767	-1.39828	-2.74488	-4.7848	-5.36082	-4.7386	-5.31248	-7.188	-8.69259	-10.5503	-13.7262	-13.1881	-14.9209	-21.2999	-18.4494	-16.4349	-14.735	-14.9808	-15.4368	-16.7185	-15.8886	-13.7374	-15.8255	-21.3548	
90	6.7525903	7.770808	7.478146	6.665196	6.540082	6.428462	5.77142	5.159003	4.735993	4.072239	3.021188	2.031951	1.19915	-0.20358	-1.6046	-2.91877	-4.21558	-5.38894	-7.17106	-8.95456	-9.59583	-11.8757	-14.881	-15.4827	-17.5	-20.0874	-16.6809	-15.119	-13.8146	-14.4738	-15.5019	-16.6336	-15.9639	-13.5057	-15.5265	-21.2932	
95	6.7525903	7.749003	7.417921	6.590538	6.390278	6.188793	5.463396	4.775336	4.304422	3.656237	2.607062	1.614322	0.795755	-0.50991	-1.99169	-3.1206	-4.37751	-5.60099	-7.66838	-9.05247	-9.37583	-11.7149	-15.877	-17.152	-19.5668	-16.8678	-16.0308	-14.7273	-13.6422	-14.7528	-16.2338	-17.0079	-16.1827	-13.5081	-15.3087	-20.2767	
100	6.7525903	7.700965	7.351733	6.518423	6.229393	5.901181	5.06864	4.266846	3.679586	2.965708	1.850747	0.779187	-0.07031	-1.42675	-3.04318	-4.17602	-5.47391	-6.46391	-9.20788	-10.6329	-13.489	-17.2066	-18.959	-20.1085	-20.3743	-18.52	-16.4721	-15.2996	-14.3725	-15.9076	-17.7678	-17.8602	-16.4903	-13.3403	-15.1696	-21.2745	
105	6.7525903	7.65465	7.28308	6.453342	6.068329	5.584382	4.607789	3.644174	2.85099	1.919887	0.717739	-0.52221	-1.584382	-3.06318	-4.39356	-5.4671	-6.71328	-7.76078	-9.98969	-12.3229	-14.1673	-14.24	-24.3488	-26.7974	-20.3327	-18.8679	-18.1088	-17.5404	-16.8072	-16.1981	-18.2829	-20.2615	-19.1636	-16.7618	-13.3374	-15.9022	-21.804
110	6.7525903	7.602314	7.214875	6.396729	5.916468	5.365902	4.12102	2.939027	1.838758	0.64287	-0.78981	-2.30799	-3.80552	-5.4671	-6.71328	-9.30541	-11.3033	-13.6773	-16.2638	-18.7732	-16.6774	-20.0428	-22.8337	-16.3283	-16.1362	-18.2532	-18.0203	-18.9961	-19.9448	-22.4822	-23.385	-20.5264	-16.8306	-13.3228	-15.0847	-21.3629	
115	6.7525903	7.545179	7.149117	6.346997	5.770027	4.974684	3.66457	2.21513	0.677462	-0.91401	-2.50262	-4.53315	-6.7652	-8.51976	-10.0124	-13.0809	-14.4958	-13.1775	-15.4026	-16.1876	-13.7255	-15.45137	-15.9004	-13.4827	-14.0493	-16.2283	-17.215	-20.7632	-19.7416	-28.6532	-24.1698	-20.9955	-16.5917	-13.2662	-15.1163	-21.4311	
120	6.7525903	7.484242	7.086487	6.300858	5.65926	4.779016	3.286534	1.567726	-0.45544	-2.49532	-4.46733	-7.02065	-10.2499	-11.6189	-12.5157	-14.553	-14.5063	-12.382	-13.1622	-13.2239	-11.871	-12.3999	-13.3551	-12.2872	-13.1617	-14.9171	-16.2829	-20.793	-28.2273	-26.0245	-21.5833	-20.0819	-16.1121	-13.1813	-15.1926	-21.5088	
125	6.7525903	7.421132	7.028387	6.252588	5.543148	4.53934	3.054447	1.09488	-1.35636	-3.70303	-6.01706	-9.38686	-13.2774	-13.7633	-13.7731	-14.5815	-14.2779	-12.9158	-13.1536	-12.9397	-11.8678	-12.543	-13.8423	-16.2625	-13.5724	-14.9473	-16.2086	-20.1372	-24.4991	-21.5613	-19.1652	-18.6156	-15.6012	-13.1234	-15.323	-20.5808	
130	6.7525903	7.356262	6.973732	6.209334	5.436519	4.391897	2.939002	0.847009	-1.86137	-4.31283	-6.87711	-11.1381	-14.6496	-14.8958	-15.6914	-15.1864	-15.751	-15.7799	-14.6764	-15.1887	-14.3893	-15.709	-16.3689	-17.2659	-20.1287	-22.1005	-19.2589	-17.6914	-27.52								

Raw data – ANT6 (2.45GHz)

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	7.744411	5.96697	7.169321	6.675608	6.193661	5.540122	4.6803	3.852341	3.047131	2.011342	0.847559	-0.24944	-1.54486	-2.50968	-3.20022	-3.72215	-4.08301	-4.31639	-4.42355	-4.40778	-4.28155	-4.03495	-3.68759	-3.26888	-2.80465	-2.31547	-2.13422	-19.0776	-17.1848	-16.0003	-15.6578	-15.209	-15.2	-16.0302	-19.1353	-25.4531	
5	7.744411	7.685143	7.240585	6.702439	6.266899	5.655391	4.78324	4.000616	3.313848	2.345807	1.171552	0.118633	-1.17375	-2.25968	-3.82002	-5.02165	-5.72125	-6.10454	-6.25888	-6.30068	-6.22227	-6.00328	-5.64787	-5.18326	-4.62577	-4.21702	-3.92821	-17.4342	-16.3259	-15.2123	-14.9306	-15.0302	-14.8803	-15.2352	-19.0802	-25.3152	
10	7.744411	7.775161	7.320298	6.740472	6.354548	5.7808	4.905143	4.147214	3.537925	2.609198	1.408003	0.380428	-0.82322	-2.33636	-4.38754	-5.15234	-6.09134	-7.01897	-8.62833	-10.19125	-12.0643	-14.2527	-17.7948	-17.1279	-17.9716	-20.6993	-19.7574	-20.1895	-20.9818	-18.9111	-17.0256	-15.2709	-14.6891	-15.6099	-18.2833	-24.6773	
15	7.744411	7.865867	7.407286	6.788929	6.452576	5.931459	5.043825	4.286811	3.709183	2.785614	1.574388	0.556331	-0.73525	-2.18081	-4.16791	-5.25061	-6.64001	-8.62809	-10.81852	-13.9185	-16.1891	-18.5091	-20.40523	-24.7911	-26.4449	-17.0439	-19.9039	-19.5979	-17.4762	-15.3771	-14.5267	-15.3639	-17.887	-24.1821			
20	7.744411	7.956209	7.499916	6.846811	6.555355	6.085447	5.192241	4.412948	3.825766	2.895699	1.681358	0.670483	-0.63142	-2.07168	-3.99001	-4.97789	-6.4003	-8.29815	-10.25906	-10.0391	-8.98888	-10.3839	-12.125	-12.3362	-13.7188	-14.8911	-14.4878	-14.8382	-17.8161	-19.1786	-17.5735	-15.5522	-14.4494	-15.132	-17.5809	-23.7179	
25	7.744411	8.045406	7.596211	6.931325	6.658449	6.238925	5.340293	4.519642	3.89198	2.948518	1.746152	0.742602	-0.54018	-1.96622	-3.88006	-4.76794	-6.25743	-8.08818	-10.71289	-12.96301	-14.70231	-17.294	-12.2721	-13.7518	-13.7152	-16.3116	-18.5109	-17.5164	-15.8435	-14.4641	-14.9463	-17.3878	-23.3029				
30	7.744411	8.132155	7.693982	6.986793	6.757552	6.381259	5.477169	4.60273	3.91628	2.958225	1.771301	0.782008	-0.46633	-1.84774	-3.78024	-4.61527	-6.0931	-8.10681	-10.21574	-12.94702	-15.87257	-10.4001	-12.508	-12.1028	-13.2528	-14.685	-14.0604	-13.4743	-15.5992	-18.2718	-17.6023	-16.3117	-14.5693	-14.83	-17.3098	-23.0049	
35	7.744411	8.215458	7.700956	7.066373	6.850702	6.507044	5.593777	4.661228	3.907499	2.936801	1.761786	0.78518	-0.4637	-1.73451	-3.72044	-4.51205	-5.91166	-6.25673	-8.43785	-10.2407	-15.1262	-11.5813	-13.4809	-13.3675	-14.967	-16.2011	-15.3039	-13.9233	-15.5221	-18.6128	-18.0273	-17.0144	-14.7573	-14.7913	-17.3308	-22.7071	
40	7.744411	8.294243	7.884892	7.149792	6.937126	6.610978	5.685033	4.698539	3.885132	2.893733	1.712183	0.73797	-0.4337	-1.67603	-3.70866	-4.24624	-5.761	-6.39726	-8.55919	-10.498	-14.4324	-13.0794	-15.7971	-15.2788	-17.6384	-18.8143	-17.3686	-14.8634	-15.8694	-19.3965	-18.8479	-17.9867	-15.0157	-14.8226	-17.4175	-22.608	
45	7.744411	8.367461	7.973665	7.234285	7.016763	6.69176	5.751499	4.72301	3.856207	2.838404	1.622215	0.625735	-0.41585	-1.71306	-3.78071	-4.23768	-5.7668	-6.55621	-8.63871	-10.6812	-11.141	-14.1585	-17.3747	-16.9137	-20.3292	-22.2684	-19.9537	-16.0641	-16.4259	-20.2787	-19.9601	-19.1973	-15.3264	-14.9009	-17.5233	-22.0058	
50	7.744411	8.434109	8.055303	7.316568	7.089477	6.751469	5.799563	4.746988	3.837125	2.783721	1.503959	0.471292	-0.6053	-1.93627	-3.01157	-4.88773	-6.07818	-6.86133	-9.08019	-11.6607	-11.5569	-14.4402	-17.494	-16.8888	-19.7979	-23.9266	-22.2391	-17.302	-17.0121	-20.8017	-20.9909	-20.4415	-15.6628	-14.9935	-17.5945	-22.4543	
55	7.744411	8.493252	8.12798	7.393159	7.154546	6.794577	5.839099	4.783695	3.841047	2.748296	1.38765	0.228409	-0.89419	-2.2769	-3.50525	-4.02509	-5.07787	-7.37537	-9.51011	-11.9667	-12.6284	-14.2541	-16.785	-15.72	-17.2887	-21.8219	-23.1903	-18.45	-17.5193	-20.6903	-21.2768	-21.2003	-15.9892	-15.0664	-17.5832	-22.4332	
60	7.744411	8.544052	8.190006	7.46073	7.209975	6.826051	5.881538	4.842187	3.877267	2.754022	1.3181501	0.028669	-1.2093	-2.66565	-3.87929	-5.75799	-7.51809	-9.98095	-10.3152	-12.5644	-12.0904	-14.0711	-16.2159	-14.7024	-15.4464	-19.5905	-22.8637	-19.4506	-17.8878	-20.0154	-20.4792	-20.9152	-16.2652	-15.0942	-17.4612	-22.4321	
65	7.744411	8.585789	8.239839	7.516394	7.253522	6.84905	5.930894	4.922041	3.946631	2.817345	1.33965	-0.07405	-1.24961	-2.46312	-4.4421	-8.2503	-18.3842	-10.8866	-13.1405	-12.8866	-13.4209	-14.5588	-18.4041	-21.8186	-20.0825	-18.0426	-19.9882	-19.0698	-19.7485	-16.4593	-15.0671	-17.228	-22.4444				
70	7.744411	8.617901	8.276165	7.557975	7.282215	6.863036	5.984047	5.010245	4.06665	2.936739	1.465196	-0.02543	-1.45451	-2.97251	-4.37942	-6.72168	-8.44695	-8.34539	-10.8322	-12.8475	-11.4347	-13.2391	-15.8086	-14.212	-14.4791	-18.1797	-20.3014	-19.8867	-17.883	-17.8186	-17.6441	-18.3426	-16.5651	-14.9915	-16.9073	-22.4557	
75	7.744411	8.640011	8.298042	7.584274	7.293388	6.863099	6.027776	5.082084	4.119238	3.083831	1.661234	0.157904	-1.20569	-2.71003	-4.1846	-6.43041	-7.99384	-7.97004	-10.2981	-11.9716	-10.6852	-12.5631	-15.4786	-14.3736	-14.961	-18.6148	-18.5732	-18.7631	-17.3802	-16.7132	-16.5014	-17.1173	-16.612	-14.8853	-16.5352	-22.4742	
80	7.744411	8.65195	8.3059	7.595349	7.285298	6.840399	6.041772	5.105857	4.153419	3.20518	1.851383	0.381714	-0.85214	-2.28626	-3.82061	-5.78401	-7.21427	-9.79087	-9.69836	-11.1124	-10.1225	-12.0506	-14.9806	-14.445	-15.6333	-19.093	-16.9449	-17.2645	-16.6719	-15.8554	-15.7554	-16.2271	-16.6587	-14.7715	-16.1492	-22.5001	
85	7.744411	8.65378	8.297652	7.592671	7.257816	6.787377	6.003901	5.049727	4.092553	3.234078	1.942655	0.514653	-0.50729	-1.94116	-3.51221	-5.1437	-6.50016	-7.27994	-9.29182	-10.5657	-12.6927	-11.9368	-14.9806	-14.407	-16.1104	-18.8974	-15.637	-15.9436	-16.0072	-15.3855	-15.4572	-15.7123	-16.7714	-14.6715	-15.7809	-22.5402	
90	7.744411	8.645798	8.276866	7.578994	7.212928	6.695805	5.896581	4.888841	3.893456	3.105273	1.847784	0.432272	-0.4925	-1.8318	-3.46024	-4.81149	-6.11423	-7.3164	-9.20781	-10.4385	-10.3235	-12.3749	-14.6208	-14.5144	-16.3595	-18.1387	-14.7625	-15.058	-15.6222	-15.4109	-15.6457	-15.5762	-16.9085	-14.5043	-15.454	-22.6036	
95	7.744411	8.628522	8.244587	7.557787	7.154755	6.655993	5.712881	4.611806	3.525198	2.76687	1.500733	0.037869	-0.76635	-2.10481	-3.81557	-4.97121	-6.26887	-7.3764	-9.57598	-10.8398	-11.4238	-13.5041	-15.6217	-15.0887	-16.7178	-15.1051	-14.351	-14.6784	-15.6784	-16.0309	-16.3654	-15.8002	-17.3457	-14.6014	-15.1851	-22.7008	
100	7.744411	8.602672	8.203156	7.532332	7.088852	6.404277	5.461227	4.226298	2.97745	2.189571	0.862066	-0.73688	-1.52599	-2.8882	-4.69697	-5.7608	-6.98586	-8.08027	-10.5676	-11.9405	-12.9407	-15.4847	-16.3291	-16.2687	-17.429	-17.3546	-14.3482	-14.7725	-16.2497	-17.3553	-17.6681	-16.3698	-17.7529	-14.534	-14.9846	-22.8426	
105	7.744411	8.569128	8.155078	7.50478	7.028028	6.272785	5.167345	3.763084	2.269634	1.577469	-0.07254	-1.93178	-2.8599	-4.16414	-6.21271	-7.31526	-8.55354	-10.7812	-12.372	-13.7625	-14.9747	-16.8335	-20.7329	-17.928	-19.728	-19.8793	-17.534	-14.5931	-15.2038	-17.2794	-19.481	-19.5757	-17.1895	-18.089	-14.496	-14.8589	-23.096
110	7.744411	8.528978	8.102686	7.475615	6.954721	6.054444	4.871249	3.275774	1.460554	0.385621	-1.25217	-3.54441	-4.57007	-6.05687	-8.48251	-9.79268	-11.0447	-13.0486	-15.0807	-17.1355	-17.264	-20.8066	-24.5494	-18.7028	-18.6035	-17.6283	-14.836	-15.7084	-18.4576	-22.3774	-21.8783	-18.1004	-18.201	-14.4242	-14.8124	-23.3014	
115	7.744411	8.482971	8.047918	7.448344	6.891919	5.903977	4.617495	2.831932	0.652926	-0.65749	-2.53487	-5.47926	-6.78941	-8.48319	-11.6192	-13.292	-14.5351	-16.2849	-18.5876	-20.314	-23.1595	-18.3508	-18.1473	-17.3843	-14.8919	-15.9925	-19.198	-23.9298	-23.5397	-18.8318	-18.0297	-14.3186	-14.8495	-23.436			
120	7.744411	8.432451	7.992251	7.407908	6.831306	5.786752	4.440813	2.49296	-0.02408	-1.54767	-3.66251	-7.43416	-8.99277	-10.7839	-15.4583	-16.8036	-17.7592	-19.1026	-20.7119	-23.875	-18.495	-20.3115	-17.6133	-17.5085	-17.0403	-14.8249	-16.0086	-19.2463	-22.9521	-23.1911	-19.116	-17.6717	-14.2108	-14.9759	-24.0494		
125	7.744411	8.37583	7.926801	7.366948	6.770774	5.700499	4.353352	2.293842	-0.46005	-2.0754	-3.43049	-8.83306	-10.2547	-11.8657	-13.1322	-17.0691	-15.475	-19.8131	-17.9848	-18.83	-18.0698	-17.8992	-18.9358	-17.7692	-16.7139	-16.9486	-14.8809	-16.0424	-19.1493	-21.3132	-21.6757	-18.909	-17.303	-14.1559	-15.1991	-24.5433	
130	7.744411	8.321494	7.882518	7.321909	6.705253	5.651152	4.345797	2.234537	-0.61187	-2.15666	-4.48838	-9.21383	-10.1094	-11.4164	-12.7137	-17.4786	-15.399	-18.8226	-17.6986	-17.665	-18.47	-17.1633	-16.9386	-17.1789	-15.2842	-16.4728	-19.6087	-20.417	-20.2619	-18.4044	-17.0691	-14.2145	-15.5279	-25.1133			
135	7.7																																				

Raw data – ANT6 (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	7.3861117	7.272218	6.89345	6.331668	5.824024	5.239006	4.342462	3.30535	2.29588	1.083034	-0.37827	-1.72891	-3.10892	-4.68875	-5.91306	-7.17645	-8.38525	-9.50813	-11.1491	-13.6224	-15.776	-17.7708	-20.0486	-21.4832	-21.9943	-22.6761	-23.6726	-24.7174	-25.5477	-23.0613	-22.7995	-21.3017	-20.8743	-20.4162	-23.2957		
5	7.3861117	7.35966	6.098185	6.347575	5.879356	5.352674	4.485292	3.498349	2.615535	1.540014	0.081853	-1.31237	-2.65395	-4.28172	-5.68035	-7.17697	-8.38088	-9.73945	-11.3131	-13.7047	-14.8834	-17.4557	-21.1599	-20.6183	-21.5474	-23.6488	-23.3625	-24.4824	-24.0665	-22.151	-21.7534	-21.07	-20.519	-20.088	-21.7533	-23.7746	
10	7.3861117	7.44728	7.031752	6.377788	5.968256	5.50063	4.661226	3.728976	2.96617	1.989533	0.521035	-0.8884	-2.12101	-3.45822	-4.72284	-5.93255	-6.88813	-8.11731	-9.37629	-13.4334	-15.6259	-13.4334	-18.0813	-19.209	-20.1819	-23.3476	-22.3178	-23.114	-23.33	-20.6525	-20.309	-20.3902	-19.4002	-17.5167	-21.121	-20.1756	
15	7.3861117	7.534313	7.108782	6.422313	6.066335	5.667635	4.852492	3.972763	3.3145	2.400622	0.93421	-0.44012	-1.73528	-3.48227	-5.0436	-7.00006	-8.34374	-9.05631	-11.2677	-13.0786	-11.7687	-13.5866	-16.053	-15.4507	-17.9717	-20.739	-20.5501	-21.0775	-21.914	-19.2896	-18.9718	-19.5326	-18.4402	-18.8994	-21.314	-24.5113	
20	7.3861117	7.619955	7.189856	6.479766	6.178673	5.834243	5.038978	4.203663	3.627713	2.766753	1.313755	-0.00202	-1.20039	-2.96764	-4.50313	-6.60565	-8.26707	-8.51626	-10.2607	-12.7007	-14.667	-11.8462	-13.5288	-14.9819	-18.076	-18.8631	-19.7548	-18.2954	-17.853	-18.6818	-17.7443	-18.7707	-21.2244	-24.8028			
25	7.3861117	7.703367	7.27341	6.547899	6.289519	5.988285	5.199865	4.398706	3.879067	3.05369	1.647227	0.473067	-0.66627	-2.83511	-4.82889	-5.79999	-6.66252	-7.92238	-10.2456	-11.9652	-9.57227	-11.0153	-12.507	-13.7277	-13.4489	-16.3586	-17.7593	-17.753	-18.2471	-17.6681	-16.959	-17.948	-17.268	-18.1138	-21.2737	-25.074	
30	7.3861117	7.783694	7.357478	6.623965	6.391877	6.102014	5.322211	4.541676	4.051496	3.253549	1.916534	0.872134	-0.16621	-2.81937	-4.14422	-5.82322	-7.25483	-8.56369	-11.0653	-12.3852	-11.5320	-13.5278	-15.9845	-16.3609	-17.3805	-16.9109	-17.1363	-17.3158	-16.3032	-17.4186	-17.118	-18.0172	-21.4543	-25.3456			
35	7.3861117	7.860073	7.439875	6.704877	6.483001	6.188563	5.40136	4.625593	4.139794	3.368	2.100497	1.170818	0.220548	-1.30776	-2.49512	-3.99556	-5.75495	-6.55555	-8.75725	-10.5417	-9.80007	-11.749	-13.2495	-12.0645	-13.1642	-15.8182	-17.6956	-16.5827	-16.3764	-17.1231	-15.9149	-17.1723	-17.2364	-18.0764	-21.9157	-25.6314	
40	7.3861117	7.931658	7.518397	6.787277	6.563648	6.246612	5.441533	4.653589	4.150361	3.395832	2.180653	1.327546	0.459783	-1.02711	-2.1055	-3.42681	-5.08348	-6.00133	-8.05705	-10.0806	-10.213	-12.9493	-13.0539	-13.2605	-16.6972	-18.4566	-16.5852	-15.8897	-17.0166	-15.8227	-17.273	-17.5889	-18.2162	-19.7594	-25.9376		
45	7.3861117	7.997633	7.591002	6.867653	6.636268	6.284967	5.453949	4.673863	4.098553	3.349925	2.148088	1.315708	0.489955	-0.98541	-2.03997	-3.27075	-4.85473	-5.80022	-7.77693	-9.95527	-10.751	-14.3751	-17.6264	-15.3431	-15.6891	-17.6474	-18.985	-16.6174	-15.6598	-17.0197	-16.0453	-17.7639	-18.1344	-18.347	-22.0536	-26.2624	
50	7.3861117	8.057234	7.655949	6.94257	6.702983	6.313477	5.453429	4.596916	4.009052	3.24701	2.009367	1.31075	0.310511	-1.2168	-2.33764	-3.58065	-5.15728	-6.11558	-8.13147	-10.4379	-11.462	-15.7651	-18.4318	-16.9755	-16.2862	-17.5886	-18.537	-16.4376	-15.5934	-17.2512	-16.5874	-18.662	-18.8325	-18.364	-21.887	-24.9206	
55	7.3861117	8.109768	7.711872	7.008993	6.764282	6.339489	5.454361	4.551766	3.89326	3.109579	1.791214	0.796468	-0.05869	-1.69438	-2.97433	-4.33941	-5.99576	-6.96014	-9.18902	-11.6537	-12.3241	-16.7059	-21.5278	-17.1094	-15.5599	-16.5009	-17.4369	-16.1258	-15.817	-17.8675	-17.428	-19.9224	-19.5846	-18.235	-21.4377	-26.9341	
60	7.3861117	8.154629	7.757795	7.064629	6.818887	6.367887	5.467085	4.521766	3.788103	2.967163	1.543209	0.731704	-0.54588	-1.23329	-3.8461	-5.43952	-7.26193	-8.21239	-10.8161	-13.4412	-13.7017	-16.5941	-21.7304	-17.3408	-15.4828	-16.0089	-16.4279	-18.9807	-18.4757	-21.2952	-20.2814	-21.9632	-20.7831	-21.2592			
65	7.3861117	8.191322	7.793113	7.108192	6.864583	6.397337	5.495499	4.520098	3.713538	2.854902	1.333688	-0.08827	-1.06501	-2.9966	-4.73866	-6.62433	-8.64324	-9.49824	-12.4971	-15.0404	-13.0754	-15.5377	-18.4023	-15.6803	-14.2921	-15.1957	-16.2129	-16.3708	-17.548	-20.4786	-19.4741	-22.059	-20.6635	-17.5961	-20.0385	-27.5655	
70	7.3861117	8.219478	7.817598	7.139538	6.899307	6.424712	5.536114	4.549109	3.685338	2.803857	1.229675	-0.31336	-1.42967	-3.88027	-5.32809	-7.4392	-9.53903	-10.223	-13.333	-15.36	-12.5197	-14.3665	-17.151	-15.4255	-14.7305	-15.8261	-16.4942	-17.3017	-19.1656	-21.5621	-19.9671	-21.4306	-20.4573	-17.1851	-19.2966	-27.8503	
75	7.3861117	8.238871	7.831246	7.159614	6.92187	6.444334	5.578444	4.596977	3.700451	2.823353	1.26024	-0.36719	-1.51203	-3.88222	-5.34616	-7.43991	-9.39502	-10.0332	-12.9081	-14.4722	-11.7999	-13.5612	-16.3816	-15.2273	-15.6803	-17.3176	-17.0767	-18.5729	-20.7411	-21.0146	-19.6664	-19.8247	-19.6548	-16.7642	-18.6083	-28.1167	
80	7.3861117	8.249436	7.834579	7.170253	6.932059	6.449232	5.606643	4.638239	3.730663	2.886959	1.388133	-0.22754	-1.3133	-3.00047	-4.85884	-6.69423	-8.39286	-9.19595	-11.7038	-13.1181	-11.2092	-13.1469	-15.813	-14.7972	-16.53	-19.1608	-17.4411	-19.4746	-21.0029	-19.3653	-18.8703	-18.1609	-18.5679	-16.3485	-17.9912	-28.3723	
85	7.3861117	8.251269	7.828354	7.17379	6.930291	6.432096	5.602463	4.639317	3.727251	2.935359	1.519653	-0.03352	-0.99826	-2.51053	-4.22887	-5.73446	-7.20569	-8.24495	-10.3562	-11.7374	-10.8435	-13.0291	-15.3024	-14.2447	-16.7986	-20.1381	-17.3085	-19.3842	-19.8761	-17.8976	-18.1008	-16.8735	-17.3334	-15.9435	-17.4448	-28.6277	
90	7.3861117	8.244634	7.813637	7.172562	6.917163	6.386597	5.549347	4.567231	3.634533	2.947673	1.544283	0.02066	-0.78489	-2.16803	-3.8327	-5.04169	-6.34688	-7.6029	-9.3532	-10.697	-10.8048	-13.2272	-15.0007	-14.1597	-16.7428	-19.3869	-20.9291	-16.9922	-18.7267	-18.685	-17.1051	-17.6889	-16.6047	-16.7139	-15.5545	-16.9628	-28.894
95	7.3861117	8.229946	7.791858	7.168358	6.893178	6.390143	5.437	4.396319	3.40307	2.697533	1.570076	-0.1608	-0.86138	-2.18049	-3.87319	-4.88364	-6.08047	-7.54853	-9.02732	-10.3334	-11.3164	-13.9964	-15.5177	-17.4734	-17.3869	-19.7095	-16.88	-18.1409	-18.0735	-17.0777	-17.7735	-15.7276	-16.2584	-15.1885	-16.5411	-29.1802	
100	7.3861117	8.207758	7.765297	7.161933	6.858708	6.206053	5.265478	4.125029	3.002194	2.296408	0.940318	-0.46887	-1.3233	-2.65267	-4.5078	-5.99302	-6.95431	-8.27637	-9.59684	-10.9022	-12.6345	-15.7074	-17.1799	-16.6168	-18.3902	-19.9343	-16.941	-17.685	-18.0159	-17.8066	-18.4252	-15.8193	-16.0709	-14.851	-16.5811	-29.491	
105	7.3861117	8.178726	7.732267	7.152779	6.814107	6.067588	5.047709	3.760462	2.426367	1.67444	0.24081	-1.57596	-3.02157	-5.04021	-5.79497	-6.62843	-7.82238	-9.95487	-11.2397	-12.6347	-15.0872	-19.2328	-20.8562	-18.0525	-19.2671	-19.7883	-16.7008	-17.0423	-18.1281	-19.1818	-19.6786	-16.2674	-16.1096	-14.5415	-15.8904	-29.822	
110	7.3861117	8.143579	7.696786	7.139247	6.759805	5.921403	4.809113	3.340257	1.705116	0.857342	0.68838	-4.28091	-3.81199	-5.40076	-6.36471	-7.72737	-8.97523	-9.87955	-12.7387	-14.1037	-15.7966	-18.8825	-25.3294	-28.3996	-18.7476	-18.3696	-15.7678	-16.0246	-17.8789	-20.7121	-21.5278	-16.9466	-16.2516	-14.2555	-15.6814	-30.1533	
115	7.3861117	8.103881	7.658553	7.119105	6.696362	5.778016	4.828286	2.919379	0.914286	0.06765	-1.73109	-4.29901	-4.95577	-6.67421	-10.0639	-10.7143	-12.2972	-16.5517	-17.7296	-20.0601	-21.8538	-25.6717	-27.0204	-17.2903	-16.4126	-14.4329	-14.8432	-17.93	-21.4878	-23.7547	-17.6529	-16.3463	-13.9029	-15.666	-30.4396		
120	7.3861117	8.057995	7.618003	7.090374	6.624578	5.643942	4.400503	2.560003	0.176103	-0.94028	-2.68248	-5.6734	-6.28444	-8.00066	-11.9301	-11.9977	-13.6606	-18.7941	-18.8894	-20.8954	-19.7427	-20.5048	-21.1829	-14.9691	-14.6489	-14.8466	-13.23	-13.8386	-16.2093	-20.3577	-25.4227	-18.1371	-16.2674	-13.7671	-15.5722	-30.6021	
125	7.3861117	8.009052	7.575462	7.052269	6.545879	5.539294	4.280977	2.311019	-0.37027	-1.56303	-3.67535	-6.53734	-7.26642	-12.216	-11.9694	-10.5601	-17.067	-16.6613	-18.4014	-17.0599	-17.7508	-18.5455	-14.1991	-13.592	-13.911	-12.4472	-13.2311	-15.6743	-19.1341	-25.2025	-18.2514	-16.0856	-15.7076	-15.7076	-30.5366		
130	7.3861117	7.956927	7.531342	7.005935	6.463086	5.445800	4.224653	2.190338	-0.63256	-1.79551	-3.4929	-6.7674	-6.97639	-8.2245	-11.4047	-10.5711	-11.7751	-14.8886	-14.6534	-15.7365	-15.361	-16.2626	-17.2021	-13.8473	-13.028	-13.5461	-12.1767	-13.1315	-15.7387	-18.3662	-23.6719						

Raw data – ANT7 (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	7.2289178	7.855551	7.862155	7.16047	6.119951	5.741927	5.41216	4.148134	3.04123	2.583824	0.8459	-1.65352	-0.26092	-3.36768	-7.38551	-8.20977	-8.83781	-13.8971	-17.1568	-15.1964	-18.4019	-22.2635	-26.0224	-24.1199	-20.4312	-23.5588	-25.6876	-23.2371	-23.2656	-27.1261	-21.8233	-20.6262	-23.6372	-23.9464	-21.9957	-19.7725
5	7.2289178	7.852938	7.851918	7.203889	6.270888	5.842444	5.306306	3.798788	2.40544	1.799659	0.184565	-2.23394	-2.88155	-4.4841	-8.38196	-8.83257	-9.2543	-14.5154	-17.8469	-15.8846	-17.6245	-20.8821	-21.9721	-25.9568	-20.3771	-23.8464	-29.3759	-24.7006	-21.9061	-23.2798	-21.9935	-21.7309	-23.5288	-24.7429	-21.7175	-19.5768
10	7.2289178	7.837038	7.821896	7.2513	6.436577	5.930223	5.355782	3.436197	1.874484	1.224302	-0.24351	-2.44401	-3.15598	-4.97781	-8.60128	-8.79857	-9.18885	-13.5784	-17.3633	-15.8854	-16.6663	-20.9643	-21.0322	-25.0772	-22.8428	-27.9047	-26.027	-27.3367	-24.0926	-22.8018	-21.5228	-22.5694	-22.7724	-25.2789	-21.3031	-19.4192
15	7.2289178	7.808637	7.774333	7.297459	6.593891	5.98792	4.995838	3.204485	1.756979	1.258798	0.010284	-1.80572	-2.44244	-4.23434	-7.41169	-8.02617	-8.86145	-13.2526	-16.0631	-14.4027	-14.7509	-19.9285	-20.4042	-24.8855	-23.895	-21.1082	-24.308	-27.3	-29.1791	-24.2321	-21.529	-22.7116	-21.6367	-25.2044	-20.7439	-19.3036
20	7.2289178	7.768825	7.71158	7.336526	6.724207	6.00244	4.836788	3.133279	2.049092	1.823559	0.81352	-0.7121	-1.42429	-3.05015	-5.7143	-6.20263	-8.15693	-12.7552	-15.7182	-14.0769	-14.8939	-19.8689	-20.2523	-27.0238	-20.7262	-25.0924	-27.2411	-28.9254	-25.5551	-25.0425	-22.3805	-22.3536	-20.6582	-24.4625	-20.0882	-19.2344
25	7.2289178	7.718946	7.636099	7.364478	6.821136	5.980253	4.691742	3.184219	2.52528	2.507157	1.635136	0.227448	-0.42175	-2.20784	-4.71835	-5.99236	-7.66306	-12.1855	-15.2007	-14.1685	-16.9732	-23.6843	-22.2531	-18.3215	-20.3305	-23.3686	-27.8042	-26.5296	-23.4258	-23.7137	-21.7776	-20.1534	-23.383	-19.4156	-19.2169	
30	7.2289178	7.660534	7.550458	7.380084	6.890233	5.946769	4.591576	3.325979	3.004207	3.03385	2.156017	0.79942	-0.04213	-1.60914	-3.13325	-4.79279	-6.12414	-14.8817	-14.1414	-16.8011	-26.3691	-27.0032	-24.0364	-19.5664	-18.6292	-20.7801	-21.714	-26.989	-25.9749	-21.6125	-24.3893	-21.016	-20.2404	-22.2754	-18.8067	-21.2571
35	7.2289178	7.595271	7.457255	7.384334	6.942578	5.932589	4.576367	3.575692	3.430597	3.36069	2.382666	0.943304	-0.00475	-1.44234	-2.42668	-4.68396	-8.36678	-12.0236	-15.1047	-14.9379	-17.9636	-19.8454	-21.7095	-17.3965	-18.2193	-23.857	-23.0956	-26.1822	-24.9836	-20.548	-23.6879	-20.523	-20.9711	-21.3062	-18.3256	-19.3616
40	7.2289178	7.524928	7.358991	7.379035	6.987214	5.960198	4.660198	3.843746	3.740816	3.450382	2.730797	1.0804167	-0.3915	-1.98616	-3.71167	-5.89635	-8.11647	-15.8807	-15.1233	-18.8607	-15.7125	-17.0293	-18.7097	-17.0398	-18.3248	-25.0103	-23.7126	-22.5842	-22.3407	-20.1209	-22.5575	-20.3842	-22.4086	-20.5622	-18.0177	-19.5732
45	7.2289178	7.45132	7.257924	7.365515	7.026763	6.009532	4.802385	4.077785	3.819436	3.304356	2.06957	0.472	-0.09027	-2.69813	-5.54808	-7.70922	-10.6787	-12.8893	-13.8581	-15.4534	-16.3232	-17.9325	-18.1971	-19.634	-21.9238	-22.9234	-20.6782	-20.944	-20.2101	-21.911	-21.0915	-24.6461	-20.1094	-17.9134	-19.7906	
50	7.2289178	7.376266	7.155974	7.344095	7.058088	6.072199	4.932594	4.166914	3.637968	2.845033	1.545514	0.097487	-1.13939	-2.83094	-5.43683	-7.27174	-8.80409	-12.4641	-13.1851	-14.4802	-17.0856	-18.381	-20.678	-19.3581	-18.0241	-21.6111	-20.6737	-21.4481	-20.6467	-22.0884	-23.2091	-27.5598	-20.0138	-18.031	-20.1285	
55	7.2289178	7.301546	7.054705	7.31443	7.076622	6.122379	5.008692	4.120009	3.338432	2.38134	1.153392	0.059605	-0.84414	-2.31203	-4.40816	-5.97864	-7.25296	-9.52114	-11.7983	-12.6435	-14.3492	-19.2162	-20.5555	-23.7199	-17.9453	-16.4227	-21.1557	-21.7669	-23.1016	-21.0761	-23.1811	-18.1048	-29.3105	-20.3406	-18.3779	-20.557
60	7.2289178	7.228874	6.955402	7.276322	7.080999	6.156634	5.046573	4.041087	3.139751	2.120253	1.247715	0.597716	-1.04975	-1.65086	-3.4431	-4.78274	-6.46104	-9.24101	-11.7105	-13.2371	-19.2515	-23.7127	-16.7177	-16.795	-16.5298	-22.9276	-23.4716	-21.3097	-24.7448	-29.2346	-27.4708	-21.1373	-18.9469	-21.0819		
65	7.2289178	7.15987	6.859209	7.230463	7.075064	6.190917	5.103229	4.055221	3.177777	2.381663	1.684201	1.266592	0.448126	-1.2794	-3.21307	-4.75814	-6.78799	-9.74739	-11.809	-14.2408	-17.8917	-21.2758	-20.6911	-17.8029	-16.5398	-17.8355	-20.9449	-22.49	-21.6071	-21.6298	-24.8968	-18.1648	-24.7395	-22.3738	-19.7078	-21.7081
70	7.2289178	7.096036	6.767268	7.178684	7.066395	6.248933	5.23472	4.236744	3.465257	2.760491	2.049666	1.45973	0.431318	-1.49324	-3.70563	-5.55108	-8.02803	-11.7303	-14.1752	-17.1279	-19.8008	-21.5944	-16.1545	-17.0332	-19.8968	-20.8873	-20.8357	-19.8139	-22.326	-23.0539	-23.24	-22.6392	-23.7609	-20.5964	-22.4401	
75	7.2289178	7.038745	6.680827	7.123669	7.062536	6.345847	5.459416	4.578979	3.942029	3.250261	2.257383	1.68444	-0.7736	-2.36639	-4.97347	-6.65729	-8.68603	-12.5035	-13.9817	-13.571	-14.9437	-16.8444	-15.6283	-16.7583	-18.5939	-21.5871	-21.6168	-19.291	-19.5956	-23.0927	-21.3324	-21.2654	-21.1259	-24.5378	-21.5098	-23.288
80	7.2289178	6.989222	6.601277	7.068303	7.06715	6.477508	5.746318	4.99713	4.482067	3.797716	2.540021	0.945408	-0.72343	-3.15255	-6.09201	-8.55798	-12.0933	-13.2204	-12.2641	-13.6917	-16.574	-15.0385	-16.8794	-22.0138	-23.5994	-22.1837	-18.2839	-19.0036	-23.0859	-20.6522	-20.8463	-20.0047	-24.1559	-22.5296	-24.2708	
85	7.2289178	6.948533	6.530121	7.015018	7.078137	6.620629	6.020886	5.359403	4.902897	4.260285	2.931202	1.065317	-0.89653	-3.33795	-6.19029	-8.76858	-11.71834	-14.1777	-12.4895	-12.4422	-14.6021	-18.5779	-16.6917	-17.1185	-18.7462	-26.6931	-21.4148	-17.9571	-19.7732	-22.3857	-21.0934	-21.2131	-19.2248	-23.2648	-22.9842	-25.2704
90	7.2289178	6.917568	6.468891	6.95413	7.088584	6.742291	6.239443	5.543198	5.032666	4.42734	3.100885	0.969701	-1.18754	-3.64043	-6.51972	-7.28116	-8.27755	-12.4572	-13.1942	-14.5965	-20.0853	-23.6286	-20.8931	-22.4327	-22.712	-26.0726	-19.8666	-18.2249	-20.873	-22.0374	-22.5396	-21.521	-18.9139	-22.7306	-23.4999	-26.7373
95	7.2289178	6.897307	6.419054	6.930226	7.08882	6.812502	6.32065	5.807808	5.437059	4.16221	2.803376	0.321262	-0.38963	-3.78697	-7.84162	-9.07563	-10.3406	-13.3731	-15.8915	-17.2142	-23.9148	-26.6891	-22.1885	-19.6792	-20.3632	-22.2055	-18.5861	-18.7101	-21.6007	-22.6591	-24.6094	-21.4006	-19.3265	-22.9585	-23.9715	-27.4531
100	7.2289178	6.887446	6.381919	6.879942	7.075452	6.814657	6.280178	5.212376	4.216219	3.532547	2.153613	0.85415	-3.96446	-5.89114	-8.41279	-10.2678	-12.0464	-15.8687	-16.6258	-16.1377	-17.4627	-20.1503	-19.0233	-18.2407	-19.6832	-20.0081	-18.1754	-19.1557	-21.717	-24.2793	-26.2979	-21.4379	-20.8283	-24.0392	-24.4717	-28.3416
105	7.2289178	6.888095	6.358574	6.844743	7.044097	6.749166	6.121685	4.808374	3.499461	2.85828	1.658025	-1.2563	-3.4435	-5.81579	-7.0703	-8.6	-10.3083	-12.9677	-13.815	-14.3455	-17.9064	-17.4944	-20.0393	-20.001	-19.07	-19.8909	-21.9934	-26.0703	-26.4775	-22.2625	-23.9335	-25.3002	-24.9702	-28.805		
110	7.2289178	6.900262	6.349857	6.815322	7.000498	6.634303	5.989032	4.395277	2.863882	2.314449	1.674494	-0.54001	-3.10606	-5.27128	-6.2656	-7.54697	-8.77951	-10.2423	-11.5815	-12.9178	-14.9538	-17.5515	-17.1844	-17.7552	-20.1045	-21.7684	-21.4445	-21.3886	-23.1358	-26.1245	-25.3101	-23.4131	-27.7987	-25.488	-25.3079	-28.6654
115	7.2289178	6.926196	6.363536	6.792637	6.954328	6.501978	5.670778	4.000664	2.465974	2.032304	1.733114	-0.40052	-3.88028	-5.28221	-6.40474	-9.15305	-10.2725	-11.4847	-13.1017	-14.7841	-20.0913	-24.0795	-24.8548	-23.7355	-24.8673	-24.6758	-23.6761	-23.6008	-25.1401	-23.3306	-25.2818	-27.7979				
120	7.2289178	6.96111	6.378425	6.777688	6.91718	6.490544	5.504354	3.976625	2.316888	1.687484	1.357516	0.297577	-1.4755	-3.40173	-5.66155	-8.39103	-10.4881	-11.8639	-13.9452	-13.1647	-17.1167	-20.9399	-19.8347	-18.153	-19.5774	-24.21	-28.3702	-26.4234	-25.4987	-23.6641	-22.438	-21.5423	-21.1963	-21.0227	-24.8356	-26.9486
125	7.2289178	7.006182	6.41621	6.771114	6.89866	6.333809	5.484516	4.054735	2.292925	1.906958	-0.04333	-1.41021	-3.1623	-4.50618	-6.30626	-10.6167	-11.8639	-11.6416	-13.0673	-16.0274	-21.8147	-21.4121	-19.6371	-24.21	-34.085	-28.063	-24.9872	-23.8941	-22.2702	-20.5184	-19.1928	-19.4794	-21.1229	-25.8222		
130	7.2289178	7.060554	6.46067	6.772897	6.93031	6.349402	5.503129	4.251952	2.29883	-0.02231	-2.3323	-4.22532	-5.58157	-7.1027	-8.411	-9.53002	-11.2612	-13.0872	-14.0939	-14.8238	-16.1326	-20.5773	-23.6188	-21.9707	-21.0357	-24.9585	-26.8903	-27.6314	-25.141	-25.0205	-23.7837	-21.1843	-18.8464	-18.7815	-23.3505	-24.7285
135	7.2289178																																			

Raw data – ANT7 (6.175GHz)

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	7.3514334	7.184173	6.873449	6.291579	5.340721	4.867373	4.493237	2.53388	0.576802	1.009056	-0.24809	-3.18944	-2.50279	-3.99946	-8.73513	-6.44798	-7.21688	-15.6618	-13.7113	-14.6038	-18.7033	-24.1184	-20.129	-23.3745	-22.0818	-27.6987	-28.3292	-28.4725	-23.9385	-24.8324	-29.093	-25.197	-24.3942	-28.1559	-26.348	-27.4239	
5	7.3514334	7.15622	6.801178	6.262383	5.308186	4.89129	4.230219	2.40376	0.70561	0.68499	-0.78895	-3.87305	-3.54087	-5.27186	-9.9899	-8.0668	-8.0834	-16.0329	-16.0329	-16.0329	-21.3077	-26.8693	-22.0157	-22.086	-25.4552	-28.6278	-27.875	-25.5683	-24.933	-28.912	-27.4675	-27.542	-26.781	-27.542	-27.542		
10	7.3514334	7.123846	6.73589	6.192245	5.454881	4.890048	3.99137	1.971858	0.6195	0.907822	-0.71266	-3.60869	-3.61897	-5.63999	-9.98616	-8.62621	-10.219	-19.1863	-17.3612	-16.5662	-21.1612	-30.4103	-26.9242	-20.7557	-27.9323	-23.9025	-23.0045	-24.3529	-25.2402	-23.792	-23.247	-26.577	-25.3383	-25.8159	-28.3215	-27.7681	
15	7.3514334	7.085375	6.677772	6.183544	5.517236	4.902258	3.891729	2.119096	1.315559	1.636960	0.097006	-2.32903	-2.4455	-4.5603	-8.74784	-10.2811	-17.4992	-15.2627	-15.4998	-16.5602	-21.4922	-26.5615	-20.302	-26.6992	-22.7778	-20.0713	-23.4865	-22.2375	-26.3567	-25.246	-25.9942	-28.5676	-28.0692	-28.0692	-28.0692		
20	7.3514334	7.043235	6.626003	6.195188	5.691942	4.971551	3.994554	2.591061	2.215296	2.490347	0.688892	-0.92363	-1.17826	-2.85786	-6.66802	-7.6451	-9.66257	-14.5335	-15.0372	-14.5335	-20.0769	-24.1182	-17.3306	-21.0071	-26.4622	-24.0896	-22.5647	-27.7223	-19.2138	-23.8582	-22.3833	-26.8627	-24.7894	-26.6477	-28.1819	-28.515	
25	7.3514334	6.997906	6.57911	6.222135	5.691943	5.107974	4.270083	3.18883	3.07045	3.150149	1.06889	-0.0734	-0.0734	-1.5911	-5.70971	-7.18772	-12.9222	-14.9474	-14.9474	-17.3306	-21.1153	-17.3306	-21.0081	-25.7648	-25.7616	-23.5722	-23.8862	-28.2868	-26.1872	-22.5838	-28.8905	-24.4805	-27.798	-27.9398	-28.0016		
30	7.3514334	6.950268	6.53544	6.25898	5.803677	5.287499	4.61875	3.800094	3.595987	3.515606	2.178151	0.326909	-0.2908	-2.03026	-6.16666	-7.5356	-8.31978	-12.5994	-15.2016	-15.2016	-17.3548	-18.8034	-20.3638	-26.9321	-21.5801	-30.9918	-27.5993	-23.321	-19.2794	-23.2812	-22.5566	-32.7679	-24.9598	-29.01	-26.4831	-29.9056	
35	7.3514334	6.904196	6.493944	6.330073	5.918912	5.466369	4.918887	4.204079	3.847138	3.559394	2.24231	0.39753	-0.2553	-5.59751	-7.73722	-8.48351	-13.6131	-16.5078	-16.5078	-17.3548	-18.8328	-20.3834	-23.981	-26.0263	-26.7036	-28.0844	-22.7979	-20.6105	-34.7884	-22.4425	-32.7919	-25.1375	-29.0027	-25.6398	-29.9053		
40	7.3514334	6.851425	6.452191	6.340778	6.025581	5.605542	5.094342	4.370094	3.841664	3.566467	1.956179	-0.07611	-1.02357	-2.92479	-6.76686	-7.53182	-8.37504	-13.4701	-15.7528	-16.4905	-20.9181	-22.6408	-19.6663	-18.2042	-25.8776	-27.3124	-21.8817	-21.0951	-28.9415	-22.2009	-27.0621	-25.9484	-27.3349	-24.9674	-30.1496		
45	7.3514334	6.801399	6.411037	6.377309	6.115996	5.690371	5.143228	4.379799	3.754923	3.133826	1.638263	-0.45744	-1.44242	-3.22779	-6.74648	-7.57741	-8.34551	-13.6131	-16.2832	-14.8215	-19.4503	-20.6026	-23.2408	-18.0743	-18.6676	-25.2772	-22.4616	-20.2783	-22.4051	-26.9087	-21.3588	-24.9858	-26.8029	-25.3492	-34.5143	-29.9975	
50	7.3514334	6.753582	6.370191	6.408207	6.18883	5.732219	5.119012	4.350825	3.743967	3.08807	1.630592	-0.30551	-1.2965	-2.87037	-5.93818	-7.46707	-8.42677	-12.0085	-14.6617	-13.0218	-14.1226	-17.8699	-19.6185	-18.5682	-21.0041	-25.0202	-19.6744	-18.7219	-25.3116	-23.7996	-20.2444	-23.828	-27.4718	-23.9031	-24.2885	-29.4105	
55	7.3514334	6.702747	6.330436	6.433768	6.247274	5.752981	5.075127	4.337348	3.832036	3.249753	1.595941	0.266417	-0.55239	-2.32939	-4.99018	-6.52015	-7.76278	-10.7028	-12.3303	-11.6905	-14.3216	-17.6735	-17.092	-20.6792	-23.1463	-14.3383	-19.7351	-18.7401	-27.927	-20.9258	-19.7158	-23.8664	-27.7503	-23.1775	-24.2518	-28.4608	
60	7.3514334	6.663829	6.293062	6.455665	6.295596	5.768107	5.030393	4.313965	3.942974	3.492778	2.321671	0.70668	-0.47042	-2.48551	-5.47	-6.67914	-7.67884	-11.0117	-12.0981	-11.6873	-15.7152	-18.3601	-17.4152	-23.4747	-24.5197	-25.6178	-20.1407	-19.7791	-25.9584	-19.6397	-19.8579	-23.9104	-27.5043	-23.1206	-24.3604	-27.3035	
65	7.3514334	6.624204	6.259682	6.476321	6.3369	5.782399	4.98462	4.247063	3.986317	3.655368	2.492401	0.760581	-0.20049	-2.47042	-5.4446	-6.7002	-7.82722	-10.2949	-12.3641	-12.9651	-15.3592	-18.1278	-20.1291	-23.3596	-26.1523	-25.819	-18.7008	-20.2988	-22.8706	-19.5821	-19.5961	-22.8694	-26.5938	-23.4848	-24.2997	-26.087	
70	7.3514334	6.589204	6.232018	6.498375	6.373044	5.796544	4.949598	4.153107	3.917119	3.652297	2.471853	0.465912	-1.38935	-3.0663	-6.54011	-7.26714	-8.06338	-12.9373	-14.8188	-15.9602	-17.4039	-18.6459	-20.2416	-21.3425	-25.7236	-21.2462	-17.6614	-21.2527	-21.435	-19.8638	-18.6784	-21.6157	-24.7528	-23.6585	-24.0919	-24.9068	
75	7.3514334	6.559958	6.211674	6.524295	6.405494	5.81198	4.953485	4.101288	3.772474	3.471684	2.284003	0.09184	-1.99175	-3.75617	-5.71202	-6.6333	-7.8989	-11.0938	-15.4216	-15.2023	-13.1883	-14.0453	-17.2313	-21.9158	-25.2027	-19.1299	-18.206	-23.8229	-21.2292	-19.7927	-17.887	-21.1444	-22.148	-22.9482	-23.6684	-23.8122	
80	7.3514334	6.536059	6.199941	6.556077	6.43569	5.828704	5.012224	4.170463	3.677648	3.196972	1.998443	-0.03356	-1.96263	-3.52186	-5.29604	-6.7987	-8.21437	-10.2003	-11.6858	-11.447	-11.8753	-13.0243	-16.2192	-23.191	-21.6985	-18.8472	-20.0409	-24.7519	-21.0838	-19.604	-18.245	-21.2426	-19.532	-21.5562	-23.1686	-22.8322	
85	7.3514334	6.516913	6.197636	6.594983	6.46482	5.841373	5.111981	4.384491	3.773815	3.101687	1.745818	0.071261	-1.288639	-4.42145	-5.91151	-7.69229	-9.9085	-10.6125	-10.4527	-13.1036	-15.5815	-18.056	-22.2822	-19.9845	-20.4658	-23.5703	-22.9107	-20.7759	-19.9621	-20.0908	-20.7869	-17.497	-20.2579	-22.7922	-22.9431		
90	7.3514334	6.500274	6.205	6.64134	6.493807	5.840246	5.209485	4.676754	4.079058	3.095552	1.636141	0.00779	-1.22359	-2.75011	-3.35982	-5.25237	-6.96052	-9.94862	-11.4358	-11.9181	-15.6217	-20.1047	-23.231	-22.7489	-21.5434	-25.4168	-18.6762	-21.3174	-20.8279	-21.2953	-23.4555	-19.5564	-16.2004	-19.5223	-22.7095	-21.1667	
95	7.3514334	6.500274	6.221609	6.694446	6.4523989	5.81789	5.252654	4.919475	4.346665	3.761671	1.705468	-0.04017	-1.45147	-3.34731	-3.58259	-5.29169	-7.40605	-12.9440	-14.5924	-15.6562	-20.9101	-21.1141	-28.2734	-23.2743	-25.1464	-31.5672	-25.0466	-20.1487	-21.2967	-23.6141	-27.1752	-18.7243	-15.9866	-19.5059	-23.0425	-20.4846	
100	7.3514334	6.511618	6.246713	6.752634	6.557952	5.777963	5.2085	4.992002	4.624424	3.579391	1.772944	-0.19229	-1.58923	-3.58743	-5.63685	-8.25832	-10.1286	-16.7126	-16.7126	-21.5854	-22.0438	-17.4934	-19.1416	-22.5978	-22.9096	-20.7889	-31.016	-23.1064	-20.3082	-22.4014	-26.2297	-18.7771	-19.0002	-16.5567	-20.1979	-23.8776	-19.8681
105	7.3514334	6.529322	6.278748	6.813447	6.599488	5.740239	5.091273	4.846244	4.494824	3.43698	1.508122	-0.61593	-1.78715	-3.24277	-5.25128	-11.042	-12.281	-13.0827	-16.9729	-16.9729	-18.8942	-21.5717	-22.3434	-22.5958	-22.9875	-22.9875	-22.9875	-22.9875	-22.9875	-22.9875	-22.9875	-22.9875	-22.9875	-22.9875	-22.9875		
110	7.3514334	6.543646	6.316088	6.873882	6.652199	5.735665	4.973738	4.549963	4.049133	2.866227	0.725288	-1.76101	-2.95035	-4.50232	-8.44213	-12.0092	-11.5979	-13.0112	-17.2813	-16.1843	-18.6086	-18.9967	-18.281	-24.2747	-26.1816	-25.2629	-22.7613	-23.5457	-26.0322	-31.1894	-27.2461	-22.7186	-18.6717	-22.0908	-27.0541	-18.9895	
115	7.3514334	6.569947	6.356928	6.90639	6.717454	5.790046	4.953461	4.276341	3.456193	2.101029	-0.44968	-6.65561	-6.65561	-6.65561	-6.65561	-6.65561	-6.65561	-6.65561	-6.65561	-6.65561	-6.65561	-6.65561	-6.65561	-6.65561	-6.65561	-6.65561	-6.65561	-6.65561	-6.65561	-6.65561	-6.65561	-6.65561	-6.65561	-6.65561	-6.65561		
120	7.3514334	6.602953	6.39952	6.980343	6.797058	5.809444	5.078159	4.183351	2.96687	1.48539	-1.48117	-5.48989	-8.55649	-11.7185	-13.1199	-14.8539	-17.7534	-16.2857	-16.7955	-18.3023	-17.9994	-23.5455	-26.231	-21.874	-21.4443	-23.966	-26.6171	-24.1762	-29.7763	-26.5076	-22.5079	-17.8369	-20.3919	-28.3547	-18.1736		
125	7.3514334	6.641975	6.442331	7.019704	6.873338	6.074833	5.306459	4.263455	2.678077	0.722944	-1.76891	-5.49719	-10.2841	-12.4083	-13.8996	-14.6371	-16.4433	-17.2919	-16.591	-17.1677	-16.6993	-17.2959	-22.8695	-22.3756	-20.5763	-21.8574	-25.4544	-27.465	-23.7522	-25.8074	-27.9514	-23.4136	-17.7068	-19.3994	-26.7043	-17.8319	
130	7.3514334	6.68643	6.48417	7.045621	6.930711	6.259906	5.556229	4.387267	2.476394	0.720182	-1.47	-4.23903	-7.88221	-10.7632	-12.9264	-15.3029	-17.3453	-16.2841	-16.1398	-17.9486	-18.7816	-21.5899	-21.2571	-20.8894	-22.5836	-24.1343	-27.0572	-23.5473	-22.9193	-28.9566	-26.0019	-18.5645	-19				

