

Total Gain Data

[illegible]



Antenna Pattern 2.4GHz/5GHz

Appendix D

Θ(15°)	-4.38/-4.44	-5.12/-6.32	-6.43/-7.19	-8.30/-8.36	-8.65/-9.29	-8.83/-9.96	-10.51/-10.12	-11.81/-13.25	-14.17/-15.16	-14.62/-13.61	-11.59/-11.42	-10.35/-8.25	-6.33/-5.54	-4.88/-3.86	-3.06/-2.33	-2.12/-2.44	-2.81/-2.70	-2.67/-2.69	-2.67/-2.48	-2.43/-2.41	-2.71/-3.15	-3.20/-2.87	-3.23/-2.88	-2.85/-3.80
Θ(22.5°)	-3.47/-3.43	-4.90/-5.88	-6.27/-7.31	-7.30/-7.06	-8.83/-9.98	-9.37/-8.49	-8.80/-9.04	-10.98/-14.32	-14.22/-13.75	-14.44/-11.11	-7.87/-6.18	-5.72/-6.47	-7.62/-8.56	-9.36/-8.61	-7.62/-5.99	-4.21/-3.22	-2.22/-1.12	-0.80/-0.96	-1.14/-1.46	-1.38/-1.46	-2.84/-3.35	-2.93/-2.06	-2.11/-1.88	-2.16/-2.59
Θ(30°)	-1.19/-0.88	-2.69/-2.71	-3.33/-4.07	-4.02/-3.81	-3.63/-3.99	-4.76/-6.94	-3.61/-10.91	-14.94/-13.82	-11.45/-10.99	-9.28/-7.19	-5.57/-5.59	-5.54/-4.77	-4.31/-4.44	-4.00/-4.62	-3.74/-3.05	-2.94/-3.06	-2.99/-2.71	-2.52/-2.01	-1.96/-2.96	-3.84/-3.57	-2.84/-3.37	-3.21/-2.01	-0.85/-0.16	-0.71/-1.13
Θ(37.5°)	-1.12/-2.10	-1.25/-0.72	-1.82/-2.44	-2.10/-2.48	-4.36/-7.99	-6.80/-4.75	-6.33/-9.98	-10.96/-11.79	-11.22/-7.40	-8.13/-10.02	-8.93/-7.19	-6.56/-7.74	-9.38/-8.60	-6.34/-5.20	-4.88/-4.45	-3.45/-2.50	-2.51/-2.75	-4.15/-5.52	-4.30/-2.99	-4.26/-6.37	-4.34/-2.49	-0.670.51	1.110.30	-0.38/-0.84
Θ(45°)	0.880.35	-1.36/-2.74	-2.98/-3.45	-3.41/-3.91	-4.62/-5.69	-4.84/-2.49	-3.14/-6.63	-12.30/-10.88	-8.36/-11.46	-15.80/-12.49	-11.10/-8.67	-5.10/-4.41	-4.24/-3.38	-3.01/-4.27	-4.85/-4.15	-4.06/-6.65	-5.44/-1.86	-2.06/-3.52	-3.64/-3.03	-1.61/-1.46	-1.03/-0.39	-0.86/-1.67	-1.350.04	0.760.74
Θ(52.5°)	-0.30/-0.77	-0.72/-1.21	-4.29/-4.63	-2.88/-3.07	-3.33/-7.60	-5.96/-1.42	-4.51/-5.76	-7.96/-11.42	-9.41/-9.21	-6.87/-3.33	-5.99/-8.27	-6.63/-9.38	-9.43/-7.62	-4.72/-2.22	-1.57/-2.74	-5.78/-5.85	-1.98/-1.78	-2.51/-2.74	-3.53/-2.78	-2.14/-2.39	-3.01/-2.81	-3.22/-2.68	-2.38/-1.95	
Θ(60°)	2.112.70	1.68/-0.02	-2.18/-4.04	-2.61/-0.67	-1.39/-5.35	-10.12/-4.67	-3.02/-5.42	-4.74/-5.17	-8.93/-9.63	-6.70/-5.06	-3.88/-2.39	-3.05/-0.53	-2.67/-3.97	-4.98/-4.72	-2.24/-1.67	-1.77/-0.71	-2.01/-4.48	-3.76/-2.55	-2.18/-1.77	-1.67/-2.14	-1.37/-1.88	-3.16/-1.80	-0.46/-0.15	0.971.60
Θ(67.5°)	1.060.56	-0.040.40	-1.09/-4.93	-2.66/-2.30	-2.71/-3.95	-7.88/-4.62	-3.67/-5.11	-3.99/-8.80	-10.27/-5.73	-3.36/-1.69	-2.43/-4.36	-3.72/-5.07	-0.91/-1.99	-0.141.11	-1.79/-4.14	-0.09/-0.12	-0.79/-3.05	-1.95/-1.42	-3.16/-3.20	-5.94/-6.51	-5.51/-4.26	-3.33/-2.06	-0.40/-1.43	-2.64/-1.12
Θ(75°)	-3.37/-1.47	-0.90/-1.95	-3.49/-4.22	-3.45/-0.74	-1.36/-3.67	-5.31/-3.32	-2.88/-5.76	-5.96/-5.07	-7.94/-2.48	0.17/-1.35	-2.17/-5.39	-7.65/-3.59	-2.14/-2.59	-1.780.52	-1.24/-6.83	-3.08/-1.20	-0.88/-3.41	-3.14/-3.95	-4.22/-2.51	-3.71/-7.19	-4.59/-1.47	-1.07/-1.76	-1.53/-2.75	
Θ(82.5°)	-2.52/-1.54	-0.25/-2.22	-3.22/-5.13	-3.52/-2.99	-3.10/-4.26	-4.86/-3.76	-4.80/-4.26	-4.65/-6.11	-6.77/-1.71	-0.99/-1.89	-2.09/-10.73	8.06/-3.07	-1.49/-2.53	-3.66/-1.76	-1.35/-2.65	-3.83/-1.41	0.97/-0.20	-2.30/-3.31	-3.09/-2.85	-4.06/-10.72	-6.61/-6.42	-3.49/-2.24	0.130.61	0.91/-0.18
Θ(90°)	-3.56/-1.56	-1.36/-1.49	-4.94/-6.20	-0.95/-1.19	-0.06/-2.21	-2.59/-0.81	-1.94/-2.27	-5.44/-2.70	-3.24/-0.23	-2.00/-4.14	-2.94/-6.09	-6.69/-2.78	-0.21/-2.27	-1.80/-0.59	-1.20/-3.74	-3.82/-2.55	0.49/-0.05	-3.91/-2.98	-4.56/-3.98	-2.98/-6.61	-6.82/-8.64	-6.39/-2.57	-0.250.78	-1.47/-3.20
Θ(97.5°)	-4.04/-2.92	-2.56/-1.81	-3.89/-6.28	-0.99/-0.64	-2.30/-0.96	-2.61/-3.36	-1.80/-0.86	-4.51/-0.95	-5.29/-0.45	0.23/-9.73	-6.32/-7.67	-3.84/-2.11	-2.31/-9.00	-5.92/-3.84	-2.64/-0.36	0.06/-0.42	2.18/-1.29	-2.63/-1.23	-5.35/-4.00	-6.51/-6.86	-3.75/-1.45	0.080.89	-0.75/-1.34	
Θ(105°)	-2.62/-1.36	-2.87/-3.69	-2.28/-1.41	-0.64/-0.27	-2.38/-2.28	-5.51/-1.06	-5.60/-2.33	-3.96/-1.12	-3.66/-7.85	-3.67/-6.19	-7.30/-7.69	-3.780.70	-0.95/-4.20	-7.13/-6.25	-0.952.44	-0.04/-0.44	2.952.89	0.290.12	-0.69/-0.05	0.08/-0.24	0.33/-3.41	-5.37/-2.20	-0.29/-0.32	-0.77/-2.88
Θ(112.5°)	-2.18/-1.86	-0.12/-4.23	-5.26/-5.55	-3.94/-5.62	-0.32/-0.94	-1.790.33	-7.24/-2.31	-5.94/-2.78	-10.75/-9.27	-4.09/-10.42	-3.28/-0.88	-2.89/-1.55	-4.56/-15.44	-13.00/-3.61	1.181.89	3.371.42	0.312.69	-2.221.45	-0.41/-1.80	-0.87/-2.62	-6.10/-5.56	0.891.10	-0.250.23	
Θ(120°)	-1.48/-2.87	-7.11/-4.46	-4.74/-6.75	-2.39/-5.20	-1.66/-1.24	-4.89/-0.81	-6.72/-2.67	-3.37/-3.59	-5.04/-7.17	-6.96/-5.56	-6.50/-3.16	-1.47/-2.25	-2.60/-0.07	-0.83/-3.07	1.482.51	-3.100.44	1.963.52	2.191.68	2.28/-0.08	0.43/-3.08	-1.010.18	-3.38/-1.43	1.05/-1.20	
Θ(127.5°)	-1.140.35	-1.42/-1.80	-1.73/-3.20	-6.05/-6.07	-6.41/-4.65	-0.37/-4.16	-6.70/-5.24	-4.21/-5.70	-5.47/-14.31	-2.92/-2.24	-3.88/-3.06	-2.57/-0.02	0.40/-0.87	-3.17/-0.64	0.950.81	1.141.89	3.151.24	-1.680.90	1.330.16	1.350.35	-2.47/-4.78	-3.89/-1.16	-0.870.09	-0.63/-3.11
Θ(135°)	-1.20/-2.10	-0.66/-1.32	-3.33/-1.59	-4.40/-4.81	-2.93/-3.08	-3.46/-6.63	-10.75/-4.82	-4.21/-11.72	-4.08/-4.38	-8.61/-9.16	-5.48/-5.71	-2.94/-3.00	0.040.80	-2.790.94	1.53/-0.46	-0.09/-0.58	-0.66/-0.44	-4.02/-3.65	1.39/-0.78	-0.27/-0.49	-1.60/-4.51	-3.050.56	0.950.92	0.83/-1.43
Θ(142.5°)	-0.38/-1.45	-6.74/-5.28	-2.12/-2.18	-2.77/-1.87	-3.94/-6.69	-1.160.03	-6.10/-3.80	-1.32/-8.35	-4.84/-3.90	-6.37/-5.81	-0.971.89	3.521.10	-1.09/-0.57	1.862.01	-2.45/-0.47	3.272.86	1.98/-2.25	-2.79/-4.99	-0.540.65	-3.460.72	-3.460.72	3.331.26	-2.04/-2.04	
Θ(150°)	-2.000.10	-0.78/-4.86	-10.23/-12.10	-1.880.81	-1.48/-9.46	-10.66/-6.44	-8.55/-3.70	-3.75/-12.05	-11.95/-9.75	-11.69/-7.18	-3.00/-1.99	-2.28/-3.77	-4.67/-0.43	0.73/-4.14	-2.42/-3.18	2.113.58	2.05/-0.03	-0.50/-0.56	1.163.13	1.72/-3.04	-8.12/-5.51	-0.86/-1.53	3.123.61	1.78/-2.32
Θ(157.5°)	-1.52/-1.19	0.51/-2.3	1.44/-1.60	1.29/-0.46	-3.30/-6.01	-7.60/-5.52	-3.30/-3.44	-6.30/-4.87	-8.11/-7.55	-8.61/-10.75	-8.28/-4.75	-3.70/-4.00	-4.09/-4.10	-7.34/-13.25	-7.79/-2.80	1.742.71	0.94/-1.61	-2.85/-2.15	-2.30/-1.90	-0.41/-1.29	-5.84/-9.32	-4.94/-1.37	0.891.55	1.520.20
Θ(165°)	-6.81/-6.55	-6.23/-8.78	-7.10/-5.88	-5.76/-7.82	-9.90/-13.13	-8.64/-5.65	-4.85/-5.08	-4.01/-2.87	-2.01/-1.65	-2.08/-3.50	-5.47/-9.15	-11.90/-7.00	-4.21/-3.73	-2.62/-1.76	-0.880.20	0.680.14	-1.91/-4.61	-5.76/-4.11	-4.79/-5.85	-7.50/-7.81	-5.72/-4.27	-4.38/-4.94	-5.33/-5.28	
Θ(172.5°)	0.23/-0.47	-2.14/-3.20	-3.82/-4.79	-6.34/-8.73	-8.45/-6.78	-4.28/-3.38	-3.85/-5.07	-5.70/-5.79	-4.40/-2.19	-1.16/-0.40	-0.48/-0.65	-1.66/-3.01	-4.57/-6.01	-6.57/-6.08	-6.36/-7.12	-7.48/-7.13	-6.37/-7.05	-7.83/-8.24	-6.80/-6.02	-5.51/-4.50	-3.66/-2.50	-1.06/-0.25	1.292.74	2.691.25
Θ(180°)	1.971.47	0.890.14	-0.150.15	-0.12/-1.06	-2.16/-2.83	-2.96/-4.03	-6.00/-7.47	-6.26/-4.27	-2.68/-1.47	-0.66/-0.60	-0.64/-1.03	-1.21/-0.58	0.020.11	0.430.19	0.160.30	0.08/-0.84	-1.79/-1.97	-2.20/-2.20	-1.89/-1.06	-0.180.71	1.512.13	2.442.56	2.752.51	1.501.44
Freq(Hz)	2.45GPol.	TotalAnt.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Θ(0°)Φ(7.5°)	Θ(15°)Φ(22.5°)	Φ(30°)Φ(37.5°)	Φ(45°)Φ(52.5°)	Φ(60°)Φ(67.5°)	Φ(75°)Φ(82.5°)	Φ(90°)Φ(97.5°)	Φ(105°)Φ(112.5°)	Φ(120°)Φ(127.5°)	Φ(135°)Φ(142.5°)	Φ(150°)Φ(157.5°)	Φ(165°)Φ(172.5°)	Φ(180°)Φ(187.5°)	Φ(195°)Φ(202.5°)	Φ(210°)Φ(217.5°)	Φ(225°)Φ(232.5°)	Φ(240°)Φ(247.5°)	Φ(255°)Φ(262.5°)	Φ(270°)Φ(277.5°)	Φ(285°)Φ(292.5°)	Φ(300°)Φ(307.5°)	Φ(315°)Φ(322.5°)	Φ(330°)Φ(337.5°)	Φ(345°)Φ(352.5°)
Θ(0°)	-2.09/-2.27	-2.48/-2.68	-2.77/-2.82	-2.76/-2.60	-2.49/-2.45	-2.37/-2.32	-2.38/-2.46	-2.20/-2.05	-2.05/-2.14	-2.43/-2.56	-2.90/-3.26	-3.67/-4.00	-4.30/-4.56	-4.64/-4.45	-4.24/-3.95	-3.85/-3.81	-3.90/-4.06	-4.20/-4.17	-4.08/-3.92	-3.69/-3.39	-3.02/-3.81	-2.59/-2.44	-2.22/-1.96	-1.97/-1.95
Θ(7.5°)	-2.10/-2.23	-2.55/-2.82	-3.09/-3.34	-3.43/-3.43	-3.35/-3.25	-3.15/-3.06	-2.85/-2.75	-2.65/-2.74	-2.88/-2.90	-2.91/-2.95	-3.10/-3.32	-3.48/-3.67	-3.81/-3.84	-3.61/-3.23	-2.89/-3.05	-3.28/-3.57	-3.39/-3.14	-2.83/-2.52	-2.24/-2.09	-1.89/-1.90	-1.83/-1.80	-1.85/-1.98		
Θ(15°)	-2.38/-2.75	-3.18/-3.58	-3.94/-4.20	-4.23/-4.12	-3.95/-3.77	-3.54/-3.33	-2.88/-2.88	-2.68/-2.70	-2.95/-3.14	-3.26/-3.40	-3.63/-3.98	-4.30/-4.50	-4.41/-3.96	-3.18/-2.40	-1.82/-1.57	-1.55/-1.70	-1.96/-2.24	-2.34/-2.27	-2.02/-1.73	-1.49/-1.33	-1.16/-1.13	-1.14/-1.17	-1.25/-1.39	-1.60/-2.01
Θ(22.5°)	-1.90/-6.23	-3.39/-4.20	-4.95/-5.50	-5.43/-4.95	-4.36/-3.74	-3.21/-2.78	-2.40/-2.09	-1.95/-2.22	-2.66/-2.98	-3.22/-3.57	-4.04/-4.77	-5.61/-6.38	-6.60/-6.86	-4.46/-3.06	-1.96/-1.29	-0.91/-0.80	-0.85/-0.95	-0.97/-0.89	-0.70/-0.44	-0.23/-0.09	-0.10/-0.06	-0.11/-0.14	-0.32/-0.54	-0.80/-1.21
Θ(30°)	-1.07/-1.65	-2.29/-3.07	-4.18/-5.20	-5.43/-4.86	-3.99/-3.07	-2.31/-1.70	-1.25/-0.99	-0.93/-1.12	-1.83/-2.58	-3.15/-3.65	-4.10/-4.48	-5.01/-5.58	-6.29/-6.72	-6.21/-5.22	-3.76/-2.43	-1.40/-0.74	-0.31/-0.05	0.120.22	0.350.49	0.610.67	0.710.69	0.650.57	0.290.04	-0.16/-0.54
Θ(37.5°)	-0.09/-0.29	-0.80/-1.55	-2.61/-3.69	-4.14/-3.81	-2.96/-2.01	-1.11/-0.40	0.10/-0.32	0.23/-0.44	-2.19/-1.97	-2.61/-3.16	-3.66/-3.97	-4.25/-4.55	-4.87/-5.30	-5.74/-5.91	-5.40/-4.24	-2.84/-1.67	-0.710.04	0.570.96	1.241.36	1.411.35	1.271.20	1.110.89	0.560.32	0.710.08
Θ(45°)	0.330.36	0.07/-0.53	-1.17/-1.83	-2.31/-2.34	-1.94/-1.20	-0.360.36	0.841.04	0.960.61	-0.11/-0.74	-1.39/-2.05	-2.86/-3.74	-4.66/-5.35	-5.67/-5.78	-5.79/-5.77	-5.43/-4.64	-3.24/-2.11	-0.97/-0.01	0.791.30	1.762.09	2.242.18	1.911.64	1.391.16	0.840.42	0.240.30
Θ(52.5°)	0.710.91	0.870.65	0.25/-0.37	-1.19/-1.80	-1.89/-1.28	-0.210.82	1.632.16	2.312.07	1.630.91	-0.03/-1.15	-2.45/-4.15	-6.07/-7.68	-8.44/-8.39	-7.78/-7.15	-6.38/-5.63	-4.59/-3.49	-1.97/-0.52	0.711.64	2.302.79	3.123.23	3.012.53	2.021.69	1.381.03	0.830.72
Θ(60°)	1.611.75	1.671.38	0.850.11	-0.62/-1.20	-1.11/-0.23	1.062.22	3.083.48	3.402.78	1.730.40	-1.03/-2.43	-4.07/-6.03	-8.03/-9.33	-9.53/-9.81	-8.18/-7.74	-7.21/-6.70	-6.00/-4.87	-3.27/-1.48	0.121.40	2.262.82	3.233.55	3.573.24	2.662.13	1.751.58	1.611.61
Θ(67.5°)	1.811.90	1.681.39	1.180.96	0.690.36	0.300.78	1.762.71	3.303.31	2.721.75	0.61/-0.36	-1.00/-1.60	-2.61/-0.43	-6.10/-8.36	-8.97/-8.34	-7.29/-6.76	-6.23/-5.62	-5.04/-4.46	-3.53/-2.16	-0.590.97	2.212.95	3.343.54	3.613.46	3.092.49	1.851.50	1.541.72
Θ(75°)	1.631.72	1.591.33	1.140.90	0.580.25	0.240.90	2.032.97	3.443.36	2.902.34	1.791.31	0.820.12	-0.85/-2.13	-3.83/-5.91	-7.76/-8.21	-7.92/-7.05	-5.37/-3.62	-								



Antenna Pattern 2.4GHz/5GHz

Appendix D

Θ(67.5°)	3.16/1.98	0.640/3.8	1.24/1.84	1.87/1.65	1.040/1.5	-1.19/-1.92	-2.19/-3.07	-4.87/-5.73	-6.27/-3.84	-3.80/-4.92	-3.95/-3.83	-4.91/-7.36	-7.95/-9.71	-5.81/-4.32	-4.04/-4.75	-3.55/-1.67	-1.26/-1.34	-1.55/-1.76	-0.540/57	1.41/1.17	1.29/2.61	3.49/3.40	2.82/2.34	2.99/3.22
Θ(75°)	3.18/2.37	1.56/1.69	2.11/1.64	1.17/1.29	0.63/-0.28	-0.72/-0.95	-1.08/-1.99	-3.11/-5.51	-6.43/-2.45	-4.01/-7.04	-5.56/-5.22	-8.80/-7.39	-8.71/-9.21	-6.86/-4.94	-3.90/-5.08	-5.11/-3.35	-1.58/-2.19	-3.61/-3.94	-2.44/-0.45	0.570/68	1.73/3.08	3.61/3.67	2.31/2.48	3.24/3.52
Θ(82.5°)	2.63/1.01	0.50/1.11	1.06/1.12	-0.10/-0.57	-0.26/-0.84	-1.87/-2.20	-1.24/-0.4	-1.03/-4.98	-5.05/-3.06	-7.74/-7.31	-3.80/-4.98	-9.33/-7.43	-7.41/-8.18	-6.94/-6.51	-6.07/-5.39	-5.37/-2.32	-3.91/-1.61	-0.44/-1.50	1.84/3.61	4.17/3.19	1.69/1.23	2.71/2.84		
Θ(90°)	3.22/1.82	0.99/1.58	1.840/8.4	-0.110/4.0	-0.34/-1.11	-1.40/-0.78	0.060/3.6	-1.62/-1.89	-2.97/5.00	-9.70/-6.27	-5.36/-6.90	-12.21/9.25	-8.33/-6.35	-7.34/-7.10	-4.78/-4.58	-3.10/-3.28	-2.42/-1.72	-7.52/-8.83	-5.27/-1.33	-0.01/1.52	2.12/2.79	3.57/2.92	1.00/1.16	3.06/3.58
Θ(97.5°)	2.36/0.30	-0.44/-0.20	-0.17/-1.41	-3.46/-1.24	-1.16/-2.27	-1.98/-0.23	-0.80/-1.91	-0.27/0.99	-2.71/-1.73	-5.82/-2.88	-4.62/-11.64	-5.98/-6.92	-6.75/-12.76	-11.48/-8.97	-7.90/-7.03	-3.30/-3.06	-1.50/-1.32	-3.38/-8.64	-5.85/-2.54	-0.380/58	2.43/1.36	3.04/2.54	0.030/4.0	2.79/3.08
Θ(105°)	2.080/59	-0.54/-0.82	-0.61/-0.93	-1.84/-1.59	-0.93/-1.45	-0.790/2.0	-0.940/1.1	2.25/1.00	-5.04/-4.80	-4.58/-3.57	-3.16/-6.39	-3.09/-2.64	-5.18/-9.94	-12.25/-15.25	-11.23/-9.21	-1.56/1.25	-1.20/-4.04	-3.42/-11.07	-6.35/-4.10	0.33/1.14	1.56/1.25	1.33/1.56	-1.16/-0.30	1.53/2.33
Θ(112.5°)	1.27/0.33	-1.65/-1.52	-2.15/-3.82	-4.72/-1.47	-0.98/-2.03	-0.47/-0.48	0.15/1.09	0.44/-0.85	-2.55/-2.40	-1.08/-0.54	-1.19/-3.94	-2.37/-2.69	-5.34/-7.87	-6.05/-8.85	-8.17/-11.15	-4.07/-3.34	-3.38/-2.30	-6.99/-6.70	-7.24/-3.04	-0.12/-0.12	-0.03/-1.11	-1.04/-0.76	-2.86/-1.80	1.62/1.60
Θ(120°)	0.530/1.1	-2.89/-4.66	-6.64/-3.95	-3.32/-3.26	-1.18/-0.88	-1.44/-0.49	0.62/-0.37	-0.48/0.65	0.65/-0.86	-2.29/-1.63	-1.36/-3.08	-2.08/-5.38	-6.54/-4.20	-2.33/-5.54	-9.71/-10.72	-3.28/-4.26	-6.37/-2.72	-6.34/-6.16	-7.19/-5.79	-1.52/-3.87	-2.23/-6.14	-2.37/-3.15	-3.95/-3.14	0.250/7.5
Θ(127.5°)	-1.19/-1.39	-2.51/-4.10	-3.06/-2.06	-1.14/-1.67	-1.96/-0.79	0.40/-0.66	-2.98/-0.40	1.94/2.73	1.83/-0.83	-2.28/-0.74	-0.52/-2.50	-2.85/-2.33	-5.08/-4.46	-6.73/-8.14	-11.99/-11.42	-6.01/-5.44	-8.09/-7.71	-10.18/-8.51	-5.66/-6.60	-3.78/-3.39	-7.57/-5.58	-6.73/-5.26	-5.08/-4.10	-1.91/-0.60
Θ(135°)	-1.10/-2.38	-2.52/-2.04	-3.10/-4.11	-3.81/-3.60	-4.27/-5.24	-5.96/-3.02	-0.340/5.7	1.34/1.85	0.43/-3.20	-3.40/-2.19	-1.32/-0.34	1.07/-0.26	-4.99/-6.94	-6.80/-7.60	-9.27/-7.74	-10.24/-7.36	-6.26/-15.01	-8.74/-7.33	-6.40/-5.78	-8.05/-5.01	-11.64/-6.18	-4.25/-5.36	-11.52/-3.10	-2.17/-1.78
Θ(142.5°)	-2.97/-1.36	-2.53/-4.51	-3.86/-3.74	-1.49/-4.66	-5.99/-7.41	-4.72/-1.89	0.46/2.07	1.54/-0.82	-2.27/-3.06	-5.01/-4.36	-3.05/-3.44	-0.430/7.5	-4.00/-1.90	-3.10/-6.53	-4.77/-5.92	-11.54/-4.09	-6.24/-13.25	-9.45/-2.82	-7.75/-4.63	-4.47/-10.24	-12.85/-9.66	-5.29/-8.55	-9.22/-6.42	-3.18/-3.86
Θ(150°)	-5.56/-6.08	-4.28/-3.77	-4.48/-5.67	-6.56/-5.84	-3.74/-2.42	-1.74/-0.35	0.890/4.3	-2.98/-4.24	-3.50/-7.15	-1.46/-2.18	-5.97/-3.07	-1.46/-2.18	-0.79/-2.20	-4.45/-4.05	-7.95/-7.07	-9.65/-7.96	-8.55/-9.46	-9.78/-7.99	-5.41/-8.98	-5.95/-8.02	-12.68/-11.98	-10.38/-8.77	-10.09/-8.08	-5.36/-4.50
Θ(157.5°)	-6.17/-6.38	-6.94/-7.68	-7.50/-7.29	-8.08/-9.11	-7.76/-4.52	-1.27/-0.05	-0.71/-2.20	-2.56/-2.52	-4.51/-5.71	-5.07/-5.25	-6.45/-9.72	-10.29/-4.63	-3.94/-6.49	-8.69/-11.68	-12.05/-8.60	-10.21/-11.38	-11.31/-14.19	-14.29/-14.26	-13.03/-14.58	-13.39/-12.46	-15.43/-12.80	-10.32/-11.51	-12.15/-8.81	-6.89/-6.54
Θ(165°)	-12.45/-13.22	-11.11/-9.45	-8.06/-6.97	-5.10/-3.62	-3.06/-2.73	-2.28/-1.92	-1.89/-1.89	-2.66/-4.49	-7.77/-10.31	-10.76/-11.70	-11.17/-11.70	-11.29/-9.87	-9.65/-10.28	-11.59/-12.12	-11.36/-11.95	-11.81/-9.78	-7.79/-8.66	-11.56/-11.63	-9.95/-10.91	-14.21/-15.62	-13.67/-13.63	-15.27/-13.63	-11.74/-12.05	-11.70/-11.85
Θ(172.5°)	-9.81/-9.32	-9.19/-8.36	-7.79/-7.18	-6.04/-5.11	-4.30/-3.75	-3.47/-3.52	-3.99/-5.00	-7.34/-11.59	-16.77/-16.38	-14.53/-10.83	-8.48/-6.89	-6.32/-6.66	-7.46/-7.10	-6.54/-6.11	-6.36/-6.32	-6.23/-6.80	-8.78/-8.70	-9.51/-10.63	-9.61/-7.91	-8.14/-7.56	-6.04/-7.71	-8.14/-7.56	-7.75/-8.82	
Θ(180°)	-5.25/-5.12	-4.61/-4.92	-5.20/-4.94	-4.47/-4.70	-5.43/-6.55	-7.87/-8.48	-9.27/-10.15	-11.41/-11.96	-12.52/-12.28	-11.77/-11.04	-11.41/-12.32	-15.17/-14.49	-11.69/-9.74	-10.05/-10.46	-9.54/-8.47	-8.86/-7.83	-7.58/-6.97	-6.22/-6.10	-6.78/-7.59	-7.74/-6.77	-6.19/-5.76	-4.79/-4.23	-3.99/-3.77	-3.70/-4.45
Freq(Hz)	5.785GPol.	TotalAnt.2	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
Gain	Φ(0°)Φ(7.5°)	Φ(15°)Φ(22.5°)	Φ(30°)Φ(37.5°)	Φ(45°)Φ(52.5°)	Φ(60°)Φ(67.5°)	Φ(75°)Φ(82.5°)	Φ(90°)Φ(97.5°)	Φ(105°)Φ(112.5°)	Φ(120°)Φ(127.5°)	Φ(135°)Φ(142.5°)	Φ(150°)Φ(157.5°)	Φ(165°)Φ(172.5°)	Φ(180°)Φ(187.5°)	Φ(195°)Φ(202.5°)	Φ(210°)Φ(217.5°)	Φ(225°)Φ(232.5°)	Φ(240°)Φ(247.5°)	Φ(255°)Φ(262.5°)	Φ(270°)Φ(277.5°)	Φ(285°)Φ(292.5°)	Φ(300°)Φ(307.5°)	Φ(315°)Φ(322.5°)	Φ(330°)Φ(337.5°)	Φ(345°)Φ(352.5°)
Θ(0°)	0.610/86	1.191/30	1.671/95	2.061/84	1.561/82	2.26/2.46	2.42/2.39	2.19/2.02	1.88/1.84	1.34/1.02	0.480/2.6	0.420/5.0	0.370/2.0	0.240/4.2	0.450/3.0	0.300/7.4	1.061/0.6	1.171/4.2	1.421/6.5	1.781/9.3	1.811/69	1.541/55	1.431/1.2	1.261/3.7
Θ(7.5°)	-0.08/0.89	-0.52/-0.28	-0.38/-0.30	-0.25/-0.24	-0.35/0.35	0.840/99	0.470/4.1	0.67/0.92	0.951/2.7	1.070/9.7	0.970/69	0.731/1.3	1.461/5.2	1.421/55	1.801/9.2	1.862/2.7	2.412/4.4	2.582/69	2.612/68	2.552/2.3	1.641/57	1.561/5.3	1.410/9.4	0.690/5.0
Θ(15°)	0.91/53	0.91/53	1.00/8.8	0.620/4.3	0.650/5.8	0.670/8.3	1.081/2.9	1.191/0.8	0.91/2.5	1.000/69	0.430/2.4	0.120/3.6	0.680/8.0	1.041/2.2	1.72/2.23	2.52/6.3	2.63/5.2	2.502/3.5	2.081/69	1.511/50	1.501/5.4	1.331/2.2	1.021/0.5	
Θ(22.5°)	0.800/62	0.500/2.2	0.110/4.9	0.500/4.6	0.370/0.8	-0.24/-0.02	0.630/6.5	0.400/1.9	0.350/7.3	0.03/-0.30	-0.61/-0.83	-1.62/-1.64	-0.99/-0.31	0.030/0.8	0.330/7.5	1.201/5.7	1.89/2.04	2.01/1.83	1.491/5.1	1.511/6.5	1.621/4.0	1.360/9.1	0.831/0.3	1.141/0.7
Θ(30°)	0.10/-0.45	-0.89/-0.64	-0.250/0.7	0.64/0.4	1.040/4.8	-0.51/-0.21	-0.10/-0.21	-0.010/7.6	1.010/53	-0.23/-1.44	-0.45/-3.67	-2.31/-2.22	-0.210/0.8	0.840/5.3	-0.50/-1.48	-2.31/-1.92	-0.95/-0.40	-0.230/1.2	0.791/7.0	2.412/69	2.73/2.47	2.001/4.6	1.340/8.9	
Θ(37.5°)	1.490/49	-0.390/0.71	-0.190/5.0	-0.170/-0.34	-0.26/-0.10	-0.48/-1.09	-1.65/-1.72	-0.780/1.2	0.340/2.9	-1.48/-2.67	-3.31/-2.90	-1.28/-3.93	-1.28/-3.95	0.200/0.8	-0.40/-4.96	-5.67/-9.45	-2.32/-0.60	-0.080/9.3	1.431/98	2.152/30	2.56/2.22	1.901/9.5		
Θ(45°)	1.370/64	0.03/-0.01	0.12/-0.09	0.63/1.42	1.56/1.00	-0.35/-0.98	-1.65/-1.66	-1.25/-1.28	-1.15/-1.46	-1.93/-2.62	-3.57/-2.94	-1.73/-1.23	-0.88/-0.89	-0.81/-0.54	-0.54/-1.61	-2.54/-3.32	-4.21/-4.01	-4.44/-5.08	-5.18/-4.90	-1.250/6.0	1.27/2.24	2.37/2.30	2.31/2.20	1.941/8.0
Θ(52.5°)	1.311/0.1	0.30/-0.02	-0.42/-0.60	0.18/-0.09	-0.20/-0.22	-0.86/-2.32	-2.85/-4.04	-5.64/-3.88	-3.23/-3.83	-3.79/-4.74	-4.93/-3.01	-1.36/-1.27	-1.85/-2.78	-1.98/-1.08	-0.95/-1.49	-3.00/-3.70	-3.84/-4.47	-4.32/-3.26	-4.43/-4.91	-3.13/-2.22	0.481/69	2.01/2.26	2.412/0.6	1.791/7.9
Θ(60°)	1.110/57	-0.11/-0.46	-0.07/0.02	0.16/-0.44	0.250/2.2	-1.61/-2.06	-1.74/-2.31	-2.35/-4.12	-7.12/-3.82	-2.93/-3.79	-3.77/-2.85	-2.62/-2.75	-3.73/-3.74	-2.82/-1.79	-1.41/-1.69	-2.78/-3.63	-3.50/-3.76	-3.64/-1.93	-1.60/-1.26	-2.06/-1.93	0.021/68	2.171/7.5	2.031/9.3	2.031/9.3
Θ(67.5°)	1.630/51	0.510/6.5	1.54/2.01	0.58/-0.88	-0.080/2.1	-2.20/-2.44	-1.29/-0.17	-1.63/-5.05	-7.58/-4.73	-3.91/-5.08	-5.78/-4.55	-3.55/-4.92	-5.81/-6.19	-4.16/-2.31	-3.97/-4.11	-5.10/-4.23	-1.26/-2.52	-5.67/-7.25	-9.00/-4.96	-2.13/-0.90	1.22/2.81	2.670/7.3	0.271/9.8	3.41/2.25
Θ(75°)	2.721/0.5	1.031/4.4	1.841/4.8	0.78/-0.25	-0.04/-0.13	-0.93/-2.71	-2.41/-6.09	-1.69/-3.98	-7.57/-7.40	-4.62/-6.93	-9.83/-5.89	-6.02/-6.37	-7.09/-6.57	-5.13/-4.83	-4.14/-4.59	-4.11/-1.96	-1.71/-4.52	-5.91/-7.04	-4.98/-3.71	-2.21/-0.48	0.362/4.5	3.071/4.5	1.72/2.54	3.69/3.53
Θ(82.5°)	2.940/93	0.511/0.8	1.660/0.3	-1.43/-1.12	-1.78/-1.02	-1.16/-1.23	-0.47/-1.14	-1.29/-2.54	-6.00/-5.21	-4.93/-9.81	-9.77/-1.80	-9.50/-11.98	-9.06/-7.99	-5.29/-3.40	-4.74/-5.30	-4.82/-2.45	-1.75/-2.21	-5.73/-6.43	-4.90/-3.06	-1.600/3.4	1.132/7.1	2.041/2.6	0.76/2.47	3.704.01
Θ(90°)	2.500/73	0.470/8.4	0.730/4.9	1.01/-0.62	-1.350/0.2	-0.66/-2.13	-2.74/-1.49	-0.83/-2.56	-3.34/-6.11	-8.66/-9.27	-5.47/-5.84	-12.63/-13.82	-9.49/-6.76	-7.62/-6.61	-3.97/-4.11	-5.10/-4.23	-1.26/-2.52	-5.67/-7.25	-9.00/-4.96	-2.13/-0.90	1.22/2.81	2.670/7.3	0.271/9.8	3.41/2.25
Θ(97.5°)	2.120/38	-0.240/2.5	0.58/-0.48	-2.88/-3.37	-3.42/-2.58	-2.15/-1.21	-0.62/-2.73	-3.21/-2.76	-2.73/-8.19	-10.66/-6.97	-5.73/-8.09	-16.34/-10.99	-8.08/-10.92	-11.81/-8.45	-6.29/-5.04	-3.00/-3.18	-1.51/-0.79	-2.92/-9.19	-6.14/-4.87	-1.22/-0.09	1.14/2.02	2.186/9.0	-0.091/8.6	3.23/0.7
Θ(105°)	1.11/-0.43	-0.88/-1.32	-1.98/-2.41	-2.22/-1.19	-1.02/-0.43	-0.51/-0.43	0.301/0.9	1.68/-5.87	-6.19/-5.04	-3.22/-4.50	-4.66/-10.2	-13.07/-11.45	-11.13/-9.38	-3.67/-2.72	-0.58/-0.34	-3.58/-6.90	-9.53/-3.20	-1.340/1.1	-0.341/0.5	1.800/4.1	-0.880/9.1	2.51/2.07		
Θ(112.5°)	1.29/-0.36	-1.23/-1.78	-2.27/-1.72	-1.27/-2.14	-3.05/-2.36	-0.99/-1.87	-4.89/-0.04	0.50/-0.14	-3.11/-5.91	-4.91/-3.07	-2.82/-6.25	-5.00/-4.68	-4.97/-9.30	-8.01/-11.50	-9.51/-9.78	-2.96/-2.02	-3.54/-7.25	-9.51/-4.75	-8.59/-4.00	-2.12/-1.26	-0.54/-1.79	-1.02/-1.35	-1.80/-0.16	2.321/8.6
Θ(120°)	0.63/-0.90	-2.70/-2.80	-2.74/-1.45	-2.06/-3.20	-2.38/-2.14	-3.90/-4.36	-1.43/-1.78	-3.95/-4.28	-9.970.12	-1.13/-2.80	-4.29/-5.92	-3.30/-3.86	-6.58/-6.48	-4.55/-5.64	-7.00/-6.20	-3.52/-6.24	-8.18/-4.68	-7.38/-6.23	-8.70/-6.88	-4.34/-5.64	-4.54/-4.18	-2.87/-2.63	-3.14/-1.42	1.310/9.3
Θ(127.5°)	-2.23/-1.45	-2.99/-2.93	-																					



