

Directional Gain Result(2G ANT5~6)

- Summary Result (single antenna)

[illegible]

Directional Gain Result(2G ANT11~12)

- Summary Result (single antenna)

[illegible]

Directional Gain Result(5G ANT1~4)

- Summary Result (single antenna)

[illegible]

Directional Gain Result(5G ANT11~12)

- Summary Result (single antenna)

[illegible]

Directional Gain Result(6G ANT7~10)

- Summary Result (single antenna)

[illegible]

Directional Gain Result(6G ANT11~12)

- Summary Result (single antenna)

[illegible]

Directional Gain Result (2G ANT5~6)

- Summary Result

[illegible]

Directional Gain Result (2G ANT11~12)

- Summary Result

[illegible]

Directional Gain Result(5G ANT1~4)

- Summary Result

[illegible]

Directional Gain Result(5G ANT11~12)

- Summary Result

[illegible]

Raw data – ANT1 (5.15GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
0	7.6778894	7.644358	7.538737	7.2229	6.848275	6.46613	5.781895	4.717338	3.700872	2.98785	2.00035	1.584275	-0.19858	-1.07733	-0.08066	-4.468	-8.06376	-10.3676	-13.6257	-14.8618	-15.0397	-17.2286	-20.0776	-23.3895	-22.619	-21.2249	-25.447	-28.638	-23.4537	-31.855	-22.6366	-24.7707	-29.7156	-26.1065		
5	7.6778894	7.64405	7.557324	7.26477	6.861037	6.39625	5.672035	4.659792	3.722887	3.034629	2.147147	0.971113	0.24363	-1.83565	-1.12019	-6.367	-8.08371	-10.4512	-13.3498	-14.5044	-14.9005	-17.1082	-20.0776	-23.3895	-22.619	-21.2249	-25.447	-28.638	-23.4537	-31.855	-22.6366	-24.7707	-29.7156	-26.1065		
10	7.6778894	7.648012	7.583254	7.308099	6.871861	6.33504	5.584325	4.611298	3.726563	3.029208	2.131305	0.918636	-0.44191	-2.15893	-4.4426	-6.68686	-8.4011	-10.7546	-12.9865	-13.676	-14.3426	-16.044	-19.166	-25.5035	-23.4249	-23.7592	-26.8364	-27.3042	-25.6215	-23.0782	-26.4775	-29.6622	-23.4359	-28.7425	-27.4915	-25.35
15	7.6778894	7.655657	7.613889	7.349171	6.879527	6.285976	5.527679	4.611542	3.726563	3.039166	2.139166	0.818864	-0.2575	-2.24908	-4.66958	-6.6077	-8.44112	-10.6715	-12.921	-14.5039	-15.0899	-17.2286	-20.0776	-23.3895	-22.619	-21.2249	-25.447	-28.638	-23.4537	-31.855	-22.6366	-24.7707	-29.7156	-26.1065		
20	7.6778894	7.666331	7.646828	7.385674	6.883735	6.258081	5.503759	4.651204	3.81942	2.986142	1.956969	0.762393	-0.52089	-2.1635	-4.31074	-6.31882	-8.07238	-10.2513	-12.7015	-14.2417	-16.1065	-20.8774	-25.756	-24.338	-23.9223	-22.464	-24.2638	-24.8553	-25.2945	-25.2703	-31.4821	-27.4621	-25.517	-24.2347	-24.7168	-24.3694
25	7.6778894	7.679353	7.680038	7.416221	6.885503	6.230842	5.508972	4.716032	3.902752	3.016497	1.993113	0.728951	-0.58704	-2.20863	-4.50803	-6.31694	-8.0874	-10.8954	-13.7246	-14.8098	-16.8296	-22.3272	-26.5242	-25.3331	-23.9223	-22.6125	-24.6126	-23.5828	-25.1031	-26.8828	-23.2529	-27.2461	-26.9507	-31.4821	-28.8828	-23.8989
30	7.6778894	7.690407	7.71191	7.440543	6.887009	6.227743	5.538637	4.787973	3.96993	3.0348	1.924183	0.692071	-0.6903	-2.54574	-5.13437	-7.27227	-10.1285	-12.6595	-15.5541	-17.6635	-19.1796	-19.3889	-19.6905	-19.703	-19.6112	-23.8976	-26.8631	-23.5975	-24.8495	-28.1387	-30.2138	-27.397	-29.5715	-27.6861	-31.4908	-23.4798
35	7.6778894	7.709767	7.741249	7.459109	6.880062	6.242918	5.589702	4.858648	3.99375	2.987555	1.838845	0.627873	-0.76214	-5.5687	-7.97727	-10.7625	-11.7331	-14.0049	-15.7331	-16.5413	-15.9339	-16.5413	-18.3974	-21.3912	-25.135	-28.8664	-24.3836	-25.0469	-29.1506	-28.2106	-27.8257	-32.5515	-28.5737	-30.3665	-32.1311	
40	7.6778894	7.725926	7.767222	7.472692	6.889896	6.275678	5.658927	4.932288	4.00881	2.889074	1.674377	0.510639	-0.71319	-2.33697	-4.33203	-6.08273	-7.34295	-8.87961	-10.8689	-12.4974	-13.8032	-15.3654	-17.6137	-19.447	-21.9678	-27.7136	-28.5558	-24.7772	-25.2714	-30.4491	-27.1818	-28.606	-32.8847	-22.7778	-19.553	-25.8662
45	7.6778894	7.742003	7.789274	7.481941	6.911664	6.321292	5.73781	5.012844	4.030947	2.822503	1.50003	0.326258	-0.81129	-2.26223	-3.95037	-5.32504	-6.39584	-7.9141	-9.94374	-12.0034	-14.06	-16.3567	-19.1706	-20.8874	-23.5107	-26.5075	-26.0158	-23.6542	-24.8722	-31.5678	-26.9697	-29.8075	-30.15	-21.3474	-18.9634	-22.6947
50	7.6778894	7.757553	7.807056	7.48708	6.927	6.370817	5.810012	5.087445	4.106126	2.863955	1.464424	0.12651	-1.4987	-2.68891	-4.5481	-5.92412	-7.20053	-9.04602	-11.3664	-13.3958	-16.6156	-20.895	-24.2225	-19.952	-20.2852	-21.9656	-23.708	-22.1983	-24.4433	-31.0692	-27.159	-30.9456	-27.507	-30.4057	-18.9515	-22.6236
55	7.6778894	7.772217	7.820367	7.487788	6.941399	6.413531	5.855907	5.125352	4.17139	2.9938	1.605558	0.08599	-1.49877	-3.30162	-5.20504	-6.86565	-8.13761	-11.3839	-14.0618	-16.7525	-18.0171	-17.8395	-18.3153	-18.3764	-19.095	-20.9608	-22.1103	-21.6454	-24.6267	-28.9043	-27.209	-30.5134	-25.6245	-19.8766	-18.414	-22.658
60	7.6778894	7.787516	7.829123	7.483297	6.950517	6.440779	5.862416	5.066784	4.16463	3.039785	1.816444	0.283373	-1.47338	-3.3928	-5.28216	-6.95801	-8.83211	-11.3928	-13.8798	-15.1103	-15.1787	-15.5446	-16.9187	-18.9472	-21.5402	-23.5853	-22.7614	-21.9776	-24.785	-26.2971	-26.7337	-28.4448	-24.4268	-19.7153	-18.4908	-22.8013
65	7.6778894	7.797852	7.833358	7.472636	6.950359	6.448764	5.831158	4.997243	4.038871	3.036253	1.902434	0.506391	-1.166	-2.9505	-4.56666	-6.59244	-7.46607	-9.35324	-11.1179	-12.3376	-13.3619	-14.8617	-17.285	-21.3466	-26.4766	-26.4971	-23.3159	-22.3993	-24.0221	-24.3026	-25.958	-26.4559	-23.8569	-19.8962	-18.7668	-23.055
70	7.6778894	7.808505	7.833248	7.454938	6.937993	6.438461	5.778216	4.858568	3.81357	2.778443	1.704971	0.445308	-1.07491	-2.70871	-4.16791	-5.45966	-6.96913	-8.77685	-10.4251	-11.9415	-13.9348	-16.3139	-19.1713	-23.1479	-23.8614	-23.3604	-22.6842	-22.6781	-23.2806	-23.3103	-25.4121	-25.3918	-23.9397	-20.403	-19.2732	-23.4177
75	7.6778894	7.817622	7.829139	7.429747	6.911744	6.412768	5.72356	4.732883	3.572694	2.398581	1.233351	-0.01863	-1.48142	-3.10739	-4.69221	-6.27891	-8.25242	-10.5399	-12.2745	-13.7482	-16.2053	-19.0659	-21.0094	-21.1211	-20.2621	-21.2342	-22.5376	-23.8436	-23.5702	-23.206	-25.4059	-25.5437	-24.761	-21.2154	-20.0307	-23.8822
80	7.6778894	7.825216	7.821583	7.397262	6.871107	6.373009	5.675938	4.651872	3.397314	2.035453	0.645758	-0.4924	-2.295	-3.95151	-5.73727	-7.63948	-10.0064	-12.8001	-14.6271	-15.3944	-16.7978	-19.0261	-19.8007	-18.5904	-18.42	-20.6007	-23.7537	-26.5631	-24.2084	-23.3265	-25.8298	-27.2624	-26.9322	-22.2822	-21.0749	-24.4319
85	7.6778894	7.83135	7.811347	7.358498	6.81674	6.317505	5.625245	4.595395	3.279856	1.747043	0.106199	-1.7843	-3.05406	-4.78228	-6.66611	-8.45449	-10.5795	-13.0887	-14.6562	-15.9084	-16.2505	-18.6298	-19.6656	-18.4619	-18.4266	-21.2243	-26.3735	-27.3007	-23.1999	-22.8803	-25.9617	-31.1999	-28.4532	-23.4738	-22.4667	-25.0334
90	7.6778894	7.836131	7.799406	7.315348	6.750731	6.242503	5.549912	4.509977	3.127875	1.454588	-0.35933	-2.03324	-3.57554	-5.23965	-6.94947	-8.43786	-10.2031	-12.4441	-14.002	-14.7331	-16.5845	-18.8087	-21.9706	-21.0457	-20.3861	-23.2413	-28.8882	-24.3178	-21.5755	-22.1481	-24.9698	-33.9738	-28.932	-24.5324	-24.3146	-26.6222
95	7.6778894	7.839695	7.786906	7.270527	6.676997	6.151223	5.433743	4.335022	2.854374	1.054681	-0.81261	-2.4609	-3.79544	-5.23965	-6.79292	-8.04956	-9.88666	-12.3929	-14.9492	-15.3513	-17.1164	-20.5871	-21.4528	-23.3871	-26.3582	-28.2856	-28.1186	-23.1117	-21.3283	-23.5328	-28.6827	-26.8671	-25.1365	-26.8276	-26.1272	
100	7.6778894	7.842194	7.775096	7.22779	6.601406	6.047307	5.279762	4.077987	2.44671	0.528635	-1.2863	-2.68911	-3.93785	-5.28929	-6.64518	-8.07786	-10.1934	-12.9047	-15.026	-15.9527	-17.6244	-21.2191	-24.9992	-24.0057	-21.7319	-22.9923	-27.6873	-24.9136	-23.0847	-22.5328	-22.0662	-24.9897	-24.5971	-25.1674	-30.4635	-26.469
105	7.6778894	7.843788	7.765237	7.189608	6.531245	5.945051	5.113173	3.780404	1.974334	-0.05003	-1.77502	-3.05454	-4.26028	-5.59658	-6.85017	-8.06519	-9.87628	-12.9839	-14.7268	-15.9694	-16.6599	-16.7269	-18.2248	-21.3145	-22.9923	-27.6873	-24.9136	-23.0847	-22.5328	-22.0662	-24.9897	-24.5971	-25.1674	-30.4635	-26.469	
110	7.6778894	7.844626	7.758495	7.167061	6.473966	5.869091	4.972544	3.519693	1.5594	-0.55107	-2.24023	-3.48135	-4.81225	-6.2464	-7.5425	-8.90679	-10.7935	-13.0552	-13.8087	-14.2084	-15.7146	-18.1113	-20.4327	-21.7278	-22.4785	-24.0664	-27.0316	-27.0768	-25.9545	-24.8885	-22.5566	-23.1408	-22.4447	-24.3989	-40.8153	-26.0536
115	7.6778894	7.844842	7.755839	7.149303	6.435551	5.808623	4.893214	3.372671	1.32466	-2.77863	-3.95757	-5.52649	-6.98606	-7.94263	-8.88553	-10.0299	-13.1171	-14.4349	-15.7384	-16.8272	-19.0404	-20.8199	-22.2908	-24.1837	-25.4184	-25.1738	-23.9549	-23.725	-25.7063	-24.6957	-24.1729	-22.4334	-24.0363	-33.8281	-25.4635	
120	7.6778894	7.844545	7.757937	7.141223	6.41921	5.793649	4.890099	3.271267	1.331305	-0.79685	-2.63044	-4.2939	-4.14908	-7.16325	-8.93926	-10.7774	-13.5609	-15.1202	-17.1707	-20.2472	-23.8902	-23.653	-25.8496	-27.761	-26.0796	-22.9121	-23.7841	-29.4088	-24.7267	-26.0796	-22.9121	-23.7841	-29.4088	-24.7267		
125	7.6778894	7.843813	7.765088	7.153842	6.425022	5.811255	4.954507	3.50944	1.550799	-0.48352	-2.34052	-4.26452	-4.68425	-6.3315	-9.07293	-9.83407	-11.9803	-15.1534	-17.6395	-20.2798	-22.9055	-24.1209	-24.7482	-25.1307	-27.309	-29.4762	-28.2838	-26.4696	-23.1776	-25.8564	-26.9146	-27.9772	-23.6979	-23.6374	-26.642	-23.9403
130	7.6778894	7.842699	7.77717	7.181783	6.450679	5.849211	5.056344	3.712797	1.89461	-0.00431	-1.81324	-3.85442	-4.36299	-6.18737	-11.2119	-13.6375	-17.0052	-19.3627	-22.7532	-24.3667	-24.342	-27.3178	-28.3749	-28.7304	-29.1319	-29.5484	-28.6085	-24.5962	-23.5815	-24.7462	-24.7462	-23.171				
135	7.6778894	7.841232	7.793632	7.224038	6																															

Raw data – ANT1 (5.20GHz)

ThetaPhi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	
0	7.520669	7.430176	7.315962	7.055442	6.662432	6.22722	5.908934	4.463474	1.863418	0.782172	-0.26392	-1.91198	-4.50148	-7.10455	-8.95534	-11.5854	-14.9792	-15.594	-15.5422	-17.8153	-21.3419	-23.963	-23.2	-22.251	-27.0976	-28.2608	-27.5722	-22.5354	-22.5966	-34.9053	-26.6856	-28.7985	-25.9781	-24.7587			
5	7.520669	7.433451	7.339201	7.081785	6.674783	6.16682	5.429002	4.453125	3.558762	2.889894	2.074363	2.074447	-4.55816	-7.7006	-8.4731	-11.7926	-14.7361	-15.4322	-15.5727	-17.1564	-20.0319	-23.1146	-24.6645	-25.323	-24.6645	-27.3689	-27.7337	-23.931	-25.5176	-25.5739	-26.6853	-28.2189	-25.5116	-24.6645			
10	7.520669	7.440914	7.368265	7.120014	6.685443	6.118774	5.375452	4.463175	3.613372	2.922594	2.07846	0.800382	-0.67445	-2.54543	-4.95968	-7.07138	-8.79101	-11.2122	-13.6895	-14.3128	-14.6787	-16.7828	-19.478	-24.4786	-26.3615	-24.7286	-26.8908	-25.6384	-26.5813	-24.3657	-25.012	-22.2494	-24.522	-30.4137	-24.8877	-23.9662	
15	7.520669	7.451948	7.4006	7.157819	6.693432	6.089964	5.353237	4.595006	3.673088	2.895567	1.961762	0.753225	-0.67445	-2.54543	-4.95968	-7.07138	-8.79101	-11.2122	-13.6895	-14.3128	-14.6787	-16.7828	-19.478	-24.4786	-26.3615	-24.7286	-26.8908	-25.6384	-26.5813	-24.3657	-25.012	-22.2494	-24.522	-30.4137	-24.8877	-23.9662	
20	7.520669	7.465899	7.433997	7.189514	6.698496	6.096961	5.364615	4.581225	3.759582	2.89741	1.864742	0.672356	-0.72924	-2.50635	-4.62244	-6.58943	-8.31143	-10.341	-12.2445	-13.436	-15.9394	-20.005	-26.2899	-25.7957	-27.2796	-22.3175	-23.9596	-24.6154	-26.0861	-26.5369	-28.0571	-27.9637	-25.268	-36.9489	-23.179	-23.209	
25	7.520669	7.481989	7.466696	7.214212	6.701481	6.069988	5.404589	4.680275	3.869377	2.85814	1.847474	0.673094	-0.72924	-2.50635	-4.63498	-6.58568	-8.31143	-10.341	-12.2445	-13.436	-15.9394	-20.005	-26.2899	-25.7957	-27.2796	-22.3175	-23.9596	-24.6154	-26.0861	-26.5369	-28.0571	-27.9637	-25.268	-36.9489	-23.179	-23.209	
30	7.520669	7.499643	7.497414	7.232095	6.704221	6.086962	5.466367	4.783312	3.968236	2.900546	1.870029	0.622259	-0.88211	-2.88993	-5.46141	-8.00995	-10.3134	-12.899	-16.0215	-18.9307	-21.9856	-21.4747	-20.7945	-19.787	-19.4472	-23.2812	-28.2517	-26.2536	-26.9652	-29.2382	-27.0839	-26.879	-28.7367	-29.344	-31.3159	-22.6828	
35	7.520669	7.518209	7.52531	7.244096	6.708924	6.120188	5.544278	4.878308	4.026378	2.98356	1.832308	0.623183	-0.88211	-2.92056	-5.47628	-8.10731	-11.071	-13.071	-16.0776	-17.6794	-21.7577	-24.8582	-23.1102	-27.8229	-27.393	-30.925	-26.1995	-27.0765	-30.4149	-26.051	-30.5078	-22.7689	-22.7689	-22.7689	-22.7689		
40	7.520669	7.537126	7.549897	7.251468	6.717203	6.167472	5.63342	4.96664	4.052307	2.907086	1.863612	0.532327	-0.72726	-2.43079	-5.45138	-6.53209	-8.14761	-9.92119	-11.9849	-13.4567	-14.7244	-15.8318	-17.0865	-18.3489	-21.341	-28.9678	-32.8724	-27.4926	-27.0318	-32.856	-25.6712	-27.6175	-30.8383	-32.7171	-19.8427	-22.728	
45	7.520669	7.559902	7.570937	7.255339	6.720917	6.223199	5.725314	5.053051	4.085475	2.841072	1.488369	0.274083	-0.86566	-2.37722	-3.78799	-5.15124	-6.35573	-7.98774	-10.0439	-13.9766	-15.7926	-15.8683	-18.5397	-20.2619	-23.406	-27.2434	-27.6446	-25.3644	-26.1948	-33.635	-25.3801	-28.2642	-29.0176	-22.0704	-19.346	-22.7685	
50	7.520669	7.57412	7.588339	7.256375	6.743004	6.27779	5.804328	5.127641	4.147253	2.877929	1.421506	-0.00508	-1.3362	-2.76392	-4.20515	-5.31563	-6.42676	-8.23784	-10.5207	-13.1225	-16.211	-19.0717	-21.8335	-20.4443	-20.853	-21.6282	-23.8353	-23.7935	-26.11	-31.5407	-25.0484	-28.5163	-26.8396	-20.9584	-19.0345	-22.9098	
55	7.520669	7.591439	7.602077	7.254617	6.755272	6.320645	5.850136	5.160189	4.201048	3.002905	1.579272	0.004751	-1.36403	-3.39877	-5.06077	-6.32457	-7.80002	-10.2299	-16.1128	-22.9899	-16.6169	-19.6341	-20.8356	-18.5025	-18.371	-20.1299	-22.5236	-23.5506	-26.9749	-28.0698	-24.4971	-27.9395	-25.2175	-20.2663	-18.9214	-23.2332	
60	7.520669	7.607589	7.612146	7.249526	6.761872	6.341757	5.846467	5.116313	4.171322	3.080708	1.81002	0.318338	-1.37705	-3.25063	-5.15769	-6.87387	-8.91547	-11.7246	-14.402	-15.6114	-15.3641	-15.7133	-17.1225	-18.431	-19.7127	-21.8431	-23.2613	-24.1764	-28.8444	-25.0712	-23.8387	-26.8376	-24.7786	-20.0364	-19.0195	-23.647	
65	7.520669	7.622374	7.618554	7.240185	6.759146	6.336991	5.790535	4.983577	4.004285	2.972292	1.85059	0.546353	-0.96364	-2.61366	-4.23167	-5.85132	-7.63652	-9.73472	-11.5933	-12.9242	-13.4116	-16.7399	-18.749	-23.2402	-25.2356	-24.3396	-24.1172	-24.8312	-23.1642	-23.3796	-25.9253	-24.0375	-20.1523	-19.3451	-24.2062		
70	7.520669	7.635662	7.621349	7.225595	6.74466	6.308025	5.696179	4.787241	3.716557	2.646748	1.565134	0.351219	-1.07236	-2.61509	-4.0809	-5.47818	-7.08183	-8.95144	-10.6442	-12.0348	-13.6767	-15.7683	-18.9007	-23.2056	-24.4772	-24.8199	-23.6411	-23.307	-23.4307	-22.4348	-23.3936	-25.741	-24.5555	-20.6261	-19.9212	-24.9233	
75	7.520669	7.647385	7.620661	7.204973	6.717141	6.260518	5.586909	4.580113	3.393183	2.666748	1.042953	-0.23022	-1.76932	-3.52432	-5.26362	-6.94907	-8.88317	-11.0644	-12.7908	-14.4738	-16.2802	-18.5884	-22.5984	-23.928	-21.8126	-22.167	-22.5285	-23.5331	-23.5262	-22.6568	-23.9966	-26.69	-25.9526	-21.4319	-20.783	-25.8043	
80	7.520669	7.657532	7.616757	7.178002	6.677585	6.200396	5.481842	4.406157	3.119591	1.795042	0.501664	-0.85731	-2.48703	-4.43049	-6.51511	-8.64384	-11.1337	-14.0533	-16.11	-16.9549	-18.478	-20.2803	-21.8496	-21.0603	-19.8153	-20.7081	-22.6531	-25.4598	-24.0939	-23.1	-24.9737	-29.1943	-28.2044	-22.502	-21.9856	-26.8338	
85	7.520669	7.666143	7.610088	7.145013	6.626224	6.130954	5.346268	4.266724	2.90155	1.448233	0.04743	-1.31271	-2.84878	-4.68833	-6.66348	-8.75553	-10.7323	-13.5413	-15.5177	-15.9889	-16.9423	-19.0839	-21.0851	-20.7252	-20.0204	-21.2212	-24.4309	-26.5743	-23.0986	-22.8477	-25.3958	-32.0643	-29.7868	-23.6629	-23.6186	-27.9391	
90	7.520669	7.673306	7.601318	7.107095	6.565147	6.052703	5.284732	4.125618	2.673328	1.093905	-0.3686	-1.65321	-3.03224	-4.6513	-6.2805	-7.70869	-9.59833	-12.0788	-13.9909	-14.7494	-16.1825	-19.3979	-22.9159	-23.4871	-22.9474	-24.1542	-27.0047	-24.6268	-21.646	-22.1505	-24.3234	-28.9007	-27.8744	-24.6135	-25.8241	-28.9297	
95	7.520669	7.67914	7.591329	7.066127	6.497156	5.965902	5.169556	3.94581	2.736545	0.6777	-0.78089	-1.95286	-3.28035	-4.69427	-6.11812	-7.95555	-9.44495	-12.1259	-14.2466	-15.2605	-16.7958	-17.1638	-22.7296	-24.0209	-21.6252	-21.8655	-22.5968	-24.7259	-24.8878	-25.0006	-24.8878	-25.0006	-24.8878	-25.0006	-24.8878	-25.0006	
100	7.520669	7.683796	7.581191	7.024723	6.426316	5.87375	5.037104	3.719619	2.008123	0.213408	-1.17986	-2.25316	-3.51116	-5.03032	-6.55149	-8.15578	-10.5648	-13.5035	-15.4532	-16.1771	-17.9826	-21.9235	-26.0937	-25.8389	-24.8496	-25.6216	-27.9848	-26.5454	-23.4739	-22.2467	-21.3963	-22.2113	-22.7518	-24.7854	-32.0513	-29.1621	
105	7.520669	7.688739	7.572101	6.986075	6.357955	5.783996	4.901104	3.474949	1.615973	0.42035	-1.56691	-2.58148	-3.86816	-5.45301	-7.00612	-8.71379	-10.4705	-13.5201	-15.5693	-16.2589	-18.2297	-22.7395	-22.9048	-23.1193	-24.7681	-27.5719	-29.1008	-25.7273	-23.3162	-21.2158	-21.13	-21.5827	-22.3429	-32.2691	-28.1623		
110	7.520669	7.690238	7.565303	6.9537	6.298136	5.707772	4.787165	3.264302	1.278257	0.464927	-1.94128	-2.95711	-4.30373	-5.81149	-7.15499	-8.69593	-10.3995	-13.5642	-15.5502	-14.9996	-16.6838	-18.893	-20.761	-21.6727	-23.009	-24.741	-24.6993	-24.7361	-24.6227	-24.5791	-22.2662	-21.2621	-21.2424	-23.5748	-28.9945	-26.802	
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120	7.520669	7.69498	7.56313	6.921404	6.226027	5.635531	4.723584	3.153136	1.08403	0.91293	-2.37589	-3.67687	-5.27878	-6.72482	-7.4799	-8.5954	-10.3842	-13.2113	-15.3872	-17.4666	-20.3938	-24.0801	-24.3613	-22.6338	-22.6488	-24.307	-24.0012	-22.3025	-21.9334	-22.2387	-24.7389	-22.42	-22.2387	-23.5079	-24.7192		
125	7.520669	7.695137	7.56047	6.927044	6.22128	5.645785	4.78812	3.289235	1.282381	-0.4636	-2.22239	-3.73104	-5.60732	-7.40264	-8.46895	-9.5315	-11.2272	-14.6415	-16.9558	-19.495	-23.353	-26.7239	-26.1141	-23.5724	-23.122	-24.5359	-25.1885	-23.39	-22.523	-22.2123	-29.4415	-21.7129	-23.4169	-21.5658	-21.7303	-23.9787	
130	7.520669	7.696019	7.581323	6.904474	6.228955	5.679944	4.805172	3.313304	1.649151	-0.40205	-1.73967	-3.4459	-5.66388	-7.87351	-9.51022	-10.9638	-13.343	-16.4645	-19.1608	-21.739	-24.369	-26.6517	-24.5359	-24.8811	-24.3033	-24.8507	-25.6512	-25.2805	-25.0101	-27.0532	-28.6368	-27.789	-24.1054	-20.939	-20.392	-24.1961</	

Raw data – ANT1 (5.25GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
0	7.9000027	7.799397	7.873024	7.591532	7.017051	6.586051	5.975926	4.801182	3.7787	3.316286	2.335492	0.903038	-0.00324	-1.57809	-4.79882	-7.31724	-8.63414	-12.4631	-16.5344	-14.8218	-14.9631	-18.4288	-21.0717	-21.4618	-20.5492	-26.0109	-26.6926	-22.791	-22.1187	-22.016	-27.7115	-31.1274	-28.5603	-31.2514	-22.9146	-24.1875
5	7.9000027	7.82386	7.904834	7.627599	7.033991	6.531316	5.910028	4.832944	3.843643	2.53244	0.903038	-0.00324	-1.46383	-4.32608	-6.97616	-8.74295	-12.3077	-15.7971	-14.8518	-14.9631	-17.97	-20.7481	-21.9483	-26.7485	-28.7255	-23.5803	-23.4407	-23.0513	-27.3505	-29.9022	-28.5327	-29.9022	-22.0103	-23.8599		
10	7.9000027	7.851402	7.933919	7.656303	7.026269	6.49613	5.881063	4.911973	3.967903	2.496619	0.903038	-0.00324	-1.69884	-4.20054	-6.57909	-7.92381	-10.6733	-13.4728	-13.4868	-14.0594	-17.0786	-19.5583	-21.4933	-24.3475	-27.7428	-23.7788	-24.3537	-27.288	-28.2582	-28.5533	-28.0283	-31.2282	-23.8626			
15	7.9000027	7.8778	7.954979	7.681443	7.077872	6.494167	5.889826	5.039251	4.126835	2.584489	2.480342	1.141458	0.48987	-2.76027	-6.76539	-8.0245	-10.0074	-11.7837	-12.3944	-12.3944	-17.0195	-19.4982	-21.7442	-25.7669	-28.7442	-23.4425	-23.8465	-26.337	-27.4817	-26.465	-28.6011	-26.4231	-20.6462	-23.3626		
20	7.9000027	7.903427	7.968793	7.695335	7.112032	6.530846	5.960218	5.188815	4.202138	2.415733	0.903038	-0.0112	2.53045	-4.95521	-6.79902	-8.1058	-10.0068	-11.434	-12.1997	-14.5539	-19.2008	-22.721	-28.8079	-22.5595	-23.1215	-24.8946	-21.2079	-24.8079	-20.984	-27.4702	-25.3829	-28.6659	-23.0293	-20.1544	-23.2524	
25	7.9000027	7.924809	7.973249	7.698577	7.153648	6.600044	6.046878	5.323407	4.445226	2.357133	2.268145	0.92841	-0.5125	-2.47953	-4.74777	-6.4131	-7.88818	-10.0072	-12.1276	-13.6764	-17.5643	-24.3839	-27.6912	-23.1478	-20.0759	-21.3115	-23.7444	-23.4107	-26.8784	-31.7189	-26.8398	-24.5424	-28.8022	-24.4642	-19.8839	-23.2191
30	7.9000027	7.946784	7.967847	7.690022	7.197604	6.650025	6.138834	5.426296	4.565045	2.543341	2.331076	1.052445	-0.380625	-2.93763	-5.30689	-6.91767	-8.26175	-10.7823	-12.8639	-22.7219	-22.6292	-24.644	-28.0185	-20.0732	-25.5253	-24.9744	-20.9511	-30.7012	-26.0409	-24.2017	-29.0981	-24.0143	-19.7916	-23.7237	-23.9928	
35	7.9000027	7.9618	7.952773	7.669598	7.236706	6.782409	6.217314	5.480792	4.626665	2.613311	2.418109	1.202607	-0.17184	-2.42545	-5.84671	-9.12834	-11.4432	-14.7586	-19.383	-21.9309	-18.4097	-16.7093	-17.9817	-18.7819	-18.7354	-24.3166	-29.8587	-28.536	-30.353	-28.046	-25.7165	-24.3464	-29.6088	-23.8598	-19.8726	-23.4309
40	7.9000027	7.976308	7.928844	7.635386	7.263819	6.820485	6.270958	5.487904	4.623239	2.6305105	2.3882	1.201552	-0.00069	-1.83418	-4.57993	-7.35388	-9.24084	-11.161	-13.3257	-13.4366	-13.9409	-17.729	-17.9824	-17.4761	-20.1094	-29.4423	-23.3092	-31.2555	-29.9723	-27.3572	-26.0177	-24.8607	-30.1327	-23.9694	-20.1168	-23.6716
45	7.9000027	7.988342	7.89742	7.590278	7.273726	6.913	6.296777	5.465728	4.585376	2.532105	2.197134	0.90557	-0.1403	-1.42231	-3.15059	-4.72143	-5.95692	-7.16235	-9.45359	-10.6035	-11.7817	-13.702	-14.5978	-18.7837	-22.5348	-25.2348	-27.8117	-27.8773	-28.5086	-27.5962	-26.6609	-25.5352	-31.0933	-24.3023	-20.5065	-23.9828
50	7.9000027	7.998196	7.860286	7.556762	7.264201	6.934752	6.296211	5.436643	4.564729	2.519671	1.997061	0.943444	-0.27255	-1.7932	-2.94997	-3.87526	-5.19254	-7.1894	-10.0871	-10.7833	-13.6907	-17.8194	-20.4578	-18.8789	-19.9751	-19.1558	-22.9009	-24.2895	-26.198	-27.0732	-27.1486	-26.0164	-31.6999	-24.7739	-21.0109	-24.9128
55	7.9000027	8.006257	7.819946	7.474537	7.236167	6.924204	6.268831	5.405626	4.5795	2.560517	2.020792	0.923378	-1.21985	-2.47731	-3.5801	-4.49506	-6.18193	-9.19258	-11.5848	-13.7037	-15.7571	-18.8452	-20.3655	-16.7997	-15.7974	-17.6687	-21.4287	-22.1345	-23.2875	-25.1418	-27.08	-25.9717	-31.6866	-25.209	-21.5809	-24.8173
60	7.9000027	8.012974	7.777198	7.410398	7.19315	6.883306	6.209372	5.349484	4.576538	2.670458	2.298371	0.964852	-2.38019	-2.53885	-3.677	-11.946	-14.3809	-14.4939	-15.8747	-16.6822	-16.1618	-16.7955	-19.8267	-22.7159	-20.8039	-20.6882	-23.1555	-26.336	-25.2933	-30.636	-25.3382	-22.1464	-25.2733			
65	7.9000027	8.018825	7.735451	7.346788	7.1403	6.817032	6.112486	5.234381	4.467249	2.641389	2.47738	1.146603	-0.05287	-1.43872	-3.45169	-5.74752	-7.75789	-9.50017	-10.8258	-11.1677	-11.6759	-13.6107	-15.8398	-17.6781	-20.3653	-25.0852	-23.9258	-19.5614	-19.0025	-22.0315	-25.1088	-24.2297	-28.731	-24.9579	-22.6284	-25.7141
70	7.9000027	8.024297	7.696071	7.286667	7.083164	6.733602	6.052335	5.050886	4.210255	2.348763	2.248005	1.051266	0.222509	-1.13295	-2.88443	-4.95401	-6.55572	-7.69892	-8.87384	-10.0662	-11.7414	-14.5841	-17.9058	-21.0128	-23.8519	-26.2085	-22.5135	-18.7423	-18.5548	-22.0154	-23.7872	-23.1531	-26.5909	-24.1538	-22.9687	-26.0093
75	7.9000027	8.029851	7.660522	7.231958	7.026372	6.634585	5.873782	4.83415	3.864561	2.854151	1.266268	0.237875	-1.089	-2.49072	-4.35061	-6.52311	-8.26528	-9.40149	-10.6267	-12.3471	-14.0043	-18.7345	-21.5528	-21.8802	-22.6643	-24.272	-22.0698	-19.256	-19.6245	-22.9709	-22.6806	-22.3068	-24.6781	-23.2331	-23.1638	-26.395
80	7.9000027	8.039813	7.629874	7.183333	6.972496	6.556086	5.701993	4.643115	3.554091	2.377889	0.996784	0.63367	-0.46501	-1.45441	-3.82692	-5.33897	-6.13594	-7.35947	-9.07484	-10.6047	-12.4041	-19.4941	-18.9171	-20.3282	-23.5931	-23.8522	-21.574	-22.1991	-23.9313	-21.9539	-21.7793	-23.2132	-22.4839	-23.273	-26.355	
85	7.9000027	8.042846	7.604833	7.14035	6.921551	6.475589	5.589267	4.508455	3.508066	2.080039	0.689932	-0.8712	-2.7292	-4.94396	-7.21782	-9.43163	-11.5583	-13.3026	-14.8288	-16.7174	-18.6423	-18.8214	-18.3837	-18.5344	-20.6141	-25.1032	-26.0773	-23.7498	-23.9566	-23.6037	-21.7192	-21.5692	-22.3026	-22.0931	-23.3889	-26.5832
90	7.9000027	8.050953	7.558587	7.101879	6.87151	6.399427	5.490736	4.402737	3.206343	0.967058	0.618219	-0.68404	-1.18051	-3.93539	-5.68688	-7.4737	-9.29043	-12.2653	-14.3447	-16.9043	-18.2823	-18.4828	-21.4623	-25.7299	-30.0415	-24.402	-22.3203	-22.6329	-22.9394	-21.9932	-21.6069	-22.0181	-22.1686	-23.6011	-26.4796	
95	7.9000027	8.060457	7.573119	7.066711	6.819813	6.32146	5.384823	4.268089	3.016811	1.705655	0.525635	-0.58897	-1.81605	-3.23491	-4.78186	-6.61276	-8.62425	-11.7744	-11.5192	-13.706	-16.0474	-18.7427	-20.8971	-23.5065	-27.6757	-28.0558	-23.3531	-21.5298	-21.9355	-23.2595	-22.3599	-21.7092	-22.4225	-22.7849	-23.9717	-26.2632
100	7.9000027	8.071503	7.569925	7.034147	6.765199	6.238068	5.256605	4.067386	2.717803	1.374967	0.236666	-0.87481	-2.13357	-3.66028	-4.7047	-7.46226	-10.0089	-14.1074	-12.8563	-15.3105	-16.9613	-21.1571	-21.8771	-21.2883	-22.4268	-25.0973	-25.0188	-23.0922	-23.2669	-24.3582	-21.8294	-21.8876	-23.5326	-23.959	-24.5233	-25.9576
105	7.9000027	8.084153	7.567498	7.004399	6.708971	6.153001	5.113097	3.813482	2.322491	0.898813	-0.27544	-1.46866	-2.84362	-4.61878	-6.84327	-9.39884	-11.5674	-12.7763	-13.8929	-15.9683	-18.2734	-18.9414	-19.6868	-20.4298	-21.6346	-23.8212	-25.3385	-25.9519	-26.9223	-24.5251	-20.3311	-21.1068	-25.0742	-25.4621	-25.2239	-25.8453
110	7.9000027	8.096838	7.575166	6.978521	6.655018	6.077776	4.982966	3.567118	1.92165	0.369542	-0.8671	-2.02167	-3.23545	-4.86822	-6.98672	-9.21048	-10.8177	-12.1263	-13.7819	-16.0497	-17.136	-16.684	-17.9818	-19.6804	-21.4346	-23.887	-23.1821	-27.12	-34.6517	-23.533	-23.9027	-20.5135	-25.8252	-26.3069	-25.9631	-25.1596
115	7.9000027	8.114084	7.590318	6.958479	6.608585	6.027255	4.904335	3.408828	1.650823	-0.03787	-1.33655	-2.34099	-3.1214	-4.22266	-6.19094	-7.93888	-9.43758	-10.9095	-13.287	-16.5965	-18.993	-17.9714	-18.8553	-21.3447	-25.2971	-25.3583	-22.0348	-24.9442	-34.4008	-23.2637	-18.6666	-20.1993	-24.5356	-25.2908	-26.5388	-24.9445
120	7.9000027	8.131053	7.61334	6.96456	6.574178	6.012701	4.904632	3.394264	1.611237	-0.17737	-1.60088	-2.59958	-3.33624	-4.32732	-5.90587	-7.95056	-9.59784	-10.9775	-12.9878	-16.3374	-22.4106	-21.4953	-21.5971	-25.3402	-25.9575	-21.0788	-22.1528	-25.6499	-24.6871	-19.5873	-20.4218	-22.3948	-23.2104	-26.7284	-24.164	
125	7.9000027	8.148002	7.644534	6.945492	6.554162	6.036159	4.986108	3.321152	1.798236	0.02835	-1.6732	-2.59958	-3.09434	-5.04715	-6.85404	-9.36755	-11.4678	-12.9947	-14.0123	-17.4539	-26.2821	-24.2165	-22.1611	-21.5594	-23.0305	-24.7786	-21.2189	-21.1111	-22.6563	-27.8633	-22.1067	-21.2861	-20.6236	-21.2462	-24.8481	-23.611
130	7.9000027	8.167551	7.684006	6.954686	6.547929	6.080339	5.125868	3.266352	2.117425	0.329776	-1.52149	-3.24998	-4.70543	-6.1817	-8.2308	-11.0234	-13.4583	-14.6234	-16.0215	-19.6164	-20.8064	-22.3273	-20.9059	-21.375	-23.2358	-22.7281	-23.7328	-21.9843	-21.7243	-20.9278	-22.8398	-19.4862	-19.5751	-25.841	-23.1424	
135	7.9000027																																			

Raw data – ANT1 (5.3GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	
0	7.7561894	7.744512	7.93423	7.708944	7.719095	6.846928	6.296874	5.084874	4.079924	3.731185	2.71985	1.070524	-0.00588	-1.70694	-5.18965	-7.72204	-8.84036	-13.237	-18.4251	-16.3583	-16.0012	-19.5519	-21.0424	-20.5893	-21.1901	-25.908	-29.7722	-23.288	-22.4758	-22.0273	-27.161	-29.1395	-25.5711	-31.3383	-22.1079	-22.7372	
5	7.7561894	7.772865	7.963575	7.749045	7.7210859	6.797535	6.21466	5.092115	4.142216	3.767536	2.861766	1.300666	0.011229	-1.60275	-4.70743	-7.66007	-8.92488	-13.1699	-17.2475	-15.6336	-15.683	-19.1261	-20.4162	-19.9424	-20.9922	-26.2565	-34.0295	-25.0463	-25.0368	-23.1637	-27.3879	-27.7456	-24.2798	-32.4999	-21.5775	-22.6438	
10	7.7561894	7.800162	7.988574	7.782482	7.723974	6.761598	6.175753	5.165764	4.265254	3.842051	2.881786	1.358237	-0.00852	-1.85319	-4.70861	-7.68087	-8.94763	-13.1781	-14.7008	-14.4768	-15.8831	-19.7487	-18.9252	-19.1094	-21.0668	-28.6404	-34.4205	-25.8351	-27.0978	-24.5501	-28.5348	-26.1191	-33.3631	-32.4818	-21.0918	-22.5562	
15	7.7561894	7.825699	8.007245	7.807102	7.727009	6.761598	6.188366	5.297396	4.429627	3.795541	2.76873	1.157477	-0.5041	-2.49641	-5.1625	-7.2655	-8.38366	-10.4494	-12.6515	-13.1198	-14.0486	-16.1782	-18.5244	-19.6251	-24.9683	-38.2898	-31.0941	-24.8613	-26.7248	-26.3529	-30.8101	-24.4493	-22.7982	-31.7906	-20.6669	-22.4955	
20	7.7561894	7.848896	8.017162	7.821357	7.730647	6.791636	6.234399	5.458995	4.610424	3.793119	2.618774	1.003538	-0.74544	-2.80877	-5.40697	-7.34459	-8.49355	-10.3542	-11.804	-12.4749	-14.0706	-18.1241	-20.688	-22.2502	-27.9643	-38.1097	-26.8466	-23.8693	-26.7247	-29.7138	-32.9175	-22.9484	-22.5818	-21.8026	-20.316	-22.4779	
25	7.7561894	7.869328	8.017292	7.824007	7.7346659	6.848381	6.321	5.614806	4.79019	3.844479	2.574153	1.024655	-0.63722	-2.64467	-5.00249	-6.69361	-7.99449	-10.0044	-11.6912	-13.1534	-16.8214	-23.328	-27.6401	-27.0005	-24.3371	-33.9284	-25.0554	-23.3352	-27.5002	-36.0387	-31.2824	-21.9127	-22.7339	-29.9444	-20.0487	-22.5148	
30	7.7561894	7.886738	8.007097	7.81403	7.7386091	6.91803	6.392979	5.729225	4.941631	3.959246	2.68388	1.290603	-0.39852	-2.61469	-5.29746	-7.15417	-8.60749	-11.067	-13.5903	-16.3852	-20.4644	-23.3444	-20.6184	-23.0379	-26.2688	-23.8154	-27.8764	-35.162	-28.537	-31.3188	-23.2803	-28.9083	-19.8722	-22.6139			
35	7.7561894	7.901041	7.98669	7.790734	7.7419307	6.984816	6.437729	5.775943	5.023317	4.059456	2.833257	1.512122	-0.04987	-2.55907	-6.14641	-9.15319	-11.3717	-15.3155	-21.0497	-24.2506	-20.7357	-17.9442	-19.0192	-19.1153	-19.0819	-23.0744	-28.1588	-25.2497	-27.7035	-30.8154	-26.8277	-21.1773	-24.2175	-27.8294	-19.7915	-22.7798	
40	7.7561894	7.912311	7.956801	7.753984	7.7439397	7.03594	6.444824	5.745062	5.009349	4.051884	2.826768	1.62941	0.36029	-1.70152	-4.79697	-7.88729	-10.1492	-12.7659	-15.4327	-18.3002	-13.798	-15.6099	-17.7289	-20.7725	-25.9055	-28.2421	-25.9808	-26.2401	-29.3071	-29.3135	-25.8945	-21.3621	-25.4474	-26.8045	-19.8103	-23.0148	
45	7.7561894	7.920773	7.91871	7.704456	7.7442588	7.064082	6.418152	5.659949	4.923578	3.975998	2.5945	1.352312	0.375584	-0.99869	-2.9447	-4.71707	-6.1125	-7.96306	-9.8279	-10.7117	-11.4973	-13.08	-15.4004	-14.4385	-23.7271	-26.8527	-25.5021	-24.1793	-26.3177	-28.6494	-25.2065	-21.6743	-26.6706	-25.9375	-19.9303	-23.3182	
50	7.7561894	7.928771	7.874155	7.637739	7.426329	7.064057	6.370894	5.560084	4.834991	3.838283	2.327657	0.820862	-0.18052	-1.19158	-2.40375	-3.41147	-4.71955	-6.79935	-8.5164	-9.96124	-12.5743	-16.0371	-18.2405	-18.8404	-18.9619	-20.1156	-24.5007	-26.9149	-24.5885	-21.9159	-27.7348	-24.885	-20.5254	-20.1508	-23.6865		
55	7.7561894	7.93075	7.823213	7.574545	7.300727	7.044239	6.313889	5.476965	4.798809	3.875672	2.239837	0.599403	-0.75112	-1.80264	-2.73382	-3.55142	-5.24839	-7.94729	-9.79015	-11.6535	-15.5748	-20.8807	-19.6166	-16.9409	-16.1652	-18.0077	-20.1588	-20.3608	-23.3379	-24.4556	-24.2239	-21.9659	-27.2388	-24.8957	-20.4671	-24.1122	
60	7.7561894	7.933217	7.774151	7.50012	7.338023	6.99628	6.245253	5.403189	4.788359	4.014256	2.649689	0.939247	-0.58492	-2.07987	-3.65416	-5.08728	-7.29732	-10.562	-12.4317	-12.9162	-14.1346	-16.158	-16.4115	-15.822	-16.5889	-19.5915	-21.0525	-19.9647	-20.294	-22.5176	-24.2581	-21.7835	-26.4995	-24.7059	-20.87	-24.5831	
65	7.7561894	7.934716	7.723255	7.424316	7.227254	6.92327	6.151694	5.295409	4.70004	4.046848	2.934186	1.553654	0.275965	-1.23814	-3.37251	-5.61982	-7.57148	-9.42487	-10.5963	-10.7055	-11.4592	-13.3546	-14.9393	-16.3715	-19.1775	-23.9235	-22.4766	-19.5353	-18.7975	-21.5833	-24.4642	-21.3964	-25.5566	-24.6492	-21.3463	-25.0806	
70	7.7561894	7.935797	7.674664	7.350926	7.198878	6.826265	6.022548	5.117005	4.465341	3.769983	2.742933	1.533726	-0.741466	-2.78756	-2.68837	-4.78745	-6.39304	-7.57548	-8.69004	-9.64445	-11.3354	-13.98	-14.2066	-18.2763	-21.7815	-25.9661	-22.1706	-19.0222	-18.3112	-21.8146	-24.3664	-20.92	-24.6195	-24.6272	-21.8812	-25.5784	
75	7.7561894	7.936986	7.630231	7.28323	7.124072	7.719259	5.864019	4.879208	4.045032	3.180672	1.984938	0.560939	-0.27467	-2.14073	-3.00322	-4.08432	-7.77273	-10.7259	-11.2608	-11.2658	-11.6124	-19.2026	-27.6105	-19.2101	-19.8881	-21.798	-24.3863	-22.0503	-19.4661	-19.2061	-23.1953	-23.6889	-20.516	-23.7588	-24.569	-22.4634	-26.0422
80	7.7561894	7.938763	7.591419	7.223553	7.053559	6.670962	5.698978	4.639594	3.63007	2.514168	1.065839	-0.69838	-2.53769	-4.40022	-6.39164	-8.60584	-10.8641	-12.8409	-14.2353	-15.8278	-18.4923	-19.8136	-19.4976	-19.0074	-19.7871	-22.7034	-23.0856	-21.0882	-21.3998	-24.729	-22.6738	-20.2986	-23.0006	-24.4836	-23.0008	-26.4311	
85	7.7561894	7.941546	7.559263	7.173012	6.991261	6.508025	5.550449	4.450488	3.325469	2.034491	0.503997	-1.21709	-3.06604	-4.98687	-6.79748	-8.67708	-10.7081	-12.6049	-14.1704	-15.8767	-18.1939	-19.9957	-19.9057	-19.028	-19.8254	-23.3782	-23.5307	-21.6806	-22.9152	-24.1265	-21.698	-20.29	-22.4715	-24.4551	-23.773	-26.7028	
90	7.7561894	7.945607	7.534391	7.131549	6.983524	6.415318	5.423749	4.310076	3.137773	1.797909	0.388731	-0.95419	-2.25018	-3.73499	-4.52806	-6.86558	-8.40838	-9.91936	-11.2015	-13.0105	-15.9428	-18.9045	-20.2336	-21.1777	-24.5044	-27.7636	-22.3254	-20.502	-22.18	-22.4253	-20.9536	-20.4448	-22.1798	-24.5722	-24.5264	-26.8225	
95	7.7561894	7.951795	7.51701	7.08235	6.894476	6.337518	5.305235	4.169128	2.97911	1.58928	0.28084	-0.57228	-1.58928	-2.80894	-3.53499	-4.72304	-6.07340	-7.52933	-9.0324	-10.3543	-12.3625	-14.3809	-14.1089	-14.9496	-21.4001	-26.4777	-28.117	-22.5993	-20.73	-22.071	-21.5145	-20.447	-20.699	-22.1551	-24.824	-25.3567	-26.772
100	7.7561894	7.958863	7.50746	7.071756	6.857387	6.268577	5.178527	3.977724	2.75546	1.550527	0.453135	-0.60407	-1.75401	-3.20578	-5.0653	-7.29681	-9.3122	-10.5397	-11.6834	-13.9215	-17.2539	-19.9182	-19.9056	-19.6279	-21.612	-25.5576	-25.9723	-23.4762	-23.9799	-21.5179	-20.1088	-20.9888	-22.2514	-24.9862	-26.2263	-26.5542	
105	7.7561894	7.963071	7.505421	7.058093	6.826161	6.209409	5.043164	3.724404	2.420682	1.597411	0.169645	-0.107251	-2.56837	-4.36082	-6.57609	-9.02544	-10.9817	-10.8317	-10.8317	-10.8317	-10.8317	-10.8317	-10.8317	-10.8317	-10.8317	-10.8317	-10.8317	-10.8317	-10.8317	-10.8317	-10.8317	-10.8317	-10.8317	-10.8317	-10.8317	-10.8317	
110	7.7561894	7.979213	7.510002	7.048336	6.801011	6.167325	4.922215	3.45112	2.006366	0.806581	-0.3164	-1.62284	-3.02961	-4.92988	-7.08444	-9.22259	-10.7921	-12.0703	-13.631	-15.8687	-19.1722	-16.5623	-17.9993	-19.6458	-21.3311	-21.6392	-20.7791	-23.2727	-21.2905	-23.0967	-20.2141	-21.3451	-21.3381	-23.526	-27.4912	-25.7134	
115	7.7561894	7.992792	7.523837	7.023284	6.782928	6.153295	4.854473	3.242838	1.631519	0.31627	-0.82442	-1.97523	-3.09256	-4.32337	-6.12639	-8.57025	-10.3673	-11.2069	-13.1169	-16.6408	-19.9772	-18.782	-19.3733	-20.3154	-23.1242	-22.4181	-19.3995	-21.1221	-22.7632	-25.1555	-21.2191	-20.0868	-21.9945	-27.4583	-25.7165		
120	7.7561894	8.000663	7.54419	7.016356	6.77231	6.175483	4.874264	3.185711	1.452119	-0.0184	-1.21123	-2.20708	-3.03575	-4.20081	-5.98694	-8.12669	-9.68118	-10.9777	-12.2661	-15.3302	-20.2928	-24.3639	-21.8418	-20.4379	-23.2945	-23.9085	-19.2156	-20.0467	-25.2584	-28.7912	-23.9311	-21.2185	-18.8074	-20.4922	-26.925	-24.5484	
125	7.7561894	8.012305	7.571924	7.01447	6.767679	6.23297	4.990323	3.310502	1.549795	-0.05652	-1.41481	-2.50315	-3.37545	-4.56947	-6.40744	-8.11882	-11.0325	-11.0325	-11.0325	-11.0325	-11.0325	-11.0325	-11.0325	-11.0325	-11.0325	-11.0325	-11.0325	-11.0325	-11.0325	-11.0325	-11.0325	-11.0325	-11.0325	-11.0325	-11.0325		
130	7.7561894	8.037244	7.606944	7.018284	6.765739	6.313977	5.178962	3.572079	1.867249	0.206703	-1.37105	-2.78888	-3.99911	-5.35726	-7.36379	-9.4087	-12.4213	-13.3945	-14.7025	-17.9021	-25.4568	-27.6803	-22.3514	-20.9657	-22.4												

Raw data – ANT1 (5.35GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
0	7.6662133	7.66931	8.031969	7.830055	7.325256	7.026421	6.46222	5.19066	4.194656	3.864878	2.758902	0.849812	-0.36271	-2.09241	-5.6924	-7.47878	-8.28354	-12.9697	-17.2158	-15.784	-16.8044	-20.6878	-20.5325	-19.727	-21.8753	-27.7793	-28.3725	-20.4313	-20.5582	-22.6978	-25.3161	-29.1802	-23.8103	-30.3835	-24.3761	-22.9363
5	7.6662133	7.749993	8.052942	7.86149	7.352768	6.983713	6.398489	5.236849	4.306154	3.912598	2.826546	1.014556	-0.38031	-2.08641	-5.40068	-7.97297	-9.2334	-13.3343	-16.7297	-15.2512	-16.5423	-20.5731	-20.0335	-19.0569	-20.611	-25.692	-21.1821	-22.667	-24.1916	-25.0042	-27.7724	-22.0883	-31.9535	-23.8242	-22.7745	
10	7.6662133	7.818309	8.068088	7.882739	7.374478	6.958089	6.388795	5.365012	4.49211	4.063512	2.873249	1.060198	-0.56648	-2.35129	-5.18132	-7.35798	-8.62418	-11.1	-15.5577	-14.7961	-15.9897	-18.2107	-17.4281	-18.022	-20.1771	-26.0862	-21.1931	-21.108	-24.0931	-25.8277	-25.9647	-25.9784	-20.8199	-32.8706	-23.1206	-22.5532
15	7.6662133	7.839288	8.075382	7.892606	7.393537	6.971146	6.412363	5.554729	4.723301	4.063014	2.862273	1.014404	-0.58809	-2.49221	-5.77747	-7.72245	-8.65431	-10.9971	-15.4154	-13.5756	-14.4601	-17.4589	-18.5898	-18.2627	-20.6239	-21.6304	-28.2985	-20.2361	-23.3578	-27.3969	-28.901	-23.9468	-19.9548	-33.3914	-22.3288	-22.3048
20	7.6662133	7.857476	8.073458	7.890641	7.412161	6.97996	6.507472	5.766699	4.964306	4.14693	2.85654	1.05755	-0.84318	-3.07194	-5.92265	-7.77863	-8.73247	-10.6211	-11.9439	-12.4038	-14.1031	-16.8107	-18.8469	-20.6804	-27.7053	-28.4583	-25.3286	-19.7929	-22.9269	-29.9726	-35.5254	-22.0375	-19.4817	-33.9089	-21.5171	-22.0559
25	7.6662133	7.872577	8.061609	7.87681	7.431066	7.01815	6.589549	5.958132	5.191239	4.269533	2.939992	1.256807	-0.50152	-2.58828	-5.07329	-6.72466	-7.85207	-9.65778	-10.9551	-12.2603	-14.0101	-16.278	-22.5853	-23.856	-25.0716	-23.6013	-23.7585	-19.8158	-23.2702	-32.7591	-35.0962	-20.5381	-19.4116	-32.9029	-22.0422	-21.8721
30	7.6662133	7.884463	8.039751	7.851345	7.44814	7.059752	6.640155	6.004048	5.375423	4.431013	3.132746	1.571813	-0.16266	-2.39437	-4.95616	-6.57074	-7.81184	-9.87021	-11.6984	-13.9925	-19.6653	-26.1573	-24.3777	-22.1925	-20.9034	-22.6436	-24.1671	-20.1486	-23.5747	-30.309	-28.4952	-19.5663	-19.7597	-30.9192	-20.0462	-21.6339
35	7.6662133	7.893172	8.008381	7.81474	7.460523	7.094071	6.699108	6.133573	5.477226	4.556688	3.331838	1.928496	-0.16024	-2.44187	-4.60186	-6.51803	-8.1095	-11.2435	-16.7453	-19.4673	-22.0354	-20.2733	-19.3873	-18.843	-19.1635	-22.8469	-24.3577	-20.7095	-23.7004	-27.4812	-32.3293	-19.1175	-20.5264	-28.3881	-19.4592	-21.4686
40	7.6662133	7.898899	7.968516	7.767833	7.466337	7.115525	6.635244	6.072727	5.44702	4.550576	3.354261	2.115102	0.722129	-1.54314	-4.9281	-8.30805	-10.8992	-14.5609	-18.6172	-17.33	-15.0055	-14.8275	-15.8744	-17.0766	-20.142	-25.0336	-23.7238	-21.1814	-23.7426	-26.2548	-23.7303	-19.1228	-21.6716	-26.0671	-19.003	-21.3924
45	7.6662133	7.901982	7.921631	7.711897	7.461865	7.124716	6.571165	5.943553	5.309219	4.639201	3.121724	1.908387	0.8625	-0.65243	-2.82821	-4.90514	-6.58389	-8.78487	-10.928	-16.31	-13.1406	-14.9319	-17.2114	-22.4623	-26.4238	-22.9096	-20.8908	-23.1766	-25.5865	-22.8721	-19.4997	-23.0734	-24.223	-28.6938	-21.3538	
50	7.6662133	7.902871	7.869574	7.648685	7.448509	7.128587	6.502022	5.792584	5.134666	4.187689	2.782472	1.416201	0.479393	-0.58919	-1.9659	-3.21581	-4.68086	-6.86003	-8.61054	-9.68688	-11.8031	-15.0846	-16.9091	-18.0639	-19.0519	-20.1999	-20.7972	-19.8369	-22.1257	-24.5216	-22.4445	-20.1913	-24.4831	-22.8898	-18.544	-21.7309
55	7.6662133	7.903107	7.814746	7.58041	7.425292	7.121559	6.452809	5.685732	5.02556	4.098987	2.628144	1.049896	-0.73813	-1.04285	-2.04468	-3.02343	-4.70491	-7.21412	-9.58205	-10.3678	-13.8547	-16.9161	-18.708	-17.0042	-15.982	-17.5346	-19.4343	-19.2042	-21.3138	-23.1236	-22.443	-21.162	-25.5463	-22.0371	-18.5025	-21.4705
60	7.6662133	7.900288	7.758636	7.50968	7.393902	7.108444	6.423555	5.694147	5.012386	4.19288	2.849576	1.333324	-0.14344	-1.53127	-3.05233	-4.40479	-6.5642	-9.46531	-11.648	-11.8286	-13.59	-16.1511	-16.6937	-15.8029	-19.4119	-20.6738	-21.8655	-22.8829	-22.2895	-25.9852	-21.6192	-18.7552	-21.5554			
65	7.6662133	7.890808	7.704398	7.494905	7.386879	7.07744	6.386819	5.597095	4.992426	4.285847	3.161679	1.822205	0.654325	0.496439	-0.306399	-2.54852	-4.72177	-7.26884	-10.7311	-11.0921	-11.7631	-13.5376	-14.9144	-15.2551	-16.5288	-20.3313	-20.8246	-19.5767	-19.8504	-21.0764	-23.56	-23.2048	-25.7866	-21.5822	-19.124	-21.7048
70	7.6662133	7.899795	7.654016	7.372662	7.296528	7.019265	6.305114	5.475818	4.815635	4.102174	3.041821	1.799702	0.653752	0.72194	-2.64419	-4.66842	-6.26097	-9.19273	-10.2646	-11.3968	-12.4809	-13.7622	-14.2417	-11.1157	-19.3241	-19.3622	-20.0616	-24.0607	-23.4441	-25.1348	-21.857	-19.6655	-21.8735			
75	7.6662133	7.894682	7.609526	7.312486	7.228587	6.931308	6.158782	5.234542	4.421199	3.548129	2.31271	0.718167	-0.16166	-2.29696	-4.21884	-6.26466	-7.98091	-9.53411	-10.9	-12.9247	-14.9325	-17.234	-16.6598	-19.1999	-20.9233	-24.3366	-21.8794	-19.6987	-19.9994	-21.9888	-24.1146	-23.0309	-24.2471	-22.2348	-20.368	-22.0243
80	7.6662133	7.894678	7.572636	7.261583	7.179782	6.820897	5.985765	4.901396	3.877696	2.77237	1.311896	-0.5648	-2.57445	-4.51149	-6.5648	-8.1061	-9.2248	-11.4815	-16.0243	-18.7614	-20.3789	-20.6193	-20.9921	-20.6795	-22.9032	-22.7691	-20.7631	-21.4896	-23.3911	-23.7473	-23.7318	-23.3119	-22.9277	-21.2053	-23.1893	
85	7.6662133	7.896402	7.544643	7.222011	7.1259	6.702986	5.738617	4.550196	3.327809	2.024733	0.516013	-1.24877	-3.10442	-4.8382	-6.37686	-8.08985	-10.0587	-11.9648	-13.6119	-15.1492	-18.1698	-20.4729	-21.1076	-20.0416	-19.913	-21.9646	-22.231	-20.5897	-21.9091	-23.7338	-22.9473	-21.6711	-22.4887	-23.4497	-22.1247	-22.2912
90	7.6662133	7.900186	7.526391	7.194917	7.080015	6.59207	5.532926	4.24993	2.907351	1.535509	0.212488	-1.03357	-2.22066	-3.44456	-4.77894	-6.27621	-7.72305	-10.0574	-10.3822	-12.1943	-14.6403	-16.9596	-18.7305	-20.2892	-23.4992	-25.078	-21.5558	-19.5223	-21.0086	-22.8735	-21.6948	-20.9434	-21.9129	-23.7765	-23.0298	-22.3279
95	7.6662133	7.900625	7.518277	7.180444	7.051275	6.490252	5.357858	4.005002	2.669243	1.412522	0.377074	-0.48885	-1.35178	-2.45863	-3.90237	-5.74249	-7.2712	-8.34597	-9.57464	-11.4002	-13.5388	-15.9608	-19.3691	-20.9784	-24.5313	-28.9937	-22.8601	-20.0141	-21.3071	-22.285	-20.2719	-20.2972	-21.6821	-23.739	-23.7668	-22.2857
100	7.6662133	7.901294	7.520296	7.177831	7.034688	6.428035	5.208506	3.826785	2.548092	1.506153	0.63235	-0.31631	-1.4274	-2.87764	-4.79379	-6.8661	-9.6325	-10.7792	-12.7702	-14.5913	-16.963	-19.685	-17.5892	-17.8381	-20.494	-26.2441	-27.3531	-22.8494	-23.9479	-22.3052	-19.1291	-19.986	-21.8083	-23.3804	-24.1537	-22.1601
105	7.6662133	7.9255	7.532111	7.185672	7.031796	6.379422	5.074136	3.616083	2.379736	1.512295	0.609317	-0.658	-2.24099	-4.13748	-6.38228	-8.82887	-10.5846	-11.3952	-12.2532	-13.9506	-15.8877	-16.9386	-18.0859	-18.3405	-19.9056	-23.0408	-24.6636	-24.6919	-28.5571	-22.6516	-18.6246	-20.2723	-22.1152	-22.51	-24.0819	-21.9565
110	7.6662133	7.96998	7.619779	7.253698	7.092112	6.410734	4.88878	2.985527	1.310683	0.149995	-1.04241	-2.32482	-3.33745	-4.9964	-6.653	-7.0023	-8.2378	-10.0696	-11.3182	-12.6019	-15.1642	-22.3261	-21.0022	-21.7823	-19.7269	-19.5049	-22.7126	-21.5439	-22.9845	-25.9307	-20.2896	-18.7398	-22.1691	-22.1022	-21.3705	
115	7.6662133	7.987581	7.663638	7.285737	7.126798	6.494177	4.996579	3.028733	1.170777	0.28058	-1.59608	-2.74094	-3.52737	-4.69934	-6.78815	-8.48222	-11.2179	-11.4888	-12.2876	-14.7479	-20.2522	-23.3333	-23.6894	-19.6491	-20.5458	-23.2416	-21.1258	-19.3272	-21.5003	-24.7661	-26.0086	-28.5273	-19.1747	-17.7652	-21.5078	-20.6579
120	7.6662133	8.003695	7.713279	7.31957	7.160753	6.604961	5.272105	3.126823	0.427476	-1.75083	-2.97267	-3.85085	-5.0151	-6.89074	-9.38151	-11.5854	-12.4205	-13.2939	-15.267	-20.4276	-23.0891	-25.1675	-20.7536	-22.6848	-27.9126	-23.7909	-20.2456	-22.0209	-28.8484	-26.5824	-30.5432	-18.4912	-17.1063	-20.9928	-20.2889	
125	7.6662133	8.023607	7.767706	7.354678	7.187314	6.723933	5.463987	3.648321	1.815708	0.157332	-1.42501	-2.90419	-4.10077	-5.67125	-7.62102	-9.99562	-12.3784	-13.6404	-14.3538	-15.9008	-20.88	-28.9631	-23.5302	-21.2034	-22.5436	-27.9345	-25.3	-22.0316	-25.0231	-25.4738	-24.3621	-32.9117	-18.3757	-16.7781	-20.6533	-19.923
130	7.6662133	8.040809	7.825839	7.391001	7.200598	6.828401	5.734997	4.056939	2.324178	0.49046	-0.84372	-2.57857	-4.36356	-6.32857	-8.70105	-10.9723	-13.4425	-14.6601	-14.8029	-15.7925	-20.467	-26.7705	-22.5162	-20.4641	-21.7241	-23.1850	-23.2151	-21.8797	-27.6307	-22.9264	-21.9627	-34.0129	-18.8555	-16.7777		

