



Radiated Composite Gain Data of Scan Radio/LE

Appendix A.6

Θ(30°)	-12.18/-10.84	-12.51/-16.72	-18.74/-17.85	-19.74/-13.49	-10.16/-7.37	-5.62/-5.24	-5.23/-4.44	-3.54/-4.32	-4.36/-5.63	-6.18/-6.84	-9.9/-14.4	-18.11/-17.22	-18.15/-18.16	-18.42/-14.12	-12.68/-8.54	-5.81/-7.16	-7.83/-4.74	-3.44/-3.82	-4.31/-4.02	-4.49/-5.39	-6.8/-8.85	-9.97/-9.65	-9.66/-10.9	-16.49/-18.47
Θ(37.5°)	-14.79/-13.33	-14.94/-16.87	-15.97/-17.02	-12.45/-11.53	-9.1/-7.89	-7.13/-6.23	-5.59/-5.11	-3.68/-3.33	-5.14/-6.71	-6.31/-8.16	-13.34/-17.3	-18.26/-18.41	-17.54/-18.33	-16.37/-12.79	-11.99/-7.85	-4.93/-5	-5.93/-3.38	-1.17/-1.39	-2.57/-2.67	-2.9/-3.1	-6.44/-8.53	-10.49/-11.15	-10.51/-12.02	-13.38/-18.12
Θ(45°)	-17.86/-18.03	-18.78/-11.82	-13.7/-19.37	-16.68/-14.77	-12.65/-6.48	-8.21/-7.1	-5.34/-8.2	-4.03/-3.56	-5.26/-6.33	-6.98/-10.97	-14.61/-16.72	-17.08/-18.55	-17.9/-19.06	-13.94/-11.95	-10.53/-10.23	-8.48/-6.06	-6.07/-6.74	-4.22/-2.67	-4.32/-3.64	-1.96/-2.81	-3.62/-4.88	-9.75/-13.03	-15.2/-18.94	-19.42/-17.92
Θ(52.5°)	-15.39/-13.02	-18.59/-12.84	-18.25/-18.65	-18.12/-17.32	-12.7/-6.91	-4.93/-4.1	-4.23/-3.14	-2.71/-4.32	-6.54/-6.93	-8.82/-12.35	-15.38/-17.75	-18.93/-17.8	-18.81/-18.67	-15.42/-10.37	-10.25/-11.4	-10.18/-6.09	-4.91/-6.47	-5.19/-1.94	-1.94/-3.27	-3.49/-3.93	-4.1/-5.48	-9.81/-8.5	-9.36/-13.95	-14.72/-18.98
Θ(60°)	-12.44/-10.72	-18.66/-14.61	-16.31/-12.34	-13.9/-9.78	-7.35/-4.37	-2.92/-2.22	-2.82/-3.04	-2.84/-2.23	-5.99/-6.97	-9.58/-14.7	-15.94/-16.51	-17.8/-16.79	-18.87/-19.12	-17.51/-10.54	-8.2/-8.39	-9.74/-11.48	-8.04/-6.38	-5.45/-6.44	-3.93/-3.32	-1.88/-3.11	-4.18/-5.52	-6.95/-5.15	-5.57/-7.41	-7.8/-12.06
Θ(67.5°)	-10.03/-10.35	-18.77/-15.69	-13.99/-12.01	-14.04/-9.1	-5.98/-2.98	-2.35/-1.22	-2.86/-3.26	-3.87/-5.18	-17.63/-9.13	-12.18/-12.25	-11.86/-11.95	-17.29/-19.06	-18.89/-17.68	-15.28/-12.09	-10.83/-9.69	-8.98/-9.45	-12.3/-7.58	-7.65/-4.01	-3.9/-3.92	-2.98/-3.31	-3.24/-4.19	-6.48/-4.96	-4.47/-5.17	-5.96/-8.57
Θ(75°)	-12.57/-12.95	-17.01/-14.19	-11.42/-12.31	-17.85/-11.44	-6.43/-2.5	-3.17/-2.17	-4.51/-4.3	-6.18/-7.96	-9.55/-7.89	-11.2/-16.53	-13.68/-9.69	-13.51/-19.07	-19.2/-18.98	-17.42/-16.01	-13.29/-10.59	-10.38/-11.09	-16.63/-11.28	-10.86/-8.44	-4.31/-4.05	-3.24/-3.8	-5.16/-6.51	-8.83/-9.35	-7.42/-6.83	-7.44/-8.29
Θ(82.5°)	-12.46/-12.75	-18.87/-14.24	-13.34/-12.91	-18.48/-13.03	-6.52/-3.38	-4.14/-3.39	-5.31/-7.26	-9.24/-8.18	-9.27/-7.35	-10.75/-13.07	-10.38/-7.53	-13.94/-19.26	-18.39/-17.8	-15.16/-15.41	-10.99/-11.97	-19.19/-10.7	-15/-10	-7.67/-9.43	-4.08/-3.95	-4.09/-5.39	-11.35/-13.8	-11.42/-9.14	-8.22/-6.8	
Θ(90°)	-16.92/-11.15	-18.01/-17.13	-14.79/-18.5	-12.41/-13.38	-8.63/-4.92	-4.88/-5.79	-7.37/-7.44	-9.46/-7.8	-7.42/-6.6	-10.08/-12.06	-11.44/-6.98	-12.86/-19.32	-17.74/-16.61	-17.75/-18.16	-15.87/-16	-13.81/-12	-14.22/-19.04	-18.07/-11.46	-9.27/-8.32	-7.23/-5.04	-4.87/-4.46	-10.63/-18.08	-19.04/-17.61	-14.33/-9.99
Θ(97.5°)	-18.25/-12.39	-18.08/-16.65	-18.38/-16.86	-8.42/-12.15	-7.64/-5.9	-6.42/-7.71	-9.68/-9.74	-9.71/-7.41	-8.38/-7.67	-11.48/-12.39	-10.75/-9.02	-19/-19.14	-18.69/-19.41	-18.26/-17.72	-13.15/-13.44	-15.49/-12.29	-11.74/-14.98	-15.05/-17.54	-12.75/-9.33	-11.65/-10.67	-5.02/-5.52	-12.28/-9.82	-13.42/-15.72	-18.69/-12.65
Θ(105°)	-14.43/-14.32	-19.36/-14.62	-18.37/-16.91	-6.42/-10.41	-7.49/-7.72	-9.04/-8.44	-9.69/-9.83	-8.88/-5.92	-7.31/-8.58	-11.62/-10.68	-16.48/-17.9	-18.67/-17.22	-18.77/-18.18	-18.32/-19.16	-14.3/-14.72	-13.26/-11.38	-13/-17.03	-12.71/-19.13	-18.11/-10.69	-13.27/-13.35	-19.01/-13.44	-7.03/-6.64	-14.56/-13.7	-16.23/-13.28
Θ(112.5°)	-16.74/-14.92	-13.43/-13.51	-15.21/-16.45	-10.12/-14.32	-8.02/-8.53	-9.45/-9.39	-10.83/-8.64	-8.24/-7.35	-8.17/-7.48	-9.71/-12.69	-10.43/-9.69	-16.48/-9.93	-18.62/-19.25	-17.82/-18.11	-14.18/-10.61	-12.28/-14.57	-11.06/-10.55	-12.94/-11.28	-13.35/-12.65	-10.54/-8.96	-13.68/-13.29	-12.18/-10.97	-11.8/-13.86	-19.28/-17.32
Θ(120°)	-17.95/-16.96	-13.97/-18.89	-12.83/-13.59	-12.51/-16.74	-10.13/-8.86	-11.75/-9.4	-9.11/-8.23	-10.04/-7.57	-6.58/-7.85	-8.29/-11.7	-8.46/-9.64	-17.28/-17.47	-17.85/-17.75	-19.73/-18.58	-15.66/-13.64	-9.77/-10.73	-14.17/-7.73	-10.32/-16.44	-7.41/-7.1	-9.3/-12.36	-13.82/-9.53	-10.25/-8.5	-10.12/-18.32	-12.51/-17.68
Θ(127.5°)	-12.39/-13.35	-18.61/-18.52	-13.65/-19.07	-19.33/-14.54	-11.06/-13.2	-10.92/-7.36	-9.09/-8.56	-8.96/-7.2	-6.23/-7.64	-7.85/-14.52	-9.41/-9.43	-19.21/-18.18	-17.62/-15.9	-18.59/-14.52	-8.34/-8.18	-12.45/-11.42	-7.54/-6.42	-8.59/-8.18	-8.83/-11.31	-12.58/-14.31	-9.73/-12.65	-16.81/-16.57	-17.1/-17.77	
Θ(135°)	-17.99/-18.8	-16.41/-18.95	-18.6/-18.36	-15.34/-15.91	-14.86/-13.31	-7.82/-7.98	-11.69/-8.24	-7.25/-6.2	-5.34/-10.97	-12.21/-9.82	-9.98/-10.75	-15.75/-19.05	-18.95/-18.5	-18.76/-18.77	-15.95/-11.13	-10.40/-9.83	-14.27/-13.18	-8.54/-6.32	-6.35/-5.59	-9.41/-8.97	-10.09/-12.71	-9.76/-12.05	-17.87/-19.35	-18.9/-18.53
Θ(142.5°)	-14.63/-17.48	-17.83/-17.71	-13.63/-14.71	-15.84/-17.8	-18.16/-17.91	-12.1/-10.43	-9.5/-7.21	-8.85/-9.41	-7.79/-10.62	-9.92/-8.49	-13.92/-14.88	-15.33/-18.73	-19.22/-17.7	-18.68/-18.1	-18.53/-13.26	-12.21/-12.3	-15.11/-9.59	-8.76/-10.36	-10.65/-7.41	-8.82/-9.94	-11.15/-16.71	-17.93/-18.94	-13.96/-18.26	-13.6/-17.65
Θ(150°)	-12.82/-12.32	-12.59/-13.03	-15.67/-13.9	-11.36/-11.36	-12.76/-13.98	-9.95/-11.35	-10.44/-8.28	-8.21/-11.5	-16.22/-12.57	-10.25/-10.31	-17.93/-18.18	-18.77/-18.68	-18.99/-18.6	-19.11/-18.64	-12.63/-11.54	-13.16/-12.27	-11.86/-11.51	-7.59/-6.39	-8.59/-11.41	-14.92/-15.77	-19.01/-14.48	-10.72/-13.2	-18.02/-17.63	
Θ(157.5°)	-18.08/-18.82	-13.41/-10.15	-9.35/-10.6	-13.32/-13.31	-12.63/-14.73	-11.19/-11.02	-13.47/-11.08	-14.73/-11.13	-11.79/-15.42	-17.27/-14.85	-12.8/-12.86	-14.22/-13.54	-18.05/-19	-17.9/-18.79	-19.06/-15.47	-8.77/-9.13	-7.39/-6.79	-7.39/-6.79	-18.42/-17.71	-16.71/-17.89	-18.6/-13.96	-11.35/-13.4		
Θ(165°)	-18.73/-18.81	-18.38/-18.76	-18.16/-18.93	-13.72/-10.72	-9.57/-9.36	-9.97/-10.83	-12.49/-14.94	-14.98/-12.47	-11.61/-14.47	-19/-17.8	-18.09/-17.79	-17.78/-19.16	-17.26/-13.25	-13.5/-15.64	-15.55/-16.05	-18.26/-15.22	-11.19/-9.67	-9.2/-9.18	-10.79/-14.07	-15.58/-17.02	-18.22/-17.78	-18.03/-17.66	-18.29/-17.85	-18.49/-18.18
Θ(172.5°)	-15.54/-18.57	-17.63/-18.66	-18.2/-17.91	-14.4/-12.95	-12.43/-13.28	-16.84/-17.79	-17.9/-15.12	-13.86/-11.92	-10.45/-9.83	-10.54/-12.33	-14.94/-16.23	-16.77/-18.01	-18.17/-19.04	-18.58/-17.52	-17.54/-18.36	-13.87/-11.57	-10.68/-11.79	-13.57/-15.14	-17.19/-18.75	-19.26/-18.57	-17.85/-18.48	-18.47/-16.57	-15.04/-15.72	-16.72/-16.33
Θ(180°)	-16.01/-18.13	-16.19/-15.12	-15.68/-15.34	-15.23/-16.3	-15.93/-15.07	-13.92/-12.28	-11.6/-10.99	-10.74/-11.33	-10.99/-10.08	-9.58/-9.63	-11.9/-13.58	-13.55/-14.32	-17.4/-17.11	-18.59/-15.76	-15.55/-13.68	-11.11/-10.65	-11.75/-14.07	-16.72/-17.33	-16.56/-16.08	-17.7/-18.82	-18.16/-15.92	-14.25/-13.7	-14.67/-16.91	-171/-15.74
Freq(Hz)	5.3GPol.	ThetaAnt.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°)	-5.88/-7.17	-8.29/-8.11	-7.79/-8.67	-9.55/-10.52	-11.86/-13.31	-14.38/-16.27	-17.89/-19.56	-18.54/-17.15	-15.92/-14.73	-11.79/-10.83	-10.54/-8.95	-9.79/-8.52	-10.17/-9.41	-9.37/-11.05	-14.22/-16.39	-18.96/-18.35	-18.20/-17.87	-18.24/-13.51	-11.70/-10.71	-9.14/-8.3	-7.9/-8.03	-13.37/-15.82	-17.1/-17.77	
Θ(7.5°)	-8.38/-8.17	-9.5/-10.35	-10.47/-12.2	-17.57/-17.85	-19.2/-17.83	-18.13/-18.43	-16.67/-13.27	-10.93/-9.61	-8.84/-7.13	-5.46/-5.06	-5.03/-3.3	-2.72/-3.86	-3.58/-2.71	-3.08/-3.49	-3.37/-3.39	-4.93/-6.2	-7.3/-7.63	-8.58/-10.57	-13.69/-15.47	-19.24/-18.86	-17.75/-17.47	-17.37/-17.47	-13.57/-11.62	-10.72/-10.05
Θ(15°)	-13.25/-11.52	-12.99/-13.49	-12.03/-13.28	-19.26/-17.29	-16.33/-17.96	-18.74/-18.63	-18.12/-14.8	-11.4/-4.96	-7.19/-4.93	-3.58/-2.96	-2.45/-1.56	-1.34/-2.23	-2.13/-2.19	-1.97/-2.09	-2.63/-2.88	-2.9/-2.85	-3.29/-4.68	-6.29/-7	-8.51/-12.27	-11.39/-12.33	-14.97/-12.72	-17.21/-14.08	-13.19/-14.68	
Θ(22.5°)	-19.08/-18.82	-16.9/-10.52	-12.83/-10.23	-13.51/-13.9	-14.82/-16.66	-15.77/-14.53	-14.91/-13.29	-11.38/-8.66	-6.19/-4.76	-3.88/-2.84	-2.23/-1.32	-0.68/-1.07	-3.13/-3.07	0.440/25	-0.040/-14	-0.82/-1.82	-2.42/-2.66	-3.22/-4.9	-6.64/-6.94	-8.9/-12.87	-12.91/-11.75	-10.51/-9.14	-8.68/-9.43	-14.36/-18.29
Θ(30°)	-13.9/-12.66	-9.8/-10.56	-11.22/-12.76	-11.26/-8.34	-7.92/-10.39	-13.75/-8.45	-5.45/-4.34	-4.08/-3.84	-2.94/-2.44	-2/-1.61	-0.86/-0.01	0.370/55	0.510/06	-0.030/78	1.2/0.62	0.280/27	-0.63/-2.15	-2.52/-3.43	-5.56/-6.51	-8.31/-12.21	-12.31/-11.67	-9.24/-6.7	-4.89/-5.75	-10.04/-13.8
Θ(37.5°)	-4.57/-7.57	-5.69/-5.23	-4.67/-6.09	-6.69/-3.84	-2.25/-3.25	-6.68/-5.44	-2.21/-0.64	-0.23/-0.68	-0.1/0.74	0.730/5	1.382/29	2.081/51	1.431/25	0.661/06	1.71/06	0.821/81	1.28/-0.2	-0.5/-0.19	-1.19/-2.74	-4.45/-4.95	-4.68/-6.34	-7.06/-4.18	-2.87/-3.21	-3.88/-4.03
Θ(45°)	-3.22/-7.54	-8.1/-4.41	-2.55/-2.69	-3.51/-2.44	-0.62/-1.3	-3.35/-3.75	-1.610/77	1.220/45	1.352/91	2.881/99	2.292/73	2.322/06	1.891/69	2.22/54	2.53/23	2.053/14	3.020/97	-0.031/57	0.63/-0.7	-0.310/28	-0.47/-3.72	-6.5/-2.99	-1.94/-2.26	-1.73/-1.55
Θ(52.5°)	-0.16/-0.78	-3.62/-4.26	-1.27/-0.02	-0.82/-1.34	-0.89/-1.54	-2.63/-3.32	-1.950/75	1.390/8	2.233/43	2.882/46	2.892/2	1.822/23	1.910/62	0.731/84	2.863/16	2.979/99	4.021/95	-0.171/05	1.370/18	0.151/15	0.26/-3.02	-5.21/-2.47	-0.60/39	0.18/-0.62
Θ(60°)	1.371/49	-0.2/-0.33	-1.661/82	1.910/3	-1.072/-2.48	-2/0.7	0.30/93	1.661/36	2.562/94	1.722/5	3.132/33	2.923/35	2.880/99	-0.060/13	2.344/11	2.892/93	3.342/34	-0.040/83	1.570/62	0.170/08	-2.09/-5.18	-5.56/-2.92	0.4/23	2.040/97
Θ(67.5°)	1.242/21	1.52/-0.45	-0.99/2.62	3.011/68	0.14/-1.65	-1.170/15	2.1/83	1.261/97	2.731/86	0.292/65	2.882/12	3.593/03	2.340/7	0.51/-0.15	2.444/77	4.071/96	1.421/6	-0.850/59	1.51/25	0.171/-45	-4.34/-3.99	-3.19/-2.19	0.652/43	2.471/37
Θ(75°)	0.361/79	1.490/55	-0.851/76	2.841/94	0.13/-1.84	-0.920/-0.08	2.231/82	0.771/3	1.850/44	-0.452/48	2.571/15	3.1/64	1.220/9	1.420/53	1.794/1	4.122/13	-0.26/-0.05	-0.150/94	2.041/46	0.22/-2.44	-2.91/-2.7	0.251/76	2.371/67	



Radiated Composite Gain Data of Scan Radio/LE

Appendix A.6

Θ(82°5')	-17.58/-16.63	-18.4/-17.93	-12.84/-12.26	-11.89/-7.98	-6.49/-3.62	-4.12/-2.95	-5.06/-5.08	-9.9/-8.82	-8.41/-10.21	-12.5/-14.97	-15.59/-17.1	-14.17/-18.84	-17.95/-18.04	-18.29/-18.47	-14.06/-11.13	-12.09/-14.65	-17.94/-15	-15.53/-11.66	-4.46/-6.25	-2.45/-3.32	-2.7/-5.4	-8.98/-12.13	-9.98/-6.59	-9.18/-9.29
Θ(90°)	-18.01/-12.76	-18.75/-18.64	-12.79/-15.5	-19.31/-9.67	-8.11/-4.54	-5.68/-4.13	-8.04/-10.25	-11.83/-8.62	-7.81/-9.63	-13.77/-16.97	-14.83/-14.84	-13.54/-17.68	-18.71/-18.3	-18.58/-18.82	-17.26/-11.7	-13.46/-12.8	-15.15/-14.44	-14.47/-17.96	-8.65/-7.14	-4.85/-6.33	-3.14/-4.21	-8.1/-11.97	-18.48/-11.58	-11.52/-8.87
Θ(97.5°)	-17.72/-14.18	-18.11/-18.26	-15.61/-18.07	-10.88/-2.15	-7.69/-5.94	-7.96/-6.81	-11.68/-11.79	-11.1/-6.36	-12.37/-10.14	-12.78/-17.86	-15.23/-12.51	-12.95/-18.55	-18.08/-18.96	-18.82/-18.37	-16.76/-12.67	-12.41/-12.96	-16.13/-12.41	-15.92/-17.12	-12.53/-15.83	-6.87/-6.9	-6.62/-4.85	-9.26/-14.26	-11.81/-17.53	-14.23/-9.9
Θ(105°)	-13.58/-13.06	-18.51/-18.01	-18.8/-13.52	-10.65/-6.49	-9.27/-7.32	-9.07/-12.77	-13.51/-10.82	-11.45/-8.3	-7.72/-7.98	-11.94/-15.63	-13.5/-11.46	-13.72/-18.59	-17.07/-18.02	-18.4/-19.35	-16.81/-15.46	-16.89/-11.06	-12.04/-12.04	-14.27/-14.16	-12.53/-18.47	-14.12/-12.49	-10.25/-10.93	-9.51/-11.24	-13.43/-18.44	-18.06/-15.84
Θ(112.5°)	-18.38/-18.79	-17.61/-15.29	-15.53/-15.93	-9.62/-9.34	-12.57/-7.16	-11.4/-13.83	-13.41/-9.74	-9.75/-6.18	-7.6/-9.67	-13.56/-12.11	-13.14/-11.42	-14.29/-18.54	-18.56/-18.3	-19.13/-17.81	-18.01/-18.94	-11.74/-11.63	-15.38/-10.68	-11.68/-12.1	-8.08/-9.71	-16.8/-11.73	-13.27/-8.89	-9.69/-15.98	-9.39/-13.8	-17.28/-18.37
Θ(120°)	-14.84/-18.46	-16.99/-17.26	-11.53/-15.41	-13.12/-17.45	-15.51/-11.25	-15.47/-9.53	-13.62/-9.03	-8.71/-6.32	-9.43/-8.82	-12.26/-11.02	-11.18/-11.11	-12.36/-17.6	-18.27/-18.97	-14.54/-19	-15.91/-19.1	-15.44/-9.89	-14.72/-18.87	-10.71/-9.75	-10.97/-13.63	-18.01/-9.1	-7.57/-17.17	-11.48/-14.83	-12.51/-18.15	
Θ(127.5°)	-15.84/-14.54	-15.95/-18.58	-11.69/-17.23	-18.14/-17.26	-15.77/-13.12	-15.52/-10.77	-9.37/-6.79	-11.24/-8.37	-9.52/-8.8	-12.11/-9.13	-9.84/-14.42	-17.25/-17.82	-17.93/-18.98	-17.64/-17.44	-17.23/-13.97	-9.43/-9.59	-11.07/-18.78	-9.13/-6.51	-8.39/-9.69	-10.19/-9.03	-11.84/-8.42	-11.52/-17.98	-18.63/-18.19	-14.37/-18.41
Θ(135°)	-18.27/-14.42	-15.2/-18.36	-17.85/-16.77	-17.58/-18.9	-18/-15.51	-14.1/-9.71	-9.99/-8.6	-11.59/-9.11	-10.95/-9.63	-8.92/-11.6	-11.69/-10.65	-14.62/-18.53	-18.61/-19.38	-18.77/-17.14	-17.61/-15.06	-10.38/-14.99	-13.26/-19.12	-14.1/-11.25	-7.05/-6.28	-9.96/-14.4	-16.9/-13.76	-12.26/-9.8	-15.64/-15.32	-17.06/-16.63
Θ(142.5°)	-10.53/-14.19	-18.35/-16.49	-19.01/-18.09	-17.6/-18.5	-17.71/-11.86	-10.13/-12.44	-11.24/-8.59	-9.51/-7.84	-9.61/-10.43	-10.59/-9.83	-8.79/-15.89	-19.25/-16.69	-14.59/-19.04	-18.28/-13.5	-13.65/-13.96	-10.8/-14.98	-18.14/-14.25	-10.35/-10.53	-11.74/-17.81	-13.46/-13.9	-12.31/-13.64	-18.48/-18.48	-13.99/-11.65	-11.6/-13.18
Θ(150°)	-13.6/-14.06	-17.5/-18.29	-14.38/-11.45	-10.4/-12.84	-17.93/-13.53	-11.81/-11.69	-10.92/-9.81	-10.04/-10.27	-12.42/-10.59	-8.66/-11.62	-16.1/-16.38	-15.6/-17.76	-17.77/-18.39	-18.81/-17.16	-18.85/-18.27	-11.59/-9.51	-11.69/-13.98	-16.3/-15.43	-12.89/-8.98	-6.85/-9.6	-16.61/-18.69	-19/-19.31	-14.4/-15.9	-14.36/-18.2
Θ(157.5°)	-18.5/-18.65	-15.13/-16.58	-14.52/-15.78	-18.59/-14.72	-15.6/-15.04	-12.33/-11.45	-10.97/-11	-11.01/-10.72	-12.02/-11.1	-10.16/-10.22	-14.48/-17.33	-18.81/-19.44	-19/-18.14	-18.98/-17.58	-18.13/-17.36	-14.6/-18.26	-13.28/-9.35	-7.82/-7.69	-8.74/-11.32	-14.32/-15.23	-15.62/-12.97	-12.28/-14.17	-17.85/-16.42	-11.87/-13.3
Θ(165°)	-17.93/-18.86	-17.79/-17.84	-17.44/-15.47	-14.29/-12.29	-13.95/-15.58	-12.38/-13.07	-12.21/-13.55	-12.59/-12.54	-12.98/-14.4	-16.2/-15.85	-16.33/-19.34	-19.17/-17.74	-18.3/-15.6	-16.82/-15.86	-14.04/-14.65	-18.89/-15.79	-10.01/-8.49	-9.25/-9.35	-8.99/-9.9	-13.09/-15.96	-18.17/-18.01	-17.39/-17.38	-17.43/-18.09	-19.11/-15.67
Θ(172.5°)	-17.37/-17.83	-18.52/-18.97	-19.28/-19.05	-18.81/-18.77	-18.09/-18.42	-18.32/-16.08	-14.76/-14.43	-14.86/-15.88	-18.18/-18.44	-18.67/-18.84	-17.99/-18.45	-17.92/-19.7	-17.48/-15.49	-14.66/-15.01	-15.59/-16.4	-18.27/-18.99	-14.28/-11.82	-12.33/-12.3	-11.52/-13.02	-15.04/-15.85	-18.13/-19.01	-17.84/-19.42	-18.12/-18.97	-16.24/-13.79
Θ(180°)	-18.01/-15.29	-13.33/-12.57	-11.69/-11.46	-10.74/-9.99	-9.55/-9.62	-9.35/-9.75	-9.74/-10.11	-10.59/-11.03	-11.36/-11.94	-14.29/-15.77	-16.87/-17.99	-14.51/-15.55	-17.24/-15.43	-14.81/-14.06	-13.16/-11.9	-11.14/-11.11	-11.9/-12.95	-12.75/-12.07	-12/-13.43	-14.2/-16.61	-19/-18.53	-18.38/-17.62	-19.11/-18.62	-18.19/-18.2
Freq(Hz)	5.785GPol.	ThetaAnt.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°)	-3.81/-4.16	-4.38/-4.31	-4.68/-4.14	-6.09/-7.33	-8.69/-9.99	-11.77/-15.39	-18.75/-19.1	-18.51/-15.92	-12.37/-10.53	-8.99/-7.21	-6.19/-5.97	-4.85/-4.95	-5.04/-0.41	-4.32/-5.66	-5.53/-6.7	-7.35/-9.28	-10.61/-12.54	-15.41/-19.17	-18.7/-18.75	-16.27/-12.72	-10.37/-9.89	-8.01/-6.72	-5.71/-4.93	-4.23/-4.66
Θ(7.5°)	-7.54/-7.12	-8.82/-9.25	-9.06/-9.76	-10.56/-11.17	-12.02/-10.47	-11.39/-11.76	-10.77/-11.48	-11.06/-9.01	-8.17/-10.5	-6.25/-5.11	-4.23/-4.51	-2.95/-3.36	-3.92/-3.42	-2.95/-3.36	-3.92/-3.88	-4.15/-4.82	-5.94/-6.99	-8.05/-9.93	-12.36/-13.75	-15.02/-13.78	-11.65/-10.52	-9.86/-8.75	-7.49/-7	-4.7/-8.9
Θ(15°)	-13.26/-15.11	-15.48/-13.76	-12.04/-11.68	-11.16/-12.88	-15.5/-16.78	-17.95/-16.73	-13.62/-13.29	-10/-7.54	-6.63/-5.75	-4.66/-3.33	-2.35/-2.34	-2.1/-1.67	-0.92/-0.34	-0.07/-0.52	-1.06/-1.8	-2.63/-3.44	-3.89/-4.49	-5.3/-6.6	-8.02/-8.84	-10.83/-13.03	-13.31/-14.82	-14.12/-11.58	-9.35/-9.04	-10.94/-11.89
Θ(22.5°)	-11.23/-14.23	-12.55/-10.14	-8.18/-15	-10.84/-13.62	-19.52/-18.13	-18.19/-15.69	-12.16/-10.18	-6.65/-8.41	-4.03/-3.32	-2.41/-1.77	-0.41/-0.78	-0.07/-0.88	-0.38/-0.41	1.30/-98	0.970.79	0.930.17	-0.98/-1.37	-1.87/-3.13	-3.74/-5.32	-6.39/-7.96	-10.18/-10.55	-15.83/-10.99	-8.94/-7.69	-6.32/-7.54
Θ(30°)	-7.52/-9.12	-11.63/-10.22	-10.61/-13.06	-12.02/-11.66	-13.93/-13.07	-12.02/-11.66	-12.13/-9.12	-6.55/-5.26	-3.27/-2.66	-2.02/-0.81	0.21/-0.44	0.62/-1.53	1.11/-1.13	1.63/-1.62	1.992.51	2.82.78	2.36/-1.2	-1.07/-1.84	-3.91/-4.24	-4.46/-6.25	-6.95/-7.56	-9.12/-9.31	-7.43/-5.84	-6.25/-6.98
Θ(37.5°)	-2.68/-2.96	-3.84/-4.59	-7.01/-8.51	-5.53/-4.73	-6.08/-5.82	-3.63/-1.05	0.36/-0.03	-0.12/-0.09	0.65/-1.53	1.78/-1.61	2.132.69	2.562.44	1.85/-1.53	2.573.39	3.63.63	2.72.63	3.16/-1.27	-1.62/-1.77	-0.42/-0.5	-2.85/-4.94	-2.53/-0.97	-2.35/-6.41	-4.83/-1.73	-1.5/-2.42
Θ(45°)	-0.33/-1.14	-2.1/-3.44	-5.82/-6.09	-2.06/-2.03	-0.120.38	-0.060.07	1.81/-1.85	1.912.79	3.273.04	2.632.08	2.312.81	2.913.12	2.98/-1.63	1.192.69	4.134.39	4.192.8	2.04/-1.24	0.2/-0.64	-0.10/-4.9	-1.18/-2.32	-0.75/-0.04	-1.31/-4.64	-2.090.25	0.040.07
Θ(52.5°)	2.01/-1.02	-1.7/-3.11	-3.71/-4.19	0.422.43	1.590.99	-0.96/-4.03	1.57/-1.55	2.273.92	3.512.31	2.072.17	2.36/-1.3	3.782.96	2.582.31	2.542.67	3.634.55	4.042.59	1.45/-0.23	0.90/-0.25	-0.420.26	-0.89/-2.23	-1.47/-1.07	-1.26/-3	-1.73/-1.12	-0.22/-1.96
Θ(60°)	3.43/-1.55	0.11/-0.46	-0.6/-0.95	2.173.2	1.010.85	-0.7/-1.55	1.140.78	1.933.97	2.671.79	2.771.85	1.131.81	2.421.61	1.233.02	3.133.39	2.093.04	3.573.15	1.84/-0.14	0.43/-0.12	0.28/-0.27	-1.71/-3.81	-5.03/-4.72	-1.59/-1.91	-1.75/-0.99	0.952.91
Θ(67.5°)	3.62.62	1.06/-0.22	1.24/-1.73	3.94/-15	0.10/-0.4	-1.51/-1.49	1.530.94	2.043.58	0.731.24	2.961.16	0.25/-0.8	0.542.43	3.063.99	1.58/-1.35	2.442.18	1.130.48	0.412.79	1.730.67	-0.72/-0.49	-8.32/-8.85	-1.12/-1.7	-1.34/-1.72	1.632.93	
Θ(75°)	2.371.93	1.19/-0.07	1.262.45	4.114.39	-0.83/-1.97	-1.71/-1.37	1.690.83	1.762.43	-0.80/-9	2.050.86	-0.65/-1.69	0.35/-0.47	-1.14/-1.74	2.353.18	1.21/-0.43	0.440.44	-0.240.24	0.383.77	2.811.12	-0.31/-3.46	-4.71/-7.15	-0.120.59	-8.80.88	1.421.28
Θ(82.5°)	0.791.32	0.25/-0.85	0.941.85	3.163.8	-1.87/-4.95	-2.73/-1.32	1.08/-0.65	0.420.07	-2.310.54	1.830.19	-0.32/-1.63	0.28/-0.72	-1.730.66	1.282.31	0.79/-1.81	-1.39/-1.18	-2.74/-0.61	0.964.52	3.282.34	0.76/-3.73	-2.83/-0.53	-0.17/-0.34	-1.060.14	0.17/-0.64
Θ(90°)	-1.31/-1.64	-1.02/-2.47	-1.38/-0.51	0.421.37	-3.51/-6.6	-3.53/-3.06	-0.43/-2.35	-0.91/-1.51	-4.16/-1.7	0.25/-0.56	-0.860.56	-0.54/-1.13	-2.4/-1.2	-0.16/-0.4	0.24/-1.79	-1.61/-4.27	-4.75/-2.83	-0.73.52	3.35/-1.78	0.17/-4.65	-2.27/-0.5	-0.94/-1.29	-3.26/-1.49	0.51/-0.97
Θ(97.5°)	-3.68/-4.36	-4.93/-4.28	-3.55/-3.75	-3.34/-2.18	-5/-10.66	-4.93/-3.53	-1.9/-5.04	-3.42/-0.05	-1.04/-1.79	-1.29/-3.16	-3.61/-2.44	-0.42/-0.17	-0.74/-2.96	-3.47/-5.36	-6.45/-6.71	-3.07/-1.6	1.08/-0.67	-1.67/-6.89	-3.16/-1.8	-2.75/-5.66	-5.68/-3.29	-2.58/-3.54		
Θ(105°)	-5.99/-10.82	-11.24/-9.39	-6.71/-7.09	-8.54/-4.41	-8.07/-13.4	-17.77/-10.5	-3.45/-5.05	-5.91/-7.35	-9.46/-5.45	-3.35/-3.32	-2.77/-2.36	-2.82/-5.01	-5.43/-4.51	-2.19/-0.46	-1.42/-5.39	-3.97/-6.22	-8.38/-9.49	-6.32/-1.96	-1.49/-5.9	-7.03/-9.77	-6.72/-5.34	-7.91/-10.47	-7.82/-4.61	-6.37/-3.39
Θ(112.5°)	-3.87/-1.46	-5.93/-8.47	-6.11/-6.96	-3.68/-2.3	-6.93/-17.48	-10.04/-7.45	-6.85/-10.38	-7.63/-8.01	-10.17/-5.99	-5.36/-4.7	-3.31/-2.46	-2.49/-4.31	-6.74/-5.4	-1.89/-2.07	-2.8/-4.67	-8.47/-1.4	-7.08/-12.61	-12.26/-3.27	-5.12/-10.08	-8.05/-8.29	-13.73/-7.29	-9.55/-10.13	-8.56/-7.98	-7.98/-9.98
Θ(120°)	-8.58/-5.45	-6.06/-6.99	-6.86/-6.49	-6.83/-5.64	-10.05/-17.48	-8.36/-8.99	-8.26/-12.77	-11.04/-7.77	-11.19/-5.99	-7.06/-6.2	-4.17/-4.35	-3.23/-4.9	-6.74/-10.36	-4.78/-3.2	-3.35/-4.71	-10.36/-9.28	-8.17/-16.55	-10.37/-4.71	-5.12/-10.01	-6.72/-7.75	-13.82/-8.47	-11.77/-10.93	-9.82/-10.96	-6.82/-5.39
Θ(127.5°)	-17.41/-13.9	-12.43/-11.47	-14.26/-12.95	-17.98/-17.56	-11.85/-10.86	-7.59/-10.81	-15.16/-10.14	-10.85/-8.34	-6.44/-7.6	-4.59/-5.44	-3.86/-7.76	-18.87/-11.59	-6.85/-5.18	-6.1/-9.52	-8.42/-7.87	-10.86/-13.88	-13.46/-15.54	-8.82/-8.36	-7.36/-9.9	-17.99/-13.15	-13.42/-17.25	-13.32/-15.71	-8.65/-8.76	
Θ(1																								



Radiated Composite Gain Data of Scan Radio/LE

Appendix A.6

Θ(127.5°)	-13.52/-13.69	-14.66/-18.07	-10.52/-11.56	-18.04/-18.94	-18.32/-17.48	-11.89/-9.29	-11.68/-10.28	-7.44/-8.03	-9.97/-15.2	-13.86/-14.58	-12.63/-12.96	-16.61/-19	-17.92/-19.07	-18.47/-18.81	-17.26/-19.09	-17.51/-8.86	-10.21/-11.5	-13.74/-7.46	-6.75/-6.26	-16.34/-14.01	-10.75/-6.43	-13.93/-19.11	-15.82/-18.77	-13.35/-19.1
Θ(135°)	-15.82/-18.72	-19.2/-17.41	-17.02/-16	-18.24/-17.16	-18.97/-12.3	-10.01/-13.2	-12.8/-10.68	-11.42/-11.15	-11.25/-14.53	-17.7/-9.04	-11.29/-13.3	-11.96/-18.9	-18.12/-18.48	-16.63/-13.6	-15.06/-19.64	-12.28/-9.41	-17.84/-13.91	-12.21/-14.63	-10.74/-6.07	-8.81/-16.04	-19.22/-13.61	-18.73/-18.07	-10.9/-15.32	-14.92/-18.56
Θ(142.5°)	-13.17/-14.85	-18.86/-17.81	-18.51/-19.42	-18.58/-17.83	-15.4/-13.54	-15.91/-12.98	-10.82/-12.19	-11.19/-11.87	-11.44/-10.69	-11.01/-8.06	-8.94/-13.46	-16.21/-18.31	-18.98/-18.36	-17.91/-18.33	-18.58/-16.67	-11.79/-12.61	-10.66/-11.94	-11.99/-10.13	-10.6/-6.19	-16.56/-13.05	-14.62/-13.74	-17.3/-18.2	-19.67/-19.07	-12.36/-19.05
Θ(150°)	-17.72/-12.82	-17.46/-17.37	-13.95/-12.58	-12.57/-14.81	-13.73/-12.29	-13.02/-14.19	-13/-10.51	-9.56/-11.84	-9.35/-8.44	-10.35/-8.83	-8.45/-14.84	-19.03/-17.85	-17.66/-18.68	-15.64/-17.82	-14.18/-19.13	-16.69/-9.76	-9.26/-11.6	-12.96/-12.65	-12.59/-15.44	-12.61/-12.52	-17.63/-16.61	-17.91/-18.25	-18.75/-18.41	-11.87/-17.19
Θ(157.5°)	-19.38/-18.55	-18.57/-15.1	-19.11/-19.18	-15.63/-18.25	-18.64/-10.93	-10.2/-14.47	-18.4/-12.77	-10.81/-11.6	-8.53/-7	-9.36/-13.22	-14.15/-15.14	-14.11/-17.46	-18.36/-18.7	-18.22/-17.54	-15.74/-18.32	-14.44/-11.05	-15.36/-13.55	-8.93/-7.78	-7.72/-10	-11.93/-11.91	-11.95/-12.53	-12.92/-13.72	-15.62/-19.36	-19.03/-18.26
Θ(165°)	-14.34/-14.57	-17.39/-18.1	-17.26/-16.14	-15.73/-18.89	-17.75/-18.17	-15.55/-13.01	-10.82/-10.24	-11.87/-15.12	-16.89/-14.26	-12.13/-14.42	-18.69/-17.65	-18.53/-19	-15.15/-18.62	-17.32/-17.29	-17.41/-17.37	-16.54/-16.77	-16.54/-11.28	-8.98/-9.9	-13.83/-17.72	-19/-18.02	-11.95/-18.15	-19.07/-18.3	-16.92/-18.4	-18.41/-17.87
Θ(172.5°)	-18.43/-18.04	-18.72/-17.56	-15.99/-16.12	-14.14/-11.19	-10.48/-10.33	-10.7/-10.17	-10.17/-10.88	-11.68/-11.37	-10.8/-10.52	-10.21/-11.37	-13.57/-18.25	-18.62/-19.11	-18.57/-18.89	-18.68/-14.81	-13.88/-13.51	-12.08/-11.22	-11.51/-12.88	-15.9/-17.3	-16.9/-15.74	-15.07/-14.1	-14.19/-15.24	-13.9/-14.45	-17.53/-17.64	-17.79/-17.45
Θ(180°)	-19.02/-18.57	-17.42/-14.82	-11.63/-10.98	-10.42/-9.76	-9.82/-10.85	-11.47/-11.39	-10.66/-10.83	-11.6/-11.75	-11.75/-11.43	-13.55/-15.92	-19.12/-19.13	-18.44/-18.97	-18.17/-18.59	-17/-17.98	-17.05/-15.79	-16.21/-15.79	-14.11/-13.87	-14.82/-15.45	-14.14/-14.58	-17.11/-16.56	-16.96/-16.77	-14.77/-15.29	-17.38/-18.42	-18.98/-18.44
Freq(Hz)	6.175GPol.	ThetaAnt.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°)	-3.46/-2.86	-2.89/-3.15	-3.73/-4.1	-4.62/-5.3	-6.49/-8.21	-9.51/-11.34	-15.29/-18.17	-18.72/-15.21	-12.09/-9.9	-8.46/-7.99	-8.62/-5.4	-4.78/-4.81	-4.31/-3.99	-4.4/-4.43	-4.35/-4.78	-5.9/-7.67	-7.18/-7.88	-9.33/-11.28	-13.55/-18.12	-19.37/-17.79	-15.23/-11.45	-8.83/-6.97	-5.87/-5.32	-4.72/-3.89
Θ(7.5°)	-5.18/-4.5	-4.39/-4.48	-4.48/-4.37	-4.54/-4.96	-6.01/-7.83	-6.31/-11.04	-13.78/-18.15	-18.29/-14.96	-9.85/-7.08	-8.31/-6.7	-0.85/-1.26	-0.78/-1.18	-1.37/-3.27	-4.41/-6.32	-4.16/-6.32	-7.55/-9.16	-11.59/-14.06	-14.34/-15.74	-13.35/-12.16	-11.56/-8.96	-8.48/-8.34	-7.45/-6.49	-6.48/-6.46	-
Θ(15°)	-6.34/-6.53	-5.45/-4.4	-4.75/-6.24	-9.02/-11.34	-14.05/-18.36	-17.8/-15.34	-10.67/-8.13	-7.57/-6.13	-4.57/-2.95	-1.82/-1.1	0.060/6.4	0.190/6.3	1.25/-1.7	0.740/5.3	0.27/-0.57	-1.81/-3.3	-5.11/-7.08	9.07/-12.42	-14.23/-17.53	-14.65/-15.07	-14.31/-13.62	-13.97/-11.9	-7.88/-6.07	-6.99/-1.77
Θ(22.5°)	-7.61/-6.05	-6.26/-6.42	-6.91/-10.36	-18/-18.53	-19.58/-14.9	-11.01/-8.55	-5.79/-4.26	-3.34/-2.4	-1.39/-0.43	0.111/0.3	2.15/-2.3	2.06/2.04	1.56/-1.3	1.410/6.6	0.64/-1.69	1.660/47	0.03/-0.08	-1.06/-2.5	-2.58/-4.55	-6.3/-9.77	-11.51/-12.08	-17.31/-18.7	-13.35/-8.18	-6.96/-8.26
Θ(30°)	-8.13/-6.77	-7.34/-8.07	-7.46/-9.77	-18.28/-19.07	-10.63/-8.37	-6.31/-5.17	-3.27/-2.18	-1.84/-0.94	0.070/5.9	1.032/14	2.672/9.2	2.56/2.3	2.712/65	2.262/55	2.712/65	2.323/58	1.621/63	0.45/-1.81	-2.35/-3.3	-3.36/-4.68	-8.88/-15.28	-17.89/-8.71	-5.5/-6.77	-
Θ(37.5°)	-5.42/-5.23	-4.03/-5.6	-4.81/-4.32	-7.31/-6.95	-4.26/-2.75	-0.7/-0.13	-0.2/-0.29	-0.66/-0.02	0.710/6.8	0.761/5.1	2.183/0.4	3.23/-16	3.282/9.1	2.853/06	2.93/37	3.922/7.7	1.461/3.6	0/-3.41	-2.88/-2.59	-2.96/-5.77	-7.98/-3.11	-2.15/-5.62	-11.35/-5.08	-2.63/-3.13
Θ(45°)	-2.08/-2.48	-1.95/-2.57	-2.59/-1.91	-1.71/-4.02	0.610/3.4	0.361/0.7	0.510/0.3	0.741/4.3	1.311/0.2	1.371/-96	2.63/0.2	2.872/14	2.282/68	1.863/13	3.352/7.8	3.953/7.8	1.860/52	0.571/-1.81	-4.27/-2.99	-4.0/-2.25	-4.29/-0.87	-0.07/-0.34	-4.15/-0.6	-0.01/-0.82
Θ(52.5°)	-0.74/-4.21	-4.54/-1.42	-0.4/-0.81	0.321/4.9	2.280/6.4	-1.1/-0.05	-0.71/-1.24	1.11/8.9	1.071/96	2.151/54	2.682/58	1.014/48	-0.471/3.6	1.753/13	2.832/42	1.892/92	2.920/23	-0.90/-6.67	-2.98/-3.45	0.02/-0.99	-0.30/-0.16	1.38/-0.67	-0.65/-0.23	-0.70/-0.63
Θ(60°)	2.23/-0.97	-3.510/2.4	2.831/9.1	2.082/2.2	1.54/-0.46	-2.38/-0.49	-0.77/-1.8	1.021/7.2	0.92/9.1	2.991/3.1	2.433/0.5	2.121/53	-0.21/-0.9	-0.12/5.4	2.231/33	0.320/7	2.091/0.3	0.44/-0.63	-0.83/-3.03	-1.03/-0.78	-2.67/-1.64	-0.090/3	0.640/2.5	0.852/0.5
Θ(67.5°)	3.621/-0.6	-1.750/9.1	4.254/0.3	3.152/2.1	-0.521/-8.8	-2.53/-0.9	-0.16/-1.4	0.830/8.7	0.363/11	2.61/-47	2.632/79	2.981/32	-1.84/-1.68	-1.61/-34	0.720/49	-0.15/-0.12	1.021/2	0.24/-0.47	1.13/-10.7	-0.66/-2.34	-4.31/-4.38	-0.850/6.4	0.441/2.2	2.822/7.4
Θ(75°)	3.560/5.55	-2.220/0.4	4.284/5.2	3.632/4.5	-3.47/-3.45	-2.38/-0.79	-0.33/-0.82	0.10/3.4	0.542/63	2.481/12	2.192/19	3.070/4	-2.64/-2.25	-1.87/-0.01	0.19/-0.03	0.060/97	-0.320/93	-0.380/-0.36	2.140/12	-0.19/-2.09	-4.27/-5.61	0.61/2.7	0.581/87	3.192/0.5
Θ(82.5°)	2.16/-0.5	-0.91/-0.73	3.323/7.1	2.721/1	-7.81/-5.43	-3.05/-1.14	-0.48/-0.58	-0.8/-1.27	-1.160/7.7	1.177/-0.07	0.881/17	1.89/-1.13	-3.45/-1.87	-2.29/-0.31	-1.01/-1.26	0.580/33	-1.40/52	-1.010/-38	2.460/58	0.88/-3.52	-4/-5.83	0.180/95	-0.541/0.9	2.720/4
Θ(90°)	0.04/-1.86	-1.2/-2.04	1.161/56	0.8/-1.64	-11.37/-8.32	-4.37/-1.55	-1.39/-1.47	-1.75/-3.31	-2.88/-2.27	-0.79/-1.54	-1.07/-0.46	1.09/-1.13	-2.74/-3	-1.73/-0.7	-1.23/-2.69	0.330/-0.31	-1.98/-1.97	-0.80/-0.47	1.71/0.4	1.25/-4.83	-4.59/-4.68	-0.740/0.5	-3.33/-2.07	0.96/-0.47
Θ(97.5°)	-3.15/-4.96	-5.84/-5.25	-1.63/-1.41	-3.14/-6.18	-13.94/-10.04	-6.89/-2.65	-2.16/-3.35	-3.23/-5.34	-3.97/-34.7	-3.3/-3.38	-3.16/-1.17	0.37/-1.63	-3.68/-2.65	-2.13/-1.44	-1.39/-3.1	-1.031/-1.21	-2.62/-3.66	-2.38/-1.66	0.640/5	-0.41/-4.95	-5.84/-5.47	-2.49/-3.73	-9.31/-5.29	-1.16/-3.32
Θ(105°)	-7.09/-9.18	-13.3/-10.58	-4.06/-3.58	-7.78/-11.98	-17.32/-11.39	-6.29/-6.75	-4.61/-8.56	-5.87/-8.55	-5.69/-5.11	-5.57/-4.76	-5.73/-3.54	-1.19/-2.43	-3.17/-3.83	-3.27/-1.62	-2.05/-3.59	-2.61/-2.93	-3.06/-8.48	-5.26/-4.03	-2.5/-1.87	-4.91/-7.34	-9.12/-6.21	-4.33/-8.85	-14.19/-6.08	-4.06/-7.14
Θ(112.5°)	-6.25/-7.8	-8.89/-15.63	-5.47/-3.08	-4.18/-8.15	-15.72/-15.24	-7.4/-5.53	-6.15/-8.92	-6.49/-5.55	-7.62/-7.16	-6.27/-5.92	-7.28/-4.43	-4.55/-5.75	-6.11/-3.27	-6.16/-3	-5.07/-5.61	-5.71/-4.28	-7.13/-9.15	-8.35/-6.51	-4.4/-4.93	-6.42/-7.83	-11.26/-11.59	-8.11/-8.66	-18.83/-7.23	-9.27/-10.5
Θ(120°)	-10.08/-7.5	-8.36/-10.36	-4.44/-0.32	-6.93/-10.32	-13.64/-14.28	-14.84/-7.61	-6.57/-10.18	-9.2/-11.41	-10.34/-9.37	-7.43/-7.14	-6.74/-4.33	-8.14/-4.11	-6.97/-4.68	-5.62/-6.68	-7.93/-5.42	-9.23/-15.83	-15.03/-8.01	-4.66/-7.08	-7.05/-11.27	-12.06/-13.99	-12.82/-12.02	-9.28/-9.7	-7.26/-5.7	-
Θ(127.5°)	-16.83/-13.56	-11.71/-13.92	-12.15/-14.41	-19.27/-19.09	-18.37/-17.18	-11.15/-10.24	-9.65/-15.35	-13.57/-14.35	-10.44/-9.72	-9.38/-8.93	-6.41/-5.57	-3.59/-5.35	-7.62/-7.63	-4.55/-5.7	-3.4/-6.62	-9.18/-6.54	-8.81/-16.99	-16.82/-16.49	-11.67/-8.55	-8.66/-15.2	-19.07/-19.06	-18.43/-18.88	-17.69/-17.33	-11.05/-11.52
Θ(135°)	-10.22/-9.4	-9.28/-14.95	-13.27/-7.75	-6.79/-9.59	-13.76/-15.4	-16.29/-13.78	-14.48/-18.35	-17.6/-16.09	-10.33/-9.28	-9.79/-8.42	-8.24/-5.92	-6.44/-6.87	-10.15/-13.88	-8.33/-9.88	-6.04/-5.9	-10.94/-9.06	-10.63/-15.3	-18.76/-18.13	-17.6/-15.91	-14.49/-14.87	-12.31/-12.51	-12.1/-14.93	-12.34/-9.67	-11.01/-8.82
Θ(142.5°)	-8.88/-13.45	-16.03/-9.94	-13.05/-14.45	-19.16/-14.41	-8.83/-11.4	-14.21/-12.65	-13.87/-18.3	-18.91/-17.02	-12.72/-11.4	-11.59/-9.51	-8.4/-8.44	-6.2/-6.72	-9.2/-6.65	-12.16/-11.85	-7.37/-7.89	-10.92/-11.7	-12.86/-15.95	-16.03/-18.79	-15.69/-11.92	-10.45/-10.37	-8.14/-8.18	-10/-14.99	-18.7/-18.81	-12.88/-10.2
Θ(150°)	-15.16/-13.15	-13.27/-7.89	-10.67/-16.51	-16.36/-18.69	-18.77/-16.78	-18.63/-18.34	-19.26/-17.44	-15.74/-16.25	-17.19/-13.78	-12.18/-11.03	-8.01/-7.53	-10.06/-9.17	-6.36/-7.22	-10.44/-9.72	-10.78/-10.83	-11.46/-15.95	-17.9/-13.31	-12.9/-15.98	-15.15/-14.67	-15.23/-14.03	-12.22/-17.3	-12.43/-14.06	-13.67/-15.5	-18.16/-16.86
Θ(157.5°)	-9.91/-12.63	-15.94/-12.63	-19.23/-15.61	-15.77/-14.04	-11.99/-12.08	-15.2/-18.47	-18.67/-18.59	-17.86/-18.1	-13.99/-11.75	-11.35/-12.51	-11.59/-10.08	-9.5/-9.98	-12.98/-14.02	-10.94/-12.9	-17.71/-11.72	-10.81/-13.7	-16.46/-17.05	-18.98/-17.98	-18.17/-15.85	-14.44/-12.33	-11.84/-12.68	-16.99/-18.58	-15.36/-10.39	-8.17/-8.35
Θ(165°)	-11.32/-10.8	-10.64/-10.9	-13.09/-11.38	-12.69/-12.04	-11.14/-13.95	-14.7/-14.58	-14.55/-10.83	-17.59/-18.36	-17.47/-18.05	-19.19/-13.56	-11.85/-14.5	-13.87/-14.31	-18.09/-13.97	-12.41/-13.67	-15.16/-17.06	-18.77/-16.58	-13.51/-13.28	-15.49/-17.69	-17.46/-17.48	-18.89/-16.23	-14.46/-12.28	-12.78/-15.6	-15.9/-14.71	-18.26/-14.35
Θ(172.5°)	-16.44/-17.08	-17.34/-18.78	-18.04/-17.59	-19.18/-18.35	-18.55/-19.08	-15.95/-16.22	-19.44/-18.53	-18.75/-18.29	-17.64/-14.09	-10.58/-8.46	-7.94/-8.58	-8.64/-8.72	-9.37/-11.08	-10.62/-9.16	-8.63/-9.03	-9.48/-11.85	-17.5/-18.9	-17.37/-14.05	-14.32/-17.31	-17.81/-				