Antenna Pattern 2.4GHz/5GHz

Appendix D

Θ(112.5°)	-7.30/-7.89	-3.06/-5.14	-5.69/-1.58	0.30/-3.38	-0.61/-2.62	-2.59/-3.36	-4.06/-3.82	-4.78/-3.68	-3.53/-0.69	0.30/-0.98	0.08/0.36	-0.03/0.57	-2.09/-0.87	-3.72/-2.72	0.17/-0.12	-1.05/0.78	1.11/-1.45	1.73/-1.82	1.04/0.12	-1.84/-3.00	-4.97/-5.51	-5.14/-7.66	-8.43/-11.19	-5.03/-3.57
Θ(120°)	-6.29/-5.52	-1.95/-7.09	-5.05/-2.32	-1.16/-5.89	-0.82/-1.57	-3.51/-2.39	-2.27/-1.82	-4.53/-1.68	-1.28/-0.43	-0.44/-0.95	-0.56/-1.74	-1.22/-0.87	-1.61/-1.11	-2.87/-1.58	-1.68/-0.25	-0.78/-2.66	-1.13/-2.13	1.01/2.04	-1.30/-1.27	-4.64/-8.67	-6.39/-6.30	-6.69/-4.69	-8.79/-6.70	-7.85/-6.07
Θ(127.5°)	-8.29/-4.71	-3.54/-5.89	-4.76/-3.91	-1.88/-3.30	-2.57/-2.69	-3.78/-1.98	-1.36/-0.86	-2.80/-3.25	-0.14/0.64	0.36/1.05	-0.50/-0.90	0.47/-1.01	-0.35/-0.88	-1.31/-1.07	-0.87/-1.78	-0.57/-2.07	-3.81/-1.85	0.60/-2.96	-1.32/-2.38	-11.51/-11.62	-7.48/-6.09	-12.95/-12.16	-13.04/-12.34	-5.99/-7.37
Θ(135°)	-10.61/-15.24	-9.35/-6.61	-7.34/-6.01	-3.72/-3.28	-3.67/-3.66	-3.47/-2.66	-1.28/-1.64	-1.25/-0.90	-3.20/-3.78	-1.67/-0.53	-0.79/-1.49	-3.37/-3.31	-3.26/-1.80	-0.54/-4.51	-6.00/0.78	-0.20/-3.31	-13.47/-2.35	-3.99/-2.40	-2.27/-2.45	-7.45/-10.85	-11.33/-5.56	-12.26/-9.20	-11.33/-12.51	-6.46/-4.17
Θ(142.5°)	-11.77/-13.54	-6.98/-5.94	-6.78/-4.76	-4.06/-4.87	-4.27/-1.91	-1.13/-1.64	-0.83/-0.32	-0.45/0.21	-0.01/-2.04	-4.53/-5.75	-6.27/-5.60	-3.15/-3.97	-5.41/-3.11	-3.98/-4.96	0.09/0.88	0.05/-4.23	-7.03/-9.39	-4.69/-1.71	-4.02/-3.54	-9.34/-13.79	-7.25/-1.89	-4.22/-9.87	-10.02/-7.25	-10.57/-10.96
Θ(150°)	-8.50/-6.84	-6.00/-6.06	-8.10/-5.69	-2.41/-1.41	-2.19/-2.72	-1.91/-2.18	-2.47/-1.69	-1.38/-2.08	-2.89/-3.09	-4.48/-6.07	-5.39/-4.25	-4.94/-7.65	-4.87/-4.55	-6.49/-5.60	-3.91/-4.47	-8.17/-10.45	-6.52/-4.30	-1.28/-1.93	-3.55/-4.34	-7.83/-8.66	-4.71/-4.78	-10.30/-13.77	-9.96/-11.62	
Θ(157.5°)	-9.55/-8.94	-7.98/-7.91	-7.66/-5.86	-4.02/-2.89	-3.21/-3.57	-1.66/-0.63	-1.15/-1.99	-2.19/-2.39	-2.85/-3.45	-3.64/-3.57	-4.48/-5.79	-4.93/-2.87	-2.45/-4.42	-7.58/-6.06	-3.19/-2.60	-4.33/-7.77	-13.33/-12.08	-8.68/-7.35	-6.74/-5.31	-5.48/-6.94	-6.36/-5.41	-6.31/-7.92	-10.07/-13.63	-8.87/-8.26
Θ(165°)	-7.21/-8.39	-10.13/-12.57	-10.69/-6.34	-4.76/-4.26	-4.07/-3.49	-4.55/-3.89	-3.77/-4.08	-4.75/-4.96	-5.58/-6.69	-8.30/-10.62	-12.74/-11.26	-7.76/-5.32	-4.08/-4.17	-5.26/-6.75	-8.93/-11.49	-12.87/-11.37	-9.48/-8.18	-8.18/-7.83	-6.60/-6.10	-6.16/-6.43	-6.55/-8.03	-11.32/-13.38	-11.39/-10.70	-7.17/-5.88
Θ(172.5°)	-8.30/-8.72	-7.56/-7.26	-6.90/-6.51	-6.88/-6.61	-10.05/-11.68	-14.07/-15.12	-13.21/-11.23	-9.97/-9.14	-8.73/-8.12	-7.54/-7.12	-7.17/-6.56	-5.87/-5.06	-4.23/-3.76	-3.95/-4.12	-4.53/-5.26	-5.73/-6.17	-7.16/-8.97	-10.77/-11.49	-11.75/-12.65	-13.87/-11.91	-10.52/-10.71	-10.40/-8.45	-7.36/-7.77	-6.62/-6.24
Θ(180°)	-6.38/-6.05	-4.52/-3.41	-3.05/-2.98	-3.16/-3.38	-3.80/-4.46	-4.81/-5.69	-6.50/-6.05	-5.31/-4.99	-5.21/-5.58	-5.59/-5.09	-5.04/-5.21	-5.28/-5.07	-5.14/-5.47	-6.14/-6.53	-6.05/-4.81	-4.32/-4.32	-4.69/-5.88	-7.78/-9.82	-10.11/-9.65	-9.50/-8.80	-7.51/-6.36	-5.93/-6.04	-7.00/-6.93	-5.44/-5.21
Freq(Hz)	5.6G/Pol.	TotalAnt.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)Φ(7.5°)	Φ(15°)Φ(22.5°)	Φ(30°)Φ(37.5°)	Φ(45°)Φ(52.5°)	Φ(60°)Φ(67.5°)	Φ(75°)Φ(82.5°)	Φ(90°)Φ(97.5°)	Φ(105°)Φ(112.5°)	Φ(120°)Φ(127.5°)	Φ(135°)Φ(142.5°)	Φ(150°)Φ(157.5°)	Φ(165°)Φ(172.5°)	Φ(180°)Φ(187.5°)	Φ(195°)Φ(202.5°)	Φ(210°)Φ(217.5°)	Φ(225°)Φ(232.5°)	Φ(240°)Φ(247.5°)	Φ(255°)Φ(262.5°)	Φ(270°)Φ(277.5°)	Φ(285°)Φ(292.5°)	Φ(300°)Φ(307.5°)	Φ(315°)Φ(322.5°)	Φ(330°)Φ(337.5°)	Φ(345°)Φ(352.5°)
Θ(0°)	0.30/-0.11	-0.43/-0.37	-0.28/-0.33	-0.38/-0.41	-0.36/-0.41	-0.36/-0.24	-0.15/-0.17	-0.35/-0.65	-0.50/-0.15	-0.41/-0.55	-0.42/-0.28	-0.02/0.24	0.05/-0.27	-0.38/-0.16	0.02/0.24	0.36/0.33	0.19/0.21	0.42/0.68	1.07/1.11	1.13/1.08	0.72/0.18	0.49/1.08	0.91/-0.04	-0.09/0.67
Θ(7.5°)	0.09/0.05	-0.53/-0.91	-0.95/-8.03	-0.69/-0.47	-0.27/-0.05	0.12/-0.20	0.47/0.63	0.64/0.53	0.80/0.78	0.68/0.93	0.95/0.03	-0.21/-0.44	0.64/-0.12	-1.10/-0.61	-0.03/0.11	-0.71/-0.72	-0.45/-0.28	0.27/0.51	0.54/0.69	0.73/0.56	0.23/0.07	0.39/0.65	0.52/-0.10	-0.52/-0.07
Θ(15°)	1.58/1.85	2.18/2.03	1.57/1.17	1.24/1.28	1.03/0.93	1.05/1.02	0.92/0.85	0.99/0.95	1.05/1.00	0.52/0.37	0.47/0.40	-0.11/-0.83	-1.27/-1.23	-1.73/-2.33	-2.32/-1.89	-1.84/-1.62	-1.03/-0.43	0.17/0.15	0.20/0.38	0.065/0.90	1.04/1.64	2.17/2.04	1.21/1.12	
Θ(22.5°)	0.70/0.82	0.91/0.43	0.47/0.22	0.32/0.67	0.88/1.02	0.84/0.54	-0.37/-0.51	-0.14/0.36	1.01/1.10	0.73/0.65	0.71/0.60	0.47/0.10	-0.74/-1.71	-2.52/-3.41	-4.11/-4.74	-4.49/-3.17	-2.10/-1.25	-0.68/-0.33	-0.54/-0.67	-0.82/-0.20	0.90/1.68	1.86/1.81	2.02/2.45	1.79/1.10
Θ(30°)	0.12/0.72	1.40/1.60	1.39/0.90	0.16/0.03	0.79/1.75	2.08/1.71	0.90/0.66	0.82/1.18	1.12/1.04	1.30/1.85	2.19/2.14	1.86/1.35	0.79/-0.11	-1.25/-2.93	-3.71/-4.25	-3.52/-2.04	-1.11/-0.69	-0.74/-1.23	-2.33/-2.76	-1.67/-0.16	0.66/0.48	-0.02/-0.31	-0.15/0.49	0.47/0.10
Θ(37.5°)	-1.03/-1.08	0.25/0.49	-0.05/-0.41	-0.41/-0.36	-0.02/0.06	0.00/0.40	0.08/-0.57	-0.47/-0.02	0.33/1.31	1.86/2.67	3.03/3.27	3.34/4.42	1.42/0.07	-1.87/-3.24	-3.35/-3.30	-3.86/-3.44	-5.48/-4.16	-3.71/-2.73	-2.17/-2.29	-1.35/-0.45	-0.44/-0.49	0.71/0.18		
Θ(45°)	-1.69/-0.70	-0.83/-0.51	-0.25/0.05	-0.64/-2.31	-2.56/-0.30	1.22/0.69	-0.05/0.35	0.58/0.24	1.18/2.25	2.75/2.95	3.15/3.45	3.85/3.70	2.91/1.33	0.83/-0.51	-1.48/-2.30	-2.57/-3.34	-3.00/-3.00	-4.13/-5.14	-9.02/-8.27	-6.69/-6.23	-5.75/-4.05	-2.12/-1.17	-0.87/-1.17	-2.55/-2.60
Θ(52.5°)	-3.78/-2.03	-0.83/-0.57	-0.80/-1.39	-2.13/-3.20	-4.53/-3.10	-0.46/0.23	-0.17/0.27	0.16/-0.48	0.77/2.59	2.66/3.10	3.78/4.50	4.72/4.33	3.70/3.26	2.51/-0.12	0.71/1.10	-0.76/-3.25	-4.29/-5.03	-6.87/-8.25	-6.51/-7.44	-5.25/-3.49	-6.72/-9.07	-6.87/-5.55	-4.31/-3.39	-3.72/-4.12
Θ(60°)	-3.52/-2.11	-0.27/0.45	0.09/-1.78	-3.53/-4.49	-4.01/-2.27	-0.33/0.25	-0.46/-0.72	-0.11/0.44	0.47/1.88	2.85/3.55	4.22/4.64	3.51/3.08	2.59/1.63	0.95/0.52	0.37/-3.24	-3.15/-3.48	-3.63/-4.01	-1.99/-1.10	-1.83/-2.70	-7.07/-13.19	-10.51/-9.15	-9.21/-6.40	-3.68/-3.25	
Θ(67.5°)	-5.16/-4.96	-0.88/-0.32	-0.72/-1.70	-2.37/-3.94	-4.08/-3.06	-1.10/-0.81	-0.47/-1.36	-2.18/-0.55	0.57/1.27	1.59/2.91	3.93/4.46	4.41/3.87	3.34/2.90	2.64/2.65	1.98/1.06	0.15/-2.24	-2.44/-1.63	-1.32/-1.94	0.23/0.76	-0.18/-3.29	-8.19/-8.75	-8.77/-6.51	-8.04/-6.80	-4.24/-4.00
Θ(75°)	-6.56/-4.38	-2.14/-1.02	-0.45/-0.25	-0.86/-0.56	-0.94/-2.49	-2.44/-1.75	-1.13/-2.52	-2.00/-2.75	-1.00/0.15	1.14/-2.42	3.01/3.38	3.66/3.14	2.93/2.81	2.79/2.68	2.01/1.37	0.72/-2.67	-1.03/-0.05	-1.99/-0.94	0.78/1.21	-0.12/-4.08	-8.96/-10.20	-12.44/-8.76	-6.21/-6.17	-6.07/-5.68
Θ(82.5°)	-2.90/-2.84	-2.93/-1.07	-0.79/-0.74	-1.76/0.17	-0.70/-3.52	-1.17/-3.58	-2.74/-4.51	-3.15/-2.31	-1.02/0.03	2.81/2.81	3.51/2.55	2.82/2.19	2.63/2.27	0.94/0.85	0.17/-0.78	0.40/0.71	0.32/0.21	1.32/0.20	-1.56/-6.72	-9.65/-7.29	-5.83/-8.35	-5.11/-2.54		
Θ(90°)	-4.11/-3.30	-3.63/-2.88	-3.04/-0.86	-0.14/-0.02	-0.03/-1.68	-3.09/-4.88	-2.82/-2.98	-2.35/-6.53	-5.19/-2.02	-0.15/-1.44	2.38/3.55	4.33/3.35	2.81/0.79	1.72/0.96	-0.09/1.08	1.47/-0.41	0.81/0.38	1.22/1.11	0.72/-0.86	-1.75/-6.90	-9.60/-9.66	-6.39/-5.26	-5.81/-9.69	-3.29/-0.94
Θ(97.5°)	-6.21/-3.79	-2.91/-3.15	-5.67/-1.28	-2.11/-0.39	-0.60/-3.20	-4.71/-4.98	-3.65/-3.83	-2.16/-4.95	-3.36/-3.45	-2.12/0.55	0.97/2.39	3.00/3.22	2.83/1.58	1.59/0.57	0.57/1.21	1.59/0.60	1.12/1.99	3.42/0.87	0.60/-0.94	-2.60/-6.76	-4.22/-5.26	-4.89/-2.46	-4.96/-12.52	-3.03/-0.37
Θ(105°)	-6.32/-7.29	-3.43/-3.71	-7.11/1.00	-0.51/-0.31	-1.34/-7.01	-4.70/-4.54	-2.43/-5.93	-2.69/-0.58	-0.03/1.06	1.71/2.18	1.99/1.80	1.29/0.31	0.22/-0.28	-0.01/1.33	1.21/-0.20	1.92/3.03	2.97/1.48	2.26/-1.38	-1.83/-4.11	-4.26/-3.45	-2.58/-1.00	-5.80/-10.34	-3.89/-2.33	
Θ(112.5°)	-7.75/-3.03	-3.55/-6.96	-5.40/0.34	-2.35/0.87	-0.62/-1.94	-1.68/-3.23	-3.46/-4.81	-4.20/-5.36	-2.53/-2.70	-1.12/1.54	1.95/2.14	1.63/1.84	0.77/-1.65	-0.62/-1.31	-0.42/-0.60	0.00/-1.43	0.58/1.78	2.38/0.66	0.54/-0.34	-1.46/-4.60	-4.28/-6.04	-3.78/-1.66	-4.33/-13.91	-6.89/-6.33
Θ(120°)	-7.36/-3.28	-6.03/-6.70	-4.62/-3.64	-2.56/-0.66	-0.21/-1.45	-0.33/-1.06	-1.23/-3.81	-2.16/-4.04	-3.83/-1.52	-2.51/-1.95	-0.13/0.25	-1.14/-1.20	-2.62/-1.81	-2.36/-3.54	-3.93/-1.79	-0.91/-1.68	-0.90/-1.14	-0.57/0.72	-0.79/-2.96	-3.53/-5.76	-4.37/-6.92	-6.08/-3.98	-6.89/-6.92	-8.53/-6.12
Θ(127.5°)	-12.65/-4.59	-5.10/-5.10	-4.44/-1.04	-0.66/-1.19	-1.34/-2.59	-0.74/-0.34	-1.24/-2.29	-2.03/-2.54	-2.08/0.26	-0.45/-0.52	0.73/1.08	0.90/-0.51	-0.70/-0.89	-2.53/-2.57	-1.77/-1.42	-3.14/-1.41	-2.38/-5.00	-0.65/-1.35	-3.49/-3.43	-6.61/-11.26	-9.05/-8.01	-13.97/-14.38	-12.10/-12.90	-9.99/-12.70
Θ(135°)	-9.39/-16.55	-11.06/-9.38	-7.48/-3.72	-2.05/-1.48	-1.31/-0.63	-0.94/0.23	-0.60/-1.48	-0.76/-3.39	-4.03/-0.83	-0.03/-0.12	0.20/1.24	0.83/0.96	-0.30/-2.73	-0.72/-2.02	-4.37/-1.16	-0.28/-2.94	-7.20/-9.75	-4.18/-5.57	-5.09/-4.20	-6.20/-11.39	-10.01/-6.96	-12.73/-6.67	-9.92/-8.53	-4.93/-5.55
Θ(142.5°)	-11.85/-8.87	-4.13/-5.30	-6.33/-4.68	-4.32/-3.55	-1.71/-0.74	-0.80/-1.29	-0.55/-0.17	0.23/0.71	-3.78/-4.51	-2.52/-0.60	-0.05/-0.90	-0.52/-0.36	-2.69/-4.76	-0.93/-2.84	-1.36/-0.32	-1.63/-1.52	-6.99/-3.65	-5.09/-3.81	-4.85/-7.09	-12.01/-13.40	-12.03/-4.02	-4.27/-13.72	-7.48/-5.60	-11.00/-9.87
Θ(150°)	-6.87/-5.78	-4.78/-7.38	-10.74/-6.75	-4.37/-2.83	-2.74/-1.46	-0.60/-1.25	-2.17/-2.30	-2.76/-3.22	-2.72/-2.24	-1.82/-2.58	-3.72/-3.22	-3.14/-4.96	-5.22/-3.24	-3.50/-4.74	-2.86/-1.62	-2.94/-7.71	-11.81/-6.61	-2.47/-1.75	-3.47/-4.65	-7.65/-10.92	-8.77/-5.23	-4.90/-4.85	-16.97/-10.77	-11.94/-9.45
Θ(157.5°)	-9.57/-8.36	-6.94/-9.04	-6.97/-5.28	-3.86/-2.85	-2.63/-1.94	-0.50/-0.23	-1.10/-1.31	-0.80/-1.31	-1.93/-2.31	-2.92/-2.55	-2.22/-2.55	-3.54/-3.77	-3.31/-3.97	-5.41/-5.85	-4.95/-4.04	-5.18/-8.36	-13.88/-10.79	-9.22/-10.10	-10.62/-11.33	-10.53/-11.72	-9.01/-5.72	-7.00/-11.62	-13.16/-13.33	-15.62/-13.31
Θ(165°)	-11.73/-16.17	-15.62/-10.46	-7.45/-6.01	-4.97/-4.14	-3.75/-3.46	-2.80/-2.16	-2.37/-2.84	-3.70/-4.39	-4.61/-4.84	-5.50/-6.23	-7.16/-7.87	-6.28/-4.25	-3.17/-2.84	-3.43/-4.46	-6.11/-7.78	-9.48/-9.93	-8.58/-7.74	-8.17/-9.95	-7.65/-6.98	-6.17/-5.53	-5.12/-6.21	-9.68/-15.15	-12.85/-11.43	-10.29/-10.03
Θ(172.5°)	-9.87/-11																							