Raw data – ANT1 (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	7.5993174	7.690301	7.848862	7.514485	6.984877	6.624462	6.00837	4.837031	4.17948	3.811267	2.14827	-0.20978	-1.55481	-2.53443	-5.33052	-5.7298	-6.38517	-10.4772	-12.9169	-12.5563	-15.9648	-24.2298	-21.3382	-18.4858	-20.2454	-28.0206	-28.8544	-22.6393	-19.9784	-22.3375	-24.2116	-26.1479	-22.4897	-25.1008	-26.3487	-28.6988	
5	7.5993174	7.715427	7.874398	7.548775	6.976287	6.608484	6.064273	5.107223	4.457537	3.869583	2.142729	-0.15864	-1.22791	-2.77792	-5.86973	-7.06316	-7.84988	-11.6006	-13.9466	-13.2177	-16.5155	-25.6874	-21.7362	-18.2114	-19.9059	-25.2701	-29.8186	-23.549	-21.4756	-25.0004	-24.8253	-24.9449	-20.8299	-25.8144	-26.107	-27.1912	
10	7.5993174	7.739535	7.897397	7.579188	7.007118	6.621465	6.118693	5.401868	4.73021	3.943649	2.202895	0.021816	-1.264631	-2.50249	-5.75241	-7.21427	-8.50303	-14.2163	-16.6023	-17.7427	-19.9003	-27.2768	-18.861	-24.664	-26.9509	-22.1445	-21.6741	-27.6988	-26.1726	-23.2651	-19.598	-26.7255	-25.0327	-25.7587	-27.9471		
15	7.5993174	7.762016	7.916167	7.605605	7.045718	6.665681	6.306443	5.68549	4.974967	4.038496	2.355525	0.30351	-1.40906	-2.78632	-5.58196	-7.23463	-8.33758	-11.4296	-14.5907	-14.4217	-16.5081	-19.4045	-18.5302	-17.1118	-19.9755	-28.6584	-28.4965	-20.3222	-20.8089	-29.0841	-28.0045	-21.4433	-18.7859	-27.8761	-23.5102	-24.4559	
20	7.5993174	7.782374	7.929585	7.628301	7.094259	6.734728	6.447352	5.926469	5.169564	4.119764	2.560407	0.81615	-1.0072	-2.51297	-5.26947	-7.0559	-8.18087	-10.6211	-12.7941	-13.3931	-15.4122	-18.2436	-18.4526	-17.9434	-23.0048	-23.6761	-27.2258	-19.5306	-20.524	-29.9534	-28.9067	-19.9072	-18.4107	-28.9566	-21.936	-23.3406	
25	7.5993174	7.800245	7.937004	7.647695	7.152104	6.816625	6.565393	6.095851	5.307216	4.180528	2.721699	1.215145	-1.1777	-2.05872	-4.57706	-6.48049	-7.9125	-10.6003	-11.5763	-12.404	-15.0227	-18.846	-19.0949	-19.1856	-26.0546	-28.5844	-26.3067	-19.6876	-21.3268	-32.0926	-27.9813	-18.8717	-18.4921	-28.9542	-20.5143	-22.397	
30	7.5993174	7.8154	7.938379	7.664267	7.21697	6.898969	6.638889	6.1846	5.394029	2.335539	2.79751	1.351962	-1.4044	-2.23241	-4.69478	-6.25557	-7.5611	-9.87601	-11.6929	-12.8538	-16.2526	-20.9618	-20.2928	-20.4434	-24.243	-24.9507	-25.8067	-20.2928	-23.0841	-36.118	-26.5617	-18.3654	-19.0323	-27.2853	-19.3195	-21.6107	
35	7.5993174	7.827747	7.93382	7.678577	7.28644	6.972414	6.666603	6.180939	5.42861	4.305112	2.850508	1.330195	-0.36135	-2.92034	-6.13142	-7.8465	-8.77167	-11.4346	-14.3434	-16.1744	-20.512	-24.3365	-21.6674	-20.5414	-20.8458	-22.1915	-23.4964	-20.8383	-25.5403	-38.2059	-25.4256	-18.312	-19.9915	-24.9805	-18.3712	-20.9664	
40	7.5993174	7.837317	7.923876	7.691251	7.358997	7.036546	6.621699	6.082295	5.389044	4.374752	2.934099	1.312468	-0.36147	-2.72092	-6.14335	-9.30553	-11.2802	-14.8156	-19.5614	-21.003	-24.9714	-20.9328	-19.2584	-18.9083	-19.6768	-21.3845	-21.7751	-21.4549	-28.1252	-34.4317	-24.5287	-18.5861	-21.2569	-22.9461	-17.6711	-20.4492	
45	7.5993174	7.844258	7.909267	7.702858	7.434001	7.097143	6.55713	5.908723	5.254938	4.382885	3.032507	1.384319	-0.26969	-2.43597	-7.15154	-9.49508	-12.3214	-14.7281	-19.4714	-24.3615	-15.129	-16.4823	-17.7089	-20.3886	-22.3098	-21.4169	-22.013	-27.9439	-30.9149	-23.7845	-19.0781	-22.6337	-21.444	-17.2165	-20.0447		
50	7.5993174	7.848813	7.900833	7.713668	7.51057	7.163114	6.501925	5.719121	5.051949	4.296598	3.097879	1.40259	-0.20969	-2.12034	-6.09856	-8.96523	-10.658	-11.987	-14.9817	-24.3951	-14.3538	-15.7361	-17.2706	-20.3188	-21.9455	-20.9531	-21.4462	-25.04	-28.2955	-23.2807	-19.7624	-23.924	-20.4981	-17.0042	-19.7387		
55	7.5993174	7.851305	7.869451	7.723398	7.585988	7.238386	6.492472	5.599057	4.872257	4.155981	3.089965	1.699416	0.294898	-1.07849	-2.46288	-3.74703	-5.37386	-7.5839	-9.07508	-9.91399	-12.0355	-15.1322	-16.0826	-16.8084	-18.7778	-20.6425	-20.3644	-20.4233	-22.8429	-26.2688	-23.1428	-20.6913	-25.0322	-20.0796	-17.0316	-19.5167	
60	7.5993174	7.852117	7.845973	7.731078	7.654765	7.315078	6.533639	5.599777	4.819391	4.058497	3.031568	1.788072	0.367829	-1.26039	-3.1196	-4.72042	-6.37936	-8.55576	-9.91633	-10.4664	-12.4154	-15.5786	-16.3348	-16.2413	-17.5169	-20.1184	-20.4767	-19.9685	-21.6066	-24.7422	-23.417	-21.8607	-25.8047	-20.1451	-17.2944	-19.3628	
65	7.5993174	7.851673	7.821191	7.735108	7.709222	7.373301	6.585804	5.67464	4.888411	4.047976	2.949241	1.734814	0.471832	-1.21915	-3.55108	-5.85794	-7.82179	-10.1008	-11.8794	-12.982	-13.2296	-15.4333	-16.2234	-15.8993	-16.9966	-20.2357	-21.0084	-19.7058	-20.7993	-23.9335	-24.0933	-22.9753	-25.7084	-20.6245	-17.7839	-19.2603	
70	7.5993174	7.85042	7.79583	7.733922	7.741628	7.389072	6.580774	5.697517	4.934409	4.028573	2.768072	1.429863	0.221714	-1.28015	-3.3929	-5.89397	-7.43547	-9.54026	-11.7347	-12.8153	-14.036	-16.2168	-17.1005	-16.8886	-18.9067	-20.4457	-20.9531	-20.8855	-20.5249	-24.3031	-25.1978	-23.4045	-24.4027	-21.3757	-18.4799	-19.1912	
75	7.5993174	7.848812	7.770571	7.725893	7.746898	7.345819	6.467632	5.550047	4.7846	3.848229	2.444305	0.847996	-0.55359	-1.92899	-3.66883	-5.48447	-7.18364	-9.07197	-10.9314	-12.4597	-14.8056	-17.8755	-19.0653	-19.5417	-22.1612	-27.2317	-23.6371	-19.8321	-21.286	-26.4604	-26.8116	-22.9201	-22.5281	-22.1282	-19.3402	-19.1736	
80	7.5993174	7.847293	7.746094	7.710374	7.724525	7.24285	6.234819	5.193539	4.361726	3.224964	2.022181	0.366713	-1.0727	-2.30799	-3.73354	-5.34074	-7.13747	-9.06336	-10.4456	-12.0685	-15.134	-18.0851	-18.7419	-18.6411	-21.2244	-24.7295	-24.9217	-21.6386	-24.2373	-33.2002	-29.1078	-21.3395	-19.6129	-22.412	-21.1736	-19.014	
85	7.5993174	7.846281	7.72312	7.686735	7.678827	7.096452	5.921363	4.498497	3.741672	2.809884	1.549928	0.117091	-1.18862	-2.41341	-3.92852	-5.63365	-7.41746	-9.04366	-10.3115	-11.7204	-14.5136	-18.0431	-18.7419	-18.6411	-21.2244	-24.7295	-24.9217	-21.6386	-24.2373	-33.2002	-29.1078	-21.3395	-19.6129	-22.412	-21.1736	-19.014	
90	7.5993174	7.846157	7.702442	7.689013	7.617495	6.933764	5.599157	4.204541	3.15169	2.246853	1.161227	0.004581	-1.12755	-2.55191	-4.46441	-6.35366	-7.73359	-9.08677	-10.4607	-11.6357	-13.9322	-15.7285	-16.7331	-17.2271	-21.2876	-27.9789	-25.3136	-21.7693	-24.4665	-20.0848	-26.8572	-20.8686	-18.9487	-21.992	-21.839	-18.9214	
95	7.5993174	7.847246	7.684945	7.626176	7.594927	6.780088	5.335802	3.872107	2.845127	2.028214	1.042735	-0.0295	-1.14947	-2.75756	-5.02557	-6.04678	-8.15335	-9.23864	-10.8783	-12.2107	-14.8429	-16.6837	-18.7177	-18.8837	-23.8032	-24.9613	-25.1078	-26.7987	-24.3345	-20.6066	-18.8422	-21.5938	-26.2627	-22.1457	-18.92	-18.902	
100	7.5993174	7.848081	7.671591	7.591842	7.481928	6.658083	5.158625	3.735301	2.866168	2.184004	1.16916	-0.0994	-1.48038	-3.25775	-5.64481	-6.76396	-8.80994	-9.36754	-11.0586	-12.7388	-14.0933	-15.4601	-16.2429	-15.8216	-17.3281	-21.4895	-23.5423	-21.9167	-25.3191	-26.0322	-22.7214	-20.757	-19.2894	-21.412	-22.0885	-18.6576	
105	7.5993174	7.854033	7.65387	7.558487	7.421427	6.509126	5.050403	3.702571	3.006182	2.445132	1.281873	-0.2244	-1.37915	-2.7905	-4.80892	-6.8691	-8.13725	-9.9396	-10.4467	-16.1173	-17.6197	-17.6077	-18.5465	-21.4553	-21.3334	-20.2576	-23.7951	-25.9993	-22.1129	-21.8892	-20.271	-21.489	-21.7814	-18.4945	-18.9595		
110	7.5993174	7.860002	7.661323	7.52862	7.372044	6.50063	4.979273	3.651306	3.00063	2.451203	1.150241	-0.72978	-2.5587	-4.19085	-6.09934	-8.21133	-9.66932	-10.4205	-13.9945	-16.3022	-18.0051	-19.816	-19.8797	-19.8882	-21.0446	-20.0795	-19.3443	-22.4329	-26.0113	-22.2672	-21.9067	-21.6947	-21.743	-21.3637	-18.3211	-18.779	
115	7.5993174	7.867705	7.666307	7.50449	7.336813	6.47457	4.932297	3.522932	2.790335	2.133598	0.709669	-1.25699	-2.60125	-4.61578	-6.67983	-9.14546	-10.8242	-11.7949	-12.9676	-14.8948	-16.2394	-17.7045	-21.391	-21.5291	-20.0481	-20.5585	-20.2191	-19.8276	-22.099	-25.5377	-22.8086	-22.7341	-23.2674	-22.0131	-20.9346	-18.1467	-18.7798
120	7.5993174	7.877017	7.679007	7.487937	7.317147	6.488025	4.926742	3.35148	2.355759	1.508588	0.10198	-1.85159	-3.39213	-4.9743	-7.13483	-9.67695	-11.4336	-11.9589	-12.66	-14.382	-17.9353	-22.6421	-25.0936	-22.4797	-20.6505	-20.8186	-21.4643	-21.2587	-22.7035	-25.1828	-23.5766	-23.5836	-24.4438	-22.1255	-20.5457	-17.9779	-18.7798
125	7.5993174	7.880974	7.700122	7.480291	7.313624	6.545104	4.959514	3.238358	1.878409	0.75985	-0.73738	-2.3698	-3.55279	-4.77547	-6.3734	-8.32191	-9.6692	-10.4494	-12.3831	-13.6906	-16.3844	-20.1206	-23.2372	-22.6458	-23.2186	-23.6997	-23.369	-24.5146	-26.1671	-25.0243	-24.745	-24.9038	-22.0092	-22.6028	-21.7337	-18.7798	
130	7.5993174	7.893974	7.729601	7.482381	7.322502	6.642632	5.161508	3.28734	1.588166	0.179582	-1.27939	-2.63172	-3.50794	-4.39002	-5.56112	-7.21288	-9.35198	-11.1236	-12.1736	-13.1979	-15.4691	-19.4381	-23.1451	-24.2751	-25												

Raw data – ANT1 (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	7.511902	7.402028	7.20618	6.718879	6.383584	6.38599	5.780905	4.415908	3.953912	3.928169	2.114908	-0.82643	-1.79693	-2.94368	-5.03524	-4.49445	-4.9807	-8.52815	-10.0436	-10.1915	-14.2557	-19.9731	-17.7037	-16.9389	-21.2374	-31.0153	-26.4788	-19.0549	-18.4195	-22.4377	-27.7586	-28.158	-24.9038	-21.6552	-20.9607	-21.7569
5	7.511902	7.430209	7.240761	6.801954	6.562623	6.435227	5.804259	4.570113	4.125947	3.892122	1.982496	-1.14804	-2.285738	-3.4846	-5.47134	-5.33619	-5.85226	-9.00237	-10.6882	-11.1059	-15.8167	-23.2101	-17.7905	-15.5623	-18.9527	-26.8215	-25.4901	-18.4033	-19.0147	-25.5225	-27.5425	-29.1962	-23.1689	-21.4708	-20.5328	-21.9065
10	7.511902	7.459616	7.278803	6.881719	6.620511	6.495515	5.848008	4.743596	4.312554	3.947167	2.050719	-1.24623	-2.50749	-3.7051	-5.69051	-5.23919	-5.03524	-8.10353	-10.5103	-11.2194	-16.7861	-25.2945	-17.7967	-15.9688	-18.5455	-25.4993	-25.1285	-18.1877	-19.9218	-28.0014	-26.1479	-26.9899	-21.6708	-21.2927	-19.9299	-20.9827
15	7.511902	7.489432	7.316708	6.956433	6.729475	6.574511	5.929243	4.940291	4.542882	4.142622	2.358089	-0.42643	-1.7555	-3.18159	-5.05678	-6.90076	-7.46123	-10.3911	-13.7745	-13.6176	-17.6927	-21.1077	-19.8465	-16.4819	-19.2769	-25.2272	-25.9648	-18.5154	-20.975	-28.7312	-25.3968	-23.6696	-20.5644	-21.0896	-19.1879	-20.4122
20	7.511902	7.519296	7.360584	7.026155	6.836947	6.675026	6.043596	5.134036	4.755159	4.363808	2.700189	0.054373	-1.2501	-2.65382	-4.54457	-6.72652	-7.61473	-10.3911	-13.7745	-14.1107	-17.5771	-19.8081	-16.4819	-19.2769	-25.1646	-25.8463	-18.8973	-21.4926	-27.0859	-24.4788	-21.1278	-19.9498	-20.7932	-18.4102	-19.8904	
25	7.511902	7.548807	7.390557	7.092139	6.944065	6.794108	6.17908	5.298029	4.875699	4.466406	2.91229	0.317311	-1.71393	-3.58935	-5.61552	-7.24258	-7.23993	-9.34095	-11.9129	-13.2954	-16.7322	-18.2671	-16.601	-16.1455	-20.674	-25.5015	-24.3857	-18.9939	-21.4219	-25.372	-23.3909	-19.6183	-20.6999	-20.3103	-17.663	-19.399
30	7.511902	7.577632	7.42612	7.156153	7.053043	6.923595	6.321181	5.429101	4.900444	4.410059	2.922647	0.392612	-2.00215	-3.98969	-5.65634	-5.97907	-6.52882	-9.09132	-11.0212	-11.9144	-14.4845	-16.8852	-17.6617	-16.3498	-19.3722	-23.1611	-22.6223	-19.2568	-21.982	-25.3614	-22.7816	-19.0845	-20.8158	-19.5997	-17.0051	-18.957
35	7.511902	7.605504	7.460511	7.219809	7.16232	7.051597	6.453114	5.53889	4.897902	4.288763	2.815104	0.424581	-2.05658	-4.56091	-6.36236	-6.00059	-6.78504	-10.0585	-11.8863	-12.6823	-14.8198	-16.5809	-16.6969	-17.5445	-18.5047	-21.1594	-21.1742	-19.9941	-23.9766	-27.6015	-22.8777	-19.4305	-22.1442	-18.7251	-16.4818	-18.5755
40	7.511902	7.632208	7.493801	7.263989	7.268916	7.165092	6.556168	5.627181	4.926951	4.243435	2.75981	0.525986	-1.59107	-3.87389	-6.36536	-6.12235	-6.7328	-12.432	-15.3612	-17.462	-17.8859	-17.7553	-19.0365	-18.6643	-21.281	-20.5401	-20.9689	-26.8241	-31.5718	-23.2929	-20.4943	-23.4707	-17.8438	-16.1283	-18.2581	
45	7.511902	7.657584	7.52597	7.348486	7.368511	7.253418	6.616508	5.67807	4.982491	4.331319	2.920114	0.797255	-1.05052	-2.71856	-5.03513	-7.32255	-6.98527	-13.799	-18.6125	-18.8982	-15.8023	-15.269	-16.894	-19.1384	-19.1268	-22.4152	-20.6253	-21.9455	-28.2382	-31.7519	-23.4301	-21.9464	-23.4726	-17.13	-15.9735	-18.0033
50	7.511902	7.68151	7.556815	7.411912	7.456211	7.311121	6.653543	5.689492	5.020619	4.485294	3.0667	1.383971	-0.48411	-2.13137	-4.28445	-6.86147	-9.15527	-11.3738	-13.1152	-12.6842	-12.6585	-13.3991	-16.4209	-19.3721	-22.7596	-21.1303	-23.1084	-28.5239	-28.9199	-23.2592	-23.2989	-22.4584	-16.7246	-16.0433	-17.8053	
55	7.511902	7.703903	7.58593	7.471907	7.527246	7.373928	6.630003	5.698726	5.040037	4.593497	3.068223	1.210286	0.22082	-1.6325	-3.72015	-5.85175	-6.49945	-8.94261	-9.96358	-10.6051	-12.4345	-15.3974	-18.5677	-19.0268	-19.2383	-21.4154	-21.123	-23.9794	-26.5132	-26.0162	-23.1941	-24.3154	-21.5092	-16.7335	-16.3622	-17.6543
60	7.511902	7.724712	7.612746	7.52559	7.577402	7.335172	6.624025	5.762655	5.106613	4.617447	3.865182	2.575489	0.794142	-1.34795	-3.64518	-5.50638	-6.99238	-8.74628	-10.2296	-11.4444	-14.0871	-19.1792	-19.2628	-16.39	-19.5996	-17.6787	-20.5079	-22.5577	-22.1075	-23.1397	-23.4377	-25.2424	-21.3777	-17.2468	-16.9527	-17.5379
65	7.511902	7.743918	7.636631	7.570123	7.603346	7.301066	6.614622	5.894808	5.283318	4.628123	3.76311	2.624719	1.069197	-1.00808	-3.65995	-5.81273	-7.74752	-10.3118	-12.5248	-13.5404	-15.4792	-18.1294	-17.68	-15.3914	-15.0696	-17.1457	-21.1417	-19.9428	-19.0745	-21.3661	-24.0378	-26.129	-22.0601	-18.3619	-17.8317	-17.4411
70	7.511902	7.761531	7.657012	7.603277	7.603166	7.229381	6.570978	6.023039	5.516863	4.691045	3.495979	2.224607	0.874243	-0.88337	-3.04401	-5.08169	-7.17516	-9.91585	-12.2959	-13.2559	-14.7925	-17.4338	-18.3474	-16.9936	-17.6339	-20.908	-23.4287	-18.4208	-18.1176	-21.3586	-25.1756	-26.1835	-23.982	-20.1925	-18.9935	-17.3481
75	7.511902	7.777592	7.673505	7.628888	7.577286	7.113517	6.46437	6.025756	5.633065	4.72252	3.217897	1.660041	0.399642	-0.9321	-2.63408	-4.46919	-6.36946	-8.54923	-10.3073	-11.6879	-14.2279	-17.9597	-19.0658	-19.3416	-23.1512	-30.109	-24.4497	-18.5915	-19.2017	-23.6002	-27.0918	-24.8359	-24.5281	-22.7822	-20.3633	-17.244
80	7.511902	7.792717	7.686017	7.632118	7.529416	6.954933	6.212956	5.813004	5.462669	4.521634	3.197091	0.36519	-0.66528	-2.24067	-3.99571	-5.57003	-7.16314	-8.99997	-10.761	-13.6402	-16.9197	-19.3719	-18.2149	-22.3547	-25.614	-24.0331	-20.0286	-22.0718	-29.2826	-29.2403	-22.9631	-23.6397	-25.4076	-21.6907	-17.1171	
85	7.511902	7.805364	7.694812	7.629485	7.466843	6.769203	5.88893	5.389943	4.965593	3.955779	2.405829	1.126123	0.398036	-0.65707	-2.4803	-4.28324	-6.76588	-8.71419	-11.8054	-15.98981	-13.0091	-15.586	-15.1821	-15.4579	-19.9619	-24.8003	-23.3801	-20.9862	-25.3468	-36.7317	-28.7403	-21.3927	-22.0479	-25.442	-22.465	-16.9605
90	7.511902	7.817285	7.706323	7.618665	7.399463	6.584637	5.435458	4.881367	4.304488	3.517006	1.889569	0.454843	-0.25641	-1.60343	-4.01241	-6.24359	-8.90814	-10.3926	-12.5594	-10.7961	-12.63	-14.4424	-14.0432	-14.2409	-18.8392	-24.0585	-22.3384	-21.1037	-28.0731	-29.4545	-25.83	-20.3786	-20.5127	-23.1435	-22.4648	-16.7393
95	7.511902	7.828062	7.704115	7.603116	7.33773	6.431863	5.265715	4.4875	3.823463	2.594874	0.927158	-0.4147	-1.4118	-3.2004	-6.04177	-7.99165	-8.68723	-10.047	-12.0397	-12.6018	-13.3551	-14.9035	-15.1873	-14.9035	-17.7585	-22.5935	-21.9291	-20.8132	-30.0243	-26.032	-23.4138	-19.9786	-19.8309	-20.392	-21.2929	-16.5601
100	7.511902	7.837819	7.706803	7.586623	7.290466	6.330332	5.10659	4.336605	3.779918	2.665616	0.926849	-0.86209	-2.39465	-4.46261	-7.32207	-8.88635	-9.2599	-10.058	-12.0282	-12.5732	-13.6721	-14.4622	-16.4905	-17.8826	-21.392	-17.7837	-21.7629	-19.7539	-18.6132	-25.6732	-24.6913	-22.109	-20.2149	-19.925	-19.4692	-16.3529
105	7.511902	7.846663	7.70939	7.572831	7.263677	6.282577	5.046384	4.361413	4.026698	3.126814	1.354398	-0.84202	-2.76111	-4.55208	-6.63406	-7.91187	-8.60686	-10.4244	-12.8579	-13.7584	-15.3994	-17.6598	-19.3165	-19.8104	-19.8991	-20.076	-17.3644	-16.7555	-22.6781	-24.4809	-21.7188	-21.0341	-20.7594	-18.4727	-18.8861	-16.094
110	7.511902	7.854671	7.718477	7.564841	7.269693	6.281286	5.025658	4.381572	4.213607	3.465355	1.639809	-0.82058	-2.83374	-4.22458	-5.903	-7.50722	-8.66634	-10.1888	-12.1594	-13.7811	-16.1969	-18.4941	-19.2821	-20.8955	-20.8497	-20.1289	-17.4082	-16.9931	-22.7708	-24.3182	-21.7492	-22.1413	-20.7657	-17.8888	-17.9383	-15.8639
115	7.511902	7.861969	7.722948	7.56487	7.282759	6.321235	5.055848	4.271188	4.111439	3.400872	1.478892	-1.2112	-3.35401	-4.8113	-6.90852	-9.20116	-10.6148	-11.2618	-12.5912	-14.5984	-17.0118	-18.5761	-19.7922	-22.7357	-22.7068	-20.1877	-19.4307	-23.0136	-23.3161	-21.6369	-22.296	-23.1906	-17.3333	-17.1077	-15.6055	
120	7.511902	7.868218	7.724836	7.574039	7.328908	6.40488	4.990207	4.029204	3.698067	2.90067	0.859193	-0.06861	-4.95939	-6.42314	-8.93778	-11.1738	-13.3491	-13.7514	-14.5866	-16.2445	-17.1992	-19.6425	-21.7087	-26.3364	-24.2109	-24.9896	-24.4257	-23.0201	-23.5105	-22.5035	-21.5472	-23.1052	-23.295	-16.9663	-16.6484	-15.4626
125	7.511902	7.873402	7.751494	7.592351	7.395641	6.53582	5.02332	3.760311	3.069638	2.115204	0.94173	-5.4911	-7.1388	-8.50682	-10.1136	-12.4956	-12.6092	-14.7639	-17.5977	-20.0399	-23.0512	-26.3321	-26.8324	-26.2477	-24.8648	-24.0355	-26.8774	-21.8481	-23.2912	-22.6684	-16.6946	-16.2711	-15.7235	-15.2243		
130	7.511902	7.877782	7.773078	7.618945	7.475964	6.708909	5.203804	3.605991	2.4897	1.351905	-0.57121	-2.96377	-4.78805	-5.84309	-6.54548	-7.83338	-10.1632	-12.4902	-13.8674	-14.6853	-16.0139	-18.2763	-21.9421	-22.6294	-27.036	-28.8417	-26.8891	-25.4308	-25.1786	-24.5839	-22.94					

Raw data – ANT1 (5.725GHz)

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	7.5731129	7.448394	7.487201	7.139283	6.52762	6.329776	5.900749	4.660976	4.121222	3.923916	4.145864	-1.27706	0.08891	-0.259276	-2.21185	-3.37589	-7.21548	-6.86823	-12.9315	-16.3497	-16.0556	-14.3972	-17.4605	-26.1206	-26.9279	-18.3785	-19.5636	-26.395	-23.8758	-19.6145	-21.1214	-21.9812	-21.0599	-17.4306			
5	7.5731129	7.448394	7.487201	7.139283	6.52762	6.329776	5.900749	4.660976	4.121222	3.923916	4.145864	-1.27706	0.08891	-0.259276	-2.21185	-3.37589	-7.21548	-6.86823	-12.9315	-16.3497	-16.0556	-14.3972	-17.4605	-26.1206	-26.9279	-18.3785	-19.5636	-26.395	-23.8758	-19.6145	-21.1214	-21.9812	-21.0599	-17.4306			
10	7.5731129	7.588801	7.636567	7.205358	6.688892	6.49651	6.119359	5.212327	4.813833	4.084456	1.369748	-0.75888	0.579044	-0.1858	-0.301186	-3.81971	-4.91012	-8.06592	-9.92048	-9.2212	-15.5111	-19.642	-17.5314	-15.6643	-19.0152	-23.3842	-19.4606	-15.8503	-19.6526	-22.9315	-21.6926	-20.8756	-20.3573	-22.4528	-21.0243	-17.2223	
15	7.5731129	7.648561	7.693533	7.24987	6.758116	6.655302	6.288223	5.440626	5.059666	4.197343	1.701797	-0.47147	0.390743	-0.1858	-0.301186	-3.81971	-4.91012	-8.06592	-9.92048	-9.2212	-15.5111	-19.642	-17.5314	-15.6643	-19.0152	-23.3842	-19.4606	-15.8503	-19.6526	-22.9315	-21.6926	-20.8756	-20.3573	-22.4528	-21.0243	-17.2223	
20	7.5731129	7.700717	7.744278	7.302709	6.888051	6.849558	6.43745	5.57983	5.254955	4.560547	2.227047	-0.90797	0.58753	-0.4687	-3.78419	-4.65092	-5.65994	-5.45435	-9.80971	-10.5068	-11.337	-22.037	-22.2589	-14.7464	-16.1257	-17.5807	-17.0215	-16.3247	-22.526	-20.4284	-20.9653	-20.407	-20.2291	-21.9429	-20.5732	-16.9451	
25	7.5731129	7.744619	7.78857	7.3626	7.027258	7.017915	6.543927	5.592883	5.241703	4.678564	2.966159	-0.19436	0.604863	-1.23584	-4.047	-5.02545	-4.39799	-7.40538	-10.1934	-11.1159	-22.068	-16.3571	-17.1017	-15.3168	-16.5406	-18.3613	-18.4499	-18.7011	-24.4746	-20.7253	-20.8135	-19.5506	-20.6802	-21.2731	-20.5762	-16.9666	
30	7.5731129	7.779277	7.818278	7.427179	7.158516	7.14665	6.607153	5.534681	5.062966	4.530487	2.326328	-1.04823	-1.20777	-2.09821	-5.43839	-6.1252	-4.85059	-7.56433	-11.0456	-11.5989	-12.5322	-22.655	-12.6605	-13.2877	-12.5607	-17.417	-20.5553	-20.7861	-20.9877	-24.0088	-21.4295	-20.1956	-19.0573	-21.5333	-20.3758	-19.9787	-16.6469
35	7.5731129	7.805887	7.841465	7.493461	7.271025	7.221462	6.638243	5.49545	4.846377	4.219217	1.984394	-1.87944	-0.52583	-1.87514	-5.15514	-5.77191	-6.05001	-8.96095	-10.769	-11.8329	-12.4539	-13.1573	-17.7831	-22.6291	-22.2897	-21.501	-24.0176	-23.0576	-19.5283	-19.1594	-22.2932	-19.4007	-19.824	-16.4981			
40	7.5731129	7.824048	7.855375	7.558347	7.35807	7.237305	6.64397	5.54604	4.801243	4.031178	1.873615	-1.7184	-3.2659	-3.47968	-3.82558	-3.53771	-4.11462	-6.11133	-6.65915	-1.94526	-13.0511	-13.9992	-13.2428	-13.9032	-15.0581	-20.3893	-20.5648	-19.7201	-23.2776	-25.0772	-18.8939	-19.4213	-21.8567	-18.5444	-19.8705	-16.3496	
45	7.5731129	7.834005	7.859923	7.619044	7.418812	7.198647	6.32079	5.713396	5.039726	4.213198	2.217205	-0.75706	-2.54796	-3.43773	-3.33818	-2.5321	-3.84585	-4.35172	-7.33836	-11.1659	-14.5841	-14.663	-13.0445	-12.4528	-12.5319	-17.8096	-17.8207	-16.9516	-20.0977	-23.6064	-17.889	-18.9174	-20.2325	-17.9885	-20.1924	-16.1644	
50	7.5731129	7.836139	7.854995	7.673252	7.457703	7.120395	6.557428	5.887605	5.43843	4.696969	2.94261	0.695001	-1.066	-3.55433	-3.98048	-5.66235	-7.7303	-12.3293	-13.9045	-14.7276	-12.592	-10.9335	-11.585	-12.4625	-13.9008	-19.5935	-16.4883	-15.2555	-18.3129	-20.8678	-15.547	-17.5322	-18.6769	-17.8779	-20.8652	-16.0435	
55	7.5731129	7.830957	7.840447	7.71904	7.482224	7.02725	6.457194	5.971596	5.73631	5.129447	3.546841	1.68705	0.536273	-1.55909	-3.65193	-4.81261	-3.89023	-6.70179	-13.0689	-11.1159	-12.0663	-10.7884	-12.0963	-16.1786	-23.2945	-20.0119	-15.6361	-15.038	-19.3569	-19.2908	-16.547	-16.2496	-17.9468	-16.247	-17.9718	-15.8773	
60	7.5731129	7.818909	7.816107	7.75449	7.499195	6.947586	6.351637	5.921391	5.742834	5.207542	3.688638	1.373043	0.658947	-0.69647	-3.18014	-4.76706	-5.40018	-7.57857	-9.13799	-9.58582	-13.0553	-15.5012	-15.9119	-19.7217	-17.2628	-14.6246	-14.6606	-15.9222	-24.1611	-18.0586	-15.0029	-15.736	-18.3783	-19.3858	-23.5968	-15.6964	
65	7.5731129	7.801281	7.7818	7.777298	7.510783	6.900004	6.293206	5.805703	5.4639	4.888612	3.514582	1.53025	0.659681	-0.59884	-3.82818	-5.10204	-6.48444	-8.83728	-10.2145	-11.1679	-12.9245	-20.062	-16.6549	-13.916	-13.5825	-14.8144	-17.2354	-24.7349	-16.4957	-15.1363	-16.2464	-20.4095	-20.8822	-25.7436	-15.4975		
70	7.5731129	7.778388	7.737405	7.784613	7.512025	6.878573	6.310346	5.763071	5.117655	4.329254	3.164133	1.688729	0.359448	-1.46333	-3.72723	-4.97899	-6.64632	-9.6924	-10.6532	-12.9822	-17.4418	-18.6615	-17.452	-16.4978	-16.4051	-16.3394	-16.6375	-18.5604	-19.3019	-15.281	-15.8791	-17.9846	-25.2877	-21.8502	-27.8999	-15.2795	
75	7.5731129	7.751367	7.682948	7.773288	7.492018	6.849892	6.360341	5.843917	4.965395	3.854532	2.76283	1.915036	1.139083	0.62489	-3.19464	-4.54302	-5.70721	-8.59867	-10.7753	-11.1731	-12.4459	-13.4335	-14.0281	-17.2721	-22.7254	-20.5711	-19.3794	-20.2949	-17.4885	-15.1605	-17.2962	-21.3265	-32.1202	-20.9784	-28.3267	-15.0438	
80	7.5731129	7.721276	7.618737	7.740578	7.440567	6.768541	6.343501	5.919769	4.99163	3.703241	2.647628	2.227391	1.773795	0.101801	-2.51068	-3.9611	-4.92389	-7.26415	-8.73356	-9.00114	-10.4068	-11.7107	-13.0342	-14.2898	-25.1693	-20.0298	-20.0589	-21.8733	-18.1502	-16.4034	-19.5564	-26.0877	-23.216	-19.0585	-26.5184	-14.7947	
85	7.5731129	7.689254	7.545512	7.685037	7.43775	6.601602	6.172004	5.809409	4.917725	3.651187	2.659207	2.186499	1.431189	-0.5194	-3.05997	-4.456	-5.8871	-8.2849	-9.22316	-9.28613	-11.0558	-13.0124	-15.1506	-18.2692	-18.8051	-16.4012	-17.9562	-21.1026	-20.1966	-18.9625	-25.0885	-18.9444	-17.4624	-26.2688	-15.5485		
90	7.5731129	7.656511	7.464597	7.607316	7.215349	6.347054	5.827856	5.439845	4.537452	3.184823	2.321531	1.441048	-0.60576	-2.58005	-4.71161	-5.51402	-7.3084	-10.7317	-11.8225	-11.8417	-12.9979	-14.0748	-15.2915	-15.4212	-14.9978	-14.728	-17.4148	-20.4509	-22.6233	-21.9028	-22.9203	-21.0831	-16.2073	-16.4626	-22.3783	-14.2828	
95	7.5731129	7.624302	7.378001	7.510569	7.054051	6.073551	5.377947	4.894607	3.874218	2.568435	1.470518	0.273701	-0.50213	-1.57429	-5.20213	-6.07023	-10.8804	-11.4319	-13.1128	-13.4336	-14.5777	-15.1772	-15.2655	-15.2515	-15.4664	-16.361	-19.8216	-22.2239	-25.2118	-22.2922	-20.7397	-18.9955	-15.3919	-16.2244	-20.8685	-14.0611	
100	7.5731129	7.593897	7.288459	7.400355	6.88174	5.728253	4.946669	4.377074	3.169105	1.565871	0.228665	-0.9122	-2.3028	-4.33827	-5.82647	-6.5757	-10.2436	-10.6633	-11.9408	-12.6167	-14.6912	-15.6162	-17.5239	-19.0328	-19.9563	-21.106	-22.4649	-22.2025	-22.7451	-20.8069	-19.3528	-18.9596	-15.7307	-16.6235	-19.6159	-13.8067	
105	7.5731129	7.566542	7.199366	7.284082	6.718823	5.473224	4.684802	4.094701	2.781272	1.801903	-0.84762	-1.60113	-2.5422	-3.5507	-5.26602	-6.8965	-8.1035	-10.3754	-11.4497	-12.6739	-14.6912	-15.5079	-18.3605	-23.9329	-23.935	-22.167	-18.8961	-17.647	-18.6795	-20.7347	-19.8297	-19.9396	-17.0614	-17.4501	-18.5155	-13.6025	
110	7.5731129	7.543409	7.11462	7.170106	6.583796	5.3361	4.517776	4.00317	2.855781	0.750353	-1.16594	-1.66492	-1.73845	-2.97673	-4.75377	-5.89946	-7.28883	-8.62267	-11.6833	-12.7654	-14.4614	-16.3455	-18.1973	-20.3829	-20.7602	-19.9882	-16.7975	-15.7058	-17.3585	-23.512	-22.2709	-21.3344	-18.9847	-18.2066	-17.5166	-13.306	
115	7.5731129	7.525552	7.038361	7.067052	6.49009	5.228387	4.499103	4.212933	3.132072	1.032451	-1.08771	-1.74931	-3.13207	-4.03251	-5.68807	-7.17965	-8.2558	-9.58875	-11.5773	-12.6375	-13.492	-13.9246	-15.7773	-18.0976	-20.2648	-20.2648	-16.7975	-15.7058	-17.3585	-23.512	-22.2709	-21.3344	-18.9847	-18.2066	-17.5166	-13.306	
120	7.5731129	7.513845	6.974651	6.982155	6.450015	5.228676	4.521275	4.289436	3.29922	1.165257	-1.22457	-2.39986	-2.87153	-4.37785	-5.77104	-6.59983	-8.35509	-9.43451	-11.7341	-13.6212	-13.946	-14.735	-16.2514	-19.4947	-22.4144	-26.5474	-23.446	-19.886	-17.3939	-19.531	-21.6728	-20.7403	-19.8233	-17.8838	-15.891	-13.3077	
125	7.5731129	7.508932	6.927119	6.928001	6.466187	5.310262	4.597716	4.264603	3.270028	1.07716	-1.60833	-3.52796	-4.85729	-6.82014	-8.17824	-7.54108	-7.6699	-9.5004	-11.3753	-12.9895	-13.5633	-15.2188	-16.353	-17.1731	-24.6147	-27.1115	-25.3221	-20.3562	-15.8904	-16.4862	-19.2202	-19.6329	-18.967	-16.3465	-15.2706	-13.1161	
130	7.5731129	7.511185	6.898649	6.8853	6.538287	5.476081	4.639295	4.192823	3.195011	1.07478	-1.80258	-3.07982	-4.78081	-6.30134	-7.18287	-8.6996	-8.90352	-10.5324	-12.3645	-14.9675	-15.9007	-22.411	-24.0514	-21.6801	-19.3305	-15.5992	-15.0075	-17.7756	-19.1569	-18.7666	-1						

Raw data – ANT1 (5.785GHz)

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	7.6807643	7.477721	7.518817	7.213837	6.577568	6.274258	5.831978	4.725888	4.366991	4.280407	2.066925	-0.12762	-2.726107	-2.78088	-2.726107	-4.13376	-4.85159	-5.771008	-7.71008	-8.272392	-8.043268	-7.177003	-6.157365	-4.651095	-3.461194	-2.191887	-25.86852	-25.5789	-19.9092	-19.9021	-27.7392	-26.133	-22.2101	-19.4459	-24.3921	-19.1661
5	7.6807643	7.540528	7.583239	7.235458	6.505322	6.347733	5.959635	5.105015	4.804827	4.310688	1.925888	0.270635	1.580648	0.832205	-1.87577	-2.77717	-3.221	-3.89988	-10.1558	-8.72268	-13.9967	-16.9941	-16.6499	-17.1464	-20.1421	-26.4058	-24.6884	-20.8747	-20.3718	-25.7904	-23.825	-23.5414	-19.3338	-24.5179	-24.7907	-19.8491
10	7.6807643	7.614073	7.636704	7.256202	6.703849	6.465539	6.12372	5.457945	5.149999	4.2916	1.723904	0.338448	1.568729	0.574001	-2.66649	-3.96287	-5.23888	-10.03298	-11.1665	-10.4407	-15.2447	-19.3563	-20.0431	-18.9054	-20.0919	-24.1657	-22.1352	-19.6423	-20.522	-22.5438	-21.1887	-24.3501	-19.378	-25.0767	-24.5871	-18.6171
15	7.6807643	7.679971	7.679971	7.281567	6.797094	6.607955	6.271632	5.700561	5.365735	4.287754	1.617637	0.252524	1.565605	0.248709	-1.61699	-3.68688	-6.76668	-10.1606	-11.6659	-14.6692	-18.7457	-20.0484	-19.8588	-18.4416	-20.2501	-19.9396	-19.2494	-21.3329	-20.2214	-19.5076	-23.964	-19.6041	-25.9104	-23.7411	-18.3435	
20	7.6807643	7.722119	7.714	7.312006	6.904224	6.754282	6.368349	5.785747	5.446042	4.325277	1.666238	0.1584	1.144166	0.13178	-3.5644	-9.90108	-6.45578	-10.3875	-11.8077	-12.0194	-22.7552	-20.3691	-26.7895	-19.3275	-17.5711	-18.4889	-18.8781	-20.5003	-23.0104	-19.1615	-18.8875	-22.6809	-20.0859	-26.5582	-22.5346	-18.0813
25	7.6807643	7.764925	7.739815	7.347406	7.015709	6.887433	6.408264	5.712572	5.360991	4.314705	1.607222	0.160226	1.156766	-1.1102	-4.74204	-5.22381	-6.06058	-10.2835	-12.596	-13.2182	-17.1093	-22.7689	-16.9558	-17.82	-18.7878	-19.4459	-23.4574	-24.4325	-19.2325	-19.1372	-21.3448	-20.9294	-25.9826	-21.2753	-17.8379	
30	7.6807643	7.800399	7.75842	7.386476	7.12096	6.996691	6.412661	5.531417	5.112561	4.166767	1.461438	-0.94735	-0.321	-1.85239	-4.0165	-7.2115	-7.13636	-11.1002	-13.7095	-12.7763	-13.9998	-14.0093	-16.5698	-15.4319	-19.3949	-20.1353	-21.3287	-26.1238	-24.4487	-20.205	-19.8292	-20.4201	-22.1861	-24.0043	-20.1534	-17.6194
35	7.6807643	7.828501	7.770755	7.427302	7.2105	7.075558	6.41565	5.344468	4.780139	6.919576	1.241522	-1.85109	-1.235	-1.70773	-4.06357	-5.86984	-6.68056	-10.6805	-10.7049	-10.6606	-13.2142	-13.016	-14.7539	-15.1433	-19.0811	-17.7891	-22.6766	-24.2936	-23.9471	-21.4848	-20.2593	-19.9821	-23.5563	-21.6953	-19.2609	-17.4301
40	7.6807643	7.849847	7.777661	7.467989	7.277549	7.118915	6.442886	5.273499	4.529115	3.722581	1.285328	-2.18981	-2.04209	-1.77563	-2.66988	-3.07092	-4.2416	-6.11362	-6.73683	-8.55343	-12.5533	-14.3173	-13.3395	-14.4014	-15.239	-17.1707	-20.2339	-20.5505	-22.1098	-21.4713	-19.8429	-19.8238	-23.9664	-19.7596	-18.6405	-17.2717
45	7.6807643	7.864786	7.779862	7.507211	7.319031	7.112129	6.492921	5.385511	4.532372	3.746424	1.741346	-1.47746	-1.47746	-2.80198	-2.75552	-2.59326	-2.10184	-3.83161	-6.63521	-9.28625	-14.7243	-14.2729	-12.6	-13.0439	-13.1902	-16.0108	-17.5121	-17.5544	-19.2624	-19.8065	-18.7602	-19.5522	-22.8207	-18.3896	-18.3146	-17.1433
50	7.6807643	7.873831	7.777929	7.544486	7.336145	7.076911	6.533086	5.631451	4.817773	4.028868	2.478516	1.087504	1.83188	-4.22263	-5.83666	-5.00305	-4.66338	-10.1776	-11.2086	-12.522	-13.3631	-11.9114	-11.9358	-12.9962	-14.6289	-18.0985	-16.5242	-16.0932	-17.6609	-18.3903	-17.6384	-18.9696	-21.3211	-17.6102	-18.2884	-17.0413
55	7.6807643	7.877551	7.77223	7.580063	7.334447	6.985289	6.514167	5.868037	5.206505	4.388276	3.006114	1.456978	1.673676	-2.17563	-6.23962	-4.5574	-9.24042	-12.8821	-15.6396	-12.6222	-14.2587	-15.032	-16.808	-16.2721	-16.1808	-18.2105	-18.0456	-16.9084	-18.3546	-20.4974	-17.4104	-18.604	-16.9594	-17.4104	-16.9594	
60	7.6807643	7.876563	7.762876	7.614418	7.323023	6.855475	6.398102	5.944248	5.447039	4.620043	3.111352	1.499104	0.562325	-1.02929	-3.97689	-5.99918	-6.68431	-9.14482	-11.0116	-10.5577	-12.7433	-15.1246	-15.2293	-18.2181	-19.4905	-16.5196	-15.9077	-17.5025	-21.3109	-18.3524	-16.6998	-18.1385	-20.7463	-17.756	-19.2384	-16.8897
65	7.6807643	7.871518	7.749685	7.647467	7.312067	6.186731	5.782108	5.361467	4.597111	3.066568	1.575083	-0.12104	-1.96326	-1.73233	-3.95762	-7.98351	-11.0777	-10.7809	-16.0406	-15.4954	-16.3139	-19.1565	-24.1539	-18.2198	-16.9627	-18.5822	-22.3331	-18.534	-19.1569	-16.9627	-18.5822	-22.3331	-18.534	-19.1569	-16.9627	-18.5822
70	7.6807643	7.8631	7.73218	7.677796	7.308894	6.579543	5.933229	5.422631	4.915273	4.200426	2.881569	1.1478	-0.43156	-2.45841	-4.9919	-6.29701	-7.56426	-9.8065	-10.693	-13.1293	-19.0942	-19.4954	-18.23	-17.7829	-17.4087	-17.7382	-17.6114	-19.7274	-20.944	-17.5494	-17.6179	-19.7754	-25.3297	-19.4143	-21.4189	-16.7507
75	7.6807643	7.852026	7.709676	7.702261	7.313953	6.485168	5.714796	5.019665	4.275263	3.479885	2.379681	1.082137	-0.27056	-2.34165	-4.81219	-5.72909	-6.63047	-9.14246	-11.091	-11.8717	-13.4905	-14.2191	-14.3491	-16.734	-21.0661	-20.2865	-18.5502	-20.0554	-19.0803	-17.4043	-18.6969	-21.6035	-26.4739	-19.7905	-22.7813	-16.6661
80	7.6807643	7.839043	7.681428	7.716276	7.319478	6.423895	5.726206	4.736887	3.764751	2.833092	1.899646	1.018708	-0.03332	-1.94584	-2.22864	-4.9269	-5.65687	-8.96565	-9.53322	-9.58225	-10.6633	-12.0462	-13.3483	-16.6038	-21.2749	-18.8622	-18.7918	-21.5781	-19.6794	-18.3444	-20.3454	-23.3302	-22.6711	-19.3287	-24.0123	-16.5644
85	7.6807643	7.82493	7.646868	7.71479	7.312133	6.368871	5.478592	4.604437	3.57059	2.612945	1.745644	0.871779	0.33182	-2.22311	-4.19974	-6.19689	-8.96585	-9.44706	-9.55206	-11.102	-13.2136	-15.0086	-17.1287	-17.7614	-16.304	-18.0738	-22.3155	-21.6232	-20.0948	-22.4447	-23.4037	-19.3307	-18.4853	-24.7899	-16.4687	
90	7.6807643	7.810493	7.60886	7.693684	7.27963	6.287746	5.37006	4.523509	3.599234	2.661003	1.705733	0.410306	-1.38486	-3.41673	-4.93327	-5.63651	-7.27462	-9.9983	-11.1799	-11.5487	-12.8352	-14.5684	-15.9752	-15.6588	-14.8301	-14.8987	-17.3989	-21.2359	-23.0439	-21.3624	-23.6494	-24.0327	-17.4194	-17.8835	-25.0016	-16.3192
95	7.6807643	7.796562	7.558938	7.651122	7.214552	6.162405	5.280917	4.397556	3.499881	2.565373	1.532523	-0.06999	-2.80092	-4.70757	-5.45554	-7.04826	-9.54011	-11.8099	-12.2589	-15.9685	-15.1774	-15.9685	-16.8717	-14.8716	-16.0177	-18.5723	-21.7977	-23.2127	-21.0986	-22.9272	-20.9146	-16.7062	-17.8691	-24.8265	-16.1833	
100	7.6807643	7.783399	7.507456	7.588438	7.119319	5.997821	5.003915	4.208545	3.281421	2.259872	1.040282	-0.52761	-2.42434	-3.71857	-4.77554	-5.50828	-6.713	-8.28414	-10.9657	-12.2336	-13.6864	-15.3932	-17.4681	-18.2668	-18.49	-19.7799	-21.0914	-22.0561	-21.1563	-20.5629	-22.5316	-20.8391	-17.0594	-18.62	-24.4663	-16.0488
105	7.6807643	7.759633	7.45362	7.510292	7.005325	5.818269	4.794861	4.012488	2.970706	1.654935	0.274196	-1.00021	-2.29755	-3.98976	-5.78549	-6.70054	-7.68214	-11.625	-12.9249	-13.7006	-16.1296	-18.1031	-18.2698	-19.9327	-22.1679	-19.8766	-18.492	-18.5932	-21.3195	-24.1301	-21.981	-18.4499	-20.283	-23.9651	-15.9422	
110	7.6807643	7.760253	7.400372	7.424071	6.899002	5.658494	4.63336	3.891092	2.756732	1.154598	-0.33515	-1.23104	-2.28474	-4.26455	-6.72561	-7.90166	-8.72407	-10.9812	-13.4698	-14.1898	-15.4078	-18.2356	-20.7625	-24.2695	-23.6965	-21.3254	-18.0455	-16.607	-17.7158	-23.9794	-29.3516	-23.8813	-20.6935	-22.9236	-23.2734	-15.8176
115	7.6807643	7.762135	7.35114	7.338626	6.795646	5.55275	4.553026	3.881279	2.747924	1.101703	-0.5104	-1.20478	-2.07732	-4.17449	-6.48533	-7.38767	-11.5251	-14.8593	-15.9658	-18.9707	-20.0168	-21.3115	-23.224	-22.845	-19.4196	-17.5108	-18.1384	-24.534	-32.2069	-24.5119	-22.7752	-25.5227	-22.3808	-15.7363		
120	7.6807643	7.762417	7.309496	7.262626	6.738515	5.530349	4.562445	3.982012	2.863165	1.088042	-0.57101	-1.40078	-2.31032	-4.28928	-6.1783	-6.5517	-7.60335	-10.5099	-14.1738	-15.0449	-19.2821	-17.455	-18.7629	-20.8554	-22.7695	-27.4821	-24.1116	-19.7214	-17.9803	-20.9224	-25.5377	-23.0792	-22.7188	-24.727	-21.4163	-15.8864
125	7.6807643	7.762723	7.27878	7.202898	6.730392	5.590061	4.654123	4.056622	2.987597	1.142381	-0.81684	-2.11115	-3.29275	-5.20666	-6.76994	-8.48987	-7.398	-9.46135	-11.7359	-13.296	-14.2883	-16.6798	-18.1019	-22.7686	-24.7492	-27.7147	-27.007	-20.508	-17.1789	-18.6524	-22.1834	-21.5802	-21.4457	-21.9703	-20.4973	-15.6277
130	7.6807643	7.766889	7.26766	7.163166	6.727352	5.73901	4.815748	4.176931	3.085788	1.190318	-1.04588	-2.76931	-4.16706	-5.83779	-7.10797	-7.07957	-7.34753	-11.5811	-13.425	-14.0822	-16.7599	-19.0016	-21.451	-25.6463	-25.494	-24.1818	-20.3833	-20.8696	-17.647							

Raw data – ANT1 (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	7.8803511	7.69576	7.624087	7.176991	6.347775	6.018831	5.932377	5.112107	4.473906	4.088392	2.115354	0.366107	1.197356	-0.01354	-3.54579	-0.09384	-5.85793	-11.9511	-11.5606	-9.78955	-14.4392	-16.1597	-14.3327	-18.3928	-24.5236	-25.6014	-20.3857	-22.8422	-22.9556	-28.0807	-26.1245	-24.1842	-17.9444	-20.3563	-28.8488	-21.2329	
5	7.8803511	7.76665	7.681945	7.180878	6.416727	6.191801	6.162368	5.473583	4.755711	4.127474	2.361542	1.02025	1.607633	0.295472	-3.26993	-4.47024	-6.81837	-13.2862	-13.8664	-11.0838	-14.7653	-17.2851	-14.8771	-19.0169	-26.2069	-24.1696	-18.8384	-24.7091	-23.9463	-26.6437	-22.4589	-24.6518	-17.9737	-19.5788	-26.5932	-20.3994	
10	7.8803511	7.829334	7.723651	7.238084	6.57676	6.390525	6.368345	5.745399	4.930277	4.098687	2.440302	1.301223	1.553734	-0.03321	-3.9	-4.9792	-6.38009	-12.6262	-14.7667	-12.4377	-15.1643	-17.7644	-15.5589	-20.4679	-28.0777	-23.0345	-18.0408	-23.7529	-23.1264	-23.6574	-19.6173	-24.7779	-17.2336	-19.1615	-24.4003	-19.6323	
15	7.8803511	7.886426	7.779519	7.295517	6.745372	6.600208	6.517974	5.906444	5.036589	4.010586	2.34546	1.234316	1.384746	-0.3749	-5.75705	-6.81837	-12.6042	-14.6115	-12.3078	-14.7344	-17.2751	-15.5578	-20.4679	-28.0777	-23.0345	-18.0408	-23.7529	-23.1264	-23.6574	-19.6173	-24.7779	-17.2336	-19.1615	-24.4003	-19.6323		
20	7.8803511	7.936649	7.822024	7.369241	6.936587	6.807548	6.597819	5.947489	5.066653	3.897889	2.100258	0.911254	0.797468	-0.7211	-3.96549	-5.25599	-6.9385	-12.1841	-13.126	-12.8262	-16.0609	-16.4339	-18.8067	-24.426	-22.5986	-19.7427	-17.4261	-22.7343	-22.6492	-19.6543	-17.4209	-25.2332	-16.6271	-19.2948	-20.7466	-18.3028	
25	7.8803511	7.980209	7.860119	7.454491	7.135057	6.98911	6.615171	5.87789	5.203015	3.780277	1.664838	0.80096	0.766707	-1.64333	-4.29689	-5.94323	-7.04169	-13.1633	-13.7382	-12.9821	-16.0639	-16.5906	-18.8067	-24.426	-22.5986	-19.7427	-17.4261	-22.7343	-22.6492	-19.6543	-17.4209	-25.2332	-16.6271	-19.2948	-20.7466	-18.3028	
30	7.8803511	8.016143	7.893305	7.544796	7.325848	7.148076	6.597594	5.7362	4.929734	3.701071	1.457444	-0.16037	-0.47466	-2.54082	-6.22501	-6.95902	-8.97906	-15.494	-15.855	-14.058	-16.3082	-16.6743	-18.4308	-19.9599	-19.688	-19.6974	-19.3363	-26.135	-25.8568	-20.1574	-19.5802	-23.701	-16.6858	-20.2844	-18.0794	-17.3252	
35	7.8803511	8.04599	7.920204	7.633226	7.495868	7.28495	6.58487	5.591596	4.838908	3.720965	1.345694	-0.57822	-0.60316	-2.00905	-4.58048	-5.78208	-8.05224	-13.9675	-17.7567	-17.8613	-16.302	-16.7444	-17.2708	-17.7691	-20.0601	-18.9693	-20.5813	-27.5777	-27.759	-29.9501	-21.6722	-21.5166	-17.2319	-20.643	-17.1324	-16.9696	
40	7.8803511	8.068878	7.942238	7.713554	7.634832	7.398818	6.612813	5.526654	4.812535	3.873209	1.563174	-0.81943	-0.82334	-1.5198	-4.00355	-5.59595	-7.04534	-10.1192	-10.898	-10.3941	-12.775	-14.589	-15.1325	-17.3111	-20.3723	-18.045	-21.3318	-26.6091	-27.218	-28.9843	-23.245	-20.4867	-18.255	-20.5638	-16.4652		
45	7.8803511	8.085475	7.956578	7.781089	7.735749	7.484074	6.696163	5.601101	4.897232	3.721	1.210533	-0.65163	-1.21261	-3.38607	-5.37988	-6.89098	-8.5808	-10.5224	-13.9675	-17.7567	-17.8613	-16.302	-16.7444	-17.2708	-17.7691	-20.0601	-18.9693	-20.5813	-27.5777	-27.759	-29.9501	-21.6722	-21.5166	-17.2319	-20.643	-17.1324	-16.9696
50	7.8803511	8.095687	7.963428	7.833072	7.795273	7.530279	6.810497	5.813003	5.096780	4.05931	2.776815	0.295791	-1.6227	-3.53591	-5.36177	-6.92631	-8.62091	-10.7863	-15.037	-16.0409	-15.8469	-17.6551	-16.2999	-16.7678	-17.9499	-18.2568	-19.9947	-21.199	-21.2321	-19.3475	-22.5898	-20.5046	-21.6348	-19.4172	-15.712	-16.3006	
55	7.8803511	8.100295	7.962454	7.868592	7.813928	7.52531	6.91236	6.080964	5.36124	4.564057	3.133159	1.303534	-0.53684	-1.91374	-4.79643	-6.94817	-8.94817	-13.9434	-14.2871	-13.6625	-15.1714	-15.5524	-14.7991	-15.4944	-19.1293	-20.6926	-19.5113	-19.7408	-19.8807	-19.0791	-21.6664	-20.937	-23.2042	-18.9872	-15.7635	-16.2309	
60	7.8803511	8.099601	7.953479	7.888089	7.795945	7.460691	6.947575	6.133839	5.614778	4.59454	2.984406	1.444933	0.621589	-0.99788	-4.00003	-6.0015	-7.25684	-10.4258	-12.2352	-13.1177	-12.8194	-14.82	-14.2659	-16.7771	-24.3097	-22.2535	-18.9912	-19.2024	-20.1171	-19.6402	-20.9461	-21.2677	-23.824	-19.0017	-16.0999	-16.2321	
65	7.8803511	8.094099	7.936435	7.892605	7.748317	7.336938	6.873502	6.401711	5.772675	4.618628	2.717452	0.998049	0.363032	-0.90039	-3.14101	-4.26705	-5.25601	-6.7504	-8.78324	-9.9996	-12.9581	-15.0661	-14.7182	-16.339	-23.8699	-20.508	-18.6647	-19.5059	-21.9111	-20.7874	-20.4206	-21.206	-23.844	-19.6263	-16.7336	-16.2671	
70	7.8803511	8.088434	7.913137	7.883026	7.678912	7.16593	6.684676	6.289615	5.747467	4.646872	2.760595	0.893421	-0.06287	-1.48333	-3.39435	-4.07182	-5.5444	-7.54093	-8.49279	-9.7025	-13.7669	-14.6276	-15.0562	-20.5704	-21.1456	-19.9971	-18.531	-20.4368	-24.8351	-21.6339	-19.9527	-21.019	-24.0713	-21.0094	-17.6654	-16.3506	
75	7.8803511	8.070929	7.878181	7.859583	7.594062	6.96765	6.413781	6.006658	5.061744	4.547783	2.954884	1.321714	-0.18617	-1.64776	-3.88647	-4.9973	-5.8111	-8.5071	-9.7774	-10.9312	-13.7669	-14.6276	-15.0562	-20.5704	-21.1456	-19.9971	-18.531	-20.4368	-24.8351	-21.6339	-19.9527	-21.019	-24.0713	-21.0094	-17.6654	-16.3506	
80	7.8803511	8.054521	7.837191	7.821822	7.496768	6.761562	6.11851	5.648662	5.124803	4.272678	2.99521	1.795919	0.724849	-0.08249	-3.59584	-4.75871	-5.79777	-6.89999	-10.4908	-10.2659	-11.6012	-13.3008	-13.9292	-16.1262	-20.1431	-18.3536	-18.3967	-23.326	-25.3056	-20.9312	-19.2254	-21.139	-25.0256	-25.8046	-20.1978	-16.5814	
85	7.8803511	8.038283	7.788715	7.769076	7.38671	6.577735	5.84956	5.330706	4.744677	3.604287	2.720055	1.662664	0.75049	-0.94424	-3.36914	-4.63951	-5.78782	-8.70274	-10.3787	-10.1462	-14.1496	-14.7466	-16.1623	-19.2315	-17.8036	-18.7906	-22.8557	-23.5846	-20.5846	-19.2298	-21.4688	-23.9679	-26.0256	-21.3938	-16.7026		
90	7.8803511	8.015583	7.73345	7.701261	7.262406	6.354889	5.622691	5.110127	4.464399	3.484054	2.185179	1.060718	0.073597	-1.46304	-3.47225	-4.53838	-5.87003	-8.72671	-10.3969	-10.6249	-12.7417	-15.0575	-15.5015	-16.7991	-18.2017	-17.5969	-18.2871	-20.8819	-22.5633	-20.471	-19.4914	-21.6396	-22.068	-23.6507	-22.0548	-16.8143	
95	7.8803511	7.994581	7.67253	7.619695	7.124541	6.147296	5.420924	4.962152	4.283143	3.167269	1.690805	0.373036	-0.522883	-1.7407	-3.73373	-4.8582	-5.25309	-8.58055	-9.46293	-10.3165	-12.7427	-14.9462	-16.1623	-19.2315	-17.8036	-18.7906	-22.8557	-23.5846	-20.5846	-19.2298	-21.4688	-23.9679	-26.0256	-21.3938	-16.7026		
100	7.8803511	7.973186	7.607594	7.527585	6.978806	6.395858	5.222463	4.829216	4.131226	2.911872	1.382097	0.129263	-0.65512	-1.74127	-2.86647	-3.421	-4.64593	-6.78788	-8.28823	-9.27958	-11.7739	-13.7702	-14.5951	-16.9094	-19.6972	-20.7705	-18.8864	-20.1289	-22.2964	-21.1666	-20.5588	-21.0083	-19.6027	-20.2422	-21.5646	-16.9953	
105	7.8803511	7.953496	7.54077	7.429984	6.869787	5.734785	5.02006	4.679763	3.94915	2.633158	1.131085	0.08628	-0.59844	-1.9375	-3.38629	-4.31606	-5.41748	-7.31037	-8.84633	-9.74921	-11.7596	-14.333	-15.591	-16.9094	-19.6972	-20.7705	-18.8864	-20.1289	-22.2964	-21.1666	-20.5588	-21.0083	-19.6027	-20.2422	-21.5646	-16.9953	
110	7.8803511	7.93499	7.474586	7.353146	6.714233	5.706264	4.855348	4.52498	3.744054	2.310618	0.869897	0.03765	-0.6448	-2.31299	-2.02683	-4.79792	-5.88633	-8.46521	-9.9364	-10.6118	-13.0726	-16.0048	-17.4707	-20.4656	-25.629	-23.9073	-20.6441	-19.0722	-20.0177	-23.1718	-23.2474	-21.4897	-20.4461	-20.4329	-20.706	-17.1402	
115	7.8803511	7.918824	7.411805	7.243418	6.627049	5.473171	4.743373	4.393438	3.539225	2.04658	0.559189	-0.093765	-0.8088	-2.78485	-4.77114	-5.61854	-6.9933	-9.16088	-11.1093	-12.0582	-14.0476	-17.1781	-17.3693	-19.787	-23.2121	-23.9924	-21.1977	-18.898	-18.5447	-22.3096	-24.3071	-22.2829	-22.0401	-21.7626	-20.5018	-17.2714	
120	7.8803511	7.900636	7.355227	7.165993	6.586332	5.462919	4.711685	4.299138	3.39433	1.673465	0.050468	-0.75945	-1.70795	-3.68717	-5.83803	-6.96465	-7.01133	-9.61635	-11.6997	-13.1865	-15.594	-17.9262	-17.8252	-19.6935	-22.5212	-24.4381	-21.7192	-17.8871	-17.7514	-20.806	-23.7392	-22.8437	-23.1473	-22.6987	-20.5907	-17.3088	
125	7.8803511	7.89094	7.307493	7.103889	6.594491	5.542053	4.760431	4.237296	3.153919	1.271008	0.72399	-0.04016	-3.31325	-5.40116	-7.18105	-7.46356	-8.04877	-10.0722	-11.9647	-13.0005	-16.3551	-18.6452	-18.1479	-19.8377	-24.006	-25.8045	-22.7973	-18.6632	-17.8506	-19.9413	-22.3401	-22.729	-24.0865	-25.2226	-20.7161	-17.421	
130	7.8803511	7.880099	7.270918	7.075313	6.644207	5.93922	4.873006	4.201477	2.952271	0.829384	1.63034	-5.5532	-7.0753	-8.31532	-10.592	-12.3704	-14.0017	-15.9373	-17.6679	-17.6935	-20.506	-24.1669	-22.8826	-20.6908	-18.7369	-19.405											

Raw data – ANT1 (5.865GHz)