Raw data – ANT7 (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	7.1837014	6.834905	6.36453	5.727515	4.798884	4.409396	4.036484	3.687884	-0.16137	0.123668	-1.57561	-4.647	-7.5273	-5.64384	-10.3026	-7.51336	-8.82291	-17.8523	-13.9114	-15.1447	-22.7296	-24.2603	-20.4347	-22.8064	-28.4135	-35.9947	-29.3822	-24.1394	-25.4122	-20.4372	-26.7519	-21.2662	-31.7797	-24.145	-28.518	-24.6324	
5	7.1837014	6.855780	6.390313	5.851176	5.100084	4.911467	4.363054	3.733922	0.797598	0.078301	-0.65339	-3.34592	-7.07792	-5.18185	-9.39511	-7.47704	-6.0652	-17.8724	-14.4827	-17.1856	-22.8921	-20.597	-20.597	-22.7407	-28.3405	-35.7835	-29.3491	-24.1394	-25.4122	-20.4372	-26.7519	-21.2662	-31.7797	-24.145	-28.518	-24.6324	
10	7.1837014	6.872441	6.447191	6.000422	5.596444	5.396556	4.750205	3.002116	1.951485	2.080067	0.520043	-1.84172	-1.88574	-3.62509	-7.02457	-6.17863	-8.65686	-16.1679	-13.6668	-13.6065	-20.389	-20.9194	-19.6912	-18.6817	-28.3934	-35.6502	-22.8604	-23.6761	-21.7791	-18.4554	-24.6082	-19.9326	-36.7518	-22.3252	-28.7258	-25.926	
15	7.1837014	6.888484	6.502744	6.207552	5.56592	5.505373	5.125455	3.657620	2.910077	2.035712	1.410725	-0.80738	-1.08544	-2.54174	-5.08785	-7.7565	-13.3414	-21.9133	-12.9544	-20.8453	-24.253	-19.024	-18.2704	-20.9767	-31.6652	-22.368	-24.809	-24.405	-18.8073	-23.4707	-19.8287	-33.948	-22.0843	-20.0379	-26.7152		
20	7.1837014	6.893001	6.559956	6.385893	6.293432	6.106808	5.444454	4.19527	3.538056	3.371842	1.811511	-0.2689	-0.56112	-2.00667	-5.60953	-6.14916	-8.07812	-13.971	-12.6744	-12.896	-20.496	-24.6643	-18.4551	-19.2867	-30.256	-28.9554	-22.1207	-26.7739	-19.9121	-20.5602	-22.7229	-30.5027	-30.7057	-22.3804	-29.5898	-27.6173	
25	7.1837014	6.893001	6.612588	6.546057	6.472158	6.259905	5.660929	4.547269	3.814587	3.405949	1.738892	-0.3839	-0.65395	-2.19305	-5.93415	-6.70076	-8.10066	-13.3315	-13.9715	-14.7819	-22.2797	-20.059	-18.8228	-20.6539	-30.0062	-24.0823	-24.036	-27.361	-19.5203	-22.9648	-22.8855	-22.4801	-28.9367	-23.2973	-30.307	-26.654	
30	7.1837014	6.890675	6.658766	6.669541	6.597823	6.369908	5.756134	4.653113	3.746621	3.103256	1.319387	-0.8678	-1.24092	-2.89332	-6.85128	-7.12198	-7.94752	-12.7135	-14.3105	-14.9646	-18.8447	-22.1467	-19.8775	-22.2598	-29.7994	-28.5082	-26.0977	-25.4872	-19.5378	-24.8894	-24.5979	-25.624	-27.9503	-24.9154	-30.9176	-29.8525	
35	7.1837014	6.892697	6.689099	6.754842	6.641826	6.317451	5.677988	4.515969	3.436933	2.660261	0.913541	-1.11825	-1.32036	-2.95344	-6.70076	-7.14784	-7.66238	-12.7193	-13.7574	-14.3943	-19.4979	-22.1467	-19.8775	-22.2598	-29.7994	-28.5082	-26.0977	-25.4872	-19.5378	-24.8894	-24.5979	-25.624	-27.9503	-24.9154	-30.9176	-29.8525	
40	7.1837014	6.885154	6.708357	6.802813	6.614008	6.163277	5.452682	4.250289	3.149259	2.43725	0.976122	-0.62561	-0.70525	-2.09653	-5.26543	-5.96106	-6.70706	-11.2883	-13.0977	-13.5935	-17.4008	-25.1324	-20.6688	-19.1515	-21.0132	-30.4848	-25.7513	-21.9804	-22.6714	-26.8534	-20.6425	-23.6156	-29.3636	-28.1332	-30.6288	-32.9593	
45	7.1837014	6.874668	6.715436	6.818295	6.52774	5.924754	5.145302	4.040607	3.177638	2.704355	1.604905	0.31651	-0.07206	-1.47382	-4.47558	-5.30737	-6.22474	-13.3463	-13.4607	-15.9573	-24.4942	-20.7228	-18.2421	-20.6592	-30.0858	-24.5091	-20.8087	-23.7876	-27.7741	-25.4855	-21.2025	-33.6486	-26.4298	-29.962	-34.3626		
50	7.1837014	6.861937	6.712505	6.89302	6.40051	5.637834	4.842781	4.029309	3.589596	3.337624	2.407462	1.167609	0.553201	-1.08287	-2.25237	-5.64745	-6.503	-10.1159	-14.388	-14.9604	-15.4202	-20.5934	-19.3162	-18.3031	-23.0216	-29.6744	-23.1969	-20.2607	-23.6072	-29.1032	-22.2866	-20.3991	-38.8739	-23.9067	-29.4534	-35.3961	
55	7.1837014	6.847792	6.702869	6.786288	6.254619	5.348986	4.624883	4.229606	4.177046	3.948224	2.908871	1.956313	0.722898	-0.84542	-3.784	-5.68798	-7.0276	-11.114	-14.4005	-14.4008	-14.9732	-18.5841	-17.0564	-16.6565	-27.514	-24.489	-22.8086	-20.8635	-24.4712	-20.2096	-21.0119	-21.045	-29.8934	-22.0484	-29.294	-35.1185	
60	7.1837014	6.833157	6.690435	6.761203	6.1166	5.108911	4.538069	4.547224	4.681518	4.254506	2.896833	1.260041	0.241663	-1.46637	-3.13623	-5.95948	-7.61285	-11.5842	-13.0444	-11.9061	-14.1704	-17.1739	-15.9005	-18.911	-26.3977	-29.7902	-23.1024	-22.7289	-27.4943	-28.3096	-21.0571	-22.8764	-24.9798	-21.0657	-29.4087	-33.5947	
65	7.1837014	6.801607	6.679184	6.7461	6.014291	4.963057	4.907004	4.874189	4.976333	4.217844	2.440318	0.527468	-0.48775	-2.35343	-5.40225	-5.71527	-7.97801	-10.882	-10.7399	-14.7299	-18.3016	-18.5695	-21.9573	-27.4103	-25.5967	-27.1119	-25.5967	-27.1119	-25.5967	-27.1119	-25.5967	-27.1119	-25.5967	-27.1119	-25.5967	-27.1119	
70	7.1837014	6.806313	6.726643	6.751335	5.971446	4.940018	4.763361	5.152771	5.067321	3.958312	1.823765	-0.12445	-0.68081	-2.11916	-4.95842	-5.80847	-6.60076	-8.49397	-9.78872	-10.3275	-15.7699	-18.6882	-17.4336	-17.7465	-20.3709	-23.1044	-22.3756	-27.3227	-29.0019	-25.1468	-23.605	-24.8929	-21.8147	-21.5462	-28.5306	-29.7635	
75	7.1837014	6.795996	6.673449	6.783686	6.001377	5.042262	5.02739	5.3778	5.023448	3.649021	1.452365	-0.27415	-0.58484	-1.85597	-4.3046	-5.32551	-6.06563	-9.01786	-10.6201	-11.9586	-17.3658	-18.9915	-17.7685	-17.7421	-21.7047	-20.7295	-22.2272	-25.534	-26.5707	-26.0008	-24.209	-23.5213	-22.4916	-22.6669	-26.8463	-28.129	
80	7.1837014	6.788882	6.68307	6.844991	6.10265	5.244784	5.334074	5.571355	4.92503	3.449011	1.521794	-0.09659	-1.2518	-3.24787	-5.97966	-6.93577	-8.0389	-11.899	-13.7309	-14.407	-16.3534	-18.4589	-16.9919	-18.6728	-23.8012	-19.8341	-23.0408	-23.8983	-27.0778	-26.56	-22.9171	-22.4901	-24.5159	-23.491	-24.9278	-26.7496	
85	7.1837014	6.785699	6.701725	6.931841	6.29451	5.503092	5.655636	5.75582	4.837457	3.261179	1.760301	0.217225	-1.97699	-5.1383	-6.86798	-8.45326	-11.1146	-15.3881	-16.9836	-13.8545	-14.3098	-16.8819	-16.1205	-19.745	-23.4654	-20.4594	-24.5446	-24.5446	-24.5446	-24.5446	-24.5446	-24.5446	-24.5446	-24.5446	-24.5446	-24.5446	
90	7.1837014	6.786905	6.728527	7.036503	6.446672	5.760616	5.938368	5.928341	4.79808	3.094648	1.736339	0.252008	-2.07911	-4.90914	-7.51868	-9.13465	-10.2264	-13.3306	-13.8461	-12.3114	-14.0452	-16.865	-17.4413	-22.1217	-25.0833	-23.6269	-26.6788	-25.8846	-29.4733	-22.827	-20.7685	-22.6406	-26.9487	-21.8901	-22.0307	-24.6663	
95	7.1837014	6.792972	7.061806	7.148792	7.055173	5.98774	6.132025	6.045389	4.796745	2.928488	1.377523	0.264045	-2.49589	-4.03651	-5.56935	-7.59792	-9.48253	-12.3396	-12.9263	-12.9263	-12.9263	-12.9263	-12.9263	-12.9263	-12.9263	-12.9263	-12.9263	-12.9263	-12.9263	-12.9263	-12.9263	-12.9263	-12.9263	-12.9263	-12.9263	-12.9263	-12.9263
100	7.1837014	6.804083	6.799546	7.258282	6.808135	6.136799	6.193528	6.039502	4.765222	2.839086	1.088159	-0.68356	-2.54624	-4.00087	-5.9091	-8.64517	-10.9278	-13.1383	-14.5225	-15.2161	-20.9955	-25.1957	-25.0194	-22.0906	-22.9029	-23.2553	-22.8415	-25.0616	-25.3657	-23.7124	-23.2382	-26.3852	-23.4883	-20.906	-20.9241	-23.3123	
105	7.1837014	6.821284	6.839623	7.356283	6.945266	6.201853	6.106166	5.866334	4.629429	2.81158	1.194979	-0.34562	-1.1146	-4.782	-7.7878	-10.8446	-12.4164	-16.117	-10.103	-17.9697	-20.1667	-20.5091	-18.8928	-20.6117	-21.372	-22.4927	-28.3502	-26.5871	-26.0409	-25.8046	-29.4386	-22.6085	-21.8203	-20.9559	-22.8536		
110	7.1837014	6.841458	6.881175	7.437204	7.043943	6.193359	5.893035	5.543039	4.372321	2.719044	1.326051	0.153052	-1.45307	-4.25567	-8.59164	-11.15	-11.5892	-14.5735	-17.4513	-16.186	-15.1531	-18.9714	-17.521	-18.184	-20.1592	-20.3155	-25.5971	-30.651	-24.7671	-27.7538	-27.5229	-28.8065	-22.0236	-23.9983	-21.2416	-22.5161	
115	7.1837014	6.867334	6.922791	7.49915	7.108451	6.139968	5.61382	5.144714	4.070	2.42648	0.94033	-0.17992	-1.52455	-4.19419	-8.3075	-9.88406	-10.7076	-14.8139	-17.3302	-14.7699	-15.706	-18.9732	-17.5291	-18.349	-20.144	-20.8787	-26.7393	-26.1456	-23.0055	-28.4724	-27.3793	-25.8992	-23.1994	-27.5756	-21.5965	-22.846	
120	7.1837014	6.897749	6.964519	7.543771	7.149596	6.078199	5.34414	4.76356	3.697561	1.962762	-0.08793	-1.72481	-2.8713	-5.06889	-8.59452	-10.4951	-12.3078	-16.8333	-16.7335	-16.1679	-20.0215	-20.8949	-20.8789	-26.7614	-21.3588	-24.7125	-26.6992	-25.7178	-23.4467	-28.2516	-27.4524	-24.4934	-30.3897	-30.0075	-21.7929	-22.1488	
125	7.1837014	6.931362	7.00666	7.55417	7.181488	6.043898	5.147881	4.466522	3.428254	1.597426	-1.00062	-3.82333	-5.07424	-6.88038	-10.4758	-12.9083	-14.4489	-17.5531	-19.7103	-22.7946	-25.418	-24.8807	-28.3232	-23.2402	-24.8343	-25.5733	-24.2681	-26.0217	-24.0464	-26.6924	-30.173	-24.7521	-20.0468	-27.0799	-21.6875	-22.9498	
130	7.1837014	6.968256	7.040633	7.599722	7.21827	6.062222	5.006006	4.27218	3.289585	1.57318	-1.14073	-4.4075	-5.72582	-12.5808	-14.1926	-15.5532	-16.6893	-24.1527	-26.4934	-27.7347	-27.3486	-25.9188	-25.7065	-26.792	-23.849	-26.0739	-25.25										

Raw data – ANT7 (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	6.577356	6.571929	6.573129	6.580003	6.583484	6.224112	2.053836	0.048018	0.260344	-1.6007	-4.9302	-1.7772	-4.47772	-11.4745	-8.35273	-9.73848	-18.7581	-14.3834	-15.6581	-22.9112	-22.6597	-28.7245	-27.6289	-23.3896	-14.3730	-26.2007	-20.6445	-30.1849	-23.8879	-26.4347	-22.6927	-28.8799	-26.3799	-22.7089	-23.9999		
5	6.9377016	6.622863	5.813489	5.203114	4.509354	4.574897	2.991667	1.037358	1.149646	-0.54151	-3.34553	-3.22191	5.55216	9.97576	-7.82057	-9.97437	-17.8489	-14.0446	-14.9478	-21.7423	-21.4104	-19.0128	-20.4165	-26.7824	-33.1916	-26.2827	-23.3235	-25.075	-19.5508	-25.6008	-20.0694	-34.7546	-22.6759	-26.9788	-23.7076		
10	6.9377016	6.605915	6.289186	5.986459	5.68205	5.543841	4.931601	3.234133	2.141601	2.193197	0.619224	-1.8509	-1.98166	-3.74699	-7.21914	-6.322	-8.74174	-13.6623	-13.6708	-19.4556	-20.1634	-19.9448	-18.7443	-26.6489	-34.1678	-24.3648	-21.9173	-18.5436	-24.9708	-17.9495	-41.42	-41.9051	-26.9008	-24.0671			
15	6.9377016	6.657259	6.251413	6.164757	6.012297	5.886728	5.231189	3.80134	2.999688	2.937152	1.37622	-0.9504	-1.42225	-2.70866	-5.88662	-5.56713	-6.75035	-13.4171	-12.9119	-22.9668	-20.1137	-25.8503	-19.0912	-18.2041	-28.1178	-28.7831	-22.2816	-25.7181	-19.8919	-18.6591	-24.0726	-19.8771	-38.0638	-21.6267	-26.9761	-24.1479	
20	6.9377016	6.672924	6.410317	6.326188	6.256124	6.10651	5.446861	4.212936	3.495242	2.38496	1.615997	-0.58556	-0.92355	-2.32777	-6.18748	-6.88683	-12.7326	-12.1936	-12.9462	-20.1039	-20.8033	-18.9342	-19.4104	-28.5377	-27.1817	-22.1314	-26.8724	-19.1131	-20.1125	-23.1525	-20.6984	-32.6217	-21.9021	-27.1183	-24.949		
25	6.9377016	6.682978	6.460382	6.455836	6.407123	6.200934	5.566451	4.446243	3.674491	3.195941	1.467881	-0.66649	-1.00072	-2.54817	-6.27442	-6.72195	-7.98957	-12.9011	-13.0076	-13.3714	-13.1314	-25.2978	-18.5127	-20.5606	-28.8663	-28.7678	-24.3215	-26.3812	-18.7146	-22.2412	-22.8783	-22.5059	-29.3124	-22.8195	-27.4191	-25.4777	
30	6.9377016	6.697533	6.479565	6.459551	6.468954	6.196338	5.568388	4.479985	3.600493	2.954875	1.34889	-1.05648	-1.36956	-3.07256	-6.93491	-7.20636	-8.70317	-12.9006	-13.6357	-14.2013	-14.0693	-22.7192	-19.3421	-21.6947	-25.5189	-28.2145	-27.3277	-23.745	-18.4717	-23.3424	-24.0542	-25.4348	-27.3885	-34.472	-27.4193	-26.0635	
35	6.9377016	6.686881	6.519707	6.594829	6.450392	6.080535	5.43468	4.320975	3.745157	2.69057	0.957442	-1.04426	-1.21082	-2.92048	-6.778	-7.08648	-7.58742	-12.0181	-13.567	-14.136	-18.0907	-22.2001	-19.8263	-20.5217	-21.5587	-27.1268	-27.2708	-21.4415	-18.9566	-23.7648	-27.9656	-26.2459	-26.7033	-26.6538	-27.2168	-26.7791	
40	6.9377016	6.681501	6.526627	6.605594	6.362892	5.868808	5.183931	4.104494	3.218781	2.667506	1.256588	-0.31617	-0.41823	-1.88041	-5.21077	-6.09169	-6.89813	-11.3673	-12.991	-13.5712	-17.9707	-27.4764	-20.7888	-18.6853	-19.6868	-27.0064	-25.8008	-20.1668	-20.3642	-25.1101	-35.8755	-23.7184	-27.4381	-27.5804	-26.6191	-27.5871	
45	6.9377016	6.672708	6.519974	6.585301	6.221497	5.583701	4.882631	3.981008	3.364135	3.023149	1.96193	0.683098	0.362066	-1.15549	-4.28273	-5.32044	-6.32309	-11.1171	-13.4114	-13.714	-16.7605	-26.3759	-21.8189	-17.8416	-19.8615	-27.025	-24.3537	-19.6055	-21.8433	-27.4771	-28.3798	-21.5704	-29.9581	-25.4705	-25.9253	-28.5054	
50	6.9377016	6.659481	6.502887	6.544268	6.047037	5.265829	4.621988	4.07544	3.822454	3.606167	2.665517	1.417459	0.775783	-0.9541	-4.3593	-5.78066	-6.49218	-11.1271	-15.0109	-15.6059	-16.4372	-21.5845	-20.0769	-17.7399	-21.9021	-27.4228	-23.0731	-19.6258	-22.5787	-20.1394	-23.7631	-20.9624	-32.276	-22.6944	-25.3915	-25.5488	
55	6.9377016	6.664473	6.479528	6.495255	5.867007	4.969716	4.477714	4.364301	4.377624	4.072762	2.973764	1.578435	0.73178	-0.9772	-4.2405	-6.23083	-7.20834	-11.5237	-15.5275	-15.0688	-15.2789	-19.0689	-17.6932	-18.2558	-25.1822	-26.798	-21.923	-20.2555	-23.4779	-20.5219	-21.9916	-21.9501	-28.1415	-20.6599	-25.1976	-30.6647	
60	6.9377016	6.628952	6.454516	6.452138	5.713315	4.751581	4.479528	4.729672	4.797019	4.18451	2.708009	1.054803	0.059289	-1.68692	-6.4855	-6.51054	-7.94032	-12.3545	-14.2738	-12.7414	-13.7605	-17.4116	-16.2629	-18.8926	-23.79	-24.7145	-21.0299	-21.5109	-23.3216	-26.6797	-21.7383	-24.6378	-23.9915	-19.5035	-25.4481	-31.705	
65	6.9377016	6.613325	6.432325	6.427966	5.616532	4.653012	4.609154	5.060721	4.98499	3.940474	1.939614	0.161239	-0.68642	-2.47418	-5.30302	-6.17856	-7.36663	-10.5381	-11.5163	-10.8234	-13.442	-16.9217	-15.4943	-18.7509	-20.4634	-22.7	-20.5626	-23.7466	-27.5523	-23.6868	-22.5814	-28.7162	-21.6935	-19.1836	-26.1813	-32.3591	
70	6.9377016	6.599024	6.416731	6.432686	5.598202	4.687908	4.822337	5.303812	4.972067	3.515649	1.212064	-0.43023	-0.61463	-2.02111	-4.71025	-5.61082	-6.27489	-8.69479	-9.68908	-10.0431	-13.5712	-17.1589	-16.9948	-17.707	-19.1027	-20.6372	-20.4733	-26.9798	-28.0848	-22.8835	-24.6022	-29.5584	-20.9359	-19.6866	-27.3068	-32.2975	
75	6.9377016	6.587159	6.410384	6.471209	5.664548	4.840156	5.07341	5.45288	4.830724	3.112009	0.786487	-0.53056	-0.43613	-1.58877	-3.93555	-5.02917	-5.9941	-8.82029	-9.96825	-11.0151	-16.4147	-18.28	-17.012	-16.9869	-19.5064	-19.154	-21.0325	-26.6709	-27.1018	-24.2676	-27.4981	-26.5035	-21.6131	-21.0275	-28.3882	-31.4948	
80	6.9377016	6.578734	6.414588	6.542489	5.804936	5.072811	5.328857	5.528622	4.621935	2.829705	0.82484	-0.58317	-1.35421	-3.06879	-5.50066	-6.26616	-7.51764	-11.4812	-13.0755	-13.9936	-17.2344	-19.1684	-16.6896	-17.1626	-20.9163	-18.8305	-22.3256	-24.147	-27.893	-27.359	-27.6395	-24.3173	-23.9177	-23.1346	-28.5453	-30.2761	
85	6.9377016	6.574602	6.429325	6.640002	5.995898	5.34163	5.568679	5.568011	4.397478	2.624878	1.056824	-0.52798	-2.61252	-5.8016	-8.7651	-9.28685	-10.6918	-16.0688	-18.2646	-15.3596	-15.0558	-17.2027	-15.9015	-18.4043	-22.642	-19.8685	-23.9853	-24.254	-33.8609	-27.9375	-25.1557	-23.2953	-28.4822	-25.3828	-27.4784	-28.9756	
90	6.9377016	6.575441	6.45351	6.75347	6.208313	5.650992	5.777878	6.608009	4.219906	2.417457	1.11905	-0.41534	-2.72507	-5.35562	-10.1808	-10.1815	-11.5611	-14.0666	-15.626	-13.6235	-14.1118	-16.67	-19.8014	-21.6317	-25.5244	-22.655	-25.6546	-27.1901	-32.4553	-25.4444	-23.946	-22.2374	-23.9771	-26.1916	-25.9858	-27.7732	
95	6.9377016	6.581732	6.485415	6.871229	6.414389	5.829089	5.957378	5.656361	4.147256	2.588845	0.94323	-0.58164	-2.4054	-3.72437	-5.45226	-8.03135	-10.1794	-12.809	-13.8446	-15.3171	-15.7119	-19.2183	-20.6044	-26.1008	-26.3573	-24.9441	-24.5016	-27.6938	-25.766	-24.4791	-24.452	-24.1113	-29.9118	-25.5172	-24.7269	-26.7343	
100	6.9377016	6.594572	6.523158	6.982586	6.592531	5.989301	6.015034	5.678635	4.173948	2.28554	0.847093	-0.69225	-2.99457	-5.40284	-8.20326	-10.2647	-14.332	-15.2605	-15.0078	-15.2677	-19.2267	-22.0867	-23.6577	-22.5911	-22.127	-23.1599	-22.922	-27.9917	-26.4504	-24.432	-25.6164	-26.1498	-28.8217	-26.223	-25.0561	-23.8894	-25.8702
105	6.9377016	6.611572	6.565137	7.079668	6.729949	6.075791	5.994267	5.624174	4.209791	2.440753	1.079623	-0.41056	-2.31274	-4.61321	-7.93929	-10.7725	-11.9554	-15.7609	-18.0451	-19.2023	-19.1186	-20.8347	-21.3734	-19.0431	-20.4958	-21.9146	-21.9996	-28.8646	-25.386	-28.2126	-27.6685	-27.1917	-24.1104	-25.6017	-23.442	-25.451	
110	6.9377016	6.63505	6.610329	7.158544	6.82524	6.085598	5.872138	5.465348	4.14668	2.447223	1.083752	-0.24144	-1.71815	-5.55078	-9.84424	-11.6078	-12.638	-15.3573	-17.8401	-18.4122	-20.7346	-20.7925	-22.7551	-29.482	-24.7027	-29.7537	-27.5348	-25.9466	-22.4894	-27.5348	-25.9466	-22.4894	-27.5348	-25.9466	-22.4894	-27.5348	
115	6.9377016	6.665842	6.65887	7.215959	6.879486	6.043028	5.672571	5.21485	3.945335	2.122055	0.48034	-0.89127	-1.39159	-5.09458	-8.80576	-9.96643	-11.2827	-17.6048	-21.139	-16.1727	-17.0818	-21.2586	-17.7305	-20.7959	-20.644	-21.0621	-25.2219	-26.2939	-23.53	-28.9676	-26.5135	-23.7057	-31.0669	-28.389	-23.1863	-24.988	
120	6.9377016	6.697403	6.709405	7.266539	6.911592	5.977391	5.43871	4.916454	3.658283	1.598217	0.78809	-2.54995	-3.49325	-5.33595	-8.21426	-9.88807	-11.5474	-16.3933	-16.6154	-16.4343	-21.4766	-21.8438	-21.1988	-24.9048	-21.6215	-25.0965	-26.78	-25.7355	-24.1162	-26.2788	-22.5277	-20.1059	-28.0488	-23.0831	-23.9001		
125	6.9377016	6.735	6.763747	7.30592	6.938711	5.972966	5.221867	4.621685	3.966652	1.251771	0.69885	-4.5378	-5.7501	-7.44225	-10.5523	-12.2412	-13.5352	-17.7376	-21.2625	-24.367	-24.3985	-23.7845	-26.2462	-25.5428	-25.1175	-23.707	-26.6027	-24.3433	-25.3427	-28.4654	-27.7006	-19.937	-25.7232	-22.7912	-23.688		
130	6.9377016	6.77527	6.821426	7.344216	6.977414	5.909595	5.069794	4.364198	3.196937	2.69157	-1.43443	-4.73675	-7.59004	-10.5263	-14.4728	-16.2711	-16.7287	-18.7712	-21.9915	-25.869	-22.027	-25.0722	-25.9322	-25.9268	-28.7152	-23.1788	-24.8679	-26.7796	-23.2299	-24.8662	-23						

Raw data – ANT7 (6.525GHz)

TeraTb/s	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	7.352152	6.915205	6.472006	6.118777	5.27961	4.71721	4.86368	2.92747	4.06808	1.252938	-0.6949	-5.1127	-33.1935	-5.19225	-10.3293	-6.6594	-10.1366	-87.717	-12.8557	-14.332	-28.4996	-23.9173	-19.4394	-22.9746	-29.1843	-27.1259	-16.3006	-35.5312	-19.9537	-29.209	-23.5756	-29.9761	-24.2605	-30.9697	-24.5981	-27.7055	
5	7.352152	7.02166	6.574315	6.246953	5.50611	5.100522	5.095239	3.862115	1.328584	1.654888	-0.36357	-4.2284	-27.7408	-4.36179	-8.6589	-6.14778	-9.9017	-11.2411	-18.811	-18.811	-24.291	-22.1522	-16.7987	-21.4656	-32.1205	-25.585	-20.9223	-29.4771	-19.1455	-24.6234	-23.6189	-27.2749	-25.6208	-32.1214	-24.5314	-28.5229	
10	7.352152	7.091668	6.674285	6.311266	5.56416	5.14228	5.293739	3.737612	1.913686	1.91088	-0.3827	-3.2082	-17.9785	-5.5284	-7.4859	-5.9899	-8.0381	-13.4858	-10.6628	-13.5293	-25.5641	-21.491	-16.1927	-21.8794	-32.5695	-24.927	-21.7326	-26.4276	-21.2006	-25.5131	-23.6786	-23.8889	-26.885	-32.0064	-24.8077	-29.991	
15	7.352152	7.149222	6.763491	6.382546	5.797386	5.5648	5.5648	5.5648	5.5648	5.5648	5.5648	5.5648	5.5648	5.5648	5.5648	5.5648	5.5648	5.5648	5.5648	5.5648	5.5648	5.5648	5.5648	5.5648	5.5648	5.5648	5.5648	5.5648	5.5648	5.5648	5.5648	5.5648	5.5648	5.5648	5.5648		
20	7.352152	7.196613	6.856749	6.4347	5.845762	5.74891	5.570285	4.094843	2.646704	2.210437	0.466709	-2.1008	-1.128	-2.84845	-2.73555	-5.9808	-7.32772	-13.3002	-11.6698	-13.2148	-21.4322	-21.6304	-19.7828	-21.761	-36.2843	-26.024	-21.49	-26.281	-24.3485	-22.8455	-23.9085	-21.8937	-27.0529	-29.7655	-25.4514	-29.8285	
25	7.352152	7.232073	6.880064	6.4412	5.835468	5.745469	5.554085	4.099776	2.516957	2.201489	-2.00612	-1.41591	-3.24516	-7.93521	-6.84616	-7.88012	-14.8593	-13.6784	-14.8106	-21.4189	-22.779	-20.0587	-21.9805	-25.9623	-26.8825	-23.586	-29.771	-21.3748	-22.6238	-23.2255	-21.206	-24.285	-25.4987	-27.9902	-29.2019		
30	7.352152	7.257843	6.901472	6.437669	5.785048	5.654585	5.541001	4.065165	2.660181	2.389739	-0.22357	-1.1568	-1.16987	-3.03147	-7.84185	-7.15245	-8.6860	-15.9051	-14.2658	-14.8104	-21.6815	-22.7665	-20.181	-21.987	-24.569	-28.912	-22.9468	-29.6792	-21.2939	-21.7116	-21.615	-23.2169	-23.7483	-23.8986	-26.889		
35	7.352152	7.271205	6.908747	6.41806	5.725999	5.632056	5.532361	4.125388	3.040357	2.906632	1.470201	-0.66934	-0.59527	-3.98878	-6.68742	-7.60349	-8.38031	-15.7529	-13.9404	-13.4662	-19.9453	-22.276	-19.5097	-22.289	-25.7469	-30.454	-24.031	-25.281	-22.058	-23.3673	-23.5939	-24.1037	-23.688	-25.268	-31.725	-26.689	
40	7.352152	7.27349	6.908742	6.418065	5.674097	5.46324	5.295986	4.34548	3.06571	3.55859	1.085833	-0.21486	-0.26013	-6.7924	-6.6164	-7.63957	-14.9484	-14.1763	-13.9051	-14.896	-21.4399	-23.6892	-23.584	-26.699	-31.3602	-26.2201	-21.2939	-21.7116	-21.615	-23.2169	-23.7483	-23.8986	-26.889	-31.9243	-25.309		
45	7.352152	7.26565	6.87337	6.36371	5.74829	5.628	5.470153	5.403137	4.60831	4.141297	0.67063	2.747395	0.623299	0.35194	-1.60715	-6.5204	-7.28203	-8.0282	-14.528	-13.7041	-13.9203	-22.297	-24.292	-21.216	-22.1624	-27.343	-26.746	-24.928	-22.732	-24.0867	-29.281	-21.7129	-23.9533	-24.9919	-29.515	-30.0103	-24.0136
50	7.352152	7.248689	6.71436	6.35475	5.74669	5.55938	5.59297	5.06391	4.51767	4.27603	0.30054	1.44136	-1.1199	-7.00757	-8.0822	-7.3862	-13.9595	-14.1923	-14.9219	-20.1088	-21.438	-21.1027	-20.388	-21.4403	-28.1146	-24.5056	-22.792	-27.2426	-21.3257	-25.9234	-22.821	-27.209	-22.9558	-27.6022	-28.225	-25.835	
55	7.352152	7.224458	6.70278	6.357534	5.814313	5.680474	5.79995	5.56148	4.65586	4.17655	0.875833	0.91433	0.91498	-1.7893	-6.1414	-6.91818	-7.4554	-14.1428	-14.5518	-14.917	-20.767	-23.0688	-21.824	-21.2284	-23.3033	-25.449	-21.9846	-23.421	-24.7643	-26.305	-23.5128	-22.8767	-27.2709	-27.1069	-25.5451	-21.833	
60	7.352152	7.19437	6.6275	6.30896	5.59846	5.51364	5.58783	4.568128	3.752499	2.57783	0.50582	-0.40807	-0.88174	-6.30636	-6.98286	-7.19424	-13.1693	-14.3987	-17.5767	-18.6194	-18.6184	-22.8428	-26.7868	-22.4548	-22.4548	-22.4548	-22.4548	-22.4548	-22.4548	-22.4548	-22.4548	-22.4548	-22.4548	-22.4548	-22.4548	-22.4548	
65	7.352152	7.16154	6.55482	6.42034	5.61128	5.602843	6.153789	5.602843	4.73588	3.716194	1.65558	-0.20885	-0.18627	-1.60116	-4.958	-5.50043	-7.0689	-13.747	-13.742	-18.863	-15.4	-16.1119	-15.504	-22.3573	-23.9141	-21.13	-23.6471	-20.3564	-25.8691	-22.8802	-22.7212	-26.6991	-25.3453	-27.722	-30.1899		
70	7.352152	7.127017	6.480064	6.326895	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	
75	7.352152	7.092318	6.431818	6.271788	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	
80	7.352152	7.062339	6.362068	6.178504	5.678541	5.678541	5.678541	5.678541	5.678541	5.678541	5.678541	5.678541	5.678541	5.678541	5.678541	5.678541	5.678541	5.678541	5.678541	5.678541	5.678541	5.678541	5.678541	5.678541	5.678541	5.678541	5.678541	5.678541	5.678541	5.678541	5.678541	5.678541	5.678541	5.678541	5.678541	5.678541	
85	7.352152	7.030405	6.306868	6.388407	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	5.617168	
90	7.352152	7.019097	6.2506	6.354001	5.712288	5.68034	6.834534	6.012825	4.41272	3.24655	2.154479	-0.43479	-1.47958	-5.54382	-7.5289	-6.7301	-8.5628	-16.1685	-15.0997	-14.5176	-19.0502	-19.5265	-15.4218	-22.2952	-19.4227	-21.9766	-21.0578	-25.8587	-22.7233	-21.9561	-24.0192	-22.6583	-27.7296	-24.7301	-25.4737	-17.9757	
95	7.352152	7.00335	6.35636	7.04541	5.22804	5.680129	6.711796	5.84349	4.222032	3.34427	2.095997	-0.03604	-1.45124	-3.8908	-8.7341	-8.84637	-9.51247	-16.3827	-15.7068	-12.9689	-18.8005	-17.767	-16.1548	-22.692	-20.8022	-24.0081	-20.0561	-26.8428	-22.1548	-27.9646	-26.2024	-23.3385	-24.6486	-24.441	-20.703	-19.799	
100	7.352152	6.99057	6.37232	7.11671	5.28278	6.75354	6.510164	5.57842	3.842894	2.71708	1.5809	-0.15663	-1.40504	-2.79142	-6.62318	-7.60295	-8.18108	-14.2882	-13.6473	-12.8551	-20.68	-17.368	-18.8023	-21.2527	-25.7813	-21.2476	-20.3332	-23.8649	-21.7114	-28.794	-23.685	-26.4888	-25.0434	-24.7004	-21.0155	6.6927	
105	7.352152	7.003527	6.401382	7.166279	5.284738	6.555162	6.27842	5.581367	3.81148	2.08948	0.861351	-0.83507	-1.77515	-1.9802	-6.37029	-8.2272	-8.7195	-14.3085	-14.6385	-14.831	-20.8175	-21.7659	-20.1821	-21.3534	-23.8725	-21.5971	-20.9879	-22.7327	-20.3043	-26.669	-26.3915	-24.2146	-24.1612	-21.3886	-17.6929		
110	7.352152	7.016758	6.44371	7.19997	5.271282	6.45599	6.086249	5.546669	3.516463	1.573283	0.250636	-1.61382	-2.83473	-4.31546	-5.9389	-2.6855	-10.1	-14.408	-15.698	-15.331	-21.7222	-27.75	-20.8716	-22.5909	-22.2244	-21.4522	-23.9408	-22.6785	-24.276	-26.059	-22.5789	-22.9697	-21.1278	-27.534	-21.695	-17.7014	
115	7.352152	7.0383	6.490693	7.2151	5.27289	6.35955	5.96666	5.54665	3.011922	1.14961	-0.23696	-2.07529	-3.26867	-6.8531	-7.7769	-10.3148	-11.5028	-14.7469	-16.54	-15.6996	-20.861	-22.4786	-20.809	-21.7109	-23.2264	-27.8052	-23.7191	-26.259	-25.5689	-22.561	-22.516	-22.046	-27.366	-26.9023	-21.666	-17.815	
120	7.352152	7.067274	6.569428	7.22845	5.27341	6.315085	5.91511	5.50555	2.926627	0.714654	-0.29746	-2.68512	-3.3305	-4.5909	-8.20363	-10.854	-11.9966	-14.5827	-18.668	-16.8722	-21.3291	-23.6322	-21.9072	-21.1419	-29.2407	-28.9882	-23.4741	-23.8937	-25.1641	-28.9289	-23.4969	-24.622	-20.708	-24.381	-21.3821	-17.9929	
125	7.352152	7.102406	6.658252	7.241596	5.12935	6.30211	5.907	5.50479	2.90463	0.932205	-1.93433	-4.06267	-4.34379	-5.5556	-9.2093	-11.8727	-11.6466	-16.1759	-19.7229	-18.7127	-24.922	-21.8383	-26.191	-21.5484	-26.037	-20.7117	-23.5834	-24.8491	-24.917	-31.604	-23.426	-22.308	-22.0339	-21.257	-20.9569	-18.240	
130	7.352152	7.142082	6.74808	7.261155	5.126923	6.373391	5.896352	5.400722	2.9747	0.514064	-2.2192	-5.52989	-6.36343	-5.8046	-11.5698	-12.3758	-13.7017	-18.713	-20.4161	-18.72	-21.486	-23.852	-21.6901	-21.605	-22.3296	-30.239	-20.809	-21.1353	-22.9522	-24.7718	-22.177	-22.7441	-24.7237	-20.8074	-20.5994	-18.5709	
135	7.352152	7.184425	6.855359	7.289453	5.127662	6.374054	5.894928	5.400723	3.03841	1.125757																											

Raw data – ANT7 (6.695GHz)

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	7.1720722	6.87015	6.371033	6.133054	5.393051	5.000941	5.168964	3.113024	0.407709	1.223865	-0.97759	-5.6073	-3.27447	-5.24622	-10.1887	-6.07419	-9.58166	-17.3109	-11.6822	-13.7674	-28.2754	-22.4248	-18.4634	-19.448	-27.1619	-27.0013	-17.5791	-26.3266	-20.8771	-26.1788	-23.5043	-28.4929	-25.8326	-27.4044	-23.205	-25.4733
5	7.1720722	6.950572	6.469622	6.212507	5.690143	5.433643	5.366105	3.479374	1.199172	1.676837	-0.41966	-4.0752	-2.215	-3.87425	-7.8653	-5.24323	-8.87212	-15.2951	-10.4228	-16.6134	-28.7608	-22.8786	-20.9218	-22.8226	-29.7545	-21.2457	-25.6883	-26.2641	-29.4887	-27.5313	-27.2986	-23.0329	-26.3858	-26.5858	-27.5577	
10	7.1720722	7.026005	6.576931	6.305076	5.950514	5.826041	5.597675	3.844971	1.893845	2.084999	0.19769	-2.50232	-0.92196	-2.3292	-5.85948	-4.32773	-7.07918	-12.7034	-9.64953	-11.7154	-21.6629	-20.7318	-19.5474	-18.8056	-24.5424	-26.4333	-21.0012	-25.5535	-23.9872	-24.9064	-26.5176	-25.2321	-27.9425	-26.8161	-23.243	-27.0557
15	7.1720722	7.094775	6.648904	6.397795	6.15075	6.141598	5.840208	4.19116	2.50623	2.550789	0.877885	-1.3835	-1.56705	-5.52574	-4.51352	-6.53786	-12.0834	-9.78112	-17.2013	-20.0928	-27.4007	-25.8525	-23.0484	-22.3849	-29.2244	-23.7494	-25.0677	-22.2316	-26.7643	-26.0029	-23.9884	-28.0273	-28.873	-27.5823		
20	7.1720722	7.155374	6.786067	6.483625	6.281534	6.342533	6.015748	4.431448	2.915017	2.920045	1.396107	-0.74767	-0.10809	-1.51451	-6.11224	-5.41875	-6.53786	-13.2097	-10.9917	-14.6277	-22.1947	-25.3886	-18.9359	-19.7306	-28.7304	-26.6714	-23.2097	-21.3058	-24.8727	-22.3424	-23.9747	-20.8677	-25.0003	-25.1547	-24.9657	-30.7752
25	7.1720722	7.206545	6.874321	6.560233	6.350433	6.418303	6.072591	4.533645	3.094457	3.033294	1.521731	-0.81666	-0.33141	-2.13637	-7.12711	-6.33738	-7.50858	-15.184	-13.2613	-14.0228	-23.0597	-21.2384	-20.5952	-20.7408	-28.2855	-24.719	-21.6072	-21.6211	-21.6264	-21.8425	-22.7878	-20.8407	-23.5088	-24.7434	-26.5555	-32.464
30	7.1720722	7.247359	6.945179	6.628471	6.378915	6.398315	6.033563	4.577296	3.230848	3.085266	1.542229	-0.95801	-0.73964	-2.65828	-8.0465	-7.0084	-8.39143	-16.145	-14.2928	-14.3401	-21.5064	-20.7162	-19.922	-20.7566	-22.9731	-24.2036	-20.549	-22.0384	-21.0085	-22.8455	-21.3625	-21.9913	-22.5846	-24.2073	-28.5938	-33.0598
35	7.1720722	7.277264	6.999505	6.690403	6.393158	6.336728	5.965434	4.654525	3.496785	3.308112	1.751323	-0.67524	-0.55566	-2.41078	-7.36307	-7.06931	-8.69396	-16.0874	-13.7328	-13.4032	-21.7506	-19.1956	-21.3442	-22.8803	-24.9173	-21.4951	-22.0136	-21.313	-24.9603	-20.2953	-23.8472	-22.2749	-24.4475	-30.3716	-31.7979	
40	7.1720722	7.296119	7.025453	6.747902	6.413454	6.28196	5.92007	4.77527	3.834642	3.620436	2.037293	-0.28197	-0.27556	-2.16707	-6.72448	-6.3613	-7.62039	-13.8168	-13.4338	-13.3501	-19.3119	-19.9674	-18.3325	-21.7555	-23.3172	-24.7254	-24.044	-22.0749	-21.4324	-26.6725	-19.9196	-24.6439	-22.5697	-25.0964	-30.2022	-29.6049
45	7.1720722	7.304193	7.034348	6.80245	6.449161	6.255874	5.910495	4.902272	4.108654	3.87301	2.341079	0.135589	0.03342	-1.85659	-6.65252	-6.48227	-7.18219	-13.3455	-12.5745	-13.0241	-16.6439	-20.73	-19.3207	-22.2616	-24.0857	-24.3038	-25.5756	-21.6321	-21.55	-26.2604	-20.1317	-23.4767	-23.4284	-25.7137	-28.1659	-27.6296
50	7.1720722	7.302155	7.024522	6.855911	6.501128	6.265639	5.926602	5.016153	4.268621	4.022788	2.669123	0.584045	0.332429	-1.49958	-6.05759	-6.10125	-7.26439	-14.4407	-12.102	-12.6662	-17.4771	-22.9019	-20.7266	-21.6802	-25.5347	-25.4762	-25.5323	-20.909	-21.7169	-24.7546	-26.0515	-22.149	-24.5935	-25.6256	-25.9262	-25.5461
55	7.1720722	7.291037	6.999086	6.911401	6.571253	6.273875	5.959596	5.119038	4.32709	4.037864	2.876532	0.915852	0.409638	-1.50251	-5.94415	-5.53418	-6.34755	-13.9238	-13.3015	-13.5948	-20.2531	-23.9074	-18.8864	-20.1409	-25.5308	-28.1525	-25.3022	-20.7127	-22.0188	-24.158	-21.2115	-22.1207	-25.2913	-24.7861	-24.1067	-26.9666
60	7.1720722	7.272186	6.96302	6.973239	6.661068	6.306609	5.994936	5.214892	4.308249	3.886574	2.808195	0.989052	0.416679	-1.43542	-5.62529	-5.55819	-6.2212	-12.6867	-14.2873	-13.9694	-17.7176	-19.5332	-16.5752	-20.1363	-23.6869	-26.2848	-20.2567	-21.3254	-22.3484	-22.7339	-24.4926	-23.8879	-22.735	-22.649		
65	7.1720722	7.247192	6.917766	7.046387	6.779539	6.365165	6.032426	5.304588	4.253457	3.68921	2.614714	1.073564	0.689081	-0.77192	-4.08112	-4.87582	-6.48042	-13.1179	-13.2226	-12.064	-16.0084	-17.3908	-15.875	-22.348	-25.1676	-22.1029	-18.927	-23.4105	-22.3827	-25.4636	-20.8607	-23.5113	-22.1871	-23.472	-21.7234	-21.5501
70	7.1720722	7.218717	6.870756	7.133442	6.930128	6.455683	6.144079	5.37407	4.21294	3.522609	2.526068	0.852608	0.35951	-3.32594	-3.89569	-5.88115	-6.20913	-11.7874	-10.7592	-16.1226	-15.5453	-19.7951	-21.2199	-23.8629	-19.9878	-19.4636	-27.3481	-22.5433	-23.4532	-20.1969	-23.7872	-22.2612	-23.7137	-20.976	-20.6467	
75	7.1720722	7.185907	6.824952	7.233912	7.110718	6.614898	6.277978	5.640208	4.206132	3.522963	2.579005	1.351694	1.123078	-0.43863	-4.05323	-4.55564	-6.89744	-11.4836	-10.9417	-10.2553	-17.0131	-19.1615	-16.2696	-19.2933	-22.1739	-18.9135	-22.0285	-28.4284	-24.0907	-20.9908	-20.3076	-23.3231	-21.9832	-24.5122	-20.422	-19.8757
80	7.1720722	7.153301	6.7835	7.343009	7.307778	6.79548	6.44054	5.540829	4.277212	3.58796	2.501555	1.76917	0.4324	-0.96762	-4.97673	-5.47521	-6.39327	-12.2362	-11.4419	-11.0322	-18.9223	-17.9615	-17.3541	-18.8195	-20.5654	-18.8454	-26.3325	-26.402	-28.2546	-19.3975	-21.7947	-22.3096	-22.9829	-25.4169	-20.0144	-19.2531
85	7.1720722	7.121748	6.748579	7.452393	7.49396	6.999236	6.592386	5.616634	4.266884	3.666314	2.428012	-0.10115	-0.99766	-2.05175	-5.41785	-6.01012	-6.66301	-13.2435	-12.6445	-13.1303	-21.1245	-22.82	-17.7153	-20.3815	-21.0178	-20.3642	-25.2464	-25.6559	-26.9875	-18.746	-25.5568	-21.0036	-23.082	-25.7281	-19.7353	-18.7517
90	7.1720722	7.092817	6.721479	7.552503	7.662117	7.09303	6.680959	5.657265	4.274804	3.691145	2.515987	-0.19315	-1.76309	-2.93333	-6.05969	-6.6023	-7.75242	-14.603	-14.2743	-15.5948	-19.9377	-23.4421	-19.0787	-22.2529	-20.0153	-21.2995	-25.938	-21.9888	-19.1275	-23.5108	-20.4851	-24.4933	-25.3385	-19.5847	-18.3605	
95	7.1720722	7.067829	6.702866	7.63506	7.779139	7.138711	6.667203	5.611306	4.175246	3.540797	2.556788	-0.462342	-0.93341	-2.53718	-6.39528	-7.548	-8.2999	-16.0569	-16.0609	-13.5838	-20.0177	-19.8147	-16.943	-21.0956	-20.9556	-21.8961	-19.522	-25.9945	-20.181	-20.763	-23.3283	-21.224	-26.3345	-24.8763	-19.5904	-18.0717
100	7.1720722	7.047792	6.693112	7.695162	7.845174	7.104663	6.550326	5.463741	3.954279	3.187133	2.289437	-0.79243	-0.15018	-1.90729	-5.9509	-7.00818	-8.43166	-14.5077	-14.2628	-12.1256	-18.3686	-18.0285	-19.6969	-21.9301	-19.8531	-21.8126	-20.6018	-23.663	-25.863	-23.5401	-26.0917	-24.7602	-19.6341	-17.8802		
105	7.1720722	7.033354	6.692568	7.732158	7.86775	7.017544	6.374125	5.261075	3.6902	2.771872	1.747226	-0.26837	-0.62947	-2.44475	-6.09923	-6.74872	-7.93231	-13.4855	-13.3428	-13.6396	-20.3991	-20.1924	-18.8133	-19.9917	-23.8913	-20.0433	-22.3534	-23.4306	-22.174	-26.5548	-23.8924	-26.2585	-22.817	-24.8614	-19.7364	-17.7834
110	7.1720722	7.024781	6.701669	7.749137	7.863997	6.924092	6.210547	5.080746	3.468614	2.463334	1.249327	-0.68017	-1.87865	-3.64745	-6.71642	-8.37968	-9.31317	-13.3107	-13.1779	-12.2564	-18.3797	-23.3157	-20.638	-25.907	-22.3608	-24.6787	-27.1067	-24.0731	-24.907	-19.8596	-24.6266	-19.6757	-17.781			
115	7.1720722	7.021947	6.720871	7.751355	7.853762	6.874307	6.128084	4.983558	3.300633	2.29443	1.009642	-1.20098	-2.56073	-0.40569	-7.18222	-8.72238	-9.72192	-13.0508	-13.9229	-14.1927	-18.4281	-20.6395	-19.1975	-24.9301	-25.5668	-27.9926	-23.6281	-23.611	-29.2029	-26.6976	-25.5739	-22.4112	-18.1811	-23.6727	-19.6394	-18.7872
120	7.1720722	7.024345	6.750431	7.744278	7.851129	6.899125	6.159921	4.929282	3.078355	2.196921	0.997795	-0.78355	-2.50432	-0.33816	-7.10407	-9.21246	-9.72192	-14.3853	-17.1509	-14.8903	-21.7831	-21.6805	-21.2397	-24.9301	-25.5668	-27.9926	-23.6281	-23.611	-29.2029	-26.6976	-25.5739	-22.4112	-18.1811	-23.6727	-19.6394	-18.7872
125	7.1720722	7.031122	6.790147	7.732114	7.858428	6.99413	6.289448	5.097812	3.028078	1.447335	-0.02944	-2.19216	-3.19016	-4.73886	-8.60139	-9.56103	-10.0778	-17.1788	-14.8841	-16.6874	-21.9765	-21.3986	-26.1685	-21.3358	-22.6122	-23.458	-22.8863	-26.4004	-25.8189	-29.89	-23.4005	-21.7292	-18.6688	-21.1345	-19.0276	-18.7398
130	7.1720722	7.041124	6.83913	7.717381	7.866511	7.122433	6.462386	5.257546	3.012174	0.893605	-1.16941	-3.82971	-4.98763	-11.0483	-11.0998	-12.0752	-12.2356	-18.8558	-18.7684	-20.7828	-24.3955	-25.026	-24.047	-26.5034	-25.9982	-26.3736	-20.5775	-25.3244	-23.7738	-22.0322	-22.0463	-21.0436	-20.3463	-18.783	-18.3739	

Raw data – ANT7 (6.875GHz)

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	7.2183112	6.695155	6.274009	6.297025	5.692072	5.144348	5.187444	2.898963	-0.0702	1.160938	-0.89516	-5.1213	-2.7382	-5.47352	-6.8788	-11.1641	-18.049	-16.024	-23.3391	-23.668	-20.7446	-20.3391	-20.6902	-20.6902	-20.6902	-20.6902	-20.6902	-20.6902	-20.6902	-20.6902	-20.6902	-20.6902	-20.6902	-20.6902	-20.6902	-20.6902	-20.6902
5	7.2183112	6.777692	6.46006	6.3716	5.99448	5.521218	5.321935	3.224608	0.687426	1.51755	-0.42897	-0.06216	-0.37676	-4.39149	-9.31555	-6.44627	-10.7008	-18.1439	-13.0087	-14.2765	-18.7816	-19.8089	-20.6902	-20.7096	-20.7096	-20.7096	-20.7096	-20.7096	-20.7096	-20.7096	-20.7096	-20.7096	-20.7096	-20.7096	-20.7096	-20.7096	-20.7096
10	7.2183112	6.859397	6.443566	6.430868	6.17933	5.848121	5.472888	3.511503	1.364773	1.88337	0.043375	-3.04318	-1.48319	-3.43523	-8.00827	-4.23787	-9.6509	-16.7608	-12.5262	-13.3999	-20.334	-20.3393	-19.1177	-21.4757	-24.4693	-24.9881	-24.7424	-22.3388	-31.4463	-24.119	-21.956	-21.4904	-23.9053	-26.0475	-21.41	-23.2963	
15	7.2183112	6.92271	6.519875	6.4694	6.310057	6.077534	5.631636	3.772529	2.001391	2.343272	0.669102	-2.08369	-1.00242	-2.96249	-6.72314	-9.1957	-16.4785	-13.0002	-13.8095	-20.3935	-21.2022	-20.7097	-23.9148	-22.5259	-28.8835	-20.8057	-31.1878	-23.135	-22.1626	-20.4818	-23.8351	-25.5083	-21.4657	-23.7058	-20.6902		
20	7.2183112	6.982495	6.585155	6.487603	6.363602	6.244275	5.749584	3.971218	2.477703	2.76856	1.203759	-1.35961	-0.84517	-2.98631	-8.92083	-7.71107	-9.7348	-17.266	-13.5906	-14.402	-24.0263	-22.6366	-20.655	-23.8134	-22.8535	-26.0822	-20.1484	-27.008	-22.095	-23.3495	-20.7197	-24.2657	-25.7017	-21.8417	-24.2879		
25	7.2183112	7.03393	6.636597	6.498873	6.355291	6.287791	5.798941	4.108417	2.819784	3.000492	1.418523	-1.22587	-0.95375	-2.91425	-9.50185	-8.94763	-10.8815	-14.9274	-18.2529	-18.6296	-23.2002	-21.1227	-22.961	-22.8029	-22.8632	-20.1078	-25.3727	-22.5984	-24.798	-22.2042	-24.8135	-26.7758	-22.557	-22.0272	-20.6902		
30	7.2183112	7.075253	6.672419	6.482008	6.391719	6.256999	5.802247	4.249667	3.089552	3.154153	1.544555	-1.1967	-0.90594	-2.89757	-8.30021	-6.58884	-8.51862	-17.025	-13.8397	-14.7023	-21.6577	-18.1536	-20.741	-21.2096	-23.7324	-22.4027	-22.1395	-20.8492	-24.1253	-24.2531	-25.3476	-24.9261	-25.0022	-29.1038	-23.6173	-26.0976	
35	7.2183112	7.106835	6.691816	6.469919	6.297929	6.195081	5.804408	4.444374	3.397044	3.252527	1.719966	-0.87857	-0.67729	-2.85737	-7.17533	-5.5243	-6.5057	-19.3473	-17.8675	-16.3554	-25.0968	-22.7417	-23.1941	-22.055	-22.9542	-25.463	-24.5645	-27.115	-24.8346	-33.7726	-24.9864	-27.914	-24.3283	-24.9283			
40	7.2183112	7.128946	6.694938	6.453611	6.194012	6.137309	5.833379	4.669617	3.675838	3.86201	1.713221	-0.67977	-0.34345	-1.92457	-6.13272	-5.72402	-7.8544	-14.5397	-13.7124	-13.2832	-18.5469	-19.957	-18.729	-21.1392	-24.9006	-22.5319	-24.7523	-22.6695	-22.4125	-25.2729	-23.2534	-25.4129	-24.8852	-40.9777	-26.5164	-29.0902	
45	7.2183112	7.142192	6.682912	6.437708	6.148835	6.079698	5.888808	4.873791	3.843799	3.303103	1.531818	-0.6994	-0.3876	-1.94941	-6.28524	-5.9423	-7.23386	-13.3488	-12.9059	-18.8784	-19.2543	-18.7526	-23.0365	-23.8103	-21.3145	-24.8628	-21.8665	-22.374	-24.1697	-22.0941	-23.25	-25.5663	-32.8672	-27.8415	-31.1593		
50	7.2183112	7.147498	6.657893	6.422987	6.113574	6.070093	5.951113	5.035058	3.919436	3.254247	1.512867	-0.61362	-0.34823	-1.95794	-6.4262	-6.22204	-7.34323	-13.9123	-12.3677	-12.2433	-20.0676	-19.2599	-18.9955	-22.6934	-23.4228	-20.877	-24.4698	-20.5631	-22.4322	-22.9577	-21.5278	-22.6202	-26.3763	-27.6198	-28.4415	-33.4283	
55	7.2183112	7.14607	6.623055	6.412955	6.089492	6.040191	6.013369	5.161914	3.967181	3.256451	1.757008	-0.60789	-0.32942	-1.963784	-6.28222	-7.01873	-14.0126	-12.9458	-12.3498	-18.9108	-21.5311	-24.9118	-22.3659	-23.6376	-19.7729	-22.5169	-22.5476	-21.7612	-23.3562	-25.5499	-24.8227	-28.1203	-34.794	-33.4283			
60	7.2183112	7.139346	6.582463	6.413607	6.067144	5.993954	6.044593	5.260962	4.031347	3.384186	2.118598	-0.101409	-0.52003	-2.5142	-6.86615	-6.36628	-6.67089	-13.9354	-13.6744	-13.3776	-19.0064	-20.289	-17.7452	-21.3723	-27.3195	-25.566	-21.6105	-20.0362	-22.5233	-23.3038	-22.3701	-24.3141	-23.2502	-23.4721	-27.1824	-33.7979	
65	7.2183112	7.128936	6.540774	6.432942	6.066296	5.928793	6.029233	5.315278	4.123834	3.60086	2.50729	0.616777	-0.72579	-1.97551	-7.97551	-6.28892	-7.1837	-14.1478	-14.3931	-13.3176	-19.7375	-16.9458	-23.3561	-25.994	-25.3328	-20.1634	-21.9135	-22.1426	-24.7854	-22.2601	-23.806	-21.2958	-23.2344	-25.9581	-31.4417		
70	7.2183112	7.116546	6.502768	6.479185	6.097196	5.856013	5.953108	5.287441	4.201499	3.842529	2.966724	1.171952	0.210495	-1.35345	-6.62969	-5.98983	-7.3551	-13.6899	-13.1267	-11.9151	-17.0685	-16.9282	-16.8169	-25.2733	-24.8031	-22.7042	-20.5017	-25.0422	-21.6532	-25.461	-21.4121	-22.6883	-20.2784	-23.9313	-24.6059	-29.1258	
75	7.2183112	7.1103897	6.472787	6.558129	6.176169	5.79983	5.820805	5.146946	4.168914	3.927036	3.07163	1.327904	0.520132	-1.13168	-4.72592	-5.40002	-6.93207	-13.0507	-11.8432	-10.7383	-18.0993	-15.845	-17.2867	-21.6433	-22.9968	-20.6621	-22.993	-25.0121	-22.2251	-24.3336	-21.0105	-22.3062	-20.1142	-25.1681	-23.2239	-27.1918	
80	7.2183112	7.092369	6.45419	6.670552	6.312793	5.788992	5.666274	4.91109	3.967278	3.713395	2.631957	0.640444	0.15617	-1.36943	-5.44488	-5.81733	-6.96088	-12.8497	-11.8105	-10.9844	-19.9243	-17.0118	-17.858	-19.5934	-21.4054	-19.7217	-27.1982	-23.2592	-25.3415	-22.463	-21.7633	-22.6966	-20.4985	-25.8037	-21.9173	-25.6262	
85	7.2183112	7.084605	6.448083	6.81091	6.503353	5.842205	5.543159	4.66246	3.670926	3.311101	1.906608	-0.63093	-0.879263	-2.02778	-6.22181	-6.46124	-7.13183	-13.8005	-12.8004	-12.2927	-21.9127	-20.864	-17.838	-18.8619	-21.1438	-20.693	-26.3261	-23.0726	-28.8993	-20.9099	-23.9631	-23.1163	-21.0943	-25.0433	-20.7802	-24.3651	
90	7.2183112	7.080033	6.457728	6.960881	6.729886	5.955758	5.491012	4.49984	3.441097	2.997802	1.533758	-1.26248	-1.87066	-2.85522	-6.6162	-7.4492	-8.22539	-14.5157	-13.668	-12.9832	-20.4228	-22.1228	-17.8129	-26.4893	-21.5171	-24.2211	-22.1637	-24.0812	-23.8848	-20.3562	-27.4356	-25.2763	-21.8529	-23.8357	-19.8683	-23.5536	
95	7.2183112	7.080869	6.479746	7.127916	6.965991	6.104331	5.503682	4.453505	3.494936	2.815775	1.583061	-0.78504	-1.84653	-2.79454	-8.07691	-9.00517	-10.4006	-14.435	-14.2927	-21.1171	-20.2504	-19.1152	-26.4288	-21.2139	-26.7395	-20.2597	-27.0496	-23.1979	-21.2703	-28.3677	-24.0801	-23.0178	-23.2963	-19.9006	-22.5505		
100	7.2183112	7.087424	6.51355	7.276447	7.185461	6.254873	5.551099	4.470455	3.529403	2.72737	1.553542	-0.34832	-1.45315	-3.4479	-8.7019	-9.7048	-10.7552	-16.0012	-16.2621	-14.4669	-20.277	-20.1663	-21.4008	-20.9908	-26.645	-22.5554	-21.0467	-22.8311	-21.3077	-23.6839	-25.3332	-26.567	-24.1376	-23.8108	-18.713	-21.9263	
105	7.2183112	7.098929	6.557324	7.402509	7.381875	6.380602	5.584727	4.476231	3.293815	2.530595	1.220253	-0.59351	-1.54038	-3.60994	-9.0744	-10.7574	-10.5794	-16.4612	-17.262	-16.6029	-20.777	-20.8908	-21.1175	-25.9359	-20.1808	-24.5566	-26.0338	-23.2068	-25.881	-23.2719	-29.2763	-23.1067	-25.5013	-18.3669	-21.4169		
110	7.2183112	7.117891	6.60932	7.499087	7.50581	6.470971	5.58605	4.420908	3.188493	2.334854	0.815828	-1.34879	-2.10384	-3.80172	-7.72239	-9.40913	-11.115	-17.0874	-17.4281	-16.1378	-19.7581	-22.1327	-19.0844	-22.1271	-22.8454	-20.7716	-26.4973	-22.4656	-26.5942	-25.8773	-22.9313	-25.9414	-20.4185	-28.0334	-18.0076	-21.1386	
115	7.2183112	7.141	6.669047	7.563418	7.59391	6.527424	5.55605	4.284642	2.995959	2.153319	0.656604	-1.86064	-2.85556	-4.24719	-7.17205	-10.4654	-10.8633	-13.8313	-16.4131	-15.4076	-19.7521	-19.669	-25.7611	-23.1331	-25.7686	-23.132	-22.623	-31.1141	-26.5426	-23.9215	-22.5433	-18.3372	-28.9551	-17.7463	-20.9527		
120	7.2183112	7.14818	6.732253	7.596234	7.635774	6.562	5.511272	4.08978	2.5594	1.836949	0.540348	-1.80289	-3.18701	-4.75868	-9.10969	-11.2807	-10.072	-15.0206	-19.9712	-16.875	-22.0072	-23.6067	-22.3391	-25.5407	-26.9764	-21.2793	-22.7197	-28.802	-30.026	-24.5563	-21.2622	-17.5993	-26.7518	-17.3865	-20.8988		
125	7.2183112	7.198144	6.800754	7.601024	7.636136	6.582931	5.480072	3.900389	2.044078	1.197246	0.030001	-1.19406	-3.48873	-5.44796	-10.1645	-10.7724	-11.0785	-19.0831	-20.5365	-18.1894	-24.3022	-25.3356	-27.9341	-23.8636	-24.7257	-29.4097	-21.8735	-23.5593	-26.3523	-33.7166	-23.0511	-21.7377	-18.0825	-24.3697	-17.0219	-20.9722	
130	7.2183112	7.222959	6.872196	7.582635	7.599778	6.606266	5.540418	3.832593	1.653971	0.435409	-0.02241	-1.35108	-4.3377	-6.4082	-10.7995	-11.748	-12.485	-26.8085	-23.5541	-23.577	-25.3585	-27.1322	-23.0706	-26.3454	-27.4499	-20.3183	-21.4401	-23.4412	-20.3681	-22.7634	-26.7331	-21.1911	-20.6902				
135	7.2183112	7.2601																																			

Raw data – ANT7 (6.995GHz)