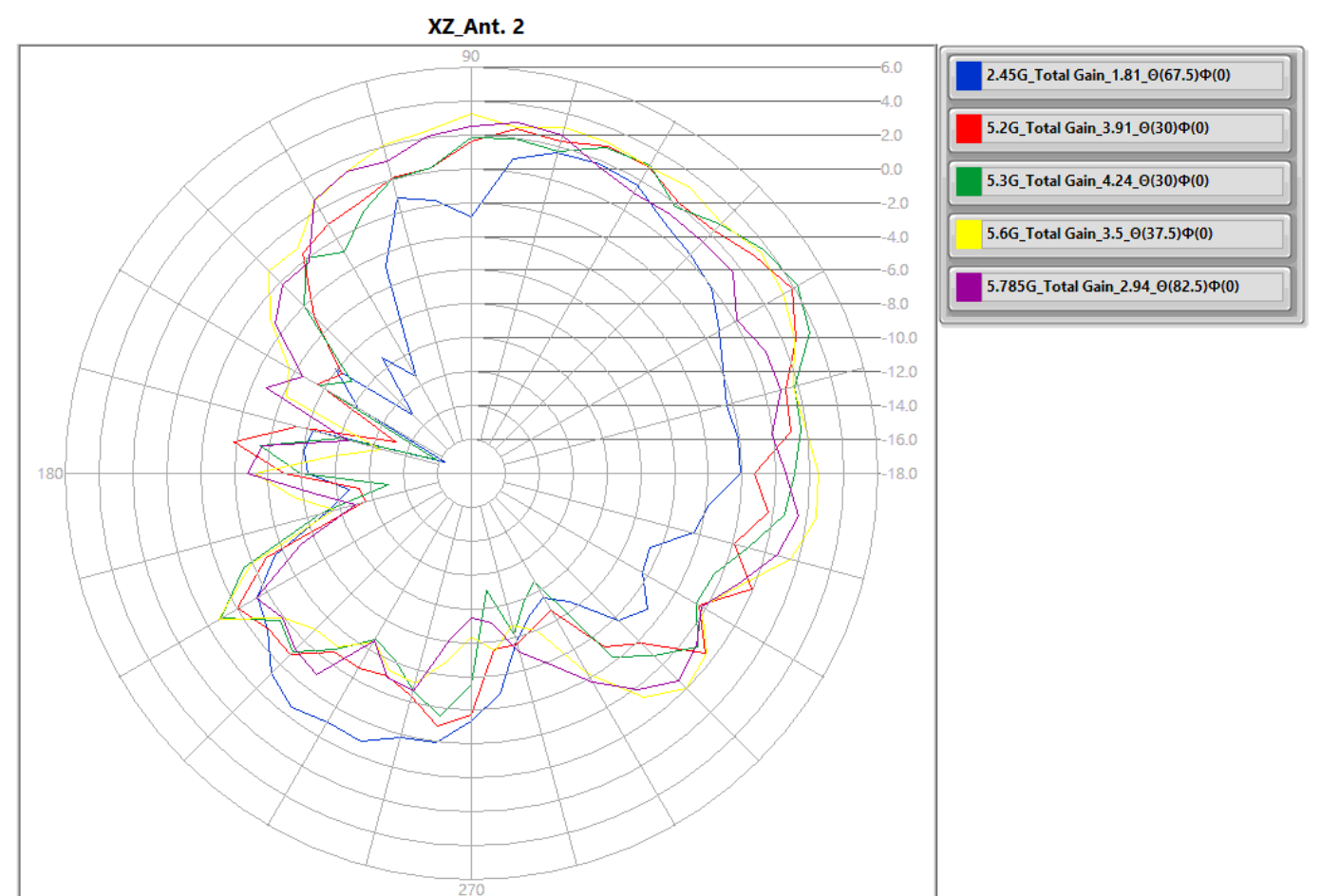
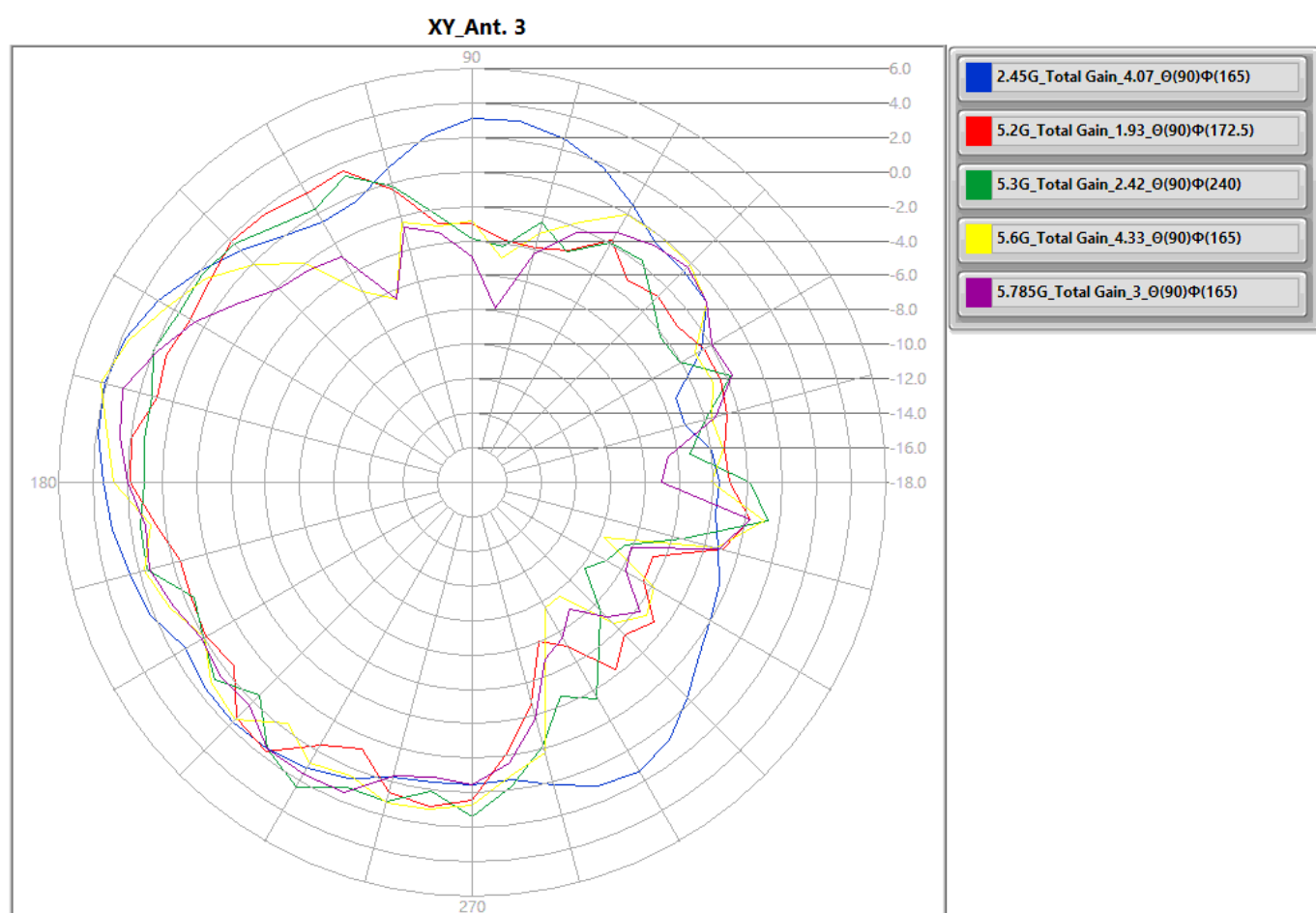
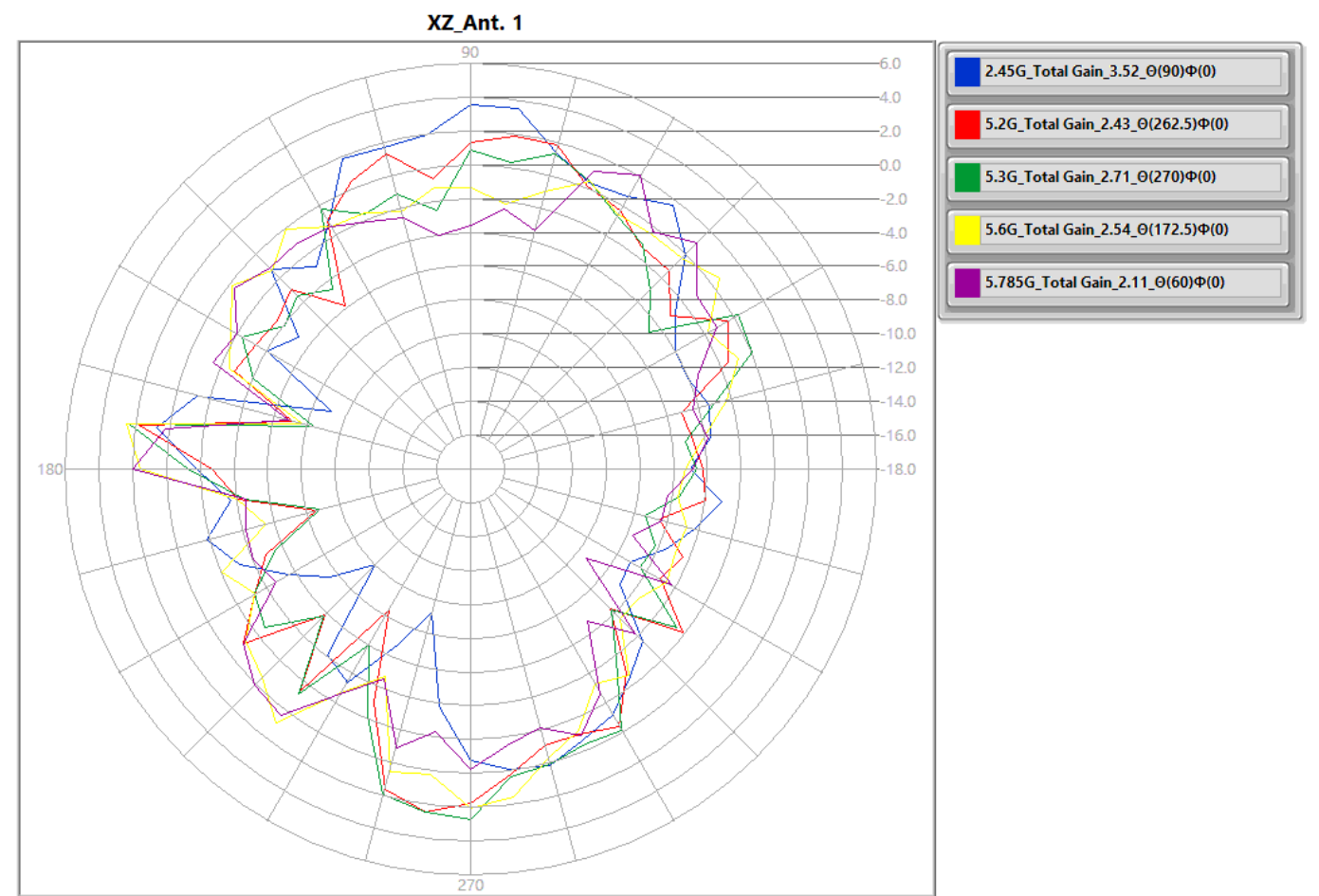
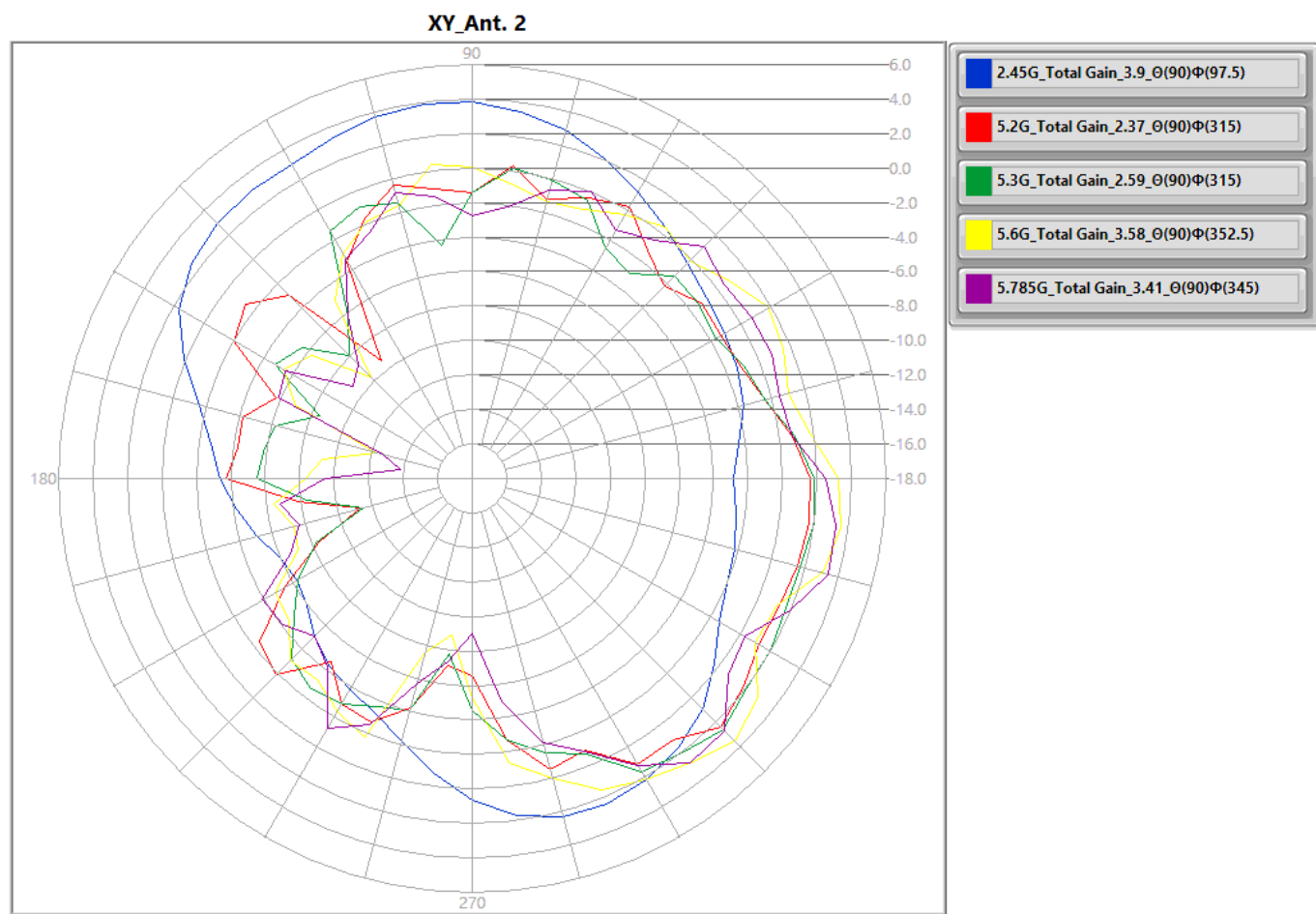
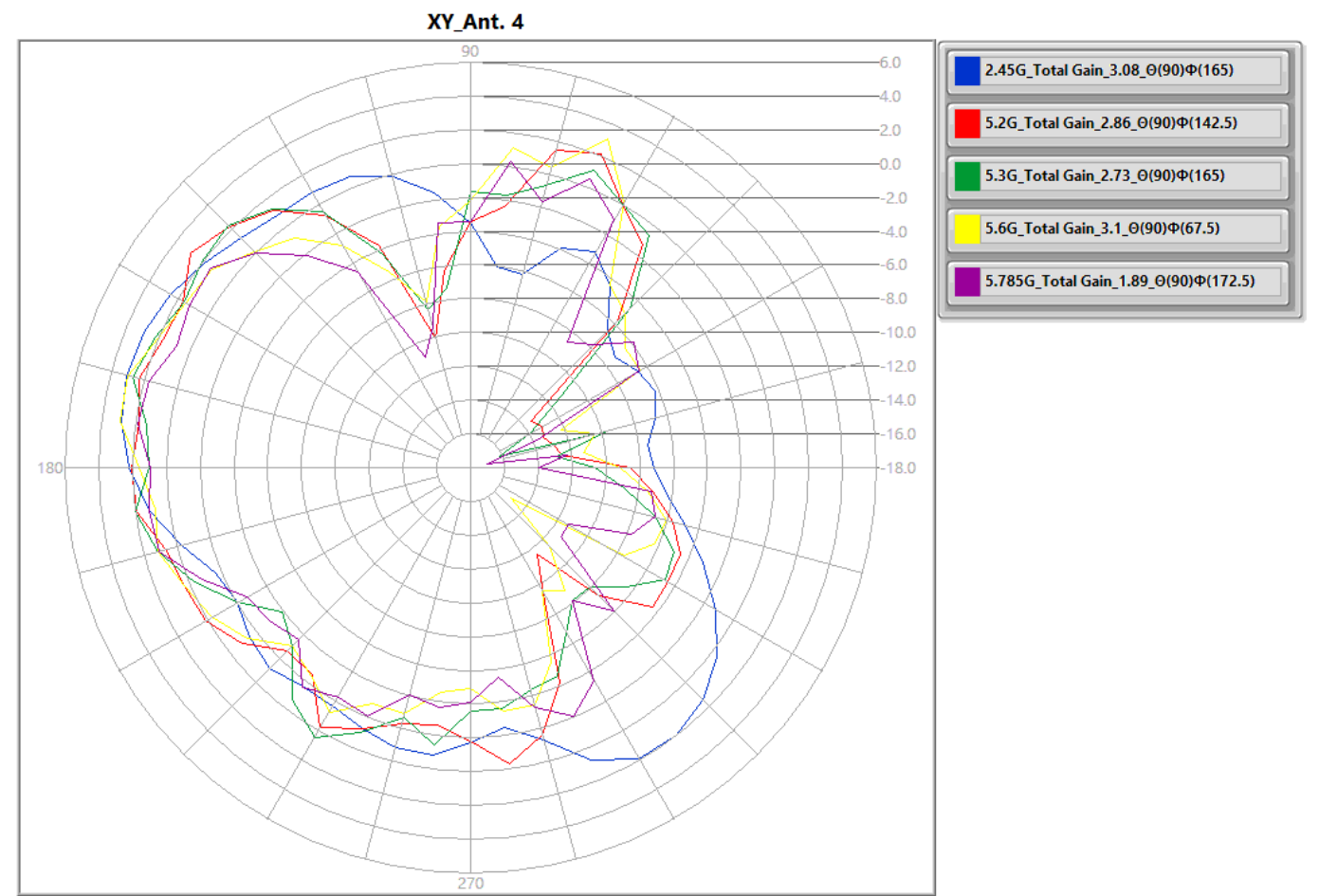
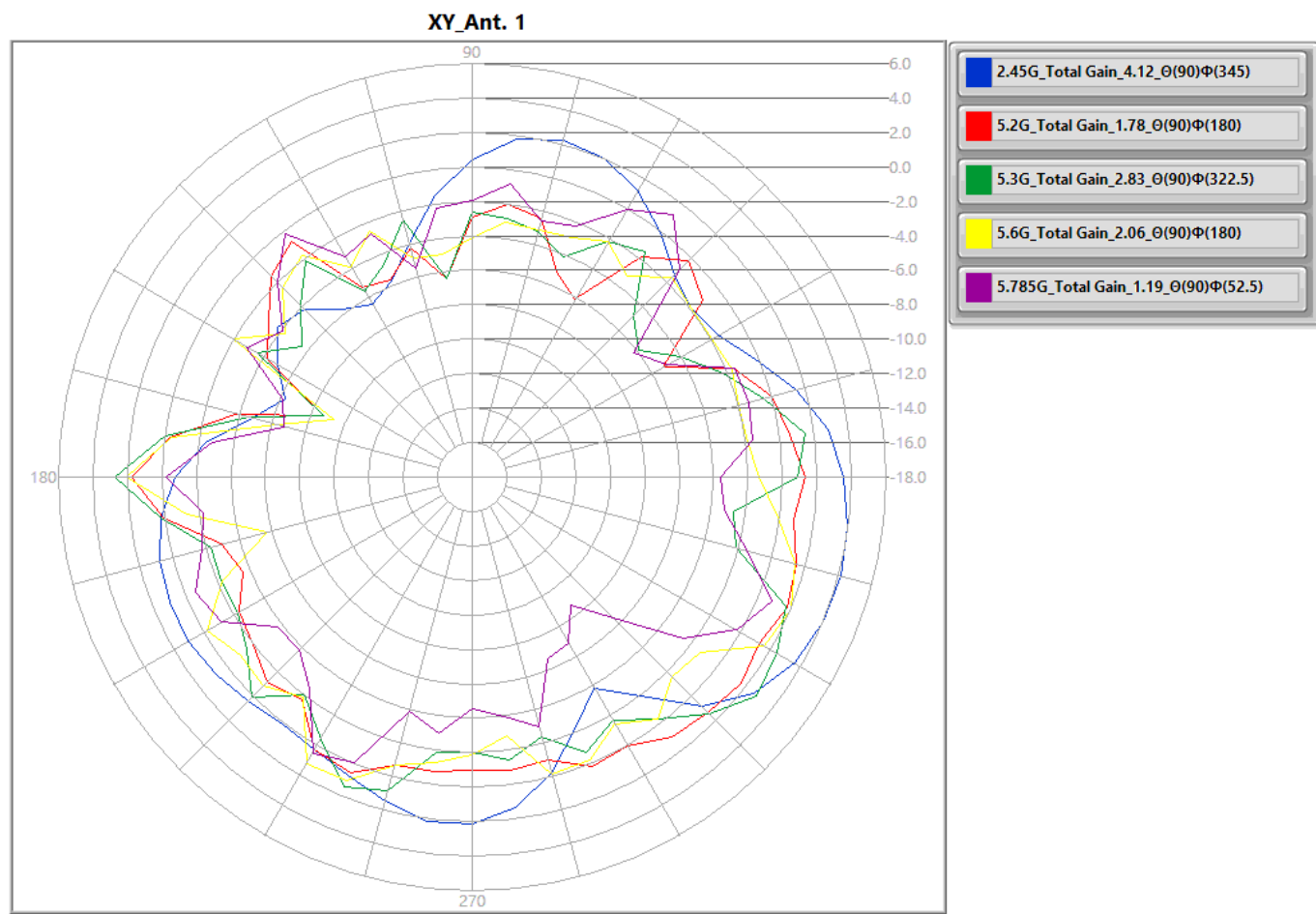