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	7.7175791	6.349393	5.574914	6.136399	5.494694	5.16604	5.327542	3.491829	1.525647	1.818177	0.682803	-0.45929	0.369121	-0.61456	-4.29295	-5.94551	-6.71132	-9.38263	-16.1848	-15.451	-13.269	-14.8913	-22.8606	-27.4894	-23.6832	-16.8282	-15.7391	-19.7235	-22.45	-25.003	-30.6886	-28.9635	-22.3151	-25.5131		
5	7.7175791	2.66284	5.680733	6.421808	5.550584	5.328933	5.731664	3.694507	2.048588	2.930609	1.552964	-0.01008	0.789215	-0.30993	-4.43729	-5.67465	-9.43364	-15.8548	-14.8364	-14.0408	-14.1841	-18.8751	-19.4277	-20.8729	-21.4571	-22.0881	-22.1923	-17.7162	-21.9944	-24.8101	-29.2048	-29.143	-22.4751	-25.8613		
10	7.7175791	6.19946	5.84292	6.747134	5.625228	5.462817	6.129415	4.12663	2.767454	3.647581	1.729315	-0.19561	0.900222	-0.44971	-4.85862	-6.66657	-6.46934	-9.87339	-15.9722	-15.0411	-14.2261	-14.4669	-17.688	-18.4056	-19.4731	-21.9384	-19.5967	-20.7507	-21.9467	-27.4128	-24.05	-25.8271	-27.8914	-27.7092	-23.39	-26.1304
15	7.7175791	6.50635	6.042143	7.084714	5.690495	5.499161	6.424856	4.481783	2.900695	3.584278	1.020065	-0.1095	0.660808	-0.98248	-1.07135	-1.27205	-1.57127	-1.51121	-1.60853	-1.5945	-1.5984	-17.4087	-19.4717	-18.984	-17.4087	-19.0881	-23.4031	-24.3836	-24.193	-27.4668	-26.9765	-26.047	-22.1139	-26.2881		
20	7.7175791	6.12899	6.255242	7.407197	5.727212	5.504088	6.550896	4.559632	2.643604	3.019851	0.055922	-1.86189	0.252636	-1.56769	-5.75085	-5.47008	-6.2637	-10.046	-14.8689	-13.914	-14.347	-17.1624	-22.8288	-22.2958	-22.858	-19.4741	-18.7162	-20.614	-20.5548	-20.303	-24.037	-27.4302	-26.1527	-24.7204	-21.7004	-26.318
25	7.7175791	6.10236	6.459975	7.691415	5.734295	5.518752	6.521048	4.372616	1.992902	2.449576	-0.45985	-2.70278	-2.11747	-6.07278	-5.50881	-6.36046	-10.1654	-15.5042	-13.9322	-14.1614	-17.0106	-20.2833	-22.9925	-25.4494	-19.4409	-18.7326	-20.3324	-22.3436	-18.9721	-19.7048	-25.0212	-24.6595	-25.3016	-23.7748	-21.2469	-26.2056
30	7.7175791	6.118103	6.637456	7.99438	5.727008	4.935479	6.44228	4.097177	1.513108	2.272814	-0.54652	-2.80895	-1.8012	-3.00265	-7.03945	-7.29299	-7.91454	-13.3771	-16.1547	-14.0306	-14.1345	-16.0474	-18.2023	-21.6661	-23.8311	-17.8897	-18.926	-20.3986	-19.0499	-22.2701	-25.5051	-21.785	-24.6472	-23.1392	-20.4394	-25.982
35	7.7175791	6.145861	6.73724	8.07797	5.72707	4.755991	6.361731	3.941254	1.55439	2.493012	-0.52208	-3.39601	-1.65493	-3.88924	-10.3686	-10.164	-16.4845	-18.257	-16.7326	-16.749	-19.749	-23.6001	-27.276	-20.243	-17.7701	-19.3088	-19.8641	-20.9735	-20.4977	-22.9031	-19.9551	-24.5252	-22.7307	-20.4561	-25.4672	
40	7.7175791	6.18553	6.860334	8.157355	5.751509	4.4746	6.400474	3.860074	1.901683	2.785042	-0.72651	-3.56023	-1.3463	-3.61927	-9.0922	-8.78898	-10.518	-17.5469	-19.6828	-17.4939	-18.4664	-17.247	-15.9215	-17.6724	-21.7603	-21.9025	-24.4179	-21.1423	-20.5235	-19.3431	-25.1837	-22.4742	-20.1732	-25.297		
45	7.7175791	6.242979	6.894576	8.151645	5.800607	4.931534	6.530022	4.141148	2.34585	3.030639	-1.21319	-3.94916	-0.89837	-2.8565	-6.20673	-5.3779	-6.9016	-11.3072	-14.5811	-12.4767	-11.4013	-13.5317	-16.1164	-17.4634	-16.3784	-18.2827	-25.0843	-26.1022	-24.1676	-24.0458	-20.0115	-20.008	-26.6549	-22.315	-19.972	-24.9083
50	7.7175791	6.314966	6.87396	8.057283	5.856524	5.265997	6.703391	4.296663	2.780018	3.451389	-1.10706	-5.09811	-1.39505	-3.35852	-5.15937	-3.84195	-5.0448	-10.7927	-10.973	-9.95481	-9.6039	-14.4297	-19.4188	-18.598	-17.3491	-18.2112	-26.0098	-24.7299	-20.9488	-22.8271	-21.6355	-21.94	-28.2875	-22.2312	-19.8441	-24.5178
55	7.7175791	6.400053	6.824523	7.857973	5.885719	5.640875	6.862913	4.352578	3.103816	4.06569	0.154072	-5.34769	-2.60943	-5.2848	-8.00285	-5.10419	-6.19177	-10.1243	-11.1512	-11.0397	-14.2346	-21.0232	-19.5859	-17.2118	-15.5238	-17.4263	-21.3139	-19.8836	-19.7735	-25.0962	-25.1125	-24.5001	-28.4702	-22.2433	-19.7747	-24.1469
60	7.7175791	6.499567	6.744258	7.616164	5.848851	5.9641	6.968284	4.295009	3.161305	4.979598	1.467666	-3.04761	-1.98854	-4.69038	-11.3297	-10.0185	-9.68589	-15.0706	-15.567	-16.2341	-19.6201	-19.3252	-19.6156	-18.534	-17.7207	-20.7039	-19.0515	-18.3354	-21.5536	-27.4606	-25.1228	-25.52	-27.3569	-22.3853	-19.7447	-23.809
65	7.7175791	6.600805	6.658569	7.296641	5.71431	6.127141	6.990877	4.215487	2.933055	4.420455	1.902359	-1.14883	-1.006	-2.13991	-8.0771	-9.06733	-8.62185	-12.7679	-19.041	-15.8778	-13.0547	-14.4038	-18.3899	-17.8405	-19.1607	-24.1977	-18.1635	-19.8282	-28.0845	-22.3756	-22.0308	-25.2116	-26.5537	-22.6616	-19.7352	-23.5143
70	7.7175791	6.72914	6.589755	6.94998	5.473681	6.077093	6.900393	4.232071	2.635644	3.836926	1.437023	-1.09075	0.437496	-1.33664	-5.67885	-5.58623	-8.93093	-12.5703	-12.0785	-10.2457	-14.5885	-18.9764	-18.248	-18.868	-19.5605	-17.6119	-23.1731	-25.0433	-18.9304	-21.1972	-25.9765	-26.4411	-23.0023	-19.733	-23.702	
75	7.7175791	6.857098	6.558966	6.623202	5.157765	5.794214	6.657084	4.342465	2.624117	3.214734	0.037703	-3.20153	-1.119	-2.9058	-6.41791	-5.30109	-5.76481	-13.3007	-9.94625	-11.5588	-16.745	-20.6908	-23.8064	-18.9427	-17.7093	-19.0429	-24.6509	-19.7258	-18.249	-23.4687	-27.1875	-26.3829	-23.2644	-19.7372	-23.0825	
80	7.7175791	6.990242	6.579944	6.370921	4.847164	5.313532	6.232244	4.396421	2.946591	3.161468	-0.04299	-5.29132	-5.56065	-10.758	-8.7343	-9.16369	-14.3863	-18.1566	-15.5065	-15.2675	-15.3056	-15.2698	-15.9669	-14.8966	-17.9365	-24.59	-21.5004	-18.2319	-20.2787	-28.862	-24.6806	-25.6942	-23.3316	-19.7646	-22.9556	
85	7.7175791	7.12531	6.657629	6.238181	4.658732	4.751323	5.602408	4.220434	3.197158	3.435909	0.101431	-2.83489	-2.81852	-3.37319	-8.2197	-9.15526	-8.12959	-10.4486	-15.0237	-13.3444	-11.7256	-12.7427	-15.134	-16.034	-16.1141	-20.9421	-18.935	-17.3107	-18.8541	-25.0309	-24.0038	-21.3291	-24.8788	-23.2496	-19.8488	-22.8918
90	7.7175791	7.258643	6.784182	6.239412	4.687273	4.310875	4.888527	3.74857	2.978715	3.29681	1.52297	-0.78169	-0.1037	-0.97578	-4.29668	-5.73888	-5.28858	-10.4766	-17.717	-13.5546	-12.5608	-15.1594	-17.4259	-21.1508	-17.7731	-14.2689	-16.0818	-21.2092	-23.8557	-19.4179	-19.7823	-24.9253	-23.2419	-20.0358	-22.8616	
95	7.7175791	7.386388	6.94258	6.349116	4.932333	4.188704	4.288297	3.109775	2.243551	2.485351	1.029771	-0.7093	-0.77023	-0.88558	-3.88044	-3.53911	-5.53684	-7.49652	-10.5209	-11.9659	-13.3248	-13.6169	-15.2326	-14.7344	-17.3324	-15.1006	-14.5531	-19.5433	-22.4942	-19.6028	-18.0645	-20.3151	-26.4536	-23.4649	-20.3772	-22.9517
100	7.7175791	7.504728	7.110925	6.513067	5.291466	4.398821	4.012513	2.625289	1.380715	1.369133	0.105141	-1.71387	-1.44321	-1.71387	-4.0951	-5.23091	-6.9551	-10.9549	-13.9643	-10.7719	-12.3119	-16.2172	-18.1175	-17.2647	-20.4662	-25.9703	-18.3642	-18.1128	-19.2121	-22.9509	-28.7966	-24.1577	-20.9229	-23.0647		
105	7.7175791	7.610109	7.267231	6.670557	5.628956	4.750019	4.053308	2.536015	0.997871	0.703338	-0.28996	-2.24691	-2.75111	-3.229	-5.48341	-7.49785	-7.14668	-9.98169	-11.2306	-13.3042	-11.2013	-10.8665	-15.0519	-22.112	-21.0298	-21.7021	-24.4333	-17.8013	-16.1093	-19.0115	-21.475	-23.6904	-26.7598	-25.3932	-21.7123	-23.2174
110	7.7175791	7.928819	7.392889	6.772323	5.841076	5.019777	4.184295	2.679614	1.158004	0.748193	0.031144	-1.78241	-1.52927	-3.98591	-5.65328	-7.38479	-7.92126	-10.84916	-16.0146	-12.1623	-13.6023	-15.0493	-17.8486	-16.3262	-16.7625	-19.7795	-19.8323	-16.6225	-17.6471	-20.7987	-19.1772	-19.1992	-22.5153	-27.0483	-22.7521	-23.901
115	7.7175791	7.77013	7.474396	6.788303	5.878176	5.086074	4.171415	2.606726	1.277008	0.86004	0.297613	-1.26947	-2.30035	-3.46255	-5.76836	-7.77733	-9.52963	-10.0303	-10.6468	-12.2047	-13.7453	-14.0587	-14.0179	-14.6251	-16.8583	-20.2417	-21.1033	-20.9328	-25.0426	-18.6054	-15.5773	-15.914	-19.5829	-28.0766	-23.9538	-23.5563
120	7.7175791	7.820389	7.503728	6.70228	5.741442	4.948744	3.981914	2.427713	0.890222	0.344679	-0.22198	-1.56468	-2.13143	-3.16085	-5.63341	-7.87259	-8.96066	-9.1046	-10.8922	-13.2046	-13.7455	-14.6594	-16.2019	-16.8583	-20.929	-20.7929	-19.2578	-21.1387	-22.7733	-15.8753	-13.9956	-14.4359	-17.8336	-26.6503	-25.0035	-23.689
125	7.7175791	7.859502	7.477961	6.539534	5.474301	4.705183	3.773389	2.074535	0.061728	0.95416	-1.66045	-2.81786	-3.99291	-5.08719	-6.51408	-7.91615	-8.2386	-8.71376	-10.2103	-12.8265	-14.6419	-17.1134	-16.2681	-16.4047	-16.4754	-18.3188	-17.0538	-17.1611	-18.037	-15.8688	-14.6124	-14.3803	-16.8098	-23.5233	-23.5243	-23.749
130	7.7175791	7.845564	7.398594	6.30036	5.152402	4.494225	3.766998	2.07074	-0.46623	-2.20083	-2.94529	-3.82338	-5.16889	-6.46084	-7.98458	-8.5741	-9.35282	-10.5311	-12.2552	-14.4144	-16.8419	-18.4856	-14.2401	-14.8553	-15.9326	-19.3126	-19.0218	-18.0061	-19.5738	-20.0766	-17.8424	-15.3547	-16.0854	-21.0234	-24.6702	-23.7783
135	7.7175791	7.840532	7.270794	6.04056																																

Raw data – ANT1 (5.895GHz)

Time/Phi	0	1	2	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	7.633093	5.2175	5.72653	6.217598	5.30761	4.921861	5.13471	3.3246	1.60623	4.01575	1.80721	-0.51769	0.15978	0.92027	-0.88911	-0.78288	-6.1302	-10.857	-17.8974	-16.1651	-14.2025	-15.4477	-23.2348	-26.1055	-29.7518	-19.1452	-19.2216	-23.35	14.33	14.35	-17.7651	-21.6555	-23.1872	-25.3632	-28.6835	-29.8571	-23.385	-24.7579
5	7.633093	6.132089	5.826342	6.465374	5.346459	5.138339	5.57139	3.55596	2.11008	2.98921	1.55678	-0.21975	0.39143	0.92616	-5.14126	-6.84832	-8.9081	-10.3452	-16.8841	-15.4478	-15.4854	-16.3767	-20.9855	-20.8092	-21.7981	-23.6023	-22.1002	-24.936	-19.7233	-24.7307	-25.0809	-26.1773	-27.3245	-28.2689	-23.1465	-25.0349		
10	7.633093	6.058792	5.924614	6.257621	5.467561	5.339313	5.61759	3.69596	2.60704	3.94102	1.64465	-0.4167	0.39034	1.1604	-6.0424	-7.92533	-7.8051	-10.8776	-16.5045	-15.5049	-16.2322	-17.1602	-22.9652	-20.1309	-19.893	-21.9522	-20.4477	-24.821	-19.7276	-27.8148	-27.2748	-28.2803	-28.3353	-29.7605	-26.1671	-22.6656	-29.2299	
15	7.633093	5.995992	6.128871	7.05855	5.521187	5.444135	6.361116	4.28056	3.16124	3.65544	1.127645	-0.88192	0.36721	1.47272	-6.6617	-7.73957	-7.7549	-11.8334	-18.7026	-15.928	-15.5048	-17.9313	-21.9109	-21.7219	-20.671	-21.9327	-18.8266	-18.7596	-20.205	-20.802	-23.9393	-20.8281	-26.404	-25.3833	-22.0706	-25.3345		
20	7.633093	5.955532	6.204873	7.348695	5.561272	5.400135	6.548025	4.31958	2.20843	2.94513	1.026731	-1.34223	0.19426	1.73399	-6.61252	-6.9184	-7.1045	-11.9372	-17.1447	-15.7968	-15.3001	-17.6687	-22.5106	-22.1217	-23.6617	-18.9655	-19.3145	-21.2017	-20.7734	-21.7479	-27.1751	-27.8843	-29.062	-24.5712	-21.473	-25.305		
25	7.633093	5.927047	6.017452	7.608257	5.550226	5.240229	6.602086	4.22878	1.71374	2.65825	0.266634	-1.84863	0.33232	2.28053	-7.1128	-6.65899	-7.1091	-12.2921	-16.7681	-14.6453	-15.2074	-17.797	-21.519	-21.7232	-26.1229	-19.6968	-20.2832	-22.9227	-22.1999	-25.8551	-24.9038	-25.23	-24.020	-29.0421	-25.2915			
30	7.633093	5.914129	6.412258	7.816743	5.531415	5.033292	6.958729	4.21218	1.48882	2.636808	0.07061	-2.67542	-1.2835	3.33891	-9.06128	-8.3422	-8.4005	-13.7264	-16.8367	-14.5624	-16.2866	-17.8359	-23.3259	-22.5513	-20.7189	-17.867	-20.3519	-21.8644	-27.9226	-24.8643	-21.3318	-22.715	-24.9328	-23.6704	-20.5113	-21.7818		
35	7.633093	5.91626	6.71374	7.960155	5.50805	4.89107	6.615222	4.14178	1.64063	2.808708	-0.0999	-3.43701	-1.3947	4.43743	-1.3612	-10.012	-10.404	-16.3485	-17.989	-16.3977	-17.1875	-20.4931	-23.4332	-26.5305	-23.3468	-18.5634	-21.2607	-21.8614	-20.763	-25.26	-26.4888	-24.4843	-24.286	-23.7488	-20.1909	-25.0331		
40	7.633093	5.93935	6.767802	8.03104	5.50685	4.81022	6.679486	4.28239	1.99557	2.98236	-0.3171	-3.3888	-1.358	3.92473	-1.8625	-8.61916	-10.34	-16.418	-17.586	-14.813	-16.817	-18.629	-20.4931	-23.4332	-26.5305	-23.3468	-18.5634	-21.2607	-21.8614	-20.763	-25.26	-26.4888	-24.4843	-24.286	-23.7488	-20.1909	-25.0331	
45	7.633093	5.966147	6.7704	8.03294	5.53845	4.921861	6.76972	4.31236	2.93224	3.1719	0.7811	-3.06246	-0.4428	2.71193	-6.8888	-5.84859	-7.7745	-12.7125	-15.339	-13.6486	-12.942	-13.9034	-16.4115	-20.393	-21.7312	-18.4766	-17.9809	-21.3107	-20.768	-23.0062	-23.6026	-23.5901	-21.9914	-24.8074	-19.8616	-24.7289		
50	7.633093	6.01308	6.72301	7.98285	5.59235	5.16307	6.840628	4.49689	2.75595	3.56409	-0.6208	-3.9174	-0.5128	2.78183	-6.60021	-4.9157	-5.1157	-8.9431	-12.2392	-10.9889	-11.153	-14.304	-18.6811	-19.739	-18.384	-17.6868	-22.4928	-20.0065	-21.075	-22.5717	-25.9721	-24.1407	-25.3385	-23.7469	-19.8349	-24.5949		
55	7.633093	6.07467	6.75364	7.75488	5.64519	5.47638	6.8026	4.45217	3.03826	4.11932	0.32087	-4.12	-1.57663	4.16464	-7.72505	-6.10059	-6.00999	-10.6427	-17.1156	-10.9581	-13.312	-15.1525	-19.9551	-19.1794	-16.4396	-17.2103	-21.8151	-21.6706	-19.4228	-23.829	-23.0263	-25.9693	-25.1649	-19.847	-20.5049			
60	7.633093	6.15129	6.8224	7.633093	5.68144	5.36144	6.8026	4.45217	3.03826	4.11932	0.32087	-4.12	-1.57663	4.16464	-7.72505	-6.10059	-6.00999	-10.6427	-17.1156	-10.9581	-13.312	-15.1525	-19.9551	-19.1794	-16.4396	-17.2103	-21.8151	-21.6706	-19.4228	-23.829	-23.0263	-25.9693	-25.1649	-19.847	-20.5049			
65	7.633093	6.21847	6.83381	7.19675	5.58589	5.0999	6.58903	4.28128	2.94353	3.71676	1.95623	-1.4363	-0.407	2.7085	-9.2033	-9.1647	-8.9082	-13.6248	-16.2428	-17.1165	-15.0225	-19.8589	-19.3183	-21.9374	-20.671	-21.9374	-18.8266	-18.7596	-20.205	-20.802	-23.9393	-20.8281	-26.404	-25.3833	-22.0706	-25.3345		
70	7.633093	6.346106	6.26278	6.88785	5.43834	5.985675	6.71419	4.010825	2.52527	3.97254	1.450187	-1.07076	0.41045	1.50486	-6.9704	-6.28469	-6.16709	-12.7222	-13.6631	-11.3077	-10.91	-14.511	-20.0767	-19.5065	-19.5065	-23.3468	-21.2607	-21.8614	-20.763	-25.26	-26.4888	-24.4843	-24.286	-23.7488	-20.1909	-25.0331		
75	7.633093	6.46234	6.17499	6.518603	5.1807	5.86387	6.53887	4.00959	2.37681	3.71273	0.33763	-2.76586	-0.37659	1.9232	-2.0952	-2.5147	-5.5521	-8.2438	-12.008	-10.2672	-11.778	-15.5654	-20.069	-23.493	-19.935	-23.955	-17.5887	-22.129	-23.649	-18.9353	-23.364	-20.0641	-23.4215	-24.6848	-20.1626	-25.314		
80	7.633093	6.58862	6.18329	6.20856	4.96275	4.74673	6.23884	4.18197	2.55905	2.95882	-0.0492	-0.5435	-2.21305	4.0378	-7.59105	-7.50935	-12.2148	-16.0747	-13.728	-13.9555	-15.1935	-16.2134	-17.7332	-16.2134	-17.0631	-20.9092	-20.4302	-19.7199	-20.7104	-26.2498	-26.1942	-27.4988	-23.8455	-20.298	-24.6835			
85	7.633093	6.72161	6.14073	6.160723	4.92346	4.71474	6.98261	4.70056	4.04759	2.70535	1.38021	-0.758275	-2.7558	-1.8732	-3.3163	-8.3229	-9.74739	-8.0576	-9.96	-14.764	-13.4183	-12.3613	-12.9018	-15.8277	-16.3691	-16.8555	-14.9888	-16.0716	-24.9418	-26.9689	-23.1523	-25.1055	-21.654	-24.5647	-23.3925	-20.5088	-24.9	
90	7.633093	6.858285	6.245938	5.95929	4.27601	4.86015	5.07286	3.63774	2.66358	1.01734	1.55604	-0.9184	-0.4867	1.4576	-5.00521	-6.27162	-5.80077	-8.107	-10.7434	-13.1376	-10.7434	-13.0827	-17.1927	-19.1434	-20.5895	-18.8495	-15.5511	-16.3905	-19.391	-23.4838	-20.1563	-25.6926	-22.9828	-20.8424	-25.1893			
95	7.633093	6.99437	6.3761	5.98071	4.82614	4.55621	4.67036	3.13782	2.04331	3.23277	1.043635	-0.6742	-0.73948	-1.3072	-3.9685	-5.92222	-5.45929	-9.2925	-10.9571	-10.9571	-10.9571	-10.9571	-10.9571	-10.9571	-10.9571	-10.9571	-10.9571	-10.9571	-10.9571	-10.9571	-10.9571	-10.9571	-10.9571	-10.9571	-10.9571	-10.9571		
100	7.633093	7.12602	6.55452	6.00605	4.66545	4.39607	4.09326	2.65103	2.76139	1.29452	0.20899	-1.51467	-1.54004	-1.54004	-1.54004	-1.54004	-1.54004	-1.54004	-1.54004	-1.54004	-1.54004	-1.54004	-1.54004	-1.54004	-1.54004	-1.54004	-1.54004	-1.54004	-1.54004	-1.54004	-1.54004	-1.54004	-1.54004	-1.54004	-1.54004	-1.54004		
105	7.633093	7.24951	6.60869	6.21244	4.35561	4.35561	4.35561	4.35561	4.35561	4.35561	4.35561	4.35561	4.35561	4.35561	4.35561	4.35561	4.35561	4.35561	4.35561	4.35561	4.35561	4.35561	4.35561	4.35561	4.35561	4.35561	4.35561	4.35561	4.35561	4.35561	4.35561	4.35561	4.35561	4.35561	4.35561	4.35561		
110	7.633093	7.36089	6.81979	6.30922	5.52216	4.72403	3.90886	2.94674	1.00988	0.57841	-0.1828	-0.2097	-0.40888	-4.3522	-5.99303	-7.69764	-8.2258	-8.1871	-11.226	-12.9886	-13.4544	-14.7246	-17.4148	-18.4467	-17.3627	-17.9919	-23.5885	-17.9693	-18.111	-19.1432	-22.2291	-25.1204	-23.302	-22.0964	-25.9886			
115	7.633093	7.45754	6.99279	6.31808	5.57169	4.70374	3.80816	2.45585	1.16848	0.68623	-0.1239	-0.2065	-0.4088	-4.3522	-5.99303	-7.69764	-8.2258	-8.1871	-11.226	-12.9886	-13.4544	-14.7246	-17.4148	-18.4467	-17.3627	-17.9919	-23.5885	-17.9693	-18.111	-19.1432	-22.2291	-25.1204	-23.302	-22.0964	-25.9886			
120	7.633093	7.53777	7.04379	6.32616	5.53555	4.64458	3.706125	2.22332	0.95759	0.33342	-0.59915	-2.4035	-4.2194	-5.43248	-6.6987	-6.1642	-6.95699	-6.1041	-11.5578	-13.9038	-14.6257	-17.2841	-17.5018	-20.0735	-23.846	-23.846	-23.846	-23.846	-23.846	-23.846	-23.846	-23.846	-23.846	-23.846	-23.846			
125	7.633093	7.59772	7.082948	6.23734	5.33635	4.51136	3.45326	1.82236	1.03075	0.63347	-1.75317	-3.39575	-4.8811	-5.9164	-7.1073	-8.56577	-9.1186	-8.6053	-11.3084	-13.5336	-16.7801	-18.915	-17.808	-20.387	-26.1027	-20.1417	-19.7512	-17.087	-18.2402	-17.6682	-16.8483	-16.9888	-16.5453	-25.0031	-23.1815	-28.948		
130	7.633093	7.63862	7.00832	6.08978	5.15342	4.40839	3.53393	1.777812	0.99139	-1.8021	-2.94627	-4.72924	-5.8608	-7.39096	-8.59286	-9.40715	-10.2556	-11.1168	-13.1049	-14.8718	-16.7317	-16.5119	-16.5119	-16.5119	-16.5119	-16.5119	-16.5119	-16.5119	-16.5119	-16.5119	-16.5119	-16.5119	-16.5119	-16.5119	-16.5119	-16.5119		
135	7.633093	7.69942	7.00166	5.10051	4.54249	4.56363	3.876527	2.13419	-0.42555	-2.3102	-1.8978	-3.4215	-5.3215	-6.8211	-9.0192	-9.9948	-11.607	-13.6725	-14.8603	-16.1102	-17.5565	-18.8004	-16.5992	-21.1268	-2													

Raw data – ANT2 (5.15GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	
0	8.5340472	8.372268	8.027368	7.429598	6.66059	5.952664	5.054231	3.735589	2.507382	1.560368	-0.01864	-2.378	-4.3771	-6.26776	-9.278	-12.159	-13.9314	-15.4337	-18.8347	-20.7753	-20.0143	-20.1422	-23.1726	-25.8225	-24.8259	-23.3101	-26.2718	-35.7195	-30.315	-24.9084	-25.1848	-33.6791	-25.4278	-22.6154	-22.6913	-21.2112	
5	8.5340472	8.32259	8.01445	7.449259	6.727865	6.015201	5.090283	3.7773	2.518775	1.487555	-0.14699	-2.64581	-4.93879	-7.1411	-10.2619	-13.1366	-14.8048	-17.4027	-20.5391	-21.8607	-20.8693	-20.3443	-22.4383	-25.498	-25.4333	-23.7123	-26.5382	-32.939	-29.5179	-24.9031	-25.6838	-30.371	-25.2244	-23.1848	-22.971	-21.6443	
10	8.5340472	8.23317	8.016118	7.489867	6.822387	6.115326	5.170668	3.861539	2.571282	1.449127	-0.25425	-2.88126	-5.54668	-7.99068	-11.2016	-14.4625	-16.7744	-19.0744	-20.4813	-21.2575	-22.9736	-22.9736	-24.2578	-25.4127	-26.7617	-25.9556	-27.3069	-28.1863	-26.994	-24.8433	-26.1281	-27.8481	-25.2076	-23.8167	-23.2041	-22.1613	
15	8.5340472	8.329101	8.029336	7.543003	6.93027	6.235516	5.277883	3.978026	2.679804	1.494166	-0.2727	-3.0074	-5.93396	-8.56856	-11.9119	-15.4519	-17.5841	-19.9145	-20.707	-21.1322	-23.106	-24.8489	-23.6217	-24.5077	-26.4827	-29.8998	-28.6635	-26.0274	-25.1737	-24.8357	-26.563	-26.5346	-25.4982	-24.2688	-23.3179	-22.6448	
20	8.5340472	8.33945	8.050589	7.60012	7.036541	6.357115	5.391266	4.105057	2.823073	1.634937	-0.17027	-2.9293	-6.08188	-8.84463	-12.1015	-15.4549	-17.3739	-20.0142	-20.2076	-21.2575	-22.9736	-26.4837	-25.1351	-26.3625	-26.1491	-28.9293	-28.5853	-25.3775	-24.5696	-25.3199	-27.4552	-26.3346	-26.0831	-24.3042	-23.2591	-23.1654	
25	8.5340472	8.35377	8.076315	7.652379	7.127784	6.464998	5.494901	4.217733	2.9832	1.818518	-0.01671	-2.82327	-6.10469	-8.99558	-12.3103	-15.6671	-17.6215	-20.6131	-21.4883	-22.5501	-26.6573	-27.4285	-25.6233	-25.7212	-26.512	-26.6275	-24.5893	-24.1958	-26.0526	-28.9123	-27.0683	-26.6665	-23.7465	-23.029	-23.6399		
30	8.5340472	8.371419	8.103291	7.692591	7.198633	6.549961	5.582456	4.299857	3.075705	1.941062	-0.17005	-2.67794	-6.0919	-8.28583	-12.3105	-15.7328	-19.2009	-21.072	-22.6139	-21.6581	-23.4895	-25.5105	-26.4211	-25.2269	-24.9739	-26.312	-25.979	-23.7022	-23.4864	-26.3296	-30.2852	-28.3725	-26.6584	-22.8087	-22.6829	-22.6769	
35	8.5340472	8.391751	8.128925	7.715724	7.228544	6.607809	5.652216	4.351328	3.072691	1.90092	-0.139253	-2.71022	-6.31835	-8.8931	-14.1364	-20.1955	-22.6978	-22.5462	-22.0195	-21.5927	-22.4354	-23.8965	-24.0884	-24.2857	-25.3323	-27.8739	-26.9371	-23.294	-22.8416	-26.1732	-30.671	-29.3592	-25.7757	-21.8042	-22.3007	-24.771	
40	8.5340472	8.414156	8.151444	7.719248	7.229218	6.636154	5.714067	4.383732	2.980203	1.65239	-0.18749	-3.03955	-6.27738	-10.6725	-15.5864	-22.8749	-25.1131	-22.7805	-21.7513	-22.4949	-23.8489	-23.372	-22.419	-23.8136	-25.7637	-22.419	-23.7359	-27.2833	-22.817	-22.3164	-25.8402	-29.8736	-28.8833	-24.4634	-20.9515	-21.954	-25.2875
45	8.5340472	8.438901	8.169966	7.703165	7.196296	6.631492	5.751339	4.405491	2.845199	1.241219	-0.82655	-3.7206	-7.22775	-11.159	-16.8231	-24.7575	-25.1744	-22.8852	-22.2566	-23.1613	-24.1068	-23.4504	-21.592	-22.0636	-26.7796	-29.7573	-25.5247	-21.8909	-21.686	-25.0684	-28.0918	-27.1614	-23.2361	-20.3481	-21.6881	-25.7645	
50	8.5340472	8.463088	8.184466	7.669809	7.132801	6.589031	5.749969	4.409463	2.729126	0.817238	-1.63422	-4.74478	-7.9669	-11.156	-17.8947	-26.4861	-26.0233	-23.4585	-23.1356	-26.1655	-21.1955	-21.6708	-20.0903	-20.4081	-25.5977	-26.0849	-23.696	-21.1055	-21.1586	-23.9767	-25.9757	-25.2215	-22.9298	-20.0125	-21.5191	-26.1846	
55	8.5340472	8.488577	8.195657	7.62346	7.044366	6.508553	5.692078	4.375778	2.670929	0.584082	-2.24808	-5.86896	-9.18023	-12.6854	-21.1048	-30.4776	-24.7728	-28.2847	-22.892	-18.9907	-18.8807	-19.7212	-19.4417	-19.7287	-21.7133	-23.6286	-22.3528	-20.7002	-20.9658	-23.0845	-24.2247	-23.5698	-21.6215	-19.9106	-21.4354	-26.5266	
60	8.5340472	8.514825	8.204802	7.569798	6.939368	6.385479	5.571358	4.287468	2.665118	0.654077	-2.24023	-6.36794	-10.5851	-14.4951	-22.497	-19.7672	-17.4562	-18.0944	-18.1444	-16.3766	-16.8128	-18.5194	-19.1278	-19.1202	-19.9233	-21.4161	-21.049	-20.2942	-20.8546	-22.5236	-23.0706	-22.3097	-21.1141	-19.9629	-21.4021	-26.7618	
65	8.5340472	8.541028	8.213487	7.515207	6.828611	6.240673	5.401343	4.145357	2.669596	0.973416	-1.60297	-5.56426	-10.6684	-15.5891	-18.9188	-15.9753	-14.4673	-14.7265	-14.5152	-14.3714	-15.9338	-18.0043	-18.6037	-17.8754	-17.9822	-19.4762	-19.869	-19.6917	-20.4216	-22.0386	-22.4085	-21.3909	-20.6303	-20.0461	-21.3688	-26.8792	
70	8.5340472	8.567189	8.223383	7.465981	6.724094	6.092112	5.214789	3.974327	2.636126	1.216207	-0.80921	-4.70147	-8.35245	-12.3098	-18.7777	-14.0228	-13.6585	-13.2453	-13.2453	-13.2453	-17.8915	-17.7174	-16.5798	-16.8555	-18.635	-19.316	-19.1708	-19.7144	-21.4033	-21.9918	-20.7035	-20.0587	-20.0194	-21.2827	-26.871		
75	8.5340472	8.593155	8.236026	7.427533	6.636095	5.962645	5.053514	3.821909	2.555943	1.316209	-0.34433	-2.85562	-6.06246	-9.23009	-11.2379	-11.6958	-12.2521	-13.3472	-13.1279	-13.2528	-15.467	-17.304	-16.9702	-15.8716	-16.7663	-19.0921	-19.5888	-18.8778	-19.0001	-20.6624	-21.5793	-20.1316	-19.3757	-19.7895	-21.1086	-26.7498	
80	8.5340472	8.618778	8.252643	7.403767	6.574995	5.869566	4.915323	3.744846	2.495727	1.245264	-0.37977	-2.63889	-5.26666	-7.90038	-10.1127	-11.1289	-11.8169	-13.2789	-13.8279	-13.9555	-15.7137	-17.6455	-17.1889	-16.0931	-17.3682	-20.1852	-20.3067	-18.5707	-18.3538	-19.9868	-21.0618	-19.6036	-18.6507	-19.3697	-20.8434	-26.5405	
85	8.5340472	8.643906	8.27403	7.39674	6.541808	5.819087	4.918849	3.774106	2.556162	1.201972	-0.67852	-3.20228	-5.8426	-8.35359	-10.8811	-12.457	-13.1092	-14.5081	-15.4977	-15.9144	-17.3721	-19.3883	-19.6005	-17.3367	-18.2406	-20.6687	-18.0275	-17.7959	-19.5027	-20.4792	-19.1202	-17.9954	-18.8638	-20.5157	-26.275		
90	8.5340472	8.668368	8.300033	7.406673	6.536384	5.826024	5.037042	3.78795	2.731049	1.337488	-0.80513	-2.83028	-4.90048	-8.43134	-11.8254	-13.2398	-13.6911	-14.5801	-15.9053	-17.7032	-18.9566	-20.3028	-19.3605	-19.2645	-19.2584	-20.7211	-20.5631	-17.4618	-17.4653	-19.2605	-19.9277	-18.7404	-17.5103	-18.3943	-20.1709	-26.2861	
95	8.5340472	8.69196	8.331033	7.432253	6.546488	5.819592	4.972014	3.797866	2.925296	1.560289	-0.65309	-3.89997	-7.82527	-9.60642	-11.8996	-12.9215	-14.0468	-16.7784	-17.0346	-18.6517	-20.363	-21.2273	-20.8956	-20.3357	-21.2352	-20.513	-17.728	-17.5998	-19.2263	-19.4862	-18.5465	-17.2636	-18.05	-19.8537	-20.7528		
100	8.5340472	8.714447	8.362154	7.471099	6.591302	5.849489	4.969292	3.833373	2.95961	1.629874	-0.47054	-3.47875	-6.54349	-8.49209	-10.5836	-12.5893	-13.8804	-16.8537	-18.9903	-21.3168	-21.8622	-22.9483	-21.3168	-21.8622	-22.9483	-21.3168	-21.8622	-22.9483	-21.3168	-21.8622	-22.9483	-21.3168	-21.8622	-22.9483	-21.3168	-21.8622	
105	8.5340472	8.735562	8.40684	7.50225	6.640723	5.889539	5.005063	4.067521	2.812159	1.560289	-0.4461	-3.98542	-7.50053	-7.40425	-9.80006	-10.8583	-12.8437	-14.4398	-14.9156	-16.5601	-22.599	-22.599	-22.599	-22.599	-22.599	-22.599	-22.599	-22.599	-22.599	-22.599	-22.599	-22.599	-22.599	-22.599	-22.599	-22.599	
110	8.5340472	8.755906	8.448322	7.567437	6.697782	5.937803	5.015737	3.850739	2.578777	1.712227	-0.58731	-2.73823	-4.90331	-7.02494	-9.1477	-10.9656	-12.6459	-14.3504	-14.7647	-14.7647	-14.7647	-14.7647	-14.7647	-14.7647	-14.7647	-14.7647	-14.7647	-14.7647	-14.7647	-14.7647	-14.7647	-14.7647	-14.7647	-14.7647	-14.7647	-14.7647	
115	8.5340472	8.772465	8.490786	7.636606	6.757586	5.993229	5.051771	3.815945	2.428371	0.940931	-0.74941	-2.70563	-4.79678	-6.9134	-9.26831	-11.4877	-13.7758	-16.8612	-16.7157	-15.465	-15.6372	-18.2635	-20.58	-22.111	-22.5131	-20.5164	-19.0855	-19.1749	-19.4238	-19.6726	-20.7456	-18.8352	-18.2487	-19.3132	-20.0776		
120	8.5340472	8.787615	8.532869	7.697851	6.815362	6.051081	5.122029	3.889345	2.486808	0.92849	-0.67871	-2.54824	-4.5138	-6.47957	-8.4181	-10.067	-12.4748	-16.0322	-19.4004	-20.8375	-16.9118	-16.4043	-18.6297	-20.7829	-22.3715	-21.6123	-21.006	-19.6888	-19.4563	-19.7519	-20.2746	-21.9375	-19.5235	-18.5161	-19.3731	-24.9933	
125	8.5340472	8.801335	8.573202	7.757668	6.866622	6.102053	5.211167	4.050145	2.73685	1.326247	-0.27008	-2.40045	-3.84466	-5.62584	-7.21501	-8.53502	-10.9058	-13.2142	-22.6179	-22.6179	-22.6179	-22.6179	-22.6179	-22.6179	-22.6179	-22.6179	-22.6179	-22.6179	-22.6179	-22.6179	-22.6179	-22.6179	-22.6179	-22.6179	-22.6179		
130	8.5340472	8.809727	8.610467	7.814001	6.907705	6.134711	5.287422	4.223913	3.039686	1.76529	-0.295962	-1.35495	-3.06802	-4.84976	-6.53943	-8.10408	-15.3098	-22.1582	-23.693	-22.6907	-18.8099	-20.7832	-23.1356	-22.2584	-20.6268	-21.5486	-20.5112	-20.5459	-21.1981	-21.8859	-23.5723						

Raw data – ANT2 (5.20GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	
0	8.1942971	8.019846	7.789807	7.303794	6.691331	6.107598	5.213246	3.834145	2.631806	1.780651	0.25876	-2.03008	-3.99914	-6.10264	-9.52374	-12.2899	-13.3859	-15.7967	-18.9472	-20.2413	-20.5718	-20.7904	-22.5386	-25.1476	-26.0578	-23.1653	-25.4563	-32.2073	-31.4032	-25.2716	-24.9719	-28.3719	-24.1179	-22.0516	-22.5868	-22.9981	
5	8.1942971	8.016035	7.774998	7.311122	6.764691	6.154787	5.214594	3.835825	2.602927	1.661958	0.07348	-2.38881	-4.7089	-7.21741	-10.9027	-13.7111	-14.9832	-18.1366	-20.4639	-20.7105	-21.11	-21.3575	-22.0022	-24.5573	-26.9393	-24.427	-25.4236	-27.8404	-28.503	-24.7794	-25.0691	-26.5877	-24.0738	-22.6363	-22.7399	-23.7185	
10	8.1942971	8.007109	7.775785	7.379156	6.860974	6.253032	5.250186	3.808736	2.606042	1.554725	-0.14622	-2.82142	-5.18048	-7.83189	-12.2853	-15.4134	-16.4649	-19.7363	-20.7825	-20.7424	-22.1166	-22.6619	-22.4612	-24.6663	-26.6013	-24.4265	-25.4236	-27.8404	-28.503	-25.0691	-26.5877	-24.0738	-22.6363	-22.7399	-23.7185		
15	8.1942971	8.008892	7.77888	7.493587	6.956882	6.332926	5.315702	3.940214	2.609917	1.510474	-0.34484	-3.25258	-5.63335	-8.35722	-13.2508	-16.5881	-18.5887	-22.4464	-23.0599	-23.0281	-23.2414	-24.4458	-23.0939	-24.4263	-26.5322	-28.7431	-24.6307	-24.1267	-24.2333	-25.3311	-24.5498	-26.6084	-23.3489	-22.4967	-25.241		
20	8.1942971	8.015429	7.810478	7.503029	7.070494	6.433453	5.401723	4.042922	2.714451	1.5409	-0.46547	-3.71767	-6.22721	-10.2775	-13.8011	-16.4161	-18.384	-22.4588	-22.422	-21.3756	-22.7714	-24.1754	-23.7531	-24.3736	-26.3302	-28.7501	-24.3333	-24.5479	-25.1177	-22.9287	-22.1032	-26.018	-23.0287	-22.052	-26.018		
25	8.1942971	8.020048	7.835511	7.560276	7.166559	6.531866	5.495325	4.154429	2.85688	1.631516	-0.56417	-4.00941	-6.54722	-10.6884	-14.0435	-16.3363	-17.5458	-22.3106	-21.7138	-20.6029	-21.5735	-22.0174	-24.6611	-23.7451	-25.8026	-25.7336	-24.622	-23.364	-24.52	-26.4229	-25.1003	-25.5241	-21.9904	-21.4262	-26.7219		
30	8.1942971	8.040019	7.861323	7.603404	7.23307	6.614518	5.589353	4.256667	2.998703	1.666003	-0.58842	-4.14616	-6.79892	-10.614	-14.0085	-17.5185	-18.2703	-23.2643	-23.8105	-22.17	-24.596	-30.3253	-27.2969	-24.6356	-25.8385	-25.7636	-26.3006	-23.8871	-23.2218	-24.5023	-26.9376	-25.8036	-25.1628	-20.861	-20.795	-27.9648	
35	8.1942971	8.055762	7.884377	7.626568	7.267145	6.674515	5.678719	4.34086	3.022992	1.628925	-0.61141	-4.23148	-6.9578	-10.8998	-14.3486	-19.0821	-19.2171	-23.4575	-24.416	-22.0422	-24.0226	-26.15	-24.426	-23.1098	-24.913	-27.6758	-27.8428	-24.3849	-22.9754	-24.3569	-26.8295	-25.95	-24.084	-19.8255	-20.2344	-27.3648	
40	8.1942971	8.075144	7.903425	7.626435	7.264588	6.706445	5.758498	4.409754	2.971013	1.446409	-0.83169	-4.36194	-6.82591	-12.1089	-16.4008	-23.6633	-23.5511	-23.249	-22.6424	-22.2626	-23.7776	-24.4903	-22.7275	-21.9974	-24.3386	-28.5942	-27.6638	-24.2721	-22.7858	-24.1639	-25.9891	-25.1327	-22.7937	-19.036	-19.8081	-28.2831	
45	8.1942971	8.095016	7.91422	7.6023	7.225414	6.704626	5.817998	4.466654	2.867203	1.10258	-1.27031	-6.66966	-8.93865	-13.7086	-16.6817	-24.2489	-21.1501	-20.6484	-20.4513	-22.0713	-24.2988	-24.346	-21.4621	-20.3644	-22.6482	-24.8863	-25.5682	-24.8251	-22.9379	-23.3105	-23.7182	-24.6664	-23.746	-21.688	-18.5519	-19.5493	-28.5119
50	8.1942971	8.115732	7.919508	7.555937	7.180688	6.663118	5.840024	4.506687	2.762475	0.670143	-1.99413	-5.36929	-9.3433	-14.8718	-25.7624	-20.917	-19.5346	-19.5213	-19.2723	-20.1065	-21.5143	-22.4975	-20.1596	-18.9248	-20.3476	-22.5701	-22.4417	-21.5361	-21.6698	-22.9395	-23.1955	-22.3066	-20.8856	-18.3814	-19.4675	-25.8758	
55	8.1942971	8.136912	7.918934	7.491261	7.046081	6.578066	5.806485	4.515822	2.714572	0.344789	-2.80106	-6.54574	-9.2333	-15.6172	-25.4382	-18.4704	-18.1214	-19.6385	-19.7259	-20.6368	-21.7348	-22.1632	-18.9045	-18.464	-19.457	-20.7837	-20.8267	-20.6034	-21.1051	-22.0187	-21.8544	-21.0362	-20.3362	-18.4976	-19.5522	-28.4751	
60	8.1942971	8.158288	7.913864	7.413831	6.918742	6.451154	5.70678	4.475255	2.745403	0.343948	-3.14309	-7.66159	-11.2582	-14.3048	-16.1509	-13.7718	-13.5224	-14.8531	-14.5442	-13.7211	-14.723	-16.8036	-17.8697	-18.238	-18.8427	-19.4284	-19.5032	-19.8002	-20.4698	-21.1172	-20.7867	-19.9832	-19.9046	-18.8297	-19.7716	-28.2248	
65	8.1942971	8.170697	7.906171	7.330216	6.779048	6.292065	5.544388	4.367895	2.808838	0.67195	-2.60362	-7.39742	-11.4771	-12.6115	-12.5283	-11.27	-10.9619	-11.6392	-11.8517	-12.1662	-13.9107	-16.148	-17.2699	-17.4374	-17.8044	-18.3381	-18.459	-18.9164	-19.6187	-20.3016	-20.0326	-19.1471	-19.4372	-19.2431	-20.0689	-27.8405	
70	8.1942971	8.201021	7.89799	7.247266	6.638675	6.118191	5.339501	4.188323	2.812787	0.762327	-1.56981	-5.52765	-9.5363	-11.2473	-11.5442	-11.1833	-11.247	-11.6387	-11.4637	-12.0296	-14.3871	-16.7083	-17.081	-16.5537	-17.1611	-18.0169	-17.9884	-18.1353	-18.6913	-19.5981	-19.5646	-18.5191	-18.8409	-19.536	-20.3609	-27.3491	
75	8.1942971	8.222245	7.891482	7.17138	6.509017	5.950912	5.12674	3.957624	2.687589	1.273465	-0.76161	-6.36763	-9.4552	-10.4782	-11.1694	-12.0117	-13.1141	-12.7854	-12.8250	-14.8408	-16.9596	-16.9618	-16.389	-17.5227	-17.7148	-18.2159	-17.5511	-17.8162	-18.9872	-19.3073	-18.0844	-18.134	-19.5138	-20.5515	-26.7827		
80	8.1942971	8.243349	7.888631	7.107878	6.399194	5.809347	4.946076	3.733357	2.457204	1.152951	-0.57491	-2.87315	-5.26112	-9.7687	-10.7675	-11.4338	-12.1275	-13.8898	-14.6462	-14.4124	-15.2221	-17.6423	-17.4114	-18.7993	-20.3211	-18.9712	-17.0586	-17.0476	-18.4618	-19.1567	-17.8163	-17.4166	-19.1308	-20.5654	-26.1763		
85	8.1942971	8.26432	7.891078	7.006612	6.314647	5.704234	4.826387	3.589786	2.255238	0.857945	-0.94942	-3.18881	-5.36765	-7.6694	-10.3788	-12.176	-12.0025	-14.8658	-16.2128	-14.8045	-15.7776	-17.8337	-17.6427	-17.4114	-18.7993	-20.3211	-18.9712	-17.0586	-17.0476	-18.4618	-19.1567	-17.8163	-17.4166	-19.1308	-20.5654	-26.1763	
90	8.1942971	8.285127	7.90001	7.018161	6.256979	5.635433	4.769716	3.560896	2.216288	0.688382	-1.41666	-4.0423	-6.36546	-8.5916	-11.0393	-12.3978	-12.4513	-14.6729	-16.8905	-17.4322	-18.2511	-19.8044	-20.203	-20.2188	-23.9571	-24.7522	-21.0157	-16.7636	-16.5943	-18.0583	-18.8283	-17.6536	-16.3747	-17.8888	-20.06	-24.9701	
95	8.1942971	8.305701	7.916109	7.022467	6.220531	5.594919	4.751065	3.602095	2.317126	0.710016	-1.49452	-4.56566	-6.89758	-10.7683	-11.21	-11.9311	-14.545	-16.8421	-17.4322	-18.5849	-20.297	-20.8669	-22.5032	-24.62	-27.06	-22.3958	-17.4287	-17.2383	-18.3204	-18.6242	-17.7508	-16.1882	-17.3647	-19.6711	-24.1498		
100	8.1942971	8.325921	7.939535	7.032118	6.216519	5.573521	4.737877	3.628357	2.402145	0.921899	-1.22844	-4.02113	-6.37476	-7.72474	-8.87533	-9.78587	-10.9068	-13.1065	-14.4415	-15.7674	-16.0012	-17.7785	-20.3322	-21.5504	-24.9331	-30.0001	-23.2687	-18.4128	-18.2438	-18.7566	-18.4958	-18.0343	-16.2681	-17.0184	-19.2962	-23.9267	
105	8.1942971	8.34561	7.969951	7.059615	6.229276	5.566982	4.714124	3.588185	2.354519	0.934205	-0.96703	-3.28831	-5.63368	-8.616	-10.549	-10.8699	-13.1926	-14.622	-14.1404	-14.3522	-15.8459	-20.7372	-22.8124	-29.9471	-28.6969	-22.3142	-19.0807	-19.0661	-19.1751	-18.5609	-18.5946	-16.6142	-16.8637	-18.9897	-23.0302		
110	8.1942971	8.364535	8.006573	7.103008	6.26151	5.577590	4.690711	3.501506	2.188808	0.768813	-0.92165	-2.85531	-4.78474	-6.64582	-8.57533	-10.2287	-11.9593	-14.6657	-15.7504	-15.0573	-14.3903	-15.1675	-18.1164	-20.194	-25.0918	-24.9143	-21.109	-19.3582	-19.4082	-19.5148	-18.9027	-19.5098	-17.1892	-16.8819	-18.7821	-23.145	
115	8.1942971	8.382409	8.048228	7.159991	6.311151	5.610097	4.695789	3.443222	2.032545	0.556694	-1.05728	-2.83284	-4.78474	-6.64582	-8.57533	-10.2287	-11.9593	-14.6657	-15.7504	-15.0573	-14.3903	-15.1675	-18.1164	-20.194	-25.0918	-24.9143	-21.109	-19.3582	-19.4082	-19.5148	-18.9027	-19.5098	-17.1892	-16.8819	-18.7821	-23.145	
120	8.1942971	8.398904	8.093438	7.227389	6.374907	5.666402	4.752145	3.487323	2.037843	0.516498	-1.11963	-2.89331	-4.77463	-6.70897	-8.47281	-9.75195	-11.8325	-16.5101	-20.1394	-21.4219	-19.2402	-17.6876	-19.9686	-20.5982	-22.3164	-22.0507	-21.3679	-20.4309	-20.0625	-20.5475	-20.4581	-22.2914	-18.5083	-17.2772	-17.7835	-22.6499	
125	8.1942971	8.413665	8.140094	7.301752	6.447766	5.740485	4.85808	3.648185	2.257943	0.779468	-0.84701	-2.62077	-4.4329	-6.16135	-7.6283	-8.85421	-11.7867	-16.0424	-22.3566	-25.4208	-19.2519	-17.9355	-19.0259	-21.9687	-22.9545	-22.9884	-21.6722	-21.8645	-21.2684	-21.0894	-21.6205	-21.5581	-23.575	-19.0108	-17.5603	-18.8301	-22.5046
130	8.1942971	8.426327	8.187554	7.379436	6.523137	5.819145	4.986065	3.869795	2.59867	1.243575	-0.27962	-1.98138	-3.75931	-5.51957	-7.08443	-8.47426	-10.6942	-14.336	-19.9195	-23.9732	-21.1565	-20.0895	-23.5029	-24.1251	-23.7935	-21.945	-22.1354	-21.92	-22.4763	-22.9744	-22.7686	-24.0416					

Raw data – ANT2 (5.25GHz)

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	7.8289652	7.851873	7.85192	7.485073	6.870814	6.285284	5.44264	4.129139	3.027134	2.265777	0.708459	-1.27038	-5.07058	-6.86888	-10.3215	-12.9717	-13.8158	-17.1056	-20.7326	-20.3906	-21.6926	-22.0069	-23.1054	-25.4822	-22.348	-25.4277	-22.2885	-35.5213	-34.602	-22.4072	-25.325	-25.108	-22.5974	-21.131	-22.537		
5	7.8289652	7.842263	7.840734	7.514667	6.927244	6.28519	5.39249	4.087736	2.972889	2.016512	0.308584	-1.25073	-5.26938	-6.80028	-12.1365	-14.4701	-14.8746	-19.8064	-22.7789	-21.1281	-22.6777	-23.1452	-21.6604	-23.3381	-21.747	-25.208	-26.4364	-28.0213	-31.2559	-29.9731	-22.1611	-24.1463	-25.4505	-22.6284	-21.0751	-23.1966	
10	7.8289652	7.83734	7.8431	7.562114	7.003351	6.315402	5.361934	4.054356	2.835066	1.739667	-0.15507	-3.23002	-6.33346	-6.40244	-13.0777	-15.3109	-16.0446	-21.1523	-23.6609	-21.8753	-23.4741	-23.6808	-22.791	-28.1747	-26.5976	-25.4185	-24.1467	-27.0337	-23.4514	-22.1325	-23.2635	-25.2439	-22.8103	-20.9629	-23.8889		
15	7.8289652	7.835647	7.855535	7.620205	7.092465	6.365984	5.362713	4.059713	2.795902	1.526199	-0.57439	-3.88482	-7.12012	-4.90712	-13.0161	-16.5008	-17.8594	-22.6135	-23.6925	-23.4006	-24.0662	-23.5489	-23.0045	-24.254	-22.2695	-24.5434	-22.9321	-22.2728	-22.7742	-25.2687	-22.6834	-20.7459	-24.606				
20	7.8289652	7.839193	7.873925	7.680491	7.185716	6.437927	5.40264	4.117471	2.833587	1.397772	-0.94774	-4.4953	-7.78448	-10.0332	-13.3229	-16.9303	-20.1247	-24.1921	-21.7424	-21.1791	-23.5464	-25.9191	-24.208	-25.6167	-27.3004	-28.2913	-24.6779	-22.1573	-23.3485	-22.4617	-22.5583	-22.7012	-25.4008	-22.1106	-20.4257	-23.3554	
25	7.8289652	7.844617	7.893979	7.734265	7.273122	6.526144	5.482355	4.218799	2.921413	1.33645	-1.249258	-4.92142	-8.04102	-10.4032	-13.9349	-16.6103	-20.8229	-23.9917	-22.1438	-21.2407	-24.051	-28.0431	-26.0508	-26.3348	-29.7525	-25.5469	-22.9039	-22.6983	-22.0927	-22.9646	-22.9405	-25.2453	-21.1661	-20.1067	-23.5737		
30	7.8289652	7.852055	7.91166	7.773492	7.344654	6.622849	5.596392	4.344874	3.018585	1.321079	-1.43065	-5.12968	-7.88396	-9.95983	-13.4591	-17.0957	-17.6754	-20.5564	-23.6771	-22.3656	-25.0293	-32.8689	-36.901	-24.686	-23.3231	-24.8237	-25.958	-23.6068	-22.1389	-21.7983	-23.3135	-23.1833	-24.3922	-20.0713	-19.6373	-26.7444	
35	7.8289652	7.860759	7.923544	7.79152	7.391033	6.717384	5.734268	4.790068	3.000085	1.321099	-1.482	-5.27185	-8.01968	-10.002	-12.8212	-16.0779	-16.6055	-20.0763	-26.1274	-24.254	-25.9127	-32.3418	-21.7047	-22.3229	-25.0412	-26.3727	-24.0866	-21.6771	-21.5316	-23.2663	-22.987	-22.9508	-19.0348	-19.2687	-23.5453		
40	7.8289652	7.870052	7.927079	7.763807	7.404307	6.796043	5.870299	4.607899	3.10588	1.270692	-1.45703	-5.32451	-8.91018	-10.7674	-13.7074	-17.1133	-17.5899	-21.3332	-21.7097	-19.4249	-20.8694	-22.454	-21.1033	-19.8649	-21.0711	-24.5858	-25.9926	-23.8604	-21.2003	-21.2012	-22.6415	-22.1886	-21.398	-18.1853	-19.0272	-27.8321	
45	7.8289652	7.879368	7.920738	7.74785	7.378424	6.842806	6.007884	4.718749	3.047206	1.074911	-1.51355	-5.13899	-6.63366	-13.6826	-16.4102	-16.2006	-16.252	-17.6127	-16.9511	-17.5445	-19.9537	-19.9537	-19.9537	-19.9537	-19.9537	-19.9537	-19.9537	-19.9537	-19.9537	-19.9537	-19.9537	-19.9537	-19.9537	-19.9537	-19.9537		
50	7.8289652	7.888279	7.904069	7.683739	7.309966	6.841635	6.092318	4.799919	2.933674	0.68716	-1.86904	-4.97597	-9.14677	-11.3594	-19.1646	-15.5512	-15.0007	-15.5623	-15.6206	-16.8858	-18.5206	-19.2695	-17.9153	-16.6533	-17.7202	-20.6002	-21.536	-20.3358	-19.425	-20.017	-20.6121	-20.0002	-19.0606	-17.2404	-18.9027	-28.7817	
55	7.8289652	7.896505	7.877644	7.593933	7.199002	6.779958	6.106279	4.841371	2.873006	0.220015	-2.57415	-5.16577	-8.00802	-10.6374	-17.9447	-16.6005	-16.76	-17.4411	-16.5947	-16.6005	-16.76	-17.4411	-16.5947	-16.6005	-16.76	-17.4411	-16.5947	-16.6005	-16.76	-17.4411	-16.5947	-16.6005	-16.76	-17.4411	-16.5947	-16.6005	
60	7.8289652	7.900913	7.84293	7.483092	7.04982	6.652255	6.030323	4.828533	2.834388	0.015965	-3.25105	-5.63225	-6.86185	-8.7903	-10.8832	-11.5909	-12.309	-13.4553	-13.4553	-12.6987	-13.4553	-13.4553	-12.6987	-13.4553	-13.4553	-12.6987	-13.4553	-13.4553	-12.6987	-13.4553	-13.4553	-12.6987	-13.4553	-13.4553	-12.6987		
65	7.8289652	7.910505	7.802099	7.357656	6.871154	6.462766	5.856441	4.73808	2.927819	0.292152	-3.12311	-4.90447	-6.47365	-6.95054	-8.7566	-10.881	-12.649	-10.5948	-10.2611	-10.9446	-12.682	-13.4227	-14.946	-16.6849	-17.8498	-17.7483	-16.5802	-16.168	-17.0289	-18.5415	-18.7094	-17.7877	-17.4654	-17.4226	-19.5302	-26.6124	
70	7.8289652	7.916393	7.757792	7.225196	6.675547	6.226547	5.592277	4.544183	3.014922	0.89027	-1.97866	-4.97745	-6.51059	-7.21223	-9.2767	-8.4084	-9.00225	-9.72703	-10.2132	-11.3244	-13.3317	-14.6758	-15.2493	-15.7707	-16.8972	-17.3656	-16.246	-15.8195	-16.8365	-18.5671	-18.5695	-17.3432	-17.081	-17.5762	-19.7198	-25.7628	
75	7.8289652	7.921769	7.712874	7.09361	6.477692	5.96811	5.264683	4.236122	2.957274	1.373783	-0.70897	-3.11898	-5.28485	-7.30675	-9.25706	-10.5664	-11.7168	-12.8049	-12.674	-13.0275	-14.9463	-16.3574	-16.0186	-15.9421	-17.3068	-18.0725	-16.7295	-15.8009	-16.5872	-18.5908	-18.6421	-17.0404	-16.6619	-17.5569	-19.7377	-24.8679	
80	7.8289652	7.926875	7.670188	6.970283	6.291972	5.716874	4.920068	3.84231	2.672914	1.408668	-0.15035	-1.95101	-3.86816	-6.25474	-9.10454	-11.2697	-12.7958	-14.9932	-15.8122	-15.3366	-16.0993	-17.778	-17.6152	-17.5809	-19.1075	-19.8293	-17.7105	-15.6193	-15.9926	-18.4566	-18.8851	-18.8907	-16.226	-17.2972	-19.5252	-23.9837	
85	7.8289652	7.931969	7.632347	6.861393	6.129902	5.499654	4.617009	3.445747	2.218417	0.949455	-0.52986	-1.7032	-3.76562	-6.00918	-10.10318	-11.2486	-12.492	-14.701	-15.9243	-17.0096	-18.0074	-20.0235	-19.8462	-20.4171	-22.2543	-22.5453	-18.7696	-15.3398	-15.464	-18.3816	-19.2396	-16.8925	-15.832	-16.843	-19.1055	-23.1474	
90	7.8289652	7.937294	7.601572	6.771516	5.998458	5.332772	4.401277	3.157073	1.801701	0.295188	-1.51749	-3.29367	-4.70073	-6.45026	-9.42802	-10.7359	-11.6375	-13.8831	-16.2381	-16.985	-18.2339	-19.5904	-20.9365	-24.464	-25.321	-20.2234	-15.6683	-15.6212	-18.7337	-19.6002	-17.0383	-15.5482	-16.3149	-18.5634	-22.3813		
95	7.8289652	7.943053	7.575958	6.703575	5.899994	5.218376	4.281305	3.034731	1.626335	-0.07891	-2.31035	-3.92861	-5.82623	-7.35422	-9.30774	-10.7344	-11.4849	-14.1462	-16.6371	-17.1358	-17.847	-18.7049	-19.2644	-20.8214	-24.644	-27.6994	-23.121	-17.0521	-16.6627	-19.5427	-19.8571	-17.3422	-15.4322	-15.8339	-18.0006	-16.973	
100	7.8289652	7.949384	7.567562	6.659005	5.833694	5.147923	4.23147	3.034587	1.67931	-0.01438	-2.30842	-4.65345	-5.90329	-6.8391	-8.26571	-9.59383	-11.3061	-14.3018	-16.2468	-16.3623	-17.0598	-18.2381	-19.0893	-20.0645	-24.393	-30.1341	-25.8013	-18.9239	-18.0822	-20.3549	-20.0509	-17.8646	-15.5236	-15.4823	-17.4972	-21.0019	
105	7.8289652	7.956347	7.566094	6.638389	5.797631	5.10631	4.214266	3.06425	1.789613	0.277723	-1.78145	-3.80629	-5.05116	-6.0978	-7.3304	-8.72441	-10.4694	-13.7282	-16.5855	-18.3713	-19.743	-21.597	-26.8994	-23.0326	-19.4501	-18.6916	-20.6493	-20.474	-18.7021	-15.8599	-15.303	-17.1032	-15.596				
110	7.8289652	7.963915	7.575225	6.641131	5.790295	5.10097	4.212065	3.070583	1.840737	0.438213	-1.29504	-2.98156	-4.42283	-5.87265	-7.44165	-8.70784	-10.4529	-13.6126	-15.1875	-15.2433	-15.4777	-17.3997	-17.6306	-19.0324	-23.0885	-23.4402	-20.7203	-18.7151	-18.2953	-20.5853	-21.1705	-19.9435	-16.3701	-15.3103	-16.8442	-20.1689	
115	7.8289652	7.971971	7.584473	6.66618	5.81085	5.12051	4.227584	3.06981	1.842116	0.533066	-0.97859	-2.63821	-4.3806	-6.25267	-7.85133	-8.69692	-10.4973	-13.3381	-16.0452	-17.9148	-18.2953	-17.3307	-18.5501	-18.4219	-23.304	-21.9068	-20.0936	-18.3464	-17.963	-20.7245	-22.4194	-21.5658	-17.0646	-15.4998	-16.729	-19.8274	
120	7.8289652	7.980309	7.622872	6.711706	5.85822	5.173807	4.289792	3.118738	1.880459	0.64689	-0.86754	-2.6142	-4.57381	-6.52625	-7.99012	-8.64487	-10.2219	-13.7491	-16.8663	-18.028	-22.3727	-19.9975	-20.5012	-18.5309	-18.9798	-23.7382	-20.4137	-18.9311	-18.4732	-21.483	-24.0975	-23.4382	-17.8246	-15.8444	-16.7563	-19.5618	
125	7.8289652	7.988652	7.65903	6.757097	5.92767	5.261796	4.409371	3.261599	2.05867	0.781189	-0.70051	-2.51307	-4.51484	-6.37715	-7.74596	-8.93683	-10.8299	-14.6483	-17.9278	-17.0659	-24.749	-22.6059	-23.5792	-20.0028	-23.500	-20.4735	-21.4597	-20.5623	-20.0023	-21.1163	-26.0636	-24.7899	-18.5065	-16.3459	-16.9364		
130	7.8289652	7.996656	7.701202	6.852967	6.020461	5.377323	4.58169	3.494181	2.310776	1.098335	-3.35121	-4.27097	-6.05858	-7.9259	-9.5467	-10.3707	-12.098	-15.4831	-17.4179	-17.702	-24.681	-22.7711	-22.6416	-24.8331	-23.7255	-22.0255	-21.8589	-22.8317	-22.634	-22.2672	-25.4369	-27.7384	-24.7783	-18.9662	-16.9359	-17.1991	-22.207
135	7.8289652	8.000399	7.74737																																		

Raw data – ANT2 (5.3GHz)