Radiated Composite Gain Data of Scan Radio/LE

Appendix A.6

Θ(172.5°)	-18.73/-17.89	-18.41/-14.34	-13.42/-13.18	-11.88/-12.05	-11.61/-12.23	-12.63/-10.82	-10.83/-11.94	-12.71/-11.43	-10.02/-9.25	-11.33/-16.14	-18.12/-18.97	-19/-19.03	-19.13/-18.64	-18.1/-17.8	-16.07/-14.36	-12.24/-11.33	-11.25/-11.75	-12.57/-14.99	-19.46/-17.91	-16.77/-15.24	-14.78/-13.57	-11.97/-11.69	-14.35/-17.39	-17.62/-19.22
Θ(180°)	-19.07/-18.12	-17.06/-16.07	-16.61/-15.64	-14.37/-12.1	-11.74/-13.06	-14.03/-12.56	-11.52/-13.07	-13.22/-12.4	-12.91/-13.56	-13.46/-14.69	-18.52/-18.83	-19.07/-18.68	-18.24/-17.56	-18.25/-17.46	-17.4/-16.25	-13.75/-13.11	-14.98/-18.95	-17.57/-18.65	-17.32/-17.51	-18.47/-18.21	-16.61/-14.44	-14.22/-14.85	-15.31/-16.22	-17.07/-17.75
Freq(Hz)	6.695GPol.	Theta/Ant. 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°)	0.620/8	0.51/-3.33	-0.8/-12.2	-2.44/-4.07	-5.35/-8.02	-12.55/-15.82	-17.94/-16.25	-11.45/-9.13	-6.14/-3.35	-3.4/-2.57	-1.62/-1.06	-0.59/-0.43	-0.3/-0.18	-0.64/-1.3	-1.39/-2.38	-3.59/-4.48	-5.9/-3.89	-13.55/-17.29	-18.25/-18.75	-9.93/-8.2	-5.97/-3.94	-2.45/-1.54	-0.68/-0.3	0.10/47
Θ(7.5°)	-3.04/-2.3	-1.43/-2.28	-2.73/-2.31	-3.06/-4.94	-6.29/-8.71	-18.49/-15.36	-10.65/-7.31	-4.55/-3.07	-1.7/-0.32	-0.080/0.18	0.650/0.3	1.180/97	0.720/63	0.12/-0.43	-1.35/-2.38	-3.95/-6.24	-9.39/-12.53	-16.05/-16.75	-14.23/-11.03	-9.03/-7.58	-5.86/-4.37	-3.69/-3.47	-3.24/-2.9	
Θ(15°)	-8.05/-5.89	-5.65/-6.39	-7.09/-4.87	-9.37/-12.92	-18.42/-18.35	-19.28/-14.43	-12.78/-8.52	-6.86/-4.63	-2.28/-1.23	-0.050/0.79	1.32/-19	2.24/-42	2.44/-24	2.18/-1.83	1.85/-1.92	1.370/-49	-0.44/-2.2	-4.63/-5.81	-6.6/-8.66	-11.29/-16.38	-17.61/-19.28	-12.18/-9.64	-10.49/-11.72	-10.69/-9.34
Θ(22.5°)	-6.43/-3.5	-3.54/-4.73	-6.41/-9.12	-15.46/-18.09	-12.6/-8.06	-5.25/-3.91	-4.19/-3.18	-3.19/-1.76	-0.440/-0.37	1.49/-23	2.53/-52	2.38/-58	3.22/-86	3.42/-35	3.86/-75	3.14/-16	1.350/-27	-1.32/-3.19	-4.52/-5.4	-5.18/-7.94	-11.7/-13.94	-16.61/-18.3	-17.93/-17.87	-13.57/-8.85
Θ(30°)	-5.81/-4	-5.24/-7.29	-7.23/-10.02	-15.56/-11.85	-7.71/-5.89	-4.4/-2.94	-4.3/-2.5	-1.47/-1.29	-1.3/-0.38	1.29/-93	1.732/-34	3.25/-37	3.48/-26	2.761/-94	2.36/-29	3.61/-33	1.880/-72	0.02/-0.78	-2.26/-5.07	-4.1/-3.69	-5.09/-8.42	-13.73/-11.78	-11.36/-18.91	-11.64/-7.79
Θ(37.5°)	-3.82/-3.24	-4.76/-7.23	-8.39/-8.15	-7.04/-7.26	-7.74/-4.68	-2.38/-1.24	-2.86/-1.24	-0.19/-0.59	-1.72/-0.31	0.880/-38	1.172/-61	3.01/-18	1.532/-74	3.42/-13	2.822/-71	3.09/-46	1.87/-0.01	-1.41/-0.33	-1.64/-6.79	-4.98/-3.3	-4.3/-8.39	-11.58/-6.44	-7.75/-18.17	-7.91/-437
Θ(45°)	-2.6/-2.05	-1.78/-2.56	-3.81/-3.29	-2.68/-2.88	-2.35/-1.31	-0.57/-0.24	-1.4/-1.08	-1.4/-1.01	-0.420/-0.69	0.990/-65	1.872/-14	1.460/-77	0.210/-66	1.762/-13	2.20/-34	-0.280/-86	1.65/-1	-1.42/-0.9	-0.15/-1.83	-1.92/-1.74	-2.86/-4.23	-4.91/-1.93	-4.23/-9.24	-2.88/-1.72
Θ(52.5°)	-1.01/-3.03	-3.8/-3.61	-2.71/-0.73	-2.07/-6.62	0.005	0.69/-0.9	-2.45/-1.51	-2.4/-0.71	0.190/-75	0.561/-93	2.67/-21	1.940/-25	-0.9/-0.94	-0.50/-0.1	0.47/-1.03	-0.67/-0.99	0.170/-42	-1.33/-2.48	-1.07/-1	-0.59/-1.07	-1.82/-0.17	-2.27/-0.4	-1.67/-3.85	-0.750/-12
Θ(60°)	1.58/-0.8	-2.25/-1.3	-0.29/-2.2	2.02/-1	1.040/-38	-0.05/-2.76	-3.89/-1.31	-1.730/-0.4	-0.020/-2	0.761/-9	1.781/-77	0.99/-1.71	-2.74/-2.74	-0.62/-2	-1.99/-1.96	0.451/-0.8	0.73/-0.26	-0.34/-3.01	-2.18/-1.43	-1.09/-1.21	-1.790/-0.2	-3.88/-0.68	-0.58/-1.55	0.01/-37
Θ(67.5°)	2.68/-1.08	-0.58/-0.5	1.58/-56	3.46/-1.3	1.46/-0.74	-1.3/-2.72	-1.97/-0.08	0.030/-37	-0.860/-12	0.661/-14	-0.361/-48	-0.57/-1.59	-1.41/-2.54	-1.87/-2.19	-2.29/-4.16	0.11/-1.26	1.65/-0.07	0.12/-1.63	0.210/-28	-0.93/-1.07	-3.94/-2.42	-6.5/-0.06	-0.43/-0.07	0.761/-65
Θ(75°)	2.090/-16	-2.16/-0.65	1.313/-18	4.06/-0.89	0.91/-98	-1.31/-1.93	-1.070/-27	0.310/-2	-1.11/-0.13	-0.95/-0.24	-2.510/-39	-0.520/-79	-0.12/-2.25	-1.98/-2.57	-0.43/-3.78	-1.560/-13	0.54/-0.36	-0.11/-1.58	0.691/-56	0.54/-0.33	-5.36/-3.29	-3.09/-1.23	-0.64/-0.42	0.570/-99
Θ(82.5°)	0.74/-2.09	-4.16/-1.56	0.912/-77	3.29/-3.05	-0.97/-4.09	-1.65/-2.8	-2.03/-1.03	-0.84/-0.38	-1.34/-0.75	-1.88/-2.19	-2.10/-3	0.010/-45	-0.4/-1.55	-2.24/-1.09	0.34/-3.28	-1.66/-1.97	-1.45/-1.23	-0.89/-0.55	1.142/-0.2	0.23/-0.39	-5.1/-3.37	-0.49/-1.2	-1.02/-1.16	-0.51/-1.1
Θ(90°)	-0.26/-3.18	-5.49/-2.32	0.390/-68	1.27/-6.63	-4.75/-5.43	-2.51/-6.02	-3.63/-2.7	-2.2/-2.29	-3.34/-2.39	-3.77/-3.38	-3.69/-0.83	-0.560/-59	-1.15/-0.81	-1.99/-1.49	-0.01/-2.66	-2.51/-3.34	-5.25/-1.92	-2.22/-0.97	0.67/-1.81	0.46/-1.33	-4.97/-3.05	-0.71/-0.57	-3.1/-3.05	-1.72/-337
Θ(97.5°)	-2.92/-7.38	-6.31/-2.73	-1.21/-1.69	-1.52/-9.63	-7.72/-6.24	-3.17/-8.45	-5.67/-4.44	-3.93/-5.19	-5.05/-4.07	-4.93/-4.14	-3.73/-1.94	-1.03/-0.60	-1.21/-3.9	-2.77/-1.04	-1.28/-1.7	-2.4/-3.58	-7.2/-5.14	-3.89/-3.73	-0.550/-31	-1.18/-2.97	-6.02/-6.07	-2.84/-3.88	-6.96/-5	-2.12/-4.58
Θ(105°)	-9.56/-16.42	-8.25/-6.08	-6.31/-5.88	-6.69/-17.99	-7.97/-9.88	-4.96/-6.57	-7.6/-5.98	-5/-7.51	-8.79/-6.32	-7.86/-7.04	-5.81/-2.28	-1.53/-1.98	-1.8/-2.55	-2.18/-2.12	-2.08/-1.89	-5.49/-4.11	-6.5/-7.24	-7.4/-6.12	-3.51/-3.92	-8.09/-5.47	-9.75/-7.65	-4.14/-6.63	-11.94/-8.83	-4.34/-7.62
Θ(112.5°)	-4.87/-9.41	-14.45/-10.86	-6.47/-6.44	-5.43/-13.86	-14.09/-9.16	-11.87/-10.37	-7.48/-7.72	-6.88/-13.38	-17.41/-9.42	-8.92/-8.89	-7.08/-4.27	-2.62/-4.39	-2.59/-3.15	-3.21/-2.29	-3.09/-3.71	-7.98/-5.47	-9.1/-10.57	-8.63/-7.04	-4.46/-4.96	-9.34/-5.56	-17.94/-12.79	-6.94/-8.82	-12.43/-10.49	-5.91/-5.51
Θ(120°)	-7.47/-9.37	-10.94/-11.67	-5.15/-6.89	-17.84/-15.62	-17.46/-13.78	-11.12/-15	-11.10/-16.34	-12.66/-13.73	-16.91/-12.55	-13.46/-7.78	-6.7/-5.1	-12.66/-13.73	-6.83/-4.86	-4.62/-3.96	-4.03/-2.9	-11.14/-18.23	-16.56/-6.5	-7.03/-5.65	-8.34/-7.1	-11.27/-13	-12.31/-9.35	-11.03/-8.31	-7.66/-8.55	
Θ(127.5°)	-16.78/-17.49	-17/-10.61	-10.1/-14.28	-17.38/-17.63	-18.68/-9.85	-13.69/-12.53	-12.2/-13.66	-18.84/-18.7	-19.12/-11.4	-14.09/-11.58	-8.73/-5.49	-5.23/-5.07	-5.78/-3.91	-4.72/-3.22	-5.05/-4.56	-7.97/-10.13	-11/-16.91	-17.79/-11.85	-10.65/-11.5	-14.29/-16.52	-19.31/-17.83	-17.2/-19.19	-19.13/-18.77	-11.66/-12.3
Θ(135°)	-17.11/-13.16	-17.72/-10.14	-12.09/-9.53	-8.86/-17.4	-15.84/-13.31	-15.03/-14.51	-16.04/-18.44	-17.12/-19.3	-13.13/-11.1	-7.98/-5.84	-5.83/-6.58	-7.95/-4.72	-7.53/-9.53	-11.35/-3.4	-5.62/-10.8	-10.11/-11.8	-18.49/-18.46	-17.47/-11.79	-15.73/-13.95	-12.54/-10.39	-14.37/-18.08	-13.16/-11.87	-8.66/-8.79	
Θ(142.5°)	-11.77/-10.09	-10.75/-10.01	-10.55/-15.94	-17.91/-11.85	-9.39/-11.76	-19.09/-18.09	-19.7/-17.78	-18.5/-14.4	-11.77/-13.65	-13.35/-15.73	-9.58/-7.1	-9.06/-3.87	-6.48/-9.05	-6.81/-8.68	-7.37/-5.45	-8.14/-14.79	-16.83/-11.09	-11.25/-11.74	-10.25/-12.25	-14.64/-12.65	-9.48/-6.61	-14.30/-18.83	-18.87/-12.61	-13.78/-10.04
Θ(150°)	-17.13/-16.92	-9.93/-11.85	-17.46/-18.5	-18.12/-19.01	-18.16/-17.69	-18.22/-12.53	-11.75/-14.22	-12.77/-12.19	-11.25/-13.1	-11.42/-9.48	-10.44/-8.01	-5.58/-5.96	-7.6/-8.14	-6.91/-7.55	-9.75/-8.61	-9.48/-13.24	-17.67/-18.86	-17.91/-16.9	-18.45/-18.35	-15.24/-11.93	-11.37/-11.03	-15.28/-11.13	-11.32/-18.53	-19.2/-11.05
Θ(157.5°)	-17.65/-12.67	-13.1/-17.14	-18.32/-17.98	-12.3/-10.49	-12.87/-18.42	-18.54/-18.05	-19.32/-10.33	-18.51/-18.04	-18.17/-17.64	-14.28/-11.73	-10.9/-12.95	-14.54/-12.41	-10.99/-12.89	-13.53/-10.22	-13.35/-14.96	-11.42/-10.92	-9.8/-11.76	-16.12/-12.74	-17.32/-18.39	-15.81/-18.25	-18.45/-17.55	-19.06/-17.3	-13.96/-12.4	-10.06/-14.82
Θ(165°)	-9.99/-14.25	-17.22/-15.74	-15.88/-18.47	-15.2/-15.56	-18.84/-17.48	-16.24/-15.12	-18.62/-18.35	-17.48/-18.75	-19.12/-18.22	-16.48/-16.82	-13.16/-10.2	-10.92/-13.38	-15.99/-18.2	-16.08/-17.2	-14.31/-11.05	-11.63/-10.61	-10.64/-13.42	-15.24/-18.42	-17.78/-19.15	-19.44/-16.12	-13.05/-14.11	-16.31/-12.19		
Θ(172.5°)	-9.71/-8.1	-8.81/-8.86	-8.84/-10.54	-14.07/-16.37	-18/-17.92	-17.38/-18.98	-17.45/-17.81	-18.17/-15.38	-12.99/-11.32	-11.74/-12.48	-13.3/-13.52	-14.33/-13.81	-13.33/-12.73	-12.28/-12.85	-15.52/-13.81	-11.84/-11.84	-13.8/-16.85	-19.22/-17.36	-13.39/-14.7	-18.46/-18.54	-17.74/-17.39	-17.81/-16.28	-13.19/-10.28	-9.47/-10.62
Θ(180°)	-11.93/-12.32	-12.01/-13.07	-15.13/-14.91	-14.95/-16.92	-18.74/-18.72	-18.77/-18.17	-17.89/-18.87	-17.66/-15.35	-15.36/-15.65	-14.02/-12.32	-11.03/-9.89	-9.9/-9.58	-10.5/-10.91	-9.6/-9.76	-10.9/-12.22	-15.45/-18.51	-18.2/-17.9	-18.59/-17.89	-17.86/-18.08	-16.41/-15.41	-19.25/-18.7	-15.98/-12.82	-11.94/-13.43	-13.66/-13.54
Freq(Hz)	6.995GPol.	Theta/Ant. 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°)	-19.06/-12.47	-9.09/-7.1	-4.45/-2.37	-1.67/-0.8	0.090/-55	0.941/-43	1.67/-162	1.160/-74	0.24/-0.84	-1.96/-2.88	-4.76/-7.19	-10.3/-15.77	-17.77/-14.77	-9.66/-5.59	-3.01/-1.94	-1.14/-0.45	0.480/-97	1.331/-65	1.81/-166	1.210/-74	-0.18/-1.56	-3.23/-4.36	-5.83/-8.12	-12.6/-13.74
Θ(7.5°)	-18.88/-14.31	-9.27/-6.46	-3.91/-2.43	-1.52/-0.24	0.460/-82	1.061/-45	1.461/-06	0.50/-0.6	-0.71/-4.9	-2.25/-4.14	-5.35/-7.69	-10.17/-13.77	-19.01/-14.64	-9.28/-5.94	-4.24/-4.42	-1.43/-1.11	-0.86/-0.29	-0.090/-1	0.130/-0.8	-0.55/-0.77	-1.31/-2.53	-3.37/-4.01	-5.25/-7.61	-10.64/-16.63
Θ(15°)	-13.62/-17.77	-17.54/-13.69	-9.09/-6.46	-5.12/-4.1	-2.9/-1.91	-1.5/-1.21	-0.72/-0.63	-0.79/-1.1	-1.29/-0.71	-0.38/-1.09	-2.26/-4.16	-7.96/-12.77	-18.76/-11.12	-8.27/-4.44	-2.97/-2.11	-0.440/-56	0.63/-1.17	1.71/86	1.35/-0.18	-1.67/-2.37	-2.89/-3.7	-5.28/-5.84	-6.01/-7.75	-9.55/-10.82
Θ(22.5°)	-10.14/-14.19	-11.2/-7.71	-4.57/-3.26	-1.56/-0.95	-0.94/-0.96	-1.08/-1.15	-0.77/-0.57	-1.12/-1.73	-1.91/-0.72	-0.34/-1.16	-2.93/-5.36	-8.6/-17.15	-15.75/-9.1	-7.07/-4.48	-2.92/-1.6	0.110/-57	0.0051	1.191/-13	0.					



Radiated Composite Gain Data of Scan Radio/LE

Appendix A.6

Θ(22.5°)	1.85/1.97	2.16/2.35	2.44/2.44	2.31/2.01	1.46/0.61	-0.51/-1.64	-2.62/-3.25	-3.61/-4.01	-4.81/-5.77	-6.46/-6.7	-6.77/-6.82	-6.83/-6.61	-6.27/-6	-5.79/-5.36	-4.55/-3.63	-2.91/-2.52	-2.4/-2.6	-3.18/-1.48	-5.47/-6.37	-6.98/-5.67	-3.66/-1.75	-0.30/-62	1.18/1.49	1.65/1.76
Θ(30°)	2.77/2.8	2.93/06	3.23/3.4	3.53/3.49	3.17/2.57	1.83/1.2	0.82/0.73	0.6/0.37	-2.01/-1.01	-1.78/-2.3	-2.55/-2.77	-2.89/-2.88	-2.64/-2.39	-2.14/-1.8	-1.35/-0.78	-0.30/-0.1	0.15/0.02	-0.41/-1.23	-2.35/-3.34	-3.52/-2.53	-1.03/-0.43	1.57/2.24	2.55/2.66	2.68/2.74
Θ(142.5°)	2.94/2.86	2.78/2.84	3.03/3.34	3.63/3.77	3.62/3.21	2.77/2.53	2.52/2.61	2.62/2.47	2.04/-1.43	0.75/0.27	-0.01/-0.22	-0.47/-0.64	-0.67/-0.57	-0.33/-0.06	0.18/0.44	0.74/1.02	1.18/1.14	0.92/0.41	-0.46/-1.41	-1.65/-0.64	0.72/1.81	2.53/2.93	3.03/2.96	2.91/2.92
Θ(45°)	2.72/2.47	2.11/92	2.05/2.41	2.82/2.98	2.84/2.57	2.47/2.71	3.02/3.17	3.12/94	2.71/2.32	1.85/1.44	1.2/1	0.72/0.32	-0.11/-0.36	-0.34/-0.16	-0.06/0.01	0.23/0.59	0.81/0.92	1.11/1.28	1.06/0.35	-0.19/0.46	1.73/2.57	2.79/2.73	2.59/2.49	2.57/2.69
Θ(52.5°)	2.43/1.99	1.24/0.69	0.65/1.14	1.63/1.71	1.46/1.28	1.72/53	3.16/3.29	3.06/2.79	2.64/2.55	2.32/1.95	1.62/1.38	1.14/0.68	0.16/-0.36	-0.53/-0.52	-0.58/-0.67	-0.34/0.13	0.19/0.05	0.29/0.98	1.45/1.32	2.37/2.97	2.76/2.13	1.68/1.68	2.08/2.38	
Θ(60°)	2.15/1.42	0.23/-0.6	-0.46/0.41	1.07/0.91	0.2/-0.35	0.22/1.72	2.93/25	3.01/2.57	2.29/2.29	2.28/1.93	1.39/1.07	1.02/0.81	0.26/0.41	-0.89/-1.07	-1.32/-1.58	-0.95/0.07	0.48/0.26	0.17/0.72	1.36/1.55	1.48/1.89	2.69/0.06	2.6/1.7	1.17/1.31	1.81/2.18
Θ(67.5°)	2.17/1.44	0.19/-0.6	-0.34/0.55	0.95/0.33	-0.82/-1.8	-0.96/-1.27	2.83/3.22	2.92/3.33	1.92/1.83	1.71/1.08	0.2/0.02	0.22/0.07	-0.6/-1.7	-2.74/-3.42	-3.96/-3.82	-1.99/-0.2	0.58/0.61	0.67/1.12	1.61/1.59	1.42/1.83	2.51/2.54	1.75/0.89	0.94/1.54	1.98/2.18
Θ(75°)	3.05/2.55	1.22/0.04	-0.2/0.14	0.22/-0.39	-1.19/-2.06	-1.61/0.43	1.93/2.25	1.93/1.35	0.73/0.32	0.18/-0.23	-0.87/-0.96	-0.63/-0.46	-1.04/-2.36	-4.17/-5.63	-6.65/-6.42	-3.9/-1.46	-0.35/-0.05	0.42/1.2	1.78/1.87	1.63/1.8	2.17/1.86	0.71/-0.31	0.32/1.69	2.46/2.79
Θ(82.5°)	2.46/2.11	0.58/-0.92	-1.22/-0.67	-0.52/-0.87	-1.25/-2.37	-3.22/-1.44	0.3/0.9	0.91/0.73	0.28/-0.13	-0.17/-0.62	-1.76/-2.19	-1.65/-1.62	-2.7/-4.85	-9.18/-8.07	-4.04/-1.67	-1.2/-1.32	-0.7/0.25	0.8/1	1.27/1.89	2.16/1.33	-0.22/-1.42	-1.06/0.53	1.56/1.95	
Θ(90°)	0.55/0.51	-0.75/-1.68	-1.29/-0.61	-1.07/-2.29	-3.1/-4.85	-5.35/-2	0.34/1.11	1.09/0.7	-0.23/-1.59	-2.21/-2.62	-3.84/-3.74	-2.78/-3.55	-5.89/-8.97	-11.1/-11.54	-11.72/-8.8	-3.98/-1.85	-1.73/-1.7	-0.88/0.16	0.04/-0.49	-0.33/0.82	1.54/0.6	-1.28/-1.66	-1.04/-0.2	0.45/0.33
Θ(97.5°)	0.43/0.45	-0.45/-1.43	-1.33/-1.15	-0.28/-4.54	-6.14/-7.3	-4.93/-1.41	0.33/0.72	0.35/-0.51	-2.49/-4.95	-3.87/-3.07	-3.68/-2.83	-2.95/-5.38	-8/-9	-10.67/-11.03	-9.94/-5.85	-2.85/-2.16	-2.85/-2.67	-1.17/-0.24	-0.81/-2.14	-2.18/-0.69	0.58/0.09	-2.34/-2.86	-1.26/-0.55	0.04/0.37
Θ(105°)	-0.1/-0.48	-1.57/-2.45	-2.31/-2.13	-3.26/-6.06	-8.27/-1.15	-3.75/-1.14	0.01/0.05	-0.63/-2.33	-6.44/-8.72	-3.42/-1.21	-2.2/-4.12	-5.67/-6.79	-7.74/-8.45	-7.88/-5.5	-3.64/-3.48	-4.01/-3.08	-0.91/0.38	-0.91/0.38	-0.34/-3.28	-5.86/-4.35	-2.21/-1.42	-2.43/-1.43	-1.11/-0.43	
Θ(112.5°)	-1.13/-1.04	-2.02/-2.96	-3.01/-3.03	-3.98/-5.9	-7.18/-6.25	-4.28/-2.75	-2.15/-2.49	-3.87/-2.28	-12.31/-6.12	-3/-3.22	-3.06/-2.07	-3.23/-5.53	-7.05/-8.13	-8.63/-9.17	-9.41/-9.25	-10.29/-13.68	-16.05/-9.24	-3.66/-0.76	-0.52/-3.01	-1.71/-7.66	-6.13/-4.67	-4.03/-4.5	-3.94/-3.05	-3.02/-2.21
Θ(120°)	-2.51/-7.6	-2.45/-3.7	-4.35/-4.66	-5.67/-6.34	-6.94/-6.64	-5.65/-4.69	-4.41/-5.07	-7.05/-11.62	-12.39/-7.29	-5.74/-5.74	-4.65/-3.92	-5.12/-6.82	-7.6/-8.77	-7.43/-7.4	-8.1/-9.54	-11.24/-12.74	-13.48/-18.46	-12.57/-5.37	-3/-4.13	-8.39/-11.41	-10.64/-9.94	-6.87/-4.79	-4.15/-3.95	-4.22/-3.96
Θ(127.5°)	-4.71/-0.46	-4.57/-6.16	-7.71/-7.94	-6.66/-5.31	-5.19/-6.07	-7.2/-8.48	-14.55/-13.99	-19.79/-16.19	-10.51/-7.77	-6.25/-4.95	-4.45/-5.64	-8.18/-11.11	-13.69/-14.49	-13.02/-12.34	-13.94/-18.42	-14.41/-10.33	-8.67/-9.73	-15.37/-12.93	-7.63/-7.09	-10.45/-15.99	-13.11/-11.68	-9.27/-6.24	-4.82/-4.7	-5.03/-5.3
Θ(135°)	-3.97/-4.31	-5.07/-5.84	-5.62/-4.36	-2.94/-2.24	-2.8/-4.76	-8.11/-11.89	-13.32/-12	-10.73/-9.95	-9.26/-8.38	-7.47/-7.29	-8.62/-12	-17.88/-18.15	-17.91/-18.81	-18.4/-18.26	-17.49/-13.24	-8.82/-6.62	-5.52/-5.73	-8.47/-17.56	-15.1/-9.87	-9.97/-14.74	-18.47/-17.28	-11.11/-6.9	-4.52/-3.66	-3.59/-3.76
Θ(142.5°)	-5.17/-4.78	-4.47/-1.41	-3.67/-3.29	-3.02/-3.18	-4.22/-6.37	-9.95/-13.1	-14.52/-10.69	-9.76/-9.46	-8.12/-9.06	-10.05/-13.2	-18.55/-18.96	-18.1/-19.5	-17.95/-17.17	-18.27/-18.05	-15.74/-11.11	-8.15/-6.6	-5.65/-5.62	-6.99/-10.44	-12.78/-11.03	-10.54/-12.53	-16/-17.4	-15.19/-10.98	-7.75/-6.23	-5.8/-5.7
Θ(150°)	-7.37/-7.73	-7.77/-6.66	-6.27/-6.33	-6.77/-7.74	-9.45/-12.02	-13.54/-11.52	-8.87/-7.74	-6.56/-6.63	-7.25/-8.51	-11.11/-13.66	-17.89/-18.06	-18.98/-18.52	-13.16/-10.74	-10.66/-12.04	-13.89/-17.75	-12.95/-8.84	-7.12/-6.32	-6.54/-7.86	-10.27/-13.85	-18.18/-18.02	-14.43/-9.65	-17.48/-16.76	-4.92/-4.68	-5.13/-6.16
Θ(157.5°)	-3.92/-4.49	-4.3/-5.12	-5.33/-5.8	-6.67/-7.96	-9.5/-10.58	-10.8/-10.1	-9.21/-8.76	-8.78/-9.6	-11.14/-13.46	-17.05/-17.96	-17.7/-18.9	-14.25/-9.83	-7.18/-5.87	-6.09/-7.9	-12.06/-19.19	-17.94/-11.76	-9.21/-8.1	-7.85/-8.46	-9.92/-12.12	-14.43/-13.63	-10.13/-7.08	-5.03/-3.71	-2.91/-2.61	-2.75/-3.18
Θ(165°)	-6.15/-6.47	-6.9/-7.42	-8.2/-9.32	-10.91/-12.96	-14.94/-17.37	-18.98/-19.14	-18.53/-18.76	-17.4/-17.68	-18.81/-18.8	-17.4/-18.17	-19.14/-17.81	-16.98/-11.95	-9.01/-7.53	-7.22/-8.25	-10.8/-16.1	-18.51/-19.02	-15.14/-13.59	-13.33/-14.21	-16.16/-18.06	-17.74/-14.9	-11.74/-9.34	-7.69/-6.59	-5.9/-5.66	-5.75/-5.9
Θ(172.5°)	-13.16/-13.68	-14.21/-15.43	-17.57/-19.05	-17.91/-18.84	-18.19/-18.49	-16.32/-15.02	-14.27/-13.87	-13.58/-13.22	-13.08/-13.14	-13.71/-14.97	-17.55/-18.8	-17.44/-18.99	-16.47/-14.6	-14.11/-14.81	-16.76/-17.63	-18.41/-19.16	-18.68/-18.72	-18.09/-18.72	-17.82/-19.36	-17.01/-15.32	-13.86/-12.76	-12.05/-11.6	-11.45/-11.62	-12.17/-12.86
Θ(180°)	-13.09/-14.42	-16.55/-19.05	-17.94/-17.03	-14.59/-12.95	-12.37/-12.56	-13.12/-13.61	-13.56/-13.16	-12.56/-12.36	-12.63/-13.3	-13.74/-13.93	-14.12/-14.57	-15.45/-16.82	-18.64/-18.2	-19.19/-17.5	-18.65/-16.58	-16.74/-15.97	-16.3/-17.4	-17.48/-15.81	-13.83/-12.27	-11.47/-11.16	-11.21/-11.53	-12.07/-12.55	-12.61/-12.31	-12.07/-12.33
Freq(Hz)	5.2GPol	PhiAnt. 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°)	-12.73/-10.53	-8.96/-7.16	-6.4/-6.32	-6.23/-5.23	-4.49/-4.83	-5.79/-7.63	-7.17/-7.11	-7.64/-8.35	-9.41/-10.8	-13.07/-16.03	-18.5/-16.42	-12.63/-11.12	-11.69/-10.98	-8.27/-6.27	-5.55/-5.69	-5.65/-5.22	-4.92/-5.04	-5.59/-6.48	-7.47/-8.25	-8.79/-9.7	-10.86/-12.78	-15.84/-18.87	-17.26/-18.16	-18.77/-15.11
Θ(7.5°)	-11.94/-10.03	-11.09/-12.54	-10.46/-8.3	-7.47/-7.79	-7.57/-5.9	-7.37/-4.74	-5.88/-7.54	-8.43/-9.24	-9.81/-9.48	-9.99/-11.51	-14/-19.32	-17.99/-14.82	-12.04/-9.78	-7.99/-6.29	-4.87/-4.3	-3.94/-3.95	-4.4/-4.78	-5.37/-6.32	-6.94/-7.48	-8.84/-11.02	-13.41/-16.93	-18.52/-18.88	-17.33/-17.13	-17.64/-9.52
Θ(15°)	-11.64/-10.58	-12.77/-14.02	-13.98/-11.8	-10.02/-9.5	-8.96/-8.67	-8.21/-8.14	-7.96/-7.87	-7.81/-8.1	-7.77/-7.13	-8.27/-10.16	-13.96/-18.89	-18.51/-12.35	-7.84/-6.05	-5.88/-5.69	-4.76/-4.24	-4.51/-5.61	-6.17/-6.89	-8.57/-7.98	-8.3/-9.86	-12.61/-16.54	-18.27/-18.15	-17.94/-18.76	-17.88/-13.99	
Θ(22.5°)	-11.24/-11.1	-12.44/-14.66	-14.53/-13.13	-10.38/-8.47	-7.51/-7.06	-6.83/-7.52	-8.74/-9.39	-8.27/-7.79	-8.28/-8.32	-8.35/-8.3	-8.73/-11.46	-17.94/-18.41	-14.99/-11.43	-9.47/-9.2	-10.15/-10.76	-9.98/-8.52	-6.49/-5.53	-5.54/-6.45	-7.1/-7.31	-7.19/-8.34	-10.12/-13	-14.51/-15.14	-17.39/-18.1	-16.61/-12.68
Θ(30°)	-16.89/-17.15	-14.59/-11.75	-9.55/-8.33	-7.94/-6.02	-4.21/-3.79	-4.85/-5.64	-7.6/-6.98	-6.68/-7.75	-10.1/-11.95	-12.15/-12.14	-10.35/-9.16	-10.3/-15.45	-18.31/-12.9	-11.17/-12.26	-11.42/-8.69	-6.87/-6.36	-6.76/-7.52	-6.52/-5.99	-6.5/-7.85	-8.89/-10.41	-10.96/-11.84	-17.01/-18.18	-19.01/-16.94	
Θ(37.5°)	-19.32/-18.69	-15.97/-13.16	-8.75/-6.72	-6.43/-5.76	-4.16/-3.17	-3.44/-4.55	-5.49/-5.86	-6.93/-9.19	-9.84/-8.43	-8.72/-10.79	-11.3/-10.58	-11.91/-17.58	-19.21/-18.16	-15.13/-9.7	-7.78/-7.07	-7.48/-9.09	-9.54/-8.94	-8.63/-7.87	-6.12/-5.26	-5.47/-6.79	-9.35/-14.16	-16.45/-16.58	-19.11/-19.19	-18.71/-18.93
Θ(45°)	-15.29/-16.14	-17.41/-16.27	-10.94/-6.96	-6.05/-5.97	-5.34/-3.97	-3.26/-4.18	-5.59/-5.55	-3.98/-4.8	-6.34/-7.12	-11.25/-16.29	-17.89/-17.98	-15.92/-12.56	-10.89/-14.4	-18.95/-18.47	-14.69/-13.66	-14.02/-15.06	-11.25/-6	-4.21/-4.3	-3.92/-2.75	-3.1/-3.35	-6.88/-13.07	-18.44/-16.45	-18.48/-17.82	-17.49/-16.65
Θ(52.5°)	-14.64/-16.74	-17.19/-14.21	-11.48/-9.76	-7.95/-6.63	-5.92/-6.06	-4.91/-5.14	-3.39/-2.64	-2.07/-3.64	-6.35/-5.42	-6.58/-8.26	-11.55/-16.88	-16.78/-16.27	-11.94/-14.29	-17.6/-18.28	-19.49/-18.89	-10.69/-8.67	-10.22/-6.2	-4.49/-4.47	-3.63/-3.01	-4.41/-6.75	-11.33/-13.08	-15.05/-15.63	-14.22/-18.64	-18.1/-13.01
Θ(60°)	-16.71/-14.37	-13.37/-11.07	-9.73/-11.31	-11.8/-9.29	-6.69/-4.45	-3.75/-3.88	-3.68/-5.3	-3.17/-1.7	-3.34/-6.1	-6.92/-7.1	-6.95/-8.11	-10.39/-15.42	-18.34/-14.45	-18.92/-17.66	-12.59/-11.13	-10.39/-7.56	-7.33/-5.26	-3.65/-2.66	-3.35/-3.04	-7.64/-7.85	-8.99/-10.62	-13.88/-17.89	-14.1/-15.87	-18.33/-18.72
Θ(67.5°)	-12.32/-14.66	-13.33/-13.25	-11.2/-11.42	-11.27/-8.77	-7.24/-6.34	-6.39/-8.16	-5.4/-3.37	-2.57/-4.11	-6.45/-4.08	-5.83/-6.53	-9.72/-8.92	-9.93/-11.51	-18.33/-15.84	-17.47/-15.7	-10.08/-8.57	-11.34/-8.66	-6.58/-3.97	-3.52/-3.46	-3.89/-5.92	-11.06/-11.01	-11.14/-9.45	-11.13/-15.01	-17.12/-16.94	-18.32/-18.3
Θ(75°)	-17.83/-14.17	-14.28/-13.32	-13.41/-11.38	-9.81/-8.98	-10.47/-10.75	-7.93/-8	-6.98/-5.72	-3.82/-4.41	-5.89/-5.43															