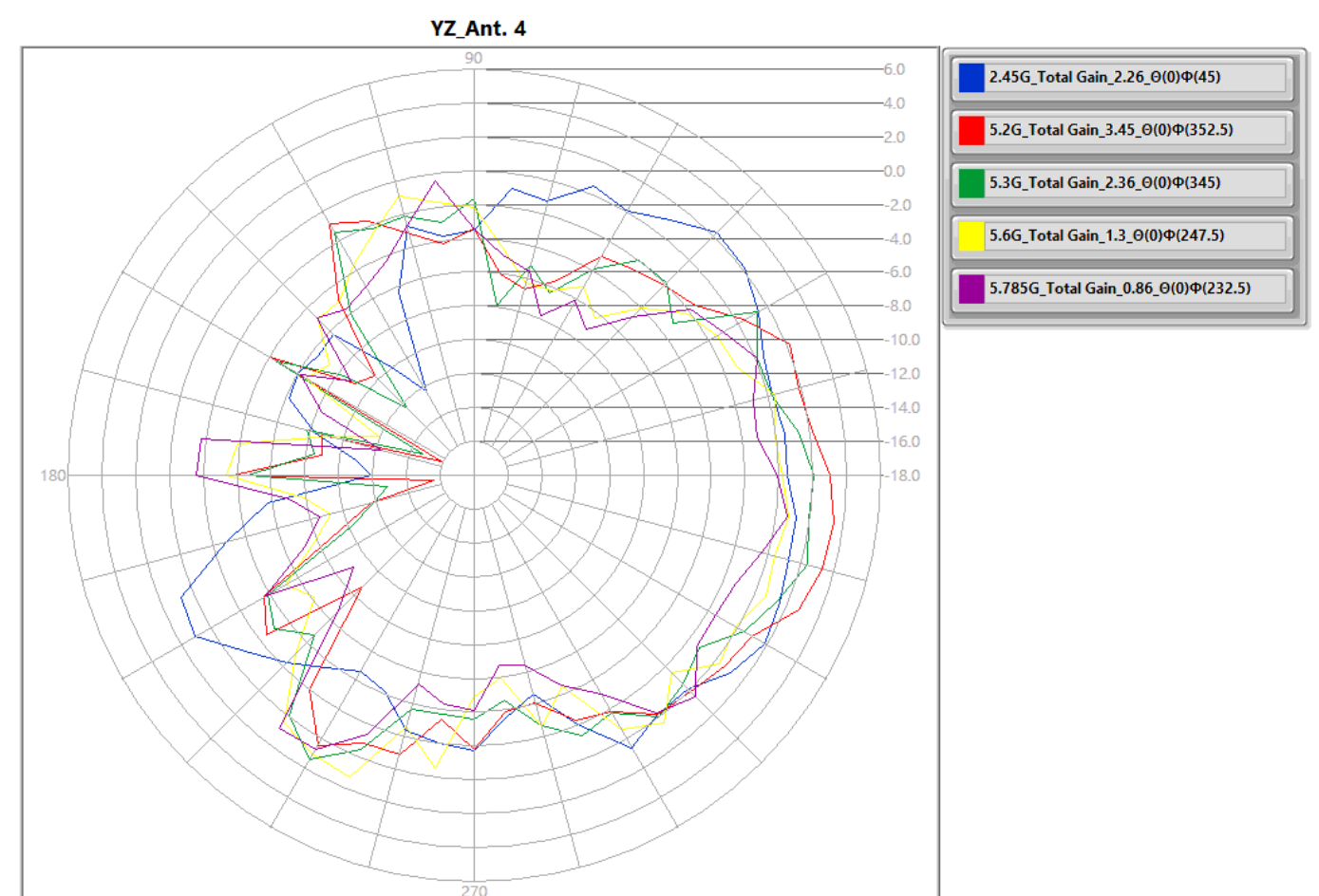
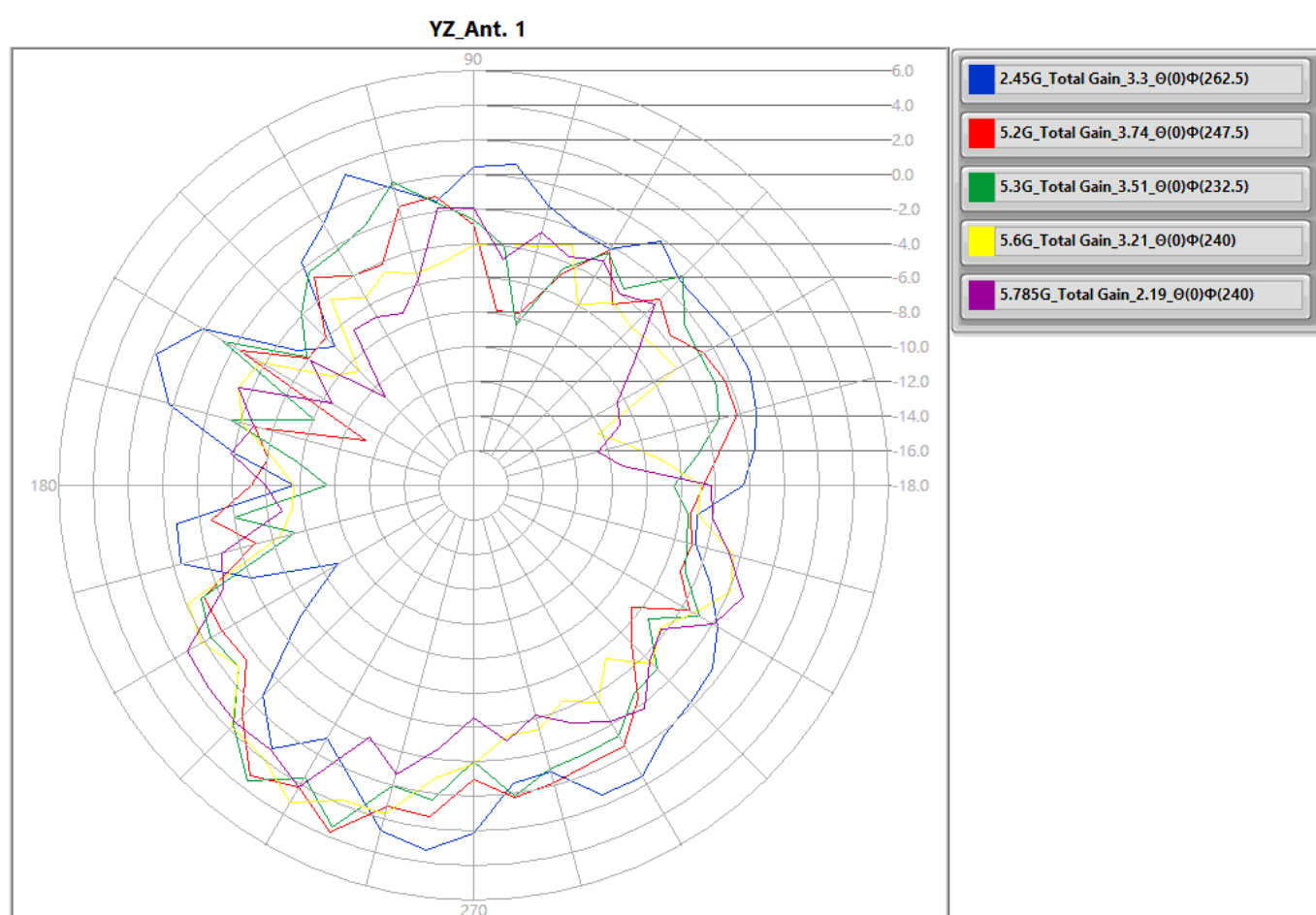
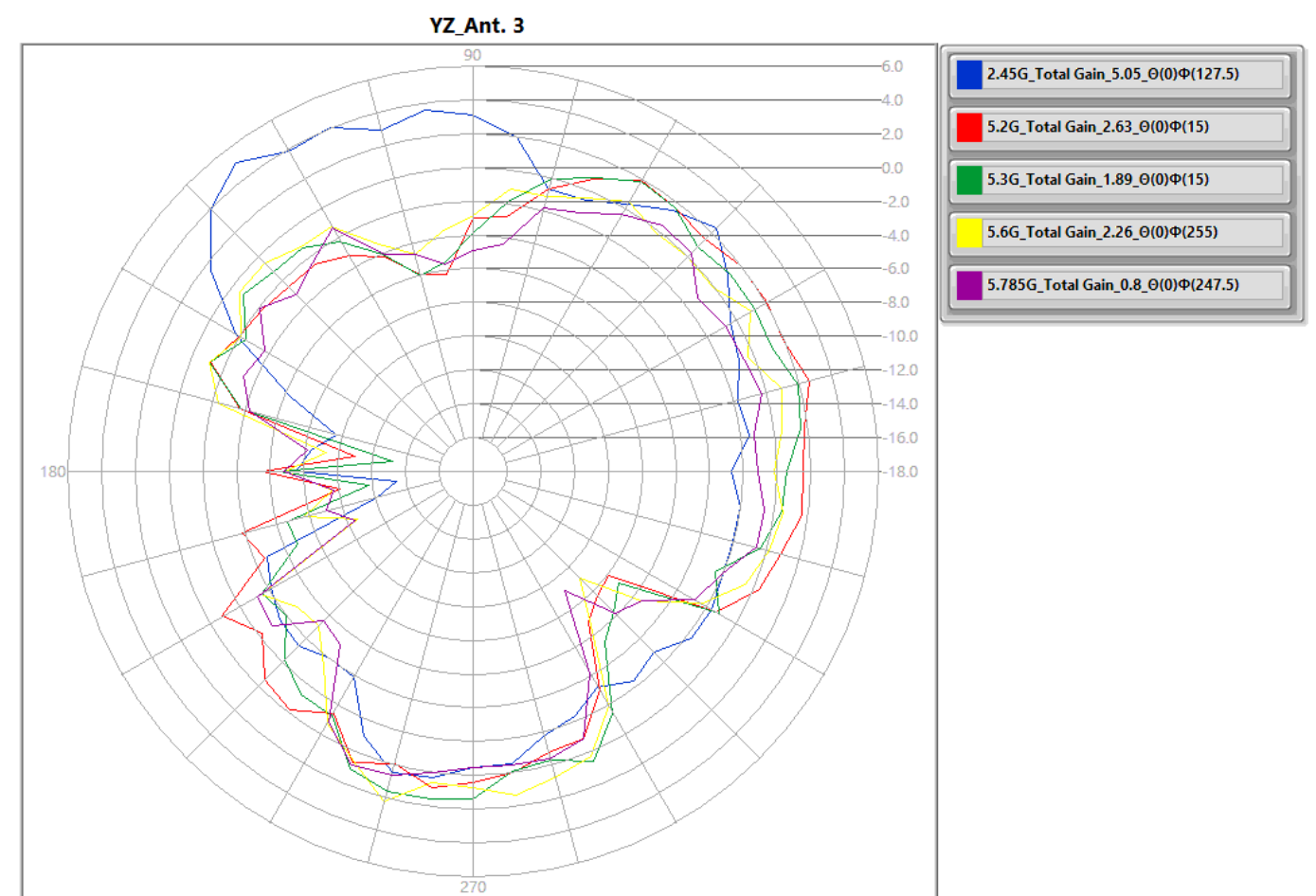
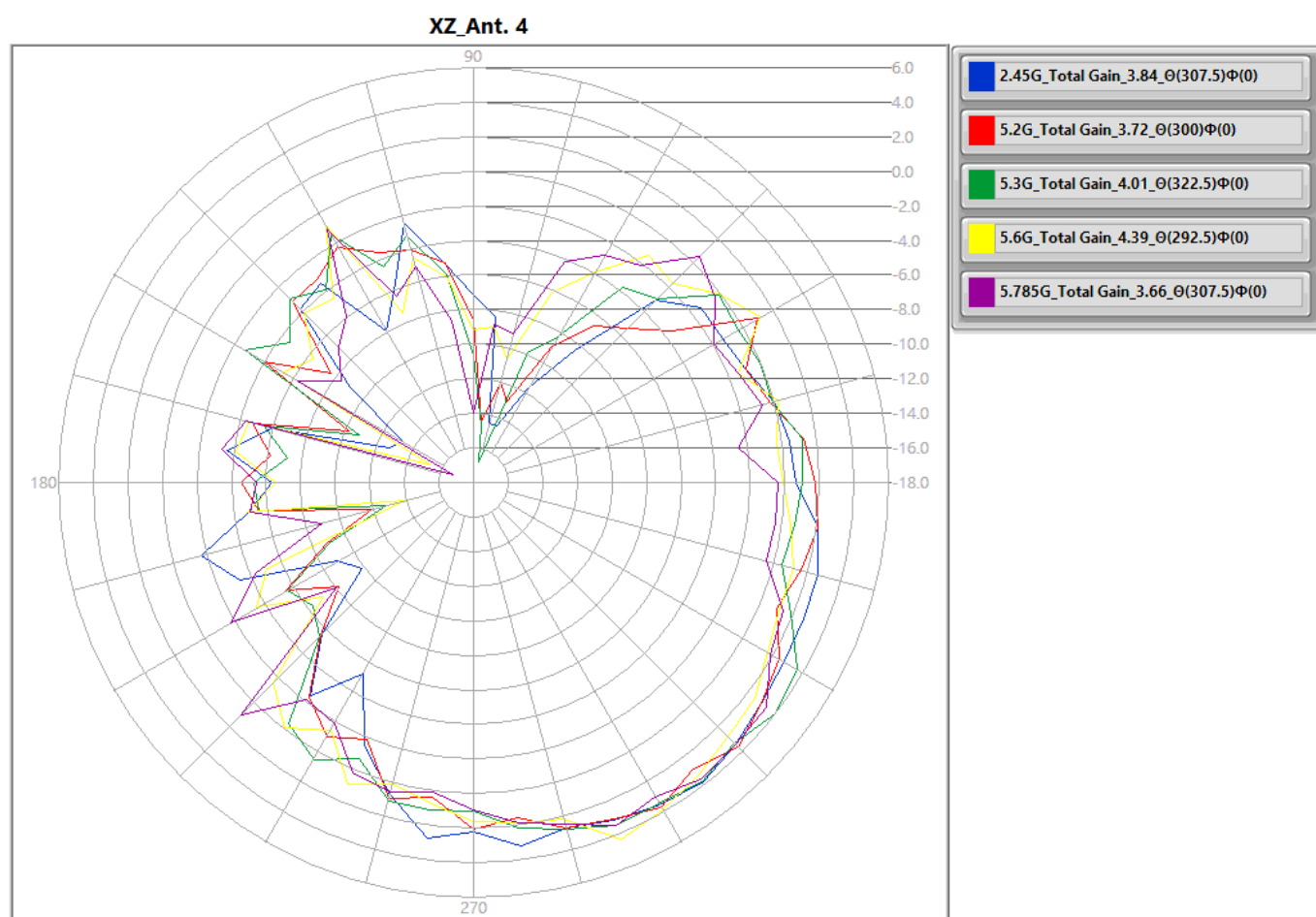
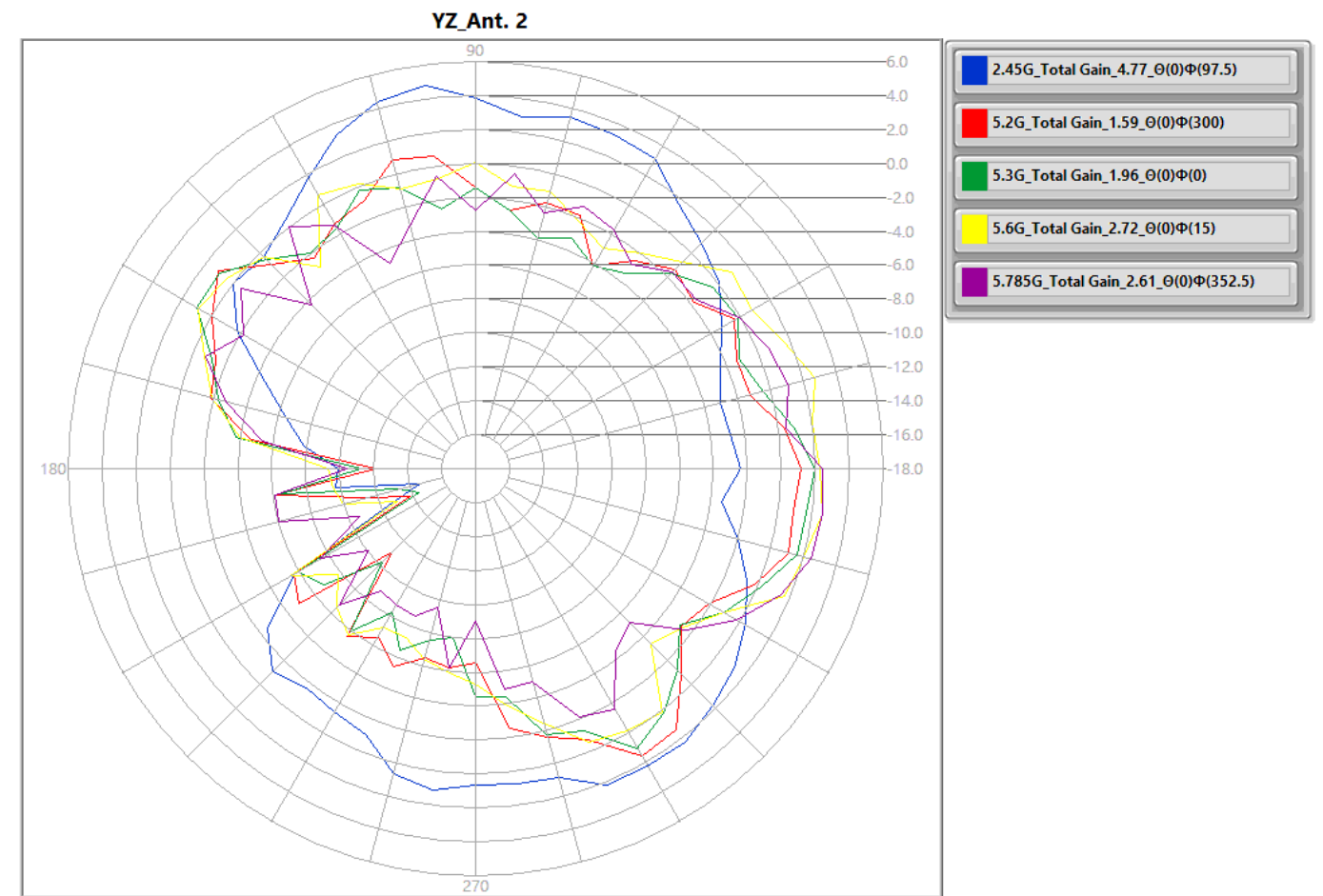
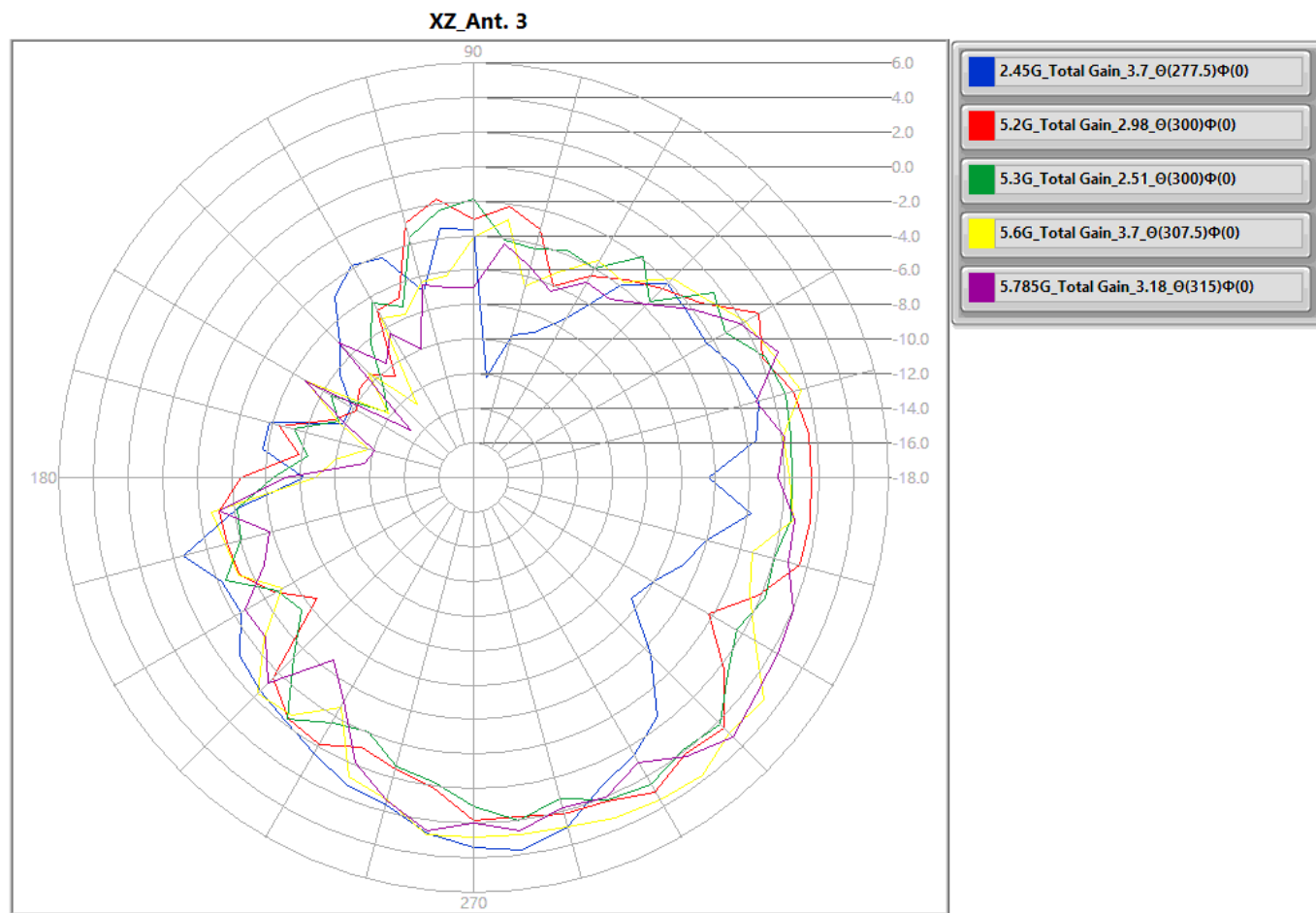
Antenna Pattern 2.4GHz/5GHz

Appendix D

Θ(05°)	-4.75/3.38	-1.92/1.31	-1.83/3.36	-5.53/-6.48	-5.65/5.38	-6.58/9.19	-8.68/-7.22	-5.96/5.87	-7.21/9.83	-12.44/-14.16	-15.40/-14.81	-12.23/-11.63	-11.91/-11.62	-11.06/-11.66	-11.67/-11.59	-13.21/-15.06	-13.09/-11.45	-12.93/-15.51	-11.66/-8.25	-6.47/-7.12	-8.78/-10.62	-12.70/-14.20	-15.53/-13.94	-8.86/5.65
Θ(172.5°)	-6.14/5.47	-4.83/5.13	-6.22/-6.42	-5.90/-4.98	-4.51/-4.72	-5.10/-7.14	-8.96/-7.25	-9.26/7.33	-5.47/-4.13	-3.13/-2.33	-2.42/-2.79	-3.05/-3.95	-5.48/-7.14	-8.52/-9.81	-11.83/-12.52	-11.92/-11.68	-12.24/-13.42	-16.03/-16.93	-15.59/-11.80	-9.99/-8.97	-7.13/-6.78	-6.95/7.02	-7.51/-7.18	-6.59/-6.72
Θ(180°)	-4.55/-3.92	-4.17/-4.85	-4.93/-4.49	-4.44/-4.28	-3.94/-3.80	-3.62/-3.61	-3.76/-4.13	-4.87/-5.34	-5.76/-5.94	-6.46/-6.22	-6.02/-6.01	-5.85/-5.69	-6.05/-6.48	-6.67/-6.46	-6.66/-7.99	-9.40/-10.80	-12.80/-14.99	-15.85/-16.61	-12.75/-9.71	-7.59/-5.81	-4.75/-4.18	-3.92/-4.07	-4.31/-5.36	-6.86/-6.28
Freq(Hz)	5.3GHzPol	TotalAnt. 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)Φ(7.5°)	Φ(15°)Φ(22.5°)	Φ(30°)Φ(37.5°)	Φ(45°)Φ(52.5°)	Φ(60°)Φ(67.5°)	Φ(75°)Φ(82.5°)	Φ(90°)Φ(97.5°)	Φ(105°)Φ(112.5°)	Φ(120°)Φ(127.5°)	Φ(135°)Φ(142.5°)	Φ(150°)Φ(157.5°)	Φ(165°)Φ(172.5°)	Φ(180°)Φ(187.5°)	Φ(195°)Φ(202.5°)	Φ(210°)Φ(217.5°)	Φ(225°)Φ(232.5°)	Φ(240°)Φ(247.5°)	Φ(255°)Φ(262.5°)	Φ(270°)Φ(277.5°)	Φ(285°)Φ(292.5°)	Φ(300°)Φ(307.5°)	Φ(315°)Φ(322.5°)	Φ(330°)Φ(337.5°)	Φ(345°)Φ(352.5°)
Θ(0°)	1.050/0.92	1.101/4.3	1.781/8.8	1.861/9.1	1.982/0.4	1.992/0.5	2.051/9.2	1.441/1.2	1.091/0.4	0.800/0.4	0.680/0.59	0.230/0.30	0.801/0.3	0.830/0.82	0.961/4.5	1.902/2.4	1.931/3.0	1.141/3.8	1.591/5.0	1.671/6.1	1.090/6.4	0.400/2.6	0.100/2.6	0.681/0.6
Θ(7.5°)	1.220/0.95	0.820/0.2	0.990/0.99	0.920/7.7	0.941/1.4	1.060/8.8	1.351/1.5	1.010/6.0	0.520/0.38	0.320/1.5	-0.02/-0.07	0.060/0.18	0.701/1.7	1.131/2.2	1.691/9.5	1.871/9.8	2.452/5.3	2.282/0.2	1.972/0.5	2.121/9.5	1.561/3.9	1.251/1.0	0.951/1.1	1.221/3.0
Θ(15°)	-0.08/-0.23	-0.13/-0.28	-0.37/-0.02	0.430/6.6	1.121/2.6	1.000/7.4	0.210/4.6	0.780/6.4	0.280/0.3	0.570/5.6	0.19/-0.05	-0.05/-0.05	0.431/0.7	1.230/7.9	0.941/9.4	2.342/0.1	1.882/2.1	2.642/6.9	2.382/1.0	1.941/8.4	1.651/3.6	0.950/4.7	0.02/-0.05	-0.22/-0.27
Θ(22.5°)	-0.03/-0.17	-0.47/-0.55	-0.20/-0.50	-0.72/-1.00	-0.80/-0.27	0.160/6.5	0.080/0.14	0.421/0.1	1.391/3.6	1.371/4.4	1.160/8.7	1.161/4.8	1.882/2.4	2.332/0.8	1.832/0.8	2.442/4.0	2.272/2.8	2.201/7.8	1.381/2.6	1.571/6.7	1.160/8.4	0.550/2.5	-0.09/-0.08	
Θ(30°)	-0.35/-0.59	-0.93/-0.88	-0.77/-0.39	0.050/4.9	0.30/-0.02	-0.620/0.1	1.281/6.9	1.111/1.2	1.872/4.8	2.842/8.8	2.732/4.5	2.683/2.2	3.623/8.0	3.573/7.9	3.413/0.6	2.802/6.3	2.341/7.3	1.230/8.9	0.48/-0.05	0.300/7.0	0.880/4.1	0.030/0.9	-0.00/-0.09	-0.13/-0.23
Θ(37.5°)	-0.12/-0.11	-0.54/-1.04	-1.82/-2.64	-3.17/-3.66	-3.73/-2.93	-2.45/-2.74	-3.23/-1.60	-0.020/7.4	0.951/6.8	2.392/8.4	2.812/6.2	2.763/3.1	4.014/5.1	4.65/4.52	4.023/2.7	2.581/9.1	0.70/-0.12	-0.17/-0.93	-1.28/-0.70	-0.33/-0.77	-1.58/-1.55	-1.16/-0.63	0.190/6.1	0.450/6.16
Θ(45°)	-2.93/-2.85	-3.61/-5.58	-8.18/-9.12	-7.38/-5.29	-4.03/-4.04	-4.57/-3.16	-1.93/-2.76	-4.08/-1.54	0.861/5.6	2.072/8.0	3.002/9.7	2.933/0.5	3.313/3.6	3.202/7.7	2.041/7.7	2.152/1.1	1.571/5.7	1.270/5.7	-0.52/-1.59	-0.93/-0.41	-0.84/-1.49	-1.58/-1.13	-1.09/-2.17	-3.22/-3.39
Θ(52.5°)	-3.79/-3.72	-3.52/-4.18	-5.84/-7.68	-7.95/-6.34	-4.80/-2.85	-2.19/-1.92	-1.98/-2.96	-3.67/-2.61	-0.980/8.5	1.402/6.7	3.923/9.3	3.283/3.1	3.784/0.6	3.732/7.2	1.731/8.8	2.192/8.4	2.630/0.8	-1.29/-0.38	-0.01/-1.40	-3.06/-2.47	-1.65/-1.94	-2.04/-2.08	-2.51/-3.12	-3.42/-3.61
Θ(60°)	-8.34/-6.32	-5.02/-5.60	-5.78/-5.60	-5.32/-3.90	-2.36/-1.52	-2.69/-3.44	-3.91/-3.99	-3.14/-1.25	-0.44/-1.72	0.842/9.8	3.473/9.0	4.133/7.3	3.433/5.8	3.632/9.4	2.101/4.9	1.492/1.0	1.871/0.8	0.22/-0.10	-1.75/-2.95	-0.94/-2.19	-5.29/-3.97	-1.92/-2.50	-4.32/-5.98	-7.24/-8.65
Θ(67.5°)	-9.87/-9.81	-8.78/-7.63	-6.66/-4.78	-3.32/-6.44	-2.49/-3.53	-3.60/-4.37	-6.33/-5.59	-3.47/-1.23	0.401/2.5	-0.201/4.8	2.823/0.0	3.243/3.0	3.513/4.4	3.272/7.6	1.831/0.9	0.802/0.6	2.101/7.8	-1.36/-3.17	-2.42/-3.78	-4.86/-5.20	-4.60/-3.73	-4.87/-6.65	-8.08/-9.81	
Θ(75°)	-16.79/-16.21	-15.18/-14.02	-9.05/-5.13	-3.88/-3.22	-1.23/-0.83	-3.73/-4.74	-5.17/-8.36	-4.47/-0.75	0.320/3.8	1.982/1.1	2.323/1.9	3.403/3.0	2.782/4.6	1.961/0.2	0.33/-0.96	-0.940/3.7	0.20/-1.85	-2.48/-1.00	-2.66/-6.80	-5.45/-4.94	-8.80/-7.04	-7.41/-8.33	-5.62/-4.98	-7.46/-14.13
Θ(82.5°)	-14.70/-15.58	-15.65/-16.19	-9.35/-5.32	-3.08/-0.60	0.40/-1.83	-4.30/-2.00	-7.88/-7.96	-6.81/-1.95	0.050/6.1	0.511/6.8	1.421/6.9	2.932/9.6	2.192/1.5	2.191/2.5	-0.15/-1.98	-1.85/-0.48	0.26/-0.69	-2.59/-3.90	-4.58/-3.56	-3.86/-8.01	-10.14/-6.47	-5.95/-6.77	-5.84/-5.71	-7.60/-11.72
Θ(90°)	-10.68/-12.90	-9.58/-16.16	-13.84/-11.66	-4.69/-6.69	0.031/0.3	-0.71/-1.71	-1.66/-7.27	-8.28/-4.32	-0.501/2.5	2.232/0.1	1.552/1.8	2.731/3.7	1.001/9.8	1.114/-0.27	-2.08/-3.99	-3.08/-0.70	0.471/-1.01	-2.70/-1.44	-3.56/-3.62	-4.35/-4.67	-6.64/-8.09	-8.06/-6.42	-4.72/-4.94	-6.73/-8.89
Θ(97.5°)	-5.86/-7.43	-15.64/-17.02	-8.71/-6.25	-4.42/-3.67	-0.131/0.1	-4.700/2.1	-2.94/-3.64	-7.55/-7.19	-4.66/-0.49	1.000/3.3	0.341/3.2	1.661/9.0	1.13/-0.53	-1.13/-2.00	-4.28/-4.21	-1.490/2.3	-0.07/-1.53	-0.64/-0.88	-3.75/-5.88	-2.59/-5.00	-6.66/-7.61	-7.92/-6.19	-6.55/-8.56	-8.64/-8.52
Θ(105°)	-3.21/-4.30	-15.37/-17.01	-10.19/-15.14	-7.57/-4.33	-2.33/-0.26	-2.91/-3.44	-2.15/-2.21	-5.52/-5.13	-5.03/-1.56	0.510/0.6	-0.060/0.3	2.132/1.0	1.040/1.3	-0.92/-1.38	-1.21/-1.75	-0.260/6.6	1.541/6.4	0.93/-2.24	-3.69/-2.33	-2.55/-2.30	-5.33/-4.46	-2.71/-3.87	-2.94/-3.40	-6.24/-6.40
Θ(112.5°)	-4.46/-2.05	-4.30/-9.96	-12.32/-8.17	-3.15/-6.61	-2.47/-0.59	-4.73/-0.47	-2.26/-2.04	-0.32/-2.78	-2.08/-4.22	0.081/-1.33	-2.10/-1.81	-0.06/-0.36	-0.740/1.1	0.61/-2.04	-3.18/-1.24	-0.290/9.5	1.621/5.8	2.001/4.5	-0.46/-3.03	-1.81/-0.54	-2.94/-4.34	-1.84/-2.88	-5.17/-5.71	-6.60/-6.92
Θ(120°)	-1.48/-0.93	-2.34/-6.44	-8.77/-7.79	-7.43/-7.61	-5.30/-1.80	-5.95/-3.75	-1.45/-3.80	-4.64/-4.14	-2.09/-1.35	-1.39/-2.01	-2.33/-2.41	-3.47/-2.48	0.490/7.1	-1.45/-3.31	-5.38/-3.42	-3.710/4.5	2.252/1.4	0.640/6.8	1.40/-0.19	-2.39/-0.90	-1.06/-3.18	-3.40/-3.06	-1.61/-2.05	-4.68/-4.63
Θ(127.5°)	-3.96/-1.86	-3.42/-10.83	-13.05/-9.77	-7.49/-7.26	-8.89/-8.46	-6.74/-6.92	-5.98/-4.92	-3.20/-1.83	-2.28/-4.36	-4.63/-5.93	-4.75/-3.47	-3.29/-2.32	-0.41/-0.22	-2.22/-3.87	-3.76/-3.15	1.110/3.0	0.23/-3.53	1.472/-2.9	-0.11/-6.42	-2.71/-1.09	-1.97/-1.77	-5.73/-9.38	-4.52/-6.02	-6.74/-6.34
Θ(135°)	-2.93/-2.67	-7.27/-9.40	-10.31/-8.88	-9.39/-12.12	-11.59/-14.76	-12.43/-1.94	-6.60/-4.60	-7.17/-6.70	-8.92/-5.22	-4.05/-7.27	-10.05/-7.77	-5.35/-2.95	-0.68/-1.29	-2.91/-4.41	-7.28/-0.60	-1.982/1.1	3.040/1.3	-4.66/-8.27	-0.862/3.3	0.13/-3.31	-3.89/-7.84	-10.10/-9.72	-9.43/-5.34	
Θ(142.5°)	-4.65/-4.40	-5.92/-4.82	-2.64/-3.18	-4.58/-4.25	-3.66/-5.00	-7.45/-8.65	-8.40/-4.98	-4.28/-7.37	-13.64/-11.15	-6.41/-4.75	-5.75/-8.53	-9.77/-8.32	-6.27/-4.40	-2.97/-2.62	-5.96/-12.77	-8.68/-10.29	-1.85/-0.19	-4.14/-4.60	-3.070/6.4	0.30/-1.03	-4.39/-5.25	-7.12/-12.77	-11.74/-15.63	-9.24/-6.03
Θ(150°)	-2.72/-2.49	-1.81/-1.49	-2.10/-4.04	-6.36/-5.86	-4.93/-6.50	-6.00/-4.25	-4.44/-6.70	-7.63/-5.50	-5.43/-6.13	-7.57/-9.39	-8.77/-8.17	-8.92/-7.40	-5.54/-5.92	-8.20/-9.65	-8.34/-7.85	-9.15/-7.56	-8.52/-10.64	-5.20/-3.48	-3.93/-4.02	-4.09/-1.87	-1.78/-4.80	-5.93/-2.45	-2.04/-3.80	-3.47/-6.26
Θ(157.5°)	-10.86/-9.43	-7.08/-5.13	-3.94/-4.23	-6.87/-11.88	-13.14/-10.37	-9.25/-11.08	-14.73/-14.57	-12.95/-9.49	-8.13/-9.78	-12.12/-11.77	-10.41/-9.26	-8.47/-8.88	-8.96/-7.01	-4.85/-4.53	-6.67/-8.05	-5.23/-4.65	-6.04/-5.44	-3.73/-5.34	-4.92/-4.41	-10.13/-8.71	-9.58/-9.96	-7.71/-5.40	-4.98/-7.44	-11.32/-12.34
Θ(165°)	-5.44/-4.35	-2.77/-2.17	-2.63/-4.15	-5.83/-6.76	-5.49/-5.19	-6.00/-6.73	-7.77/-6.05	-4.59/-4.55	-6.54/-8.97	-11.32/-13.33	-12.64/-11.67	-11.23/-11.37	-12.76/-13.95	-14.66/-11.74	-11.23/-12.18	-13.77/-15.45	-12.80/-9.73	-8.39/-11.26	-11.94/-10.61	-8.62/-9.24	-12.40/-15.79	-16.18/-15.68	-12.61/-12.40	-6.50/-5.91
Θ(172.5°)	-7.17/-5.65	-4.94/-5.07	-5.51/-5.70	-5.69/-5.34	-4.60/-4.49	-5.95/-7.60	-8.45/-4.70	-5.96/-4.83	-3.77/-2.58	-2.08/-2.20	-3.00/-3.82	-4.55/-5.03	-5.50/-6.27	-7.41/-8.29	-8.83/-8.99	-9.78/-10.75	-10.80/-10.60	-10.88/-11.26	-12.83/-13.63	-10.91/-8.01	-6.54/-6.43	-7.49/-6.90	-10.34/-7.78	-6.26/-6.68
Θ(180°)	-5.33/-5.02	-5.28/-5.68	-6.16/-5.73	-5.30/-4.61	-4.43/-4.55	-4.90/-4.93	-4.83/-4.64	-5.08/-5.45	-5.92/-6.19	-6.38/-6.58	-6.43/-6.27	-6.07/-5.80	-5.42/-5.30	-5.94/-6.79	-7.91/-9.05	-10.10/-11.70	-13.34/-13.82	-14.05/-14.54	-14.36/-11.24	-8.71/-6.29	-5.29/-5.64	-6.14/-6.78	-6.43/-6.11	-7.11/-6.81
Freq(Hz)	5.6GHzPol	TotalAnt. 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)Φ(7.5°)	Φ(15°)Φ(22.5°)	Φ(30°)Φ(37.5°)	Φ(45°)Φ(52.5°)	Φ(60°)Φ(67.5°)	Φ(75°)Φ(82.5°)	Φ(90°)Φ(97.5°)	Φ(105°)Φ(112.5°)	Φ(120°)Φ(127.5°)	Φ(135°)Φ(142.5°)	Φ(150°)Φ(157.5°)	Φ(165°)Φ(172.5°)	Φ(180°)Φ(187.5°)	Φ(195°)Φ(202.5°)	Φ(210°)Φ(217.5°)	Φ(225°)Φ(232.5°)	Φ(240°)Φ(247.5°)	Φ(255°)Φ(262.5°)	Φ(270°)Φ(277.5°)	Φ(285°)Φ(292.5°)	Φ(300°)Φ(307.5°)	Φ(315°)Φ(322.5°)	Φ(330°)Φ(337.5°)	Φ(345°)Φ(352.5°)
Θ(0°)	-0.09/-0.15	-0.090/0.36	0.370/0.02	-0.41/-0.33	-0.040/0.1	-0.751/0.4	0.181/-0.38	-0.66/-0.90	-0.35/-0.13	-0.25/-0.16	0.091/0.20	-0.51/-0.11	0.260/0.13	0.330/0.54	0.290/0.29	0.690/7.7	0.290/0.4	0.020/0.33	0.390/4.5	0.560/5.1	0.500/3.4	0.540/5.8	0.510/3.2	0.390/5.6
Θ(7.5°)	-0.32/-0.37	-0.24/-0.31	-0.39/-0.50	-0.70/-0.61	-0.36/-0.39	-0.31/-0.59	-0.11/-0.37	-0.61/-0.84	-0.42/-0.25	-0.35/-0.08	0.590/6.0	0.08/-0.16	0.530/6.3	0.280/4.2	0.21/-0.34	0.050/6.8	0.28/-0.77	-0.900/0.7	0.711/1.02	0.830/6.5	0.240/0.9	0.210/3.3	0.600/8.4	0.770/5.5
Θ(15°)	0.26/-0.07	-0.01/-0.25	-0.090/0.65	1.060/9.8	1.171/1.0	0.960/5.8	0.360/0.34	0.400/-0.27	0.250/6.6	0.740/9.0	1.051/0.9	0.960/7.8	1.151/3.7	1.551/4.3	1.471/3.33	1.081/2.0	1.360/4.5	-0.35/-0.15	0.390/7.2	0.650/5.6	0.460/6.35	0.380/-0.67	0.950/9.3	0.630/