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	7.6879662	6.802911	6.350956	6.745373	5.861749	4.525529	4.885834	2.909662	-0.01437	-0.22037	-4.46772	-1.56763	-7.73018	-4.94766	-8.87129	-15.1658	-11.2146	-15.6934	-22.8649	-19.7621	-20.1276	-26.4488	-26.8208	-26.8247	-26.7234	-26.6048	-26.3004	-26.1704	-25.9983	-25.8237	-25.5977	-25.8636	-26.0213	-27.7886			
5	7.6879662	6.907978	6.440236	6.761197	6.00519	4.790423	5.026824	3.265353	0.583692	2.055922	-0.04088	-3.48119	-3.30978	-7.08548	-9.26301	-13.5104	-10.9469	-15.2603	-20.6992	-17.7843	-22.3679	-20.6488	-26.3208	-26.3260	-26.3470	-26.4379	-21.0334	-24.8538	-26.5256	-23.1019	-26.2576	-27.8428	-27.4386	-27.7089			
10	7.6879662	7.012111	6.5359	6.762421	6.094569	5.039866	5.157153	3.569397	1.279986	2.505158	0.702603	-2.92425	-4.09726	-2.83264	-7.5824	-9.9883	-8.81866	-14.5981	-18.4852	-17.066	-22.6899	-24.2912	-22.9002	-26.9999	-23.5602	-22.2876	-32.8501	-24.4219	-26.5305	-26.9375	-33.0006	-29.5389	-26.0488	-27.3663			
15	7.6879662	7.11362	6.633147	6.749523	6.126756	5.252828	5.29098	3.842676	1.953936	2.954615	1.274753	-0.29439	-0.72119	-1.21753	-8.0065	-9.9839	-9.25543	-19.2349	-24.7466	-25.1553	-22.8815	-24.139	-31.1092	-27.7466	-25.3471	-31.11	-25.164	-29.8225	-29.6479	-29.0902	-26.092	-27.6097					
20	7.6879662	7.208956	6.725936	6.724517	6.107143	5.419192	5.444659	4.126248	2.517057	3.042348	1.543652	-2.22995	-1.1062	-3.66474	-10.5663	-9.93901	-10.5205	-21.3353	-25.0675	-26.4026	-24.662	-31.142	-27.9758	-28.3929	-25.2037	-22.6269	-25.7182	-26.2923	-30.7627	-28.0209	-29.6715	-22.887	-27.7333	-28.1716	-28.7188	-26.3718	
25	7.6879662	7.297623	6.789708	6.689708	6.050891	5.440483	5.622597	4.400098	2.983438	3.89176	1.602136	-1.04101	-1.05518	-3.80459	-16.0235	-16.8586	-16.9866	-22.1602	-26.7702	-25.0949	-27.1252	-20.7029	-26.8729	-28.3541	-22.4456	-30.2162	-26.5466	-29.2116	-29.2208	-25.9371	-21.5595	-26.8171	-26.4405	-28.0883	-26.5784		
30	7.6879662	7.377661	6.873722	6.648182	5.980612	5.642676	5.81022	4.741913	3.329576	3.453444	1.617752	-1.78037	-0.35986	-2.43164	-7.23948	-5.53314	-7.43646	-14.296	-11.0111	-14.776	-20.8599	-15.7481	-19.3295	-30.3604	-26.6669	-22.2274	-26.6685	-26.1398	-26.2869	-29.2322	-23.6421	-21.4753	-24.7401	-25.1702	-27.4808	-25.328	
35	7.6879662	7.448017	6.919105	6.6039	5.921303	5.735758	5.985411	4.969694	3.473093	3.95904	1.669928	-1.20626	-0.40349	-2.82166	-10.0495	-8.8406	-10.3043	-14.0187	-20.6937	-17.0018	-29.3429	-24.4617	-34.5261	-25.9866	-24.6205	-26.3758	-22.5182	-22.6977	-25.4635	-24.562	-26.9671	-26.4379	-27.9851	-25.3289			
40	7.6879662	7.508133	6.941965	6.561398	5.894423	5.843442	6.142374	5.105095	3.434704	3.227237	1.7408	-0.71985	-0.639979	-0.85955	-5.80187	-4.22621	-6.25435	-15.8369	-11.9375	-13.0491	-22.2623	-17.482	-18.3624	-25.2045	-27.1057	-23.56	-24.6394	-24.9871	-23.6892	-22.2914	-25.2522	-22.7249	-24.6553	-26.4555	-24.5023		
45	7.6879662	7.55797	6.942153	6.525259	5.912876	5.977799	6.288664	5.201246	3.365043	3.079194	1.857571	-0.32137	0.52482	-1.09465	-6.24344	-4.9474	-6.77104	-12.4662	-12.1761	-25.295	-18.4729	-18.6792	-26.5081	-25.9828	-23.1718	-24.1487	-25.2492	-26.8134	-22.0169	-22.9316	-28.8841	-22.8869	-25.347	-25.7793	-24.2059		
50	7.6879662	7.597995	6.921431	6.4996	5.978086	6.136872	6.428722	5.292309	3.393965	3.11163	2.07582	-0.02113	0.407346	-1.28658	-6.31872	-5.33635	-6.96262	-14.5853	-11.9174	-12.3325	-22.3248	-18.2244	-19.0151	-28.0778	-23.2786	-21.418	-23.7974	-25.2701	-27.3408	-21.5627	-24.7765	-22.1345	-24.2149	-26.159	-24.9162	-23.9946	
55	7.6879662	7.62914	6.883239	6.487758	6.079967	6.401534	6.556662	5.385779	3.544121	3.923221	2.42203	0.184167	0.380216	-1.43814	-6.4057	-5.05063	-6.42576	-14.4483	-10.9074	-12.5436	-26.1794	-24.1012	-26.1794	-25.2549	-22.1831	-27.9736	-22.7867	-26.7065	-26.1456	-24.9836	-23.9836	-23.8715	-25.3289				
60	7.6879662	7.652746	6.832405	6.492315	6.200309	6.44267	6.627714	5.488856	3.782927	3.839007	2.947859	0.44813	0.246736	-1.59151	-6.92227	-5.54175	-6.92055	-15.6339	-10.6625	-12.3419	-22.5892	-18.177	-18.073	-20.2396	-22.8767	-22.8512	-23.6994	-27.9487	-23.2227	-22.9835	-29.3723	-31.414	-28.7168	-25.0717	-23.1519	-23.8389	
65	7.6879662	7.670472	6.774786	6.515389	6.319048	6.531582	6.73596	5.613081	4.071191	4.29255	3.480399	0.771716	0.270551	-1.40001	-6.85914	-6.57063	-6.42576	-15.6441	-11.6925	-12.7602	-22.5823	-24.3099	-24.1251	-29.1635	-21.675	-22.9517	-27.4689	-29.2783	-28.7228	-23.8415	-22.5552	-23.7587	-25.898				
70	7.6879662	7.684195	6.716845	6.5589	6.421355	6.546606	6.758612	5.74273	4.352437	4.60565	3.81985	1.053281	0.371207	-1.04047	-6.0733	-5.59413	-6.4144	-15.1557	-12.8277	-12.6759	-20.0898	-16.4319	-17.3917	-31.836	-21.7489	-22.3821	-26.3562	-24.2636	-20.549	-22.6271	-26.9902	-26.7884	-23.9383	-23.1149	-22.7202	-24.0476	
75	7.6879662	7.695888	6.665138	6.62436	6.502722	6.480716	6.760255	5.822636	4.542273	4.678614	3.844433	1.287558	0.694242	-0.73044	-5.27478	-5.02287	-6.75638	-16.9512	-12.0642	-10.9642	-20.5405	-15.2513	-17.4304	-27.3794	-22.102	-20.305	-29.7167	-21.4749	-20.7394	-22.816	-28.8521	-24.1638	-22.0027	-23.9257	-22.3284	-24.2825	
80	7.6879662	7.707499	6.625756	6.711967	6.569731	6.346766	6.56377	5.793981	4.569204	4.487012	3.509559	1.274192	1.041862	-0.50681	-5.0677	-4.3329	-6.19365	-16.1911	-10.7563	-10.2139	-21.9609	-15.2345	-17.112	-23.6634	-20.6819	-19.6533	-30.8013	-22.0112	-22.6121	-23.1877	-31.5184	-21.9382	-20.7619	-23.5821	-22.725	-24.5904	
85	7.6879662	7.72081	6.603797	6.819356	6.637552	6.178143	6.346867	5.645032	4.338119	4.13718	2.941899	1.878349	0.749542	-0.65687	-5.51632	-4.69851	-5.3277	-14.7274	-10.2307	-10.8717	-22.9226	-16.8215	-16.3791	-23.3368	-19.1635	-21.7375	-27.0766	-25.1424	-23.7967	-23.0004	-20.9704	-20.6083	-20.4027	-24.5549	-23.4479	-24.9495	
90	7.6879662	7.737318	6.603014	6.940888	6.713236	6.020771	6.10679	5.425553	4.224483	3.828267	2.517288	-0.23314	-0.57764	-1.0087	-6.76991	-6.66881	-8.08173	-14.0208	-11.2872	-12.2258	-23.2296	-19.9265	-16.2372	-26.0242	-18.8996	-26.7722	-23.5111	-27.691	-22.6908	-22.752	-29.5485	-20.4301	-19.8415	-25.8256	-24.2108	-25.3231	
95	7.6879662	7.758113	6.625709	7.068248	6.806785	5.921784	5.903758	5.206992	3.797927	3.609216	2.437466	-0.69396	-0.20074	-0.86765	-8.75301	-7.92875	-8.80766	-13.7179	-13.0034	-12.9829	-24.3629	-19.7426	-18.1895	-27.7202	-21.2051	-24.8008	-22.4971	-25.8266	-22.6676	-22.3711	-28.8467	-21.5069	-20.4649	-27.2834	-24.8122	-26.0625	
100	7.6879662	7.783793	6.672863	7.192376	6.911232	5.867332	5.766044	5.027809	3.692907	3.04061	2.316518	-0.51199	-0.2477	-1.3566	-7.30941	-7.49291	-9.3847	-16.8854	-13.5671	-14.1425	-27.9363	-20.7757	-21.6179	-26.9373	-27.6552	-20.9413	-34.119	-23.4405	-24.3391	-21.4529	-28.1851	-23.6652	-22.1746	-28.3179	-24.7869	-25.9196	
105	7.6879662	7.814399	6.744361	7.305935	7.015523	5.871879	5.675237	4.876465	3.76569	2.856773	1.874298	-0.59731	-1.07666	-1.59068	-7.53906	-8.2409	-19.287	-16.541	-15.7652	-24.2008	-22.0058	-20.1212	-26.6925	-27.2289	-20.5058	-27.4698	-22.9237	-26.3294	-20.4956	-27.8279	-25.5531	-25.8017	-27.274	-20.7887	-26.0413		
110	7.6879662	7.849395	6.839132	7.405225	7.107649	5.903448	5.590878	4.706386	3.089112	2.510933	1.437684	-1.2089	-2.00267	-3.57271	-9.21463	-10.1058	-11.7075	-17.8338	-16.4323	-15.7577	-22.3925	-20.1001	-27.6094	-25.6386	-23.2555	-21.8257	-28.0876	-24.866	-27.4992	-20.1993	-27.9695	-25.3391	-27.4556	-24.4775	-22.8807	-26.0085	
115	7.6879662	7.887689	6.955102	7.490789	7.180988	5.944541	5.487618	4.465753	2.816655	2.465516	1.550368	-1.56309	-3.17922	-4.71271	-10.5599	-11.5898	-11.7188	-20.4025	-18.7486	-18.9829	-28.5975	-29.1466	-27.1485	-27.4805	-27.0379	-21.8071	-28.6807	-26.6259	-27.5742	-24.7285	-26.0221	-21.8988	-21.7539	-25.8339			
120	7.6879662	7.927692	7.088098	7.566468	7.233618	5.989612	5.378994	4.154305	2.466131	2.472886	1.940788	-1.03657	-3.39907	-4.78121	-10.0522	-11.0145	-11.4614	-17.7861	-17.5019	-14.8421	-21.3524	-23.1738	-19.8981	-24.4993	-21.8494	-27.2221	-22.9022	-28.6389	-23.3712	-21.7903	-26.3969	-25.4465	-24.6514	-19.9189	-20.8735	-25.5561	
125	7.6879662	7.967418	7.235904	7.637945	7.288256	6.024249	5.315177	3.875431	2.041168	2.216934	1.851028	-0.73395	-2.38256	-3.87846	-8.90069	-9.17899	-9.96478	-18.6886	-16.9622	-16.8981	-20.9884	-21.5716	-23.2278	-23.4356	-23.2864	-25.9785	-20.9904	-29.7408	-34.8376	-24.1895	-25.5945	-27.6513	-23.9305	-18.8503	-23.3113	-25.2233	
130	7.6879662	8.004607	7.289665	7.709384	7.289788	6.109186	5.351204	3.79698	1.270474	1.647338	1.029751	-1.37821	-1.18817	-3.70181	-8.28046	-8.28644	-9.65204	-21.3407	-16.9627	-17.8386	-21.7524	-24.2302	-24.4364	-24.2803	-24.4634	-25.9747	-22.4413	-20.9362	-25.1901	-27.428	-26.8084	-25.435	-28.3027	-24.4765	-24.7879	-25.1562	-24.8779
135	7.6879662	8.036874	7.542459	7.782477	7.302769	6.192007	5.507233																														

Raw data – ANT7 (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	7.4770695	6.626781	6.307181	6.702968	5.706660	4.412347	4.886692	2.835036	-0.00256	1.734611	-0.73786	-0.63952	-1.33999	-3.61648	-7.37283	-45.1523	-90.1998	-135.067	-10.1607	-14.5345	-20.0379	-17.9116	-18.371	-25.3922	-25.8597	-25.252	-25.9246	-19.8787	-32.7948	-18.3557	-28.3735	-24.7296	-24.9513	-27.3274		
5	7.4770695	6.73121	6.373305	6.675431	5.810357	4.672311	5.070712	3.293584	0.729982	2.203066	0.150755	-3.11262	-0.49517	-2.80392	-6.98882	-4.39722	-7.9312	-12.7312	-10.0016	-13.9733	-19.2562	-16.9548	-20.3744	-28.6497	-23.0023	-23.4888	-27.1152	-20.6035	-33.2327	-20.184	-23.9747	-26.0309	-30.1357	-27.1994	-26.1145	-27.8426
10	7.4770695	6.834055	6.442417	6.622146	5.847747	4.912486	5.261046	3.577713	1.578708	2.745569	0.904929	-2.47402	-0.43676	-2.78988	-7.84879	-4.85659	-7.99655	-15.4586	-11.4207	-14.2084	-18.3818	-25.3776	-28.1839	-23.9598	-22.2473	-28.4018	-22.7827	-28.3059	-28.9575	-29.3835	-30.6306	-26.9924	-26.9924	-28.3699		
15	7.4770695	6.933232	6.511844	6.590379	5.821065	5.101581	5.430313	4.154678	2.344237	3.231484	1.438487	-2.40174	-0.72175	-3.33275	-9.46139	-5.92216	-9.3521	-19.5623	-14.1081	-15.9085	-22.1052	-18.7447	-22.7473	-24.4843	-22.7357	-24.17	-21.8744	-24.2821	-24.948	-22.8135	-33.8206	-29.2115	-27.7644	-24.2687	-27.2763	-26.8169
20	7.4770695	7.027789	6.577499	6.468027	5.74586	5.235557	5.571135	4.455293	2.8674	3.448694	1.58115	-2.4838	-0.93769	-3.7099	-10.4003	-6.2588	-9.0436	-15.7588	-14.0346	-16.1082	-24.9266	-19.3225	-21.8819	-28.2859	-24.7349	-20.9372	-23.1301	-27.9946	-23.9752	-22.148	-29.6466	-26.334	-26.8683	-24.2936	-27.0189	-27.5675
25	7.4770695	7.113021	6.634671	6.385785	5.649823	5.335617	5.705646	4.699621	3.230151	3.512671	1.526618	-2.2998	-0.5727	-3.04861	-7.96595	-4.90386	-8.52003	-15.0141	-11.3927	-16.2301	-23.1918	-16.3976	-18.4636	-24.383	-25.0339	-21.5826	-26.5599	-28.2288	-25.1372	-23.3396	-26.4492	-24.4372	-26.6624	-31.5605	-26.5475	-28.5218
30	7.4770695	7.190574	6.678859	6.310103	5.561477	5.428905	5.847233	4.980664	3.486654	3.598891	1.665493	-1.491932	-0.43676	-2.78988	-7.84879	-4.85659	-7.99655	-15.4586	-11.4207	-14.2084	-18.3818	-25.3776	-28.1839	-23.9598	-22.2473	-28.4018	-22.7827	-28.3059	-28.9575	-29.3835	-30.6306	-26.9924	-26.9924	-28.3699		
35	7.4770695	7.258523	6.708456	6.28315	5.531086	5.540339	5.983952	5.018414	3.544454	3.633204	2.020896	-0.30789	-0.46569	-2.72714	-5.2123	-3.68884	-5.38732	-13.2378	-9.66021	-12.2281	-20.3318	-16.7346	-18.7953	-26.576	-26.5485	-24.5949	-23.4865	-26.363	-27.0305	-28.0857	-24.2242	-26.1661	-25.6533	-28.2036	-25.7463	-27.7381
40	7.4770695	7.316428	6.715181	6.205089	5.539087	5.682214	6.102563	5.047319	3.424981	3.566099	2.372721	0.378515	1.531766	0.15905	-5.48831	-3.98421	-5.82009	-15.641	-10.8408	-12.9487	-25.1807	-17.3902	-18.9922	-26.4915	-28.1634	-25.4226	-25.0323	-27.87	-26.5987	-26.6726	-24.489	-30.669	-26.866	-27.8377	-25.3497	-27.2011
45	7.4770695	7.364537	6.704278	6.182726	5.629585	5.866854	6.212066	5.047758	3.235438	5.258233	2.676701	0.733187	1.896803	0.72332	-0.19497	-7.7529	-6.66368	-13.2899	-10.9235	-12.1948	-25.3652	-18.182	-24.249	-23.7706	-28.8984	-27.063	-24.6371	-25.8412	-24.8835	-24.38	-27.9579	-24.7652	-26.6453	-26.453		
50	7.4770695	7.402878	6.674552	6.181003	5.788824	6.09719	6.337335	5.081915	3.375783	3.660108	2.930721	0.890407	0.894484	4.97529	-5.99002	-4.66726	-6.61787	-12.9089	-10.1801	-12.2481	-29.1915	-17.5213	-17.7625	-22.8558	-22.0295	-22.3194	-28.2679	-33.7559	-27.2402	-24.3121	-28.8945	-20.4256	-25.3379	-27.7589	-23.9361	-26.0983
55	7.4770695	7.433032	6.628344	6.197329	5.997017	6.358038	6.494041	5.163458	3.526319	3.883592	3.089204	0.684959	0.818045	-1.15554	-6.90004	-5.81836	-6.85899	-12.8689	-10.1614	-12.2372	-33.9941	-16.9359	-16.9359	-22.0351	-21.3674	-19.985	-25.9805	-26.5696	-27.5486	-26.1432	-31.6714	-28.0017	-28.147	-26.4481	-22.9633	-25.5875
60	7.4770695	7.456274	6.596479	6.227541	6.22114	6.611465	6.699247	5.272723	3.678128	4.085942	3.231124	0.590005	0.439676	-1.35487	-6.40749	-4.95255	-6.53897	-13.9391	-10.0453	-11.6824	-23.0095	-17.0115	-16.763	-23.9087	-20.8254	-23.2147	-23.3442	-33.9031	-28.92	-27.0214	-28.1582	-28.1907	-32.4604	-24.4899	-22.0224	-25.1338
65	7.4770695	7.474387	6.503177	6.267395	6.423489	6.804844	6.821623	5.409678	3.836094	4.277811	3.439525	0.647456	0.438897	-1.24364	-6.87298	-5.37932	-6.12789	-14.7836	-10.9898	-12.17	-22.8335	-17.1517	-16.6923	-25.6852	-20.7764	-24.341	-22.7327	-27.1893	-28.1547	-24.5344	-25.9011	-29.9845	-29.9007	-22.7661	-21.2609	-24.7524
70	7.4770695	7.489381	6.435859	6.314284	6.573304	6.888844	6.898293	5.538625	4.033328	4.46392	3.650651	0.786853	0.412501	-1.08272	-6.42668	-5.45172	-6.19707	-14.4128	-12.2802	-13.0186	-26.0958	-15.7534	-16.5643	-28.5809	-22.162	-22.5343	-25.3436	-22.8143	-25.9013	-23.2037	-26.688	-29.3515	-25.3757	-21.6574	-20.7683	-24.4529
75	7.4770695	7.503369	6.37477	6.368336	6.655287	6.830223	6.85801	5.622126	4.224403	4.545845	3.76576	1.09641	0.672444	-0.77629	-5.23314	-4.58922	-6.65685	-14.3545	-11.3582	-11.3582	-26.5952	-15.4535	-17.7085	-31.9635	-19.9721	-20.1797	-32.4049	-21.5313	-25.7495	-23.5699	-29.9571	-25.9483	-22.7928	-21.2464	-20.5886	-24.2392
80	7.4770695	7.518425	6.327401	6.432136	6.675726	6.653964	6.691804	5.626333	4.342254	4.423813	3.518922	1.331227	1.381899	-0.14562	-5.45126	-6.32649	-5.85033	-16.6212	-11.3928	-10.3786	-23.392	-16.8105	-18.805	-28.795	-26.0316	-19.9901	-31.5779	-23.4266	-26.9726	-24.4392	-30.3353	-23.7633	-21.5234	-21.5532	-20.7382	-24.1093
85	7.4770695	7.536436	6.300767	6.590073	6.657227	6.384251	6.431194	5.556728	4.397002	4.288263	2.977422	0.975092	0.584	0.055452	-5.1827	-5.96259	-5.75546	-10.0482	-10.1688	-10.5379	-22.6286	-16.397	-18.615	-27.347	-17.7473	-22.0306	-26.905	-28.3662	-25.8291	-24.7692	-27.5646	-23.2752	-21.1104	-22.6496	-21.2107	-20.4055
90	7.4770695	7.558961	6.300706	6.601184	6.630212	6.091248	6.133987	5.438884	4.426677	4.000695	2.48652	-0.11348	-0.23415	-1.17414	-5.95359	-5.66709	-7.017758	-15.854	-11.1756	-11.9791	-27.7136	-16.8286	-15.9675	-24.3415	-16.5676	-26.0522	-25.7953	-26.4534	-24.2017	-24.4069	-26.4025	-24.0175	-21.37	-24.7665	-21.965	-24.0021
95	7.4770695	7.587091	6.331357	6.707826	6.620864	8.36613	5.852184	5.271304	4.371529	5.956272	2.431509	-0.77703	-0.18426	-2.299675	-6.7401	-6.79208	-3.83413	-13.1109	-12.5646	-12.1088	-18.2677	-18.1854	-26.1208	-18.2677	-18.7097	-27.0526	-22.0448	-24.5507	-23.1385	-26.3049	-24.7727	-22.4191	-28.4045	-22.886	-20.1403	
100	7.4770695	7.621348	6.394888	6.825959	6.643909	5.657698	6.085938	5.02513	4.10559	3.811427	2.564675	-0.3138	-1.15941	-2.80282	-6.98774	-6.11847	-8.29631	-17.8851	-13.5308	-14.087	-32.2076	-21.2516	-21.0289	-28.9043	-22.6329	-22.5919	-27.488	-20.2014	-26.9344	-21.5679	-26.2658	-24.3324	-24.7139	-32.1712	-23.7307	-24.7149
105	7.4770695	7.661168	6.491442	6.95168	6.69763	5.62801	5.402153	4.693568	3.602828	3.181489	2.453557	-0.1019	-0.7033	-2.15305	-6.7201	-6.50468	-8.28629	-17.0824	-14.6306	-15.6278	-28.0965	-20.3829	-28.452	-24.2933	-21.0289	-27.9848	-20.5664	-31.506	-20.6265	-26.1451	-23.5734	-28.8438	-28.0336	-24.1647	-24.2788	
110	7.4770695	7.707125	6.619167	7.081879	6.776823	5.541396	5.228114	4.315419	3.009766	3.012945	2.197287	-0.10257	-1.25456	-3.59758	-9.1074	-8.06573	-10.2624	-22.1217	-15.6549	-14.9635	-22.6459	-17.9782	-18.6709	-28.1786	-22.169	-22.5748	-28.5141	-22.2898	-36.0908	-20.5904	-26.1792	-23.6187	-30.4004	-23.4133	-24.0281	-24.2512
115	7.4770695	7.756644	6.744224	7.214978	6.869863	5.57656	5.092911	3.905074	2.515833	2.852049	2.341255	-1.57746	-0.68298	-3.5684	-12.4761	-9.38292	-10.9822	-15.0555	-14.9665	-17.6737	-17.603	-18.1619	-26.941	-22.0487	-24.6932	-27.3448	-23.7174	-34.1285	-21.2472	-26.2006	-24.7618	-25.9183	-20.5375	-23.5318	-24.2225	
120	7.4770695	7.80768	6.958002	7.350468	6.966941	5.65292	5.021514	3.673776	2.189288	2.872214	2.699903	-0.80149	-0.71238	-6.69397	-10.4818	-8.8482	-9.63042	-17.2535	-13.6769	-13.2465	-20.6888	-22.0808	-20.449	-33.4621	-21.1995	-27.6054	-24.4026	-25.3864	-31.1481	-22.0936	-25.9771	-26.9903	-23.2096	-18.917	-23.0284	-24.1374
125	7.4770695	7.858384	7.14124	7.487628	7.09553	5.759883	5.053486	3.60053	2.021922	2.746333	2.620303	-0.70923	-1.79477	-7.73307	-12.74723	-9.94887	-10.7733	-16.2077	-12.7771	-14.2451	-17.5591	-22.3472	-20.347	-23.201	-20.9489	-25.5598	-20.5043	-25.1593	-27.2524	-22.6709	-25.8438	-29.5981	-22.6528	-18.2768	-22.7618	-24.1034
130	7.4770695	7.909591	7.33639	7.624149	7.142508	5.889875	5.216488	3.831877	2.016033	2.169137	1.624746	-0.52274	-0.80828	-2.09967	-6.54622	-6.91901	-7.79515	-18.9399	-13.8443	-15.4776	-18.1646	-20.4063	-22.7598	-22.105	-24.2025	-22.1114	-19.3377	-22.7516	-24.8449	-22.363	-26.1392	-28.5533	-24.10			

Raw data – ANT8 (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	7.8403899	7.775378	7.722091	7.282792	6.429652	5.996612	5.510004	4.137599	2.95671	2.75574	1.383316	-0.91823	-1.08986	-3.0016	-6.17611	-7.08007	-7.82817	-12.028	-14.4062	-13.1268	-16.9651	-23.7604	-23.5161	-20.1649	-21.8659	-24.578	-31.6483	-30.3834	-26.364	-25.0482	-31.6147	-28.2674	-34.1787	-26.802	-26.0931	-28.2891
5	7.8403899	7.770448	7.660424	7.200156	6.439703	5.973862	5.487698	4.13407	2.844104	2.408481	1.124489	-0.92184	-1.05211	-3.0178	-6.19108	-6.83284	-7.51108	-11.8823	-14.3145	-13.0874	-16.9157	-23.7245	-23.7874	-21.2115	-20.7875	-24.5854	-31.6731	-30.3854	-26.5463	-25.0486	-31.6309	-28.5629	-34.7821	-26.6034	-27.2227	
10	7.8403899	7.758629	7.587363	7.127725	6.475974	6.026884	5.436084	4.026511	2.602052	1.93802	0.651437	-1.44878	-2.40687	-3.9701	-6.06968	-10.3858	-10.5092	-13.4767	-17.779	-16.7718	-17.7079	-20.0887	-21.1768	-23.7851	-28.061	-32.6816	-32.5942	-24.2605	-29.92	-26.6988	-25.5716	-29.313	-24.9657	-24.99	-26.5198	
15	7.8403899	7.737552	7.506464	7.067965	6.530184	6.080377	5.357945	3.866202	2.340621	1.486374	-0.50208	-1.68028	-3.18321	-4.12068	-6.18321	-9.12674	-14.7252	-14.3484	-18.0377	-23.5989	-20.0682	-23.3387	-25.208	-29.2315	-26.6544	-28.3918	-33.7331	-30.2984	-25.7917	-25.3985	-27.0234	-24.3651	-24.3997	-25.7378		
20	7.8403899	7.700299	7.421282	7.020758	6.589946	6.116862	5.261243	3.71241	2.160028	1.176505	-0.4424	-3.25699	-5.532	-8.19185	-14.3268	-17.7311	-18.8871	-23.071	-23.5789	-23.1103	-31.0213	-26.9452	-24.6049	-34.6127	-26.3625	-30.4727	-27.1298	-27.8877	-22.5756	-27.7688	-26.6855	-25.6906	-25.1091	-23.9668	-23.9321	-24.9416
25	7.8403899	7.675701	7.335903	6.98307	6.637818	6.112872	5.155349	3.614428	2.124225	1.08291	-0.61702	-3.49216	-5.8706	-8.09467	-12.532	-17.0527	-15.9564	-24.0081	-28.5034	-25.4613	-30.4686	-26.9825	-26.806	-30.3781	-29.1993	-33.0927	-26.5165	-28.8822	-25.8374	-23.8765	-23.7723	-23.7723	-23.6491	-24.5111		
30	7.8403899	7.63928	7.25071	6.953378	6.664488	6.086519	5.044457	3.587676	2.23006	1.199496	-0.41954	-2.99733	-4.94943	-6.57407	-9.52082	-11.9827	-13.8402	-19.6936	-23.0343	-20.2623	-31.2182	-28.4253	-25.2475	-29.5234	-28.6344	-31.0756	-30.0151	-28.6495	-25.0691	-26.8601	-31.5263	-25.672	-23.4762	-23.7802	-23.5942	-24.7309
35	7.8403899	7.600391	7.170365	6.925259	6.662381	6.070433	4.932368	3.606789	2.429297	1.437039	-0.02801	-2.08973	-3.75758	-6.68428	-10.5811	-13.7585	-18.0088	-23.0626	-23.2141	-29.0172	-27.3442	-28.5356	-24.1423	-28.5437	-28.1069	-28.1204	-33.2438	-25.6245	-23.9976	-23.951	-23.8086	-24.394				
40	7.8403899	7.560376	7.095708	6.895625	6.627267	5.886121	4.781155	3.619887	2.617627	1.634535	0.243367	-1.48602	-2.98768	-4.50085	-7.05811	-10.1233	-11.9224	-13.474	-17.8719	-20.3284	-21.838	-25.6221	-27.8276	-25.7435	-26.9006	-26.8153	-30.8668	-27.3404	-30.1876	-29.2872	-32.691	-25.8915	-25.5159	-24.1864	-24.3437	-23.802
45	7.8403899	7.520515	7.027869	6.861686	6.560199	5.728179	4.609332	3.568848	2.6712	1.62741	0.187869	-1.45468	-3.06653	-4.94284	-7.82437	-10.2956	-12.9035	-15.492	-19.7064	-21.4345	-20.298	-22.938	-30.1107	-30.8156	-30.227	-29.1985	-25.6615	-25.2806	-30.3087	-30.1727	-30.0712	-26.0614	-27.9766	-24.3569	-25.2757	-23.7371
50	7.8403899	7.481994	6.967599	6.822142	6.464984	5.422421	4.406195	3.164777	2.510425	1.319172	-0.28947	-2.1101	-4.04757	-6.64757	-10.507	-13.9309	-15.7195	-20.1274	-27.9671	-28.5094	-25.4377	-27.9139	-29.1646	-30.6348	-31.0413	-31.4266	-23.387	-24.5344	-30.6554	-31.7026	-27.4451	-25.735	-30.4828	-24.3858	-26.7279	-23.7213
55	7.8403899	7.445877	6.915427	6.777502	6.348353	5.340082	4.183656	3.177453	2.162582	0.741356	-1.14222	-3.22106	-4.93152	-7.14902	-13.8502	-14.8867	-19.5257	-22.1105	-22.5062	-26.0814	-24.8911	-21.2901	-29.2212	-32.3264	-24.8193	-30.135	-33.7079	-25.8319	-25.3399	-30.8542	-24.3098	-28.9144	-24.2723	-23.7273		
60	7.8403899	7.413088	6.871803	6.730227	6.220386	5.139081	3.975475	2.935028	1.788107	0.148116	-1.91462	-3.79031	-5.0084	-6.68602	-8.95458	-9.84976	-10.703	-13.817	-15.4177	-16.169	-19.7361	-21.0327	-18.7114	-22.3654	-31.0195	-30.1028	-22.5824	-25.9504	-28.623	-33.9492	-25.3388	-25.5349	-29.6802	-24.2308	-32.1908	-23.7262
65	7.8403899	7.384398	6.837187	6.684615	6.094835	4.964572	3.383851	2.821759	1.624311	-0.06721	-1.98369	-3.28481	-5.11268	-7.168	-12.5586	-13.7339	-17.9278	-14.3141	-17.5668	-22.2477	-20.9197	-24.0072	-27.1098	-30.2301	-24.1463	-28.5654	-28.2444	-33.1521	-25.7581	-26.4665	-28.8561	-24.2172	-26.3995	-23.6916		
70	7.8403899	7.360417	6.812069	6.646302	5.98817	4.846671	3.831492	2.948732	1.822211	0.230749	-1.46903	-2.66695	-3.38822	-4.92025	-7.32009	-8.78405	-9.9229	-12.9337	-15.9184	-16.4752	-19.0886	-23.73	-23.2987	-26.3468	-25.912	-29.2707	-26.6049	-33.5724	-29.6847	-33.617	-26.594	-27.4272	-28.7102	-24.2569	-35.8975	-23.6488
75	7.8403899	7.341598	6.796894	6.621344	5.916713	4.80951	3.977852	3.319286	2.327628	0.815858	-0.87369	-2.4614	-3.79196	-5.77935	-8.53123	-10.5304	-12.0479	-15.4077	-18.8392	-18.7221	-19.0451	-21.8798	-22.6568	-24.8393	-25.7544	-27.7609	-27.6448	-34.2723	-32.132	-35.9761	-27.232	-27.2551	-28.9979	-24.2847	-31.5084	-23.6508
80	7.8403899	7.328233	6.791942	6.615038	5.802675	4.859485	4.241895	3.820369	2.957068	1.439759	-0.41111	-2.38844	-2.88992	-4.54458	-6.25753	-11.4065	-13.4021	-16.1533	-18.6487	-17.3658	-17.2204	-21.052	-24.676	-26.2226	-27.3012	-27.4987	-27.0237	-29.6258	-31.3899	-38.8371	-27.652	-26.3632	-29.3274	-24.253	-28.2285	-23.2593
85	7.8403899	7.320469	6.797171	6.630777	5.921026	4.982714	4.550936	4.303801	3.534985	2.001326	-0.05551	-2.13091	-4.0164	-6.17485	-8.70808	-10.8466	-12.2788	-15.4421	-17.2648	-16.8487	-18.2558	-24.0333	-26.2325	-25.6459	-25.1654	-27.7179	-28.1388	-27.1707	-27.999	-35.2267	-28.4209	-25.8032	-28.9977	-24.2923	-26.0291	-23.0225
90	7.8403899	7.318309	6.812092	6.692026	5.98786	5.153624	4.837253	4.665264	3.954572	2.477048	0.511488	-1.39019	-2.74927	-3.05171	-5.86167	-9.43277	-11.0515	-13.929	-16.76	-16.4597	-19.7104	-24.0879	-25.0036	-32.3171	-22.0262	-26.4882	-31.5554	-25.0118	-25.1168	-30.221	-28.3972	-25.5631	-27.3166	-24.1994	-24.5768	-22.7693
95	7.8403899	7.321631	6.835961	6.728316	6.116672	5.346532	5.063576	4.871709	4.191326	2.870626	1.169831	-0.43808	-2.9254	-3.82621	-6.1068	-8.34567	-10.8114	-13.4724	-15.879	-15.8082	-19.8193	-20.8659	-22.6934	-22.1082	-27.5888	-34.0928	-24.4325	-23.122	-26.842	-27.3852	-24.8733	-24.8201	-24.3969	-23.6733	-22.7029	
100	7.8403899	7.330201	6.86645	6.803198	6.260788	5.542328	5.224929	4.94945	4.292479	3.198742	1.837039	0.570489	-0.65158	-2.75574	-5.74308	-7.47673	-8.83798	-12.2486	-14.6277	-15.1383	-17.1817	-19.954	-22.7304	-20.9614	-25.0181	-34.6411	-29.2	-30.3267	-22.1028	-24.707	-25.8861	-23.5077	-22.5131	-24.9036	-23.196	-22.2248
105	7.8403899	7.343691	6.902432	6.887408	6.201788	5.529481	5.334901	4.952712	4.331995	3.841337	2.388179	1.146678	-0.75826	-2.03514	-4.75426	-6.2226	-7.48526	-11.3426	-14.2628	-14.2578	-16.005	-20.998	-22.7741	-21.1071	-25.2122	-30.6298	-24.204	-19.234	-22.1956	-23.4097	-24.8978	-22.1986	-20.8566	-25.8367	-23.0545	-22.194
110	7.8403899	7.361697	6.941448	6.973594	6.578052	5.901085	5.415456	4.933108	4.363152	3.735753	2.851382	1.14776	-3.43153	-5.19273	-7.00959	-10.1034	-12.82	-12.9557	-15.1197	-20.0204	-20.724	-20.111	-22.7351	-25.5599	-21.3891	-24.3804	-23.5985	-22.8709	-24.703	-23.101	-21.556	-19.9647	-27.3104	-23.165	-21.9567	
115	7.8403899	7.387261	6.981249	7.064449	6.722907	6.050271	5.481798	4.937314	4.397479	3.933307	3.201879	1.943396	0.39448	-1.31355	-3.32472	-5.33842	-6.98957	-9.2508	-11.4939	-12.2656	-14.3288	-18.3301	-19.3129	-21.7351	-23.9854	-23.4705	-25.3202	-21.8206	-19.8534	-23.4705	-25.3202	-21.8206	-19.8534	-23.4705	-25.3202	
120	7.8403899	7.409384	7.019735	7.12341	6.848336	6.179319	5.545668	4.93581	4.400801	3.969092	3.221088	1.803545	0.00054	-1.92823	-4.20167	-6.13359	-7.28002	-9.37446	-11.8741	-12.6001	-14.2471	-18.0673	-18.6126	-18.293	-20.8172	-22.1127	-20.1947	-22.1753	-29.8954	-26.0525	-26.6301	-24.906	-20.5217	-31.2838	-23.772	-21.8088
125	7.8403899	7.439046	7.055136	7.175101	6.944973	6.278011	5.605738	4.967274	4.383017	3.813526	2.897133	1.351532	-0.84148	-2.41725	-5.55642	-5.89883	-6.36354	-8.59332	-12.5329	-12.6556	-14.1574	-18.6706	-19.0999	-18.8415	-21.2174	-22.8456	-21.8881	-24.7737	-27.5755	-31.7465	-27.7612	-25.0649	-21.9487	-31.2639	-24.0854	-21.8401
130	7.8403899	7.472291	7.086164	7.205503	7.010345	6.347017	5.656875	5.016901	4.35872	3.619474	2.607717	1.266272	-1.74921	-3.8048	-5.10376	-6.4021	-8.3048	-10.7851	-12.9423	-22.9279	-24.9764	-22.223	-25.9279	-24.9851	-29.4689	-23.5016	-30.5154	-27.4233	-26.613	-24.0045	-29.3092	-24.3389	-21.8989			
135	7.8403899	7.502334	7.11212	7.211941	7.043198	6.387513	5.693192	5.0783																												

Raw data – ANT8 (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	6.936298	6.915749	6.662345	6.055329	5.004949	4.679216	4.858204	3.337137	1.244178	0.949188	-0.922	-4.64521	-3.93897	-5.42082	-10.9247	-9.14232	-10.2684	-19.466	-16.8109	-18.117	-21.0294	-25.4854	-20.121	-23.9953	-26.4098	-28.6891	-20.8994	-23.9021	-28.0993	-23.5558	-24.4966	-21.3298	-28.6166	-24.7819	-22.418	-25.7897	
5	6.936298	6.858961	6.496991	5.833197	4.969419	4.782329	4.793191	3.275449	1.282291	0.768828	-1.02177	-4.50534	-4.59076	-6.31395	-11.9076	-10.8486	-11.6152	-19.7364	-20.0385	-19.5946	-20.1267	-25.9778	-23.1921	-23.9243	-27.1699	-29.4579	-21.635	-23.1665	-26.9993	-25.613	-28.1766	-21.9218	-29.4639	-24.2036	-22.0821	-25.7639	
10	6.936298	6.795856	6.341455	5.67049	4.91055	4.91005	4.753845	3.25494	1.444414	0.839957	-0.95315	-4.26142	-4.99302	-6.96653	-11.4976	-10.2684	-13.0111	-20.0738	-20.8836	-19.9934	-20.5814	-26.7151	-26.0499	-26.5374	-31.0766	-26.3329	-24.1778	-24.6899	-29.9031	-24.7117	-33.1369	-22.7492	-30.8727	-23.8777	-21.8954	-25.8085	
15	6.936298	6.729021	6.200644	5.563839	5.067198	5.022644	4.716348	3.270452	1.675175	1.103692	-0.74493	-4.0834	-5.12947	-7.34906	-12.9802	-12.7283	-14.3008	-21.6698	-19.4876	-20.1133	-22.4414	-24.0027	-26.4054	-26.6264	-30.0432	-24.2754	-27.1691	-25.6167	-26.0813	-23.441	-28.6043	-22.888	-30.5718	-23.9055	-21.8851	-25.845	
20	6.936298	6.659357	6.076594	5.503033	5.138234	5.078539	4.654842	3.272923	1.831955	1.104968	-0.47403	-4.07407	-4.1056	-6.31155	-7.35666	-12.2892	-12.7643	-14.5549	-22.6091	-18.027	-19.4928	-23.5425	-25.0882	-27.4705	-25.5251	-27.601	-24.9791	-25.9819	-22.418	-27.9604	-24.2469	-22.9221	-25.9189	-21.8545	-25.8484		
25	6.936298	6.589287	5.970704	5.47544	5.188968	5.054836	4.514809	3.203121	1.777294	0.856145	-1.08427	-4.41631	-5.6646	-7.24574	-12.1267	-12.3654	-14.0089	-21.4187	-17.7748	-18.6665	-21.3147	-24.0027	-26.9101	-26.3228	-31.2223	-23.981	-26.9101	-25.5087	-25.1994	-31.2466	-29.3799	-25.3931	-22.1612	-25.5553	-24.7796	-22.3701	-25.8288
30	6.936298	6.519645	5.882563	5.470004	5.209243	4.957594	4.323899	3.03168	1.666167	0.218855	-1.70105	-4.95333	-6.31673	-7.68033	-12.2861	-13.3535	-14.4452	-21.7081	-20.1459	-21.5483	-23.5966	-26.4726	-23.6339	-25.1344	-24.412	-27.406	-26.8777	-27.5137	-28.617	-29.2397	-25.5123	-23.5231	-24.1332	-25.3082	-22.7863	-25.8167	
35	6.936298	6.451955	5.811469	5.479624	5.203388	4.809888	4.098029	2.761624	0.945773	-0.68929	-2.7515	-5.80259	-7.75239	-9.55791	-15.6567	-18.6549	-18.1548	-24.2046	-26.5996	-30.3333	-23.5192	-25.8888	-25.7913	-26.8436	-22.2005	-25.4692	-27.8656	-33.2998	-26.0298	-26.9253	-26.3096	-23.5116	-23.6531	-25.5818	-23.219	-25.648	
40	6.936298	6.387418	5.756681	5.501646	5.185811	4.655184	3.865548	2.420944	0.335899	-1.64299	-3.78533	-6.92326	-9.93487	-12.5419	-17.9006	-22.9822	-24.8742	-21.3784	-20.4997	-25.508	-25.9929	-25.7321	-24.1011	-27.0881	-19.9191	-27.4483	-27.0537	-33.772	-25.0309	-27.1358	-28.3396	-24.8915	-24.0111	-25.4023	-23.57	-25.354	
45	6.936298	6.327084	5.717599	5.536883	5.174499	4.523651	3.65006	2.079894	-0.15005	-2.26143	-4.49208	-7.5666	-10.713	-13.7585	-15.6834	-16.0974	-18.8488	-18.3999	-17.2131	-20.2616	-24.3879	-23.441	-21.1255	-20.2023	-18.9207	-34.874	-25.057	-32.1269	-25.5456	-27.7213	-30.1999	-26.2267	-25.1453	-24.7803	-23.7542	-24.9325	
50	6.936298	6.271839	5.693718	5.587853	5.185373	4.434833	3.477841	1.857462	-0.21669	-2.07629	-2.1538	-6.96473	-10.982	-11.0834	-13.5748	-14.056	-16.8496	-18.7402	-19.7526	-23.0732	-25.5419	-20.087	-20.1784	-21.6265	-19.4238	-28.9501	-21.7869	-25.8085	-27.3053	-26.1456	-28.7239	-27.3408	-27.0008	-23.924	-23.7378	-24.0028	
55	6.936298	6.222411	5.684427	5.656925	5.229223	4.399188	3.38081	1.85273	0.208805	-1.16181	-3.00499	-5.43915	-6.94673	-6.86893	-11.5191	-12.9346	-15.6532	-21.9047	-24.4412	-21.8928	-21.9227	-19.3419	-20.9675	-22.8921	-19.808	-24.6436	-21.4344	-22.2213	-28.6005	-24.1611	-26.9671	-28.7713	-29.3682	-23.0685	-23.5523	-23.7988	
60	6.936298	6.179364	5.688781	5.744879	5.310918	4.422407	3.381101	2.051058	0.855974	-0.14427	-1.70228	-3.61992	-4.60892	-6.13334	-6.6505	-10.1466	-11.8666	-15.8002	-18.0509	-16.4375	-18.5126	-20.7551	-21.6803	-20.4924	-19.3602	-21.6334	-23.847	-20.4508	-28.4769	-23.0339	-26.452	-30.8288	-31.237	-22.3708	-23.2724	-23.1589	
65	6.936298	6.143103	5.705328	5.858108	5.429544	4.504728	3.473892	2.337769	1.390178	0.494548	-0.91965	-2.3498	-3.00442	-4.12663	-6.41506	-8.32455	-9.5653	-12.3471	-14.5603	-14.6655	-18.1578	-23.4296	-21.0609	-19.1238	-21.0539	-21.5807	-25.076	-18.841	-27.7163	-22.4099	-25.8412	-31.1895	-31.2788	-21.9143	-22.9813	-22.518	
70	6.936298	6.113881	5.732071	5.968504	5.578697	4.637509	3.628234	2.59909	1.643813	0.608277	-0.73366	-1.76734	-2.33143	-3.53141	-5.80931	-7.96935	-9.58837	-12.4406	-15.1478	-15.7015	-19.7423	-25.1816	-25.5781	-20.6526	-24.5563	-21.8405	-22.5922	-17.945	-27.0113	-21.5366	-24.0035	-28.7584	-30.4132	-21.7478	-22.7521	-21.9031	
75	6.936298	6.091817	5.766569	6.093925	5.747219	4.802342	3.801927	2.786154	1.66201	0.371071	-0.77338	-1.2827	-1.97804	-3.78265	-6.42227	-8.57223	-10.6527	-14.1827	-17.697	-18.9931	-21.6715	-22.028	-20.4896	-23.7819	-22.9596	-19.4816	-21.4011	-18.8278	-26.095	-20.4473	-22.3188	-27.0211	-30.0557	-21.9231	-22.6451	-21.3326	
80	6.936298	6.076912	5.80615	6.219072	5.920953	4.975022	3.965634	2.908685	1.651221	0.231229	-0.57717	-0.61057	-1.43636	-3.91751	-7.06526	-9.58513	-11.4727	-16.0008	-17.942	-19.3671	-23.0292	-20.5564	-23.1292	-19.9988	-19.0723	-23.5805	-21.3587	-23.7694	-19.8899	-21.974	-26.9522	-30.3889	-22.5303	-22.7129	-20.8178		
85	6.936298	6.069071	5.848196	6.336585	6.085522	5.132939	4.066824	2.998636	1.820176	0.582397	-0.40404	-0.60431	-1.01929	-3.76775	-7.21884	-8.88222	-10.9806	-15.4398	-16.4709	-16.7231	-22.7666	-22.3696	-21.2214	-21.3318	-23.201	-21.1666	-29.5409	-22.0025	-21.6232	-20.2775	-23.2857	-27.594	-30.422	-23.7463	-23.0047	-20.364	
90	6.936298	6.068123	5.890417	6.440102	6.229356	5.26283	4.130776	3.08444	2.2051	1.365988	0.658121	0.113738	-1.14442	-3.7951	-6.96786	-8.6094	-10.4885	-14.2406	-15.2396	-15.4575	-23.2575	-20.5484	-22.7208	-23.2413	-23.7029	-28.0761	-20.8339	-21.187	-21.2819	-25.7464	-26.0981	-28.999	-25.9488	-23.5693	-23.9972		
95	6.936298	6.078843	5.931086	6.525088	6.345834	5.365614	4.173471	3.189221	2.674605	2.21137	1.338918	0.071418	-1.6849	-4.12231	-6.799	-8.13543	-9.75227	-13.0409	-13.988	-15.3912	-20.2633	-22.4996	-21.6313	-23.3163	-25.1788	-27.9859	-25.7167	-21.3841	-22.2724	-21.8805	-26.6879	-23.1731	-26.9601	-30.1397	-24.4549	-19.6936	
100	6.936298	6.089654	5.969172	6.589263	6.435761	5.455177	4.243665	3.338988	3.079874	2.819187	1.809183	0.04525	-1.87135	-4.01285	-6.54985	-8.21191	-9.76895	-12.9045	-14.46	-16.616	-20.6465	-23.9981	-22.0169	-23.1815	-26.0806	-36.9249	-24.0149	-22.4829	-22.0552	-25.8637	-21.1568	-22.3382	-40.0008	-25.7073	-19.3609		
105	6.936298	6.104185	6.004373	6.632601	6.496	5.549808	4.390444	3.557683	3.348306	3.084995	1.980289	0.09697	-1.62467	-3.51754	-6.57646	-8.53089	-11.1691	-14.3732	-18.4748	-18.7123	-20.5415	-22.2303	-22.682	-26.526	-28.3939	-26.3952	-21.9532	-22.4043	-23.4257	-23.1484	-26.1336	-30.7389	-24.1882	-32.6367	-27.3615	-19.1285	
110	6.936298	6.128178	6.037032	6.656957	6.577003	5.660044	4.630485	3.858388	3.492467	3.09135	1.859812	0.117294	-1.48005	-3.50818	-7.38893	-9.1516	-15.1016	-19.396	-16.4845	-18.0943	-20.4435	-21.6313	-21.4587	-22.6889	-20.8604	-23.7116	-25.388	-28.0827	-27.0187	-20.463	-23.1411	-25.7982	-29.4194	-18.9344			
115	6.936298	6.157578	6.08797	6.665457	6.560975	5.730175	4.933121	4.215978	3.610438	3.485437	1.862799	0.021591	-1.34678	-3.58923	-7.05764	-8.23691	-9.22861	-13.4191	-15.8392	-13.4338	-15.9923	-19.9825	-19.2137	-18.7931	-24.617	-20.2813	-20.7604	-29.428	-29.2761	-29.8936	-25.1856	-20.6423	-21.984	-22.126	-31.8072	-18.7698	
120	6.936298	6.191983	6.088264	6.661823	6.570172	5.890925	5.234202	4.597215	3.811458	2.774037	1.38602	-0.00865	-1.79959	-3.12405	-5.67995	-6.44047	-7.68684	-11.7136	-13.426	-12.9678	-15.6235	-19.8819	-17.8617	-18.7686	-25.1056	-19.4026	-22.26	-40.607	-28.6185	-29.6385	-22.1758	-20.2472	-20.9363	-19.9198	-34.342	-18.6223	
125	6.936298	6.230041	6.129009	6.649738	6.565889	5.97986	5.4635	4.904109	4.074082	2.99042	1.797006	0.032469	-0.64686	-2.29962	-7.4881	-6.03302	-7.40321	-11.7327	-12.5225	-12.5225	-14.7332	-19.7823	-18.8737	-20.5495	-26.3165	-20.9965	-24.218	-27.7048	-26.5129	-26.3016	-20.2233	-19.5702	-20.9671	-18.6643	-36.8143	-18.496	
130	6.936298	6.272349	6.161111	6.632366	6.599123	6.020629	5.572395	5.044147	4.263302	3.315519	2.143041	0.092806	-0.06415	-1.78226	-4.686	-6.88824	-7.68275	-11.3427	-13.6653	-13.6576	-17.0402	-20.711	-18.9302	-18.7561	-25.0139	-22.9533	-22.0989	-24.1386	-25.6367	-23.3074	-19.442	-19.2543	-20.5155	-18.1			

Raw data – ANT8 (6.425GHz)

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	6.9972912	6.760975	6.741427	6.680956	6.174849	6.115104	6.245872	4.800856	2.241014	2.378655	0.437786	-3.34931	-2.15478	-3.87349	-9.97285	-7.80077	-9.16893	-8.52	-14.0638	-15.4416	-23.2566	-33.8151	-24.5024	-22.6955	-24.8287	-23.8915	-34.8287	-30.0483	-24.5289	-24.3759	-24.8072	-29.3323	-22.6955	-27.1188	-23.7923	-25.7981	-37.1285
5	6.9972912	6.765425	6.67195	6.541006	6.167202	6.126273	6.036677	5.251846	2.009761	1.940517	1.336677	-3.43003	-2.93167	-4.80383	-11.1269	-10.1908	-10.2417	-9.8468	-17.6654	-18.5859	-26.284	-39.001	-22.2509	-26.5879	-28.5758	-32.555	-23.032	-26.6648	-24.403	-28.1445	-22.2091	-28.4401	-22.9853	-25.9933	-35.9502		
10	6.9972912	6.754188	6.603234	6.444211	6.163498	6.097033	5.791913	4.012684	1.972708	1.6353	-1.15541	-3.4444	-3.30954	-5.25435	-11.2667	-10.137	-12.1798	-23.8169	-25.2948	-27.6802	-34.782	-32.8238	-36.0287	-24.0608	-28.7082	-32.2608	-25.5762	-24.8314	-31.6168	-22.7321	-26.9937	-34.1571					
15	6.9972912	6.736191	6.538222	6.377128	6.158714	6.036249	5.551938	3.822639	1.989657	1.533083	-0.23276	-3.26878	-3.29512	-5.13972	-10.9907	-9.8558	-13.1167	-27.2327	-29.7914	-37.9203	-43.839	-39.5549	-29.9494	-25.9616	-28.5182	-32.9441	-41.7703	-24.5276	-26.8987	-24.0437	-23.6463	-21.7593	-34.4058	-22.9487	-28.8555	-32.1211	
20	6.9972912	6.712456	6.47825	6.333828	6.145529	5.948222	5.338443	3.694368	2.042756	1.517293	-0.1494	-2.85945	-3.01416	-4.70201	-9.72405	-8.29039	-12.1706	-24.0299	-26.8368	-36.2131	-40.4338	-39.2539	-29.9268	-26.6818	-29.9365	-33.4571	-32.1235	-25.9752	-28.888	-22.482	-22.4185	-30.0403	-23.5593	-32.2653	-30.1243		
25	6.9972912	6.684066	6.423423	6.305889	6.116279	5.832452	5.152673	3.61039	2.004635	1.342743	-0.25411	-2.66565	-2.84787	-4.30467	-8.95874	-8.89131	-11.2781	-19.085	-16.6611	-35.1441	-23.6569	-22.5688	-23.7741	-21.1036	-27.6241	-29.0758	-28.0021	-21.8723	-25.6457	-23.4523	-21.7931	-24.2297	-25.717	-24.726	-32.6283	-28.2971	
30	6.9972912	6.652136	6.373182	6.285355	6.066687	5.690249	4.986232	3.546379	1.90568	0.919709	-0.73582	-3.02699	-3.27196	-4.55415	-8.83116	-8.45819	-11.5652	-17.3827	-18.6438	-28.5174	-28.6578	-26.4578	-26.3306	-24.458	-22.085	-26.1813	-26.2461	-21.8051	-27.1236	-23.0299	-25.7	-25.27	-26.127	-26.6809			
35	6.9972912	6.617806	6.32686	6.269972	5.998855	5.531391	4.834069	3.48071	1.722085	0.344847	-1.50163	-3.92056	-4.51308	-5.73073	-10.0377	-11.2842	-12.1587	-18.6085	-18.385	-27.3737	-33.9215	-25.9281	-26.8189	-22.8295	-28.28	-28.5623	-32.045	-22.9969	-28.7162	-23.3135	-22.8109	-27.8365	-21.5761	-26.1987	-27.7443	-25.2789	
40	6.9972912	6.582221	6.284036	6.249081	5.921405	5.374813	4.702634	3.40616	1.50671	-0.27047	-2.41902	-5.09093	-6.03655	-7.47765	-12.4457	-14.1193	-13.9322	-19.9837	-22.0332	-29.0748	-34.267	-25.6002	-23.8606	-26.5325	-26.3827	-29.4231	-23.1984	-30.6059	-21.9958	-24.5275	-24.9602	-21.1714	-25.9615	-24.3643	-24.0804		
45	6.9972912	6.546531	6.245032	6.233185	5.846528	5.241662	4.607288	3.347012	1.335353	-0.74712	-3.14778	-5.76601	-6.67318	-8.17075	-12.0598	-13.603	-13.791	-19.0462	-18.3063	-21.6584	-22.9041	-23.979	-23.9385	-23.5483	-24.8783	-26.1435	-28.4897	-23.9744	-28.5769	-21.3828	-25.9467	-22.7959	-21.7946	-24.7679	-22.0429	-23.0708	
50	6.9972912	6.511877	6.210277	6.222658	5.785722	5.145281	4.55949	3.35233	1.359939	-0.73256	-3.04166	-5.18924	-6.89034	-8.30919	-11.3144	-11.7901	-16.0462	-18.1939	-22.0784	-21.3822	-25.0759	-22.5744	-23.5498	-21.7511	-26.5568	-25.1915	-23.6009	-25.1978	-21.8405	-26.3063	-22.0777	-23.4695	-23.2895	-20.4629	-22.235		
55	6.9972912	6.479579	6.180737	6.22127	5.746815	5.086359	4.554602	3.449889	1.660789	-0.12948	-2.11839	-4.07843	-4.94332	-6.33421	-8.75285	-10.1094	-11.3554	-17.1192	-22.0646	-22.1968	-20.1052	-24.5667	-22.4578	-24.916	-20.4636	-27.115	-21.8278	-21.3531	-22.3934	-23.8933	-25.1186	-22.4668	-25.8368	-22.0964	-19.3829	-21.5587	
60	6.9972912	6.450121	6.157372	6.23204	5.733728	5.057579	4.572854	3.608714	1.26347	0.730486	-0.94544	-2.96123	-4.24033	-6.28289	-9.05568	-10.6555	-12.4571	-19.7929	-22.6949	-20.6977	-19.7982	-26.7009	-22.4879	-24.9472	-25.7265	-21.0102	-20.594	-21.2393	-27.6731	-22.6936	-23.3234	-26.8378	-21.4607	-18.7586	-21.0288		
65	6.9972912	6.425136	6.14099	6.256613	5.748192	5.053674	4.594917	3.760747	2.561209	1.498019	0.041985	-2.06471	-3.90042	-6.21275	-9.9141	-11.9723	-13.1852	-18.7244	-19.6392	-19.1755	-20.9059	-26.6315	-21.2289	-20.3077	-19.5308	-26.0801	-22.2508	-20.9776	-21.3273	-28.6761	-20.5413	-23.7871	-25.1888	-21.5258	-18.4992	-20.6331	
70	6.9972912	6.405381	6.132128	6.295064	5.791239	5.078643	4.621204	3.857823	2.819296	1.96944	0.65622	-1.56175	-3.5871	-5.70949	-9.22717	-11.0242	-11.6257	-16.1751	-17.5328	-18.4341	-22.351	-26.0919	-20.6803	-21.4204	-21.6132	-27.4107	-22.5442	-20.5939	-21.6519	-24.8913	-19.3444	-23.5092	-23.323	-22.437	-18.5477	-20.3606	
75	6.9972912	6.391721	6.131043	6.345986	5.862897	5.144496	4.680044	3.917375	2.869388	2.080383	0.931611	-1.16038	-3.20511	-5.07258	-8.02541	-9.75996	-10.6615	-15.8603	-18.5257	-18.348	-22.8272	-24.9247	-22.2342	-27.9471	-24.5704	-23.689	-20.4826	-20.4941	-22.2895	-22.5247	-19.0546	-22.9157	-22.2965	-24.4482	-18.8491	-20.201	
80	6.9972912	6.384904	6.137804	6.406772	5.906448	5.261596	4.813483	4.025105	2.830509	1.933337	0.963622	-0.72559	-2.56726	-4.39199	-7.30573	-10.0263	-11.6785	-16.9631	-21.4936	-19.2706	-23.2672	-24.8494	-24.7072	-27.6945	-26.7393	-22.22	-20.1069	-22.9417	-23.9937	-21.8624	-19.3164	-22.5168	-22.0679	-28.1348	-19.3455	-20.1451	
85	6.9972912	6.385537	6.152443	6.474134	6.077033	5.246804	5.043642	4.275493	2.920915	1.781652	0.849241	-0.5514	-2.37418	-4.55749	-7.6862	-10.6672	-12.5706	-16.5444	-21.1004	-19.1431	-23.3433	-23.6664	-25.0752	-25.8418	-29.2269	-23.3262	-22.8192	-28.1214	-25.6771	-21.962	-19.6076	-22.7263	-22.3677	-35.0249	-19.9795	-20.1845	
90	6.9972912	6.394068	6.175112	6.544872	6.023812	5.618473	5.344122	4.682864	3.202204	1.897198	0.74297	-0.47978	-2.84616	-4.69725	-8.95283	-10.8926	-12.4297	-16.4374	-20.9686	-16.8649	-21.8426	-24.4136	-23.3236	-22.598	-28.5084	-24.2644	-27.561	-24.9854	-25.6691	-21.3587	-19.6382	-23.9332	-22.7688	-27.5891	-20.706	-20.3118	
95	6.9972912	6.410753	6.20618	6.616723	6.259912	5.803126	5.64282	5.14616	3.889393	2.38982	0.902548	-0.95274	-3.2675	-5.99559	-8.53991	-9.39539	-10.5064	-14.373	-15.2285	-15.0339	-19.6108	-20.3179	-20.6901	-21.8165	-28.5382	-24.5	-39.168	-21.8212	-25.7309	-19.7905	-19.7278	-26.1927	-22.7484	-31.3244	-20.307	-20.5198	
100	6.9972912	6.435642	6.246225	6.689	6.440787	5.950368	5.855745	5.280102	4.445272	3.052916	1.040106	-0.69728	-2.76772	-4.76289	-7.94059	-8.6005	-9.07433	-14.5874	-15.9494	-15.0171	-19.4164	-20.1605	-22.061	-21.4865	-26.3687	-27.6728	-27.4185	-28.9609	-25.3542	-18.4414	-20.4403	-27.1062	-22.1174	-28.7688	-23.3085	-20.602	
105	6.9972912	6.468553	6.295886	6.762058	6.546721	6.047833	5.929932	5.614053	4.712439	3.495907	1.894657	-0.17584	-1.80771	-3.4003	-6.0515	-7.83718	-8.5471	-12.2288	-15.4196	-15.2344	-18.2848	-26.3301	-21.942	-22.1592	-22.6222	-21.9619	-21.502	-20.4926	-23.8996	-17.9921	-22.1845	-24.3021	-21.2141	-28.1785	-23.304	-21.152	
110	6.9972912	6.52906	6.355608	6.839262	6.649789	6.108394	5.873886	5.460065	4.697896	3.52591	2.07284	-0.189134	-1.25109	-2.97348	-6.09661	-8.09833	-8.76222	-12.8287	-15.4977	-14.3523	-17.3672	-23.5579	-19.2974	-22.9282	-22.7117	-21.2313	-18.534	-20.3884	-23.2596	-18.5111	-25.1418	-21.5228	-20.4186	-28.9778	-24.154	-21.5632	
115	6.9972912	6.55649	6.425324	6.92152	6.75874	6.146432	5.799752	5.16989	4.248445	3.314063	2.05433	0.388739	-0.07837	-2.90209	-5.90415	-6.66972	-7.47166	-11.8726	-14.538	-13.136	-15.506	-20.1449	-16.5338	-19.3773	-26.4671	-20.4828	-17.6632	-21.6791	-22.7134	-19.745	-28.4037	-19.9796	-19.8539	-26.9081	-24.6509	-22.029	
120	6.9972912	6.60993	6.504187	7.00823	6.879192	6.250829	5.696802	4.916966	3.98016	3.210218	2.134288	0.553317	-0.85731	-2.7513	-5.43994	-6.19313	-7.20792	-12.1503	-14.3022	-12.1472	-17.9139	-19.0193	-15.0675	-19.2321	-30.9298	-19.4892	-18.75	-25.8358	-23.6699	-21.367	-27.9052	-19.4058	-19.4639	-24.1611	-25.346	-22.543	
125	6.9972912	6.668255	6.590421	7.06996	7.008662	6.381538	5.719239	4.869785	3.999192	3.382125	2.371499	0.777904	-0.56904	-2.41231	-5.38818	-6.47499	-7.17451	-12.993	-18.6345	-16.7475	-24.2537	-19.3747	-21.187	-19.5476	-18.7676	-23.1582	-24.1988	-23.1541	-24.2975	-19.397	-19.1874	-21.5105	-23.847	-23.0996			
130	6.9972912	6.730159	6.681386	7.182406	7.135733	6.541343	5.846287	5.001686	4.24555	3.709968	2.588979	0.810749	-0.64675	-2.29582	-5.33929	-6.33046	-6.51624	-10.2639	-11.9679	-12.0848	-16.995	-20.2744	-16.6331	-19.5606	-24.5434	-20.5599	-18.5839	-23.6986	-27.6405	-24.1073	-21.5559	-19.6284	-19.0704	-19.5793	-22.9852	-23.6946	
135	6.9972912																																				