ThetaPhi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	
0	7.3982817	7.671855	7.768239	7.739913	6.803707	6.426005	5.80144	4.621788	4.288909	4.195949	-9.78905	-12.1266	-12.9334	-16.1788	-18.2859	-18.1492	-17.6551	-21.2812	-22.6578	-20.7189	-22.4576	-20.4887	-23.3111	-25.1687	-27.29146	-28.0336	-19.1459	-20.6651	-24.4531	-21.7344	-20.4609	-25.7758	-26.2230	-25.7758			
5	7.3982817	7.673878	7.740248	7.797345	6.8643	6.458112	5.821806	4.69863	3.640708	2.688409	0.765381	-0.2005	-5.19546	-7.3165	-10.7801	-12.3038	-12.3383	-16.1137	-18.9242	-19.2357	-23.7653	-21.7784	-20.0226	-20.3763	-23.8866	-24.6439	-25.4093	-19.1469	-20.0147	-23.9893	-22.4923	-20.2485	-26.7229	-26.7229			
10	7.3982817	7.673559	7.724005	7.743254	6.944351	6.510666	5.854807	4.764792	3.631408	2.427811	0.2681	-3.0035	-5.80665	-7.75667	-10.7753	-12.9443	-13.634	-17.0031	-21.2003	-21.4344	-22.6286	-23.8016	-20.2323	-18.9324	-20.9476	-22.1291	-24.5867	-23.4076	-28.1951	-24.591	-19.2259	-19.6003	-23.6751	-23.2429	-19.9383	-26.5258	
15	7.3982817	7.672002	7.716787	7.74928	7.036407	6.576682	5.897457	4.839734	3.665201	2.29671	0.038659	-3.12046	-5.9869	-7.06568	-10.1358	-12.9377	-14.0317	-17.5101	-21.0702	-22.0464	-25.3602	-22.6255	-19.5682	-20.0053	-22.6796	-24.3014	-24.3072	-22.0978	-27.0411	-23.4399	-19.3597	-19.3938	-23.5373	-23.5772	-19.4986	-26.6653	
20	7.3982817	7.6706681	7.715121	7.7529953	7.13136	6.640093	5.944691	4.922878	3.756818	2.33004	0.000786	-2.94931	-5.3511	-7.14992	-10.7013	-15.753	-17.0616	-18.3951	-18.8924	-20.5381	-24.8039	-21.6323	-19.203	-21.0135	-24.7493	-26.0251	-24.0553	-21.452	-25.3854	-22.3662	-19.5977	-19.3808	-23.5558	-23.096	-18.9422	-26.6591	
25	7.3982817	7.6705687	7.715168	7.752628	7.219634	6.721749	5.98406	4.988406	3.842255	2.376707	0.13812	-2.7762	-5.56768	-6.85893	-10.0753	-15.5211	-18.338	-23.857	-18.5541	-19.5988	-21.5383	-19.3888	-21.6725	-26.2935	-28.9136	-25.0586	-21.5027	-23.9526	-21.6401	-19.9965	-19.5591	-23.6317	-21.8765	-18.5204	-26.4631		
30	7.3982817	7.584633	7.713113	7.60156	7.291872	6.789462	6.02625	5.010338	3.852813	2.347468	0.110489	-2.62613	-5.39368	-6.29565	-10.099	-16.2103	-17.336	-18.294	-16.4707	-17.7797	-20.0144	-20.2155	-19.6587	-22.7284	-27.8657	-33.8663	-26.2121	-21.8665	-23.1445	-21.4123	-20.6008	-19.9078	-23.5612	-20.3668	-17.7012	-26.3514	
35	7.3982817	7.574726	7.705519	7.624445	7.339214	6.846708	6.055703	4.983079	3.76895	2.206699	-0.059802	-2.7174	-4.78028	-7.12832	-10.4665	-14.7294	-14.8313	-14.7537	-16.6987	-19.8187	-21.9607	-19.8177	-22.3603	-16.943	-30.25	-25.2449	-22.22	-22.9147	-21.5936	-21.3409	-20.3473	-23.1104	-18.9237	-17.1487	-26.1971		
40	7.3982817	7.564814	7.689614	7.613423	7.353521	6.885731	6.077789	4.917196	3.677767	2.012082	-0.39259	-3.30065	-5.0843	-6.04358	-8.08594	-11.4313	-14.2849	-17.7624	-23.4067	-20.0605	-19.5546	-19.5242	-14.9441	-21.0308	-23.0845	-25.5488	-23.8455	-22.8302	-22.9841	-21.8744	-21.9852	-20.7334	-22.2221	-17.7093	-16.7139	-26.0541	
45	7.3982817	7.554432	7.663494	7.573271	7.327865	6.895824	6.087281	4.825108	3.384475	1.812189	-0.51048	-3.90223	-6.92938	-7.84656	-9.98785	-11.5808	-14.8896	-17.8629	-23.8535	-18.7809	-19.8325	-18.9498	-19.1415	-14.9419	-21.9231	-22.8233	-23.5825	-22.6631	-21.8539	-22.2844	-20.9243	-21.0852	-16.7788	-16.4352	-25.9729		
50	7.3982817	7.543233	7.626241	7.502394	7.257396	6.864878	6.073045	4.71866	3.108999	1.564257	-0.41054	-3.93939	-6.83397	-8.73737	-12.4471	-11.9964	-11.0085	-11.089	-11.432	-12.0473	-14.2603	-17.386	-18.2577	-18.0082	-16.6774	-17.0504	-19.751	-21.6763	-22.8485	-21.1833	-21.2889	-22.212	-20.8706	-19.9481	-16.1472	-16.3418	-25.9582
55	7.3982817	7.531003	7.577948	7.401609	7.140377	6.782578	6.028233	4.617401	2.832738	1.208238	-0.40057	-2.74031	-6.15445	-14.0149	-16.5109	-11.8757	-12.7211	-12.6428	-13.244	-15.2605	-16.9011	-17.6515	-16.495	-15.5737	-16.9899	-19.5723	-20.6351	-20.2857	-18.9955	-20.3623	-21.9716	-20.6171	-18.9675	-15.8181	-16.4747	-25.9968	
60	7.3982817	7.517668	7.519666	7.274144	6.979067	6.643691	5.928342	4.548638	2.683039	0.859556	-0.65206	-2.10531	-4.2122	-8.10027	-14.3192	-16.1707	-15.9947	-17.565	-16.9462	-15.0853	-14.5457	-14.8212	-14.975	-16.3535	-19.4411	-20.8129	-19.5748	-17.6016	-17.1103	-19.5885	-21.8077	-20.228	-18.2036	-15.7936	-16.8055	-26.0525	
65	7.3982817	7.503286	7.45327	7.125417	6.780128	6.450226	5.787166	4.530379	2.79842	0.866734	-0.93771	-2.0285	-2.68808	-4.15326	-6.59283	-8.50896	-10.5562	-11.1225	-12.4165	-12.0518	-12.0459	-13.8002	-14.6384	-10.7427	-20.8572	-18.0369	-15.7002	-16.0805	-19.4169	-21.8477	-19.7512	-17.6622	-16.0754	-17.4072	-26.0648		
70	7.3982817	7.48803	7.381264	6.962549	6.554327	6.212032	5.60167	4.547684	3.175446	1.475636	-0.65681	-2.44997	-2.97386	-3.52083	-4.81079	-6.0413	-7.04892	-8.5356	-9.82071	-10.3899	-11.8275	-14.123	-15.8376	-16.9647	-18.1917	-18.8869	-16.6345	-14.9335	-16.0701	-19.9133	-21.9572	-19.2377	-17.3248	-16.6577	-18.2816	-25.9572	
75	7.3982817	7.472162	7.366553	6.793659	6.315427	5.945885	5.376638	4.543314	3.607745	2.381428	0.420211	-2.1854	-4.22915	-5.48647	-6.86719	-7.90647	-8.77674	-10.1881	-11.0465	-11.5974	-13.8838	-17.2913	-17.5721	-16.3239	-16.6266	-17.4184	-16.3191	-15.3709	-16.761	-20.359	-21.7126	-18.7564	-17.1574	-17.5038	-19.4313	-25.6597	
80	7.3982817	7.456005	7.232186	6.627017	6.078333	5.673181	5.120773	4.441689	3.821821	2.942626	1.45003	-0.98874	-3.89482	-6.8712	-10.1155	-12.028	-12.7266	-14.4407	-15.2388	-14.9213	-16.5311	-19.7639	-17.5167	-16.8961	-16.9285	-17.7663	-17.5345	-16.4298	-17.0158	-19.6418	-20.8556	-18.3776	-17.1032	-18.4897	-20.7998	-25.1418	
85	7.3982817	7.439912	7.161126	6.470213	5.856793	5.416327	4.851678	4.201264	3.653299	2.954292	1.649663	-0.40498	-2.95759	-6.01031	-9.70545	-12.3617	-13.5243	-16.0312	-18.4426	-17.9436	-18.9022	-21.6309	-20.1638	-18.6203	-19.7245	-20.9274	-19.9237	-16.7767	-16.3136	-18.2946	-19.697	-18.1442	-17.0708	-19.3161	-22.1669	-24.248	
90	7.3982817	7.424229	7.096041	6.3295	5.661285	5.194047	4.599363	3.899016	3.135936	2.264781	0.917729	-0.9281	-3.0335	-5.52004	-8.29256	-9.99277	-11.2281	-13.6352	-15.5632	-15.7885	-16.8943	-18.5262	-18.7759	-20.3173	-25.854	-28.8843	-22.0881	-16.712	-15.9455	-17.4558	-18.6828	-18.0619	-16.9457	-19.5449	-23.031	-23.5878	
95	7.3982817	7.409276	7.03915	6.20945	5.497838	5.016842	4.397031	3.523467	2.502887	1.274996	-0.2951	-2.01743	-3.66182	-5.61973	-7.32577	-9.4727	-10.945	-13.5629	-14.7492	-14.7585	-15.7518	-18.4939	-20.2972	-25.4668	-34.0887	-24.9458	-17.9475	-16.9038	-17.4304	-18.008	-18.1149	-16.6465	-18.9976	-22.8889	-22.6939		
100	7.3982817	7.395315	6.992134	6.111294	5.368274	4.885174	4.262439	3.302122	2.058693	0.548323	-1.17892	-2.76128	-4.80186	-5.72672	-7.86464	-9.87487	-12.8276	-16.1529	-17.3781	-17.0744	-18.2657	-20.1512	-20.4888	-20.2453	-23.2819	-27.8362	-28.8292	-21.0485	-19.3392	-18.0853	-18.0114	-18.2887	-16.194	-18.0007	-21.9017	-21.8092	
105	7.3982817	7.382534	6.950084	6.041397	5.271621	4.792185	4.188802	3.223823	1.942607	0.416427	-1.20705	-2.60466	-4.38395	-5.33004	-7.26161	-9.11512	-11.7874	-16.8208	-18.2091	-17.5029	-18.5709	-20.6112	-20.0961	-22.1294	-22.3022	-22.5892	-22.4342	-21.9585	-19.276	-18.6571	-15.7124	-16.9899	-20.6512	-20.975			
110	7.3982817	7.371036	6.931501	5.995116	5.209921	4.729492	4.154418	3.242016	2.0661	0.692779	-0.7211	-2.10356	-3.3553	-5.01234	-6.75705	-8.14873	-10.2205	-14.1532	-17.0287	-17.4039	-19.9977	-17.4381	-19.0906	-18.796	-19.9318	-19.2926	-18.9002	-19.7527	-21.7589	-20.8873	-20.0666	-18.9709	-15.3596	-16.2156	-19.5159	-20.2143	
115	7.3982817	7.360835	6.918321	5.973549	5.169482	4.692153	4.12865	3.288005	2.240217	1.034724	-0.29905	-1.70733	-3.18968	-4.75927	-6.75872	-7.54173	-9.0906	-12.3348	-15.4865	-17.4264	-17.9397	-18.0274	-19.2626	-18.4858	-19.0312	-18.8488	-18.1212	-18.4997	-20.1185	-22.2772	-21.9784	-19.4953	-15.2672	-15.7753	-18.6251	-19.5375	
120	7.3982817	7.351854	6.915952	5.954567	5.161134	4.679947	4.150177	3.363013	2.409758	1.287813	-0.10443	-1.73232	-3.57239	-5.67071	-7.04402	-9.81832	-9.2807	-12.4446	-14.7421	-16.7437	-19.713	-21.1355	-21.3024	-19.5536	-19.2808	-19.8056	-19.077	-18.8509	-19.1488	-22.4981	-23.6157	-20.2479	-15.522	-15.6956	-17.9309	-18.9408	
125	7.3982817	7.343937	6.92333	5.998948	5.179629	4.695012	4.18346	3.443162	2.56507	1.492776	0.034643	-1.75238	-3.69792	-5.79779	-6.67875	-9.06163	-10.8153	-13.5044	-15.5175	-17.7704	-21.2625	-26.6161	-26.9851	-21.5672	-19.8315	-20.4699	-20.6723	-19.3878	-19.9472	-22.3897	-24.6944	-21.383	-16.1627	-15.9737	-17.598	-18.496	
130	7.3982817	7.336859	6.938977	6.04148	5.228205	4.737971	4.345724	3.548061	2.734508	1.278964	0.295975	-1.51085	-3.47032	-5.66247	-7.54067	-9.40247	-11.5104	-13.3721	-16.4624	-20.6934	-20.9297	-21.9368	-22.8222	-21.945	-23.3456	-26.1942	-22.8801	-22.8077	-17.1636	-16.5885	-17.4003	-18.0108	-18.0108				
135																																					

Raw data – ANT2 (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	7.4842583	7.70858	7.787506	7.425733	6.900166	6.551004	5.923208	3.93366	3.318948	1.62362	-1.50778	-3.32767	-8.55108	-10.6408	-11.3433	-14.169	-16.919	-17.7791	-17.6729	-18.5751	-21.301	-20.0803	-23.0857	-24.4226	-25.7375	-25.2152	-25.433	-24.2794	-20.6744	-20.8497	-22.5489	-23.3376	-21.7142	-20.8787			
5	7.4842583	7.697807	7.781717	7.477114	7.004097	6.625494	5.981598	4.90513	4.00512	2.188148	1.305447	-1.2888	-4.59585	-6.45764	-9.74671	-12.355	-13.2951	-15.285	-16.5988	-17.5898	-18.4239	-20.0166	-22.7435	-24.1948	-24.5843	-24.9993	-26.3017	-24.4869	-20.3438	-20.3438	-21.4358	-22.58	-21.4121	-20.9121			
10	7.4842583	7.686929	7.785558	7.541313	7.121509	6.722289	6.072079	5.056582	4.070528	2.00451	0.570469	-2.54	-5.52118	-7.47519	-11.1029	-13.571	-14.2111	-16.009	-17.5497	-18.0873	-20.0196	-22.5868	-24.944	-24.9837	-21.7701	-22.7944	-23.1292	-21.8981	-23.1106	-27.1891	-22.2855	-19.9921	-20.667	-26.0125	-23.5544	-21.9514	
15	7.4842583	7.683595	7.795504	7.610424	7.241702	6.830331	6.18043	5.207288	4.172727	2.883939	0.544666	-5.95157	-8.08943	-11.4402	-13.1402	-15.7307	-16.0079	-18.3172	-19.0853	-20.4893	-25.2427	-22.884	-20.1266	-23.7789	-24.5768	-23.5811	-20.4159	-22.216	-27.2047	-22.84	-19.7429	-20.2394	-28.1278	-24.3874	-22.465		
20	7.4842583	7.679142	7.807541	7.657127	7.353117	6.93328	6.287577	5.372798	4.34009	2.93435	0.862395	-2.99181	-5.89213	-8.02948	-11.1437	-13.6527	-13.6604	-15.2838	-16.8119	-18.3204	-21.182	-22.1152	-19.2672	-20.3288	-25.3061	-26.3818	-23.6311	-19.5698	-21.6627	-26.2391	-23.8322	-19.5516	-20.1281	-20.2621	-24.6532	-22.9111	
25	7.4842583	7.675632	7.817553	7.728521	7.444723	7.021147	6.373879	5.5056	4.509604	3.042829	0.673389	-2.72441	-5.85674	-8.35793	-11.4343	-14.3072	-14.3432	-17.0216	-18.5603	-19.7246	-21.8464	-24.0823	-20.1638	-21.9189	-21.5604	-25.612	-27.1964	-23.2833	-19.0962	-20.9467	-23.957	-22.1258	-19.9073	-20.2955	-20.0872	-27.3429	
30	7.4842583	7.672144	7.821687	7.76084	7.506704	7.082886	6.425236	5.569595	4.603284	3.228845	0.925023	-2.28328	-5.60644	-8.07113	-12.8116	-13.5761	-15.9573	-20.0796	-15.9664	-16.5172	-20.2024	-20.34	-18.7411	-18.9263	-24.9939	-20.1829	-23.5239	-19.021	-20.1188	-21.7337	-21.1352	-19.3287	-20.6866	-27.2587	-22.8503	-23.4221	
35	7.4842583	7.66888	7.816674	7.76602	7.53063	7.111602	6.435435	5.545705	4.558201	3.097324	1.008102	-1.93885	-5.45192	-8.1453	-10.7838	-18.1231	-14.543	-17.6306	-17.5902	-19.7474	-20.5463	-18.8145	-19.7233	-26.9696	-13.6651	-23.6724	-19.284	-19.6716	-20.3836	-20.3737	-19.3905	-21.2158	-24.2644	-21.4409	-23.4235		
40	7.4842583	7.664513	7.800084	7.739109	7.50957	7.100148	6.403175	5.437349	4.358353	2.959555	0.762695	-2.10673	-6.6256	-7.1182	-11.4636	-18.2319	-20.7225	-20.5811	-21.3932	-20.5476	-19.9064	-20.9302	-19.2576	-20.7968	-27.097	-27.6884	-22.662	-19.6495	-19.7715	-19.8989	-20.0554	-19.6406	-21.749	-21.866	-20.1259	-23.2872	
45	7.4842583	7.658925	7.770509	7.675777	7.438607	7.041233	6.328026	5.263935	4.035151	2.521534	0.21772	-2.95992	-5.79947	-7.69483	-11.763	-16.1958	-21.8023	-25.364	-22.6827	-19.2961	-19.6837	-20.1638	-19.1189	-21.0044	-22.7742	-22.7347	-21.2276	-20.0315	-20.255	-19.9958	-20.1546	-20.0887	-22.1	-20.0416	-19.0203	-23.0277	
50	7.4842583	7.651881	7.727662	7.58107	7.315817	6.929184	6.210332	5.055033	3.647311	1.986711	-0.413	-4.00032	-8.11042	-10.3923	-11.7253	-13.1474	-14.3297	-15.5324	-15.7578	-16.2006	-18.0172	-18.7063	-16.849	-20.2018	-18.0666	-19.3652	-19.8587	-20.3268	-20.6611	-20.2527	-20.5197	-20.6704	-22.073	-18.6854	-18.1534	-22.6838	
55	7.4842583	7.643306	7.672296	7.45225	7.143448	6.763056	6.055084	4.850233	3.293265	1.482262	-0.88761	-4.30817	-8.39743	-12.2079	-10.9685	-9.84557	-10.5429	-11.8548	-12.4637	-13.2889	-15.0219	-16.9774	-17.1842	-19.6746	-16.5544	-17.6791	-18.8325	-20.1942	-20.3325	-20.207	-20.9215	-21.1906	-21.5652	-17.711	-17.5219	-22.116	
60	7.4842583	7.633283	7.60663	7.296536	6.928799	6.549063	5.874556	4.695762	3.089517	1.175988	-1.03739	-3.55208	-6.54743	-10.2384	-11.4273	-10.3421	-10.9287	-12.437	-12.5426	-12.6463	-14.1319	-15.5013	-16.1176	-16.0848	-16.6541	-17.7032	-18.576	-19.5037	-19.2064	-19.718	-21.1206	-21.304	-20.6458	-17.054	-17.1118	-21.9357	
65	7.4842583	7.622032	7.533189	7.12192	6.684338	6.300806	5.68478	4.62422	3.126304	1.22936	-0.83844	-2.45948	-3.8515	-6.12637	-10.4725	-10.7242	-12.0336	-14.2755	-14.5416	-13.6889	-14.3446	-15.616	-16.1367	-16.0648	-16.6541	-18.1337	-19.1061	-19.0748	-18.5213	-18.0307	-19.1657	-21.0214	-20.7523	-19.5135	-16.6651	-16.9048	-21.574
70	7.4842583	7.609887	7.455558	6.938365	6.426811	6.037194	5.497028	4.624382	3.375646	1.646263	-0.42591	-1.94218	-2.72823	-4.12211	-6.38636	-8.32036	-9.86478	-12.2737	-13.9751	-13.7438	-14.6603	-16.7286	-17.5401	-17.8223	-19.4961	-20.9369	-19.6144	-17.7463	-17.5067	-19.0485	-20.738	-19.7067	-18.3841	-16.5027	-16.879	-21.234	
75	7.4842583	7.597257	7.377625	6.756864	6.175349	5.779366	5.312362	4.633561	3.672832	2.205213	0.107523	-1.99748	-3.31533	-4.73085	-6.78476	-8.4915	-9.85438	-12.2381	-14.5313	-15.0286	-16.7291	-20.2144	-20.3159	-21.2149	-20.2636	-21.4091	-19.7858	-17.7281	-17.9461	-19.6071	-20.4312	-18.5961	-17.4195	-16.5273	-17.0068	-20.9164	
80	7.4842583	7.584586	7.303255	6.58824	5.948818	5.548067	5.126689	4.571324	3.810744	2.568444	0.548813	-2.06513	-4.49409	-6.86157	-9.62166	-11.4602	-12.5744	-15.1935	-18.3123	-19.0887	-20.8875	-23.7421	-22.8935	-21.0296	-20.982	-21.124	-20.6641	-18.5617	-19.0733	-20.6313	-20.1597	-17.7456	-16.7143	-16.6932	-17.2512	-20.6176	
85	7.4842583	7.572317	7.236409	6.441905	5.762904	5.361673	4.934349	4.391627	3.65636	2.477102	0.520179	-2.20838	-5.71686	-8.31246	-11.7116	-13.6081	-14.6923	-17.5826	-20.8279	-21.6421	-22.9243	-22.7947	-23.5514	-23.0011	-23.0084	-23.2491	-19.1074	-19.6312	-21.3422	-19.8954	-17.3073	-16.3602	-16.9387	-17.5618	-20.3323		
90	7.4842583	7.560847	7.179011	6.324801	5.627604	5.237114	4.781518	4.115563	3.21672	1.896795	-0.10225	-2.70253	-5.388	-7.99865	-10.2115	-11.3337	-12.5241	-14.3564	-16.0777	-16.9713	-18.2717	-19.6729	-20.8163	-20.4074	-27.0859	-29.1221	-25.2563	-18.4073	-19.1242	-21.1924	-19.5953	-17.3251	-16.1825	-17.1794	-17.8753	-20.0595	
95	7.4842583	7.550499	7.134341	6.240767	5.545838	5.169573	4.667066	3.822274	2.64016	1.056836	-0.97202	-3.1624	-5.16161	-7.08958	-9.12419	-9.95584	-11.4691	-13.189	-13.9953	-14.9278	-16.4926	-18.2863	-21.5522	-27.4959	-24.5309	-18.1676	-19.0629	-20.6971	-19.2577	-17.7783	-16.2802	-17.3187	-18.124	-19.745	-20.5185		
100	7.4842583	7.541497	7.10332	6.190467	5.513668	5.164296	4.619626	3.601088	2.142764	0.3545	-1.49679	-3.11061	-4.68098	-6.56984	-8.58221	-10.4771	-12.8915	-15.2631	-15.3208	-15.9567	-17.2308	-17.9076	-18.3235	-18.7714	-20.66	-22.8652	-26.007	-19.8483	-20.4693	-20.4452	-18.9836	-18.592	-16.4881	-17.2852	-18.2556	-19.5159	
105	7.4842583	7.533946	7.086302	6.117808	5.522002	5.203862	4.635504	3.50124	1.883555	0.086133	-1.42316	-2.65076	-4.76079	-6.28866	-8.66695	-10.8743	-13.9741	-16.2598	-17.5009	-17.7627	-18.8878	-18.8525	-19.3122	-20.5298	-22.1045	-26.091	-23.7342	-23.5665	-20.7506	-18.9892	-19.6361	-16.6766	-17.0792	-18.2552	-19.2585		
110	7.4842583	7.527828	7.08277	6.180718	5.55908	5.269567	4.69713	3.519289	1.888895	0.233239	-1.03648	-2.21629	-3.89523	-6.14839	-8.30243	-9.79523	-12.2627	-13.7326	-19.2271	-18.7053	-17.9561	-17.4915	-19.7458	-19.3868	-20.1938	-19.7293	-21.2751	-23.9199	-27.3957	-22.0007	-19.5039	-20.7382	-16.7648	-16.7799	-18.1523	-19.011	
115	7.4842583	7.523006	7.091499	6.21204	5.612893	5.342842	4.779758	3.618911	2.080453	0.586071	-0.67198	-2.04936	-3.88893	-5.96278	-7.33664	-8.00665	-13.4863	-14.9684	-19.0088	-17.9552	-17.9355	-19.9051	-17.6077	-19.4327	-18.5151	-18.9323	-21.2931	-26.8967	-24.568	-20.6282	-21.7441	-16.7795	-16.5031	-18.0045	-18.7783		
120	7.4842583	7.510232	7.110716	6.260361	5.672979	5.408453	4.861027	3.754787	2.344442	0.80612	-0.38556	-2.00814	-3.88153	-6.65517	-6.72154	-7.40087	-8.97088	-11.8982	-14.8455	-17.9821	-18.5447	-21.2963	-22.638	-19.645	-19.3675	-18.8854	-18.7184	-19.6166	-23.143	-27.3614	-22.1917	-22.5312	-16.8347	-16.3548	-17.8745	-18.566	
125	7.4842583	7.516165	7.138279	6.320651	5.713494	5.458864	4.924336	3.888869	2.632655	1.3763	-0.06859	-1.84052	-3.76319	-5.67671	-6.26253	-8.56794	-10.2408	-12.6085	-14.8867	-17.1603	-20.3986	-24.6138	-27.1644	-20.3287	-19.1319	-19.5664	-19.3235	-18.837	-20.6978	-26.7268	-23.6905	-23.4425	-17.0588	-16.411	-17.8131	-18.7585	
130	7.4842583	7.513458	7.151184	6.388664	5.783667	5.479476	5.080027	3.998067	2.874875	1.738708	0.324111	-1.47396	-3.50154	-5.81967	-8.18814	-11.4736	-12.9605	-14.9175	-17.3995	-21.1081	-21.7996	-26.3042	-21.2681	-19.8069	-20.1344	-20.0783	-18.9376	-19.9049	-25.2993	-24.7036	-24.3941	-17.5448	-16.7187	-17.8536	-18.2186		

Raw data – ANT2 (5.47GHz)

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	7.6700117	7.615198	7.380081	6.836389	6.346029	6.176459	5.770958	4.884536	3.846274	2.459049	-0.31791	-3.87257	-6.07937	-8.17645	-10.2958	-13.4063	-17.3588	-18.4063	-22.3555	-23.499	-23.7847	-22.9603	-22.0088	-28.2993	-36.4398	-32.35	-27.4497	-22.4639	-20.5255	-21.2929	-23.38	-20.8723	-19.4974			
5	7.6700117	7.605451	7.383824	6.909791	6.147977	6.202266	5.937125	5.132908	4.044185	2.375344	-0.00324	-3.92201	-6.08312	-8.08216	-10.0449	-8.84965	-10.6425	-11.8882	-15.127	-17.7258	-18.121	-20.791	-21.0884	-25.592	-26.594	-22.8207	-27.3845	-24.8629	-21.7401	-19.7527	-20.3567	-23.4679	-21.3177	-19.6021		
10	7.6700117	7.600517	7.401512	7.002438	6.62385	6.426796	6.103171	5.380588	4.237537	2.393344	-0.59963	-3.54201	-4.39869	-5.80776	-7.87613	-10.8261	-12.3628	-16.3376	-17.7247	-17.9504	-18.8628	-20.8417	-22.3391	-21.0812	-22.120	-26.4186	-27.092	-26.4706	-23.7025	-22.7693	-21.6168	-19.6198	-19.9286	-23.8845	-21.9277	-19.1749
15	7.6700117	7.600055	7.429787	7.104124	6.776719	6.559591	6.241754	5.57104	4.40028	2.469441	-0.41618	-3.1059	-3.9325	-5.49325	-8.3002	-10.1576	-12.3173	-17.5536	-17.2608	-18.1684	-19.9988	-22.5582	-21.112	-22.8523	-26.6365	-27.2512	-24.5839	-22.4467	-22.52	-22.469	-20.0179	-19.9238	-24.752	-22.6841	-19.8269	
20	7.6700117	7.603296	7.464362	7.204728	6.918127	6.670041	6.327461	5.679986	4.503564	2.526742	-0.25332	-2.61142	-3.65253	-5.25372	-7.91447	-10.1079	-11.1697	-13.6164	-15.921	-17.3176	-17.9659	-19.6266	-21.0476	-21.87	-25.8433	-29.1219	-28.2628	-23.889	-22.8959	-24.1413	-24.2353	-20.6679	-20.2236	-26.126	-23.531	-19.9277
25	7.6700117	7.606993	7.501005	7.295538	7.057067	6.746145	6.342602	5.677906	4.505233	2.520178	-0.22505	-2.54234	-3.75523	-5.29127	-7.6308	-10.0595	-10.0682	-14.4249	-16.403	-17.7961	-19.0364	-21.2697	-25.0251	-21.1021	-25.9758	-29.0881	-27.4494	-23.1739	-23.5104	-25.9519	-25.2135	-21.0447	-20.6463	-27.9354	-24.3468	-20.0059
30	7.6700117	7.618462	7.536189	7.370005	7.127143	6.784607	6.284223	5.549255	4.378749	2.443435	-0.30392	-2.88584	-4.0289	-6.07975	-8.39276	-10.4014	-12.6367	-17.1752	-20.4774	-20.4485	-21.3462	-27.8007	-21.0293	-21.0711	-23.6836	-26.378	-26.6004	-23.004	-23.2483	-24.8041	-23.7846	-20.787	-20.9631	-29.5243	-24.9314	-20.051
35	7.6700117	7.628881	7.566721	7.423903	7.187545	6.799033	6.167451	5.293152	4.094102	2.277502	-0.36944	-3.13813	-4.26493	-6.0069	-8.28841	-10.2666	-16.3465	-22.8847	-28.1967	-25.1601	-25.2961	-28.8174	-25.0658	-22.9505	-23.6168	-26.0948	-27.8475	-24.416	-23.3419	-23.3334	-22.2353	-20.1962	-21.0117	-29.3739	-25.0779	-20.0964
40	7.6700117	7.640286	7.590467	7.455058	7.220326	6.78758	6.023902	4.936688	3.634458	1.9557	-0.44737	-3.5014	-6.55452	-9.69855	-14.3271	-19.9438	-21.5233	-20.8447	-20.6464	-23.1727	-24.6531	-24.4601	-25.1784	-24.9915	-26.0452	-27.9188	-28.777	-26.6769	-24.3431	-24.136	-21.8548	-19.7713	-20.815	-27.4933	-24.7318	-20.0115
45	7.6700117	7.6521	7.6521	7.6521	7.6521	7.6521	7.6521	7.6521	7.6521	7.6521	7.6521	7.6521	7.6521	7.6521	7.6521	7.6521	7.6521	7.6521	7.6521	7.6521	7.6521	7.6521	7.6521	7.6521	7.6521	7.6521	7.6521	7.6521	7.6521	7.6521	7.6521	7.6521	7.6521	7.6521	7.6521	7.6521
50	7.6700117	7.663584	7.613048	7.447972	7.212687	6.772401	5.813882	4.236687	2.463984	0.846151	-1.11615	-1.4112	-8.50531	-13.9069	-22.306	-26.7593	-31.2473	-20.948	-20.8748	-19.9361	-19.641	-19.7952	-20.0981	-21.1503	-22.668	-23.31	-24.0863	-25.5013	-24.341	-24.6723	-23.3916	-19.9998	-20.3242	-23.7282	-23.2214	-19.7844
55	7.6700117	7.672639	7.505693	6.961914	6.508313	6.126862	5.632024	4.7924	3.555468	1.75287	-0.48087	-2.31243	-3.9401	-6.10762	-8.38748	-10.43071	-9.53619	-12.2343	-12.5492	-12.4257	-14.8179	-18.0192	-17.7815	-17.3375	-19.7758	-23.5169	-25.6	-20.4925	-19.0857	-21.0441	-22.613	-21.4607	-19.8464	-19.7247	-19.1258	-18.1854
60	7.6700117	7.733399	7.489541	6.892216	6.391298	5.921126	5.273541	4.280759	2.980446	1.284463	-0.70453	-2.36361	-3.60629	-5.49057	-7.4362	-9.19721	-9.13139	-11.3786	-12.4082	-12.5471	-14.7479	-15.7655	-16.7465	-16.8887	-18.0655	-21.6345	-24.5223	-21.7432	-20.9012	-22.3806	-22.9859	-21.5678	-19.4076	-19.1215	-18.6577	-17.9532
65	7.6700117	7.739857	7.477998	6.855544	6.308388	5.791106	4.957867	3.76792	2.380954	0.873221	-0.79204	-2.46881	-3.69252	-5.78876	-7.67039	-9.13221	-10.1886	-11.4035	-12.4606	-13.5741	-14.7479	-15.5471	-16.7835	-16.8887	-18.0655	-21.6345	-24.5223	-21.7432	-20.9012	-22.3806	-22.9859	-21.5678	-19.4076	-19.1215	-18.6577	-17.9532
70	7.6700117	7.745282	7.471644	6.86121	6.267016	5.713687	4.779449	3.431946	2.003508	0.785233	-0.49686	-2.72727	-4.44062	-6.69525	-8.63849	-10.5657	-12.3677	-12.8179	-12.7864	-14.734	-17.1943	-17.2844	-17.2885	-17.2405	-18.2631	-19.2858	-20.6497	-21.3923	-22.578	-24.0121	-23.9915	-22.8594	-18.904	-17.8805	-17.7566	-17.5722
75	7.6700117	7.750273	7.470526	6.815521	6.2645	5.724585	4.779449	3.431946	2.003508	0.785233	-0.49686	-2.72727	-4.44062	-6.69525	-8.63849	-10.5657	-12.3677	-12.8179	-12.7864	-14.734	-17.1943	-17.2844	-17.2885	-17.2405	-18.2631	-19.2858	-20.6497	-21.3923	-22.578	-24.0121	-23.9915	-22.8594	-18.904	-17.8805	-17.7566	-17.5722
80	7.6700117	7.754794	7.474246	6.818162	6.289885	5.79925	4.898148	3.51115	2.131379	1.306093	0.556611	-0.96425	-2.55006	-4.61164	-6.64862	-10.0771	-12.1571	-14.135	-14.7477	-16.3218	-18.7529	-19.8977	-23.9203	-22.0088	-20.4546	-19.5179	-19.8632	-21.7708	-21.695	-20.8855	-21.2631	-23.7584	-18.8841	-16.9437	-17.0301	-17.2295
85	7.6700117	7.759791	7.482938	6.82924	6.32644	5.897944	5.087327	3.781465	2.415359	1.571715	0.770212	-0.48808	-2.55006	-4.61164	-6.64862	-10.0771	-12.1571	-14.135	-14.7477	-16.3218	-18.7529	-19.8977	-23.9203	-22.0088	-20.4546	-19.5179	-19.8632	-21.7708	-21.695	-20.8855	-21.2631	-23.7584	-18.8841	-16.9437	-17.0301	-17.2295
90	7.6700117	7.762154	7.493237	6.844459	6.33118	5.982014	5.270039	4.071365	2.715402	1.644794	0.756003	-0.28486	-1.76506	-4.12971	-6.95144	-10.08736	-10.3007	-11.4534	-12.8141	-14.1545	-15.5471	-16.7835	-16.8887	-18.0655	-21.6345	-24.5223	-21.7432	-20.9012	-22.3806	-22.9859	-21.5678	-19.4076	-19.1215	-18.6577	-17.9532	
95	7.6700117	7.764772	7.506817	6.860122	6.362319	6.023189	5.397387	4.316899	3.005587	1.787471	0.688396	-0.35557	-1.61138	-3.93179	-7.28207	-8.85766	-11.0934	-12.1771	-13.2183	-13.6072	-15.5755	-19.039	-24.5207	-25.604	-21.9395	-22.7098	-22.2225	-22.3451	-20.1129	-19.5989	-20.6337	-22.9644	-18.5585	-16.3411	-16.5661	-16.9979
100	7.6700117	7.766516	7.522093	6.874803	6.394149	6.007442	5.442073	4.481186	3.269867	1.425792	0.725947	-0.5138	-1.89349	-4.05291	-7.20596	-9.5004	-10.9027	-12.7837	-13.7399	-13.6319	-14.4757	-17.8778	-22.6327	-24.3042	-20.937	-22.9659	-21.6943	-19.873	-18.4172	-17.7779	-22.0515	-22.5063	-18.2994	-16.3951	-16.6185	-16.9911
105	7.6700117	7.767258	7.538453	6.889975	6.314806	5.935494	5.397066	4.540026	3.469189	2.264309	0.888306	-0.55773	-2.02226	-4.10044	-6.68286	-8.58543	-10.4496	-13.0205	-16.4249	-14.815	-16.1102	-17.037	-20.7137	-23.3494	-20.8542	-23.4005	-21.4378	-18.4421	-17.0196	-19.4617	-23.5316	-22.0676	-18.1525	-16.6162	-16.7878	-17.0205
110	7.6700117	7.768831	7.559539	6.904715	6.267838	5.816751	5.269394	4.47695	3.543077	2.275523	1.003305	-0.46806	-1.98686	-3.99575	-6.42832	-8.99229	-10.7973	-13.7028	-16.2563	-10.9734	-13.0275	-17.5364	-20.3939	-21.7717	-21.3001	-24.5056	-23.0275	-18.8557	-16.8156	-19.4588	-24.831	-21.9688	-18.2611	-17.0395	-17.0736	-17.0847
115	7.6700117	7.769529	7.572432	6.924874	6.220001	5.675553	5.098931	4.289019	3.345558	2.425131	1.08233	-0.42238	-1.91297	-3.98075	-6.89275	-9.6721	-11.7635	-14.2101	-17.3396	-19.6222	-21.2179	-20.5226	-22.6161	-21.0398	-21.8962	-24.5395	-25.311	-20.8288	-17.8783	-20.3422	-26.2915	-22.4467	-18.7266	-17.7016	-17.4727	-17.1827
120	7.6700117	7.770273	7.580137	6.932037	6.187551	5.537614	4.841218	3.990686	3.121037	2.122763	0.797009	-0.66715	-2.14042	-4.32556	-7.58347	-10.5474	-12.2102	-14.594	-18.9005	-22.7434	-26.0248	-25.8865	-26.0648	-24.303	-24.9171	-25.4621	-23.1808	-19.9276	-22.1147	-28.0153	-23.5555	-19.603	-18.6348	-17.9743	-17.3118	
125	7.6700117	7.775830	7.604506	6.987524	6.17863	5.428556	4.619316	3.646431	2.637449	1.533037	0.340509	-1.38844	-2.93445	-5.17053	-8.38585	-11.1536	-13.1364	-16.579	-22.8384	-25.6647	-28.4634	-28.6355	-28.2278	-25.6063	-35.942	-30.3918	-27.1423	-25.3288	-22.586	-24.4194	-29.3083	-25.1319	-20.9029	-19.8541	-18.5554	-17.4688
130	7.6700117	7.779238	7.617985	7.0307	6.199233	5.360646	4.441099	3.301202	2.082886	0.763512	0.180709	-0.25708	-1.49308	-6.62882	-9.69817	-12.1039	-14.1558	-17.574	-22.9344	-23.6939	-22.8607	-22.7738	-24.2977	-27.9886	-27.6813	-27.9636	-28.4725	-26.7119	-24.4924	-26.0029	-29.2598	-26.7348	-22.9296	-21.3173	-19.177	-17.6497

Raw data – ANT2 (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	7.913329	7.843775	7.85918	7.533737	7.119644	7.090607	6.689003	5.181684	3.51449	2.579763	0.628832	-2.15388	-3.07525	-4.73551	-8.95563	-10.6765	-11.4528	-17.0328	-21.2636	-18.7162	-20.6992	-26.4086	-24.0506	-28.4529	-32.7213	-26.2305	-27.351	-28.6861	-24.9839	-27.52	-22.9696	-22.5621	-22.5822	-22.0541	-23.7869	-22.7916
5	7.913329	7.877171	7.903386	7.612339	7.268584	7.207509	6.770403	5.297311	3.55206	2.435101	0.506917	-2.28472	-3.63468	-5.49535	-9.71674	-12.299	-13.4941	-19.0776	-22.0902	-22.4724	-22.0831	-23.4616	-25.6555	-26.3713	-24.9696	-26.781	-22.7852	-23.9593	-22.6006	-21.5289	-22.9012	-22.6538	-22.6038	-22.5952	-22.6038	
10	7.913329	7.909067	7.944823	7.684335	7.372705	7.291545	6.82266	5.378795	3.592435	2.327414	0.378975	-2.51316	-4.33602	-6.46033	-11.1218	-13.5835	-15.183	-20.6498	-20.9028	-20.7011	-24.8909	-21.8526	-20.741	-23.9593	-26.054	-25.5552	-22.9792	-25.4323	-25.1841	-26.3737	-22.9194	-25.4428	-22.4942	-21.1076	-22.0699	-22.5325
15	7.913329	7.938568	7.979702	7.742052	7.45983	7.345095	6.846457	5.429901	3.628524	2.241575	0.245708	-2.72782	-4.58796	-7.25964	-12.0866	-14.2758	-15.7486	-20.8048	-19.5068	-19.3859	-23.8968	-22.5632	-21.0684	-23.022	-27.0173	-26.6242	-22.7953	-25.3204	-25.1086	-26.1907	-23.5897	-26.7957	-22.3072	-20.7781	-21.3973	-22.4375
20	7.913329	7.964909	8.005038	7.780324	7.515028	7.367355	6.840636	5.44847	3.641489	2.134118	0.064159	-3.0057	-5.49886	-7.66625	-12.1378	-14.6303	-15.628	-20.4916	-20.1517	-19.0236	-22.4228	-24.5758	-21.5255	-22.1697	-25.9812	-24.0769	-23.3131	-24.178	-23.7407	-25.3568	-24.6272	-27.3372	-22.0528	-20.4881	-20.7938	-22.3772
25	7.913329	7.987491	8.018797	7.796735	7.539006	7.358208	6.798354	5.423154	3.610533	1.960185	-0.22434	-3.41068	-5.8607	-7.86352	-12.1625	-14.9586	-15.3947	-19.1871	-23.3217	-22.557	-22.8951	-24.7518	-21.458	-22.2467	-25.5814	-24.1584	-23.5489	-22.6612	-22.563	-24.3491	-25.3997	-26.3769	-21.7079	-20.1773	-20.2827	-22.3583
30	7.913329	8.0059	8.019921	7.79143	7.535722	7.31846	6.709129	5.335072	3.516851	1.694178	-0.68939	-3.92412	-6.31281	-8.19936	-12.1478	-16.3143	-16.6294	-19.1442	-23.1094	-22.5586	-24.7042	-25.9354	-23.6258	-24.2288	-27.4208	-24.9021	-23.4391	-22.2275	-22.795	-24.082	-25.4566	-24.6749	-21.2731	-19.7851	-19.8721	-22.3635
35	7.913329	8.019915	8.008255	7.766544	7.511368	7.251255	6.566221	5.168241	3.352725	1.356751	-1.35339	-4.85579	-7.24523	-9.2944	-13.4722	-18.416	-19.5385	-21.4549	-23.5043	-24.0431	-26.5037	-24.7303	-23.6525	-26.237	-29.1435	-25.3078	-23.3817	-22.9426	-24.3122	-24.5016	-25.0726	-23.2096	-20.8025	-19.338	-19.5562	-22.4638
40	7.913329	8.029906	7.984398	7.725389	7.472981	7.164927	6.375282	4.924467	3.13386	1.027754	-2.07981	-6.2054	-8.97188	-11.8063	-17.7288	-19.7582	-22.206	-24.0847	-20.2897	-19.6477	-21.9834	-20.5609	-18.8798	-22.0621	-26.024	-24.258	-23.2664	-24.1151	-25.8028	-24.8846	-24.5708	-22.2426	-20.3712	-18.8861	-19.3456	-22.5919
45	7.913329	8.034821	7.949523	7.671577	7.426859	7.069993	6.158677	4.633239	2.903981	0.81919	-2.59075	-7.5054	-10.6655	-14.1726	-19.415	-15.1681	-16.863	-19.379	-16.1695	-16.6088	-18.2656	-18.9696	-21.0161	-22.2041	-22.0491	-22.0162	-24.1987	-26.0311	-24.9444	-23.9506	-21.6709	-20.0411	-18.5058	-19.2493	-22.7701	
50	7.913329	8.036166	7.905186	7.608271	7.377187	6.979576	5.952699	4.35057	2.725137	0.839007	-2.54916	-7.97738	-11.4699	-14.4938	-16.321	-13.062	-13.617	-15.1479	-13.4368	-13.9648	-16.9114	-17.2067	-17.1175	-19.3495	-21.3389	-19.9583	-19.7358	-22.0978	-25.143	-24.8207	-23.065	-21.3052	-19.8606	-18.2664	-19.275	-22.9558
55	7.913329	8.033863	7.853169	7.35259	7.32529	6.975784	5.14669	2.650425	1.117586	-1.75491	-6.00501	-10.0887	-12.6559	-15.7624	-13.6254	-13.6555	-15.2183	-13.5212	-13.9889	-17.1373	-17.0854	-15.9408	-17.8352	-20.6967	-19.1925	-18.1647	-19.1795	-23.8733	-21.8336	-21.0053	-19.8757	-18.2158	-19.4242	-23.2555	-22.9544	
60	7.913329	8.028823	7.795365	7.461414	7.269735	6.845893	5.723416	4.085686	2.703948	1.594732	-6.6336	-8.2886	-9.57329	-12.2679	-12.3403	-12.8227	-15.6643	-14.9962	-14.8713	-17.4407	-15.3406	-16.6277	-20.4673	-19.8653	-18.3801	-21.1186	-21.9725	-20.2449	-20.7318	-20.1218	-18.3725	-19.6888	-23.544	-22.544		
65	7.913329	8.021316	7.733606	7.379995	7.207146	6.802862	5.761864	4.196999	2.8949	1.887975	1.888906	-2.00109	-5.51347	-8.1121	-11.0032	-11.8737	-12.3614	-15.1934	-15.6541	-15.1165	-17.0319	-18.1604	-15.8685	-16.8167	-20.5402	-20.7476	-18.1189	-17.9769	-19.9104	-20.2261	-19.157	-20.5013	-20.38	-18.7171	-20.0457	-23.8444
70	7.913329	8.012148	7.670107	7.294177	7.133526	6.76099	5.804293	4.442194	3.209691	2.160365	0.539041	-2.06397	-5.00824	-8.14729	-11.8147	-13.0688	-13.9677	-16.479	-17.0551	-16.4617	-17.5884	-19.749	-17.8676	-18.802	-20.4755	-20.7704	-18.3341	-18.3608	-19.7385	-19.274	-18.2557	-20.3098	-21.1006	-19.1775	-20.4536	-24.1387
75	7.913329	8.002025	7.60654	7.205808	7.045858	6.703589	5.875299	4.720415	3.561508	2.535375	0.566343	-2.16196	-5.45008	-8.83659	-12.5053	-13.3667	-14.8322	-16.8438	-17.7646	-17.9055	-18.7687	-19.956	-20.2065	-21.9683	-23.4233	-21.0218	-18.8655	-19.2477	-20.4342	-19.141	-17.7833	-20.11	-21.3607	-19.6228	-20.8553	-24.4085
80	7.913329	7.991655	7.544933	7.114709	6.943744	6.61542	5.894911	4.916632	3.811185	2.437564	0.428587	-2.43683	-5.46046	-9.01327	-11.1992	-13.2445	-15.0678	-16.0678	-16.0675	-17.0957	-18.4072	-19.1134	-20.3594	-23.7844	-25.1052	-21.9319	-20.3761	-20.9238	-21.6191	-19.5753	-17.6852	-19.865	-21.0696	-19.9023	-21.4171	-24.8154
85	7.913329	7.981719	7.487193	7.026002	6.830645	6.490291	5.830514	4.963041	3.870619	2.35037	0.218607	-2.51244	-5.44842	-8.04717	-9.50549	-13.5562	-13.5236	-13.8341	-14.847	-16.9558	-17.5281	-18.3331	-21.6684	-23.9014	-22.4419	-22.666	-23.3888	-22.7888	-20.1813	-17.8547	-19.6165	-20.3305	-19.9443	-21.4171	-24.8154	
90	7.913329	7.972848	7.435145	6.942995	6.714146	6.334668	5.681027	4.858913	3.759767	2.157787	0.045674	-2.23899	-4.61412	-7.0532	-9.19075	-10.4859	-12.4214	-14.0538	-13.3282	-15.5501	-16.5986	-16.7397	-20.6824	-22.6961	-22.0692	-24.0755	-26.2501	-23.6745	-20.6344	-18.1926	-19.4855	-19.5415	-19.8261	-21.5363	-24.9398	
95	7.913329	7.965066	7.390454	6.868766	6.604841	6.169997	5.472538	4.659095	3.56889	1.993984	-0.00031	-1.9644	-3.79398	-6.20413	-9.21215	-11.0709	-12.2447	-15.514	-14.691	-13.8961	-16.1514	-17.0944	-16.6242	-17.929	-20.1631	-21.5636	-23.2906	-27.4077	-24.2384	-20.9318	-18.6374	-19.6049	-19.0302	-19.7205	-21.5881	-25.0172
100	7.913329	7.960462	7.354541	6.807743	6.513909	6.012269	5.245774	4.398009	3.37776	1.935581	0.067602	-1.76522	-3.27282	-5.84288	-8.7962	-11.0327	-12.3225	-14.5828	-13.7132	-14.6417	-16.819	-18.2631	-17.7162	-18.2843	-20.0558	-21.4645	-21.8055	-25.3302	-24.1629	-21.2587	-19.1367	-20.0495	-18.9595	-19.7934	-21.6131	-25.0064
105	7.913329	7.957786	7.328506	6.762021	6.450122	5.894857	5.043187	4.147944	3.210093	1.955339	1.919675	-1.59457	-3.01751	-4.97393	-8.19367	-10.6009	-11.7908	-14.1573	-15.3895	-14.8433	-17.3132	-19.3536	-19.391	-19.6107	-21.605	-22.0021	-20.925	-23.0417	-23.3719	-21.7027	-19.6008	-20.7843	-19.388	-20.1555	-21.7181	-25.0854
110	7.913329	7.960707	7.308575	6.718108	6.41357	5.826069	4.840165	3.801239	2.930785	1.977063	0.475523	-1.24051	-2.50362	-4.03419	-6.81675	-9.7998	-12.2004	-14.1944	-14.7059	-15.1597	-18.2408	-20.8094	-21.6204	-22.1634	-23.2142	-24.8003	-21.46	-21.5491	-22.1837	-22.9506	-20.1811	-22.2877	-21.6907	-21.9031	-22.1106	-25.1383
115	7.913329	7.967417	7.314958	6.716871	6.431388	5.870007	4.868383	3.775371	2.868402	1.945024	0.527345	-1.07975	-2.30819	-3.94323	-6.80862	-9.54089	-11.7632	-13.9587	-14.2025	-15.385	-18.2025	-20.7623	-21.6384	-22.1074	-23.2141	-24.8338	-21.5805	-21.45	-22.286	-23.7311	-20.459	-22.6203	-23.3552	-23.1754	-23.3932	-25.1878
120	7.913329	7.974812	7.331832	6.725664	6.459989	5.94605	4.968507	3.872011	2.937072	1.974326	0.541633	-1.02456	-2.25723	-4.04113	-6.93348	-9.02115	-10.7647	-13.4091	-14.8449	-15.1204	-17.5418	-20.2031	-21.8424	-22.0891	-21.9311	-23.3889	-21.1945	-21.3933	-23.1059	-20.8644	-22.7393	-24.9716	-24.3717	-22.6832	-25.2554	
125	7.913329	7.985616	7.358518	6.741239	6.487404	6.027794	5.103995	4.058284	3.155647	2.162408	0.651061	-0.90683	-2.18093	-3.96865	-6.77163	-9.07423	-10.1072	-14.1646	-13.6928	-15.8133	-17.8787	-20.282	-21.9412	-22.0812	-23.9424	-20.9254	-21.8497	-23.5251	-21.2607	-22.7591	-25.9897	-24.7938	-22.9732	-25.3456		
130	7.913329	7.998428	7.394104	6.760702	6.502717	6.091006	5.228615	4.2601	3.452165	2.503272	0.94548	-0.7824	-2.0068	-3.71252	-6.5008	-8.71419	-10.4435	-13.1955	-14.231	-14.5965	-17.2115	-20.5242	-22.6242	-22.0893	-21.8745	-25.4768	-21.041	-20.4327	-21.2156	-22.3874	-21.3133	-22.5206	-25.6668	-24.6782	-23.1052	-25.4586
140																																				

Raw data – ANT2 (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	7.6269453	7.571373	7.780458	7.57753	7.172082	7.252091	7.022499	5.650494	4.259752	3.006966	1.523024	-1.75716	-2.79189	-4.70213	-6.09443	-10.8975	-11.6649	-18.5124	-22.4152	-19.5289	-22.3877	-26.6471	-21.6682	-27.8546	-24.1789	-23.9399	-24.8065	-33.8113	-28.1979	-29.1044	-21.4439	-20.8413	-22.2175	-21.0857	-22.5114	-21.0739
5	7.6269453	7.605508	7.814782	7.634424	7.280778	7.323748	7.055892	5.709853	4.180853	3.2743	1.161272	-2.91082	-3.52205	-5.57145	-12.4372	-12.5396	-14.2544	-24.5544	-22.0432	-22.5311	-21.6889	-27.5275	-20.2229	-26.86	-20.4404	-20.793	-21.6958	-20.5862	-20.793	-21.6958	-20.5862	-20.793	-21.6958	-20.5862	-20.793	-21.6958
10	7.6269453	7.637761	7.845606	7.689002	7.381123	7.38375	7.07303	5.745215	4.112024	2.973508	0.760485	-2.58651	-4.11448	-6.27853	-11.4738	-12.7289	-14.9419	-21.4521	-17.8058	-19.4432	-26.158	-19.8338	-18.7326	-23.3982	-24.9768	-21.6146	-20.1347	-25.1907	-29.8437	-24.6743	-19.7954	-20.7392	-21.1131	-20.0032	-21.0774	-21.0794
15	7.6269453	7.667044	7.868909	7.734622	7.467034	7.431855	7.077364	5.764465	4.069149	2.737646	0.461517	-2.87331	-4.54445	-6.6425	-11.1737	-12.4111	-14.0626	-20.2929	-17.1935	-17.8427	-26.0059	-19.4726	-20.6402	-22.9153	-25.0491	-21.3611	-20.1067	-25.0608	-27.5599	-23.0785	-19.4906	-20.5868	-20.4507	-19.3324	-21.0792	
20	7.6269453	7.693857	7.884954	7.766085	7.533385	7.466135	7.067656	5.767108	4.037364	2.54489	0.219954	-3.09492	-4.79388	-6.6653	-11.5976	-12.8584	-13.9382	-20.5851	-18.7609	-17.9604	-23.3581	-20.2841	-20.5635	-22.1962	-24.7084	-21.6432	-21.2117	-24.7773	-24.1495	-21.716	-19.3427	-20.3201	-19.7565	-18.6383	-19.6929	-21.1101
25	7.6269453	7.716712	7.889442	7.78017	7.57863	7.481905	7.034216	5.739906	3.992158	2.348213	-0.03316	-3.31266	-5.1338	-6.79854	-11.379	-13.708	-14.6655	-21.2321	-22.2683	-14.9628	-23.598	-20.6402	-22.0575	-22.3728	-24.416	-21.9304	-22.7932	-23.4416	-21.9304	-20.7839	-19.2188	-19.7254	-19.1326	-17.9526	-19.0219	-21.1408
30	7.6269453	7.735748	7.882579	7.779923	7.601108	7.474062	6.961978	5.657299	3.896795	2.091979	-0.4156	-3.68649	-5.62296	-7.50058	-12.5038	-15.2052	-16.368	-21.723	-23.4417	-22.0077	-22.9079	-26.2612	-22.8636	-23.9993	-27.1446	-23.8538	-23.7973	-22.4724	-21.3546	-20.5391	-19.1531	-19.2942	-18.6842	-17.343	-18.4767	-21.2345
35	7.6269453	7.75903	7.86455	7.754621	7.603844	7.441564	6.840467	5.495429	3.715423	1.729966	-1.06349	-4.55335	-6.62692	-9.11469	-13.0356	-17.0624	-19.3629	-22.5898	-19.8551	-21.0028	-25.4029	-22.567	-21.4001	-21.0411	-22.8546	-23.29	-22.1664	-21.95	-20.8109	-19.2136	-18.473	-16.8556	-18.0704	-21.2428		
40	7.6269453	7.783495	7.836312	7.719329	7.592679	7.390855	6.678342	5.256793	3.448798	1.26776	-1.9775	-6.037	-8.08915	-11.3068	-17.4825	-15.527	-17.9897	-20.8591	-19.7083	-18.5432	-18.5441	-22.1463	-24.8286	-22.3884	-21.6719	-21.776	-22.7174	-21.1287	-19.3702	-20.2925	-18.5044	-16.5214	-17.7928	-20.2919		
45	7.6269453	7.770479	7.790415	7.674107	7.574688	7.335392	6.503272	4.988864	3.168804	0.902798	-2.79051	-3.3811	-8.6139	-11.4085	-14.567	-11.9178	-13.7534	-16.3713	-14.7354	-16.0681	-15.7204	-15.7793	-19.1562	-22.0089	-20.3492	-19.3608	-20.4208	-22.6492	-21.2448	-19.5146	-18.6784	-18.7425	-17.3484	-20.3484		
50	7.6269453	7.755959	7.755787	7.623034	7.55622	7.200919	6.259489	4.773281	3.006620	0.838382	-2.86235	-7.04866	-9.67465	-12.1659	-10.3645	-11.11	-13.8189	-11.829	-10.7827	-14.264	-14.5493	-14.541	-17.4085	-20.5047	-18.5438	-17.1212	-18.9085	-21.4546	-21.1232	-19.3702	-20.1457	-16.3835	-17.6225	-17.3947		
55	7.6269453	7.778304	7.707517	7.569316	7.540662	7.268839	6.287635	4.698678	3.072375	1.208692	-1.87396	-5.26928	-6.18979	-8.06351	-11.316	-10.8039	-11.3035	-13.378	-12.1636	-12.4245	-14.711	-14.8098	-14.2617	-16.5815	-19.7587	-17.6886	-15.8043	-16.7573	-19.762	-20.4593	-19.2295	-20.497	-19.7027	-16.5978	-17.7141	-21.4202
60	7.6269453	7.770234	7.656674	7.514736	7.521767	7.270913	6.305679	4.805943	3.375564	1.836479	-0.6651	-3.51108	-4.8745	-6.72051	-10.0365	-11.4453	-12.0035	-14.7669	-14.5454	-17.0589	-16.8148	-15.0679	-16.3272	-19.2348	-17.7549	-15.5418	-15.9599	-18.2932	-19.2485	-18.7012	-20.8373	-20.4279	-16.9939	-17.8865	-21.4142	
65	7.6269453	7.779062	7.605192	7.4596204	7.511097	7.287448	6.397305	5.062872	3.82341	2.45232	0.151569	-2.73111	-4.60423	-6.52932	-9.65921	-11.0776	-12.3443	-16.0954	-17.2834	-16.3379	-18.891	-19.8302	-16.8966	-17.268	-19.4082	-18.2933	-15.98	-15.9838	-17.5359	-18.1436	-18.1603	-21.2117	-21.28	-17.5337	-18.102	-20.3681
70	7.6269453	7.778477	7.554829	7.403299	7.485304	7.299549	6.515453	5.373106	4.278699	2.914665	0.50021	-2.85894	-5.24446	-7.73676	-10.7349	-11.5991	-12.6718	-16.8805	-17.6511	-16.8787	-19.5796	-22.0676	-19.3295	-19.4713	-20.8046	-19.1358	-16.8452	-16.7558	-17.6579	-17.661	-17.863	-21.5967	-22.0089	-18.1292	-18.31	-21.278
75	7.6269453	7.77816	7.507184	7.344826	7.442349	7.284762	6.600792	5.621518	4.608294	3.172814	0.571441	-3.23428	-6.52892	-8.63301	-10.7335	-10.9555	-11.9404	-15.3828	-16.0064	-16.1208	-19.0142	-21.2116	-20.467	-21.8399	-22.9292	-20.3983	-18.3285	-18.348	-18.614	-17.8966	-17.9051	-21.8081	-22.136	-18.6396	-18.4602	-21.1457
80	7.6269453	7.778755	7.463754	7.283821	7.37728	7.224233	6.609492	5.724869	4.725518	3.201897	0.515653	-3.24174	-6.00639	-7.35338	-8.76429	-9.4203	-10.6249	-13.3265	-14.2384	-14.8495	-17.5477	-18.8651	-19.2061	-22.0153	-21.1625	-20.5935	-20.8209	-20.1369	-18.6204	-18.1824	-21.6857	-21.4593	-18.9233	-18.5189	-20.9489	
85	7.6269453	7.780843	7.425986	7.22108	7.288662	7.108701	6.505743	5.658029	4.625984	3.048593	0.475062	-2.69027	-4.57595	-5.54034	-7.05562	-8.31138	-9.73521	-12.0453	-12.8285	-13.4259	-16.023	-17.3925	-17.2363	-19.5585	-22.6669	-22.0529	-22.4814	-23.5797	-21.7345	-19.3457	-18.447	-21.3408	-20.4089	-18.9439	-18.4837	-20.7998
90	7.6269453	7.784929	7.395302	7.158842	7.180944	6.941267	6.309231	5.448907	4.384007	2.849426	0.598136	-1.89445	-3.53132	-4.92006	-6.08953	-6.98468	-12.0558	-12.5213	-12.5213	-15.053	-16.5641	-15.9702	-17.3088	-19.99	-20.8096	-21.7265	-24.2024	-22.9484	-19.6557	-18.4907	-21.0756	-19.5092	-18.8144	-18.3834	-20.5933	
95	7.6269453	7.791415	7.373072	7.100632	7.061586	6.736632	6.041592	5.152109	4.098874	2.718935	0.847894	-1.27372	-3.16455	-5.35139	-8.19242	-9.98214	-11.1887	-13.452	-13.8857	-13.1006	-15.0586	-16.5892	-16.5692	-16.6331	-18.5183	-19.4185	-19.6787	-22.3565	-23.5394	-19.6629	-18.3306	-21.1283	-19.0279	-18.7184	-18.2643	-20.4045
100	7.6269453	7.800589	7.360549	7.050717	6.942434	6.517891	5.738422	4.81977	3.828692	2.647244	1.045769	-0.95062	-3.00058	-5.7035	-8.9591	-10.8409	-12.1157	-14.5933	-15.4893	-14.3104	-16.5787	-17.6737	-17.2725	-17.5824	-18.7887	-18.9524	-18.2812	-20.398	-23.3906	-19.7517	-18.1329	-21.5657	-19.0553	-18.8148	-18.1709	-20.2629
105	7.6269453	7.812609	7.358757	7.013302	6.841831	6.312238	5.437687	4.489317	3.576988	2.55584	1.085803	-0.84548	-2.92639	-5.36814	-8.57773	-11.017	-12.5213	-14.6451	-15.5918	-15.1113	-17.3018	-19.1229	-19.3409	-19.6875	-20.6908	-19.6884	-18.0175	-19.4461	-22.6298	-20.0738	-18.0167	-22.7271	-19.6139	-19.2077	-18.1337	-20.0191
110	7.6269453	7.826519	7.368386	6.991705	6.766023	6.146188	5.177418	4.192735	3.335865	2.478884	0.985151	-0.83362	-2.59613	-4.60956	-7.75422	-10.9581	-12.0867	-14.7784	-15.2049	-15.4275	-17.4519	-18.8342	-18.8216	-21.7391	-23.4031	-21.3894	-18.7482	-19.369	-21.6064	-20.4966	-18.0192	-22.9901	-20.7127	-19.9544	-18.1642	-20.008
115	7.6269453	7.845115	7.389689	6.987966	6.724111	6.040364	4.993099	3.969627	3.130736	2.220294	0.816054	-0.85386	-2.82301	-4.06067	-7.28294	-10.8569	-13.202	-14.4057	-15.278	-15.8872	-18.1581	-19.6264	-20.9928	-22.4483	-24.3958	-23.1673	-19.8241	-19.6801	-20.7613	-20.8672	-18.1854	-23.5311	-22.3746	-21.0649	-18.2561	-19.9618
120	7.6269453	7.861594	7.422426	7.001181	6.717409	6.040454	4.905972	3.861929	3.021462	2.087411	0.657564	-0.92038	-2.80845	-4.06728	-7.45734	-10.5398	-12.5966	-14.4401	-15.8925	-15.1123	-17.9925	-19.1223	-18.8267	-22.3485	-23.067	-24.1143	-20.5183	-20.0576	-20.4146	-21.1298	-18.6247	-24.0135	-24.6472	-22.4569	-18.39	-19.9671
125	7.6269453	7.887304	7.465841	7.030251	6.741023	6.034207	4.929961	3.887872	3.059462	2.092205	0.593202	-0.99902	-2.2903	-4.29535	-7.53752	-9.56727	-11.3351	-14.8227	-16.1255	-15.6241	-17.2134	-18.8454	-21.1095	-22.1836	-21.6406	-24.6349	-20.9284	-20.5412	-20.5068	-21.6179	-19.4529	-24.6576	-27.4852	-23.8183	-18.5418	-20.0623
130	7.6269453	7.910808	7.518687	7.071554	6.785011	6.112315	5.031241	4.002029	3.233489	2.261951	0.685154	-0.98807	-2.27542	-4.22954	-7.93189	-10.5899	-13.8482	-15.1896	-14.6244	-16.7999	-19.1185	-21.1025	-22.0832	-23.8237	-25.0535	-21.498	-21.202	-20.9619	-21.9553	-20.6105	-25.1696	-29.8428	-24.5088	-18.6925	-20.1403	
13																																				