E1(XY plane) – $\Theta(90)\Phi(0-360)$
E2(XZ plane) – $\Theta(0-180)\Phi(0)$ and $\Theta(0-180)\Phi(180)$
E3(YZ plane) – $\Theta(0-180)\Phi(90)$ and $\Theta(0-180)\Phi(270)$







Total Gain Data

Freq(Hz)	6.175GPol.	TotalAnt.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Gain	Φ(0°)Φ(7.5°)	Φ(15°)Φ(22.5°)	Φ(30°)Φ(37.5°)	Φ(45°)Φ(52.5°)	Φ(60°)Φ(67.5°)	Φ(75°)Φ(82.5°)	Φ(90°)Φ(97.5°)	Φ(105°)Φ(112.5°)	Φ(120°)Φ(127.5°)	Φ(135°)Φ(142.5°)	Φ(150°)Φ(157.5°)	Φ(165°)Φ(172.5°)	Φ(180°)Φ(187.5°)	Φ(195°)Φ(202.5°)	Φ(210°)Φ(217.5°)	Φ(225°)Φ(232.5°)	Φ(240°)Φ(247.5°)	Φ(255°)Φ(262.5°)	Φ(270°)Φ(277.5°)	Φ(285°)Φ(292.5°)	Φ(300°)Φ(307.5°)	Φ(315°)Φ(322.5°)	Φ(330°)Φ(337.5°)	Φ(345°)Φ(352.5°)
Θ(0°)	-0.310-27	0.831-17	1.561-98	2.232-38	2.682-92	3.072-15	2.983-08	2.972-76	3.173-17	2.632-51	2.812-85	2.702-72	2.772-78	2.732-55	2.252-06	1.781-71	1.801-96	1.962-07	2.002-11	2.091-95	1.761-20	0.840-63	0.550-42	0.480-61
Θ(7.5°)	2.382-32	2.312-31	2.332-39	2.132-02	2.021-99	1.872-15	1.961-86	1.521-29	1.581-66	1.030-97	1.531-59	1.892-07	2.342-48	2.462-55	2.502-69	2.880-16	3.373-55	3.653-81	3.924-20	4.223-96	3.383-24	3.002-67	2.562-66	
Θ(15°)	3.633-63	3.713-60	3.443-04	2.392-13	2.031-83	1.721-33	0.890-55	-0.33-0.59	-0.680-01	-0.41-0.51	-0.82-0.79	-0.38-0.09	0.961-30	1.672-19	2.522-77	2.922-91	2.942-98	3.353-91	4.494-94	5.024-89	4.914-85	4.874-72	4.634-19	4.043-96
Θ(22.5°)	4.604-31	3.973-37	3.002-61	2.232-21	2.372-46	2.281-72	1.260-87	0.670-88	1.271-27	0.750-09	-0.36-0.89	-1.11-0.85	-0.110-73	1.181-30	1.532-03	2.663-19	3.633-91	3.983-87	3.944-37	4.684-91	4.995-06	5.054-96	4.714-46	4.644-70
Θ(30°)	4.704-71	4.688-83	3.002-46	1.281-96	2.292-43	2.622-71	2.702-88	2.002-05	1.540-92	-0.15-1.41	-2.19-2.79	-2.52-1.30	0.140-59	1.682-16	3.163-30	3.713-36	3.153-11	3.354-03	4.655-01	4.784-74	4.934-94	4.734-67	4.434-35	4.714-48
Θ(37.5°)	4.363-74	3.061-78	-0.04-0.50	-0.180-69	1.742-18	1.901-31	0.52-0.43	-1.18-1.41	-1.19-0.65	-1.32-2.39	-3.50-3.71	-1.760-01	0.321-03	2.223-18	3.503-54	3.122-92	2.782-78	3.113-43	3.874-44	5.044-98	4.714-66	4.474-16	4.324-43	4.834-84
Θ(45°)	4.484-56	3.733-05	2.742-07	1.530-83	0.230-38	-0.75-1.98	-2.79-2.64	-2.09-2.03	-1.49-0.86	-0.97-2.60	-3.94-3.83	-2.31-1.38	-0.83-0.06	0.751-19	1.622-26	2.582-63	2.963-06	2.412-19	2.963-64	3.704-49	4.894-47	3.292-21	2.362-77	3.614-34
Θ(52.5°)	2.922-98	2.362-17	2.622-46	2.441-22	-0.47-1.65	-1.81-1.54	-1.75-2.16	-2.80-3.70	-2.99-2.58	-5.14-8.15	-8.36-7.58	-6.31-5.61	-4.72-4.96	-5.35-3.31	-2.08-2.69	-2.46-1.25	0.521-55	1.280-75	1.022-29	3.944-04	2.370-69	1.331-28	1.541-48	1.932-65
Θ(60°)	1.321-58	1.601-84	2.883-47	3.081-35	-0.53-0.65	-0.82-0.25	0.27-0.54	-2.13-3.01	-4.58-7.67	-8.89-8.95	-7.10-7.45	-8.63-9.11	-8.11-6.34	-3.95-3.42	-2.77-3.96	-3.68-0.81	0.851-82	1.740-78	1.313-07	3.121-09	0.420-59	0.30-0.16	-0.370-15	0.450-90
Θ(67.5°)	0.841-15	1.131-59	2.282-05	1.29-1.65	-2.38-0.24	1.301-66	1.10-1.01	-2.11-3.30	-6.69-10.65	-7.37-4.65	-3.98-3.66	-6.12-9.14	-7.60-5.48	-4.34-3.05	-1.80-1.55	-1.29-1.11	-0.27-0.84	-0.93-1.98	-2.85-2.82	-1.16-0.16	-0.79-3.53	-2.260-39	0.260-69	-0.130-03
Θ(75°)	-1.10-1.35	-2.75-4.12	-3.21-2.36	-2.53-3.09	-1.95-0.25	0.540-69	0.04-1.09	0.071-2.4	-0.68-4.84	-8.34-5.86	-7.42-9.20	-14.87-15.44	-9.79-6.75	-5.76-3.92	-2.78-2.28	-3.49-2.72	-1.24-2.30	-3.60-3.13	-3.45-3.83	-1.90-2.39	-3.62-4.61	-2.00-1.04	-0.72-0.51	-1.55-0.96
Θ(82.5°)	-3.84-3.20	-3.12-3.26	-3.21-3.55	-5.54-0.89	2.202-11	0.01-1.68	-1.38-1.68	-0.350-44	-0.09-1.98	-6.97-14.99	-11.10-11.50	-10.84-10.46	-7.31-3.55	-5.67-3.55	-3.67-2.50	-3.79-1.13	-0.85-1.63	-4.27-3.07	-4.47-4.82	-3.16-3.49	-5.94-5.17	-3.73-3.40	-1.01-2.45	-3.29-5.49
Θ(90°)	-8.81-6.80	-7.37-6.21	-4.28-3.54	-3.15-0.11	1.370-36	-1.623-64	-2.19-1.68	-1.330-60	-1.51-3.56	-8.02-13.08	-8.38-7.94	-7.01-8.52	-10.58-13.89	-11.53-7.65	-6.60-3.48	-6.52-3.35	-0.67-0.53	-2.90-1.88	-3.76-3.52	-5.45-1.63	-3.53-0.87	-8.90-5.48	-2.52-3.54	-4.47-9.21
Θ(97.5°)	-10.19-5.82	-5.85-6.75	-5.23-4.42	-2.74-0.32	0.29-0.30	-0.42-0.52	1.001-48	1.832-53	2.551-45	-1.40-3.85	-3.78-3.18	-2.45-3.61	-3.56-7.64	-6.94-7.47	-7.54-7.64	-3.84-2.08	-2.15-2.62	-3.26-2.02	-2.18-5.94	-6.49-2.63	-2.52-7.69	-7.40-6.38	-5.31-6.35	-9.57-9.54
Θ(105°)	-9.22-11.16	-14.88-6.12	-2.16-1.49	-0.661-38	2.371-91	2.232-62	2.292-68	3.883-10	2.060-84	-1.27-0.65	-1.95-4.24	-6.46-8.56	-5.48-7.64	-5.36-7.71	-9.72-8.19	-3.09-1.84	-1.42-1.13	-2.35-0.61	-1.46-4.68	-4.93-5.03	-3.65-6.66	-9.35-4.54	-5.34-5.29	-6.77-7.39
Θ(112.5°)	-7.05-11.05	-6.61-2.88	-1.43-0.38	0.941-16	2.322-71	1.442-37	3.843-56	2.170-86	2.060-37	-4.10-6.17	-5.79-6.97	-4.50-5.67	-6.07-8.03	-6.64-8.54	-8.93-9.91	-4.70-2.62	-1.64-1.29	-1.59-1.38	-2.53-2.15	-4.75-6.73	-3.55-8.42	-11.17-5.97	-7.50-8.21	-6.86-9.83
Θ(120°)	-7.86-9.09	-4.08-2.69	-1.78-2.32	-1.21-0.68	0.602-73	3.312-21	1.630-84	-2.97-1.45	-1.15-0.82	-1.72-2.42	-4.08-4.65	-5.90-5.68	-7.38-7.99	-7.52-8.66	-10.35-11.21	-5.10-3.03	-4.22-3.45	-1.81-1.03	-2.67-3.27	-7.14-6.68	-6.65-8.40	-9.47-5.38	-5.00-5.63	-10.19-10.61
Θ(127.5°)	-7.72-7.25	-8.01-3.02	-6.75-4.43	-1.921-48	2.572-53	2.652-21	1.510-67	-0.261-95	2.95-1.73	-0.33-0.73	-1.65-2.43	-0.69-1.95	-3.10-4.49	-2.26-5.38	-9.45-6.72	-4.07-5.54	-0.89-1.19	-12.48-4.06	-8.12-10.55	-6.62-5.91	-7.52-7.94	-2.97-3.89	-4.96-5.56	-8.84-9.80
Θ(135°)	-11.45-16.72	-13.45-9.81	-9.08-8.23	-5.61-2.90	-0.071-19	2.002-40	0.820-52	3.615-57	4.500-04	1.88-0.00	-1.47-0.87	-1.27-1.90	-2.31-3.12	-1.40-1.12	-1.72-3.20	-4.34-1.09	-11.02-10.77	-10.73-12.56	-13.69-15.57	-7.85-6.99	-5.95-6.95	-7.84-6.49	-4.68-4.57	-8.39-7.10
Θ(142.5°)	-8.06-7.20	-4.97-2.34	-1.18-1.44	-2.77-2.82	-0.600-94	0.880-40	1.662-55	1.870-80	0.850-79	-1.66-5.02	-0.95-5.19	-2.01-3.04	-2.74-6.86	-11.33-9.70	-8.85-8.18	-9.64-6.88	-3.90-6.32	-7.80-15.80	-10.16-12.39	-10.87-8.31	-7.38-7.21	-4.52-5.06	-6.56-7.11	-7.89-8.30
Θ(150°)	-5.46-4.27	-5.05-5.91	-3.68-2.19	-1.45-1.53	-1.170-60	2.172-37	0.450-94	-0.301-31	-0.56-0.14	-1.75-0.45	0.571-32	0.890-17	-1.05-3.70	-2.57-3.25	-2.48-3.52	-2.10-5.60	-4.77-9.97	-8.17-7.46	-10.90-10.74	-11.90-16.39	-10.73-7.80	-9.87-11.26	-4.54-3.74	-4.54-3.74
Θ(157.5°)	-3.48-3.81	-3.41-2.60	-1.80-0.92	-0.100-14	-0.02-0.72	-1.18-0.54	0.922-39	3.403-72	3.112-52	1.922-53	2.902-93	2.232-59	3.613-77	2.581-74	0.32-4.04	-7.19-10.29	-9.71-6.83	-5.42-5.80	-7.57-7.68	-9.14-8.47	-6.45-7.99	-7.96-8.27	-8.89-6.56	-5.11-3.92
Θ(165°)	-1.82-2.48	-2.68-2.01	-1.40-1.44	-2.17-2.79	-2.71-2.31	-1.080-80	2.564-28	4.854-53	3.023-08	1.981-17	-0.27-1.71	-2.10-1.93	-2.33-3.53	-6.25-8.34	-7.89-4.72	-2.96-4.26	-7.97-5.40	-3.00-3.24	-4.87-5.76	-4.61-3.05	-3.99-9.09	-1.76-5.85	-2.60-7.78	-0.25-0.80
Θ(172.5°)	-9.76-8.04	-6.91-6.76	-6.47-5.89	-6.00-4.52	-4.01-2.65	-0.920-37	1.721-80	2.413-08	3.113-00	1.883-53	-1.22-2.91	-5.04-6.87	-8.65-11.14	-13.75-16.34	-16.05-15.33	-12.95-12.68	-12.65-11.08	-11.36-11.67	-10.27-6.63	-4.00-2.06	-1.18-1.12	-1.76-3.23	-5.88-10.78	-14.15-11.56
Θ(180°)	-2.96-3.70	-4.53-4.45	-5.01-5.68	-5.96-5.84	-5.30-4.59	-3.68-2.57	-1.91-1.13	-0.67-0.38	-1.21-1.12	-2.43-2.80	-3.20-3.71	-4.02-4.71	-5.19-5.51	-5.52-6.47	-6.79-7.02	-7.60-7.33	-6.23-5.51	-5.84-6.93	-8.77-9.85	-10.12-8.26	-6.26-5.02	-4.64-4.56	-4.48-4.24	-3.79-3.29
Freq(Hz)	6.475GPol.	TotalAnt.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)Φ(7.5°)	Φ(15°)Φ(22.5°)	Φ(30°)Φ(37.5°)	Φ(45°)Φ(52.5°)	Φ(60°)Φ(67.5°)	Φ(75°)Φ(82.5°)	Φ(90°)Φ(97.5°)	Φ(105°)Φ(112.5°)	Φ(120°)Φ(127.5°)	Φ(135°)Φ(142.5°)	Φ(150°)Φ(157.5°)	Φ(165°)Φ(172.5°)	Φ(180°)Φ(187.5°)	Φ(195°)Φ(202.5°)	Φ(210°)Φ(217.5°)	Φ(225°)Φ(232.5°)	Φ(240°)Φ(247.5°)	Φ(255°)Φ(262.5°)	Φ(270°)Φ(277.5°)	Φ(285°)Φ(292.5°)	Φ(300°)Φ(307.5°)	Φ(315°)Φ(322.5°)	Φ(330°)Φ(337.5°)	Φ(345°)Φ(352.5°)
Θ(0°)	1.691-35	1.251-58	1.881-98	2.082-43	3.033-34	3.413-40	2.922-86	2.873-01	3.984-12	3.653-86	3.973-92	3.843-99	3.873-66	3.573-70	3.803-90	3.803-84	3.884-10	4.184-54	4.504-70	4.604-35	3.903-41	3.092-73	2.592-49	2.302-06
Θ(7.5°)	3.653-45	3.493-47	3.463-50	3.533-84	4.204-38	4.424-60	4.584-46	4.304-20	3.833-69	3.743-48	3.163-07	3.363-13	3.052-89	2.883-07	2.983-15	3.333-52	3.704-04	4.264-44	4.544-80	5.034-74	4.163-95	3.763-70	3.593-47	3.393-58
Θ(15°)	3.213-05	2.972-69	2.512-31	1.751-96	2.192-43	2.893-02	2.672-96	2.232-20	2.052-56	1.371-26	1.110-87	0.530-26	0.531-32	1.832-30	2.787-37	3.863-70	3.833-72	3.964-26	4.544-94	5.054-58	4.514-72	4.804-83	4.644-42	4.233-97
Θ(22.5°)	3.643-28	2.762-61	2.201-62	1.361-70	1.912-14	2.352-29	2.352-23	2.072-12	1.811-65	1.581-09	0.25-0.14	-0.37-0.86	-0.71-0.16	0.310-69	1.111-69	1.942-07	2.542-99	3.473-68	3.563-74	4.063-98	3.663-75	3.883-92	4.104-21	4.264-07
Θ(30°)	4.964-40	3.652-83	1.520-70	0.700-92	1.360-98	0.760-20	-0.110-03	0.410-45	0.410-68	0.62-0.09	-0.72-1.74	-3.34-4.72	-5.17-4.93	-3.87-2.57	-1.120-21	1.502-00	2.262-22	2.182-61	3.373-90	3.543-53	4.134-00	3.833-85	3.663-88	4.574-96
Θ(37.5°)	3.953-38	2.471-74	0.890-77	1.211-63	1.671-29	0.14-1.63	-3.17-3.92	-3.22-3.02	-3.18-2.94	-2.25-2.22	-3.32-5.32	-6.14-5.87	-5.21-4.33	-3.22-0.89	0.520-82	0.36-0.25	0.090-74	1.371-64	1.812-82	4.104-26	3.563-15	2.682-66	2.743-46	4.164-13
Θ(45°)	3.322-84	1.881-51	1.902-03	2.051-77	0.21-1.56	-4.20-5.99	-5.39-3.61	-3.21-5.97	-11.60-9.11	-6.72-6.87	-8.76-10.46	-10.36-8.03	-6.11-4.87	-3.40-2.58	-1.620-32	1.391-76	1.340-61	0.300-61	1.672-73	2.743-05	3.563-66	2.921-24	1.282-29	3.193-38
Θ(52.5°)	2.822-58	1.971-87	1.400-15	-0.98-3.58	-4.01-2.44	-1.																		



Antenna Pattern 6GHz

Appendix E

Θ(15°)	2.15/1.96	2.14/2.37	2.23/2.32	2.15/2.25	2.71/2.96	3.48/3.80	3.92/4.22	3.88/3.90	3.74/4.23	3.46/3.36	3.26/3.38	4.11/3.92	4.16/4.84	5.02/4.86	4.53/4.27	4.04/3.77	3.66/3.58	3.43/3.14	2.63/1.77	1.40/1.26	0.78/0.38	0.17/0.38	1.03/1.53	1.87/2.03
Θ(22.5°)	1.21/1.03	0.44/-0.55	-1.50/-1.61	-1.21/-0.15	0.61/1.10	1.71/2.42	3.14/3.71	3.84/3.64	3.59/3.05	1.97/1.87	2.82/3.46	4.26/4.64	4.73/4.62	4.34/3.90	3.39/3.08	2.65/2.66	2.92/3.30	3.49/3.12	2.38/1.42	0.61/-0.41	-1.42/-1.89	-1.63/-0.80	0.20/1.16	1.58/1.39
Θ(30°)	0.49/-0.30	-2.02/-4.09	-4.25/-2.29	-0.41/0.19	1.66/1.19	0.98/1.15	1.31/2.28	2.46/2.45	3.40/2.82	2.16/1.59	1.69/2.60	3.60/4.13	4.24/4.05	4.40/3.72	3.59/3.08	3.17/3.05	3.59/4.49	4.26/2.52	2.16/0.65	-0.71/-1.23	-1.91/-0.92	-0.38/0.00	0.48/0.50	1.50/1.50
Θ(37.5°)	-2.39/-4.65	-6.24/-4.29	-2.40/-0.57	0.73/1.61	1.54/1.29	1.03/1.48	2.22/2.80	3.24/2.97	1.87/0.90	-0.12/-0.30	0.05/1.79	3.02/3.80	4.30/4.69	4.97/5.12	5.08/4.31	3.45/3.00	2.91/3.42	4.40/5.18	5.08/4.39	3.29/2.31	1.78/0.98	0.03/-0.21	0.26/0.32	-0.59/-1.56
Θ(45°)	-5.56/-4.64	-3.18/-1.69	-1.03/-0.00	1.68/3.03	3.05/2.31	1.02/1.24	1.76/1.71	1.50/0.95	0.12/-1.93	-3.35/-2.42	-0.38/1.35	2.16/2.78	3.89/4.43	5.12/4.53	3.73/3.59	2.65/1.67	1.25/1.48	1.34/0.69	0.33/-0.85	-2.13/-3.40	-2.66/0.66	0.60/0.56	0.50/-0.54	-3.45/-5.68
Θ(52.5°)	-1.90/-1.37	-1.40/-1.82	-1.50/-0.98	0.39/1.31	2.40/2.39	0.75/-1.20	-1.69/-0.22	0.78/-0.58	-2.38/-2.15	-2.80/-3.17	-1.81/1.92	3.47/4.51	4.61/4.28	3.72/3.04	2.79/2.63	2.73/3.53	2.74/1.12	1.20/1.36	1.04/0.80	-0.64/-0.51	-0.23/-0.50	-0.96/0.68	-2.20/-4.21	-4.56/-3.22
Θ(60°)	-1.89/-2.30	-2.37/-2.16	-2.57/-2.03	-1.13/-1.47	-2.18/-2.04	-2.77/-4.47	-5.12/-4.22	-5.01/-5.02	-3.78/-4.22	-4.27/-3.86	-1.15/0.19	1.69/3.39	3.44/2.31	1.79/2.01	2.82/2.90	2.82/3.57	3.10/1.30	-1.45/-1.55	0.31/0.05	-1.62/-1.69	0.72/2.20	2.15/0.45	-1.43/-3.57	-4.32/-2.69
Θ(67.5°)	-3.04/-4.51	-5.90/-5.51	-4.39/-5.24	-6.38/-5.28	-4.46/-3.55	-3.96/-4.80	-4.54/-4.61	-2.87/-2.08	-3.98/-4.39	-4.40/-3.02	-3.19/-0.52	2.10/3.28	2.92/1.33	0.71/1.38	1.42/1.58	2.02/1.64	1.01/-0.29	2.34/1.38	-3.27/-2.75	0.65/1.33	1.53/0.26	-1.84/-3.60	-3.45/-1.97	
Θ(75°)	-8.31/-9.92	-8.67/-6.07	-5.24/-3.49	-3.20/-4.18	-4.81/-4.54	-3.53/-3.75	-3.96/-3.92	-3.20/-5.52	-6.65/-5.80	-4.42/-3.24	-3.38/-3.14	-0.35/1.20	0.05/-0.79	-0.99/-1.70	-2.18/-2.09	-0.92/1.13	1.17/1.54	-1.14/-2.79	-2.91/-1.97	-3.66/-2.39	0.56/1.10	1.08/0.20	-2.65/-3.84	-4.70/-6.74
Θ(82.5°)	-9.26/-9.34	-7.59/-2.83	-2.94/-3.28	-3.11/-2.93	-2.78/-3.96	-6.67/-4.91	-2.88/-1.56	-3.54/-4.68	-4.59/-6.02	-3.52/-1.77	-2.30/-3.82	0.23/1.73	0.27/-0.44	-1.27/-1.73	-1.69/-2.59	-1.27/-0.30	1.38/0.48	-0.99/-0.73	1.20/-1.48	-4.22/-2.42	-0.53/-1.36	-2.74/-1.21	-2.77/-4.19	-4.91/-6.49
Θ(90°)	-15.62/-11.77	-5.82/-3.84	-4.19/-5.23	-3.85/-4.75	-6.15/-6.15	-4.01/-4.73	-4.73/-5.80	-1.92/-0.76	-2.31/-5.33	-4.93/-4.40	-3.68/-5.57	-4.01/-1.80	-1.99/-3.97	-6.30/-4.78	-5.43/-4.12	-1.51/0.30	2.57/2.80	1.63/0.45	0.87/0.88	0.78/0.49	1.28/-0.26	-1.73/-0.81	-4.83/-9.70	-7.72/-6.58
Θ(97.5°)	-9.59/-11.58	-9.86/-8.46	-6.12/-2.76	-3.34/-11.05	-3.02/-2.28	-5.49/-9.33	-6.06/-3.42	-4.14/-2.25	-3.67/-3.35	-3.87/-1.01	-7.36/-5.07	-3.46/-3.31	-4.24/-5.56	-4.83/-8.34	-1.59/-1.89	-2.25/-0.79	2.11/1.15	2.71/2.74	1.87/1.04	1.70/2.60	1.08/0.94	-4.39/-4.31	-4.27/-9.33	-4.99/-2.60
Θ(105°)	-5.83/-5.12	-3.84/-5.28	-5.30/-5.28	-6.82/-6.98	-4.93/-12.53	-8.54/-7.02	-8.99/-7.56	-5.10/-4.54	-3.93/-3.31	-5.70/-8.61	-15.75/-9.62	-8.00/-8.51	-7.13/-5.41	-4.68/-6.25	-4.81/-2.48	-2.20/-0.13	1.93/-0.06	-0.31/1.74	1.26/2.42	2.93/2.17	0.76/1.50	0.48/-3.22	-5.22/-8.47	-5.27/-2.67
Θ(112.5°)	-3.80/-6.09	-9.47/-5.14	-9.16/-8.74	-3.79/-9.38	-1.60/-7.73	-4.73/-8.50	-9.91/-8.93	-4.50/-5.11	-6.01/-6.18	-8.30/-5.80	-8.26/-7.56	-6.07/-7.33	-5.86/-3.72	-4.37/-6.00	-7.38/-7.75	-2.48/-3.13	-1.18/0.13	2.08/2.82	2.48/2.47	1.56/1.87	1.03/1.54	0.53/-3.37	-6.08/-7.09	-6.58/-5.54
Θ(120°)	-3.19/-4.69	-8.03/-4.57	-4.27/-8.81	-4.10/-2.14	-7.16/-10.58	-5.06/-7.16	-8.40/-9.67	-3.25/-4.14	-9.36/-5.24	-5.53/-9.09	-7.27/-5.64	-3.29/-3.29	-5.86/-3.68	-5.24/-10.46	-9.20/-6.84	-1.46/-0.30	0.29/2.30	3.51/2.83	3.15/1.49	1.62/0.97	-1.95/-2.99	-5.15/-3.96	-3.57/-3.48	
Θ(127.5°)	-6.34/-9.52	-7.80/-10.79	-7.79/-16.11	-8.40/-7.93	-10.75/-8.89	-2.87/-4.22	-9.59/-8.48	-3.36/-5.37	-7.73/-6.43	-5.58/-2.62	-2.57/-5.22	-7.93/-5.86	-4.75/-1.93	-1.90/-3.67	-4.98/-4.19	-0.19/1.54	-0.98/-2.97	-1.59/0.48	2.75/2.66	1.66/-0.52	0.77/1.76	0.14/-3.84	-8.80/-8.95	-10.23/-7.57
Θ(142.5°)	-0.69/-1.07	-2.67/-5.19	-6.78/-1.90	1.03/0.73	-0.57/-7.13	-7.38/-6.15	-5.71/-8.09	-5.52/-4.86	-4.14/-6.21	-7.48/-5.19	-5.62/-7.69	-11.86/-11.74	-11.40/-6.75	-3.34/-5.42	-12.69/-6.58	-15.41/-9.24	-2.69/-0.97	-1.24/-0.79	2.94/1.64	-1.70/-3.34	-2.69/-2.40	-8.05/-6.76	-2.94/-1.83	
Θ(150°)	-2.83/-3.60	-1.62/0.08	-6.46/-1.42	-5.83/-9.17	-8.96/-9.24	-8.41/-9.56	-11.34/-7.68	-12.60/-10.09	-5.81/-6.18	-5.40/-6.09	-8.45/-11.46	-14.62/-15.33	-15.10/-11.75	-12.57/-8.47	-10.29/-4.11	1.12/-3.65	-0.19/-0.99	-7.00/-6.45	0.80/0.78	-1.00/-0.58	0.80/0.78	-0.65/-0.58	-2.96/-6.03	-3.52/-2.42
Θ(150°)	-7.22/-5.57	-4.00/-3.71	-2.09/-2.04	-3.34/-4.51	-6.54/-6.75	-4.35/-4.70	-6.86/-8.82	-11.54/-7.83	-4.54/-2.61	-2.91/-2.47	-2.31/-3.43	-4.16/-5.94	-2.93/-3.45	-4.03/-5.64	-7.33/-6.93	-14.29/-3.83	-0.46/-0.73	-0.56/1.37	3.09/1.95	-2.75/-6.71	-4.09/-2.06	-6.75/-10.11	-9.91/-11.92	-13.32/-8.64
Θ(157.5°)	-5.22/-3.31	-1.80/-1.53	-1.13/-0.06	-0.44/-2.33	-4.32/-5.90	-7.87/-10.51	-10.32/-10.91	-11.27/-7.03	-5.11/-4.65	-4.33/-2.80	-2.12/-3.66	-8.90/-9.52	-11.23/-13.92	-7.81/-4.98	-4.57/-8.18	-16.16/-14.10	-7.90/-4.23	-3.20/-0.94	0.37/-2.19	-7.34/-7.75	-5.48/-3.94	-4.61/-6.92	-5.65/-3.46	-3.04/-4.26
Θ(165°)	-1.76/-1.56	-2.90/-3.62	-4.75/-5.98	-7.32/-7.79	-7.47/-6.37	-6.17/-7.67	-9.14/-8.37	-5.60/-3.61	-4.19/-5.40	-7.05/-6.49	-5.32/-4.27	-3.87/-4.17	-5.23/-6.99	-7.44/-6.73	-6.07/-6.66	-7.51/-7.52	-6.30/-5.02	-4.43/-4.63	-5.05/-5.32	-5.11/-4.78	-4.91/-4.95	-5.55/-6.46	-5.92/-4.54	-4.17/-3.37
Θ(172.5°)	-10.14/-10.37	-10.98/-11.24	-9.70/-8.18	-7.14/-8.12	-8.38/-6.62	-6.45/-8.17	-10.07/-10.98	-11.27/-10.71	-10.77/-10.81	-10.76/-10.24	-12.26/-13.95	-13.32/-12.26	-10.95/-8.72	-7.77/-6.98	-5.98/-5.27	-5.29/-4.39	-5.02/-4.52	-3.78/-3.53	-2.75/-1.77	-3.77/-1.89	-3.00/-5.06	-8.62/-13.31	-15.84/-13.10	-11.32/-10.79
Θ(180°)	-4.89/-4.42	-4.48/-6.16	-7.29/-8.42	-8.73/-8.35	-7.30/-6.56	-6.74/-7.97	-9.61/-10.53	-11.44/-12.18	-13.02/-12.37	-12.63/-12.55	-12.24/-11.56	-10.54/-9.65	-9.78/-8.93	-8.92/-9.42	-8.19/-6.74	-6.03/-5.13	-4.20/-3.60	-3.42/-3.24	-2.69/-1.47	-1.42/-2.66	-4.33/-6.37	-7.63/-7.09	-6.39/-5.21	-4.81/-4.75
Freq(Hz)	6.475GPol.	TotalAnt.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	1.45/1.47	1.49/1.27	1.60/2.18	2.43/2.42	2.58/2.25	2.13/2.31	2.08/2.28	2.44/2.31	2.93/2.86	2.19/2.32	2.26/2.02	1.81/1.56	1.68/1.62	1.77/1.98	1.89/2.11	2.29/2.56	2.78/2.84	2.70/2.93	2.97/3.05	2.99/3.06	2.90/2.70	2.49/2.21	1.97/1.87	1.48/1.71
Θ(7.5°)	1.49/1.51	1.28/1.52	1.69/2.14	2.35/2.51	2.83/2.99	3.07/3.13	3.15/3.02	2.93/2.82	2.41/2.26	2.33/2.22	1.95/1.76	2.09/1.91	1.99/2.01	2.00/2.12	2.44/2.57	2.58/2.55	2.50/2.64	2.78/2.73	2.52/2.64	2.63/2.83	2.88/2.86	2.52/2.09	1.90/1.60	1.41/1.61
Θ(15°)	0.61/0.13	0.62/0.41	0.47/0.73	0.57/0.93	1.65/2.22	2.69/3.19	2.91/2.96	1.88/1.55	1.29/2.16	1.34/1.33	1.07/1.17	1.65/1.88	2.19/2.23	2.69/2.85	3.04/3.36	3.27/3.35	3.64/3.59	3.36/3.22	3.21/3.12	3.36/3.54	3.44/3.43	2.97/2.74	2.42/2.13	1.60/1.19
Θ(22.5°)	0.85/0.12	-1.02/-1.80	-2.10/-4.17	-0.48/0.94	1.48/1.55	1.64/1.95	1.79/2.23	2.53/2.78	2.94/3.20	3.29/2.97	2.52/2.64	3.44/3.87	4.11/4.16	3.84/3.28	2.95/2.73	2.74/3.20	3.76/3.83	3.46/3.12	3.02/3.31	2.57/2.04	1.65/1.64	1.70/1.77	1.60/1.27	
Θ(30°)	0.01/-1.33	-2.64/-3.45	-4.36/-4.57	-4.20/-3.49	-2.31/-1.25	0.23/1.58	1.84/1.99	1.74/1.25	1.54/2.10	2.64/2.45	1.52/1.49	2.43/3.35	3.87/3.55	2.80/2.26	1.90/1.69	2.11/2.41	2.92/3.53	3.75/3.35	2.84/1.98	1.08/0.78	0.88/1.08	0.89/0.76	1.03/1.33	1.23/0.77
Θ(37.5°)	-3.82/-3.78	-3.72/-4.81	-5.42/-4.09	-2.83/-1.38	-0.92/-0.34	-0.41/0.45	1.18/1.63	2.35/3.08	3.14/2.84	3.33/3.30	2.87/2.55	2.99/3.65	3.75/3.58	3.52/3.05	1.99/-0.17	-0.74/0.77	3.09/4.51	4.08/2.56	1.05/0.93	1.24/2.03	2.28/1.94	1.44/1.20	1.01/0.39	-1.28/-2.91
Θ(45°)	-2.70/-2.75	-3.25/-3.79	-4.59/-3.44	-3.48/-2.73	-1.73/-0.08	-0.51/-1.27	-1.25/-0.75	-0.63/-0.57	0.20/1.13	0.96/0.39	0.04/1.41	2.50/2.35	2.40/2.86	3.75/3.15	0.96/-1.31	-3.43/-3.18	-0.86/-0.14	-0.91/-0.73	0.03/0.08	-0.75/-1.84	-2.19/-1.41	-0.31/0.16	-0.49/-2.06	-4.69/-4.19
Θ(52.5°)	-3.87/-3.45	-2.96/-2.85	-3.91/-5.56	5.06/-1.71	0.71/-1.83	-2.57/-1.74	-2.17/-3.45	-2.78/-1.51	-1.26/-1.85	-1.42/-1.74	-1.66/0.42	2.10/3.54	3.20/2.30	2.23/2.54	2.73/2.36	0.52/-0.28	-0.98/-1.88	-1.55/-2.26	-4.32/-4.00	-3.01/-4.97	-5.67/-3.87	-3.16/-2.81	-1.45/-2.14	-4.50/-6.39
Θ(60°)	-2.64/-0.68	-1.44/-3.17	-4.21/-2.00	-0.88/-2.20	-3.35/-2.80	-4.25/-6.31	-7.45/-5.49	-4.22/-4.70	-4.10/-4.82	-6.32/-5.52	-3.71/0.04	1.95/2.84	3.01/2.03	1.22/1.79	1.94/1.60	1.70/1.85	0.97/-0.75	-0.45/-1.36	-3.16/-2.81	-3.57/-7.38	-12.85/-9.35	-3.73/-1.99	-2.78/-4.27	-6.28/-5.80
Θ(67.5°)	-5.54/-5.77	-4.41/-2.67	-2.34/-1.90	-2.07/-1.93	-3.90/-3.98	-5.40/-10.72	-7.30/-6.72	-9.01/-5.94	-2.92/-7.84	-6.87/-6.39	-6.83/-2.22	1.74/3.59	2.08/0.78	1.73/1.51	0.28/-1.70	-1.84/0.74	-1.18/-2.09	-1.73/-5.42	-5.64/-4.64	-1.98/-3.82	-9.23/-7.19	-5.13/-4.17	-2.54/-5.41	-6.42/-5.18
Θ																								