Raw data – ANT8 (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	7.1029241	6.799116	6.797258	6.727162	6.142869	5.981653	6.121577	4.466537	2.417635	0.639577	-3.30604	-2.08771	-3.97482	-10.539	-8.00428	-9.57519	-19.9653	-14.0723	-15.4883	-23.4513	-27.4216	-26.4669	-24.8868	-24.7832	-34.1602	-28.3695	-26.6797	-26.1936	-28.5325	-31.3348	-24.8802	-26.2977	-24.123	-26.2334	-27.148		
5	7.1029241	6.787091	6.717426	6.588848	6.130802	6.011753	5.947808	4.2691	2.269946	2.00636	0.253943	-3.53393	-2.9628	-5.04797	-11.5309	-9.16823	-10.6669	-21.1442	-17.1134	-20.7789	-27.8411	-23.956	-22.068	-22.7511	-25.9397	-27.0414	-28.7303	-24.5969	-27.2979	-27.7001	-29.3167	-24.6268	-27.7979	-22.9963	-25.8338	-26.6765	
10	7.1029241	6.771569	6.638095	6.485487	6.134421	6.018577	5.759943	4.088849	2.10774	1.908686	-0.06968	-3.54405	-3.34091	-5.36674	-11.5309	-9.40111	-11.3991	-22.9947	-19.1127	-26.0885	-20.1439	-22.068	-20.1439	-23.0144	-25.9397	-27.0414	-28.7303	-24.5969	-27.2979	-27.7001	-29.3167	-24.6268	-27.7979	-22.9963	-25.8338	-26.6765	
15	7.1029241	6.746444	6.562227	6.416761	6.149634	6.000281	5.593586	3.956487	2.248053	1.807805	-0.11537	-3.23713	-3.19033	-4.89783	-9.9702	-8.70712	-11.0197	-23.0204	-18.5908	-16.6667	-22.1859	-19.3299	-22.1567	-25.4913	-26.4021	-27.5752	-33.0041	-25.0783	-24.8338	-25.831	-23.8399	-23.358	-30.9094	-22.2702	-26.2028	-25.5422	
20	7.1029241	6.715404	6.491118	6.377111	6.16915	5.985058	5.463113	3.905732	2.313118	1.780305	-0.03211	-2.67562	-2.70029	-4.05981	-8.36118	-7.99602	-11.0699	-22.0542	-17.9302	-15.1266	-22.1949	-19.2103	-21.9845	-22.6622	-26.4021	-24.1534	-31.5037	-24.5365	-29.9724	-31.3095	-22.0896	-23.4915	-27.8364	-22.3287	-26.4386	-24.9588	
25	7.1029241	6.679067	6.424757	6.357876	6.138302	5.939911	5.356133	3.881085	2.306093	1.611173	-0.03138	-2.35673	-2.39400	-3.56022	-7.65529	-7.77131	-10.1798	-17.954	-16.7103	-14.8373	-22.1966	-21.7855	-21.8001	-21.0706	-24.8996	-28.6426	-28.4538	-23.8911	-23.8432	-35.6575	-20.6038	-24.6792	-24.5983	-22.5098	-26.077	-27.4173	
30	7.1029241	6.620481	6.362383	6.350065	6.186384	5.885556	5.249125	3.844606	2.184447	1.192524	-0.47516	-2.66613	-2.77911	-3.74297	-8.1168	-8.99476	-10.6597	-16.7326	-15.9136	-13.5131	-22.1247	-28.6626	-25.9927	-22.6733	-25.1838	-28.5174	-30.4571	-24.1098	-24.4483	-26.4053	-19.7407	-26.702	-22.3646	-22.7214	-24.9152	-24.6622	
35	7.1029241	6.59871	6.303072	6.346679	6.175119	5.774997	5.130023	3.769115	1.966368	0.592002	-1.27116	-3.63438	-4.0768	-5.06896	-9.2047	-10.6412	-11.4536	-17.98	-18.7808	-17.7441	-30.051	-25.957	-29.3962	-24.7079	-26.1304	-25.5388	-37.3074	-24.1311	-26.5046	-22.9811	-19.7432	-27.2545	-21.0718	-22.8662	-23.315	-22.7714	
40	7.1029241	6.556228	6.246205	6.343874	6.154451	5.674552	5.009973	3.667209	1.718819	-0.033042	-2.21009	-4.90025	-5.71191	-7.02642	-12.0345	-14.0631	-13.3549	-22.3882	-21.455	-22.7383	-26.843	-22.3684	-27.2146	-24.6631	-27.334	-23.5431	-32.3002	-23.3325	-29.5246	-21.3461	-20.5162	-24.9774	-20.6599	-22.8344	-21.7247	-22.1261	
45	7.1029241	6.514209	6.191747	6.340865	6.132982	5.587956	4.915294	3.587479	1.554883	-0.43438	-2.79025	-5.40047	-6.25656	-7.93858	-12.5075	-14.7491	-14.3082	-19.209	-19.6703	-22.228	-22.173	-21.6848	-26.4753	-24.2645	-25.1604	-23.1657	-33.1778	-23.3194	-29.8082	-20.6356	-21.8081	-22.832	-21.619	-22.5604	-20.3781	-21.5494	
50	7.1029241	6.47406	6.140317	6.339	6.120062	5.532144	4.86747	3.583328	1.63045	-0.32103	-2.49057	-4.52636	-5.38844	-7.23463	-10.9737	-12.4427	-14.2406	-17.136	-20.5809	-22.7726	-22.774	-25.0412	-24.5455	-21.7352	-23.8042	-28.7791	-22.8579	-25.4485	-20.9573	-23.2087	-21.8655	-22.675	-22.1101	-19.3511	-21.0556		
55	7.1029241	6.437197	6.093106	6.340578	6.122961	5.514681	4.869821	3.673662	1.932382	0.302069	-1.54495	-3.35788	-4.34283	-6.19658	-9.1736	-11.0822	-11.9577	-16.6577	-22.6457	-23.2385	-20.2412	-24.5054	-24.3367	-25.773	-19.7799	-24.8306	-23.9629	-21.4721	-21.8987	-22.5838	-23.4694	-21.9771	-25.1574	-21.6824	-18.6533	-20.6531	
60	7.1029241	6.405021	6.051713	6.347874	6.145646	5.534994	4.910812	3.82781	2.388127	1.097368	-0.52733	-2.41107	-3.89513	-6.24824	-9.34863	-11.1573	-11.3183	-18.5299	-24.3329	-24.3361	-20.0194	-23.3521	-20.0094	-20.2011	-25.6556	-21.8565	-22.889	-27.1538	-21.5179	-28.2699	-20.3459	-20.3459	-20.3459	-20.3459	-20.3459		
65	7.1029241	6.378884	6.017969	6.362559	6.18895	5.580465	4.977132	3.989114	2.805959	1.782368	-0.258678	-1.79684	-3.53586	-6.253	-10.3945	-11.8997	-13.1736	-19.0578	-19.0519	-20.1728	-22.0689	-28.1291	-21.1955	-20.3889	-18.2556	-25.1673	-22.8093	-20.9161	-19.6322	-28.2385	-20.06	-24.2271	-25.7693	-21.8349	-18.1749	-20.1341	
70	7.1029241	6.360045	5.993786	6.385498	6.251167	5.675247	5.065491	4.115322	3.067726	2.228056	0.745968	-1.59523	-3.40639	-5.62696	-9.43813	-10.476	-10.9617	-15.8264	-16.3045	-18.1959	-23.9848	-24.2288	-19.7895	-21.3837	-20.1324	-28.3077	-22.7237	-19.896	-19.5258	-26.3535	-19.1854	-25.2334	-23.1705	-22.8395	-18.3327	-20.0154	
75	7.1029241	6.349626	5.981054	6.416834	6.328391	5.78998	5.186538	4.211096	3.14699	2.399604	1.028378	-1.39234	-3.28128	-5.02182	-8.16196	-9.31709	-9.9625	-15.4523	-16.813	-17.5609	-23.8679	-24.1057	-20.7589	-27.0393	-22.6479	-25.8248	-20.6632	-19.2747	-20.0209	-24.275	-19.3014	-24.7308	-21.3338	-24.7883	-18.6953	-19.9852	
80	7.1029241	6.34856	5.981573	6.456242	6.414639	5.927938	5.36454	4.333513	3.131796	2.377635	1.216413	-0.02029	-2.78828	-4.57321	-7.93927	-10.5415	-11.6991	-18.1229	-20.894	-19.4287	-24.9475	-25.4032	-22.8304	-31.1828	-24.1802	-23.9892	-19.9195	-20.4521	-21.5235	-23.8176	-19.9403	-23.0786	-20.4057	-28.0951	-19.2018	-20.0378	
85	7.1029241	6.357546	5.996988	6.503338	6.502472	6.075828	5.776564	4.552423	3.188219	2.3977	1.37335	-0.43033	-2.4655	-4.76954	-8.53306	-12.0195	-13.2896	-18.2616	-23.6646	-20.489	-26.038	-24.013	-23.2163	-27.8643	-27.1075	-24.1294	-21.6713	-23.3621	-23.7096	-24.3005	-20.2656	-21.8115	-20.2843	-33.1941	-19.7865	-20.1659	
90	7.1029241	6.369968	6.028706	6.558208	6.584666	6.212479	5.822212	4.883805	3.439729	2.417203	1.462778	-0.29668	-2.68463	-4.62545	-8.55245	-11.5705	-12.4248	-18.1639	-20.7659	-19.0387	-20.9692	-22.9885	-25.5257	-24.6487	-26.0761	-23.8361	-19.9874	-21.7461	-20.8774	-35.4908	-20.3956	-20.3612	-20.3612	-20.3612	-20.3612		
95	7.1029241	6.407018	6.07775	6.621889	6.6568	6.31459	6.033982	5.254561	3.868062	2.660047	1.486964	-0.45791	-2.93945	-4.54451	-8.00486	-10.4347	-10.97018	-13.3515	-14.5827	-14.2574	-18.9559	-19.4389	-22.5487	-28.5487	-28.3961	-29.9627	-22.0156	-20.1651	-23.5239	-28.9626	-21.6189	-19.7675	-23.2277	-21.9848	-32.063	-21.0028	-20.3134
100	7.1029241	6.447361	6.144556	6.695975	6.719645	6.366624	6.151408	5.533163	4.302704	3.025012	1.994419	-0.56919	-2.7662	-4.38153	-7.94857	-10.8654	-11.9521	-13.703	-17.0693	-18.7657	-22.3326	-21.4887	-22.6617	-25.5	-22.2913	-31.4286	-22.8947	-28.0548	-19.4251	-20.1812	-20.6617	-23.0002	-30.438	-21.5977	-20.1038		
105	7.1029241	6.491347	6.228731	6.782497	6.779804	6.370046	6.139211	5.607077	4.526469	3.297671	1.776153	-0.37724	-2.11044	-3.53304	-6.2222	-8.22685	-8.95979	-11.6324	-14.5265	-14.951	-19.498	-26.9768	-21.5208	-22.3048	-22.8314	-22.3111	-23.5538	-21.0557	-34.4412	-18.2608	-21.382	-26.7806	-23.0102	-31.2491	-22.1374	-21.2394	
110	7.1029241	6.555515	6.328837	6.882471	6.847492	6.346372	6.012738	5.458721	4.577161	3.315296	1.851728	-0.0933	-1.58511	-3.34613	-6.78607	-8.45396	-8.3354	-11.6259	-15.2265	-15.9454	-19.821	-25.2209	-19.4864	-21.0786	-22.9617	-21.7714	-19.2182	-21.0699	-18.2042	-23.3299	-24.0339	-22.0423	-34.4189	-22.4846	-21.5837		
115	7.1029241	6.622755	6.442263	6.99459	6.931667	6.329083	5.839793	5.100653	4.23337	3.21334	1.87524	0.164057	-1.19875	-3.14142	-6.29731	-7.11543	-7.65306	-12.2011	-15.5531	-13.8101	-18.869	-21.2848	-18.8036	-19.5919	-26.7412	-20.2134	-17.46	-21.8681	-23.1076	-18.9454	-25.8274	-22.8065	-20.0144	-33.9452	-22.4257	-21.9279	
120	7.1029241	6.692524	6.565278	7.114291	7.034459	6.351551	5.70357	4.963014	4.0936	3.238635	1.977332	0.38591	-0.84072	-2.4658	-5.43469	-6.3311	-7.37289	-12.6389	-15.1925	-12.5205	-14.5838	-19.2454	-15.0074	-19.2223	-20.8873	-18.5102	-17.5978	-23.7797	-22.8533	-20.0089	-27.0315	-1.3874	-20.035	-26.7998	-21.8522	-22.558	
125	7.1029241	6.774714	6.693256	7.23377	7.147862	6.420588	5.661735	4.884729	4.157403	3.452899	1.97889	0.485027	-0.66744	-2.3665	-5.30862	-6.71155	-7.18807	-13.2682	-15.4375	-15.8696	-19.2454	-15.0074	-20.1533	-26.6858	-19.4359	-23.8759	-23.0665	-21.0679	-24.4618	-1.3879	-19.437	-22.5752	-20.9169	-22.568			
130	7.1029241	6.851514	6.83107	7.343114	7.254729	6.518895	5.70708	4.945374	4.369721	3.757504	2.397967	0.858824	-0.86464	-2.18652	-5.13029	-5.63888	-5.91454	-9.8805	-11.5477	-11.7444	-16.8034	-19.2285	-16.7101	-20.5622	-20.1602	-20.8006	-18.857	-23.0341	-25.9572	-21.8027	-21.5165	-21.3664</					

Raw data – ANT8 (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	7.722929	7.086457	6.59642	6.627302	6.103228	5.721674	6.163923	4.508347	2.310344	3.346271	1.406568	-2.80508	-3.3858	-9.8384	-6.26118	-9.2009	-20.1167	-13.3768	-14.2073	-25.1331	-23.7006	-21.9177	-22.7244	-28.8411	-26.4601	-22.1085	-27.0284	-31.1489	-25.1564	-24.3093	-31.8253	-25.3398	-32.6579	-25.0577	-27.7544	
5	7.722929	7.132119	6.590609	6.547643	6.140454	5.820032	6.040126	4.55246	2.601234	3.227012	1.240844	-2.80508	-3.3858	-9.8384	-6.26118	-9.2009	-20.1167	-13.3768	-14.2073	-25.1331	-23.7006	-21.9177	-22.7244	-28.8411	-26.4601	-22.1085	-27.0284	-31.1489	-25.1564	-24.3093	-31.8253	-25.3398	-32.6579	-25.0577	-27.7544	
10	7.722929	7.174575	6.613438	6.486486	6.136077	5.85734	5.894351	4.543159	2.833264	3.093937	1.083862	-2.74756	-3.18727	-4.10151	-1.07726	-8.29461	-12.9661	-26.2838	-18.2744	-34.6966	-26.0378	-22.857	-31.669	-29.1581	-27.9964	-24.7274	-30.2547	-27.6815	-22.7644	-25.5617	-28.4038	-31.5476	-27.4418	-25.5567	-30.7026	
15	7.722929	7.212915	6.63554	6.434872	6.07747	5.822172	5.745923	4.497057	2.949933	2.935214	1.005091	-2.32785	-3.5374	-4.99744	-1.53484	-3.5374	-11.6704	-23.3328	-15.4244	-34.538	-28.092	-23.0966	-20.6481	-32.2832	-28.0642	-25.435	-26.5792	-28.564	-26.826	-21.8334	-28.0626	-27.9051	-31.431	-24.7937	-26.2029	-31.3160
20	7.722929	7.247485	6.660881	6.387647	5.968865	5.71732	5.603045	4.42916	2.920643	2.678431	0.919333	-1.95718	-3.5243	-5.05634	-4.84483	-6.9596	-9.90086	-19.6923	-15.2219	-31.1336	-26.424	-30.9552	-29.5965	-29.2975	-33.8356	-24.0365	-27.6691	-27.6722	-26.2393	-22.5428	-31.2792	-27.4574	-28.0418	-32.4431	-27.498	-33.0674
25	7.722929	7.27794	6.685493	6.344373	5.829965	5.559297	5.452287	4.325188	2.739182	2.257701	0.68817	-1.80229	-3.14602	-4.28448	-8.16105	-7.4027	-9.48238	-19.4155	-15.4225	-31.0727	-26.3328	-22.8681	-22.3961	-33.499	-35.8171	-24.4956	-29.1794	-27.7338	-26.1785	-25.5801	-29.9396	-27.567	-25.2272	-23.1624	-29.8523	-33.6363
30	7.722929	7.304294	6.706614	6.308243	5.689662	5.37701	5.257378	4.154493	2.409143	1.639229	0.140581	-2.23702	-3.10075	-3.35264	-8.48347	-8.24904	-9.92279	-22.4552	-17.9118	-31.0601	-27.0733	-23.9419	-25.5846	-27.2908	-26.6143	-24.3853	-31.5544	-26.7064	-25.9808	-31.7564	-26.7469	-28.9371	-23.4473	-23.916	-33.6958	-32.9294
35	7.722929	7.326746	6.722978	6.284136	5.576907	5.208357	5.035002	3.916846	1.976177	0.894066	-0.71293	-2.39642	-3.45044	-4.83022	-10.4569	-10.0925	-11.3733	-25.5855	-18.8099	-31.0747	-27.7003	-23.5363	-31.0883	-25.2169	-26.4406	-27.7283	-25.757	-31.0401	-22.5472	-25.7772	-24.7342	-28.3405	-29.9835	-26.6066	-32.9294	
40	7.722929	7.345703	6.734804	6.270001	5.512752	5.090844	4.908098	3.685148	1.60415	0.296006	-1.51352	-4.28971	-4.61495	-6.25372	-12.1968	-11.8437	-13.3715	-24.7078	-16.9754	-31.0606	-27.896	-19.2647	-26.3895	-28.0638	-24.8811	-22.951	-30.6836	-25.3696	-28.7566	-33.5187	-27.1133	-29.7377	-22.4813	-28.3405	-29.9835	-26.6066
45	7.722929	7.361773	6.74357	6.291165	5.507495	5.050649	4.817883	3.574749	1.482277	0.09835	-1.78415	-4.31096	-4.4741	-6.12726	-11.2227	-11.3818	-13.0405	-21.2568	-17.1158	-31.7583	-24.8905	-19.7165	-27.3327	-30.2026	-22.8306	-25.1566	-26.5317	-29.477	-28.7413	-29.2796	-26.5432	-33.7558	-28.3699	-25.8774	-28.1011	
50	7.722929	7.375745	6.751656	6.330308	5.563189	5.095765	4.843039	3.666141	1.630233	0.243194	-1.48709	-3.48354	-3.58249	-5.38023	-10.562	-11.6512	-12.9658	-19.1081	-18.1686	-31.5542	-25.4325	-21.043	-26.8897	-27.626	-23.8345	-23.6582	-26.8809	-27.7466	-27.492	-26.0287	-28.5793	-24.9388	-25.5685	-25.1023	-23.1287	-26.7893
55	7.722929	7.388549	6.761906	6.397349	5.677641	5.218993	4.974599	3.863709	1.942524	0.582728	-0.94055	-2.82041	-3.29525	-5.31508	-11.08	-13.1235	-13.5796	-18.5154	-20.2595	-21.1368	-23.2599	-21.2937	-32.2341	-32.8251	-22.926	-24.5927	-25.3182	-28.3757	-26.5444	-25.9628	-27.4774	-25.3843	-29.5955	-22.2	-23.323	-25.7254
60	7.722929	7.401206	6.777159	6.493734	5.84597	5.405078	5.176609	4.138556	2.239875	0.973416	-0.42287	-2.51604	-3.63493	-5.79641	-11.2662	-13.1284	-13.3884	-18.6399	-20.9955	-21.6401	-20.9717	-31.3087	-31.3087	-26.7123	-20.9115	-24.2888	-25.7349	-27.6778	-25.7002	-28.2836	-27.7815	-28.2193	-32.7191	-20.3845	-20.2302	-24.8853
65	7.722929	7.417466	6.799802	6.618298	6.059383	5.634948	5.404662	4.381736	2.568992	1.289249	-0.05205	-2.42084	-3.24173	-5.69666	-11.3555	-12.3305	-14.2467	-24.8626	-19.7596	-20.5769	-20.6761	-31.3087	-31.3087	-26.7123	-20.9115	-24.2888	-25.7349	-27.6778	-25.7002	-28.2836	-27.7815	-28.2193	-32.7191	-20.3845	-20.2302	-24.8853
70	7.722929	7.430249	6.831441	6.766412	6.303816	5.887003	5.623952	4.547174	2.75699	1.616967	0.3231	-2.27752	-3.56669	-6.55485	-11.0213	-11.4374	-12.427	-19.2979	-16.9915	-17.0837	-20.8599	-32.3924	-20.204	-23.5447	-21.2639	-25.792	-32.6227	-21.9797	-22.834	-28.0242	-25.9945	-31.0466	-24.9309	-19.6428	-23.778	
75	7.722929	7.448579	6.872733	6.950112	6.560771	6.138898	5.81493	4.666244	2.902528	2.174754	1.037423	-1.68285	-3.54035	-5.16623	-9.06937	-9.9543	-10.1856	-16.6657	-15.8675	-16.1633	-23.948	-31.6691	-31.8317	-23.8621	-21.7668	-29.9441	-27.5488	-20.3648	-21.0267	-26.1599	-24.9537	-26.3688	-22.5647	-20.6758	-20.3534	-23.4109
80	7.722929	7.470529	6.923421	7.099326	6.810372	6.370298	5.972795	4.716748	3.273423	2.967425	2.081845	-0.62699	-2.98557	-4.20138	-8.34339	-9.98684	-10.2886	-18.7012	-17.176	-17.603	-28.7991	-22.9295	-21.921	-24.7329	-21.6292	-28.9827	-24.3227	-20.2065	-19.387	-26.6817	-24.8195	-23.9096	-31.3149	-22.8131	-21.4696	-23.1682
85	7.722929	7.496668	6.982536	7.263736	7.00513	6.565305	6.101858	4.78317	3.57125	3.652541	3.007508	0.51967	-1.94394	-3.99279	-9.19275	-11.0206	-11.3749	-23.7302	-18.4673	-18.594	-22.6104	-31.5939	-21.5939	-21.5939	-21.5939	-21.5939	-21.5939	-21.5939	-21.5939	-21.5939	-21.5939	-21.5939	-21.5939	-21.5939	-21.5939	
90	7.722929	7.527329	7.04891	7.222977	7.014524	6.207855	4.856637	3.715153	3.896256	3.312581	0.71336	-1.46491	-3.43839	-8.61024	-9.53853	-9.7026	-16.6126	-17.6769	-15.5635	-15.5635	-15.5635	-15.5635	-15.5635	-15.5635	-15.5635	-15.5635	-15.5635	-15.5635	-15.5635	-15.5635	-15.5635	-15.5635	-15.5635	-15.5635	-15.5635	-15.5635
95	7.722929	7.56257	7.120364	7.455444	7.368605	6.818213	6.29795	4.95742	3.70099	3.637043	2.837484	0.327399	-1.1519	-2.29731	-3.64995	-7.17186	-11.9192	-13.5733	-13.7706	-11.9885	-19.7253	-17.2775	-17.2775	-17.2775	-17.2775	-17.2775	-17.2775	-17.2775	-17.2775	-17.2775	-17.2775	-17.2775	-17.2775	-17.2775	-17.2775	-17.2775
100	7.722929	7.602169	7.196114	7.652989	7.472491	6.88844	6.367984	5.111477	3.699613	3.179977	1.923252	-0.76729	-1.1089	-1.70796	-3.59485	-6.25668	-11.6215	-13.7341	-10.7085	-19.7253	-17.2775	-17.2775	-17.2775	-17.2775	-17.2775	-17.2775	-17.2775	-17.2775	-17.2775	-17.2775	-17.2775	-17.2775	-17.2775	-17.2775	-17.2775	-17.2775
105	7.722929	7.645611	7.274661	7.73584	7.537728	6.927725	6.466795	5.328522	3.877925	3.301591	1.38905	-1.39205	-1.44429	-2.39026	-3.9303	-6.4339	-10.7581	-14.5334	-12.5915	-11.7253	-24.2805	-19.0105	-23.1701	-23.2259	-20.3675	-20.9173	-21.2138	-27.3	-24.432	-19.4859	-25.8536	-21.7257	-20.2838	-23.2413	-26.7791	-22.6157
110	7.722929	7.692104	7.345878	7.794032	7.566085	6.951	6.556533	5.588395	4.258301	3.365297	1.778409	-0.77224	-1.37193	-2.894	-1.71872	-3.16063	-15.9226	-13.2376	-12.6712	-11.6276	-24.1109	-24.7297	-22.8122	-20.6239	-23.6675	-20.5581	-19.914	-29.5111	-21.9062	-22.7771	-21.5912	-25.1272	-22.5328	-22.5328	-22.5328	
115	7.722929	7.740593	7.435704	7.828344	7.555793	6.946403	6.26886	5.832723	4.682451	3.914049	2.54428	0.20093	-0.58262	-2.22466	-6.55896	-6.71632	-7.56057	-15.2546	-13.8002	-13.6926	-22.9467	-22.4637	-19.0074	-23.0989	-26.2054	-19.6653	-18.5118	-29.2795	-18.9692	-20.5954	-20.9329	-22.0988	-23.0252	-20.873	-23.8106	-22.459
120	7.722929	7.788801	7.516039	7.840187	7.502833	6.891101	6.641996	5.980195	4.938232	4.195975	2.856612	0.78265	-0.0626	-1.56849	-7.22889	-7.71897	-14.1893	-14.1893	-14.1893	-14.1893	-14.1893	-14.1893	-14.1893	-14.1893	-14.1893	-14.1893	-14.1893	-14.1893	-14.1893	-14.1893	-14.1893	-14.1893	-14.1893	-14.1893	-14.1893	
125	7.722929	7.838264	7.594627	7.831929	7.405173	6.765363	6.558177	5.975017	4.924242	4.020658	2.43274	0.120884	-0.40369	-1.60687	-6.62301	-6.67461	-7.044	-13.9564	-14.5033	-12.6194	-19.8309	-21.5223	-17.6029	-21.2394	-23.8	-18.8705	-19.4063	-24.7295	-19.7651	-20.3374	-24.1849	-23.9205	-23.2037	-19.707	-22.5297	-22.3847
130	7.722929	7.884535	7.696495	7.80725	7.267369	6.566984	6.370254	5.828275	4.700041	3.90365	1.613844	-0.09015	-1.21357	-5.16827	-4.90138	-5.74187	-11.3092	-15.3598	-18.1046	-17.6299	-21.6426	-23.538	-19.5075	-20.459	-26.2649	-23.621	-20.9916	-22.2448	-24.9646	-23.8306	-20.0757	-22.4726	-22.4726	-22.4726	-22.4726	
135																																				

Raw data – ANT8 (6.95GHz)

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	7.6578288	6.738699	6.204735	6.397967	6.013978	5.801471	6.360083	4.846578	2.790618	3.686377	1.528741	-3.31249	-4.07873	-11.5556	-7.28906	-10.4699	-23.0772	-18.8407	-24.948	-25.4606	-22.5954	-22.7863	-30.5435	-28.9766	-23.0047	-20.2706	-30.1153	-28.0844	-28.7221	-28.9575	-25.7883	-26.7181	-23.344	-26.2803				
5	7.6578288	6.780759	6.200165	6.280861	5.966788	5.791185	6.139082	4.801878	2.88677	3.454155	1.228552	-3.46881	-2.10315	-4.6863	-8.15976	-13.0599	-27.0777	-17.8972	-27.7998	-32.0092	-26.3511	-22.7152	-23.6327	-27.3775	-29.2838	-29.5823	-26.8112	-27.0022	-28.8869	-28.4521	-25.0075	-22.9254	-27.0148					
10	7.6578288	6.82231	6.206483	6.215001	5.937488	5.720847	5.885164	4.68692	2.982976	3.225623	0.984655	-3.18725	-1.89283	-4.34121	-8.4815	-8.26677	-12.5891	-22.5988	-16.0347	-18.9419	-27.2088	-24.632	-22.3752	-30.6104	-26.9892	-29.5189	-24.5557	-28.6828	-28.7554	-24.7933	-28.0001	-29.1226	-30.0444	-23.0382	-22.6881	-27.8865		
15	7.6578288	6.861208	6.220194	6.142144	5.840374	5.605899	5.639088	4.53259	3.006446	3.06669	0.961742	-2.54599	-1.47023	-3.2251	-8.3435	-6.43934	-10.4677	-19.2512	-13.9154	-16.9628	-25.8803	-20.2875	-22.6802	-29.0528	-27.9818	-26.1253	-29.036	-23.8943	-30.969	-28.0461	-28.8399	-21.7336	-22.7719	-28.8778				
20	7.6578288	6.897198	6.237431	6.079796	5.720973	5.468823	5.430535	4.371642	2.91853	2.804717	0.996649	-2.02377	-1.24205	-2.5846	-7.21864	-6.08159	-8.6719	-16.3899	-13.7456	-16.7063	-24.781	-20.2498	-19.234	-20.3986	-34.7148	-26.2893	-27.8332	-25.9758	-30.3219	-24.3242	-30.4582	-26.0415	-26.9092	-21.2992	-23.2671	-29.9064		
25	7.6578288	6.935159	6.254883	6.031292	5.606463	5.33651	5.265108	4.220695	2.718785	2.385083	0.725952	-2.00097	-1.35028	-2.72808	-7.51408	-6.90781	-9.6303	-16.1289	-14.3324	-15.6425	-23.668	-21.6221	-21.8848	-34.3702	-27.0841	-25.1251	-27.9008	-29.0802	-28.2112	-26.1948	-27.3088	-25.1377	-25.5468	-21.8211	-24.1693	-30.7676		
30	7.6578288	6.960154	6.270329	6.002457	5.529533	5.239824	5.132827	4.066536	2.429873	1.788576	0.115947	-2.71384	-2.09797	-3.78037	-8.53194	-8.48662	-9.4193	-20.066	-16.9834	-16.7498	-24.5002	-25.4336	-25.265	-25.9522	-30.8149	-25.5357	-29.0087	-31.6906	-34.8526	-28.6825	-25.5143	-26.1087	-24.6837	-23.4822	-25.2086	-31.1166		
35	7.6578288	6.987456	6.282802	5.998854	5.518223	5.210347	5.031787	3.888843	2.068532	1.098616	-0.78144	-4.04551	-4.06099	-5.7761	-10.9623	-11.7129	-11.0529	-22.2656	-18.1234	-18.9862	-24.6542	-21.2339	-25.2168	-25.1906	-29.9251	-25.4338	-29.7849	-32.173	-24.2617	-31.7608	-25.204	-29.4364	-24.0617	-26.6301	-25.5669	-30.7349		
40	7.6578288	7.012562	6.292488	6.023119	5.585203	5.270199	4.981113	3.706372	1.693955	0.487366	-1.56855	-4.9259	-5.37253	-6.90568	-12.3496	-11.1006	-12.2057	-21.458	-16.0444	-17.5708	-27.8044	-18.8307	-24.5869	-27.0268	-27.8704	-25.3059	-30.6926	-32.4568	-25.8056	-37.7447	-26.273	-33.5045	-23.6884	-30.3231	-24.5018	-29.763		
45	7.6578288	7.036183	6.300516	6.073726	5.723082	5.420179	5.007584	3.578374	1.41211	0.158495	-1.66711	-4.11473	-4.10743	-6.25554	-10.2762	-10.3506	-11.6296	-21.5822	-17.7574	-16.0796	-24.7227	-19.6586	-23.4007	-27.1083	-26.5528	-25.2668	-29.2482	-29.4921	-26.4205	-32.2015	-27.0672	-30.3334	-23.8526	-27.745	-22.6073	-28.5359		
50	7.6578288	7.059221	6.308744	6.14567	5.908891	5.637387	5.120002	3.545923	1.270316	0.116728	-1.16607	-2.6867	-2.6774	-4.3201	-9.1037	-10.5569	-11.3725	-16.9955	-17.2561	-16.9347	-27.2609	-22.3075	-23.8178	-26.9463	-27.9856	-26.4804	-27.6716	-28.935	-26.3326	-28.236	-26.8548	-27.5433	-24.9007	-23.4535	-20.7794	-27.3748		
55	7.6578288	7.08272	6.319561	6.232404	6.113848	5.88509	5.296649	3.615168	1.241652	0.211268	-0.63915	-1.88177	-2.05545	-3.35269	-11.2828	-12.5921	-12.8859	-21.7117	-11.8443	-23.8433	-26.3412	-28.3661	-27.7921	-31.4319	-27.7682	-28.6728	-27.4433	-27.2337	-27.0284	-27.3237	-23.8526	-27.745	-22.6073	-28.5359				
60	7.6578288	7.10781	6.3357	6.327827	6.311886	6.125902	5.512732	3.747983	1.310329	0.342545	-0.3026	-1.85663	-2.88797	-5.28978	-10.6411	-12.7607	-12.999	-16.8453	-18.1976	-21.6941	-21.6887	-19.852	-26.9685	-29.1918	-24.2305	-28.452	-30.3228	-33.8468	-28.4689	-33.9102	-29.847	-28.7413	-29.4761	-19.1111	-18.4513	-25.5221		
65	7.6578288	7.135634	6.360014	6.427487	6.483841	6.329965	5.725999	3.928009	1.515494	0.580614	-0.31188	-2.30091	-3.49565	-6.4163	-10.6894	-10.7075	-12.6711	-19.9974	-20.9882	-26.248	-26.9401	-23.28	-26.8598	-26.3125	-29.7834	-27.1152	-41.8135	-30.4816	-30.3464	-29.204	-18.4952	-18.0076	-24.9002	-24.4004				
70	7.6578288	7.167277	6.395197	6.528832	6.618202	6.475551	5.912713	4.149847	1.929453	1.138663	0.029974	-2.57844	-4.38935	-6.31577	-9.90399	-9.34879	-10.6801	-17.3723	-16.083	-16.7725	-20.825	-21.4511	-24.3119	-26.3478	-22.5692	-26.0084	-38.8077	-25.5545	-25.6659	-31.4346	-27.6448	-29.6475	-26.7058	-18.7449	-18.0254	-24.4044		
75	7.6578288	7.203684	6.443481	6.630888	6.710598	6.551442	6.051943	4.404932	2.548789	2.041512	0.845521	-2.19834	-3.82023	-5.08988	-9.03122	-8.95303	-10.3346	-16.9096	-15.7867	-15.8209	-25.7881	-21.5269	-22.1668	-25.6159	-22.5317	-28.3172	-31.3608	-23.8377	-23.9475	-28.0479	-26.4593	-27.6885	-24.4056	-19.9024	-18.4995	-24.151		
80	7.6578288	7.245591	6.506363	6.73378	6.763336	6.554781	6.128506	4.659339	3.209436	2.976367	1.808933	-1.52685	-3.46691	-4.70249	-9.2065	-11.0521	-11.0013	-19.6959	-17.2649	-17.7053	-21.1139	-22.9023	-23.9774	-25.3668	-22.3411	-32.1272	-26.2064	-24.0061	-31.9172	-27.772	-27.7549	-25.4654	-22.5258	-22.1566	-19.4389	-23.9962		
85	7.6578288	7.293462	6.584403	6.838293	6.785057	6.494629	6.137691	4.86009	3.682886	3.577064	2.477976	-1.26005	-3.50389	-8.8236	-10.8555	-10.0627	-12.6231	-22.6259	-19.1769	-20.1881	-23.7461	-25.2612	-26.161	-21.5633	-25.1488	-24.5312	-24.4976	-20.2214	-29.964	-30.8728	-23.4096	-20.9846	-25.2569	-20.8655	-23.9466			
90	7.6578288	7.347443	6.677159	6.945394	6.789683	6.393861	6.093338	4.977631	3.847065	3.643032	2.562627	-0.77527	-3.14555	-6.57599	-9.33468	-8.85737	-9.35531	-19.396	-17.8294	-16.8234	-24.6054	-21.2859	-21.6707	-27.5551	-21.0811	-30.355	-25.2529	-24.0784	-19.4121	-31.085	-30.7578	-22.1638	-19.8845	-31.1193	-22.7987	-23.9797		
95	7.6578288	7.401758	6.783217	7.055573	6.793595	6.287563	6.031456	5.042388	3.776128	3.2245	1.974857	-0.89291	-2.80908	-6.00349	-8.70587	-9.031	-7.74137	-15.9626	-16.0206	-16.2823	-24.7682	-21.6867	-28.7656	-28.6107	-25.0996	-23.0288	-26.0021	-23.8599	-26.5295	-23.7535	-19.8746	-26.6014	-27.4615	-22.048	-19.3663	-30.3363	-25.1834	-24.0599
100	7.6578288	7.472562	6.900339	7.168033	6.810718	6.212149	5.999127	5.130982	3.711172	2.706362	1.094204	-1.26291	-1.9333	-4.19334	-1.93726	-4.72477	-6.38793	-7.56455	-14.2275	-13.4533	-11.5406	-21.7623	-27.7171	-18.1661	-23.873	-24.5791	-19.0117	-29.8347	-24.8107	-21.6693	-23.2263	-25.3542	-22.9345	-19.4553	-26.2149	-27.6129	-24.1657	
105	7.6578288	7.542233	7.026569	7.279996	6.846929	6.190482	6.026763	5.300645	3.88165	2.634925	0.789364	-1.70663	-1.93422	-5.25849	-6.22445	-6.4347	-7.34862	-12.4027	-12.666	-12.6555	-24.7628	-27.1016	-18.6163	-23.5594	-26.6027	-22.0101	-30.9397	-26.859	-23.8157	-21.9452	-24.0884	-20.0238	-23.7231	-28.9227	-24.7298			
110	7.6578288	7.615117	7.155924	7.366571	6.896784	6.216433	6.101895	5.522782	4.275957	3.118762	1.351322	-0.92319	-1.39538	-3.20677	-7.28893	-8.80713	-6.72904	-14.9185	-12.2342	-12.1697	-22.0927	-27.5157	-18.302	-24.3604	-25.7547	-23.1282	-25.51	-27.8979	-23.8199	-22.0709	-25.8823	-24.5015	-20.7951	-22.4038	-28.414	-24.3948		
115	7.6578288	7.689713	7.28773	7.481466	6.944952	6.258226	6.172713	5.690806	4.626552	3.692179	2.118564	-0.20643	-0.20643	-2.34178	-6.74463	-6.97194	-7.4381	-13.84	-12.4202	-12.1291	-22.5995	-18.5528	-17.5912	-23.5984	-24.6223	-21.2285	-20.1962	-22.288	-30.1962	-21.7702	-27.5113	-24.447	-21.4908	-21.8294	-27.1581	-24.5134		
120	7.6578288	7.764392	7.417726	7.55846	6.972892	6.270683	6.184383	5.707788	4.694492	3.881597	2.420401	0.155891	0.37778	1.63634	-6.20057	-7.96407	-7.93501	-13.2703	-13.56	-12.6837	-16.8344	-18.6285	-17.4217	-24.148	-25.9922	-20.8007	-21.7792	-32.5462	-21.0493	-20.4801	-25.7788	-24.7797	-22.1361	-21.7775	-26.0519	-24.6463		
125	7.6578288	7.83701	7.542739	7.631144	6.962457	6.242557	6.116312	5.566544	4.451668	3.595565	1.37849	-0.08076	-0.2584	-1.90372	-6.52846	-6.76745	-7.14405	-13.8504	-13.8833	-12.2573	-19.4348	-18.2593	-17.3302	-23.0434	-24.3375	-20.9412	-22.4659	-29.5719	-21.4169	-19.5741	-22.9356	-25.6932	-23.1381	-22.1515	-25.3115	-24.8113		
130	7.6578288	7.915783	7.659795	7.644257	6.910188	6.15465	5.945929	5.356337	4.07659	3.115229	1.680803	-0.20074	-0.20074	-1.50582	-5.7024	-6.07702	-6.7293	-18.5828	-12.578	-11.4734	-18.2159	-22.9438	-22.2821	-24.7399	-19.8604	-22.9435	-30.8395	-23.3451	-20.2418	-21.7514	-26.8914	-25.1194	-22.9296	-24.9296</				

Raw data – ANT8 (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	7.3555709	6.387588	5.70086	5.849998	5.614565	5.462786	5.888551	4.065974	1.593827	2.611146	0.519881	-4.50668	-25.7338	-6.61009	-13.9128	-9.35131	-13.4387	-28.1572	-17.021	-27.6046	-24.6383	-29.2881	-25.4492	-28.8051	-27.4752	-23.4524	-26.5237	-30.1954	-28.1779	-27.8629	-22.5862	-24.1039	-28.4608	-22.1106				
5	7.3555709	6.420355	5.644122	5.68073	5.514135	5.340801	5.503957	3.811702	1.625683	2.373922	0.28158	-4.15494	-25.7406	-6.57449	-13.3912	-9.70106	-14.8142	-21.3398	-18.9057	-25.9146	-24.8081	-24.2236	-29.3347	-26.2009	-22.1906	-27.0038	-30.8985	-26.5033	-24.842	-30.5709	-25.0313	-24.9504	-28.0205	-22.7505				
10	7.3555709	6.452527	5.670702	5.541021	5.393139	5.194347	5.134118	3.558146	1.723773	2.280389	0.276733	-3.47548	-21.8811	-4.95988	-11.5357	-8.57208	-13.8868	-23.1651	-17.8168	-20.4545	-28.9174	-24.6801	-21.8512	-30.5017	-32.6489	-25.988	-26.2336	-29.3159	-31.7705	-26.4952	-26.3684	-29.6541	-26.7684	-24.2667	-26.9992	-23.0581		
15	7.3555709	6.48347	5.587257	5.430965	5.26836	5.06205	4.853317	3.732917	1.848605	2.320501	0.576065	-2.65499	-20.4634	-4.25396	-10.5817	-8.0486	-14.922	-23.8043	-17.1446	-21.6355	-31.0621	-28.1293	-24.8058	-28.9293	-29.9046	-25.8207	-31.4396	-24.2397	-32.2008	-27.8445	-32.0513	-26.2166	-25.4509	-22.8437	-26.1483	-23.5588		
20	7.3555709	6.513234	5.581312	5.352054	5.162541	4.976302	4.701635	3.300269	1.958137	2.328742	0.855071	-2.02313	-1.76364	-3.7824	-9.84424	-9.93896	-11.441	-22.2532	-17.9158	-20.9857	-26.6834	-26.2229	-22.8931	-26.0988	-32.2203	-26.8233	-33.0872	-22.7486	-35.7238	-27.3562	-32.8364	-24.0995	-23.6857	-21.8675	-25.8434	-24.0478		
25	7.3555709	6.541702	5.58556	5.307144	5.101284	4.953564	4.665504	3.136539	2.008086	2.159331	0.794899	-2.04646	-2.06466	-4.55906	-4.25337	-8.06741	-10.8794	-19.7275	-19.7275	-20.9857	-27.9074	-26.364	-27.8497	-28.3756	-33.1023	-32.9877	-22.7149	-30.091	-36.3163	-25.9137	-32.9667	-21.7798	-26.221	-24.8435	-24.0478			
30	7.3555709	6.568824	5.596922	5.29883	5.106017	5.001447	4.700922	3.345321	1.925211	1.778368	0.930206	-2.60921	-2.60921	-4.55906	-4.55906	-4.55906	-11.8588	-11.581	-22.3135	-20.9508	-20.7513	-18.1149	-23.841	-26.8192	-32.7394	-32.6228	-30.4186	-32.9558	-29.9697	-26.4079	-24.4979	-26.4706	-26.8556	-26.078	-23.1434	-22.7571	-27.279	-24.806
35	7.3555709	6.596453	5.613164	5.327278	5.181305	5.117111	4.76939	3.323681	1.694992	1.234551	-0.28086	-3.52504	-3.52504	-4.73297	-4.73297	-4.73297	-10.4068	-12.318	-13.0072	-19.3538	-18.1032	-18.1032	-22.8867	-27.3166	-32.6035	-32.6035	-27.5508	-25.4443	-25.89	-23.2851	-28.1574	-25.8988	-32.2348	-23.5951	-22.9672	-24.6174	-24.962	
40	7.3555709	6.619382	5.632953	5.388999	5.22084	5.208605	4.852058	3.243438	1.346698	0.601231	-1.07939	-4.49715	-5.49806	-5.49806	-7.10246	-12.2293	-12.4127	-13.395	-20.2761	-20.4271	-18.2145	-33.8989	-22.9943	-30.4953	-34.7986	-26.505	-29.1519	-32.3808	-26.5758	-24.8998	-30.4027	-25.7564	-36.3831	-23.7421	-28.1578	-28.791	-24.8502	
45	7.3555709	6.643353	5.655775	5.477473	5.501145	5.479445	4.937947	3.134099	0.989012	0.125151	-1.54016	-4.59077	-5.25852	-5.25852	-6.90008	-12.5223	-13.9544	-15.1204	-21.5132	-26.3803	-20.0101	-28.5532	-26.4695	-28.3557	-29.562	-25.9882	-24.7805	-24.7805	-29.4343	-24.7805	-28.8973	-23.7827	-28.43	-26.8849	-24.5991			
50	7.3555709	6.667055	5.681832	5.585231	5.696176	5.656567	5.01181	3.024232	0.745327	0.011443	-1.33699	-3.96973	-4.34712	-4.34712	-6.13483	-11.8326	-14.7952	-16.9145	-20.2761	-24.5572	-28.4239	-28.7151	-22.7239	-25.9409	-25.5432	-25.1383	-26.0754	-29.921	-29.8894	-24.2602	-28.4068	-24.2365	-26.8516	-24.3802	-24.8366	-24.3754	-23.9663	
55	7.3555709	6.691108	5.711884	5.700033	5.885911	5.818062	5.058622	2.931159	0.680758	0.287038	-0.72677	-2.79901	-3.8033	-6.19928	-12.6592	-13.556	-15.6677	-21.0004	-20.9898	-21.0256	-24.151	-19.7958	-27.0079	-31.123	-24.797	-25.673	-29.2623	-32.2976	-25.6177	-30.4587	-25.1	-28.224	-25.8205	-21.846	-22.2827	-23.2962		
60	7.3555709	6.716233	5.747039	5.835871	6.06112	5.926557	5.07684	2.877353	0.786175	0.717126	-0.1556	-2.38305	-3.95159	-6.65912	-12.1233	-13.1556	-18.8538	-18.9573	-23.2261	-28.7471	-23.5554	-29.6491	-27.02	-29.5041	-29.6432	-39.311	-28.8488	-34.137	-27.921	-32.2674	-27.1827	-30.0012	-22.7726	-25.3738	-24.0478			
65	7.3555709	6.743212	5.788442	5.972353	6.222462	5.99977	5.083914	2.890945	1.051454	1.132209	0.142741	-2.39343	-4.20436	-6.53787	-10.6987	-11.2679	-13.0595	-19.4439	-18.9737	-18.6027	-20.6061	-20.2357	-24.676	-28.1161	-27.7372	-33.485	-35.6714	-36.0506	-30.0793	-30.9709	-33.2194	-29.6315	-26.3758	-19.0904	-19.7929	-21.8592		
70	7.3555709	6.772842	5.83693	6.11302	6.375734	6.060799	5.112396	3.209553	1.463785	1.556681	0.27745	-2.60466	-3.99655	-5.9399	-8.8265	-10.2978	-12.2229	-19.7291	-19.333	-18.1452	-19.6675	-20.712	-25.3231	-33.3929	-25.6176	-27.7675	-31.0748	-29.4038	-28.8438	-28.209	-38.0362	-24.6998	-24.3365	-18.9776	-19.2666	-21.1799		
75	7.3555709	6.805887	5.892744	6.253627	6.525702	6.138806	5.204339	3.271955	1.923469	1.960543	0.433426	-2.77516	-3.5422	-5.41495	-11.1233	-11.9178	-12.9269	-19.9697	-17.9175	-17.5126	-22.7184	-19.4723	-23.5571	-29.9276	-23.0665	-27.0831	-27.4162	-27.6276	-27.5765	-27.2086	-35.7712	-22.0827	-22.8039	-19.6167	-19.121	-20.5643		
80	7.3555709	6.8343025	5.955397	6.38731	6.670648	6.2564	5.399473	3.6355	2.300193	2.1775	0.517495	-2.97116	-4.99816	-11.9547	-12.1594	-12.7293	-20.0216	-14.8413	-15.9425	-19.9374	-16.9748	-21.8364	-24.5469	-20.3322	-29.0317	-27.094	-27.7967	-26.9168	-26.4653	-34.742	-20.9539	-21.9979	-21.0253	-19.2837	-20.0182			
85	7.3555709	6.8684807	6.023791	6.50507	6.79938	6.414401	5.707022	4.107108	2.547486	2.113694	0.569913	-3.45499	-3.64832	-4.94948	-10.5035	-8.65845	-8.80602	-17.2824	-13.1245	-14.5488	-16.8275	-17.3433	-21.144	-24.3293	-19.4827	-29.4198	-26.6552	-26.3271	-26.85	-25.3995	-37.0182	-20.6761	-21.6538	-23.2496	-19.6722	-19.544		
90	7.3555709	6.8976109	6.096543	6.597407	6.892088	6.582564	6.078085	4.636548	2.702741	1.839427	0.145819	-3.47067	-4.93851	-5.13042	-9.9457	-10.5365	-11.5999	-16.7569	-16.5540	-20.5365	-22.1948	-25.9889	-19.5109	-25.6636	-26.6713	-24.5261	-25.723	-24.2415	-40.9438	-20.7821	-21.5155	-26.1693	-20.1848	-19.1415	-20.805			
95	7.3555709	6.983602	6.172451	6.656588	6.925331	6.706189	6.412784	5.123131	2.820275	1.515105	0.168164	-2.30693	-2.96939	-4.69442	-9.37686	-10.3051	-11.5488	-12.2267	-19.0996	-18.8606	-21.3356	-21.1079	-20.612	-26.2419	-19.6904	-23.2777	-27.196	-23.4041	-23.3235	-23.3301	-31.9658	-21.0342	-21.4798	-28.5128	-20.702	-20.8895		
100	7.3555709	7.04072	6.250951	6.678911	6.789587	6.727312	6.602477	4.548053	2.916558	1.297193	0.499986	-0.89844	-1.62037	-3.63468	-8.06489	-10.3975	-11.5773	-13.2366	-16.9802	-16.2761	-18.2911	-22.6912	-26.7187	-20.2998	-22.7222	-26.8651	-22.8278	-21.6975	-23.0851	-26.7531	-21.5899	-21.4719	-27.8767	-21.1085	-18.5473	-18.5473		
105	7.3555709	7.102639	6.332412	6.666344	6.748808	6.608865	6.575182	5.515108	2.973339	1.274327	0.65149	-0.21908	-0.89559	-2.87809	-6.86179	-7.6437	-8.51571	-15.078	-13.8327	-14.0087	-22.2551	-21.1825	-18.8408	-27.2187	-21.8103	-22.3588	-26.62	-23.0022	-21.2403	-23.6468	-24.4818	-22.8846	-21.2365	-25.723	-23.3131	-18.355		
110	7.3555709	7.168757	6.418179	6.672051	6.546369	6.531996	6.32397	5.315575	2.983509	1.498465	0.678634	-0.65141	-1.38585	-2.36875	-7.25281	-7.7725	-16.806	-13.8834	-13.5362	-22.7666	-19.3596	-19.1335	-26.7623	-23.669	-21.1397	-26.8869	-23.829	-21.3752	-24.2545	-23.9333	-25.5347	-20.5371	-23.9662	-21.3662	-24.2431	-18.271		
115	7.3555709	7.238189	6.510295	6.574497	6.295181	6.002278	5.916607	4.922673	2.961514	1.939609	0.868674	-1.50256	-2.0893	-4.5351	-10.086	-8.6761	-9.2177	-16.6617	-13.0424	-13.946	-22.7937	-21.1676	-18.8747	-20.4337	-23.6953	-19.9432	-26	-25.8995	-21.8156	-23.5236	-23.6911	-29.9446	-19.6345	-22.9667	-21.2631	-18.1871		
120	7.3555709	7.307706	6.610943	6.525191	6.047706	5.640575	5.481571	4.487336	2.931259	2.412299	1.340552	-1.65471	-2.65471	-5.0003	-11.4786	-9.7032	-9.7032	-16.4027	-13.9958	-14.2732	-20.9987	-18.51	-22.367	-24.3111	-19.8073	-23.7451	-29.6934	-22.3394	-21.9182	-22.4963	-32.9004	-19.1089	-22.7952	-21.0877	-18.2175			
125	7.3555709	7.382052	6.721689	6.495507	5.846175	5.354425	5.157903	4.168615	2.904571	2.767501	1.824814	-1.07877	-2.54411	-3.80109	-6.6552	-8.2899	-7.8079	-15.6467	-14.6795	-13.0998	-22.8841	-19.4042	-18.6833	-23.2771	-25.0027	-20.5523	-22.1125	-29.4503	-24.1417	-20.8231	-21.0523	-30.5223	-19.4414	-23.6073	-20.8938	-18.3035		
130	7.3555709	7.453375	6.84271	6.498332	5.721825	5.198701	5.021734	4.037562	2.845187	2.68964	2.10001	-0.44054	-1.66124	-2.78034	-6.65577	-7.22283	-7.41149	-15.4219	-14.4238	-11.9127	-17.4506	-18.6818	-18.5175	-25.3841	-20.988	-21.5705	-27.4273	-22.6535	-20.672	-20.1875	-27.66							

Raw data – ANT8 (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	7.4694103	6.243545	5.421196	5.904569	5.429297	6.468151	5.463798	3.832518	1.249659	2.765592	-0.05806	-0.08063	-0.15382	-0.08791	-4.39236	-9.11853	-6.848242	-12.7763	-16.8408	-16.4047	-20.1992	-25.1619	-23.1357	-27.4607	-37.3966	-38.1319	-31.3428	-35.1151	-26.9373	-29.1537	-29.1648	-25.1399	-24.294	-31.2796	-26.192	-29.3336	-27.208
5	7.4694103	6.361495	5.529845	5.874423	5.458973	4.725019	5.325159	3.981934	1.79692	2.991906	0.008363	-0.15382	-0.08791	-4.39236	-9.11853	-6.848242	-12.7763	-16.8408	-16.4047	-20.1992	-25.1619	-23.1357	-27.4607	-37.3966	-38.1319	-31.3428	-35.1151	-26.9373	-29.1537	-29.1648	-25.1399	-24.294	-31.2796	-26.192	-29.3336	-27.208	
10	7.4694103	6.486002	5.672563	5.879838	5.505203	4.87558	5.298491	4.188497	2.400783	3.322089	1.439715	-1.77057	-0.28059	-0.30219	-8.4339	-6.0174	-10.9888	-16.2468	-14.2815	-20.2292	-24.7752	-21.9294	-27.1407	-38.7237	-34.6372	-34.3387	-29.1654	-28.2129	-26.0616	-28.7194	-24.9137	-25.1895	-32.777	-27.0756	-31.0798	-26.268	
15	7.4694103	6.614288	5.843946	5.929148	5.570101	5.056782	5.36196	4.378219	2.822278	3.52657	2.037315	-1.09198	0.213408	-2.34581	-8.30005	-6.01835	-8.97407	-17.6698	-14.2036	-20.0247	-25.6818	-22.1122	-27.0937	-32.5595	-26.5779	-28.5613	-28.1601	-28.0114	-24.8383	-28.2249	-26.1394	-24.8174	-32.7121	-26.9919	-30.1147	-27.236	
20	7.4694103	6.743566	6.036133	6.026004	5.652619	5.249034	5.439717	4.467164	2.902243	3.334543	2.058163	-0.57446	-2.85891	-5.26719	-6.76893	-7.68935	-16.9313	-16.2036	-20.047	-25.6818	-22.1122	-27.0937	-32.5595	-26.5779	-28.5613	-28.1601	-28.0114	-24.8383	-28.2249	-26.1394	-24.8174	-32.7121	-26.9919	-30.1147	-27.236		
25	7.4694103	6.871106	6.239444	6.167035	5.74974	5.37521	5.451756	4.400853	2.632281	2.66124	1.347409	-2.22301	-1.88852	-3.8393	-10.8829	-8.8105	-12.3147	-21.2247	-17.7377	-23.7536	-25.3678	-23.9556	-26.7652	-28.7076	-30.272	-27.0394	-27.6643	-30.7756	-33.775	-29.567	-27.8441	-29.4988	-27.5494	-25.4824	-25.8581	-23.449	
30	7.4694103	6.994366	6.443377	6.341737	5.857806	5.428028	5.357489	4.154422	2.054781	2.607764	0.004474	-3.99197	-2.52966	-5.2896	-11.8829	-8.85801	-12.7314	-22.4529	-19.1818	-20.7817	-26.6515	-22.8616	-26.6647	-28.7553	-30.272	-27.0394	-27.6643	-30.7756	-33.775	-29.567	-27.8441	-29.4988	-27.5494	-25.4824	-25.8581	-23.449	
35	7.4694103	7.111126	6.63775	6.534592	5.972889	5.417558	5.16871	3.766167	1.210457	0.385594	-1.41719	-4.15919	-3.97687	-5.99133	-12.4212	-10.2419	-13.0866	-20.8784	-19.4757	-21.0915	-26.001	-21.7407	-28.4887	-27.001	-26.8493	-28.1656	-26.106	-26.5337	-29.7108	-29.5135	-28.4685	-30.572	-25.2403	-28.4252	-23.6301	-22.7012	
40	7.4694103	7.219785	6.813771	6.728544	6.058534	5.365943	4.93144	3.26274	0.305114	0.45685	-1.82341	-4.29875	-3.07942	-5.0645	-11.5892	-10.7908	-14.1506	-24.0768	-21.1135	-24.2567	-26.688	-21.832	-27.871	-23.5239	-25.3834	-30.5993	-26.7916	-26.4497	-27.9033	-31.4626	-29.7398	-32.4897	-24.8605	-26.2368	-23.1969	-21.795	
45	7.4694103	7.318406	6.964863	6.908095	6.18947	5.290088	4.692701	2.834393	0.24352	0.39982	-0.96476	-4.1952	-2.84725	-5.5508	-14.78115	-11.737	-13.3314	-24.9425	-22.3109	-24.2451	-26.4804	-23.596	-26.8845	-24.2613	-23.7479	-29.2338	-25.8168	-28.4708	-28.7845	-35.6273	-30.0252	-29.1419	-24.9008	-27.3066	-23.0901	-21.5124	
50	7.4694103	7.406834	7.087162	7.065184	6.277243	5.207661	4.48006	2.55917	-0.20639	0.237583	0.0505	-0.04653	-2.89781	-5.35548	-13.9409	-12.3327	-16.0523	-20.7663	-19.9998	-24.4156	-24.4409	-22.3886	-25.3962	-28.0749	-24.9006	-29.453	-25.0669	-31.046	-25.8037	-38.7233	-29.2171	-25.8202	-25.572	-27.6673	-23.2669	-21.3492	
55	7.4694103	7.484615	7.179669	7.194638	6.349762	5.127727	4.309924	2.45134	0.214351	0.89697	0.655095	-0.04313	-3.766	-6.32436	-13.3403	-11.9395	-14.9474	-20.7229	-22.9939	-20.5346	-24.9757	-23.5817	-23.0297	-28.6889	-25.0124	-30.4084	-25.5402	-31.5648	-28.399	-24.7176	-27.057	-26.447	-23.6434	-21.2939	-21.3492		
60	7.4694103	7.55202	7.244079	7.299914	6.415557	5.069931	4.206889	2.520437	0.750821	1.382635	0.941378	-2.37578	-4.56348	-6.51953	-13.2469	-11.2491	-13.621	-22.337	-17.0527	-18.8544	-22.897	-18.9601	-26.603	-34.7523	-26.4547	-28.1179	-24.6931	-27.9918	-26.14	-27.3558	-28.3752	-23.5602	-28.9079	-24.4648	-24.1811	-21.3337	
65	7.4694103	7.609174	7.28433	7.388287	6.489849	5.059312	4.203753	2.763777	1.31717	1.75705	1.215381	-2.10456	-5.81817	-12.2399	-12.8393	-14.1596	-22.6594	-19.9506	-19.7467	-24.5847	-20.0891	-31.6197	-35.3388	-30.4133	-26.737	-25.1897	-26.3834	-26.79	-26.207	-29.099	-23.2946	-23.397	-22.7648	-24.8309	-21.4548		
70	7.4694103	7.65898	7.305924	7.468587	6.587491	5.117569	4.317401	3.14483	1.930009	2.180066	1.671306	-0.99959	-2.74717	-4.27203	-10.1946	-15.3132	-15.3988	-21.929	-26.0789	-23.4123	-23.4576	-22.7692	-26.9907	-31.7048	-26.3052	-27.9758	-27.2133	-25.3369	-26.201	-27.7399	-28.2895	-23.0324	-27.9869	-21.6875	-25.5071	-21.6418	
75	7.4694103	7.701005	7.315133	7.548117	6.716626	5.251529	4.528527	3.572187	2.541302	2.669058	2.165046	-0.05979	-1.58531	-4.33445	-9.51194	-13.1121	-14.2468	-20.3947	-18.8176	-19.4575	-24.9288	-22.3937	-24.1876	-29.4574	-28.5367	-28.344	-24.405	-24.8493	-32.1992	-25.5234	-22.8694	-26.5246	-21.2665	-26.0313	-21.8792		
80	7.4694103	7.737367	7.318195	7.630326	6.874901	5.448006	4.789633	3.938669	3.003879	3.034552	2.387427	0.196561	-1.25406	-3.46373	-9.30841	-8.27121	-9.83203	-24.9339	-15.8339	-15.4998	-35.0974	-18.2473	-19.9858	-25.4404	-19.893	-28.8105	-28.7049	-29.9729	-23.8042	-35.1346	-23.4742	-22.7283	-22.3287	-21.4435	-26.1274	-22.5156	
85	7.4694103	7.769607	7.320652	7.71395	7.04975	5.67876	5.052299	4.173705	3.18985	3.117215	2.272908	0.010592	-0.75474	-2.36456	-6.31029	-5.16925	-6.61972	-16.7007	-12.4349	-12.4935	-22.7535	-16.4032	-18.5605	-26.2033	-20.8604	-25.8064	-26.4426	-20.7537	-23.336	-30.5909	-22.7673	-22.0512	-24.1306	-22.0945	-25.6098	-22.4458	
90	7.4694103	7.799159	7.326931	7.7938	7.222006	5.911051	5.28705	4.272735	3.098488	2.962909	2.036554	-0.11601	-0.00049	-4.33771	-4.55992	-6.13051	-14.007	-11.1943	-12.4313	-16.2631	-17.1378	-18.7461	-31.104	-21.3272	-23.7386	-29.6754	-19.2695	-24.1284	-27.5627	-22.9444	-20.7545	-23.0185	-22.9831	-24.6086	-22.7524		
95	7.4694103	7.827241	7.340213	7.862789	7.37096	6.116318	5.481969	4.288441	2.829416	2.768151	2.034932	0.119913	0.0272	0.94639	-3.45467	-7.1836	-10.5422	-12.2248	-13.8533	-16.7463	-17.9122	-18.7412	-31.8379	-19.7925	-22.9026	-25.9129	-19.3012	-26.2515	-25.8096	-23.1727	-19.6007	-22.3521	-23.7291	-23.4473	-23.068		
100	7.4694103	7.854761	7.36252	7.914407	7.479198	6.274317	5.631787	4.293934	2.619756	2.717008	2.295645	0.49287	-0.17491	-1.98357	-5.58189	-7.05427	-17.0129	-12.4297	-12.9984	-14.7472	-17.0619	-18.6699	-26.9508	-18.8722	-32.4621	-25.213	-20.8328	-27.2686	-24.9134	-23.1197	-19.913	-22.3035	-23.9855	-22.3855	-23.736		
105	7.4694103	7.884229	7.394921	7.944829	7.536168	6.374663	5.736389	4.351662	2.66727	2.85376	2.51402	0.612001	-0.39728	-2.58801	-5.26584	-7.0551	-17.9285	-12.9814	-11.9688	-15.8627	-18.5033	-23.2043	-26.9345	-22.969	-25.4035	-24.5672	-23.4323	-23.7309	-22.6622	-23.7709	-21.5517	-23.7462					
110	7.4694103	7.909776	7.437689	7.954049	7.539995	6.419966	5.804293	4.488837	2.991654	3.112071	2.432423	0.028337	-0.74479	-2.58023	-5.31783	-6.06514	-7.69489	-16.1123	-10.7936	-11.6027	-12.2662	-14.7501	-17.2871	-23.0095	-18.5505	-22.9297	-30.3224	-24.0852	-22.9179	-23.8101	-24.7915	-21.0405	-22.8731	-23.4142	-20.9871	-24.1337	
115	7.4694103	7.937041	7.490341	7.945729	7.497727	6.409093	5.844018	4.665795	3.380486	3.311919	2.142449	-0.9663	-1.0515	-2.9827	-7.79952	-5.85422	-6.9513	-14.2881	-10.5742	-12.4132	-12.6463	-14.7605	-17.8823	-25.3678	-20.2806	-24.5436	-33.4752	-24.4228	-21.2388	-22.7097	-27.2394	-22.8487	-22.6238	-23.2132	-20.6898	-24.577	
120	7.4694103	7.963292	7.551553	7.925828	7.42044	6.364407	5.858844	4.791615	3.594983	3.364198	1.919896	-1.54857	-1.07184	-2.26618	-7.39322	-5.59992	-6.5252	-17.5191	-11.9909	-12.0271	-11.1649	-17.32	-19.307	-32.5758	-21.634	-24.8805	-27.6334	-24.1343	-20.8806	-22.4721	-29.1302	-24.6907	-22.3261	-23.3007	-20.6387	-25.0878	
125	7.4694103	7.987433	7.619044	7.90048	7.324026	6.299288	5.846837	4.806607	3.549999	3.279033	1.878062	-1.52178	-1.2375	-2.46849	-7.43144	-5.8806	-6.91674	-17.2167	-11.3637	-11.3575	-11.3711	-27.3506	-17.3611	-29.1601	-24.1058	-20.8897	-26.357	-23.4259	-21.357	-23.4545	-28.4686	-26.5429	-22.4907	-23.669	-20.6909	-25.7181	
130	7.4694103	8.00088	7.689536	7.873929	7.219261	6.229499	5.826422	4.744267	3.322648	3.121594	1.915812	-1.36232	-1.61979	-1.05832	-8.2772	-6.70793	-7.84195	-18.405	-11.8462	-12.7996	-10.879	-16.1488	-16.3622	-26.1905	-18.7657	-18.5092	-26.3022	-23.3645	-21.3851	-24.537	-27.1212	-28.2988	-23.2249	-24.2183	-21.1714	-26.	