Raw data – ANT2 (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	7.0867808	6.853869	6.945875	6.661537	6.276201	6.434488	6.227592	4.863964	3.630926	3.203817	1.198091	-2.13586	-3.21197	-5.31409	-10.5301	-11.2378	-12.1781	-19.5663	-20.8258	-19.3985	-23.9101	-25.7035	-20.7906	-26.1021	-25.1676	-23.4483	-24.0769	-28.269	-25.067	-27.314	-21.8935	-21.177	-22.4247	-19.6625	-19.7812	-19.7489
5	7.0867808	6.898423	7.008458	6.732276	6.3978	6.497088	6.240964	4.863964	3.513410	3.838462	0.780864	-2.80044	-4.91887	-6.39715	-11.4592	-12.4653	-14.6332	-22.9231	-18.6011	-20.1934	-24.1754	-23.5388	-24.761	-21.6042	-24.2562	-24.5151	-24.984	-28.1514	-21.071	-21.865	-18.9098	-19.0691	-19.6373	-19.7812	-19.7489	
10	7.0867808	6.94281	7.071047	6.842739	6.508874	6.548935	6.273122	4.861747	3.438096	3.521823	0.437668	-2.73611	-4.23605	-5.43745	-11.9722	-12.4305	-14.7445	-21.2019	-16.2039	-19.7197	-23.5388	-24.761	-21.6042	-24.2562	-24.5151	-24.984	-28.1514	-21.071	-21.865	-18.9098	-19.0691	-19.6373	-19.7812	-19.7489		
15	7.0867808	6.985918	7.120016	6.925366	6.605263	6.591734	6.208375	4.901784	3.41177	2.267095	0.161666	-2.92076	-4.2647	-6.6714	-12.3549	-12.1267	-13.7137	-20.2049	-15.7871	-16.5588	-22.2695	-19.3322	-19.087	-21.673	-24.047	-20.1701	-19.4303	-21.9519	-23.9154	-22.9886	-20.0442	-21.5598	-20.6417	-17.5513	-17.8696	-19.4777
20	7.0867808	7.02679	7.178921	6.994445	6.684394	6.626534	6.317499	5.096307	3.400799	2.025534	-0.10781	-3.15764	-4.7423	-6.91397	-12.5525	-12.7003	-13.4633	-20.193	-17.222	-16.9058	-22.1896	-20.0001	-19.0114	-21.2062	-24.7578	-20.9606	-20.2042	-21.4348	-22.3263	-22.355	-20.5453	-21.5429	-19.6719	-16.9966	-17.431	-19.4371
25	7.0867808	7.06465	7.218248	7.046521	6.745012	6.642447	6.312195	5.130715	3.374543	1.75173	-0.43335	-3.42181	-5.20744	-7.24238	-12.3469	-13.517	-15.7153	-21.1927	-16.9945	-18.6988	-23.3963	-20.1707	-21.2827	-25.1127	-22.6138	-21.3271	-20.5142	-20.6144	-21.5334	-20.8931	-21.0897	-19.0267	-16.5744	-17.1219	-19.4979	
30	7.0867808	7.098989	7.245519	7.080593	6.787582	6.638942	6.258827	5.093274	3.293666	1.424613	-0.86749	-3.71665	-5.64881	-7.89775	-12.7297	-14.1196	-15.4106	-22.9888	-22.3189	-20.9134	-25.9413	-24.761	-20.9492	-24.4136	-27.9725	-25.0067	-22.1833	-19.979	-20.0334	-21.189	-20.9819	-20.5886	-18.6826	-16.3181	-16.9536	-19.4574
35	7.0867808	7.129479	7.260519	7.098012	6.815069	6.611279	6.214348	4.948153	3.10927	1.009737	-1.48914	-4.2006	-6.06448	-8.77844	-13.7894	-14.7979	-17.0138	-22.6598	-20.1934	-25.975	-22.2139	-20.1923	-23.481	-31.367	-26.164	-21.9239	-19.859	-20.4503	-21.4474	-21.0994	-20.4718	-18.7198	-16.2479	-16.9345	-19.5194	
40	7.0867808	7.156507	7.263662	7.102021	6.833244	6.656704	5.967135	4.697488	2.811441	0.507167	-2.27175	-4.85849	-6.4149	-9.44707	-14.3765	-14.2307	-16.5575	-21.3604	-19.7325	-17.1791	-19.5019	-18.7197	-18.0879	-22.1051	-28.1831	-24.3894	-20.4783	-19.5977	-21.1135	-21.9282	-21.4387	-20.8959	-19.1278	-16.3686	-17.0693	-19.6111
45	7.0867808	7.178739	7.256277	7.096898	6.849711	6.51821	5.774073	4.406948	2.496648	0.801815	-2.86429	-5.12039	-6.25019	-9.2194	-13.3376	-12.6691	-13.9675	-16.2929	-15.0802	-14.47	-16.4615	-16.2433	-16.0288	-19.2182	-23.7126	-21.2591	-18.5235	-18.9141	-21.4323	-22.3574	-21.9116	-17.7461	-19.804	-16.6717	-17.3565	-19.7424
50	7.0867808	7.197957	7.240104	7.086846	6.871599	6.489226	5.620044	4.191667	2.352725	0.034086	-2.77146	-4.67657	-5.68466	-8.50843	-12.1839	-11.6156	-12.1663	-13.9412	-12.8016	-12.6665	-14.7055	-14.9368	-14.7813	-17.1183	-19.986	-18.6472	-16.835	-18.0408	-21.2546	-22.4888	-22.0754	-22.668	-20.5758	-17.1381	-17.7851	-19.8459
55	7.0867808	7.214142	7.217085	7.074098	6.902803	6.49465	5.572794	4.155785	2.516605	0.488362	-2.02468	-3.91413	-5.19583	-8.07322	-12.1488	-12.2577	-11.8717	-13.1942	-12.8766	-12.8693	-15.1772	-14.6836	-16.2317	-16.8366	-17.3121	-16.0825	-17.5383	-20.5464	-21.4615	-21.3497	-23.2424	-21.2831	-17.7369	-18.3273	-19.9615	
60	7.0867808	7.227891	7.189159	7.062265	6.942083	6.537969	5.605601	4.325649	2.946057	1.192442	-1.20542	-3.40985	-5.09118	-7.8715	-12.2834	-13.8101	-15.1227	-17.7603	-15.7276	-15.5961	-17.9206	-17.621	-16.1509	-16.7855	-17.9629	-17.1481	-16.4679	-17.873	-19.773	-19.672	-19.9166	-23.369	-21.8698	-18.4148	-18.9274	-20.0543
65	7.0867808	7.239896	7.158136	7.048145	6.982978	6.607405	5.740217	4.632032	3.466568	1.818027	-0.76323	-3.62962	-5.79006	-8.56014	-12.7947	-14.7148	-16.8283	-21.8539	-19.4943	-19.2152	-22.1941	-21.6814	-19.2347	-19.1074	-19.0855	-17.952	-17.7559	-19.173	-19.6179	-18.2423	-18.5406	-23.2595	-22.3305	-19.0746	-19.493	-20.1088
70	7.0867808	7.250904	7.125682	7.030407	7.015562	6.679338	5.902344	4.952049	3.896895	2.190437	-0.7534	-4.53025	-7.51334	-10.2424	-13.4504	-14.164	-16.1232	-20.2633	-19.1092	-19.4184	-22.8936	-23.5912	-22.2021	-22.6487	-21.6356	-19.5117	-19.4999	-21.2569	-20.4041	-21.6985	-17.6626	-23.0107	-22.5455	-19.5626	-19.9024	-20.114
75	7.0867808	7.261691	7.059373	7.00655	7.029344	6.726363	6.026047	5.17349	4.121707	2.267663	-1.01564	-5.43955	-8.43431	-11.9144	-11.8904	-13.4431	-16.3039	-16.2646	-16.9466	-19.4485	-20.3789	-21.5571	-23.9569	-23.9328	-22.0662	-21.504	-23.8537	-22.0106	-18.0262	-17.3301	-22.5413	-22.2889	-19.7212	-22.5455	-19.0047	-20.664
80	7.0867808	7.272304	7.062812	6.974831	7.016233	6.726175	6.064404	5.238772	4.115876	2.104772	-1.30693	-5.42807	-7.54512	-8.53927	-11.8158	-10.3621	-11.9062	-14.4387	-14.6339	-15.4161	-17.6113	-17.8222	-19.2245	-22.8632	-22.4042	-21.8967	-23.8697	-27.0018	-23.7849	-18.9274	-17.3844	-21.8679	-21.5923	-19.5126	-19.9125	-19.9694
85	7.0867808	7.283656	7.035729	6.935156	6.972724	6.66736	6.000549	5.151611	3.942367	1.483824	-1.27738	-4.26683	-6.42772	-8.4154	-8.85106	-11.6215	-14.3824	-14.5546	-14.9165	-17.6886	-17.8528	-19.0299	-21.1946	-22.951	-22.036	-25.161	-20.2869	-24.9488	-19.8851	-17.5849	-21.2209	-20.7432	-19.074	-19.5671	-19.8353	
90	7.0867808	7.300195	7.014037	6.889529	6.900852	6.550514	5.842291	4.953562	3.712307	1.770167	-0.79769	-2.99026	-4.00677	-5.73304	-8.49022	-10.5771	-12.335	-13.5163	-15.7481	-14.972	-17.5701	-18.8392	-17.8639	-19.3164	-21.0893	-21.0992	-23.1784	-29.0742	-25.6135	-20.4654	-17.7461	-20.8541	-20.0005	-18.6178	-19.1399	-19.6976
95	7.0867808	7.317269	6.999814	6.841984	6.807965	6.38609	5.609257	4.688783	3.507349	1.858102	-0.20443	-2.20734	-3.40922	-4.62352	-9.34192	-11.8718	-13.7107	-16.2834	-17.8	-15.9863	-17.8713	-19.8577	-20.071	-20.827	-25.2925	-26.0256	-20.7699	-17.8462	-20.8898	-19.8197	-18.3173	-18.7425	-19.5195	-19.7397		
100	7.0867808	7.337307	6.995192	6.798062	6.706621	6.191068	5.323689	4.381076	3.525832	1.969168	0.154236	-2.02839	-2.46537	-4.67688	-9.39464	-11.6549	-13.8016	-16.455	-17.7422	-16.783	-18.718	-20.3616	-20.0010	-20.3601	-20.9126	-20.3389	-19.8051	-23.0006	-25.7418	-21.1785	-17.9749	-21.2993	-19.9957	-18.7781	-18.4462	-19.3712
105	7.0867808	7.360088	7.002184	6.76396	6.6079	5.990387	5.01077	4.039194	3.011918	1.959342	0.191795	-2.1488	-4.44467	-6.05013	-9.02121	-11.7707	-13.569	-15.7369	-16.4669	-16.6929	-18.7726	-20.8406	-22.1322	-23.154	-24.583	-22.2973	-20.2021	-22.2598	-24.4375	-21.7457	-18.1937	-21.9391	-20.63	-18.5585	-18.2846	-19.2462
110	7.0867808	7.387301	7.022248	6.745539	6.529264	5.809572	4.705084	3.681996	2.848026	1.783073	0.001424	-2.31894	-2.79699	-5.9755	-8.99485	-12.816	-13.9125	-16.0215	-16.1334	-17.2125	-18.6025	-20.3073	-22.2286	-23.2813	-27.3015	-25.501	-21.6528	-22.3674	-22.6428	-22.0616	-18.4991	-22.6701	-21.7305	-19.1714	-18.2625	-19.1162
115	7.0867808	7.41732	7.057238	6.747398	6.48209	5.677687	4.453426	3.358963	2.544185	1.513834	-0.26732	-2.42388	-3.29666	-5.56132	-8.93663	-12.9486	-14.5779	-14.906	-16.6983	-17.9135	-18.8038	-20.3971	-21.2238	-21.918	-24.5072	-22.5699	-22.9865	-22.5182	-21.3118	-21.9084	-18.9169	-23.5661	-23.354	-20.1091	-18.3651	-19.1771
120	7.0867808	7.450403	7.10892	6.772169	6.472323	5.617954	4.305417	3.144915	2.324287	1.293155	-0.47027	-2.47165	-3.87698	-5.61148	-8.97587	-11.4768	-13.1682	-15.1131	-17.4118	-17.4619	-17.36	-18.3443	-20.414	-21.394	-22.1247	-27.1353	-23.3284	-22.8579	-21.0673	-21.7579	-19.5728	-25.002	-25.4867	-21.8625	-18.5627	-19.1183
125	7.0867808	7.480679	7.171181	6.820159	6.507254	5.64082	4.203938	3.102871	2.287524	1.267495	-0.47667	-2.40467	-3.8846	-5.72112	-8.48268	-9.459	-11.5433	-15.0165	-17.272	-15.926	-16.387	-17.9415	-20.1504	-21.1692	-20.8273	-27.3993	-23.8018	-24.055	-22.1019	-21.9955	-20.5726	-27.4744	-27.4485	-22.3482	-18.8177	-19.1675
130	7.0867808	7.523678	7.24884	6.889499	6.575927	5.739951	4.236013	3.292323	2.467722	1.495168	-0.21874	-2.11386	-3.57929	-7.79144	-8.98563	-10.9938	-12.6132	-13.393	-20.3568	-1.1677	-20.4128	-26.6948	-25.0157	-25.9227	-23.6198	-22.3538	-21.6841	-20.2736	-22.7378	-22.5453	-22.8559	-19.0947	-19.2646			
135	7.0867808																																			

Raw data – ANT2 (5.85GHz)

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	7.6667221	7.553839	7.649647	7.334061	6.796815	6.664337	6.282014	4.864435	3.289899	2.416135	0.265895	-3.043886	-4.032	-6.39467	-13.553	-14.6401	-15.8388	-26.9954	-22.433	-21.957	-20.8308	-22.726	-21.734	-20.139	-25.805	-24.948	-23.2528	-26.653	-22.9732	-30.612	-23.4976	-20.9685	-22.3559	-22.9502	-21.689	-20.4728
5	7.6667221	7.586175	7.672262	7.353463	6.853677	6.708809	6.289451	4.832675	3.0574	2.0937	0.020285	-2.98829	-4.50059	-7.47796	-13.6259	-17.0421	-23.5673	-31.3815	-28.8038	-23.7199	-18.4032	-16.6046	-24.7211	-26.7426	-23.7359	-22.7389	-23.3106	-23.4555	-26.994	-22.4972	-21.3594	-22.4539	-22.4269	-20.8726	-20.776	
10	7.6667221	7.616778	7.690247	7.362739	6.88703	6.722774	6.282977	4.80922	2.892678	1.740831	-0.06945	-3.08771	-5.19076	-8.49922	-13.8929	-15.5827	-20.1806	-28.1703	-24.7427	-15.8776	-20.0172	-17.6035	-22.6329	-22.1461	-25.7639	-21.6062	-19.3134	-20.5112	-22.4997	-25.284	-22.231	-22.093	-22.5475	-21.7548	-20.0975	-20.0443
15	7.6667221	7.646451	7.701846	7.360254	6.897026	6.719212	6.264916	4.780601	2.752116	1.457307	-0.32569	-3.69161	-5.16067	-8.4906	-13.5299	-15.9758	-20.5854	-28.1576	-24.5382	-15.3782	-19.3015	-17.9323	-22.6329	-22.1461	-25.7639	-21.6062	-19.3134	-20.5112	-22.4997	-25.284	-22.231	-22.093	-22.5475	-21.7548	-20.0975	-20.0443
20	7.6667221	7.669242	7.706101	7.346198	6.886509	6.692065	6.223554	4.728575	2.594194	1.105633	-0.75888	-4.0733	-7.15525	-10.0673	-14.4477	-13.003	-13.9558	-20.489	-18.4174	-13.6808	-20.0106	-21.9451	-20.3617	-20.8655	-23.3012	-21.9247	-21.2551	-21.9223	-24.1727	-25.9192	-24.0142	-23.1424	-21.8403	-20.0684	-18.7876	-19.7549
25	7.6667221	7.690161	7.702829	7.322998	6.806166	6.64077	6.139166	4.624764	2.393433	0.572904	-1.25813	-4.57715	-7.5886	-9.61893	-13.5858	-14.976	-25.394	-20.266	-21.9589	-15.6102	-24.7562	-20.2675	-23.312	-25.8637	-25.0315	-24.4184	-22.8152	-23.762	-24.7768	-24.0352	-22.2576	-21.1443	-19.2458	-18.3026	-19.6766	
30	7.6667221	7.701718	7.692513	7.294716	6.826702	6.561974	5.993612	4.37695	2.128866	0.189164	-1.80038	-4.8613	-7.5007	-9.00317	-12.3685	-15.2459	-16.6863	-23.117	-26.1448	-25.0723	-23.6911	-20.9655	-27.6789	-25.5435	-29.5086	-26.6034	-26.8413	-23.4868	-23.318	-23.1254	-22.6324	-20.9951	-20.5971	-18.5662	-17.959	-19.6453
35	7.6667221	7.720221	7.676123	7.266599	6.794353	6.462119	5.187206	4.146845	1.761851	-0.33077	-2.37272	-5.07494	-7.22274	-9.03697	-12.5634	-16.3936	-23.4516	-22.8993	-23.6465	-26.3899	-26.497	-24.3613	-26.6193	-24.2948	-23.302	-21.9202	-21.1449	-20.0558	-20.3864	-18.0866	-17.774	-19.6614	-18.506	-17.774	-19.6614	
40	7.6667221	7.729363	7.654899	7.244147	6.77499	6.356565	5.524786	3.772264	1.292575	-0.977	-2.99408	-5.29303	-7.2235	-9.80452	-13.9456	-14.7083	-16.936	-21.5149	-18.1372	-17.8794	-19.3425	-19.8066	-19.6445	-21.841	-22.9937	-22.6739	-24.1905	-23.1941	-22.5766	-21.1704	-20.1593	-19.5803	-20.542	-17.8346	-17.7621	-19.7219
45	7.6667221	7.734802	7.6301	7.232404	6.78046	6.269728	5.266332	3.393594	0.849309	-1.54618	-3.49479	-5.21834	-6.90246	-10.2819	-14.5547	-13.0971	-14.1626	-17.5724	-18.6578	-17.0301	-17.7669	-17.3251	-19.6741	-21.724	-21.9766	-21.2124	-20.9832	-21.7543	-21.0565	-19.6178	-19.4078	-20.9803	-17.8218	-17.9346	-19.8209	
50	7.6667221	7.736847	7.602775	7.234531	6.820404	6.229729	5.065908	3.12094	0.64816	-1.75477	-3.75939	-5.14163	-6.46625	-9.49057	-12.9604	-11.9611	-12.7246	-15.704	-12.083	-14.1023	-15.1988	-15.5693	-15.6243	-18.6925	-22.2965	-21.3459	-18.658	-19.3691	-21.9475	-21.7247	-19.2633	-19.3267	-21.5848	-18.0557	-18.2985	-19.9498
55	7.6667221	7.739901	7.573585	7.250962	6.898497	6.259432	4.976297	3.028546	0.779958	-1.47913	-3.82587	-5.66423	-6.94352	-9.25208	-11.1007	-10.3668	-11.9535	-13.7583	-12.8291	-14.8243	-17.9333	-19.9988	-19.8492	-16.9239	-18.3804	-22.5335	-22.2651	-18.7921	-21.2714	-22.3339	-18.5437	-18.8572	-18.952	-20.0626	-20.4665	
60	7.6667221	7.732443	7.542718	7.278848	7.012017	6.366761	5.025314	3.12196	1.113106	-0.98653	-3.73227	-6.498	-8.7882	-10.1769	-10.4847	-9.76683	-10.8161	-12.7249	-12.0933	-12.6064	-15.4505	-15.7792	-15.2221	-17.8113	-20.4663	-18.8408	-16.503	-18.1894	-21.9991	-21.1251	-18.1026	-19.361	-23.3857	-19.2638	-19.5757	-20.2362
65	7.6667221	7.727022	7.509933	7.312281	7.146815	6.538662	5.204776	3.36376	1.476272	-0.62243	-3.76456	-7.09491	-8.60035	-10.387	-11.147	-10.3209	-11.326	-13.5459	-13.108	-17.6309	-17.3466	-19.0728	-19.7005	-17.1027	-19.3563	-17.4288	-19.7551	-25.0158	-20.2316	-20.4148	-20.362	-20.645	-20.453	-20.453	-20.453	
70	7.6667221	7.720244	7.474725	7.343283	7.284128	6.743067	5.468997	3.700461	1.817482	-0.44364	-3.93975	-7.4884	-8.07067	-9.01862	-10.7149	-10.5724	-11.806	-15.105	-15.1978	-15.2476	-17.9597	-18.5547	-18.4114	-21.8902	-23.9142	-21.6888	-19.576	-21.336	-20.8732	-18.4192	-17.0834	-20.4955	-27.3185	-21.234	-21.2561	-20.455
75	7.6667221	7.712764	7.436583	7.363352	7.402699	6.938976	5.750251	4.066311	2.168916	-0.22319	-3.8996	-7.55425	-7.72415	-8.13974	-9.89257	-10.4662	-11.7443	-15.5309	-16.7091	-15.558	-16.6244	-17.7722	-18.834	-22.7566	-25.0387	-21.9929	-20.9107	-23.7957	-21.78	-18.6214	-17.2158	-21.3903	-28.9487	-21.9743	-21.9302	-20.465
80	7.6667221	7.705278	7.395302	7.365138	7.483909	7.089021	5.984467	4.393562	2.54425	0.245665	-3.02489	-6.29155	-7.1732	-8.05255	-10.3811	-11.5064	-12.6942	-16.0476	-16.7735	-15.3926	-15.9698	-16.7353	-18.0722	-22.3671	-24.979	-22.3413	-22.1593	-25.9423	-23.6329	-19.794	-17.7574	-21.9809	-27.3374	-22.1253	-22.236	-20.465
85	7.6667221	7.697589	7.351273	7.343885	7.51523	7.167936	6.129628	4.634097	2.913119	0.919524	-1.6033	-4.08859	-5.5775	-7.39921	-10.2744	-12.9037	-14.1314	-16.1147	-17.4092	-16.0959	-17.6192	-17.7157	-18.016	-22.5	-25.9534	-23.602	-22.8954	-26.6665	-25.8381	-21.2698	-18.426	-21.8938	-24.59	-21.7206	-22.1256	-20.4255
90	7.6667221	7.693191	7.30659	7.298373	7.4919	7.164807	6.16824	4.767096	3.233618	1.589709	-0.70004	-2.50803	-4.29904	-6.0689	-10.4447	-12.9444	-14.4372	-19.7784	-18.1606	-16.8562	-20.0287	-20.1043	-18.527	-21.0492	-23.009	-22.2234	-20.9855	-24.2691	-26.4376	-21.9005	-18.8665	-21.3191	-22.6041	-21.1409	-21.7442	-20.3214
95	7.6667221	7.690045	7.306632	7.231266	7.417146	7.08146	6.100055	4.790242	3.463406	2.061857	-1.47021	-2.1024	-4.1801	-6.62212	-9.6611	-11.0381	-13.1482	-16.5848	-16.7308	-15.9455	-17.9023	-18.4578	-20.077	-20.707	-20.6434	-18.9878	-21.7022	-25.811	-21.7997	-19.0008	-20.7087	-21.555	-20.7428	-21.2745	-20.3924	
100	7.6667221	7.689746	7.218979	7.14887	7.301529	6.930425	5.95832	4.701225	3.560726	2.267348	0.175016	-2.58676	-4.84167	-6.8106	-8.96869	-9.75562	-11.243	-14.926	-14.5789	-14.1787	-16.507	-18.7587	-17.7924	-18.8543	-21.5584	-21.319	-18.1113	-20.5198	-25.559	-22.2166	-19.0853	-20.3265	-21.3476	-20.7205	-20.8604	-20.0483
105	7.6667221	7.689221	7.18418	7.000334	7.161687	6.734108	5.698013	4.507518	3.03795	2.235554	-0.05995	-3.25503	-4.59275	-7.07829	-9.71436	-11.4011	-13.4023	-16.4346	-14.1782	-16.307	-18.3929	-18.7924	-20.2935	-24.9598	-21.0369	-18.601	-20.5197	-25.2426	-23.4636	-19.3531	-20.2412	-21.9168	-21.16	-20.5714	-19.908	
110	7.6667221	7.699951	7.159891	6.976361	7.018255	6.523966	5.425267	4.238767	3.311284	2.063966	-0.30655	-3.39293	-5.27317	-6.66363	-9.91876	-12.3492	-12.9225	-14.4008	-15.8166	-16.1611	-18.2924	-20.1955	-19.7728	-21.7139	-28.304	-24.3897	-20.2292	-23.3332	-24.2805	-20.5512	-20.451	-23.2599	-22.0888	-20.4206	-19.7824	
115	7.6667221	7.711245	7.140534	6.905773	6.892647	6.336875	5.172447	3.957455	3.048199	1.842387	-0.34407	-2.9497	-4.8977	-6.53586	-8.44229	-10.6195	-11.7811	-13.7021	-14.9877	-16.9374	-18.0776	-20.1381	-21.5877	-24.306	-26.496	-24.306	-21.073	-18.9985	-23.8562	-20.6503	-20.9784	-25.4582	-23.4583	-20.385	-19.6808	
120	7.6667221	7.720896	7.155857	6.862807	6.882047	6.207051	4.998819	3.780419	2.821535	1.656237	-0.27867	-2.38028	-3.61446	-4.93811	-7.04005	-8.11427	-9.78172	-13.4584	-16.045	-16.1973	-18.1061	-19.4405	-19.0889	-19.6469	-20.673	-22.652	-19.992	-18.5062	-23.5764	-21.5649	-21.9386	-28.7835	-24.9961	-20.432	-19.449	
125	7.6667221	7.740605	7.180567	6.847695	6.7597	6.155657	4.944469	3.693222	2.75145	1.616617	-0.14146	-1.92708	-3.1579	-4.66372	-6.40805	-6.96999	-8.93601	-13.1968	-14.8014	-14.5868	-16.5988	-19.0429	-18.7521	-19.6351	-20.5081	-22.8371	-19.9605	-19.3571	-20.674	-24.4034	-22.9436	-23.5715	-33.5874	-25.9532	-20.497	-19.507
130	7.6667221	7.770639	7.224091	6.863886	6.769889	6.183579	5.012374	3.803524	2.894496	1.807262	0.125236	-1.54047	-3.28844	-4.52281	-6.56621	-8.44593	-10.4489	-13.4545	-14.695	-16.2851	-20.2047	-19.9623	-21.8389	-25.2956	-24.3395	-26.1224	-26.8514	-25.5748	-20.5469	-20.5469	-20.5469	-20.5469	-20.5469	-20.5469		
135	7.6667221	7.797626	7.285511	6.900083	6.807362	6.271956	5.16																													

Raw data – ANT2 (5.865GHz)

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	7.8076338	6.759653	6.617792	7.24139	6.433017	5.793574	6.33893	5.194729	2.514221	1.107107	-0.86558	-2.99802	-2.95061	-4.89413	-10.5864	-18.5781	-18.6139	-18.6243	-16.9449	-19.099	-23.8965	-26.7804	-25.272	-20.6879	-22.5332	-23.8006	-27.2651	-23.1742	-25.4004	-33.647	-31.7299	-30.7759	-27.8872	-27.2102	-19.3101	-19.9366
5	7.8076338	6.648759	6.648389	7.346201	6.255009	5.72859	6.574601	5.02622	1.707748	1.400778	-0.0773	-2.8484	-3.9093	-5.14164	-15.7661	-18.3332	-16.2592	-19.7442	-14.8751	-14.7238	-17.4065	-20.2386	-19.025	-17.4525	-18.8824	-20.2488	-24.8361	-23.6768	-26.5623	-28.227	-19.1087	-19.544	-19.877	-19.544		
10	7.8076338	6.546788	6.702373	7.461633	6.079924	5.651082	6.693018	4.726344	0.973853	1.519296	-0.05366	-3.59008	-4.02027	-5.77498	-18.7798	-11.452	-11.2281	-16.3496	-14.445	-13.7363	-14.8911	-18.8375	-17.411	-17.8223	-19.1769	-18.0261	-18.7523	-22.7249	-25.3889	-20.7567	-22.7755	-28.3463	-24.5697	-28.5291	-18.8755	-19.193
15	7.8076338	6.455632	6.777668	7.59344	5.950307	5.543574	6.743298	4.494542	0.38032	1.341538	-0.53666	-4.56119	-5.03646	-6.56119	-15.4537	-9.15339	-14.4748	-9.8345	-10.9237	-17.748	-16.1969	-16.163	-18.002	-18.116	-22.4	-21.8196	-18.4312	-21.2468	-25.2487	-22.7429	-28.1588	-28.0079	-18.8741	-18.8741		
20	7.8076338	6.376709	6.863912	7.739236	5.83444	5.390059	6.740365	4.350026	-0.029	1.001897	-1.13689	-5.51516	-6.57349	-10.6449	-10.9304	-10.8724	-12.6377	-17.5878	-15.9643	-18.7904	-21.3443	-23.0621	-21.4471	-22.121	-25.4484	-20.1663	-20.241	-23.8339	-20.9255	-18.3937	-21.8909	-23.6964	-21.4091	-27.4656	-18.5881	
25	7.8076338	6.310733	6.952273	7.880075	5.780524	5.205678	6.664713	4.27469	-0.25986	0.644297	-1.73495	-6.61109	-7.95196	-12.386	-11.2147	-12.386	-11.2147	-18.1394	-18.8878	-26.771	-26.201	-25.5071	-21.845	-20.0057	-24.0512	-22.9986	-20.6222	-26.7895	-22.9986	-20.6222	-26.7895	-22.9986	-18.3767	-18.3767		
30	7.8076338	6.258972	7.032228	8.028028	5.685532	4.978735	6.496437	4.099299	-0.42535	0.271702	-2.36612	-7.75635	-9.7967	-12.3972	-18.2077	-16.5564	-17.3355	-21.9114	-22.5701	-19.9964	-26.0051	-21.2311	-22.1342	-24.2968	-23.1698	-25.9966	-29.1996	-23.5555	-22.3916	-21.5392	-24.7858	-22.8389	-20.3574	-26.3104	-17.6337	-18.1219
35	7.8076338	6.220955	7.093936	8.139521	5.700027	4.702042	6.240469	3.835459	-0.70644	-0.20557	-3.18746	-8.62049	-9.1343	-11.6903	-17.1156	-16.6073	-17.1307	-20.3892	-22.2413	-23.101	-21.4918	-21.6745	-25.1329	-22.1327	-22.6917	-28.8951	-21.809	-22.2598	-21.4038	-22.9444	-23.5514	-24.5049	-26.0813	-17.7719	-17.9466	
40	7.8076338	6.196992	7.129572	8.208484	5.834051	4.507128	5.943026	3.449396	-1.11589	-0.72376	-4.17273	-8.95947	-7.66504	-11.5814	-19.0744	-17.6429	-18.8922	-21.9925	-17.7104	-17.4521	-19.831	-18.658	-21.004	-23.4545	-18.5175	-21.1206	-29.1875	-20.1573	-22.8823	-20.9922	-21.52	-24.8	-21.0494	-26.0794	-16.9247	-17.8143
45	7.8076338	6.187083	7.134386	8.223864	5.86746	4.454168	5.688447	3.008824	-1.47589	-0.97345	-4.80725	-8.51554	-6.92437	-11.5782	-20.4140	-15.2644	-16.518	-18.6655	-13.7577	-14.7446	-17.1386	-18.3352	-21.7809	-18.2619	-15.8889	-20.571	-22.9759	-18.0127	-24.3359	-20.5786	-20.8683	-26.5699	-21.5575	-26.2215	-16.5784	-17.7291
50	7.8076338	6.191229	7.170405	8.180501	5.937797	4.588311	5.571099	2.630122	-1.6235	-0.80343	-4.7671	-7.86699	-6.34395	-11.5001	-19.1662	-13.4804	-14.8115	-15.0136	-13.1007	-14.8498	-18.4378	-20.3735	-17.778	-14.6891	-15.5671	-24.0336	-19.1492	-17.1847	-27.992	-19.4087	-20.5007	-25.7723	-21.7341	-26.3363	-16.2491	-17.6959
55	7.8076338	6.209446	7.051717	8.080422	5.974145	4.883891	5.642993	2.445029	-1.57164	-0.47465	-4.54623	-7.58326	-5.96589	-11.4131	-21.1828	-14.1279	-16.5946	-17.056	-14.9994	-17.1676	-18.5974	-16.5236	-14.7002	-15.0209	-18.9175	-24.7165	-17.0506	-18.6958	-29.8423	-17.9352	-20.5903	-22.8292	-21.5464	-26.1183	-15.9283	-17.7203
60	7.8076338	6.24172	6.97403	7.93354	5.991322	5.253255	5.868091	2.525139	-1.36102	-0.23639	-4.59547	-7.69615	-5.53939	-10.5077	-18.6808	-13.7193	-16.7824	-22.921	-18.9641	-17.9117	-16.2316	-15.4448	-16.4312	-21.0742	-24.7974	-17.724	-16.803	-22.5302	-20.6234	-16.9496	-21.8479	-20.2999	-21.3404	-25.2259	-15.6335	-17.8093
65	7.8076338	6.287005	6.885286	7.757401	5.952089	5.592858	6.134245	2.806103	-0.94549	-0.02282	-4.73193	-8.44766	-5.50122	-9.90661	-11.1617	-16.3718	-14.9808	-15.2555	-16.8358	-19.971	-22.6028	-17.3919	-15.7399	-19.52	-22.8964	-16.2919	-16.9974	-24.8398	-18.5631	-21.5096	-23.6245	-15.3695	-17.9709	-17.9709	-17.9709	
70	7.8076338	6.347608	6.79653	7.575306	5.990648	5.830811	6.321389	3.123108	-0.34275	0.377421	-4.18222	-8.95702	-5.83674	-10.1732	-14.2131	-10.8891	-11.3423	-14.9107	-14.1986	-14.1221	-16.5737	-18.4806	-20.8783	-20.6311	-17.1006	-17.7306	-29.4323	-19.5105	-15.1512	-18.8438	-26.3555	-17.5146	-22.3285	-21.6686	-15.1517	-18.2147
75	7.8076338	6.420074	6.719674	7.41204	6.013355	5.953747	6.368157	3.343026	0.258487	0.899558	-0.01843	-7.59447	-5.36946	-9.30884	-16.2905	-10.9779	-13.7631	-16.5858	-15.8796	-15.9647	-17.1737	-18.3074	-20.1735	-18.1479	-19.563	-24.0175	-25.5534	-18.3454	-16.9107	-24.4626	-22.222	-17.1905	-23.9367	-19.7498	-15.0024	-18.5527
80	7.8076338	6.504104	6.663967	7.287288	6.090772	6.008305	6.298624	3.457179	0.685832	1.247896	-2.18786	-6.11092	-4.32822	-7.65538	-17.3482	-13.8504	-15.4447	-27.3424	-21.5507	-18.38	-17.9328	-18.1652	-16.6036	-16.5633	-21.967	-23.232	-18.9294	-19.2677	-23.1663	-23.0497	-19.1292	-17.8316	-25.8648	-18.0993	-14.9516	-18.9991
85	7.8076338	6.580433	6.634525	7.208712	6.239211	6.071397	6.200004	3.570653	0.996543	1.36701	-1.86193	-5.655	-3.89814	-6.94422	-15.7206	-12.317	-13.0596	-21.4977	-19.5331	-15.1015	-15.6704	-18.1542	-17.6498	-19.6137	-25.2338	-18.2716	-17.6395	-22.8154	-32.2671	-21.723	-18.1795	-19.9738	-25.695	-16.825	-15.0515	-17.5735
90	7.8076338	6.69815	6.631671	7.168392	6.442534	6.192089	6.149931	3.78574	1.40531	1.523161	-1.46733	-5.66725	-4.2463	-7.15672	-16.246	-12.2662	-12.9277	-20.6721	-16.6028	-14.2128	-16.3706	-18.5711	-17.2824	-18.4808	-18.4669	-16.6521	-20.9151	-29.9442	-20.9685	-18.951	-19.5104	-25.1792	-22.9746	-15.9818	-15.2955	-20.2921
95	7.8076338	6.807024	6.651625	7.14517	6.651254	6.346254	6.138183	4.060832	1.945068	1.864166	-0.7098	-5.06947	-4.46077	-5.77447	-14.4047	-13.0018	-13.0177	-17.7171	-16.4472	-17.1786	-17.6733	-19.9737	-17.3215	-17.5894	-18.8885	-25.3503	-20.6726	-18.3658	-20.1723	-24.3409	-45.1202	-20.426	-15.6141	-15.7805	-20.1183	
100	7.8076338	6.917085	6.686261	7.112491	6.801797	6.45156	6.067885	4.223699	2.558431	2.127098	-0.03502	-4.07653	-4.02997	-5.22108	-10.5561	-11.8322	-10.5533	-13.1338	-18.7325	-16.7161	-14.2458	-14.7853	-19.9687	-20.8181	-21.3857	-19.8563	-17.5303	-16.9543	-19.6911	-27.6201	-29.8	-24.9018	-18.9228	-15.7807	-16.5486	-22.2945
105	7.8076338	7.027359	6.735217	7.04794	6.841497	6.425501	5.83827	4.126816	2.405083	2.004603	-0.130425	-3.76243	-4.54465	-5.506	-10.2286	-11.6101	-10.1312	-13.1131	-18.0787	-16.8319	-15.3008	-16.2354	-20.9358	-20.201	-21.3934	-16.074	-18.537	-26.7306	-27.0369	-21.5118	-20.0636	-18.5464	-16.5784	-17.4747	-23.6066	
110	7.8076338	7.13529	6.787584	6.941295	6.746528	6.234378	5.429728	3.780892	2.128038	1.540562	-0.06059	-3.65719	-5.87495	-7.11895	-11.4347	-14.7962	-12.9766	-14.9134	-18.9332	-18.7747	-19.0882	-19.624	-21.0492	-19.2594	-18.8825	-19.1355	-20.3229	-29.1491	-23.1272	-18.9053	-18.1955	-18.408	-19.3305	-18.1834	-19.2636	-25.291
115	7.8076338	7.2385	6.842691	6.979272	6.531312	5.914399	4.953786	3.397452	1.857719	1.152194	-0.13229	-3.82607	-5.78195	-7.11895	-11.4347	-14.7962	-12.9766	-14.9134	-18.9332	-18.7747	-19.0882	-19.624	-21.0492	-19.2594	-18.8825	-19.1355	-20.3229	-29.1491	-23.1272	-18.9053	-18.1955	-18.408	-19.3305	-18.1834	-19.2636	-25.291
120	7.8076338	7.334863	6.998986	6.646015	6.251555	5.567321	5.277486	3.272726	1.967517	1.115218	-0.09115	-2.13979	-3.75716	-4.98001	-6.18531	-8.36269	-5.8377	-13.4399	-16.1537	-19.7555	-16.4277	-22.258	-24.3699	-25.2313	-19.472	-16.4333	-16.9396	-18.6692	-22.7708	-25.6781	-24.4785	-19.0772	-19.0772	-19.0772	-19.0772	
125	7.8076338	7.422552	6.998986	6.517922	5.998081	5.322401	4.465337	3.389934	2.226105	1.14764	-0.2302	-2.34802	-3.57972	-4.55864	-6.1213	-8.36903	-4.84885	-11.3279	-14.8009	-17.8636	-18.4241	-16.8728	-17.7586	-20.4607	-20.5635	-20.4607	-18.9672	-21.5073	-25.0106	-27.0029	-21.6421	-17.6752	-21.3011	-31.2242	-28.0159	-30.0629
130	7.8076338	7.500053	7.021536	6.451911	5.862536	5.266292	4.568063	3.598783	2.13199	0.932598	-0.75477	-2.78175	-4.37744	-5.37415	-6.88564	-6.0559	-11.0539	-15.5055	-19.2006	-21.3774	-20.7403	-22.3117	-27.6011	-23.9475	-27.3963	-29.9578	-27.024	-20.3795	-19.3544	-18.0628	-16.0608	-18.6811	-26.2081	-28.9876	-29.3731	
135	7.8076338	7.566184	7.084408	6.470222																																

Raw data – ANT2 (5.895GHz)

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	7.880059	6.897292	6.680226	7.305777	6.535614	5.896479	6.539881	5.411979	2.407008	1.100101	-0.28035	-2.38356	-2.98519	-3.18175	-3.18175	-3.18175	-3.18175	-3.18175	-3.18175	-3.18175	-3.18175	-3.18175	-3.18175	-3.18175	-3.18175	-3.18175	-3.18175	-3.18175	-3.18175	-3.18175	-3.18175	-3.18175	-3.18175	-3.18175	-3.18175	-3.18175	-3.18175
5	7.880059	6.76822	6.727883	7.417977	6.732489	6.773996	6.719105	5.14701	1.541809	1.583254	0.578261	-2.47846	-3.52722	-6.86472	-16.135	-14.1368	-13.32	-14.5378	-13.2007	-12.007	-12.007	-12.007	-12.007	-12.007	-12.007	-12.007	-12.007	-12.007	-12.007	-12.007	-12.007	-12.007	-12.007	-12.007	-12.007	-12.007	-12.007
10	7.880059	6.708729	6.79896	7.533687	6.100074	5.648240	6.82102	4.845259	0.763785	1.725714	0.478476	-4.33007	-4.37471	-8.7909	-22.0983	-9.51214	-9.96047	-13.9475	-12.577	-12.577	-12.577	-12.577	-12.577	-12.577	-12.577	-12.577	-12.577	-12.577	-12.577	-12.577	-12.577	-12.577	-12.577	-12.577	-12.577	-12.577	-12.577
15	7.880059	6.530463	6.887921	7.66161	5.920857	5.539355	6.893941	4.622545	0.084222	1.483043	-0.07014	-4.58028	-3.3829	-2.98616	-1.64483	-1.64483	-1.64483	-1.64483	-1.64483	-1.64483	-1.64483	-1.64483	-1.64483	-1.64483	-1.64483	-1.64483	-1.64483	-1.64483	-1.64483	-1.64483	-1.64483	-1.64483	-1.64483	-1.64483	-1.64483	-1.64483	-1.64483
20	7.880059	6.566556	6.987107	7.802475	5.806888	5.418297	6.930159	4.496397	-0.44262	1.051165	-0.76923	-5.57935	-6.33218	-11.7783	-17.7116	-10.1123	-11.3847	-15.7627	-14.8717	-18.4432	-21.9399	-21.917	-20.0437	-20.6655	-24.6482	-19.6224	-20.5695	-26.5111	-21.0941	-18.5696	-23.2008	-23.0033	-18.8021	-25.3234	-20.6456	-19.1478	
25	7.880059	6.511647	7.087239	7.948612	5.747535	5.26088	6.888892	4.406524	-0.76319	0.605665	-1.45329	-6.77661	-7.77968	-12.8512	-17.7116	-10.1123	-11.3847	-15.7627	-14.8717	-18.4432	-21.9399	-21.917	-20.0437	-20.6655	-24.6482	-19.6224	-20.5695	-26.5111	-21.0941	-18.5696	-23.2008	-23.0033	-18.8021	-25.3234	-20.6456	-19.1478	
30	7.880059	6.471953	7.178445	8.086127	5.743382	5.048244	6.734946	4.263289	-0.963	0.161217	-2.12583	-7.77445	-8.60593	-13.382	-16.0829	-13.2431	-15.8483	-20.7522	-21.9146	-20.06	-19.3521	-18.984	-19.8921	-26.5461	-24.1892	-23.5528	-31.2883	-23.7415	-21.6705	-22.2918	-25.8495	-23.7751	-18.8572	-24.1732	-19.9898	-18.8441	
35	7.880059	6.44538	7.25159	8.198443	5.781303	4.808666	6.466718	3.996151	-1.20632	-0.35518	-0.16855	-8.16855	-8.97919	-12.8512	-17.7116	-10.1123	-11.3847	-15.7627	-14.8717	-18.4432	-21.9399	-21.917	-20.0437	-20.6655	-24.6482	-19.6224	-20.5695	-26.5111	-21.0941	-18.5696	-23.2008	-23.0033	-18.8021	-25.3234	-20.6456	-19.1478	
40	7.880059	6.431462	7.29953	8.269932	5.845868	4.615983	6.128373	3.584868	-1.52582	0.86016	-3.77917	-8.12653	-7.6854	-11.9048	-17.3637	-16.981	-18.0101	-20.8399	-17.8928	-16.9334	-18.3152	-17.3487	-19.3194	-27.3013	-17.8784	-18.2047	-31.472	-20.4499	-21.826	-22.3443	-20.936	-26.927	-20.0279	-24.5759	-19.1931	-18.6549	
45	7.880059	6.43038	7.318108	8.288958	5.920358	4.562256	5.808883	3.069604	-1.77564	-1.02901	-4.36963	-7.77173	-6.92246	-11.6483	-18.1097	-15.1982	-16.1395	-16.8996	-13.8138	-14.3909	-16.1575	-16.6468	-20.9081	-20.2582	-15.3995	-17.9493	-24.4039	-17.6798	-21.9145	-21.9334	-20.0064	-28.343	-20.4747	-25.4201	-18.7906	-18.6148	
50	7.880059	6.441227	7.306795	8.250148	5.989203	4.705764	5.621899	2.554184	-1.83335	-0.70741	-4.34844	-7.42727	-6.39451	-11.6831	-16.9491	-12.6102	-13.5736	-14.0432	-12.3078	-13.7669	-17.4854	-20.9297	-19.8445	-15.3314	-14.9457	-21.0178	-19.7181	-16.3601	-23.8821	-20.8746	-19.6685	-26.3117	-20.4762	-26.8397	-18.3892	-18.6192	
55	7.880059	6.463844	7.268892	8.155975	6.038066	4.02743	5.651751	2.204412	-1.75964	-0.20553	-0.00486	-7.11096	-8.9841	-11.6361	-17.3637	-16.981	-18.0101	-20.8399	-17.8928	-16.9334	-18.3152	-17.3487	-19.3194	-27.3013	-17.8784	-18.2047	-31.472	-20.4499	-21.826	-22.3443	-20.936	-26.927	-20.0279	-24.5759	-19.1931	-18.6549	
60	7.880059	6.452919	7.143089	8.754447	6.060177	5.7839	6.195225	2.484214	-1.30153	0.280345	-4.02239	-7.10343	-7.42337	-9.109	-13.7687	-10.1414	-11.3977	-15.5902	-16.1769	-19.6937	-14.6112	-15.5992	-19.1456	-18.4888	-24.2927	-17.1262	-16.8248	-24.594	-18.7355	-19.669	-29.4226	-17.1577	-18.9786	-18.7917			
65	7.880059	6.598372	7.074925	7.691933	6.052909	6.022158	6.43307	2.919427	-0.61163	0.637313	-3.67092	-7.89906	-5.21226	-6.93863	-13.7011	-9.44186	-10.4009	-14.0352	-13.8533	-13.7414	-15.6387	-17.7414	-20.4671	-21.356	-16.6032	-15.9286	-22.8856	-21.6204	-15.2389	-17.7489	-27.6789	-17.4671	-20.0898	-25.6139	-16.7614	-19.2486	
70	7.880059	6.663412	7.016105	7.555922	6.074448	6.121794	6.50461	3.262746	0.220945	1.253569	-2.48497	-7.01643	-5.08374	-9.22007	-15.8196	-11.1624	-12.8437	-17.5535	-14.9534	-15.5163	-18.8446	-18.5239	-17.7038	-18.3106	-21.9443	-27.1131	-18.7737	-16.3357	-21.9269	-23.4904	-16.854	-21.0776	-22.2318	-16.4143	-19.6169		
75	7.880059	6.736914	6.973113	7.464812	6.166279	6.141286	6.42132	3.431391	0.82054	1.720824	-1.54383	-5.58134	-4.10272	-7.58423	-17.2975	-13.3	-15.2145	-29.54	-19.8217	-18.8261	-18.9172	-18.368	-16.032	-15.3533	-20.4	-23.6325	-18.114	-18.3429	-21.6331	-34.7014	-19.634	-17.1584	-22.562	-19.6484	-16.1575	-20.1029	
80	7.880059	6.745941	6.948293	7.421845	6.350862	6.184433	6.28893	3.522768	1.124048	1.831182	-1.25142	-5.13372	-3.62457	-6.75949	-15.5894	-11.6771	-12.4388	-20.4628	-16.5612	-14.9446	-18.1524	-17.253	-16.1429	-17.6858	-24.7435	-16.9025	-15.7722	-20.9535	-33.1206	-22.1398	-18.0827	-18.8729	-23.5558	-17.7694	-16.0374	-20.7311	
85	7.880059	6.90333	6.939811	7.412261	6.606714	6.325257	6.225992	3.710948	1.406601	1.831182	-1.06704	-5.34241	-4.04273	-7.1029	-15.9221	-11.2611	-11.7785	-18.0048	-14.7837	-12.8065	-15.1656	-18.0808	-16.7226	-17.1282	-17.0203	-14.718	-17.6173	-27.3628	-19.8373	-18.0486	-18.8512	-23.2684	-22.3707	-16.451	-16.1036	-21.5338	
90	7.880059	6.99267	6.942899	7.407834	6.869123	6.538129	6.26426	4.033698	1.886142	2.023261	-0.48102	-4.93409	-4.44725	-6.75916	-10.7347	-13.2078	-14.691	-18.1401	-14.1757	-12.8162	-15.7822	-15.9501	-15.4336	-16.6714	-23.1294	-20.0941	-16.6264	-18.2736	-22.9566	-36.6711	-20.006	-15.7014	-16.4039	-22.5543			
95	7.880059	7.083496	6.951906	7.376804	7.058013	6.7131	6.281821	4.31698	2.380751	2.269852	0.176068	-3.91997	-4.09297	-5.34309	-11.0345	-12.1262	-10.7123	-14.442	-18.0403	-16.3305	-16.4649	-14.6697	-18.1397	-18.2914	-19.3674	-19.9429	-17.7725	-16.2214	-15.7186	-23.3211	-29.2928	-24.6471	-18.1433	-15.5106	-17.0187	-23.8514	
100	7.880059	7.178387	6.962412	7.294779	7.109967	6.736708	6.13972	4.353093	2.572765	2.22443	0.172447	-3.56709	-4.49491	-5.51357	-10.181	-11.8956	-10.861	-14.2005	-18.3609	-16.6397	-15.1475	-19.7083	-18.9099	-19.8679	-19.8979	-18.9879	-17.7349	-23.8864	-27.6116	-21.0242	-19.1924	-17.2736	-15.9341	-18.0114	-25.3042		
105	7.880059	7.261807	6.972992	7.153314	6.998485	6.557279	5.780348	4.092213	2.406441	1.841587	0.195203	-3.65566	-6.1375	-7.52626	-12.6179	-16.1055	-13.283	-15.2148	-19.201	-18.7704	-19.9373	-20.658	-22.1175	-19.5433	-18.511	-17.6558	-18.6319	-24.755	-23.6084	-18.7147	-17.2824	-17.2738	-17.5155	-17.0973	-19.5072	-27.9928	
110	7.880059	7.345659	6.98493	6.964939	6.743786	6.2103	5.20038	3.714806	2.177888	1.502515	0.190153	-2.81865	-6.1375	-7.01788	-9.63758	-12.9666	-13.2073	-22.6774	-20.2733	-22.6774	-20.2733	-22.6774	-20.2733	-22.6774	-20.2733	-22.6774	-20.2733	-22.6774	-20.2733	-22.6774	-20.2733	-22.6774	-20.2733	-22.6774	-20.2733		
115	7.880059	7.421821	7.000245	6.763546	6.416819	5.817206	4.880277	3.528519	2.23022	1.476706	0.347252	-1.83219	-3.81948	-4.89015	-6.55745	-8.971	-9.8641	-12.0761	-17.6342	-21.1486	-22.29	-17.0818	-18.9296	-24.6735	-22.4933	-18.5884	-15.9173	-15.7877	-16.6847	-18.171	-19.2433	-18.4057	-21.2881	-22.9711	-24.9116	-32.116	
120	7.880059	7.490044	7.025339	6.979611	6.112985	5.541052	4.737657	3.645626	2.477304	1.484493	0.137525	-1.89122	-3.52765	-4.53613	-6.2542	-8.65994	-9.88223	-11.6546	-15.2552	-17.9214	-17.7723	-17.1109	-18.0594	-19.9725	-19.2652	-18.4214	-17.4065	-19.119	-22.4936	-24.6539	-21.7201	-18.3585	-21.9737	-28.8255	-29.2133	-31.5651	
125	7.880059	7.55771	7.06207	6.514266	5.994617	5.489649	4.842214	3.861258	2.590301	1.232311	-0.42821	-2.50239	-4.2778	-5.20933	-6.19942	-11.413	-12.7651	-14.9844	-18.2929	-21.341	-22.5922	-25.024	-23.8328	-26.9491	-28.5641	-26.8791	-20.3874	-19.068	-18.1826	-16.5489	-19.5828	-27.5931	-20.1097	-29.029	-30.928		
130	7.880059	7.611229	7.10998	6.538652	6.066257	5.643391	5.018802	3.954291	2.497104	0.943954	-0.62193	-2.2433	-3.78565	-5.22528	-6.84388	-8.5354	-10.1332	-13.9083	-16.1798	-20.228	-17.8882	-17.0228	-22.2228	-22.5756	-19.6374	-18.5286	-17.7916	-16.2412	-14.268	-14.6477	-15.599	-15.1336	-17.214	-22.3489	-26.0323	-26.4544	
13																																					

Raw data – ANT3 (5.15GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
0	8.5374255	8.583551	8.320576	7.870896	7.030266	5.755358	3.907611	1.454231	-0.72954	-1.55592	-1.92128	-2.52867	-3.0149	-3.92056	-5.54844	-6.72092	-7.12942	-8.08714	-10.0026	-11.9209	-13.4488	-14.9997	-15.5288	-18.1626	-23.8276	-18.755	-17.4712	-21.7305	-17.8386	-16.5198	-15.845	-15.2284	-16.5205	-16.6975	-17.1665	-18.4025
5	8.5374255	8.644097	8.422278	7.9602	7.015339	5.573854	3.666646	1.406716	-0.44074	-0.98327	-0.98494	-1.28474	-1.83714	-2.79958	-4.30583	-5.76816	-6.7365	-7.8169	-9.36313	-10.5834	-11.7722	-12.5581	-14.0086	-18.7107	-22.6035	-17.2865	-16.208	-21.5631	-15.0376	-16.6886	-17.3788	-17.4977	-18.8062	-18.6045	-19.8776	
10	8.5374255	8.703539	8.506185	8.007675	6.964164	5.409766	3.531794	1.578295	0.115899	-0.39451	-0.58227	-1.08652	-1.86331	-2.89766	-4.33061	-5.98331	-6.74849	-9.3371	-11.5014	-12.742	-12.9201	-13.5224	-16.1652	-20.419	-20.1951	-18.5138	-21.9811	-23.1516	-17.5475	-16.7864	-15.6507	-14.8325	-16.6127	-18.0804	-17.8829	-19.8776
15	8.5374255	8.76084	8.570952	8.020344	6.906067	5.316501	3.252352	1.828296	0.604109	-0.02738	-0.58308	-1.4997	-2.72159	-4.17747	-6.20291	-8.0596	-9.82212	-11.5008	-13.1666	-14.3821	-14.9193	-15.0547	-18.8277	-19.8142	-18.3281	-21.4722	-23.7218	-21.6612	-18.084	-18.4482	-16.5416	-14.8335	-16.3932	-17.8062	-18.2804	-19.8776
20	8.5374255	8.811286	8.617378	8.008236	6.8699	5.342067	3.67084	2.10327	0.865716	-0.00246	-0.82212	-1.8948	-3.27323	-5.00805	-6.76858	-10.0995	-13.3877	-14.0744	-14.4195	-15.3562	-17.0306	-19.2124	-21.9663	-18.4124	-17.2578	-18.3557	-22.4979	-18.2583	-16.4279	-18.9122	-17.832	-14.95	-16.1252	-19.1138	-18.6377	-19.3379
25	8.5374255	8.266475	8.647819	7.981547	6.873354	5.501494	3.998215	2.478563	1.07898	-0.0001	-1.01033	-2.51495	-5.27165	-8.14308	-11.8141	-14.3481	-18.9406	-22.9433	-24.535	-25.0263	-26.5362	-28.4537	-17.2528	-20.0082	-25.6366	-16.8954	-14.7301	-17.5653	-18.3813	-14.9395	-15.8989	-19.2721	-18.9047	-19.7665	-19.8776	
30	8.5374255	8.314282	8.665622	7.948459	6.915825	5.75842	4.456658	3.007301	1.515276	0.234633	-0.78354	-1.82635	-3.24849	-5.51203	-8.6507	-11.8607	-13.8251	-14.3767	-16.8351	-20.9384	-26.7979	-28.0279	-23.6169	-21.9721	-22.6518	-22.7721	-27.9714	-17.2027	-14.6676	-17.1231	-17.9287	-14.7638	-15.8398	-19.2276	-19.0524	-19.7947
35	8.5374255	8.358811	8.674637	7.914151	6.97973	6.038329	4.923486	3.572148	2.107663	0.81422	-0.27594	-1.47038	-2.79928	-4.54249	-8.77928	-11.725	-13.5106	-14.3576	-16.3286	-20.3362	-24.4545	-28.714	-28.2747	-26.3939	-26.0584	-26.8329	-23.5718	-17.8733	-16.076	-16.2832	-17.3068	-14.671	-16.0922	-19.0004	-19.0843	-20.0424
40	8.5374255	8.40033	8.678847	7.881165	7.039715	6.264424	5.269314	3.979606	2.54012	1.216343	-0.01147	-1.29944	-2.89647	-5.28423	-8.11665	-10.6499	-13.148	-16.0486	-18.5372	-22.5042	-22.8756	-25.6042	-26.365	-22.0887	-21.5719	-21.1299	-24.4478	-18.3528	-17.9498	-20.1784	-16.9102	-14.9435	-16.7496	-18.7977	-19.0336	-20.2482
45	8.5374255	8.439208	8.682106	7.807775	7.073993	6.387614	5.428436	4.117549	2.655548	1.25692	-0.14217	-1.6743	-3.47401	-5.73351	-7.99534	-10.0396	-13.1749	-16.8676	-22.367	-26.8802	-27.774	-21.045	-23.965	-21.183	-18.9177	-22.608	-24.2313	-18.8702	-19.3243	-21.0619	-16.8347	-15.7361	-17.7227	-18.3984	-18.949	-20.4696
50	8.5374255	8.475845	8.687961	7.824625	7.072144	6.396643	5.59815	4.046781	2.578542	1.181862	-0.23399	-1.38936	-3.55506	-5.68478	-7.78693	-9.65597	-12.8199	-18.2714	-22.907	-22.1859	-21.1161	-21.691	-19.944	-23.2819	-19.0584	-20.2797	-19.6519	-21.1289	-21.1495	-17.2196	-17.0167	-18.4933	-17.8224	-18.8803	-20.6811	
55	8.5374255	8.510617	8.695907	7.805919	7.03747	6.31255	5.252503	3.907965	2.570531	1.362652	-0.18949	-1.06012	-2.23779	-3.93631	-5.94771	-7.7212	-10.7915	-17.7061	-16.7997	-17.34525	-21.7286	-22.581	-26.9366	-21.2798	-18.2727	-21.3132	-21.6246	-24.5199	-21.15	-18.0733	-18.3661	-18.2861	-17.1165	-18.87	-20.7377	
60	8.5374255	8.543823	8.71241	7.799494	6.984983	6.176153	5.066136	3.819665	2.751122	1.82589	0.89728	0.07665	-0.81916	-2.33099	-4.28593	-6.2993	-8.2859	-12.2119	-13.949	-13.8161	-16.1651	-21.8816	-23.972	-25.349	-18.6009	-18.1863	-21.2739	-24.304	-24.6833	-20.1087	-18.968	-18.855	-16.9582	-16.4178	-18.9494	-21.0342
65	8.5374255	8.575644	8.748899	7.812134	6.936899	6.035285	4.899432	3.793701	2.993821	2.280197	1.447381	0.684972	-0.13806	-1.62288	-3.70169	-6.10422	-8.8382	-11.5206	-12.439	-13.2324	-17.2689	-21.5792	-20.9184	-19.277	-15.5075	-17.5311	-21.112	-20.7979	-20.6123	-18.3616	-19.2108	-18.1852	-15.5714	-15.8853	-19.1345	-21.4552
70	8.5374255	8.606123	8.789284	7.849147	6.917067	5.935303	4.791202	3.785038	3.127673	2.510149	1.682142	0.836033	-0.08951	-1.65159	-4.0109	-6.79958	-9.8392	-14.2071	-15.0236	-17.2639	-17.6439	-17.1834	-17.104	-16.3245	-14.9259	-17.0891	-17.4647	-17.0157	-18.3963	-17.1461	-18.8445	-17.2801	-14.6344	-15.6471	-19.1875	-21.875
75	8.5374255	8.635144	8.540127	7.914649	6.945268	5.912355	4.774463	3.793775	3.118589	2.489787	1.678282	0.788821	-0.22585	-1.83114	-4.19554	-7.2498	-11.0642	-15.1782	-18.1468	-17.5968	-16.6053	-15.0066	-15.7888	-16.5127	-15.6157	-17.5574	-15.7874	-15.8861	-18.1057	-16.7718	-18.6136	-16.9123	-14.3414	-15.7891	-17.3511	-21.1434
80	8.5374255	8.662438	8.600011	8.008062	7.032294	5.987522	4.797933	3.892041	3.091789	2.342482	1.519848	0.656158	-0.39843	-2.05614	-4.39952	-7.27189	-11.0456	-15.4954	-19.0314	-17.4234	-16.2423	-15.8292	-15.7888	-19.2246	-18.2849	-18.5573	-16.7274	-17.3291	-19.0121	-17.1215	-19.1151	-17.3372	-16.4769	-16.3585	-20.0075	-21.004
85	8.5374255	8.687602	8.666422	8.128511	7.116894	6.160523	5.118351	4.159582	3.246609	2.299738	1.332935	0.341726	-0.92503	-2.92586	-5.73842	-8.7835	-11.7804	-14.3633	-16.6289	-20.3418	-20.6945	-17.846	-18.2842	-19.168	-18.3892	-19.3649	-19.8931	-20.4545	-19.7207	-18.2793	-20.7356	-18.692	-15.9867	-17.3402	-20.0992	-20.7633
90	8.5374255	8.710122	8.735915	8.264926	7.365549	6.411424	5.467045	4.600773	3.682374	2.570884	1.308888	-0.05873	-1.72209	-4.09991	-7.3837	-10.9285	-13.8629	-15.1272	-16.0171	-18.7895	-16.8014	-15.7999	-17.2726	-16.5717	-17.0171	-19.0369	-18.6639	-18.9339	-19.3574	-20.8458	-23.1356	-20.2786	-18.0666	-18.5516	-19.8222	-20.4387
95	8.5374255	8.729411	8.804419	8.407156	7.575163	6.701411	5.870221	5.12773	4.286999	3.119426	1.598072	-0.18474	-1.16209	-3.43425	-6.76129	-9.15286	-11.5016	-14.7685	-17.4223	-19.1798	-16.614	-15.6384	-18.0388	-16.163	-16.9896	-16.6615	-14.4371	-15.581	-18.7054	-24.725	-22.251	-20.183	-20.755	-19.4337	-19.1904	-20.0486
100	8.5374255	8.744855	8.86761	8.542661	7.777939	6.980964	6.251467	5.610122	4.839241	3.680026	2.078192	0.15622	-1.87602	-3.75301	-7.01555	-8.78196	-12.4782	-18.3002	-21.9902	-21.1902	-18.485	-16.2596	-17.4929	-17.245	-14.8883	-12.46	-14.081	-17.6172	-21.8757	-18.3683	-18.1487	-22.1865	-19.2377	-18.3352	-19.7139	-20.6765
105	8.5374255	8.75586	8.921322	8.659417	7.947204	7.199692	6.530694	5.9313	5.167472	4.006472	2.443396	0.654961	-1.22325	-3.11173	-4.81598	-6.37686	-8.22363	-11.6619	-17.043	-21.5761	-18.4173	-16.9276	-19.4745	-18.8327	-17.3181	-14.0074	-12.4418	-13.8439	-15.8381	-17.2625	-15.5536	-16.2216	-20.6516	-18.0471	-17.4298	-19.1687
110	8.5374255	8.761892	8.961929	8.747563	8.062891	7.319167	6.647202	6.02529	5.21867	4.037009	2.501704	0.830704	-0.96553	-3.1277	-4.60299	-6.7137	-9.371	-13.5781	-15.2561	-18.0081	-17.0797	-17.2204	-18.6315	-15.5752	-15.0602	-13.8228	-14.242	-14.5185	-14.9822	-14.2204	-15.1943	-18.5017	-16.626	-16.6043	-18.7125	
115	8.5374255	8.765222	8.986661	8.800598	8.115395	7.325279	6.584407	5.903264	5.073506	3.900054	2.385977	0.675827	-1.2523	-3.73038	-7.1965	-10.9692	-15.3372	-21.956	-22.0371	-19.0267	-17.2528	-15.843	-16.2446	-17.394	-17.1353	-16.634	-16.0089	-15.1992	-14.5418	-14.5507	-14.2026	-15.1166	-17.003	-15.4493	-15.9296	-18.2892
120	8.5374255	8.757459	8.993826	8.815359	8.106802	7.235404	6.387232	5.68545	4.925382	3.886622	2.423995	0.61831	-1.51587	-4.20835	-8.40343	-14.3528	-19.2498	-24.4631	-16.0471	-16.4515	-16.5496	-16.0447	-16.899	-16.9408	-17.4303	-17.2131	-16.1099	-15.4191	-15.4493	-15.2955	-15.8178	-16.1532	-14.6466	-15.4319	-17.8796	
125	8.5374255	8.746565	8.982931	8.792751	8.04896	7.095622	6.158947	5.489022	4.968027	4.140088	2.700139	0.74905	-1.5379	-4.24029	-7.96376	-12.5763	-14.431	-19.8097	-22.3495	-21.9212	-10.294	-13.5294	-18.8524	-18.043	-17.6782	-16.6819	-15.6911	-15.4613	-16.0658	-16.6286	-16.7951	-16.7391	-15.7158	-14.2063	-15.1084	-17.4955
130	8.5374255	8.729873	8.954703	8.736283	7.958765	6.965454	6.020372	5.459592	5.226724	4.545213	3.011377	0.779026	-1.70291	-4.26308	-7.90765	-10.4001	-11.7865	-11.2999	-11.9177	-12.9517	-18.1827	-15.9463	-16.3036	-18.195	-17.472	-15.9316	-14.5485	-14.405	-15.4966	-16.4175	-16.8456	-16.7309	-			

Raw data – ANT3 (5.20GHz)