Antenna Pattern 6GHz

Appendix E

Θ(67.5°)	-1.76/-1.98	-0.65/-0.14	1.25/-1.66	2.62/-2.65	1.79/-1.56	0.94/-0.29	1.02/-27	4.01/-3.61	2.22/-1.43	0.25/-0.09	0.64/-1.75	2.10/-1.89	0.78/-1.62	-2.41/-4.76	-5.27/-4.77	-1.67/-0.01	0.54/-0.27	-1.07/-0.39	0.23/-0.95	-1.37/-1.45	-2.95/-4.67	-7.98/-10.72	-5.53/-3.91	-2.61/-2.33
Θ(75°)	-1.31/-0.61	-0.85/-1.20	-1.05/-1.31	0.28/-1.46	0.48/-0.46	1.12/-0.73	1.96/-1.45	4.88/-3.92	3.01/-2.11	-0.53/-1.48	-1.40/-1.05	2.79/-0.30	0.95/-1.97	-2.46/-1.67	-2.00/-1.56	-0.95/-1.47	0.79/-0.06	-1.43/-0.68	-0.50/-0.65	-1.23/-2.00	-2.26/-2.28	-1.21/-1.91	-1.53/-0.12	0.75/-0.45
Θ(82.5°)	-0.28/-0.78	1.35/-1.70	0.31/-1.52	-0.91/-0.62	0.27/-1.14	1.05/-0.65	-0.86/-1.29	1.89/-1.66	1.39/-0.68	-0.16/-1.82	-2.11/-1.11	2.87/-2.53	0.03/-1.93	0.37/-2.30	1.22/-1.16	-0.88/-5.49	-3.96/-4.27	-4.70/-3.14	-1.77/-2.95	-2.05/-1.24	0.20/-0.98	0.47/-1.20	-2.55/-1.87	-2.03/-0.69
Θ(90°)	1.10/-0.78	0.72/-0.94	0.30/-0.64	-0.33/-0.05	-0.64/-0.18	-1.49/-3.53	-2.54/-1.33	2.41/-1.45	3.77/-2.29	1.23/-0.96	-1.23/-1.58	2.75/-2.49	0.19/-0.03	2.46/-3.05	1.13/-1.34	-0.79/-3.28	-11.62/-9.60	-8.49/-15.00	-4.80/-3.66	-2.46/-0.51	1.36/-2.00	0.95/-0.68	0.14/-0.49	0.52/-1.44
Θ(97.5°)	1.09/-0.53	1.34/-1.98	1.51/-0.10	-2.48/-0.30	1.86/-6.11	0.13/-4.93	-4.61/-2.09	-1.47/-0.57	0.46/-0.21	-0.02/-1.11	-1.58/-1.72	3.25/-1.35	-0.04/-0.09	2.88/-3.18	2.50/-1.66	1.36/-0.62	-2.53/-5.84	-3.52/-3.98	-0.91/-1.98	1.92/-2.47	-0.19/-0.72	0.24/-1.00	0.52/-1.08	
Θ(105°)	0.98/-1.60	2.96/-3.32	2.40/-0.14	-2.34/-0.23	1.26/-1.20	-5.66/-11.00	-6.63/-3.12	-2.14/-0.86	-0.35/-1.50	1.04/-1.18	-0.84/-0.17	2.05/-0.03	-1.23/-0.10	3.42/-1.65	-0.97/-0.57	2.28/-2.35	0.97/-0.32	0.20/-0.74	-1.64/-1.75	-1.29/-2.26	3.13/-0.77	1.86/-0.48	0.10/-1.83	0.58/-1.14
Θ(112.5°)	-1.13/-3.68	0.77/-1.33	1.10/-1.79	-4.90/-7.33	-4.84/-3.86	-2.44/-1.11	1.04/-0.49	-0.29/-1.01	-0.58/-0.46	-0.47/-1.50	-3.86/-3.00	0.50/-0.09	-0.48/-0.19	4.85/-2.69	-0.63/-1.65	2.19/-2.46	2.13/-1.20	2.32/-0.75	-3.52/-3.25	-1.15/-0.92	-0.30/-0.16	0.70/-0.43	0.46/-2.65	1.90/-0.94
Θ(120°)	-4.93/-5.64	-2.07/-0.16	0.81/-0.31	-3.53/-4.67	-2.92/-0.76	-1.69/-3.42	-2.13/-2.52	-2.62/-1.00	-0.87/-2.63	-2.70/-7.23	-5.71/-2.55	-3.64/-7.94	-6.91/-0.92	-0.96/-3.33	-8.27/-7.87	-1.52/-1.88	2.10/-0.24	-0.58/-0.34	-4.68/-4.67	-2.72/-2.43	-1.14/-0.73	1.01/-1.58	-3.42/-0.53	-1.34/-3.90
Θ(127.5°)	-6.57/-4.87	-0.48/-1.57	1.33/-0.21	-0.08/-1.64	1.83/-0.36	-0.87/-1.95	-3.01/-2.71	-1.67/-0.79	-1.61/-0.86	-2.75/-4.13	-5.16/-4.09	-4.78/-10.71	-10.68/-7.02	-4.87/-14.47	-10.62/-11.24	-4.32/-1.33	-1.91/-7.23	-5.06/-4.88	-7.93/-7.47	-3.41/-4.06	-6.61/-2.56	-3.77/-6.45	-4.73/-0.53	0.89/-1.09
Θ(135°)	-3.61/-10.19	-9.01/-3.07	-2.16/-2.13	-2.21/-1.45	-0.61/-1.28	-2.84/-2.80	-2.29/-3.41	-3.72/-3.82	-3.79/-5.04	-8.75/-6.48	-3.15/-2.71	-4.27/-8.63	-9.68/-9.95	-4.92/-6.77	-13.15/-9.29	-12.00/-9.38	-7.91/-7.37	-9.86/-10.39	-11.62/-10.59	-4.67/-7.47	-8.97/-5.73	-8.30/-8.40	-13.25/-5.57	-1.79/-0.76
Θ(142.5°)	-7.12/-5.45	-5.13/-4.80	-3.81/-1.90	-0.75/-1.47	-3.05/-3.04	-2.00/-1.94	-3.36/-7.65	-12.66/-11.25	-6.26/-4.53	-7.97/-5.98	-3.18/-0.47	-0.73/-0.96	-3.16/-1.49	-1.11/-3.34	-3.31/-4.31	-4.58/-8.21	-11.45/-8.44	-9.17/-6.00	-5.80/-7.80	-10.15/-6.06	-5.86/-4.11	-2.63/-6.10	-4.37/-4.91	-7.65/-13.24
Θ(150°)	-5.23/-5.53	-1.67/-2.27	-1.71/-2.22	-4.48/-1.18	-0.12/-0.33	-1.43/-2.43	-6.07/-5.15	-0.02/-2.58	-3.88/-6.19	-10.14/-10.02	-5.50/-3.23	-7.38/-5.61	-11.38/-8.78	-2.05/-0.72	-2.47/-2.14	-5.79/-10.00	-10.22/-4.61	-2.82/-2.14	-3.70/-7.34	-17.15/-5.03	-8.31/-11.22	-9.21/-5.21	-6.18/-5.00	-2.61/-3.09
Θ(157.5°)	-3.74/-2.37	-2.77/-3.86	-4.01/-3.58	-3.54/-4.40	-5.24/-4.33	-2.19/-0.09	1.15/-1.08	0.41/-0.54	-1.76/-3.07	-4.25/-2.95	-1.71/-1.52	-2.49/-3.17	-5.72/-9.37	-4.65/-2.89	-4.29/-6.85	-14.84/-8.02	-4.78/-6.15	-6.58/-6.14	-7.60/-8.95	-8.47/-14.29	-14.84/-9.59	-7.87/-5.35	-4.82/-5.06	-7.67/-8.06
Θ(165°)	-4.99/-4.14	-5.18/-6.25	-6.60/-6.05	-5.39/-4.77	-4.45/-3.29	-2.42/-2.25	-2.59/-2.62	-2.79/-3.15	-4.83/-5.26	-6.08/-5.98	-5.99/-7.41	-10.85/-13.84	-10.94/-8.04	-6.25/-5.65	-6.90/-8.19	-13.80/-15.18	-8.86/-7.89	-9.77/-15.02	-15.37/-11.01	-9.14/-15.01	-10.25/-6.12	-4.37/-4.91	-7.65/-13.24	-13.29/-8.08
Θ(172.5°)	-15.31/-13.70	-12.70/-13.33	-13.63/-12.84	-1.11/-10.04	-8.42/-6.95	-6.07/-5.15	-11.19/-10.04	-4.86/-5.17	-6.37/-7.89	-11.13/-13.49	-13.86/-13.43	-11.66/-12.82	-12.45/-12.88	-12.32/-12.87	-13.17/-14.01	-13.01/-11.42	-8.53/-6.64	-5.61/-5.03	-5.20/-6.21	-8.71/-13.53	-15.21/-14.24	-14.18/-13.87	-13.86/-14.32	
Θ(180°)	-9.18/-10.58	-10.72/-9.11	-10.11/-11.54	-10.17/-8.57	-7.76/-6.92	-6.40/-6.76	-7.14/-6.77	-6.52/-6.27	-6.82/-6.50	-7.54/-8.25	-8.55/-8.44	-8.26/-7.79	-7.39/-7.14	-6.59/-6.20	-6.10/-6.32	-6.38/-6.55	-6.19/-5.82	-5.70/-6.32	-7.62/-8.66	-9.62/-9.93	-9.49/-9.09	-6.92/-6.40	-7.16/-8.25	-9.11/-8.94
Freq(Hz)	6.4750GPol.	TotalAnt. 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)Φ(7.5°)	Φ(15°)Φ(22.5°)	Φ(30°)Φ(37.5°)	Φ(45°)Φ(52.5°)	Φ(60°)Φ(67.5°)	Φ(75°)Φ(82.5°)	Φ(90°)Φ(97.5°)	Φ(105°)Φ(112.5°)	Φ(120°)Φ(127.5°)	Φ(135°)Φ(142.5°)	Φ(150°)Φ(157.5°)	Φ(165°)Φ(172.5°)	Φ(180°)Φ(187.5°)	Φ(195°)Φ(202.5°)	Φ(210°)Φ(217.5°)	Φ(225°)Φ(232.5°)	Φ(240°)Φ(247.5°)	Φ(255°)Φ(262.5°)	Φ(270°)Φ(277.5°)	Φ(285°)Φ(292.5°)	Φ(300°)Φ(307.5°)	Φ(315°)Φ(322.5°)	Φ(330°)Φ(337.5°)	Φ(345°)Φ(352.5°)
Θ(0°)	-8.08/-8.32	-7.91/-8.05	-8.28/-7.79	-7.62/-7.25	-6.79/-6.85	-6.54/-5.98	-5.64/-5.88	-6.22/-5.74	-6.09/-6.36	-7.27/-7.88	-8.63/-9.63	-9.62/-9.53	-9.24/-8.43	-7.73/-7.64	-7.70/-8.13	-9.63/-10.34	-10.69/-11.05	-10.66/-9.60	-8.82/-8.52	-8.03/-7.85	-8.25/-8.38	-8.67/-9.32	-8.67/-8.40	-9.18/-8.54
Θ(7.5°)	-10.38/-10.82	-10.27/-11.29	-11.58/-10.24	-9.24/-9.25	-9.63/-9.74	-9.42/-9.78	-9.25/-9.32	-9.42/-9.60	-10.22/-9.99	-9.54/-9.65	-10.06/-9.90	-9.67/-9.97	-9.46/-8.63	-8.06/-7.72	-6.23/-5.91	-5.63/-5.59	-5.46/-5.47	-4.98/-4.64	-4.21/-3.97	-3.68/-3.64	-3.80/-4.34	-5.02/-5.59	-5.82/-7.01	-8.57/-8.78
Θ(15°)	-9.98/-9.79	-11.64/-11.93	-12.06/-10.66	-9.73/-9.36	-8.47/-7.78	-7.89/-9.00	-8.25/-9.61	-11.00/-12.91	-10.34/-15.63	-15.08/-14.80	-13.56/-12.68	-11.23/-10.42	-8.99/-7.65	-6.29/-5.45	-4.71/-3.42	-2.48/-1.68	-0.97/-0.16	-0.12/-0.21	-0.67/-1.48	-2.95/-4.11	-4.78/-6.16	-7.81/-7.87		
Θ(22.5°)	-6.25/-6.63	-6.69/-6.35	-6.07/-5.55	-5.64/-5.60	-5.47/-6.05	-6.22/-6.20	-6.36/-6.31	-6.59/-7.76	-9.35/-10.10	-10.58/-11.92	-12.94/-12.52	-9.44/-7.35	-6.00/-4.74	-3.96/-2.99	-2.35/-2.01	-1.65/-1.35	-1.10/-0.69	0.08/0.58	0.46/0.37	-0.06/-0.97	-2.10/-2.74	-3.05/-3.24	-4.20/-5.05	-6.10/-6.57
Θ(30°)	-3.43/-3.81	-4.16/-4.73	-4.77/-4.77	-5.49/-6.30	-6.85/-7.11	-7.07/-7.60	-7.53/-6.91	-6.55/-6.99	-8.32/-10.76	-7.82/-6.15	-4.75/-2.92	-1.23/-0.39	-0.47/0.88	0.88/0.63	0.87/0.65	0.45/0.05	-0.41/-0.46	0.02/-0.09	-1.10/-1.98	-1.64/-1.24	-0.69/-0.03	0.65/0.34	-0.77/-2.27	
Θ(37.5°)	1.15/-0.07	-0.44/-1.06	-0.90/-1.37	-2.37/-4.06	-7.51/-10.97	-5.37/-3.09	-2.11/-3.02	-5.30/-6.39	-4.52/-2.36	0.63/2.27	3.03/3.71	3.99/-3.52	2.26/0.61	-0.95/-0.95	0.01/0.89	1.15/1.12	-0.09/-1.62	-2.58/-3.68	-2.05/-0.37	1.32/1.75	2.14/2.21	2.12/1.74		
Θ(45°)	0.13/-0.41	-0.34/-0.14	0.34/0.57	0.10/-1.25	-3.49/-5.05	-5.48/-4.50	-4.00/-2.97	-2.06/-2.85	-3.71/-3.64	-2.32/-1.46	-1.76/-1.94	-0.93/0.35	1.32/2.09	2.45/2.92	3.18/2.49	1.13/-0.99	-2.55/-3.06	-4.65/-5.71	-4.51/-2.38	-1.64/-1.03	-0.34/-1.17	3.19/3.70	3.50/3.21	2.15/0.76
Θ(52.5°)	0.51/0.83	0.02/-0.19	-0.83/-0.55	0.19/-0.31	-1.53/-1.79	-0.59/-0.45	-1.27/-0.05	1.19/0.59	-0.33/-0.01	1.14/0.02	-1.73/-1.90	-1.09/-0.10	-1.23/-2.00	-1.62/-1.04	-0.54/-0.35	-0.95/-1.00	-0.90/-1.99	-2.81/-3.76	-2.65/-0.95	0.45/0.65	0.48/1.34	1.21/1.23	1.00/0.42	-0.29/-0.52
Θ(60°)	0.88/-1.66	1.52/-0.06	-1.49/-0.77	0.89/0.66	-0.21/0.08	-0.07/-0.90	-1.94/0.38	1.37/0.20	-0.33/-0.37	-0.89/-2.79	-4.55/-3.15	-0.85/-0.69	-0.88/-1.82	-4.66/-5.34	-4.60/-3.89	-2.93/-1.13	0.03/-0.64	-2.33/-3.68	-3.75/-4.14	-1.79/-0.98	-2.32/-3.58	-0.86/-1.12	-1.70/-1.35	-1.55/-0.07
Θ(67.5°)	0.74/-1.27	0.78/-0.90	-3.04/-2.69	0.28/-1.2	1.78/0.75	0.46/0.51	1.13/2.03	2.76/2.38	2.15/-1.42	-0.47/-2.03	-1.57/-1.54	-1.44/-0.38	-0.73/-1.97	-1.12/-2.25	-0.89/-1.09	1.13/0.62	-0.71/-0.72	-1.56/-2.07	-0.91/-1.60	-3.72/-4.97	-5.73/-4.53	-2.69/-1.63	-3.83/-0.89	
Θ(75°)	1.70/-2.16	2.70/-1.60	-0.31/-1.35	0.58/-2.56	2.41/0.64	-1.05/-2.79	-3.33/-2.59	0.23/-1.17	0.09/-2.03	-2.64/-1.12	-0.21/-0.13	0.48/-1.19	1.73/0.10	-1.66/-5.51	-3.11/-2.43	1.44/0.70	-0.32/0.32	0.21/0.13	-0.91/-2.13	-3.87/-3.62	-5.74/-5.15	-2.64/-0.90	-0.12/-0.70	
Θ(82.5°)	0.10/-1.99	2.82/2.03	0.27/-0.62	0.40/-1.84	0.75/-3.18	-6.67/-5.68	-3.80/-1.78	2.65/2.44	1.33/0.53	0.39/-0.39	-2.53/-1.05	1.43/3.21	2.99/-1.35	-2.14/-1.90	-3.50/-3.69	-2.75/-3.94	-0.92/-1.06	-0.39/-0.82	-0.92/-0.78	-3.37/-4.21	-0.80/-4.00	-0.43/-1.95	-0.52/0.51	1.07/0.41
Θ(90°)	0.35/-1.19	2.99/-2.99	0.65/-3.47	-3.58/-0.54	-0.08/-3.43	-5.62/-5.92	-6.87/-7.61	-2.42/-1.79	-0.29/-0.09	-0.50/-1.02	-0.90/-0.73	1.86/2.29	1.70/0.45	-0.36/-1.10	-0.09/-1.29	-1.70/-10.55	-9.09/-12.38	-6.23/-4.00	-2.33/-2.86	-3.54/-4.28	-0.60/-0.41	-1.53/-3.06	-2.34/-0.24	0.92/0.85
Θ(97.5°)	1.53/-2.29	3.84/-1.00	-0.12/-4.66	-3.07/-1.40	-2.18/-3.09	-3.94/-2.77	-4.02/-3.50	0.59/0.61	1.36/0.74	0.30/-0.63	-1.80/-1.82	-0.81/-0.39	-0.47/-0.27	2.97/2.08	0.43/0.62	-0.45/-2.96	-5.24/-3.97	-1.93/-1.17	-7.99/-7.78	-5.77/-3.63	-0.47/-2.46	0.54/-0.90	0.67/0.91	1.78/-1.88
Θ(105°)	0.48/-1.82	2.92/3.73	2.04/-1.02	-2.86/-0.32	-0.65/0.13	-1.57/-3.81	-5.52/-5.94	-7.75/-5.06	-4.22/-1.56	-3.92/-1.31	-2.16/-2.44	-0.53/-1.94	-0.66/-2.18	1.97/1.11	0.03/-0.03	1.91/-0.99	0.63/-0.68	0.39/-1.44	-0.79/-0.44	-1.21/-1.23	-1.47/-0.07	-0.78/-1.98	2.30/-1.35	
Θ(112.5°)	-0.75/-1.20	2.50/2.31	0.86/-0.82	-2.42/-1.64	-3.01/-4.94	-6.94/-3.08	-2.35/-1.74	-0.79/-1.53	1.51/2.00	-0.31/-2.86	-0.85/-2.55	-4.25/-0.95	1.83/-0.55	-2.27/-0.14	1.24/-1.96	-0.05/-0.61	-0.39/-0.33	0.80/-0.56	0.44/-1.52	2.31/3.44	1.20/-3.71	-1.65/-1.79	2.39/0.60	
Θ(120°)	-5.34/-6.76	-3.68/-2.98	-1.77/-4.94	-3.78/-5.15	-2.40/-2.10	-2.95/-2.93	-3.91/-2.78	-1.67/-2.41	-0.96/-2.68	-0.85/-1.28	-4.01/-4.84	-2.24/-6.61	-8.56/-2.83	-0.21/-3.48	-5.37/-4.08	-0.50/-0.86	-1.54/-4.66	-4.88/-0.68	-1.82/-1.46	-2.13/-3.16	-1.31/-0.16	-2.35/-10.65	-4.40/-1.85	-2.00/-3.42
Θ(127.5°)	-8.75/-8.33	-4.4																						