Radiated Composite Gain Data of Scan Radio/LE

Appendix A.6

Θ(67.5°)	0.08/0.34	0.73/2.3	3.73/4.16	2.62/1.59	1.87/1.56	1.97/1.89	0.33/0.92	0.77/-0.23	-1.23/-2.91	-1.37/-1.73	-0.72/3.17	3.93/3.85	2.94/2.74	2.26/0.46	-2.1/-1.46	-2.24/-2.87	-6.8/-5.77	-3.28/-2.81	-0.67/1.58	2.24/1.06	2.34/2.29	1.02/-1.28	-2.59/-3.05	-2.37/-0.9
Θ(75°)	0.22/-0.07	-0.08/-1.43	3.04/3.82	2.22/0.83	1.04/0.53	1.05/2.2	0.99/0.56	0.05/-0.67	-0.93/-2.42	-2.74/-2.48	-3.21/1.78	3.46/3.57	2.77/2.35	2.45/1.48	-1.96/-2.2	-2.67/-2.32	-7.39/-6.02	-2.39/-0.46	1.56/2.42	2.66/1.29	1.94/1.49	1.33/-0.87	-1.81/-1.48	-1.11/-0.24
Θ(82.5°)	-0.4/-0.66	-0.35/-1.36	2.62/2.68	1.1/0.6	0.1/-0.65	0.23/1.5	0.36/0.2	-0.35/-0.41	-1.36/-3.96	-5.77/-6.24	-4.72/0.8	2.11/1.88	0.67/0.46	1.14/0.49	-3.39/-4.79	-4.82/-3.71	-7.24/-7.48	-1.61/0.63	2.99/2.68	2.48/1.58	0.49/0.27	1.15/-0.21	-1.57/-1.07	-1.32/-0.29
Θ(90°)	-0.25/-0.9	-0.94/0.06	1.61/76	0.06/-2.15	-0.91/-1.33	-1.44/0.17	-0.75/-0.92	-1.08/-1.52	-1.35/-3.85	-7.49/-9.39	-8.43/-1.56	0.69/0.74	-0.55/-1.84	-3.11/-3.18	-5.93/-7	-7.61/-8.04	-8.55/-3.35	-0.72/-0.09	2.54/2.11	1.57/0.28	-1.26/-0.39	0.39/-0.94	-2.13/-1.56	-2.3/-0.31
Θ(97.5°)	-1.4/-1.54	-1.93/-1.09	0.09/0.03	-0.79/-3.98	-3.1/-2.76	-2.28/-0.93	-2.24/-1.5	-1.3/-2.51	-2.69/-5.41	-7.86/-11.06	-6.94/-3.34	-3.17/-1.03	-1.55/-4.49	-6.55/-7.84	-10.87/-10.21	-12.98/-13.03	-7.05/-3.51	-1.89/-1.39	0.28/0.58	-0.83/-2.56	-4.16/-0.8	0.11/-1.67	-3.11/-1.94	-3.41/-1.09
Θ(105°)	-2.44/-2.37	-2.44/-2.47	-1.38/-1.75	-2.33/-4.47	-4.35/-4.68	-4.41/-2.68	-3.87/-2.41	-1.36/-4.45	-3.61/-5.76	-8.51/-10.05	-6.56/-5.02	-4.72/-2.76	-4.22/-7.42	-9.68/-8.62	-14.45/-17.97	-15.06/-7.49	-4.65/-4.34	-6.52/-3.81	-3.75/-2.44	-5.87/-7.05	-6.05/-1.3	-0.99/-0.54	-3.93/-0.55	-5.44/-3.39
Θ(112.5°)	-3.03/-3.32	-4.48/-4.17	-2.98/-2.12	-4.62/-8.71	-5.4/-5.08	-7.06/-5.17	-4.91/-3.6	-3.58/-6.12	-5.14/-6.68	-9.74/-11.43	-7.34/-6.87	-6.73/-4.13	-7.73/-7.85	-7.33/-6.07	-9.23/-9.62	-10.45/-11.16	-6.97/-9.11	-17.33/-5.91	-5.69/-6.39	-14.24/-8.5	-5.39/-3.58	-3.07/-5.58	-4.33/-5.78	-4.81/-5.28
Θ(120°)	-3.84/-4.98	-5.05/-6.33	-3.41/-27	-4.67/-11.17	-7.35/-7.78	-9.97/-7.46	-7.31/-5.32	-5.11/-8.58	-10.06/-8.92	-6.94/-11.78	-13.26/-9.78	-7.62/-3.75	-7.85/-7	-7.94/-5.65	-10.1/-10.86	-16.58/-17.51	-18.65/-17.7	-17.44/-6.64	-5.76/-10.77	-10.76/-18.62	-9.19/-4.95	-3.76/-9.01	-6.9/-6.37	-5.35/-6.31
Θ(127.5°)	-5.11/-7.01	-7.9/-6.87	-3.83/-4.83	-7.38/-8.99	-9.11/-12.39	-11.3/-8.32	-11.77/-9.21	-6.85/-9.43	-12.78/-11.07	-12.41/-16.9	-18.48/-18.16	-10.21/-10.13	-9.35/-17.94	-18.06/-19.18	-18.49/-18.67	-16.9/-10.53	-10.77/-7.16	-8.31/-12.09	-9.37/-14.72	-18.43/-15.93	-9.85/-7.57	-7.2/-7.81	-8.61/-7.88	-6.15/-5.52
Θ(135°)	-5.2/-5.22	-7.74/-7.68	-8.44/-7.12	-8.48/-9.48	-10.22/-14.21	-16.1/-13.85	-11.7/-8.25	-7.35/-10.86	-15.78/-15.49	-17.99/-18.71	-18.38/-18.52	-9.11/-9.44	-9.02/-12.79	-8.98/-9.98	-9.14/-8.9	-16.29/-12.78	-9.64/-9.39	-10.32/-11	-13.85/-17.84	-12.28/-9.95	-11.1/-10.74	-11.63/-10.45	-9.17/-11.87	-6.95/-7.01
Θ(142.5°)	-9.68/-7.14	-7.44/-7.99	-8.51/-9.15	-9.62/-10.31	-11.52/-16.12	-17.56/-18.22	-13.4/-10.36	-11.95/-11.66	-13.09/-17.81	-13.44/-11.32	-13.78/-17.72	-12.75/-10.16	-9/-11.27	-11.65/-12.52	-10.84/-18.04	-18.89/-18.97	-13.92/-13.61	-15.21/-16.13	-19.27/-17.9	-15.95/-13.47	-12.22/-12.33	-13.06/-10.54	-14.92/-10.12	-8.68/-8.7
Θ(150°)	-8.26/-8.07	-8.75/-8.94	-7.48/-7.9	-8.69/-9.55	-12.56/-18.87	-18.92/-19.11	-18.85/-16	-12.9/-12.43	-12.83/-11.4	-8.6/-8.63	-9.71/-13.82	-18.85/-19.2	-16.34/-14.15	-16.34/-17.79	-17.69/-18.93	-18.24/-17.4	-18.64/-17.29	-19.29/-17.97	-13.89/-13.76	-16.68/-15.26	-17.84/-14.52	-16.53/-11.05	-8.28/-8.74	
Θ(157.5°)	-10.23/-9.33	-8.43/-8.15	-7.59/-7.08	-7.14/-8.75	-10.4/-12.09	-15.54/-16.96	-15.96/-13.59	-10.39/-8.57	-8.75/-11.94	-18.37/-17.9	-15.91/-10.17	-9.17/-13.14	-15.06/-10.2	-10.24/-13.67	-18.08/-17.37	-18.34/-18.18	-17.87/-17.56	-18.3/-18.7	-18.78/-17.7	-17.68/-18.28	-18.9/-13.84	-14.06/-16.73	-19.17/-17.53	-14.16/-11.27
Θ(165°)	-9/-11.32	-13.29/-12.63	-12.45/-13.29	-13.97/-14.73	-16.39/-18.91	-17.84/-18.96	-19.12/-16.84	-15.07/-13.56	-13.12/-13.43	-14.84/-17.74	-18.52/-18.96	-18.48/-18.97	-18.18/-18.65	-17.63/-18.41	-13.1/-12.39	-12.64/-12.68	-13.54/-16.59	-18.37/-18.08	-19.11/-18.21	-17.18/-18.77	-18.76/-18.26	-15.32/-13.31	-12.13/-9.97	-8.78/-8.17
Θ(172.5°)	-7.72/-7.77	-8.41/-8.43	-7.54/-7.45	-8.98/-10.08	-10.1/-11.11	-12.84/-14.59	-15.87/-17.15	-17.41/-16.56	-15.35/-13.07	-11.16/-9.42	-8.56/-8.77	-9.32/-10.15	-11.21/-11.89	-11.73/-11.79	-12.34/-14.22	-14.65/-13.11	-12.8/-14.54	-15.95/-16.64	-17.72/-17.72	-18.75/-16.97	-14.21/-12.57	-11.98/-10.88	-10.05/-9.38	-8.26/-7.79
Θ(180°)	-8.45/-9.5	-10.23/-9.4	-9.4/-10.77	-12.79/-13.83	-14/-14.86	-16.91/-18.6	-18.68/-18.1	-17.61/-18.41	-18.87/-18.23	-17.58/-14.92	-13.73/-14.61	-16.66/-17.1	-16.64/-14.58	-11.71/-10.43	-9.93/-9.88	-9.96/-10.51	-12.34/-15.18	-17.64/-18.41	-18.93/-18.06	-18.42/-17.36	-17.32/-17.84	-16.71/-12.93	-11.6/-11.32	-10.58/-8.75
Freq[Hz]	5.6GPol	Phi/Ant. 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°)	-18.8/-16.75	-13.12/-9.35	-8.37/-8.02	-7.66/-7.34	-7.24/-6.35	-5.6/-5.22	-5.07/-5.34	-6.58/-8.17	-10.09/-11.74	-12.81/-13.3	-14.29/-18.57	-17.47/-15.54	-12.85/-13.37	-11.51/-8.14	-7.21/-7.44	-7.22/-6.59	-5.43/-4.88	-5.16/-5.49	-6.02/-6.59	-7.43/-8.21	-8.96/-9.03	-10.49/-12.73	-15.95/-18.02	-19.02/-18.86
Θ(7.5°)	-13.84/-12.24	-13.22/-13.44	-10.06/-7.87	-8.23/-9.5	-8.21/-6.33	-5.64/-6.83	-6.07/-6.36	-6.82/-7.09	-7.14/-7.52	-8.58/-9.51	-10.95/-14.3	-18.91/-17.79	-16.11/-13.3	-12.18/-9.02	-7.13/-7.44	-7.05/-5.85	-5.13/-4.83	-5.19/-5.88	-6.47/-7	-8.08/-9.05	-9.88/-11.44	-14.2/-15.93	-17.44/-18.29	-17.75/-14.52
Θ(15°)	-13.19/-13.05	-12.65/-11.26	-10.13/-8.73	-7.1/-6.49	-6.37/-6.12	-4.88/-3.93	-3.86/-4.74	-5.64/-6.01	-6.19/-6.16	-6.58/-6.46	-6.85/-4.84	-14/-18.43	-17.7/-18.91	-13.66/-8.83	-6.22/-5.11	-4.54/-3.49	-2.91/-3.17	-4.4/-5.62	-5.91/-5.46	-5.61/-6.37	-7.11/-8.32	-9.24/-10.55	-12.64/-13.81	-14.01/-13.22
Θ(22.5°)	-16.22/-15.98	-15.12/-12.93	-10.69/-7.91	-6.11/-5.38	-5.3/-4.91	-3.95/-4.47	-5.58/-6.52	-7.04/-7.08	-6.96/-7.28	-7.71/-7.14	-7.09/-8.22	-10.86/-16.37	-18.24/-18.1	-11.63/-9.52	-9.42/-9.26	-7.88/-5.82	-4.64/-4.43	-4.49/-4.17	-3.61/-2.95	-3.32/-4.06	-4.7/-6.35	-7.84/-10.03	-14.14/-16.41	-16.98/-16.49
Θ(30°)	-22.57/-19.75	-19.77/-14.36	-8.94/-6.66	-5.78/-5.85	-6.39/-5.25	-3.67/-3.12	-4.11/-5.69	-5.72/-6.15	-10.77/-9.48	-8.25/-7.09	-9.47/-10.96	-12.07/-9.48	-8.25/-7.09	-12.16/-12.81	-15.57/-13.67	-10.73/-7.26	-3.96/-2.54	-2.1/-2.43	-2.51/-1.83	-1.91/-3.05	-4.62/-5.96	-7.85/-11.19	-16.44/-18.6	-17.38/-17.42
Θ(37.5°)	-14.78/-13.55	-14.35/-13.92	-11.32/-8.13	-6.15/-5.02	-4.93/-5.35	-5.43/-4.65	-5.11/-6.88	-9.27/-9.59	-8.78/-10.11	-9.23/-9.75	-8.96/-8.09	-12.59/-14.66	-18.9/-19.19	-15.72/-10.71	-9.01/-9.58	-9.29/-7.4	-5.16/-5.35	-5.78/-5.22	-3.24/-1.52	-2.12/-4.07	-7.02/-8.82	-9.62/-12.93	-18.57/-17.19	-18.28/-17.55
Θ(45°)	-12.98/-13.41	-11.92/-11.96	-11.88/-9.91	-7.85/-6.72	-4.61/-3.59	-4.16/-4.33	-5.46/-4.27	-4.51/-5.53	-6.81/-8.08	-8.66/-12.06	-11.49/-10.1	-12.97/-12.66	-11.05/-14.4	-15.52/-10.09	-11.63/-13.33	-13.38/-11.73	-9/-9.79	-2.38/-2.36	-2.87/-2.91	-4.5/-6.47	-7.15/-10.81	-14.05/-11.87	-11.14/-15.02	-19.22/-17.55
Θ(52.5°)	-16.14/-16.16	-13.85/-10.5	-9.54/-8.87	-9.9/-7.94	-5.15/-4.96	-4.55/-4.98	-4.84/-3.25	-3.97/-3.36	-4.06/-5.8	-7.09/-13.29	-13.06/-18.33	-15.75/-18.85	-13.25/-15.79	-14.47/-11.86	-17.98/-17.97	-16.09/-12.45	-8.41/-4.59	-2.1/-1.94	-1.86/-1.93	-4.22/-6.3	-6.77/-8.38	-9.52/-12.93	-16.23/-19.04	-17.38/-19.54
Θ(60°)	-18.86/-17.58	-12.34/-9.39	-9.91/-11.1	-10.94/-8.05	-5.76/-7.59	-6.21/-5.15	-5.6/-5.22	-3.08/-1.29	-3.24/-7.33	-6.53/-8.93	-7.9/-11.43	-10.56/-11.61	-18.18/-16.06	-19.55/-15.15	-13.5/-12.14	-10.16/-9.48	-8.16/-4.8	-1.82/-1.44	-1.97/-2.93	-5.54/-5.44	-6.98/-7.09	-9.73/-10.26	-11.05/-11.5	-17.24/-18.52
Θ(67.5°)	-18.52/-15.62	-12.97/-11.28	-14.3/-14.49	-9.47/-8.33	-10.47/-12.8	-9.38/-8.63	-6.29/-5.71	-4.01/-2.4	-3.3/-4.75	-6.4/-11.48	-8.62/-6.7	-7.62/-9.18	-18.44/-15.01	-15.52/-15.8	-9.3/-9.51	-5.53/-2.61	-1.07/-0.68	-2.8/-4.2	-5.72/-4.25	-9.03/-7.18	-9.57/-10.36	-11.91/-12.97	-16.41/-17.74	
Θ(75°)	-17.4/-18.11	-15.62/-11.95	-12.62/-15.3	-11.18/-12.17	-13.88/-15.26	-15.54/-14.33	-10.72/-11.4	-4.66/-4.01	-6.06/-5.06	-5.28/-15.62	-11.53/-7.94	-17.13/-8.8	-11.9/-12.94	-18.88/-11.44	-12.75/-6.83	-11.31/-11.01	-5.09/-1.11	-1.77/-0.39	-3.13/-3.31	-4.86/-5.7	-10.63/-8.93	-9.71/-10.16	-18.55/-19.18	-14.71/-17.51
Θ(82.5°)	-16.26/-16.09	-16.67/-13.55	-14.39/-17.95	-11.83/-15.65	-18.92/-18.79	-18.93/-17.97	-14.3/-10.3	-9.09/-6.53	-4.75/-4.75	-10.15/-34	-18.8/-11.47	-9.49/-6.72	-15.89/-10.22	-19.05/-12.43	-11.58/-12.59	-18.34/-10.54	-5.31/-0.86	-1.17/-0.98	-4.64/-3.57	-5.75/-7.42	-9.58/-9.08	-11.41/-12.85	-17.75/-17.97	-19.26/-16.81
Θ(90°)	-18.81/-18.73	-19.13/-14.94	-14.15/-18.93	-17.35/-19.09	-17.81/-13.95	-15.01/-15.75	-15.46/-9.21	-9.97/-8.38	-8.04/-9.35	-8.77/-17.79	-18.02/-18.69	-13.02/-11.3	-11.99/-12.22	-18.96/-11.7	-16.36/-14.1	-13.39/-9.06	-3.49/-0.9	-2.8/-2.59	-7.13/-5.71	-7.03/-10.32	-10.15/-10.68	-17.97/-19.77	-18.22/-17.95	-17.7/-17.45
Θ(97.5°)	-15.21/-18.36	-18.18/-15.03	-18.95/-18.06	-17.67/-17.06	-18.98/-16.86	-17.74/-11.03	-10.62/-12.17	-10.4/-12.49	-9.11/-8.99	-10.49/-13.81	-12.47/-19.19	-18.25/-10.66	-16.25/-13.4	-18.32/-11.62	-15.91/-19.23	-8.45/-6.51	-5.56/-3.09	-7.11/-7.86	-9.59/-6.03	-8.85/-9.86	-7.51/-9.29	-14.83/-18.97	-14.83/-14.39	-16.15/-14.97
Θ(105°)	-18.3/-18.52	-16.91/-18.45	-18.61/-18.02	-14.52/-13.29	-17.9/-12.22	-13.63/-12.13	-17.68/-11.64	-12.94/-11.03	-13.15/-11.79	-11.66/-12.86	-11.99/-10.78	-16.53/-17.15	-19.19/-12.35	-18.05/-16.04	-17.73/-13.4	-7.71/-7.55	-7.14/-8.06	-10.87/-11.27	-6.82/-5.3	-10.35/-8.95	-9.83/-11.47	-12.32/-18.68	-13.59/-13.46	-13.37/-14.04
Θ(112.5°)	-18.85/-16.79	-17.88/-18.86	-17.76/-18.01	-13.12/-9.9	-12.68/-13.39	-13.83/-10.14	-13.53/-10.94	-11.37/-12.21	-11.68/-12.37	-17.76/-11.8	-14.96/-14.72	-12.99/-17.43	-18.49/-18.18	-16.31/-18.76	-12.58/-14.21	-11.49/-8.								



Radiated Composite Gain Data of Scan Radio/LE

Appendix A.6

Θ (112.5°)	-3.28/-3.34	-4.98/-4.16	-3.08/-4.4	-4.64/-5.64	-9.41/-4.53	-5.39/-8.02	-4.77/-7.38	-5.34/-6.71	-4.97/-3.89	-8.99/-12.77	-13.44/-6.14	-5.88/-7.87	-9.81/-6.7	-11.82/-4.94	-7.57/-9.82	-10.24/-8.85	-8.98/-15.81	-12.78/-7	-9.42/-9.99	-5.47/-15.78	-6.17/-3.41	-4.83/-5.5	-4.55/-4.84	-3.98/-0.91
Θ (120°)	-4.29/-5.48	-7.18/-4.03	-5.11/-6.41	-6.74/-7.29	-12.18/-4.53	-6.71/-9.37	-6.12/-8.47	-5.73/-7.27	-6.09/-6.47	-15.35/-9.95	-17.19/-8.42	-6.04/-8.02	-8.96/-9.67	-10.08/-7.78	-8.93/-9.64	-13.94/-14.64	-15.73/-18.98	-16.69/-8.22	-8.28/-11.01	-15.59/-17.71	-7.65/-7.54	-5.95/-7.05	-6.35/-7.74	-4.76/-2.19
Θ (127.5°)	-5.22/-6.88	-5.24/-4.1	-6.89/-9.37	-8.09/-5.55	-11.01/-10.23	-9.36/-6.04	-9.07/-9.23	-6.81/-9.51	-11.15/-9.62	-13.72/-17.91	-11.15/-9.62	-14.12/-19.1	-18.75/-9.98	-16.32/-12.73	-18.32/-15.53	-18.65/-18.76	-6.71/-8.32	-7.79/-9.69	-12.97/-18.94	-18.96/-12.95	-9.52/-10.26	-10.12/-12.05	-6.58/-8.76	-6.54/-6.12
Θ (135°)	-7.03/-7.52	-7.55/-8.12	-9.21/-7.15	-6.67/-10.13	-15.75/-12.84	-14.73/-13.62	-11.31/-13.43	-13.13/-13.47	-14.31/-18.74	-15.77/-18.36	-18.19/-14	-19.55/-11.21	-10.99/-11.73	-14.68/-7.48	-10.52/-10.78	-18.07/-12.06	-9.27/-10	-9.53/-10.88	-18.52/-16.75	-12.82/-16.27	-9.87/-12.88	-13.11/-11.93	-13.4/-8.33	-5.32/-5.08
Θ (142.5°)	-5.95/-8.47	-8.13/-8.93	-7.67/-8.75	-9.67/-13.07	-14.39/-16.07	-18.82/-18.8	-14.02/-12.98	-11.95/-11.29	-15.57/-17.05	-17.79/-13.73	-11.88/-15.88	-16.94/-12.6	-10.57/-15.93	-17.51/-14.65	-11.49/-14.15	-17.89/-19.04	-18.33/-13.34	-11.54/-14.39	-18.85/-16.76	-15.91/-13.96	-11.76/-17.42	-17.41/-14.71	-12.32/-7.81	-5.78/-4.54
Θ (150°)	-9.17/-9.18	-10.15/-9.18	-8.95/-8.67	-9.45/-11.51	-13.41/-18.05	-18.43/-16.36	-15.75/-16.35	-15.26/-13.93	-13.69/-14.08	-12.17/-9.73	-8.53/-11.23	-17.67/-18.32	-18.95/-18.5	-13.74/-10.65	-18.27/-15.28	-16.95/-18.3	-16.93/-18.01	-18.87/-18.12	-18.13/-15.14	-14.51/-17.55	-18.27/-18.53	-15.26/-17.07	-10.48/-9.74	-10.48/-10.38
Θ (157.5°)	-10.58/-12.84	-16.25/-13.24	-10.05/-9.14	-9.74/-10.14	-10.77/-13.68	-16.8/-18.49	-17.93/-16.92	-17.47/-14.9	-10.78/-8.96	-9.02/-13.02	-17.44/-17.45	-15.83/-12.6	-14.03/-14.83	-15/-18.37	-18.46/-18.26	-18.19/-19.09	-19.31/-18.99	-18.02/-17.35	-18.62/-19.3	-18.98/-17.91	-16.02/-15.47	-18.29/-18.59	-12.61/-12.29	-15.3/-13.4
Θ (165°)	-10.83/-11.08	-10.76/-10.26	-9.93/-10.68	-12.18/-12.95	-14.89/-19.45	-18.73/-18.25	-17.45/-15.91	-16.63/-17.76	-18.55/-19.56	-18.37/-19.03	-19.31/-19.18	-19.32/-18.61	-17.4/-15.35	-12.52/-10.3	-9.41/-9.13	-9.08/-12.9	-12.04/-13.3	-16.68/-17.34	-19.44/-18.09	-18.8/-18.48	-11.04/-8.92	-7.96/-8.34	-8.99/-8.64	-8.08/-9.52
Θ (172.5°)	-12.33/-12.9	-11.73/-11.2	-11.61/-12	-11.74/-11.95	-12.32/-12.14	-12.26/-14.11	-18.01/-18.3	-19.15/-18.5	-17.76/-18.6	-17.39/-18.41	-19.17/-19.03	-18.89/-17.54	-18.17/-18.36	-18.91/-19.08	-18.84/-18.85	-18.54/-15.25	-13.11/-13.22	-13.97/-15.86	-18.67/-18.96	-18.68/-18.46	-19.17/-18.64	-15.59/-14.43	-14.92/-13.83	-12.34/-11.61
Θ (180°)	-8.2/-8.32	-8.76/-8.93	-8.71/-9.67	-11.45/-12.76	-14.34/-15.23	-15.23/-16.31	-19.09/-17.82	-19.33/-16.2	-14.65/-14.96	-14.9/-13.55	-12.64/-12.03	-12.03/-12.61	-11.92/-10.7	-9.95/-10.11	-10.39/-10.42	-11.19/-13.03	-14.43/-16.62	-18.25/-18.18	-19/-18.71	-17.17/-18.71	-18.78/-16.55	-13.12/-10.85	-10.91/-11.06	-10.21/-8.71
Freq(Hz)	5.885GPol.	Phi/Ant. 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°)	-16.97/-13.66	-13.86/-14.28	-10.6/-8.15	7.89/-7.98	-7.52/-7.02	-6.76/-7.04	-7.6/-8.25	-8.22/-8.3	-9.13/-10.48	-11.56/-13.75	-19.6/-17.87	-17.85/-19.23	-16.03/-13.54	-12.85/-11.3	-9.55/-8.85	-8.24/-7.22	-6.85/-6.74	-7.23/-7.99	-8.06/-8.28	-8.19/-8.52	-9.01/-10.55	-12.45/-15.47	-18.83/-19.15	-17.46/-18.76
Θ (7.5°)	-16.96/-14.61	-13.39/-12.06	-10.58/-8.93	-7.36/-7.26	-7.64/-7.24	-6.72/-6.59	-7.58/-9.08	-10.09/-10.7	-10.58/-10.89	-10.57/-10.81	-11.17/-12.54	-16.1/-18.17	-17.55/-13.34	-10.69/-9.52	-8.6/-7.76	-7.32/-6.65	-6.18/-6.36	-6.66/-6.95	-6.84/-5.65	-6.77/-7.52	-8.53/-9.48	-11.02/-12.98	-15.54/-17.76	-17.45/-18.79
Θ (15°)	-15.76/-15.88	-10.15/-12.11	-7.89/-6.11	-5.63/-5.36	-4.47/-4.39	-5.1/-5.53	-4.51/-5.61	-6.15/-6.59	-7.45/-8.14	-8.37/-8.15	-7.57/-10.51	-15.01/-16.07	-13.16/-10.28	-8.03/-6.2	-4.45/-3.53	-3.21/-3.4	-3.45/-3.57	-3.32/-3.64	-3.27/-3.64	-4.42/-5.29	-6.88/-9.27	-12.56/-15.81	-18.92/-18.28	
Θ (22.5°)	-17.55/-12.77	-9.8/-10	-7.2/-4.49	-4.04/-4.67	-4.71/-3.87	-3.88/-4.98	-5.17/-4.95	-5.47/-5.83	-6.15/-6.96	-7.61/-7.98	-7.83/-7.14	-7.73/-10.8	-15.71/-19.02	-18/-15.2	-9.54/-5.62	-3.93/-3.98	-4.67/-4.97	-4.13/-3.11	-2.48/-2.37	-2.6/-3.65	-4.39/-5.22	-7.51/-10.94	-15.18/-17.66	-18.37/-18.51
Θ (30°)	-11.21/-8.73	-9.02/-9.32	-7.8/-6.09	-5.39/-4.46	-3.89/-4.27	-5.52/-6.13	-4.98/-4.4	-6.34/-9.27	-9.39/-10.42	-11.16/-10.4	-9.8/-8.85	-8.51/-11.23	-16.33/-17.81	-16.01/-18.08	-18.65/-14.53	-10.75/-6.08	-4.01/-3.46	-2.86/-2	-2.84/-5.47	-5.08/-5.39	-8.33/-13.99	-16.8/-18.08	-16.88/-16.3	
Θ (37.5°)	-10.69/-10.47	-10.10/-9.44	-9.12/-8.35	-7.21/-8.37	-5.58/-5.05	-4.99/-4.65	-4.17/-4.28	-7.43/-11.52	-10.1/-12.41	-11.31/-11.38	-10.31/-9.12	-9.53/-12.84	-16.24/-16.28	-18.72/-18.14	-18.44/-13.28	-7.59/-5.89	-5.05/-5.66	-5.65/-4.24	-3.44/-3.87	-4.2/-5.97	-6.92/-7.46	-10.24/-16.59	-18.25/-18.17	-17.67/-13.66
Θ (45°)	-15.39/-14.22	-10.46/-8.52	-7.99/-8.48	-7.79/-7.02	-6.96/-6.24	-4.75/-4.48	-6.27/-6.27	-5.46/-5.77	-6.16/-10.66	-12.6/-12.67	-16.72/-15.03	-13.03/-17.7	-13.28/-14.37	-18.62/-16.04	-18.77/-14.06	-10.99/-10.82	-10.53/-7.41	-4.71/-3.14	-1.77/-2.52	-4.8/-5.57	-6.28/-7.67	-9.31/-10.46	-13.76/-17.29	-18.9/-18.3
Θ (52.5°)	-14.24/-12.75	-10.9/-10.29	-9.58/-9.44	-8.78/-7.48	-7.14/-7.96	-8.29/-8.48	-7.21/-7.39	-5.94/-3.9	-3.56/-6.77	-9.23/-14.5	-17.26/-19.03	-19.3/-18.13	-13.87/-16.96	-15.56/-15.94	-18.64/-14.06	-18.87/-13.49	-8.22/-2.59	-4.59/-3.86	-2.71/-3.89	-4.34/-5.45	-5.41/-7.05	-8.66/-10.5	-14.97/-15.73	-18.06/-16.68
Θ (60°)	-13.22/-12.76	-11.53/-11.81	-13.79/-12.87	-9.26/-9.42	-9.33/-10.55	-12.28/-8.17	-8/-5.93	-8.88/-4.9	-5.33/-9.52	-12.39/-10.55	-13.73/-13.72	-19.27/-18.22	-17.94/-13.01	-13.96/-11.92	-18.11/-12.44	-9.48/-7.73	-3.32/-2.95	-3.14/-3.59	-4.43/-5.21	-6.78/-6.84	-8.43/-8.79	-11.9/-13.61	-18.06/-18.44	
Θ (67.5°)	-15.06/-15.82	-12.63/-10.68	-12.89/-13.71	-10.63/-10.14	-12.83/-11.58	-14.69/-10.23	-9.77/-7.25	-8.3/-4.73	-4.77/-6.16	-5.35/-9.88	-8.89/-8.33	-7.42/-8.7	-12.2/-18.23	-15.76/-16.48	-11.64/-11.34	-11.58/-9.74	-7.58/-3.99	-2.58/-2.92	-2.26/-4.1	-6.25/-5.61	-7.11/-6.47	-8.99/-10.67	-16.78/-17.73	-15.68/-15.73
Θ (75°)	-16.7/-19.19	-13.29/-10.82	-14.41/-12.25	-13.82/-15.5	-16.08/-12.95	-15.52/-11.22	-8.35/-7.54	-8.19/-6.06	-6.3/-7.1	-6.46/-6.66	-9.98/-10.1	-7.96/-9.38	-9.29/-19.09	-18.64/-12.33	-11.18/-8.96	-12.53/-12.52	-6.99/-3.01	-2.59/-3.28	-2.82/-4.17	-6.21/-6.2	-11.09/-10.21	-11.69/-13.47	-18.04/-15.63	-17.79/-12.64
Θ (82.5°)	-15.61/-19.32	-14.91/-12.77	-18.41/-14.78	-17.18/-18.89	-18.57/-17.51	-13.26/-12.99	-9.86/-7.3	-8.86/-7.87	-8.37/-7.24	-14.48/-13.05	-10.86/-12.2	-16.28/-19.5	-15.36/-12.41	-11.86/-13.23	-13.97/-10.06	-4.19/-1.65	-2.05/-2.28	-3.32/-6.25	-5.46/-7.94	-10.12/-12.58	-18.23/-13.86	-15.23/-13.97	-10.73/-11.1	
Θ (90°)	-14.26/-18.49	-15.22/-15.62	-17.66/-19.18	-18.14/-19.04	-14.71/-18.13	-12.11/-18.11	-13.81/-9.82	-12.25/-8.06	-9.98/-9.16	-10.93/-17.06	-18.63/-18.33	-11.96/-14.11	-10.35/-14.97	-18.31/-12.12	-16.07/-15.27	-14.59/-8.66	-3.65/-2.63	-3.06/-4.4	-6.61/-7.75	-9.71/-9.16	-10.37/-16	-18.54/-17.15	-11.5/-11.7	-9.89/-10.59
Θ (97.5°)	-14.41/-17.47	-17.22/-18.1	-18.91/-18.76	-18.46/-15.32	-10.75/-16.21	-12.12/-15.48	-13.74/-14.91	-13.7/-8.62	-15.44/-11.2	-10.44/-14.84	-17.91/-19.87	-18.64/-15.73	-14.21/-13.95	-18/-13.52	-18.69/-18.43	-8.59/-9.1	-4.8/-4.4	-9.48/-11.15	-10.27/-9.55	-10.71/-10.18	-9.77/-15.44	-18.17/-15.96	-10.48/-8.73	-10.45/-11.68
Θ (105°)	-14.74/-17.23	-17.45/-18.43	-18.01/-17.44	-9.07/-14.58	-12.61/-14.06	-14.45/-10.51	-14.21/-11.06	-16.27/-14.55	-12.2/-14.41	-17.01/-14.55	-15.64/-18.25	-17.71/-13.85	-16.16/-19.68	-16.03/-16.97	-17.71/-17.4	-7.59/-10.49	-16.06/-11.46	-8.4/-8.57	-7.72/-10.89	-12.55/-13.21	-16.25/-15.78	-12.44/-9.47	-14.72/-15.22	
Θ (112.5°)	-15.94/-16.34	-19.28/-17.34	-17.66/-19.41	-14.63/-16.18	-10.44/-11.34	-12.4/-13.6	-12.97/-11.51	-17.33/-12.3	-12.85/-14.79	-18.69/-10.07	-15/-14.75	-15.21/-18.92	-18.28/-18.68	-14.6/-18.32	-18.41/-12.4	-12.16/-10.88	-11.48/-10.43	-11.9/-8.14	-6.94/-5.96	-9.09/-11.04	-12.55/-14.38	-19.43/-12	-9.48/-10.66	-17.39/-15.33
Θ (120°)	-18.37/-19	-18.33/-18.17	-18.53/-17.22	-12.85/-13.77	-14.1/-12.55	-10.49/-10.72	-12.66/-11.74	-13.62/-11.95	-15.16/-13.72	-13.69/-18.63	-18.56/-15.56	-18.63/-17.81	-17.92/-18.82	-13.52/-19.08	-17.19/-16.92	-11.04/-14.03	-11.04/-16.08	-17.75/-10.42	-6.53/-8	-1.127/-13.2	-12.62/-16.12	-11.94/-15.87	-10.54/-11.53	-14.27/-17.47
Θ (127.5°)	-17.53/-16.08	-17.7/-16.1	-19.08/-18.96	-13.31/-12.08	-14.32/-15.27	-14.52/-10.09	-10.45/-11.48	-13.42/-9.36	-10.94/-17.47	-12.67/-11.56	-14.29/-17.94	-16.95/-19.25	-18.97/-14.56	-15.25/-15.69	-16.66/-9.65	-17.97/-17.56	-9.5/-12.68	-14.11/-6.49	-6.42/-8.49	-8.98/-15.13	-12.6/-9.23	-10.17/-10.49	-9.2/-14.09	-16.35/-18.44
Θ (135°)	-18.01/-16.35	-18.05/-17.27	-18.23/-18.52	-16.08/-13.05	-14.39/-11.27	-15.46/-11.03	-10.02/-8.62	-11.65/-14.38	-9.39/-8.65	-11.26/-19.27	-12.71/-11.55	-12.64/-18.43	-14.71/-13.5	-16.85/-13.27	-18.45/-15.47	-18.18/-17.79	-19.11/-18.58	-17.76/-18.68	-11.67/-10.35	-13.07/-15.02	-12.57/-13.47	-12.54/-11.52	-7.4/-13.18	-16.88/-16.02
Θ (142.5°)	-17.34/-18.27	-18.49/-18.12	-16.89/-18.66	-18.03/-13.59	-12.47/-14.84	-10.28/-11.12	-14.19/-10.84	-9.74/-11.57	-13.79/-14.91	-10.9/-11.7	-11.47/-18.56	-12.9/-12.2	-9.91/-17.3	-11.09/-10.93	-18.21/-18.16	-17.89/-18.26	-15.94/-16.31	-15.84/-15.51	-13.77/-12.58	-12.42/-10.12	-14.13/-14.55	-17.47/-11.78	-10.08/-15.48	-18.3/-18.88
Θ (150°)	-18.58/-17.98	-18.09/-17.37	-18.4/-16.81	-13.92/-14.98	-16.15/-14.82	-11.71/-12.38	-14.4/-14.1	-13.46/-13.42	-11.28/-10.86	-16.79/-17.97	-18.16/-18.07	-15.12/-11.87	-15.71/-17.64	-17.78/-18.3	-18.31/-17.26	-17.71/-18.67	-18.81/-17.75	-11.74/-10.22	-14.44/-16.47	-13.75/-11.12	-14.5/-17.83	-17.82/-17.37	-19.31/-18.	



Radiated Composite Gain Data of Scan Radio/LE

Appendix A.6

Θ(165°)	-13.71/-12.18	-14.74/-16.76	-13.44/-10.99	-11.11/-11.77	-11.51/-11.23	-11.14/-13.12	-16.51/-18.18	-17.96/-18.28	-18.79/-17.58	-19.45/-16.34	-18.31/-17.46	-13.47/-14.12	-15.87/-17.41	-18.2/-13.63	-11.19/-15.02	-12.78/-11.88	-18.96/-19.9	-17.35/-17.9	-18.23/-16.66	-15.75/-13.71	-11.61/-11.08	-12.71/-11.95	-10.92/-14.82	-18.5/-17.32
Θ(172.5°)	-8.28/-9.18	-10.83/-12.14	-13.56/-13.3	-13.18/-12.69	-13.54/-16.24	-18.01/-18.21	-17.86/-18.12	-19.81/-18.4	-17.93/-18	-18.65/-17.48	-17.59/-18.14	-19.01/-19.06	-16.55/-14.31	-14.67/-15.07	-13.69/-12.4	-11.82/-11.88	-12.61/-14.51	-17.26/-18.98	-17.74/-18	-18.36/-18.4	-14.25/-12.1	-11.71/-11.45	-10.04/-8.52	-8.13/-8.31
Θ(180°)	-17.02/-16.62	-14.42/-14.14	-13.83/-14.03	-13.13/-13.23	-13.65/-14.24	-14.58/-16.25	-18.97/-18.17	-16.74/-17.71	-18.08/-17.13	-13.54/-12.82	-15.26/-17.1	-14.37/-11.66	-12.81/-12.55	-12.75/-11.88	-12.02/-12.25	-12.21/-11.91	-12.61/-13.87	-16.51/-17.23	-18.45/-18.08	-19.05/-17.47	-19.16/-17.52	-18.36/-18.86	-16.93/-18.84	-6.52/-14.97
Freq(Hz)	6.475GPol.	Phi/Ant. 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°)	-13.23/-13.39	-10.92/-7.74	-6.17/-5.95	-5.41/-4.21	-3.52/-3.09	-2.77/-3.04	-3.47/-3.64	-3.97/-4.77	-5.51/-5.98	-7.72/-10.36	-12.54/-13.97	-18.67/-13.59	-11.59/-8.15	-5.2/-4.2	-4.3/-3.67	-2.51/-1.84	-2.25/-2.66	-3.01/-3.17	-3.32/-4.15	-5.12/-5.64	-3.01/-3.17	-13.26/-16.45	-19.38/-19.25	-
Θ(7.5°)	-18.82/-12.29	-9.49/-6.33	-4.25/-3.37	-2.64/-1.85	-1.51/-1.44	-1.29/-1.58	-2.76/-4.29	-5.72/-7.58	-9.43/-11.24	-14.52/-17.84	-16.91/-16.05	-15.26/-16.18	-16.68/-16.87	-14.79/-10.69	-8.19/-7.38	-6/-5.1	-3.58/-2.62	-2.19/-1.57	-1.66/-1.71	-2.07/-2.39	-3.17/-4.53	-5.62/-7.21	-9.11/-10.81	-13.49/-19.03
Θ(15°)	-12.07/-7.02	-5.32/-4.81	-3.12/-2.17	-2.57/-2.18	-1.36/-1.57	-2.47/-2.89	-3.57/-5.29	-7.22/-9.49	-12.51/-15.42	-18.75/-18.4	-14.48/-10.98	-9.57/-9.24	-9.05/-9.07	-9.09/-8.33	-6.76/-6.94	-7.37/-6.87	-5.61/-3.6	-2.39/-1.74	-1.67/-2.11	-2.6/-3.02	-4.86/-7.41	-9.72/-12.63	-17.58/-18.96	-17.68/-18.06
Θ(22.5°)	-9.85/-5.56	-3.19/-2.88	-3.29/-3.34	-3.98/-4.3	-3.15/-2.63	-4.36/-7.03	-7.67/-7.42	-7.24/-9.53	-14/-14.08	-13.56/-15.73	-17.77/-12.04	-9.03/-8.07	-8.3/-7.34	-6.1/-5.5	-4.46/-3.37	-2.71/-2.25	-2.27/-1.38	-0.82/-0.75	-1.54/-3.2	-5.14/-6.72	-9.49/-11.83	-11.36/-10.7	-10.97/-13.82	-18.65/-16.38
Θ(30°)	-13.77/-10.39	-6.42/-3.94	-3.66/-4.89	-5.38/-4.78	-4.23/-3.67	-3.06/-4.94	-9.84/-10.21	-7.85/-8.08	-11.32/-11.12	-11.32/-15.69	-19.03/-15.29	-10.86/-11.1	-13.34/-12.03	-9.94/-7.98	-4.05/-3.92	-5.31/-4.62	-3.14/-1.31	0.41/-28	0.35/-2.41	-5.91/-6.77	-9.3/-10.8	-9.72/-11.07	-12.36/-15.03	-17.97/-17.36
Θ(37.5°)	-10.01/-8.58	-6.91/-5.41	-5.41/-5.63	-6.01/-5.2	-3.44/-3.59	-4.3/-4.39	-10.05/-12.32	-14.97/-12.04	-12.31/-13.19	-18.01/-19.3	-14.66/-17.65	-12.22/-6.85	-7.39/-10.86	-5.83/-3.13	-2.57/-1.76	-0.29/-0.46	-0.64/-3.05	-4.43/-5.81	-9.12/-9.73	-8.6/-8.91	-10.36/-13.99	-16.13/-12.61	-	-
Θ(45°)	-14.02/-9.64	-7.18/-7.95	-9.52/-8.49	-5.87/-7.48	-4.19/-2.9	-3.55/-3.65	-3.51/-5.5	-8.29/-11.89	-10.74/-7.44	-7.86/-9.49	-12.97/-17.21	-16.44/-16.2	-14.25/-11.25	-13.52/-16.23	-15.51/-17.48	-5.88/-5.94	-5.41/-4.28	-3.05/-1.81	-1.81/-3.38	-4.41/-5.76	-8.27/-7.93	-6.82/-7	-6.53/-10.1	-15.58/-15.2
Θ(52.5°)	-16.34/-13.06	-9.93/-9.73	-9.8/-6.95	-5.2/-5.46	-4.03/-2.15	-4.11/-4.1	-1.78/-3.16	-6.26/-7.78	-6.32/-7.32	-7.96/-7.08	-15.96/-16.21	-13.88/-12.17	-19.19/-11.97	-17.91/-17.94	-10.69/-9.44	-12.15/-10.24	-6.63/-3.87	-2.22/-0.55	-1.34/-2.48	-4.03/-6.05	-6.19/-5.94	-5.4/-5.74	-5.96/-8.55	-12.34/-14.47
Θ(60°)	-12.15/-16.26	-14.79/-13.1	-8.62/-6	-6.49/-7.4	-7.72/-4.33	-4.48/-4.84	-2.61/-2.4	-2.32/-4.46	-4.02/-5.78	-7.3/-5.44	-12.98/-11.79	-14.51/-10.73	-14.09/-17.5	-18.59/-15.05	-10.11/-15.52	-18.59/-15.53	-8.02/-4.07	-3.53/-2.12	-2.21/-2.83	-4.38/-6.62	-6.12/-6.27	-5.53/-6.19	-6.91/-6.85	-8.14/-10.35
Θ(67.5°)	-9.05/-15.51	-17.79/-13.97	-10.23/-8.26	-11.94/-13.9	-13.25/-11.68	-11.29/-12.16	-6.53/-4.18	-2.01/-2.14	-3.59/-4.13	-6.81/-4.66	-8.73/-6.36	-9.29/-12.83	-17.37/-19.02	-18.11/-15.55	-11.65/-18.65	-12.65/-8.66	-7.25/-3.7	-2.89/-2.95	-3.22/-5.19	-8.6/-10.56	-10.69/-8.39	-8.13/-5.93	-5.92/-6.62	-
Θ(75°)	-10.55/-14.26	-18.89/-19.04	-14.81/-10.81	-15.91/-18.01	-17.82/-18.94	-18.44/-18.05	-10.69/-5.75	-3.9/-3.47	-2.54/-8	-8.82/-6.08	-7.04/-5.09	-7.21/-10.57	-10.06/-19.19	-18.81/-19.43	-12.51/-16.66	-10.2/-6.71	-3.73/-1.36	-1.83/-2.48	-1.64/-5.61	-12.24/-8.49	-10.21/-12.91	-11.86/-9.07	-7.88/-7.66	-6.33/-6.81
Θ(82.5°)	-9.13/-11.41	-15.42/-19.07	-18.56/-10.47	-18.76/-15.76	-13.65/-11.83	-14.11/-16.84	-16.65/-7.45	-4.86/-3.42	-2.61/-8.12	-11.31/-9.37	-11.76/-8.62	-9.51/-14.34	-11.67/-16.71	-17.68/-16.72	-11.1/-11.88	-9.27/-26	-2.69/-1.7	-1.88/-2.95	-3.64/-10.17	-12.01/-9.21	-9.05/-17.22	-16.36/-8.66	-9.86/-10.83	-6.52/-7.44
Θ(90°)	-8.96/-11.91	-13.91/-13.99	-18.71/-17.52	-14.37/-12.43	-12.96/-9.85	-8.61/-14.34	-18.16/-10.73	-9.7/-5.21	-4.41/-6.5	-15.79/-9.22	-11.12/-10.93	-10.35/-15.53	-14.65/-13.74	-18.08/-16.02	-16.45/-17.48	-18.33/-5.83	-2.26/-2.95	-5.79/-5.18	-7.45/-18.53	-10.44/-10.58	-9.1/-17.27	-18.22/-6.77	-9.21/-10.3	-6.77/-6.73
Θ(97.5°)	-12.37/-13.62	-12.42/-19.06	-18.64/-12.67	-13.5/-11.1	-11.21/-10.4	-7.98/-12.22	-18.44/-12.42	-16.22/-7.07	-5.36/-9.32	-12.14/-9.25	-10.17/-18.14	-11.67/-17.21	-16.69/-15.4	-18.77/-18.78	-18.87/-18.5	-13.26/-5.01	-3.39/-5.41	-9.92/-12.94	-18.4/-14.21	-9.15/-11.4	-11.62/-17.38	-18.53/-8.96	-7.55/-9.66	-7.93/-8.46
Θ(105°)	-13.23/-14.67	-14.47/-17.92	-18.21/-13.71	-11.64/-9.93	-8.87/-11.65	-8.6/-9.77	-13.56/-11.2	-16.87/-12.05	-9.08/-11.41	-11.82/-8.95	-6.92/-13.34	-18.72/-19.29	-17.46/-18.32	-18.83/-17.81	-18.52/-18.56	-11.48/-7.54	-7.85/-10.57	-18.94/-18.26	-14.63/-8.12	-10.61/-11.74	-16.02/-13.45	-17.75/-12.02	-10.15/-9.15	-8.62/-10.22
Θ(112.5°)	-15.57/-15.42	-16.66/-18.99	-17.14/-18.47	-13.63/-9.56	-8.87/-12.55	-11.22/-11.5	-12.13/-15.13	-11.94/-9.64	-12.62/-16.33	-7.8/-8.54	-14.52/-19.39	-15.61/-18.21	-16.75/-18.88	-17.44/-12.71	-11.48/-11.02	-14.79/-12.3	-18.43/-12.24	-11.31/-9.01	-11.4/-17.52	-15.71/-18.1	-16.73/-8.19	-10.04/-11.03	-12.09/-12.19	-
Θ(120°)	-17.56/-17.66	-18.13/-18.61	-17.26/-18.11	-14.37/-9.74	-6.56/-7.71	-9.42/-10.41	-8.91/-12.34	-8.39/-11.95	-11.95/-14.82	-13.74/-18.17	-16.4/-10.71	-11.83/-15.67	-18.65/-17.45	-18.79/-19.36	-18.3/-10.82	-14.7/-8.96	-13.69/-13.74	-17.97/-13.51	-10.17/-6.43	-11.24/-19	-8.74/-7.58	-15.43/-9.33	-8.26/-8.86	-11.99/-11.78
Θ(127.5°)	-19.03/-17.53	-18.64/-17.89	-15.92/-16.64	-18.19/-9.43	-7.28/-7.42	-7.12/-9.74	-9.5/-8.95	-7.96/-9.53	-10.12/-10.83	-16.86/-14.95	-17.76/-14.96	-17.8/-15.41	-17.95/-11.67	-13.52/-15.24	-10.86/-10.85	-17.1/-13.28	-5.59/-14.32	-16.49/-64	-8.5/-8.07	-13.22/-16.81	-11.76/-7.56	-9.14/-7.86	-8.95/-14.66	-13.4/-18.8
Θ(135°)	-15.52/-18.96	-18.93/-19.83	-18.76/-19.28	-12.68/-10.26	-8.21/-6.48	-7.78/-13.73	-9.07/-8.46	-7.25/-7.61	-8.92/-8.63	-16.83/-14.3	-13.59/-11.38	-15.95/-14.15	-18.73/-9.66	-18.12/-12.83	-18.14/-11.34	-14.65/-10.81	-14.65/-10.85	-9.66/-10.59	-9.51/-11.72	-12.22/-10.98	-10.25/-6.06	-7.39/-14.22	-18.38/-19.5	-
Θ(142.5°)	-16.12/-16.48	-19.13/-18.94	-18.8/-18.79	-17.35/-12.27	-10.96/-8.84	-8.71/-10.41	-17.10/-15.53	-8.69/-8.28	-8.77/-11.73	-16.43/-13.7	-18.29/-16.95	-16.93/-13.1	-13.52/-10.36	-14.72/-18.56	-15.22/-12.99	-11.49/-11.59	-8.94/-13.31	-18.78/-15.88	-13.24/-14.23	-10.13/-12.98	-14.08/-12.61	-12.71/-11.21	-11.43/-11.55	-17.23/-18.24
Θ(150°)	-19.73/-18.41	-18.27/-16.51	-18.99/-18.51	-13.89/-13.19	-10.78/-6.1	-9.52/-10.43	-9.87/-12.65	-12.87/-12.13	-12.48/-14.35	-19.16/-15.37	-18.13/-18.52	-18.57/-15.02	-13.84/-19.08	-17.36/-19.02	-18.05/-18.14	-17.35/-19.01	-17.64/-13.63	-19.33/-12.97	-9.02/-10.85	-13.62/-11.33	-13.18/-15.24	-17.63/-13.18	-17.27/-18.55	-17.4/-18.8
Θ(157.5°)	-19.36/-17.62	-18.18/-18.28	-14.82/-12.21	-14.59/-18.86	-13.32/-10.47	-10.4/-11.29	-10.82/-10.49	-11.48/-13.17	-16.08/-17.12	-15.26/-14.74	-12.07/-11.84	-15.93/-18.33	-17.77/-16	-17.39/-19.25	-15.2/-17.46	-18.44/-18.58	-18.46/-18.29	-17.26/-8.28	-6.76/-9.03	-12.71/-9.87	-9.27/-10.46	-13.84/-18.63	-18.93/-17.8	-19.03/-19.47
Θ(165°)	-18.54/-18.28	-18.66/-17.83	-19.2/-18.86	-14.37/-12.21	-11.81/-11.95	-12.81/-13.38	-12.14/-9.8	-9.37/-9.76	-18.94/-10.85	-15.16/-17.77	-15.64/-15.49	-19.33/-18.23	-18.69/-18.68	-18.38/-15.61	-18.18/-17.98	-17.37/-19.35	-18.23/-15.9	-10.35/-8.35	-8.77/-9.84	-8.75/-8.98	-10.2/-11.48	-12.64/-15.69	-17.4/-16.73	-19.39/-18.19
Θ(172.5°)	-17.78/-18.69	-19.07/-17.78	-18.44/-17.72	-16.36/-14.48	-12.64/-12.22	-13.79/-14.56	-13.04/-13.33	-14.67/-14.39	-14.35/-15.47	-18.97/-18.37	-17.93/-17.88	-16.52/-18.05	-17.79/-18.99	-19.31/-18.69	-17.03/-14.48	-11.67/-11.39	-10.74/-10.81	-10.81/-10.46	-11.79/-12.44	-13.21/-13.35	-12.62/-11.15	-11.1/-12.35	-15.15/-16.75	-16.35/-18.82
Θ(180°)	-17.29/-17.68	-19.15/-17.58	-17.49/-18.87	-18.54/-18.92	-19.29/-18.76	-19.12/-18.91	-18.77/-18.55	-15.39/-15.61	-15.22/-14.76	-15.44/-16.92	-17.9/-17.96	-17.64/-18.88	-17.97/-18.58	-18.07/-18.08	-18.16/-18.19	-17.25/-19.06	-18.09/-18.64	-18.51/-15.52	-14.78/-14.56	-15.09/-15.27	-14.72/-15.8	-18.18/-18.1	-18.7/-18.21	-17.48/-18.68
Freq(Hz)	6.475GPol.	Theta/Ant. 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°)	-3.97/-4.61	-5.8/-6.52	-6.98/-8.03	-9.28/-11.27	-14.23/-17.48	-17.81/-17.39	-17.55/-14.88	-12.32/-10.3	-8.09/-6.4	-5.54/-4.73	-3.66/-2.87	-2.56/-1.6	-3.4/-3.41	-3.74/-2.3	-5.24/-6.16	-17.56/-18.45	-12.83/-16.44	-17.56/-18.85	-16.5/-13.01	-9.85/-8.11	-7.6/-7.07	-5.24/-6.6	-4.66/-4.51	-4.06/-3.78
Θ(7.5°)	-0.79/-1.32	-1.33/-1.37	-2.16/-3.23	-4.13/-5.93	-8.68/-11.92	-14.24/-14.45	-12.09/-10.3	-9.21/-7.92	-6.9/-6.42															