Raw data – ANT8 (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	7.4063716	6.426878	5.860434	6.20956	5.553423	4.880424	5.820256	4.311793	2.149977	3.645339	0.933004	-3.24464	-0.50589	-4.0703	-9.93004	-7.06745	-13.7534	-18.967	-15.3245	-19.4646	-27.2971	-28.7054	-25.3827	-27.9735	-27.8717	-27.5759	-29.1179	-24.0626	-29.0393	-29.0547	-26.7211	-23.8641	-30.5404	-22.4167	-20.6871	-25.7529
5	7.4063716	6.576756	6.001859	6.221516	5.668352	5.081028	5.832641	4.621804	2.638891	3.694981	1.415813	-3.25328	-0.20097	-3.57859	-10.2926	-6.6674	-12.9129	-16.0211	-20.4533	-24.3113	-22.6292	-25.5466	-31.976	-36.3173	-29.702	-39.195	-26.2744	-29.9101	-30.6097	-24.9229	-23.0146	-33.5882	-24.2615	-21.6368	-25.625	
10	7.4063716	6.727513	6.161154	6.241697	5.748003	5.268329	5.837327	4.790045	2.89442	3.530391	1.627117	-1.90021	-0.21934	-3.255	-9.64611	-6.65013	-10.9152	-17.8899	-14.9126	-20.7367	-24.664	-23.2113	-29.1288	-35.0011	-33.2607	-27.2503	-27.1581	-26.6765	-26.3462	-29.7671	-25.3226	-24.02	-35.9334	-25.6918	-22.815	-25.4315
15	7.4063716	6.876579	6.334045	6.276918	5.789585	5.403066	5.801361	4.751783	2.788637	3.119211	1.539756	-1.90154	-0.09575	-3.25751	-10.1068	-1.71086	-11.0001	-19.3658	-15.0016	-21.8406	-24.4066	-27.8013	-28.694	-26.5771	-30.4294	-25.8949	-25.9788	-23.3885	-26.0676	-26.5382	-27.0853	-32.7552	-25.3715	-24.0002	-25.1569	
20	7.4063716	7.021465	6.514924	6.333867	5.797603	5.443684	5.660223	4.545712	2.210167	2.269125	0.92298	-2.68563	-1.26293	-3.91317	-10.688	-7.22083	-10.173	-22.7139	-16.4837	-20.3352	-27.576	-25.2145	-29.482	-36.5415	-27.685	-25.6236	-27.8003	-27.7692	-23.9357	-24.6316	-25.7383	-28.7352	-29.0236	-24.0127	-24.882	-24.8025
25	7.4063716	7.159872	6.697212	6.41616	5.782281	5.369792	5.359761	3.892336	1.233453	1.404638	-0.16081	-3.50083	-2.24459	-3.81068	-11.0085	-8.14816	-10.7879	-19.881	-15.3265	-18.6653	-22.5041	-25.9672	-29.2566	-33.3131	-29.2329	-34.7179	-28.5418	-27.7183	-25.372	-24.5598	-25.9448	-26.8337	-22.9415	-25.2734	-24.3862	
30	7.4063716	7.28978	6.873937	6.522461	5.7564	5.176814	4.898904	3.11117	0.08714	-0.05965	-1.05532	-3.70283	-2.91465	-4.23126	-11.068	-8.62024	-11.5007	-23.8862	-17.194	-19.8118	-39.8481	-31.0971	-23.5769	-29.2016	-28.2504	-26.2811	-30.8139	-27.4586	-23.3545	-26.0251	-24.4634	-26.0513	-22.6152	-25.3106	-23.938	
35	7.4063716	7.40953	7.038413	6.64646	5.731298	4.913491	4.346398	2.236671	-0.877877	-0.34226	-0.92547	-2.92904	-2.19685	-4.30062	-11.5282	-9.31381	-11.5949	-22.3334	-18.525	-20.0173	-25.0893	-21.1875	-27.6232	-26.3622	-38.3122	-25.9695	-26.7213	-25.3354	-23.0033	-26.165	-27.8159	-25.3798	-26.4663	-23.1601	-25.3012	-23.0452
40	7.4063716	7.517885	7.184001	6.778688	5.714206	4.630422	3.823139	1.571766	-1.16655	0.273803	0.071201	-1.82381	-1.59391	-4.1671	-12.5384	-10.8889	-13.6308	-23.6369	-18.5048	-28.0746	-27.6055	-20.8787	-29.461	-21.1021	-28.8424	-28.9169	-26.035	-23.3255	-27.5707	-27.4549	-32.2217	-28.9752	-27.8415	-24.7426	-25.4835	-23.0433
45	7.4063716	7.614064	7.309148	6.909291	5.708764	4.382707	3.452332	1.23158	-0.62071	1.149342	1.017588	-1.26801	-2.00525	-4.88975	-14.1648	-10.8031	-14.9461	-27.1634	-14.6597	-24.4746	-29.3396	-28.466	-21.17	-25.4878	-26.1804	-24.5201	-23.309	-26.1297	-29.85	-30.6923	-34.8006	-29.7159	-27.8024	-25.9747	-22.6413	
50	7.4063716	7.697759	7.408727	7.030606	5.717731	4.214644	3.307301	1.442397	0.291445	1.80621	1.471299	-1.45447	-3.07651	-6.24131	-13.9864	-8.66998	-11.6924	-14.9715	-12.4514	-19.4396	-22.4917	-18.1114	-20.5578	-22.5399	-22.4621	-24.6734	-25.409	-26.293	-24.8187	-33.187	-26.8869	-33.3208	-30.9955	-33.5356	-26.8069	-22.283
55	7.4063716	7.769125	7.483177	7.138654	5.74469	4.152576	3.396133	1.971473	1.094038	2.097962	1.392052	-1.28412	-4.00937	-6.59742	-12.7331	-7.95652	-10.0152	-15.3566	-13.1633	-17.6736	-20.1657	-17.3706	-21.9431	-27.4616	-22.5459	-24.3207	-26.7436	-30.3541	-24.4876	-32.6288	-24.7425	-31.3755	-30.147	-37.3059	-27.9438	-21.9713
60	7.4063716	7.828477	7.533905	7.232277	5.792902	4.197191	3.679674	2.640636	1.673559	2.116584	1.08873	-3.12806	-4.7489	-5.97785	-11.6008	-8.65083	-10.6928	-18.2473	-14.2055	-16.9115	-21.9317	-16.8766	-23.1029	-30.5586	-29.1642	-25.8593	-25.1494	-31.2544	-25.347	-27.4314	-24.111	-33.2696	-27.6437	-30.3448	-29.2349	-21.7052
65	7.4063716	7.877584	7.563908	7.317171	5.862813	4.327391	4.088015	3.358256	2.517083	2.12528	1.08335	-3.90213	-4.64713	-5.84335	-12.7262	-13.5611	-19.2538	-17.9502	-19.1928	-24.4578	-18.3639	-24.4478	-26.9502	-32.3915	-33.9573	-23.1416	-31.9819	-27.3271	-25.1776	-25.1885	-35.3405	-25.1704	-36.4843	-30.2847	-21.4822	
70	7.4063716	7.916983	7.577316	7.394256	5.951202	4.489134	4.527962	4.03947	2.640802	2.289292	1.48645	-1.66807	-4.00217	-6.00346	-13.108	-19.667	-18.5653	-16.8516	-22.3504	-28.0022	-19.6029	-18.6867	-20.6175	-25.7162	-31.0858	-23.9982	-23.2737	-29.338	-28.2228	-25.995	-27.6629	-29.0255	-34.3521	-30.44	-21.2995	
75	7.4063716	7.948135	7.578845	7.468182	6.025295	4.665478	4.899222	4.578126	3.073409	3.259774	1.920097	-0.6908	-3.23187	-5.71936	-12.8608	-19.3831	-23.3463	-20.4617	-21.8483	-20.2969	-17.0392	-20.6937	-21.4134	-27.5328	-22.9396	-28.8062	-24.5468	-25.0321	-26.099	-30.0584	-27.4874	-24.6825	-22.4843	-23.6286	-20.4172	-21.1552
80	7.4063716	7.972677	7.573232	7.540554	6.163802	4.772996	5.128699	4.889398	3.343959	2.644729	2.052726	-0.28424	-3.9887	-5.85568	-10.0748	-22.7397	-17.5868	-18.5671	-17.9768	-22.121	-21.3274	-20.6827	-19.5746	-29.9626	-25.0613	-22.4719	-34.27	-36.2062	-24.89	-22.5039	-22.1102	-23.393	-27.7252	-21.0495		
85	7.4063716	7.992675	7.564769	7.610595	6.28128	4.857515	5.192789	4.948545	3.402585	2.647301	2.050033	0.020099	-0.87688	-2.06616	-5.46371	-5.79654	-7.27731	-15.6281	-14.1523	-13.0974	-23.1307	-18.1946	-20.3807	-20.1225	-20.7323	-25.2237	-27.6351	-20.9716	-24.0744	-31.546	-32.8353	-31.5048	-21.9543	-23.4064	-25.9899	-20.845
90	7.4063716	8.008965	7.55701	7.65077	6.402834	4.923438	5.136649	4.805911	3.827724	2.647065	2.130369	0.570407	-0.362899	-2.90606	-4.8715	-5.49076	-6.89545	-13.3085	-12.737	-12.6478	-24.9137	-19.0391	-18.6889	-28.2567	-21.1868	-22.3213	-31.9775	-19.4972	-25.1248	-26.8052	-24.316	-20.8594	-21.7875	-23.3151	-24.4058	-20.9646
95	7.4063716	8.022978	7.552677	7.729357	6.524462	5.005152	5.053186	4.576493	3.080044	2.669592	2.359692	0.205932	0.25333	-0.85842	-4.82513	-6.97922	-8.30702	-16.2382	-14.2452	-14.6524	-29.9085	-19.3085	-19.9069	-17.1735	-30.6035	-22.7449	-29.4907	-18.8477	-27.1958	-24.2972	-24.9178	-20.1307	-21.7809	-22.9814	-23.1601	-20.9499
100	7.4063716	8.035523	7.553727	7.768927	6.639678	5.130339	5.042388	4.405882	2.88712	2.676432	2.395109	0.570333	-0.65253	-2.57371	-6.84038	-5.79446	-7.58855	-13.1917	-13.1911	-13.5623	-24.9006	-17.8098	-19.8094	-34.3631	-31.9815	-23.7135	-28.2153	-20.0092	-30.7077	-23.4248	-24.5165	-19.6487	-22.3382	-22.5264	-22.2401	-21.0825
105	7.4063716	8.047596	7.561464	7.790875	6.740811	5.340205	5.157103	4.410501	2.841518	2.642033	2.232231	0.264789	-0.98855	-2.97177	-6.84038	-5.43389	-7.64795	-18.0115	-11.2248	-11.7691	-23.2132	-15.7575	-18.205	-26.2653	-18.5746	-23.8861	-29.0306	-22.928	-29.1929	-23.1469	-24.0422	-19.8715	-23.7421	-22.1248	-21.6361	-21.2341
110	7.4063716	8.057848	7.576588	7.794636	6.826371	5.507006	5.375662	4.607781	3.109774	2.642033	1.759405	-0.77874	-1.81807	-3.18007	-4.84038	-6.86296	-10.5506	-11.7691	-12.6022	-14.5914	-17.8035	-25.052	-18.2299	-25.0444	-28.731	-26.0821	-24.9121	-22.5846	-24.368	-20.9754	-25.566	-21.8626	-21.3256	-21.4566		
115	7.4063716	8.069125	7.599143	7.781679	6.873104	5.703467	5.623685	4.885941	3.416337	2.873688	1.496658	-1.71972	-1.28334	-2.62019	-8.09969	-5.65823	-6.92824	-15.6552	-10.951	-12.3763	-19.7008	-15.059	-20.3076	-24.6132	-19.1009	-25.5738	-29.2752	-26.9755	-23.0311	-22.4963	-25.4868	-22.7338	-26.8926	-21.7527	-21.2766	-21.7567
120	7.4063716	8.078004	7.62393	7.75432	6.892268	5.856711	5.808412	5.068642	3.729441	2.836791	1.832616	-1.8255	-1.05429	-2.03849	-7.19137	-8.57969	-10.2677	-18.9875	-11.7691	-12.3767	-17.4977	-17.4977	-20.1343	-26.5647	-19.819	-22.4569	-28.2242	-24.7547	-22.093	-23.7099	-26.9451	-24.5092	-26.1682	-21.7875	-21.4478	-22.1411
125	7.4063716	8.084415	7.66266	7.714353	6.871626	5.93982	5.879971	5.037211	3.734417	3.621755	2.353478	-1.56431	-1.4206	-2.25239	-7.68962	-5.70816	-6.68152	-16.6684	-10.397	-11.2275	-24.5614	-16.7319	-17.0603	-26.5535	-18.8699	-19.8472	-24.3618	-22.2875	-20.5888	-25.0945	-28.3043	-25.8848	-25.1863	-21.9567	-21.7882	-22.6169
130	7.4063716	8.08711	7.69949	7.662327	6.80925	5.940434	5.838061	4.813167	3.348883	3.474505	2.388278	-1.68402	-2.2669	-3.34906	-10.40219	-7.54818	-9.22003	-18.3881	-11.8815	-13.3767	-19.5658	-15.5531	-20.2606	-24.0438	-18.1598	-17.9057	-22.6417	-21.4663	-18.619	-24.2278	-29.4188	-27.0126	-24.7891	-22.2385	-22.243	

Raw data – ANT9 (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	6.8009543	6.65965	6.005129	6.009539	5.20178	4.441732	3.760706	2.709778	1.319163	0.051146	-1.39846	-2.94814	-3.66306	-4.37837	-5.55455	-6.84729	-10.3035	-13.046	-15.159	-18.254	-21.326	-20.519	-19.499	-19.460	-25.755	-32.5836	-31.6585	-25.1277	-23.8884	-19.6071	-22.0545	-18.4667	-17.4657	-21.5332	-22.2362		
5	6.8009543	6.728628	6.711368	6.189229	5.230254	4.354105	3.556086	2.579928	1.522775	0.323843	-1.49053	-3.08244	-4.15105	-4.69935	-6.69194	-9.79926	-11.1109	-12.2996	-12.7343	-13.8022	-17.621	-20.299	-22.5644	-18.4847	-26.299	-25.4538	-26.9793	-23.9484	-18.5825	-21.2818	-19.6849	-17.9276	-19.6855	-22.0906			
10	6.8009543	6.797285	6.819298	6.246208	5.216886	4.279988	3.446844	2.586019	1.825898	0.696161	-1.57651	-3.50071	-6.2392	-6.92794	-8.84532	-11.6329	-13.9365	-16.3458	-17.0298	-15.713	-17.0718	-22.085	-26.779	-24.4112	-19.4319	-24.9486	-28.4892	-22.2389	-23.6977	-23.6943	-18.6301	-21.165	-21.6803	-18.5156	-18.1287	-21.6255	
15	6.8009543	6.86419	6.910104	6.276015	5.178145	4.258664	3.506349	2.71974	2.027501	0.93767	-1.51228	-3.40563	-6.93065	-11.4706	-14.8819	-14.9598	-14.5499	-16.9037	-15.0071	-10.0114	-20.381	-21.104	-21.9293	-24.2312	-19.0482	-23.7614	-26.5689	-22.7783	-21.6369	-21.0041	-19.0384	-21.8481	-24.6576	-18.9461	-18.6607	-20.9938	
20	6.8009543	6.928177	6.990855	6.289431	5.137448	4.314681	3.766588	3.014773	2.068647	0.714075	-1.98125	-6.00309	-11.1344	-14.7663	-17.6446	-13.4052	-14.324	-19.9835	-22.8205	-22.5255	-24.4054	-26.1971	-22.4671	-22.4671	-24.9415	-26.1064	-25.8329	-23.748	-22.2818	-18.9594	-19.219	-22.877	-26.5328	-18.8916	-18.5448	-20.3253	
25	6.8009543	6.988297	7.063847	6.300274	5.106347	4.442072	4.188084	3.699582	2.902389	0.023951	-3.44036	-9.75833	-12.8484	-12.8484	-16.5719	-14.2915	-14.9513	-19.1963	-22.9694	-23.2991	-26.0241	-24.7362	-20.7815	-23.56	-26.8591	-24.4381	-26.085	-22.9857	-24.2991	-18.5035	-19.2823	-22.9889	-18.5079	-17.9007			
30	6.8009543	7.043827	7.131881	6.323055	5.108641	4.607784	4.654724	4.087322	3.200704	-0.707287	-5.20081	-11.2833	-9.7175	-7.7228	-10.8462	-14.6622	-21.0476	-23.3304	-18.7032	-20.7082	-28.8094	-23.5881	-19.8458	-23.6458	-20.9485	-20.2776	-25.1702	-23.2005	-11.5859	-16.5835	-19.6195	-21.5183	-20.7954	-17.4212	-14.4557	-19.1607	
35	6.8009543	7.094211	7.197545	6.370016	5.15283	4.764044	5.028671	4.589685	2.610309	-0.98911	-5.59934	-8.02294	-6.66988	-6.72679	-7.77363	-10.7441	-16.5812	-22.4357	-18.6799	-19.8582	-20.993	-25.111	-18.3192	-18.1946	-15.597	-19.6986	-25.7541	-21.2291	-25.7271	-22.2683	-20.2807	-19.7777	-18.3504	-16.6327	-14.0466	-18.7216	
40	6.8009543	7.139003	7.262609	6.451939	5.248488	4.878067	5.211734	4.835864	2.841418	-0.86271	-4.4912	-5.22545	-5.44396	-6.22682	-10.0318	-11.1611	-15.1686	-23.4632	-18.2975	-21.7413	-21.9607	-22.5518	-21.5825	-27.4747	-20.4092	-21.1154	-27.6692	-19.7817	-22.1601	-26.811	-20.8336	-18.5828	-16.8629	-16.1001	-18.5035	-18.3868	
45	6.8009543	7.177859	7.327302	6.570052	5.402208	4.946664	5.178206	4.76306	2.801939	-0.5559	-2.94625	-3.45417	-4.35787	-4.85713	-11.9986	-15.9976	-16.8236	-25.2789	-16.9372	-16.8785	-15.5352	-18.9895	-28.8965	-19.3191	-20.269	-23.1151	-28.596	-19.5233	-21.5447	-29.7492	-20.5655	-18.0832	-16.1893	-15.9424	-13.717	-18.153	
50	6.8009543	7.210506	7.391612	6.732315	5.616614	5.007208	4.978825	4.427924	2.534289	-0.23277	-1.74864	-2.85	-2.42794	-3.17713	-7.9479	-12.6598	-16.1947	-20.0373	-16.6012	-17.3293	-20.2717	-17.9628	-26.7632	-21.581	-21.2364	-24.3799	-26.5652	-20.5537	-22.5273	-24.0307	-19.4593	-18.1876	-16.1161	-16.1864	-13.7582	-18.0144	
55	6.8009543	7.23674	7.452356	6.901296	5.885589	5.096679	4.72301	3.99161	2.20566	0.00424	-1.0529	-2.90172	-5.48484	-5.5271	-5.66948	-7.90044	-11.7165	-14.4854	-20.9001	-16.801	-22.3639	-19.4143	-26.3123	-21.3798	-23.2894	-25.8319	-25.35	-22.0571	-23.0482	-20.3275	-18.4236	-18.7455	-16.5331	-16.8425	-13.8974	-17.9637	
60	6.8009543	7.25644	7.506457	7.091276	6.193441	5.252978	4.533228	3.659882	2.070035	1.55177	-0.68129	-2.2534	-2.2534	-2.2534	-6.33057	-7.91044	-10.9341	-13.3432	-16.3076	-19.1652	-12.0212	-20.7618	-26.4474	-21.7876	-22.2085	-25.7307	-24.2431	-22.171	-22.5622	-19.0007	-18.2659	-19.6209	-17.3116	-17.8974	-14.0921	-17.9941	
65	6.8009543	7.269583	7.548983	7.277455	6.516781	5.482225	4.483716	3.55592	2.293674	0.45878	-0.61713	-1.08007	-2.33578	-4.36389	-6.89736	-9.53172	-12.0885	-16.4177	-21.2435	-20.5197	-21.3283	-20.6508	-24.7351	-22.9763	-26.9735	-23.2921	-23.0154	-21.0847	-22.9599	-20.0296	-19.4933	-20.7379	-18.3231	-19.2737	-14.2409	-18.0094	
70	6.8009543	7.276282	7.578538	7.444099	6.8298	5.76373	4.574532	3.63536	2.770184	1.125815	-0.76068	-0.89533	-0.83605	-2.4008	-5.82039	-8.98343	-10.1937	-14.5134	-22.3006	-20.3298	-19.9888	-21.2589	-25.4781	-22.9918	-23.8023	-23.0773	-23.7669	-20.8755	-23.3593	-23.2144	-22.5687	-21.7744	-19.4542	-20.7026	-14.4426	-18.2753	
75	6.8009543	7.276814	7.588699	7.577236	7.109222	6.065365	4.763339	3.770097	1.917729	1.981265	-0.47194	-1.80024	-1.4327	-2.59705	-5.71025	-7.81375	-8.80617	-13.066	-19.3009	-19.7096	-18.0367	-23.1342	-26.5853	-22.3959	-23.7496	-26.5187	-29.1275	-23.14	-24.2915	-26.7134	-26.259	-21.9713	-20.6051	-21.5581	-14.511	-18.5192	
80	6.8009543	7.271651	7.577628	7.665777	7.33698	6.356624	5.05667	3.88516	3.350238	2.550293	0.377344	-2.26968	-3.13808	-4.75301	-6.76737	-9.7108	-9.75301	-14.72284	-23.8809	-23.8809	-23.4638	-27.2824	-29.1827	-30.7111	-24.5741	-24.1823	-23.5918	-20.9715	-21.6154	-21.2332	-21.6054	-21.4382	-14.886	-18.8311			
85	6.8009543	7.261479	7.543945	7.702058	7.500559	6.613309	5.264552	3.987129	3.222736	2.560174	0.946049	-1.59867	-3.89513	-6.22247	-8.92129	-10.3708	-12.78	-17.9478	-23.432	-23.3911	-23.4662	-24.7132	-24.57	-23.7911	-23.4662	-25.684	-23.1045	-29.7401	-22.8115	-21.2682	-20.1223	-19.6352	-22.3115	-20.0039	-14.3998	-19.2128	
90	6.8009543	7.247207	7.487982	7.682062	7.592085	6.817516	5.506893	4.100083	2.983849	1.22068	0.68844	-1.12524	-3.33937	-6.41115	-9.91809	-12.7817	-18.9206	-20.4912	-16.9291	-18.8121	-20.7096	-26.3859	-21.8164	-21.5113	-20.7096	-21.6799	-23.7834	-20.1897	-20.038	-18.6177	-17.8737	-22.421	-18.5733	-14.21	-18.5733	-14.21	-18.5733
95	6.8009543	7.229949	7.412011	7.605583	7.607271	6.956466	5.708118	4.223104	2.808082	1.591742	0.247847	-1.35615	-3.10857	-5.42353	-8.58743	-11.5566	-14.45	-18.1027	-19.8936	-19.4111	-18.7963	-19.1648	-25.0463	-26.7095	-27.1329	-21.9692	-22.5691	-18.5546	-20.2889	-18.8215	-18.5953	-20.2027	-17.329	-14.218	-20.1955		
100	6.8009543	7.210992	7.320358	7.476564	7.549445	7.02063	5.85557	4.352982	2.774454	1.271224	-0.18791	-1.5268	-2.72734	-4.96363	-6.3565	-8.6083	-14.8158	-18.8936	-19.3927	-16.7114	-17.2922	-22.9677	-21.9358	-21.5748	-22.1668	-23.093	-17.6805	-22.2443	-20.4621	-19.0206	-21.3996	-16.3851	-14.2186	-20.7528			
105	6.8009543	7.191736	7.219334	7.303659	7.407677	7.001895	5.939375	4.493372	2.923014	1.291498	-0.34069	-1.5704	-2.34039	-3.27591	-4.44428	-5.56501	-7.29774	-10.5478	-15.1196	-19.1376	-19.0099	-18.1934	-18.41	-21.049	-22.3203	-20.8099	-22.9781	-23.827	-18.4686	-26.4224	-22.1199	-19.7927	-20.8047	-16.7519	-14.3399	-21.4391	
110	6.8009543	7.173616	7.168874	7.100858	7.203762	6.89445	5.938632	4.614776	3.241925	1.759748	-0.03336	-1.6373	-2.52595	-3.42823	-4.68055	-5.73278	-7.32768	-10.3489	-13.7877	-17.2217	-17.4763	-17.1724	-16.6193	-19.439	-27.0038	-23.4801	-25.2841	-25.9897	-21.4395	-26.7728	-21.007	-20.4397	-20.5007	-15.4087	-14.5997	-22.0838	
115	6.8009543	7.158018	7.022015	6.887679	6.990252	6.700224	5.828742	4.640363	3.577267	2.504392	0.925231	-1.02319	-2.60267	-4.17758	-6.02591	-7.93434	-9.98986	-12.1888	-14.0388	-14.6683	-15.6599	-20.4348	-21.6299	-23.8704	-26.6513	-28.0465	-27.2573	-26.972	-25.7914	-22.0661	-19.2398	-21.45	-20.341	-15.5248	-15.015	-22.6302	
120	6.8009543	7.146173	6.981806	6.688144	6.675737	6.347347	5.601261	4.493147	3.682331	3.035335	1.876992	-1.01769	-2.56256	-3.59586	-5.78435	-7.89741	-9.46356	-11.9446	-15.1035	-16.2623	-17.2729	-20.6684	-24.042	-25.0139	-27.1227	-23.9511	-21.1067	-23.2241	-20.2836	-19.1826	-23.6146	-20.344	-15.5657	-15.067	-22.9326		
125	6.8009543	7.139009	6.890409	6.527708	6.420132	6.148207	5.286553	4.158019	3.441095	3.021918	2.176157	0.93485	-0.26226	-1.58492	-4.14629	-5.81003	-7.49914	-11.5955	-17.0634	-18.9049	-20.4798	-23.6934	-23.0904	-23.4008	-29.8579	-24.3164	-20.9484	-18.1249	-21.4426	-21.8936	-21.6998	-27.6494	-19.7988	-15.7848	-16.223	-22.8469	
130	6.8009543	7.137466	6.867806	6.428562	6.228214	5.897178	4.967138	3.727073	2.941682	2.547817	1.80641	0.851947	-0.77175	-1.89947	-3.93963	-5.51229	-7.33417	-11.9725	-13.2707	-19.9992	-17.7306	-22.7126	-22.0209	-23.4987	-28.1397	-20.0618	-18.1708	-23.1589	-26.4388	-26.9497	-27.795	-19.6109	-16.229	-16.8932	-22.3255		
135	6.8009543</																																				

Raw data – ANT9 (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	6.1799323	5.866322	5.98481	5.799572	5.271117	5.029667	4.726921	3.789932	2.97045	2.168177	-0.20388	-3.16412	-4.37155	-4.72444	-8.25957	-8.71471	-11.366	-16.2001	-13.2504	-12.8064	-19.4605	-32.6375	-23.1837	-20.8902	-22.7766	-20.233	-27.6316	-26.053	-27.0813	-32.9391	-20.0756	-18.1068	-16.335	-16.8065	-17.9797	-17.2963	
5	6.1799323	5.954712	6.00148	5.709925	5.258001	5.167836	4.94853	4.00113	2.861306	1.722297	-0.57342	-3.4856	-4.00026	-5.44117	-7.89312	-8.714	-11.3767	-12.8744	-13.4312	-12.9547	-15.8609	-19.9688	-20.0777	-21.4797	-19.7611	-21.2072	-24.0713	-23.8463	-25.7505	-27.8482	-19.7638	-17.9637	-16.9076	-18.4936	-17.4661		
10	6.1799323	6.046427	6.053154	5.687685	5.335822	5.394122	5.204854	4.153351	2.714699	1.359628	-0.73131	-3.07993	-3.56368	-4.9991	-7.53606	-7.04356	-9.36271	-10.90459	-11.7139	-12.8859	-15.8231	-16.9944	-17.1698	-20.4257	-22.9234	-20.3518	-19.4598	-27.5221	-26.4524	-22.9433	-18.9899	-17.1075	-16.7167	-19.454	-18.908	-18.1036	
15	6.1799323	6.140565	6.132214	5.736205	5.400005	5.666323	5.379768	4.079745	2.280035	0.792182	-0.89433	-2.25439	-2.53005	-3.25405	-5.72935	-7.01976	-8.26804	-10.70059	-12.0291	-12.8755	-16.9707	-17.0538	-18.7355	-22.0914	-23.9764	-19.3823	-21.0661	-25.0581	-21.1601	-17.7241	-17.4185	-17.9613	-20.8151	-18.2119	-18.6236		
20	6.1799323	6.236027	6.238889	5.849771	5.693465	5.856682	5.375841	3.662428	1.384886	-0.16071	-1.23793	-1.68656	-2.14728	-2.38209	-4.31007	-6.07518	-8.7314	-13.9347	-15.1099	-13.6307	-15.8495	-21.3448	-21.9168	-21.6197	-19.5946	-21.969	-21.8751	-18.9562	-22.0079	-20.8953	-16.713	-17.7168	-19.9069	-21.1125	-19.2399	-19.2605	
25	6.1799323	6.331556	6.363839	6.016423	5.917709	5.985588	5.158409	2.882281	0.505451	-1.31513	-1.66568	-1.64739	-2.16078	-2.16078	-4.16078	-6.88366	-8.76655	-14.9789	-16.7617	-15.8848	-20.0529	-24.3004	-21.9082	-21.2975	-19.0948	-21.9798	-22.9043	-19.3785	-21.1766	-21.4215	-16.3007	-17.7314	-21.9177	-20.0535	-18.9701	-19.9949	
30	6.1799323	6.425788	6.514303	6.221316	6.145646	6.034732	4.775307	1.862672	-1.3916	-2.04091	-1.85071	-2.05289	-2.41328	-2.47318	-4.64542	-11.8138	-11.9713	-16.6878	-23.7167	-26.9841	-22.0655	-24.0885	-31.5178	-19.5936	-18.2102	-21.3343	-24.2425	-22.2508	-22.5701	-22.0794	-16.5433	-17.4915	-22.2376	-18.479	-18.5267	-20.8487	
35	6.1799323	6.517139	6.669378	6.44917	6.371239	6.042374	4.352764	0.910539	-2.20763	-1.61621	-1.26382	-2.3655	-3.42562	-4.54327	-11.7077	-16.6015	-18.7802	-19.1751	-26.9841	-27.2832	-18.0866	-23.6028	-23.0225	-18.8213	-22.317	-28.3336	-25.9988	-24.1795	-22.2233	-17.4668	-17.2308	-20.7654	-17.1608	-18.0852	-21.835		
40	6.1799323	6.604773	6.826227	6.685391	6.594068	6.05976	4.047671	0.409499	-1.92053	-0.31755	-0.055447	-1.8965	-4.54201	-6.07223	-7.61712	-10.01	-13.9525	-23.2008	-29.6375	-26.2623	-16.4697	-18.3171	-20.1648	-24.568	-18.6034	-20.1223	-27.1717	-24.6659	-24.0216	-21.9374	-19.1284	-17.155	-19.2669	-16.3019	-17.6557	-22.966	
45	6.1799323	6.686863	6.977869	6.916421	6.81189	6.121909	3.955814	0.490288	-1.03438	0.888395	1.226263	-0.90307	-0.98429	-0.81022	-0.70673	-12.035	-13.1833	-17.7036	-20.9077	-25.7878	-16.8848	-19.2034	-22.6928	-22.4135	-21.7047	-20.4553	-26.7536	-23.0004	-23.7681	-21.1337	-21.3507	-17.3318	-18.5683	-15.9189	-17.369	-24.247	
50	6.1799323	6.762448	7.118134	7.130001	7.01645	6.229663	4.0528	0.931761	-0.1227	1.604629	1.749495	-0.41248	-2.37184	-1.51846	-0.61938	-13.05	-13.9032	-16.0714	-17.6822	-20.7694	-16.0956	-16.0141	-26.1791	-22.022	-27.0049	-22.0483	-25.3791	-21.6044	-22.8486	-19.5771	-23.0643	-17.7015	-18.692	-15.9589	-17.1894	-25.6608	
55	6.1799323	6.830585	7.21915	7.315708	7.194426	6.35486	4.234024	1.428657	0.599365	1.946884	1.706626	-0.11036	-3.13129	-2.56289	-8.666	-13.8472	-12.2924	-14.1356	-20.237	-20.5262	-17.3315	-15.6914	-28.3532	-23.5002	-28.7043	-21.8787	-23.651	-20.724	-21.6485	-18.2878	-23.4007	-18.1393	-19.701	-16.3136	-16.7108	-22.1266	
60	6.1799323	6.890556	7.354507	7.465677	7.331729	6.460439	4.397027	1.776011	0.980465	2.029461	1.489425	-0.7531	-1.89661	-3.75551	-9.20379	-15.2912	-12.3655	-13.6455	-20.6067	-19.7176	-20.2595	-18.0053	-22.8682	-21.5246	-25.239	-21.3781	-25.6339	-21.889	-22.1874	-18.2337	-23.7155	-18.5257	-21.6794	-16.7878	-17.0065	-28.447	
65	6.1799323	6.9419	7.426014	7.575208	7.418015	6.51832	4.488271	1.908071	0.9151	1.751313	1.353788	-0.81793	-2.84236	-5.06601	-9.56716	-12.5172	-12.2538	-22.4047	-22.8769	-21.0023	-23.1386	-21.2142	-22.1182	-21.1682	-27.9961	-23.7548	-24.5436	-19.6971	-24.74	-18.7895	-24.6615	-17.0986	-16.9292	-17.2567	-25.67		
70	6.1799323	6.984417	7.482469	7.643001	7.449408	6.516912	4.508136	1.885356	0.44994	0.964809	0.936006	-0.28286	-1.8674	-3.6795	-5.99373	-8.10313	-10.4754	-15.3481	-19.9737	-19.5622	-17.3113	-18.3417	-22.5882	-23.1236	-22.0034	-22.7545	-25.2346	-22.9052	-25.6513	-22.5735	-24.458	-18.9246	-27.3943	-17.0173	-16.8487	-29.2605	
75	6.1799323	7.018173	7.514649	7.67091	7.429223	6.460482	4.498393	1.874899	0.18333	-0.35362	-0.20295	-0.58785	-1.28414	-2.49765	-4.08462	-5.56154	-7.94776	-12.6215	-15.0306	-14.0585	-14.4477	-18.2864	-22.9365	-27.9818	-21.5706	-25.2074	-25.1394	-23.0465	-25.4266	-26.5031	-21.6314	-18.9815	-26.2014	-16.5795	-16.7949	-28.5562	
80	6.1799323	7.04349	7.523417	7.663255	7.367333	6.364776	4.518458	2.115948	0.36647	-1.77451	-1.9649	-1.80969	-1.76748	-2.5694	-4.07487	-5.50155	-9.73084	-12.0683	-13.3666	-12.6465	-14.7555	-21.644	-24.5444	-27.2152	-19.0359	-23.6192	-26.8515	-24.7099	-25.8033	-29.5629	-18.6704	-19.0043	-23.2324	-16.0435	-16.8183	-27.5117	
85	6.1799323	7.069021	7.510432	7.625816	7.278681	6.251592	4.601284	2.706979	0.575752	-1.63954	-3.10481	-3.12699	-2.55765	-3.15593	-5.17781	-7.07688	-9.52049	-12.9906	-14.1474	-13.2967	-15.0597	-18.6688	-24.9919	-20.3137	-19.7551	-23.7139	-25.3493	-22.1402	-23.6369	-26.5216	-16.4859	-19.0036	-20.9777	-16.5035	-16.0271	-17.8212	-24.5106
90	6.1799323	7.071233	7.477967	7.564666	7.180877	6.144782	4.718445	3.141651	2.051562	0.254142	-1.91733	-3.03658	-2.61562	-3.21612	-5.2834	-6.90122	-9.15986	-12.9082	-14.8632	-14.1842	-14.988	-18.3754	-21.4181	-19.9802	-18.9727	-22.3678	-24.3309	-19.2394	-20.8321	-22.7699	-15.1243	-19.0669	-19.5839	-15.6289	-17.3018	-25.4315	
95	6.1799323	7.07536	7.428774	7.485091	7.090576	6.096613	4.812321	3.895863	3.097375	1.873896	-0.14967	-1.94816	-2.83007	-3.00846	-4.65978	-5.94417	-7.13139	-11.5188	-14.0078	-13.8978	-15.016	-18.0838	-21.4181	-19.9802	-18.9782	-22.3678	-24.3309	-19.2394	-20.8321	-22.7699	-15.1243	-19.0669	-19.5839	-15.6289	-17.3018	-25.4315	
100	6.1799323	7.074372	7.366018	7.390861	7.018794	6.051547	4.872685	4.044675	3.41208	2.584927	0.772186	-1.2874	-2.33514	-3.77654	-5.87722	-6.68967	-8.46908	-12.0892	-13.8762	-13.4768	-16.9687	-18.7478	-21.7034	-20.7029	-19.7006	-21.3493	-25.3719	-19.9516	-19.8887	-20.8243	-15.1627	-20.6673	-18.9627	-16.9215	-18.506	-23.7778	
105	6.1799323	7.069422	7.29327	7.284109	6.966606	6.105688	4.964836	4.021643	3.246426	2.63737	0.890991	-1.2084	-2.32597	-3.14658	-4.76612	-5.99084	-8.7473	-14.0879	-16.2185	-16.2185	-16.2185	-18.7478	-21.7034	-20.7029	-19.7006	-21.3493	-25.3719	-19.9516	-19.8887	-20.8243	-15.1627	-20.6673	-18.9627	-16.9215	-18.506	-23.7778	
110	6.1799323	7.061692	7.214527	7.165939	6.923862	6.218531	5.159243	4.110157	3.394904	2.534239	0.68318	-1.23578	-1.92632	-3.17656	-4.61236	-5.80431	-9.00119	-11.6337	-14.9844	-16.2844	-20.4201	-21.8871	-21.364	-18.0058	-20.1946	-23.2213	-23.6467	-18.7801	-24.9973	-25.077	-20.3158	-28.1053	-21.1767	-20.3889	-19.897	-22.6129	
115	6.1799323	7.052337	7.134218	7.037609	6.872988	6.342101	5.427647	4.429427	4.228638	3.552122	2.100072	0.828054	0.681526	-0.14037	-2.43787	-3.94277	-5.63746	-9.04328	-11.8833	-12.345	-14.5636	-18.4695	-22.5538	-21.5246	-18.9416	-21.7991	-21.1989	-18.8077	-26.4757	-20.8087	-21.8847	-24.7617	-25.3804	-22.9442	-20.8002	-21.8338	
120	6.1799323	7.042462	7.057123	6.901092	6.797048	6.416136	5.645207	4.779427	4.228638	3.552122	2.100072	0.828054	0.681526	-0.14037	-2.43787	-3.94277	-5.63746	-9.04328	-11.8833	-12.345	-14.5636	-18.4695	-22.5538	-21.5246	-18.9416	-21.7991	-21.1989	-18.8077	-26.4757	-20.8087	-21.8847	-24.7617	-25.3804	-22.9442	-20.8002	-21.8338	
125	6.1799323	7.032857	6.988181	6.764216	6.688278	6.4024	5.702008	4.911807	4.516561	4.081547	2.927173	1.80294	1.491686	0.27598	-2.28766	-3.57452	-4.67148	-9.39527	-12.0437	-12.9887	-17.4051	-22.4331	-24.8773	-26.6909	-21.6215	-23.6437	-19.5935	-17.1863	-23.039	-18.0287	-19.2645	-20.9219	-25.0369	-21.6267	-19.5801	-21.3719	
130	6.1799323	7.024353	6.932139	6.652529	6.552841	6.307549	5.59057	4.740075	4.406223	4.138427	3.136743	1.829493	1.55271	0.60197	-0.59919	-3.55915	-6.84801	-10.6865	-13.7033	-13.9674	-23.379	-27.9904	-26.0242	-26.6125	-25.9745	-21.9324	-18.4881	-2									

Raw data – ANT9 (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	6.0064192	6.108777	6.727768	6.544717	5.775444	5.787879	5.909031	4.636665	2.798251	1.863151	0.11778	-2.9188	-3.7467	-5.1002	-6.6601	-10.4923	-11.5514	-14.8948	-12.19	-12.4319	-18.0666	-20.364	-16.4932	-19.3812	-19.115	-120	125	130	135	140	145	150	155	160	165	170	175
5	6.0064192	6.154368	6.66925	6.437759	5.830484	5.846198	5.713888	4.080886	1.620426	1.018773	-1.72554	-4.28221	-6.46958	-9.27884	-9.56283	-8.90332	-9.77084	-15.8227	-15.3123	-13.4445	-15.7043	-20.9569	-17.1658	-22.4635	-23.9476	-22.3146	-23.2729	-19.7125	-24.13	-19.1172	-18.5886	-17.7474	-16.895	-16.2733	-20.0241	-20.7103	
10	6.0064192	6.197828	6.616245	6.521514	5.897049	5.934574	5.492137	3.564985	1.075498	-1.70108	-3.36928	-5.05134	-7.14797	-9.59889	-8.91174	-8.32966	-8.09711	-11.0729	-14.0088	-15.3552	-17.3401	-21.7328	-18.4656	-22.6215	-20.6993	-16.6558	-18.5581	-18.0515	-20.3578	-21.6741	-19.6909	-18.6738	-17.2763	-18.8373	-24.9405	-21.3818	
15	6.0064192	6.240041	6.575797	6.29787	6.090413	6.055238	5.283299	2.56797	-1.4658	-3.21882	-4.03888	-4.7284	-5.95739	-8.45033	-7.05632	-8.75561	-6.68862	-12.0022	-13.4146	-17.3101	-21.5233	-18.0663	-18.7154	-20.8404	-23.3487	-18.6425	-22.7135	-22.2755	-21.5513	-18.9406	-18.3886	-17.885	-17.8022	-24.4887	-22.1594		
20	6.0064192	6.281777	6.555628	6.280394	6.127782	6.182204	5.133759	1.800692	-3.03928	-3.61883	-3.19694	-3.67464	-4.8002	-7.13958	-4.11501	-5.1521	-6.90144	-11.9507	-14.4448	-14.3333	-15.0506	-22.0242	-20.9696	-20.2018	-20.4909	-25.9184	-20.7489	-22.7272	-21.4504	-19.3889	-17.8704	-17.333	-18.9097	-19.3553	-22.8041	-23.0637	
25	6.0064192	6.323597	6.553512	6.300828	6.248015	6.275393	4.984585	1.155855	-1.10683	-2.81179	-1.59074	-2.26693	-3.0955	-4.47776	-6.38284	-7.86628	-8.93995	-14.3721	-25.0787	-21.3859	-18.0066	-22.7177	-28.9605	-26.3858	-19.8954	-19.4511	-20.5421	-20.3609	-22.7274	-26.0798	-17.3701	-16.2121	-20.377	-18.365	-20.8909	-24.1213	
30	6.0064192	6.367515	6.570911	6.357259	6.35151	6.322734	4.799049	0.630616	-1.1954	-1.56108	-2.3403	-2.52774	-3.47799	-4.72778	-12.1772	-13.7182	-13.2146	-17.9805	-24.5708	-21.8917	-20.297	-22.7339	-28.0832	-27.3925	-19.4539	-24.3208	-24.9918	-17.6288	-15.5802	-17.0637	-17.0163	-15.8207	-15.2187	-15.3045			
35	6.0064192	6.408212	6.622945	6.44631	6.434537	6.251811	4.549309	0.283373	-3.18234	-0.41659	0.256278	-1.26233	-2.99582	-4.44971	-7.1304	-12.7766	-13.0202	-23.7276	-26.1527	-26.0416	-23.7826	-24.1112	-28.1432	-27.9565	-20.1118	-21.9492	-22.5565	-21.8346	-25.2511	-21.5913	-18.5735	-15.5439	-20.6548	-15.7576	-17.9758	-26.8626	
40	6.0064192	6.450818	6.688628	6.563895	6.505797	6.139878	4.252611	0.245765	-1.54225	0.605844	0.484771	-1.06302	-5.16705	-7.02529	-8.83344	-10.2184	-19.7108	-24.2134	-24.2134	-24.3572	-20.2139	-21.2928	-22.2262	-23.8218	-25.8517	-19.4559	-28.2452	-18.1802	-22.177	-17.357	-18.7142	-14.0155	-16.5292	-16.3277	-17.3015		
45	6.0064192	6.493003	6.769321	6.70497	6.581521	6.005217	3.961778	0.507062	-0.08455	-1.386177	0.733675	-2.29853	-6.29697	-9.2804	-12.9226	-13.971	-12.2816	-14.4733	-17.9223	-19.5853	-20.7098	-19.7505	-22.115	-17.0824	-21.5858	-19.9782	-26.4823	-20.6998	-25.8503	-18.5005	-21.2694	-16.6631	-18.9228	-14.219	-16.5349	-30.9452	
50	6.0064192	6.534098	6.859292	6.86282	6.677595	5.898374	3.741066	0.879987	0.83754	1.818551	0.983698	-1.64608	-4.38297	-7.96765	-13.6313	-17.6145	-15.775	-15.5844	-18.7239	-19.3423	-18.4637	-18.7174	-16.3819	-22.2265	-23.8218	-25.8517	-19.4559	-28.2452	-18.1802	-22.177	-17.357	-18.7142	-14.0155	-16.5292	-16.3277	-17.3015	
55	6.0064192	6.573317	6.952299	7.028694	6.801717	5.863682	3.648484	1.225992	1.369691	2.111291	1.165448	-1.36073	-3.04442	-6.06884	-14.9687	-18.0513	-19.1881	-15.9457	-20.1592	-19.479	-17.5791	-14.0724	-22.118	-18.6216	-24.5152	-25.5612	-24.2483	-18.4085	-25.6367	-18.0359	-21.6223	-17.9777	-19.2136	-14.1625	-16.3277	-16.2631	
60	6.0064192	6.609848	7.04215	7.192306	6.949456	5.920291	3.718198	1.555475	1.748565	2.507027	1.527352	-1.59837	-3.63611	-6.38249	-17.0091	-20.1454	-23.4195	-17.0049	-22.2611	-19.5013	-19.3622	-16.4677	-21.413	-22.5365	-27.9349	-23.0853	-26.0356	-18.7007	-23.523	-18.3228	-21.9267	-18.568	-20.617	-14.5913	-16.592	-16.1054	
65	6.0064192	6.642929	7.123157	7.343067	7.106208	6.053917	3.939502	1.898284	2.000395	2.87119	2.162673	-0.97546	-4.89436	-9.3225	-21.5864	-23.2559	-24.5896	-19.6058	-29.7669	-22.4519	-21.6508	-17.6846	-20.966	-21.4667	-22.6646	-21.2894	-29.6172	-19.9796	-23.6621	-19.6075	-23.1174	-19.1217	-22.1388	-15.1767	-17.055	-33.3123	
70	6.0064192	6.671916	7.190489	7.471514	7.253303	6.225986	4.255705	2.248843	2.017887	2.8704	2.589698	0.409126	-3.0081	-6.63333	-9.49566	-12.1443	-14.4321	-17.4936	-22.5291	-26.026	-19.9926	-24.9907	-22.574	-21.9122	-22.0049	-25.1305	-20.4171	-24.7908	-22.4462	-24.6125	-19.5525	-22.9235	-15.7421	-17.6807	-30.4428		
75	6.0064192	6.696343	7.240392	7.570347	7.374431	6.392709	4.590006	2.590409	1.757352	2.250307	2.238014	0.911398	-1.28248	-3.56093	-5.45282	-7.36616	-8.92335	-14.0979	-17.0005	-18.5059	-16.6845	-19.0539	-28.072	-25.8082	-21.9366	-24.3	-24.3006	-20.7491	-26.0143	-27.7288	-24.2246	-19.891	-21.737	-16.1357	-14.3847	-28.0975	
80	6.0064192	6.715963	7.270292	7.634799	7.45941	6.521219	4.876036	2.920096	1.368808	0.952642	0.799857	-0.01086	-1.38841	-3.19296	-5.18464	-7.3053	-10.1727	-14.4469	-16.0082	-17.4858	-16.6918	-20.3566	-22.604	-22.347	-23.0191	-25.1022	-23.139	-27.7013	-33.3067	-21.7436	-20.3381	-19.9909	-16.3531	-19.2848	-26.2147		
85	6.0064192	6.730779	7.278837	7.66239	7.504619	6.596733	5.074969	3.240046	1.238477	-0.44478	-1.46153	-2.10977	-2.78983	-4.24647	-6.79699	-9.53329	-12.1396	-15.7818	-18.7325	-18.0286	-17.6619	-19.31	-23.254	-25.8515	-19.4421	-23.1465	-29.2052	-26.9144	-28.4876	-27.5174	-19.2035	-21.0282	-18.5389	-16.5577	-20.1919	-24.6961	
90	6.0064192	6.741047	7.28878	7.65239	7.511109	6.621642	5.177216	3.518292	1.580996	0.654313	-0.73648	-3.82262	-4.08422	-5.29911	-7.9115	-9.77427	-11.782	-14.6219	-18.7838	-18.075	-17.3177	-18.9569	-23.4258	-26.678	-22.4544	-24.1888	-26.338	-22.5839	-17.3885	-21.8729	-17.8197	-15.7022	-17.0764	-23.5451			
95	6.0064192	6.747278	7.232456	7.605345	7.48196	6.609729	5.197649	3.689555	2.088057	1.078089	-2.01655	-3.65849	-4.10268	-5.0938	-6.85928	-7.6694	-9.2648	-12.8315	-16.3582	-16.984	-17.2754	-19.022	-21.7645	-21.6844	-22.3445	-28.1682	-25.2216	-21.2009	-24.0555	-21.8504	-16.5454	-22.7692	-17.6846	-17.787	-21.7633	-22.4147	
100	6.0064192	6.750205	7.259213	7.420254	7.457863	6.379285	2.43431	1.014409	0.87508	-2.7366	-3.77797	-5.25253	-6.60588	-8.15856	-10.2619	-13.7294	-14.44	-14.5823	-18.9688	-16.2614	-18.7826	-20.022	-21.8698	-21.6844	-22.6625	-25.212	-24.9008	-20.765	-23.0599	-22.023	-16.9255	-23.957	-18.0026	-19.1327	-17.9791	-21.6208	
105	6.0064192	6.750743	7.114288	7.480055	7.32834	6.542296	5.159796	3.716245	2.609745	1.576771	0.021355	-1.6396	-2.68077	-4.67543	-6.64124	-11.1695	-12.905	-16.8335	-18.8873	-17.0493	-27.9738	-23.9237	-27.7396	-24.9188	-22.4996	-24.492	-26.2423	-22.6747	-23.6833	-24.4977	-18.8945	-25.7233	-18.6805	-21.0066	-21.5424	-20.9691	
110	6.0064192	6.749934	7.037498	7.265422	7.208822	6.508866	5.202238	3.791494	2.791668	1.93393	0.492333	-0.96386	-1.68086	-3.41877	-5.10179	-6.92747	-11.1407	-14.0692	-16.2743	-18.009	-20.3677	-23.9062	-22.8826	-22.9258	-22.9187	-27.5742	-28.5538	-25.779	-26.4257	-26.372	-22.6088	-26.7078	-19.4919	-22.8873	-20.5923	-30.471	
115	6.0064192	6.748871	6.959595	7.101726	7.062942	6.47166	5.301836	4.017414	2.31324	0.870734	-0.44228	-0.8211	-2.1806	-5.19236	-7.04857	-8.41268	-11.1263	-14.6653	-15.8669	-17.0825	-21.3061	-21.4251	-21.9031	-19.7552	-20.2797	-27.2811	-23.2289	-28.0764	-21.1092	-23.8729	-24.4674	-20.0083	-23.2585	-19.459	-20.1161		
120	6.0064192	6.74862	6.876032	6.925869	6.897154	6.42251	5.158035	2.84665	1.528202	0.707058	0.142658	-1.1099	-4.00151	-5.67685	-7.24751	-11.0871	-13.1765	-14.6383	-15.071	-17.4537	-22.4059	-28.3074	-23.3071	-22.1968	-22.8721	-29.7879	-23.307	-27.7273	-20.6978	-21.4676	-20.1861	-21.7666	-18.4163	-19.8969			
125	6.0064192	6.750127	6.804524	7.168726	7.1718564	6.355389	4.87729	4.92066	3.917618	1.401980	2.200636	1.15519	0.068003	-0.36477	-3.20423	-4.58106	-6.1316	-10.2874	-13.6048	-16.6273	-18.2647	-22.3752	-24.0733	-23.6337	-25.2782	-22.5503	-19.072	-20.4217	-15.8748	-18.9339	-19.2185	-20.1019	-19.9749	-17.6054	-19.807		
130	6.0064192	6.754135	6.748162	6.825448	6.575813	6.221235	5.101498	4.902227	4.138215	3.222729	2.80991	1.602449	1.7355	0.00108	-0.03207	-4.33777	-6.25677	-10.6462	-13.5163	-14.6751	-19.5844	-20.3011	-25.0208	-21.9564	-24.1338	-24.1514	-26.721	-21.0828	-20.2397	-16.5419	-18.8235	-17.8281	-20.044	-18.6752	-17.0838	-19.8382	
135	6.0064192	6.761101	6.713006	6.440088	6.36																																

Raw data – ANT9 (6.475GHz)

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	5.5720956	6.000493	6.400252	6.203807	5.572198	5.622834	5.671548	4.005806	1.950313	1.553087	-0.188029	-0.713336	-4.37261	-13.1368	-28.0089	-40.4616	-44.8056	-46.6403	-45.8414	-43.1802	-39.7882	-35.1711	-30.2408	-25.1398	-20.0434	-14.9486	-10.0694	-5.2139	-0.4095	-0.3896	-0.3896	-0.3896	-0.3896	-0.3896	-0.3896	-0.3896	-0.3896	
5	5.5720956	6.043003	6.418953	6.102324	5.598736	5.666945	5.320712	3.29149	0.645882	0.066534	-1.48797	-4.66439	-10.39145	-19.8004	-31.1255	-45.0324	-51.1542	-52.6038	-49.9779	-41.448	-37.889	-32.8882	-26.9994	-24.3219	-24.7869	-20.4195	-15.2845	-9.97	-0.78473	-0.58321	-0.58321	-0.58321	-0.58321	-0.58321	-0.58321	-0.58321	-0.58321	
10	5.5720956	6.069767	6.345091	6.012394	5.668449	5.65307	4.847396	2.215759	-0.89367	-1.43574	-2.57555	-4.52024	-1.19524	-5.25809	-7.42937	-6.65243	-8.11955	-14.0723	-13.0469	-11.8236	-10.4895	-18.6425	-18.4079	-24.1564	-22.7967	-21.5859	-21.6319	-22.7427	-23.1767	-23.0342	-19.6601	-18.1465	-17.7851	-17.5395	-17.2513	-23.9395		
15	5.5720956	6.001306	6.277146	5.947621	5.752118	5.659545	4.408877	1.148072	-2.43514	-2.34075	-3.26085	-3.26085	-3.26085	-3.26085	-4.27411	-5.36044	-8.67566	-13.4628	-13.4628	-13.4628	-13.4628	-13.4628	-13.4628	-13.4628	-13.4628	-13.4628	-13.4628	-13.4628	-13.4628	-13.4628	-13.4628	-13.4628	-13.4628	-13.4628	-13.4628	-13.4628	-13.4628	-13.4628
20	5.5720956	6.10917	6.225321	5.91899	5.861332	5.708441	4.115736	0.205416	-3.71069	-2.20998	-1.93428	-2.71618	-3.02411	-4.67772	-6.69636	-12.1104	-13.6873	-17.1797	-17.0758	-16.1241	-20.2918	-24.5479	-18.9562	-19.0939	-22.6599	-22.7188	-18.069	-21.5846	-25.3939	-29.88	-20.0812	-15.6247	-16.8545	-19.0431	-17.1489	-23.5305		
25	5.5720956	6.124814	6.190475	5.9319	5.989084	5.812771	3.971951	-0.5488	-4.27294	-3.11223	-0.85059	-2.90886	-4.05383	-6.97583	-9.20331	-12.9709	-19.075	-18.4596	-19.7912	-24.882	-20.0338	-22.1687	-24.257	-19.0863	-19.1973	-26.4673	-28.9335	-20.9268	-15.9099	-17.7645	-16.8065	-17.9452	-16.2466	-23.2736				
30	5.5720956	6.139491	6.183231	5.985604	6.117366	5.903366	3.870761	-1.06557	-3.8177	-3.3786	-0.20002	-1.49955	-3.02557	-5.18752	-8.43836	-10.6775	-11.9713	-21.256	-20.1299	-20.0658	-21.5536	-22.0291	-23.065	-21.6277	-18.8853	-19.7946	-20.9689	-19.3643	-24.5304	-26.4956	-21.8399	-16.9822	-17.6901	-23.0704	-17.5688	-23.015		
35	5.5720956	6.154163	6.203448	6.074968	6.222609	5.924322	3.728969	-1.17812	-2.66695	-1.9539	-0.184491	-1.45902	-3.25557	-5.20527	-7.1169	-10.6775	-20.7045	-21.256	-20.1299	-20.0658	-21.5536	-22.0291	-23.065	-21.6277	-18.8853	-19.7946	-20.9689	-19.3643	-24.5304	-26.4956	-21.8399	-16.9822	-17.6901	-23.0704	-17.5688	-23.015		
40	5.5720956	6.169452	6.250138	6.193095	6.294991	5.848753	3.537268	-0.76071	-1.23374	0.607925	-0.03828	-2.36338	-4.56213	-6.86119	-9.87229	-11.5355	-13.082	-16.0133	-18.8329	-27.9446	-20.1153	-17.7549	-20.3941	-21.4005	-19.0444	-26.0276	-25.672	-26.5262	-28.1042	-23.0043	-19.9362	-19.0883	-17.8487	-22.4751	-18.237	-22.48		
45	5.5720956	6.185614	6.319807	6.333182	6.33991	5.692038	3.325671	-0.02428	0.101402	1.071393	-0.20813	-3.38815	-5.99471	-8.11243	-11.1921	-10.6499	-10.2061	-12.8695	-14.8325	-21.2755	-21.0795	-19.6036	-18.5432	-22.7982	-18.2387	-22.9803	-22.1222	-25.9665	-22.8705	-18.5582	-18.9243	-17.3977	-20.1322	-18.273	-22.1857			
50	5.5720956	6.202559	6.407063	6.488891	6.3755	5.504366	3.140989	0.664995	1.028902	1.443642	-0.05346	-2.77073	-5.04666	-9.09724	-16.3429	-17.6603	-13.3881	-14.4061	-16.4017	-17.0123	-17.0344	-18.5525	-18.6238	-22.4014	-21.0888	-24.5348	-22.8231	-21.7286	-24.4424	-23.2107	-19.758	-18.6856	-17.0686	-18.1986	-17.9729	-21.8715		
55	5.5720956	6.219897	6.505366	6.653673	6.423367	5.35456	3.04028	1.143815	1.540209	1.648842	0.160121	-1.59342	-2.94402	-8.1402	-25.9384	-19.8952	-19.1073	-18.5043	-20.4913	-19.007	-15.0774	-15.0774	-16.2488	-22.7072	-24.6564	-24.5381	-22.3005	-22.7468	-21.5851	-21.9794	-19.9571	-18.9669	-17.0686	-18.1986	-17.9729	-21.8715		
60	5.5720956	6.237003	6.607761	6.820019	6.497808	5.301923	3.083394	1.465849	1.83497	1.886366	0.244751	-1.62598	-2.2923	-6.09728	-17.6224	-18.4251	-24.4634	-19.0808	-22.1463	-20.1988	-17.6928	-18.0336	-21.2346	-24.2416	-24.1283	-24.8107	-22.2666	-22.178	-19.1149	-20.4759	-18.1616	-19.8217	-17.3642	-15.8453	-16.7002	-21.2446		
65	5.5720956	6.253105	6.707517	6.979397	6.593038	5.366659	3.289804	1.714	2.010621	2.69364	0.63856	-2.40309	-4.33221	-8.18478	-20.8269	-19.284	-25.061	-23.6285	-20.5678	-20.0707	-15.0774	-15.0774	-16.2488	-22.7072	-24.6564	-24.5381	-22.3005	-22.7468	-21.5851	-21.9794	-19.9571	-18.9669	-17.0686	-18.1986	-17.9729	-21.8715		
70	5.5720956	6.267366	6.798625	7.122953	6.715507	5.522877	3.615083	1.905144	1.952571	2.573023	1.401291	-1.75423	-5.61239	-9.1006	-11.7857	-14.3474	-18.0468	-21.9365	-25.6907	-25.8364	-20.7189	-22.1587	-22.0758	-20.9455	-19.5857	-23.6267	-28.3697	-25.3462	-21.3267	-24.39	-19.4766	-22.3317	-17.988	-14.9711	-15.4608	-20.7972		
75	5.5720956	6.278973	6.876164	7.242589	6.827588	5.719303	3.990561	2.049868	1.518573	2.84115	1.766503	-0.58858	-3.76579	-6.8085	-8.24933	-10.9798	-13.9226	-17.8603	-20.3704	-19.0532	-16.8258	-19.51	-23.5969	-26.7405	-24.2156	-28.0084	-25.7409	-25.3431	-24.0988	-30.218	-20.8538	-23.4938	-17.9762	-14.9811	-15.0674	-20.7151		
80	5.5720956	6.287206	6.963738	7.331947	6.917151	5.906155	4.359331	2.223247	0.754686	1.220411	1.143698	-0.37603	-2.50845	-4.98126	-8.11584	-11.218	-11.9156	-14.5922	-18.469	-17.868	-16.7115	-20.3141	-25.8771	-26.1494	-22.6755	-25.1538	-24.2502	-25.4956	-25.5609	-27.0541	-22.173	-24.2548	-17.9762	-14.9811	-15.4608	-20.7151		
85	5.5720956	6.291497	6.976987	7.387057	6.970577	6.04562	4.685076	2.523843	0.121077	0.52479	0.64714	-1.4635	-2.61682	-4.98126	-8.9026	-10.7673	-13.765	-16.5484	-20.8755	-20.888	-16.4472	-19.3088	-21.6461	-22.5988	-21.145	-22.3743	-22.3488	-24.6921	-28.7752	-23.6648	-22.0307	-24.2855	-17.9762	-15.8616	-14.8648	-20.7151		
90	5.5720956	6.291473	6.996005	7.406639	6.981067	6.115986	4.931652	2.951198	0.264675	-1.66149	-2.69713	-4.53573	-3.78993	-6.5903	-9.98392	-12.1566	-26.543	-21.8043	-20.4054	-15.048	-19.9509	-23.04	-24.6304	-23.0405	-27.4481	-22.2551	-22.7835	-20.7486	-21.9202	-20.3166	-23.79	-18.8317	-16.6872	-15.0459	-21.3744			
95	5.5720956	6.286981	6.996025	7.392089	6.949572	6.11289	5.06202	3.348076	1.008511	-1.02545	-2.74407	-4.48371	-3.98963	-6.5903	-8.98392	-10.9038	-13.765	-16.5484	-20.8755	-20.888	-16.4472	-19.3088	-21.6461	-22.5988	-21.145	-22.3743	-22.3488	-24.6921	-28.7752	-23.6648	-22.0307	-24.2855	-17.9762	-15.8616	-14.8648	-20.7151		
100	5.5720956	6.278097	6.976145	7.347086	6.884753	6.050355	5.069156	3.553425	1.678133	0.17208	-1.40331	-3.68483	-4.88281	-6.24497	-9.13865	-9.20111	-9.71494	-13.3459	-14.8654	-14.9894	-18.8664	-19.0128	-23.4608	-17.314	-18.2586	-23.2799	-23.3139	-20.5089	-22.0818	-21.3379	-18.3561	-24.3479	-20.727	-18.4257	-15.9398	-22.8967		
105	5.5720956	6.265119	6.985824	7.276736	6.800886	5.966687	5.001767	3.564692	2.028793	1.03349	0.27561	-2.25155	-3.25133	-5.0067	-9.17262	-10.3863	-12.9258	-13.9083	-15.8405	-15.8262	-19.0577	-17.5123	-23.9335	-18.8189	-19.4871	-22.3132	-22.8303	-19.6464	-25.7974	-22.447	-18.7335	-16.5928	-14.8648	-20.7151				
110	5.5720956	6.248553	6.88595	7.186519	6.71286	5.90626	4.900765	3.55162	2.211331	1.04063	0.34094	-1.12342	-1.4836	-3.08172	-6.69914	-7.91253	-9.2054	-13.8182	-17.3044	-17.8205	-21.2511	-21.0297	-21.2572	-20.8804	-17.4433	-24.6162	-26.3892	-19.4223	-25.293	-23.298	-23.5383	-24.4633	-23.8462	-18.4235	-17.3184	-25.7832		
115	5.5720956	6.228029	6.821506	7.080055	6.629446	5.899397	5.028403	3.697152	2.480317	1.829787	0.634022	-0.6397	-2.56406	-4.6397	-6.33576	-7.59269	-9.06121	-13.066	-16.0622	-16.4329	-15.039	-20.699	-21.4652	-20.969	-21.0011	-25.6309	-23.1217	-20.9615	-25.219	-21.3072	-28.4915	-20.5292	-24.0469	-17.7245	-18.0311	-27.9257		
120	5.5720956	6.207515	6.748771	6.90819	6.548402	5.84241	5.033463	4.005806	2.932973	2.330614	1.110384	-0.32186	-4.55431	-2.22123	-5.9155	-6.44536	-7.3963	-12.0626	-16.32	-14.4508	-13.594	-20.136	-21.5408	-25.3247	-24.483	-26.1986	-22.3949	-22.3881	-21.2319	-19.288	-22.0129	-17.5066	-23.3615	-16.5949	-18.6046	-30.393		
125	5.5720956	6.18476	6.671805	6.829259	6.457137	5.999709	5.412144	4.359455	3.448318	1.052163	0.205707	0.706542	0.674311	0.62184	-3.79923	-4.1427	-5.05661	-8.9094	-12.998	-13.5748	-17.2334	-23.6868	-19.6777	-22.9209	-20.6682	-31.0261	-22.8312	-21.9619	-19.6966	-18.7283	-17.9165	-15.9036	-22.9136	-16.2255	-18.8899	-31.5218		
130	5.5720956	6.161737	6.595302	6.688595	6.339632	6.022758	5.567362	4.584332	3.841883	1.711827	2.949334	-1.841262	1.91249	0.933331	-3.00695	-3.74965	-5.1179	-10.363	-12.6834	-15.6835	-22.5969	-17.6529	-23.6823	-30.5673	-22.4383	-23.638	-20.3403	-18.5488	-16.5993	-15.5418	-21							