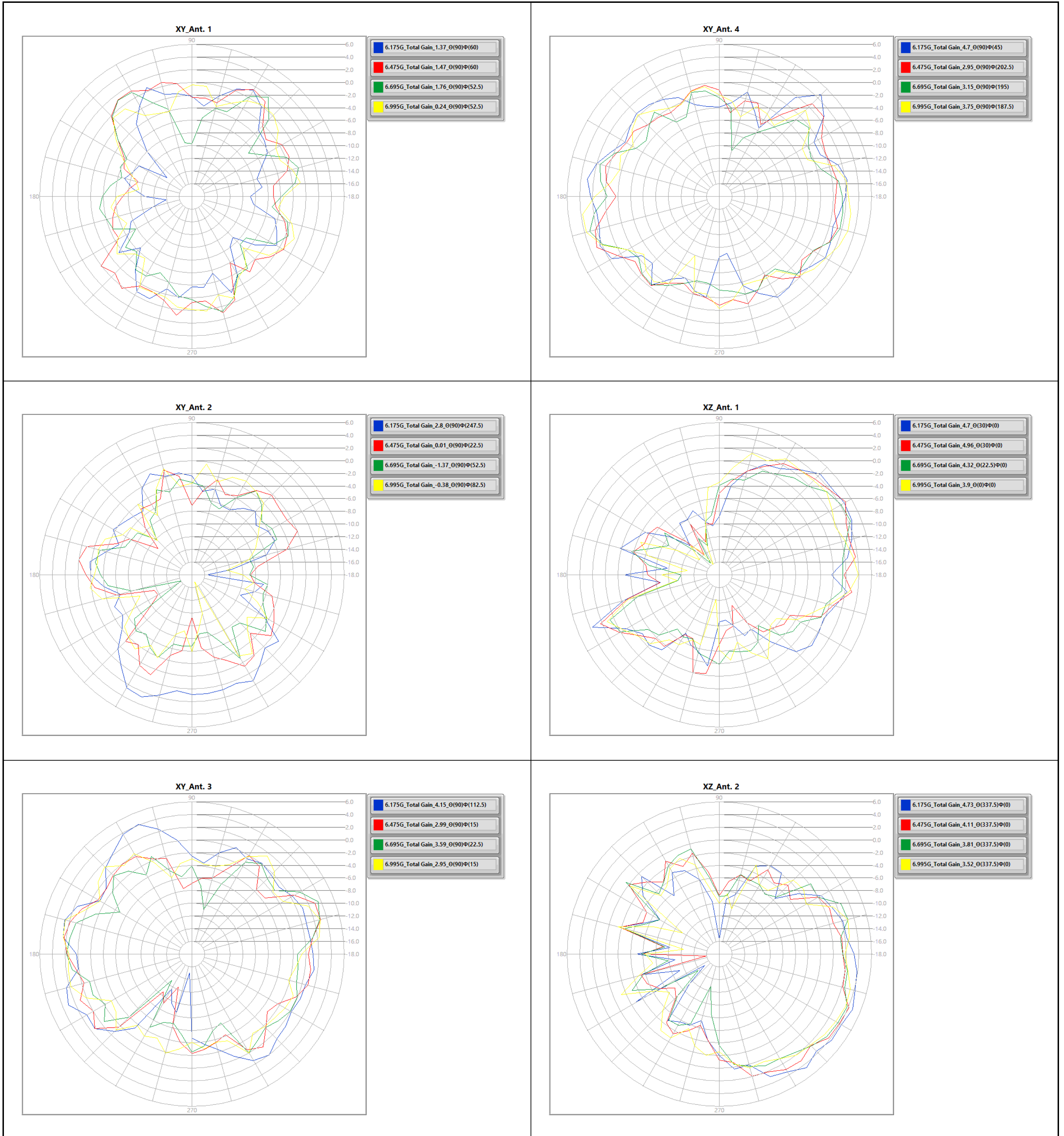


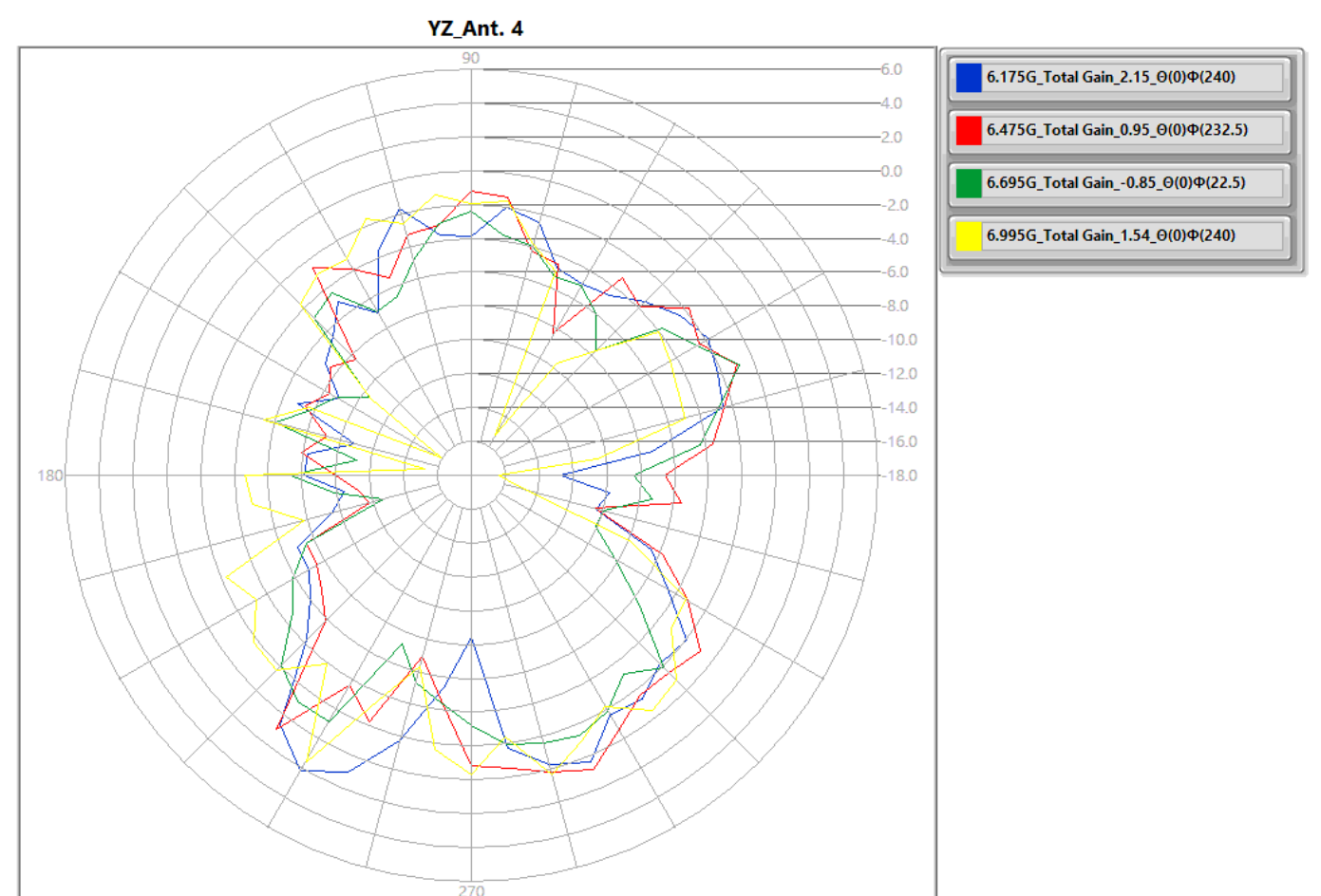
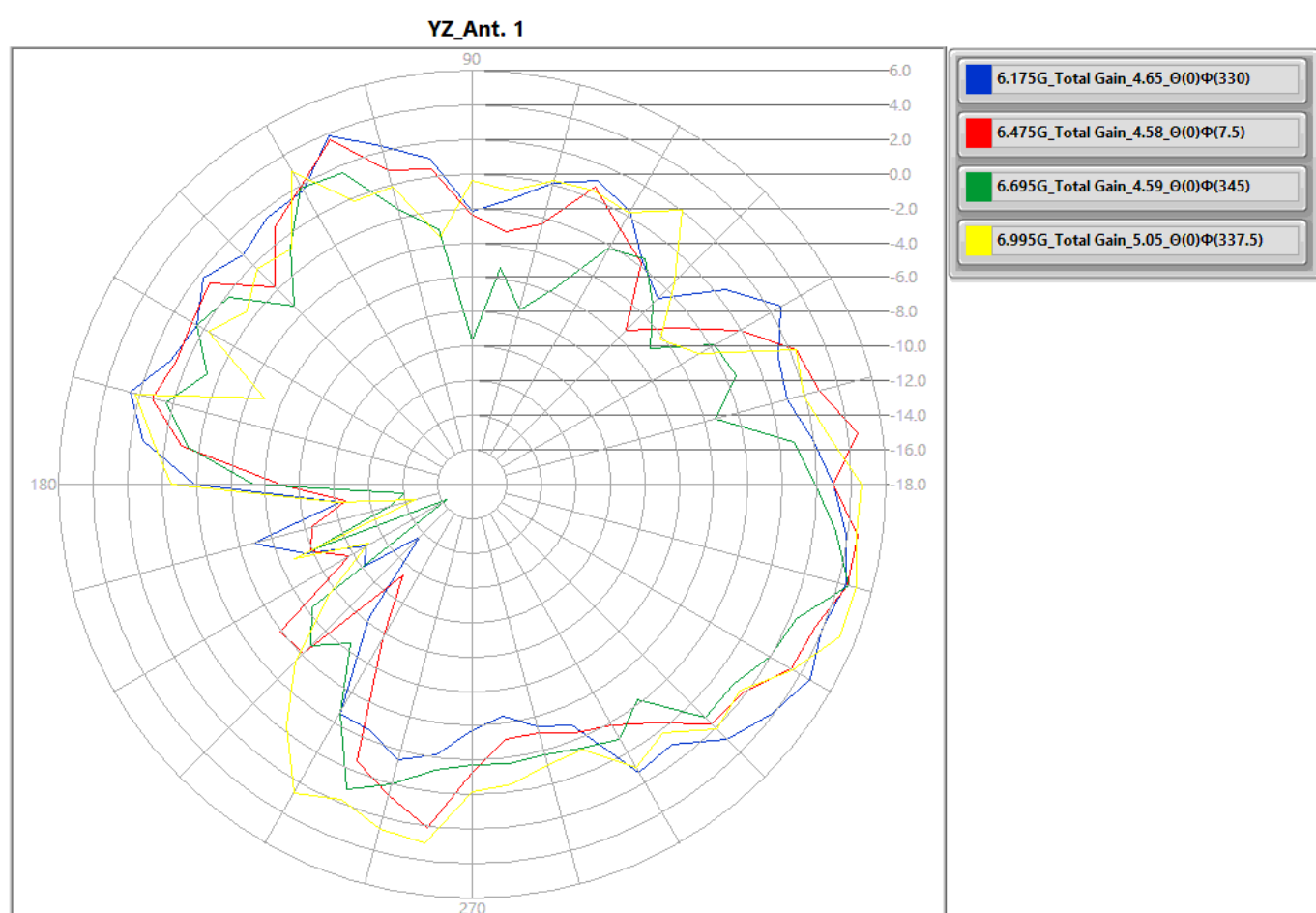
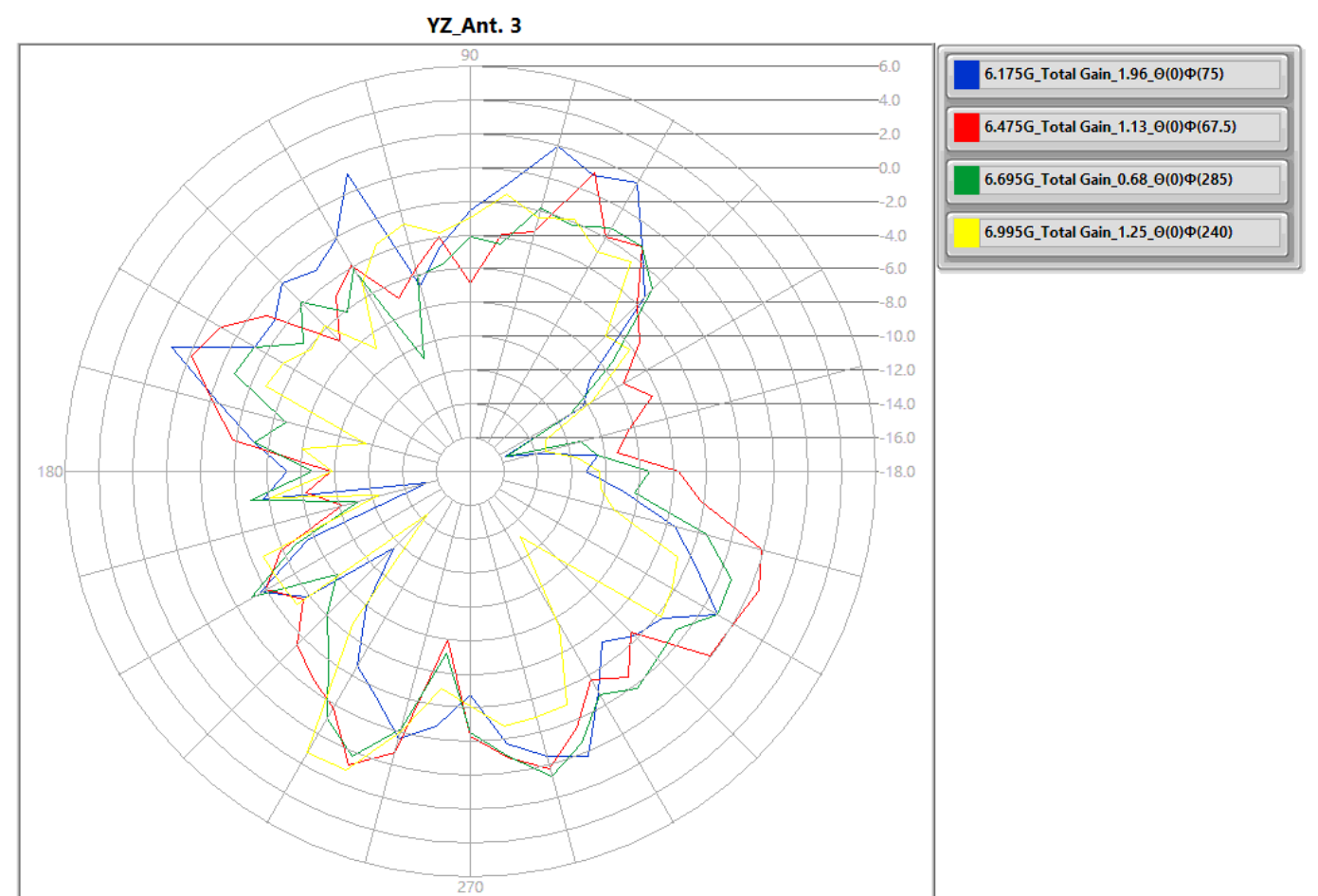
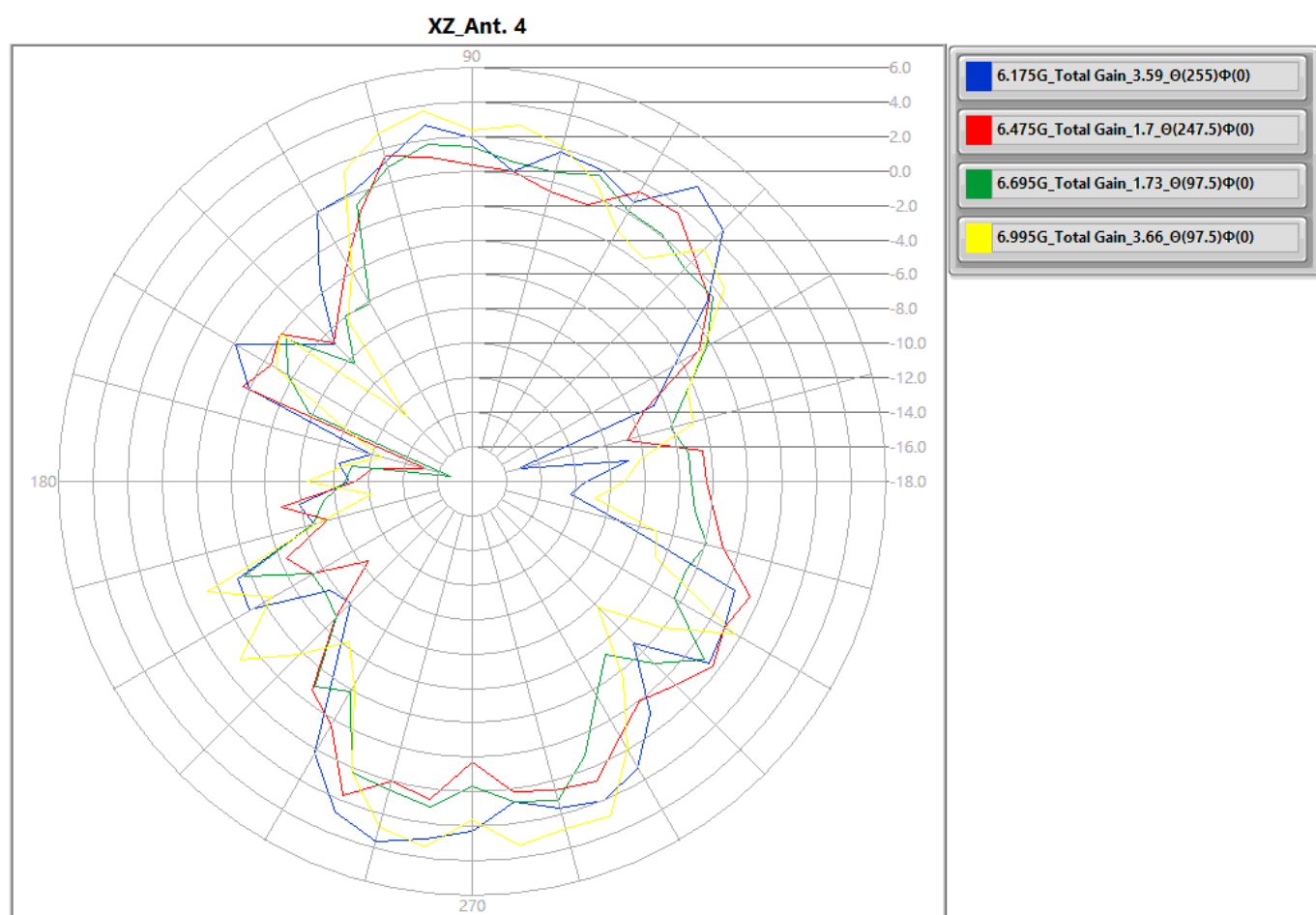
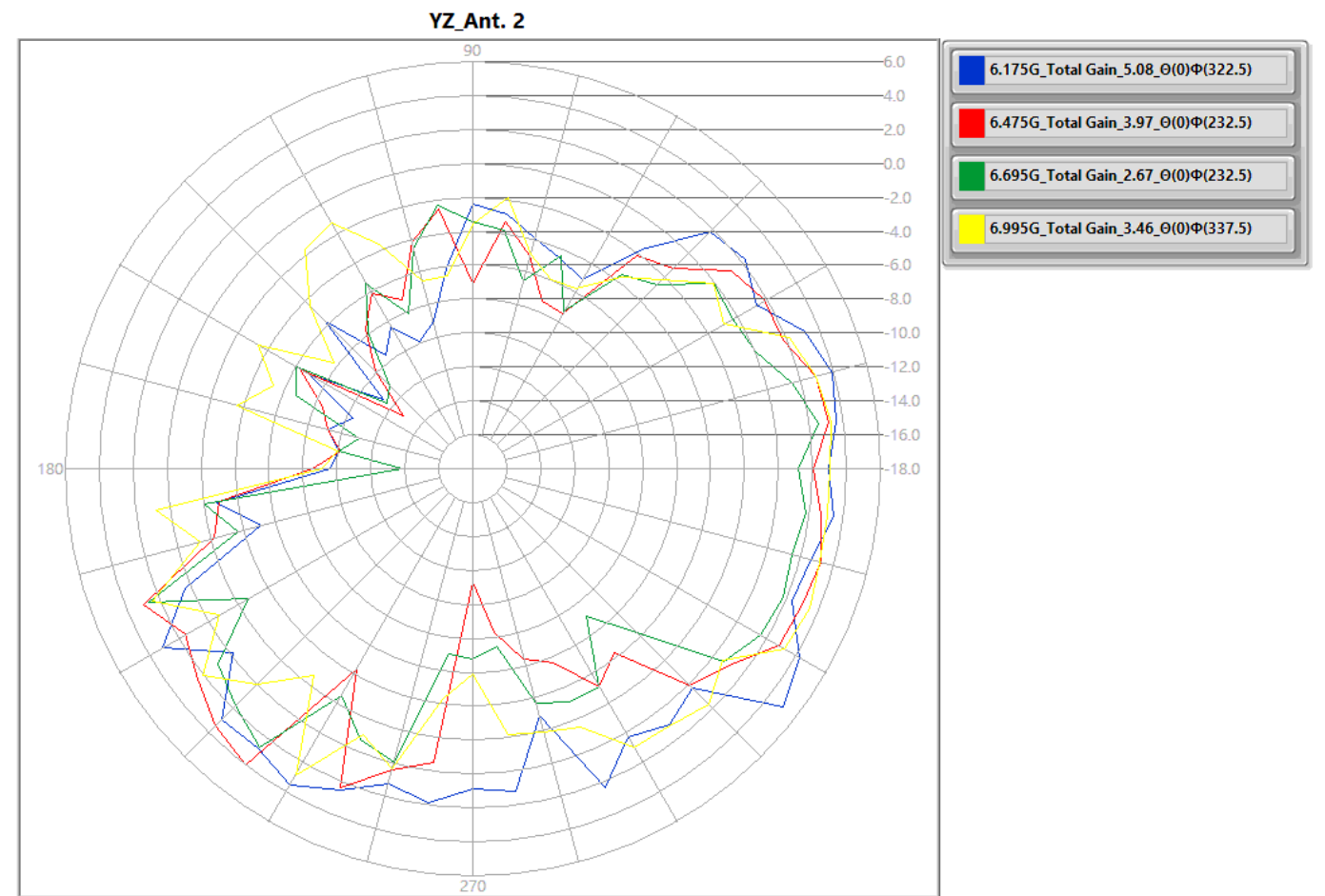
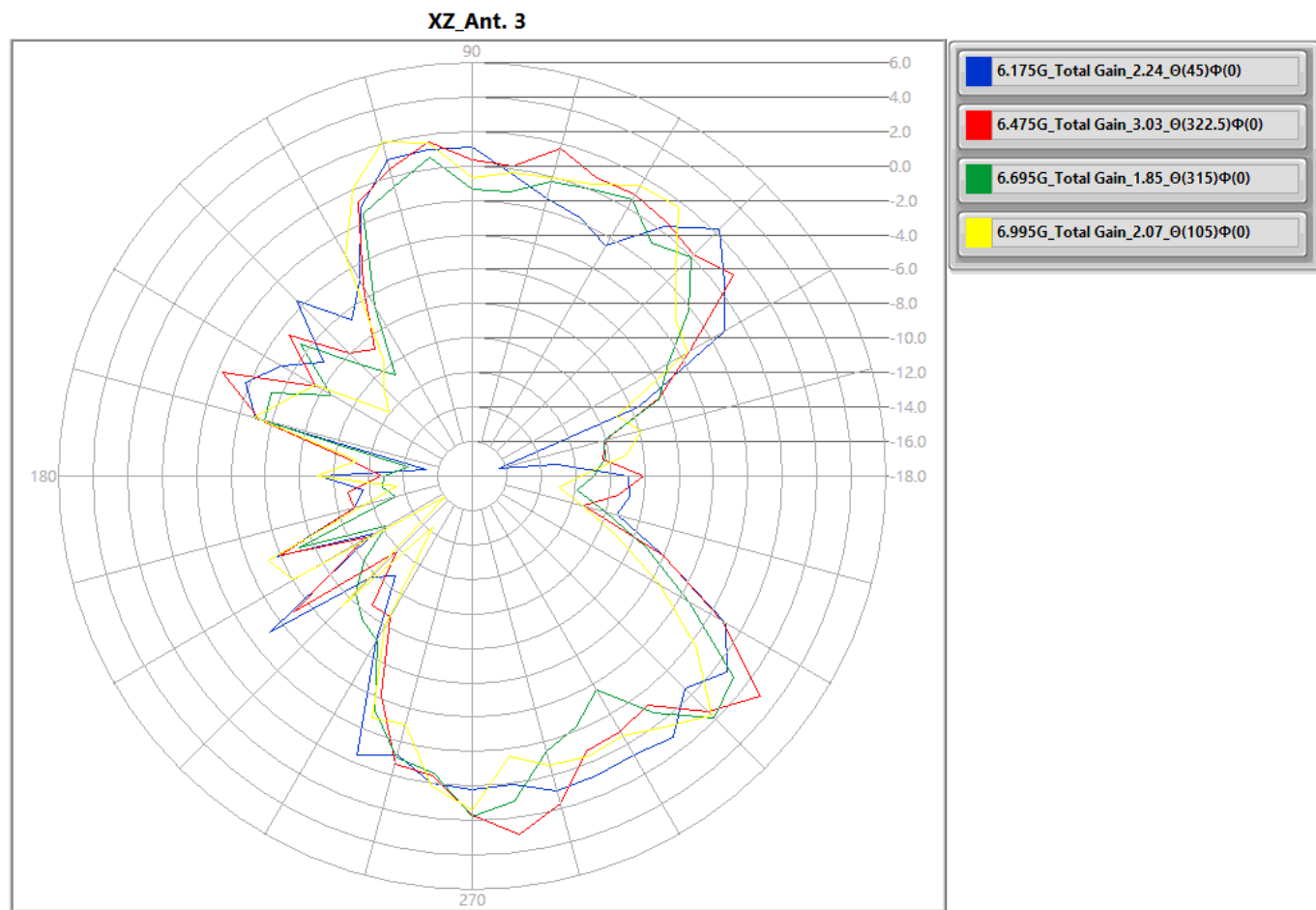
Antenna Pattern 6GHz

Appendix E

Θ(112.5°)	0.150/27	0.96/0.35	-4.86/-5.21	-4.14/-7.41	-9.15/-5.73	-1.36/-3.19	-3.70/-3.98	-4.01/-0.85	0.61/0.78	-4.03/-9.35	-3.76/0.61	3.22/2.46	2.78/3.94	3.90/3.88	3.60/1.02	-3.33/-2.38	1.47/0.66	-2.85/-4.80	1.01/4.49	4.01/2.39	2.61/1.86	0.05/-0.09	-0.86/-2.23	-2.94/-1.80
Θ(120°)	0.02/0.02	-1.01/-0.94	-5.09/-9.39	-7.45/-6.57	-7.25/-3.75	-1.15/-4.89	-6.97/-4.31	-1.53/-2.12	-3.08/-2.72	-6.07/-6.76	-4.84/-0.91	1.58/1.47	0.23/-4.63	-5.18/-2.89	-3.78/-4.62	-4.25/-0.45	1.49/-0.98	-3.00/-2.90	2.15/3.67	2.55/2.59	1.74/1.54	0.09/-1.10	-1.82/-5.43	-6.52/-2.92
Θ(127.5°)	-3.50/-1.59	-4.36/-5.78	-4.77/-2.60	-3.15/-5.63	-6.82/-2.26	-0.66/-2.95	-5.12/-2.13	-1.97/-1.50	-5.66/-5.28	-8.86/-7.66	-5.85/-3.90	-5.14/-5.28	-6.80/-8.34	-6.85/-4.05	-3.52/-0.69	-0.35/-1.72	-4.43/-3.80	0.57/2.57	1.87/1.13	-1.14/-1.64	0.06/-0.62	-3.62/-4.96	-6.41/-5.33	
Θ(135°)	-6.71/-5.63	-7.18/-9.28	-8.28/-1.92	-1.30/-2.10	2.89/-2.98	-3.25/-4.25	-6.46/-5.00	-1.68/-1.88	-5.97/-6.66	-6.06/-6.67	-11.30/-10.97	-10.53/-9.54	-7.97/-2.96	-2.72/-8.37	-10.56/-7.02	-7.67/-5.23	-6.17/-7.39	-2.98/-9.32	-4.27/-0.57	-2.56/-5.62	-5.48/-2.31	-2.61/-3.85	-8.94/-7.22	-2.53/-3.25
Θ(142.5°)	-4.91/-5.15	-2.31/-1.49	-3.15/-3.91	-6.46/-8.09	-6.68/-5.75	-5.12/-5.36	-7.09/-7.93	-5.85/-6.05	-8.62/-9.71	-9.65/-8.64	-9.70/-8.46	-6.47/-8.11	-7.59/-7.28	-9.28/-14.75	-8.15/-11.37	-10.09/-13.23	-11.44/-7.82	-7.84/-8.39	-5.98/-5.51	-11.13/-8.64	-11.81/-6.07	-4.21/-5.68	-5.60/-5.27	-5.30/-4.84
Θ(150°)	-2.12/-2.06	-5.19/-10.44	-15.06/-10.12	-5.86/-3.31	-3.89/-10.69	-16.25/-14.31	-8.97/-5.84	-8.17/-16.11	-12.01/-7.97	-8.93/-11.70	-14.64/-9.48	-7.10/-5.65	-3.11/-2.72	-4.03/-6.20	-10.58/-9.02	-8.35/-7.96	-3.94/-4.79	-8.45/-6.13	-6.90/-7.30	-7.59/-3.96	-4.30/-5.59	-5.23/-3.21	-4.67/-9.48	-9.49/-4.83
Θ(157.5°)	-4.00/-2.71	-3.70/-6.37	-8.49/-10.51	-11.31/-13.11	-15.73/-14.51	-13.27/-10.53	-6.90/-7.36	-9.04/-9.00	-8.34/-7.29	-8.76/-12.95	-15.79/-13.07	-7.81/-4.19	-3.26/-4.67	-8.16/-9.41	-8.84/-8.79	-9.72/-7.25	-5.95/-7.84	-8.05/-7.12	-6.88/-5.60	-4.29/-5.63	-11.33/-12.18	-10.17/-10.53	-9.49/-10.66	-7.77/-5.65
Θ(165°)	-11.92/-9.28	-8.61/-10.53	-12.73/-9.91	-8.95/-8.58	-8.71/-9.18	-8.94/-9.58	-10.85/-10.74	-12.47/-11.55	-9.93/-7.75	-7.46/-7.13	-7.44/-7.83	-7.79/-7.46	-8.43/-10.11	-12.53/-15.28	-12.65/-9.72	-7.68/-7.06	-7.47/-8.00	-7.71/-7.87	-9.49/-13.63	-15.25/-12.44	-8.89/-6.24	-4.91/-4.69	-4.25/-4.45	-6.66/-11.48
Θ(172.5°)	-10.22/-8.95	-10.27/-12.02	-11.47/-11.10	-11.75/-13.78	-15.87/-15.72	-12.73/-10.32	-8.25/-7.68	-7.60/-7.47	-11.43/-11.00	-8.79/-7.13	-7.01/-7.12	-7.85/-8.92	-10.00/-9.96	-8.26/-7.87	-8.17/-9.24	-11.72/-14.24	-12.73/-10.17	-10.44/-10.98	-11.19/-11.74	-10.74/-9.99	-8.94/-8.27	-8.43/-8.62	-8.41/-9.44	
Θ(180°)	-10.89/-11.02	-13.23/-12.80	-11.76/-12.22	-11.34/-10.43	-9.67/-9.04	-8.10/-7.99	-8.11/-7.05	-6.40/-5.18	-4.91/-4.11	-4.71/-4.98	-5.05/-4.86	-4.88/-4.93	-4.91/-5.04	-5.21/-5.61	-5.02/-5.13	-5.60/-6.38	-6.57/-7.39	-8.40/-10.27	-11.73/-10.50	-9.31/-8.65	-7.58/-6.76	-6.25/-6.12	-6.41/-6.69	-8.55/-10.79
Freq(Hz)	6.475GPol.	TotalAnt.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Gain	Φ(0°)*Φ(7.5°)	Φ(15°)*Φ(22.5°)	Φ(30°)*Φ(37.5°)	Φ(45°)*Φ(52.5°)	Φ(60°)*Φ(67.5°)	Φ(75°)*Φ(82.5°)	Φ(90°)*Φ(97.5°)	Φ(105°)*Φ(112.5°)	Φ(120°)*Φ(127.5°)	Φ(135°)*Φ(142.5°)	Φ(150°)*Φ(157.5°)	Φ(165°)*Φ(172.5°)	Φ(180°)*Φ(187.5°)	Φ(195°)*Φ(202.5°)	Φ(210°)*Φ(217.5°)	Φ(225°)*Φ(232.5°)	Φ(240°)*Φ(247.5°)	Φ(255°)*Φ(262.5°)	Φ(270°)*Φ(277.5°)	Φ(285°)*Φ(292.5°)	Φ(300°)*Φ(307.5°)	Φ(315°)*Φ(322.5°)	Φ(330°)*Φ(337.5°)	Φ(345°)*Φ(352.5°)
Θ(0°)	-4.39/-5.28	-5.55/-5.70	-5.79/-6.13	-6.57/-6.86	-7.22/-7.54	-7.26/-6.97	-6.57/-6.04	-6.06/-4.89	-4.46/-3.96	-4.92/-5.08	-4.59/-4.27	-4.31/-4.28	-4.04/-4.25	-4.44/-4.92	-5.15/-5.19	-5.66/-5.21	-4.96/-4.47	-3.93/-3.17	-3.14/-3.14	-3.42/-3.23	-3.15/-2.93	-3.00/-3.43	-3.47/-3.31	-3.85/-3.99
Θ(7.5°)	-4.54/-4.98	-5.35/-5.66	-5.69/-5.45	-5.38/-4.45	-4.04/-3.71	-3.72/-3.89	-3.62/-3.50	-3.57/-3.36	-3.26/-2.98	-2.88/-2.78	-2.95/-3.71	-3.23/-3.69	-3.87/-4.10	-4.77/-5.18	-5.45/-5.60	-6.02/-6.58	-6.88/-6.79	-6.45/-6.02	-5.46/-5.60	-5.48/-4.74	-4.53/-4.23	-4.30/-4.32	-4.21/-3.96	-3.99/-4.00
Θ(15°)	-8.71/-7.44	-7.39/-9.28	-5.41/-5.76	-6.10/-5.17	-4.25/-3.80	-3.26/-2.96	-2.57/-2.54	-2.16/-2.00	-1.87/-2.00	-1.70/-1.09	-1.07/-1.39	-1.89/-2.28	-2.95/-3.26	-3.57/-4.10	-4.90/-5.17	-5.42/-6.24	-6.83/-8.16	-9.05/-10.22	-10.43/-10.59	-9.17/-8.14	-6.92/-6.31	-6.11/-6.26	-7.51/-7.80	-7.57/-8.23
Θ(22.5°)	-7.15/-7.15	-6.56/-6.72	-7.26/-6.95	-5.89/-4.29	-2.68/-1.86	-1.66/-1.60	-1.01/-0.54	-0.07/-0.13	-0.29/0.10	0.68/0.82	0.27/-0.12	0.10/-0.21	-0.55/-1.34	-2.50/-3.60	-4.05/-3.61	-3.11/-2.61	-2.35/-2.59	-3.81/-5.03	-5.80/-5.71	-6.04/-6.92	-7.96/-8.77	-9.97/-10.80	-10.76/-9.29	-7.77/-6.97
Θ(30°)	-2.79/-2.75	-3.45/-4.28	-5.07/-6.10	-6.88/-7.13	-7.05/-5.48	-3.87/-2.92	-2.44/-1.91	-1.74/-1.91	-1.38/-0.10	0.87/1.25	1.25/0.69	0.02/-0.63	-1.10/-1.85	-2.82/-4.06	-5.10/-5.16	-4.56/-3.90	-3.37/-2.62	-2.25/-2.90	-3.24/-3.95	-5.02/-6.33	-6.51/-7.72	-4.76/-4.13	-3.78/-3.44	-3.81/-3.19
Θ(37.5°)	-0.64/-0.82	-1.14/-2.04	-2.71/-3.72	-3.68/-3.14	-2.96/-3.78	-3.56/-2.37	-1.80/-2.09	-2.36/-2.05	-1.05/-0.69	0.33/0.78	0.45/-0.16	-0.34/-0.04	-0.41/-1.13	-2.22/-4.22	-6.49/-7.48	-6.19/-4.35	-2.31/-1.07	-0.76/-0.86	-0.95/-2.61	-4.30/-4.35	-3.16/-1.77	-0.49/-0.10	0.21/-0.01	-0.49/-0.81
Θ(45°)	0.28/-1.43	-1.92/-3.24	-3.69/-3.61	-2.73/-1.40	-1.48/-2.61	-3.84/-3.53	-3.93/-4.18	-4.68/-5.47	-5.07/-4.47	-3.56/-3.63	-4.56/-4.27	-3.16/-2.11	-1.33/-0.74	-1.05/-1.60	-2.97/-3.56	-3.02/-2.57	-2.07/-1.46	-1.20/-1.22	-1.55/-1.67	-1.65/-0.70	0.09/0.44	0.04/-1.13	-1.65/-1.14	-0.08/0.63
Θ(52.5°)	1.61/-1.50	0.38/-1.22	-4.04/-6.13	-6.26/-5.11	-2.51/-1.67	-3.05/-4.36	-3.31/-2.20	-3.39/-3.62	-8.84/-9.81	-6.04/-4.53	-5.22/-6.09	-6.05/-3.17	-1.99/-8.78	-1.74/-9.07	0.44/0.59	0.17/0.46	-0.42/-2.94	-1.60/-5.03	-1.05/-0.21	0.76/1.11	1.69/1.47	1.06/1.42	1.82/1.74	
Θ(60°)	1.43/0.59	-5.00/-1.20	-2.74/-5.44	-4.54/-5.42	-3.42/-6.65	-6.03/-10.22	-8.27/-5.83	-5.03/-5.58	-6.50/-6.27	-4.59/-3.83	-3.72/-3.41	-2.94/-2.13	-0.84/0.59	0.29/-1.58	-2.89/-0.69	0.02/0.39	0.27/0.01	-0.39/0.85	-0.56/-0.75	-1.64/-1.24	-0.44/-0.77	-0.26/1.19	2.27/3.48	3.69/2.72
Θ(67.5°)	-0.62/-0.92	-0.49/-1.10	-1.30/-3.98	-5.37/-5.36	-3.33/-3.53	-4.93/-4.36	-4.51/-6.54	-4.32/-2.27	-3.67/-3.49	-1.73/-2.17	-1.30/-0.19	0.54/0.22	0.80/0.21	2.35/2.15	1.93/2.16	2.48/2.27	2.84/2.84	-0.35/-1.40	0.79/1.31	1.22/1.99	1.50/0.85	1.60/2.69	2.77/2.27	1.98/1.37
Θ(75°)	-0.62/-0.24	-1.08/-2.37	-2.02/-0.30	-1.07/-3.51	-3.26/-4.11	-7.11/-6.87	-4.28/-4.38	-1.60/-1.37	-3.37/-3.68	-5.06/-6.72	-5.06/-1.54	-0.09/0.08	0.51/0.87	1.45/1.63	1.27/1.68	2.50/0.85	0.95/0.86	-0.07/-1.17	0.13/-0.02	-0.08/1.14	0.81/1.42	2.42/2.70	2.07/1.51	1.06/0.03
Θ(82.5°)	0.13/0.62	0.06/-0.82	-0.70/0.76	-0.02/-4.55	-5.50/-3.50	-1.47/-1.38	-0.18/-1.74	-2.84/-3.80	-2.10/-1.05	-1.36/0.28	-0.39/-0.29	0.15/2.22	3.93/3.52	1.48/0.86	0.82/0.26	0.29/-0.26	-0.52/-1.21	0.35/0.03	-0.10/0.20	1.08/0.24	0.56/1.80	2.07/1.80	1.07/1.02	
Θ(90°)	0.35/0.72	0.29/0.09	0.60/2.71	2.74/-1.63	-4.88/-2.08	-2.40/-4.65	-1.19/-0.30	-0.74/-2.12	-2.72/-2.28	-2.02/-1.03	-1.13/-0.36	0.52/-0.04	-1.73/0.05	2.26/2.95	0.60/-1.19	-0.71/-0.34	-2.25/-3.24	-2.19/-1.85	-0.83/-1.61	-0.49/-2.03	-3.67/-1.62	0.01/-1.58	-0.82/0.75	1.30/0.31
Θ(97.5°)	0.96/1.96	1.57/0.21	-0.94/0.57	1.72/-2.72	-6.65/-3.29	-2.96/-3.40	-4.34/-3.57	-2.46/-2.66	-0.02/-0.07	0.22/0.98	1.16/1.44	0.61/0.63	2.97/3.94	2.77/-0.18	-0.98/0.35	-2.91/-3.87	-4.08/-1.86	-4.62/-0.79	-2.64/-3.00	-1.86/0.45	-1.41/-3.20	-1.61/-0.64	1.45/1.62	
Θ(105°)	1.56/1.54	2.30/-0.32	-2.59/0.05	1.54/-0.07	-10.05/-5.88	-4.15/-5.41	-3.32/-1.72	-2.21/-2.80	-3.48/-4.17	-6.45/-5.24	-2.14/0.41	1.28/1.38	-0.03/0.87	1.70/1.93	1.77/0.48	-1.27/-2.84	-2.21/-7.36	-6.94/-2.84	-1.60/-5.09	-1.27/2.74	1.46/-3.29	-2.70/-1.40	0.72/2.25	
Θ(112.5°)	-1.07/-3.42	-2.50/-4.43	-9.48/-4.84	-4.83/-8.35	-8.91/-3.40	-0.95/-3.50	-5.41/-4.48	-4.55/-2.90	-1.64/-1.98	-2.58/-10.54	-7.14/-4.19	-4.03/-0.79	1.70/4.31	3.62/1.94	1.97/0.91	0.08/0.94	1.93/-0.74	-5.54/-3.04	-2.26/0.77	0.22/-0.08	1.38/2.36	0.77/-3.96	-7.98/-6.14	-4.99/-1.59
Θ(120°)	-3.40/-3.09	-2.51/-4.95	-6.75/-3.79	-4.24/-12.79	-7.19/-4.54	-1.34/-4.60	-3.94/-5.18	-6.65/-3.57	-5.53/-4.65	-7.35/-3.73	-9.85/-2.62	0.28/-2.42	-1.70/0.87	0.88/0.19	-0.70/-2.12	-3.96/-1.42	1.25/0.49	-5.22/-3.07	-3.63/0.90	1.36/-1.27	-0.34/0.11	-0.19/-1.59	-5.03/-6.54	-3.68/-2.04
Θ(127.5°)	-5.33/-3.41	-3.83/-6.10	-7.57/-4.77	-7.21/-8.69	-7.51/-4.07	-0.18/-1.22	-2.58/-4.31	-5.52/-8.95	-8.92/-6.65	-10.41/-9.37	-7.81/-6.49	-3.60/-2.23	-2.70/-5.11	-4.98/-7.80	-11.43/-10.87	-5.39/-1.15	0.15/-5.16	-4.30/-2.51	0.95/1.32	-0.49/-1.71	-3.38/-2.76	-0.89/-1.03	-4.91/-9.22	-5.60/-4.47
Θ(135°)	-6.61/-6.69	-7.88/-7.18	-12.42/-3.95	-4.34/-6.37	-8.30/-4.92	-3.98/-5.54	-8.38/-7.46	-3.91/-3.93	-4.62/-3.74	-8.14/-12.20	-14.01/-9.18	-7.44/-8.23	-6.74/-2.53	-2.46/-6.42	-10.84/-16.13	-9.87/-3.07	-3.15/-8.13	-8.98/-16.63	-5.82/-6.95	-8.38/-5.38	-6.07/-7.32	-5.33/-6.39	-9.93/-7.22	-4.99/-2.94
Θ(142.5°)	-3.95/-3.80	-2.72/-3.27	-6.77/-8.10	-8.91/-7.36	-4.82/-4.43	-5.42/-6.89	-7.53/-4.85	-2.80/-3.36	-6.31/-8.56	-11.02/-8.15	-6.83/-4.82	-3.63/-6.65	-10.40/-11.79	-10.04/-15.26	-12.50/-14.02	-13.61/-6.82	-4.05/-7.98	-12.34/-9.56	-6.86/-7.77	-16.37/-11.14	-11.21/-1.38	-11.31/-10.36	-8.81/-10.36	-9.25/-5.89
Θ(15°)	-4.51/-3.96	-6.38/-12.79	-16.07/-11.49	-10.42/-6.54	-5.65/-9.35	-8.55/-7.64	-8.34/-7.84	-9.58/-12.77	-16.46/-12.72	-9.11/-8.36	-9.20/-10.31	-9.78/-9.14	-7.27/-7.78	-11.63/-13.51	-11.56/-13.53	-13.98/-10.49	-8.96/-8.64	-10.49/-10.29	-7.48/-6.05	-11.11/-9.32	-7.71/-7.63	-7.79/-7.96	-8.01/-10.97	-12.43/-7.79
Θ(157.5°)	-3.58/-2.21	-3.34/-6.66	-9.53/-9.73	-9.38/-11.49	-14.83/-14.57	-15.73/-11.75	-7.38/-8.81	-16.04/-13.32	-11.12/-11.11	-14.12/-15.63	-12.31/-10.80	-11.72/-9.03	-6.32/-7.57	-13.38/-11.61	-10.44/-9.98	-11.31/-10.54	-8.26/-9.80	-9.55/-9.85	-7.49/-5.08	-4.85/-5.97	-8.32/-10.15	-8.37/-7.76	-6.23/-9.47	-9.00/-6.16
Θ(165°)	-15.21/-13.30	-11.20/-11.35	-12.66/-14.29	-15.01/-14.92	-11.31/-10.70	-10.89/-10.32	-9.17/-7.92	-12.35/-11.72	-10.58/-9.25	-10.55/-11.50	-12.62/-11.71	-9.57/-8.68	-9.33/-12.34	-15.79/-17.18	-16.08/-15.61	-16.01/-15.38	-10.34/-9.24	-9.97/-11.18	-11.78/-15.48	-16.9				