Radiated Composite Gain Data of Scan Radio/LE

Appendix A.6

Θ(7.5°)	-5.87/-4.19	-2.48/-0.53	0.47/0.87	1.33/1.68	1.92/1.58	1.56/1.29	0.56/-0.27	-1.17/-2.16	-3.23/-4.6	-5.95/-17.07	-10.29/-12.64	-12.82/-15.09	-16.02/-11.34	-8.02/-6.17	-5.09/-3.59	-2.43/-1.22	-0.14/-0.35	0.74/0.81	0.58/0.17	-0.5/-1.27	-2.34/-3.84	-5.63/-8.19	-13.53/-19.02	-14.93/-8.67
Θ(15°)	-7.18/-5.1	-3.4/-1.57	-0.62/-0.6	-0.57/-0.59	-0.82/-1.25	-1.52/-1.72	-2.8/-4.7	-6.01/-0.72	-8.27/-9.93	-12.67/-15.78	-14.1/-14.24	-9/-8.18	-8.8/-8.4	-7.32/-6.9	-5.96/-5.13	-3.82/-2.89	-2.58/-1.79	-1.02/-0.87	-1.38/-1.9	-2.91/-4.13	-4.89/-4.85	-5.06/-6.79	-10.72/-16.44	-17.52/-11.2
Θ(22.5°)	-11.69/-8.96	-7.12/-4.01	-2.91/-2.45	-2.26/-1.93	-2.08/-2.05	-1.39/-1.79	-3.86/-7.77	-10.69/-9.99	-12.62/-15.18	-18.22/-18.71	-18.52/-18.48	-11.14/-8.6	-8.4/-8.09	-6.33/-4.78	-4.75/-5.4	-5.74/-1.31	-1.89/-1.8	-2.3/-3.14	-4.79/-6.42	-4.37/-4.62	-5.73/-9.96	-4.14/-6.16	-9.79/-15.28	-18.79/-18.49
Θ(30°)	-8.25/-7.18	-6.75/-6.36	-5.49/-3.69	-2.88/-2.39	-2.68/-1.62	-1.03/-1.79	-3.23/-5.78	-8.09/-7.6	-8.66/-13.59	-19.31/-18.99	-18.59/-17.92	-18.07/-13.72	-12.37/-11.8	-8.36/-7.1	-5.13/-2.45	-2.62/-3.62	-2.6/-0.8	-0.58/-3.01	-3.74/-2.03	-2.65/-5.08	-6.9/-5.89	-6.73/-8.81	-10.94/-14.94	-18.41/-11.63
Θ(37.5°)	-14.37/-10.19	-9.68/-12.14	-8.87/-5.2	-2.99/-0.94	-0.17/-1.61	-2.86/-2.91	-2.46/-3.18	-5.27/-6.04	-9.21/-15.77	-14.9/-12.77	-12.4/-16.18	-19.33/-16.75	-18.93/-18.11	-11.88/-7.1	-4.73/-6.66	-6.6/-3.24	-1.51/-0.01	-0.3/-3.38	-4.29/-3.14	-6.09/-9.94	-7.09/-5.2	-4.33/-6.16	-7.44/-9.99	-16.77/-17.71
Θ(45°)	-17.27/-18.95	-15.84/-10.59	-6.64/-4.5	-3.27/-2.18	-2.15/-2.5	-1.97/-3.58	-3.49/-2.91	-5.88/-7	-15.37/-12.64	-12.46/-14.89	-10.39/-11.02	-13.04/-13.56	-18.72/-15.89	-13.39/-7.91	-12.79/-7.1	-4.29/-2.95	-3.87/-3.94	-4.41/-4.14	-3.53/-2.7	-4.16/-7.94	-10.48/-6	-6.32/-4.3	-3.39/-5.8	-12.36/-17.74
Θ(52.5°)	-10.73/-13.55	-16.01/-13.68	-8.01/-5.05	-5.61/-6.45	-5.76/-5.14	-4.32/-5.25	-3.61/-2.55	-4.79/-5.53	-8.13/-4.21	-7.69/-11.44	-13.22/-15.44	-15.32/-11.5	-17.92/-14.45	-15/-18.87	-7.55/-7.51	-9.68/-8.5	-5.55/-5.04	-2.55/-2.37	-4.08/-3.6	-5.43/-8.65	-7.95/-7.63	-7.26/-6.07	-3.59/-5.41	-6.66/-8.12
Θ(60°)	-9.09/-10.9	-10.83/-10.14	-9.66/-7.45	-8.82/-11.26	-11.23/-12.84	-8.89/-6.64	-7.1/-4.41	-4/-3.78	-3.53/-3.49	-4.2/-5.78	-7.8/-18.38	-18.57/-13.26	-15.71/-12.93	-19.18/-17.96	-11.43/-15.21	-17.92/-15.08	-8.65/-5.04	-3.05/-2.27	-4.35/-4.58	-5.91/-9.24	-9.33/-8.68	-10.15/-7.33	-5.99/-5.74	-6.14/-7.35
Θ(67.5°)	-10.69/-12.21	-11.44/-9.27	-11.56/-12.12	-14.03/-18.76	-18.03/-18.57	-18.03/-11.66	-6.56/-5.59	-3.9/-2.4	-3.48/-3.27	-4.31/-6.25	-6.26/-8.52	-11.37/-17.37	-17.49/-13.92	-18.11/-16.68	-11.65/-18.94	-12.72/-15.45	-7.55/-3.73	-1.8/-1.94	-4.98/-7.61	-5.68/-8.97	-5.96/-6.53	-7.45/-6.38	-7.74/-8.53	-8.91/-8.97
Θ(75°)	-13.77/-15.32	-11.78/-8.31	-11.11/-16.48	-17.86/-17.48	-15.69/-18.27	-18.2/-14.25	-16.94/-7.46	-5.2/-5.02	-3.84/-3.94	-5.83/-11.57	-6.22/-5.06	-6.69/-12.85	-13.92/-12.24	-17.44/-15.67	-11.68/-12.34	-11/-9.51	-3.09/-2.45	-1.67/-1.82	-6.81/-6.88	-6.28/-8.19	-6.04/-6.69	-6.63/-4.93	-7.7/-7.82	-11.74/-11.91
Θ(82.5°)	-16.82/-18.66	-11.33/-8.27	-13.27/-16.7	-16.56/-18.94	-12.16/-18.8	-18.18/-9.62	-8.84/-8.23	-3.69/-7.01	-3.92/-6.43	-9.96/-13.25	-8.55/-4.59	-5.9/-11.1	-16.41/-12.93	-16.88/-17.75	-10.62/-12.57	-12.41/-6.25	-0.82/-1.36	-2.81/-4.49	-10.17/-6.92	-7.7/-7.7	-8.06/-9.96	-7.31/-4.55	-6.29/-6.68	-10.37/-13.63
Θ(90°)	-17.41/-16.66	-11.87/-10.48	-15.23/-19.91	-12.26/-13.65	-11.61/-12.8	-13.77/-10.6	-11.57/-11.01	-4.13/-7.67	-5.69/-9.14	-11.51/-12.62	-12.84/-8.16	-10.46/-11.72	-19.27/-15.25	-17.38/-12.29	-12.65/-18.45	-12.74/-4.03	-0.37/-2.36	-3.86/-8.91	-15.35/-11.25	-12.39/-12.48	-17.92/-10.34	-7.74/-7.27	-4.62/-6.5	-8.65/-15.11
Θ(97.5°)	-19/-18.88	-12.7/-11.67	-15.76/-17.38	-9.39/-12.94	-12.75/-9.61	-9.85/-14.18	-11.64/-11.91	-6.73/-6.28	-6.53/-13.25	-15.57/-9.48	-9.83/-16.66	-14/-18.88	-18.45/-12.67	-12.9/-15.12	-18.94/-16.55	-9.59/-2.73	-1.96/-8.56	-10.95/-17.04	-11.04/-17.55	-19.22/-18.21	-12.93/-11.23	-5.77/-2.66	-3.29/-5.58	-7.21/-15.59
Θ(105°)	-18.24/-16.91	-10.47/-14.82	-15.69/-15.04	-9.13/-12.54	-9.79/-8.91	-9.86/-18.26	-17.39/-18.77	-15.26/-7.2	-12.63/-11.37	-17.36/-11.43	-8.11/-11.97	-18.88/-16.35	-13.73/-18.71	-18.48/-11.94	-19.26/-17.87	-10.36/-13.73	-17.83/-14.16	-10.7/-19.24	-19/-12.25	-9.85/-8.87	-8.08/-5.1	-4.27/-7.81	-8.11/-14.31	
Θ(112.5°)	-18.65/-17.38	-15.86/-15.97	-12.56/-14.58	-10.04/-10.05	-9.52/-9.44	-9.39/-14.35	-18.27/-17.4	-16.09/-7.6	-13.57/-13.55	-12.64/-12.66	-7.04/-8.49	-13.51/-18.71	-13.23/-18.56	-15.77/-17.45	-18.75/-13.92	-7.59/-10.31	-10.87/-15.02	-18.39/-12	-9.45/-11.83	-15.92/-11.75	-6.37/-7.81	-6.34/-4.3	-6.4/-7.94	-9.56/-12.96
Θ(120°)	-18.18/-17.41	-16.47/-10.68	-14.34/-16.43	-10.23/-12.57	-9.29/-8.8	-8.24/-10.3	-12.98/-16.68	-17.73/-14.02	-12.1/-14.51	-18.83/-13.49	-17.84/-11.47	-9.39/-15.54	-19.18/-16.6	-17.92/-11.65	-17.98/-8.13	-13.27/-6.09	-8.3/-13.02	-11.66/-9.1	-5.54/-6.44	-11.07/-7.78	-7.91/-6.73	-10.12/-6.61	-6.4/-7.38	-12.83/-13.97
Θ(127.5°)	-17.25/-18.43	-15.96/-13.1	-17.1/-14.24	-9.46/-8.65	-13.72/-11.63	-11.07/-12.42	-15.98/-14.59	-10.32/-9.03	-15.26/-7.2	-12.63/-11.37	-18.88/-14.14	-14.84/-8.82	-18.15/-4.09	-11.75/-11.71	-10.41/-11.96	-11.61/-34	-6.97/-9.3	-14.31/-3.29	-7.95/-3.82	-12.24/-15.81	-4.92/-3.7	-6.45/-7.76	-10.12/-9.42	-14.6/-17.17
Θ(135°)	-17.74/-17.26	-13.44/-12.96	-15.06/-10.81	-13.21/-15.31	-10.47/-8.92	-7.73/-7.04	-11.79/-9.67	-9.07/-7.61	-12.33/-10.43	-9.26/-12.45	-18.12/-14.28	-18.8/-8.93	-19.39/-9.19	-18.24/-12.19	-18.6/-12.14	-16.64/-18.62	-10.37/-9.12	-15.43/-14.12	-7.05/-7.61	-12.39/-9.86	-12.15/-7.77	-6.75/-7.2	-10.34/-10.27	-13.7/-18.17
Θ(142.5°)	-18.56/-18.3	-17.95/-15.71	-11.98/-13.81	-11.2/-7.97	-8.21/-16.58	-7.18/-7.56	-9.31/-7.29	-11.81/-6.88	-8.92/-12.3	-12.02/-11.42	-16.35/-18.67	-18.42/-11.97	-16.97/-12.06	-17.56/-14.35	-13.5/-9.38	-11.26/-11.76	-9.29/-11.76	-15.83/-18.44	-9.03/-11.17	-16.28/-8.31	-8.73/-9.42	-10.78/-7.52	-8.65/-13.9	-12.12/-17.78
Θ(150°)	-18.77/-17.78	-18.19/-18	-18.29/-14.12	-11.33/-10.89	-13.33/-11.03	-10.77/-17.96	-10.71/-7.57	-14.69/-13.36	-8.84/-8.42	-13.86/-18.02	-17.66/-17.59	-17.22/-18.17	-17.9/-17.48	-16.79/-18.84	-18.5/-18.74	-18.23/-14.13	-18.32/-17.53	-16.52/-12.77	-18.64/-11.78	-8.34/-12.63	-15.48/-11.86	-12.5/-17.97	-15.56/-18.04	-18.6/-18.58
Θ(157.5°)	-18.33/-18.44	-18.4/-18.91	-17.73/-17.2	-12.83/-9.52	-6.78/-6.54	-9.52/-11.44	-8.15/-7.48	-9.44/-10.92	-13.59/-13.79	-14.32/-14.82	-18.4/-18.74	-16.8/-18.1	-18.36/-17.87	-18.14/-16.48	-19.3/-18.46	-18.36/-14.02	-13.47/-17.77	-8.28/-5.24	-8.75/-9.76	-5.9/-7.36	-9.44/-11.78	-11.97/-13.56	-18.64/-18	-15.67/-16.49
Θ(165°)	-18.55/-18.19	-17.61/-18.97	-17.84/-17.77	-13.72/-11.63	-11.07/-12.42	-15.98/-14.59	-10.32/-9.03	-9.12/-7.03	-10.14/-13.43	-16.12/-17.15	-17.95/-18.76	-18.38/-18.92	-18.47/-17.51	-18.34/-19.09	-17.27/-15.33	-15.37/-14.01	-11.2/-9.49	-9.4/-9.94	-9.69/-8.35	-7.61/-8.13	-8.68/-11.28	-16.58/-18.88	-18.12/-19.07	-19.05/-18.68
Θ(172.5°)	-19.09/-18.1	-17.95/-18.75	-19.13/-18.8	-18.75/-18.33	-17.55/-18.35	-15.53/-11.39	-10.09/-10.22	-11.3/-13.95	-17.89/-17.41	-19/-18.91	-18.07/-18.33	-18.25/-17.88	-18.99/-18.14	-18.08/-18.05	-15.08/-14.29	-13.14/-12.52	-12.88/-14.4	-16.83/-16.07	-14.83/-13.4	-13.14/-13.08	-12.94/-14.36	-14.5/-13.64	-13.48/-14.25	-14.34/-17.85
Θ(180°)	-17.85/-18.24	-18.97/-17.65	-18.39/-18.47	-16.19/-15.31	-14.01/-13.81	-14.09/-16.27	-17.79/-18.72	-17.92/-18.61	-16.78/-16.43	-17.32/-18.52	-17.25/-17.83	-18.28/-18.03	-18.79/-18.4	-18.77/-17.58	-18.34/-17.9	-18.72/-17.55	-18.51/-17.17	-17.13/-16.4	-16.11/-15.87	-16.4/-15.77	-14.55/-14.76	-14.81/-14.46	-15.37/-15.02	-15.6/-17.21
Freq(Hz)	6.995GPol.	ThetaAnt. 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°)	0.43/0.37	-0.47/-1.78	-2.09/-2.92	-4.5/-6.94	-9.18/-13.05	-10.18/-7.12	-4.64/-3.32	-2.24/-1.15	-0.06/-0.82	1.22/1.34	0.16/0.56	0.65/0.51	-0.11/-1.09	-0.11/-1.09	-0.35/-2.55	-5.35/-2.55	-11.37/-18.26	-19.09/-13.22	-8.89/-6.5	-4.67/-3.17	-1.74/-1.19	-0.39/0.22	0.59/0.66	0.38/0.81
Θ(7.5°)	1.98/1.86	1.24/0.01	-0.65/-1.32	-2.94/-4.37	-6.05/-8.6	-12.28/-14.34	-14.38/-11.12	-8.95/-7.59	-6.15/-5.05	-4.18/-3.32	-2.66/-2.33	-2.15/-2.44	-2.74/-2.8	-3.15/-4.32	-5.47/-6.05	-6.96/-8.41	-10.7/-12.52	-11.63/-9	-6.76/-4.92	-3.41/-1.78	-0.74/0.06	0.97/1.56	1.81/93	2.01/0.05
Θ(15°)	3.56/3.04	2.55/2.04	0.98/0.24	-0.02/-0.84	-2.13/-3.36	-4.04/-5	-6.41/-7.93	-9.01/-8.74	-8.38/-8.41	-8.05/-7.96	-7.95/-7.53	-6.55/-6.3	-7.23/-8.12	-11.71/-11.07	-10.27/-11.34	-11.44/-10.37	-9.23/-8.39	-7.26/-5.38	-4.08/-3.36	-2.66/-1.81	-0.81/0.23	1.89/0.02	3.67/0.03	4.17/4.14
Θ(22.5°)	2.47/2.05	1.46/0.96	0.86/0.81	0.64/0.35	-0.32/-0.94	-0.95/-1.24	-2.2/-3.87	-7.13/-10.73	-13.26/-15.14	-17.28/-16.59	-13.21/-11.32	-9.78/-7.78	-8.48/-12.54	-14.09/-11.8	-10.89/-9.39	-7.73/-6.09	-4.21/-2.83	-2.22/-2.04	-1.99/-2.03	-1.95/-1.04	0.331/5.8	2.98/3.52	3.78/4.04	3.56/2.98
Θ(30°)	3.77/3.77	3.77/3.22	2.98/2.9	2.84/2.59	2.221/6.2	1.431/31	0.87/0.75	-3.25/-5.11	-5.59/-7.76	-14.04/-9.34	-7.38/-7.77	-8.57/-8.61	-6.27/-10.27	-18.25/-18.46	-13.29/-12.15	-13.34/-10.45	-7.11/-5.15	-4.64/-3.67	-1.69/-1.42	-2.91/-3	-0.90/81	2.69/3.59	3.91/4.42	4.32/4.1
Θ(37.5°)	0.63/-0.05	0.51/-93	2.92/2.5	2.042/31	2.492/0.99	1.91/1.71	1.04/0.15	-2.3/-2.44	-1.45/-3.31	-6.91/-8.48	-4.16/-6.83	-9.16/-5.96	-5.88/-7.65	-11.32/-18.69	-16.91/-12.77	-17.1/-12.54	-6.15/-2.49	-1.48/-2.16	-0.91/0.09	-1.63/-1.32	-0.86/-1.15	0.151/33	2.28/2.59	1.63/1.69
Θ(45°)	-0.34/-0.21	1.01/1.98	2.65/2.75	1.78/1.25	1.60/69	0.731/66	0.7/0.67	-2/-2.36	-1.27/-3.42	-8.66/-9.33	-6.46/-9.22	-5.54/-4.37	-3.76/-1.95	-4.86/-11.33	-6.3/-3.02	-6.59/-12.8	-9.04/-0.92	0.90/03	-0.43/-0.73	-1.04/-1	-1.65/-4.44	-1.25/-0.28	0.33/1.27	1.32/0.88
Θ(52.5°)	-1.61/0.2	0.87/0.12	-0.72/-0.35	-0.36/-1.62	0.0/37	0.211/49	0.64/-0.19	-0.33/-1.23	-0.96/-3.33	-1.03/-3.7	-3.58/-2.75	-1.34/-0.96	-2.53/-3.64	-6.63/-3.59	-2/-2.47	-5.51/-0.35	-0.19/0.02	0.8/-0.89	-0					

Total Gain Data

Freq(Hz)	A45GPol.	TotalAnt.	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-
Gain	0(0°)7(4.5°)	15(15°)22(2.5°)	30(30°)37(3.5°)	45(45°)52(2.5°)	60(60°)67(6.5°)	75(75°)82(2.5°)	90(90°)97(9.5°)	105(105°)112(2.5°)	120(120°)127(2.5°)	135(135°)142(2.5°)	150(150°)157(5°)	165(165°)172(2.5°)	180(180°)187(5°)	195(195°)192(2.5°)	210(210°)217(5°)	225(225°)232(2.5°)	240(240°)247(5°)	255(255°)262(2.5°)	270(270°)277(5°)	285(285°)292(2.5°)	300(300°)307(3°)	315(315°)322(2.5°)	330(330°)337(3°)	345(345°)352(2.5°)		
0(0°)	4.87/-4.76	-3.96/-3.70	-3.63/-3.77	-3.91/-4.06	-4.21/-4.31	-4.62/-5.11	-5.17/-4.84	-4.64/-4.71	-5.31/-6.04	-6.40/-6.14	-5.59/-5.52	-5.83/-6.42	-6.48/-6.18	-5.63/-5.14	-4.82/-4.66	-4.51/-4.32	-4.05/-3.79	-3.62/-3.62	-3.80/-4.02	-4.12/-4.24	-4.39/-4.67	-4.86/-4.89	-4.61/-4.55	-4.69/-4.68		
0(7.5°)	8.02/-7.25	-6.48/-5.91	-5.54/-5.19	-4.81/-4.40	-4.06/-3.78	-3.69/-3.55	-3.23/-2.84	-2.49/-2.31	-2.36/-2.48	-2.56/-2.42	-2.07/-1.88	-1.98/-2.25	-2.52/-2.54	-2.42/-2.29	-2.29/-2.32	-2.49/-2.79	-3.14/-3.42	-3.69/-4.16	-5.03/-6.28	-7.29/-7.98	-8.36/-8.85	-9.60/-10.40	-10.25/-9.95	-9.57/-8.81		
0(15°)	9.44/-7.85	-6.62/-5.85	-5.22/-4.53	-3.89/-3.16	-2.74/-2.53	-2.46/-2.37	-2.19/-1.97	-1.71/-1.43	-1.15/-0.90	-0.65/-0.38	-0.09/-0.10	0.030/-0.7	0.03/-0.01	-0.04/-0.16	-0.27/-0.39	-0.67/-1.20	-2.00/-2.86	-3.64/-4.59	-5.79/-7.38	-9.60/-12.10	-14.07/-14.01	-15.11/-15.44	-15.32/-15.04	-14.85/-11.81		
0(22.5°)	6.85/-5.17	-4.00/-3.36	-3.00/-2.52	-1.89/-1.39	-1.21/-1.32	-1.59/-1.79	-1.89/-1.89	-1.73/-1.46	-1.10/-0.69	-0.16/-0.48	0.97/-1.19	1.26/-1.28	1.37/-1.42	1.36/-1.23	1.14/-1.08	0.77/-1.08	-1.04/-2.34	-3.65/-4.82	-5.88/-7.06	-8.39/-9.88	-11.31/-12.42	-11.55/-11.38	-10.60/-10.22	-10.12/-9.82		
0(30°)	4.29/-2.58	-1.37/-0.84	-0.76/-0.70	-0.38/-0.08	-0.17/-0.73	-1.46/-2.06	-2.28/-2.26	-2.09/-1.99	-1.91/-1.75	-1.21/-0.30	0.62/-1.26	1.60/-1.79	1.95/-2.08	2.12/-2.07	2.08/-2.07	1.81/-1.05	-0.30/-1.88	-3.11/-3.91	-4.54/-4.97	-5.12/-5.13	-5.36/-5.92	-6.60/-7.04	-7.47/-7.99	-7.83/-6.25		
0(37.5°)	-2.01/-0.45	0.56/-0.92	0.72/-0.50	0.56/-0.57	0.10/-0.86	-1.81/-2.19	-2.06/-1.81	-1.68/-1.80	-2.22/-2.71	-2.59/-1.76	-0.48/-0.67	1.52/-1.10	2.52/-2.80	2.85/-2.73	2.70/-2.75	2.50/-1.65	0.10/-1.57	-2.55/-2.72	-2.84/-2.58	-2.61/-2.80	-3.11/-3.55	-4.23/-4.95	-5.77/-6.39	-5.82/-3.94		
0(45°)	-0.20/-1.16	2.01/-2.19	1.80/-1.39	1.30/-0.97	0.07/-1.05	-1.64/-1.52	-1.17/-0.89	-0.89/-1.12	-1.75/-2.72	-3.63/-3.81	-2.78/-1.11	0.54/-1.76	2.57/-2.97	2.99/-2.73	2.60/-2.73	2.60/-1.79	0.18/-1.54	-1.96/-1.37	-0.88/-0.77	-0.94/-1.29	-1.62/-1.82	-2.05/-2.56	-3.13/-3.62	-3.42/-1.98		
0(52.5°)	0.86/-1.99	2.66/-2.64	2.29/-2.12	2.19/-1.77	0.62/-0.78	-1.43/-1.21	-0.74/-0.39	-0.27/-0.51	-1.11/-2.25	-3.71/-4.78	-4.43/-2.30	0.08/-1.85	2.80/-3.10	2.87/-2.43	2.27/-2.43	2.41/-1.66	0.07/-1.04	-0.48/-0.39	0.71/-0.53	0.09/-0.33	-0.59/-0.55	-0.29/-0.11	-0.12/-0.25	-0.40/-0.23		
0(60°)	1.72/-2.45	2.82/-2.49	1.97/-2.10	2.60/-2.62	1.91/-0.69	-0.24/-0.41	0.03/-0.42	0.42/-0.06	-0.79/-2.06	-3.57/-4.76	-4.82/-2.83	-0.34/-1.48	2.42/-2.72	2.84/-2.15	1.72/-1.80	2.00/-1.48	0.10/-0.60	0.16/-0.98	1.13/-0.69	-0.13/-0.98	-1.40/-1.23	-0.59/-0.19	0.79/-1.28	1.43/-1.37		
0(67.5°)	1.77/-2.24	2.63/-2.37	1.73/-1.81	2.21/-2.12	2.01/-2.10	0.49/-0.61	0.84/-0.09	-1.51/-3.04	-2.58/-2.47	-4.64/-1.60	-0.21/-1.49	2.17/-2.65	2.59/-2.70	2.99/-2.73	2.60/-2.73	2.60/-1.79	0.18/-1.54	-1.96/-1.37	-0.88/-0.77	-0.94/-1.29	-1.62/-1.82	-2.05/-2.56	-3.13/-3.62	-3.42/-1.98		
0(75°)	1.46/-1.07	1.20/-1.43	1.42/-1.98	2.36/-2.03	1.71/-0.90	0.10/-0.47	1.40/-1.73	1.18/-0.16	-1.25/-2.47	-3.28/-3.26	-2.71/-1.52	0.03/-1.40	2.20/-2.52	1.95/-0.45	-0.16/-0.57	0.95/-0.21	-1.34/-2.07	-1.25/-0.21	0.37/-0.40	-0.32/-1.61	-3.02/-0.66	-6.56/-4.57	-1.81/-0.05	1.04/-1.46		
0(82.5°)	1.37/-0.74	0.01/-0.14	-0.24/-0.64	1.68/-1.71	1.67/-1.14	0.34/-0.59	1.31/-1.58	1.12/-0.21	-0.99/-1.95	-2.70/-3.21	-3.15/-1.41	0.75/-1.81	2.13/-1.93	1.19/-0.35	0.25/-0.02	-0.60/-1.68	-2.41/-1.98	-1.32/-0.78	0.06/-0.4	-1.81/-1.57	-6.44/-9.39	-10.82/-6.26	-2.41/-0.48	0.47/-1.05		
0(90°)	-0.12/-0.19	-0.82/-0.46	-0.24/-0.34	0.33/-0.48	0.34/-0.18	-0.11/-0.76	1.78/-2.08	1.40/-0.06	-1.60/-2.93	-3.61/-3.47	-2.34/-0.51	0.65/-0.71	1.31/-1.75	1.37/-0.33	-0.51/-1.52	-1.77/-2.05	-2.02/-1.93	-2.39/-1.72	-0.13/-0.17	-2.00/-3.68	-4.74/-8.60	-14.23/-6.26	-2.36/-0.78	-0.45/-0.48		
0(97.5°)	-0.93/-1.23	-2.42/-2.51	-0.99/-0.76	-0.39/-0.13	-0.36/-1.25	-2.33/-1.53	0.09/-0.76	0.25/-1.00	-2.53/-3.20	-2.76/-1.96	-1.69/-1.64	-1.50/-0.08	1.64/-1.77	0.38/-0.76	-1.94/-2.13	-1.92/-2.25	-2.50/-3.29	-3.34/-1.13	0.40/-0.02	-1.38/-1.89	-2.46/-5.01	-7.87/-4.64	-1.65/-0.17	0.21/-0.21		
0(105°)	-1.10/-1.96	-2.60/-3.70	-1.85/-1.00	-1.38/-0.65	-0.57/-1.61	-2.98/-3.05	-1.25/-0.17	0.60/-0.27	-0.61/-1.37	-1.69/-1.94	-2.90/-2.98	-1.21/-0.98	1.06/-1.02	0.14/-1.40	-2.69/-1.89	-1.71/-2.08	-2.56/-1.47	-4.48/-1.95	-0.55/-0.98	-1.95/-2.06	-2.30/-3.80	-4.63/-3.11	-1.48/-0.45	0.20/-0.01		
0(112.5°)	-0.65/-2.01	-3.04/-4.82	-3.35/-1.25	-1.29/-0.60	-0.05/-1.18	-3.43/-4.26	-2.28/-0.34	0.59/-0.67	-0.02/-0.98	-1.76/-2.73	-3.97/-2.52	-0.32/-0.85	1.93/-0.54	-2.40/-3.90	-2.04/-0.56	-1.23/-2.30	-3.63/-5.55	-5.62/-3.76	-2.90/-3.13	-1.99/-1.90	-1.64/-2.35	-2.34/-1.51	-1.04/-1.01	-0.52/-0.01		
0(120°)	-1.52/-1.46	-1.91/-3.65	-4.44/-2.78	-2.83/-2.70	-1.02/-0.71	-2.01/-4.39	-3.19/-1.71	-0.56/-0.25	-0.64/-1.47	-2.69/-3.46	-5.22/-3.03	-1.13/-0.74	-1.22/-1.35	-1.49/-0.79	0.19/-0.35	-2.82/-5.52	-7.98/-8.23	-5.16/-3.17	-2.85/-3.81	-4.85/-4.67	-4.87/-5.36	-4.07/-2.35	-1.54/-1.83	-2.43/-2.03		
0(127.5°)	-5.16/-3.63	-2.79/-3.39	-3.69/-2.55	-2.42/-3.68	-3.40/-2.28	-2.24/-2.90	-2.91/-1.90	-0.81/-0.50	-0.97/-2.22	-4.28/-6.68	-6.31/-3.75	-2.50/-1.92	-1.25/-1.09	-0.85/-1.01	-1.79/-3.88	-5.69/-5.36	-5.13/-5.00	-4.23/-3.62	-3.80/-5.21	-6.78/-8.00	-9.92/-11.00	-6.95/-4.69	-3.76/-3.95	-5.18/-5.93		
0(135°)	-4.47/-4.17	-4.21/-4.62	-4.17/-3.86	-3.31/-3.74	-4.15/-3.60	-2.86/-2.47	-2.21/-2.34	-2.13/-2.49	-3.94/-6.47	-9.65/-9.89	-6.17/-4.20	-2.75/-1.87	-1.51/-1.58	-1.84/-1.97	-2.38/-2.98	-3.35/-3.06	-3.25/-4.17	-5.25/-6.24	-7.39/-9.26	-10.09/-11.17	-12.38/-11.69	-9.66/-7.42	-6.50/-6.30	-6.07/-5.31		
0(142.5°)	-4.17/-3.54	-3.76/-4.09	-3.75/-3.43	-3.69/-4.55	-5.19/-4.99	-4.19/-3.23	-2.47/-1.27	-2.43/-3.19	-4.34/-6.41	-5.07/-3.50	-2.34/-1.82	-1.75/-1.91	-1.93/-1.66	-1.46/-1.65	-2.28/-3.08	-3.87/-3.47	-4.66/-5.21	-6.42/-8.37	-11.45/-13.68	-11.80/-8.85	-7.93/-8.16	-7.80/-7.42	-7.20/-7.79	-7.68/-5.89		
0(150°)	-5.53/-5.14	-4.98/-4.64	-3.83/-3.47	-3.28/-4.27	-5.75/-6.88	-6.99/-6.19	-5.04/-4.22	-3.96/-4.26	-4.01/-3.31	-3.15/-3.56	-4.12/-4.07	-3.38/-2.70	-2.51/-2.95	-3.65/-3.46	-4.84/-4.88	-6.67/-4.84	-5.76/-7.00	-9.86/-9.42	-6.90/-4.54	-3.12/-2.45	-2.33/-2.58	-3.14/-2.26	-5.30/-5.83			
0(157.5°)	-5.19/-5.67	-5.98/-5.86	-5.24/-4.63	-4.46/-4.82	-5.68/-6.85	-8.11/-8.87	-8.74/-8.16	-7.36/-6.54	-5.69/-5.10	-4.58/-4.62	-5.21/-5.22	-4.55/-3.61	-3.10/-3.03	-3.32/-3.76	-4.11/-4.22	-4.09/-4.46	-5.38/-6.95	-8.60/-8.17	-6.53/-4.32	-2.61/-1.50	-1.13/-1.34	-2.00/-2.93	-3.89/-4.59			
0(165°)	-6.95/-6.84	-6.75/-6.68	-6.45/-6.09	-5.80/-5.55	-5.51/-5.68	-6.00/-6.26	-6.27/-5.88	-5.19/-4.40	-3.72/-3.29	-3.16/-3.24	-3.08/-2.78	-2.57/-2.70	-3.25/-4.04	-4.66/-4.87	-4.72/-4.38	-4.13/-4.12	-4.39/-4.94	-5.93/-7.58	-9.61/-10.96	-10.18/-18.13	-6.33/-5.18	-4.76/-4.92	-5.49/-6.38	-6.88/-7.05		
0(172.5°)	-9.80/-8.74	-8.21/-7.77	-7.48/-7.12	-6.39/-6.33	-6.20/-5.98	-6.50/-5.08	-4.58/-4.20	-4.00/-3.93	-3.67/-3.63	-3.36/-3.12	-3.06/-3.20	-3.58/-4.35	-5.31/-6.08	-6.40/-6.25	-5.91/-5.63	-6.39/-7.19	-8.04/-9.34	-11.01/-13.32	-14.24/-14.07	-13.93/-14.80	-15.34/-15.92	-15.89/-15.08	-17.51/-10.68	-13.07/-11.31		
0(180°)	-6.00/-6.76	-5.94/-6.24	-6.04/-6.32	-6.84/-6.19	-6.12/-6.09	-6.25/-6.00	-5.76/-5.73	-5.96/-6.33	-6.59/-6.81	-6.92/-7.00	-7.24/-7.27	-8.44/-9.98	-10.49/-10.14	-9.42/-9.83	-8.78/-8.56	-8.71/-9.16	-9.50/-9.89	-10.65/-11.38	-11.73/-11.44	-10.73/-9.40	-8.46/-7.82	-7.89/-7.69	-7.30/-6.61			
Freq(Hz)	5.2GPol.	TotalAnt.	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-
Gain	0(0°)7(4.5°)	15(15°)22(2.5°)	30(30°)37(3.5°)	45(45°)52(2.5°)	60(60°)67(6.5°)	75(75°)82(2.5°)	90(90°)97(9.5°)	105(105°)112(2.5°)	120(120°)127(2.5°)	135(135°)142(2.5°)	150(150°)157(5°)	165(165°)172(2.5°)	180(180°)187(5°)	195(195°)192(2.5°)	210(210°)217(5°)	225(225°)232(2.5°)	240(240°)247(5°)	255(255°)262(2.5°)	270(270°)277(5°)	285(285°)292(2.5°)	300(300°)307(3°)	315(315°)322(2.5°)	330(330°)337(3°)	345(345°)352(2.5°)		
0(0°)	8.04/-7.64	-7.26/-7.12	-6.68/-6.21	-6.07/-6.50	-7.16/-7.49	-7.78/-8.08	-8.22/-8.06	-7.27/-7.46	-7.76/-7.24	-7.45/-8.49	-7.43/-6.86	-7.30/-7.22	-7.05/-7.18	-7.00/-7.12	-7.02/-6.52	-6.64/-7.18	-7.37/-7.37	-7.83/-8.19	-7.73/-6.37	-6.75/-7.14	-7.91/-8.14	-7.20/-7.69	-9.23/-7.30	-7.04/-8.78		
0(7.5°)	-7.17/-6.98	-6.07/-6.66	-7.32/-6.76	-6.87/-8.86	-6.61/-6.17	-6.81/-8.74	-8.78/-10.72	-10.51/-8.80	-8.63/-9.69	-9.91/-10.24	-10.36/-8.68	-8.69/-9.57	-9.41/-8.85	-8.28/-8.14	-8.21/-8.11	-8.51/-9.05	-8.36/-7.51	-7.38/-7.54	-7.43/-7.08	-7.28/-6.60	-7.26/-7.77	-10.07/-6.11	-6.49/-6.81	-5.41/-6.00		
0(15°)	-3.53/-4.04	-3.50/-4.18	-5.61/-6.35	-6.51/-6.81	-8.16/-8.03	-8.14/-8.27	-7.77/-7.86	-9.24/-9.00	-7.97/-8.65	-9.51/-8.26	-8.29/-8.68	-6.99/-8.20	-8.19/-7.31	-7.32/-7.52	-8.34/-8.81	-7.94/-6.83	-6.19/-5.56	-6.17/-6.00	-6.21/-6.05	-6.50/-5.35	-6.03/-6.41	-4.65/-5.01	-4.21/-3.12			
0(22.5°)	-2.02/-2.32	-2.50/-2.80	-3.73/-3.99	-3.78/-4.32	-5.26/-5.62	-5.72/-5.43	-4.95/-5.86	-7.70/-8.72	-7.45/-6.55	-7.12/-7.70	-7.28/-7.74	-7.96/-6.59	-5.95/-6.61	-6.96/-5.86	-5.40/-5.64	-6.65/-8.33	-8.55/-7.81	-7.13/-6.76	-5.56/-5.62	-4.47/-4.45	-4.68/-3.31	-2.74/-3.41	-2.87/-3.07	-3.68/-2.48		
0(30°)	-1.50/-0.77	-1.61/-2.59	-3.61/-3.27	-2.20/-2.67	-3.16/-3.24	-3.80/-3.73	-3.95/-4.09	-3.66/-3.38	-3.17/-3.40	-3.56/-3.55	-3.46/-3.48	-3.68/-3.72	-3.40/-4.06	-5.11/-4.79	-4.43/-4.27	-4.95/-6.64	-6.41/-5.41	-3.82/-3.53	-4.77/-4.55	-3.16/-2.36	-2.53/-3.44	-3.00/-2.71	-2.56/-1.19	-1.98/-3.23		
0(37.5°)	-0.79/-0.52	-0.74/-1.29	-1.70/-1.50	-1.23/-1.94	-0.75/-0.66	-2.01/-3.48	-2.72/-1.19	-1.11/-1.46	-2.66/-3.22	-4.09/-3.80	-3.28/-2.90	-2.08/-2.49	-1.68/-2.59	-3.02/-2.07	-2.41/-2.97	-3.32/-3.09	-3.00/-2.61	-1.81/-2.94	-4.58/-4.30	-1.55/-0.28	0.210/-31	0.460/-38	0.570/-59	0.400/-91		
0(45°)	-0.23/-0.09	-0.99/-1.30	-0.23/-0.83	-0.37/-0.89	0.50/-0.16	-1.94/-2.65	-0.96/-0.22	-0.69/-1.06	-1.22/-0.91	-0.53/-0.58	-0.99/-1.45	-0.82/-0.99	-1.64/-1.12	-1.49/-2.0												



Antenna Pattern of 2.4GHz/5GHz

Appendix B.1

Θ(30°)	-1.39/-1.85	-3.09/-4.84	-4.04/-3.08	-2.17/-1.87	-1.51/-2.61	-4.57/-3.72	-2.95/-3.25	-3.82/-3.47	-3.78/-5.88	-7.95/-6.73	-4.84/-5.51	-4.62/-3.52	-5.27/-5.18	-3.56/-4.42	-4.57/-4.46	-5.73/-4.50	-3.60/-3.43	-5.36/-5.44	-4.46/-5.21	-5.82/-5.36	-5.05/-4.43	-2.48/-0.97	-0.70/-1.44	-2.47/-2.05	
Θ(37.5°)	-1.02/-2.27	-1.62/-1.53	-1.97/-3.57	-1.39/-0.11	-0.82/-3.52	-3.54/-2.35	-2.18/-2.20	-1.85/-1.57	-1.92/-1.76	-2.00/-3.20	-3.82/-3.80	-2.27/-1.39	-2.09/-1.71	-1.43/-2.42	-1.30/-0.98	-4.14/-3.04	-2.39/-2.24	-2.42/-1.58	-1.10/-2.24	-3.87/-3.23	-1.63/-0.73	-1.09/-1.32	-0.07/-0.83	-1.31/-1.52	
Θ(45°)	-0.65/-0.97	-1.87/-1.67	-0.23/-0.81	-1.70/-0.56	-0.21/-0.47	-7.31/-1.24	-0.81/-0.19	-0.72/-0.09	-1.56/-1.38	-0.33/-0.54	-2.49/-2.79	-3.23/-2.04	1.01/-0.59	-1.49/-0.96	-0.41/-1.82	-1.42/-0.04	0.36/-0.76	-0.17/-0.72	0.82/-0.08	0.06/-0.81	0.83/-0.12	0.06/-0.29	-0.66/-0.13	1.18/-0.87	
Θ(52.5°)	1.290/27	-2.95/-1.70	1.43/-1.57	2.03/-0.17	-0.43/-1.40	0.24/-2.11	0.04/-0.43	-0.12/-0.03	0.13/-0.25	-0.58/-1.00	1.97/-0.49	-0.95/-0.93	1.41/-1.40	-1.39/-1.49	2.38/-0.19	1.14/-1.40	1.29/-1.08	0.56/-1.39	2.21/-1.90	1.54/-2.72	2.12/-0.07	-0.90/-0.38	0.81/-2.44	2.94/-2.16	
Θ(60°)	1.16/-0.38	-0.60/-2.07	0.50/-2.47	2.73/-1.69	0.41/-2.41	-0.72/-2.69	0.97/-0.59	0.36/-1.59	1.60/-0.73	0.52/-1.94	2.89/-2.55	1.28/-0.68	0.95/-1.67	-0.48/-1.37	2.56/-1.49	2.70/-2.73	1.53/-1.50	0.64/-1.33	1.98/-0.45	0.10/-1.99	0.98/-1.12	1.87/-2.37	2.77/-4.47	4.92/-2.75	
Θ(67.5°)	0.46/-0.42	0.27/-0.73	0.73/-2.50	1.89/-2.02	1.59/-2.01	-1.87/-0.26	2.00/-1.22	1.50/-1.86	0.62/-0.59	1.95/-2.75	1.89/-1.52	1.75/-0.84	1.12/-0.59	-0.28/-1.59	3.39/-2.70	1.37/-2.07	0.89/-1.13	0.86/-1.60	-0.19/-1.58	1.42/-2.61	2.78/-0.88	4.37/-4.61	4.74/-2.32		
Θ(75°)	0.00/-0.81	0.79/-0.20	0.20/-1.90	1.43/-2.21	1.52/-0.87	-1.55/-0.57	2.38/-1.53	1.72/-0.95	-0.58/-1.05	2.68/-2.62	1.82/-0.00	-0.22/-1.08	0.05/-0.93	-1.17/-0.57	1.27/-0.90	2.53/-3.55	0.28/-1.12	-0.76/-1.25	0.96/-1.51	1.31/-2.17	2.90/-3.13	1.63/-3.49	4.28/-2.87	2.92/-0.45	
Θ(82.5°)	-1.20/-1.65	-0.30/-0.16	-0.27/-0.78	0.22/-2.06	1.15/-0.32	-0.86/-0.65	2.21/-2.27	1.15/-0.05	-1.63/-1.11	2.56/-2.43	1.21/-0.75	-0.52/-1.81	-0.18/-0.76	-1.69/-2.07	0.83/-0.03	1.08/-0.06	-1.43/-1.14	-2.49/-1.47	-0.44/-1.62	0.90/-0.98	3.63/-3.84	1.01/-2.29	3.02/-0.30	0.86/-1.16	
Θ(90°)	-1.79/-3.79	-1.35/-1.62	-0.59/-0.16	-1.19/-0.98	-0.71/-1.24	-0.62/-0.37	1.77/-1.17	0.84/-0.83	-2.31/-0.57	2.28/-2.11	0.39/-0.06	-0.66/-1.68	-1.07/-2.26	-2.07/-1.72	-0.92/-0.00	-1.28/-1.87	-3.59/-0.68	-3.04/-1.37	-0.63/-2.54	-1.58/-1.00	2.93/-2.27	1.37/-0.99	1.52/-2.27	-1.61/-1.81	
Θ(97.5°)	-2.05/-5.15	-2.87/-2.78	-1.74/-2.04	-3.02/-0.62	-2.66/-2.69	-1.66/-0.93	0.76/-0.35	-0.08/-1.99	-2.79/-0.10	1.30/-0.84	-0.42/-1.32	-1.01/-1.47	-2.78/-3.19	-2.95/-3.14	-1.69/-2.54	-2.11/-0.16	-5.34/-1.86	-4.85/-0.36	-1.96/-1.77	-3.62/-1.23	1.86/-1.40	-1.44/-1.28	-0.51/-6.16	-4.19/-2.68	
Θ(105°)	-1.67/-1.63	-4.41/-5.70	-3.08/-2.59	-5.78/-3.28	-4.76/-2.52	-1.65/-2.81	-1.54/-1.03	-0.10/-1.44	-3.61/-1.60	0.58/-0.55	-2.43/-2.10	-0.97/-3.04	-3.74/-4.83	-2.66/-3.24	-3.75/-1.63	-4.27/-3.27	-6.10/-1.66	-1.04/-12.78	-3.22/-1.39	-4.24/-0.95	-1.25/-2.00	-8.11/-4.12	-2.35/-8.77	-4.53/-3.51	
Θ(112.5°)	-4.30/-9.80	-6.74/-6.83	-6.19/-6.12	-5.11/-4.76	-9.69/-3.48	-2.87/-3.22	-1.40/-1.68	-1.41/-3.22	-4.98/-1.43	-0.41/-1.59	-3.13/-4.12	-2.66/-2.88	-5.78/-2.90	-5.25/-6.95	-2.92/-5.05	-6.54/-3.04	-2.43/-4.81	-10.10/-4.43	-10.42/-14.58	-13.41/-8.92	-11.82/-15.17	-8.10/-8.33	-14.05/-14.84	-14.67/-11.72	-10.88/-8.59
Θ(120°)	-8.28/-8.82	-7.16/-7.91	-8.58/-9.24	-7.63/-6.13	-10.44/-7.40	-3.90/-2.71	-0.74/-1.60	-2.22/-2.83	-3.95/-3.04	-1.74/-1.96	-2.13/-3.79	-5.11/-5.66	-7.68/-4.94	-6.99/-10.30	-7.40/-4.97	-7.39/-4.77	-4.67/-7.42	-9.24/-10.36	-7.07/-6.54	-8.72/-15.19	-5.86/-4.40	-3.55/-7.19	-8.64/-15.26	-10.34/-10.53	
Θ(127.5°)	-9.77/-9.60	-6.39/-9.98	-7.30/-12.61	-10.76/-8.34	-7.72/-6.22	-7.56/-4.86	-3.59/-2.98	-3.13/-3.49	-4.74/-5.47	-3.35/-1.69	-3.06/-4.07	-8.89/-10.39	-6.99/-11.15	-8.47/-9.32	-12.67/-8.79	-7.98/-3.63	-9.67/-12.30	-8.60/-6.77	-9.84/-4.62	-11.04/-12.78	-6.24/-4.52	-5.55/-7.45	-8.40/-11.36	-7.88/-6.25	
Θ(135°)	-14.84/-11.06	-8.63/-15.05	-6.96/-8.00	-8.68/-11.03	-10.93/-6.01	-7.27/-6.06	-4.97/-5.16	-4.76/-4.69	-5.14/-4.52	-4.44/-5.19	-4.98/-5.47	-4.43/-5.80	-8.16/-13.08	-6.79/-7.17	-8.94/-7.16	-10.77/-8.99	-10.82/-14.58	-13.41/-8.92	-11.82/-15.17	-8.10/-8.33	-14.05/-14.84	-14.67/-11.72	-10.88/-8.59		
Θ(142.5°)	-13.90/-11.74	-11.46/-8.57	-8.98/-8.87	-7.11/-7.86	-11.29/-7.45	-6.23/-5.91	-4.74/-4.63	-4.47/-4.74	-5.32/-4.74	-4.19/-5.12	-6.09/-7.92	-7.99/-7.08	-7.07/-7.19	-7.56/-10.66	-11.54/-11.34	-8.66/-10.47	-12.02/-9.79	-8.32/-9.32	-8.60/-9.68	-8.50/-9.97	-14.52/-9.96	-12.86/-11.17	-14.28/-13.18	-11.20/-9.27	
Θ(150°)	-8.51/-7.09	-11.35/-10.77	-9.11/-10.58	-10.54/-5.84	-5.46/-7.48	-7.57/-5.57	-5.14/-5.78	-5.73/-5.00	-5.02/-6.05	-6.49/-6.04	-6.55/-7.43	-8.93/-8.32	-8.05/-7.37	-6.34/-9.22	-11.39/-12.25	-10.59/-12.68	-9.90/-10.64	-14.02/-10.84	-10.37/-9.91	-11.04/-13.36	-14.26/-15.63	-14.82/-17.10	-11.82/-12.54	-10.95/-10.99	
Θ(157.5°)	-7.36/-8.92	-11.97/-7.57	-7.70/-7.51	-9.73/-7.93	-6.17/-6.16	-6.06/-5.96	-5.54/-4.98	-4.92/-4.96	-4.77/-6.53	-6.29/-6.26	-6.55/-6.74	-6.45/-6.54	-7.67/-8.01	-8.14/-8.91	-11.25/-12.85	-11.67/-13.30	-12.02/-13.18	-15.09/-10.15	-12.02/-10.22	-14.56/-10.43	-12.30/-10.22	-12.28/-15.59	-14.72/-9.53		
Θ(165°)	-11.31/-11.49	-9.89/-7.55	-6.48/-8.03	-10.78/-10.04	-7.68/-6.67	-6.63/-6.83	-6.96/-6.34	-5.97/-6.54	-6.22/-5.13	-6.27/-8.40	-8.79/-8.56	-8.61/-8.58	-8.65/-7.89	-6.77/-7.05	-8.26/-10.33	-12.61/-13.53	-11.55/-12.24	-14.94/-15.47	-15.76/-12.93	-11.28/-10.91	-11.14/-11.82	-14.61/-14.59	-12.40/-11.32	-10.26/-9.74	
Θ(172.5°)	-10.54/-10.99	-10.99/-10.07	-9.48/-9.62	-9.48/-7.68	-6.58/-6.21	-5.81/-5.56	-5.24/-4.52	-5.98/-5.69	-6.96/-7.14	-7.18/-7.08	-7.90/-8.75	-9.34/-9.43	-8.02/-7.10	-7.55/-9.70	-12.47/-14.14	-15.12/-14.81	-14.97/-15.32	-15.15/-13.55	-13.09/-13.15	-11.22/-9.51	-9.55/-8.52	-7.80/-8.47	-9.64/-9.75	-9.21/-9.57	
Θ(180°)	-9.76/-10.10	-10.26/-9.88	-9.61/-10.31	-10.02/-9.95	-10.21/-9.78	-9.01/-8.68	-7.55/-7.17	-6.88/-6.57	-7.33/-7.14	-7.12/-7.66	-7.11/-6.26	-6.64/-7.18	-7.92/-10.06	-13.55/-15.01	-16.28/-15.17	-15.32/-14.70	-15.54/-15.14	-12.85/-11.40	-9.94/-8.74	-8.72/-8.74	-8.55/-9.25	-9.31/-9.25	-9.08/-9.31	-11.07/-10.78	
Freq(Hz)	2.45GPol	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°)	-13.69/-13.83	-13.53/-13.75	-13.63/-13.43	-13.48/-13.83	-14.59/-14.54	-15.92/-15.06	-14.51/-13.78	-13.42/-13.29	-13.23/-13.26	-13.23/-13.39	-13.37/-13.39	-13.42/-13.10	-12.70/-13.02	-12.83/-13.33	-14.15/-14.46	-14.43/-14.11	-14.18/-14.11	-13.82/-14.11	-14.32/-14.10	-13.63/-12.44	-12.18/-11.69	-11.46/-11.52	-11.77/-12.31	-12.73/-13.41	
Θ(7.5°)	-6.47/-6.71	-6.90/-7.07	-7.33/-7.59	-7.41/-8.00	-8.31/-8.57	-9.89/-9.35	-9.64/-9.45	-9.30/-9.39	-11.00/-10.90	-11.96/-12.16	-12.35/-11.65	-11.23/-11.10	-10.91/-10.85	-10.96/-10.81	-10.79/-10.63	-9.41/-9.07	-9.82/-8.11	-7.47/-6.83	-6.54/-5.99	-5.80/-5.74	-5.77/-5.91	-6.10/-6.30			
Θ(15°)	-1.35/-1.67	-2.04/-2.38	-2.71/-3.03	-3.25/-3.48	-3.80/-4.10	-4.36/-4.28	-4.15/-3.81	-3.51/-3.30	-3.34/-3.62	-4.01/-4.35	-4.59/-4.49	-4.28/-3.93	-3.67/-3.44	-3.15/-2.92	-2.84/-2.91	-3.10/-3.37	-3.76/-4.10	-4.20/-4.10	-3.82/-3.37	-2.77/-2.12	-1.56/-1.11	-0.79/-0.61	-0.56/-0.60	-0.76/-1.02	
Θ(22.5°)	1.390/98	0.590/28	0.03/-0.20	-0.46/-0.81	-1.26/-1.63	-1.95/-1.95	-1.73/-1.36	-0.86/-0.47	-0.31/-0.40	-0.59/-0.92	-1.13/-1.19	-1.01/-0.65	-1.07/-1.16	0.76/-1.15	1.38/-1.03	1.33/-1.03	0.56/-0.15	-0.09/-0.14	-0.03/-0.19	0.520/95	1.371/-77	2.072/25	2.312/24	2.031/72	
Θ(30°)	2.822/45	2.31/96	1.85/-1.74	1.57/-1.22	0.790/42	0.180/12	0.930/42	0.971/42	1.701/78	1.701/45	1.100/87	0.861/08	1.572/16	2.843/45	3.924/20	4.244/10	3.803/45	3.142/98	2.932/97	3.103/27	3.463/68	3.889/99	3.973/80	3.593/17	
Θ(37.5°)	3.453/16	2.942/90	2.922/95	2.842/54	2.141/75	1.411/24	1.321/64	2.112/60	2.953/13	3.072/78	2.291/92	1.812/01	2.503/21	3.963/65	4.234/59	4.724/69	4.514/28	4.053/86	3.713/57	3.543/53	3.673/80	3.925/93	3.803/57	4.163/79	
Θ(45°)	3.383/22	3.123/17	3.293/41	3.413/20	2.822/37	1.921/70	1.782/09	2.593/10	3.553/82	3.803/45	2.892/33	1.971/98	2.363/01	3.833/67	4.304/66	4.814/76	4.644/54	4.444/33	4.123/87	3.703/65	3.713/85	3.983/99	3.803/47	4.033/63	
Θ(52.5°)	2.892/87	2.892/97	3.093/26	3.343/22	2.932/56	2.292/24	2.412/70	3.043/40	3.774/04	4.003/61	2.882/29	1.821/67	1.922/46	3.274/15	4.114/10	4.124/12	4.124/07	4.104/07	4.104/34	4.214/10	4.094/23	4.434/49	4.273/87	3.393/05	
Θ(60°)	1.942/18	2.402/59	2.732/88	2.962/81	2.572/43	2.442/57	2.742/89	3.103/28	3.543/79	3.763/24	2.431/62	1.040/81	0.981/37	2.253/25	3.974/16	4.083/94	3.883/77	3.443/05	2.792/82	2.993/11	3.093/08	3.253/37	3.192/69	2.161/85	
Θ(67.5°)	-0.040/63	1.301/84	2.242/54	2.572/30	2.022/00	2.202/38	2.512/65	2.893/11	3.353/49	3.282/49	1.480/75	0.500/35	0.250/46	1.342/23	2.682/64	2.532/53	2.622/48	1.931/23	0.810/97	1.391/67	1.671/64	1.842/04	1.841/18	0.30/-0.24	
Θ(75°)	-2.05/-1.51	-0.69/-0.18	0.961/61	1.931/76	1.511/49	1.641/82	2.040/34	2.752/99	3.052/96	2.561/91	1.080/41	-0.01/-0.66	-1.42/-1.61	-0.90/-0.11	0.130/08	0.070/27	0.590/62	0.07/-0.78	-1.15/-0.76	0.010/31	-0.01/-0.43	-0.320/04	-0.00/-0.56	-1.38/-2.04	
Θ(82.5°)	-3.46/-2.68	-1.86/-0.94	-0.020/69	1.090/98	0.830/86	0.880/92	1.071/33	1.661/87	1.981/93	1.681/06	0.10/-0.94	-1.97/-3.15	-3.74/-3.08	-2.15/-1.68	-1.69/-1.91	-1.97/-1.53	-0.82/-0.74	-1.72/-3.18	-3.91/-3.22	-1.89/-1.11	-1.35/-2.20	-2.51/-2.22	-2.36/-3.09	-3.82/-3.94	
Θ(90°)																									