ThetaPhi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	
0	7.8632632	7.41698	7.032219	6.605232	5.910021	4.806469	3.0495	0.625453	-1.34639	-2.70155	-4.18655	-5.24808	-5.77355	-5.40831	-4.27173	-2.77164	-8.78786	-18.79089	-32.89779	-43.80676	-48.8951	-48.1825	-43.6774	-32.6774	-22.3349	-18.8365	-20.66	-19.1125	-17.5607	-16.7006	-17.0239	-18.9005	-18.5482	-18.7131	-18.7403		
5	7.8632632	7.47061	7.11661	6.664294	5.852713	4.598263	2.863556	0.82025	-0.5472	-1.6558	-3.09867	-4.84307	-6.47735	-7.55002	-8.10899	-5.73545	-6.76761	-8.13983	-9.9428	-11.727	-12.8071	-13.2221	-14.9809	-18.6267	-24.2453	-31.2679	-39.1202	-49.7807	-57.4227	-67.7238	-74.6279	-79.1851	-78.3677	-78.9007			
10	7.8632632	7.528871	7.193433	6.685016	5.670077	4.362718	2.723917	1.143743	0.228255	0.093469	-0.01754	-0.5216	-1.27961	-2.26554	-3.66079	-5.38839	-7.29985	-9.57215	-11.9324	-13.2533	-12.9384	-12.8325	-14.7579	-19.0501	-23.6208	-31.8399	-40.6706	-49.8476	-57.7665	-67.5193	-77.6328	-87.6462	-94.4797	-97.8569	-98.982	-105.62	
15	7.8632632	7.586297	7.260742	6.673966	5.402566	4.145469	2.627662	1.01632	0.706344	0.314869	-0.16955	-0.90858	-1.87761	-3.10669	-4.62809	-6.84293	-9.61631	-12.7123	-14.3482	-14.5638	-14.684	-16.7092	-20.4732	-21.1848	-19.8812	-22.5479	-31.3483	-41.7092	-52.5999	-63.7387	-74.8614	-84.0073	-92.2468	-97.1987	-98.982	-105.62	
20	7.8632632	7.647456	7.319711	6.643009	5.473334	4.008353	2.603238	1.50743	0.800972	0.109674	-0.63798	-1.4652	-2.50396	-4.09758	-6.59013	-9.67733	-12.133	-13.5226	-14.436	-15.4923	-16.9425	-19.3842	-21.2101	-20.5016	-18.7131	-18.2729	-20.9257	-21.4816	-24.8287	-28.8508	-39.6571	-46.8944	-57.5614	-60.6832	-59.5466	-59.9421	
25	7.8632632	7.706967	7.371236	6.606318	5.384103	3.991319	2.717831	1.672304	0.702609	0.26906	-0.73127	-1.93999	-3.89055	-6.48561	-9.58783	-12.1253	-14.9659	-17.7956	-19.5004	-20.9427	-23.3144	-23.3208	-18.279	-19.5804	-22.6238	-18.5021	-15.7294	-19.3428	-16.1514	-16.6663	-20.6405	-19.9324	-19.8254	-19.4924	-19.4924		
30	7.8632632	7.772583	7.420992	6.576787	5.351357	4.110239	3.005292	1.946484	0.79047	0.422239	-1.41436	-2.40866	-3.68392	-5.72947	-8.54129	-11.3612	-13.0027	-16.0108	-18.6808	-20.584	-23.8975	-26.039	-22.9758	-21.9857	-21.0173	-22.9794	-24.9581	-14.9063	-16.4084	-18.1975	-15.3939	-16.1132	-20.3706	-20.0316	-19.6536		
35	7.8632632	7.837858	7.471318	6.564585	5.376227	4.314607	3.394117	2.370497	1.081226	0.23315	-1.39529	-2.52369	-3.86726	-5.16731	-7.10856	-11.2617	-12.0317	-15.1233	-18.0007	-20.2424	-22.7625	-27.6934	-29.0104	-33.6615	-30.9031	-27.5386	-24.2465	-18.5268	-16.0805	-17.4207	-17.4642	-14.986	-16.0235	-19.9934	-20.1378	-18.9826	
40	7.8632632	7.892732	7.527332	6.57616	5.431552	4.52944	3.747374	2.758003	1.421621	0.101099	-1.37223	-2.62323	-3.99833	-5.22951	-8.9008	-10.8543	-13.3254	-16.3736	-19.6703	-21.9027	-22.8899	-26.496	-27.8637	-24.1451	-25.0846	-33.0795	-26.2875	-19.8832	-18.1744	-19.5585	-17.2869	-15.1536	-16.4265	-19.5538	-20.1541	-20.0121	
45	7.8632632	7.962756	7.591937	6.614856	5.509148	4.694292	3.962891	2.952418	1.552986	0.006343	-1.54036	-2.99015	-4.44535	-6.3029	-8.60591	-10.2985	-13.3057	-18.1525	-22.7117	-23.4893	-21.5465	-22.8005	-21.426	-30.239	-22.5321	-24.9748	-20.1425	-19.1684	-20.8086	-17.4694	-15.9587	-17.193	-19.0207	-20.1251	-20.2162		
50	7.8632632	8.026116	7.667527	6.682121	5.593894	4.78766	4.024786	2.952202	1.508666	0.05132	-1.59966	-3.04621	-4.5032	-6.27608	-7.83485	-9.22152	-12.3201	-17.6295	-21.0233	-19.3418	-18.5676	-20.2601	-21.809	-23.3084	-19.9762	-18.5542	-20.385	-19.934	-19.7396	-20.8751	-17.9953	-17.2626	-17.8534	-18.3668	-20.1162	-20.4271	
55	7.8632632	8.089113	7.755414	6.778543	5.685787	4.826675	3.90833	2.883409	1.513684	0.146202	-1.10002	-2.14152	-3.7565	-4.6638	-6.06216	-7.35747	-10.2288	-14.3842	-15.9574	-14.6988	-15.7908	-16.9019	-23.1628	-27.922	-20.6169	-17.912	-19.4926	-21.2412	-21.8288	-21.178	-18.8651	-18.4789	-17.6972	-17.6472	-20.199	-20.6394	
60	7.8632632	8.151393	7.855746	6.904229	5.794123	4.852701	3.949293	2.888729	1.739883	0.690741	-0.20615	-0.83318	-1.52381	-2.9364	-4.69128	-6.32307	-8.89668	-11.8544	-12.7761	-12.5846	-14.496	-20.1865	-25.1522	-24.747	-17.7862	-18.5253	-21.2168	-23.4145	-23.6481	-20.7888	-19.6707	-18.633	-16.6743	-16.9954	-20.4432	-20.8423	
65	7.8632632	8.21247	7.967501	7.058436	5.931559	4.908942	3.970269	3.016974	2.191477	1.316774	0.561706	0.100208	-0.48762	-2.07813	-3.25796	-4.65553	-8.92738	-11.3454	-12.2876	-12.9217	-17.7122	-16.1842	-18.1441	-20.4272	-20.8353	-21.0252	-19.133	-19.8306	-17.7535	-15.492	-16.5627	-20.9149	-21.0194	-20.1924	-20.1924		
70	7.8632632	8.271723	8.08853	7.238829	6.107657	5.02547	4.081622	3.222056	2.461895	1.746383	0.969974	0.289715	-0.50192	-2.05982	-4.45157	-7.15163	-9.9029	-12.5294	-14.2928	-15.517	-18.7732	-18.497	-18.2097	-16.8237	-15.0875	-17.17	-17.2247	-17.6104	-18.663	-17.7833	-19.5991	-16.8555	-14.694	-16.4754	-21.6736	-21.1492	
75	7.8632632	8.328403	8.215668	7.440789	6.324507	5.210004	4.277326	3.452753	2.663673	1.882934	1.053569	0.247877	-0.71432	-2.32679	-4.68269	-7.59156	-10.9868	-14.7713	-17.7948	-17.7062	-17.4029	-16.2464	-17.0702	-16.8528	-15.8313	-17.2195	-16.0293	-16.6798	-18.0896	-17.4887	-19.7675	-16.5657	-14.4931	-16.8289	-22.7564	-21.2076	
80	7.8632632	8.381661	8.344005	7.657169	6.575588	5.453777	4.53783	3.710854	2.780485	1.79998	0.898119	0.054767	-0.9984	-2.65421	-4.95288	-7.68718	-11.0086	-15.2131	-18.8255	-21.2728	-19.1563	-16.992	-17.3364	-18.2689	-17.7669	-18.6242	-17.4243	-18.0302	-18.8273	-18.264	-20.9278	-17.0931	-14.9578	-17.6907	-24.1081	-21.7727	
85	7.8632632	8.430589	8.471622	7.878953	6.847353	5.733843	4.842484	4.034558	2.985892	1.735882	0.628073	-0.33881	-1.57935	-3.07717	-4.985	-8.9592	-11.58	-14.4612	-17.4157	-21.3784	-19.7375	-16.7303	-17.3232	-17.8482	-18.0603	-20.2918	-20.4852	-20.2253	-19.8713	-20.1374	-23.7511	-18.4594	-16.6872	-19.0616	-25.3689	-21.0008	
90	7.8632632	8.474258	8.590883	8.094226	7.121996	6.020098	5.170214	4.411974	3.423896	2.006703	0.544626	-0.79527	-2.3643	-4.51464	-7.45156	-10.4326	-12.7005	-14.5896	-16.8783	-19.664	-16.0701	-14.8553	-16.9687	-16.1368	-16.9749	-19.4936	-18.1524	-18.4592	-19.9743	-23.3143	-29.4116	-20.2118	-17.6896	-20.6713	-25.6687	-20.7811	
95	7.8632632	8.511776	8.697761	8.292805	7.380185	6.304296	5.491833	4.887189	4.036189	2.667031	0.942465	-0.89389	-2.9668	-4.8278	-7.00777	-9.45455	-11.3631	-13.9177	-17.2625	-19.3959	-16.8872	-16.9801	-17.3217	-16.981	-17.9219	-16.9004	-16.8372	-14.3656	-15.6868	-18.9933	-25.0805	-27.7656	-20.5576	-18.9524	-21.5354	-24.5054	-24.3667
100	7.8632632	8.542337	8.787661	8.463732	7.603551	6.54035	5.763458	5.270439	4.596912	3.380452	1.633321	-0.44294	-2.61809	-4.58935	-6.28289	-7.70778	-8.69546	-11.0263	-15.7294	-19.2749	-18.8062	-16.876	-18.7412	-17.2564	-17.3256	-14.8612	-12.7803	-14.5117	-17.3906	-21.0288	-17.3759	-18.7017	-18.6445	-20.6598	-22.6217	-20.0121	
105	7.8632632	8.565268	8.856637	8.598043	7.779746	6.707705	5.934398	5.494482	4.915531	3.80311	2.128204	-0.118265	-2.06048	-4.52678	-5.97939	-7.09075	-8.09657	-10.4826	-14.8354	-18.7585	-19.7459	-18.9624	-19.0818	-19.6953	-19.1116	-17.2519	-14.9612	-15.5008	-15.7236	-17.5478	-17.9615	-16.6218	-17.1664	-18.8453	-20.7855	-19.562	
110	7.8632632	8.580874	8.901662	8.68914	7.892539	6.790849	5.972152	5.523442	4.964802	3.880498	2.226517	0.297338	-1.56519	-3.85879	-6.3008	-8.4006	-10.2057	-13.0173	-17.4892	-20.3287	-22.7502	-18.055	-17.9343	-18.987	-17.0493	-15.1544	-14.608	-14.7538	-15.9931	-16.4164	-15.2929	-15.7391	-17.1577	-19.2575	-19.0833		
115	7.8632632	8.586474	8.920837	8.733303	7.949851	6.796508	5.991632	5.487983	4.880836	3.838818	2.176948	0.1798	-1.78828	-4.13198	-7.52787	-9.8922	-13.5036	-16.9769	-19.172	-18.7489	-18.6318	-17.0486	-17.7348	-16.2573	-16.6271	-16.2517	-16.5431	-15.8873	-14.9632	-16.1453	-16.1892	-14.7717	-14.8302	-15.9154	-18.0634	-18.0634	
120	7.8632632	8.584415	8.91356	8.729261	7.959122	6.797578	5.982841	5.283121	4.88945	3.894049	2.184135	0.04315	-2.09614	-4.46092	-8.59155	-12.8248	-14.7767	-16.9438	-17.3971	-17.5285	-17.6145	-17.1565	-17.5734	-17.1572	-15.9339	-16.1778	-16.7124	-16.3284	-16.3633	-17.581	-16.6932	-14.8469	-14.4099	-15.1121	-17.1642	-18.153	
125	7.8632632	8.574809	8.880993	8.679021	7.913801	6.72294	5.711183	5.284077	4.992704	4.079446	2.225342	0.24981	-2.74783	-5.4681	-8.26697	-12.9684	-14.5622	-15.2332	-15.0398	-15.2074	-14.1386	-14.0371	-15.9516	-16.2346	-15.6317	-15.4117	-15.5025	-16.196	-17.6506	-18.2654	-16.6996	-15.0779	-14.3413	-14.6594	-16.5082	-17.722	
130	7.8632632	8.559196	8.824132	8.586604	7.845127	6.730022	5.792807	5.443807	4.86312	3.93985	2.67005	-0.29087	-2.06002	-4.78627	-6.94057	-10.6027	-12.9819	-14.9556	-15.5732	-15.5939	-15.5479	-15.4906	-16.6203	-16.659	-16.1132	-15.338	-14.8542	-14.3419	-14.4438	-16.043	-17.3246	-18.0					

Raw data – ANT3 (5.25GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
0	7.8870999	7.554559	7.164364	6.57867	5.670404	4.36879	2.423214	-0.17299	-2.1141	-2.26416	-2.1005	-2.10994	-2.12773	-3.08466	-5.24547	-7.13976	-8.80977	-9.13528	-10.941	-12.6918	-14.3431	-16.4628	-17.771	-19.6642	-23.2677	-21.0606	-19.0835	-19.026	-16.9083	-16.1923	-15.7386	-15.98	-17.5648	-17.3653	-18.3848	-19.2002
5	7.8870999	7.58918	7.234778	6.65524	5.679751	4.708005	2.803938	0.209052	-1.05959	-3.7332	-3.8788	-3.51777	-4.04842	-5.13508	-5.31177	-7.47231	-8.48501	-8.94555	-10.154	-11.9848	-13.7237	-15.0127	-16.7945	-22.3577	-21.8401	-20.4668	-18.1063	-15.7589	-15.6149	-15.8515	-16.74	-18.8396	-18.0081	-18.3843	-19.3875	
10	7.8870999	7.6277	7.303868	6.705118	5.6374	4.143129	2.389046	0.73701	-0.0529	0.027968	-0.08404	-0.82008	-1.85392	-3.0424	-4.6274	-6.5532	-8.53101	-10.5082	-12.4793	-14.1305	-16.4472	-14.3676	-15.7337	-18.5145	-22.6863	-27.1232	-22.9565	-18.1567	-16.0552	-15.842	-16.0057	-17.1982	-19.8357	-18.8145	-18.4777	-19.5293
15	7.8870999	7.669162	7.36867	6.730168	5.562569	4.004355	2.406356	1.183693	0.594681	0.320992	-0.20314	-1.11746	-2.24665	-3.58993	-5.40346	-6.50962	-8.66824	-12.0974	-14.4831	-16.1535	-16.1336	-17.4947	-20.1178	-22.8426	-22.3691	-20.9232	-20.0828	-19.3583	-18.0257	-17.0605	-17.5876	-20.1345	-19.7024	-18.7233	-19.6496	
20	7.8870999	7.71274	7.428414	6.73826	5.480627	3.890726	2.426714	1.440279	0.817507	0.184313	-0.61239	-1.55325	-2.72966	-4.47341	-7.15313	-10.1407	-12.0398	-14.3638	-15.3696	-16.5978	-18.1289	-20.1796	-21.0778	-20.999	-20.1138	-18.9159	-18.8758	-19.931	-20.9638	-20.3215	-18.8825	-17.797	-19.6175	-20.5111	-19.0344	-19.7615
25	7.8870999	7.757764	7.484085	6.740496	5.419712	3.848988	2.505421	1.5852	0.777529	-0.14859	-1.09826	-2.13646	-3.50143	-5.50533	-8.4445	-12.1299	-15.4544	-17.3103	-18.4321	-19.9374	-23.7088	-25.9389	-21.2576	-20.0887	-18.109	-19.2029	-20.2922	-17.6877	-16.4474	-18.1528	-19.5732	-17.3107	-18.622	-21.025	-19.3843	-19.8749
30	7.8870999	7.803722	7.573831	6.748386	5.401883	3.911646	2.711154	1.796261	0.778557	-0.37702	-1.5092	-2.79049	-4.37665	-6.52283	-9.07343	-11.404	-13.6619	-16.0635	-18.3448	-18.7392	-20.1867	-22.1618	-21.7763	-20.9585	-18.9912	-20.5633	-22.5361	-16.6047	-14.4266	-16.2717	-18.3258	-16.2136	-17.64	-21.0941	-19.7136	-19.9964
35	7.8870999	7.850234	7.59234	6.771514	5.43594	4.070007	3.038917	2.154332	1.006636	-0.3292	-1.69307	-3.14776	-7.47225	-10.5852	-15.6148	-11.1641	-12.8629	-16.3958	-17.6913	-18.0472	-19.5987	-24.7631	-31.0511	-24.9096	-23.5861	-22.4516	-17.0455	-14.903	-16.5196	-16.9713	-15.1908	-17.0037	-20.7383	-19.9658	-20.1297	
40	7.8870999	7.897023	7.650301	6.816206	5.516486	4.278598	3.395351	2.554986	1.346545	-0.13764	-1.74749	-3.36815	-5.02749	-7.53037	-10.1864	-11.9077	-14.2106	-16.5803	-19.1088	-19.6715	-19.5445	-22.5176	-26.6934	-24.5458	-25.9887	-33.4472	-24.2688	-18.616	-17.0658	-18.2184	-16.0778	-14.6765	-16.8245	-20.0768	-20.1084	-20.2762
45	7.8870999	7.943866	7.713988	6.885382	5.630137	4.480527	3.678191	2.858089	1.606645	0.006614	-1.81769	-3.71819	-5.58481	-7.93725	-10.0969	-11.9093	-15.1878	-19.2681	-21.4692	-21.5427	-23.2093	-28.2305	-32.0547	-20.5554	-21.4887	-23.3908	-19.7862	-19.265	-19.3042	-15.51	-14.7635	-16.9875	-19.2125	-20.15	-20.4354	
50	7.8870999	7.990556	7.784992	6.979339	5.764451	4.645549	3.849622	3.004628	1.741755	0.155255	-1.65535	-3.57573	-5.41422	-7.29922	-8.6469	-10.2091	-13.7802	-18.3397	-19.4335	-18.0711	-19.3946	-23.4599	-24.4808	-21.2849	-17.5002	-17.5712	-19.9602	-19.993	-20.4572	-18.8188	-15.3224	-15.3452	-17.0955	-18.2287	-20.1402	-20.4607
55	7.8870999	8.03686	7.86409	7.096848	5.913874	4.77775	3.94598	3.101893	1.918116	0.528278	-0.90116	-2.20166	-4.15458	-6.91562	-10.1246	-7.56199	-13.9085	-14.548	-14.178	-16.0364	-22.8276	-25.9538	-24.2605	-18.2729	-17.6669	-19.7352	-21.2274	-22.2377	-18.4005	-15.6956	-16.0999	-16.6301	-17.2326	-20.1534	-20.7349	
60	7.8870999	8.08249	7.951204	7.235975	6.08017	4.905838	4.039354	3.255187	2.253519	1.151028	0.155597	-0.52232	-1.22078	-2.65948	-4.40455	-6.19199	-9.12503	-12.229	-12.787	-12.5533	-15.8059	-23.053	-25.8539	-24.3012	-18.3659	-19.4395	-21.5519	-22.7928	-22.7568	-18.1266	-16.6536	-16.4828	-15.5482	-16.3558	-20.2713	-20.9504
65	7.8870999	8.137087	8.045427	7.394343	6.285862	5.06284	4.186488	3.497196	2.681131	1.765332	0.933973	0.441427	-0.14189	-1.64659	-3.97122	-6.25236	-8.97932	-11.5568	-12.4343	-13.2879	-15.1555	-22.0004	-21.4781	-20.5217	-16.9555	-19.1527	-19.9397	-20.5436	-19.4642	-17.2449	-17.9333	-16.1793	-14.3406	-15.7218	-20.5714	-21.1072
70	7.8870999	8.145074	7.569928	6.482683	5.268062	4.402279	3.776953	3.028236	2.126468	1.21692	0.539661	-0.1876	-1.79412	-3.24682	-6.929	-9.98693	-12.0302	-14.6572	-15.7858	-18.6465	-17.521	-18.8638	-18.2714	-16.0417	-17.5492	-17.1531	-18.1287	-16.8667	-16.1685	-19.0689	-15.5404	-13.4447	-15.4264	-21.1247	-21.2338	
75	7.8870999	8.211395	8.247767	7.755683	6.72117	5.51998	4.669365	4.02498	3.218638	2.161828	1.094297	0.20269	-0.74729	-2.42407	-4.74174	-7.54563	-11.1655	-15.5077	-18.0077	-16.8542	-16.2377	-15.5589	-17.8114	-18.0009	-16.4775	-17.3615	-16.7271	-17.7961	-15.8507	-15.6901	-19.8206	-15.0978	-13.6022	-15.5365	-21.9926	-21.103
80	7.8870999	8.248082	8.325023	7.99275	6.971148	5.800001	4.959195	4.29329	3.289778	1.94869	0.91329	-0.29272	-0.29422	-1.38204	-3.04111	-5.15568	-6.76966	-10.0817	-15.9324	-17.8493	-18.0021	-16.4552	-17.9332	-18.7733	-17.6441	-19.0905	-19.3546	-19.1968	-15.9766	-16.1776	-20.4062	-15.1309	-13.263	-16.0922	-23.2103	-21.3173
85	7.8870999	8.285125	8.449899	8.143076	7.239944	6.087344	5.243723	4.55184	3.4008	1.709662	0.177064	-0.39129	-2.10617	-3.9808	-6.46599	-9.10478	-11.639	-14.298	-16.8627	-21.3644	-19.873	-16.6702	-17.9738	-17.6665	-17.5737	-21.1536	-22.2944	-19.1402	-16.7609	-17.9674	-20.9586	-15.6687	-14.0503	-17.0845	-24.7113	-21.2736
90	7.8870999	8.316858	8.542156	8.329432	7.497389	6.359453	4.99781	4.83391	3.699006	1.95927	-0.13281	-1.5431	-2.89504	-4.97153	-6.50519	-11.1798	-13.286	-14.9812	-17.4543	-20.8907	-17.0509	-16.5606	-16.7946	-18.9243	-16.6333	-16.0527	-17.7483	-21.9903	-20.8568	-16.4673	-15.3176	-18.3628	-26.7113	-21.0311	-20.6611	
95	7.8870999	8.343808	8.623486	8.50012	7.737488	6.603218	5.71601	5.096171	4.125189	2.385577	0.247801	-1.66919	-3.30196	-5.70927	-7.46038	-9.94506	-11.5266	-13.8302	-17.2002	-18.4857	-14.8645	-14.7156	-15.4871	-15.0296	-17.3519	-15.6563	-12.8852	-13.7834	-18.3787	-29.3842	-19.2823	-16.9117	-16.6433	-19.4347	-26.4751	-20.7883
100	7.8870999	8.36957	8.690267	8.664933	7.949301	6.80983	5.86095	5.282164	5.11824	3.75573	1.17087	-0.98786	-3.43741	-4.65138	-7.75165	-10.7788	-13.286	-14.9812	-17.4543	-20.8907	-17.0509	-16.5606	-16.7946	-18.9243	-16.6333	-16.0527	-17.7483	-21.9903	-20.8568	-16.4673	-15.3176	-18.3628	-26.7113	-21.0311	-20.6611	
105	7.8870999	8.382353	8.739345	8.762317	8.123866	6.973278	5.958931	5.348922	4.685178	3.479288	1.77195	-0.07291	-1.83893	-3.70661	-5.28265	-6.06332	-6.40793	-8.43077	-12.495	-15.5528	-17.7376	-16.9792	-16.9686	-17.3229	-17.1026	-13.7038	-12.3342	-13.743	-16.5713	-17.6273	-15.2205	-15.4985	-16.4768	-18.6374	-23.6565	-20.0022
110	7.8870999	8.393383	8.783325	8.840006	8.254316	7.093008	5.996136	5.312897	4.661701	3.58624	2.061531	0.562848	-0.83759	-2.4697	-4.66046	-6.73024	-8.90067	-13.7317	-16.0238	-17.7416	-16.9677	-16.9686	-16.2534	-14.7303	-14.3018	-14.9994	-15.4397	-15.3041	-14.3201	-14.6814	-15.3478	-17.43	-21.9872	-19.5275	-20.7893	
115	7.8870999	8.398644	8.775841	8.875559	8.338569	7.179044	6.011641	5.261695	4.623819	3.635474	2.302223	1.021425	-0.6201	-1.99607	-4.73299	-7.04723	-8.74212	-11.2201	-13.7429	-15.7283	-18.4607	-17.9061	-17.4481	-16.2634	-15.1565	-15.4216	-16.2804	-16.0798	-15.0906	-14.722	-14.3797	-14.3194	-14.451	-16.4464	-20.605	-19.025
120	7.8870999	8.398192	8.771789	8.867046	8.277891	7.12523	6.067893	5.316638	4.750224	3.861839	2.996033	1.27104	-0.06783	-1.92727	-4.76029	-9.11307	-11.8694	-14.3639	-15.5781	-15.9045	-15.4481	-14.2664	-13.8421	-14.8696	-16.1154	-16.0559	-15.3576	-15.2029	-15.1468	-14.328	-13.9812	-15.8323	-19.5015	-18.5113	-20.7893	
125	7.8870999	8.39225	8.727475	8.815077	8.373954	7.334176	6.220084	5.54388	5.058042	4.135215	2.634441	0.901799	-0.74409	-2.80099	-5.35216	-7.5627	-9.8238	-12.8064	-14.4857	-13.6633	-11.9924	-11.8682	-12.951	-13.5371	-13.7707	-14.3104	-14.8265	-15.2503	-15.5506	-15.9071	-15.6149	-14.3326	-13.8783	-15.546	-18.6061	-17.9991
130	7.8870999	8.381188	8.675657	8.723632	8.331654	7.430543	6.467599	5.883447	5.386521	4.293072	2.324019	1.12571	-0.4248	-1.56603	-6.74434	-8.68484	-11.2388	-14.9604	-14.319	-13.7763	-13.2041	-11.8559	-12.9259	-14.0684	-14.1361	-14.5092	-14.6728	-14.8163	-14.9538	-14.9841	-14.5807	-13.9143	-13.9483	-15.4474	-17.8384	-17.9755

Raw data – ANT3 (5.3GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	
0	3.867259	8.203343	7.743467	6.855893	5.513296	3.781403	1.559671	-1.0476	-2.64079	-2.39306	-1.70888	-1.03475	-0.65788	-0.42678	-0.14386	-0.66708	-1.43186	-2.32194	-5.04599	-6.51029	-8.85708	-11.1622	-12.5575	-13.3877	-14.8272	-16.7332	-20.2362	-28.7921	-20.2417	-17.4218	-16.1788	-16.6977	-16.66	-16.4796	-15.8329		
5	3.867259	8.215667	7.774539	6.906503	5.548708	3.780107	1.645323	-0.63982	-1.82229	-1.26565	-0.58935	-0.40573	-0.28978	-0.221064	-0.173474	-0.93468	-1.06378	-1.22401	-13.6803	-15.5209	-18.4805	-24.7304	-27.7775	-20.7885	-18.2501	-18.891	-17.3771	-15.9504	-16.2378	-16.9093	-18.1834	-17.5896	-16.8019	-16.2609			
10	3.867259	8.228857	7.806431	6.947596	5.573293	3.805724	1.846679	0.048297	-0.71708	-0.37925	-0.23467	-0.77714	-1.78889	-3.35594	-5.94482	-9.19663	-10.2123	-13.947	-15.4926	-16.7621	-16.1516	-15.6091	-17.0431	-19.875	-22.6137	-26.8625	-22.2723	-17.7993	-15.8845	-15.6342	-16.1508	-17.005	-19.5138	-18.8074	-17.1479	-16.5585	
15	3.867259	8.245528	7.837637	6.979028	5.588925	3.842245	2.077176	0.7327	-0.155833	-0.00758	-0.50355	-1.53882	-3.55789	-7.04977	-10.2887	-12.9112	-15.7001	-17.0369	-16.9623	-16.3551	-15.8901	-18.3676	-18.7649	-20.9052	-21.282	-22.4434	-23.5694	-19.5661	-17.4531	-17.2931	-16.9597	-16.76	-19.9458	-20.2599	-17.5418	-16.8696	
20	3.867259	8.262361	7.868803	7.005205	5.606245	3.893491	2.289589	1.228212	0.615652	-0.00392	-0.93186	-2.06979	-3.46702	-5.47585	-8.68247	-12.8679	-16.0584	-17.1723	-17.4751	-19.2172	-21.9129	-24.2158	-24.3074	-20.9058	-18.304	-19.4353	-20.9039	-20.049	-20.7929	-18.9537	-16.496	-19.3051	-21.7596	-17.9893	-17.2033		
25	3.867259	8.280109	7.89849	7.033235	5.640148	3.979504	2.503362	1.558016	1.079189	-0.12729	-1.22251	-2.43965	-4.05386	-6.43186	-10.5023	-19.3966	-20.7033	-24.1566	-25.0899	-23.7352	-20.0379	-18.9496	-19.2828	-19.2609	-18.9867	-17.2811	-19.8415	-20.7679	-16.1332	-18.2131	-22.9351	-18.4801	-17.3201	-17.5029			
30	3.867259	8.298592	7.930765	7.07017	5.704246	4.115961	2.760349	1.858875	1.498474	-0.17279	-1.35796	-2.78167	-4.53133	-6.86967	-9.75873	-12.1125	-14.1552	-15.0164	-17.4409	-17.8206	-19.757	-22.4988	-21.0118	-19.2496	-18.8008	-18.5891	-17.3571	-14.7439	-16.449	-19.8908	-15.5991	-17.2527	-24.4239	-18.9923	-17.7008		
35	3.867259	8.317683	7.966716	7.1245	5.759648	4.291385	3.06078	2.204581	1.213645	-0.00085	-1.3499	-2.80542	-4.32506	-6.55404	-8.76635	-10.98887	-11.5545	-13.7449	-16.0777	-16.6672	-17.7433	-21.5753	-26.884	-31.5612	-23.9489	-21.6294	-21.5568	-17.6181	-14.638	-16.0179	-18.2504	-15.1072	-16.6976	-23.2476	-19.4982	-18.0682	
40	3.867259	8.337278	8.00801	7.196825	5.913024	4.469890	3.329573	2.524329	1.496552	0.151064	-1.35238	-2.78108	-4.19282	-6.5817	-8.81104	-10.7487	-12.0001	-12.7274	-17.6747	-18.2626	-25.9059	-22.428	-26.7623	-25.5687	-20.2508	-16.795	-17.1749	-17.3207	-14.9366	-16.6294	-22.6973	-19.9714	-18.3343				
45	3.867259	8.35727	8.05576	7.288346	6.043862	4.61182	3.494663	2.708855	1.684222	0.166292	-1.56328	-3.2116	-4.76957	-7.08155	-9.05207	-10.341	-13.5514	-18.3905	-21.0426	-19.8027	-19.9007	-20.8934	-22.1005	-19.1924	-17.9509	-20.4001	-22.8367	-22.3678	-20.7039	-19.326	-16.964	-15.2212	-16.9729	-21.9407	-20.3938	-18.586	
50	3.867259	8.377523	8.110333	7.397283	6.180966	4.708989	3.543748	2.748801	1.686244	0.159063	-1.69004	-3.60531	-5.34565	-7.26139	-8.57452	-10.2048	-14.6084	-20.7407	-20.4473	-17.7195	-18.9801	-22.3509	-21.8618	-20.4007	-17.5195	-17.0764	-18.0537	-20.1437	-23.8884	-20.7026	-16.9704	-15.9065	-17.4047	-20.9916	-20.7626	-18.8178	
55	3.867259	8.39785	8.171304	7.52084	6.324564	4.784137	3.541799	2.762263	1.811169	0.479152	-1.07451	-2.57725	-3.93156	-5.66362	-7.03788	-8.73305	-12.929	-17.3921	-16.6565	-14.7371	-16.5855	-23.6298	-23.8465	-25.0915	-19.9594	-17.3911	-17.3278	-19.7779	-25.9777	-20.8118	-17.4524	-16.6963	-17.3383	-19.8924	-21.092	-19.0219	
60	3.867259	8.418001	8.237521	7.659516	6.480955	4.883391	3.595034	2.901304	2.187703	1.203113	0.105475	-0.8169	-1.75795	-3.46415	-5.61513	-7.72519	-10.9981	-14.9453	-14.4007	-15.7453	-22.5902	-23.3063	-20.7637	-20.7701	-19.3418	-18.7425	-22.0817	-26.6873	-20.2562	-18.5863	-17.0512	-16.4743	-18.7929	-21.4106	-19.198		
65	3.867259	8.437664	8.307214	7.799271	6.657372	5.050579	3.788528	3.225114	2.742726	1.992536	1.061741	0.265266	-0.5467	-2.20924	-4.67703	-7.18534	-9.99783	-12.849	-14.1635	-14.8633	-19.2106	-20.0666	-20.5424	-22.9925	-18.9963	-18.7588	-18.0528	-21.6248	-21.2939	-18.9708	-20.4002	-16.6517	-15.2428	-17.8764	-21.7502	-19.3944	
70	3.867259	8.456465	8.378138	7.947305	6.856403	5.303332	4.141812	3.68603	3.289604	2.553497	1.518375	0.502461	-0.6769	-2.02529	-4.30264	-6.87584	-9.98302	-13.4863	-15.263	-15.4064	-17.1829	-17.0767	-19.4433	-20.1815	-17.4329	-16.8759	-15.9824	-18.4952	-17.5555	-17.6713	-22.5446	-15.8424	-14.2037	-17.2825	-22.1284	-19.5952	
75	3.867259	8.477392	8.447712	8.095782	7.073078	5.623916	4.608019	4.209532	3.728035	2.813032	1.579957	0.306878	-0.00093	-1.4039	-2.4017	-4.2841	-6.64212	-10.0447	-14.2505	-15.6317	-15.5458	-15.0272	-15.7928	-18.2126	-19.0585	-17.2354	-16.6575	-15.8206	-17.4816	-16.049	-17.1579	-23.5582	-15.149	-13.6445	-17.0908	-22.5223	-19.3451
80	3.867259	8.489816	8.513152	8.239753	7.29586	5.969068	5.100316	4.72849	4.604341	2.820512	1.34996	-0.04395	-1.23094	-2.4398	-2.80083	-4.47864	-6.46349	-9.39955	-14.2549	-15.9526	-15.5848	-15.8685	-16.931	-18.8063	-18.8802	-18.304	-18.77	-18.4896	-18.4747	-16.1516	-17.7087	-22.2583	-14.8555	-13.6687	-17.3237	-22.8403	-19.2451
85	3.867259	8.503515	8.57161	8.373741	7.510406	6.260575	5.525772	5.167699	4.336905	2.702619	0.846624	-0.66955	-2.0519	-3.69689	-5.6905	-7.62292	-9.88016	-12.155	-15.0807	-12.0011	-19.9841	-16.8349	-17.9689	-18.096	-19.0664	-21.6127	-21.239	-18.9696	-17.4128	-19.4823	-20.19	-15.0344	-14.3011	-17.923	-22.9187	-19.0677	
90	3.867259	8.514713	8.620322	8.492106	7.703691	6.553735	5.817691	5.448644	4.54824	2.687962	0.322359	-1.58284	-2.0894	-3.78817	-7.0504	-9.00446	-10.8054	-13.178	-16.4916	-20.0078	-16.7831	-14.0129	-16.5	-16.3831	-16.7831	-17.9978	-16.1381	-16.5095	-19.109	-22.8301	-18.4931	-15.5929	-15.4741	-18.6618	-22.5996	-18.8137	
95	3.867259	8.523106	8.656773	8.589461	7.866526	6.745525	5.955605	5.521066	4.639078	2.790956	0.280887	-1.13943	-0.9636	-3.53305	-6.82959	-8.7005	-9.2703	-11.7795	-15.2456	-15.5572	-12.4437	-12.4739	-14.9344	-16.0898	-18.4731	-14.2368	-12.6725	-14.195	-19.5803	-26.4244	-17.1781	-16.169	-16.8304	-19.0565	-21.867	-18.4924	
100	3.867259	8.528491	8.678889	8.66107	7.9941	6.872074	5.960686	5.392512	4.530738	2.922135	0.743415	-1.60063	-0.75433	-5.31683	-8.92767	-10.2302	-6.37983	-12.9118	-15.8947	-17.2948	-17.291	-12.7219	-11.7146	-13.2059	-18.1414	-23.0312	-16.0315	-16.291	-17.4557	-18.6488	-20.872	-18.1166					
105	3.867259	8.530792	8.685244	8.703216	8.085457	6.951243	5.908678	5.145868	4.236324	2.849535	1.169431	-0.53189	-2.37378	-4.14635	-5.21461	-5.31298	-5.0646	-7.78053	-11.5248	-14.6397	-15.8912	-15.0288	-16.0717	-17.0378	-16.0105	-13.2064	-12.4999	-13.1629	-16.5018	-18.9458	-15.0484	-15.7409	-16.7138	-17.589	-19.808	-17.7005	
110	3.867259	8.530604	8.675273	8.713584	8.142988	7.007488	5.859929	4.939706	3.965347	2.728733	1.450879	0.342273	-0.62948	-2.70157	-4.62948	-5.87315	-6.96978	-12.0008	-15.7419	-19.9325	-16.2456	-16.4765	-16.0624	-14.8003	-13.9711	-13.7123	-15.7882	-16.7522	-14.4847	-14.7001	-15.3427	-16.4036	-18.8071	-17.2576			
115	3.867259	8.526055	8.649617	8.691645	8.172043	7.070291	5.902104	4.961476	4.039906	2.95294	1.889623	0.985904	-0.07612	-1.84002	-2.7697	-4.44736	-5.81378	-9.86532	-11.8664	-15.356	-19.0407	-18.3468	-17.3504	-15.5781	-14.8487	-14.924	-15.0535	-15.0335	-16.2488	-16.1183	-14.6102	-14.337	-14.1658	-15.4353	-17.9254	-16.7696	
120	3.867259	8.520436	8.609517	8.639012	8.179842	7.168762	6.098801	5.306239	4.556598	3.535959	2.358774	1.23683	-0.52675	-1.6882	-4.03216	-6.34556	-8.26765	-12.129	-12.108	-14.377	-16.0623	-15.453	-14.3864	-13.2623	-13.1264	-14.175	-15.8504	-17.0453	-17.5483	-16.7499	-15.4225	-14.0878	-13.4307	-14.7829	-17.1644	-16.361	
125	3.867259	8.512276	8.55836	8.597735	8.175287	7.317217	6.445082	5.871221	5.261305	4.123693	2.472661	0.75194	-0.78827	-2.38009	-4.31414	-6.41808	-8.63175	-10.9291	-12.6405	-12.6976	-11.7028	-11.5801	-12.2695	-12.7741	-13.1137	-14.1044	-15.9743	-17.7814	-18.7251	-17.6558	-16.0779	-13.896	-13.0005	-14.4091	-16.4949	-15.8745	
130	3.867259	8.50206	8.500079	8.460499	8.156819	7.50229	6.852368	6.420571	5.816031	4.67599	2.257567	0.2198	-0.7197	-3.63289	-5.23812	-9.86116	-12.4374	-13.2951	-12.9122	-11.9476	-11.8517	-12.2992	-13.156	-13.0017	-14.1332	-15.7085	-16.6381	-18.0007	-16.5103	-15.0852	-13.4046	-12.9702	-14.1965	-15.8742	-15.4205		
135	3.867259	8.491618	8.439587	8.506533	8.132266	7.688446	7.																														

Raw data – ANT3 (5.35GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	
0	8.4937713	8.29137	7.796336	6.789159	5.253242	3.401947	1.38173	-0.76719	-1.86562	-1.60763	-1.08217	-0.54707	-0.35065	-1.17173	-2.89329	-4.37669	-6.02137	-8.73335	-11.8209	-13.8268	-13.8208	-15.1267	-17.3053	-20.5179	-30.4126	-22.8252	-18.7194	-20.7805	-20.3611	-16.7781	-16.7959	-17.5298	-17.0722	-16.2637	-14.9095	-14.2852	
5	8.4937713	8.316189	7.841111	6.827284	5.223841	3.265186	1.209199	-0.71537	-1.56583	-0.94429	-0.22422	0.068181	-0.21502	-1.55664	-4.05704	-6.60209	-8.58821	-10.9773	-13.3239	-14.3685	-13.5494	-15.8466	-19.4051	-24.2804	-27.9135	-23.1078	-18.4369	-17.7326	-17.8387	-16.8105	-17.2472	-18.1217	-17.9716	-16.5763	-15.0143	-14.5498	
10	8.4937713	8.338807	7.875259	6.843795	5.18174	3.170403	1.222808	-0.33061	-0.85233	-0.57584	-0.13885	-0.57201	-0.13106	-2.06435	-5.75275	-9.11775	-12.72702	-16.43025	-18.4107	-17.3959	-16.3106	-15.8466	-18.1085	-20.4721	-22.5794	-20.2767	-18.4822	-15.8958	-15.0244	-16.0185	-17.6511	-18.3194	-18.8399	-17.0762	-15.1206	-14.7598	
15	8.4937713	8.358808	7.88945	6.840853	5.143426	3.128226	1.23427	0.200159	-0.18014	-0.24544	-0.76843	-1.09498	-1.35819	-2.51827	-7.82404	-10.9184	-13.9194	-16.54375	-18.3898	-19.4126	-21.6415	-21.3957	-19.4755	-19.7932	-21.4263	-22.7701	-23.9884	-22.9923	-17.2959	-15.4184	-16.542	-18.7323	-17.9983	-19.2987	-17.7444	-15.5268	-15.0226
20	8.4937713	8.376236	7.913801	6.840671	5.131255	3.148942	1.158628	0.612128	0.185543	-0.44358	-1.44544	-2.77848	-3.79862	-6.55316	-6.49511	-13.0056	-16.2884	-19.7743	-20.7582	-23.7659	-28.4654	-30.4634	-28.5987	-21.4558	-21.553	-21.7233	-18.7989	-18.9866	-19.619	-17.4368	-19.2156	-18.5252	-15.4703	-15.743	-14.5444		
25	8.4937713	8.391139	7.922339	6.843151	5.166758	3.284257	1.807683	1.004845	0.383299	-0.54625	-0.6976	-2.7982	-4.4951	-7.12469	-11.1426	-16.2599	-21.5772	-27.1412	-30.6988	-28.5892	-23.5791	-19.717	-23.915	-23.6239	-21.5153	-21.9828	-23.7083	-21.3035	-21.138	-20.4209	-16.8325	-18.8135	-19.3373	-15.741	-14.5444		
30	8.4937713	8.402534	7.929487	6.863052	5.261645	3.503801	2.161314	1.437868	0.690175	-0.2592	-1.2407	-2.55986	-3.73668	-7.00279	-10.1739	-13.0725	-16.1583	-18.8437	-20.1792	-19.4946	-20.3573	-21.895	-19.4509	-18.9259	-19.7571	-20.5868	-20.3166	-19.4187	-18.2481	-19.709	-19.8947	-16.3377	-18.4349	-20.0932	-16.077	-15.6668	
35	8.4937713	8.413816	7.936008	6.907537	5.412131	3.7816	2.545292	1.867505	1.143168	0.246925	-0.78959	-2.1216	-3.77756	-6.22426	-8.96873	-11.1778	-13.5225	-15.571	-15.9938	-17.3611	-22.2916	-26.4954	-26.8154	-23.4463	-21.3844	-20.1828	-18.0325	-16.7918	-18.6808	-19.1007	-16.0987	-18.3159	-20.7243	-16.473	-15.881		
40	8.4937713	8.422336	7.948038	6.978932	5.602406	4.061877	2.862495	2.204054	1.507634	0.584285	-0.55404	-1.83211	-3.40756	-6.04551	-8.32797	-8.95994	-10.5664	-13.0215	-14.9996	-15.5054	-16.2671	-20.0586	-26.1892	-23.5149	-22.8476	-24.9159	-25.3968	-20.4206	-17.9923	-19.652	-18.7849	-16.1832	-18.5444	-21.1876	-16.9252	-16.0975	
45	8.4937713	8.429557	7.964822	7.075033	5.811621	4.301008	3.040107	2.373718	1.589586	0.530454	-0.8245	-2.2964	-4.01458	-6.62179	-8.57443	-9.51339	-12.1412	-15.9928	-17.8964	-17.1651	-17.2231	-19.0569	-26.8174	-19.2137	-17.7998	-19.324	-25.1313	-26.9892	-21.4381	-22.1179	-18.7218	-16.5402	-19.0311	-21.4421	-17.4298	-16.3149	
50	8.4937713	8.435783	7.988142	7.190606	6.024449	4.489587	3.084497	2.525985	1.444914	0.238497	-1.39142	-3.26506	-5.24112	-7.32687	-8.1882	-9.45589	-13.3783	-20.4337	-19.7881	-16.5656	-17.5295	-21.5483	-23.3001	-20.9159	-16.7214	-15.8226	-18.3589	-24.3441	-24.5002	-23.7516	-18.6057	-16.9764	-19.429	-21.4415	-17.9875	-16.5291	
55	8.4937713	8.441364	8.017831	7.31895	6.233981	4.653603	3.089582	2.155877	1.378036	0.239912	-1.29049	-2.94867	-4.5325	-6.174	-6.99966	-8.55135	-13.5297	-18.743	-16.4803	-14.1656	-15.6788	-20.1868	-23.8331	-27.2944	-18.719	-15.987	-17.3831	-22.7709	-24.1924	-23.2072	-18.6265	-17.2195	-19.2317	-18.1829	-18.601	-16.7336	
60	8.4937713	8.446558	8.052829	7.453626	6.440214	4.837658	3.196216	2.273913	1.684385	0.845312	-0.2557	-1.27398	-2.30861	-4.07783	-5.9195	-7.90675	-11.8503	-14.7512	-14.0712	-13.2787	-15.0884	-17.9508	-21.2629	-26.9081	-19.5008	-18.0787	-19.066	-23.4123	-22.5237	-22.4019	-19.1962	-17.0968	-18.3325	-20.7641	-19.2736	-16.9197	
65	8.4937713	8.451548	8.091147	7.588677	6.645252	5.078737	3.509193	2.72472	2.331556	1.691424	0.766426	-0.10501	-1.03478	-2.80871	-5.14994	-7.3718	-10.1814	-12.5693	-13.0678	-13.3735	-15.579	-16.9836	-20.3276	-22.2731	-18.2118	-17.8195	-18.1556	-20.6867	-19.4248	-21.6217	-20.5648	-16.6793	-17.1927	-20.3999	-20.0015	-17.0769	
70	8.4937713	8.456446	8.131472	7.718899	6.848563	5.383767	4.024787	3.427138	3.079932	2.383315	1.311024	0.180971	-0.93127	-2.56916	-4.70203	-6.96585	-9.70719	-12.3511	-13.3096	-13.7782	-15.2571	-16.4613	-20.4441	-19.6707	-17.1484	-16.4474	-15.9987	-17.2295	-16.8128	-20.8872	-22.5758	-16.1912	-16.278	-20.1456	-20.7623	-17.1937	
75	8.4937713	8.461305	8.170721	7.839671	7.044736	5.724746	4.637571	4.204794	3.76191	2.822384	1.486364	0.051161	-1.29599	-2.78671	-4.54343	-6.57158	-9.84314	-13.3013	-14.5943	-14.5783	-14.8207	-15.5591	-17.8763	-18.3827	-17.1082	-16.1464	-15.9987	-17.2295	-16.8128	-20.8872	-22.5758	-16.1912	-16.278	-20.1456	-20.7623	-17.1937	
80	8.4937713	8.466137	8.206958	7.946094	7.224539	6.053731	5.210102	4.891919	4.3086	3.056552	1.441019	-0.15971	-1.6421	-3.12959	-4.7766	-6.83656	-9.76921	-13.5034	-15.4816	-16.1735	-15.5915	-17.4303	-19.1827	-21.6112	-20.4765	-18.2605	-16.4084	-16.1929	-21.9135	-22.1448	-15.7666	-15.8855	-20.7601	-22.0621	-17.2604		
85	8.4937713	8.470938	8.238228	8.037197	7.378275	6.325897	5.635643	5.366801	4.672878	3.147255	1.214679	-0.57963	-2.6774	-4.12489	-6.19968	-8.15331	-10.7129	-14.071	-16.7436	-16.4434	-15.5949	-17.4947	-17.1643	-18.2827	-21.2271	-22.0109	-18.0609	-16.6054	-18.2354	-23.8892	-19.7603	-16.0172	-16.4719	-21.4029	-22.2851	-17.1954	
90	8.4937713	8.475703	8.262992	8.108125	7.499479	6.516956	5.866693	5.563821	4.802731	3.139164	0.923463	-1.2199	-3.21059	-5.30934	-7.41375	-8.9827	-10.8141	-11.5636	-14.0488	-15.8763	-13.2519	-13.2874	-15.7753	-16.6259	-20.7054	-17.1788	-14.2584	-15.3981	-21.5342	-24.5717	-17.9911	-16.5156	-17.4143	-22.0377	-22.0152	-17.0612	
95	8.4937713	8.480452	8.280255	8.158539	7.587285	6.629186	5.920034	5.489494	4.68736	3.033669	0.791405	-1.62216	-3.89599	-5.96356	-8.94848	-10.5478	-12.1077	-12.8814	-11.6347	-11.9356	-12.2503	-14.7272	-16.9543	-17.7572	-16.9543	-17.7572	-16.9543	-17.7572	-16.9543	-17.7572	-16.9543	-17.7572	-16.9543	-17.7572	-16.9543		
100	8.4937713	8.485238	8.289669	8.188737	7.646874	6.687633	5.868242	5.240964	4.314425	2.795908	0.849751	-1.34267	-3.69412	-5.54021	-6.20071	-8.29386	-10.4048	-11.8101	-11.6128	-14.1279	-13.611	-13.2954	-15.0234	-17.7488	-17.871	-12.9605	-11.773	-14.0936	-20.4211	-19.4327	-16.0908	-16.7775	-18.123	-20.9999	-20.2334	-16.6639	
105	8.4937713	8.490151	8.291604	8.200449	7.688315	6.731084	5.818377	5.010003	3.952412	2.515997	0.963322	-0.61429	-2.46412	-4.54568	-6.26014	-8.45514	-10.0181	-12.0217	-12.8174	-11.6347	-11.7969	-15.2915	-14.7174	-16.4648	-16.4667	-13.9578	-13.1839	-14.6581	-17.9125	-17.3987	-15.4713	-15.9562	-17.0806	-19.4544	-19.0841	-16.2097	
110	8.4937713	8.495315	8.287177	8.196622	7.72424	6.801585	5.877225	5.026293	3.94315	2.572918	1.278446	0.187984	-1.10673	-2.98725	-4.20994	-6.37018	-8.07965	-9.35482	-12.4622	-17.1243	-20.8021	-16.6121	-15.611	-15.9817	-16.2814	-15.5689	-15.008	-15.3958	-16.6744	-16.3451	-15.1134	-14.9697	-15.8037	-17.9449	-17.9481	-15.9961	
115	8.4937713	8.500867	8.27822	8.181047	7.766507	6.932347	6.10743	5.396319	4.474168	3.222213	1.996739	1.006603	-0.1021	-1.87129	-3.52065	-6.4614	-8.70691	-9.7138	-11.9151	-12.9629	-15.7614	-16.3625	-15.395	-14.7194	-14.3274	-15.176	-16.2199	-16.5786	-16.7433	-16.4637	-15.2562	-14.2639	-14.8029	-16.167	-16.8815	-15.969	
120	8.4937713	8.506938	8.267187	8.157924	7.822285	7.133462	6.488978	5.999914	5.27621	4.068062	2.682452	1.485516	0.300027	-1.7111	-3.5598	-5.80408	-7.76904	-9.67677	-11.7434	-14.126	-13.5877	-15.1717	-13.622	-12.544	-12.9083	-14.7969	-17.3548	-18.1969	-18.0566	-17.9487	-15.8865	-13.9637	-14.202	-15.6243	-15.9004	-15.2279	
125	8.4937713	8.513615	8.256959	8.135552	7.891146	7.383205	6.922732	6.582745	5.919758	2.804053	1.150732	-0.22285	-1.34354	-3.55522	-5.57492	-7.76691	-9.7010	-11.1176	-12.1237	-13.303	-11.7064	-11.6625	-10.8089	-12.5377	-13.3726	-14.9222	-16.8779	-18.5528	-19.9601	-19.7385	-16.2821	-13.9561	-13.9097	-14.7168	-10.5035	-15.8545	
130	8.4937713	8.520911	8.25066	8.100004	7.965281	7.636538	7.28611	6.927702	6.1594	4.603976	2.396978	0.26432	-1.29733	-2.6982	-4.28066	-6.1393	-8.55569	-11.0411	-11.8861	-11.1033	-10.7876	-11.8279	-13.0457	-13.915	-13.362	-14.3088	-15.8564	-17.8059</									

Raw data – ANT3 (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	7.3092866	7.314929	7.26988	6.715029	5.537009	4.063806	2.574007	1.399387	1.247805	1.681227	1.672401	1.286337	0.79013	0.262907	-0.26667	-3.85202	-5.23392	-7.92109	-10.999	-13.2875	-14.4862	-15.2168	-15.6629	-16.5828	-20.9352	-27.7517	-18.1045	-16.564	-17.2152	-15.4525	-16.4328	-19.2648	-18.0025	-15.1615	-12.351	-12.8377
5	7.3092866	7.357592	7.333396	6.742251	5.440272	3.82354	2.4075	1.585046	1.767933	2.373961	2.90354	1.761693	0.806617	-0.62995	-4.46421	-6.22734	-8.81023	-11.927	-13.5648	-13.4824	-13.3782	-16.14	-20.2346	-24.7786	-17.7401	-17.9704	-20.7193	-16.2614	-16.2084	-19.3554	-18.0892	-14.9472	-12.2981	-12.9058		
10	7.3092866	7.394903	7.376511	6.727751	5.285965	3.536963	2.093218	1.915133	2.214502	2.513802	2.123419	1.077225	-0.18931	-1.40253	-3.69689	-5.93132	-8.39733	-12.1116	-15.7026	-15.8727	-14.5633	-14.5888	-17.5912	-22.9103	-23.4337	-23.8792	-21.258	-18.7263	-19.1868	-16.8865	-17.0141	-19.5358	-18.0447	-14.8412	-12.2975	-12.9888
15	7.3092866	7.426281	7.398647	6.677463	5.093223	3.23485	2.21436	2.215768	2.346158	1.97347	1.851294	-0.84901	-2.55494	-5.18055	-7.90509	-10.174	-16.0544	-21.8023	-22.3284	-20.2065	-18.9145	-18.2289	-23.6565	-25.3583	-18.9698	-17.5131	-17.3826	-18.5404	-19.3308	-17.8748	-15.0025	-12.3792	-12.0239			
20	7.3092866	7.451484	7.401652	6.604564	4.899244	2.959874	2.120645	2.24852	1.967616	0.834757	-0.90835	-2.99978	-5.1606	-7.11613	-8.65905	-9.81743	-12.0652	-17.2585	-25.7535	-28.8618	-24.1848	-24.6081	-23.8175	-24.7752	-32.1201	-23.9227	-22.0915	-20.1459	-17.9003	-17.6929	-19.2269	-18.0589	-17.6053	-15.4257	-12.559	-13.2251
25	7.3092866	7.470591	7.389227	6.52663	4.752832	2.799063	2.045068	2.018721	1.199354	-0.45488	-1.15914	-3.94984	-6.1452	-8.48961	-10.1789	-11.3641	-13.8279	-23.4666	-28.5938	-28.2308	-22.5938	-22.5352	-21.7569	-24.6507	-19.1917	-17.4301	-17.9496	-16.1931	-17.173	-16.0998	-12.8398	-12.8938				
30	7.3092866	7.483964	7.366192	6.461658	4.69819	2.834854	2.124208	1.84447	0.651008	-0.95343	-2.20116	-3.65794	-5.31132	-7.0003	-8.41379	-9.76556	-12.4529	-15.5629	-16.504	-15.7196	-17.9182	-24.3187	-21.7009	-20.9434	-19.7507	-19.0664	-20.9468	-24.177	-18.4815	-17.0464	-16.5194	-14.6336	-16.7429	-16.9751	-13.2151	-13.5858
35	7.3092866	7.492189	7.337714	6.42381	4.754604	3.078002	2.437347	2.047188	0.920716	-0.26472	-1.29239	-2.53242	-3.70474	-5.2765	-6.67605	-7.57074	-9.32627	-11.8179	-14.1439	-14.1439	-14.8517	-16.8281	-22.3121	-23.271	-24.8246	-19.1641	-18.9651	-19.6433	-19.0936	-16.6491	-17.3928	-16.0432	-13.7513	-16.5144	-13.6202	-14.7151
40	7.3092866	7.496009	7.308609	6.420308	4.907081	3.443938	2.867654	2.504502	1.636252	0.711932	-0.3243	-1.54997	-2.88293	-4.5626	-6.72604	-7.49823	-9.12844	-11.5347	-13.7081	-14.6618	-15.2695	-18.1655	-24.6495	-24.3802	-21.8025	-22.625	-22.8795	-18.4938	-16.0029	-18.6693	-16.5125	-13.5773	-16.6028	-18.818	-14.7862	-14.0878
45	7.3092866	7.496262	7.282825	6.450752	5.116731	3.813928	3.209591	2.831546	2.078066	1.1524	-0.06029	-1.61503	-3.44371	-5.99569	-8.44131	-9.59646	-10.1404	-13.9008	-16.1431	-16.1779	-15.9666	-19.4739	-20.1342	-21.2905	-16.5614	-19.9738	-17.5012	-14.0156	-17.0603	-16.5149	-14.7444	-14.7444	-14.7444	-14.7444	-14.7444	
50	7.3092866	7.49381	7.263154	6.508962	5.34159	4.107458	3.34318	2.815121	1.983084	0.863339	-0.71231	-2.8023	-4.84723	-5.82975	-5.20712	-5.88115	-9.53924	-15.2632	-18.6569	-16.6366	-16.9225	-19.3999	-22.6072	-20.4662	-14.4223	-15.2508	-19.5559	-22.2346	-17.3758	-20.1806	-18.486	-14.8715	-17.6494	-19.462	-15.3296	-14.7529
55	7.3092866	7.489489	7.251199	6.58618	5.552526	4.308616	3.289636	2.519318	1.549125	0.218796	-1.65664	-3.62726	-4.46963	-6.14571	-8.05588	-7.35588	-7.73797	-13.4546	-14.7095	-12.4572	-13.8299	-16.5583	-20.6233	-20.2699	-14.5763	-14.5024	-16.9717	-19.8236	-17.9823	-20.3322	-19.3031	-15.7858	-18.0385	-19.2244	-15.9367	-15.0883
60	7.3092866	7.484065	7.247504	6.674079	5.736251	4.443355	3.186034	2.228028	1.292143	0.099383	-1.5286	-2.41624	-2.30618	-2.46752	-2.24676	-3.08677	-6.60495	-10.5191	-10.2875	-9.0276	-10.5318	-13.8286	-18.1669	-23.7398	-15.0787	-15.706	-17.8445	-19.3031	-18.8068	-21.6725	-20.0239	-16.275	-17.9779	-18.9156	-16.5684	-15.4726
65	7.3092866	7.478204	7.251803	6.766558	5.89432	4.568508	3.213928	2.278812	1.605668	0.759446	-0.3817	-0.892	-0.93111	-1.86735	-2.8868	-3.99928	-6.49039	-8.67303	-8.42816	-8.0963	-10.2784	-13.7052	-18.2869	-19.7815	-14.4138	-16.3749	-18.324	-19.0544	-19.2281	-23.8361	-20.3667	-16.1509	-17.6356	-18.7707	-17.2311	-15.8709
70	7.3092866	7.472459	7.263269	6.860189	6.033981	4.723019	3.482299	2.781998	2.330897	1.663365	0.626318	-0.19723	-0.79818	-2.25773	-4.13989	-5.60955	-7.29573	-8.83691	-9.10752	-9.52453	-12.4541	-15.1854	-17.9403	-16.6415	-14.4527	-16.2685	-16.3508	-17.504	-18.4442	-24.8932	-20.0528	-15.7638	-17.4715	-18.9315	-17.9236	-16.273
75	7.3092866	7.467267	7.280729	6.953734	6.164012	4.917161	3.946204	3.547732	3.109798	2.283921	1.096402	-0.1242	-1.29477	-2.97529	-4.90564	-6.68482	-8.7714	-10.7985	-10.8145	-12.6672	-15.0036	-15.273	-16.7738	-16.6444	-16.5713	-16.8859	-15.3605	-16.4944	-17.7504	-25.4001	-19.3914	-15.5593	-17.6394	-19.4466	-18.9898	-16.6661
80	7.3092866	7.46295	7.302823	7.047261	6.291455	5.132827	4.457549	4.306154	3.762254	2.58632	1.126236	-0.33902	-1.78914	-3.4499	-5.20165	-7.22128	-10.0997	-13.2518	-13.914	-14.7298	-15.6504	-13.9293	-15.9083	-17.5418	-18.0297	-17.7149	-16.2344	-16.5345	-17.9841	-27.4997	-18.6905	-15.7641	-18.46	-20.242	-19.2522	-17.035
85	7.3092866	7.45974	7.328066	7.141304	6.421666	5.335852	4.880283	4.871923	4.248462	2.740455	0.954358	-0.73324	-2.49992	-4.54626	-6.84867	-9.15487	-11.5443	-13.2625	-13.0592	-14.1656	-15.1571	-16.2072	-18.6665	-17.1923	-16.7023	-16.8665	-17.1923	-16.7023	-16.8665	-17.1923	-16.7023	-16.8665	-17.1923	-16.7023	-16.8665	-17.1923
90	7.3092866	7.457788	7.25508	7.25508	6.558373	5.158084	4.287199	4.487204	2.854161	1.11144	-3.24217	-7.99735	-9.53007	-10.4859	-11.6411	-13.792	-16.1424	-13.782	-12.5872	-13.6555	-14.8578	-16.7001	-18.2917	-14.6687	-14.4936	-19.4482	-23.381	-21.3559	-21.2241	-19.8485	-19.4482	-23.381	-21.3559	-21.2241	-19.8485	-19.4482
95	7.3092866	7.457188	7.282346	7.331995	6.705563	5.296126	3.508293	5.227412	4.404452	2.863094	0.759339	-1.46477	-3.76305	-5.69986	-6.70461	-7.50764	-8.59327	-9.90921	-12.1757	-14.1238	-13.6831	-13.5575	-15.6207	-17.7397	-15.9313	-14.9016	-12.1072	-13.5366	-19.9592	-20.062	-16.7995	-16.2906	-21.6182	-20.5612	-19.6675	-17.8249
100	7.3092866	7.457996	7.408583	7.427741	6.867413	5.892693	5.141218	5.170033	4.338185	2.728182	0.617391	-1.86467	-3.76305	-5.69986	-6.70461	-7.50764	-8.59327	-9.90921	-12.1757	-14.1238	-13.6831	-13.5575	-15.6207	-17.7397	-15.9313	-14.9016	-12.1072	-13.5366	-19.9592	-20.062	-16.7995	-16.2906	-21.6182	-20.5612	-19.6675	-17.8249
105	7.3092866	7.460343	7.432685	7.521788	7.047818	6.105186	5.551101	5.185611	4.269712	2.685562	0.695461	-1.62506	-4.11883	-7.51996	-9.73705	-10.1905	-9.89821	-10.2721	-13.1774	-19.1213	-25.8407	-18.9392	-17.6122	-18.0685	-16.7234	-14.1599	-13.1777	-15.1715	-17.1969	-16.2342	-16.676	-17.8216	-18.3858	-18.103	-17.4806	-17.953
110	7.3092866	7.463941	7.453864	7.611263	7.248336	6.364634	5.781399	5.401884	4.561257	3.107214	1.357716	-1.45516	-2.35045	-4.74104	-6.90598	-8.80626	-10.3808	-11.9421	-12.1451	-13.5974	-17.2112	-18.4467	-15.2491	-14.4429	-15.5323	-16.0839	-16.3209	-17.0924	-16.764	-17.0269	-17.055	-17.4787	-18.0006	-17.4787	-18.0006	
115	7.3092866	7.469082	7.471718	7.691936	7.464505	6.683861	6.119362	5.838722	5.188872	3.937284	2.368541	0.857383	-0.50174	-2.0079	-4.2364	-6.7919	-8.61508	-10.2592	-13.2658	-17.6318	-20.3126	-18.7327	-16.5033	-15.8934	-14.0936	-13.5993	-14.6834	-16.1936	-16.8337	-17.9906	-17.6896	-15.8934	-16.2045	-16.2168	-16.9821	-17.7432
120	7.3092866	7.475026	7.486671	7.758432	7.68234	7.048958	6.534787	6.341473	5.851333	4.688594	3.025806	1.546311	0.241523	-0.4898	-3.20569	-6.1497	-8.61872	-10.3453	-14.0258	-17.2589	-16.5497	-14.7333	-13.1033	-15.9596	-17.1576	-17.7278	-20.6327	-17.7172	-15.3906	-15.2605	-15.4933	-16.1621	-17.4128	-17.4128	-17.4128	
125	7.3092866	7.483482	7.499457	7.805181	7.879499	7.413908	6.947488	6.753706	6.276241	5.019453	3.107007	1.248425	-0.23153	-1.6745	-3.74472	-6.49005	-8.97282	-11.2914	-13.9389	-14.7812	-12.6273	-11.9667	-12.7048	-12.9578	-12.7805	-14.0785	-15.5991	-16.0121	-17.5581	-19.5654	-16.4622	-15.1857	-15.7583	-14.7609	-15.5566	-17.2757
130	7.3092866	7.492475	7.511745	7.828077	8.025948	7.784573	7.915792	6.96719	6.33539	4.923953	2.107423	0.640882	-0.10792	-0.3854	-4.1059	-6.37197	-8.54237	-11.2437	-13.0396	-14.8776	-10.4007	-12.5029	-12.0793	-12.2552	-13.9998	-15.1733	-16.6028	-15.9656	-14.68	-15.0577	-15.3525	-14.7034	-13.9397			