Raw data – ANT9 (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	6.3912981	6.652364	6.951874	6.52555	5.534031	5.363527	5.602976	4.034795	2.068	1.219114	-0.01867	-4.61024	-8.18167	-7.77915	-12.4085	-8.48956	-8.85656	-12.925	-11.3436	-13.0545	-16.8061	-14.2004	-16.7415	-27.4453	-24.8597	-20.4656	-28.6709	-23.0998	-25.3881	-22.0231	-21.8727	-20.07	-17.4217	-19.9958		
5	6.3912981	6.651061	6.851062	6.399232	5.498859	5.230575	5.21542	3.982076	1.545671	1.013776	-1.34707	-4.07412	-6.72721	-8.90619	-16.0692	-12.0089	-14.7269	-21.374	-20.2006	-17.4504	-15.1404	-14.8005	-20.7276	-22.1251	-18.7571	-28.7983	-28.3798	-23.9927	-25.592	-19.3907	-19.8468	-19.7249	-22.1634	-20.4351	-20.0031	
10	6.3912981	6.678481	6.732451	6.20575	5.434468	5.029448	4.66753	2.973257	0.900533	0.407661	-1.61807	-5.23868	-6.56633	-7.28489	-10.7077	-10.1768	-11.0264	-17.185	-16.4425	-11.8178	-14.5709	-16.6552	-15.3027	-18.3321	-19.1532	-18.0247	-20.081	-23.6808	-22.268	-26.6687	-17.8014	-17.436	-18.7938	-17.2299	-21.2241	-21.9423
15	6.3912981	6.679002	6.603897	6.048303	5.392332	4.828033	4.051294	2.315984	0.87621	0.695664	-0.57523	-2.91301	-3.71568	-5.6431	-8.71737	-10.04634	-9.956	-10.5035	-16.7634	-16.0128	-15.9827	-17.2189	-18.3825	-19.4826	-17.989	-20.5296	-25.7429	-27.9772	-17.0398	-15.8609	-17.6288	-17.6687	-22.0322	-20.1161	-20.2112	
20	6.3912981	6.673707	6.475332	5.914444	5.389675	4.702982	3.500257	1.720091	0.993634	1.296371	0.391935	-1.52173	-2.60457	-4.5598	9.00043	-8.88855	-10.6667	-16.2063	-18.003	-17.9322	-23.384	-24.9972	-20.656	-19.5544	-22.8871	-21.8399	-16.8839	-17.6031	-29.3592	-28.5052	-16.9026	-15.0847	-16.7431	-18.4712	-22.7891	-24.383
25	6.3912981	6.664761	6.357868	5.821506	5.439863	4.695246	3.126204	1.178538	1.763717	0.770355	-1.55945	-3.31813	-4.84806	-6.89305	-10.7135	-14.4367	-17.1785	-18.2098	-18.8162	-29.9574	-26.0243	-27.5234	-22.5234	-18.3764	-16.8284	-22.2546	-24.5581	-17.4111	-14.9092	-16.7489	-19.5061	-23.1721	-25.6541	-21.7871	-25.6541	
30	6.3912981	6.654372	6.262485	5.78181	5.537411	4.793784	2.978757	1.013878	1.368898	1.992871	0.676964	-2.91301	-5.2948	-7.77988	-11.2409	-10.0596	-13.5561	-19.641	-16.0122	-15.4163	-23.482	-23.482	-25.9311	-21.6782	-22.7695	-20.9713	-21.8565	-18.5746	-20.0099	-22.2553	-18.541	-15.0781	-15.922	-20.3467	-22.7569	-26.6963
35	6.3912981	6.646467	6.198514	5.799665	5.663035	4.954387	3.015928	1.022999	1.478326	1.918019	0.273875	-1.43133	-6.98019	-11.6893	-12.5874	-20.7824	-19.3004	-19.9959	-18.7203	-18.3311	-26.9923	-24.2491	-24.3074	-21.4764	-22.7232	-22.1319	-21.6447	-21.3233	-22.3788	-19.6837	-15.2613	-16.0788	-20.2842	-21.7129	-21.7129	
40	6.3912981	6.637448	6.172294	5.871335	5.793969	5.127322	3.200004	1.289666	1.510019	1.639053	-0.22988	-3.72947	-7.05621	-10.2739	-13.8156	-13.4861	-15.8977	-16.5889	-17.9882	-26.205	-29.951	-25.168	-23.9557	-21.3751	-21.4524	-24.202	-24.1667	-22.9309	-24.5096	-23.4834	-19.5144	-15.2413	-15.7847	-19.1326	-19.9021	-26.8947
45	6.3912981	6.63428	6.18634	5.967602	5.912509	5.27378	3.611344	1.768836	1.621525	1.379381	-0.75369	-4.53629	-6.79219	-7.56968	-10.4438	-11.8344	-12.0243	-13.6666	-14.4511	-17.6823	-27.951	-26.6414	-23.5671	-20.0154	-19.2697	-21.381	-22.5538	-19.8531	-24.6795	-23.1942	-18.3596	-15.1486	-15.8023	-17.5273	-18.2781	-26.0444
50	6.3912981	6.6362	6.239273	6.137341	6.010184	5.369665	3.972722	2.346904	1.902729	1.283006	-1.07643	-4.58615	-6.321	-7.91725	-10.8003	-12.6222	-13.8389	-14.5231	-15.0452	-15.4668	-19.3623	-19.8257	-21.8083	-19.7696	-20.5148	-22.559	-23.6674	-19.0445	-23.226	-21.5907	-17.5815	-15.2962	-15.9033	-16.0347	-18.5998	-24.9716
55	6.3912981	6.643773	6.32643	6.310458	6.088505	5.411527	4.179922	2.891227	2.304182	1.448481	-0.85661	-3.207	-4.73904	-8.8164	-14.2672	-16.1923	-17.9024	-17.3047	-17.3064	-17.5756	-18.6874	-18.6778	-18.6778	-18.6778	-24.2166	-23.4455	-19.2474	-21.8404	-19.7556	-17.5506	-15.8612	-16.1043	-14.869	-15.7076	-23.9263	
60	6.3912981	6.657076	6.440884	6.499262	6.157505	5.412055	4.35012	3.326162	2.763188	1.920106	-0.38937	-2.74243	-3.02159	-5.52137	-9.68537	-9.08629	-14.7533	-26.0138	-22.676	-20.3484	-20.3133	-16.9275	-19.0016	-22.5382	-24.0339	-23.0521	-19.8374	-20.6434	-18.3599	-18.0379	-16.7795	-16.4879	-14.0682	-14.8267	-23.0262	
65	6.3912981	6.675734	6.574545	6.698246	6.32277	5.397913	4.447545	3.612731	3.148733	2.480371	0.16006	-5.5052	-4.04276	-5.05207	-8.40082	-9.16055	-12.7738	-18.9019	-18.9098	-17.7756	-19.4574	-20.2549	-19.9001	-21.8431	-23.5617	-26.9085	-21.7196	-20.8151	-18.0658	-18.9586	-17.8042	-16.944	-13.6116	-14.2048	-22.3143	
70	6.3912981	6.698996	6.719063	6.902772	6.329614	5.400395	4.494657	3.711961	3.249181	2.742793	0.769384	-3.25266	-5.7154	-6.56205	-10.2378	-12.3234	-14.2467	-17.8374	-17.9244	-17.5174	-21.386	-20.4564	-21.0854	-20.0477	-21.4181	-23.0153	-20.071	-23.2239	-22.3716	-19.1821	-20.5425	-18.6908	-17.4193	-13.4586	-13.8263	-21.8025
75	6.3912981	6.725837	6.866477	7.107555	6.457549	5.447228	4.521248	3.602075	2.948968	2.485678	1.103843	-1.64623	-4.19207	-6.42499	-12.1403	-16.7573	-15.3723	-18.7721	-19.0071	-18.3962	-20.8357	-22.6804	-22.6804	-23.9358	-24.6024	-25.2187	-22.5288	-24.253	-21.7378	-23.0466	-19.3382	-17.7781	-13.5584	-13.6768	-21.4922	
80	6.3912981	6.755058	7.099618	7.305735	6.615687	5.548068	4.563619	3.416465	2.327984	1.713769	0.793634	-0.65063	-1.84557	-3.92818	-8.4713	-10.0327	-9.86091	-14.3999	-19.0191	-19.4071	-21.2537	-24.8689	-21.5117	-21.8775	-22.8204	-22.7619	-22.8276	-22.7375	-26.9754	-25.6355	-24.8519	-19.642	-17.4297	-13.8533	-13.7458	-21.3831
85	6.3912981	6.785399	7.14238	7.489028	6.793019	5.697831	4.652895	3.241167	1.646062	0.645327	-0.20979	-1.94167	-1.12265	-2.07157	-8.8214	-5.89028	-6.27021	-12.6677	-15.1533	-16.6006	-17.3362	-19.1846	-17.4509	-18.7954	-23.2943	-23.3493	-22.6235	-24.8888	-33.4265	-29.2778	-22.4737	-19.453	-17.6981	-14.5824	-10.2029	-21.4765
90	6.3912981	6.815631	7.259909	7.648812	6.973024	5.880551	4.799303	3.205532	1.237066	-0.21913	-1.32337	-1.79047	-1.46727	-2.32768	-5.44171	-5.49108	-6.08989	-13.7593	-12.2574	-15.0035	-16.6064	-19.3575	-17.0249	-18.5548	-21.4635	-29.118	-23.2188	-27.7372	-28.0682	-27.5261	-19.272	-18.9346	-17.4743	-14.8073	-15.4125	-21.7766
95	6.3912981	6.844637	7.358748	7.777588	7.139543	6.080005	4.994775	3.24242	1.262797	-0.41019	-0.98219	-1.90829	-1.93638	-2.42413	-4.64016	-6.10186	-6.48049	-13.0823	-12.2658	-15.1657	-16.8808	-19.6439	-17.5164	-20.1051	-21.8775	-27.6537	-21.5708	-27.5084	-22.0532	-24.946	-17.2569	-18.5644	-17.7395	-15.391	-15.2055	-22.8584
100	6.3912981	6.871467	7.436933	7.870203	7.280496	6.288542	5.232224	3.568459	1.654531	0.162408	-1.7587	-3.54549	-3.35892	-4.39066	-6.68728	-7.79561	-8.1734	-12.2312	-13.651	-14.5517	-20.8725	-17.7897	-17.1689	-19.8355	-18.3905	-25.2642	-19.8863	-25.2756	-19.274	-24.4908	-16.4165	-18.6974	-17.7094	-16.0184	-16.0757	-23.0141
105	6.3912981	6.895372	7.494016	7.924482	7.388284	6.485254	5.511448	3.935777	2.288349	1.218658	-0.47458	-3.29333	-4.29317	-4.96728	-6.94571	-8.09868	-8.72528	-12.755	-14.6815	-15.8324	-22.1758	-19.6825	-17.9839	-19.8396	-18.3905	-25.2642	-19.8863	-25.2756	-19.274	-24.4908	-16.4165	-18.6974	-17.7094	-16.0184	-16.0757	-23.0141
110	6.3912981	6.915818	7.530997	7.941298	7.458152	6.677304	5.818914	4.110084	3.025066	2.25868	0.899956	-0.60546	-0.62521	-2.02345	-5.45307	-5.93688	-7.70721	-13.1898	-14.1318	-14.9846	-17.3208	-18.995	-17.5839	-20.7699	-21.8996	-21.0181	-20.6088	-18.5562	-24.4337	-17.0127	-19.633	-19.6766	-17.2012	-18.1571	-24.9894	
115	6.3912981	6.932473	7.550171	7.924534	7.486795	6.833351	6.115997	4.908573	3.728909	3.064542	1.826126	-0.16147	0.90528	1.379404	-5.58958	-6.11099	-8.71798	-15.7294	-14.9914	-17.7745	-16.8713	-21.393	-19.0047	-21.23	-25.956	-21.158	-21.8936	-20.1929	-19.7442	-20.4048	-17.4201	-18.9146	-17.5195	-19.0443	-25.9721	
120	6.3912981	6.945187	7.554879	7.879767	7.472767	6.93414	6.342798	5.307891	4.289044	3.701892	2.461383	1.070838	1.096391	0.55386	-4.70085	-4.70212	-6.05451	-13.7474	-14.4015	-14.9471	-16.6286	-21.4935	-18.7841	-20.4216	-24.4698	-21.8844	-24.025	-22.8927	-20.1818	-17.8319	-17.5572	-17.5004	-21.7107	-17.4861	-19.457	-26.4995
125	6.3912981	6.953942	7.540189	7.815959	7.418612	6.965505	6.456075	5.50108	4.682593	4.21863	3.047455	1.620315	1.790466	0.441566	-3.0336	-2.99387	-4.02099	-9.62338	-10.7411	-10.9981	-16.7373	-22.4434	-17.3087	-17.6716	-19.6109	-23.3961	-25.0396	-25.1472	-19.5953	-17.3975	-17.8219	-16.2711	-21.8669	-17.1157	-22.2288	-26.1901
130	6.3912981	6.958815	7.537518	7.734028	7.333136	6.928106	6.448387	5.496553	4.763982	4.538309	3.523002	2.207482	2.400868	0.930823	-6.26305	-6.26305	-6.26305	-9.5273	-9.9509	-15.3628	-18.92	-24.785	-19.0205	-23.3223	-20.7837	-19.4257	-18.3723	-15.6062	-21.6256	-16.5571	-18.4828	-15.571	-18.2987	-21.4828	-26.9087	

Raw data – ANT9 (6.695GHz)

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	6.6208	6.907262	7.131264	6.841884	6.017574	5.553766	5.254602	3.639588	2.33356	2.635584	0.640108	-0.37129	-1.32404	-5.025	-7.6578	-5.91416	-6.71834	-10.9848	-10.8481	-12.107	-16.7258	-15.2541	-15.8309	-24.6739	-26.0143	-18.766	-20.9805	-20.0663	-25.7207	-25.5177	-24.1102	-20.222	-20.3007	-19.1481	-21.4409	-19.4902
5	6.6208	6.90914	7.095835	6.643304	5.899169	5.449217	5.076192	3.520196	2.13492	1.998381	0.21237	-0.40331	-2.66813	-5.80524	-8.49748	-6.96548	-8.26546	-14.2226	-13.5483	-19.171	-27.167	-16.3337	-21.4882	-25.657	-19.3185	-19.9687	-24.5702	-24.7275	-25.465	-22.349	-19.3566	-19.9713	-19.2837	-22.2229	-19.8882	
10	6.6208	6.981545	6.971177	6.423144	5.679446	5.295084	4.889614	3.476622	2.140863	1.781125	-0.36257	-0.09509	-0.49045	-6.41275	-11.7068	-10.8852	-13.0265	-23.3439	-20.4663	-15.5979	-17.5483	-22.4697	-18.9607	-20.6137	-23.806	-20.4386	-19.3493	-21.4722	-24.3786	-25.3675	-21.7681	-18.8273	-19.5002	-19.7944	-20.3766	
15	6.6208	7.006563	6.872466	6.194873	5.461471	5.037334	4.675049	3.454119	2.350605	1.977209	0.236802	-0.28382	-1.70973	-5.01815	-9.4028	-11.0316	-14.2046	-21.4745	-20.2967	-17.3036	-19.9754	-22.2499	-22.2499	-22.2499	-22.2499	-22.2499	-22.2499	-22.2499	-22.2499	-22.2499	-22.2499	-22.2499	-22.2499	-22.2499	-22.2499	
20	6.6208	7.022772	6.77224	5.978315	5.242028	4.865157	4.42097	3.375998	2.510026	2.091796	0.464348	-0.22595	-1.37228	-4.99848	-8.84615	-8.61836	-9.79144	-15.988	-16.8679	-17.1479	-25.8847	-28.412	-27.484	-24.8789	-28.2379	-27.1674	-20.0215	-18.4239	-27.5993	-32.0485	-23.1736	-18.9215	-18.5722	-22.1276	-28.0383	-21.645
25	6.6208	7.034451	6.679505	5.79646	5.058179	4.651279	4.141222	3.198428	2.493539	1.915508	0.026787	-0.84978	-3.75273	-6.43937	-10.0841	-10.3755	-14.3179	-18.7899	-14.923	-25.8628	-27.1206	-24.4727	-24.7407	-24.8383	-23.0889	-18.7688	-22.8269	-30.2975	-24.4324	-18.9491	-18.5722	-23.5728	-22.5728	-22.5728	-22.5728	-22.5728
30	6.6208	7.042175	6.602817	5.670484	4.94728	4.50993	3.892009	2.948639	2.361314	1.673632	0.47459	-0.36058	-4.82759	-8.88485	-8.55337	-9.52355	-10.7821	-14.6222	-14.406	-13.2752	-20.9364	-26.0671	-22.9905	-22.1566	-27.519	-23.5737	-27.5985	-20.9514	-21.1841	-26.9363	-25.4283	-18.7481	-17.724	-24.2332	-24.1533	-23.2448
35	6.6208	7.047334	6.549154	5.614144	4.932749	4.49314	3.764751	2.714464	2.184878	1.482983	0.77929	-0.02251	-5.83119	-10.6867	-12.6608	-12.7232	-14.6689	-17.3581	-15.9341	-20.9641	-26.1262	-24.8698	-27.3504	-25.4708	-22.5525	-26.191	-24.6229	-18.3894	-18.7434	-23.3809	-32.0733	-23.3809	-23.3809	-23.3809	-23.3809	
40	6.6208	7.051319	6.52307	5.63017	5.013651	4.617786	3.834187	2.613787	1.98337	1.231653	-0.14193	-0.48049	-6.28041	-8.31593	-12.7221	-13.8971	-14.6361	-15.3291	-16.7493	-19.452	-23.149	-29.5316	-27.8166	-21.5123	-22.2406	-24.1056	-23.6469	-25.8345	-25.7668	-25.0764	-21.8874	-17.979	-17.3725	-21.6746	-27.2058	-25.1583
45	6.6208	7.050507	6.526271	5.710002	5.16594	4.851956	4.10566	2.748149	1.860735	0.98479	-0.48803	-0.50735	-6.47157	-7.70645	-9.71243	-11.4289	-12.8698	-15.0045	-15.3173	-16.4508	-19.7812	-29.2622	-22.5925	-22.962	-22.1888	-26.7249	-22.8109	-19.4351	-17.6692	-17.5229	-20.0075	-23.9362	-20.0075	-23.9362	-20.0075	
50	6.6208	7.059363	6.557719	5.840759	5.354432	5.131084	4.494323	3.110988	1.971737	1.014908	-0.23591	-0.06969	-5.27653	-6.55161	-9.57486	-11.7621	-13.1563	-15.988	-17.4117	-16.1529	-20.566	-23.9324	-23.6632	-18.5842	-18.4693	-23.725	-24.6118	-20.3209	-25.6389	-21.1026	-18.0997	-17.6423	-17.9368	-18.7099	-21.7523	-26.7254
55	6.6208	7.064725	6.614161	6.00446	5.547017	5.389053	4.880133	3.567831	2.315606	1.407263	-0.194503	-0.708	-5.23269	-9.70043	-10.2693	-12.9517	-19.7358	-22.3617	-20.6391	-20.997	-20.1707	-20.972	-17.8393	-18.5469	-24.2124	-24.3123	-19.6901	-22.2207	-20.1033	-17.8472	-17.9911	-18.6337	-17.8259	-20.2488	-27.185	
60	6.6208	7.071344	6.600886	6.187992	5.723826	5.584139	5.174157	3.994473	2.739266	1.920267	0.40239	-0.86527	-1.14215	-3.11055	-6.73268	-7.53525	-10.4691	-18.5717	-21.3824	-17.6954	-21.0368	-20.2187	-21.622	-16.8545	-19.8021	-24.101	-23.7579	-20.5083	-25.6594	-19.4694	-18.4988	-18.6272	-19.9511	-17.3148	-19.2346	-27.392
65	6.6208	7.071959	6.782453	6.381705	5.879584	5.701814	5.342657	4.231925	3.069552	2.265655	0.517811	-1.30065	-1.28315	-2.38394	-5.06732	-6.19324	-8.94077	-15.2158	-16.5094	-17.9015	-20.8754	-20.8754	-20.8754	-20.8754	-20.8754	-20.8754	-20.8754	-20.8754	-20.8754	-20.8754	-20.8754	-20.8754	-20.8754	-20.8754	-20.8754	
70	6.6208	7.087889	6.883272	6.579506	6.020798	5.754637	5.395492	4.331413	3.182633	2.312423	0.292329	-0.42662	-2.74493	-3.49576	-6.08829	-7.19675	-9.43948	-14.9916	-15.9367	-14.9524	-18.6291	-20.3425	-24.0057	-21.0338	-22.2906	-26.1562	-24.112	-22.783	-27.098	-19.9238	-22.3728	-19.8222	-21.578	-17.107	-18.3017	-27.3444
75	6.6208	7.097079	6.987968	6.77724	6.160024	5.770457	5.367088	4.292369	3.071838	2.110605	0.159937	-0.26209	-3.64659	-4.93328	-8.72881	-9.66768	-10.6186	-15.9593	-17.4855	-15.9082	-19.8443	-22.2629	-23.2246	-21.1084	-22.0043	-25.8569	-23.7907	-22.0642	-28.1953	-21.6021	-25.7413	-20.1519	-21.8051	-17.2008	-18.2848	-27.2943
80	6.6208	7.106154	7.091595	6.970994	6.309436	5.782786	5.302132	4.179938	2.849739	1.816629	0.109797	-1.92528	-2.51765	-3.7019	-6.94311	-7.61656	-8.30326	-12.9364	-15.7687	-14.8948	-19.0325	-25.6294	-20.4183	-18.6109	-21.8784	-24.1176	-22.97	-21.9481	-31.5433	-24.3402	-26.5173	-20.2909	-21.1829	-17.3047	-18.5329	-27.3357
85	6.6208	7.114476	7.189758	7.156071	6.475796	5.822095	5.243616	4.066669	2.688056	1.542426	-0.07798	-1.62485	-1.63665	-2.40746	-4.56005	-4.75325	-10.3037	-11.5923	-12.307	-16.6269	-16.9482	-18.5876	-22.0523	-25.05	-22.6587	-22.8666	-29.934	-26.679	-22.7743	-20.1245	-20.1245	-20.1245	-20.1245	-20.1245	-20.1245	
90	6.6208	7.121392	7.278702	7.326844	6.688294	5.900452	5.224228	3.994034	2.586524	1.44252	0.24919	-1.7018	-1.46638	-2.28946	-4.24381	-4.11969	-5.50708	-10.3074	-9.9279	-11.1714	-17.2	-20.9752	-16.1925	-15.3557	-23.5015	-28.7249	-22.1772	-25.4909	-24.034	-26.0949	-19.6686	-19.7015	-19.1265	-17.4044	-19.7584	-27.8732
95	6.6208	7.126275	7.355401	7.47731	6.849264	6.053027	5.266597	3.975582	2.649714	1.616985	-0.16046	-1.8531	-1.67424	-2.72768	-5.17328	-5.02636	-10.7193	-11.4795	-10.6824	-12.0839	-17.2398	-16.7893	-15.5552	-24.3807	-28.5207	-20.3261	-31.0401	-20.3654	-25.0129	-17.8852	-19.3851	-18.5059	-17.5505	-20.6959	-28.4736	
100	6.6208	7.128562	7.417632	7.601893	7.036429	6.249732	5.387129	4.003739	2.814604	1.995045	0.239051	-1.74723	-1.7491	-3.05318	-6.60101	-6.99752	-7.92023	-12.3803	-10.7635	-13.4559	-19.9698	-19.2658	-16.5866	-21.1697	-20.559	-26.7032	-19.1002	-36.2061	-18.3472	-25.3907	-17.0653	-19.5731	-18.5847	-17.9012	-21.5771	-20.1449
105	6.6208	7.127777	7.464034	7.696138	7.20521	6.44166	5.589888	4.192636	3.045490	2.410285	0.806636	-1.15162	-1.27493	-2.59944	-8.48264	-6.05135	-7.26599	-12.9494	-13.197	-15.6402	-17.2384	-18.511	-17.5739	-23.9861	-21.7374	-24.241	-19.5003	-27.8687	-17.6971	-16.6431	-16.8526	-20.447	-19.1748	-18.5093	-22.5871	-20.7193
110	6.6208	7.125543	7.494065	7.757149	7.340558	6.695163	5.851581	4.471649	3.336019	2.76679	1.327165	-0.41222	-0.49044	-1.79598	-4.93798	-5.00362	-6.76388	-12.983	-13.1862	-13.7452	-16.625	-19.6277	-17.9467	-22.7079	-23.0286	-22.565	-21.3006	-23.2921	-18.567	-25.0225	-17.019	-21.6434	-20.549	-19.3055	-22.0704	-20.9752
115	6.6208	7.115593	7.508065	7.783829	7.42874	6.88033	6.116511	4.816657	3.694573	3.110366	1.764591	0.198957	0.171465	-1.33615	-5.07666	-3.98292	-6.7781	-13.6033	-12.5584	-14.1764	-22.391	-17.9991	-21.1455	-22.4641	-21.8633	-21.5898	-27.5987	-21.5555	-22.1225	-19.9923	-21.1835	-19.7723	-21.1835	-19.7723	-21.1835	
120	6.6208	7.103782	7.50707	7.77706	7.459577	6.920096	6.31351	5.120289	4.071058	3.501713	2.202779	0.086612	0.65754	-4.52199	-4.32189	-5.90739	-12.4463	-12.248	-12.917	-18.6885	-22.8483	-17.9488	-18.0705	-23.5447	-19.4007	-18.787	-19.4919	-23.5778	-20.0884	-19.8908	-22.1007	-19.8908	-22.1007	-19.8908	-22.1007	
125	6.6208	7.087981	7.492785	7.739805	7.429976	7.008624	6.38538	5.299445	4.325893	3.851104	2.606167	1.76612	1.47273	0.094129	-3.45036	-3.20862	-4.496	-10.2983	-10.8131	-10.806	-12.728	-23.6791	-17.8812	-17.5898	-21.0293	-22.4622	-23.4664	-24.1223	-23.8359	-19.5399	-20.3546	-17.2376	-24.3265	-19.2662	-18.5707	-21.7235
130	6.6208	7.068258	7.467375	7.677253	7.340881	6.92821	6.311699	5.199938	4.328425	3.959714	2.791152	1.453997	1.78501	0.364491	-3.17223	-2.93671	-4.7072	-10.5825	-10.949	-10.1893	-14.545	-23.0485	-19.1829	-23.9294	-23.2455	-21.4138	-21.0247	-15.854	-24.9196	-17.9925	-17.4542	-17.9925	-17.4542	-17.9925	-17.4542	
135	6.6208	7.044661	7.433368	7.597088	7.207769	6.77023																														

Raw data – ANT9 (6.875GHz)

Thet/Vel	0	20	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	6.212208	3.616638	6.856978	7.287019	6.427388	5.074447	5.010678	3.908866	2.301412	3.04946	1.390528	-2.13474	-0.91558	-3.00787	-0.05405	-5.93306	-9.01246	-16.5748	-11.874	-13.603	-15.241	-19.2396	-34.8271	-31.9288	-27.2899	-25.3274	-23.2517	-25.4079	-25.5602	-21.6966	-24.1474	-27.7421	-22.9969	-22.466	-25.2288	-30.1303	
5	6.212208	6.284657	6.7603	7.172828	6.335824	4.90141	4.713694	3.602376	1.428623	1.605899	0.128609	-2.82381	-1.72079	-3.6911	-9.23789	-7.2092	-10.1628	-18.5623	-13.5803	-14.7051	-21.4101	-18.8291	-22.1379	-27.6656	-23.3797	-29.0203	-23.6848	-28.8091	-29.4438	-22.0859	-24.1959	-28.412	-24.2706	-23.0972	-24.7801	-29.312	
10	6.212208	6.284612	6.644092	7.026672	6.208325	4.721047	4.439129	3.194402	1.003539	0.436047	-1.10699	-3.55303	-1.9136	-3.29983	-6.6858	-6.23783	-17.4078	-13.9605	-12.7678	-19.1687	-18.0044	-25.0095	-25.9967	-27.8738	-26.9388	-30.3222	-28.619	-23.1153	-25.8834	-24.6363	-24.3764	-23.7766	-23.9935	-28.103			
15	6.212208	6.209237	6.511249	6.874465	6.043318	4.550775	4.2279	3.398841	1.243902	0.32331	-1.37804	-4.00199	-2.1558	-2.91956	-6.31421	-5.47362	-17.96847	-12.9808	-10.4499	-13.9382	-26.2538	-19.4536	-16.9638	-22.892	-20.672	-22.2375	-21.1649	-29.2426	-26.1329	-23.6701	-28.4679	-21.9749	-23.1407	-24.3065	-23.0725	-26.971	
20	6.212208	6.16875	6.366821	6.638792	5.845585	4.412238	4.116381	3.488219	1.17851	0.8232	-0.86679	-3.91142	-2.78414	-3.19166	-5.9125	-7.09739	-12.9808	-10.029	-12.2252	-23.1414	-19.4536	-18.9826	-26.0914	-22.2468	-19.6651	-29.512	-27.1434	-26.4957	-24.1862	-28.2022	-20.8115	-22.2318	-24.8318	-22.0312	-26.0015		
25	6.212208	6.128783	6.218098	6.410405	5.628905	4.327871	4.115255	3.611441	2.031357	1.054641	-0.66688	-3.66369	-3.13578	-3.79819	-8.04096	-7.12411	-2.22427	-12.398	-11.9045	-13.0151	-21.7326	-18.9004	-21.24	-25.4009	-25.3534	-19.1977	-28.3695	-24.7539	-28.1637	-25.8499	-25.6313	-20.8596	-22.1715	-25.4757	-21.4395	-25.2117	
30	6.212208	6.091291	6.074356	6.178709	5.421353	4.315839	4.198656	3.704662	2.126659	0.867395	-1.15059	-4.2498	-3.79733	-3.94011	-8.2515	-12.4066	-12.4212	-10.9227	-10.6707	-12.3527	-23.8464	-24.8808	-20.4421	-29.9237	-23.5735	-27.8442	-28.8713	-23.8371	-21.9592	-22.875	-20.7077	-21.812	-24.5994				
35	6.212208	6.058226	5.946141	5.965435	5.252786	4.38918	4.324501	3.697141	2.038956	0.539949	-1.87056	-5.10305	-5.58591	-6.07488	-8.94657	-9.47096	-9.92357	-14.7897	-15.5301	-12.3796	-17.9686	-19.6363	-22.0721	-21.4717	-25.6911	-21.1079	-29.3638	-23.9437	-26.7052	-30.688	-23.1444	-23.761	-23.8903	-26.7869	-20.3239	-24.1553	
40	6.212208	6.031403	5.84408	5.79403	5.155343	4.556445	4.475212	3.542706	1.752138	0.312137	-2.12052	-5.77034	-5.03224	-5.03224	-6.18821	-8.25124	-12.3444	-12.9986	-17.2831	-19.5891	-18.9987	-22.9685	-24.4869	-20.3511	-25.6911	-24.7672	-27.3973	-25.4377	-26.9935	-29.1622	-23.3228	-24.7152	-24.4249	-26.8615	-19.9724	-23.8685	
45	6.212208	6.012361	5.77737	5.684306	5.147342	4.816197	4.677719	3.30481	1.285858	0.249883	-1.72733	-4.84996	-6.14127	-7.28054	-10.9758	-13.2384	-14.4633	-18.7538	-18.3216	-15.516	-19.331	-24.9693	-25.1772	-18.853	-24.732	-24.1797	-26.922	-24.9911	-29.3297	-27.7297	-23.8613	-23.2619	-24.1655	-26.2546	-19.7483	-23.7287	
50	6.212208	6.00224	5.752299	5.647522	5.225942	5.145649	4.970147	3.175624	0.839499	0.31232	-1.00527	-3.64863	-5.03224	-6.18821	-8.25124	-12.3444	-12.9986	-17.2831	-19.5891	-18.9987	-22.9685	-24.4869	-20.3511	-25.6911	-24.7672	-27.3973	-25.4377	-26.9935	-29.1622	-23.3228	-24.7152	-24.4249	-26.8615	-19.9724	-23.8685		
55	6.212208	6.00169	5.77124	5.682544	5.366621	5.498387	5.34167	3.232117	0.734257	0.557472	-0.2085	-2.57081	-3.46889	-6.21666	-9.33951	-7.97913	-11.9527	-12.0754	-21.481	-16.1028	-22.9305	-21.2942	-25.0709	-17.4285	-25.3976	-20.9399	-21.7644	-19.5172	-31.3178	-25.7146	-22.5771	-19.9102	-23.4571	-23.6312	-19.6076	-23.852	
60	6.212208	6.010827	5.832428	5.7801	5.534224	5.816069	5.71918	1.699448	1.05831	0.91422	0.358168	-1.674	-3.05262	-4.21761	-8.48897	-9.26751	-11.6321	-19.8418	-21.2874	-14.8005	-21.2499	-22.5422	-25.3065	-17.5318	-25.6704	-20.6469	-20.5723	-19.9547	-27.7374	-23.8595	-21.0931	-19.6215	-23.1289	-22.136	-19.6289	-24.0974	
65	6.212208	6.029223	5.93056	5.924615	5.696141	6.094978	6.01632	4.110995	1.562277	1.190479	0.425991	-1.41868	-1.86731	-3.05476	-6.50323	-8.00903	-10.007	-16.3178	-16.4483	-12.5496	-17.7281	-23.1552	-25.1783	-17.8847	-26.0489	-33.3482	-20.8205	-22.309	-23.8014	-22.1864	-20.0238	-20.2586	-22.1778	-20.832	-19.6553	-24.4539	
70	6.212208	6.05996	6.057947	6.100481	5.832675	6.173408	6.182286	4.417436	2.018183	1.354142	0.10604	-2.0679	-2.11552	-2.94804	-5.99056	-6.69833	-8.71058	-15.1755	-15.0747	-12.2891	-17.6209	-22.5436	-25.0032	-18.5603	-25.1758	-30.1247	-20.9741	-24.0258	-21.8215	-21.5389	-19.5727	-21.5925	-20.764	-19.8837	-19.6426	-24.9124	
75	6.212208	6.089706	6.205802	6.294966	5.940939	6.19136	6.212809	4.584185	2.357619	1.492302	-0.18741	-3.0518	-3.62366	-4.93308	-8.27979	-7.88096	-9.68325	-17.1145	-16.3792	-13.9119	-20.7653	-22.8961	-24.6603	-19.7729	-28.0012	-30.0641	-20.3986	-24.3174	-22.2613	-22.2032	-19.6822	-23.0587	-19.5543	-19.384	-19.5567	-25.4634	
80	6.212208	6.128825	6.365331	6.498989	6.03266	6.132684	6.137828	4.633534	2.570168	1.596777	-0.24201	-3.2213	-4.09714	-5.8036	-9.77566	-9.30971	-11.1953	-18.0023	-16.5587	-14.5557	-23.4122	-24.7964	-20.767	-18.9759	-27.3185	-28.3454	-19.306	-24.3284	-23.8904	-23.8369	-20.1748	-23.873	-18.9644	-19.3512	-19.3859	-26.0946	
85	6.212208	6.171486	6.528462	6.706221	6.127445	6.044742	6.006125	4.606192	2.670935	1.603136	-0.2696	-2.80516	-2.9675	-4.02319	-7.12362	-7.26494	-8.79814	-13.6784	-12.3959	-12.427	-22.651	-31.4599	-17.861	-17.5355	-27.4995	-25.7596	-19.1302	-24.7915	-23.5912	-25.698	-20.9036	-23.9168	-19.0796	-19.698	-19.1481	-26.7867	
90	6.212208	6.217683	6.688215	6.911439	6.243717	5.980118	5.87127	4.546181	2.734422	1.618984	-0.32611	-2.60521	-2.04024	-2.65328	-5.06371	-5.9135	-11.1423	-19.8473	-11.4191	-12.4227	-22.6383	-25.9689	-15.488	-16.3618	-26.4548	-28.8004	-20.0884	-28.3247	-22.0039	-28.0311	-21.7654	-23.5823	-19.7156	-20.1595	-18.8891	-27.5035	
95	6.212208	6.259827	6.838808	7.1094	6.390629	5.980073	5.777978	4.484577	2.848611	1.891826	-0.40208	-2.46193	-1.87172	-2.0067	-5.61888	-4.82806	-6.45864	-11.8643	-10.1003	-12.0144	-22.5623	-22.7822	-15.196	-17.777	-25.442	-28.8038	-19.6959	-29.3709	-20.8723	-22.8097	-22.2387	-22.9648	-20.358	-20.2998	-18.6732	-28.1766	
100	6.212208	6.301833	6.975602	7.294376	6.564485	6.006594	5.753637	4.431241	3.001848	2.450112	0.713673	-1.87046	-1.57373	-2.71267	-6.64908	-5.73201	-7.68244	-15.5279	-12.9215	-13.3487	-21.6229	-20.1426	-16.149	-17.731	-24.492	-26.5012	-18.8958	-34.1365	-20.5686	-32.7611	-21.5218	-22.3135	-20.4315	-19.8353	-18.5715	-28.6621	
105	6.212208	6.340178	7.094987	7.460453	6.750996	6.20352	5.588061	4.398053	3.088862	2.90954	1.47977	-1.00837	-0.89073	-2.09021	-6.11993	-5.80347	-7.56205	-15.2438	-13.335	-13.1886	-19.3976	-19.8986	-17.0682	-23.0333	-22.4481	-23.1405	-19.471	-27.2221	-21.2147	-24.9264	-20.2614	-22.276	-20.0362	-19.0763	-18.6524	-28.738	
110	6.212208	6.373447	7.194221	7.602133	6.931299	6.395258	5.934823	4.527764	3.08723	3.079896	1.787143	-0.57018	-0.3296	-1.60537	-5.50172	-6.07262	-7.12307	-11.6254	-12.8019	-12.9936	-21.296	-20.266	-16.7341	-20.3995	-25.9175	-22.1558	-21.6801	-23.7769	-22.4776	-20.8891	-19.7362	-23.2962	-19.7438	-18.3804	-18.7458	-28.911	
115	6.212208	6.40406	7.271296	7.714809	7.087414	6.583867	6.109962	4.562827	3.122781	3.0803	1.743048	-0.79943	-0.32746	-1.85806	-6.23782	-6.81068	-7.7138	-13.9402	-11.315	-13.6227	-22.6516	-21.4911	-15.9401	-18.1413	-23.9875	-22.1953	-25.2416	-21.9992	-23.8718	-19.4585	-20.3552	-24.3531	-19.8894	-18.037	-19.5847	-27.5789	
120	6.212208	6.420091	7.324813	7.794943	7.20594	6.743516	6.29532	4.778326	3.32302	3.26706	1.965685	-0.32666	-0.40281	-1.59157	-6.52327	-6.83749	-6.91582	-16.5527	-12.1688	-13.225	-22.7734	-22.3662	-16.6801	-19.0883	-27.3764	-23.3305	-26.1095	-20.9428	-25.7284	-20.1099	-21.2312	-22.6224	-20.541	-18.1487	-20.487	-26.1423	
125	6.212208	6.432274	7.359312	7.839999	7.276115	6.854676	6.448561	4.984011	3.585253	3.614601	2.539494	-0.38627	-0.893033	-1.0247	-6.85671	-5.70178	-5.2069	-11.9067	-11.1212	-12.8227	-22.2316	-19.7693	-22.2582	-24.6279	-20.7693	-22.0671	-21.6147	-26.3792	-22.1331	-20.6466	-19.9297	-21.7751	-18.7189	-20.527	-25.1316		
130	6.212208	6.436009	7.358257	7.848447	7.291514	6.898969	6.530463	5.082873	3.706282	3.815068	2.899598	0.912487	1.546772	0.236449	-0.40246	-2.78907	-4.75154	-12.9465	-10.6444	-10.6626	-18.4207	-20.9339	-20.0734	-21.0791	-23.1451	-22.3432	-20.1508	-26.3633	-21.681	-23.7411	-19.4684	-18.4564	-23.9392	-19.639	-22.5623	-23.8804	

Raw data – ANT9 (6.995GHz)

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	6.1656499	6.174773	7.392744	7.534276	6.191368	4.661752	5.261655	4.3213	1.985363	2.570758	1.150107	-2.18976	-2.2536	-3.41512	-8.8796	-6.46982	-9.21434	-18.0264	-11.8411	-12.2866	-10.9958	-16.8031	-16.8233	-23.4504	-22.6766	-24.7308	-25.2427	-24.941	-25.623	-23.9754	-25.0434	-24.9208	-20.0447	-19.0669	-21.3049	-30.8431	
5	6.1656499	6.693448	7.320172	7.405641	5.988385	3.737805	4.869224	3.699618	6.084141	3.85174	0.425459	-2.7087	-2.45538	-4.93621	-11.3362	-8.48179	-11.3582	-15.8022	-15.7523	-17.3241	-17.3446	-18.8581	-24.6199	-25.1411	-24.7799	-26.0982	-26.7982	-26.6448	-25.0181	-23.9657	-19.5754	-18.9487	-21.6635	-32.6334			
10	6.1656499	6.661014	7.220842	7.253458	5.79295	4.165423	4.550136	3.251101	-0.22752	0.20712	-0.40023	-3.03599	-2.9681	-4.26202	-9.9477	-8.44879	-11.9059	-21.4513	-15.4123	-18.444	-28.9983	-19.6446	-15.4122	-21.6448	-23.7869	-28.1861	-26.9024	-24.4634	-24.0767	-21.6116	-19.0575	-18.768	-21.9321	-34.2362			
15	6.1656499	6.96197	7.095959	7.073145	5.601289	4.045137	3.369116	3.119818	-0.26396	-0.04092	-0.69546	-3.18143	-2.2966	-3.70653	-9.94275	-8.01558	-11.9843	-15.8128	-18.2208	-20.6855	-18.3961	-25.4486	-22.2151	-19.731	-24.334	-28.9949	-23.3635	-23.5298	-23.401	-19.5614	-18.7168	-18.6688	-21.9832	-34.6878			
20	6.1656499	6.566957	6.948007	6.861198	5.401189	3.900687	4.327496	3.269991	0.247661	0.205377	-0.46664	-3.12301	-2.54568	-3.3472	-7.66095	-6.68919	-17.7798	-14.4032	-11.531	-13.6586	-24.4419	-19.3748	-20.0101	-20.9652	-24.3455	-19.5537	-25.634	-26.7971	-22.0575	-22.4566	-22.9183	-18.3154	-18.6688	-18.7063	-21.7279	-33.4593	
25	6.1656499	6.508446	6.781297	6.618355	5.181248	3.955591	4.38042	3.595403	0.862434	0.271666	-0.46785	-3.53626	-3.13784	-4.03133	-8.74406	-8.7225	-8.0416	-15.6358	-13.7984	-13.7984	-25.0919	-18.0322	-21.2581	-20.0555	-25.9489	-22.6006	-23.3724	-22.8059	-22.4835	-17.9177	-18.9054	-18.8279	-21.1663	-31.4349			
30	6.1656499	6.444904	6.602396	6.352175	4.94066	3.899016	4.455647	3.968522	1.498806	-0.00645	-1.91639	-5.63814	-5.6641	-5.95427	-9.3629	-10.3533	-9.63607	-14.1584	-12.9122	-13.4513	-18.4863	-17.1594	-20.3162	-22.3564	-25.323	-20.6434	-26.338	-20.1646	-25.9006	-24.1402	-22.2304	-18.3254	-19.2807	-18.8975	-20.3846	-29.4145	
35	6.1656499	6.378786	6.420257	6.078397	4.696039	3.823338	4.478936	4.232072	2.124166	-0.12531	-3.5192	-9.06622	-9.9671	-9.94718	-11.41105	-10.9124	-11.2761	-16.998	-15.8861	-12.9567	-18.8083	-17.0073	-20.9766	-21.3389	-26.8947	-21.7325	-27.0822	-19.7991	-26.8303	-24.9075	-22.2367	-19.261	-19.5275	-18.7629	-19.5014	-27.7124	
40	6.1656499	6.312428	6.24589	5.803376	4.482393	3.762519	4.420367	4.256334	2.56737	0.237742	-3.98661	-10.0033	-11.1461	-11.5807	-12.0354	-10.746	-11.2708	-16.8093	-17.855	-13.7488	-17.4032	-19.6518	-19.9859	-20.0116	-24.6169	-22.2943	-29.0563	-21.0818	-26.4717	-25.0261	-22.124	-19.7658	-19.4345	-18.3481	-18.6169	-26.2994	
45	6.1656499	6.248327	6.091476	5.605979	4.344964	3.781536	4.329388	4.013611	2.644157	0.737419	-3.20472	-9.00094	-9.7438	-9.75609	-10.7906	-10.6585	-11.1222	-16.0418	-13.8409	-16.3027	-17.6394	-19.7628	-19.5321	-21.1728	-20.5644	-28.7784	-21.3638	-25.2855	-25.3082	-21.0723	-18.8354	-19.0688	-17.6897	-17.7974	-25.1356		
50	6.1656499	6.188787	5.968952	5.461904	4.321127	3.935758	4.313333	3.622497	2.326756	1.007715	-2.1151	-7.21559	-9.24369	-9.56469	-10.7709	-11.1095	-12.6022	-19.8219	-19.22	-15.1835	-17.298	-16.6117	-23.0739	-19.8415	-20.7658	-20.5354	-26.7453	-19.2147	-23.9925	-24.4707	-19.0949	-17.244	-18.6652	-16.888	-17.0801	-24.2163	
55	6.1656499	6.135803	5.888279	5.406956	4.421478	4.226262	4.45196	3.322949	1.861902	1.131047	-0.98002	-5.05626	-5.82293	-11.365	-13.2593	-13.1131	-15.7598	-20.7036	-16.9708	-16.9708	-18.8091	-25.0269	-16.9528	-19.6928	-19.6727	-22.1957	-17.5995	-24.024	-21.7101	-17.1131	-16.1084	-18.3418	-16.0531	-16.4841	-23.5028		
60	6.1656499	6.090928	5.855804	5.447238	4.622505	4.595289	4.725899	3.303114	1.661002	1.368216	0.022574	-2.85729	-5.51391	-9.4866	-13.3772	-12.7201	-15.4579	-23.5726	-18.5424	-14.3824	-17.8598	-20.1039	-23.7854	-15.0295	-18.7991	-23.318	-18.8943	-17.3996	-24.433	-18.8586	-15.6884	-15.8219	-18.0145	-15.2895	-16.0184	-22.9728	
65	6.1656499	6.055166	5.873161	5.575756	4.886281	4.965846	5.045458	3.520269	1.844436	1.703231	0.500767	-1.59074	-2.88156	-5.82054	-9.34133	-9.4271	-11.6498	-20.5674	-18.1264	-12.7884	-14.8876	-18.514	-21.7148	-12.0567	-24.9282	-17.8589	-18.2905	-23.2996	-16.9838	-14.9724	-16.4513	-17.5467	-15.6947	-15.6868	-22.6095		
70	6.1656499	6.028809	5.937074	5.776147	5.170833	5.281531	5.322866	3.789976	2.142931	1.953958	0.603198	-1.65885	-2.28516	-4.71486	-8.15527	-7.98088	-9.64664	-18.2083	-18.3629	-13.0261	-14.2756	-16.4146	-17.8614	-17.2925	-19.2786	-24.3845	-17.5456	-19.1709	-22.548	-16.3036	-14.9956	-17.0084	-16.9763	-14.3499	-15.4891	-22.3992	
75	6.1656499	6.011932	6.040048	6.027821	5.453216	5.520486	5.518158	3.97317	2.290123	2.011289	0.414697	-2.69425	-3.6304	-6.12067	-10.2309	-8.91668	-10.3148	-19.7932	-20.7869	-15.1106	-16.0153	-16.6116	-28.2425	-18.8078	-21.4144	-28.9778	-17.7363	-19.3642	-23.6705	-16.7639	-15.7749	-19.7093	-16.5346	-14.3037	-15.4219	-22.3296	
80	6.1656499	6.003242	6.171707	6.309857	5.725432	5.690362	5.631571	4.03797	2.199285	1.819109	0.217111	-3.3132	-4.83699	-6.92071	-11.3117	-10.3587	-12.2789	-24.7312	-22.4959	-15.9687	-18.7878	-19.5801	-24.6335	-17.7025	-21.8322	-31.3658	-18.5227	-19.2514	-25.8466	-18.1272	-17.3371	-20.626	-16.4565	-14.5489	-15.4803	-22.3865	
85	6.1656499	6.001645	6.3203	6.602873	5.988675	5.810046	5.693469	4.043945	1.957291	1.385025	-0.07946	-3.00151	-3.87707	-4.97544	-8.2766	-8.33394	-9.76965	-15.5521	-14.9994	-12.698	-16.5383	-21.4684	-16.5475	-22.0318	-27.4074	-19.681	-19.6585	-26.5984	-19.9567	-19.7371	-20.0801	-16.8338	-14.589	-15.6608	-22.2545		
90	6.1656499	6.004678	6.474255	6.889631	6.245128	5.92578	5.742994	4.086923	1.793534	0.915913	-0.55556	-2.64748	-2.4374	-3.13065	-5.97191	-4.58273	-7.18539	-19.1101	-10.5377	-10.4099	-20.7663	-30.821	-17.8563	-14.8626	-21.224	-30.3709	-20.8849	-21.8182	-24.3179	-21.9444	-22.7262	-19.122	-17.5237	-15.4158	-15.9678	-22.7817	
95	6.1656499	6.014543	6.622921	7.155305	6.492725	6.03984	5.800889	4.216751	1.946336	0.821616	-0.87406	-1.88056	-2.73353	-3.51206	-5.97447	-5.28765	-6.87904	-12.9655	-10.0685	-11.1252	-12.321	-25.2448	-16.5693	-15.6717	-20.7673	-29.0265	-20.3172	-26.5756	-20.8084	-24.7208	-23.2439	-18.5034	-18.0866	-15.5903	-16.4209	-23.0418	
100	6.1656499	6.024455	6.757511	7.387867	6.724161	6.165665	5.86519	4.395074	2.4288	1.473749	-0.45591	-2.92473	-2.07584	-3.15333	-6.91674	-6.83148	-7.93996	-15.7455	-12.5238	-12.7128	-21.2346	-20.4592	-16.4952	-19.7552	-26.6652	-25.9484	-19.0266	-28.5424	-18.6317	-17.1758	-19.9433	-18.4797	-18.0728	-15.4558	-17.0607	-23.2387	
105	6.1656499	6.03369	6.871235	7.578478	6.892825	6.299007	5.922008	4.534448	2.966288	2.473567	0.622259	-2.28547	-1.95842	-3.022	-6.6105	-5.8344	-8.0973	-16.584	-13.5861	-12.768	-18.1158	-17.8165	-16.161	-22.8322	-27.6229	-22.8279	-22.8279	-18.4572	-25.2201	-18.1599	-22.5681	-17.303	-19.4929	-17.603	-15.2193	-17.9493	-23.28
110	6.1656499	6.043062	6.959341	7.721662	7.09637	6.432154	5.96941	4.581136	3.27218	3.066737	1.555738	-1.23538	-1.1497	-2.38798	-6.18551	-5.23588	-7.18731	-14.0088	-11.5117	-12.4683	-18.1979	-18.4415	-16.3611	-23.3071	-21.0513	-18.9908	-23.7501	-18.9581	-18.8585	-16.4621	-20.9182	-17.1703	-15.1632	-19.1626	-23.0826		
115	6.1656499	6.047771	7.018942	7.815076	7.218216	6.553131	6.032872	5.466851	3.286502	3.288159	2.002066	-0.50133	-0.32294	-1.90042	-5.38412	-6.75714	-13.5319	-10.6828	-13.0402	-15.7034	-23.2999	-16.9669	-18.1355	-27.0404	-22.1213	-21.0564	-23.2685	-20.6326	-18.0748	-17.3906	-21.2593	-17.1238	-15.8806	-20.7527	-22.614		
120	6.1656499	6.048986	7.04876	7.889034	7.289447	6.658387	6.104801	4.576839	3.20741	3.263289	2.180008	-0.00533	0.423235	-1.15399	-5.95188	-4.37413	-6.27197	-15.4906	-11.6085	-12.4735	-16.5887	-25.9132	-16.4962	-17.4418	-25.5543	-23.6869	-23.7029	-23.1861	-22.8815	-20.1226	-19.0862	-18.7923	-17.6798	-16.2353	-22.599	-21.9455	
125	6.1656499	6.044628	7.048871	7.885528	7.308137	6.725342	6.211071	4.651542	3.137346	3.198001	2.281743	0.340278	0.981169	-0.39978	-4.8325	-3.49395	-5.24645	-14.2245	-11.0711	-10.3323	-18.7028	-23.0008	-17.4019	-18.6264	-26.0897	-28.8155	-22.3298	-25.022	-23.0191	-23.9919	-18.9271	-16.6571	-19.1399	-17.3156	-23.9786	-21.149	
130	6.1656499	6.043607	7.0205	7.807403	7.273904	6.755342	6.310943	4.742904	3.088668	3.07572	2.217498	0.372836	1.168544	-0.17383	-4.26395	-3.7303	-4.66101	-13.355	-10.2889	-10.3633	-16.9275	-23.0863	-19.9472	-18.3087	-24.185	-22.57	-20.2648	-20.8079	-17.9445	-23.6767	-17.8373	-16.1834	-22.0593	-18.3035	-23.6669	-20.3265	
135	6.16564																																				

Raw data – ANT9 (7.115GHz)