Antenna Pattern of 2.4GHz/5GHz

Appendix B.1

Θ (75°)	0.49/0.93	1.65/2.02	1.56/1.37	0.92/0.17	-0.59/-0.79	-0.39/0.11	0.72/1.40	1.81/1.60	0.82/0.86	0.55/-0.39	-0.36/-0.31	-0.17/0.12	1.45/2.28	2.82/1.97	1.24/0.62	-0.25/-1.83	-3.06/-1.24	-1.23/0.24	1.46/1.01	1.43/1.68	0.22/-1.29	-1.67/-1.56	-1.25/-0.16	-0.21/0.30
Θ (82.5°)	-1.48/-0.59	0.32/0.43	-0.23/-0.54	-1.17/-1.99	-2.82/-2.70	-2.80/-2.02	-0.78/0.15	0.46/-0.08	-0.80/-1.26	-1.34/-2.04	-1.96/-2.32	-2.14/-1.49	-0.61/0.27	1.19/0.13	-0.70/-1.04	-2.11/-0.56	-4.38/-1.73	-1.58/0.50	1.21/0.65	1.36/1.45	-0.79/-3.05	-3.75/-2.93	-3.47/-1.90	-2.28/-1.21
Θ (90°)	-3.58/-2.97	-1.80/-1.37	-2.08/-2.75	-3.07/-4.06	-5.26/-4.59	-5.96/-4.17	-2.20/-1.15	-0.90/-1.82	-2.92/-3.17	-3.74/-3.75	-3.74/-4.06	-4.15/-4.14	-2.84/-2.03	-1.35/-2.57	-1.39/-3.20	-4.82/-9.29	-6.86/-3.19	-2.68/-1.16	0.26/0.44	0.34/0.03	-2.20/-4.90	-7.16/-4.74	-5.60/-5.43	-4.60/-4.26
Θ (97.5°)	-5.59/-4.66	-3.85/-3.53	-4.30/-5.32	-6.01/-7.02	-7.69/-6.70	-8.71/-5.82	-3.47/-2.78	-3.14/-3.99	-3.22/-5.37	-6.41/-5.48	-6.01/-6.57	-5.91/-5.64	-5.38/-4.44	-4.53/-5.27	-5.52/-5.09	-7.02/-12.58	-9.90/-4.91	-3.87/-3.39	-2.72/-0.90	-1.55/-2.23	-5.25/-8.22	-9.76/-6.95	-8.63/-8.33	-6.93/-6.98
Θ (105°)	-7.90/-6.71	-5.42/-5.38	-6.02/-7.02	-8.01/-1.29	-10.62/-9.19	-10.22/-8.90	-5.73/-4.89	-5.60/-6.04	-5.17/-0.73	-7.46/-6.75	-8.39/-8.01	-7.69/-8.00	-7.66/-6.78	-7.31/-8.35	-7.39/-6.77	-8.38/-13.78	-13.69/-8.00	-5.58/-6.86	-8.37/-4.34	-4.75/-6.15	-9.06/-12.45	-12.68/-9.45	-11.79/-11.51	-8.94/-9.14
Θ (112.5°)	-10.76/-9.04	-7.13/-6.12	-7.50/-8.80	-10.34/-12.23	-12.94/-12.56	-11.00/-11.23	-8.15/-7.13	-7.38/-6.36	-6.96/-8.85	-9.52/-9.59	-10.37/-8.77	-7.22/-9.65	-8.00/-8.06	-10.14/-11.42	-12.48/-9.42	-13.29/-11.21	-12.32/-12.84	-13.05/-8.79	-10.40/-11.35	-12.11/-13.97	-14.89/-12.42	-14.52/-13.22	-10.60/-9.21	
Θ (120°)	-10.94/-10.38	-9.15/-8.20	-9.86/-10.65	-12.62/-12.83	-13.08/-13.57	-12.85/-12.28	-11.08/-9.62	-7.84/-7.21	-9.05/-11.45	-11.10/-10.89	-11.41/-9.81	-10.83/-10.30	-10.12/-10.07	-11.54/-14.24	-15.09/-11.91	-12.09/-13.77	-12.31/-11.53	-14.82/-15.42	-11.78/-10.00	-11.00/-11.11	-10.13/-13.89	-14.95/-16.03	-16.06/-14.16	-11.12/-10.14
Θ (127.5°)	-10.67/-11.80	-12.30/-11.94	-13.05/-13.35	-14.34/-14.29	-14.43/-15.05	-15.12/-13.93	-12.12/-10.69	-10.65/-10.97	-11.77/-12.19	-12.14/-12.85	-12.24/-11.64	-12.63/-11.58	-11.54/-11.53	-11.27/-14.18	-15.48/-15.71	-14.90/-14.85	-13.67/-10.90	-10.50/-12.78	-10.08/-6.76	-9.00/-11.04	-11.54/-14.40	-15.67/-12.31	-15.97/-12.88	-12.46/-10.36
Θ (135°)	-11.41/-12.79	-14.17/-16.12	-16.19/-15.11	-16.04/-15.54	-15.60/-14.92	-15.40/-15.36	-12.92/-11.44	-12.04/-11.26	-10.43/-12.71	-14.01/-14.69	-13.91/-13.47	-15.03/-14.76	-12.81/-13.49	-12.59/-12.64	-13.96/-14.95	-15.32/-14.29	-9.33/-12.93	-15.72/-11.80	-8.29/-13.71	-15.43/-15.00	-15.30/-12.77	-14.66/-13.06	-12.98/-11.61	
Θ (142.5°)	-13.25/-12.80	-14.39/-15.64	-15.45/-14.68	-15.78/-15.77	-15.41/-15.45	-15.65/-14.88	-13.71/-11.85	-11.68/-12.90	-12.77/-13.67	-14.48/-14.94	-14.57/-15.21	-15.11/-14.85	-14.69/-13.57	-14.03/-13.19	-12.50/-15.49	-13.54/-15.34	-15.38/-15.35	-13.99/-15.53	-15.53/-15.30	-12.27/-14.59	-15.63/-16.00	-15.67/-15.55	-15.26/-14.61	-14.31/-13.80
Θ (150°)	-16.25/-15.79	-15.46/-15.59	-15.43/-15.35	-15.79/-14.95	-15.90/-15.59	-15.48/-14.69	-15.27/-14.81	-15.11/-15.32	-15.55/-14.26	-13.33/-13.73	-15.33/-15.93	-16.01/-15.46	-15.98/-15.50	-13.72/-14.30	-14.36/-15.62	-15.76/-15.01	-16.00/-15.75	-11.55/-11.74	-13.56/-14.89	-14.25/-13.76	-15.30/-15.80	-15.41/-15.25	-15.59/-15.66	-15.83/-15.82
Θ (157.5°)	-14.96/-15.25	-15.96/-15.60	-16.07/-15.28	-15.90/-14.81	-15.39/-15.32	-15.01/-15.45	-15.33/-15.06	-14.86/-13.17	-14.18/-15.83	-13.97/-14.05	-15.58/-15.36	-15.58/-15.36	-14.54/-15.71	-16.28/-14.87	-14.85/-15.59	-15.68/-15.32	-15.71/-15.45	-14.70/-15.99	-15.34/-15.06	-15.44/-15.40	-15.32/-15.11	-15.56/-15.86		
Θ (165°)	-15.40/-15.44	-15.45/-14.82	-15.66/-15.78	-15.39/-15.46	-15.26/-15.04	-15.50/-15.63	-14.83/-15.64	-15.46/-16.14	-14.57/-15.41	-15.16/-14.94	-15.24/-15.74	-15.20/-15.27	-15.18/-15.42	-16.30/-15.72	-16.02/-15.68	-15.25/-15.13	-15.20/-16.01	-15.96/-15.46	-15.32/-15.46	-15.39/-15.28	-15.69/-15.22	-15.24/-14.61	-15.48/-14.85	-14.82/-15.01
Θ (172.5°)	-15.27/-14.91	-15.19/-15.57	-14.86/-14.73	-14.78/-15.33	-15.63/-15.05	-14.60/-15.14	-15.50/-15.20	-15.85/-16.02	-15.06/-15.80	-14.86/-15.59	-15.25/-15.50	-15.36/-15.33	-15.83/-15.61	-15.36/-15.74	-15.39/-15.14	-15.26/-15.05	-15.07/-14.96	-15.63/-15.70	-15.18/-14.94	-15.80/-15.83	-14.63/-15.52	-15.63/-15.07	-15.22/-15.97	-15.48/-16.04
Θ (180°)	-14.98/-15.28	-15.44/-15.77	-14.76/-15.58	-15.21/-14.77	-15.64/-14.67	-15.60/-15.52	-15.55/-15.52	-14.73/-15.67	-14.92/-15.31	-15.59/-15.29	-15.89/-15.34	-15.55/-15.30	-15.40/-15.12	-15.42/-14.97	-15.19/-15.99	-14.56/-16.00	-15.30/-13.36	-15.08/-15.78	-15.60/-14.75	-15.39/-15.19	-15.81/-14.84	-14.80/-15.35	-15.57/-14.54	-15.40/-15.79
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°)	-15.33/-15.65	-15.67/-16.00	-15.71/-15.34	-14.83/-15.29	-14.92/-15.51	-15.33/-14.97	-14.48/-15.35	-14.77/-14.80	-14.38/-14.69	-14.85/-15.81	-15.27/-14.96	-14.73/-15.62	-15.02/-15.95	-15.63/-15.31	-14.72/-16.19	-15.16/-12.77	-15.91/-14.74	-15.13/-15.82	-15.76/-15.55	-15.85/-15.05	-15.85/-15.82	-15.25/-15.71	-15.39/-15.67	-15.32/-15.94
Θ (7.5°)	-9.08/-9.72	-10.20/-10.22	-10.54/-10.66	-11.16/-12.10	-12.94/-12.52	-12.90/-12.93	-14.08/-13.65	-13.16/-12.02	-11.37/-11.11	-10.54/-9.76	-9.53/-9.93	-10.36/-9.92	-9.55/-9.39	-9.03/-9.10	-9.45/-10.08	-10.44/-10.14	-9.20/-8.02	-7.61/-8.16	-8.30/-7.85	-7.50/-7.31	-7.43/-7.51	-7.72/-7.71	-8.03/-8.24	-8.45/-8.73
Θ (15°)	-1.95/-2.02	-2.29/-2.76	-2.95/-3.22	-3.80/-3.90	-4.09/-4.44	-5.20/-5.93	-6.77/-7.31	-7.72/-8.80	-9.50/-8.39	-6.96/-5.88	-5.21/-5.08	-4.65/-3.94	-3.51/-3.41	-3.26/-3.17	-2.94/-2.65	-2.20/-1.62	-1.21/-1.12	-1.18/-1.23	-1.07/-0.76	-0.55/-0.54	-0.57/-0.74	-1.38/-2.27	-2.81/-2.77	-2.56/-2.11
Θ (22.5°)	0.85/1.10	0.92/0.56	0.32/0.05	-0.05/-0.29	-1.13/-2.08	-2.59/-2.82	-2.91/-2.84	-2.61/-2.52	-2.71/-2.51	-2.09/-1.81	-1.70/-1.84	-0.17/-0.54	0.37/0.77	0.64/0.06	-0.40/-0.61	-0.40/0.14	0.76/1.07	1.26/1.37	1.27/0.71	0.19/0.02	-0.29/-0.35	0.17/0.67	0.54/0.57	
Θ (30°)	2.15/2.62	2.48/1.99	1.79/1.76	1.58/0.82	0.09/-0.61	-0.95/-0.29	0.83/1.74	1.91/1.73	1.72/1.55	1.42/1.33	1.05/0.66	0.51/0.92	1.18/1.37	1.82/1.90	1.71/1.94	1.87/1.18	0.68/0.77	1.19/1.41	1.29/0.92	0.57/0.39	0.79/1.43	1.73/1.50	0.92/0.94	1.73/1.97
Θ (37.5°)	2.28/2.81	2.61/2.22	2.56/2.67	2.36/1.64	0.64/0.43	1.71/2.82	3.44/3.91	4.00/3.35	2.60/2.78	2.85/2.63	2.11/1.74	1.69/2.01	1.65/1.51	1.10/1.45	1.96/1.89	1.43/1.52	1.79/1.99	2.19/2.03	2.04/2.50	2.81/2.50	2.07/1.76	1.32/1.31	1.50/1.45	1.25/1.86
Θ (45°)	2.11/2.76	2.72/2.65	3.12/3.17	2.87/1.92	1.10/1.97	2.82/3.33	3.38/3.26	3.19/3.03	2.58/2.27	2.55/2.60	2.27/1.84	1.90/2.31	1.74/1.22	0.74/0.81	0.80/0.79	0.89/1.34	1.45/1.78	1.78/2.08	2.72/2.89	2.95/2.91	2.49/2.30	2.29/1.86	0.99/0.98	1.46/1.48
Θ (52.5°)	2.29/2.92	3.14/3.21	3.56/3.51	3.01/1.71	1.56/2.19	2.93/3.06	3.09/3.33	3.43/2.22	2.85/2.69	2.30/1.84	1.73/1.70	1.87/2.47	2.31/1.87	2.05/1.02	0.88/0.63	-0.30/-0.95	-1.07/-0.76	0.20/1.30	1.43/1.88	2.05/1.51	0.28/0.04	0.30/0.56	0.72/0.97	1.62/1.60
Θ (60°)	2.62/2.68	2.72/2.98	3.11/3.13	2.44/0.82	0.78/1.46	2.15/2.47	2.63/2.88	3.44/3.95	3.16/2.00	1.53/1.53	1.20/0.82	1.66/2.49	2.44/2.50	2.83/2.13	2.11/1.31	-0.16/-1.58	-3.16/-3.81	-2.22/-0.60	0.16/0.01	-0.34/-0.16	-0.11/-1.24	-1.70/-1.20	-0.51/0.53	0.95/2.11
Θ (67.5°)	1.47/1.98	2.22/2.84	2.75/2.55	1.63/0.12	-0.29/0.23	0.51/0.59	1.19/1.90	2.55/1.77	2.38/0.78	0.54/0.34	0.37/0.28	0.91/1.50	2.22/3.01	3.09/2.22	1.84/1.45	-0.56/-1.97	-3.45/-3.38	-2.28/-1.67	-1.04/-1.04	-0.28/0.54	0.52/-0.62	-1.70/-1.77	-1.79/-0.51	0.23/1.42
Θ (75°)	0.19/0.60	0.90/1.57	1.52/1.23	0.21/-1.11	-1.89/-1.37	-0.24/-1.91	-0.95/0.48	0.92/1.09	1.03/-0.92	-1.68/-1.44	-1.00/-1.16	-0.73/-0.29	0.98/1.92	2.00/1.51	1.26/0.95	-1.65/-3.22	-3.91/-2.06	-1.47/-0.23	0.42/-0.15	0.92/1.62	-0.87/-0.94	-1.63/-2.47	-3.28/-2.26	-1.76/0.15
Θ (82.5°)	-2.06/-0.67	-0.31/0.09	-0.15/-0.48	-1.52/-3.08	-3.23/-3.36	-4.79/-3.79	-3.04/-1.52	-0.54/-0.84	-0.86/-2.39	-3.81/-5.32	-2.84/-2.78	-2.51/-2.33	-0.67/0.24	0.65/0.18	-0.77/-1.40	-4.18/-6.79	-5.31/-2.17	-1.78/0.48	0.55/0.04	1.03/1.76	0.37/-2.65	-3.19/-2.99	-5.50/-3.97	-4.05/-1.99
Θ (90°)	-4.04/-2.97	-2.11/-2.23	-2.37/-2.59	-4.10/-6.16	-5.45/-6.07	-6.98/-6.80	-5.80/-3.56	-3.00/-2.98	-1.75/-3.41	-6.81/-5.92	-5.29/-4.97	-4.82/-4.67	-3.25/-2.55	-1.75/-2.57	-2.86/-3.40	-5.91/-10.04	-6.40/-3.12	-3.21/-1.27	-0.75/-0.23	0.62/0.29	-1.12/-3.38	-7.00/-4.79	-6.99/-7.25	-6.81/-4.17
Θ (97.5°)	-6.20/-5.02	-3.88/-3.90	-4.54/-4.77	-6.01/-9.08	-8.86/-9.04	-8.69/-7.98	-6.97/-4.57	-4.80/-4.16	-2.87/-5.46	-9.30/-7.56	-7.05/-7.14	-5.05/-6.57	-5.05/-5.86	-4.87/-5.04	-4.67/-5.70	-7.67/-12.59	-8.19/-4.58	-4.69/-3.06	-3.08/-1.66	-0.88/-1.94	-4.41/-5.74	-9.66/-6.95	-10.59/-9.95	-8.93/-5.94
Θ (105°)	-7.98/-6.01	-4.44/-5.45	-6.57/-7.77	-9.00/-11.14	-12.02/-10.73	-11.98/-8.77	-8.48/-6.83	-6.32/-5.46	-5.12/-7.91	-9.96/-9.36	-9.87/-8.90	-8.76/-9.00	-7.77/-8.00	-6.70/-7.25	-6.76/-7.56	-9.80/-14.62	-13.46/-9.14	-7.90/-6.37	-6.71/-4.87	-6.05/-3.30	-7.35/-10.14	-11.48/-9.93	-14.94/-11.17	-10.31/-9.75
Θ (112.5°)	-8.62/-8.55	-6.73/-6.99	-8.24/-10.03	-10.73/-13.12	-14.02/-10.74	-14.97/-11.48	-10.06/-9.14	-8.29/-8.12	-6.86/-9.44	-10.79/-10.56	-11.47/-11.36	-10.38/-10.21	-10.07/-10.56	-9.76/-10.88	-10.17/-9.27	-9.32/-13.91	-14.36/-11.22	-12.12/-11.76	-11.15/-9.47	-10.97/-9.83	-11.63/-12.19	-13.67/-13.06	-15.32/-13.64	-12.22/-9.41
Θ (120°)	-10.40/-9.76	-8.76/-9.37	-10.05/-11.59	-12.88/-15.49	-14.44/-13.83	-14.88/-14.87	-13.08/-11.28	-9.72/-9.82	-10.46/-10.80	-10.74/-12.53	-12.45/-12.81	-12.70/-12.02	-11.27/-11.52	-1										



Antenna Pattern of 2.4GHz/5GHz

Appendix B.1

Θ (127.5°)	-12.68/-14.58	-15.57/-15.20	-14.02/-12.80	-12.94/-13.07	-13.17/-12.82	-11.92/-11.26	-13.62/-15.59	-15.09/-14.55	-15.90/-14.85	-12.27/-12.31	-14.43/-13.57	-14.96/-14.80	-14.70/-13.10	-10.92/-12.83	-12.16/-9.59	-10.13/-14.07	-11.61/-10.86	-14.48/-12.06	-9.40/-11.34	-8.60/-11.35	-12.80/-16.10	-10.55/-9.34	-11.22/-12.73	-12.05/-13.29
Θ (135°)	-15.31/-15.25	-15.72/-15.47	-15.22/-14.84	-16.02/-15.58	-14.88/-12.45	-11.59/-11.30	-13.67/-14.92	-12.93/-13.45	-15.04/-14.05	-13.05/-12.73	-11.83/-12.43	-14.63/-15.67	-15.50/-13.87	-11.12/-13.72	-15.24/-13.06	-12.41/-10.88	-10.97/-15.32	-15.49/-13.21	-9.72/-11.87	-12.34/-14.54	-15.00/-15.71	-12.71/-11.83	-13.65/-14.97	-11.57/-14.72
Θ (142.5°)	-15.35/-15.00	-15.78/-15.28	-15.85/-14.46	-15.58/-15.49	-14.83/-15.91	-15.16/-15.61	-14.92/-14.01	-13.92/-15.48	-15.02/-15.05	-13.94/-13.86	-12.24/-15.11	-15.60/-15.56	-15.69/-14.24	-13.45/-14.86	-15.60/-15.11	-15.04/-15.14	-15.02/-15.27	-13.43/-14.88	-13.11/-13.95	-15.16/-15.72	-15.44/-14.18	-15.44/-15.94	-15.62/-15.77	
Θ (150°)	-15.95/-15.38	-14.78/-15.59	-15.46/-15.70	-14.41/-14.79	-15.94/-15.93	-15.78/-15.96	-15.96/-15.63	-14.57/-15.44	-16.13/-15.01	-16.02/-15.12	-15.20/-15.67	-15.18/-15.15	-16.02/-15.43	-14.28/-15.26	-15.98/-15.46	-15.01/-14.67	-15.35/-15.97	-15.30/-15.13	-14.40/-12.77	-12.61/-15.03	-15.27/-15.05	-14.72/-15.65	-14.82/-14.86	-15.10/-16.17
Θ (157.5°)	-15.22/-15.36	-15.94/-15.10	-15.49/-15.06	-15.64/-15.54	-15.29/-15.69	-15.16/-15.03	-15.07/-15.58	-15.84/-15.44	-15.06/-14.52	-16.03/-15.10	-12.87/-13.27	-15.63/-15.02	-15.05/-15.58	-15.49/-15.83	-15.79/-14.84	-15.51/-15.29	-15.02/-14.81	-15.92/-15.59	-15.23/-15.50	-15.77/-16.21	-15.87/-14.97	-15.32/-15.31	-15.64/-15.29	
Θ (165°)	-15.26/-14.81	-15.54/-15.34	-15.85/-15.06	-15.10/-15.25	-15.61/-15.73	-16.08/-15.54	-15.77/-14.59	-14.97/-15.32	-14.98/-15.30	-15.51/-15.38	-15.63/-15.39	-15.34/-15.00	-14.20/-15.57	-15.84/-15.43	-15.89/-15.41	-15.33/-15.07	-15.89/-15.98	-16.05/-15.11	-15.44/-15.37	-15.78/-15.54	-14.71/-14.88	-15.31/-16.17		
Θ (172.5°)	-15.58/-14.91	-15.66/-14.62	-15.17/-15.46	-14.72/-15.35	-15.66/-14.97	-15.33/-14.97	-15.38/-15.97	-14.71/-16.23	-15.51/-16.25	-15.46/-15.46	-15.81/-15.33	-15.61/-14.86	-15.36/-15.41	-15.42/-15.04	-15.53/-14.83	-15.24/-15.39	-14.84/-15.68	-14.98/-15.88	-15.03/-13.67	-14.37/-15.41	-15.44/-15.13	-15.20/-15.01	-14.29/-15.82	-15.66/-14.95
Θ (180°)	-15.19/-14.67	-15.45/-15.89	-15.19/-14.95	-15.39/-16.02	-15.43/-14.99	-15.50/-15.30	-15.13/-15.51	-14.64/-15.17	-15.18/-15.62	-14.45/-15.57	-15.27/-14.66	-14.97/-15.49	-14.91/-15.07	-15.05/-16.26	-15.32/-15.57	-14.85/-15.64	-15.03/-15.29	-14.44/-15.50	-15.22/-15.29	-15.15/-15.65	-15.42/-15.25	-15.92/-16.07	-15.76/-14.80	-15.17/-15.54
Freq(Hz)	5.6GPol	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°)	-14.15/-13.73	-13.53/-13.75	-13.16/-12.94	-12.73/-12.73	-13.48/-13.03	-14.37/-14.76	-15.38/-15.19	-14.34/-14.52	-14.15/-14.03	-14.22/-14.68	-15.03/-15.85	-15.03/-15.40	-14.80/-13.47	-13.56/-14.38	-15.34/-15.45	-15.80/-15.46	-15.40/-15.05	-15.97/-15.38	-15.56/-15.14	-15.35/-15.52	-15.66/-15.23	-15.07/-14.90	-14.10/-13.94	-13.26/-13.57
Θ (7.5°)	-7.51/-7.75	-8.30/-8.68	-8.94/-9.49	-10.05/-10.53	-11.20/-11.36	-11.84/-11.84	-11.58/-10.57	-9.54/-8.91	-8.35/-7.67	-7.01/-6.71	-5.48/-5.72	-4.73/-4.54	-4.61/-4.73	-4.93/-5.19	-5.30/-5.40	-5.50/-5.71	-6.18/-6.60	-6.92/-7.00	-7.24/-7.25	-7.64/-7.63				
Θ (15°)	-1.52/-1.28	-1.16/-1.38	-1.72/-2.02	-1.94/-1.98	-1.96/-1.69	-1.46/-1.36	-1.36/-1.47	-1.48/-1.58	-1.71/-1.81	-1.75/-1.73	-1.51/-1.24	-1.18/-1.11	-0.99/-0.71	-0.220.21	0.350.26	0.03/-0.34	-0.98/-1.57	2.19/-2.74	-3.05/-3.41	-3.84/-4.55	-4.97/-5.16	-5.16/-4.97	-4.28/-3.41	-2.78/-2.09
Θ (22.5°)	-0.260.31	0.83/-0.02	0.89/-0.68	0.67/-0.78	0.88/-0.94	0.95/-0.84	0.75/-0.84	0.84/-0.89	0.82/-0.85	0.88/-0.95	1.20/-1.72	2.00/-1.98	2.09/-2.55	2.81/-2.64	2.27/-2.17	2.18/-2.10	1.93/-1.61	1.28/-0.98	0.77/-0.45	0.09/-0.39	-1.25/-2.19	-3.01/-3.29	-3.15/-2.70	-1.93/-0.99
Θ (30°)	1.61/-1.69	1.91/-0.07	2.35/-2.47	2.48/-2.24	1.97/-1.92	1.95/-2.01	2.29/-2.71	2.99/-2.84	2.39/-1.92	1.77/-1.56	1.43/-1.37	1.25/-1.46	2.22/-2.72	2.94/-3.29	3.79/-4.15	4.12/-3.58	3.01/-2.69	2.66/-2.70	2.48/-1.94	1.60/-1.69	1.87/-1.77	1.73/-1.83	1.94/-1.88	1.80/-1.74
Θ (37.5°)	2.92/-2.58	2.74/-3.13	3.59/-3.78	3.74/-3.58	3.35/-2.81	2.05/-1.65	1.91/-2.66	3.27/-3.43	3.44/-3.42	3.53/-3.57	3.16/-2.26	1.34/-1.30	1.62/-2.37	3.63/-4.27	4.07/-3.64	3.16/-2.63	2.35/-2.23	2.10/-1.88	1.67/-1.73	1.88/-2.04	2.36/-2.49	2.70/-2.28	3.81/-4.10	3.92/-3.51
Θ (45°)	2.97/-2.43	2.57/-3.12	3.78/-4.34	4.67/-6.04	4.03/-2.99	2.07/-1.78	1.95/-2.24	2.64/-2.68	2.89/-3.54	4.00/-4.14	3.82/-3.18	2.44/-2.26	1.66/-1.59	2.56/-2.73	1.94/-1.33	1.74/-2.25	2.26/-1.91	1.85/-2.21	2.39/-2.25	2.60/-2.98	3.01/-2.82	2.82/-2.24	3.73/-3.66	4.53/-3.84
Θ (52.5°)	2.73/-1.65	1.41/-2.30	3.39/-4.28	4.76/-4.53	3.84/-3.10	2.94/-3.14	2.52/-2.37	1.89/-1.19	1.81/-1.47	2.07/-2.25	2.08/-2.04	1.78/-1.61	0.53/-0.61	-0.52/-0.62	1.51/-1.12	1.23/-1.99	2.32/-1.83	1.16/-0.85	1.09/-1.66	2.23/-2.90	2.98/-2.78	2.85/-2.12	3.16/-3.77	3.95/-3.57
Θ (60°)	2.16/-0.96	0.57/-1.25	2.09/-3.18	3.91/-4.06	4.02/-3.68	3.43/-3.28	2.60/-1.92	1.36/-0.48	0.45/-1.05	1.52/-1.79	1.24/-1.06	0.94/-0.51	-0.58/-1.10	-1.36/-1.47	3.59/-3.08	0.94/-0.13	0.49/-0.54	0.48/-0.20	-0.66/-0.58	1.60/-2.33	2.39/-2.31	2.57/-2.84	2.50/-2.80	3.20/-3.05
Θ (67.5°)	1.06/-0.60	-1.79/-0.69	0.60/-2.07	2.66/-2.46	2.73/-2.81	2.79/-2.59	1.78/-0.82	0.29/-0.30	1.06/-1.19	2.15/-2.97	1.62/-0.35	-0.05/-0.83	-0.69/-1.83	3.84/-3.32	1.68/-1.09	0.70/-0.31	-0.24/-1.14	-1.13/-0.65	1.14/-1.63	1.85/-2.12	2.46/-2.80	1.85/-1.75	1.80/-1.97	
Θ (75°)	-0.37/-2.40	-3.86/-2.48	-0.68/-0.76	1.06/-0.57	1.14/-1.29	1.19/-0.85	-1.52/-0.60	0.62/-0.54	1.59/-2.17	1.63/-1.43	1.10/-0.03	-0.54/-1.48	-1.90/-0.04	2.81/-3.60	1.52/-1.16	0.86/-0.68	-0.15/-1.13	-1.88/-0.34	0.26/-0.75	0.40/-0.91	1.09/-1.79	0.55/-0.19	0.20/-0.63	
Θ (82.5°)	-2.18/-4.39	-6.36/-5.28	-2.82/-0.93	-0.95/-1.22	-0.56/-0.87	-1.46/-1.77	-2.13/-3.00	-3.14/-1.87	-0.28/-0.78	0.330.77	-0.17/-0.20	-0.61/-1.70	-1.54/-3.65	-3.37/-2.08	0.100.91	0.74/-1.18	1.00/-0.74	-0.79/-2.23	-2.66/-0.88	-0.42/-0.15	-0.74/-0.75	-0.18/-0.70	-0.90/-2.16	-1.86/-1.42
Θ (90°)	-4.30/-6.53	-8.62/-7.86	-5.26/-2.85	-2.72/-3.46	-2.32/-2.62	-3.61/-3.81	-3.90/-5.12	-5.64/-4.79	-2.05/-2.62	-2.10/-1.92	-2.99/-2.97	-3.72/-6.37	-5.49/-4.49	-2.89/-1.25	-1.03/-0.23	0.34/-0.02	-1.92/-4.07	-3.23/-2.68	-2.48/-2.32	-2.32/-2.79	-2.50/-1.33	-2.14/-3.70	-4.10/-4.31	
Θ (97.5°)	-7.14/-8.58	-10.91/-10.80	-7.19/-6.00	-6.10/-7.38	-5.06/-5.63	-7.05/-6.67	-7.38/-8.12	-8.13/-7.16	-4.04/-5.23	-3.91/-4.11	-5.10/-5.18	-6.96/-6.83	-5.13/-3.18	-7.03/-6.78	-5.10/-3.75	-3.56/-2.24	-1.74/-2.35	-4.91/-6.82	-4.89/-4.50	-5.00/-4.89	-4.69/-3.60	-4.31/-6.82	-5.76/-6.37	
Θ (105°)	-8.22/-9.50	-11.77/-12.19	-8.88/-7.25	-6.82/-6.98	-6.36/-6.52	-8.57/-8.59	-9.33/-10.47	-10.07/-8.64	-5.87/-6.76	-5.95/-6.63	-6.74/-7.12	-10.52/-8.72	-7.71/-11.56	-10.66/-8.48	-8.43/-7.89	-7.19/-6.06	-5.02/-7.37	-9.39/-12.40	-10.23/-8.95	-9.54/-8.25	-7.98/-7.72	-6.08/-5.83	-6.67/-7.74	-7.70/-7.90
Θ (112.5°)	-10.42/-10.24	-12.53/-13.37	-11.59/-8.67	-7.99/-8.45	-9.89/-9.79	-9.36/-9.84	-12.55/-12.28	-13.74/-11.61	-10.45/-8.56	-9.79/-8.60	-9.73/-14.11	-12.66/-12.46	-10.76/-14.12	-11.89/-9.16	-10.15/-11.48	-10.57/-10.16	-9.91/-11.85	-12.70/-15.32	-16.19/-11.81	-10.34/-3.91	-8.82/-8.47	-7.35/-7.85	-8.06/-9.29	-10.18/-10.19
Θ (120°)	-11.95/-13.11	-14.34/-14.92	-12.71/-11.60	-11.17/-11.22	-13.08/-12.57	-10.58/-9.46	-10.08/-11.77	-14.27/-13.87	-11.60/-10.69	-10.30/-9.28	-10.05/-14.00	-13.08/-15.45	-14.40/-14.73	-12.80/-12.20	-11.87/-9.57	-9.61/-9.79	-11.17/-12.19	-14.08/-14.68	-13.37/-10.02	-8.53/-8.71	-7.65/-9.50	-10.41/-10.95	-11.41/-11.32	
Θ (127.5°)	-12.99/-16.13	-14.88/-13.59	-13.52/-12.84	-12.66/-13.46	-12.05/-11.32	-11.33/-11.04	-11.96/-14.03	-14.63/-15.56	-15.14/-13.54	-11.67/-10.16	-11.62/-12.98	-15.13/-15.43	-15.22/-13.81	-11.02/-14.38	-14.27/-10.62	-9.38/-14.04	-12.32/-11.44	-15.16/-12.39	-8.54/-9.78	-9.53/-12.53	-14.63/-12.23	-8.77/-8.71	-12.38/-15.78	-14.85/-14.01
Θ (135°)	-14.18/-15.69	-15.85/-14.70	-13.82/-13.04	-14.04/-14.82	-14.83/-12.92	-11.28/-11.75	-13.74/-14.16	-14.64/-13.48	-14.07/-13.76	-12.92/-13.04	-13.90/-14.07	-14.48/-14.60	-15.46/-14.86	-10.17/-14.40	-14.96/-14.92	-13.62/-11.10	-10.81/-15.00	-15.39/-13.33	-9.99/-13.35	-14.58/-14.97	-15.32/-15.27	-12.01/-14.72	-13.79/-14.38	-14.13/-13.68
Θ (142.5°)	-15.55/-15.64	-15.56/-14.85	-15.10/-14.39	-14.06/-14.54	-13.81/-14.55	-14.61/-13.36	-14.75/-15.45	-13.39/-14.87	-15.20/-14.64	-13.46/-14.65	-14.23/-12.23	-14.18/-14.51	-13.88/-13.28	-13.28/-14.08	-13.68/-14.37	-15.00/-16.22	-13.38/-14.97	-15.48/-14.25	-12.86/-13.75	-12.69/-15.55	-15.85/-15.53	-14.92/-15.38	-15.92/-14.89	-12.71/-14.18
Θ (150°)	-15.72/-15.47	-15.52/-15.80	-15.70/-14.91	-15.85/-15.53	-15.71/-15.68	-15.20/-15.15	-14.10/-14.60	-15.85/-14.91	-15.32/-15.06	-15.61/-15.52	-12.66/-14.19	-15.61/-15.04	-14.86/-14.14	-15.04/-15.59	-15.10/-15.32	-15.28/-15.81	-14.04/-15.98	-15.38/-14.83	-15.22/-15.64	-15.50/-16.23	-14.76/-15.30	-15.65/-14.25	-14.73/-15.68	-15.06/-15.03
Θ (157.5°)	-15.70/-15.60	-15.17/-15.64	-15.17/-15.57	-15.44/-15.72	-16.05/-15.67	-15.08/-16.00	-15.61/-14.95	-15.30/-15.30	-15.95/-15.96	-15.40/-14.45	-15.65/-15.49	-15.94/-14.30	-14.79/-13.52	-14.83/-15.74	-14.77/-15.85	-15.56/-14.68	-15.93/-15.96	-16.13/-14.89	-14.96/-15.24	-15.24/-15.86	-15.69/-14.79	-15.40/-15.03	-15.45/-14.99	-15.36/-15.29
Θ (165°)	-14.68/-14.59	-14.93/-15.58	-15.16/-14.63	-15.31/-15.19	-15.80/-14.62	-15.03/-15.37	-14.59/-15.20	-16.12/-15.55	-15.08/-15.17	-15.01/-15.60	-15.43/-15.62	-15.27/-15.41	-15.05/-14.66	-15.20/-14.85	-16.10/-15.32	-15.30/-15.46	-15.30/-15.68	-15.35/-15.11	-15.63/-15.28	-15.50/-15.45	-15.36/-15.41	-15.56/-15.74	-14.94/-14.85	-14.94/-13.72
Θ (172.5°)	-15.45/-15.34	-15.60/-15.12	-15.3																					