Raw data – ANT3 (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	7.349293	7.326521	7.370955	6.836371	5.864777	5.285307	5.14517	4.807964	4.452682	4.073836	2.793699	0.941419	-0.4012	-1.71199	-3.05728	-4.675548	-6.482947	-8.62947	-9.5456	-11.2251	-12.5991	-18.035	-21.1824	-21.5208	-21.0044	-23.0945	-20.7629	-17.513	-16.885	-16.8044	-15.1635	-14.0439	-13.8462	-15.0372	-16.656	-17.3727
5	7.349293	7.367421	7.373154	7.638643	7.573281	5.281661	5.407738	5.30701	4.844575	4.05546	2.506842	0.707117	-0.55287	-1.93914	-4.09463	-6.788372	-9.53794	-11.8318	-14.7759	-18.1138	-21.3379	-20.4256	-18.8831	-17.2564	-17.3739	-20.2516	-18.2321	-18.8831	-17.2564	-15.7948	-14.2281	-13.7607	-14.2161	-15.6676	-16.5063	-17.1769
10	7.349293	7.39521	7.34581	6.622818	5.898414	5.233871	5.526195	5.549021	4.99554	3.8238	1.83557	-0.52899	-2.5878	-3.81023	-5.97365	-8.62754	-10.7808	-12.2795	-13.5228	-14.3574	-15.0641	-16.6292	-20.2293	-23.0553	-22.3296	-19.0531	-19.1029	-23.494	-18.8756	-17.2389	-15.8895	-15.6022	-15.9446	-16.9502	-16.4028	-17.0047
15	7.349293	7.410756	7.301225	6.511012	5.464463	5.1287	5.407722	5.337843	4.52855	3.012589	0.630011	-2.43495	-3.0587	-4.61322	-6.22806	-10.0504	-11.7598	-15.0509	-19.6702	-22.613	-20.4607	-18.0161	-22.2693	-23.6584	-23.8927	-20.4233	-20.3573	-22.6165	-18.1509	-18.351	-19.1904	-19.7465	-19.2875	-18.8512	-16.2849	-16.6821
20	7.349293	7.415191	7.245132	6.423262	5.386306	4.99351	5.090133	4.731158	3.534238	1.658942	-0.91446	-4.29148	-4.7457	-6.87059	-9.09683	-9.80853	-10.9824	-13.3821	-16.9901	-20.2252	-19.4928	-17.0264	-18.0821	-22.3095	-24.7599	-22.6742	-23.0238	-21.3763	-16.7181	-16.7212	-18.7146	-21.3499	-23.0734	-20.9173	-16.1056	-16.7545
25	7.349293	7.408827	7.184011	6.374056	5.377308	4.085534	4.737826	4.070972	2.557368	0.527671	-1.99379	-5.09739	-5.96761	-9.49364	-11.0212	-14.3472	-17.5037	-19.649	-19.9037	-17.5668	-15.9831	-18.0822	-21.0428	-20.0915	-19.8676	-24.7117	-22.9398	-17.4587	-16.2841	-16.2971	-17.116	-21.2655	-21.7076	-15.851	-16.8687	
30	7.349293	7.396083	7.12288	6.369671	5.444934	4.856465	4.542951	3.825875	2.44927	0.693759	-1.74334	-5.90806	-10.9611	-10.6122	-8.69476	-8.73723	-10.3637	-13.4921	-16.2086	-16.9472	-16.9883	-16.0295	-20.069	-20.7982	-18.3288	-18.1682	-19.9228	-18.5982	-18.3841	-18.4866	-15.6083	-14.3865	-17.9369	-20.4694	-15.5452	-16.663
35	7.349293	7.375424	7.064955	6.407466	5.578998	4.918957	4.573914	4.108379	3.221774	1.924056	-0.19501	-3.65698	-6.89227	-7.39623	-6.96918	-7.77629	-10.566	-14.4031	-15.0165	-14.5812	-15.9405	-17.4843	-21.3167	-18.6832	-19.4853	-18.8649	-15.8854	-16.8344	-22.5747	-16.2322	-13.1747	-15.9495	-18.5886	-15.2371	-16.6875	
40	7.349293	7.349312	7.0116	6.477432	5.756636	5.044981	4.731612	4.56813	4.098199	3.171857	1.571891	-0.71744	-2.89908	-4.32136	-5.24839	-6.84421	-10.2328	-14.7308	-16.598	-15.4331	-14.8703	-17.331	-23.2442	-24.9981	-21.1171	-21.1174	-20.8566	-16.4008	-15.3436	-20.9389	-16.8682	-12.8483	-14.9314	-16.9553	-14.9816	-16.7633
45	7.349293	7.319186	6.962502	6.565172	5.9506	5.195227	4.873728	4.864578	4.596352	3.889952	2.679022	1.103605	-0.43395	-1.80759	-3.27959	-5.40541	-8.60127	-11.6438	-13.2007	-14.1428	-15.7848	-18.7045	-26.9665	-25.014	-21.7429	-19.1093	-21.2885	-18.5748	-14.5852	-17.4128	-16.6551	-12.973	-14.3492	-15.7054	-16.8921	
50	7.349293	7.286357	6.916433	6.655051	6.135129	5.329151	4.926754	4.890392	4.63686	3.979169	2.904046	1.671865	0.618199	-0.45359	-2.07775	-4.46366	-7.41521	-10.4721	-13.4478	-16.3146	-16.6739	-16.5974	-18.3583	-18.01	-16.5132	-19.4812	-19.344	-14.075	-15.8402	-16.2783	-13.2284	-13.9014	-14.809	-14.8189	-17.0732	
55	7.349293	7.253413	6.871216	6.732645	6.267633	5.434107	4.891514	4.693629	4.300604	3.484658	2.88057	1.241014	0.620747	0.14067	-0.93041	-2.88475	-5.52316	-8.89556	-13.3013	-14.9451	-12.7619	-11.6906	-14.0088	-16.8659	-14.8422	-19.2239	-19.2234	-14.0065	-15.904	-16.3068	-13.3375	-13.4225	-14.2516	-14.9879	-17.3027	
60	7.349293	7.21842	6.824913	6.786322	6.388388	5.4873	4.793057	4.36396	3.60257	2.484391	1.987343	0.136881	0.346631	-0.02728	-1.38469	-3.48389	-6.52961	-9.39278	-13.0413	-11.5729	-15.0641	-13.8615	-11.2451	-18.7456	-14.5339	-17.4668	-16.4106	-13.1288	-12.9094	-14.0578	-15.3585	-17.5752	-16.4106	-17.5752		
65	7.349293	7.185737	6.77601	6.808219	6.421203	5.46345	4.641955	3.984713	2.957204	1.770472	1.48748	-0.56167	-0.12614	-0.39223	-0.75298	-1.47781	-3.3987	-6.4013	-7.84815	-8.4397	-9.28351	-10.9327	-14.9388	-17.7278	-12.547	-13.675	-24.9063	-16.3138	-15.1016	-20.356	-15.9992	-12.7011	-12.8087	-14.2824	-15.9794	-17.8667
70	7.349293	7.158163	6.723841	6.794887	6.376261	5.334258	4.473067	3.664738	2.387367	1.45952	-1.3199	-1.53698	-2.62512	-3.73988	-7.11011	-5.34013	-8.57047	-10.6808	-8.83743	-10.6099	-14.0287	-19.0282	-18.5899	-12.0193	-15.0682	-21.613	-14.0784	-15.2154	-22.1286	-15.2273	-12.4047	-13.0748	-15.0007	-16.8454	-18.1653	
75	7.349293	7.122025	6.668785	6.74762	6.254822	5.090472	4.184608	3.538032	2.342616	0.519003	-1.38683	-2.88994	-4.43966	-6.48061	-7.14382	-8.60233	-8.0342	-10.2738	-10.4773	-13.2101	-12.9227	-18.1151	-21.2344	-16.2741	-13.9347	-18.3013	-17.759	-13.6253	-15.2427	-20.1999	-14.7583	-12.5592	-13.9721	-16.2976	-17.9511	-18.4404
80	7.349293	7.107815	6.612296	6.672321	6.069598	4.746779	3.896329	3.602077	2.792121	1.101206	-1.16167	-3.77492	-6.49067	-8.80887	-9.44149	-6.68745	-11.5936	-13.3167	-12.7296	-13.1138	-16.9158	-19.7086	-20.1184	-16.4101	-15.857	-18.8062	-16.9802	-14.9538	-15.1895	-18.5919	-14.9548	-13.3428	-15.6639	-18.2074	-19.2045	-18.6613
85	7.349293	7.092465	6.556807	6.578632	5.852442	4.352952	3.576486	3.722721	3.247581	1.549676	-1.06152	-3.8792	-6.40424	-9.20059	-11.8579	-13.323	-15.2337	-16.1623	-16.411	-19.8023	-22.0375	-19.0402	-18.4608	-14.9998	-14.6274	-16.5459	-17.9599	-15.2788	-14.5148	-18.9698	-15.6017	-14.7506	-18.1473	-20.3954	-20.3423	-18.8001
90	7.349293	7.082472	6.505533	6.478305	5.641008	3.990598	3.24077	3.633243	3.069633	1.465394	-1.47002	-4.23833	-6.29587	-8.66296	-11.5952	-13.6519	-15.346	-17.1608	-19.0638	-19.8983	-18.8176	-18.2037	-16.4704	-14.0574	-14.4529	-16.5609	-16.6131	-12.6163	-13.8877	-21.3736	-15.7659	-16.4674	-20.1941	-21.3834	-20.915	-18.8395
95	7.349293	7.083988	6.462241	6.383055	4.575653	3.756932	2.96424	3.325711	2.940828	0.891268	-2.38944	-5.15614	-6.2181	-6.7394	-7.99911	-9.56314	-10.9237	-12.5588	-13.5564	-13.5597	-13.9886	-15.6352	-15.2222	-14.9828	-17.2382	-17.9547	-13.9255	-10.9456	-14.5312	-21.2526	-14.944	-17.7748	-19.1141	-20.1616	-20.6362	-18.7789
100	7.349293	7.092493	6.431028	6.302486	3.585407	3.725394	2.890227	3.012204	2.466232	0.361168	-2.87782	-5.49166	-7.10719	-6.26165	-8.77892	-12.0583	-17.4971	-9.43408	-10.6321	-12.7128	-15.5836	-17.0313	-17.2287	-19.1947	-17.0991	-13.1601	-11.512	-16.6259	-16.9162	-14.1977	-18.1272	-16.5844	-18.3676	-19.748	-18.6348	
105	7.349293	7.110225	6.416132	6.242806	3.57963	3.914399	3.146603	3.002024	2.337942	0.487308	-1.95452	-3.71168	-4.67583	-5.57824	-6.75497	-8.02934	-9.24008	-11.3053	-11.397	-14.0413	-14.8453	-21.7082	-20.3925	-16.1608	-15.8688	-16.3437	-14.9345	-14.2318	-17.5538	-14.3881	-16.6125	-17.6247	-14.6838	-17.1266	-18.6897	-18.4361
110	7.349293	7.137373	6.42177	6.206807	3.446182	4.277217	3.728472	3.514966	2.77354	1.24118	-4.7088	-7.7161	-6.29686	-4.85751	-7.51496	-9.3446	-14.114	-14.7049	-17.7346	-23.5196	-18.121	-13.8585	-14.4193	-17.4546	-17.7677	-17.1493	-16.5141	-14.3303	-16.6129	-16.4477	-13.6971	-16.6432	-17.7222	-18.2162		
115	7.349293	7.173739	6.451933	6.195203	3.556344	4.720527	4.477985	4.328163	3.555996	2.118689	0.543165	-0.84723	-2.58965	-5.28944	-6.46468	-10.3941	-12.0038	-14.3463	-16.2131	-17.4762	-19.534	-18.9578	-15.8894	-13.181	-14.1938	-15.828	-16.0646	-17.4216	-17.1143	-16.778	-19.3697	-15.0038	-13.6061	-16.8937	-16.9301	-18.0066
120	7.349293	7.218884	6.510057	6.20894	3.567414	5.132349	5.173476	5.117931	4.277348	0.970153	-0.92007	-0.7618	-2.91226	-5.8844	-8.5422	-11.3805	-19.0753	-11.9563	-12.9306	-14.473	-14.7073	-13.3174	-13.0713	-12.9112	-14.3507	-17.4439	-18.3678	-19.0667	-17.4467	-13.9465	-14.4539	-17.7531	-16.3174	-17.8332		
125	7.349293	7.271705	6.598509	6.251591	3.770256	5.411283	5.624516	5.609701	4.676108	2.963055	1.190599	-0.17849	-1.94908	-4.60459	-6.89889	-7.71232	-8.55256	-10.2745	-11.8258	-13.4523	-13.9929	-13.9719	-13.3125	-12.3725	-11.6169	-12.2599	-14.7546	-16.0491	-15.6447	-15.8952	-14.0378	-13.6961	-16.3166	-18.7839	-15.8662	-17.7152
130	7.349293	7.330829	6.717913	6.33051	3.83728	5.494596	5.718354	5.678479	4.728935	3.211299	0.086239	1.548071	1.53885	-3.75487	-5.13029	-6.21433	-7.4845	-9.30273	-10.7803	-11.1978	-11.3367	-10.6001	-11.1032	-13.3645	-15.5966	-14.2798	-13.8485	-13.4683	-13.0345	-14.251	-18.621	-18.9773	-15.5632	-17.6655		
135	7.349293	7.394434	6.866459	6.45533																																

Raw data – ANT3 (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	6.5676574	6.900801	7.356819	7.094649	6.031905	4.978267	4.1401	3.182925	2.451133	1.891717	0.444096	-1.7155	-3.29976	-6.5551	-10.7958	-18.6603	-21.7774	-33.9024	-10.6952	-13.9326	-15.797	-18.6088	-17.1419	-18.1458	-24.8123	-26.6332	-23.3345	-21.656	-18.7819	-18.4405	-16.5206	-15.6241	-15.1889	-16.4511	-26.7414	-21.4759	
5	6.5676574	6.947785	7.372082	7.069187	6.032663	5.066705	4.41507	3.630432	2.752252	1.742149	0.252366	-1.71483	-3.80643	-6.6694	-11.6527	-19.7374	-18.0318	-13.2571	-12.0663	-14.6464	-15.7529	-14.4021	-14.6376	-13.8136	-21.6961	-19.576	-23.2435	-18.6125	-17.9759	-15.4741	-15.0176	-15.1712	-16.9097	-28.0953	-21.9764		
10	6.5676574	6.97967	7.359353	7.045872	6.107072	5.30458	4.865961	4.283928	3.352002	2.154604	0.539022	-1.54752	-3.80556	-6.62611	-11.6537	-19.7374	-18.0318	-13.2571	-12.0663	-14.6464	-15.7529	-14.4021	-14.6376	-13.8136	-21.6961	-19.576	-23.2435	-18.6125	-17.9759	-15.4741	-15.0176	-15.1712	-16.9097	-28.0953	-21.9764		
15	6.5676574	6.997108	7.322415	7.029427	6.235326	5.598183	5.259278	4.687311	3.629457	2.173984	0.189149	-2.36869	-4.6833	-6.56805	-9.2342	-18.8055	-11.7222	-15.0471	-10.4525	-20.1548	-26.3307	-18.6777	-20.5406	-22.1729	-23.4704	-23.0523	-20.9803	-22.5252	-19.3026	-20.8183	-18.7636	-18.5131	-18.1087	-18.8162	-24.0223	-21.9148	
20	6.5676574	7.00109	7.20837	7.020922	6.387971	5.855702	5.447241	4.669798	3.367178	1.688353	0.46583	-0.02629	-4.85056	-6.73951	-8.62043	-9.80363	-9.88121	-12.0103	-15.4635	-24.7421	-27.2681	-23.1963	-22.6857	-20.1677	-18.9737	-18.6486	-19.0256	-19.9951	-20.4923	-21.6221	-21.8371	-21.6586	-26.5994	-22.2151	-21.8371		
25	6.5676574	6.992955	7.192166	7.019847	6.543183	6.039777	5.43222	4.328836	2.766603	1.038368	-0.2901	-3.3711	-5.5175	-7.49533	-9.79628	-11.1446	-11.4232	-13.4227	-16.8516	-16.782	-18.5843	-19.9991	-24.6424	-20.1452	-18.0425	-20.7813	-25.6361	-20.9491	-23.6619	-18.6065	-17.6099	-16.6303	-19.9831	-22.0504	-19.6994	-20.6636	
30	6.5676574	6.974314	7.160684	7.025921	6.695133	6.171706	5.33755	3.962701	2.276411	0.624858	-1.19598	-4.11714	-7.15398	-9.07215	-12.1477	-17.0193	-15.7531	-17.1084	-21.1021	-18.8737	-19.1084	-21.1021	-19.2373	-21.9412	-20.2565	-20.1168	-17.9866	-17.6507	-14.4452	-17.0302	-22.591	-18.092	-19.6992	-20.6636			
35	6.5676574	6.946982	7.013199	7.039539	6.85137	6.306595	5.331117	3.92027	2.389177	0.887784	-0.86423	-3.8104	-6.60782	-7.54874	-8.62082	-10.2325	-13.4075	-17.7978	-19.3479	-18.0278	-18.5714	-18.9002	-20.4256	-21.1816	-20.3628	-21.7998	-19.4819	-16.4103	-16.222	-19.8026	-17.9985	-13.1109	-16.4738	-20.7771	-16.9398	-19.0809	
40	6.5676574	6.912905	6.914491	7.006082	7.022587	6.495337	5.513294	4.293426	3.100118	1.860997	0.463761	-1.3386	-2.99051	-4.45785	-5.87118	-7.82109	-12.6266	-19.2152	-19.3415	-16.9451	-15.844	-18.0002	-24.646	-21.6024	-26.4917	-23.912	-20.5505	-17.733	-15.36	-17.8999	-17.0936	-12.3891	-15.6487	-18.7195	-15.4689	-18.3369	
45	6.5676574	6.874103	6.813679	7.087019	7.21061	6.751654	5.85221	4.844148	3.879324	2.811597	1.692918	0.720304	-0.08456	-1.22523	-2.57171	-4.29481	-8.17977	-13.7314	-11.6084	-17.5675	-15.7128	-17.1161	-16.2428	-21.4011	-19.7334	-18.2638	-19.7869	-22.443	-15.3729	-16.2365	-15.6592	-12.0855	-15.2324	-16.8053	-14.531	-17.6576	
50	6.5676574	6.83261	6.713153	7.112455	7.401022	7.042591	6.23295	5.301295	4.308116	3.153837	2.04439	1.514824	1.388505	1.765259	-2.7885	-1.68148	-4.39611	-8.38667	-11.6102	-16.0376	-17.9776	-22.1668	-17.436	-18.1537	-18.4147	-15.4337	-16.7062	-19.0826	-14.2181	-15.5786	-14.9208	-12.0958	-14.9519	-15.2088	-13.7157	-17.0489	
55	6.5676574	6.790414	6.61481	7.112705	7.564141	7.303699	6.539991	5.540854	4.304982	2.832285	1.627751	1.595019	2.117509	2.060409	1.491749	0.391915	-1.91139	-5.23988	-8.57521	-11.5147	-12.3157	-12.4645	-13.7488	-18.8564	-20.4653	-14.6239	-16.328	-16.4207	-13.1648	-16.239	-14.9872	-12.2879	-14.5688	-13.9455	-13.1338	-16.5102	
60	6.5676574	6.749407	6.520236	7.119721	7.663048	7.462422	6.690161	5.52551	4.003325	2.129268	0.838022	1.346392	2.249662	2.348536	2.04084	1.166572	-0.99139	-4.61014	-7.01879	-8.72774	-9.40287	-10.2655	-12.7213	-19.1677	-17.5919	-14.4671	-19.3986	-16.1802	-13.2331	-18.5505	-15.1976	-12.4555	-14.0872	-13.0076	-12.6648	-16.0374	
65	6.5676574	6.711334	6.431012	7.079858	7.664137	7.45566	6.628252	5.374174	3.623389	1.490126	-0.05052	0.395969	1.06582	0.726393	0.20891	-0.38385	-2.20779	-5.08603	-7.36066	-8.22238	-9.01385	-10.5744	-14.4129	-18.3262	-14.6831	-15.655	-26.8647	-15.3114	-13.961	-22.2192	-14.8563	-12.4776	-13.5889	-12.3902	-13.327	-15.6255	
70	6.5676574	6.677741	6.349041	7.002234	7.546451	7.239849	6.317111	5.057968	3.380732	1.306178	-0.66797	-1.50254	-1.8596	-3.26284	-4.22033	-4.30787	-5.66833	-8.04661	-9.57634	-9.83311	-10.963	-13.6387	-19.5245	-17.4863	-15.1128	-20.4354	-21.4889	-13.8733	-14.7625	-22.8644	-14.2365	-12.5128	-13.3043	-12.0936	-12.1201	-15.2697	
75	6.5676574	6.649934	6.276789	6.888684	7.308613	6.798898	5.730534	4.627764	3.446744	1.589946	-0.56754	-2.78347	-4.98306	-7.94396	-9.30045	-9.33411	-11.1743	-13.562	-13.3747	-12.861	-14.4971	-17.8023	-20.3064	-17.3304	-18.6516	-24.8549	-16.8766	-13.9281	-15.6886	-20.089	-14.1425	-12.9173	-13.4311	-12.1222	-12.0115	-14.9658	
80	6.5676574	6.628938	6.217315	6.749095	6.973139	6.156184	4.862684	4.01902	3.310249	1.9156	-0.49044	-2.33172	-4.9047	-8.36954	-11.381	-13.4332	-17.0641	-20.3538	-18.734	-17.0227	-19.2884	-18.5406	-17.3178	-19.6554	-19.5304	-16.7243	-16.1163	-16.278	-18.4507	-15.1581	-14.0757	-14.1438	-12.482	-11.9832	-14.711		
85	6.5676574	6.615465	6.174006	6.600201	6.586775	5.392415	3.731003	3.093808	2.911945	1.799522	0.006463	-1.67029	-3.69806	-7.15252	-12.0582	-16.1774	-18.7274	-21.6819	-25.8642	-26.657	-20.0011	-17.216	-16.5861	-14.8208	-16.7128	-20.0376	-20.8862	-18.1132	-15.9354	-18.8148	-17.8391	-16.4233	-15.6285	-13.1475	-12.0579	-14.5038	
90	6.5676574	6.6089	6.145065	6.462472	6.213707	4.656554	2.528653	1.79257	1.939826	1.055656	-0.54688	-1.65745	-2.84249	-5.19905	-9.25553	-13.5863	-16.2278	-18.4867	-19.7295	-15.265	-13.0463	-13.2033	-12.5544	-12.7229	-13.3178	-19.6552	-23.2189	-19.6763	-15.6043	-15.9123	-21.8694	-22.6685	-20.5233	-18.0495	-14.178	-12.0059	-14.9642
95	6.5676574	6.612238	6.149184	6.355823	5.919823	4.135104	1.646415	0.404512	0.566121	-0.02604	-1.44374	-2.38119	-2.99165	-4.8345	-7.20748	-9.72603	-13.9022	-10.5233	-11.7421	-11.0241	-10.2628	-10.9085	-11.005	-12.9429	-18.9475	-17.8635	-14.7753	-13.5185	-16.7248	-23.6695	-22.8048	-23.7693	-21.3983	-13.4374	-12.0993	-14.2364	
100	6.5676574	6.622172	6.172149	6.295444	5.757225	3.963376	1.534385	0.1923	-0.38751	-0.59149	-1.64146	-2.74892	-3.57202	-5.23531	-5.9821	-6.46039	-7.9777	-5.54784	-6.9319	-8.86937	-9.91368	-10.7793	-11.4362	-12.557	-13.9298	-16.0745	-14.9917	-13.4362	-12.7773	-15.5971	-17.8837	-18.1402	-19.3482	-22.308	-16.7396	-16.1182	-14.1824
105	6.5676574	6.63903	6.219636	6.289053	5.72789	4.149645	2.240907	0.716133	0.212129	0.21521	-0.32241	-1.06613	-1.77801	-2.80533	-4.13951	-4.96501	-5.66783	-7.58259	-9.0891	-9.43341	-11.3088	-14.5225	-14.3923	-13.5533	-15.7398	-15.2486	-13.7388	-12.0223	-12.7866	-14.5018	-15.5517	-15.3912	-19.5744	-17.7093	-12.1052	-14.1886	
110	6.5676574	6.661819	6.200397	6.436278	5.827389	4.58884	3.382732	2.489101	1.999145	1.861472	-1.42055	-0.44666	0.017233	-1.39155	-3.45508	-4.9749	-6.0479	-7.77201	-9.00369	-10.2024	-13.7124	-16.1256	-15.3629	-16.367	-16.694	-15.7869	-13.7269	-11.3479	-11.3882	-13.5719	-14.2427	-12.9784	-17.9364	-12.8665	-14.2624		
115	6.5676574	6.680273	6.381624	6.429091	6.039037	5.211657	4.525904	4.193241	3.66635	3.13032	2.374923	1.448466	0.372039	-1.52564	-3.90548	-4.96718	-6.07262	-8.40347	-10.2266	-11.3919	-13.2398	-14.9382	-15.7765	-14.8490	-14.4129	-13.4828	-11.7816	-11.9159	-14.0474	-13.1831	-11.6164	-15.4645	-17.3789	-12.889	-14.4126		
120	6.5676574	6.719804	6.490126	6.55895	6.227242	5.596137	5.371523	5.233389	4.600095	3.529066	2.389026	1.514102	0.442373	-1.63388	-3.92238	-5.01601	-7.06847	-11.0599	-11.8379	-11.6882	-13.747	-15.6855	-15.4774	-16.0505	-12.7174	-12.996	-13.2729	-12.9712	-13.4251	-14.0356	-12.0349	-11.0833	-15.1258	-16.3568	-12.0148	-14.6988	
125	6.5676574	6.752012	6.607596	6.710713	6.426452	5.790916	5.786237	5.633045	4.770953	3.321476	2.262148	0.207361	1.40931	0.56795	-2.85451	-4.20168	-5.9928	-10.196	-12.819	-13.7142	-14.2498	-14.4494	-15.0629	-13.5174	-13.0264	-13.3949	-12.7353	-11.2327	-11.2784	-15.0487	-15.1789	-12.057	-14.6981	-12.057	-14.6981		
130	6.5676574	6.783858	6.730949	6.873767	6.600717	6.038838	5.790017	5.470096	4.471522	3.189823	2.82656	3.099278	2.475707	0.963299	-1.58589	-3.04975	-4.88816	-7.7789	-10.6465	-11.728	-11.5501	-12.1715	-13.0728	-11.9374	-11.6525	-12.5634	-12.9757	-12.1902	-12.0454	-11.711							

Raw data – ANT3 (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	6.9303768	6.497864	6.883417	6.723442	5.971496	5.327865	4.701101	3.621443	2.443352	1.214751	-0.76884	-3.09756	-4.44032	-5.72425	-6.95635	-8.1578	-9.2362	-10.2862	-11.3095	-12.3596	-13.4371	-14.5310	-15.6567	-16.8162	-17.9946	-19.1908	-20.4046	-21.6349	-22.8799	-24.1404	-25.4165	-26.7084	-28.0161	-29.3395	-30.6786	-32.0334	-33.4043
5	6.9303768	6.581697	6.982614	6.806312	6.0583	5.403409	4.778342	3.63048	1.974856	0.032052	-1.98223	-3.29448	-4.66465	-5.96665	-7.20428	-8.36759	-9.45086	-10.46386	-11.49739	-12.55193	-13.6274	-14.72402	-15.84132	-16.97916	-18.13754	-19.31642	-20.51579	-21.73566	-22.97603	-24.23691	-25.51842	-26.82056	-28.14389	-29.48826	-30.85377	-32.24044	
10	6.9303768	6.652808	7.052294	6.883873	6.179002	5.597486	5.047676	3.8875	2.289807	0.362012	-1.52842	-2.51461	-3.74422	-5.03038	-6.38753	-7.71438	-9.01368	-10.28516	-11.52847	-12.74367	-13.93175	-15.10349	-16.25919	-17.40044	-18.52688	-19.63956	-20.72941	-21.81633	-22.90038	-23.98163	-25.06016	-26.13603	-27.20949	-28.27996	-29.34751	-30.41214	
15	6.9303768	6.708489	7.093501	6.957136	6.308788	5.870459	5.374778	4.204625	2.64725	0.747214	-1.15588	-2.88928	-4.7342	-6.68126	-8.73212	-10.88916	-13.1618	-15.54667	-17.91	-20.266	-22.6082	-24.939	-27.2628	-29.5819	-31.896	-34.2028	-36.5004	-38.7909	-41.0732	-43.3466	-45.6119	-47.8704	-50.1228	-52.3663	-54.6054		
20	6.9303768	6.751365	7.108043	7.026205	6.410048	6.142907	5.595677	4.447095	2.961064	0.838535	-1.79134	-2.2075	-3.47448	-4.86414	-6.38245	-7.95134	-9.58249	-11.27707	-13.0377	-14.78	-15.581	-17.2564	-19.0675	-20.9183	-22.8699	-24.8235	-26.7799	-28.7391	-30.6963	-32.6516	-34.6053	-36.5578	-38.5087	-40.4578	-42.4044		
25	6.9303768	6.781308	7.097372	7.07446	6.468442	6.320268	5.633785	4.23274	2.41501	0.959739	-0.06304	-1.24438	-2.6671	-4.27831	-5.97482	-7.74807	-9.59343	-11.45282	-13.3212	-15.18732	-17.04888	-18.9205	-20.76818	-22.6306	-24.49873	-26.37298	-28.25349	-30.13024	-31.99819	-33.8579	-35.7094	-37.5528	-39.3981	-41.2348	-43.0631		
30	6.9303768	6.794577	7.063679	7.108301	6.924628	6.476552	5.63309	3.860881	2.088915	1.017551	0.19214	-1.65941	-3.59041	-5.62772	-7.74856	-9.90777	-12.15266	-14.4127	-16.67107	-18.92287	-21.17822	-23.42858	-25.67464	-27.91646	-30.15426	-32.38914	-34.62126	-36.85199	-39.08132	-41.30944	-43.53632	-45.76189	-47.98632	-50.20966			
35	6.9303768	6.800954	7.009578	7.121447	7.049332	6.559674	5.44256	3.671866	1.97863	1.062457	0.054109	-2.53734	-5.09522	-7.46461	-9.80786	-12.14439	-14.47877	-16.81231	-19.14504	-21.47827	-23.81054	-26.14367	-28.47691	-30.81023	-33.14356	-35.47692	-37.81027	-40.14362	-42.47697	-44.81031	-47.14366	-49.47701	-51.80936	-54.14073			
40	6.9303768	6.808969	6.938349	7.115399	7.15631	6.66571	5.535487	3.984014	2.620486	1.720531	0.758378	-0.90677	-2.74856	-4.52277	-6.26736	-8.09414	-9.92737	-11.75203	-13.57677	-15.40159	-17.22637	-19.05167	-20.87691	-22.70216	-24.52741	-26.35266	-28.17791	-30.00316	-31.82841	-33.65366	-35.47891	-37.30416	-39.12941	-40.95466			
45	6.9303768	6.79735	6.853981	7.093181	7.260984	6.844146	5.867038	4.698819	3.67366	2.789485	1.928015	1.22242	0.501646	-0.35565	-1.34836	-2.82616	-4.26111	-5.69409	-7.12752	-8.56103	-9.99449	-11.42794	-12.86139	-14.29484	-15.72829	-17.16174	-18.59519	-20.02864	-21.46209	-22.89554	-24.32899	-25.76244	-27.19589	-28.62934	-30.06279		
50	6.9303768	6.78395	6.761089	7.057505	7.366066	7.085747	6.316504	5.407221	4.443698	3.336134	2.211661	1.688796	1.176239	0.652772	-0.26396	-1.68895	-3.26685	-4.84523	-6.42361	-8.00199	-9.58037	-11.15875	-12.73711	-14.31547	-15.89383	-17.47219	-19.05055	-20.62891	-22.20727	-23.78563	-25.36399	-26.94235	-28.52071	-30.09907			
55	6.9303768	6.767473	6.664736	7.008701	7.454022	7.319638	6.698818	5.799734	4.591423	2.960661	1.285089	1.005522	1.925207	2.189864	1.970063	1.170224	-1.23585	-2.67305	-4.10623	-5.53949	-6.97266	-8.40583	-9.83906	-11.27221	-12.70541	-14.13866	-15.57186	-17.00506	-18.43826	-19.87146	-21.30466	-22.73786	-24.17106	-25.60426			
60	6.9303768	6.749005	6.570221	6.944526	7.491627	7.448931	6.832892	5.766195	4.313633	2.844328	1.285089	1.005522	1.925207	2.189864	1.970063	1.170224	-1.23585	-2.67305	-4.10623	-5.53949	-6.97266	-8.40583	-9.83906	-11.27221	-12.70541	-14.13866	-15.57186	-17.00506	-18.43826	-19.87146	-21.30466	-22.73786	-24.17106	-25.60426			
65	6.9303768	6.73313	6.482877	6.862015	7.443387	7.391979	6.663915	5.33831	3.328366	0.682702	-1.58606	-0.74328	0.748083	0.875341	0.779984	0.315545	-1.7028	-4.62231	-6.31744	-8.0073	-9.69236	-11.38724	-13.0721	-14.75702	-16.44191	-18.1268	-19.81179	-21.49672	-23.18161	-24.8665	-26.55141	-28.2363	-29.92119	-31.60608			
70	6.9303768	6.718857	6.407889	6.7606	7.286104	7.088766	6.161109	4.657467	2.675764	0.459179	-1.48283	-1.98809	-3.18793	-4.28542	-5.31022	-6.38403	-7.45873	-8.53346	-9.60814	-10.68281	-11.75754	-12.83227	-13.907	-14.98179	-16.05652	-17.13125	-18.20598	-19.28071	-20.35544	-21.43017	-22.5049	-23.57963	-24.65436	-25.72909			
75	6.9303768	6.708547	6.350099	6.644979	7.019286	6.563645	5.342276	3.901406	2.569786	1.189735	-0.46155	-2.18079	-3.8796	-5.61942	-7.3608	-9.10943	-10.8578	-12.6062	-14.3546	-16.103	-17.8519	-19.6004	-21.3489	-23.0974	-24.8459	-26.5944	-28.3429	-30.0914	-31.8399	-33.5884	-35.3369	-37.0854	-38.8339				
80	6.9303768	6.703354	6.313768	6.526287	6.951038	6.458029	4.252716	3.099545	2.664589	1.83968	0.353913	-1.17325	-2.73	-4.350087	-5.99138	-7.62053	-9.25002	-10.88013	-12.51033	-14.14053	-15.77073	-17.40093	-19.03113	-20.66133	-22.29153	-23.92173	-25.55193	-27.18213	-28.81233	-30.44253	-32.07273	-33.70293	-35.33313				
85	6.9303768	6.704079	6.302269	6.420841	6.289488	5.005771	2.990737	2.076154	2.267327	1.641167	0.218066	-0.83185	-2.00807	-4.70021	-8.76756	-12.338	-14.9366	-16.4982	-17.5089	-21.007	-22.057	-17.6457	-16.9925	-14.4523	-15.3175	-16.9545	-18.7535	-15.571	-14.8207	-23.5164	-18.9134	-16.444	-15.7328				
90	6.9303768	6.711114	6.317753	6.346699	5.94612	4.253262	1.793474	0.740897	1.059313	0.966099	-1.05244	-1.69932	-4.94224	-9.24739	-14.46498	-19.6708	-24.8825	-30.0947	-35.3067	-40.5182	-45.7297	-50.9412	-56.1527	-61.3642	-66.5757	-71.7872	-76.9987	-82.2102	-87.4217	-92.6332	-97.8447	-103.0562	-108.2677				
95	6.9303768	6.724571	6.360858	6.319233	5.701293	3.751252	1.075039	-0.46699	-0.6238	-1.45152	-3.01138	-5.35618	-7.36656	-9.28352	-11.29264	-13.9111	-15.3759	-16.8202	-18.2739	-19.7276	-21.1813	-22.635	-24.0887	-25.5424	-27.0061	-28.4698	-30.0003	-31.5312	-33.0621	-34.593	-36.124	-37.655	-39.186				
100	6.9303768	6.744027	6.430547	6.347326	5.594416	3.650443	1.158418	-0.58158	-1.47648	-3.41	-4.20906	-5.4621	-6.64479	-8.06747	-9.73737	-11.6099	-13.525	-15.4092	-17.2501	-19.0912	-20.9323	-22.7734	-24.6145	-26.4557	-28.2969	-30.1381	-31.9793	-33.8205	-35.6617	-37.5029	-39.3441	-41.1853	-43.0265				
105	6.9303768	6.768826	6.524119	6.431499	5.630036	3.798633	1.932476	0.641935	-0.42287	-1.4508	-2.8336	-4.21072	-5.68024	-7.1555	-8.7058	-10.2681	-11.8282	-13.3883	-14.9484	-16.5085	-18.0686	-19.6287	-21.1888	-22.7489	-24.309	-25.8691	-27.4292	-28.9893	-30.5494	-32.1095	-33.6696	-35.2297	-36.7898				
110	6.9303768	6.797991	6.63741	6.564356	5.779819	4.212258	2.999734	2.343032	1.560131	0.734936	-1.81906	-3.28506	-4.80001	-6.31555	-7.83092	-9.34618	-10.86158	-12.3769	-13.8922	-15.4075	-16.9228	-18.4381	-19.9534	-21.4687	-22.984	-24.4993	-26.0146	-27.5299	-29.0452	-30.5605	-32.0758	-33.5911	-35.1064				
115	6.9303768	6.830318	6.765129	6.732973	5.99467	4.680269	3.967883	3.792724	3.195711	2.42278	1.694756	0.748809	-0.51829	-2.3277	-4.45483	-6.66613	-8.87798	-11.0898	-13.3017	-15.5136	-17.7255	-19.9374	-22.1493	-24.3612	-26.5731	-28.785	-30.9969	-33.2088	-35.4207	-37.6326	-39.8445	-42.0564					
120	6.9303768	6.864447	6.901298	6.922282	6.223477	5.051787	4.568128	4.529349	4.005113	3.142605	2.612603	1.727527	0.833953	-0.98156	-2.73967	-4.62993	-6.52098	-8.40203	-10.2831	-12.1642	-14.0453	-15.9264	-17.8075	-19.6886	-21.5697	-23.4508	-25.3319	-27.213	-29.0941	-30.9752	-32.8563	-34.7374					
125	6.9303768	6.898953	7.039704	7.118245	6.431776	5.249442	4.704791	4.592817	4.067772	3.370699	3.369654	2.574714	1.809779	0.858976	-0.58976	-1.9323	-3.2031	-4.52869	-5.85342	-7.17923	-8.5004	-9.8215	-11.1426	-12.4637	-13.7848	-15.1059	-16.427	-17.7481	-19.0692	-20.3903	-21.7114	-23.0325					
130	6.9303768	6.923238	7.174332	7.309745	6.615151	5.30047	4.49966	4.221733	3.805151	3.865388	4.393927	4.665345	3.871728	1.948698	-0.39544	-2.29345	-4.00767	-5.66294	-7.31873	-8.97417	-10.6297	-12.2851	-13.9405	-15.5959	-17.2513	-18.9067	-20.5621	-22.2175	-23.8729	-25.5283	-27.1837	-28.8391	-30.4945				
135	6.9303768	6.963278	7.299741	7.688711	6.776406	5.320141	4.295944	4.072044	4.249078	4.678701	5.037878	4.798086	4.513291	3.4543	-0.06868	-2.92376	-4.5684	-6.44177	-8.32593	-10.206	-12.0871	-13.9681	-15.8491	-17.7301	-19.6111												

Raw data – ANT3 (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	7.2222493	6.546332	6.199236	5.89745	5.547387	5.010108	4.767887	4.079502	3.304578	2.283367	-0.58109	-5.96888	-10.938	-14.4788	-11.114	-10.3378	-9.65731	-12.9777	-11.7161	-14.9507	-28.4144	-20.672	-19.7666	-15.7195	-18.322	-15.8229	-16.2495	-15.9727	-17.2569	-16.8001	-15.2405	-13.97	-13.6376	-15.2632	-16.8549	-22.178	
5	7.2222493	6.60525	6.349573	5.977804	5.444411	5.162861	4.934916	4.089792	2.58939	0.270655	-4.71904	-14.4229	-14.8217	-17.3553	-20.2353	-16.1982	-12.7518	-11.8542	-10.3497	-11.9077	-17.7725	-20.7807	-16.3301	-17.5226	-18.9482	-17.4017	-19.2408	-16.3226	-16.4735	-14.9819	-13.5366	-13.3188	-13.6442	-14.603	-16.6246	-22.4715	
10	7.2222493	6.732618	6.494931	6.122008	5.637249	5.454908	5.294658	4.357803	2.303499	-1.1832	-7.6216	-13.7766	-18.0668	-20.8301	-14.7137	-11.3013	-14.4173	-14.9753	-14.4182	-10.3497	-15.9277	-16.5585	-15.023	-16.1311	-17.2823	-19.937	-19.5133	-25.1276	-23.36	-20.9961	-16.8867	-14.864	-14.8968	-14.5236	-14.2289	-22.6144	
15	7.2222493	6.820969	6.63204	6.289368	5.908009	5.848277	5.758493	4.847072	2.755477	-0.45276	-4.39461	-6.10961	-10.963	-13.8943	-7.02589	-9.27152	-12.4582	-16.7786	-19.865	-20.5374	-20.1975	-16.6193	-19.6134	-19.6753	-21.8192	-22.7202	-20.1569	-22.8595	-25.1074	-21.9402	-19.6738	-19.3551	-16.173	-14.1122	-15.8879	-22.5941	
20	7.2222493	6.804284	6.760022	6.469871	6.213385	6.258944	6.206844	5.397545	3.679765	1.517238	-0.32095	-10.9883	-13.3575	-17.0589	-16.6816	-8.70004	-12.3428	-13.9378	-14.2444	-14.9783	-16.2894	-19.2337	-23.9638	-21.2919	-26.2894	-18.3816	-16.6645	-17.4762	-19.2337	-21.6873	-23.3822	-17.4837	-14.159	-15.534	-22.9661		
25	7.2222493	6.981601	6.874537	6.644367	6.500286	6.587205	6.526623	5.815135	4.535323	2.321778	2.185515	1.375499	0.279494	-1.93654	-5.06604	-7.09436	-7.829	-8.86931	-12.3967	-13.2997	-17.4319	-20.0403	-24.5851	-19.1945	-16.6973	-21.9705	-22.5782	-17.4417	-17.3162	-16.7591	-16.683	-16.8095	-16.7221	-14.2773	-15.2371	-22.9152	
30	7.2222493	7.057229	6.973532	6.797876	6.722572	6.78102	6.64047	5.947694	4.907705	3.986162	3.075336	1.830458	1.195207	-1.95207	-3.78977	-10.0218	-15.9436	-16.2982	-17.2947	-19.7281	-19.7504	-19.6851	-19.8519	-15.301	-19.0873	-24.6459	-20.3163	-21.3299	-17.3066	-16.4983	-13.1125	-14.8819	-14.4185	-15.0033	-21.8918		
35	7.2222493	7.115882	7.05475	6.914841	6.85199	6.809178	6.7525025	5.747458	4.667712	3.697512	2.64795	0.944529	-1.35456	-3.46885	-5.84286	-8.83959	-11.637	-15.4982	-20.1958	-21.5947	-24.981	-22.1514	-21.4143	-17.1931	-17.0704	-19.7458	-18.9785	-16.9729	-16.9248	-16.9916	-13.9499	-11.1654	-13.4526	-14.5692	-14.8282	-21.7575	
40	7.2222493	7.172347	7.116671	6.986437	6.88205	6.688582	6.228133	5.317812	4.032514	2.794266	1.724967	0.279378	-1.69424	-3.41566	-5.50821	-8.20235	-12.5143	-18.9776	-24.4144	-25.9582	-26.5274	-23.68	-21.8416	-18.4126	-17.9881	-23.4289	-23.0746	-18.651	-15.7231	-12.896	-14.4097	-13.7221	-12.0477	-12.7163	-14.7021	-14.7088	-21.2753
45	7.2222493	7.221767	7.158822	7.010604	6.826201	6.469325	5.868946	4.889892	3.520423	2.178812	1.402935	0.843229	-0.20095	-1.28895	-2.75067	-4.57491	-7.67685	-11.458	-15.1953	-18.7322	-23.346	-23.3561	-26.0258	-25.0983	-21.7628	-18.6251	-18.8507	-18.2692	-18.2866	-12.9196	-13.3301	-9.93917	-12.5472	-14.7427	-14.6304	-21.0091	
50	7.2222493	7.264463	7.181929	6.991324	6.711175	6.234186	5.589145	4.700066	3.4573	2.201031	1.450512	1.189021	-0.25933	-1.75396	-3.90639	-6.05341	-1.75396	-5.96939	-12.9168	-10.261	-13.9557	-17.1246	-17.0035	-18.0584	-18.0656	-16.7536	-14.3677	-16.0566	-21.4294	-12.332	-13.1887	-13.1595	-10.0719	-12.7352	-14.6075	-14.6113	-20.7848
55	7.2222493	7.300939	7.187884	6.967554	6.566044	6.043035	5.449866	4.675229	3.540094	2.175101	0.945514	0.558249	0.09488	1.087551	0.931496	0.27369	-1.9664	-5.34762	-8.32647	-10.7117	-11.6758	-11.915	-13.231	-16.7045	-16.3746	-13.165	-15.1034	-19.7067	-13.4697	-15.0386	-13.5035	-10.6123	-13.0582	-14.2969	-14.6645	-20.6024	
60	7.2222493	7.331847	7.179571	6.85687	6.412759	5.902932	5.374466	4.575568	3.291059	1.553607	-0.32386	-0.66503	0.949883	0.969837	1.12941	0.95503	-1.73553	-5.26216	-7.83815	-8.68392	-9.32301	-10.3255	-12.1672	-16.8519	-17.9821	-14.0736	-17.5054	-19.4881	-15.1962	-18.1682	-14.2611	-11.5667	-13.3523	-13.9312	-14.8148	-20.4548	
65	7.2222493	7.35796	7.160581	6.761329	6.256283	5.764746	5.21819	4.198757	2.50105	0.281851	-1.97066	-2.1282	-0.85335	-0.73524	-0.88231	-1.33342	-3.51715	-6.8377	-8.71717	-8.85916	-9.78361	-11.3601	-14.0425	-22.1371	-18.4997	-16.9356	-24.5253	-19.6239	-17.8398	-20.9274	-14.9738	-12.9352	-13.5939	-13.6823	-15.0875	-20.3294	
70	7.2222493	7.380123	7.1349	6.658145	6.090538	5.561201	4.871557	3.522127	1.34962	-1.22147	-3.29475	-7.32179	-3.46101	-4.37537	-4.94089	-4.99601	-6.76205	-9.68663	-10.8179	-10.5964	-11.674	-13.7331	-18.0033	-23.7289	-19.9736	-22.7762	-23.8701	-17.8554	-20.0042	-20.6731	-15.7775	-14.7062	-13.8928	-13.6927	-15.4971	-20.2095	
75	7.2222493	7.399218	7.10661	6.553436	5.904994	5.247448	4.299027	2.672429	0.424873	-1.90386	-3.42132	-3.99872	-4.80112	-6.31596	-6.94687	-7.28027	-9.09605	-11.6694	-12.217	-11.7787	-13.3784	-17.2315	-24.3397	-28.2654	-25.3225	-22.2206	-19.5288	-17.1152	-19.5534	-20.0789	-17.0096	-16.7904	-14.3829	-14.042	-16.0301	-20.0768	
80	7.2222493	7.416116	7.079631	6.452122	5.693332	4.817844	3.527588	1.770503	0.066459	-1.41833	-2.29786	-2.2444	-3.60235	-5.39648	-6.873542	-11.6	-12.9874	-13.7813	-16.9134	-21.8819	-26.4164	-25.784	-22.7379	-18.7939	-20.0337	-17.8088	-18.5445	-21.3237	-18.52	-18.6922	-15.0968	-14.7287	-16.6212	-19.9154			
85	7.2222493	7.431644	7.057501	6.359097	5.457599	4.30025	2.606552	0.813591	-0.22338	-0.94016	-1.265	-0.78203	-0.92512	-2.4391	-4.39949	-5.95401	-8.24931	-12.3473	-15.4722	-18.5993	-21.1037	-20.4905	-20.8009	-18.7622	-19.5118	-20.4398	-23.283	-17.5194	-18.42	-23.448	-18.5063	-19.3111	-15.845	-15.6218	-17.1292	-19.7152	
90	7.2222493	7.446545	7.043188	6.280236	5.211617	3.740857	1.71093	-0.20293	-0.8667	-1.07923	-1.07612	-0.9599	-0.8418	-2.33494	-4.7399	-6.94946	-10.2613	-16.5323	-23.7623	-25.9025	-27.1272	-22.6249	-20.0552	-16.2859	-17.9227	-22.6249	-20.0552	-16.2859	-19.2363	-20.502	-16.5503	-18.0616	-16.1617	-16.3581	-17.356	-19.4752	
95	7.2222493	7.461451	7.038896	6.222583	4.978095	3.196721	0.882824	-1.10305	-1.59181	-1.48541	-1.45427	-1.41488	-1.59901	-3.61777	-6.405	-10.5582	-17.3932	-18.4696	-16.5725	-16.278	-15.3091	-16.7424	-23.7727	-17.1929	-23.782	-18.4954	-17.3365	-16.0566	-19.0087	-16.2984	-14.8176	-17.3071	-15.6795	-16.5773	-17.1581	-19.2041	
100	7.2222493	7.476851	7.045893	6.193291	4.790518	2.744974	0.273744	-1.58552	-1.76969	-1.46421	-1.47155	-1.71525	-1.45249	-1.68671	-10.105	-14.989	-18.0288	-17.554	-16.1477	-16.1274	-16.0986	-17.7259	-19.1007	-23.9	-17.8108	-17.6824	-16.1273	-16.5202	-13.9419	-14.1148	-16.1472	-14.6712	-16.1015	-16.5723	-18.9184		
105	7.2222493	7.493183	7.064389	6.197521	4.68245	2.481298	0.041395	-1.44345	-1.24593	-0.76756	-1.18523	-2.48291	-4.09491	-6.41442	-10.1596	-12.6162	-11.97	-11.4307	-11.1345	-11.4237	-15.0086	-19.7529	-18.4504	-19.0787	-22.9195	-19.9354	-18.5963	-15.6825	-14.7936	-13.2789	-14.2678	-14.9594	-13.7135	-15.3243	-15.7784	-18.6392	
110	7.2222493	7.51064	7.093524	6.226321	4.67222	2.465166	0.252205	-0.80376	-0.28019	0.401633	-0.267495	-0.94089	-2.55927	-4.6777	-7.8608	-11.1091	-11.7846	-11.1208	-11.9941	-15.7088	-16.6117	-16.2517	-17.9683	-19.1682	-19.6789	-19.2688	-16.2404	-14.7307	-13.8501	-14.5852	-13.8549	-13.1912	-14.6148	-14.9992	-18.3879		
115	7.2222493	7.529836	7.131515	6.309398	4.752865	2.459496	0.742173	-0.08016	0.503939	1.468501	1.780291	1.11063	-0.38823	-2.467	-5.8608	-7.5419	-9.41492	-11.5438	-13.4956	-14.1762	-16.164	-16.9085	-15.907	-16.4411	-16.1236	-19.0208	-22.0437	-17.4355	-15.1432	-14.6222	-14.3153	-13.1646	-13.2828	-14.1111	-14.2286	-18.1838	
120	7.2222493	7.549043	7.175966	6.39893	4.90009	2.972169	1.320169	0.542676	0.985209	2.036751	2.817927	2.763595	1.55428	-0.75752	-3.44749	-5.78402	-8.7869	-13.4708	-15.825	-15.28	-16.6571	-15.2816	-15.3853	-14.995	-18.4386	-19.616	-15.9264	-14.6308	-14.502	-13.6706	-13.1632	-14.0258	-13.7736	-13.6393	-18.0426		
125	7.2222493	7.570931	7.22422	6.506884	5.091464	3.35294	2.012512	1.36463	1.627432	2.576764	3.50663	3.750233	2.173277	0.248339	-0.3337	-3.33161	-12.2249	-14.2219	-16.2545	-17.9626	-15.3128	-14.8691	-16.2761	-14.4632	-14.2944	-13.9505	-13.2732	-13.8877	-15.1928	-13.4813	-13.2102	-17.0755					
130	7.2222493	7.593968	7.273886	6.623035	5.317228	3.811796	2.924641	2.638143	2.737594	3.286507	3.867402	3.876824	2.709173	0.00653	-5.52961	-8.88954	-7.3125	-11.4759	-16.4803	-17.8587	-16.2325	-17.6121	-20.7567	-15.7727	-15.0006	-17.905	-15.8831	-14.4748	-14.6327	-13.4049	-13.155	-14.8653	-15.9314	-13.134	-12.9462	-17.98	

Raw data – ANT3 (5.865GHz)

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	6.694095	5.483141	4.028762	5.558317	6.19494	4.024622	1.502656	2.558262	3.155302	1.69591	-2.66594	-11.7181	-17.7735	-13.6952	-8.89073	-10.6609	-13.2133	-12.7359	-11.1547	-13.4089	-22.3357	-20.9838	-16.1649	-16.003	-22.6997	-16.4252	-14.7491	-19.3366	-12.5106	-10.4683	-13.3632	-12.8865	-13.5902	-18.4576	-13.0425	-13.2715	
5	6.694095	5.490532	4.038957	5.895916	6.570454	4.318589	1.831554	2.907343	2.98775	0.289167	-5.55202	-7.91729	-6.30776	-6.81977	-8.04575	-10.5581	-12.2431	-10.6465	-9.01132	-10.5758	-15.4512	-19.6986	-17.686	-18.1865	-17.7546	-17.3569	-19.228	-13.0636	-12.1435	-14.0615	-12.8006	-13.406	-14.06	-17.4542	-12.8442	-13.3158	
10	6.694095	5.506556	4.062297	6.122012	6.932866	4.978978	2.468676	3.328979	3.174573	-0.18495	-7.20465	-7.28997	-5.0057	-4.85868	-5.88623	-8.1853	-10.9988	-11.4077	-10.7059	-12.4534	-16.982	-17.3826	-14.9224	-16.8372	-24.1382	-17.6105	-18.5997	-15.8609	-13.8062	-12.9582	-15.6271	-16.7389	-12.557	-13.3932	-12.8262		
15	6.694095	5.532125	4.090002	6.320015	7.24531	5.264353	2.913388	3.685599	3.800618	1.67578	-6.28997	-6.18779	-4.0057	-3.86172	-4.72919	-7.23991	-8.66172	-11.8278	-11.2314	-13.6819	-19.7799	-16.8065	-13.311	-13.1663	-21.8692	-15.6151	-17.3569	-16.7278	-18.8142	-15.9626	-12.9238	-13.6838	-17.797	-15.2388	-12.8474		
20	6.694095	5.567927	4.115347	6.43746	7.473435	5.724997	3.505789	3.923965	4.412921	3.751543	1.906703	-1.6613	-6.79341	-10.8106	-10.053	-10.4749	-14.9597	-17.0842	-14.0094	-14.9475	-22.2866	-16.4457	-15.8836	-17.8037	-20.6437	-17.7508	-15.7984	-17.8073	-18.8649	-14.7997	-12.9693	-15.5646	-20.0626	-14.1123	-11.9767	-13.6494	
25	6.694095	5.614407	4.133746	6.458803	7.585735	6.122616	4.095017	4.017165	4.540097	4.709294	3.755117	0.948332	-7.2078	-9.3747	-8.31784	-10.343	-14.5411	-27.2007	-19.9158	-18.4979	-22.2866	-16.4457	-15.8836	-17.8037	-20.6437	-17.7508	-15.7984	-17.8073	-18.8649	-14.7997	-12.9693	-15.5646	-20.0626	-14.1123	-11.9767	-13.6494	
30	6.694095	5.671768	4.143856	6.376837	7.555956	6.376467	4.602414	3.930919	3.97889	4.481574	4.071833	1.579023	-2.18673	-5.51792	-6.77937	-8.95162	-13.25	-16.3439	-19.0436	-16.1426	-21.2153	-26.7782	-18.8423	-15.0902	-18.5791	-23.0239	-23.3579	-20.462	-17.9954	-16.4588	-19.4152	-27.5571	-18.3733	-12.4558	-11.7195	-14.0499	
35	6.694095	5.739975	4.160959	6.192309	7.366961	6.445315	4.947689	3.706071	2.798539	3.3083	3.477728	1.431242	-2.45627	-5.68979	-6.43947	-8.22186	-13.2962	-20.2137	-19.9158	-17.1302	-18.4824	-19.0789	-16.3999	-17.1992	-23.1953	-20.0519	-18.3922	-16.2182	-16.8832	-17.0062	-21.1194	-23.0014	-16.3989	-12.156	-11.8252	-14.3043	
40	6.694095	5.818766	4.155095	5.913471	7.014223	6.322654	5.14064	3.475131	1.387003	1.615527	2.464994	1.245532	-1.80904	-4.94961	-6.25041	-8.07245	-12.9583	-18.6235	-15.6455	-15.5438	-17.2484	-19.3577	-17.504	-17.3586	-15.5382	-16.4787	-20.2465	-17.3515	-15.8613	-16.7685	-17.6773	-18.8421	-15.73	-12.3034	-12.5106	-14.5905	
45	6.694095	5.907766	4.17035	5.559416	6.507445	6.030804	5.259282	3.46191	0.383993	-0.07787	1.297111	1.084593	-2.74624	-4.45528	-6.08588	-8.06588	-13.4717	-17.9854	-18.408	-19.3577	-22.1053	-22.6622	-15.6353	-15.7637	-16.4967	-21.0388	-19.2508	-22.1285	-17.2823	-16.5028	-18.2246	-16.4997	-12.9394	-12.5034	-13.7053		
50	6.694095	6.005992	4.204817	5.16134	5.870885	5.586915	5.533046	3.761078	0.265595	-1.4055	0.092583	0.885348	0.264048	-1.10409	-2.56316	-4.13851	-6.21079	-8.78362	-11.4235	-13.856	-14.3774	-13.5214	-13.89	-15.6317	-16.8884	-18.9227	-15.5757	-14.9706	-18.5753	-17.908	-17.2303	-20.0714	-18.6974	-14.0823	-13.1365	-15.2216	
55	6.694095	6.112864	4.268248	4.762918	5.174121	4.973544	5.255302	4.161368	0.920354	-2.00292	-1.32614	-0.05459	-0.0105	-1.04748	-2.68875	-4.74151	-6.9051	-8.83793	-9.31166	-11.8373	-13.6774	-13.0366	-13.0626	-15.9274	-16.0322	-20.08	-15.9274	-16.0322	-20.08	-15.9274	-16.0322	-20.08	-15.9274	-16.0322	-20.08	-15.9274	
60	6.694095	6.227199	4.368838	4.417567	4.409737	4.154204	4.838355	4.288892	1.751474	-1.40941	-2.50359	-2.084	-1.99914	-2.5109	-3.58066	-5.39623	-8.32412	-10.6526	-9.91423	-9.7444	-11.7427	-14.8729	-16.1503	-12.5039	-10.7267	-14.3455	-13.1164	-12.6045	-19.272	-17.1121	-15.5214	-18.084	-23.4066	-17.5297	-14.4168	-15.8265	
65	6.694095	6.347705	4.511865	4.17999	3.777403	3.158312	3.947912	3.901744	2.157761	-0.18055	-1.67357	-2.94463	-4.26362	-4.58102	-4.27697	-6.13234	-6.85212	-11.0501	-12.6805	-10.419	-9.38808	-10.6907	-17.1773	-14.4086	-12.6059	-19.6179	-15.4687	-13.589	-14.9224	-20.2301	-18.9313	-14.8503	-16.0695	-15.8265	-15.8265		
70	6.694095	6.472876	4.69877	4.091453	3.408227	2.214993	2.653415	2.06423	1.82075	0.554254	0.04349	-1.35998	-3.85181	-6.08582	-6.64837	-6.9004	-9.06741	-13.4979	-17.767	-18.1052	-12.9623	-12.7674	-14.5428	-16.5534	-14.1167	-18.8453	-14.6945	-11.8665	-14.5513	-13.8817	-12.8939	-13.4071	-18.1274	-19.0559	-14.9775	-16.2487	
75	6.694095	6.600884	4.926813	4.16453	3.390033	1.76567	1.423037	1.569088	0.753108	0.246734	0.484146	-0.22139	-3.95169	-6.20599	-6.3837	-6.93148	-13.2597	-16.8476	-17.3301	-21.6809	-15.9264	-15.9264	-15.9264	-15.9264	-15.9264	-15.9264	-15.9264	-15.9264	-15.9264	-15.9264	-15.9264	-15.9264	-15.9264	-15.9264	-15.9264	-15.9264	
80	6.694095	6.730083	5.189318	4.377689	3.703169	2.047464	0.993703	0.553991	-0.66032	-1.06871	0.29833	-0.31644	-1.20324	-2.87767	-5.35469	-8.27614	-9.89766	-15.8211	-18.563	-19.9553	-12.0697	-11.6876	-16.81	-17.0852	-17.4374	-16.4742	-18.2904	-14.9876	-13.5625	-15.4545	-14.5772	-13.9075	-18.0419	-16.6225	-14.3757	-16.3861	
85	6.694095	6.85803	5.476457	4.684316	4.190053	2.76039	1.437655	0.43358	-1.45466	-2.57793	-0.43358	-1.31583	-2.76772	-4.77792	-7.43499	-12.6428	-14.5202	-16.8795	-15.1011	-23.478	-17.2038	-14.4887	-14.4887	-14.4887	-14.4887	-14.4887	-14.4887	-14.4887	-14.4887	-14.4887	-14.4887	-14.4887	-14.4887	-14.4887	-14.4887	-14.4887	
90	6.694095	6.982513	5.776407	5.029282	4.687819	3.479191	2.133332	0.920245	-0.87233	-2.58607	-2.33947	-1.62998	-1.87831	-3.77356	-6.40398	-8.8247	-8.79221	-12.3869	-12.5886	-15.0877	-19.6637	-16.7531	-18.8737	-15.4262	-16.9264	-16.9083	-15.1448	-13.9993	-14.8114	-15.2579	-13.267	-14.249	-16.918	-14.0887	-13.421	-16.2713	
95	6.694095	7.101107	6.051666	5.362791	5.084066	3.981711	2.65953	1.72443	0.568449	-0.80411	-1.59342	-1.38171	-3.23323	-5.41441	-7.95633	-10.7885	-12.8215	-14.5227	-14.0572	-19.6947	-16.7531	-18.8737	-15.4262	-16.9264	-16.9083	-15.1448	-13.9993	-14.8114	-15.2579	-13.267	-14.249	-16.918	-14.0887	-13.421	-16.2713		
100	6.694095	7.211339	6.365273	5.647496	5.316164	4.193877	2.874222	2.283982	1.946317	1.233454	0.136838	-1.32965	-3.39325	-6.1578	-8.91617	-11.1687	-13.2504	-13.6978	-12.7663	-14.0086	-19.8475	-19.9439	-15.8551	-14.449	-14.6923	-17.5716	-16.1489	-15.9368	-16.4567	-14.5113	-12.1586	-11.6213	-12.0809	-12.6308	-12.7766	-16.0303	
105	6.694095	7.310776	6.631795	5.880735	5.354544	4.091794	2.702509	2.41535	2.708839	2.496835	1.403906	-0.26341	-2.22991	-5.39243	-7.72004	-11.4887	-14.4027	-15.9149	-14.6811	-17.7037	-15.1011	-23.478	-17.2038	-14.4887	-14.4887	-14.4887	-14.4887	-14.4887	-14.4887	-14.4887	-14.4887	-14.4887	-14.4887	-14.4887	-14.4887		
110	6.694095	7.397106	6.87902	5.994793	5.190851	3.684098	2.118412	2.008693	2.734901	2.844868	1.813155	-0.230767	-1.05218	-2.54513	-5.20695	-8.71838	-11.268	-13.6469	-15.7625	-18.1609	-15.6397	-12.4283	-14.623	-15.8384	-17.5328	-16.3939	-15.0581	-12.8393	-13.9353	-13.9489	-13.1611	-11.6635	-10.5923	-11.5144	-12.4828	-12.4984	-15.7846
115	6.694095	7.468236	6.987406	6.056999	4.877436	3.069367	1.33555	1.364319	2.45379	2.9133	2.260115	1.179254	-0.21609	-1.34199	-4.18897	-7.76917	-10.1206	-12.7385	-14.1674	-15.867	-16.8063	-12.5435	-13.966	-15.3941	-17.6129	-16.0421	-15.2734	-15.1028	-13.0175	-11.8118	-11.1363	-10.1269	-12.0738	-12.6993	-12.4984	-15.7846	
120	6.694095	7.52238	7.22605	6.06113	4.485762	2.52874	1.046134	1.373845	2.730585	3.557379	3.328123	2.575731	0.88035	-1.20734	-6.05066	-11.2759	-13.7239	-13.8055	-14.3455	-15.1229	-14.6268	-15.0474	-15.2552	-14.3509	-13.2127	-13.4181	-16.0066	-16.0812	-13.4066	-11.3961	-10.89	-11.8723	-12.9547	-12.8028	-12.3297	-15.6107	
125	6.694095	7.558414	7.34399	6.025849	4.172104	2.474282	1.841849	2.447754	3.657023	4.45353	4.179207	2.789222	1.424786	-1.3136	-8.59194	-13.0326	-13.4539	-14.4997	-15.5715	-14.6658	-11.0229	-10.2077	-13.1456	-17.2343	-14.7896	-13.7624	-14.5129	-14.3981	-13.6101	-11.8484	-11.0474	-12.6283	-13.4036	-12.5714	-12.2199	-15.5654	
130	6.694095	7.574592	7.41801	6.06453	4.09948	3.054775	2.208019	3.741468	4.405174	4.707001	3.949183	1.876716	-1.26339	-5.53207	-11.3912	-13.7852	-12.2849	-13.4403	-15.8336	-16.6381	-11.8122	-12.1574	-12.8693	-14.9964	-16.667	-16.483	-14.5886	-13.259	-12.9838	-12.1042	-11.6974	-12.8468	-12.95				

Raw data – ANT3 (5.895GHz)