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	6.4558135	6.023002	7.221052	6.899904	5.375119	4.576115	5.451494	4.013271	1.341297	2.739315	1.358008	-2.69654	-1.98216	-4.11318	-1.41781	-7.5288	-10.3343	-12.0882	-13.002	-19.7719	-15.5786	-16.2647	-23.7722	-22.1679	-24.7249	-26.7718	-26.7536	-24.9074	-25.7261	-29.9602	-25.9168	-22.0459	-19.4979	-19.3917	-28.9697		
5	6.4558135	6.21703	7.136367	6.729178	5.167117	4.406288	5.054402	3.212431	0.370762	2.421424	1.386647	-2.6033	-2.8173	-5.57629	-11.6952	-8.63762	-10.0279	-24.2572	-14.9621	-23.6789	-20.3462	-27.7231	-19.9089	-20.7718	-26.6153	-26.3661	-23.6527	-27.0069	-25.4133	-21.1686	-20.0324	-20.1117	-30.4854	-20.1117	-30.4854		
10	6.4558135	6.892332	7.045371	6.582657	5.01091	4.253959	4.618233	2.470292	-0.4329	1.809129	0.872079	-2.45591	-2.5137	-4.84466	-11.4178	-8.47534	-12.2479	-18.9678	-14.7524	-19.1196	-24.4041	-18.6814	-21.9223	-25.672	-20.7925	-20.8302	-25.384	-20.4673	-24.7584	-23.5217	-24.5396	-23.7366	-20.3745	-20.1992	-20.9843	-32.1462	
15	6.4558135	6.864217	6.948292	6.454729	4.943101	4.172267	2.000506	-0.74772	1.285912	0.421769	-0.451085	-1.95053	-3.90102	-1.01002	-8.7658	-10.4036	-12.1802	-16.0638	-10.3319	-19.3747	-15.7495	-25.0814	-22.1124	-19.4203	-24.8174	-28.4945	-20.0589	-21.9619	-23.335	-21.4308	-19.9923	-20.2283	-21.8829	-32.9349			
20	6.4558135	6.82899	6.843744	6.335016	4.919565	4.16763	4.029371	1.883276	-0.57045	1.189485	0.411276	-2.47227	-2.36243	-4.22385	-10.0793	-8.44386	-9.19292	-15.9402	-12.4408	-14.7436	-23.1614	-18.9449	-19.5454	-28.6056	-23.4429	-19.9948	-25.8806	-20.9837	-18.904	-20.1684	-22.3224	-19.6428	-19.9466	-20.2933	-22.5697	-32.2049	
25	6.4558135	6.786779	6.730635	6.21102	4.91036	4.196357	3.971928	2.150363	-0.12501	1.087126	0.205905	-3.02771	-3.64579	-5.11569	-11.5113	-8.40025	-18.0295	-18.7438	-18.0295	-18.7438	-18.9791	-22.0075	-27.7476	-25.0075	-20.8968	-27.2183	-25.6395	-21.2777	-20.0412	-21.4416	-18.7495	-19.9924	-20.3338	-22.7381	-30.4799		
30	6.4558135	6.768376	6.608722	6.071998	4.873121	4.19896	4.045291	2.734187	0.460074	0.465261	-1.08277	-5.27634	-6.92466	-9.3903	-13.9308	-16.2714	-14.1436	-18.4458	-18.4669	-15.3325	-20.6693	-19.3966	-22.4421	-20.7476	-22.8106	-20.3066	-26.5523	-20.645	-27.7337	-21.41	-21.061	-18.7083	-19.8196	-20.111	-22.239	-28.5676	
35	6.4558135	6.698717	6.479595	5.91274	4.781322	4.134714	4.150282	3.38037	1.190369	-0.42116	-1.33164	-3.34437	-4.1498	-13.8127	-13.0637	-11.6953	-12.1231	-16.6152	-14.9492	-12.2737	-17.4836	-20.392	-22.3917	-20.7476	-22.392	-20.392	-20.7991	-26.2176	-19.1979	-29.308	-22.8615	-21.0251	-19.1684	-19.2583	-19.3995	-21.249	-26.8935
40	6.4558135	6.635386	6.34692	5.736322	4.63575	4.002743	4.1795	3.81132	1.889681	-0.76616	-5.12132	-11.96	-13.0367	-14.5297	-12.3092	-10.3187	-11.2407	-16.1159	-15.5866	-13.2602	-17.0013	-18.2414	-19.4279	-20.4861	-22.6167	-22.5191	-28.4604	-20.0648	-25.2836	-23.1869	-20.5249	-19.3164	-18.4256	-18.275	-20.0755	-25.4519	
45	6.4558135	6.581243	6.216487	5.554967	4.466264	3.852523	4.10095	3.890852	2.314903	-0.42918	-1.514404	-10.6428	-11.1805	-12.2352	-11.3789	-9.51496	-10.5163	-14.7914	-13.7014	-14.4422	-15.8017	-18.1685	-20.2812	-19.5498	-20.8858	-29.5382	-20.1053	-22.902	-23.0008	-18.9445	-18.4623	-17.5566	-17.0032	-18.9447	-24.2419		
50	6.4558135	6.527881	6.095788	5.388474	4.322626	3.77159	3.985994	3.684912	2.30756	-0.0854	-4.43716	-9.07906	-9.24072	-10.7349	-11.7778	-10.3603	-11.2172	-14.16	-14.9296	-14.2534	-13.8687	-13.4832	-17.3231	-23.8163	-19.9248	-20.3843	-28.5446	-17.8526	-20.9488	-22.114	-16.8673	-17.1034	-16.7943	-15.8117	-17.9668	-23.2863	
55	6.4558135	6.476837	5.993185	5.260121	4.253883	3.837902	3.959225	3.346619	1.932087	-0.46492	-3.56704	-7.90668	-8.96725	-11.6556	-16.1177	-14.3348	-14.1134	-17.0737	-18.4577	-18.2145	-15.2036	-22.6586	-20.0935	-19.6959	-20.7072	-24.2097	-16.439	-20.4182	-20.2283	-15.1174	-16.0775	-16.1691	-14.8262	-17.1827	-22.5187		
60	6.4558135	6.42951	5.916745	5.191088	4.284518	4.063371	4.098262	3.105292	1.493235	-0.0483	-2.45707	-5.07138	-6.25311	-11.7437	-18.448	-16.7683	-17.1993	-21.241	-18.6906	-17.7992	-19.4924	-18.9553	-23.3674	-16.5336	-17.9363	-20.6594	-20.342	-16.4872	-21.6377	-18.1835	-14.0449	-15.7835	-15.6698	-14.1095	-16.6	-21.9273	
65	6.4558135	6.387068	5.87294	5.19549	4.409448	4.38577	4.385419	3.110731	1.349113	0.207094	-1.50739	-2.79718	-3.59442	-11.3949	-13.5825	-14.5424	-28.5294	-29.915	-17.7848	-15.81	-19.0255	-26.7685	-17.0038	-18.0093	-22.9521	-18.9212	-17.5233	-23.6099	-16.6467	-13.7174	-16.3217	-15.2996	-13.6969	-16.2116	-21.9497		
70	6.4558135	6.350369	5.865505	5.277984	4.584954	4.714942	4.732131	3.344393	1.582669	0.699793	-0.94927	-2.31849	-1.4394	-4.06496	-9.64184	-9.22875	-9.43594	-16.2094	-22.0146	-18.4121	-14.393	-16.293	-21.9618	-18.6349	-18.3834	-22.4182	-17.7881	-18.5492	-25.1591	-15.9264	-14.1343	-17.5271	-15.086	-13.6072	-16.0025	-21.2067	
75	6.4558135	6.319906	5.894721	5.434274	4.797031	4.983166	5.032059	3.636116	1.955325	1.231011	-0.72813	-3.50553	-2.701	-4.81623	-9.60407	-8.07105	-8.47286	-14.4619	-17.2669	-20.4057	-16.0176	-16.1123	-21.198	-21.9797	-21.4778	-23.5696	-17.5342	-18.8182	-27.2584	-16.1547	-15.3418	-18.5943	-15.0643	-13.8346	-15.9533	-21.0509	
80	6.4558135	6.29572	5.957292	5.653089	5.030411	5.169267	5.216054	3.808469	2.182847	1.594442	-0.48703	-4.77888	-5.52897	-7.47019	-12.5887	-10.8035	-12.2981	-21.8501	-20.539	-21.7215	-19.4454	-19.1348	-21.198	-20.5642	-22.9077	-26.7647	-19.2494	-18.618	-29.8125	-17.3078	-17.5066	-18.271	-15.2596	-14.3262	-16.0429	-21.0147	
85	6.4558135	6.277659	6.046828	5.918189	5.288903	5.297653	5.297653	4.810843	2.149436	1.679695	-0.31179	-4.45081	-6.2167	-7.45008	-11.5284	-11.4735	-12.8424	-20.0773	-21.559	-25.7966	-20.3059	-24.5906	-23.7379	-18.1732	-21.8898	-25.1248	-21.9267	-18.5544	-30.4328	-19.2572	-20.8719	-16.9323	-15.6766	-14.9491	-16.2533	-21.0833	
90	6.4558135	6.264913	6.154766	6.210102	5.578647	5.418636	5.322147	3.767945	1.952269	1.530471	-0.26921	-2.368	-7.8346	-4.56548	-6.71543	-7.33377	-8.41275	-13.5903	-11.9922	-11.7068	-21.313	-28.228	-19.609	-15.3555	-21.3852	-27.8846	-22.4128	-19.6015	-27.3879	-21.9629	-23.9048	-15.8279	-16.286	-15.4863	-16.5755	-21.2668	
95	6.4558135	6.256574	6.271476	6.580813	5.896672	5.578993	5.396021	3.81814	1.853189	1.336912	-0.38346	-2.4608	-4.7882	-8.20065	-6.21543	-7.33377	-8.12115	-13.5015	-10.515	-11.7068	-26.3322	-18.1634	-15.6708	-23.6805	-26.7011	-20.1151	-22.3608	-22.5805	-25.1347	-21.289	-15.448	-17.0009	-15.7438	-17.0135	-21.446		
100	6.4558135	6.251475	6.387319	6.791874	6.227537	5.798301	5.546598	4.003075	2.101558	1.448662	-0.4697	-2.68104	-1.60294	-2.55676	-5.85949	-5.12757	-7.41747	-15.3054	-12.2914	-12.4628	-21.868	-21.6017	-15.9083	-19.513	-31.705	-24.2869	-18.4894	-25.7743	-19.5726	-24.0024	-17.7139	-16.0189	-17.6578	-15.7309	-17.582	-21.6692	
105	6.4558135	6.248336	6.493482	7.044257	6.547455	6.026841	5.749592	4.317031	2.611874	2.030213	0.065319	-2.89884	-2.89784	-2.85959	-5.63823	-4.75558	-7.2669	-15.5015	-12.5775	-12.4628	-21.7737	-19.9254	-15.9492	-19.0189	-25.3521	-23.0192	-17.7401	-26.8064	-18.4521	-19.7814	-15.7832	-17.3366	-18.0801	-15.6598	-18.2914	-22.5842	
110	6.4558135	6.245899	6.582538	7.251402	6.831421	6.336273	5.950866	4.528357	3.011552	2.652182	1.012378	-2.01315	-1.86065	-2.93028	-6.0839	-6.63431	-6.54112	-12.3739	-10.486	-11.8991	-17.0786	-17.2265	-15.2917	-18.6944	-22.7944	-21.2556	-17.7951	-26.5074	-18.9308	-17.5941	-15.4809	-18.6025	-18.2771	-15.7543	-19.1158	-21.9384	
115	6.4558135	6.242821	6.648772	7.403403	7.057351	6.57834	6.10396	5.583558	3.082334	2.921194	1.607189	-0.89914	-0.88581	-2.51676	-7.01799	-6.98914	-6.98914	-12.8702	-10.1865	-12.6994	-16.3835	-16.984	-17.9933	-25.9016	-21.4701	-19.769	-26.5334	-18.769	-26.5334	-18.769	-26.5334	-18.769	-26.5334	-18.769	-26.5334		
120	6.4558135	6.238153	6.688338	7.493856	7.209135	6.760455	6.197402	4.517336	2.911522	2.888959	1.924468	-0.24224	0.017052	1.16903	-6.88827	-5.41832	-7.07671	-16.8991	-12.6162	-12.6952	-16.4985	-18.8769	-17.922	-25.1267	-23.0898	-23.9895	-28.1975	-21.448	-21.561	-18.055	-16.7087	-19.4947	-16.6306	-20.329	-21.8337		
125	6.4558135	6.239903	6.699365	7.519564	7.226031	6.686449	6.254512	4.462174	2.688988	2.755841	1.972664	-0.00017	0.466871	-1.11193	-5.87964	-4.58857	-6.18084	-15.1777	-11.9728	-10.6188	-18.1102	-23.1173	-18.9253	-18.747	-25.1545	-25.9122	-24.7054	-33.1697	-21.4616	-24.3005	-18.5159	-16.1259	-21.619	-17.0277	-20.616	-21.242	
130	6.4558135	6.22073	6.680204	7.480758	7.252055	6.895841	6.293457	4.374667	2.48268	2.524346	1.81794	-0.00005	0.70204	-8.57979	-5.23762	-6.03327	-10.0808	-16.3163	-12.4252	-23.371	-21.089	-24.5071	-21.0189	-24.8611	-19.6102	-22.4837	-18.8878	-17.2201	-25.1168	-16.9883	-20.176	-17.0444					
135	6.4558135	6.21703	6.638632	7.38																																	

Raw data – ANT10 (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	6.8979784	6.685457	6.358139	5.585791	5.356959	5.861182	5.727254	4.657885	3.879854	3.495471	1.857149	0.007699	-0.81938	-2.29043	-5.19366	-6.7772	-7.70073	-10.7162	-13.2424	-12.3694	-14.7752	-21.3526	-22.5132	-18.9668	-23.3828	-25.7636	-22.0632	-23.147	-22.6656	-22.7441	-27.7294	-23.8581	-23.6144	-22.4612	-26.5211	
5	6.8979784	6.739921	6.476793	5.732724	5.389995	5.763944	5.594867	4.416588	3.527506	3.198943	1.9302	0.256035	-0.27027	-1.92837	-4.77273	-6.52691	-7.98991	-11.3044	-13.1936	-12.4938	-14.9218	-20.4158	-20.4642	-18.6558	-18.7863	-17.3341	-26.5471	-23.2605	-24.0828	-21.6393	-21.1779	-26.5947	-24.148	-23.4429	-21.8859	-25.4285
10	6.8979784	6.790304	6.596668	5.876573	5.388198	5.586367	5.367043	4.064451	3.038586	2.909727	2.073152	0.579072	-0.11987	-1.98367	-5.27424	-6.96125	-12.427	-14.2307	-12.1302	-12.4937	-15.0362	-20.3902	-22.1333	-24.4047	-21.6226	-23.0007	-21.7641	-21.3041	-26.7994	-24.5482	-23.1982	-21.2428	-24.3654	-25.4285		
15	6.8979784	6.849471	6.714191	6.01832	5.369982	5.338775	5.029116	3.655667	2.400043	2.380501	1.925779	1.00874	0.65377	-0.13568	-1.82594	-3.10453	-4.55113	-7.75418	-10.3672	-10.8124	-13.0664	-16.6537	-16.4683	-16.562	-22.5326	-27.6357	-26.6553	-20.5775	-21.7231	-22.4081	-23.0511	-28.3741	-24.8421	-22.8702	-20.5847	-22.3824
20	6.8979784	6.903400	6.826462	6.161422	5.366745	5.062136	4.673536	3.283441	1.939892	1.614654	1.296619	0.857566	0.719340	0.259144	-0.86761	-1.98519	-2.99046	-5.48126	-8.2195	-9.9258	-12.7562	-15.9581	-19.1759	-21.7862	-24.2676	-20.3919	-20.8883	-22.7031	-26.379	-20.5836	-25.0477	-22.4743	-19.94	-22.9288	-23.984	
25	6.8979784	6.951741	6.931123	6.309472	5.414478	4.827093	4.25358	3.038669	1.719021	1.011446	0.524981	0.180628	0.064944	-0.35213	-1.36763	-2.4581	-3.61974	-6.26292	-7.7089	-8.6583	-10.0979	-12.9206	-14.0514	-14.7533	-16.5263	-17.8839	-20.0645	-19.4521	-19.9157	-22.3304	-29.8679	-30.6533	-25.3972	-22.0095	-19.3199	-21.7188
30	6.8979784	6.997715	7.026208	6.463798	5.539399	4.713747	3.959931	2.961961	1.925942	1.026301	0.295941	-0.4052	-0.95593	-1.6988	-5.44332	-5.95966	-9.42544	-8.96361	-13.1053	-14.4324	-14.2292	-15.9993	-17.6944	-19.3135	-18.2103	-18.4356	-21.5873	-28.2289	-28.3523	-26.0715	-21.4269	-18.7279	-20.0177	-20.828		
35	6.8979784	7.039320	7.110029	6.621932	5.74472	4.771716	3.822625	3.02831	2.399669	1.681246	0.627694	-0.67632	-1.97103	-3.67561	-5.67372	-6.87218	-7.70929	-9.8679	-12.3866	-12.6538	-12.942	-14.3783	-15.2721	-14.5803	-16.1373	-19.8238	-20.7184	-17.6282	-17.399	-21.0591	-24.5451	-26.1858	-26.7693	-20.6587	-18.1686	-20.4609
40	6.8979784	7.076137	7.181127	6.777558	6.007888	4.99156	3.869252	3.177828	2.878196	2.322749	1.08949	-0.69546	-2.66956	-4.78672	-8.46754	-10.1817	-10.8024	-13.2167	-16.7775	-16.972	-15.616	-16.2084	-17.7254	-16.5789	-17.6702	-21.1053	-20.8952	-17.7709	-17.5386	-21.0321	-21.7065	-24.7064	-26.3002	-19.6968	-17.6522	-19.9758
45	6.8979784	7.107895	7.238311	6.921926	6.290344	5.307448	4.063903	3.357831	3.221668	2.80015	1.603764	-0.21814	-2.26874	-4.88656	-7.88954	-9.45487	-10.8185	-14.3891	-18.4944	-20.2625	-25.9906	-19.5912	-22.203	-20.0645	-18.9678	-20.2419	-19.8671	-18.7229	-19.0768	-21.0774	-19.724	-23.8234	-24.1299	-18.6339	-17.1967	-18.9828
50	6.8979784	7.134549	7.28076	7.046036	6.552353	5.634333	4.324061	3.529882	3.412666	3.106769	2.118596	0.631261	-1.06667	-3.26643	-5.83062	-7.48677	-9.07713	-12.8329	-16.1409	-17.2619	-25.2513	-26.8233	-29.2414	-23.6246	-19.9732	-21.1175	-20.7829	-20.8091	-21.5412	-20.332	-18.4784	-23.3691	-21.4983	-17.6197	-18.6264	-19.28
55	6.8979784	7.156233	7.308135	7.142738	6.764404	5.903039	4.525063	3.645242	3.45991	3.239072	2.491289	1.33622	-0.15521	-3.23994	-5.04178	-7.02309	-8.77587	-11.8869	-15.0907	-15.7409	-28.1284	-27.7051	-27.326	-25.851	-21.1326	-24.0137	-23.6006	-23.432	-22.6764	-19.031	-17.9011	-23.1201	-19.2643	-16.7948	-16.568	-19.0666
60	6.8979784	7.17325	7.320688	7.20808	6.912155	6.072042	4.670401	3.640571	3.34415	3.140047	2.518476	1.529412	0.38087	-1.15631	-3.18143	-4.6006	-6.31848	-22.66	-33.5949	-27.4033	-22.8777	-24.9622	-24.4121	-24.3936	-22.1278	-18.1693	-22.5564	-17.6172	-16.265	-16.4467	-18.9424	-19.28	-16.467	-18.9424		
65	6.8979784	7.186062	7.31931	7.241684	6.996141	6.140495	4.648062	3.476552	3.063023	2.800585	2.119388	1.08522	-0.40433	-2.88349	-6.20958	-8.87451	-10.5553	-12.5211	-14.3028	-14.6272	-15.8368	-20.3389	-25.694	-24.5376	-23.9279	-24.105	-23.633	-24.7962	-22.5706	-18.0908	-18.2651	-21.4808	-16.5607	-16.1102	-16.4835	-18.908
70	6.8979784	7.195262	7.305514	7.246209	7.028147	6.133677	4.512942	3.179624	2.695369	2.37831	1.517617	0.307993	-1.16925	-3.5513	-6.57434	-8.93342	-11.2414	-14.7736	-16.7847	-15.9787	-16.5146	-19.231	-21.8105	-21.397	-23.3684	-23.9428	-23.7875	-25.9495	-24.8719	-18.6328	-18.8013	-20.2623	-16.0905	-16.4048	-16.691	-18.9641
75	6.8979784	7.201552	7.281366	7.226244	7.025492	6.096753	4.346679	2.847716	2.365532	2.039889	1.101823	-0.24577	-1.49477	-3.42925	-5.81302	-7.7969	-10.8938	-16.2716	-17.5191	-17.112	-18.4394	-20.1323	-21.4603	-21.0349	-24.3597	-24.7466	-23.9499	-25.8254	-28.1116	-19.552	-19.5043	-19.4087	-16.2382	-17.2393	-17.0694	-19.1118
80	6.8979784	7.205712	7.24937	7.187028	7.00446	6.075086	4.254052	2.620311	2.149869	1.980661	0.970535	-0.47155	-1.57058	-3.29801	-5.76501	-7.86448	-10.7458	-15.2707	-16.7042	-18.2598	-20.4246	-23.9352	-22.7065	-28.3484	-26.5198	-24.0735	-25.0093	-30.3272	-20.988	-20.7332	-19.2048	-17.091	-18.74	-17.5991	-19.3519	
85	6.8979784	7.208568	7.212339	7.133417	6.974847	6.0393015	4.305533	2.619123	2.078975	1.902109	0.871522	-0.709	-1.8951	-3.61236	-5.43702	-7.87388	-11.0158	-14.9608	-16.0295	-18.0394	-24.9462	-24.9436	-24.3687	-30.952	-27.2014	-24.3593	-25.6428	-32.8393	-23.4002	-20.6352	-19.7276	-18.8226	-21.0532	-18.23	-19.6854	
90	6.8979784	7.212305	7.173276	7.069408	6.937771	6.142338	4.487295	2.864382	2.192497	1.812671	0.611807	-1.2278	-2.73985	-4.62273	-6.74176	-9.47191	-10.4889	-12.9068	-14.9604	-16.7152	-23.4745	-25.2099	-24.8522	-30.0711	-26.5318	-24.7444	-27.9025	-29.9129	-26.135	-26.0476	-20.8333	-21.7497	-23.9716	-18.8734	-20.1128	
95	6.8979784	7.213675	7.135225	6.989275	6.88769	6.189576	4.710408	3.241207	2.4941	1.849553	0.98464	-1.66024	-3.4669	-5.59991	-8.20355	-9.3124	-10.7029	-12.2435	-14.5105	-16.8914	-22.516	-22.5601	-23.7326	-23.1429	-25.5558	-25.9705	-20.4978	-30.1132	-24.4556	-25.8572	-28.906	-21.9571	-26.1653	-25.0944	-19.4107	-20.6333
100	6.8979784	7.217479	7.101315	6.932134	6.817345	6.19507	4.870869	3.57998	2.887694	2.78206	1.506973	-1.23053	-3.58993	-7.74759	-11.8156	-14.7162	-16.1492	-18.3963	-21.7826	-23.6631	-25.7974	-25.3607	-25.5632	-25.5959	-28.8303	-21.8225	-24.5916	-26.5989	-22.2774	-28.6355	-22.6999	-19.7399	-21.2444	-20.6333		
105	6.8979784	7.223007	7.074354	6.847511	6.722021	6.134398	4.902179	3.758239	3.228488	2.638105	1.356363	-0.1098	-1.25378	-3.0102	-5.62347	-8.56101	-11.3407	-14.8536	-17.2839	-19.9712	-21.209	-23.4533	-23.6639	-27.5206	-27.7351	-24.7956	-25.2685	-26.5436	-21.743	-25.5366	-23.3472	-21.9027	-25.3346	-19.9804	-19.8402	-21.9386
110	6.8979784	7.230776	7.075012	6.775797	6.607798	6.006643	4.794208	3.737889	3.40695	3.07518	1.28252	-0.764409	-0.28297	-1.88805	-4.55424	-6.28297	-8.88058	-12.3283	-16.5047	-17.1898	-19.0974	-27.1917	-27.2621	-26.8749	-25.5803	-24.3756	-23.627	-26.7206	-24.2304	-29.6501	-21.8784	-21.7602	-22.7545	-17.9839	-19.7892	-22.7001
115	6.8979784	7.241144	7.051559	6.71308	6.481745	5.835765	4.990259	3.553888	3.46636	3.243389	2.31053	0.829981	-0.67594	-2.65474	-5.83768	-8.48284	-10.4454	-13.2383	-16.5047	-17.9399	-21.3376	-27.255	-28.8458	-26.2442	-24.0408	-26.7021	-23.2077	-20.851	-27.0627	-29.5784	-20.9401	-21.797	-21.6907	-16.8207	-19.7087	-23.4971
120	6.8979784	7.254209	7.059781	6.664778	6.393598	5.662589	4.737321	3.310048	3.162671	3.096175	2.051385	0.888156	-2.30799	-4.68147	-8.23807	-11.5681	-13.5658	-15.9417	-18.9249	-21.3993	-23.4638	-22.7128	-23.0818	-28.3794	-29.538	-28.8666	-22.6806	-30.0376	-23.5458	-23.9282	-19.7999	-22.2386	-21.6801	-16.3013	-19.7026	-24.7225
125	6.8979784	7.27022	7.082881	6.649086	6.255532	5.530605	4.238809	3.142068	2.939731	2.825356	1.569719	-0.77422	-3.67699	-6.82827	-8.93597	-13.1573	-15.7566	-18.9678	-22.702	-23.8831	-23.1923	-24.594	-27.722	-29.6329	-24.5494	-25.7126	-26.6373	-20.8893	-18.2765	-20.73	-22.1912	-16.2934	-19.8289	-24.9969		
130	6.8979784	7.285724	7.121388	6.63149	6.181866	5.469417	4.252527	3.160801	2.854112	2.610004	1.271165	-1.1934	-3.39432	-6.95638	-10.1461	-12.6827	-14.1065	-14.8888	-16.4846	-18.5487	-19.1927	-22.0088	-25.28	-27.2326	-29.3931	-24.5411	-24.1098	-26.0597	-20.0254	-19.8408	-17.0284	-18.6851	-22.6165	-16.7357	-20.0882	-25.3771
135	6.8979784																																			

Raw data – ANT10 (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	6.9488565	6.680536	6.771514	6.4331	5.970852	6.167	6.128099	5.000186	3.969053	3.575422	1.990843	0.066559	-0.13733	-0.10023	-5.47113	-6.46426	-7.36914	-8.12796	-12.1035	-11.5033	-15.7956	-21.381	-16.1165	-15.5111	-20.8762	-22.8891	-19.6497	-19.914	-21.058	-20.4844	-23.1005	-22.701	-26.3586	-20.6029	-22.0046	-24.9773
5	6.9488565	6.738418	6.761153	6.334122	5.862687	6.016871	5.879771	4.692341	3.763756	3.425267	1.958584	0.080086	0.092632	0.200285	-0.08204	-5.02724	-6.38919	-6.01888	-11.8999	-11.6738	-15.0012	-19.4234	-16.8939	-15.9691	-18.6961	-21.8049	-19.9704	-21.4294	-23.2521	-21.673	-24.6387	-22.8494	-26.1286	-21.3882	-22.0278	-25.1476
10	6.9488565	6.787875	6.743391	6.233074	5.735212	5.815622	5.538532	4.260873	3.420093	3.20431	2.073245	0.161444	0.161448	0.268574	-0.09828	-4.60754	-5.34644	-5.03658	-10.9899	-11.9909	-16.281	-19.4482	-17.6565	-18.3395	-19.9966	-18.7466	-21.4597	-26.2742	-23.3455	-27.7596	-23.8658	-25.5229	-22.3855	-22.4744	-25.7088	
15	6.9488565	6.833204	6.722296	6.141193	5.609174	5.584616	5.148781	3.793111	3.076342	3.166063	2.226781	0.794711	0.048419	-1.08228	-0.06006	-4.78097	-5.6184	-5.06557	-10.7079	-11.8612	-16.5047	-20.3982	-18.2559	-19.3341	-19.5932	-20.9669	-19.262	-20.5224	-26.8786	-24.6332	-29.3287	-25.2265	-24.7524	-23.4996	-22.6876	-25.6552
20	6.9488565	6.871075	6.701921	6.073592	5.512576	5.353997	4.751931	3.35804	2.739784	2.955192	2.206786	0.796748	0.046122	-1.5421	-0.59608	-5.83459	-6.56046	-5.99616	-11.4922	-15.4522	-15.7904	-19.0487	-18.6879	-19.9469	-19.498	-20.7894	-21.7128	-20.8488	-25.8913	-25.4082	-27.3642	-25.8081	-23.9115	-24.5784	-23.2003	-26.0012
25	6.9488565	6.905377	6.685611	6.043568	5.473985	5.159619	4.386211	3.10085	2.4657	2.642211	1.830745	0.293905	0.861322	-2.66568	-0.56344	-6.86269	-7.56786	-11.9133	-13.3368	-12.5902	-14.8154	-18.9396	-17.22	-19.5549	-21.1517	-19.5561	-22.0121	-21.2314	-24.529	-25.8018	-25.6856	-24.9634	-23.0814	-25.4285	-23.731	-26.395
30	6.9488565	6.932569	6.675365	6.058545	5.513096	5.038191	4.093271	2.784097	2.341173	2.405548	1.367433	-0.55469	-2.0895	-4.44019	-0.02152	-8.90028	-9.94098	-12.6458	-16.9708	-14.3622	-13.8019	-20.8929	-22.2437	-21.4912	-23.9755	-26.0961	-25.1435	-23.4951	-22.3836	-25.9201	-24.1178	-26.084	-23.6194	-26.9485		
35	6.9488565	6.961109	6.671434	6.117158	5.632155	5.016024	3.91538	2.708763	2.435288	2.495132	1.329336	-0.7903	-2.45154	-4.93081	-0.20306	-10.5266	-11.1228	-16.1128	-21.3867	-18.004	-10.5739	-21.0131	-20.2988	-17.2664	-20.7212	-24.7561	-25.0084	-21.7463	-24.0487	-26.5193	-25.5047	-22.2047	-21.9599	-26.0974	-24.4855	-27.2049
40	6.9488565	6.972633	6.672262	6.208902	5.813309	5.09441	3.876186	2.782687	2.707456	2.867679	1.766082	-0.34698	-1.87529	-3.76633	-1.7404	-9.24474	-10.951	-15.2498	-18.6514	-19.1672	-22.0782	-24.0088	-21.4724	-16.606	-18.5891	-26.5057	-26.9414	-20.9216	-23.7162	-26.853	-26.5887	-21.3813	-21.9439	-26.1223	-24.5699	-27.5707
45	6.9488565	7.002304	6.674786	6.316585	6.023976	5.243329	3.95505	2.965169	3.008693	3.231426	2.231992	0.245613	-1.25121	-2.80409	-5.40394	-7.4523	-9.72256	-13.9325	-15.8602	-16.6705	-25.0509	-27.6409	-24.5461	-18.6068	-19.9145	-27.4679	-25.8197	-20.1138	-23.7052	-26.9729	-28.1307	-21.087	-22.4482	-26.103	-24.432	-27.6946
50	6.9488565	7.017772	6.675054	6.420386	6.227032	5.514126	4.08359	3.163589	3.18765	3.202252	2.50372	0.564191	-0.29379	-2.63816	-1.52157	-10.7077	-12.4785	-16.7063	-18.1739	-15.0412	-14.7472	-22.7717	-20.8651	-22.5213	-22.5454	-24.2531	-23.1172	-20.1496	-25.2017	-26.1853	-28.6197	-21.29	-23.5404	-25.9879	-24.7418	-27.4558
55	6.9488565	7.030909	6.668891	6.501867	6.390402	5.5466	4.16772	3.253636	3.14244	3.00437	1.975345	0.41008	-0.80283	-2.62642	-6.02112	-8.35447	-9.63717	-12.5452	-14.4808	-14.2439	-19.9486	-27.8678	-27.3483	-24.5221	-23.2665	-21.7129	-21.5578	-21.1279	-28.4103	-24.0624	-26.7161	-21.9037	-25.0957	-25.5956	-23.6284	-27.4548
60	6.9488565	7.041876	6.653163	6.546833	6.492769	5.614939	4.139349	3.13497	2.81986	2.354449	1.084323	-0.46938	-1.3911	-2.97108	-6.50088	-8.91142	-10.0662	-12.4979	-14.5499	-14.2454	-19.9447	-27.6522	-23.6521	-24.7659	-22.4892	-22.9493	-23.8966	-31.5827	-22.0548	-24.5937	-22.8302	-26.2825	-24.8052	-23.0676	-27.0755	
65	6.9488565	7.051216	6.625417	6.546774	6.525135	5.610345	3.990873	2.792962	2.250666	1.476761	-0.11526	-1.94534	-2.87324	-4.47307	-7.7391	-9.479	-10.9912	-13.7651	-15.8432	-16.8472	-17.156	-18.0689	-18.7765	-21.405	-26.9671	-25.0515	-27.138	-27.5316	-28.4533	-21.0299	-23.6083	-23.9865	-26.5399	-23.7307	-22.4715	-26.5333
70	6.9488565	7.059571	6.58531	6.499211	6.489436	5.553173	3.788291	2.331901	1.589425	0.646843	-1.10332	-3.00357	-4.14599	-6.31569	-10.073	-10.9707	-12.4785	-16.0109	-18.3187	-21.0203	-18.3788	-24.3974	-22.3957	-31.5091	-28.6184	-29.2426	-24.7332	-24.6243	-20.9893	-23.8765	-25.1713	-23.6258	-22.6322	-21.886	-25.9505	
75	6.9488565	7.067862	6.534298	6.407354	6.395439	5.478456	3.648438	1.956757	1.0577	0.142086	-1.52404	-3.18449	-4.19908	-6.47469	-9.82163	-10.1501	-11.6176	-15.6874	-17.8889	-19.8604	-18.9084	-18.1054	-20.6139	-22.6252	-27.0003	-30.1329	-27.5816	-22.1133	-23.3043	-21.6634	-25.0823	-25.792	-21.6771	-21.73	-21.3472	-25.3567
80	6.9488565	7.076372	6.475685	6.279423	6.256992	5.416614	3.671941	1.876277	0.80568	-0.04037	-1.608	-3.39003	-4.43617	-6.54161	-9.22395	-9.55549	-10.8888	-13.7488	-15.3966	-17.1391	-19.4987	-19.581	-23.2421	-23.1352	-23.1407	-27.4306	-25.8549	-21.5718	-24.5739	-22.5034	-26.2816	-25.2947	-20.3089	-21.1451	-20.8791	-24.7861
85	6.9488565	7.086512	6.414348	6.127736	6.088755	5.375418	3.636343	2.146087	0.848121	0.13751	-1.81357	-4.12539	-5.7515	-7.83247	-10.3221	-10.9754	-12.575	-15.0542	-16.4286	-17.0869	-18.6883	-19.4189	-24.5653	-24.2348	-22.4955	-28.2737	-24.9579	-22.1804	-28.8455	-22.6028	-26.3602	-24.1797	-19.5873	-20.9197	-20.4922	-24.2578
90	6.9488565	7.095564	6.356204	5.96758	5.904559	5.339641	3.47125	2.609331	1.1122	0.425043	-2.17892	-5.00211	-6.25379	-7.92509	-10.5725	-15.2439	-17.0237	-18.943	-19.7666	-18.6889	-20.3707	-26.2625	-25.5556	-27.0072	-31.8582	-25.4557	-23.5372	-32.9235	-21.8412	-25.9576	-23.2679	-19.489	-21.0333	-20.1842	-23.7944	
95	6.9488565	7.114528	6.307867	5.815726	5.717962	5.265067	4.30729	3.023263	1.471503	-0.22302	-2.2129	-4.44767	-6.19399	-8.39884	-11.2028	-12.2009	-13.4341	-15.7979	-17.7972	-17.3206	-18.5004	-21.8021	-29.8932	-28.7088	-23.906	-30.8735	-26.6854	-25.5032	-28.5574	-21.2435	-26.4177	-22.9021	-20.0364	-21.3849	-19.9426	-23.9645
100	6.9488565	7.138578	6.275232	5.688519	5.54411	5.141487	4.32391	3.206645	1.75435	0.07181	-1.65517	-2.87627	-6.08495	-5.30917	-7.62705	-10.7818	-11.9172	-12.5752	-15.5425	-17.0318	-17.889	-20.4008	-25.4979	-25.6871	-23.1857	-27.731	-27.1988	-27.1591	-26.2576	-21.6083	-28.6821	-23.0822	-21.2023	-21.7491	-19.7492	-22.9544
105	6.9488565	7.157488	6.263817	5.596975	5.40009	4.970267	4.153149	3.088471	1.808647	0.337194	-0.98723	-1.72415	-2.27433	-3.78102	-6.08412	-7.45671	-8.56529	-11.0328	-14.1647	-16.8519	-17.673	-19.4828	-24.5774	-24.6615	-22.3052	-25.7421	-27.6535	-28.1278	-26.7179	-23.3599	-24.5118	-23.641	-22.9564	-21.7934	-19.5869	-22.6113
110	6.9488565	7.185598	6.276961	5.558217	5.362629	4.786891	3.856689	2.769937	1.631429	0.375025	-0.84435	-1.69983	-2.43343	-4.00161	-6.45912	-8.00506	-9.28986	-11.8394	-15.1194	-17.2017	-17.8996	-20.9857	-26.6375	-29.5288	-23.3884	-25.077	-30.5102	-29.8181	-30.2508	-26.9221	-24.382	-24.3485	-24.9975	-21.3026	-19.4462	-22.2786
115	6.9488565	7.218163	6.316434	5.567242	5.270967	4.642842	3.550545	2.398467	1.37497	0.235336	-1.26396	-2.80252	-4.06554	-5.59031	-8.85812	-10.9807	-12.3018	-14.6899	-17.8835	-19.2521	-19.8464	-22.3316	-28.8361	-38.908	-24.7031	-24.3976	-39.2808	-31.8266	-38.8268	-31.7891	-30.9357	-25.0229	-26.2898	-20.4118	-19.3301	-21.9537
120	6.9488565	7.258431	6.3819	5.623996	5.300872	4.579971	3.344807	2.168411	1.29402	0.27331	-1.63391	-4.00057	-6.13512	-8.50548	-12.0286	-14.4491	-14.7125	-15.8881	-18.7077	-19.9926	-19.1977	-20.5525	-22.0094	-31.5062	-24.0818	-22.648	-33.2889	-29.6099	-32.6244	-31.6559	-27.139	-25.7484	-25.8517	-19.4489	-19.2534	-21.8286
125	6.9488565	7.299702	6.47119	5.721208	5.387955	4.613678	3.288429	2.129875	1.419189	1.75962	-1.51015	-5.45664	-7.17797	-9.16797	-11.6149	-12.7732	-12.7871	-15.5637	-18.0623	-22.7772	-21.1578	-28.3011	-36.3554	-28.6083	-29.9219	-25.6432	-26.7042	-34.5219	-18.6733	-24.7042	-24.5219	-18.6733	-19.2379	-21.2192		
130	6.9488565	7.337731	6.580686	5.840009	5.516521	4.733434	3.363983	2.215073	1.630618	0.885369	-1.10666	-4.46939	-5.35851	-6.19385	-10.2061	-11.1126	-11.2668	-11.8684	-14.6283	-18.0582	-18.8122	-18.3738	-21.5171	-18.7453	-24.1263	-21.1521	-27.8537	-25.1213	-29.2019	-28.9963	-25.0362	-27				

Raw data – ANT10 (6.425GHz)

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	5.83827	5.592404	5.965658	5.84229	5.506789	5.950001	6.269813	5.252313	3.824454	3.184206	1.774566	0.115584	-0.1594	-1.97998	-5.984426	-6.81286	-4.551455	-11.5523	-12.7998	-12.7949	-17.6712	-20.7024	-15.3003	-16.2975	-20.6849	-19.7344	-18.5593	-19.8931	-20.4424	-22.6185	-24.2501	-23.4033	-21.4268	-20.2447	-22.2687	-23.3245	
5	5.83827	5.664072	5.954684	5.76145	5.451746	5.835217	6.040945	5.151407	4.110563	3.572838	2.189525	0.800466	-0.454099	-0.84797	-4.5759	-6.98265	-7.33891	-12.3142	-12.9667	-12.8775	-19.7712	-19.8773	-18.1111	-17.3555	-18.7311	-19.0507	-19.5391	-21.5109	-24.247	-27.5338	-25.4255	-21.1406	-20.991	-22.347	-23.7363		
10	5.83827	5.731161	5.938522	5.678844	5.404311	5.720598	5.757629	4.896172	4.23752	3.893267	2.407552	0.804926	-0.241494	-0.7796	-4.11761	-5.15346	-6.30722	-11.3617	-13.6065	-13.7675	-17.6607	-20.8214	-18.6407	-18.5407	-20.5042	-19.2984	-19.1444	-18.6526	-19.9653	-21.4344	-22.0001	-24.6123	-26.3335	-21.1631	-21.7027	-22.0453	-24.0294
15	5.83827	5.795267	5.920396	5.595402	5.345544	5.609177	5.455792	4.472158	4.059132	3.932802	2.43409	0.336805	-0.2821	-1.99035	-6.56581	-6.85573	-10.3346	-13.294	-14.224	-18.3901	-22.9906	-18.5845	-20.451	-22.6364	-21.2183	-19.1971	-19.0045	-20.9035	-21.5591	-22.1516	-25.2045	-21.3342	-22.1724	-21.5319	-24.1982	-24.0192	
20	5.83827	5.855598	5.90425	5.516237	5.265025	5.460468	5.122504	3.956633	3.562736	3.588351	2.241071	0.01441	-1.47019	-3.22015	-6.74146	-8.72411	-8.75143	-12.2689	-13.522	-14.5352	-18.9693	-21.963	-19.286	-21.2068	-23.7372	-22.3239	-20.6859	-18.171	-19.8549	-22.5936	-21.5946	-23.7766	-21.3562	-22.1938	-20.885	-24.2548	
25	5.83827	5.912387	5.894278	5.451111	5.17288	5.286005	4.837707	3.530457	2.956903	2.986447	1.857899	-0.16206	-1.6134	-3.79406	-6.86801	-9.98032	-10.2769	-15.1334	-16.4543	-17.8698	-23.4708	-19.7156	-20.389	-24.259	-20.4646	-22.0151	-19.2785	-19.6966	-23.5016	-22.1829	-22.6621	-21.0484	-21.7801	-20.1202	-21.2213	-24.0066	
30	5.83827	5.9666	5.894256	5.431116	5.086282	5.105683	4.646669	3.400882	2.695919	2.505591	1.399965	-0.57642	-1.97006	-4.2489	-7.29599	-7.03194	-8.25908	-14.1633	-15.9161	-16.3518	-19.5601	-21.3531	-19.1228	-17.3151	-21.7075	-19.7634	-22.2773	-22.2988	-21.5339	-24.124	-23.4067	-21.6413	-20.4799	-21.1836	-19.6202	-24.1406	
35	5.83827	6.018325	5.906801	5.415219	5.039154	4.953178	4.575765	3.626179	2.974712	2.613985	1.322803	-0.75114	-2.10084	-3.87547	-6.71881	-9.32767	-10.5905	-15.1202	-16.4365	-17.6765	-21.3732	-20.1756	-20.3941	-22.3984	-25.6658	-24.1007	-24.7419	-25.0484	-24.6754	-20.5779	-19.9667	-20.6685	-19.1192	-20.3435	-24.0036		
40	5.83827	6.06775	5.932711	5.465408	5.062468	4.865832	4.595734	4.043421	3.657681	3.228187	1.821673	-0.25287	-1.1321	-3.2022	-4.99326	-6.08751	-7.80207	-12.6422	-13.9712	-15.320	-17.9926	-21.7632	-21.6704	-18.2873	-18.4657	-22.6238	-21.0496	-22.1991	-25.3298	-25.068	-24.5478	-19.5781	-19.7959	-20.3584	-18.723	-23.9305	
45	5.83827	6.114952	5.97059	5.562492	5.117234	4.868404	4.667998	4.426309	4.216975	3.707165	2.201921	0.117884	-0.50899	-1.32056	-3.95989	-4.74885	-6.83521	-12.7467	-12.6201	-17.7078	-16.4552	-21.8146	-21.5294	-18.8456	-18.747	-20.6735	-26.6402	-20.881	-24.7902	-24.1369	-22.9277	-18.8096	-20.0766	-20.2097	-18.414	-23.8255	
50	5.83827	6.159908	6.016913	5.694837	5.353205	4.975752	4.751623	4.647566	4.410396	3.687846	2.004158	-0.08745	-0.81267	-1.64126	-3.91997	-5.18294	-6.57897	-10.3277	-12.1446	-11.4757	-15.7651	-22.7084	-23.8081	-19.5017	-20.9462	-21.3711	-26.4306	-20.86	-26.3288	-23.2749	-21.3494	-18.3405	-20.6336	-20.0283	-18.1638	-23.8153	
55	5.83827	6.202531	6.066538	5.842838	5.574305	5.098997	4.81457	4.691714	4.272874	3.208106	1.37325	-0.42191	-1.06365	-2.4702	-4.56585	-6.84273	-8.11586	-13.4768	-12.5451	-15.903	-21.7696	-22.1527	-19.0391	-21.6386	-20.7215	-24.981	-21.2231	-20.2171	-18.818	-20.2754	-18.0991	-20.8606	-19.5723	-17.9451	-23.8151		
60	5.83827	6.242707	6.113545	5.983781	5.791656	5.242196	4.812123	4.586134	3.950227	2.554311	0.564267	-0.89487	-1.31394	-3.03369	-6.25233	-7.68758	-9.45549	-13.426	-15.732	-14.2336	-16.1057	-19.8568	-20.2839	-19.2361	-24.2459	-20.9651	-23.0269	-21.6723	-20.2151	-19.8844	-19.5465	-17.9438	-20.1262	-18.7696	-17.7431	-23.9111	
65	5.83827	6.280357	6.152197	6.096743	5.90812	5.34396	4.720653	4.346436	3.57384	2.017643	-0.09251	-1.65335	-2.17237	-3.81056	-6.38191	-9.35068	-13.5556	-15.2757	-15.2731	-17.8872	-18.4694	-18.8444	-24.3927	-25.9423	-22.4897	-21.5622	-28.907	-18.2988	-19.1232	-17.8147	-18.7331	-17.8008	-17.562	-24.063	-24.063		
70	5.83827	6.315459	6.177822	6.16589	6.080063	5.380982	4.524176	3.96968	3.193335	1.772948	-0.18457	-1.95143	-2.96774	-4.95577	-7.58135	-9.0546	-9.73011	-13.0346	-13.9665	-16.0588	-19.7925	-18.508	-18.9362	-18.6209	-24.6109	-23.5604	-21.9201	-20.2031	-27.5498	-17.6453	-19.1728	-17.8111	-17.4293	-16.9202	-17.4227	-24.2946	
75	5.83827	6.348191	6.187469	6.181809	6.117843	5.633306	4.255436	3.451224	2.757741	1.673954	0.062742	-1.5681	-2.6496	-4.77684	-8.21392	-9.5444	-11.4489	-13.8906	-14.1773	-16.6571	-25.0282	-22.2934	-23.1855	-20.1367	-22.8016	-29.289	-22.2184	-18.9975	-28.022	-17.9053	-19.8236	-18.0938	-16.6132	-16.2994	-17.3538	-24.61	
80	5.83827	6.378757	6.180306	6.141454	6.081759	5.316102	4.009072	2.883274	2.200077	1.434621	0.070406	-1.46255	-2.82427	-4.06442	-7.44677	-9.10993	-11.1501	-14.0126	-14.0355	-14.8669	-23.8133	-23.2131	-23.645	-18.8813	-20.3018	-24.8153	-23.4193	-18.5772	-32.1073	-18.6344	-20.9624	-18.7483	-16.3998	-16.0079	-17.3799	-25.0063	
85	5.83827	6.40759	6.157744	6.047489	5.976714	5.263236	3.007265	2.488254	1.587178	0.901144	-0.45575	-2.25892	-3.30631	-4.65141	-7.60221	-8.31871	-10.3824	-14.1633	-13.8647	-17.883	-21.1249	-22.6225	-17.8536	-19.3308	-23.5167	-23.9644	-18.8425	-36.3114	-18.9636	-22.2224	-19.7085	-16.8088	-16.038	-17.5121	-25.4666		
90	5.83827	6.435232	6.123333	5.907666	5.808398	5.20398	3.99625	2.500912	1.188889	0.160601	-1.47208	-3.92714	-5.04441	-6.67555	-8.95118	-8.619	-11.3802	-16.3538	-16.0407	-14.0469	-16.5075	-20.7896	-20.1401	-19.4163	-20.6083	-24.5343	-23.5066	-19.9342	-28.5072	-18.6492	-23.4489	-20.7127	-17.8229	-16.3125	-17.7424	-25.9475	
95	5.83827	6.462319	6.082457	5.734513	5.583089	5.106975	4.171571	2.861587	1.263777	-0.3826	-2.46737	-5.45486	-6.96248	-8.3765	-10.3607	-10.1712	-13.1719	-17.9596	-17.468	-15.657	-20.289	-20.4094	-27.0082	-24.5375	-21.5138	-24.9236	-22.0689	-21.9033	-24.7617	-18.6337	-25.0962	-21.3401	-19.3896	-16.6735	-18.0389	-26.9635	
100	5.83827	6.489523	6.04183	5.545184	5.311517	4.928376	4.254249	3.236354	1.689938	0.28639	-2.5842	-5.25363	-6.8568	-8.03042	-9.65712	-10.2647	-12.4764	-16.3678	-17.2849	-17.5873	-19.1525	-19.8993	-24.1789	-18.9327	-21.9068	-26.032	-20.9409	-24.2211	-23.5609	-19.8723	-26.7202	-21.3357	-21.2578	-16.8983	-18.348	-26.9393	
105	5.83827	6.51748	6.008833	5.360935	5.051523	4.641734	4.103668	3.32722	2.06331	0.272314	-1.76143	-3.70469	-5.17044	-6.61033	-8.20512	-9.5808	-11.4015	-15.852	-17.9249	-19.4403	-23.7855	-21.0393	-23.9863	-25.6517	-21.0044	-26.6967	-24.2205	-23.0971	-24.905	-19.9777	-22.6883	-16.8091	-18.6027	-26.494			
110	5.83827	6.546723	5.990719	5.205452	4.731001	4.262884	3.6809	3.007556	2.086109	0.71535	-0.99666	-2.6105	-3.81151	-5.28592	-7.60931	-9.96641	-11.988	-13.7935	-15.5677	-16.7328	-17.1401	-19.8318	-25.231	-24.2107	-24.8798	-23.2929	-22.2738	-21.8009	-25.982	-27.6662	-21.5144	-20.8333	-22.7498	-16.158	-18.7441	-26.0006	
115	5.83827	6.577605	5.993761	5.101508	4.510584	3.863411	3.049516	2.396601	1.706883	0.806464	-0.73607	-2.47352	-3.64828	-5.37019	-6.82858	-9.12192	-11.391	-13.8423	-15.1899	-16.7504	-17.9025	-20.3734	-25.2326	-28.3573	-27.297	-22.1437	-22.9336	-23.1405	-25.3902	-25.9122	-19.3774	-21.3009	-21.6905	-18.7438	-25.1682		
120	5.83827	6.610024	6.01225	5.063625	4.407653	3.564864	2.384386	1.818328	1.140599	0.745141	-0.58832	-2.52282	-3.85707	-6.23767	-1.0648	-3.9856	-14.0121	-13.8763	-16.1436	-20.2674	-19.9573	-18.6586	-21.6007	-27.6626	-26.2858	-20.8631	-22.6855	-20.3245	-22.0172	-23.4321	-18.5679	-22.2756	-20.4124	-15.4576	-18.6133	-24.1319	
125	5.83827	6.644547	6.079212	5.107291	4.546983	3.50175	1.956172	1.66497	0.573184	0.771498	-0.23379	-2.29898	-4.08276	-7.08623	-12.0518	-12.9542	-13.8002	-13.1706	-16.4221	-22.031	-21.8881	-16.5509	-17.8695	-23.7246	-28.5113	-22.1082	-26.328	-25.41	-22.0538	-23.5522	-18.4991	-19.7398	-15.2295	-18.391	-23.0265		
130	5.83827	6.673916	6.163711	5.220217	4.655175	3.745791	2.001	1.048679	0.31217	0.834593	-0.10946	-2.03596	-4.21544	-7.32957	-12.2598	-14.3578	-18.9459	-17.2257	-15.4501	-20.1367	-16.1881	-18.3946	-26.7064	-27.9174	-21.1238	-22.0975	-23.2016	-24.3661	-18.2646	-17.7912	-18.7635	-15.2846	-18.12	-24.045			
135	5.83827	6.715383	6																																		

Raw data – ANT10 (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	5.9100894	5.825090	6.00067	6.027993	5.557208	5.892443	6.351617	5.146187	3.491982	3.474432	2.105794	-0.62573	-0.76487	-6.39	-7.31423	-6.77357	-7.86751	-16.3134	-15.4483	-13.6974	-16.5337	-17.3549	-16.1368	-20.836	-19.9967	-17.2809	-19.1613	-17.2659	-19.6338	-20.7855	-19.5792	-27.0645	-22.7578	-20.6702	-19.0007	
5	5.9100894	5.644138	6.030579	5.983713	5.554418	5.780626	6.081754	5.002038	3.787375	4.004966	2.932211	0.704053	0.94129	-1.62547	-6.14066	-5.91705	-7.31024	-14.924	-14.471	-16.1201	-21.7486	-23.7171	-17.4206	-17.0084	-22.0281	-18.0854	-17.7094	-17.4527	-17.9638	-19.1171	-22.3371	-20.6501	-27.9935	-23.3707	-20.1217	-19.2541
10	5.9100894	5.702508	6.032848	5.95764	5.561104	5.660598	5.757601	4.756356	3.963961	4.20245	2.131014	1.204151	0.61526	-1.50047	-5.5119	-7.10027	-8.16222	-12.0325	-13.5296	-15.3424	-16.2192	-22.327	-20.068	-21.6404	-18.5693	-20.8194	-25.2943	-21.7385	-27.6506	-23.9459	-19.3828	-19.5466				
15	5.9100894	5.757684	6.036099	5.932149	5.534864	5.505122	5.386973	4.420097	4.025046	4.05224	3.066153	0.609047	0.366526	-1.29152	-5.00723	-5.16106	-6.81472	-12.8189	-11.2362	-11.1797	-18.8672	-20.8578	-22.1113	-26.3512	-24.3666	-22.1522	-18.6502	-17.1978	-20.5537	-23.4754	-28.5714	-22.2614	-26.207	-23.8196	-18.4824	-19.8759
20	5.9100894	5.806586	6.042807	5.896182	5.452095	5.30327	4.959662	3.992941	3.904216	4.15121	2.920145	0.219521	-0.65126	-2.75064	-4.00222	-4.25561	-5.75006	-13.3777	-12.1191	-18.9426	-20.2351	-23.5066	-22.54	-20.9299	-19.675	-18.5883	-23.3661	-24.6778	-26.6204	-22.0233	-24.6434	-22.5329	-27.5025	-20.2408		
25	5.9100894	5.859067	6.051548	5.848891	5.313602	5.0996	4.647572	3.559392	3.515094	4.148625	2.920145	0.436281	-0.6418	-2.94563	-1.13527	-8.0553	-9.47736	-14.8622	-14.5256	-14.2621	-20.3036	-21.2781	-18.1043	-20.0933	-23.9591	-22.9382	-21.0544	-18.5015	-23.7735	-24.9392	-24.3465	-21.5184	-23.4224	-20.5598	-16.534	-20.6435
30	5.9100894	5.905681	6.060585	5.800259	5.145032	4.842773	4.446805	3.295907	2.960217	3.372104	2.210143	0.084799	-0.55939	-1.23767	-5.70094	-6.49946	-8.69226	-13.2775	-11.7802	-12.6222	-20.7589	-21.2645	-17.1257	-17.3739	-20.4716	-21.5736	-18.3093	-21.2645	-25.2192	-24.3216	-21.1623	-22.5364	-18.5846	-16.5571	-19.0271	
35	5.9100894	5.949847	6.085816	5.768006	4.991892	4.674589	4.48239	3.52351	2.720968	2.426261	0.99185	-0.87337	-0.78122	-1.79105	-4.15877	-4.30935	-6.40806	-11.3906	-10.8668	-11.6447	-17.1207	-17.3833	-17.583	-21.5182	-18.9254	-20.1434	-19.5544	-20.2417	-25.2036	-26.2725	-20.7297	-21.7939	-16.9298	-14.9319	-21.5899	
40	5.9100894	5.991732	6.115736	5.771171	4.906341	4.606886	4.721489	4.142206	3.185473	2.306439	0.616649	-1.10115	-0.61222	-1.79849	-4.73873	-4.58242	-6.07162	-11.2194	-11.8931	-12.9843	-19.5958	-19.5494	-20.7032	-21.3074	-24.3294	-21.5692	-24.769	-27.0087	-19.7084	-21.0387	-15.6873	-14.3976	-22.1952			
45	5.9100894	6.031445	6.155521	5.822249	4.92707	4.652552	5.029384	4.783697	3.948786	2.991032	1.3078	-0.24989	0.124426	-1.072	-4.69302	-5.93772	-6.49154	-11.315	-11.9899	-12.2567	-17.8985	-21.6194	-22.7078	-28.2823	-15.7523	-19.8269	-22.623	-20.8339	-24.4977	-23.7618	-23.6364	-18.2596	-20.322	-14.8737	-22.8163	
50	5.9100894	6.069035	6.20391	5.921357	5.000052	4.796172	5.287565	5.175461	4.17466	3.514829	1.866785	0.088338	0.135881	0.95242	-2.49538	-5.75899	-6.21254	-10.8085	-12.2215	-11.6016	-17.3607	-21.9346	-22.5079	-21.7258	-16.7471	-20.9754	-23.2049	-23.9239	-27.2346	-22.9412	-20.7991	-17.0437	-19.8529	-14.491	-13.9927	-23.5817
55	5.9100894	6.104502	6.257613	6.055507	5.276163	5.004971	5.459621	5.276243	4.419963	3.496555	1.891234	-0.19476	-0.95089	0.231472	-0.96433	-5.6133	-6.7762	-11.3092	-13.5605	-12.4276	-14.8898	-19.1568	-18.1281	-25.1408	-21.3364	-23.0591	-22.5263	-20.2906	-27.766	-22.4973	-19.3753	-16.4436	-19.8087	-14.5441	-14.1484	-24.4736
60	5.9100894	6.137825	6.311796	6.203084	5.527626	5.236593	5.566641	5.201795	4.108182	3.047787	1.493829	-0.56543	-1.72963	-1.29829	-6.49796	-8.26236	-10.9352	-15.9172	-14.7291	-15.9935	-22.9398	-20.9682	-27.389	-21.4539	-20.2614	-18.4782	-25.8806	-21.4006	-18.8275	-16.5021	-20.1992	-15.0434	-14.5514	-25.5004		
65	5.9100894	6.168994	6.36096	6.340541	5.763695	5.444942	5.627449	5.095731	3.768385	2.494785	0.897773	-0.99552	-1.70483	-2.9849	-5.79137	-7.65254	-9.75712	-13.6337	-14.8835	-15.4277	-16.9193	-20.3659	-17.09	-16.2074	-24.9117	-24.6714	-20.5167	-18.7764	-26.0951	-19.8258	-18.689	-17.0625	-20.7716	-16.0012	-15.2004	-26.6249
70	5.9100894	6.19806	6.399947	6.44791	5.948236	5.590279	5.624266	5.005722	3.608432	2.212798	0.502071	-1.43338	-1.82861	-3.06351	-6.48106	-8.38704	-10.2122	-13.409	-12.7595	-13.9366	-19.0914	-22.0733	-18.2318	-14.6707	-19.4241	-28.5051	-21.211	-20.7267	-28.9383	-18.8587	-18.8812	-17.8523	-21.0326	-17.4165	-16.0834	-27.8195
75	5.9100894	6.225174	6.424807	6.511599	6.061416	5.651358	5.521274	4.856567	3.567192	2.25616	0.511144	-1.51934	-2.02396	-3.82509	-8.22351	-9.20457	-10.4201	-13.7508	-13.3742	-13.7322	-20.7637	-23.9673	-24.4849	-17.1774	-20.0072	-26.5217	-20.9681	-21.8383	-26.8275	-18.9437	-19.4882	-18.6046	-20.7182	-19.233	-17.1697	-28.8335
80	5.9100894	6.25062	6.433405	6.524818	6.096893	5.632325	5.315628	4.551947	3.401789	2.322729	0.716965	-1.24884	-1.93559	-4.12813	-9.17322	-8.95306	-10.4679	-14.2386	-15.3516	-14.5427	-21.2357	-24.2008	-26.8562	-22.2329	-21.3249	-25.153	-22.7424	-22.0655	-24.4917	-20.1146	-19.2376	-20.1779	-21.2457	-18.3988	-29.3752	
85	5.9100894	6.274834	6.425713	6.486796	6.056663	5.55807	5.076296	4.114753	2.950365	2.098108	0.714033	-1.22354	-1.90857	-3.80421	-7.112	-7.8906	-9.63974	-14.7069	-16.3988	-14.8058	-18.7724	-22.3839	-22.0372	-23.7579	-19.8657	-22.4765	-25.9056	-22.4484	-24.8657	-22.1857	-19.908	-19.9266	-19.9184	-23.024	-19.6754	-20.2159
90	5.9100894	6.296387	6.40385	6.401832	5.946115	5.455882	4.919255	3.751605	2.316801	1.475289	0.190907	-2.03675	-1.85938	-4.93286	-7.26032	-8.76481	-10.4216	-15.7868	-17.9958	-16.3401	-17.2725	-20.1025	-21.284	-23.9438	-20.7394	-22.8468	-28.8361	-22.0699	-25.4367	-23.2903	-19.1728	-21.0093	-20.2388	-24.2004	-20.8849	-28.4528
95	5.9100894	6.322014	6.371917	6.278774	5.771481	5.332067	4.901623	3.697265	1.886211	0.682223	-0.78565	-3.52978	-5.15991	-7.51426	-10.5925	-10.3944	-12.6822	-17.6029	-20.6023	-20.9059	-16.12	-19.4942	-25.5383	-23.0378	-21.5387	-25.297	-28.632	-21.5079	-24.9033	-23.079	-19.152	-22.841	-21.3034	-25.0688	-21.9439	-27.935
100	5.9100894	6.346465	6.335647	6.13101	5.540819	5.163153	4.943549	3.914366	1.964841	0.276744	-1.59404	-4.90842	-7.0853	-10.903	-11.1472	-12.5711	-15.9403	-21.5191	-17.9687	-18.5381	-23.5235	-20.7058	-25.5995	-25.0956	-21.6067	-26.1026	-20.4044	-20.7362	-25.5216	-23.3207	-26.2191	-22.8497	-26.2894			
105	5.9100894	6.372545	6.301905	5.976603	5.260862	4.912291	4.891039	4.120753	2.366469	0.599458	-1.27251	-0.88888	-6.0153	-6.65868	-7.86352	-8.77854	-10.0492	-15.1094	-17.37	-15.6694	-15.6448	-21.2631	-23.2296	-18.5356	-19.4974	-28.1737	-22.8427	-22.865	-31.604	-26.0667	-24.6054	-27.7816	-26.7882	-27.7802	-23.6668	-25.2645
110	5.9100894	6.400983	6.27801	5.837798	4.982693	4.558815	4.627728	4.086644	2.662854	1.240977	-0.2805	-2.21682	-3.54785	-4.77983	-6.25913	-7.51237	-9.18672	-14.7519	-16.8799	-19.4258	-22.8844	-22.1228	-19.7589	-25.3865	-21.0989	-25.6315	-32.2297	-25.0305	-26.7589	-27.5388	-31.7681	-28.0688	-24.4404	-24.36		
115	5.9100894	6.432364	6.270919	5.738964	4.728839	4.121963	4.123949	3.654149	2.570021	1.512536	0.388233	-1.10083	-2.14113	-3.64256	-5.34091	-7.81028	-9.81227	-15.6271	-20.1436	-16.8094	-16.1097	-25.0134	-27.6323	-18.72	-22.1228	-21.3823	-20.8327	-24.7223	-26.1398	-20.9513	-21.7189	-26.338	-28.4492	-25.488	-25.1467	-23.5796
120	5.9100894	6.467054	6.286367	5.702352	4.572484	3.69694	3.44589	2.996271	2.0374	1.357806	0.426567	-0.89433	-1.89986	-4.15968	-8.78534	-11.0304	-13.0664	-18.0322	-22.7209	-17.1967	-17.1032	-21.7454	-21.7069	-18.7621	-24.8482	-21.1969	-20.9269	-20.5931	-23.7821	-17.8095	-18.2667	-24.5382	-22.7241	-22.3919	-25.6725	-22.9137
125	5.9100894	6.495153	6.328084	5.742345	4.58026	3.430929	2.788459	2.020016	1.293452	0.981787	0.14851	-1.39952	-4.56855	-5.49455	-12.2957	-14.914	-19.9008	-26.9627	-19.247	-21.1128	-18.2462	-21.1128	-19.3809	-24.6628	-22.7304	-20.4529	-19.6527	-23.1982	-16.1496	-16.5885	-21.4166	-19.1113	-20.0978	-25.9113	-23.2502	
130	5.9100894	6.526341	6.39729	5.860579	4.779462	3.500225	2.478749	1.849646	0.716944	0.805091	0.094706	-1.3573	-3.15357	-6.69161	-11.5515	-14.9085	-12.2799	-22.6647	-16.2544	-17.4264	-18.3404	-17.7879	-19.5932	-18.839	-23.905	-23.0512	-22.8319	-21.4189	-21.5609	-16.0252	-15.9096	-18.3331	-16.9935	-18.7084	-25.8664	-21.8781
135	5.9100894	6.559063	6.49258																																	