E1(XY plane) – $\Theta(90)\Phi(0-360)$
 E2(XZ plane) – $\Theta(0-180)\Phi(0)$ and $\Theta(0-180)\Phi(180)$
 E3(YZ plane) – $\Theta(0-180)\Phi(90)$ and $\Theta(0-180)\Phi(270)$





Total Gain Data

Freq(Hz)	5.2GPol.	TotalAnt. 1	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-
Gain	Φ(0°)Φ(7.5°)	Φ(15°)Φ(22.5°)	Φ(30°)Φ(37.5°)	Φ(45°)Φ(52.5°)	Φ(60°)Φ(67.5°)	Φ(75°)Φ(82.5°)	Φ(90°)Φ(97.5°)	Φ(105°)Φ(112.5°)	Φ(120°)Φ(127.5°)	Φ(135°)Φ(142.5°)	Φ(150°)Φ(157.5°)	Φ(165°)Φ(172.5°)	Φ(180°)Φ(187.5°)	Φ(195°)Φ(202.5°)	Φ(210°)Φ(217.5°)	Φ(225°)Φ(232.5°)	Φ(240°)Φ(247.5°)	Φ(255°)Φ(262.5°)	Φ(270°)Φ(277.5°)	Φ(285°)Φ(292.5°)	Φ(300°)Φ(307.5°)	Φ(315°)Φ(322.5°)	Φ(330°)Φ(337.5°)	Φ(345°)Φ(352.5°)
Θ(0°)	-3.21/2.87	-2.41/2.13	-1.98/2.01	-2.18/-2.13	-2.12/-1.96	-1.74/-1.48	-1.66/-1.90	-2.21/2.43	-2.75/-2.84	-2.88/-2.42	-2.31/2.05	-2.31/2.32	-2.29/-2.60	-2.73/-2.86	-2.72/-2.86	-2.27/2.02	-2.17/-2.38	-2.72/-2.86	-3.33/-0.45	-4.60/-4.45	-3.86/-4.55	-3.35/-3.25	-3.10/-3.10	-3.69/-3.28
Θ(7.5°)	-3.05/-2.53	-2.28/-2.27	-2.40/-2.62	-2.45/-2.45	-2.58/-2.97	-3.62/-3.96	-3.47/-3.23	-2.94/-3.01	-3.06/-3.32	-3.39/-2.46	-1.70/-1.72	-2.21/-2.66	-2.68/-2.58	-2.56/-2.28	-1.87/-1.58	-1.47/-1.38	-1.25/-1.05	-0.77/-0.93	-1.60/-2.23	-2.67/-2.87	-2.88/-2.80	-2.60/-2.51	-2.27/-2.22	-2.76/-2.99
Θ(15°)	-2.25/-2.14	-2.08/-2.52	-2.91/-3.14	-3.16/-3.46	-3.65/-3.71	-3.56/-3.12	-2.92/-2.71	-2.58/-2.55	-2.54/-2.55	-2.56/-2.01	-1.53/-1.75	-2.44/-2.70	-1.97/-1.33	-1.41/-1.95	-2.13/-2.02	-1.91/-1.71	-1.08/-0.82	-0.67/-0.90	-1.49/-2.16	-2.65/-2.52	-2.27/-1.93	-1.89/-2.12	-1.86/-1.12	-1.09/-1.29
Θ(22.5°)	-0.12/-0.37	-0.73/-1.01	-2.11/-3.42	-4.42/-4.82	-4.99/-4.48	-3.94/-3.16	-2.97/-2.97	-2.79/-2.58	-2.15/-2.01	-1.97/-1.67	-1.46/-1.45	-1.45/-1.08	-0.67/-0.49	-0.72/-1.10	-1.52/-1.96	-2.47/-2.19	-1.47/-1.24	-1.55/-2.38	-2.88/-2.89	-2.32/-1.69	-1.01/1.30	1.06/0.97	0.72/0.49	
Θ(30°)	2.23/1.76	1.00/0.30	-0.72/-2.15	-3.79/-4.71	-4.37/-3.70	-2.96/-2.55	-2.38/-2.46	-2.63/-2.85	-2.86/-2.77	-2.41/-2.33	-2.55/-3.04	-3.31/-3.17	-3.02/-2.98	-2.47/-2.63	-3.43/-5.04	-5.08/-4.03	-3.01/-2.46	-1.81/-1.48	-1.21/-1.08	-1.19/-1.30	-0.91/-0.49	-0.04/0.50	0.89/1.43	1.87/2.36
Θ(37.5°)	1.74/1.94	1.71/0.65	-0.41/-2.33	-3.48/-3.61	-3.63/-3.20	-2.42/-1.73	-2.23/-1.97	-2.12/-1.69	-1.71/-1.86	-2.13/-2.72	-3.57/-4.49	-5.80/-6.72	-4.93/-2.68	-1.88/-2.01	-2.62/-3.58	-4.64/-4.19	-2.79/-1.83	-1.22/-0.58	0.08/-0.27	-1.44/-2.43	-1.49/-0.75	-0.40/-0.39	-0.41/0.05	0.46/1.06
Θ(45°)	0.59/0.39	0.63/0.95	0.78/-0.38	-1.29/-1.26	-1.01/-1.95	-2.79/-1.04	0.52/0.98	0.99/1.11	1.10/0.68	-0.24/-1.49	-2.77/-3.99	-4.88/-4.96	-4.31/-3.97	-4.25/-4.15	-4.15/-4.85	-5.43/-6.43	-4.81/-3.32	-3.97/-3.20	-1.43/-0.45	-0.54/-1.54	-2.47/-2.78	-2.95/-2.25	-1.44/-1.48	-1.20/-0.11
Θ(52.5°)	1.40/2.14	1.52/0.64	-0.59/-0.92	-0.63/-0.29	-0.46/-1.22	-2.79/-2.16	-1.48/-0.69	-0.05/-0.26	-0.63/-1.41	-2.51/-3.30	-4.23/-5.46	-6.54/-7.57	-9.15/-8.29	-8.50/-8.87	-6.92/-6.14	-7.37/-7.07	-2.56/-0.38	0.26/0.19	0.35/-0.38	-0.97/-0.64	-1.71/-3.40	-3.92/-4.63	-5.28/-3.66	-2.28/-0.82
Θ(60°)	-0.15/-1.83	1.89/0.20	-0.66/0.18	1.51/1.20	0.30/-1.24	-4.20/-3.27	-2.96/-3.15	-1.95/-1.04	-0.77/-1.51	-3.51/-5.11	-5.78/-6.72	-7.59/-8.42	-10.32/-10.34	-8.17/-8.18	-5.52/-1.92	0.38/0.73	0.11/0.83	0.94/0.43	1.13/-1.25	0.33/-1.04	-1.08/-0.86	-1.60/-3.34	-3.24/-1.91	
Θ(67.5°)	0.31/0.45	-0.61/-3.01	-1.75/-0.08	0.60/0.97	0.72/-0.53	-1.77/-2.45	-2.82/-1.28	-1.14/-1.84	-1.13/-1.39	-2.72/-4.47	-7.02/-10.40	-10.77/-8.94	-8.69/-8.57	-8.29/-7.34	-6.58/-4.22	-0.61/-1.53	-3.10/-3.62	-2.66/-1.61	-0.66/-0.84	-1.45/-1.68	-1.67/-1.31	-1.80/-2.68	-1.87/-0.63	
Θ(75°)	-1.80/-0.23	0.48/-0.66	-3.36/-1.57	-0.47/-1.83	-0.85/-0.45	-0.20/0.87	-0.03/0.33	0.10/-1.15	-2.12/-2.40	-1.93/-2.13	-3.90/-5.55	-5.48/-5.09	-3.33/-2.74	-4.64/-9.39	-10.71/-4.68	-2.86/-0.88	0.49/0.71	-1.44/-4.34	-5.01/-3.35	-1.51/-0.59	-1.45/-1.68	-1.37/-1.63	-1.73/-2.05	-2.02/-2.41
Θ(82.5°)	-0.56/0.60	0.73/-1.40	-4.91/-3.58	-3.20/-6.27	-4.99/-2.69	0.48/1.54	2.00/2.18	0.90/0.06	-0.49/-1.25	-1.97/-2.75	-3.47/-5.16	-6.50/-5.87	-3.85/-2.80	-4.58/-7.74	-6.56/-4.09	-1.42/-0.99	1.24/1.73	-0.09/-3.30	-4.31/-7.38	-2.21/-1.95	-3.74/-3.02	-3.79/-5.20	-3.13/-1.61	-3.19/-2.86
Θ(90°)	-2.54/-0.89	-0.48/-1.75	-4.41/-3.63	-2.63/-3.40	-1.22/0.20	1.66/2.21	1.90/2.76	1.97/-0.43	-3.05/-3.58	-2.44/-1.37	-1.15/-2.28	-3.20/-3.45	-1.89/-1.63	-2.50/-3.84	-4.02/-2.67	-1.04/-0.25	-1.89/-0.98	-1.97/-4.54	-4.85/-3.22	-2.03/-1.13	-0.68/-3.77	-1.78/-9.84	-3.30/-1.13	-1.05/-2.91
Θ(97.5°)	-2.68/-4.41	-5.66/-5.70	-4.79/-3.01	-3.62/-8.10	-2.21/-0.71	0.66/1.92	2.29/2.57	1.24/-0.05	-1.17/-1.10	-0.11/0.79	-0.05/-1.26	-2.85/-2.68	-1.69/-1.16	-1.36/-1.81	-1.93/-2.95	-2.37/-3.10	-3.80/-0.28	-0.34/-0.48	-1.94/-4.72	-1.79/-0.99	-1.99/-2.66	-6.53/-5.96	-5.13/-4.59	-3.63/-3.39
Θ(105°)	-8.77/-6.57	-4.41/-3.40	-3.62/-1.90	-1.73/-3.59	-1.03/0.42	0.24/1.66	2.37/2.10	1.31/0.45	-0.17/-0.57	-0.22/0.28	0.47/0.37	0.19/0.66	0.18/-0.47	-1.98/-1.72	-0.63/-2.31	-3.30/-2.42	-5.19/-2.96	-2.50/-3.58	-3.00/-5.88	-2.50/-1.73	-4.84/-8.68	-10.20/-11.44	-6.00/-3.74	-2.47/-3.01
Θ(112.5°)	-11.31/-8.23	-3.56/-1.74	-1.74/-1.48	-0.68/-1.39	-1.72/-0.91	-1.64/0.43	1.16/1.73	1.65/0.92	0.10/-0.30	-0.65/-0.80	0.52/1.20	1.80/1.98	0.66/-0.27	-1.40/-1.24	-1.73/-2.72	-1.22/-1.03	-4.08/-5.45	-9.57/-11.55	-7.27/-12.33	-8.74/-6.24	-5.01/-7.28	-11.78/-8.55	-7.40/-4.81	-4.80/-6.39
Θ(120°)	-7.88/-6.48	-3.94/-3.27	-2.76/-2.22	-3.25/-1.77	-0.05/0.23	-0.72/-1.38	-0.73/0.00	0.97/1.89	2.79/3.50	3.28/2.99	3.18/2.62	2.41/1.42	0.21/-1.05	-3.02/-2.17	-1.14/-2.98	-6.67/-9.16	-4.60/-4.76	-9.81/-7.19	-4.04/-3.11	-7.02/-10.48	-7.41/-10.14	-10.22/-8.41		
Θ(127.5°)	-5.69/-4.95	-3.72/-1.91	-2.02/-1.20	-1.19/-1.78	-2.85/-3.74	-4.01/-3.30	-2.83/-1.90	-0.23/-1.65	3.67/1.19	3.51/3.91	3.65/2.98	2.86/1.29	-0.13/-0.78	-1.85/-2.81	-3.39/-2.54	-1.98/-2.60	-1.78/0.18	-0.32/-5.37	-12.91/-7.45	-11.53/-13.31	-11.84/-6.15	-7.43/-10.06	-9.57/-15.22	-12.59/-11.24
Θ(135°)	-9.19/-8.18	-7.59/-5.22	-4.25/-4.08	-3.94/-1.48	0.17/0.01	-0.41/-0.32	-0.18/0.43	1.34/2.13	2.63/3.56	3.91/3.24	2.63/2.82	2.66/2.21	1.77/1.15	-0.66/-2.20	-0.93/-1.30	-2.85/-4.08	-4.66/-4.28	-3.42/-3.04	-5.11/-7.38	-7.51/-5.36	-5.46/-9.81	-5.95/-5.81	-6.81/-10.21	-14.54/-11.45
Θ(142.5°)	-6.97/-6.70	-9.63/-6.64	-3.59/-2.69	-2.11/-1.09	-1.26/-1.86	-1.89/-0.45	1.21/2.15	2.68/2.23	4.40/4.49	3.71/3.23	2.93/2.15	1.33/-1.10	1.84/1.99	-0.44/-0.63	-0.67/-1.95	-0.70/-0.89	0.32/0.40	-1.56/-1.79	-6.39/-4.99	-7.52/-5.25	-2.17/-6.69	-4.63/-5.88		
Θ(150°)	-4.74/-1.98	-2.12/-4.30	-4.89/-5.08	-4.36/-2.50	-1.12/-0.50	0.03/0.90	2.14/3.04	3.38/3.46	3.51/3.75	3.54/3.21	2.78/2.07	1.13/0.26	-0.71/-2.37	-6.19/-10.68	-7.50/-6.02	-6.85/-5.22	-2.66/-0.18	1.23/1.31	1.10/0.57	-1.14/-0.42	-6.19/-4.05	-3.29/-4.80	-5.74/-8.91	-12.74/-10.24
Θ(157.5°)	-7.45/-6.55	-5.15/-5.12	-4.70/-3.06	-1.91/-0.70	0.10/1.02	1.89/2.42	3.39/4.24	4.67/4.71	4.53/4.74	4.82/4.72	4.11/3.07	1.83/1.25	-4.92/-3.69	-3.00/1.18	1.68/1.91	1.88/1.33	0.02/-1.77	-4.41/-8.51	-13.24/-17.24	-13.68/-12.28	-16.73/-9.44	-4.83/-4.29	-5.70/-6.86	
Θ(165°)	-4.96/-5.39	-4.85/-3.70	-2.56/-1.78	-2.10/-0.72	0.19/1.18	2.04/2.49	2.47/2.26	1.90/1.63	1.35/1.21	0.99/0.83	0.99/1.54	2.57/3.92	4.90/5.05	4.58/3.71	2.67/1.89	1.18/0.36	-1.05/-2.93	-4.02/-5.01	-6.28/-5.60	-1.53/-3.09	-2.52/-3.04	-5.12/-7.07	-7.93/-8.16	-6.89/-5.64
Θ(172.5°)	-15.33/-16.54	-14.82/-11.17	-9.11/-8.52	-8.85/-8.50	-8.00/-7.08	-6.11/-4.68	-3.32/-2.20	-1.35/-0.81	-0.55/0.61	1.29/2.00	2.72/2.42	4.09/4.39	4.33/3.52	2.15/0.39	-1.38/-2.02	-1.80/-1.63	-1.58/-1.52	-1.68/-2.40	-3.35/-3.55	-3.59/-4.12	-5.03/-5.83	-6.21/-6.68	-7.99/-9.59	-10.14/-11.78
Θ(180°)	-1.25/-2.50	-3.71/-3.81	-3.34/-2.58	-2.14/-2.36	-2.53/-2.43	-2.23/-2.09	-1.65/-1.03	-0.49/-0.13	0.00/0.22	0.22/0.19	0.08/-0.45	-0.95/-1.01	-0.75/-0.53	0.06/0.49	0.76/0.99	0.95/0.47	-0.26/-1.35	-2.93/-5.02	-6.48/-6.09	-3.96/-1.90	-0.01/1.25	1.81/1.80	1.30/0.64	0.03/-0.43
Freq(Hz)	5.3GPol.	TotalAnt. 1	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-
Gain	Φ(0°)Φ(7.5°)	Φ(15°)Φ(22.5°)	Φ(30°)Φ(37.5°)	Φ(45°)Φ(52.5°)	Φ(60°)Φ(67.5°)	Φ(75°)Φ(82.5°)	Φ(90°)Φ(97.5°)	Φ(105°)Φ(112.5°)	Φ(120°)Φ(127.5°)	Φ(135°)Φ(142.5°)	Φ(150°)Φ(157.5°)	Φ(165°)Φ(172.5°)	Φ(180°)Φ(187.5°)	Φ(195°)Φ(202.5°)	Φ(210°)Φ(217.5°)	Φ(225°)Φ(232.5°)	Φ(240°)Φ(247.5°)	Φ(255°)Φ(262.5°)	Φ(270°)Φ(277.5°)	Φ(285°)Φ(292.5°)	Φ(300°)Φ(307.5°)	Φ(315°)Φ(322.5°)	Φ(330°)Φ(337.5°)	Φ(345°)Φ(352.5°)
Θ(0°)	-4.06/-3.80	-3.72/-3.71	-3.68/-3.59	-3.40/-2.91	-2.46/-2.02	-1.30/-0.86	-0.93/-1.23	-1.62/-1.71	-1.59/-1.43	-1.33/-1.50	-1.47/-1.48	-1.33/-0.94	-0.67/-0.77	-1.03/-1.70	-2.04/-2.10	-2.04/-2.00	-2.09/-2.10	-2.29/-2.75	-4.08/-3.43	-2.52/-2.24	-2.82/-3.64	-4.15/-3.46	-4.59/-3.46	-3.97/-4.06
Θ(7.5°)	-4.17/-3.60	-3.24/-3.16	-2.84/-2.84	-2.95/-3.03	-2.95/-2.89	-2.82/-2.76	-2.85/-3.34	-3.75/-4.11	-3.93/-3.92	-4.03/-4.25	-4.32/-3.94	-3.22/-2.36	-1.91/-1.82	-1.82/-1.86	-2.04/-2.34	-2.53/-2.66	-3.05/-3.66	-3.95/-4.08	-4.07/-3.03	-3.77/-3.77	-4.15/-5.09	-5.44/-5.25	-5.56/-5.44	-4.78/-4.70
Θ(15°)	-2.09/-2.37	-2.65/-3.01	-3.00/-3.40	-3.68/-3.68	-3.68/-3.63	-3.33/-2.96	-2.70/-2.58	-2.61/-2.81	-2.79/-2.54	-2.46/-2.41	-2.29/-1.75	-1.18/-0.82	-1.17/-2.00	-2.69/-2.77	-2.46/-2.27	-1.93/-1.80	-1.78/-2.12	-2.17/-2.67	-3.32/-3.44	-3.09/-2.87	-2.73/-2.98	-2.79/-2.14	-2.05/-1.97	-1.73/-1.85
Θ(22.5°)	1.47/0.96	-0.33/-1.40	-2.34/-3.66	-5.30/-6.11	-6.00/-5.23	-4.67/-4.08	-3.57/-3.54	-3.37/-3.51	-3.46/-3.20	-2.88/-2.68	-2.25/-1.32	-0.38/0.05	-0.02/-0.15	-0.34/-0.45	-0.71/-1.02	-1.16/-1.44	-1.68/-1.85	-2.08/-2.77	-2.80/-1.82	-1.33/-1.28	-0.87/-0.42	-0.78/-1.57	1.78/1.41	
Θ(30°)	-0.26/-0.26	0.21/-0.07	-1.79/-4.41	-6.19/-5.32	-3.85/-2.71	-2.26/-1.90	-1.22/-1.08	-1.49/-2.03	-2.39/-2.09	-2.26/-2.83	-3.34/-3.22	-4.84/-2.50	-4.23/-1.42	-0.29/-0.19	-0.99/-1.69	-4.02/-5.01	-3.95/-3.66	-4.58/-4.47	-4.13/-4.78	-4.70/-3.62	-2.42/-1.33	-0.21/0.23	0.47/0.38	0.62/0.34
Θ(37.5°)	1.53/1.51	0.72/-0.10	-1.07/-2.93	-3.67/-3.13	-2.39/-1.45	-1.27/-1.51	-2.42/-2.23	-2.35/-2.41	-2.57/-2.64	-2.94/-3.60	-4.68/-5.35	-5.57/-5.36	-5.11/-4.82	-4.74/-4.91	-5.19/-5.56	-5.51/-4.59	-3.62/-3.24	-2.14/-0.66	0.69/0.95	-0.00/-0.87	-0.53/-0.01	0.35/0.07	-0.54/-0.89	-0.49/0.65
Θ(45°)	0.38/-1.47	2.14/-1.44	-0.33/-2.26	-2.27/-0.99	-0.97/-1.29	-0.70/0.07	0.08/0.11	0.04/-0.08	-0.40/-0.76	-1.38/-2.32	-3.44/-													

E1(XY plane) – $\Theta(90)\Phi(0-360)$
E2(XZ plane) – $\Theta(0-180)\Phi(0)$ and $\Theta(0-180)\Phi(180)$
E3(YZ plane) – $\Theta(0-180)\Phi(90)$ and $\Theta(0-180)\Phi(270)$