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	7.3502829	6.677023	4.938482	6.035282	6.947809	4.983504	1.832277	2.469791	3.508091	2.626888	-0.76194	-7.5434	-1.91553	-8.80261	-9.59995	-11.7807	-11.9003	-10.2977	-12.8005	-10.7776	-22.0813	-16.6475	-18.0814	-21.2207	-16.8676	-15.9688	-15.3571	-13.9983	-12.5374	-11.0993	-13.5932	-13.2997	-15.8571	-19.1272	-11.939	-12.4041	
5	7.3502829	6.67857	4.932719	6.334005	7.300196	5.230754	2.279472	2.969681	3.366712	1.40916	-2.81215	-6.07584	-5.95294	-6.15284	-7.27784	-9.99631	-11.7896	-10.9033	-12.3423	-10.0253	-15.0288	-17.9738	-19.1433	-20.4804	-23.4791	-17.3703	-19.3018	-19.0407	-12.941	-12.8953	-13.5391	-15.8386	-18.3104	-11.8333	-13.2922		
10	7.3502829	6.687139	4.945752	6.612763	7.646032	5.659476	2.984461	3.514532	3.406035	0.473719	-5.27793	-6.2482	-6.65652	-4.90557	-5.45836	-8.03252	-11.0394	-11.2836	-10.4016	-11.9405	-15.5796	-19.4439	-17.3707	-21.07	-16.4065	-20.1292	-19.0105	-15.6845	-16.3394	-14.6142	-13.9032	-17.2243	-16.9412	-11.6832	-12.4406		
15	7.3502829	6.687139	4.945752	6.612763	7.646032	5.659476	2.984461	3.514532	3.406035	0.473719	-5.27793	-6.2482	-6.65652	-4.90557	-5.45836	-8.03252	-11.0394	-11.2836	-10.4016	-11.9405	-15.5796	-19.4439	-17.3707	-21.07	-16.4065	-20.1292	-19.0105	-15.6845	-16.3394	-14.6142	-13.9032	-17.2243	-16.9412	-11.6832	-12.4406		
20	7.3502829	6.678015	5.057852	6.986977	8.154361	6.617487	4.489011	4.458513	4.545877	3.74485	2.218992	-0.075324	-3.22683	-10.1642	-12.0588	-13.185	-19.095	-20.4741	-15.1268	-16.2635	-20.4119	-15.3496	-16.8054	-20.6571	-23.7278	-17.0349	-17.106	-18.2137	-18.3928	-14.5429	-12.9246	-16.56	-20.461	-13.9186	-11.7398	-12.7159	
25	7.3502829	6.760567	5.126599	7.038858	8.233757	6.967279	5.137772	4.726507	4.766039	4.799335	4.138904	1.768671	-1.6201	-0.50057	-7.78304	-10.0802	-13.863	-15.9499	-15.0538	-17.4926	-17.5151	-19.8193	-18.7425	-23.0808	-25.2529	-22.4745	-18.6076	-14.7335	-14.4704	-20.4943	-18.5418	-12.7037	-13.9212	-12.9433			
30	7.3502829	6.800722	5.193234	6.984854	8.152089	7.135179	5.622086	4.978897	4.332764	4.643671	4.476709	2.320244	-1.7727	-0.21434	-5.69564	-8.15971	-11.3058	-14.2308	-18.7357	-15.7932	-21.2904	-27.4088	-20.0961	-13.5394	-19.6002	-25.6053	-23.829	-20.2087	-18.455	-16.7225	-18.3166	-24.7305	-15.8781	-11.485	-11.3612	-13.2306	
35	7.3502829	6.847702	5.253908	6.824763	7.888958	7.077682	5.883592	4.681611	3.300809	3.476267	3.823703	2.016899	-1.72753	-0.50156	-6.05857	-8.09726	-12.2172	-20.0432	-19.7726	-17.4034	-22.1186	-19.479	-17.2706	-17.4835	-22.1186	-19.479	-17.2706	-17.4835	-22.1186	-20.4395	-14.1024	-11.4206	-11.5547	-13.5767			
40	7.3502829	6.900774	5.308496	6.569433	7.439976	6.784846	5.932071	4.469306	2.0457	1.69652	2.687588	1.676845	-4.14842	-4.64148	-6.16801	-7.91115	-12.9208	-13.7618	-14.5164	-15.2417	-17.2325	-21.421	-20.6108	-17.8929	-16.4333	-18.1481	-21.2988	-18.9684	-18.8018	-16.9244	-18.0999	-17.6025	-13.4389	-11.4597	-11.9139	-13.9779	
45	7.3502829	6.958793	5.359016	6.241941	6.821448	6.279252	5.843014	4.342054	1.113321	-0.10728	1.431424	1.473036	-0.37944	-2.83172	-4.59716	-6.36859	-9.50093	-14.3642	-16.0696	-17.335	-17.1611	-19.0139	-22.4612	-25.0885	-16.5072	-17.7499	-19.7212	-20.7127	-22.458	-17.6033	-17.8175	-14.5271	-17.7748	-13.9347	-12.0042	-12.4835	-14.4271
50	7.3502829	7.020705	5.409511	5.877341	6.075561	5.98463	5.680198	4.377797	0.981485	-1.3436	0.23465	1.219574	0.50965	-1.14703	-2.83427	-4.59234	-6.9088	-9.64577	-11.9778	-13.6063	-14.9511	-13.7177	-14.0076	-17.0893	-19.3922	-19.8232	-15.4027	-16.4216	-20.3492	-19.2889	-20.131	-21.4195	-15.7436	-13.0812	-13.9058	-14.9121	
55	7.3502829	7.085708	5.464528	5.51591	5.277481	4.772547	5.404071	1.666524	1.60297	-1.60094	-1.07047	0.021289	0.30865	-1.00999	-2.67826	-4.83841	-5.70228	-9.40552	-10.468	-12.6073	-14.3541	-17.1297	-13.7391	-17.2163	-13.8246	-16.9482	-14.0529	-14.7758	-18.8112	-19.348	-19.7169	-27.6776	-19.1912	-14.6664	-13.8002	-15.4142	
60	7.3502829	7.152679	5.528328	5.213946	4.539367	3.834783	4.884523	4.743731	2.437845	-0.72479	-1.98947	-1.74564	-1.81421	-2.25737	-3.02089	-4.4572	-1.9709	-10.2708	-10.3667	-9.85	-10.501	-13.2453	-16.2016	-13.393	-12.0413	-15.2279	-15.0515	-15.0166	-21.5278	-17.6984	-15.507	-19.8453	-23.7748	-16.5115	-14.3977	-15.908	
65	7.3502829	7.220792	5.604323	4.997408	3.999337	2.901246	4.035243	4.42009	2.917914	0.596029	-0.10197	-2.38723	-3.89007	-4.32149	-3.85647	-3.87306	-5.61525	-9.20872	-11.7378	-10.2401	-8.89105	-10.025	-10.5456	-20.8791	-13.7327	-18.0158	-16.6296	-13.8432	-20.3791	-15.9691	-13.0273	-15.434	-23.1427	-17.7683	-14.6922	-16.363	
70	7.3502829	7.289197	5.694811	4.888368	3.768462	2.261944	2.998402	3.657625	2.741651	1.346143	0.564464	-0.75068	-3.14511	-5.40724	-6.32395	-6.83761	-8.80759	-12.5664	-16.5005	-18.0169	-13.6828	-13.1961	-14.6213	-17.0878	-15.0062	-20.2294	-15.8375	-12.3563	-15.4577	-14.9566	-12.4841	-13.7377	-19.996	-17.4148	-14.5933	-16.7471	
75	7.3502829	7.357041	5.800889	4.883429	3.85737	2.234693	2.259407	2.734066	1.922634	1.029339	0.996395	3.040971	-1.27518	-3.21138	-5.46118	-8.5245	-11.981	-15.115	-14.7685	-19.4949	-17.0528	-17.9016	-18.0002	-16.7892	-16.0666	-16.3198	-15.4614	-13.1496	-13.9093	-15.3715	-15.1583	-13.6857	-18.3443	-15.9253	-14.142	-17.0339	
80	7.3502829	7.42343	5.92239	4.961436	4.164062	2.767274	2.262816	2.167526	0.873334	-0.25463	0.117296	0.183697	-0.64777	-2.25047	-4.38142	-6.93663	-8.09491	-13.5907	-18.0061	-17.7156	-11.7978	-11.7346	-17.2716	-18.9789	-20.1511	-17.6199	-19.3416	-17.0238	-14.9195	-17.3042	-15.1457	-14.5894	-17.6045	-14.3231	-13.5226	-17.2091	
85	7.3502829	7.487377	6.057784	5.091399	4.54396	3.477652	2.781771	2.197285	0.351158	-1.56136	-1.24828	-0.56402	-0.99008	-2.82723	-4.98729	-6.50465	-6.46908	-11.3134	-15.5048	-17.3842	-13.2963	-12.0821	-14.4804	-17.6247	-24.6586	-22.682	-18.5896	-16.6834	-17.9538	-14.8979	-15.3338	-16.7739	-13.0072	-12.9026	-17.2747		
90	7.3502829	7.547772	6.20407	5.243142	4.879199	4.053139	3.303242	2.542283	0.731114	-1.43208	-1.77476	-1.34555	-1.96966	-4.00991	-6.10417	-6.8355	-8.06932	-12.322	-12.4791	-15.093	-17.0473	-18.7812	-16.1457	-13.7119	-15.7049	-18.6119	-16.7855	-16.0864	-17.0582	-15.7028	-13.2389	-14.8378	-15.3233	-12.0434	-12.348	-17.2463	
95	7.3502829	7.603538	5.356499	5.38703	5.097846	4.36428	3.563281	2.872936	1.623812	0.032171	-0.90302	-1.6371	-3.29182	-8.08689	-9.91425	-12.8282	-15.3811	-16.5703	-17.4022	-21.7063	-18.0803	-13.3663	-18.0517	-18.6341	-17.4483	-17.284	-17.5318	-14.4652	-12.4042	-13.5882	-13.6707	-11.4269	-12.0086	-17.1474			
100	7.3502829	7.65274	6.150946	5.502269	5.163913	4.383588	3.494144	2.998013	2.46369	1.610012	0.600724	-0.71754	-2.99994	-5.93782	-8.47277	-10.5259	-12.7512	-13.2427	-12.055	-12.8662	-17.6674	-20.1377	-16.5457	-14.6076	-15.4	-19.971	-18.7525	-18.9949	-18.6562	-15.115	-12.7203	-12.4442	-12.3887	-11.1497	-11.7834	-17.0025	
105	7.3502829	7.694405	6.659887	5.576357	5.65987	4.127057	3.093747	2.789796	2.865162	2.560443	1.619437	0.162719	-1.68745	-2.70263	-4.50348	-7.13054	-10.2584	-14.7861	-14.6102	-17.9077	-15.8786	-16.7647	-14.8004	-13.5183	-15.8901	-13.9307	-15.9309	-18.0238	-16.7139	-13.5201	-11.702	-11.7475	-11.9968	-11.6869	-16.8321		
110	7.3502829	7.726783	6.798052	5.607487	4.82387	3.667283	2.472602	2.308199	2.835729	2.91958	1.234213	0.933246	-1.18428	-1.65187	-4.05552	-6.59199	-9.0975	-11.6262	-15.5674	-17.8611	-14.7042	-15.6607	-14.3177	-17.6763	-18.0342	-16.5852	-13.3008	-15.3657	-16.2715	-14.93	-13.0071	-11.4845	-11.8337	-11.5168	-11.6721	-16.6518	
115	7.3502829	7.748313	6.919604	6.065864	4.507872	3.190983	2.041279	2.070106	2.93862	3.389736	2.961332	1.184488	1.147368	-0.58533	-3.5988	-7.5111	-1.01028	-10.3588	-12.9276	-14.9837	-13.4634	-12.0172	-12.9479	-17.0771	-17.3224	-16.5369	-15.9695	-18.2384	-15.4242	-13.1629	-12.2275	-11.9746	-12.6302	-11.9779	-11.7904	-16.4722	
120	7.3502829	7.757531	7.01992	5.92201	4.291948	3.04868	2.395476	2.718893	3.705718	4.33154	4.096284	3.11775	1.55286	-1.12742	-5.49913	-9.9321	-11.5233	-12.4165	-13.3079	-14.0584	-14.6570	-14.0584	-14.5804	-14.2588	-18.0191	-20.3665	-15.6547	-12.6533	-12.0342	-13.0715	-13.8889	-12.3467	-11.7521	-16.8008			
125	7.3502829	7.753174	7.095175	5.592629	4.105038	3.48134	3.506054	3.961251	4.696057	5.144077	4.668768	3.12993	1.819485	-2.44219	-6.6138	-8.7033	-9.71521	-12.7125	-15.2559	-13.7612	-10.1651	-9.6464	-12.8662	-17.3946	-16.7425	-15.9819	-17.3859	-17.2419	-15.7122	-13.1543	-12.6307	-14.5311	-14.8063	-12.3892	-11.7227	-16.1431	
130	7.3502829	7.734276	7.142306	5.629854	4.253837	4.217209	4.723036	5.015284	5.202573	5.075063	3.987821	1.694386	-1.43945	-3.61045	-10.1475	-12.7906	-15.4962	-16.9443	-18.2683	-18.3003	-17.1709	-15.5833	-14.6079	-13.6834	-18.3003	-17.1709	-15.5833	-14.6079	-13.6834	-18.3003	-17.1709	-15.5833	-14.6079	-13.6834	-18.3003		

Raw data – ANT4 (5.15GHz)

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	8.944787	8.800443	8.861442	7.95987	6.583642	5.068803	3.70088	2.65013	2.066226	1.634786	1.065666	-1.52212	-3.85775	-5.5203	-7.76953	-7.99692	-8.62714	-8.784	-12.0209	-14.0689	-15.6615	-19.0126	-26.4721	-30.5537	-38.7245	-49.861	-61.473	-75.826	-88.4457	-17.6221	-16.9949	-17.5235	-18.8216	-19.0188	-19.2617	
5	8.944787	7.93811	8.793162	7.81521	6.372912	4.824086	3.546008	2.661554	2.123372	1.599972	0.000476	-2.40265	-4.98705	-6.90117	-8.88248	-9.55193	-9.4891	-10.0546	-11.0536	-12.489	-16.7578	-20.2356	-25.2322	-29.1592	-32.4712	-37.4382	-46.1422	-58.071	-71.5711	-87.8403	-17.5969	-17.5969	-19.4195	-20.9702	-20.0708	
10	8.944787	8.787356	8.727807	7.684164	6.237675	4.764155	3.634716	2.849907	2.211884	1.314105	0.53067	-3.53704	-6.59844	-8.94785	-10.9229	-10.8508	-10.753	-11.3329	-11.8906	-13.0673	-15.4281	-20.3996	-27.2865	-30.314	-38.1473	-47.7813	-57.3865	-71.5381	-88.2731	-17.4427	-16.0834	-15.5026	-16.6826	-19.1985	-20.429	-18.8155
15	8.944787	8.781906	8.665961	7.580279	6.191428	4.685331	3.921881	3.135666	2.266784	0.995454	-1.28432	-4.81349	-7.86148	-10.668	-12.9053	-12.6389	-12.4139	-11.2299	-11.1111	-12.299	-16.7049	-20.2689	-25.9669	-30.2448	-34.8871	-42.8213	-53.6332	-67.6673	-85.7156	-17.5982	-15.8489	-18.4481	-19.5968	-18.5184	-18.5184	
20	8.944787	8.775892	8.680855	7.502071	6.22475	5.128952	4.200996	3.470002	2.221665	0.510425	-2.29162	-6.62325	-10.7978	-13.1628	-12.9731	-10.9504	-11.7398	-12.6272	-12.1554	-12.3566	-14.2938	-16.8721	-20.3115	-21.903	-38.3015	-50.516	-61.8793	-80.0424	-17.7009	-18.1132	-16.8112	-15.1283	-15.5995	-17.6634	-18.7155	-18.2033
25	8.944787	8.769399	8.554352	7.446418	6.309385	5.10471	4.630463	3.592711	2.08614	-0.02877	-3.33126	-8.84019	-14.494	-16.745	-14.743	-10.8443	-11.8479	-13.7312	-13.2712	-13.7816	-16.8887	-20.3589	-22.7525	-27.0473	-36.7351	-47.8996	-58.2757	-76.4677	-17.5996	-17.096	-17.096	-17.4677	-17.9002	-17.9002		
30	8.944787	8.764173	8.505004	7.4072	6.409491	5.65586	4.871986	3.681434	1.955728	-0.34626	-3.79978	-10.0284	-21.8672	-17.0685	-12.3389	-10.2745	-11.3094	-13.1966	-14.4896	-15.2953	-19.4523	-20.6201	-21.1811	-48.8507	-58.3324	-68.3062	-89.968	-17.8014	-17.0193	-17.4361	-17.8929	-16.8483	-16.7913	-17.3422	-17.5936	
35	8.944787	8.759561	8.460179	7.377476	6.495554	5.81752	4.985073	3.691602	1.936234	-0.22439	-3.34864	-9.06854	-20.0402	-15.0152	-10.6095	-9.07308	-10.3394	-12.6474	-14.2568	-16.1698	-18.0452	-17.2757	-15.1288	-12.6472	-12.9292	-18.4326	-25.1676	-41.494	-49.4534	-51.9088	-51.1598	-17.9087	-17.7571	-16.7143	-16.9418	-17.3787
40	8.944787	8.755746	8.420184	7.351614	6.456678	5.874051	4.900746	3.634968	2.044938	0.243802	-2.41852	-7.38052	-16.3227	-13.5761	-9.48507	-8.05456	-9.13472	-11.7894	-13.2652	-15.7631	-18.7258	-15.4881	-14.4239	-12.4737	-13.6041	-22.4871	-33.7759	-43.1921	-49.8976	-51.0761	-63.6263	-68.9006	-18.2099	-16.821	-16.7388	-17.1113
45	8.944787	8.752924	8.385557	7.326692	6.556802	5.825266	4.802337	3.502288	2.191578	0.75993	-1.57823	-6.06405	-14.3929	-14.2133	-9.90058	-8.27705	-8.90627	-11.0246	-12.6307	-15.3763	-17.5433	-14.5324	-14.3626	-13.5672	-23.2317	-22.551	-33.7558	-43.7078	-50.472	-48.8591	-53.2348	-62.2323	-18.4497	-17.0893	-16.7231	-16.9291
50	8.944787	8.75129	8.357083	7.302883	6.530879	5.676765	4.524083	3.269433	2.240057	1.073137	-1.07518	-5.14533	-12.6575	-17.4449	-12.1835	-10.0421	-10.321	-12.1888	-13.947	-16.5461	-16.8259	-13.84	-14.1382	-15.5126	-17.4786	-17.4348	-14.1618	-15.7618	-20.1797	-15.15	-13.8778	-16.3735	-18.5339	-17.5185	-16.8801	-16.7844
55	8.944787	8.751021	8.35711	7.282963	6.48203	5.490576	4.152551	2.913314	2.082227	1.072586	-0.8814	-4.19903	-9.00292	-13.8419	-12.9633	-13.2932	-14.1413	-16.8371	-19.0726	-19.0956	-15.7379	-13.6871	-17.8248	-14.8677	-14.9608	-17.0623	-16.9104	-15.4997	-15.2267	-17.073	-18.7675	-18.1047	-17.1908	-16.6754	-16.6754	
60	8.944787	8.752259	8.322402	7.271227	6.427545	5.271421	3.728686	2.45187	1.690877	0.799588	-0.8259	-3.10165	-5.6542	-8.22365	-10.7186	-13.1248	-15.1155	-15.2009	-14.2587	-13.7293	-13.5889	-14.1187	-17.3203	-21.2001	-20.0063	-33.5991	-16.3452	-15.4636	-14.111	-15.7005	-16.357	-17.5321	-19.0521	-18.8029	-17.63	-16.597
65	8.944787	8.755096	8.317935	7.272236	6.385015	5.070625	3.310116	1.885318	1.135266	0.37171	-0.8771	-2.42011	-4.00988	-5.87885	-7.98393	-10.1955	-11.8773	-12.2815	-11.6851	-11.7169	-13.9125	-15.2031	-16.8322	-17.3654	-13.0647	-16.0649	-16.8973	-13.5459	-12.9219	-15.8755	-15.9869	-16.9785	-19.0821	-19.4939	-18.1627	-16.5424
70	8.944787	8.759569	8.322721	7.2897	6.369321	4.926153	2.970555	1.37393	0.554491	-0.13369	-1.23469	-2.69527	-4.34314	-6.20112	-8.2486	-10.3133	-12.1167	-13.1586	-13.164	-13.6508	-15.7054	-15.1902	-14.3164	-15.2837	-13.2456	-13.3749	-15.3107	-12.5663	-13.0442	-15.6571	-14.5141	-15.8338	-18.6834	-19.9987	-18.7426	-16.5044
75	8.944787	8.765608	8.336651	7.325697	6.390815	4.868377	2.789325	1.05328	0.118719	-0.65824	-1.97196	-3.86258	-5.95986	-7.97035	-9.75296	-11.3617	-12.8316	-13.3434	-13.2779	-14.4039	-16.1816	-14.6401	-14.2332	-17.0135	-15.3078	-13.6557	-13.6328	-12.6234	-13.7708	-14.555	-13.209	-14.9356	-18.0368	-20.1892	-19.3124	-16.4759
80	8.944787	8.773126	8.359026	7.38026	6.4544	4.914601	2.824999	1.058925	7.47E-05	-1.01185	-2.65396	-4.73529	-6.43451	-7.40344	-8.75185	-8.2287	-9.0737	-10.0204	-10.8174	-12.8476	-15.6953	-14.3964	-14.5462	-18.2047	-15.4882	-13.0395	-13.2191	-13.6298	-14.0648	-13.2752	-12.6648	-14.6601	-17.4537	-20.1139	-19.8104	-16.45
85	8.944787	8.781927	8.388561	7.451276	6.559131	5.037388	3.08849	1.419252	0.208084	-0.29262	-2.57282	-3.98948	-6.7639	-5.45738	-6.05389	-6.36635	-6.96374	-8.0808	-9.6543	-11.4439	-14.1692	-12.7105	-12.7608	-14.5847	-13.1184	-12.578	-14.2699	-14.9284	-13.6949	-12.7866	-13.0824	-15.0555	-17.1322	-19.9617	-17.1816	-16.4242
90	8.944787	8.791766	8.423476	7.534629	6.688294	5.595043	3.492413	2.009546	0.875292	-0.41684	-1.81367	-2.60033	-3.13508	-4.12134	-5.25049	-5.80365	-6.1568	-6.3837	-7.1484	-9.68436	-12.6004	-12.0652	-12.4147	-12.8678	-11.7087	-12.8767	-15.7658	-14.8752	-13.4648	-13.5008	-14.4968	-15.0649	-17.1426	-19.9106	-20.3896	-16.3856
95	8.944787	8.846169	8.461659	7.624577	6.860377	5.573702	3.956066	2.625906	1.475323	0.112782	-1.4872	-1.69976	-2.83058	-3.0418	-4.25491	-5.48018	-6.40539	-6.50939	-6.921	-9.36698	-12.9877	-11.8887	-13.9917	-12.1079	-11.0753	-12.9382	-14.5685	-13.3208	-13.6521	-15.2546	-16.4471	-16.9755	-17.4811	-20.0716	-20.4219	-16.3439
100	8.944787	8.813352	8.500874	7.714339	7.031034	5.863482	4.382201	3.110546	1.858437	0.318026	-1.08101	-1.67706	-2.86086	-2.92574	-4.50702	-6.7832	-8.60103	-8.7604	-8.78223	-10.8483	-14.5346	-16.0794	-14.4563	-11.7535	-11.0752	-12.2609	-12.1594	-11.7396	-13.5043	-16.2305	-17.2096	-17.5299	-18.0884	-20.4106	-20.2879	-16.2686
105	8.944787	8.82444	8.539	7.96853	7.195498	6.137697	4.726363	3.420355	2.00496	0.221774	-1.52975	-2.4805	-3.15466	-4.28894	-6.26942	-8.04234	-10.9272	-11.2695	-11.2491	-12.9212	-16.057	-16.3121	-14.2558	-11.5397	-11.0759	-11.8216	-12.5226	-14.8539	-16.0353	-17.4708	-18.8157	-20.8005	-20.0136	-16.2241	-16.1562	
110	8.944787	8.835279	8.574259	7.865611	7.340534	6.383411	5.008795	3.621596	2.088073	0.250157	-1.66958	-3.22937	-4.55781	-6.12791	-7.7734	-9.91272	-12.796	-14.5945	-14.411	-16.0434	-17.1164	-15.25	-14.275	-13.9642	-13.4857	-12.3216	-10.9883	-10.5441	-11.6227	-13.3229	-14.8557	-17.1252	-19.3887	-21.0512	-19.6366	
115	8.944787	8.845552	8.605422	7.915478	7.455469	6.597849	5.269847	3.83112	2.331454	0.775384	-0.77929	-2.49335	-4.0799	-6.51154	-8.5443	-10.6493	-15.6493	-18.7808	-15.6934	-13.5901	-13.3553	-13.8789	-14.34	-13.8104	-12.1763	-11.1246	-11.6194	-12.7911	-14.2448	-16.7636	-19.5299	-20.9758	-19.2006	-16.0865		
120	8.944787	8.859964	8.631946	7.943422	7.532516	6.781133	5.52101	4.138606	2.790721	1.585186	-0.472979	-0.97584	-2.01715	-3.51994	-5.1802	-7.3746	-14.1114	-15.4041	-15.5227	-15.1213	-14.886	-13.5481	-13.1094	-14.4419	-14.4693	-13.129	-12.7393	-12.5084	-13.0124	-14.1572	-16.501	-19.2662	-20.9312	-18.7495	-16.019	
125	8.944787	8.863349	8.654036	7.949102	7.567095	6.930653	5.805309	4.546174	3.368817	2.291532	1.278663	0.044866	-1.58231	-3.62007	-6.07468	-8.67897	-10.593	-10.8372	-10.4377	-10.8598	-12.3222	-13.2065	-13.3707	-13.6501	-13.7618	-13.2032	-13.0045	-13.3599	-13.7398	-13.4055	-14.5026	-16.4368	-18.7474	-20.054	-18.5307	-15.9598
130	8.944787	8.872581	8.672589	7.953276	7.588668	7.040205	6.095657	5.099223	3.991616	2.766642	1.800622	0.179494	-0.84563	-2.46935	-4.79034	-6.86547	-9.67149	-13.209	-12.4346	-13.2088	-12.8673	-13.1692	-13.5839	-13.834	-13.8233	-15.4528	-16.536	-18.2115	-19.5132	-17.9429	-18.512	-19.9429	-18.512	-18.512		
135	8.944787	8.875497	8.689043	7.970895	7.512141	7.10372																														

Raw data – ANT4 (5.20GHz)

ThetaPhi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	
0	8.7134579	8.609646	8.200014	7.350239	6.008102	4.782017	3.516106	2.261857	1.282238	0.54286	-0.59341	-2.45326	-4.52692	-6.36946	-7.79011	-8.26752	-8.41702	-9.36922	-10.9183	-12.0245	-12.8886	-13.8415	-17.0944	-26.6896	-39.4839	-46.9958	-48.656	-46.7655	-35.1829	-16.9432	-18.2332	-18.4577	-19.1287	-19.882	-22.7953	-20.787	
5	8.7134579	8.632361	8.182258	7.229219	5.858691	4.410082	3.133545	2.111767	1.381995	0.597991	-0.85546	-2.31999	-5.56589	-7.62815	-9.34804	-10.1503	-10.3138	-11.0301	-12.2327	-12.8276	-12.9577	-13.0417	-16.7173	-27.4018	-36.8311	-39.5201	-37.1532	-35.1737	-16.4178	-17.8237	-18.1428	-19.399	-21.1081	-23.5571	-20.6776		
10	8.7134579	8.654415	8.157271	7.119357	5.672548	4.214266	3.065776	2.295558	1.699119	0.733005	-1.18858	-4.24123	-7.52629	-10.2982	-12.7697	-13.3653	-13.6131	-14.081	-15.6205	-14.0073	-14.5761	-16.298	-20.031	-21.7259	-16.0283	-22.7757	-19.1002	-35.9975	-35.957	-16.4851	-16.8264	-18.5876	-21.3586	-23.8869	-20.4518		
15	8.7134579	8.675435	8.131445	7.013247	5.572342	4.253178	3.342692	2.726099	2.027551	0.754509	-1.72662	-5.57017	-9.30837	-12.2074	-13.888	-12.7571	-12.8524	-13.3334	-12.8696	-12.5245	-13.1472	-15.1064	-20.1473	-22.6283	-16.5247	-17.4232	-23.2986	-20.7394	-17.7763	-16.781	-16.3419	-16.1623	-17.6859	-20.5364	-22.3292	-20.1284	
20	8.7134579	8.695143	8.105469	6.932566	5.564174	4.879077	3.809259	3.175641	2.1853	0.444377	-2.22257	-6.59847	-12.22257	-10.3087	-11.705	-12.0913	-10.0005	-12.2129	-14.5187	-13.9341	-10.9099	-13.5542	-14.2729	-17.4043	-29.8636	-17.7595	-18.1688	-22.3548	-18.5715	-17.8953	-18.0462	-17.4122	-16.5425	-17.2814	-19.3311	-20.9307	-19.7372
25	8.7134579	8.713365	8.080159	6.87202	5.625387	4.807081	4.266159	3.47487	2.087138	-0.16341	-3.95532	-9.45186	-10.8379	-10.776	-10.6185	-9.7041	-10.4176	-13.6886	-14.5395	-13.8761	-16.1939	-17.4875	-19.7129	-21.4758	-14.9402	-17.6227	-27.6058	-17.0438	-16.9129	-18.0638	-18.0923	-17.5523	-17.395	-23.393	-19.5796	-19.3114	
30	8.7134579	8.730018	8.05635	6.831482	5.717571	5.099693	4.58741	3.573941	1.79738	-0.80026	-5.3305	-12.889	-12.0181	-10.0979	-9.58228	-9.2004	-10.7355	-14.7764	-14.1363	-13.8296	-18.1931	-23.6478	-20.248	-24.8158	-11.772	-15.7519	-22.693	-15.4524	-17.0793	-17.313	-16.5373	-17.8972	-17.7364	-17.3994	-18.4626	-18.8006	
35	8.7134579	8.745102	8.038472	6.803532	5.803917	5.296431	4.729638	3.502727	1.461057	-1.41686	-6.00035	-16.9208	-13.9563	-9.52189	-8.30152	-7.80827	9.24309	-11.843	-12.7486	-13.4483	-19.6382	-24.6342	-17.9605	-12.5344	-10.7253	-15.7507	-15.9718	-12.8005	-17.6411	-16.7028	-14.3132	-16.7688	-17.8885	-16.8082	-17.6005	-18.4676	
40	8.7134579	8.758674	8.016546	6.784662	5.860332	5.371332	4.699461	3.321219	1.229345	-1.45417	-5.48002	-14.2573	-10.5992	-9.11274	-7.29429	-6.61658	-7.58905	-9.94026	-11.1078	-12.6148	-18.9379	-18.1675	-16.1438	-12.2234	-12.1313	-18.8011	-13.2811	-10.9489	-17.4071	-16.1311	-12.7957	-15.3073	-17.6721	-16.4404	-16.8609	-18.008	
45	8.7134579	8.770833	8.002193	6.772314	5.87802	5.328127	4.524753	3.081985	1.160222	-1.06485	-4.26416	-10.5047	-15.5	-9.46293	-7.26915	-6.38335	-6.94564	-9.00083	-10.2875	-12.1984	-16.8026	-14.1725	-15.3503	-12.936	-12.6985	-23.1053	-12.3877	-10.6959	-17.6802	-15.5812	-12.1717	-14.4453	-17.3301	-16.2849	-16.5801	-17.7451	
50	8.7134579	8.781701	7.992591	6.766255	5.860911	5.18705	4.237088	2.805218	1.167347	-0.6216	-3.26761	-8.25149	-15.7897	-11.1093	-8.35149	-7.17799	-6.91779	-7.21763	-9.51585	-11.1745	-13.6764	-15.5592	-14.1828	-12.546	-13.0437	-10.5735	-19.8794	-12.3523	-12.0466	-19.2376	-15.135	-12.3433	-14.3809	-17.2097	-16.343	-16.7523	-17.5002
55	8.7134579	8.791394	7.988404	6.768133	5.821075	4.976349	3.863698	2.477835	1.109332	-0.38965	-2.65104	-6.4355	-12.9067	-10.5897	-8.92794	-8.48952	9.11144	-12.2678	-15.0875	-18.5651	-14.2992	-10.6555	-11.9912	-15.2993	-17.0117	-16.0809	-12.9331	-14.5098	-16.6888	-14.6395	-13.1037	-15.0305	-17.5001	-16.612	-16.3509	-17.2158	
60	8.7134579	8.800017	7.990073	6.780524	5.774535	4.728415	3.428503	2.079663	0.922554	-0.34638	-1.26405	-4.69545	-12.9688	-10.8531	-9.29634	-14.7389	-15.7325	-15.5891	-14.6522	-12.0493	-14.0296	-13.1261	-17.4377	-14.7804	-13.4922	-14.0927	-15.6336	-15.2504	-14.0976	-14.032	-16.1043	-18.2044	-17.0631	-16.4275	-17.0151		
65	8.7134579	8.807674	7.997708	6.805921	5.737984	4.479118	2.960625	1.610187	0.641963	-0.33375	-1.64819	-3.34642	-5.57061	-8.35548	-11.7329	-16.1742	-19.1325	-14.8064	-11.7569	-11.5282	-11.2752	-10.7779	-13.7286	-15.7157	-11.7236	-12.0084	-15.0381	-13.6112	-12.8044	-13.7745	-14.4422	-16.997	-19.1115	-17.6173	-16.63	-16.8534	
70	8.7134579	8.814298	8.011011	6.845933	5.726479	4.267971	2.506566	1.094351	0.302892	-0.34908	-1.3072	-2.67834	-4.51333	-6.81568	-9.45265	-12.1318	-14.0058	-13.467	-11.9283	-12.0259	-11.9687	-10.9432	-12.478	-13.0009	-10.3849	-11.6968	-14.2338	-11.4055	-11.7687	-13.5964	-13.921	-17.1027	-19.7338	-18.1348	-16.9008	-16.7253	
75	8.7134579	8.819984	8.029249	6.900817	5.751711	4.135887	2.140912	0.590273	-0.12458	-0.60414	-1.48724	-2.83615	-4.46697	-6.40996	-8.71881	-11.1617	-13.0584	-13.0024	-12.2355	-12.7717	-12.5867	-11.3039	-12.4492	-12.8383	-10.8094	-12.1293	-12.4631	-10.2891	-11.6131	-12.9708	-12.907	-16.601	-19.5632	-18.4507	-17.1979	-16.6246	
80	8.7134579	8.824652	8.051281	6.969294	5.820519	4.117762	1.962318	0.225797	-0.62615	-1.24814	-2.33191	-3.68882	-4.91724	-6.33752	-8.20103	-9.9073	-10.6067	-10.5242	-10.7776	-11.9252	-12.6885	-12.2993	-13.3117	-13.6658	-12.0103	-12.3294	-11.4568	-10.3665	-11.6923	-11.7962	-12.1074	-16.1163	-18.6784	-18.4754	-17.4774	-16.5454	
85	8.7134579	8.828226	8.07564	7.048556	5.93362	4.230613	2.05271	0.192054	-0.97877	-2.06147	-3.48672	-4.5046	-4.98123	-5.89926	-7.29915	-8.28348	-8.46569	-6.95754	-9.26362	-10.3785	-11.6939	-11.8114	-12.0483	-12.6652	-12.1313	-12.0679	-11.8068	-11.4303	-11.4453	-10.8475	-11.196	-15.9512	-17.5934	-18.264	-17.6992	-16.4822	
90	8.7134579	8.830609	8.100661	7.134431	6.058005	4.464151	2.413282	0.583057	-0.88478	-2.48621	-4.10921	-4.48489	-4.74013	-5.27955	-6.40079	-7.06689	-6.16688	-6.67722	-7.1405	-8.48213	-9.48629	-10.7677	-10.8003	-11.2753	-11.0817	-11.8945	-13.1246	-12.4826	-11.1162	-10.7787	-12.6374	-16.0074	-16.6828	-17.9556	-17.3331	-16.4307	
95	8.7134579	8.831695	8.124633	7.221691	6.262594	4.782393	2.95137	1.26644	-0.37251	-2.35427	-4.12043	-4.22912	-4.1142	-4.76265	-5.54589	-6.20007	-6.78185	-6.6634	-6.70648	-8.83302	-10.5621	-11.0044	-11.0289	-10.5002	-10.0204	-11.701	-13.2502	-12.0315	-11.1637	-11.8118	-13.9765	-17.9757	-19.0954	-17.6621	-17.8651	-16.3874	
100	8.7134579	8.831382	8.145908	7.305451	6.301339	5.136809	3.542031	2.028418	0.312736	-1.95998	-4.18073	-4.63097	-5.05695	-5.94732	-6.88148	-7.61053	-6.61652	-6.66828	-6.66838	-8.83302	-10.5621	-11.0044	-11.0289	-10.5002	-10.0204	-11.701	-13.2502	-12.0315	-11.1637	-11.8118	-13.9765	-17.9757	-19.0954	-17.6621	-17.8651	-16.3874	
105	8.7134579	8.829587	8.163377	7.37725	6.361263	5.482102	4.089621	2.740525	1.085701	-1.17455	-3.68823	-4.96021	-5.31418	-6.014	-7.27807	-9.3264	-10.7754	-10.9093	-10.6184	-11.4945	-13.3693	-14.0717	-13.3264	-11.403	-10.6547	-10.5857	-9.8695	-10.0018	-11.8758	-14.1758	-14.7834	-15.4133	-15.9198	-17.1869	-17.6545	-16.3189	
110	8.7134579	8.826247	8.176023	7.434884	6.790456	5.786354	4.542801	3.348041	1.924973	0.144856	-1.814	-3.46151	-4.6839	-5.86581	-7.07754	-9.0278	-11.4803	-10.0483	-15.4206	-13.7746	-14.6481	-15.1408	-15.0351	-13.621	-11.8246	-10.5011	-9.74029	-9.86772	-11.2952	-12.9424	-13.8626	-15.44	-16.1363	-16.9222	-17.8628	-16.2933	
115	8.7134579	8.821328	8.183466	7.474015	6.917262	6.034181	4.985104	3.807175	2.664853	1.441434	0.174915	-1.30825	-3.04945	-4.87317	-6.38753	-8.4682	-11.7928	-14.8383	-15.6129	-15.1898	-14.4825	-15.2204	-15.3802	-13.9141	-12.3596	-11.5408	-10.7268	-10.0601	-10.5615	-11.7884	-13.4348	-15.8914	-16.2768	-16.6907	-17.2642	-16.2747	
120	8.7134579	8.818482	8.186629	7.493308	7.000635	6.225485	5.128956	4.099499	3.112619	2.153477	1.210091	-0.02153	-1.76553	-3.84827	-5.8261	-7.97902	-10.0421	-12.5097	-14.6963	-15.8534	-15.8466	-14.0996	-12.7249	-12.9561	-13.1513	-11.6536	-10.7369	-10.477	-11.5827	-13.7844	-16.5426	-16.1502	-16.2995	-17.0914	-16.5646		
125	8.7134579	8.806733	8.188004	7.493919	7.057716	6.371496	5.314429	4.26003	3.249239	2.188223	1.166138	0.068002	-1.23184	-3.51385	-5.75726	-7.46996	-11.4453	-11.8963	-14.2657	-15.8484	-14.7348	-16.1036	-12.7109	-13.4849	-12.8997	-11.4943	-10.8892	-11.0882	-12.2096	-14.7633	-16.8835	-15.7789	-16.081	-16.9733	-16.5646		
130	8.7134579	8.797081	8.183357	7.479654	7.064516	6.488213	5.496342	4.398865	3.260515	1.863307	0.33634	-0.92986	-1.9004	-3.06561	-4.9436	-7.20016	-8.99076	-9.7702	-10.1014	-11.1435	-13.0644	-13.8733	-13.804	-14.0466	-15.5712	-12.0743	-11.3929	-11.4148	-11.7506								

Raw data – ANT4 (5.25GHz)

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	8.6077585	8.467563	8.051438	7.270251	6.252731	5.264822	4.148658	2.592996	0.850827	-0.65471	-2.1909	-4.26018	-6.59481	-8.38126	-9.14651	-9.0821	-9.29866	-10.3022	-11.8866	-13.4131	-14.8337	-15.677	-17.0645	-22.4417	-23.1444	-18.0738	-18.7498	-18.8867	-16.1474	-16.8128	-18.9715	-19.6895	-21.6298	-22.7514	-21.6812	-19.189
5	8.6077585	8.474948	8.004365	7.127175	5.99091	4.855236	3.670923	2.217676	0.782666	-1.00022	-2.57726	-4.78262	-7.07717	-9.46057	-10.1178	-10.3457	-10.5288	-11.1738	-12.3025	-13.7501	-15.5377	-16.8209	-18.5058	-21.2127	-21.4982	-17.6221	-18.0429	-18.5058	-16.3278	-16.772	-17.7221	-21.4899	-22.6633	-21.5663	-19.1107	
10	8.6077585	8.482239	7.957415	6.986731	5.7599	4.545248	3.359132	2.024027	0.476758	-1.33562	-3.68893	-6.82343	-10.1367	-12.4969	-13.4557	-13.3697	-13.9683	-15.2284	-16.6011	-17.2018	-16.8282	-16.676	-16.9471	-23.4214	-19.5176	-18.404	-19.9636	-18.5888	-15.8376	-15.6328	-17.054	-18.057	-19.6206	-21.319	-20.9094	-18.9381
15	8.6077585	8.489334	7.911103	6.858896	5.599758	4.263538	3.335492	2.066782	0.551805	-1.4156	-4.08908	-7.5606	-10.6702	-12.7906	-13.3367	-14.1528	-14.324	-15.621	-16.5571	-16.8401	-14.7261	-16.1625	-15.206123	-30.5757	-19.954	-19.3154	-23.6526	-20.5539	-16.6314	-15.7243	-16.249	-16.7028	-18.0028	-19.7953	-19.9822	-18.6966
20	8.6077585	8.495905	7.866296	6.750835	5.256453	4.505933	3.561899	2.3421	0.659852	-1.54872	-4.44247	-7.48502	-8.95005	-10.0829	-10.9233	-10.9001	-10.5769	-15.4533	-16.0411	-14.4786	-13.8021	-14.3286	-17.007	-29.9479	-21.3405	-19.5646	-23.6571	-21.0404	-17.992	-17.2228	-17.1088	-16.5851	-17.2002	-18.6185	-19.0333	-18.933
25	8.6077585	8.501887	7.824026	6.65527	5.525187	4.697471	3.870925	2.573161	0.648782	-1.87712	-5.0825	-7.85249	-8.27003	-10.6742	-10.1913	-12.3808	-16.4123	-15.6808	-15.2025	-15.3048	-16.5529	-15.3662	-25.2594	-20.9179	-19.4734	-18.6926	-25.8891	-19.8355	-18.2041	-18.904	-18.9498	-17.4206	-17.1167	-17.8612	-18.1951	-18.7073
30	8.6077585	8.507259	7.785358	6.600827	5.561396	4.893136	4.102167	2.652321	0.44405	-2.4415	-6.24829	-9.56579	-8.91147	-8.93518	-9.75287	-10.6242	-12.4731	-16.235	-16.6992	-14.5945	-15.7849	-19.3391	-24.614	-18.0412	-13.8432	-16.7248	-28.6168	-18.3509	-17.8782	-19.4037	-19.7051	-18.4244	-17.4794	-17.4527	-17.5152	-17.7474
35	8.6077585	8.512064	7.751324	6.553932	5.995921	5.01359	4.175189	2.539136	0.065672	-3.16208	-7.88064	-13.6161	-10.6643	-10.0675	-9.17405	-10.6243	-11.8018	-15.5959	-14.7846	-17.2458	-25.2932	-25.9236	-15.4791	-12.5413	-16.2495	-20.261	-25.6586	-17.5302	-19.3944	-18.4809	-18.5227	-17.9182	-17.2938	-16.9992	-17.438	
40	8.6077585	8.516394	7.722893	6.521071	5.616357	5.028139	4.084401	2.276064	-0.36562	-3.74663	-9.00731	-21.495	-12.6626	-9.12233	-8.46292	-8.56428	-10.1414	-12.9597	-10.4547	-14.5181	-19.3449	-28.7344	-24.128	-15.255	-13.321	-18.7661	-16.9912	-13.6339	-17.0533	-19.5353	-17.1702	-17.7579	-18.122	-17.2697	-16.6356	-17.1551
45	8.6077585	8.520376	7.709466	6.500347	5.604542	4.942655	3.897288	1.927288	-0.6708	-3.87175	-8.66179	-20.8509	-13.9814	-9.29746	-8.34081	-8.14401	-10.2286	-12.4241	-13.8763	-19.3199	-20.196	-20.8495	-16.1525	-15.2023	-24.6767	-15.9421	-13.3795	-17.3563	-16.6626	-16.5923	-17.0357	-18.0802	-17.4068	-16.4075	-16.906	
50	8.6077585	8.52415	7.686216	6.491873	5.569208	4.781966	3.58632	1.680294	-0.74008	-3.58053	-7.69624	-16.5773	-16.1562	-10.1591	-8.71496	-0.0884	-8.37986	-10.5981	-12.755	-15.2727	-19.0519	-16.0716	-17.0896	-17.1763	-18.6913	-23.818	-15.6804	-15.0928	-19.2589	-19.9968	-16.6796	-16.8009	-18.0423	-17.6092	-16.2978	-16.6944
55	8.6077585	8.527855	7.6792	6.497232	5.5228	4.57536	3.277066	1.491397	-0.60062	-3.07748	-6.55087	-12.2235	-15.5297	-11.054	-9.02832	-8.06634	-8.56168	-11.6278	-16.216	-20.5567	-17.0419	-14.9584	-17.0964	-17.9663	-18.8937	-19.4852	-16.0553	-18.7457	-21.0398	-19.1538	-17.0793	-17.0414	-18.2623	-17.919	-16.2899	-16.5215
60	8.6077585	8.531611	7.680064	6.518483	5.479902	4.349225	2.959072	1.369284	-0.32626	-2.34548	-4.87737	-7.78692	-10.2021	-10.4917	-10.032	-10.0557	-11.3855	-15.0648	-17.3746	-16.5426	-13.6875	-12.5162	-15.0898	-18.7566	-19.7255	-16.7123	-17.3193	-20.1828	-18.451	-18.4096	-17.2181	-17.5168	-18.8873	-18.3582	-16.3679	-16.3863
65	8.6077585	8.535509	7.688549	6.557208	5.455209	4.127849	2.630661	1.254353	0.007555	-1.42089	-3.07752	-4.85356	-9.92818	-9.34804	-12.2259	-16.179	-21.1209	-18.8202	-14.5691	-13.5119	-12.7294	-12.7986	-15.5538	-16.597	-14.7192	-15.0609	-18.067	-16.0651	-15.6202	-17.8007	-16.6175	-17.8772	-19.9729	-18.9331	-16.5152	-16.2865
70	8.6077585	8.539611	7.703929	6.613816	5.461941	3.939185	2.294995	1.084033	0.269172	-0.63869	-1.86043	-3.3841	-5.30293	-7.80393	-11.0247	-14.6944	-17.2312	-16.3809	-14.7316	-14.7162	-13.8081	-12.7858	-13.3817	-13.2848	-12.7231	-14.7834	-15.9851	-12.9448	-14.409	-17.3101	-15.407	-17.8843	-21.4732	-19.6161	-16.7134	-16.2191
75	8.6077585	8.543942	7.725031	6.687143	5.510666	3.818726	1.986702	0.82597	0.300293	-0.33644	-1.49706	-2.99899	-4.52565	-6.18125	-8.15495	-10.3258	-12.5173	-14.0531	-13.7033	-14.1771	-16.2586	-13.2325	-12.3252	-13.2828	-12.7231	-14.7834	-15.9851	-12.9448	-14.409	-17.3101	-15.407	-17.8843	-21.4732	-19.6161	-16.7134	-16.2191
80	8.6077585	8.5485	7.750313	6.747321	5.607282	3.804755	1.787285	0.529438	0.040539	-0.62842	-1.96517	-3.37992	-4.26551	-5.18078	-6.54913	-8.09621	-9.55378	-11.0106	-12.5153	-13.3473	-12.9887	-12.4321	-13.2325	-15.0139	-15.9603	-15.107	-12.0128	-11.5615	-14.9134	-14.3606	-13.1371	-17.2959	-24.0775	-20.9588	-17.1717	-16.1662
85	8.6077585	8.553266	7.778006	6.870863	5.750914	3.923428	0.368623	0.35955	-1.36878	-3.08497	-4.25176	-4.57682	-4.83119	-5.79523	-6.65955	-7.33663	-8.90235	-9.70331	-10.5269	-11.3932	-12.3742	-13.8245	-16.4705	-16.1213	-13.7963	-12.2743	-12.9867	-14.7649	-12.9056	-12.7509	-17.085	-23.7397	-21.3317	-17.3785	-16.1728	
90	8.6077585	8.558207	7.806297	6.97099	5.932754	4.171949	2.10072	0.56451	-0.53115	-0.68994	-4.37763	-5.33179	-4.89678	-5.16134	-5.92943	-6.4589	-6.62296	-6.92793	-7.6045	-9.11324	-10.9858	-12.4242	-13.3214	-14.3137	-13.2711	-13.1074	-14.1064	-15.1605	-14.1427	-12.4576	-13.0307	-16.9596	-22.5597	-21.305	-17.5336	-16.1963
95	8.6077585	8.565294	7.835537	7.06821	6.157298	4.514316	2.621416	1.15611	-0.17884	-2.1608	-4.95883	-6.17821	-5.5249	-5.7347	-5.9241	-6.0732	-6.5042	-7.0399	-7.46063	-7.9479	-8.52321	-9.8342	-13.5723	-12.2986	-11.4485	-13.3529	-16.0107	-15.8649	-13.9724	-13.0974	-13.85	-16.8382	-21.3001	-20.8821	-17.6164	-16.2332
100	8.6077585	8.568094	7.835537	7.156091	6.345626	4.895485	3.22722	1.9394	0.575347	-1.47801	-4.27964	-5.95955	-6.0318	-6.27552	-7.145	-8.63981	-10.0452	-10.0798	-9.47179	-11.2154	-14.1368	-14.7634	-14.9216	-11.37	-11.1944	-13.302	-15.0807	-14.5543	-14.3717	-14.4708	-14.7676	-16.738	-20.2057	-19.9631	-17.6238	-16.2805
105	8.6077585	8.573826	7.880334	7.229131	6.359619	5.536419	3.78501	2.652365	1.409092	-0.41077	-2.60229	-4.3264	-5.00402	-5.74634	-5.30076	-10.3036	-12.1799	-12.1541	-11.3138	-12.3386	-15.8079	-17.5773	-15.1704	-12.2239	-12.5572	-13.9024	-13.4658	-14.2075	-15.3302	-15.26	-16.8079	-19.1982	-18.9006	-17.4627	-16.335	
110	8.6077585	8.579236	7.899161	7.283584	6.704844	5.88997	4.225642	3.183842	2.098447	0.692367	-1.55217	-2.22017	-3.6085	-4.60685	-6.01749	-6.25587	-7.7607	-7.92357	-8.5066	-10.9642	-10.1427	-14.8336	-14.8324	-15.6354	-12.7274	-12.1499	-12.8929	-12.4237	-15.0172	-17.1596	-18.1626	-17.4864	-16.7828	-16.3963		
115	8.6077585	8.584807	7.915678	7.318122	6.833369	5.852686	4.552508	3.518142	2.56778	1.545103	0.528969	-0.205949	-3.61299	-4.81464	-4.68735	-9.17359	-11.7227	-12.7967	-14.2376	-17.1716	-18.3353	-17.8241	-17.2699	-16.2716	-14.5055	-12.6559	-11.4548	-11.7718	-13.8922	-16.3321	-17.6456	-17.1161	-16.9795	-17.3687	-16.4609	
120	8.6077585	8.590452	7.931342	7.334252	6.922897	6.071053	4.810585	3.723396	2.805006	1.942978	1.166691	-0.146785	-1.38156	-1.73139	-1.47084	-1.43339	-1.60268	-1.80895	-1.82422	-1.94545	-2.09007	-2.286	-16.954	-15.7805	-13.5479	-12.5408	-13.0583	-14.3276	-16.6875	-18.2944	-16.8122	-15.5282	-16.2193	-17.324	-16.6618	
125	8.6077585	8.596151	7.948169	7.336409	6.976372	6.254936	5.0622	3.910708	2.920278	1.875352	0.9864	-0.0363	-1.46023	-3.28276	-5.22548	-6.98659	-8.73205	-10.6899	-11.9326	-13.7362	-16.6429	-18.3958	-16.9798	-16.362	-16.601	-14.8488	-12.5176	-11.8484	-12.916	-15.6985	-18.5298	-17.4441	-15.6449	-16.1084	-17.324	-16.5954
130	8.6077585	8.601804	7.968461	7.331685	7.000733	6.414846	5.345051	4.175461	3.024544	1.677497	0.273192	-0.99765	-2.76732	-4.88111	-6.01024	-6.24272	-6.85508	-6.9494	-6.9494	-7.1138	-12.3732	-16.1077	-17.5883	-16.1622	-17.5883	-16.1622	-17.5883	-16.1622	-17.5883	-16.1622	-17.5883	-16.1622	-17.5883	-16.1622	-17.5883	
135	8.6077585	8.60724																																		

Raw data – ANT4 (5.3GHz)

Theta/Phi	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
0	8.6385438	8.460323	7.940787	7.02965	5.935792	4.91537	3.788836	2.058806	0.144112	-1.52118	-3.24952	-5.49695	-7.68597	-9.38167	-10.4879	-10.2713	-10.1851	-11.0724	-12.442	-13.9977	-16.2995	-18.1377	-18.5977	-22.358	-23.535	-19.1458	-19.7441	-17.7755	-15.8674	-18.1081	-20.1662	-19.6057	-21.3786	-21.0098	-19.4544	-18.9357
5	8.6385438	8.446534	7.838894	6.793182	5.558327	4.41664	3.23714	1.709321	-0.12467	-2.05258	-4.19608	-6.56252	-8.33468	-9.42104	-9.97509	-9.76725	-9.9245	-10.9174	-12.0685	-12.8674	-13.5717	-14.5888	-16.6384	-22.6559	-23.5558	-18.0953	-18.9895	-18.4851	-16.2693	-18.3403	-22.339	-21.6578	-22.0673	-20.8945	-19.2156	-18.7643
10	8.6385438	8.431232	7.733195	6.554473	5.203535	4.001309	2.874317	1.48775	-0.30583	-2.49023	-5.2362	-8.50823	-10.9345	-12.1015	-12.3486	-12.5667	-12.6187	-13.1865	-14.0704	-15.0988	-15.9649	-16.3925	-18.877	-24.7806	-23.5283	-19.278	-20.9338	-20.0685	-16.371	-16.6715	-19.1764	-20.1071	-20.5656	-20.011	-18.7444	-18.5386
15	8.6385438	8.4147	7.626797	6.332433	4.935463	3.796862	2.790845	1.46931	-0.40168	-2.77916	-5.57192	-9.01234	-11.1222	-12.2167	-13.4386	-13.7563	-14.7428	-16.0713	-17.4189	-18.5862	-15.2796	-16.3832	-18.8178	-28.0324	-23.825	-20.4878	-23.9204	-24.1394	-17.5325	-16.1211	-17.319	-18.2581	-18.8192	-18.9176	-17.5557	-18.2778
20	8.6385438	8.397331	7.52318	6.142984	4.791447	3.838373	2.979396	1.624489	-0.43269	-2.96404	-5.68001	-9.74578	-8.84058	-9.71229	-11.059	-11.1964	-13.7689	-16.0826	-17.6015	-16.0586	-14.6295	-16.4035	-16.4621	-23.3823	-20.0237	-24.1924	-19.3893	-17.148	-17.5871	-17.7868	-17.8296	-18.0229	-17.1567	-18.0017		
25	8.6385438	8.379904	7.425739	5.995305	4.763982	4.039305	3.281031	1.815927	-0.46698	-3.13283	-5.65895	-7.30372	-7.78907	-8.83514	-10.6183	-11.9769	-14.7882	-19.2547	-20.8166	-18.4885	-17.0448	-16.6685	-17.8852	-25.3525	-23.0366	-20.9232	-22.6914	-21.6238	-19.9591	-19.0701	-19.5984	-18.6244	-17.6414	-17.4603	-17.0319	-17.7284
30	8.6385438	8.362058	7.33755	5.890864	4.810713	4.265909	3.51852	1.891383	-0.62382	-3.46832	-6.10001	-7.68442	-7.82588	-8.76569	-10.7961	-12.3965	-15.5611	-20.7951	-21.4914	-17.8473	-17.7963	-17.7963	-23.2106	-22.2808	-17.0143	-18.5242	-26.1856	-20.5973	-19.3749	-20.5394	-22.2551	-20.2829	-18.0683	-17.2213	-16.6095	-17.4725
35	8.6385438	8.345264	7.260984	5.825413	4.882165	4.415499	3.591493	1.765256	-1.00255	-4.16698	-7.37429	-9.30969	-8.52368	-8.66656	-10.3	-11.886	-14.8457	-19.1833	-20.1627	-17.7702	-18.8766	-24.7841	-30.6743	-19.183	-14.7192	-16.7038	-22.4683	-18.3259	-18.4777	-20.7703	-22.3925	-21.4863	-18.8207	-17.2444	-16.3608	-17.2451
40	8.6385438	8.329791	7.197843	5.792429	4.943815	4.462119	3.486661	1.450022	-1.57349	-5.1855	-8.49417	-12.2726	-9.42605	-8.33575	-9.20548	-10.3063	-12.3979	-15.6404	-16.8737	-17.0121	-21.0344	-30.9209	-30.0107	-18.6939	-15.2002	-18.3055	-19.9923	-16.2028	-17.6389	-20.4081	-20.5034	-21.076	-19.5437	-17.4554	-16.1244	-17.0538
45	8.6385438	8.316184	7.149278	5.786056	4.982522	4.403188	3.254578	1.061422	-2.08756	-5.97703	-11.3307	-15.8228	-10.2622	-8.1874	-8.63495	-9.43118	-10.672	-13.0715	-14.4495	-15.8551	-21.3553	-23.6106	-24.9908	-30.2867	-17.5482	-23.5468	-19.2236	-15.8895	-17.9167	-20.2253	-19.1271	-20.0311	-20.0073	-17.794	-16.0508	-16.9034
50	8.6385438	8.304931	7.115853	5.802435	5.001834	4.277078	2.976558	0.777712	-2.1663	-5.76338	-10.7595	-16.8781	-11.6316	-8.8205	-8.92255	-9.44264	-10.1064	-12.58	-14.9226	-17.2453	-20.923	-23.7141	-19.3903	-20.3167	-17.5788	-23.1063	-17.9514	-17.7004	-20.2996	-20.3945	-18.5804	-19.4157	-20.3048	-18.2316	-16.0973	-16.7963
55	8.6385438	8.296454	7.097586	5.839559	5.01374	4.121729	2.721475	0.717513	-1.68251	-4.54389	-8.18685	-12.2582	-11.8529	-9.48049	-8.98554	-9.12455	-9.85253	-13.3069	-19.0916	-23.832	-18.539	-14.451	-15.9764	-20.1728	-22.1302	-24.2286	-20.3158	-18.589	-19.4701	-20.3158	-18.589	-19.4701	-20.3158	-18.589	-19.4701	-20.3158
60	8.6385438	8.291084	7.093985	5.896344	5.031856	3.965514	2.509698	0.836989	-0.88944	-2.9116	-7.2863	-8.53164	-8.65798	-8.93888	-8.93888	-9.14925	-15.4325	-19.0926	-23.832	-18.539	-14.451	-15.9764	-20.1728	-22.1302	-24.2286	-20.3158	-18.589	-19.4701	-20.3158	-18.589	-19.4701	-20.3158	-18.589	-19.4701	-20.3158	
65	8.6385438	8.289063	7.104066	5.971683	5.087918	3.824857	2.315244	0.88075	-0.1189	-4.30024	-8.23514	-10.2653	-9.90049	-7.85524	-10.2553	-13.592	-17.7142	-19.1006	-26.7966	-15.7747	-14.2915	-14.2619	-17.4271	-18.6762	-17.1301	-16.3344	-19.4505	-20.5518	-18.0391	-18.6991	-19.107	-21.4351	-23.1104	-20.3605	-18.8004	
70	8.6385438	8.280538	7.126528	6.008263	5.130941	3.714684	2.105123	1.038288	0.420404	-0.34353	-4.89894	-9.42855	-7.471313	-11.1148	-15.3889	-12.7862	-17.0657	-17.0477	-18.0684	-15.7914	-14.8971	-15.6857	-15.3976	-15.3815	-16.5233	-18.4504	-16.7916	-16.5406	-18.1057	-19.0975	-23.0888	-25.4339	-21.4052	-17.2153	-16.7877	
75	8.6385438	8.295563	7.159657	6.170121	5.227182	3.655477	1.8834	0.895599	0.601572	0.069933	-1.11284	-2.72064	-4.42935	-6.35906	-8.67743	-11.0033	-12.7849	-14.1448	-18.7369	-16.0635	-14.4818	-15.7722	-17.3178	-17.6548	-16.4566	-15.2458	-16.3625	-17.1971	-18.6114	-24.2875	-28.7010	-22.8605	-17.6967	-16.6867		
80	8.6385438	8.304106	7.201664	6.287069	5.259533	3.674942	1.707415	0.641096	0.409904	-0.12518	-4.73738	-8.05608	-11.1139	-5.02312	-6.26268	-7.72841	-9.23213	-10.8731	-12.6982	-13.7528	-13.9058	-14.1732	-15.3661	-18.2013	-20.4906	-17.3304	-14.7277	-15.5495	-16.3446	-15.7377	-17.8289	-23.615	-28.7074	-24.3582	-18.2868	-16.9933
85	8.6385438	8.316058	7.250745	6.41049	5.236407	3.793556	1.680389	0.284845	0.015131	-0.73421	-3.70583	-6.92922	-10.0111	-4.83094	-5.11161	-5.89754	-6.7537	-8.0676	-9.664	-10.6888	-12.2517	-14.7128	-16.3281	-19.5972	-17.2327	-15.6298	-15.0975	-15.3519	-15.4532	-17.2055	-21.5243	-26.7288	-25.6241	-18.7282	-17.1315	
90	8.6385438	8.33124	7.305252	6.53588	5.721231	4.019391	1.875146	0.764564	-0.24993	-3.63238	-5.25906	-4.46667	-4.72706	-4.78319	-5.47345	-6.01059	-6.43955	-7.03923	-8.05577	-9.67008	-12.1837	-14.5803	-15.9308	-16.9169	-15.3113	-15.1064	-17.3806	-17.6554	-14.4194	-14.2474	-16.9754	-19.4686	-23.8444	-25.9591	-19.3265	-17.2847
95	8.6385438	8.349412	7.363834	6.65884	5.933346	4.327919	2.272	0.853424	-0.12468	-1.56095	-3.13385	-5.13981	-5.73158	-5.81754	-6.46469	-7.35935	-7.99916	-8.28242	-9.50044	-11.4814	-14.5829	-15.7533	-16.9192	-13.809	-16.153	-19.3307	-16.4833	-14.4059	-15.2326	-16.9483	-18.0055	-22.1648	-24.9937	-19.8051	-15.5113	
100	8.6385438	8.370274	7.425525	6.775568	6.150195	4.684215	2.774181	1.409651	0.308402	-1.26993	-3.46484	-5.03359	-5.52457	-6.18325	-7.45521	-9.33188	-11.1138	-12.1337	-15.1512	-15.5834	-17.0416	-17.5203	-16.0865	-13.8063	-14.1647	-17.2729	-16.52	-14.9115	-15.6291	-17.1878	-16.7229	-17.247	-21.0222	-23.2818	-20.183	-17.6072
105	8.6385438	8.393472	7.497786	6.8833	6.359763	5.052384	3.287183	1.972144	0.842426	-0.68005	-2.59849	-3.98794	-4.75496	-5.07398	-5.76634	-7.11642	-9.18152	-10.4908	-13.0964	-14.7319	-18.1832	-14.0594	-17.2428	-14.9467	-16.3485	-13.9504	-14.2728	-17.2547	-18.1145	-16.3114	-17.2081	-20.0551	-21.5064	-20.246	-16.37	-17.6166
110	8.6385438	8.418596	7.556479	6.990638	6.55235	5.407224	3.766527	2.483708	1.421258	0.166655	-1.27121	-2.49793	-3.6131	-4.90263	-6.69608	-8.58388	-10.2861	-13.7205	-14.3792	-16.2047	-20.3681	-23.0293	-19.9787	-18.1564	-16.4809	-15.3928	-13.402	-14.325	-16.7881	-16.753	-16.2462	-17.8182	-18.9313	-20.0025	-20.6577	-17.9019
115	8.6385438	8.445172	7.625774	7.067704	6.721368	5.735101	4.20883	2.99733	2.033345	1.129704	0.131517	-1.03697	-2.48107	-3.57953	-5.29403	-7.29039	-9.23599	-12.1375	-13.3962	-15.6027	-19.0759	-22.8324	-21.4767	-16.9599	-16.4954	-14.5065	-14.3191	-15.0775	-15.5553	-17.0122	-17.8312	-17.8374	-18.8961	-20.6498	-18.0221	
120	8.6385438	8.472664	7.697998	7.146101	6.863378	6.029584	4.622581	3.40617	2.571826	1.857458	1.065236	-0.0847	-1.69746	-3.44686	-5.05713	-6.94058	-9.84183	-10.4857	-12.0938	-15.0836	-20.15	-23.1348	-21.1671	-20.1931	-20.159	-18.942	-15.5791	-14.1061	-14.3556	-15.5692	-18.6946	-19.1463	-16.6824	-18.2409	-20.6695	-18.1175
125	8.6385438	8.500463	7.773432	7.218664	6.977767	6.286659	5.009296	3.805133	2.921944	1.10545	2.49043	0.115845	-1.38191	-3.28989	-5.36382	-7.47104	-11.4341	-10.2971	-11.5257	-13.9581	-18.2739	-20.6396	-19.1703	-18.0939	-18.8838	-17.4759	-14.9922	-14.3509	-14.8604	-16.4695	-20.4409	-18.5723	-16.6202	-18.2406	-20.6667	-18.1853
130	8.6385438	8.527897	7.852102	7.280011	7.066286	6.501764	5.358478	4.139385	3.0725	1.920314	0.717572	-0.46352	-1.74711	-3.32258	-5.39712	-7.71661	-9.51865	-10.3487	-12.1618	-13.5909	-17.0871	-18.2406	-16.8248	-18.7007	-17.4815	-15.5756	-14.7191	-15.3431	-15.77	-17.3242	-20.4043	-17.6053	-16.1203	-18.399	-20.6164	-18.2252
135	8.6385438																																			