Raw data – ANT10 (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	6.4972079	6.377161	6.829062	6.669573	5.965434	6.147172	6.372898	6.687104	2.953877	7.492292	2.081673	0.60947	0.37557	-2.0749	-6.56182	-5.65569	-7.76476	-16.2218	-13.0807	-14.3089	-20.1004	-22.1121	-19.2872	-20.848	-18.1448	-15.1405	-18.2398	-18.9595	-19.1386	-20.5003	-22.5463	-26.9832	-24.7655	-19.9206	-18.4726	
5	6.4972079	6.405663	6.744054	6.441083	5.696168	5.819749	6.083074	6.469559	3.537595	4.066945	3.063951	0.510629	0.183896	-2.01232	-6.54399	-5.00933	-6.47668	-13.1706	-12.1073	-13.979	-22.9536	-19.5669	-20.3713	-18.8354	-20.5425	-16.8905	-16.1493	-16.1148	-18.4918	-20.1197	-25.3847	-20.4791	-19.8063	-18.6587		
10	6.4972079	6.420486	6.665959	6.284786	5.495903	5.547851	5.862035	6.481049	3.757019	4.279017	3.329241	0.555804	0.189921	-1.85311	-7.00624	-5.99313	-6.99064	-12.2544	-10.58	-16.1632	-19.5708	-19.2163	-20.7403	-20.411	-19.171	-16.353	-14.6524	-18.6752	-22.0219	-25.6351	-23.138	-26.7905	-26.4641	-19.5862		
15	6.4972079	6.440357	6.597395	6.180219	5.383712	5.386986	5.791256	5.073816	4.12471	4.12632	2.779803	0.186406	-0.16194	-1.72549	-5.90184	-5.61744	-7.47045	-13.0219	-10.6884	-14.8458	-18.4855	-16.7884	-21.8546	-21.506	-19.1026	-15.0387	-15.8726	-19.921	-24.889	-22.4927	-23.2784	-25.8153	-27.0594	-19.1849	-19.1783	
20	6.4972079	6.460002	6.538798	6.114856	5.337712	5.286706	5.767436	5.331259	4.06207	3.91808	2.0958	-0.3314	-0.250	-1.66676	-6.73185	-4.25996	-6.50256	-13.3136	-11.4801	-19.0267	-13.4478	-15.1638	-16.0213	-22.2326	-20.43	-18.3075	-20.8064	-18.9988	-21.6007	-25.2196	-19.005	-20.1038	-21.2133	-26.1438	-18.5875	-19.5024
25	6.4972079	6.48012	6.488146	6.069853	5.332789	5.285346	5.74008	5.431108	4.69154	3.876819	1.967598	-0.04651	0.47532	-1.21094	-3.96573	-3.69268	-5.01649	-10.913	-10.1058	-10.2454	-15.7623	-17.2626	-16.3028	-16.7593	-20.9591	-19.5766	-20.1129	-19.2082	-21.1481	-24.176	-18.6298	-19.337	-18.6811	-24.5102	-17.8377	-19.865
30	6.4972079	6.492377	6.442746	6.026802	5.347068	5.338718	5.680704	5.289369	4.511264	3.763212	1.991656	0.078614	0.505688	-2.8903	-3.23037	-5.30198	-6.81068	-12.9039	-10.3045	-16.8628	-16.8009	-17.1886	-15.4022	-18.6025	-15.1129	-14.9042	-18.6043	-19.716	-22.0231	-18.766	-18.6469	-17.2503	-22.3437	-17.0263	-20.3065	
35	6.4972079	6.503144	6.400193	5.972879	5.354511	5.426924	5.632383	4.980349	4.011286	3.305363	1.684038	-0.14312	0.30342	-1.15364	-2.12132	-2.56511	-4.24742	-8.52409	-8.7611	-11.5584	-15.9493	-19.8849	-16.0246	-15.6708	-18.2756	-17.2914	-16.379	-19.4897	-19.8933	-21.6614	-20.1961	-18.5493	-16.5181	-20.2104	-16.2524	-20.7065
40	6.4972079	6.513851	6.359484	5.903573	5.338863	5.534019	5.687009	4.765924	3.470507	2.788856	1.466566	-0.09264	0.08371	-1.488051	-3.42303	-3.77187	-5.05686	-9.51909	-10.681	-11.5588	-16.54	-18.942	-17.3277	-18.9843	-18.2771	-19.084	-16.6838	-22.2445	-21.5352	-21.9347	-23.276	-18.391	-16.2608	-18.6064	-15.5975	-21.1924
45	6.4972079	6.524296	6.321343	5.823316	5.295139	5.641003	5.887722	4.886207	3.373423	2.745756	1.679213	0.34261	0.181581	-1.38062	-5.42303	-6.35783	-7.15925	-12.5477	-13.8122	-13.3126	-16.3849	-18.633	-17.401	-20.6462	-16.3125	-21.475	-19.3556	-24.7725	-22.8272	-22.1417	-25.2293	-17.5758	-16.5198	-17.4778	-15.1199	-21.729
50	6.4972079	6.535335	6.288079	5.744382	5.232744	5.727786	6.105572	5.26584	3.708035	3.033875	1.883586	0.2241	-0.06361	-1.40933	-5.3127	-7.00343	-7.54477	-12.0687	-10.6611	-13.4134	-16.3496	-18.405	-17.151	-22.7272	-17.4022	-22.777	-24.4065	-22.1241	-22.7724	-22.2641	-22.3892	-16.9733	-17.2871	-16.8312	-14.8598	-23.8186
55	6.4972079	6.547523	6.262955	5.684057	5.176506	5.786308	6.413802	5.644391	4.086479	3.254553	1.814504	-0.31275	-0.37537	-2.00931	-4.86824	-5.80628	-6.93504	-11.8742	-15.0728	-13.4322	-14.2532	-19.0987	-17.2279	-22.2515	-22.529	-22.6097	-24.8391	-18.8848	-22.5665	-22.1349	-19.6505	-16.5775	-18.7975	-16.6676	-14.8452	-22.9539
60	6.4972079	6.561359	6.249267	5.60065	5.162122	5.831135	6.571376	5.863853	4.284319	3.302305	1.702271	-0.40426	-0.76968	-2.17289	-4.89918	-5.90728	-7.21494	-14.9508	-14.4322	-14.9404	-19.9401	-18.8627	-22.5968	-22.4365	-22.0309	-17.6516	-22.8281	-21.0118	-18.3003	-16.8559	-21.4014	-16.9927	-15.008	-23.6066		
65	6.4972079	6.577264	6.249381	5.684939	5.222603	5.893305	6.640075	5.909438	4.263223	3.155012	1.545452	-0.27587	-0.2563	-1.35786	-4.53823	-6.56215	-8.59015	-13.1526	-14.3402	-14.4403	-17.1634	-21.7626	-21.4781	-15.6845	-20.8664	-27.0544	-22.0789	-18.5804	-23.5804	-19.5962	-18.2099	-17.9035	-25.5492	-17.8231	-15.6368	-24.2139
70	6.4972079	6.595951	6.264013	5.761178	5.376381	5.988339	6.64648	5.826087	4.075056	2.833461	1.252377	-0.39083	-0.22029	-1.32048	-4.63687	-6.24423	-8.72139	-13.6024	-13.1037	-12.8495	-18.9531	-23.3774	-22.3757	-14.6759	-17.9915	-34.319	-23.1498	-21.0288	-23.4925	-19.0258	-19.4268	-19.719	-28.8799	-19.1895	-16.4784	-24.6704
75	6.4972079	6.610646	6.291399	5.87369	5.605458	6.14619	6.602812	5.642266	3.801646	2.463166	0.852949	-0.93394	-0.93984	-2.33957	-5.83082	-6.497494	-9.41408	-15.586	-14.2298	-12.4962	-18.7017	-21.1871	-23.698	-16.9271	-18.3879	-26.2043	-24.5237	-23.2437	-22.5883	-19.7414	-21.9601	-21.9789	-25.4241	-21.1291	-17.633	-24.8471
80	6.4972079	6.624081	6.303236	6.020264	5.874302	6.310554	6.502676	5.344406	3.456618	2.17445	0.638035	-1.3621	-1.77546	-3.62848	-8.59149	-9.48129	-11.2469	-17.5757	-17.3131	-14.2968	-18.289	-20.7862	-20.6278	-21.1523	-19.4426	-22.4329	-26.6668	-24.7615	-22.7401	-21.833	-23.5842	-23.2551	-22.0588	-21.6797	-19.0899	-24.6562
85	6.4972079	6.666423	6.374951	6.159745	6.128029	6.453878	6.348061	4.927787	2.968256	1.883707	0.083634	-1.12124	-2.03551	-3.80047	-7.63742	-8.49025	-9.7929	-14.8143	-16.9005	-15.413	-16.4923	-19.1316	-18.355	-23.8551	-21.2399	-22.2684	-27.4956	-25.6019	-23.5151	-24.6435	-21.1847	-22.464	-20.2266	-26.2435	-20.7753	-24.115
90	6.4972079	6.695423	6.42203	6.274507	6.318647	6.450579	6.380081	4.478438	2.344805	1.360083	0.488762	-1.24262	-2.30954	-4.3456	-7.48811	-8.90308	-9.26859	-12.5779	-14.0772	-16.0131	-17.4072	-16.0131	-20.7172	-16.0131	-20.7172	-16.0131	-20.7172	-16.0131	-20.7172	-16.0131	-20.7172	-16.0131	-20.7172	-16.0131	-20.7172	
95	6.4972079	6.729962	6.468242	6.346762	6.408169	6.540068	6.004744	4.17568	1.861449	0.656275	-0.30043	-1.85278	-2.84629	-5.34408	-9.80769	-10.4986	-10.321	-13.5845	-12.3189	-12.3189	-13.5845	-12.3189	-12.3189	-13.5845	-12.3189	-12.3189	-13.5845	-12.3189	-12.3189	-13.5845	-12.3189	-12.3189	-13.5845	-12.3189	-12.3189	-13.5845
100	6.4972079	6.760884	6.511009	6.367397	6.373256	6.424945	5.86408	4.143024	1.899006	0.326471	-1.31658	-3.51555	-6.86272	-10.7624	-11.303	-12.2381	-12.361	-13.5845	-12.361	-13.5845	-12.361	-13.5845	-12.361	-13.5845	-12.361	-13.5845	-12.361	-13.5845	-12.361	-13.5845	-12.361	-13.5845	-12.361	-13.5845	-12.361	-13.5845
105	6.4972079	6.797011	6.55329	6.377744	6.20277	6.171779	5.706789	4.310911	2.443376	0.81389	-1.38186	-4.54645	-6.50876	-7.6404	-10.2524	-10.661	-10.9252	-15.0972	-17.2836	-16.3808	-18.8984	-23.1897	-23.202	-20.8894	-23.777	-27.2687	-24.7233	-24.3698	-27.4727	-26.2747	-23.6998	-22.1472	-22.3017	-24.2286	-23.8663	-20.7404
110	6.4972079	6.835137	6.594555	6.270162	5.92636	5.767336	5.463951	4.481951	3.101673	1.761172	-0.22127	-0.30326	-4.60128	-5.52611	-6.16798	-7.29509	-8.55133	-13.4296	-16.2998	-14.2978	-16.2998	-14.2978	-16.2998	-14.2978	-16.2998	-14.2978	-16.2998	-14.2978	-16.2998	-14.2978	-16.2998	-14.2978	-16.2998	-14.2978	-16.2998	
115	6.4972079	6.875016	6.639352	6.187112	5.561317	5.221767	5.071763	4.464388	3.500283	2.525532	1.07422	-0.96183	-2.18569	-3.19991	-4.81865	-5.42222	-6.92562	-11.4784	-14.8908	-13.4344	-14.7486	-22.1042	-21.5524	-18.1479	-22.7389	-23.5176	-24.3515	-25.0201	-27.1095	-21.613	-23.1775	-22.091	-26.908	-21.9514	-22.8852	-19.3612
120	6.4972079	6.916541	6.690232	6.117972	5.189507	4.951534	4.511883	4.149094	3.441115	2.71199	1.503195	-0.03099	-1.5411	-2.59653	-4.2284	-5.72934	-7.14589	-11.4854	-14.834	-13.4344	-14.7486	-22.1042	-21.5524	-18.1479	-22.7389	-23.5176	-24.3515	-25.0201	-27.1095	-21.613	-23.1775	-22.091	-26.908	-21.9514	-22.8852	-19.3612
125	6.4972079	6.95981	6.756697	6.093071	4.902463	4.009318	3.867564	3.573273	2.98217	2.31778	1.100578	-0.49894	-1.53068	-3.50076	-7.31019	-9.17688	-10.4973	-14.9664	-17.7522	-18.6043	-26.2727	-25.0662	-18.7976	-19.8506	-25.8328	-22.5022	-23.9577	-17.8528	-19.0043	-22.3983	-21.1044	-19.7376	-22.5024	-18.7376		
130	6.4972079	6.99596	6.826226	6.135857	4.72869	3.657578	3.364399	2.980406	2.32457	1.70825	0.32337	-1.83267	-3.22939	-5.71024	-11.6144	-14.8438	-14.0897	-15.5127	-18.4376	-18.1634	-21.4088	-24.2058	-24.1254	-19.8911	-21.9439	-25.2556	-22.649	-22.944	-22.3008	-17.4392	-17.3751	-19.9287	-18.6334	-19.0402	-22.5356	-18.0128
135																																				

Raw data – ANT10 (6.695GHz)

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	6.4812867	6.297908	6.828697	6.804958	6.027005	5.467409	5.150761	3.771375	2.619011	1.309156	1.734528	-0.526992	0.046602	-1.673066	-5.99923	-5.73769	-6.75132	-16.0741	-13.5762	-14.2405	-21.2032	-22.375	-19.3107	-20.6682	-18.9615	-15.6298	-18.0967	-19.6592	-20.5148	-21.4823	-23.1896	-17.7877	-25.432	-23.2406	-20.6332	-18.5245
5	6.4812867	6.361256	6.758687	6.594926	5.729042	5.258451	5.035385	3.965403	3.393832	3.864977	2.499666	-0.108109	0.091517	-1.557406	-5.10697	-3.98061	-5.32309	-11.1579	-11.3511	-12.3637	-18.657	-18.0225	-19.0057	-20.3962	-18.0638	-16.7466	-16.5594	-17.2032	-20.7019	-21.3163	-24.6075	-22.7018	-20.7933	-18.8655	-19.2416	
10	6.4812867	6.419251	6.68921	6.310973	5.452962	5.157724	5.153621	5.346498	4.082953	4.47577	2.89349	-0.33166	-0.49872	-1.601562	-4.29656	-4.52662	-10.1116	-10.9431	-10.2092	-15.6164	-14.808	-16.5181	-21.6079	-21.1524	-18.0411	-16.9295	-15.1538	-19.6608	-22.1342	-25.2522	-20.7234	-28.5842	-22.0883	-20.6832	-19.2416	
15	6.4812867	6.472649	6.620267	6.180774	5.219172	5.161497	5.444678	4.813241	4.471784	4.63022	2.627527	-1.01091	-1.16227	-1.71312	-6.42312	-4.89598	-6.72108	-12.5281	-10.0871	-10.8314	-18.1111	-19.9082	-22.2252	-18.4221	-19.054	-16.2484	-19.9732	-23.6131	-25.27	-22.3772	-28.8543	-22.8743	-20.789	-19.6452		
20	6.4812867	6.52225	6.585304	5.956409	5.046547	5.233078	5.777994	5.217909	4.55308	3.466678	2.330607	0.71146	-0.6543	-2.02736	-5.2421	-4.38955	-6.65852	-13.6014	-11.3378	-10.2475	-17.3469	-14.8465	-15.459	-18.0046	-18.3625	-20.6448	-18.512	-20.9514	-26.4715	-24.2432	-22.3872	-22.6109	-22.6527	-19.5828	-20.0606	
25	6.4812867	6.586008	6.560354	5.860234	4.944586	5.323908	6.039982	5.401681	4.372221	3.901561	2.710164	0.092284	0.258204	-1.04042	-0.49557	-3.84009	-5.669	-11.0365	-10.492	-9.7731	-15.1494	-16.372	-15.5508	-17.1446	-22.6699	-20.346	-19.9496	-18.2492	-19.8859	-28.3856	-22.3035	-20.2146	-19.6311	-22.4346	-18.7775	-20.4875
30	6.4812867	6.612189	6.552444	5.817734	4.916977	5.501161	6.161161	5.561071	4.191991	3.475474	2.046078	0.486583	0.912561	0.183431	-2.21622	-2.71308	-4.46379	-8.52992	-8.25585	-15.3065	-18.286	-16.3262	-15.6565	-18.1311	-18.9759	-24.9793	-20.7409	-18.6379	-17.9193	-22.213	-19.6747	-20.9202	-18.6379	-20.9202		
35	6.4812867	6.65136	6.56145	5.819158	4.955526	5.471987	6.14727	5.401091	3.80355	2.992839	1.655123	0.370353	1.186681	0.855725	-1.01844	-1.67292	-3.56032	-7.67192	-8.30137	-8.89594	-15.5446	-18.8926	-16.627	-15.9407	-18.6038	-18.1425	-17.021	-19.432	-19.4873	-21.7949	-20.4401	-18.1142	-17.2152	-21.936	-17.2346	-21.361
40	6.4812867	6.691935	6.58564	5.815163	5.042588	5.551753	6.07859	5.110138	3.299678	2.449299	1.158876	0.091319	0.805542	0.028054	-0.4546	-3.01002	-6.3623	-9.52977	-7.1829	-7.9829	-15.6858	-15.0951	-15.1717	-19.4973	-19.6023	-20.6213	-17.2409	-21.8031	-20.8542	-20.3006	-21.5233	-18.3906	-17.2327	-21.5392	-16.6467	-21.8158
45	6.4812867	6.728219	6.613874	5.899534	5.15111	5.653941	6.053934	4.881865	2.939541	2.245579	1.277877	0.343461	0.593848	-0.87785	-4.84611	-5.77757	-7.08071	-13.5119	-14.3491	-14.0403	-16.9742	-19.9224	-17.0756	-22.9442	-18.2568	-26.0878	-20.4876	-24.2699	-22.2725	-20.2763	-22.8004	-18.4486	-17.7873	-21.0333	-16.2445	-22.2922
50	6.4812867	6.762058	6.644508	5.951481	5.253895	5.761824	6.107245	4.836623	2.897691	2.475488	1.692056	0.427079	0.439778	-0.97783	-4.78661	-6.19384	-7.18373	-14.5443	-14.4884	-16.3105	-21.4473	-24.0072	-20.4488	-19.1147	-26.1656	-25.7574	-21.6778	-22.5612	-21.4296	-22.6005	-18.0057	-18.7628	-20.5412	-16.0659	-22.7937	
55	6.4812867	6.793397	6.674324	6.001209	5.333295	5.842174	6.190003	4.918109	3.038756	2.710261	1.732225	-0.08332	-0.13951	-1.44556	-3.97831	-4.80885	-6.31635	-11.3055	-13.5592	-13.7955	-15.7295	-21.6614	-18.5575	-21.7128	-25.2161	-24.7254	-26.3313	-18.8747	-21.9817	-23.2632	-20.1725	-17.484	-20.2335	-20.2298	-16.1049	-23.3123
60	6.4812867	6.822223	6.701426	6.048525	5.38827	5.873014	6.235583	5.001649	3.15668	2.727229	1.511372	-0.41136	-0.25057	-1.6051	-4.14281	-5.11235	-6.86555	-11.2301	-12.8714	-13.1658	-16.1399	-25.2662	-19.3681	-17.9017	-23.6201	-22.3657	-24.2452	-18.581	-22.0382	-24.2033	-19.268	-17.6251	-22.5739	-20.2278	-16.4198	-23.8185
65	6.4812867	6.848595	6.725103	6.098115	5.435037	5.860441	6.215868	5.015938	3.14982	2.524084	1.22884	-0.42274	0.11881	-0.85143	-3.76976	-5.67621	-7.96233	-12.1717	-13.0158	-13.3318	-17.436	-25.2794	-23.185	-16.2635	-20.6335	-24.4302	-24.5787	-20.7005	-21.9184	-22.4855	-19.4359	-18.8349	-26.5028	-20.5904	-17.0279	-24.2523
70	6.4812867	6.872667	6.745455	6.156674	5.500533	5.834947	6.143226	4.959578	3.021177	2.15178	0.864685	-0.54351	0.146794	-0.68449	-3.55383	-5.01447	-7.67463	-12.6743	-12.687	-12.5315	-18.6042	-22.5603	-25.8624	-19.9406	-19.2371	-20.1247	-26.6362	-25.1712	-20.6737	-20.5231	-20.2698	-21.3214	-30.4058	-21.2894	-17.9628	-24.5227
75	6.4812867	6.894685	6.76294	6.229191	5.610335	5.834613	6.04224	4.837897	2.845907	1.75908	0.416373	-1.13436	-0.65945	-1.54659	-3.972	-4.71155	-6.6476	-13.9922	-13.4194	-12.3292	-18.4735	-22.682	-24.8152	-18.5656	-19.5888	-18.2868	-24.8871	-19.4456	-20.2934	-20.3205	-21.1367	-24.6929	-25.9185	-22.2607	-19.2648	-24.534
80	6.4812867	6.914982	6.777982	6.315585	5.775284	5.887	5.928309	4.65248	2.650209	1.492822	0.117005	-1.91625	-2.37078	-1.73791	-7.4061	-8.09818	-10.4227	-16.5842	-15.4664	-12.2607	-20.0948	-24.7228	-20.6836	-23.0911	-21.5355	-23.3823	-22.2549	-26.7834	-21.6705	-22.3944	-21.1627	-25.3983	-21.5805	-23.1636	-20.7938	-24.2356
85	6.4812867	6.933063	6.790763	6.400081	5.982089	5.997587	5.811819	4.375889	2.342489	1.246467	0.050381	-2.06374	-3.25403	-5.39399	-10.4155	-11.5216	-11.8648	-15.7976	-16.0528	-16.1284	-18.1857	-21.0663	-17.1184	-21.1697	-23.7349	-26.8796	-21.626	-24.5378	-22.8042	-25.6889	-20.1382	-22.7459	-19.0619	-24.0549	-23.0845	-22.6587
90	6.4812867	6.95208	6.801251	6.497133	6.198879	6.145945	5.713682	4.040881	1.867162	0.76795	-0.18274	-1.93887	-3.40891	-5.72705	-10.6857	-10.5654	-17.0584	-15.0483	-16.0629	-16.1804	-18.5804	-19.7091	-20.6997	-20.7267	-23.6747	-24.3728	-22.6859	-25.5037	-22.2048	-25.2312	-17.1796	-20.6041	-17.8073	-25.007	-25.3472	-22.8981
95	6.4812867	6.969814	6.809444	6.564703	6.375977	6.287883	5.660228	3.777645	1.408338	0.073157	-0.88406	-2.08983	-2.87226	-4.78024	-8.158	-8.96794	-9.44598	-12.8902	-15.7896	-17.5927	-20.3078	-22.6184	-22.5319	-25.4201	-30.9103	-22.036	-22.7286	-26.3596	-22.7947	-23.7638	-19.2803	-19.518	-17.5733	-26.3651	-26.7777	-22.0626
100	6.4812867	6.987644	6.815718	6.598765	6.468123	6.363114	5.650402	3.734446	1.34223	-0.33602	-1.84408	-3.1427	-3.32451	-4.73519	-8.7331	-9.44598	-9.24252	-13.4747	-14.9427	-17.9703	-20.862	-20.3781	-23.0311	-21.9505	-28.2832	-23.5818	-21.1034	-23.6405	-26.0829	-24.0626	-20.8219	-19.2075	-18.3525	-27.9616	-26.3294	-21.2349
105	6.4812867	7.006023	6.82115	6.5926	6.441861	6.307824	5.627473	3.920884	1.837559	0.126813	-1.98046	-3.43761	-5.10997	-6.64891	-9.62762	-8.95901	-10.1721	-13.8601	-15.2822	-16.1333	-21.103	-23.1684	-22.929	-20.7226	-24.9808	-25.6263	-22.0616	-24.2147	-32.489	-25.0543	-23.3458	-19.4906	-20.3699	-28.2742	-24.6783	-20.7693
110	6.4812867	7.025347	6.82765	6.62986	6.285646	6.070511	5.487779	1.513348	2.599616	1.250062	-0.70462	-3.389	-4.98075	-6.20182	-8.32228	-8.62181	-9.17478	-14.0457	-16.9719	-15.1655	-16.6058	-23.1574	-22.052	-20.9551	-25.9748	-24.5243	-26.5961	-28.3473	-29.0612	-24.3418	-24.3283	-20.5059	-24.0297	-25.5853	-29.982	-20.4061
115	6.4812867	7.045932	6.837846	6.749727	6.016917	5.631301	5.124974	1.617093	3.122538	2.227087	-0.757885	-2.96828	-2.63137	-3.76186	-5.20038	-5.49983	-6.45063	-10.4586	-13.3818	-12.8897	-14.1596	-19.9917	-19.1455	-17.6487	-22.0106	-23.4806	-25.1303	-28.4713	-24.0331	-22.2911	-21.4645	-22.5088	-26.5621	-22.9037	-21.6218	-19.7178
120	6.4812867	7.067983	6.854715	6.404141	5.629332	5.02885	4.492639	3.778698	3.0653	2.469732	1.298709	-0.3102	-1.38957	-2.71973	-5.45963	-5.16737	-6.45036	-10.7302	-12.4484	-11.4173	-13.3941	-20.7872	-24.4428	-17.9648	-19.4545	-24.0899	-23.5251	-21.8517	-22.9954	-21.0189	-22.6775	-22.546	-17.7856	-20.612	-18.7518	
125	6.4812867	7.091569	6.881	6.345588	5.369131	4.375008	3.67711	3.002084	1.287077	1.8715	0.66629	-1.0011	-2.03405	-3.54875	-5.87436	-6.40094	-7.67999	-12.6364	-15.2497	-14.0459	-16.7853	-24.5121	-24.5308	-20.8002	-19.9063	-28.9655	-24.5376	-21.8912	-23.1673	-20.4313	-20.307	-18.7806	-18.5828	-18.1534	-19.9491	-18.994
130	6.4812867	7.116598	6.919286	6.322269	5.149495	3.866254	2.940421	2.153611	1.476813	0.892567	0.65836	-2.92968	-4.10068	-5.89783	-8.56479	-10.128	-11.8357	-17.4785	-21.2135	-19.7554	-21.3277	-23.7857	-22.348	-23.709	-22.0852	-20.5362	-22.893	-23.266	-24.021	-18.7842	-17.931	-17.749				

Raw data – ANT10 (6.875GHz)

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	6.4478003	6.760567	7.220797	6.998373	5.257352	3.000006	4.569193	4.045107	2.700043	3.765645	2.303203	-1.93387	-1.97279	-3.87105	-10.066	-6.17775	-9.18201	-12.9966	-10.3589	-10.7747	-17.8948	-16.7948	-24.006	-20.8176	-18.329	-17.3228	-16.2643	-16.8471	-19.3411	-23.2333	-20.1559	-20.1413	-24.2966	-24.2377	-22.3811	-19.2198
5	6.4478003	6.777296	7.212163	6.722726	4.851714	3.224747	4.5514	4.420477	3.367197	4.13138	2.828242	-0.9109	-0.2214	-1.70835	-6.64061	-5.58039	-7.94732	-13.3055	-12.1002	-13.2005	-20.240	-16.4424	-14.3578	-14.5082	-19.8103	-20.0498	-19.2008	-19.8571	-23.8377	-26.01	-20.6991	-18.5371	-23.8737	-26.01	-19.8347	
10	6.4478003	6.783937	6.994753	6.451118	4.481181	3.325740	4.763067	4.850799	3.833733	4.166467	2.681858	-0.29682	0.402831	-1.00933	-5.50258	-4.26073	-5.83488	-11.5914	-9.67534	-10.7024	-16.0225	-14.7465	-13.3845	-22.442	-20.6488	-19.6302	-18.5402	-19.7468	-19.1338	-19.9921	-22.6132	-18.3301	-23.2521	-28.3468	-22.9114	-20.470
15	6.4478003	6.782438	6.855139	6.096406	4.206933	3.699966	5.122913	5.205966	4.242197	4.155829	2.26705	-0.71509	0.621081	-1.1208	-5.56795	-3.76302	-6.02685	-11.9168	-8.471	-9.69697	-12.5062	-12.9518	-11.698	-20.0071	-19.6687	-18.8768	-19.3352	-18.2638	-22.9911	-19.1417	-23.6855	-29.3056	-22.9892	-21.2141		
20	6.4478003	6.774658	6.717915	5.808866	4.059142	3.953693	5.523977	5.619406	4.406653	4.074387	2.082968	-0.5886	1.03171	0.46056	-4.25818	-3.06094	-5.72864	-10.9596	-8.23311	-11.084	-18.9	-15.1001	-14.2178	-19.3101	-17.6006	-16.6362	-20.4644	-18.9405	-22.5265	-19.5047	-22.5175	-20.5435	-25.2736	-26.9427	-22.8318	-21.8855
25	6.4478003	6.762584	6.597526	5.589151	4.044508	4.585379	5.808627	6.650067	4.1346	3.771798	2.141439	-0.08471	1.08576	0.09602	-3.68042	-6.49041	-7.57228	-10.4368	-8.33208	-11.3743	-18.741	-16.1746	-16.3585	-21.0303	-20.0639	-16.3089	-19.0634	-18.3478	-22.0809	-21.644	-23.1596	-21.972	-27.7681	-28.9278	-22.4215	-22.5254
30	6.4478003	6.74795	6.505134	5.454259	4.152477	4.702504	5.867115	5.531974	3.506316	3.26662	2.259199	0.454048	1.42669	0.531285	-2.28699	-2.21775	-3.43654	-8.07763	-7.56381	-9.58034	-17.8191	-14.9213	-15.5373	-18.8582	-18.9155	-16.6187	-18.5544	-19.4295	-20.5143	-20.261	-23.4029	-22.2457	-28.7619	-21.299	-21.8505	-23.4788
35	6.4478003	6.732512	6.464773	5.417898	4.360405	4.906836	5.695904	4.744828	2.746933	2.433833	1.370578	-1.00772	1.38022	1.370578	-1.28809	-1.74767	-2.73797	-10.2808	-8.00211	-11.3748	-17.8285	-16.4582	-18.4486	-23.3133	-22.136	-18.3481	-21.8688	-20.854	-26.9537	-19.4193	-21.2641	-23.5254	-24.2524	-22.5254		
40	6.4478003	6.716063	6.422598	5.466207	4.632525	5.154693	5.417354	4.060189	2.02549	2.573922	2.284586	1.274374	1.723218	0.584505	-2.57449	-2.75162	-4.39993	-10.5958	-8.73616	-9.74109	-14.8454	-13.3483	-14.0512	-22.8409	-21.5454	-18.3444	-18.7169	-27.8438	-25.4942	-17.9383	-20.7155	-19.1436	-25.3605	-18.0661	-20.7888	-25.1563
45	6.4478003	6.700202	6.427481	5.572714	4.921609	5.519327	4.931945	3.518081	1.539547	2.322540	1.841167	1.023449	1.75459	-6.02543	-5.34543	-6.88142	-11.7712	-11.7712	-13.7713	-20.3867	-16.4115	-14.9012	-18.2928	-21.5552	-21.2523	-18.8592	-20.3534	-28.1615	-19.0952	-20.9819	-17.9551	-25.11	-17.1265	-20.5061	-25.8653	
50	6.4478003	6.684575	6.452698	5.704192	5.176891	5.468054	5.144831	3.341655	1.494446	2.357976	1.608221	-0.44012	-0.60828	-2.0799	-6.4209	-6.50396	-7.93585	-15.4342	-12.6447	-14.7658	-19.089	-19.5292	-15.5574	-25.3747	-22.2293	-22.1505	-18.436	-25.3415	-20.1081	-21.8664	-21.8477	-17.2924	-26.2862	-16.5242	-20.4573	-26.4842
55	6.4478003	6.668854	6.48807	5.829447	5.354428	5.579701	5.262306	3.539886	1.83553	2.433791	1.40854	-0.61616	-0.25053	-1.31855	-8.6029	-8.63972	-13.7582	-13.1497	-14.6475	-24.4885	-16.6747	-19.917	-23.3323	-22.4447	-19.1308	-20.9098	-27.2142	-25.5717	-21.1641	-16.9848	-28.6808	-16.2192	-20.6516	-26.3684		
60	6.4478003	6.652477	6.523907	5.925705	5.425206	5.613135	5.422834	3.875672	2.271329	2.397539	1.013531	-1.01593	-0.35578	-1.96906	-1.16224	-8.96106	-9.73712	-15.2045	-13.7044	-13.7408	-20.0739	-22.793	-19.1359	-20.1636	-23.0191	-22.2311	-20.6934	-19.2169	-24.688	-27.3482	-19.5055	-17.0633	-30.7072	-16.2114	-21.0628	-26.6265
65	6.4478003	6.634779	6.552346	5.981581	5.34046	5.552295	5.506305	4.092133	2.491851	2.233191	0.675597	-1.35345	-0.78888	-2.65621	-9.10046	-9.18009	-13.8923	-15.1531	-25.3413	-19.809	-18.1923	-15.5131	-24.133	-19.7319	-23.9765	-26.7226	-18.7364	-17.8061	-29.8082	-16.54	-21.6064	-26.3168				
70	6.4478003	6.615111	6.567983	5.970057	5.234476	5.326078	5.455393	4.084337	2.315384	1.801256	0.368732	-1.32609	-0.76351	-1.97212	-5.63672	-5.31403	-8.5226	-19.6736	-19.1873	-14.9026	-22.4031	-21.8577	-25.7475	-17.9105	-25.3048	-22.8062	-22.4332	-23.6527	-23.1167	-25.2752	-19.2477	-19.6087	-27.8714	-17.2796	-22.1067	-25.8883
75	6.4478003	6.592943	6.567901	5.981146	5.027288	5.016288	5.272741	3.903821	1.803294	0.976007	-0.31394	-1.82168	-1.27279	-1.85675	-3.57405	-3.57803	-7.15525	-16.5228	-14.4622	-12.8465	-18.3568	-19.1248	-21.4721	-20.2463	-27.8148	-25.7923	-21.1124	-27.3874	-22.245	-24.3086	-20.6808	-22.9177	-26.3709	-18.535	-22.3082	-25.4682
80	6.4478003	6.567944	6.551301	5.947757	4.820896	4.667733	4.994499	3.657222	1.267607	0.013394	-1.34725	-3.38436	-3.58941	-4.74769	-6.98048	-6.97272	-10.5249	-15.5273	-12.6163	-13.143	-18.1801	-17.9251	-17.871	-22.2637	-26.6974	-24.0347	-18.7084	-25.2356	-23.0106	-24.9157	-22.0032	-27.1409	-25.0572	-20.4312	-22.0277	-25.1522
85	6.4478003	6.540019	6.518049	5.910347	4.682436	4.81433	4.673931	3.387373	0.986932	-0.48947	-1.90068	-7.38396	-6.69999	-9.17919	-14.0985	-13.2102	-14.1293	-14.5559	-12.8246	-14.3617	-18.0247	-18.2847	-16.3835	-19.926	-22.6147	-19.9292	-18.2917	-24.8414	-24.2778	-26.7226	-22.1882	-25.9992	-23.5958	-23.0231	-21.3357	-25.0259
90	6.4478003	6.509331	6.472632	5.877471	4.653111	4.255746	4.382074	3.059223	0.869696	-0.42747	-1.585	-4.1409	-6.528	-4.852	-11.018	-10.085	-10.0554	-11.771	-11.939	-12.7885	-16.2473	-18.5483	-17.2931	-22.288	-19.7849	-20.7767	-27.0086	-22.4517	-28.042	-21.6294	-22.4374	-22.0797	-25.7092	-20.4878	-25.1265	
95	6.4478003	6.462392	6.414729	5.84933	4.722484	4.318074	4.201018	2.667406	0.624085	-0.35365	-1.24061	-2.73009	-3.77441	-4.87008	-6.06349	-7.20016	-8.28609	-11.1651	-10.4723	-12.1857	-20.0238	-16.4422	-17.2376	-24.6304	-20.2729	-21.5645	-26.0623	-20.6016	-29.8841	-20.8122	-20.2847	-20.8115	-26.139	-19.7192	-25.2528	
100	6.4478003	6.441532	6.347977	5.819715	4.833572	4.492693	4.179039	2.345428	0.40226	-0.75731	-1.71363	-2.86168	-3.16139	-4.3825	-6.55876	-6.57287	-8.07675	-11.206	-11.1651	-13.0627	-20.6092	-15.6027	-18.3527	-27.8607	-21.2219	-19.5175	-23.5587	-20.8172	-28.9416	-19.8064	-19.3307	-20.0275	-24.3462	-19.1649	-26.3035	
105	6.4478003	6.408363	6.275414	5.779635	4.915285	4.648533	4.270694	2.311243	-0.18834	-1.38895	-2.98004	-4.74907	-4.98334	-6.64713	-8.06344	-10.3654	-11.4574	-14.2191	-13.8322	-20.8466	-19.9472	-17.0462	-19.8574	-21.8032	-25.5842	-20.6859	-24.4705	-22.3699	-22.5591	-19.217	-19.2605	-19.8676	-22.4442	-18.6889	-27.5515	
110	6.4478003	6.370227	6.200418	5.722386	4.914667	4.672292	4.342627	2.569093	0.201284	-1.02639	-2.87204	-6.03488	-6.92947	-8.18023	-11.3605	-11.015	-11.4655	-17.3342	-16.7552	-15.348	-20.3982	-23.5046	-20.0428	-21.8361	-24.1933	-19.1839	-24.7283	-24.3257	-21.3367	-19.9995	-20.0156	-19.6153	-20.3895	-21.0907	-18.8693	-29.4369
115	6.4478003	6.335643	6.126763	5.647325	4.812058	4.510977	4.258183	2.181872	0.927799	0.104053	-1.20042	-3.86798	-4.99026	-5.37924	-7.38905	-8.0219	-8.5723	-13.4049	-17.8137	-18.0795	-18.5217	-18.3585	-26.0462	-26.1489	-25.1366	-20.0131	-19.3921	-21.5631	-18.1653	-23.1289	-19.5446	-21.3594	-20.1145	-19.0933	-32.0739	
120	6.4478003	6.303149	6.088591	5.563322	4.62177	4.176478	3.965459	2.781205	1.275843	0.762734	-0.28891	-2.62161	-3.75861	-4.63731	-6.05239	-6.29542	-7.07406	-10.9692	-12.1822	-12.58	-16.9395	-21.7121	-18.3539	-16.3508	-19.1286	-26.7894	-21.9179	-18.7833	-21.4384	-18.8083	-25.4561	-18.3375	-21.5616	-19.2735	-19.4516	-34.4009
125	6.4478003	6.273745	6.000257	5.477854	4.385553	3.736861	3.478331	2.407932	1.054209	0.654046	-0.53286	-2.98444	-4.15281	-5.07892	-7.14385	-7.43097	-8.67446	-13.5317	-14.134	-13.1235	-16.1561	-18.7805	-21.7819	-19.3954	-22.1155	-26.5642	-23.157	-20.7792	-23.9317	-18.0245	-20.6124	-16.5216	-19.7495	-18.469	-19.7523	-33.049
130	6.4478003	6.248334	5.956043	5.414028	4.156461	3.670704	3.259567	1.868524	0.492863	0.088823	-1.73116	-4.89575	-6.06351	-7.90403	-12.1279	-12.0679	-13.2595	-17.9366	-17.9366	-17.9366	-27.6433	-27.4872	-20.2676	-21.2089	-16.0876	-17.3628	-14.8652	-17.2931	-17.7886	-19.7264	-29.3249					
135	6.4478003	6.222762	5.927766	5.387936	3.999442	2.971462	2.566767	1.6																												

Raw data – ANT10 (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	6.4501126	6.654176	6.950931	6.988532	5.971435	5.420628	6.084135	5.08714	3.326809	3.804445	2.080324	-1.9544	-0.6246	-2.53469	-7.39973	-4.14774	-6.41655	-10.9017	-8.48844	-11.8098	-18.6875	-15.314	-18.5248	-25.5638	-22.1289	-20.0005	-17.1788	-17.2858	-19.8315	-19.9784	-20.627	-20.3055	-22.7291	-23.0833	-20.9337	-18.9121	
5	6.4501126	6.650852	6.883249	6.863274	5.922256	5.560497	5.497307	3.979773	4.132077	2.411963	-1.9242	-1.28879	-2.88007	-8.56033	-5.8331	-8.52868	-14.6243	-17.7031	-11.9611	-17.1837	-16.5318	-21.1021	-26.5368	-22.9366	-19.5899	-18.3253	-19.7459	-19.9646	-21.0793	-19.1231	-22.4201	-23.2981	-20.9639	-19.1959			
10	6.4501126	6.641712	6.795465	6.697524	5.839862	5.65144	6.308935	5.600283	4.120844	4.105397	2.491993	-1.29399	-0.79618	-2.54367	-6.64845	-5.5935	-8.70077	-16.8244	-10.9799	-12.7117	-18.7833	-15.813	-17.6877	-22.8749	-20.2352	-22.457	-20.2871	-18.248	-19.4078	-19.8012	-22.5709	-18.6977	-22.9201	-24.3225	-20.9588	-19.3533	
15	6.4501126	6.627611	6.693498	6.499592	5.724045	5.602514	6.267582	5.514809	3.926557	3.867318	2.406886	-0.43284	0.92574	-1.50988	-6.46646	-4.52445	-8.52465	-13.7948	-9.63499	-11.6866	-19.9173	-15.114	-16.0072	-22.7878	-22.5817	-22.457	-19.3459	-20.8291	-19.7107	-19.0437	-19.0746	-23.1171	-19.9462	-26.1226	-20.9894	-19.9457	
20	6.4501126	6.609596	6.5857	6.287171	5.583127	5.667562	6.18385	5.338228	3.663941	3.722592	2.494487	0.157106	1.493147	-0.10992	-4.35476	-3.4064	-5.85211	-10.4711	-8.39521	-11.6475	-20.3418	-15.124	-15.7761	-20.3279	-20.0599	-16.4957	-20.1482	-18.6712	-20.3654	-19.3758	-22.0644	-20.5629	-28.5699	-27.7041	-20.7349	-20.443	
25	6.4501126	6.580891	6.482714	6.082744	5.459972	5.616406	6.06614	5.15149	3.640701	3.691437	2.611687	0.569194	1.809135	-0.2889	-3.70087	-3.07703	-5.31766	-10.2589	-8.94167	-11.9922	-18.7389	-15.082	-16.9748	-20.289	-20.071	-16.5781	-18.8106	-17.2011	-21.5778	-20.389	-22.3859	-26.5252	-30.4442	-21.0435	-20.7378		
30	6.4501126	6.563643	6.303258	5.914523	5.310753	5.310753	5.866311	4.832159	3.31278	3.41169	2.408416	0.253111	0.269311	-1.44082	-6.02414	-5.0871	-6.78309	-12.9492	-11.8678	-13.6893	-17.3301	-15.011	-18.2512	-23.2293	-21.1885	-18.6413	-19.0618	-20.7941	-21.0883	-21.083	-20.2638	-23.1387	-27.7827	-25.5412	-20.0184	-21.7644	
35	6.4501126	6.543177	6.327562	5.807838	5.258531	5.452095	5.584597	4.589021	3.112157	3.470514	2.661218	0.46386	-0.09719	-1.75133	-5.73892	-5.86811	-7.38345	-12.851	-10.9532	-13.4784	-18.3187	-16.0276	-18.164	-22.9677	-20.7548	-19.2542	-23.9923	-23.097	-20.3099	-20.0111	-22.1765	-23.7118	-20.7859	-19.4929	-22.6233		
40	6.4501126	6.520034	6.200715	5.779686	5.28636	4.06663	5.286312	4.019545	2.806116	3.229122	2.468538	-0.78212	-0.742429	-1.60001	-9.02028	-7.16643	-13.11243	-14.4899	-10.2552	-14.0767	-20.3147	-16.2028	-22.7196	-25.2942	-22.6465	-24.2652	-20.193	-26.6964	-26.342	-20.1817	-21.059	-20.6488	-21.5382	-18.6537	-19.9027	-23.638	
45	6.4501126	6.497337	6.284069	5.830611	5.400266	5.442223	5.075059	3.599451	2.431102	2.866143	1.87693	-0.796	-1.95322	-4.06682	-8.47985	-7.5357	-8.10724	-12.6572	-11.4749	-14.1128	-22.2299	-22.0654	-17.8346	-25.3346	-22.947	-27.7326	-21.8103	-20.534	-23.9583	-21.6453	-24.3992	-19.3207	-20.5867	-17.0419	-18.3813	-24.8231	
50	6.4501126	6.475175	6.304554	5.945282	5.571895	5.566433	5.367922	2.129785	2.521786	1.83541	-1.28544	-1.21997	-4.41641	-6.21905	-8.8049	-9.58436	-13.8531	-11.7499	-13.5287	-20.0173	-20.6075	-17.4039	-22.7961	-24.9157	-26.9295	-22.1617	-25.5074	-32.717	-24.5192	-28.668	-18.0513	-20.4044	-25.8361	-16.9081	-26.1827		
55	6.4501126	6.453327	6.345429	6.08905	5.756271	5.735309	5.234337	3.445675	2.019721	2.261813	1.201978	-0.93174	-1.00898	-3.25172	-6.81201	-9.86107	-12.2737	-18.1964	-15.207	-15.4757	-20.6391	-20.8886	-17.5178	-20.3089	-23.8644	-25.3134	-26.3832	-21.8823	-26.982	-27.6366	-24.2466	-16.8618	-20.6222	-14.971	-17.5456	-27.6991	
60	6.4501126	6.43131	6.397679	6.261266	5.905452	5.876663	5.486006	3.763041	2.119688	2.055143	1.031379	-0.7816	-0.44039	-2.84639	-8.11123	-9.2885	-19.9328	-16.6526	-16.1241	-17.8736	-21.3556	-18.2885	-19.6938	-21.2983	-22.0251	-25.7036	-23.0245	-20.0706	-25.0368	-17.7453	-16.1889	-21.3852	-14.3881	-17.4277	-30.2327	-23.2519	
65	6.4501126	6.408469	6.451569	6.411875	6.002543	5.926389	5.679397	4.113811	2.318426	1.880903	0.710144	-1.04362	-0.70797	-2.67015	-8.31549	-7.38783	-10.1054	-16.961	-16.7846	-18.4729	-21.8884	-19.1437	-22.2457	-19.8854	-22.6878	-21.5147	-29.9537	-20.8326	-25.9335	-27.813	-18.5219	-15.7812	-21.2063	-14.2211	-27.2454	-30.5866	
70	6.4501126	6.384081	6.479945	6.534325	6.026327	5.851038	5.723851	4.318117	2.399394	1.98177	0.210176	-1.69101	-1.28004	-2.72566	-6.97684	-5.62056	-8.16779	-19.5642	-16.1241	-17.8736	-21.3556	-18.2885	-19.6938	-21.2983	-22.0251	-25.7036	-23.0245	-20.0706	-25.0368	-17.7453	-16.1889	-21.3852	-14.3881	-17.4277	-30.2327	-23.2519	
75	6.4501126	6.357467	6.529009	6.620221	5.991051	5.654314	5.590303	4.306487	2.230192	1.013233	0.59227	-2.73414	-2.37461	-3.0825	-5.79713	-9.4548	-7.66435	-13.8297	-14.4099	-15.3021	-17.6683	-17.1138	-18.8466	-24.2734	-24.279	-22.7947	-21.8474	-23.2378	-30.8475	-23.8221	-17.7212	-17.2757	-21.42	-14.982	-17.527	-31.388	
80	6.4501126	6.328096	6.53918	6.666112	5.919778	5.376065	5.300563	4.106039	1.889707	1.086789	-1.7272	-4.23421	-4.33403	-4.7847	-8.02301	-11.4438	-9.98347	-13.5442	-14.4436	-15.5895	-17.5487	-16.8092	-18.5322	-26.0899	-28.1256	-21.9408	-20.9154	-22.2689	-28.1389	-24.9968	-18.5544	-19.0741	-21.1869	-16.069	-17.8169	-30.8449	
85	6.4501126	6.295676	6.52432	6.6708	5.837742	5.084404	4.915182	3.784157	1.57969	-0.41783	-2.67569	-5.76923	-6.16048	-8.00468	-12.4436	-11.5688	-14.4076	-17.4669	-16.5874	-18.5704	-19.5969	-17.7467	-17.9041	-23.5081	-23.0804	-19.9489	-22.2158	-21.4004	-22.7838	-28.8192	-20.534	-21.4691	-20.6413	-17.7092	-18.177	-30.0937	
90	6.4501126	6.260221	6.482603	6.633275	5.759514	4.851695	4.523508	3.402227	1.01966	-0.40105	-2.57525	-9.5201	-6.58095	-12.4586	-11.2476	-12.4376	-15.6268	-14.7851	-16.017	-16.268	-19.7629	-17.5226	-19.6928	-20.1968	-25.2002	-21.1174	-19.9512	-32.2715	-23.3884	-23.1676	-19.9259	-19.8322	-18.3448	-29.3556	-18.779	-30.556	
95	6.4501126	6.222092	6.414038	6.551964	5.680567	4.71436	4.222135	3.017408	1.275072	-0.01379	-1.73087	-4.68072	-5.25986	-6.27886	-8.49185	-8.28561	-9.88686	-13.4161	-11.7461	-12.7212	-18.4847	-22.6443	-17.7732	-19.7793	-19.601	-22.3752	-21.7355	-19.9645	-26.1028	-24.0408	-21.9699	-19.3004	-21.7117	-18.4404	-28.6935	-18.416	-30.735
100	6.4501126	6.182014	6.32057	6.42544	5.579669	4.46466	4.099528	2.721058	1.095553	0.252054	-1.1186	-3.79969	-5.27497	-6.79999	-7.64208	-7.10623	-8.58445	-14.6637	-11.4486	-12.4712	-18.4845	-18.6628	-16.3378	-17.1714	-18.9633	-21.5731	-21.1957	-22.7577	-22.6959	-20.7264	-22.2047	-19.522	-19.0109	-21.6591	-18.4146	-28.6935	
105	6.4501126	6.141057	6.206159	6.254193	5.431077	4.578739	4.042376	2.629385	0.94388	0.257319	-1.109	-3.77009	-5.51521	-7.07796	-7.38465	-7.52148	-8.99961	-13.3764	-13.7955	-13.192	-17.7733	-18.5415	-17.0233	-19.4173	-24.0453	-25.9398	-23.8151	-23.8468	-25.0497	-17.6447	-21.7655	-17.5858	-19.3333	-19.8403	-18.3303	-27.406	
110	6.4501126	6.100899	6.076876	6.04278	5.218268	4.444664	4.046606	2.762047	1.053176	0.320446	-1.26035	-4.30425	-5.87428	-7.52971	-10.1212	-9.90368	-10.3763	-16.1771	-15.7987	-14.1951	-19.0945	-22.5157	-21.343	-19.6942	-26.5009	-26.4631	-23.654	-22.1017	-16.5923	-23.9781	-16.4401	-20.6451	-17.9096	-26.5085	-26.6088	-18.416	-30.735
115	6.4501126	6.062199	5.940919	5.801798	4.941921	4.21809	3.920708	2.995921	1.458602	0.723523	-0.99496	-4.33278	-5.65572	-6.99113	-10.3129	-10.3915	-10.4051	-15.3843	-15.1306	-14.2009	-19.0588	-28.1837	-20.6508	-17.8502	-25.254	-26.9464	-23.1287	-22.1247	-20.633	-17.1969	-26.9547	-16.113	-23.6923	-16.4679	-18.3588	-25.6351	
120	6.4501126	6.027596	5.808418	5.5494	4.621483	3.915439	3.800671	3.061381	1.910545	1.352164	-0.41904	-3.50375	-5.25016	-6.38016	-9.43592	-9.46293	-10.46057	-14.6076	-13.5839	-16.2629	-19.1839	-20.6675	-18.7209	-22.3061	-25.1074	-21.5177	-22.5899	-21.1315	-17.9751	-22.9304	-16.5816	-25.9895	-15.5574	-18.5346	-24.5037	-18.416	-30.735
125	6.4501126	5.998479	5.690808	5.311917	4.294566	3.587399	3.52426	2.946756	2.138813	1.872373	0.113273	-3.34747	-4.57004	-5.5633	-8.62342	-9.51405	-10.0855	-15.8649	-16.6767	-14.3705	-17.5893	-19.8622	-18.318	-24.9251	-22.6538	-27.6992	-26.1113	-22.8198	-20.5098	-17.1973	-19.5875	-17.3024	-21.7462	-15.1348	-18.7148	-23.2965	
130	6.4501126	5.976398	5.600137	5.122354	4.016611	3.310789	3.238516	2.659472	1.99613	1.929132	0.092225	-3.45572	-4.51002	-5.79916	-9.70729	-9.32405	-10.3027	-16.5144	-15.675	-15.2745	-20.1196	-23.077	-20.8011	-24.3422	-28.7289	-29.2653	-28.4135</										

Raw data – ANT10 (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	6.412005	6.479928	7.100086	7.533691	6.704473	5.752467	5.981225	4.557792	2.196805	2.96958	1.360581	-2.5502	-1.39661	-3.55803	-9.38953	-5.77285	-7.90936	-12.7282	-9.51774	-12.6586	-18.2654	-16.9320	-18.7131	-26.4032	-26.6599	-23.0634	-19.8637	-18.8403	-21.059	-21.5651	-21.6572	-20.6886	-21.8816	-21.7787	-19.1288	-19.7666
5	6.412005	6.503013	7.073571	7.471601	6.666339	5.787312	6.030007	4.868813	2.634321	2.749334	0.87975	-3.88521	-2.25876	-3.87995	-9.94529	-6.99992	-9.68633	-14.8934	-10.0415	-12.5547	-18.8033	-16.768	-18.7461	-28.8575	-28.3625	-24.0676	-21.45	-18.9374	-19.2038	-19.8054	-22.1228	-19.2576	-20.0997	-20.7231	-18.765	-19.5958
10	6.412005	6.52169	7.022168	7.347379	6.549352	5.78765	5.989161	4.96305	2.900164	2.90362	1.183255	-3.28922	-2.05898	-3.77117	-8.65661	-10.1752	-10.0206	-11.5045	-13.3511	-12.4243	-17.3679	-17.209	-18.8715	-28.547	-28.2207	-24.2071	-21.209	-18.8715	-18.547	-18.8417	-24.2057	-18.9577	-19.6668	-20.0002	-18.3433	-19.5203
15	6.412005	6.536844	6.950896	7.161073	6.362705	5.689507	5.912103	4.907963	3.006425	3.243342	1.923713	-1.2327	-0.51802	-2.61947	-7.50303	-5.37464	-6.96337	-15.0086	-11.016	-14.9422	-23.0112	-16.6368	-17.1274	-28.1652	-22.6627	-20.4771	-20.922	-18.2624	-19.1593	-19.2543	-26.8465	-19.9057	-20.618	-19.6992	-18.1577	-19.5518
20	6.412005	6.549955	6.868049	6.946137	6.12302	5.596363	5.850419	4.846622	3.147404	3.662256	2.613739	0.235612	0.937891	-0.20589	-6.07416	-4.62598	-6.94241	-11.8315	-9.62346	-12.2858	-21.5588	-17.5025	-22.2271	-23.4271	-18.3604	-21.6321	-18.4299	-20.0802	-20.9063	-26.6842	-22.0184	-23.2288	-19.7608	-17.7047	-19.6973	
25	6.412005	6.56117	6.78443	6.708845	5.855722	5.487508	5.819328	4.864924	3.970338	3.969739	2.861185	0.372718	1.047588	-0.49039	-6.46206	-5.38931	-5.55326	-10.5725	-8.60338	-11.5154	-18.7128	-15.4157	-16.1621	-21.9588	-22.2595	-17.4317	-20.865	-19.1572	-19.9757	-22.4387	-20.4179	-23.9165	-27.5828	-19.9007	-17.7877	-19.9602
30	6.412005	6.572764	6.712	6.486465	5.597366	5.368378	5.792045	4.948066	3.60934	3.995783	2.733088	-0.19088	0.054936	-0.51019	-6.30728	-4.94367	-6.46524	-12.8424	-10.808	-12.2858	-21.6833	-17.5025	-22.2271	-23.4271	-18.3604	-21.6321	-18.4299	-20.0802	-20.9063	-26.6842	-22.0184	-23.2288	-19.7608	-17.7047	-19.6973	
35	6.412005	6.585393	6.662028	6.312662	5.393488	5.254458	5.73049	4.977924	3.640001	3.751513	2.50157	-0.37337	-0.64334	-2.38164	-8.28029	-7.31499	-8.30801	-15.3172	-12.6688	-15.2716	-19.1663	-15.9637	-17.6008	-26.058	-19.2904	-20.1375	-20.3939	-24.9066	-22.0799	-20.9388	-20.531	-20.319	-23.3912	-19.5766	-17.4681	-20.8377
40	6.412005	6.599768	6.643057	6.215557	5.268887	5.179684	5.625335	4.89802	3.474527	3.315361	2.053195	-0.6825	-1.05301	-2.80241	-8.40504	-7.46541	-8.92227	-15.4163	-12.5875	-15.2716	-19.6788	-17.916	-18.1134	-24.9064	-20.1375	-20.3939	-24.9066	-22.0799	-20.9388	-20.531	-20.319	-23.3912	-19.5766	-17.4681	-20.8377	
45	6.412005	6.616198	6.659229	6.208922	5.298336	5.185762	5.517885	4.705142	3.217439	2.84475	1.361255	-1.4407	-1.507	-3.16557	-6.9992	-5.7033	-7.3415	-12.6967	-10.677	-13.4782	-23.8585	-23.1146	-18.7597	-27.0719	-25.2161	-27.3375	-21.0481	-26.3093	-28.1324	-21.1768	-23.4826	-18.4675	-19.2458	-17.2105	-16.9045	-22.1366
50	6.412005	6.634551	6.709501	6.287499	5.412986	5.292519	5.487003	4.497456	3.003652	2.571537	0.911978	-1.78071	-1.41243	-2.81925	-6.24077	-7.95737	-10.5037	-10.7075	-12.3472	-17.5919	-21.1651	-20.8309	-18.3219	-24.8192	-27.8463	-28.573	-21.861	-23.8186	-27.4643	-21.587	-23.4445	-17.9142	-18.6075	-15.9196	-16.548	-22.8937
55	6.412005	6.654258	6.788038	6.429905	5.585739	5.474039	5.59652	4.429297	2.91551	2.567705	1.0204	-1.38112	-0.7568	-2.57853	-6.87224	-7.58823	-9.34922	-15.8425	-12.826	-12.9419	-20.8954	-21.0747	-16.702	-20.2906	-29.2538	-25.6046	-23.8011	-21.7373	-23.7849	-21.0551	-20.2372	-16.9384	-18.3781	-14.8584	-16.2181	-23.6652
60	6.412005	6.674378	6.885585	6.670308	5.7623	5.665325	5.835934	4.610493	3.00047	2.72065	1.391701	-0.91604	-0.48624	-3.52663	-8.35263	-13.1492	-11.5204	-12.7259	-18.1908	-15.7876	-18.051	-23.579	-21.3526	-22.373	-21.0425	-22.1466	-20.2732	-17.9567	-15.9501	-18.4009	-14.126	-15.9847	-14.3815	-15.9847	-24.3815	
65	6.412005	6.693695	6.991278	6.792573	5.900955	5.792276	6.113101	4.995764	3.252428	2.895096	1.711443	-0.51966	-0.39066	-2.51746	-7.09253	-5.32684	-7.63553	-12.8409	-10.8257	-13.5073	-18.7153	-19.6754	-17.4474	-17.6961	-20.7401	-22.3354	-21.2799	-21.4176	-21.5858	-19.5856	-16.9148	-15.4007	-18.6883	-13.7753	-15.9066	-24.957
70	6.412005	6.710854	7.094304	6.965828	5.982791	5.801012	6.304458	5.401567	3.546405	2.93666	1.783873	-0.2721	0.001145	-1.95415	-6.90968	-5.08569	-6.82494	-14.036	-11.9537	-15.7735	-22.0346	-24.0303	-20.0337	-18.1205	-18.309	-21.6883	-20.9774	-22.7839	-21.734	-19.399	-16.6822	-15.4585	-19.2807	-13.8421	-16.0186	-25.3124
75	6.412005	6.724491	7.185085	7.115595	6.017447	5.677145	6.130924	5.631997	3.705716	2.69748	1.378914	-0.79625	-0.37804	-1.63942	-5.0311	-4.28683	-6.05337	-11.3926	-10.7514	-13.7378	-18.3893	-17.8572	-16.9724	-20.0568	-20.7824	-20.3486	-20.1267	-23.1485	-22.3577	-20.5226	-17.044	-16.1295	-20.0759	-14.3592	-16.3355	-25.4083
80	6.412005	6.733373	7.255865	7.236784	6.033158	5.457466	6.091081	5.566463	3.623597	2.179684	0.455514	-2.28121	-2.27893	-3.45435	-6.24898	-5.64917	-7.51366	-10.243	-10.2622	-13.0517	-17.2023	-16.1201	-15.3216	-20.3225	-26.7842	-19.864	-21.3591	-22.6028	-21.861	-23.8273	-17.9856	-17.4885	-20.6975	-15.3549	-16.8338	-25.2632
85	6.412005	6.736509	7.300886	7.327321	6.063788	5.228093	5.680432	5.180264	3.29658	1.597486	-0.57202	-3.8897	-4.5646	-6.22357	-9.96621	-9.23799	-11.5238	-14.3148	-14.7265	-16.0472	-18.6626	-17.7623	-16.7906	-21.8589	-23.2414	-18.728	-25.2675	-21.7658	-19.9964	-20.0537	-19.3365	-19.647	-20.6235	-18.6161	-17.441	-24.9382
90	6.412005	6.733249	7.316311	7.313504	6.12914	5.098811	5.198393	4.545282	2.780001	1.182698	-1.05569	-4.43384	-4.94779	-6.1234	-11.7614	-11.7416	-12.9834	-18.9228	-17.2678	-16.2043	-20.3013	-19.9877	-21.7627	-21.6756	-21.4101	-19.6156	-25.2566	-21.3137	-19.1041	-28.6795	-20.3513	-22.0989	-19.7843	-18.5848	-18.0324	-24.5922
95	6.412005	6.723343	7.300116	7.40957	6.222333	5.092306	4.811044	3.831236	2.152204	0.928269	-0.91426	-4.02054	-4.31721	-5.84355	-8.29945	-8.639195	-10.1644	-15.1587	-13.3657	-14.1459	-20.1978	-24.3438	-20.5428	-20.3012	-19.2035	-19.7913	-23.5845	-22.425	-20.577	-22.7545	-20.4503	-21.8947	-18.7045	-19.7001	-18.5152	-24.0084
100	6.412005	6.706978	7.252051	7.384471	6.315346	5.198401	4.626406	3.271466	1.551971	0.733097	-0.62043	-3.48665	-4.46715	-5.24863	-7.71943	-7.91493	-9.98272	-12.9884	-11.8482	-12.2283	-17.5295	-19.7983	-20.6601	-20.0354	-19.6733	-21.7563	-22.4058	-24.9644	-25.5828	-18.9882	-20.6815	-18.9021	-17.9529	-19.3009	-18.451	-24.4898
105	6.412005	6.684778	7.173724	7.314869	6.365905	5.320215	4.612014	3.027995	1.204884	0.67664	-0.37922	-3.05105	-4.59997	-6.56594	-8.51548	-7.60371	-9.00653	-12.4516	-13.1222	-12.6488	-17.1084	-20.0618	-18.1864	-18.7086	-24.3866	-26.8368	-26.7133	-25.5701	-28.7267	-17.0164	-22.7019	-16.2514	-17.9593	-17.755	-18.3978	-22.9468
110	6.412005	6.657784	7.068777	7.193877	6.350212	5.384202	4.645741	3.053502	1.230125	0.847066	-0.1175	-2.56965	-4.03947	-6.25926	-9.39497	-8.09487	-9.09265	-13.7885	-14.1398	-13.7714	-19.6448	-26.2464	-24.8083	-27.9737	-30.8098	-23.1865	-24.0794	-16.7591	-27.9561	-16.6753	-19.2107	-16.1354	-18.2328	-22.3811	-18.2328	-22.3811
115	6.412005	6.627378	6.943803	7.023166	6.251405	5.35512	4.618699	3.15459	1.505302	1.161868	0.094441	-2.44946	-3.46666	-5.44003	-9.62694	-9.194	-9.23772	-14.8227	-14.819	-14.6872	-19.5522	-29.1175	-22.7401	-18.8099	-26.6387	-26.1265	-23.948	-21.3941	-23.1156	-17.6426	-16.2181	-14.238	-22.7164	-14.8894	-18.291	-21.7832
120	6.412005	6.595309	6.804822	6.811725	6.070007	5.227677	4.47681	3.154971	1.817397	1.56921	0.2536	-2.6081	-3.43248	-5.05717	-9.26574	-8.90093	-9.50964	-16.5745	-17.4352	-15.2221	-18.7574	-22.8354	-19.8999	-20.0016	-21.1414	-23.53	-22.4655	-23.0515	-23.0643	-17.9318	-21.1818	-14.9926	-20.2572	-14.1079	-18.4464	-21.1495
125	6.412005	6.563067	6.664276	6.577565	5.824646	5.020582	4.227057	2.987823	2.007778	1.989983	0.429456	-2.87997	-3.60544	-4.84431	-8.70799	-9.69699	-17.3951	-16.9675	-14.8088	-14.8881	-21.3578	-20.7466	-20.4746	-20.7241	-22.6066	-21.9551	-17.4457	-19.9855	-16.681	-23.4919	-13.8169	-18.9691	-20.4852	-18.9691	-20.4852	
130	6.412005	6.532748	6.633211	6.347719	5.556138	4.78771	3.956397	2.71312	2.026267	2.260399	0.480163	-3.26695	-3.86789	-4.95861	-9.06754	-8.25523	-9.11922	-16.6482	-14.384	-13.9399	-20.059	-23.0691	-20.1425	-22.831	-23.0826	-20.6899	-20.1219	-20.5777	-22.3277	-17.8928	-21.2171	-1				