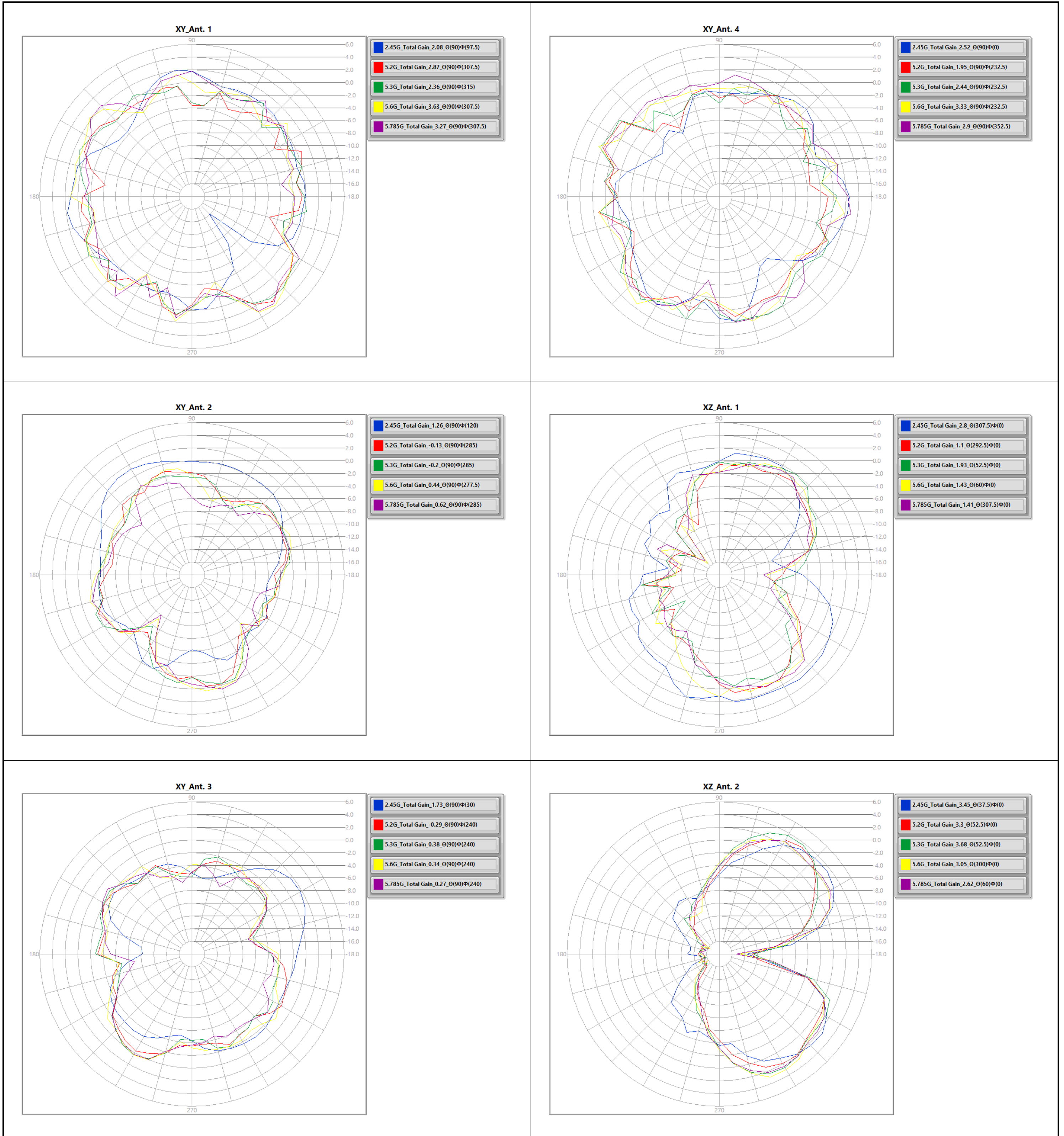


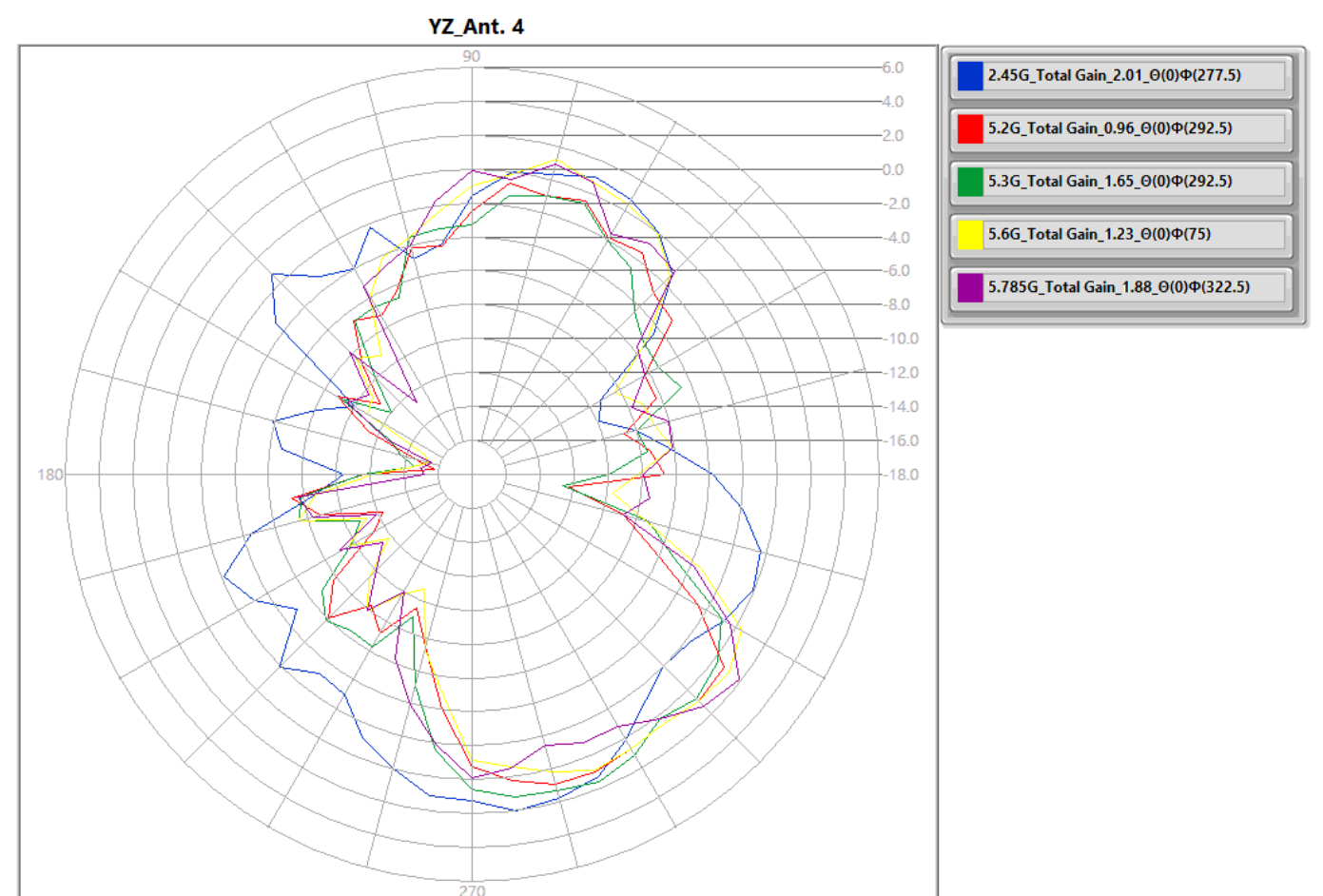
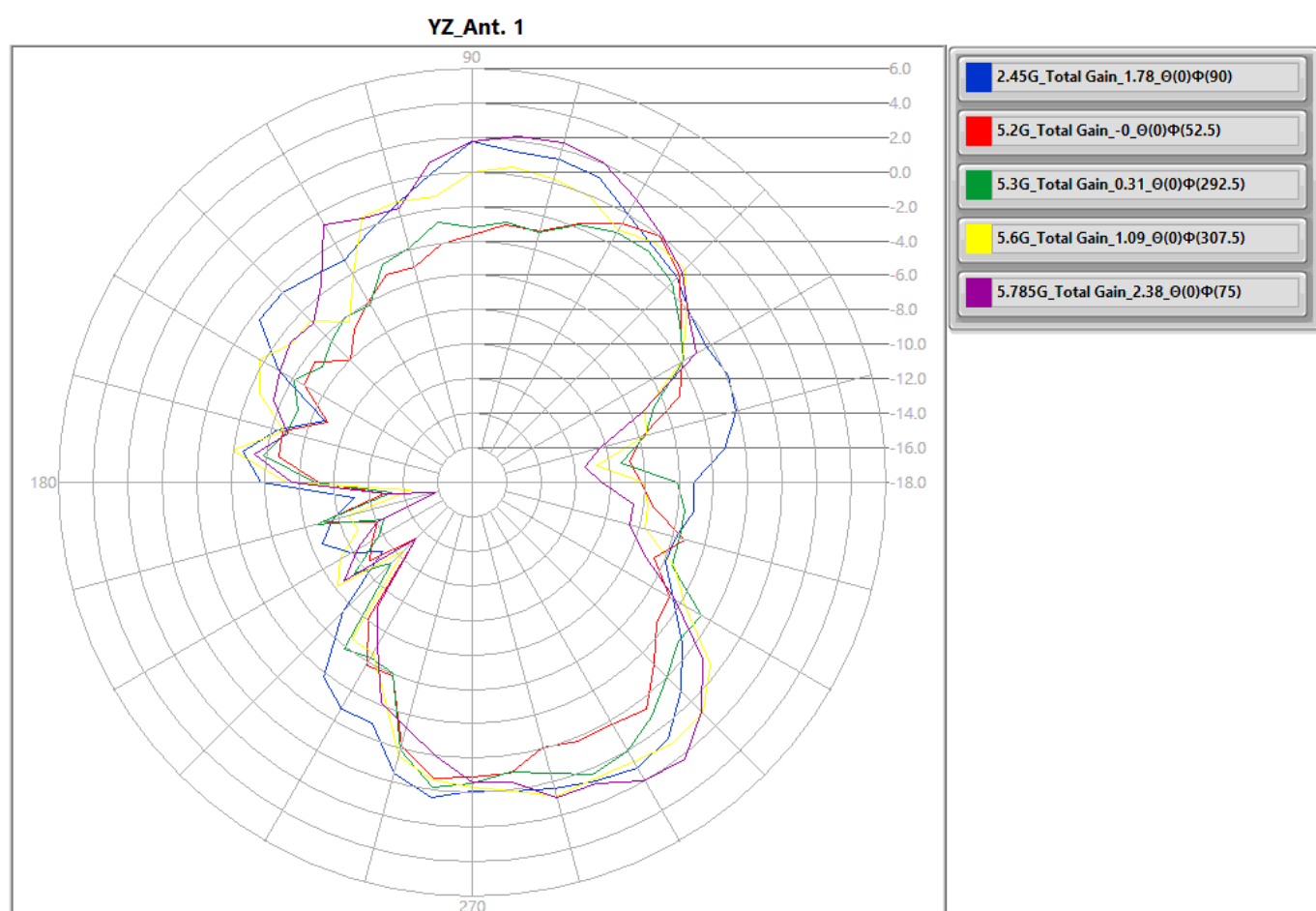
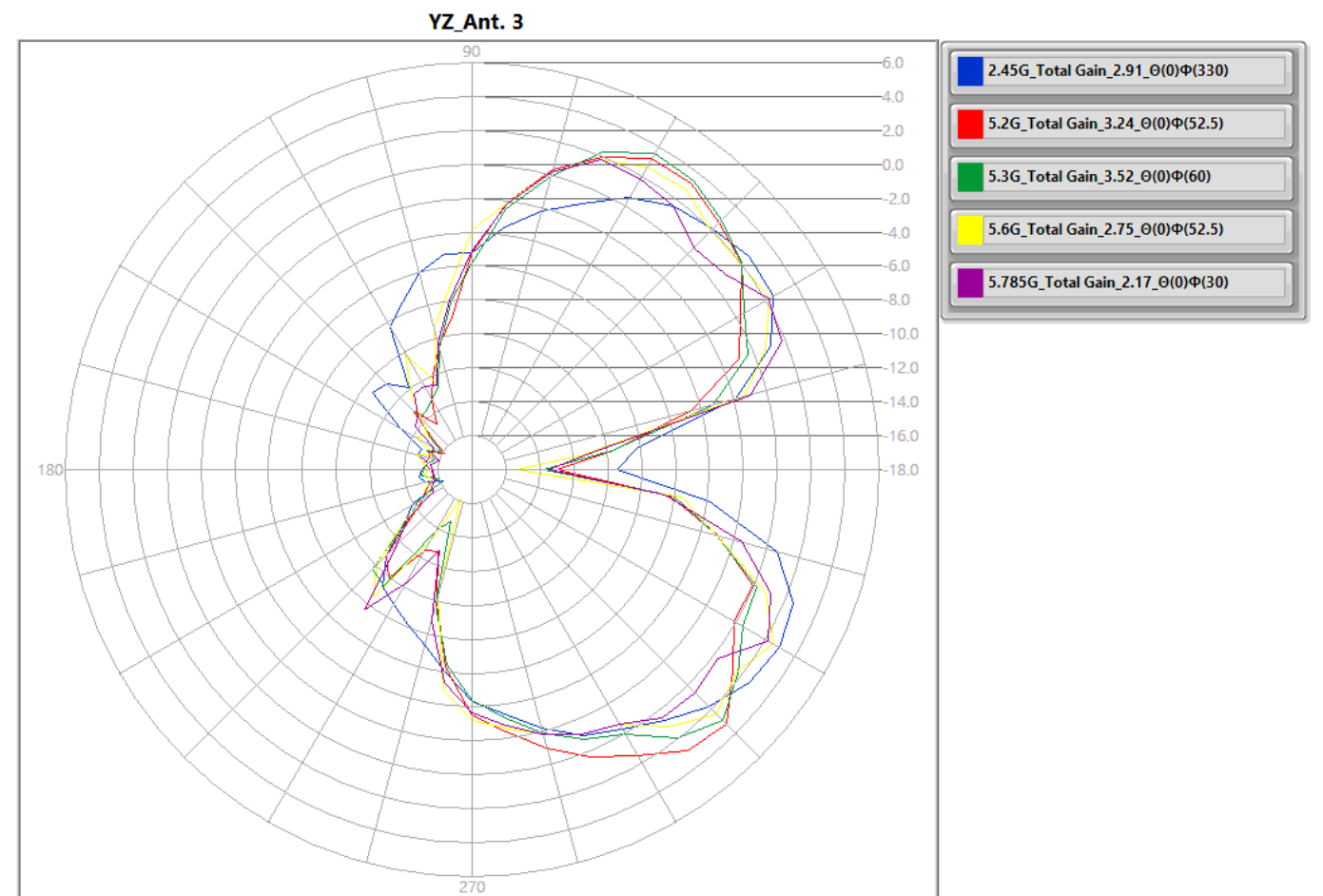
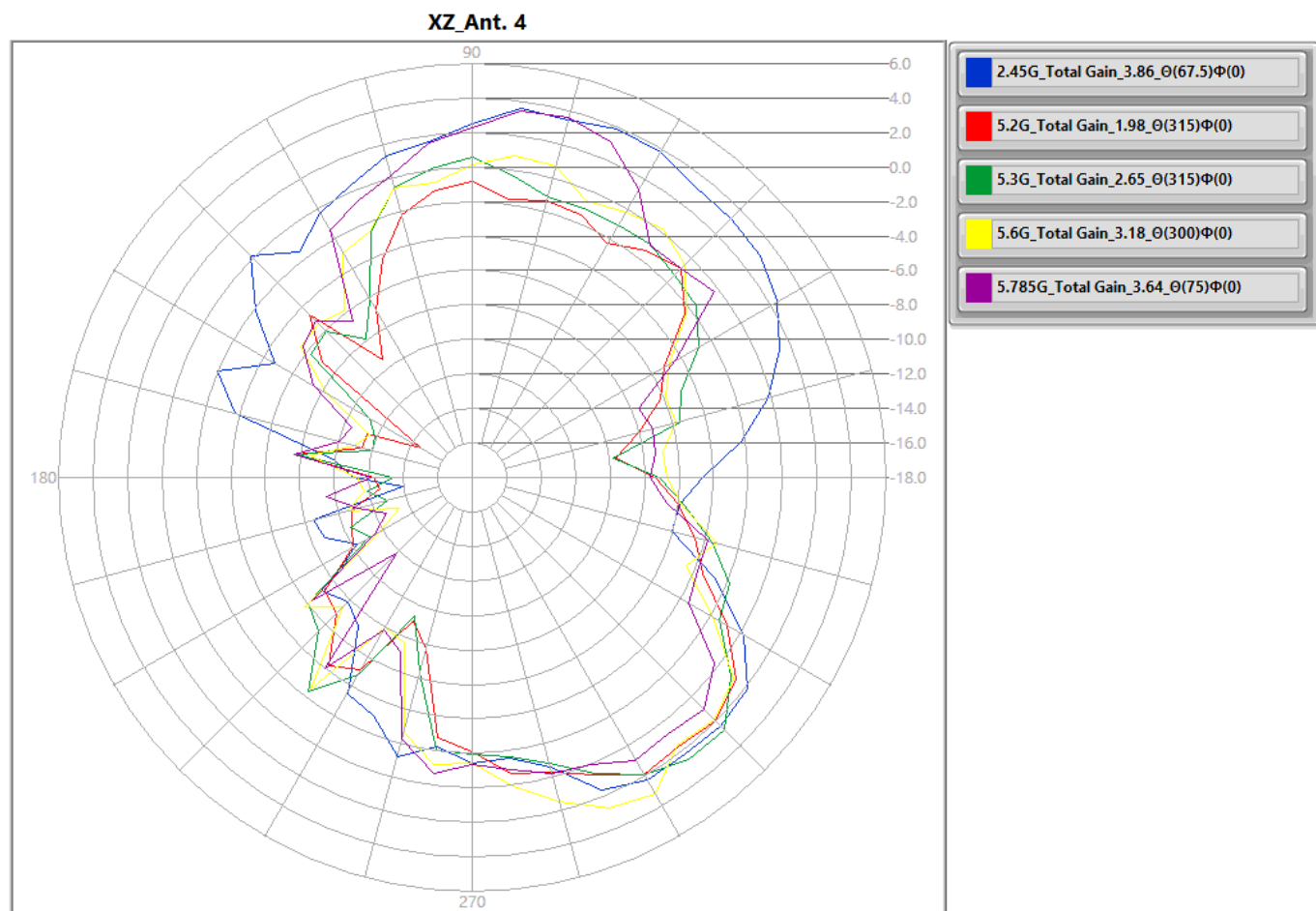
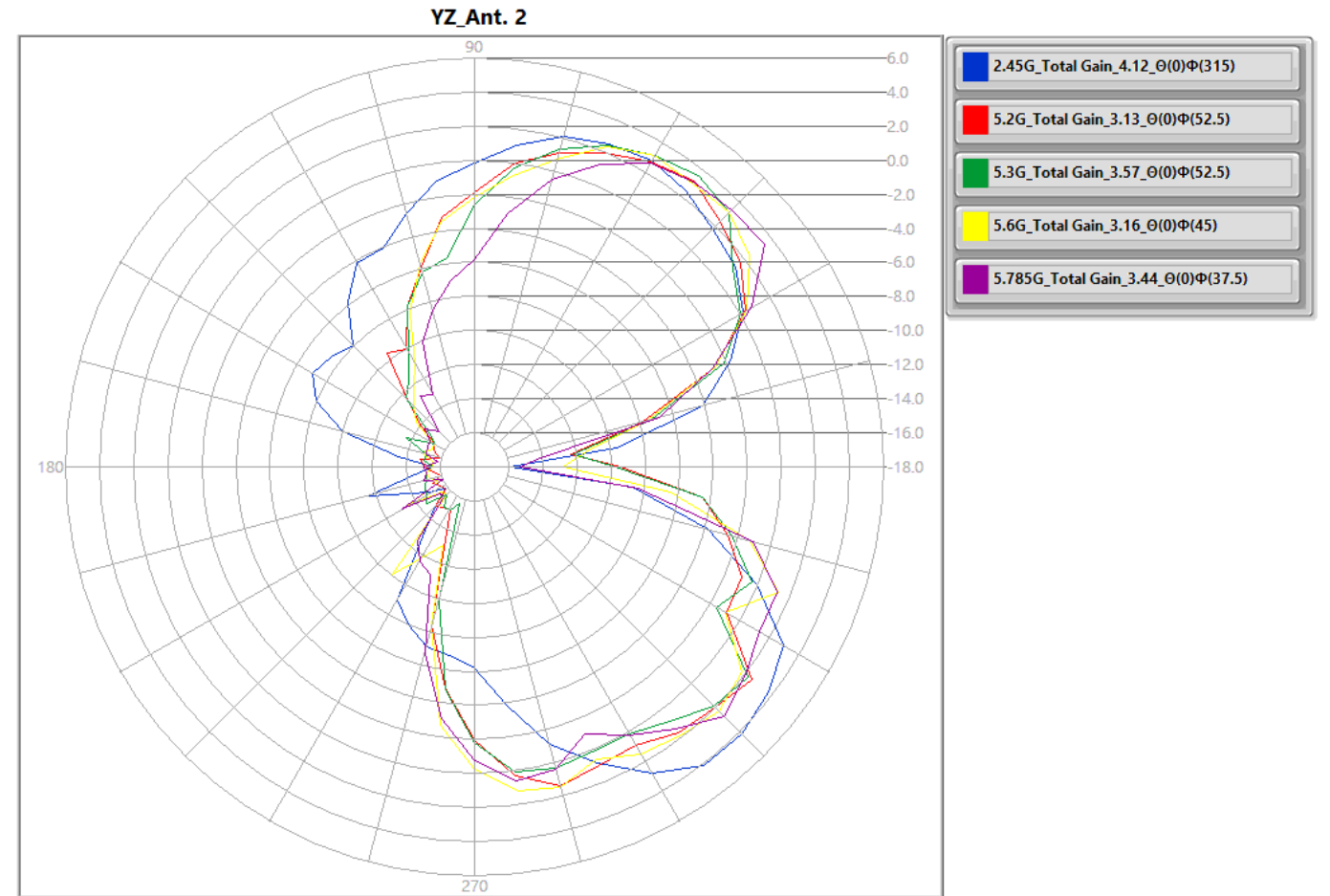
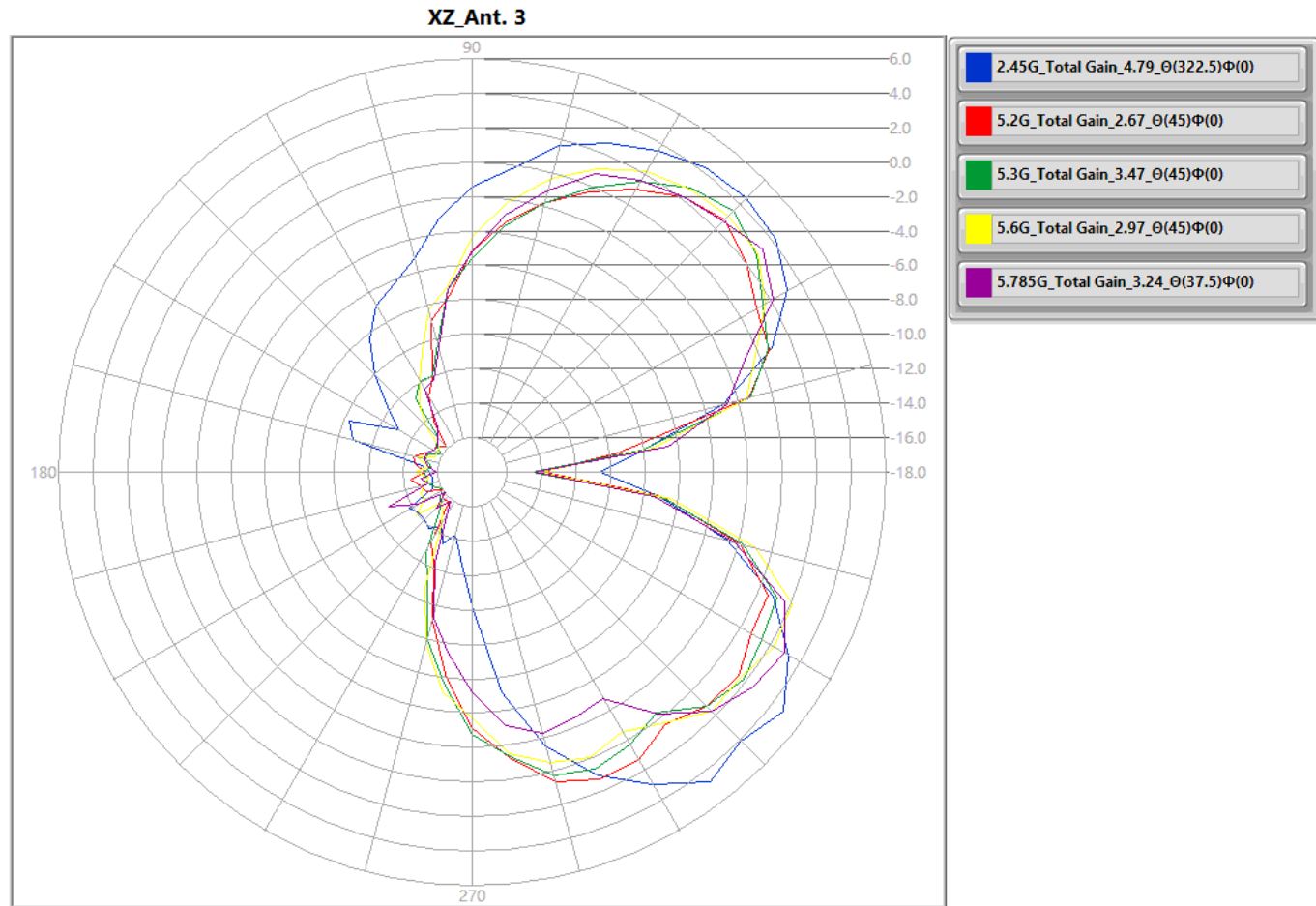
Antenna Pattern of 2.4GHz/5GHz

Appendix B.1

Θ (180°)	-12.25/-12.72	-12.80/-13.29	-12.79/-12.04	-11.37/-10.80	-10.65/-11.06	-10.95/-11.33	-11.61/-11.99	-11.81/-11.98	-11.79/-10.63	-9.75/-9.98	-10.49/-10.34	-9.21/-8.39	-8.81/-9.75	-9.50/-8.93	-8.53/-8.66	-9.20/-9.67	-9.47/-9.34	-9.08/-9.25	-9.41/-9.13	-8.56/-8.45	-8.63/-9.40	-9.84/-9.62	-9.94/-9.90	-10.53/-11.33
Freq(Hz)	5.3GPol.	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°)	-7.15/-6.90	-6.84/-7.22	-7.75/-8.38	-9.03/-8.66	-8.42/-8.84	-9.42/-9.44	-9.93/-10.09	-9.98/-9.69	-9.68/-10.10	-10.68/-10.54	-9.42/-8.85	-8.35/-8.75	-9.33/-10.05	-9.82/-9.50	-9.38/-8.84	-8.72/-8.13	-8.63/-9.03	-9.68/-9.71	-9.86/-10.25	-9.03/-7.98	-7.29/-7.03	-7.47/-7.36	-7.10/-7.31	-7.76/-7.37
Θ (7.5°)	-9.72/-10.74	-11.34/-10.26	-9.58/-9.80	-9.55/-9.00	-8.75/-8.86	-8.37/-7.62	-7.58/-7.46	-7.87/-7.47	-6.61/-6.04	-5.56/-5.17	-4.80/-4.52	-4.50/-4.77	-5.55/-5.85	-6.14/-6.54	-7.15/-7.69	-8.09/-8.91	-9.24/-9.83	-10.80/-12.16	-12.64/-12.19	-13.79/-13.94	-12.66/-11.49	-10.59/-10.20	-9.59/-9.29	-8.94/-9.44
Θ (15°)	-5.56/-6.81	-7.74/-8.10	-7.65/-7.43	-7.26/-8.13	-8.81/-8.37	-8.21/-8.06	-7.96/-8.20	-9.30/-8.67	-8.18/-7.85	-6.91/-5.71	-5.14/-4.82	-4.64/-4.11	-3.63/-4.11	-4.48/-4.20	-4.78/-5.33	-5.54/-6.22	-6.63/-6.87	-7.40/-7.20	-7.26/-7.68	-8.91/-9.60	-9.55/-8.93	-7.89/-7.40	-6.82/-6.05	-5.43/-5.56
Θ (22.5°)	-4.92/-5.23	-5.62/-5.96	-6.37/-5.02	-3.55/-3.90	-4.52/-5.13	-5.80/-5.24	-4.64/-5.29	-5.65/-5.31	-4.80/-4.03	-3.04/-2.38	-2.55/-3.30	-3.40/-2.62	-1.85/-1.98	-2.81/-3.77	-4.50/-4.26	-4.72/-5.12	-4.97/-4.63	-4.62/-4.72	-5.15/-6.28	-7.09/-6.58	-5.72/-5.04	-4.82/-4.53	-4.75/-4.72	-4.93/-4.86
Θ (30°)	-2.81/-2.83	-4.64/-5.24	-4.25/-2.56	-1.51/-1.86	-2.52/-4.13	-5.26/-5.19	-5.30/-6.36	-6.34/-4.42	-3.44/-3.84	-4.30/-3.89	-3.28/-2.97	-2.93/-2.57	-1.48/-1.10	-2.33/-4.16	-4.74/-3.96	-3.68/-3.16	-2.73/-2.10	-2.10/-1.79	-1.00/-1.07	-1.46/-2.13	-2.37/-2.74	-3.62/-4.34	-5.20/-5.22	-4.66/-3.44
Θ (37.5°)	-1.63/-1.91	-3.16/-3.56	-1.73/-0.13	-0.22/-0.99	-1.67/-3.05	-4.08/-4.33	-5.22/-4.74	-2.77/-1.24	-1.01/-0.12	1.012.12	1.050.10	0.300.53	4.164.90	3.682.88	1.941.12	1.050.36	0.900.91	0.410.11	0.240.68	0.990.67	-0.02/-0.74	-1.25/-1.63	-2.12/-2.83	-2.90/-2.16
Θ (45°)	-1.38/-1.48	-0.68/-0.79	-0.760.20	0.680.16	-0.25/-0.76	-1.84/-3.94	-4.46/-2.13	-0.340.25	-0.17/-0.94	-0.51/-0.09	0.750.59	1.052.58	2.651.21	0.24/-0.26	0.61/-1.51	1.642.01	1.570.68	-0.07/-0.22	0.751.38	1.260.77	0.660.77	0.801.03	0.59/-0.44	-0.67/-0.52
Θ (52.5°)	-1.00/-1.47	-0.550.32	-0.98/-0.70	1.161.09	0.680.00	-1.95/-3.78	-2.63/-1.25	-0.020.55	-0.83/-1.53	-0.62/-0.24	2.672.73	2.653.22	2.631.25	0.410.43	1.762.39	1.741.99	1.070.00	-0.88/-1.63	0.131.34	1.540.50	0.320.97	0.681.33	0.87/-0.35	-0.00/-0.13
Θ (60°)	-1.09/-1.94	-2.010.36	0.68/-0.56	0.440.40	1.531.86	0.23/-1.38	-2.03/-0.71	1.012.12	1.050.10	0.300.53	4.164.90	3.682.88	1.941.12	1.050.36	0.900.91	0.410.11	0.240.68	0.26/-0.15	0.65/-0.91	1.112.43	1.670.41	0.561.51	1.031.69	0.81/-1.31
Θ (67.5°)	-1.13/-1.57	-2.33/-0.97	0.44/-0.60	0.390.52	1.681.96	0.57/-0.47	-0.710.66	2.143.24	2.711.61	1.472.09	5.065.12	3.462.61	0.561.90	0.850.24	1.441.53	1.963.10	0.711.08	1.87/-0.56	1.652.91	1.500.78	1.161.84	0.681.73	1.630.22	-1.46/-1.29
Θ (75°)	-1.16/-0.82	-0.99/-1.92	0.38/-0.61	-1.02/-0.36	2.172.47	0.880.21	-0.990.76	1.772.45	2.422.38	0.862.54	4.005.00	2.552.36	-0.831.48	1.04/-0.19	0.681.18	1.733.57	1.501.76	2.81/-0.47	1.272.83	1.881.58	1.701.93	0.531.69	1.790.59	-1.62/-0.71
Θ (82.5°)	-0.30/-1.31	-0.92/-2.77	-0.43/-0.60	-2.02/-0.56	1.481.24	-0.05/-0.20	-1.470.25	0.510.47	0.822.01	-0.102.68	3.163.10	0.581.00	-0.55/-1.21	0.631.51	1.543.38	1.401.85	2.53/-1.03	1.222.73	2.132.64	-0.150.75	2.171.71	-0.150.75	1.551.01	-1.670.46
Θ (90°)	0.54/-1.66	-0.62/-3.66	-1.39/-0.44	-2.99/-1.85	0.240.25	-1.47/-0.73	-3.27/-1.50	-1.42/-3.24	-3.42/-0.98	-3.411.81	1.562.43	-0.800.30	-1.951.00	-2.59/-3.04	-0.791.63	0.622.44	1.150.44	2.09/-1.88	0.601.84	1.742.10	1.870.22	-1.01/-0.61	0.730.69	-2.20/-0.09
Θ (97.5°)	0.06/-3.12	-1.36/-3.10	-3.01/-1.92	-4.30/-2.88	-1.44/-2.22	-3.55/-0.84	-3.42/-1.58	-2.12/-6.04	-6.56/-5.09	-4.10/-0.46	0.47/-0.42	-2.01/-2.14	-2.00/-0.35	-3.83/-3.75	-3.05/-0.70	-0.550.16	-1.81/-1.40	-0.09/-5.03	-1.560.33	-0.060.70	0.40/-2.38	-3.28/-1.86	-0.77/-0.05	-2.37/-1.86
Θ (105°)	-0.59/-4.20	-2.55/-2.54	-4.83/-3.62	-4.67/-4.55	-2.81/-3.59	-5.79/-2.15	-3.56/-1.14	-2.12/-5.87	-3.79/-2.89	-2.99/-2.97	-4.69/-4.20	-6.33/-2.44	-6.25/-7.43	-4.98/-4.73	-2.60/-2.17	-6.04/-4.52	-3.03/-9.19	-5.08/-0.94	-2.53/-1.32	-2.26/-2.29	-4.45/-2.81	-2.44/-2.59	-2.68/-2.24	
Θ (112.5°)	-2.58/-4.51	-4.45/-4.89	-6.42/-4.84	-5.79/-6.69	-4.68/-3.85	-4.80/-4.44	-6.73/-3.64	-3.58/-6.29	-5.52/-5.69	-4.26/-9.45	-4.63/-9.78	-9.71/-7.46	-9.29/-4.67	-7.46/-7.55	-7.49/-6.71	-4.51/-6.94	-8.72/-4.33	-4.38/-11.77	-8.88/-2.75	-3.63/-2.57	-3.22/-8.17	-5.85/-3.12	-2.90/-3.68	-4.18/-4.09
Θ (120°)	-6.16/-4.96	-5.67/-6.47	-6.46/-9.01	-5.94/-5.07	-7.61/-9.01	-7.95/-6.14	-6.56/-7.49	-8.30/-8.13	-10.11/-10.41	-10.01/-5.19	-3.75/-7.93	-10.70/-10.57	-4.78/-5.60	-8.31/-9.00	-7.33/-5.96	-5.33/-7.11	-6.93/-5.27	-4.54/-7.65	-6.26/-2.55	-2.81/-2.81	-3.27/-6.61	-8.73/-5.08	-3.64/-4.86	-5.68/-6.66
Θ (127.5°)	-7.93/-6.86	-7.40/-9.26	-6.15/-9.07	-8.96/-6.02	-5.49/-7.92	-8.69/-9.59	-6.61/-7.78	-8.23/-10.39	-12.52/-11.54	-10.05/-5.92	-5.66/-7.49	-10.74/-6.73	-2.38/-7.55	-8.52/-13.93	-12.50/-4.38	-6.16/-6.66	-3.76/-6.04	-5.75/-7.77	-6.34/-2.05	-2.27/-3.79	-4.08/-10.40	-4.86/-5.76	-2.51/-4.59	-5.83/-5.65
Θ (135°)	-6.02/-8.88	-5.10/-5.22	-10.92/-9.64	-6.68/-10.40	-9.80/-6.95	-6.71/-8.34	-9.90/-7.87	-6.13/-7.24	-13.24/-11.24	-9.83/-11.50	-11.15/-10.70	-12.47/-11.64	-5.42/-9.80	-10.77/-12.62	-6.92/-8.80	-14.61/-6.54	-3.47/-8.75	-9.91/-9.00	-5.79/-5.26	-1.88/-6.29	-6.62/-13.91	-9.46/-7.59	-3.72/-4.36	-8.61/-5.23
Θ (142.5°)	-6.24/-8.34	-12.52/-10.19	-11.80/-9.22	-8.71/-9.35	-8.40/-9.70	-15.94/-13.69	-11.99/-15.98	-11.10/-10.34	-13.20/-13.04	-10.00/-8.42	-6.91/-6.46	-7.47/-10.92	-6.04/-8.54	-9.83/-12.09	-8.63/-12.09	-8.62/-6.10	-6.37/-6.64	-9.33/-9.74	-6.83/-6.16	-3.67/-5.54	-8.33/-10.15	-11.93/-5.81	-6.13/-7.47	-10.74/-9.56
Θ (150°)	-11.16/-13.31	-13.51/-12.14	-8.90/-8.26	-11.19/-15.46	-12.64/-12.44	-15.27/-10.39	-8.10/-11.37	-12.85/-11.20	-8.89/-8.10	-8.05/-8.30	-9.99/-13.73	-15.91/-13.72	-11.15/-10.48	-10.37/-7.13	-9.68/-10.32	-4.62/-6.50	-8.21/-8.89	-11.19/-12.90	-9.74/-7.40	-5.32/-5.47	-7.54/-8.39	-9.96/-9.69	-8.06/-7.10	-8.20/-10.32
Θ (157.5°)	-11.88/-10.67	-10.18/-9.84	-10.70/-13.63	-13.10/-10.25	-8.45/-9.44	-13.99/-15.83	-12.76/-10.18	-9.26/-9.90	-11.78/-11.92	-11.15/-11.13	-12.12/-14.11	-10.53/-8.39	-10.38/-9.50	-6.61/-6.42	-8.77/-9.96	-8.29/-7.56	-7.91/-9.08	-10.61/-10.99	-10.84/-10.01	-9.22/-8.82	-8.70/-7.66	-7.35/-6.80	-6.99/-7.60	-9.17/-11.46
Θ (165°)	-12.02/-13.46	-12.27/-10.51	-9.51/-7.90	-6.65/-6.47	-7.18/-6.88	-13.70/-15.78	-13.66/-13.23	-11.89/-11.41	-14.26/-14.31	-13.64/-12.51	-11.56/-10.79	-10.69/-11.14	-12.92/-11.27	-9.40/-10.07	-10.79/-10.81	-10.11/-9.07	-8.96/-9.16	-9.16/-8.05	-7.44/-6.97	-6.51/-6.60	-6.35/-6.94	-7.07/-7.46	-7.40/-8.22	-9.76/-11.24
Θ (172.5°)	-7.67/-8.67	-8.43/-8.61	-8.81/-8.82	-9.65/-11.22	-12.12/-14.99	-16.24/-15.37	-14.57/-13.35	-12.37/-11.38	-11.16/-11.62	-11.02/-10.96	-12.18/-14.10	-13.82/-12.97	-11.87/-11.66	-11.28/-10.43	-9.85/-8.85	-7.77/-7.26	-7.54/-7.64	-8.19/-7.81	-7.78/-7.91	-9.27/-10.17	-9.22/-5.16	-6.16/-5.55	-5.32/-6.86	-6.84/-7.00
Θ (180°)	-13.42/-12.92	-13.11/-12.71	-11.37/-11.78	-12.94/-13.54	-12.48/-12.34	-11.81/-11.84	-11.51/-12.12	-12.55/-12.63	-11.77/-11.08	-10.67/-10.37	-10.20/-9.08	-8.36/-8.68	-8.92/-9.15	-9.56/-10.83	-11.40/-10.35	-9.33/-9.05	-9.25/-9.10	-10.26/-9.72	-9.81/-10.01	-9.97/-9.18	-9.20/-9.76	-9.66/-10.28	-10.80/-11.82	-12.17/-13.19
Freq(Hz)	5.6GPol.	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°)	-6.69/-6.48	-6.89/-7.24	-7.85/-8.89	-9.32/-9.07	-8.30/-8.04	-8.92/-8.31	-8.21/-7.95	-8.72/-9.46	-9.12/-8.03	-7.79/-8.61	-8.92/-8.36	-8.22/-9.07	-9.87/-8.46	-7.82/-7.96	-7.95/-7.64	-7.81/-8.05	-7.84/-7.28	-6.59/-7.23	-6.81/-6.90	-7.20/-7.46	-7.97/-7.56	-7.23/-7.38	-7.32/-6.70	-6.31/-6.07
Θ (7.5°)	-6.83/-6.49	-6.75/-7.40	-8.32/-8.78	-8.17/-6.88	-6.46/-6.48	-6.65/-6.20	-6.09/-5.58	-5.07/-4.96	-5.15/-4.63	-4.15/-4.36	-5.31/-6.22	-5.85/-5.36	-5.73/-6.52	-6.47/-7.75	-9.65/-10.82	-11.66/-12.09	-12.27/-12.26	-11.25/-10.63	-9.59/-9.89	-8.58/-8.61	-9.46/-9.89	-9.60/-10.13	-9.75/-8.81	-7.69/-6.56
Θ (15°)	-5.79/-6.88	-6.24/-4.72	-5.76/-6.94	-6.89/-5.69	-5.52/-4.99	-5.30/-6.29	-6.81/-6.10	-5.68/-6.45	-5.58/-4.88	-3.93/-3.35	-3.68/-3.55	-3.16/-3.15	-3.34/-3.48	-3.32/-4.16	-6.00/-8.19	-10.28/-11.83	-10.68/-8.33	-7.31/-7.13	-7.42/-7.46	-8.18/-8.79	-6.54/-8.37	-5.97/-7.14	-7.51/-8.07	-8.16/-6.72
Θ (22.5°)	-5.85/-5.35	-5.38/-4.60	-4.89/-5.52	-5.25/-4.26	-3.02/-2.68	-4.11/-6.32	-7.17/-5.85	-5.11/-5.10	-5.48/-5.24	-4.36/-3.24	-2.61/-2.59	-3.24/-4.28	-4.58/-4.30	-3.21/-3.35	-4.46/-5.03	-5.57/-6.33	-6.16/-3.95	-2.68/-2.49	-3.40/-3.70	-4.29/-4.01	-3.71/-4.23	-4.85/-5.73	-6.13/-5.92	-5.45/-5.73
Θ (30°)	-4.76/-4.74	-4.44/-3.42	-2.34/-2.28	-3.45/-4.23	-2.52/-2.16	-4.29/-7.29	-8.28/-6.83	-6.49/-6.70	-5.52/-4.35	-2.56/-2.28	-1.54/-1.43	-1.60/-1.64	-1.85/-3.08	-4.03/-4.97	-5.54/-4.12	-1.73/-0.23	-0.26/-0.28	-0.150.41	0.33/-0.00	0.150.00	-0.96/-2.52	-4.04/-0.57	-5.01/-4.81	-4.38/-4.67

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 $\Theta(0-180)\Phi(270)$







Antenna Pattern of 6GHz

Appendix B.2

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°)	-3.17/-3.36	-3.33/-3.41	-3.57/-3.38	-2.88/-2.64	-2.67/-2.93	-3.52/-3.57	-2.80/-2.88	-2.64/-2.32	-1.93/-1.79	-1.65/-1.65	-1.88/-2.36	-2.95/-3.03	-2.87/-2.67	-3.05/-3.15	-2.90/-2.98	-2.69/-2.95	-3.52/-3.32	-2.80/-3.09	-3.47/-3.94	-3.46/-3.08	-3.13/-2.68	-3.40/-4.34	-4.18/-3.69	-3.34/-3.42
Θ(7.5°)	-3.72/-4.64	-3.10/-5.28	-6.29/-6.58	-5.33/-4.71	-4.69/-4.38	-5.43/-5.56	-4.81/-3.96	-4.37/-3.40	-3.82/-4.62	-3.82/-4.60	-4.49/-4.74	-6.05/-6.38	-6.24/-5.63	-5.82/-6.17	-4.08/-5.85	-4.91/-4.16	-4.85/-4.99	-3.38/-2.85	-3.43/-3.85	-2.89/-2.08	-2.55/-2.58	-3.36/-4.79	-5.49/-6.22	-5.43/-4.26
Θ(15°)	-3.34/-3.01	-2.70/-3.30	-4.54/-4.76	-4.86/-5.45	-5.68/-5.38	-4.68/-5.11	-5.64/-4.64	-3.86/-4.06	-3.92/-4.12	-5.31/-5.80	-4.98/-3.79	-3.59/-3.30	-2.44/-2.96	-4.23/-4.55	-5.34/-6.38	-6.06/-5.56	-6.04/-6.97	-8.11/-8.49	-7.64/-5.51	-4.80/-3.93	-4.00/-4.89	-4.85/-4.43	-3.42/-2.84	-2.03/-3.09
Θ(22.5°)	-2.41/-3.14	-4.02/-4.35	-3.81/-4.11	-4.91/-3.83	-3.20/-3.57	-4.39/-3.32	-3.86/-4.3	-3.62/-5.21	-4.14/-2.21	-2.20/-2.00	-1.89/-2.10	-2.73/-3.24	-3.75/-4.27	-3.72/-2.71	-3.24/-3.59	-3.20/-3.14	-2.82/-1.65	-2.14/-2.69	-3.66/-4.12	-4.48/-3.35	-2.57/-3.95	-3.70/-3.00	-2.63/-2.27	-2.17/-2.13
Θ(30°)	-1.18/-1.28	-2.91/-5.30	-6.66/-5.44	-4.99/-4.49	-2.65/-2.54	-3.69/-2.06	-1.75/-2.36	-1.35/-3.03	-0.60/-0.52	-0.60/-1.54	-1.72/-0.28	-0.02/-0.35	-0.12/-0.16	-1.20/-1.40	-0.21/-0.45	-0.01/-0.46	-0.01/-0.52	-0.77/-0.97	-0.61/-0.52	-0.06/-1.83	-2.43/-2.33	-3.11/-3.03	-2.79/-2.27	
Θ(37.5°)	-0.87/-1.41	-2.49/-2.16	-1.59/-2.10	-2.75/-2.91	-1.30/-1.24	-2.10/-1.69	-0.74/-1.44	-1.05/-1.73	-2.21/-0.65	-0.12/-0.67	-1.04/-0.23	-0.76/-0.41	-0.91/-2.46	-3.20/-1.44	-0.46/-0.56	-1.44/-2.27	-1.84/-1.61	-1.24/-0.73	-0.74/-0.56	-0.32/-0.48	-1.08/-1.02	-0.12/-1.21	-1.50/-0.53	-0.52/-0.91
Θ(45°)	-0.37/-0.58	-1.28/-0.10	-1.46/-1.72	-1.75/-1.59	-1.61/-0.44	-2.55/-3.47	-1.52/-0.91	-1.10/-1.32	-1.43/-0.29	-0.48/-0.56	-1.45/-1.78	-0.27/-1.03	-0.16/-0.14	-0.17/-0.43	-1.13/-2.42	-2.82/-3.39	-2.66/-4.02	-0.17/-0.08	-1.20/-0.67	-0.87/-0.38	-0.90/-1.29	-1.62/-1.02	-1.50/-1.09	-1.71/-1.74
Θ(52.5°)	-1.60/-1.09	-0.62/-0.03	-1.50/-0.25	-3.12/-2.79	-1.55/-0.57	-0.82/-3.14	-1.85/-0.18	-0.05/-1.11	-0.78/-1.50	-0.19/-1.56	-1.57/-0.88	-0.63/-0.84	-0.13/-0.78	-0.42/-0.41	-0.89/-1.02	-2.85/-2.53	-2.72/-1.67	-0.54/-1.49	-2.21/-3.30	-0.53/-1.75	-2.41/-1.28	-1.09/-0.80	-2.30/-1.75	-0.38/-0.30
Θ(60°)	-1.44/-1.17	-1.30/-3.27	-4.75/-4.16	-4.22/-2.43	-0.40/-0.81	-0.38/-1.48	-1.96/-0.41	-1.51/-0.57	-0.60/-1.59	-0.56/-2.01	-2.70/-1.38	-1.70/-2.07	-0.43/-0.66	-0.03/-1.81	-0.69/-1.83	-1.28/-0.65	-1.00/-1.49	-1.29/-0.21	-1.16/-3.01	-1.94/-2.00	-2.54/-1.07	-0.25/-0.61	-1.94/-1.30	-0.40/-1.29
Θ(67.5°)	-2.37/-0.46	-1.36/-4.54	-6.05/-5.21	-4.70/-2.89	-1.50/-1.60	-0.20/-0.89	-2.83/-0.69	-1.42/-1.87	-0.55/-0.86	-0.39/-1.71	-3.14/-0.95	-2.39/-0.14	-1.64/-1.10	-0.04/-0.29	-2.41/-2.72	-2.35/-0.88	-0.89/-1.43	-0.55/-0.32	-0.47/-1.87	-1.46/-0.21	-1.93/-0.33	-0.23/-0.19	-0.46/-0.18	-1.38/-1.08
Θ(75°)	-1.76/-0.04	-0.02/-3.28	-6.02/-6.18	-4.38/-3.22	-3.18/-1.89	-0.80/-1.36	-2.56/-0.57	-0.92/-2.46	-1.77/-0.64	-0.03/-1.37	-3.37/-1.63	-2.27/-0.42	-1.21/-1.40	-0.58/-0.23	-2.27/-2.33	-1.48/-0.46	-1.00/-1.09	-0.88/-1.56	-1.63/-0.20	-2.87/-1.04	-0.40/-1.14	-0.89/-0.01	-1.33/-0.41	-0.26/-0.26
Θ(82.5°)	-0.85/-1.93	-1.79/-2.37	5.65/-6.37	-4.28/-2.84	-2.95/-1.05	-2.97/-1.14	-1.94/-0.98	-0.78/-1.45	-1.60/-0.77	-0.13/-1.05	-3.18/-0.95	-2.02/-1.01	-0.30/-1.57	-0.54/-0.20	-2.43/-2.26	-0.40/-1.17	-0.71/-2.02	-1.58/-2.52	-2.18/-1.70	-1.26/-1.72	-0.72/-2.87	-1.84/-1.12	-1.01/-0.15	-1.40/-0.09
Θ(90°)	-0.11/-3.63	-1.26/-0.55	-4.52/-0.07	-2.78/-1.22	-0.99/-1.21	-1.75/-3.09	-2.00/-1.61	-0.11/-0.08	-0.61/-0.90	-0.69/-0.24	-2.28/-1.21	-1.41/-0.08	-0.09/-1.02	-0.95/-0.29	-1.90/-1.72	-2.22/-1.82	-0.29/-1.96	-1.69/-2.15	-2.21/-1.60	-1.96/-2.03	-1.39/-1.52	-1.55/-1.40	-0.89/-0.28	-2.57/-1.28
Θ(97.5°)	-2.50/-6.90	-4.33/-3.62	-1.57/-2.03	-0.10/-0.13	-1.27/-1.38	-1.98/-3.98	-3.97/-2.49	-0.54/-0.53	-0.31/-2.79	-2.08/-2.08	-1.30/-0.03	-0.10/-0.70	-0.37/-0.03	-0.37/-0.25	-1.03/-1.63	-3.02/-1.36	-0.62/-0.41	-0.68/-0.12	-0.22/-1.14	-5.10/-0.47	-2.04/-1.64	-0.39/-0.61	-3.12/-2.49	-3.55/-0.84
Θ(105°)	-5.81/-9.50	-12.46/-10.33	-1.71/-1.34	-2.55/-4.67	-7.25/-4.63	-3.47/-4.86	-5.02/-3.58	-1.75/-1.03	-1.93/-3.93	-3.10/-0.88	-0.61/-0.30	-1.52/-0.20	-1.13/-0.25	-0.07/-1.68	-0.90/-1.27	-2.42/-1.46	-2.82/-0.03	-0.23/-1.93	-2.31/-2.12	-6.78/-1.54	-2.11/-7.68	-6.21/-4.05	-6.26/-5.51	-5.17/-1.28
Θ(112.5°)	-5.61/-6.71	-9.92/-6.36	-1.10/-1.11	-1.65/-3.93	-7.37/-8.04	-8.56/-8.30	-7.84/-3.84	-3.29/-4.11	-5.20/-6.12	-4.65/-2.91	-2.11/-1.91	-0.64/-1.68	-1.13/-0.63	-2.27/-1.36	-1.61/-0.38	-1.78/-3.33	-1.90/-1.25	-1.21/-2.45	-3.17/-4.37	-5.84/-1.76	-3.65/-10.63	-7.71/-3.92	-10.03/-10.31	-8.51/-2.99
Θ(120°)	-6.67/-4.37	-10.68/-7.66	-4.90/-1.32	-2.85/-1.33	-5.39/-6.70	-7.46/-10.64	-7.76/-6.70	-5.08/-6.12	-6.55/-6.05	-4.79/-4.96	-4.85/-4.76	-1.75/-4.20	-1.88/-2.42	-5.16/-1.56	-2.19/-0.74	-2.89/-5.64	-6.18/-1.53	-1.55/-0.49	-3.49/-5.52	-10.63/-3.27	-2.41/-5.21	-6.49/-4.08	-6.17/-6.92	-9.64/-8.38
Θ(127.5°)	-5.88/-8.84	-15.72/-10.83	-11.38/-7.50	-3.89/-5.70	-11.09/-14.56	-14.42/-13.85	-8.86/-12.05	-6.51/-12.90	-7.34/-6.08	-5.86/-7.11	-6.79/-4.13	-4.70/-3.80	-2.68/-4.94	-2.27/-4.00	-0.82/-0.77	-0.24/-3.29	-8.92/-0.95	-3.89/-2.25	-1.94/-3.37	-9.24/-3.78	-9.41/-1.02	-15.69/-15.66	-13.41/-10.98	
Θ(135°)	-6.57/-5.96	-5.60/-6.31	-5.82/-4.28	-3.91/-7.40	-13.22/-11.62	-11.66/-9.10	-8.42/-9.75	-9.81/-8.86	-6.50/-5.74	-10.94/-6.83	-6.67/-6.73	-6.65/-3.34	-3.80/-6.25	-3.79/-6.72	-3.40/-0.76	-0.10/-4.03	-9.20/-6.08	-3.40/-4.10	-0.89/-6.41	-11.90/-2.71	-0.04/-0.05	-4.61/-11.64	-6.89/-6.88	-12.32/-12.23
Θ(142.5°)	-4.39/-6.87	-7.98/-9.47	-11.59/-14.20	-11.49/-10.48	-9.31/-10.46	-13.39/-8.88	-7.78/-12.97	-8.18/-7.99	-9.84/-5.77	-6.96/-5.92	-8.64/-6.62	-1.79/-3.93	-5.98/-1.62	-1.81/-4.41	-2.31/-0.75	-2.73/-8.37	-9.93/-4.69	-2.89/-2.49	-3.55/-3.98	-6.23/-4.21	-0.30/-0.56	-3.40/-11.58	-12.34/-5.15	-9.52/-8.47
Θ(150°)	-12.96/-12.67	-15.23/-15.43	-11.37/-12.50	-10.50/-8.41	-9.13/-12.25	-15.38/-9.11	-8.77/-13.64	-10.40/-10.40	-16.02/-7.34	-8.82/-12.13	-6.05/-4.69	-6.81/-7.44	-3.77/-3.57	-3.77/-4.55	-3.06/-5.08	-4.66/-6.16	-0.90/-7.62	-8.53/-5.24	-4.41/-10.58	-15.31/-10.00	-6.25/-7.99	-5.69/-2.46	-5.92/-6.08	
Θ(157.5°)	-10.35/-11.32	-10.17/-10.25	-10.23/-10.15	-15.02/-15.35	-12.81/-10.13	-8.62/-9.73	-9.90/-8.00	-6.66/-6.67	-10.61/-11.11	-9.16/-12.16	-8.80/-9.40	-10.15/-9.63	-9.00/-8.83	-8.49/-8.11	-6.31/-4.12	-3.10/-4.69	-5.04/-4.89	-6.53/-8.08	-7.99/-6.83	-6.71/-6.71	-9.14/-8.42	-6.24/-5.46	-6.16/-6.05	-5.29/-7.51
Θ(165°)	-12.49/-14.79	-12.95/-11.79	-11.00/-9.06	-8.33/-10.09	-11.08/-11.75	-11.17/-10.52	-8.79/-3.74	-6.89/-6.24	-7.13/-7.34	-6.34/-6.68	-8.80/-6.16	-11.90/-11.39	-12.18/-12.19	-10.23/-8.71	-6.30/-4.15	-4.20/-4.09	-3.73/-5.62	-6.18/-4.39	-2.94/-3.00	-4.65/-8.11	-11.35/-11.41	-9.51/-9.86	-12.98/-14.17	-12.41/-12.66
Θ(172.5°)	-12.65/-13.00	-11.08/-11.40	-10.31/-10.25	-8.99/-6.87	-6.31/-6.38	-5.91/-4.82	-7.84/-8.11	-6.51/-6.22	-7.33/-7.11	-6.75/-6.22	-6.36/-6.18	-5.33/-5.36	-5.95/-6.06	-7.22/-6.32	-6.25/-5.13	-3.26/-3.95	-1.86/-4.85	-5.81/-8.46	-11.86/-13.85	-14.92/-13.22	-15.69/-15.66	-13.41/-10.98		
Θ(180°)	-8.45/-8.39	-8.87/-8.48	-8.06/-9.03	-8.62/-8.64	-8.02/-7.99	-8.26/-8.71	-8.60/-8.84	-9.32/-9.40	-8.80/-8.19	-8.22/-8.50	-7.12/-7.15	-7.38/-8.51	-8.08/-7.14	-7.19/-7.34	-7.15/-5.80	-5.35/-5.87	-5.85/-6.58	-7.78/-8.60	-9.97/-12.54	-14.47/-15.00	-13.13/-12.94	-13.59/-12.71	-12.04/-11.93	-11.81/-10.98
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°)	-3.64/-3.95	-3.67/-3.81	-4.70/-5.57	-4.61/-4.85	-4.52/-4.82	-4.98/-4.69	-4.08/-3.87	-3.86/-3.91	-3.08/-3.63	-3.63/-3.45	-3.22/-2.88	-2.96/-2.90	-3.86/-3.36	-3.70/-3.93	-4.23/-5.00	-4.45/-4.29	-4.18/-4.12	-3.71/-3.93	-4.04/-3.78	-4.21/-4.16	-4.48/-4.46	-4.33/-3.82	-3.68/-4.58	-4.86/-4.05
Θ(7.5°)	-4.74/-4.26	-4.07/-4.15	-3.37/-3.72	-4.33/-4.25	-4.33/-4.72	-5.52/-5.14	-4.58/-5.56	-6.83/-7.26	-7.29/-7.95	-7.36/-6.59	-5.62/-4.50	-4.86/-4.82	-5.55/-6.81	-6.46/-6.64	-7.72/-7.98	-7.80/-10.20	-9.49/-8.32	-9.61/-7.50	-5.36/-4.50	-3.71/-4.22	-3.42/-2.71	-2.53/-2.27	-2.66/-3.15	-3.27/-5.00
Θ(15°)	-2.89/-3.20	-5.17/-5.86	-5.77/-5.79	-6.74/-6.46	-6.51/-6.71	-6.41/-5.72	-4.53/-4.04	-4.99/-4.09	-5.08/-5.81	-5.40/-4.59	-3.81/-2.75	-3.66/-4.66	-4.51/-5.45	-5.24/-4.57	-4.85/-4.24	-3.15/-4.39	-6.63/-6.38	-7.12/-7.61	-6.38/-5.71	-4.11/-3.25	-3.47/-3.95	-3.88/-3.88	-4.64/-3.54	
Θ(22.5°)	-2.40/-3.14	-3.10/-3.92	-4.20/-4.57	-3.84/-3.87	-3.36/-3.67	-3.88/-4.95	-5.84/-6.55	-6.84/-4.69	-3.63/-3.66	-4.33/-3.68	-2.50/-1.88	-1.56/-1.20	-0.68/-1.12	-1.72/-2.30	-3.51/-3.57	-5.12/-4.88	-3.20/-4.76	-4.60/-3.05	-2.63/-3.58	-4.41/-4.25	-3.38/-2.78	-4.05/-3.97	-2.53/-1.61	-2.55/-2.53
Θ(30°)	-0.61/-1.4	-1.86/-1.33	-1.31/-1.89	-2.86/-1.5	-4.47/-0.47	-2.93/-2.84	-3.57/-3.03	-3.99/-3.69	-2.91/-3.50	-4.03/-1.66	-0.12/-0.69	-0.01/-0.66	-0.38/-1.07	-1.26/-0.35	-0.18/-0.70	-0.42/-0.28	-0.45/-0.21	-1.10/-1.17	-1.31/-1.39	-2.12/-1.84	-0.28/-0.40	-1.24/-1.35	-1.67/-1.56	-0.27/-1.23
Θ(37.5°)	-0.55/-0.71	-0.26/-1.7	-0.65/-1.36	-2.04/-1.89	-2.82/-3.09	-1.74/-1.09	-1.02/-1.23	-2.46/-2.60	-1.06/-1.13	-0.25/-0.44	-0.16/-0.85	-2.20/-2.64	-0.76/-0.45	-0.83/-1.83	-2.91/-2.04	-1.37/-0.86	-1.20/-0.19	-1.16/-1.48	-0.55/-1.16	-0.39/-0.55	-0.95/-0.94	-0.97/-0.38	-1.06/-1.33	
Θ(45°)	-0.530/20	-0.431/03	-1.84/2.41	-1																				



Antenna Pattern of 6GHz

Appendix B.2

Θ(22.5°)	0.731/39	1.821/98	2.142/57	3.003/42	3.753/84	3.623/20	2.511/78	1.321/54	2.393/09	3.653/91	4.164/60	4.814/58	3.98/46	3.433/52	3.432/91	1.961/11	0.741/23	2.162/98	3.555/97	4.234/25	3.823/24	2.802/32	1.610/90	0.050/01
Θ(30°)	3.253/39	3.783/42	2.882/65	2.271/79	1.902/32	2.923/11	2.742/38	2.482/87	2.852/42	2.212/50	2.993/09	3.012/60	1.601/14	1.882/42	2.532/66	2.311/73	1.301/67	2.433/01	3.233/47	3.673/82	3.492/85	2.251/72	1.331/40	1.772/42
Θ(142.5°)	2.102/18	1.871/54	1.852/08	1.791/22	1.140/91	1.391/78	1.451/22	2.152/93	2.671/23	-0.080/49	1.982/22	1.991/51	1.151/41	1.942/05	2.493/21	2.771/96	0.900/61	1.352/36	2.692/65	2.782/88	2.893/22	3.232/51	0.871/01	1.817/67
Θ(45°)	0.970/89	1.190/85	1.532/08	2.251/80	0.781/02	0.551/22	0.481/04	0.771/98	1.511/027	-1.551/050	0.741/31	0.990/72	0.701/27	1.501/70	2.352/82	2.001/60	1.301/18	1.582/58	2.681/87	1.651/85	1.591/66	2.332/37	2.321/37	0.480/92
Θ(52.5°)	0.460/39	0.350/11	0.080/35	0.560/03	-0.851/121	-0.270/23	-0.021/087	-0.500/80	0.591/082	-1.501/055	0.580/86	0.510/52	0.581/12	1.221/49	1.301/75	2.162/69	2.071/51	1.251/89	1.530/39	0.280/71	0.450/50	1.080/71	0.730/23	0.040/32
Θ(60°)	-1.201/11	-0.781/06	-0.421/24	-3.351/422	-4.221/273	-2.331/142	0.040/61	0.020/89	1.550/80	0.201/029	0.190/59	0.851/33	1.291/46	1.832/19	1.140/94	2.172/60	2.491/84	0.680/39	0.011/46	-0.931/092	-0.141/121	-0.160/67	-2.371/345	-1.741/127
Θ(67.5°)	-3.821/225	-0.681/06	1.131/144	-3.981/482	-3.871/236	-2.511/113	0.611/92	0.851/22	2.291/38	0.740/49	0.210/03	0.511/63	1.642/34	2.191/69	0.430/76	1.550/52	1.841/23	0.971/28	0.611/042	-0.891/229	-2.031/044	-0.211/073	-1.711/279	-2.011/237
Θ(75°)	-3.181/156	-0.810/73	1.570/28	-2.251/327	-2.561/233	-1.221/067	-0.041/80	1.351/05	1.981/28	0.150/05	-0.441/14	-0.610/12	0.691/92	1.691/33	-0.031/013	0.141/180	1.120/57	0.741/75	1.871/37	0.301/253	-1.430/57	0.111/065	-0.281/091	-1.941/234
Θ(82.5°)	-4.471/123	-1.061/031	0.291/00	-1.401/271	-2.801/041	-1.741/154	-1.930/40	0.590/82	1.280/50	-0.691/087	-1.501/241	-2.671/145	-0.420/44	-0.110/12	-0.201/135	-2.961/401	0.490/41	-0.060/96	1.121/50	0.681/295	-1.280/01	-1.021/234	-0.711/039	-2.631/033
Θ(90°)	-6.781/429	-2.111/155	-2.251/272	-3.381/352	-3.601/502	-2.441/552	-6.531/365	-1.561/076	-1.131/203	-3.081/321	-3.701/427	-3.821/276	-2.391/252	-2.000/02	-1.801/346	-5.551/574	-1.341/120	-1.790/23	0.591/21	0.501/255	-0.831/031	-1.951/465	-3.231/221	-4.401/424
Θ(97.5°)	-7.321/646	-4.471/386	-4.631/462	-5.051/606	-5.361/647	-3.301/709	-8.651/595	-2.971/262	-3.811/446	-5.761/523	-5.311/583	-5.651/531	-4.351/379	-3.821/150	-4.471/576	-8.061/878	-4.001/375	-4.151/094	-1.821/104	-1.371/400	-2.561/291	-4.471/744	-5.101/388	-6.551/574
Θ(105°)	-12.611/1025	-6.161/051	-6.291/666	-7.451/921	-7.621/822	-5.001/826	-12.981/761	-4.751/491	-5.881/605	-8.621/683	-6.961/665	-7.511/911	-6.301/568	-5.671/442	-7.151/694	-8.001/1028	-10.401/919	-6.381/266	-6.161/512	-4.141/744	-8.821/744	-8.631/1451	-10.341/844	-8.821/724
Θ(112.5°)	-13.381/969	-8.991/911	-8.721/800	-9.481/886	-11.001/802	-7.911/1289	-13.001/837	-7.901/821	-6.121/704	-8.831/856	-9.121/1043	-9.511/935	-7.721/875	-8.231/620	-7.101/907	-9.021/1079	-12.811/288	-10.681/704	-9.721/873	-8.481/1074	-10.901/897	-10.911/1275	-11.441/851	-10.001/944
Θ(120°)	-14.811/1230	-14.761/1012	-7.541/782	-9.641/1264	-11.281/1196	-11.191/1127	-14.891/1027	-7.901/785	-9.031/1045	-11.071/1161	-10.731/1201	-11.921/1048	-9.191/1021	-9.611/827	-8.841/970	-13.271/1258	-10.591/841	-8.531/596	-8.291/781	-7.381/1025	-8.131/112	-12.051/922	-12.861/1278	-15.781/1151
Θ(127.5°)	-14.401/1353	-14.551/1303	-12.691/1234	-11.591/1147	-10.841/1044	-12.971/1539	-13.421/954	-9.341/1028	-9.901/1099	-13.931/1468	-13.411/1186	-12.471/1216	-12.551/1167	-11.311/1014	-13.851/1325	-13.461/1428	-12.761/1156	-10.781/842	-8.531/974	-11.401/866	-8.141/96	-10.751/1595	-12.411/783	-13.511/1334
Θ(135°)	-13.761/1518	-15.061/1456	-13.511/1163	-11.901/1150	-13.321/1324	-13.031/1327	-15.351/1509	-12.371/1260	-11.511/1205	-13.911/1585	-14.761/1533	-15.191/1385	-12.251/1296	-14.161/971	-11.391/1386	-13.201/1146	-14.911/1525	-15.061/1514	-11.221/1239	-15.451/1480	-12.981/1488	-10.931/1369	-13.721/1332	-15.171/1572
Θ(142.5°)	-14.761/1509	-15.521/1518	-15.041/1472	-14.761/1538	-14.761/1593	-13.461/1192	-13.031/1219	-11.371/1286	-14.431/1342	-14.901/1573	-15.651/1500	-13.601/1327	-15.001/1411	-14.451/1230	-12.161/1440	-15.641/1437	-15.951/1512	-9.431/1177	-13.391/1380	-13.821/1366	-13.241/1555	-14.331/1511	-14.811/1541	-14.901/1539
Θ(150°)	-13.411/1502	-14.531/1491	-13.741/1478	-15.061/1484	-16.001/1551	-15.091/1425	-13.901/1207	-11.681/1315	-16.231/1634	-14.951/1471	-15.691/1550	-15.421/1477	-15.091/1404	-15.311/1461	-15.911/1507	-14.521/1426	-15.481/1521	-15.481/1273	-9.911/996	-11.881/1310	-15.491/1528	-15.101/1583	-14.761/1535	
Θ(157.5°)	-14.631/1402	-12.801/1384	-13.651/1570	-15.021/1545	-15.711/1513	-15.351/1595	-15.131/1531	-16.041/1489	-15.131/1497	-15.111/1524	-14.781/1511	-15.111/1422	-15.211/1500	-15.021/1334	-13.561/1524	-14.901/1534	-12.921/1230	-12.171/1336	-15.491/1531	-15.061/1455	-14.201/1557	-15.631/1533	-14.151/1088	-11.301/1423
Θ(165°)	-15.161/1203	-12.121/1249	-14.451/1424	-12.751/1479	-15.051/1521	-14.311/1300	-12.871/1504	-14.861/1601	-15.211/1563	-15.361/1489	-15.311/1537	-15.251/1547	-15.151/1501	-15.561/1537	-15.091/1553	-15.521/1504	-14.841/1471	-15.251/1592	-15.631/1546	-15.551/1424	-13.751/1533	-15.501/1411	-14.741/1409	-14.881/1556
Θ(172.5°)	-15.141/1505	-15.511/1577	-15.471/1495	-15.791/1508	-15.431/1489	-14.191/1345	-14.091/1423	-15.111/1581	-14.971/1583	-15.321/1520	-14.921/1521	-14.901/1512	-15.501/1556	-14.981/1590	-14.201/1373	-13.691/1472	-15.881/1503	-15.101/1580	-15.211/1582	-14.881/1510	-15.171/1529	-14.881/1542	-15.621/1496	
Θ(180°)	-15.151/1505	-15.091/1525	-15.131/1574	-15.331/1536	-14.111/1427	-15.081/1493	-14.831/1452	-14.591/1479	-14.791/1533	-15.991/1559	-15.131/1555	-14.771/1516	-15.741/1557	-15.191/1609	-15.081/1502	-15.001/1398	-14.341/1458	-15.021/1342	-12.111/1160	-12.781/1475	-15.251/1589	-15.781/1523	-14.591/1286	-12.491/1439
Freq(Hz)	6.4750Pol.	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°)	4.754/78	4.754/68	4.624/63	4.704/75	4.734/63	4.604/50	4.504/41	4.273/99	3.803/68	3.734/02	4.244/42	4.504/58	4.714/90	5.065/14	5.024/90	4.714/63	4.624/64	4.624/50	4.374/29	4.123/98	3.964/03	4.024/00	3.873/90	4.274/59
Θ(7.5°)	5.575/45	5.154/79	4.464/14	3.963/74	3.523/39	3.253/24	3.310/33	3.393/52	3.733/92	4.334/63	4.895/05	5.175/40	5.455/38	5.295/23	5.074/93	4.664/42	4.294/33	4.404/51	4.644/81	5.035/08	5.205/31	5.415/52	5.445/24	5.265/51
Θ(15°)	4.594/39	4.244/15	4.284/46	4.474/30	3.993/43	2.852/31	3.153/87	4.384/75	5.175/43	5.734/65	5.675/74	5.457/48	5.475/27	4.924/58	4.273/89	3.563/42	3.433/62	4.054/70	5.295/63	5.875/93	5.885/69	5.384/92	4.604/64	
Θ(22.5°)	0.460/86	1.722/24	2.923/99	4.684/86	4.834/41	3.763/15	2.672/71	3.113/41	3.503/57	3.743/90	4.114/03	3.623/04	2.773/05	3.764/43	4.704/79	4.604/23	3.673/26	2.912/82	3.083/71	4.324/81	4.954/95	4.834/43	3.682/62	1.360/56
Θ(30°)	3.133/73	4.334/43	4.294/26	4.153/90	3.793/57	3.032/80	2.833/08	3.403/28	2.802/45	2.673/12	3.503/36	2.822/50	2.632/94	3.243/73	4.104/41	4.464/29	3.823/69	3.924/10	4.134/26	4.334/12	3.773/29	3.303/90	4.363/90	2.812/43
Θ(37.5°)	2.983/53	3.593/57	3.933/99	3.312/72	2.382/20	2.442/92	3.334/06	4.844/28	2.991/98	2.543/09	2.882/36	1.561/35	1.772/53	3.143/34	3.284/01	4.574/31	3.783/50	3.383/33	3.633/96	3.843/36	3.023/06	3.323/52	3.252/80	2.592/54
Θ(45°)	1.501/62	1.721/92	2.893/52	3.012/37	2.172/64	2.962/93	2.923/19	3.773/83	2.951/87	2.232/70	2.001/11	0.280/27	0.801/19	1.912/26	2.142/61	3.283/45	3.643/46	2.701/97	2.252/37	1.740/75	0.170/72	2.203/61	3.802/66	1.841/82
Θ(52.5°)	1.820/98	1.221/09	1.232/28	2.261/67	2.062/54	2.011/40	1.371/14	1.652/40	2.111/31	1.872/19	1.680/98	0.961/91	2.212/08	2.022/40	2.012/01	2.092/87	2.893/09	2.171/39	1.721/21	0.151/006	-0.381/034	1.042/13	2.382/33	2.342/22
Θ(60°)	0.501/022	-0.141/027	-1.031/119	-1.101/190	-0.490/54	0.281/030	1.071/30	0.961/88	2.611/87	1.421/81	1.650/79	0.321/32	2.252/40	2.372/71	2.571/83	0.681/27	0.992/19	0.831/037	0.071/073	-1.751/185	-3.121/345	-0.901/028	-0.631/105	-0.470/51
Θ(67.5°)	-0.381/023	-0.531/036	0.721/009	-1.911/464	-3.281/171	-0.591/162	1.211/94	1.762/94	3.072/18	1.491/44	1.161/035	-0.051/033	0.631/23	1.763/31	2.710/99	-1.421/133	-0.190/63	-1.061/144	-1.111/173	-1.931/346	-5.521/295	-1.811/057	-0.981/189	-2.861/084
Θ(75°)	-1.301/069	-0.010/54	1.590/60	-0.281/217	-2.551/192	-1.611/469	0.251/53	1.232/72	2.531/88	1.390/93	0.201/105	-2.861/264	-1.371/116	-0.052/66	2.930/71	-3.341/377	-1.931/155	-2.201/034	0.501/108	1.681/014	-1.961/088	-0.611/020	-0.131/011	-1.321/009
Θ(82.5°)	-1.371/256	-1.500/40	1.650/05																					



Antenna Pattern of 6GHz

Appendix B.2

Θ(67.5°)	1.38/1.29	0.63/0.99	1.68/1.89	2.29/2.25	2.72/2.50	1.83/2.54	2.66/1.12	0.86/2.21	1.71/2.77	2.34/2.93	1.96/1.42	-2.31/-4.29	-4.39/-1.13	3.39/5.35	5.06/3.27	1.99/0.08	-1.55/-1.89	-1.83/-1.57	-4.43/-4.09	-1.52/-3.11	-1.15/0.08	0.33/+0.55	2.30/2.36	2.26/2.13
Θ(75°)	1.34/0.72	-0.01/-1.38	1.74/2.18	2.55/2.33	2.65/2.89	2.04/2.47	2.07/0.20	0.34/0.34	2.09/1.56	2.66/3.27	2.01/-0.48	-2.93/-3.72	-2.61/-2.05	0.05/3.72	4.65/3.07	-0.42/0.11	1.03/-1.21	-2.57/-1.12	-3.14/-1.30	-0.27/-1.83	-1.32/0.23	0.30/-0.88	2.38/2.15	1.71/1.58
Θ(82.5°)	1.10/0.18	-0.48/0.92	0.59/1.08	1.66/2.16	2.44/2.47	2.16/2.10	1.53/0.36	-0.29/-0.62	1.08/0.25	2.30/1.60	-0.06/0.09	-2.63/-3.55	-3.64/-2.78	-1.36/0.91	3.41/1.92	-0.73/0.82	1.17/-2.28	-3.96/-1.04	-2.94/0.81	0.82/-3.60	-1.16/-0.11	-0.11/-0.30	1.15/1.51	1.61/0.77
Θ(90°)	0.52/0.27	-0.46/0.09	-0.50/0.23	1.47/1.43	1.46/1.31	1.19/1.34	0.83/0.35	-0.81/-1.35	-0.86/-0.45	1.07/0.31	-1.31/-1.98	-2.53/-3.69	-2.50/-3.10	-2.77/-1.55	1.63/1.13	-0.88/-0.20	0.86/-2.63	-3.95/-1.46	-2.29/1.41	0.39/-4.93	-2.34/0.78	-1.60/-0.61	0.62/0.64	0.53/1.01
Θ(97.5°)	-1.42/-0.78	-1.23/-1.35	-1.83/-0.91	0.42/0.63	0.65/0.83	0.42/0.26	0.20/-0.44	-2.07/-1.80	-2.08/-1.53	-1.16/-2.66	-1.59/-4.59	-6.15/-3.83	-4.22/-5.71	-3.17/-4.31	-0.22/-1.76	-5.15/-3.71	0.85/-0.88	-5.97/-2.70	-2.64/-0.84	-2.38/-0.78	-1.96/-1.42	-3.04/-0.82	-1.32/-1.09	-0.31/-0.03
Θ(105°)	-2.75/-2.48	-1.10/-1.83	-2.21/-2.02	-1.29/-0.08	0.30/-0.60	0.72/0.35	-1.00/-0.21	-1.96/-2.86	-3.31/-2.62	-3.22/-2.41	-3.37/-5.03	-6.16/-6.21	-5.97/-6.12	-7.73/-8.77	-10.30/-5.33	-4.99/-4.11	-5.96/-7.43	-3.41/-2.00	-4.52/-1.82	-2.26/-3.55	-1.82/-0.58			
Θ(112.5°)	-3.25/-2.55	-1.07/-1.39	-2.47/-2.74	-2.29/-1.19	-0.19/-1.37	-0.35/0.02	-1.30/0.18	-2.36/-4.63	-3.26/-5.27	-6.76/-4.49	-6.77/-5.02	-5.65/-6.28	-10.65/-7.50	-12.70/-12.82	-4.29/-3.57	-4.83/-3.38	-5.85/-15.93	-10.89/-6.40	-5.02/-6.00	-7.07/-7.19	-3.93/-2.73	-9.05/-1.43	-2.55/-3.72	-2.34/-3.08
Θ(120°)	-2.05/-1.95	-2.43/-3.34	-4.45/-4.75	-2.82/-0.51	-0.37/-1.59	-0.51/-1.19	-3.18/-1.15	-2.76/-5.04	-4.32/-0.62	-8.75/-5.52	-6.62/-8.87	-7.54/-4.55	-8.03/-9.04	-8.50/-9.49	-7.73/-4.30	-5.86/-4.07	-7.52/-7.77	-14.96/-8.46	-6.35/-5.88	-4.75/-12.54	-7.91/-3.80	-4.14/-3.52	-2.25/-3.88	
Θ(127.5°)	-4.32/-4.00	-4.82/-5.80	-5.63/-4.40	-2.70/-2.21	-3.62/-1.87	-1.17/-3.77	-2.72/-1.44	-3.25/-3.30	-6.48/-6.22	-7.32/-8.07	-12.52/-7.59	-8.87/-11.19	-13.52/-12.81	-14.06/-10.57	-10.65/-7.91	-10.64/-9.87	-15.39/-9.07	-8.42/-6.27	-9.57/-10.51	-7.11/-8.68	-6.52/-6.68	-5.17/-5.22	-3.82/-4.55	
Θ(135°)	-6.81/-7.47	-6.01/-5.27	-4.80/-4.32	-4.25/-4.07	-2.74/-1.83	-2.97/-3.60	-2.14/-1.84	-3.81/-5.13	-7.56/-5.66	-7.65/-10.13	-7.89/-6.46	-8.26/-11.63	-14.01/-15.04	-10.69/-12.03	-6.84/-3.77	-2.91/-5.93	-7.90/-11.93	-15.87/-13.11	-12.01/-14.88	-7.50/-11.73	-9.59/-7.57	-11.15/-9.21	-4.71/-6.70	-9.30/-7.35
Θ(142.5°)	-6.41/-5.07	-5.78/-4.74	-3.86/-3.52	-4.15/-4.27	-3.34/-3.11	-3.57/-3.47	-4.05/-4.60	-8.55/-7.59	-5.90/-7.10	-10.45/-14.23	-10.27/-7.36	-6.15/-10.36	-11.69/-8.83	-10.26/-11.24	-15.78/-12.66	-10.13/-13.51	-8.19/-8.95	-11.43/-11.23	-9.31/-15.07	-10.81/-9.18	-14.87/-8.71	-7.26/-8.27	-7.68/-7.59	
Θ(150°)	-5.67/-5.46	-4.32/-4.40	-5.97/-7.11	-5.30/-3.70	-4.00/-4.07	-3.78/-4.42	-5.81/-4.36	-3.42/-3.87	-4.52/-7.01	-10.04/-5.82	-6.75/-7.09	-5.28/-5.11	-6.55/-7.77	-9.71/-15.07	-13.26/-10.35	-11.93/-11.33	-11.26/-12.72	-11.74/-9.84	-14.43/-8.05	-6.66/-9.84	-12.95/-13.88	-11.54/-11.38	-9.00/-8.16	-8.76/-7.11
Θ(157.5°)	-7.32/-6.69	-6.23/-6.64	-6.85/-5.87	-4.96/-5.04	-5.96/-5.16	-4.79/-5.95	-5.85/-5.38	-7.20/-8.85	-6.73/-5.42	-4.04/-3.14	-5.57/-8.84	-8.99/-9.26	-12.56/-15.79	-12.68/-10.41	-10.96/-14.84	-13.44/-10.61	-9.04/-7.31	-8.61/-14.78	-10.08/-6.04	-5.43/-7.29	-7.36/-7.94	-10.09/-15.28	-11.91/-9.06	-9.30/-8.25
Θ(165°)	-7.96/-6.96	-5.71/-4.88	-4.31/-3.74	-4.02/-4.79	-4.70/-5.53	-7.16/-6.69	-5.48/-6.46	-3.92/-3.71	-4.59/-5.93	-6.88/-7.01	-7.23/-9.06	-9.62/-9.21	-10.45/-12.13	-11.21/-11.84	-9.72/-11.90	-13.66/-11.48	-13.74/-12.79	-11.07/-11.01	-8.14/-7.68	-9.00/-8.97	-6.82/-6.61	-8.78/-7.35	-8.05/-5.53	
Θ(172.5°)	-6.68/-6.16	-5.60/-6.25	-6.43/-6.06	-6.33/-5.67	-5.52/-5.48	-4.64/-4.38	-4.39/-3.87	-3.96/-5.33	-7.09/-9.03	-10.08/-11.21	-10.83/-9.79	-9.94/-11.82	-12.88/-12.48	-11.76/-12.83	-15.05/-14.05	-11.51/-10.89	-10.88/-9.82	-9.51/-11.75	-13.25/-12.87	-8.44/-8.72	-9.19/-8.92	-8.27/-7.01	-7.18/-7.29	
Θ(180°)	-6.91/-6.79	-7.52/-6.70	-5.53/-5.33	-5.10/-5.39	-5.39/-4.88	-5.31/-5.37	-5.17/-6.30	-7.13/-7.59	-9.17/-11.50	-14.01/-14.04	-13.26/-13.72	-13.86/-12.86	-10.37/-8.17	-7.37/-7.08	-5.99/-5.10	-5.33/-6.06	-6.63/-7.13	-8.19/-7.64	-6.76/-6.72	-6.40/-6.97	-6.90/-7.26	-7.67/-7.55	-6.99/-6.39	-6.90/-7.43
Freq(Hz)	6.175/6Pol.	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°)	-9.53/-9.09	-9.82/-9.47	-10.12/-10.20	-9.82/-10.31	-11.27/-9.89	-10.66/-9.99	9.48/-9.54	-10.26/-8.71	-8.54/-10.68	-12.01/-12.24	-13.39/-12.51	-10.33/-9.42	-9.23/-9.16	-8.90/-9.25	-10.05/-9.89	-9.88/-10.63	-9.25/-8.55	-9.07/-8.04	-7.99/-9.12	-9.73/-9.31	-8.68/-9.00	-9.27/-8.89	-9.28/-8.50	-8.99/-9.33
Θ(7.5°)	-9.02/-8.56	-7.61/-7.76	-8.14/-7.71	-6.79/-6.95	-7.36/-6.31	-6.53/-6.48	-6.66/-6.43	-5.84/-6.01	-6.70/-9.29	-11.87/-13.10	-15.87/-14.84	-15.20/-15.37	-14.24/-14.51	-14.76/-12.47	-14.13/-13.45	-14.92/-15.53	-14.18/-14.83	-15.84/-11.31	-10.80/-12.52	-11.94/-9.11	-10.45/-10.92	-10.14/-9.31	-9.90/-10.03	-9.76/-8.99
Θ(15°)	-2.95/-2.44	-2.31/-2.65	-2.16/-3.06	-4.52/-0.05	-4.83/-7.47	-6.70/-6.55	-7.73/-6.09	-5.12/-6.06	-6.69/-8.22	-10.29/-9.95	-9.97/-1.74	-4.74/-6.88	-6.55/-7.77	-9.04/-10.70	-9.97/-9.99	-11.14/-11.87	-10.64/-8.23	-8.94/-8.33	-8.01/-8.14	-9.35/-10.68	-10.62/-9.61	-8.32/-6.19	-4.36/-5.63	
Θ(22.5°)	-1.33/-1.88	-2.46/-2.41	-1.97/-3.78	-5.99/-5.49	-6.08/-9.64	-8.43/-6.30	-7.81/-8.43	-7.53/-8.28	-7.40/-5.61	-5.26/-6.49	-6.62/-5.28	-6.91/-6.19	-5.84/-6.99	-6.67/-6.89	-8.25/-9.81	-8.56/-8.49	-9.41/-8.17	-7.58/-5.76	-5.76/-5.32	-5.56/-7.57	-8.96/-9.80	-7.43/-5.69	-5.08/-3.78	-2.34/-1.49
Θ(30°)	-0.49/-1.18	-1.52/-2.39	-3.63/-3.86	-4.40/-4.87	-4.53/-5.42	-8.37/-8.75	-6.13/-4.47	-4.07/-3.29	-3.06/-4.80	-6.39/-4.62	-5.39/-2.53	-5.10/-1.22	-1.53/-2.69	-2.96/-6.25	-6.04/-3.20	-2.30/-2.70	-4.08/-4.04	-3.64/-2.05	-3.17/-5.56	-5.77/-5.34	-4.96/-2.74	-1.69/-1.05	-1.36/-1.02	
Θ(37.5°)	0.49/-0.76	-2.42/-4.02	-4.12/-3.36	-3.97/-7.47	-3.75/-2.11	-3.39/-3.87	-2.91/-2.70	-1.02/-1.60	-2.07/-1.74	-2.63/-1.95	-3.27/-2.14	-2.20/-2.45	-4.36/-4.53	-6.21/-4.44	-2.24/-2.74	-2.66/-1.53	-1.10/-1.47	-1.82/-1.01	-1.24/-1.18	-1.99/-3.62	-1.32/-0.66	-1.35/-1.06	-1.60/-0.54	
Θ(45°)	0.39/-0.12	0.05/-0.88	-1.37/-2.22	-2.08/-2.12	-2.27/-0.76	0.41/-0.60	-0.12/-0.03	0.93/0.89	-1.83/-1.05	1.52/0.15	-2.45/-2.19	-3.51/-1.86	-2.43/-2.08	-3.23/-3.11	-0.83/0.39	0.99/-1.02	-1.77/-3.72	-1.74/-0.23	0.23/-1.37	-2.43/-3.07	-1.92/-1.38	-0.58/-0.33	-1.29/0.62	1.43/-1.07
Θ(52.5°)	1.41/-1.14	0.77/0.98	0.49/-0.24	-0.59/0.06	0.25/0.20	0.91/0.17	0.17/0.88	1.25/-1.52	0.11/-1.45	2.09/1.93	0.98/0.94	-4.11/-1.85	-2.65/-5.02	-0.92/-0.70	-0.55/0.09	-0.07/0.27	-0.24/-0.36	-0.49/-1.28	1.43/-0.71	-2.84/-1.13	-1.63/-2.06	-0.03/-0.01	-0.06/-0.90	1.67/-1.04
Θ(60°)	2.30/-1.27	0.73/-1.24	1.09/0.39	0.85/0.49	0.40/-1.30	1.02/-1.04	1.69/-1.22	0.97/0.15	1.24/0.29	2.62/-1.95	2.00/-0.01	-3.26/-3.00	-3.68/-1.36	1.66/3.13	1.79/0.04	-0.02/-0.74	-1.35/-0.30	0.23/0.12	0.16/-2.01	-2.03/-0.53	-0.97/-1.20	-0.39/-0.36	1.10/-1.33	0.55/-1.92
Θ(67.5°)	1.57/0.23	1.55/-1.94	0.93/0.69	1.11/-1.28	1.26/-1.90	1.24/0.99	1.19/-1.93	1.36/-0.93	1.30/0.21	2.62/2.87	2.33/-1.27	-3.88/-5.03	-3.44/-0.75	2.06/3.46	3.15/-1.14	-0.30/-2.34	-1.45/-0.20	0.03/-1.21	-1.75/-2.88	-0.11/-1.19	-0.25/0.73	0.26/-0.04	1.56/0.38	0.04/-1.74
Θ(75°)	1.10/-1.03	2.04/0.47	-0.79/0.81	2.28/2.02	1.41/-2.11	1.66/-1.50	1.98/-1.33	1.32/0.12	-0.57/0.53	1.63/2.89	1.93/-0.46	-0.22/-3.22	-4.79/-3.52	0.03/2.75	3.11/0.77	-1.54/-1.25	-0.01/0.74	-0.19/0.10	-1.17/-2.07	0.41/-1.76	-0.44/-1.63	-0.11/0.58	1.27/-0.17	-0.05/-1.15
Θ(82.5°)	0.44/-1.12	1.77/-0.18	-0.86/0.93	1.84/-1.06	1.11/-1.84	1.22/-2.18	1.43/0.59	0.68/-0.22	-0.95/0.14	0.75/-1.77	1.05/-3.88	-1.28/-2.52	-4.17/-4.66	-2.13/-1.75	2.28/-0.07	-3.14/-0.25	-0.17/-0.07	-1.21/-1.01	0.26/-0.21	0.41/-1.42	-1.09/2.07	-0.54/0.30	0.82/0.13	-0.16/0.47
Θ(90°)	0.32/-1.09	1.19/-0.32	-1.37/-0.39	0.72/0.46	0.61/-2.23	0.81/-1.29	0.28/-1.10	-0.23/-1.16	-1.76/-0.24	-0.76/-0.12	0.54/-2.33	-2.96/-3.33	-2.34/-5.54	-6.35/-0.15	-2.15/-1.85	-4.87/-1.95	0.14/-0.71	-1.96/-1.08	0.41/-0.25	-0.69/-2.06	-1.17/0.95	-1.40/-0.37	-0.48/-0.59	
Θ(97.5°)	-0.52/-0.01	0.15/-1.04	-1.60/-0.42	-0.51/-0.48	0.15/-0.36	-0.17/-1.48	-0.63/-0.69	-1.33/-2.29	-2.09/-1.77	-1.86/-2.27	-2.36/-3.43	-3.78/-6.65	-4.49/-5.36	-5.08/-2.08	-0.89/-4.56	-7.41/-5.41	0.69/-1.02	-3.28/-1.95	-0.69/-2.10	-2.75/-3.75	-1.76/-0.70	-1.58/-1.18	-1.23/-1.26	-0.47/-0.72
Θ(105°)	-0.93/-0.81	-1.93/-2.25	-2.34/-1.19	-0.49/-0.95	-0.41/-0.59	-1.84/0.54	-0.61/-0.63	-0.84/-2.70	-3.10/-2.70	-4.28/-4.11	-3.55/-4.62	-4.32/-7.01	-6.28/-7.05	-10.07/-5.90	-5.11/-10.07	-10.84/-6.50	-2.66/-5.02	-6.27/-4.65	-3.21/-5.82	-4.48/-6.62	-2.76/-2.50	-2.08/-2.78	-1.62/-2.71	-1.62/-0.77
Θ(112.5°)	-2.26/-1.45	-2.68/-2.82	-2.59/-1.82	-1.81/-0.92	-0.25/-1.35	-1.04/-0.75	-1.49/-2.67	-2.04/-2.94	-5.40/-3.67	-6.37/-6.45	-6.10/-7.93	-6.06/-6.60	-10.18/-9.72	-14.52/-11.89	-4.54/-3.99	-6.18/-5.50	-6.56/-9.70	-7.24/-6.16	-4.29/-6.53	-4.85/-8.38	-1.04/-3.29	-4.03/-3.50	-3.19/-5.98	-5.17/-2.04
Θ(120°)	-4.66/-2.78	-1.78/-3.35	-3.29/-3.31	-3.34/-2.09	-1.98/-1.63	-0.58/-0.63	-1.49/-3.17	-3.20/-3.86	-6.12/-5.13	-7.46/-9.19	-5.81/-8.18	-8.66/-6.43	-7.19/-6.73	-10.05/-14.53	-8.24/-4.08	-7.98/-5.09	-11.63/-4.39	-14.32/-4.91	-8.03/-3.37	-6.55/-8.86	-5.16/-4.39	-7.41/-5.72	-5.60/-5.37	-4.34/-3.60
Θ(127.5°)	-4.16/-4.1																							

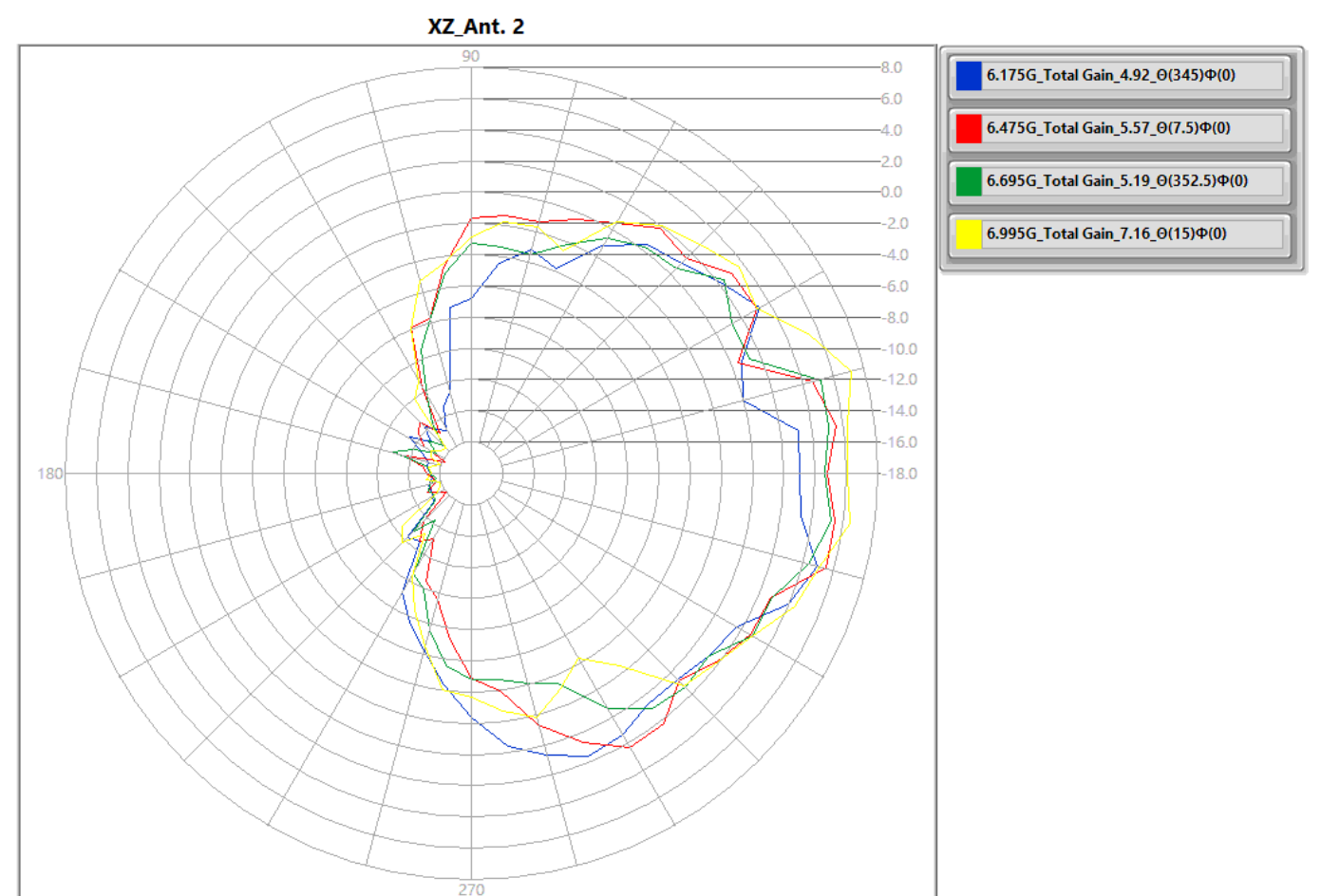
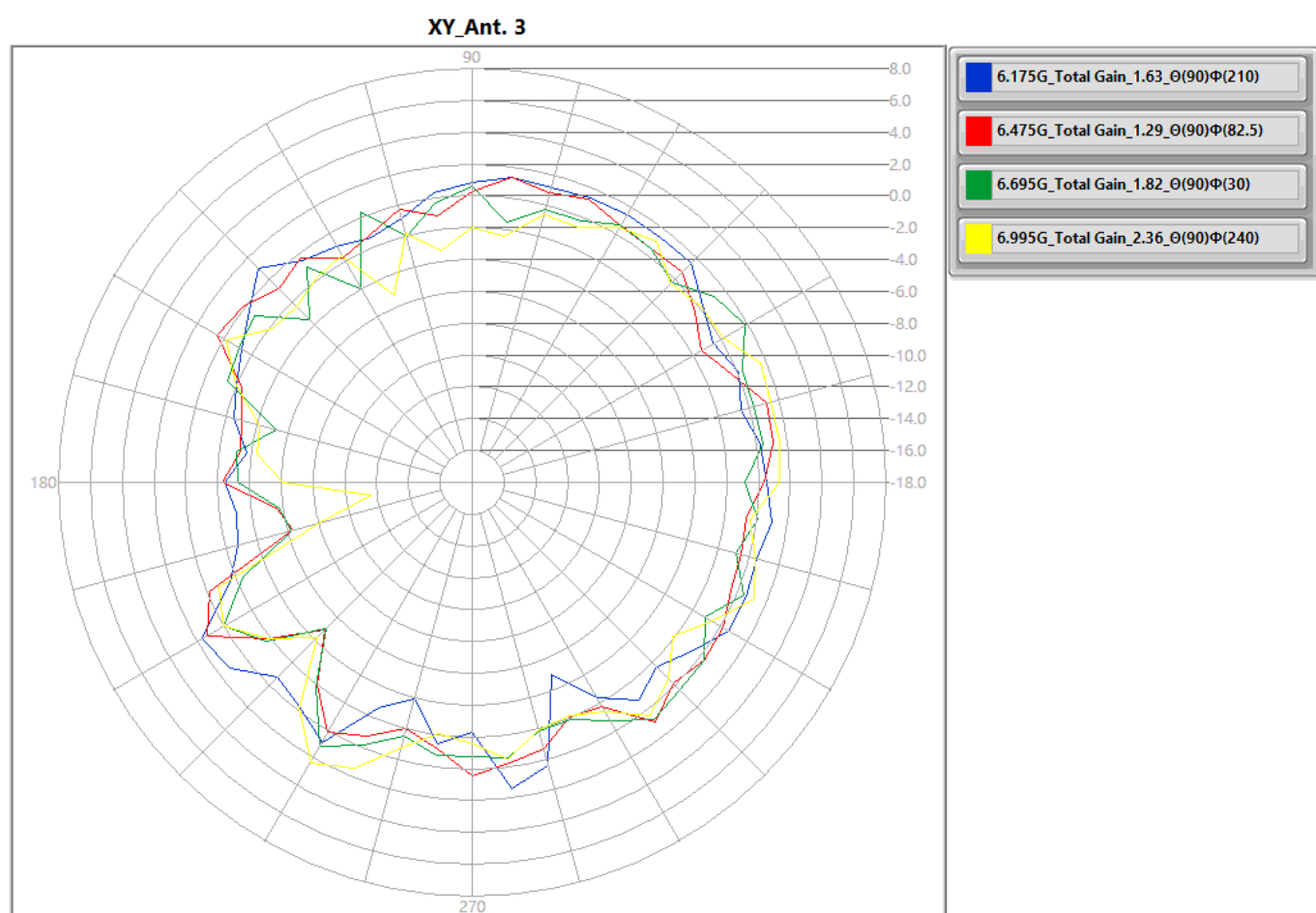
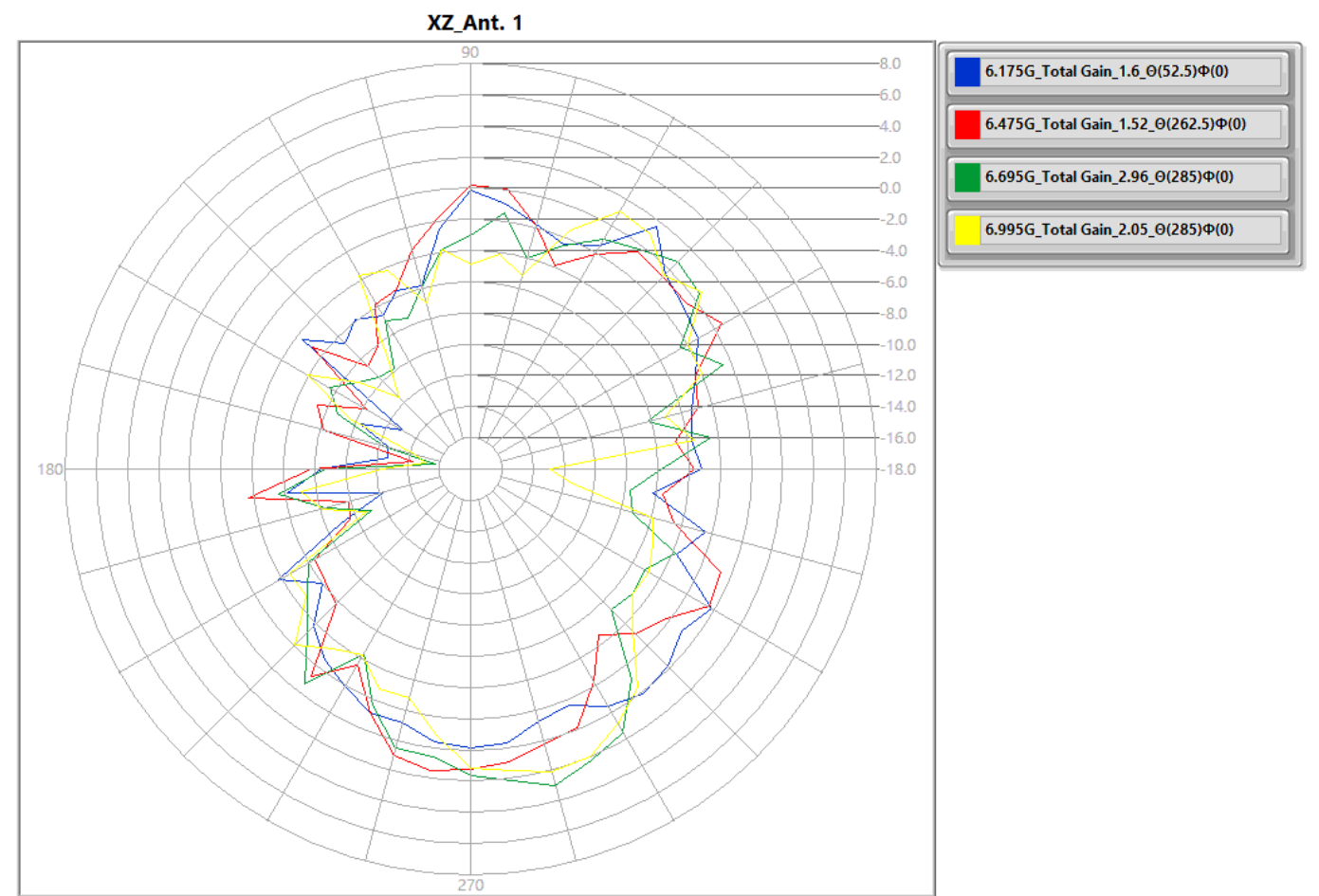
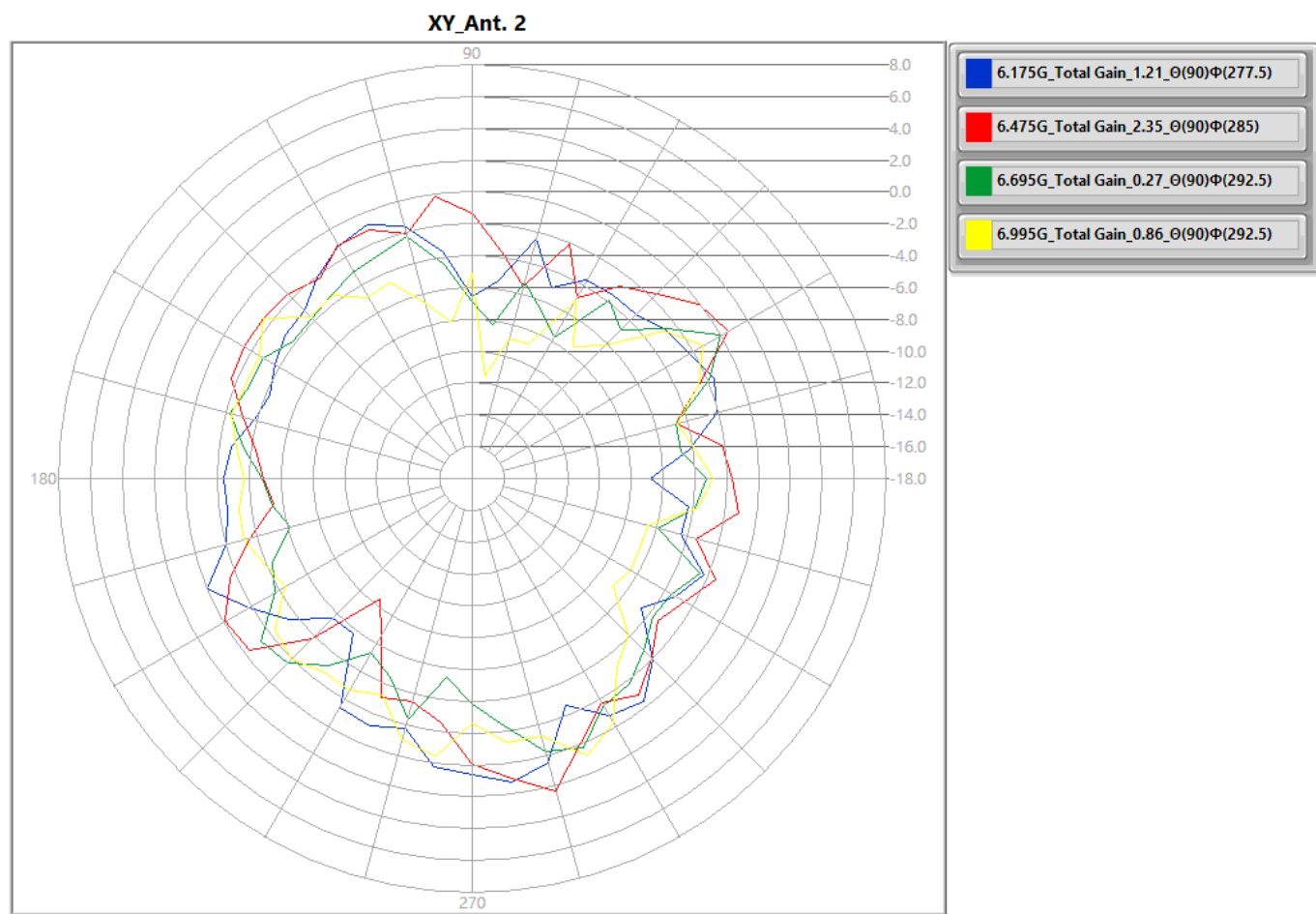
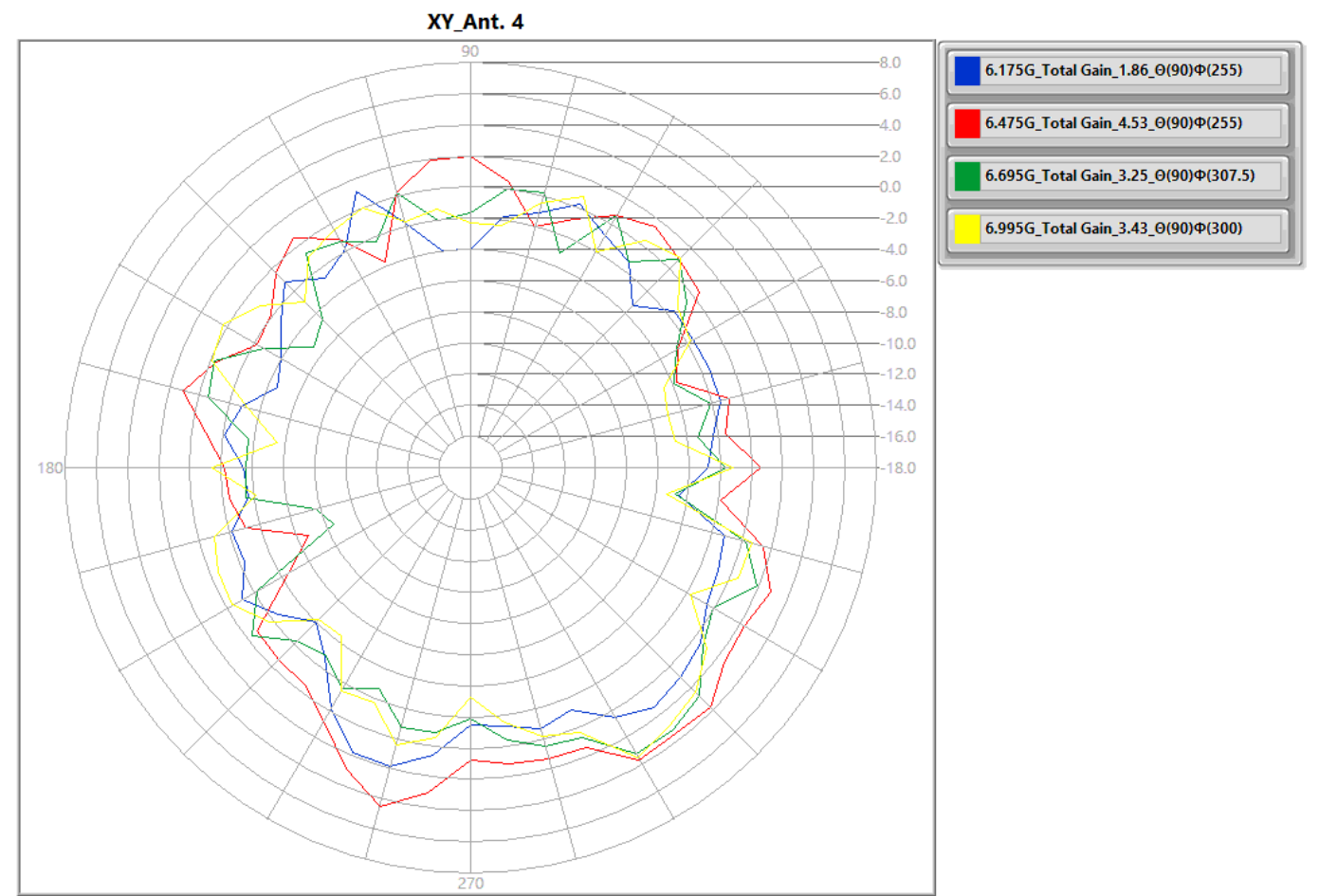
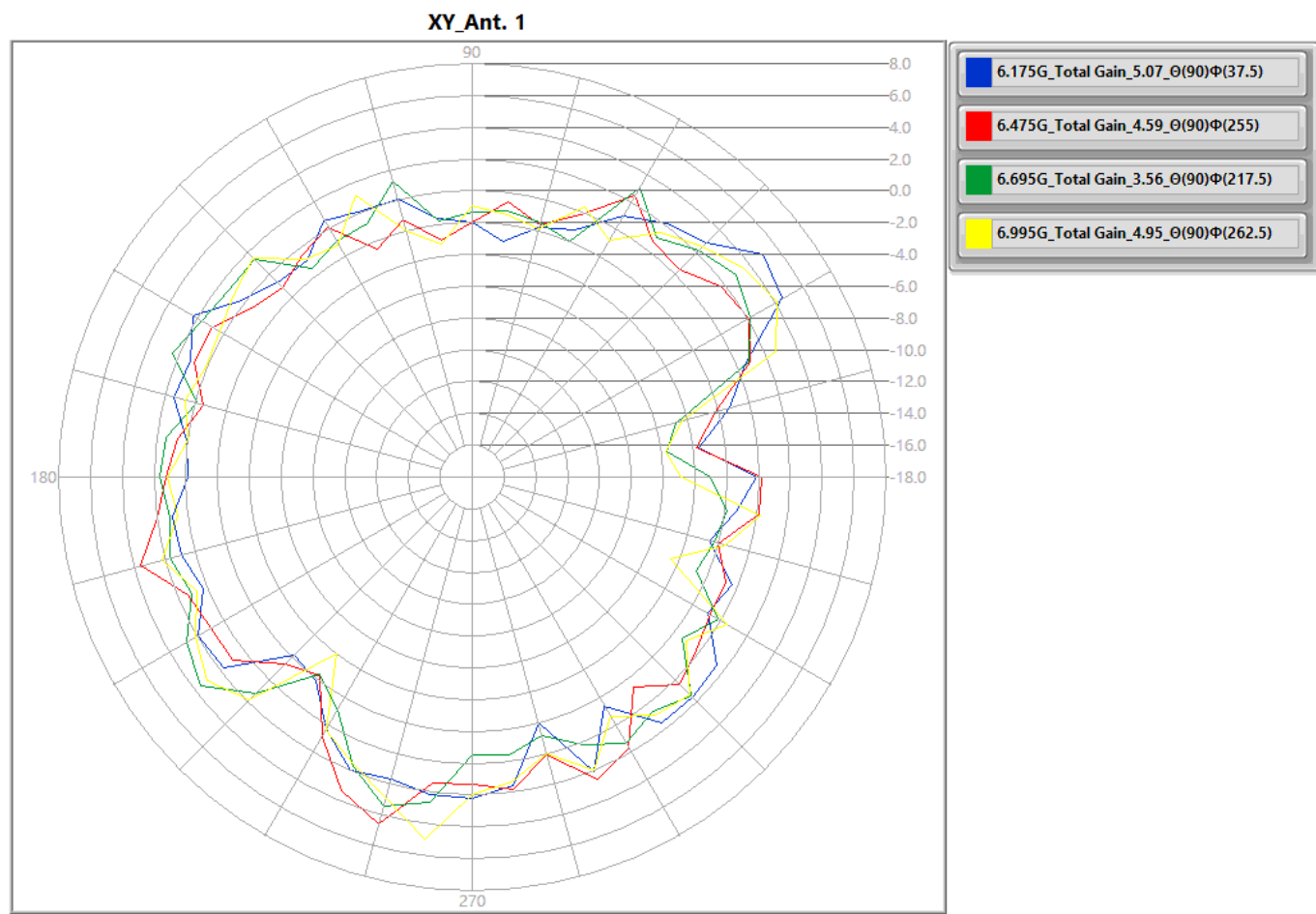


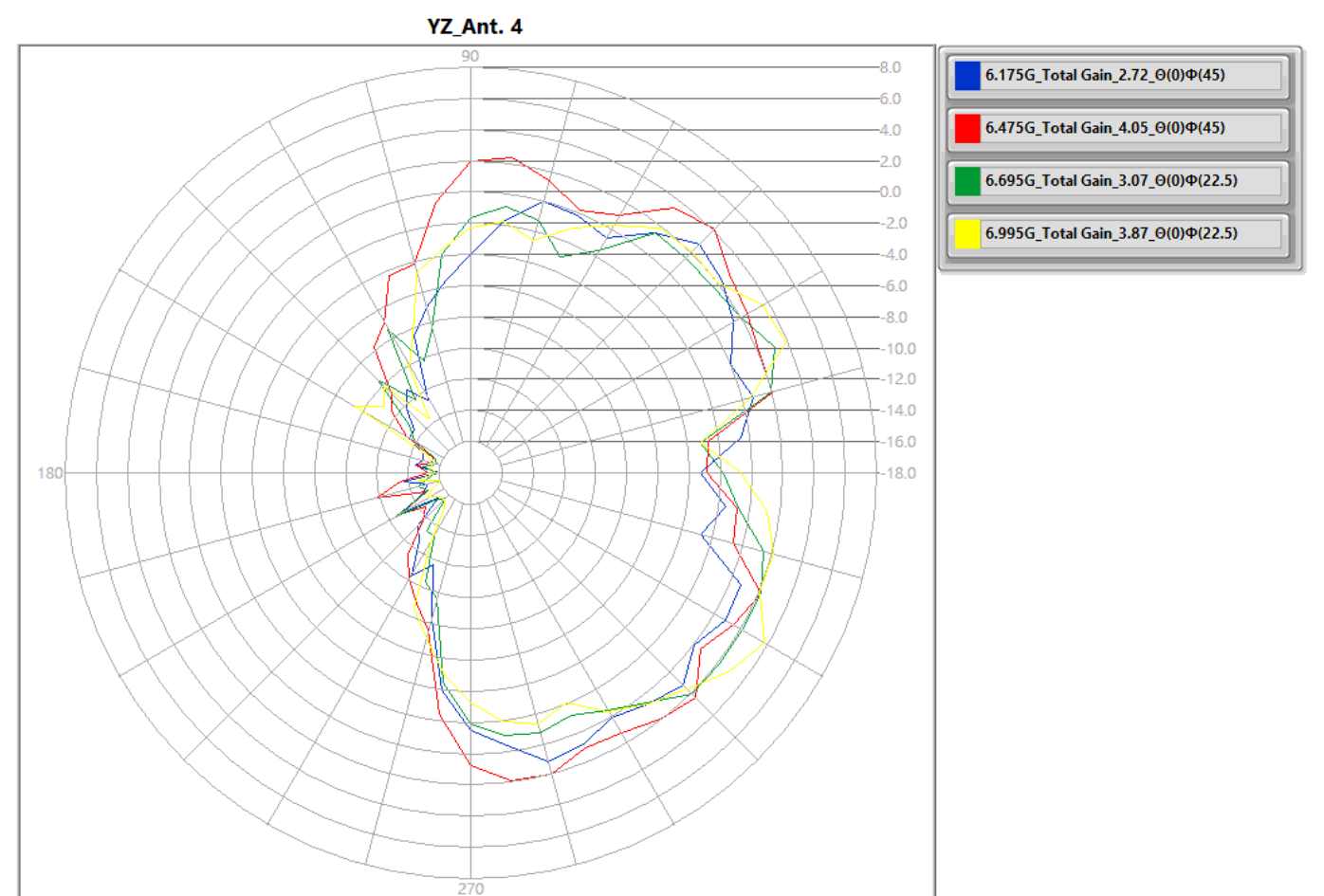
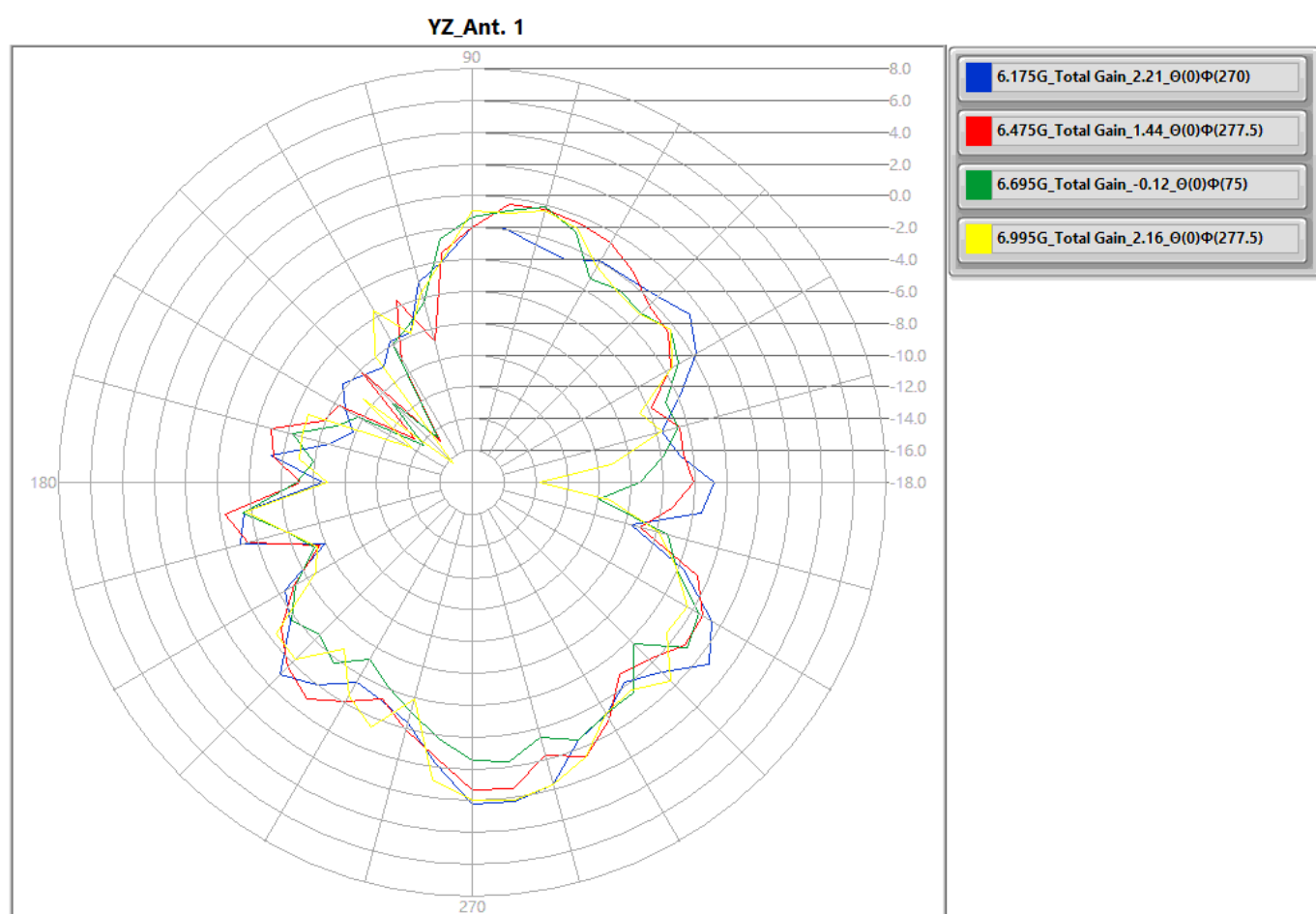
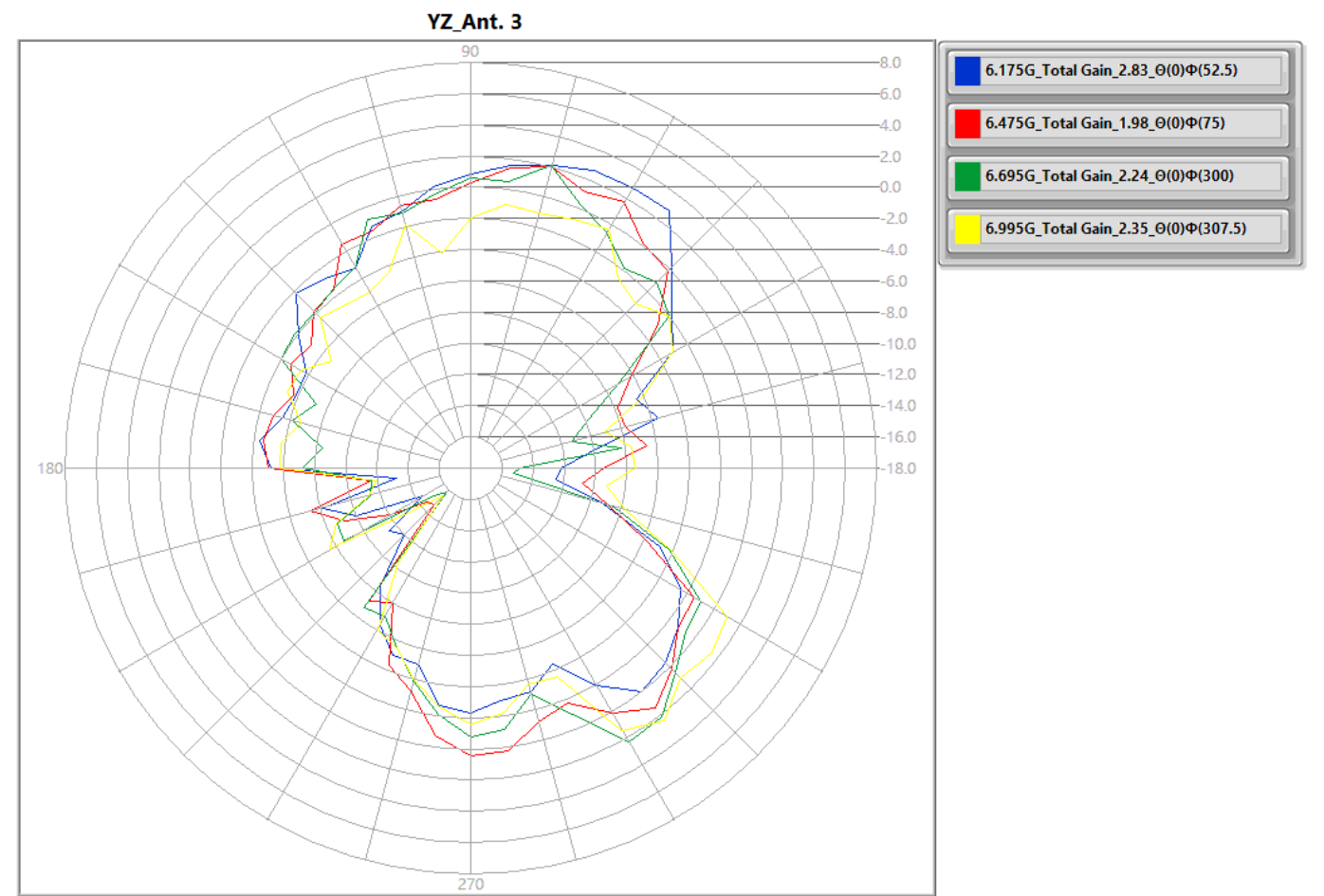
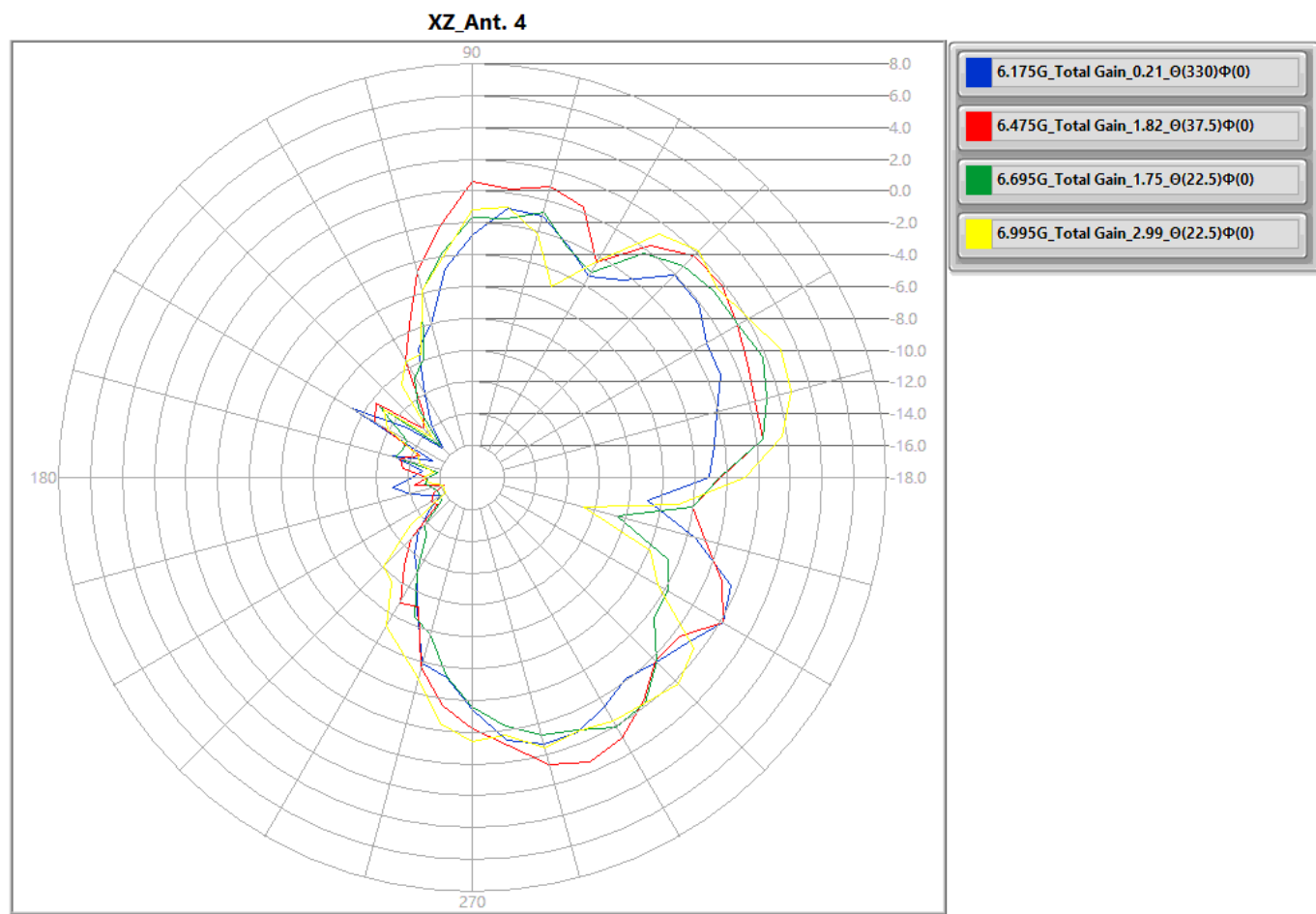
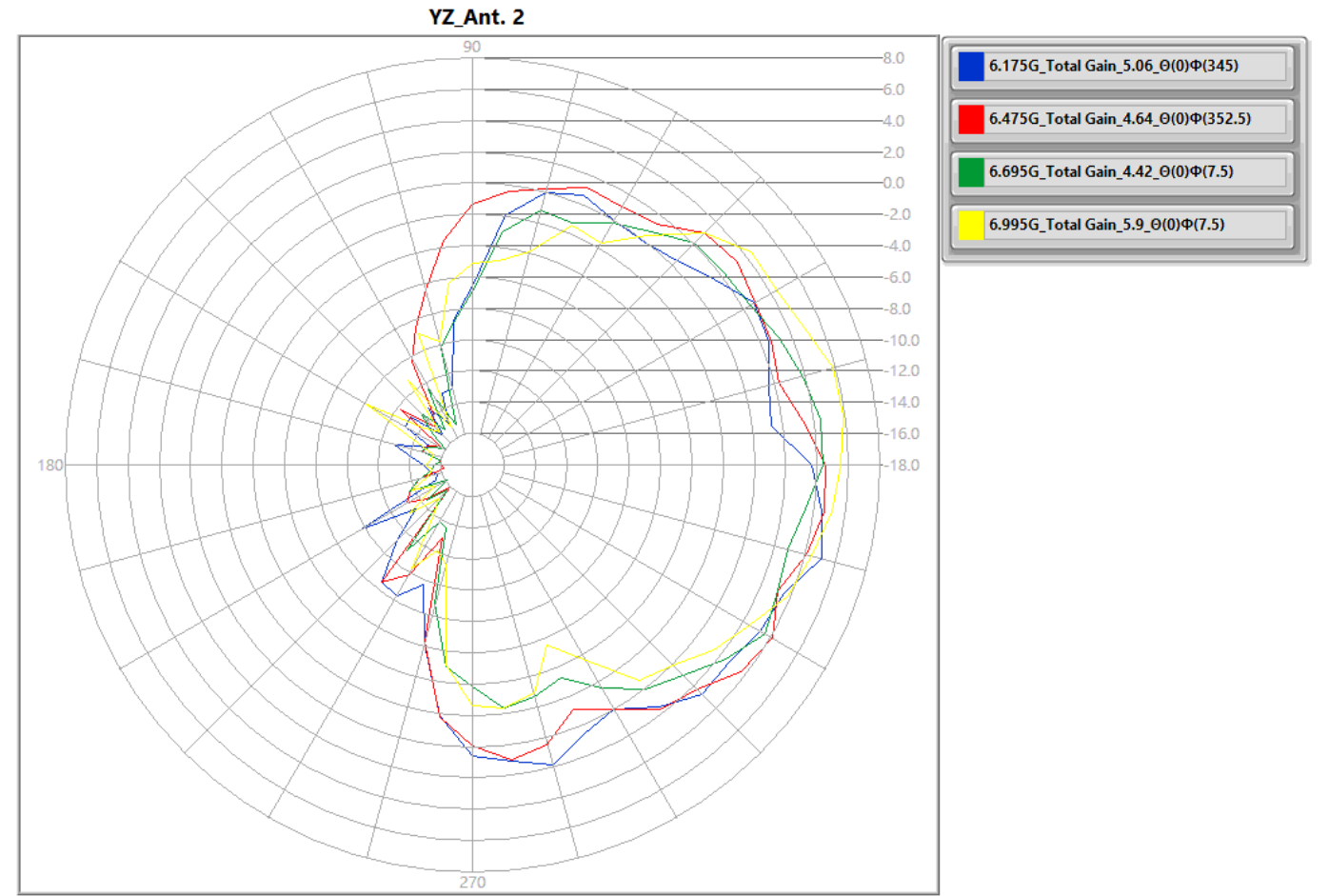
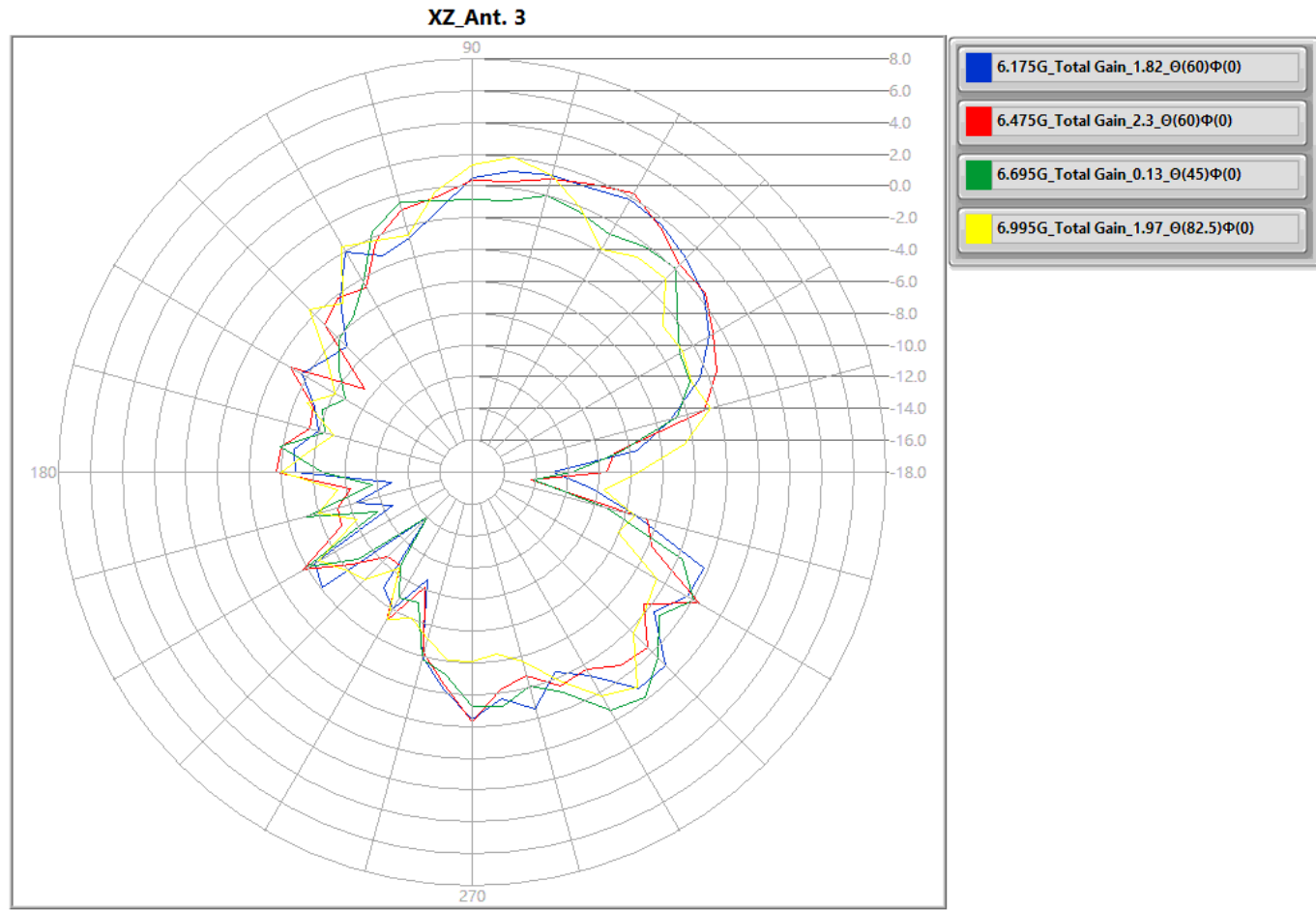
Antenna Pattern of 6GHz

Appendix B.2

Θ(120°)	-12.00/-11.17	-13.46/-10.98	-10.46/-10.26	-9.65/-7.82	-8.71/-6.79	-7.78/-11.51	-12.58/-11.96	-8.84/-6.48	-8.60/-10.48	-10.68/-11.15	-11.38/-9.95	-9.79/-8.65	-11.03/-12.73	-12.25/-10.94	-8.49/-8.49	-10.17/-12.74	-6.84/-5.97	-7.38/-6.67	-10.42/-9.24	-8.43/-11.18	-8.89/-6.20	-6.19/-6.05	-7.86/-6.77	-5.96/-10.13
Θ(127.5°)	-13.75/-10.85	-15.44/-12.52	-10.78/-11.95	-15.58/-13.69	-9.70/-9.80	-12.86/-13.45	-11.31/-10.25	-8.75/-7.99	-11.07/-11.85	-10.92/-12.59	-14.37/-13.59	-11.65/-10.36	-12.01/-12.95	-12.43/-14.01	-10.98/-13.03	-13.78/-12.91	-8.47/-8.00	-8.23/-9.28	-12.57/-10.49	-10.07/-9.94	-9.33/-8.20	-7.96/-9.92	-14.27/-9.02	-5.70/-8.71
Θ(135°)	-15.53/-14.30	-14.91/-15.95	-12.93/-12.51	-10.85/-10.48	-10.22/-11.90	-14.00/-14.61	-12.15/-10.19	-12.11/-11.85	-13.84/-15.86	-14.59/-14.17	-11.67/-12.66	-13.28/-12.58	-13.27/-13.76	-15.28/-15.59	-10.61/-9.55	-10.92/-12.45	-14.40/-14.08	-12.85/-15.36	-13.23/-15.25	-13.10/-13.37	-13.11/-13.93	-10.27/-11.07	-11.83/-10.77	-8.86/-11.17
Θ(142.5°)	-12.87/-13.34	-15.43/-15.57	-15.17/-14.03	-13.72/-11.09	-13.15/-13.24	-11.53/-12.20	-13.47/-9.99	-9.51/-11.47	-14.93/-15.35	-14.31/-15.12	-13.97/-13.39	-15.39/-14.23	-14.66/-15.41	-15.79/-14.32	-10.80/-11.85	-12.45/-15.07	-11.83/-12.22	-10.40/-15.06	-15.39/-15.23	-10.74/-12.76	-13.28/-14.56	-11.04/-8.70	-10.01/-10.96	-11.50/-12.69
Θ(150°)	-9.23/-12.81	-15.43/-14.72	-13.53/-11.64	-13.27/-12.47	-11.39/-11.28	-14.28/-13.15	-13.48/-14.00	-15.22/-15.83	-15.15/-15.01	-12.62/-13.54	-15.83/-15.56	-14.77/-14.70	-15.68/-14.42	-15.58/-15.55	-15.43/-14.54	-15.22/-15.37	-13.97/-10.70	-9.23/-10.12	-13.04/-15.26	-14.76/-12.21	-10.82/-15.30	-15.16/-15.62	-14.88/-13.65	-11.65/-9.10
Θ(157.5°)	-15.30/-15.55	-13.93/-15.90	-15.76/-14.20	-11.82/-12.92	-12.84/-15.36	-15.30/-15.70	-14.67/-15.72	-15.65/-15.53	-15.29/-15.87	-15.68/-15.90	-15.59/-15.64	-15.11/-15.63	-15.02/-15.75	-15.19/-15.02	-13.99/-12.70	-12.60/-14.37	-14.79/-15.33	-15.09/-15.42	-14.80/-15.62	-14.80/-15.65	-15.15/-13.05	-13.27/-15.52	-16.20/-14.76	-14.94/-15.02
Θ(165°)	-12.80/-11.12	-14.42/-15.32	-13.42/-10.09	-9.88/-11.71	-13.89/-15.23	-15.63/-15.85	-14.81/-14.88	-14.67/-15.05	-15.24/-15.36	-15.12/-16.03	-15.68/-15.60	-15.18/-15.91	-14.04/-13.84	-14.43/-15.34	-13.63/-13.54	-14.12/-14.90	-14.70/-14.34	-15.03/-15.62	-15.16/-15.47	-15.13/-14.66	-16.34/-15.33	-15.57/-14.98	-13.33/-13.90	-14.33/-15.20
Θ(172.5°)	-14.84/-13.30	-12.35/-12.79	-13.87/-15.11	-15.11/-16.05	-15.25/-15.12	-14.37/-14.10	-14.45/-15.28	-14.57/-15.64	-15.71/-15.54	-15.72/-15.09	-15.81/-15.05	-14.70/-13.76	-12.97/-13.44	-14.80/-15.51	-15.82/-15.46	-15.19/-14.62	-13.42/-12.49	-11.97/-12.19	-13.69/-14.95	-14.50/-15.26	-15.86/-15.47	-15.26/-15.46	-15.64/-14.85	-14.90/-14.74
Θ(180°)	-14.25/-14.65	-15.86/-14.91	-15.49/-15.70	-14.45/-15.43	-15.68/-14.92	-14.21/-15.26	-15.96/-15.24	-15.75/-14.74	-15.46/-15.81	-15.09/-15.13	-15.14/-15.90	-15.60/-15.57	-15.55/-15.48	-13.88/-14.73	-15.80/-14.53	-15.29/-14.21	-15.01/-15.62	-15.71/-15.62	-15.22/-15.09	-15.49/-14.98	-15.24/-15.65	-14.98/-15.44	-15.60/-15.27	-15.01/-15.37
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°)	-2.38/-2.49	-2.61/-2.77	-2.71/-2.97	-3.14/-3.25	-3.33/-3.70	-3.62/-3.13	-2.83/-2.31	-1.83/-1.66	-1.53/-1.52	-1.64/-1.57	-1.59/-1.66	-1.61/-1.44	-1.33/-1.46	-1.59/-1.83	-1.89/-1.85	-2.02/-2.13	-2.25/-2.19	-1.97/-1.71	-1.66/-1.65	-1.54/-1.45	-1.33/-1.22	-1.53/-1.81	-2.36/-2.53	-2.57/-2.58
Θ(7.5°)	0.450/2.3	-0.16/-0.40	-0.43/-0.80	-1.16/-1.21	-1.37/-1.90	-2.16/-2.39	-2.63/-2.68	-2.92/-3.42	-3.76/-4.18	-4.63/-4.79	-5.07/-5.42	-5.22/-4.51	-4.07/-3.87	-3.52/-3.32	-2.97/-2.68	-2.74/-2.61	-2.46/-2.23	-1.91/-1.42	-0.79/-0.56	-0.120/0.15	0.690/0.97	0.950/0.69	0.280/0.20	0.440/0.49
Θ(15°)	0.400/0.12	0.170/0.09	0.020/0.1	0.55/-1.16	1.55/-1.83	2.21/-2.13	1.98/-1.55	0.90/-0.11	-1.69/-3.93	-5.70/-5.90	-4.70/-4.13	-3.58/-3.24	-2.80/-2.88	-3.45/-4.39	-4.96/-4.26	-3.21/-2.30	-1.79/-1.34	-1.07/-0.82	-0.62/-0.33	0.130/0.85	1.632/-1.5	2.382/0.39	2.22/-1.90	1.570/0.99
Θ(22.5°)	0.751/2.22	1.731/3.0	0.37/-0.48	-1.22/-1.70	-0.990/3.4	1.49/-1.99	2.07/-1.89	1.71/-1.72	1.82/-1.65	1.200/0.63	0.490/0.16	-0.22/-0.62	-0.98/-1.49	-2.32/-2.62	-2.44/-1.68	-0.19/-1.40	2.69/-3.39	3.55/-0.34	2.11/-1.41	1.44/-2.07	2.15/-1.90	1.71/-2.02	2.33/-2.46	2.00/-1.13
Θ(30°)	1.20/-1.25	1.87/-2.03	1.77/-1.42	1.44/-1.68	2.04/-2.47	2.87/-2.76	2.49/-2.05	1.320/-9.9	1.48/-2.41	2.85/-2.51	1.72/-1.47	1.260/0.96	0.25/-0.56	-1.01/-1.39	-1.10/-1.12	-0.31/-1.11	2.16/-2.61	2.55/-2.04	1.430/0.91	1.20/-2.19	2.55/-1.98	0.640/0.52	0.980/0.77	0.85/-1.31
Θ(37.5°)	1.82/-1.14	-0.64/-0.32	0.93/-2.39	3.26/-3.77	4.12/-3.99	3.29/-2.75	2.93/-2.86	2.43/-1.99	1.83/-2.40	2.43/-2.03	1.21/-1.37	1.820/0.74	-1.58/-2.12	-1.05/-0.15	0.63/-0.33	-1.37/-1.74	-1.570/0.7	0.87/-1.09	0.520/-2.4	1.17/-1.77	1.570/-5.2	-0.620/-2.1	2.06/-2.60	1.30/-1.16
Θ(45°)	1.64/-1.18	-1.24/-0.72	0.71/-1.53	1.43/-1.84	2.35/-2.52	2.88/-3.5	4.05/-3.72	3.30/-3.15	2.51/-1.78	1.90/-1.52	0.500/-5.4	1.290/-2.0	-1.73/-0.98	0.350/-7.6	0.500/-5.6	0.750/-0.9	-1.50/-1.14	1.71/-2.80	2.41/-1.62	2.22/-2.97	2.00/-0.60	-0.20/-0.34	0.220/-0.91	1.81/-1.60
Θ(52.5°)	0.40/-0.24	-0.44/-0.78	1.18/-1.23	1.29/-2.24	2.98/-3.37	3.77/-3.81	3.44/-2.50	1.23/-1.19	1.300/0.81	1.22/-1.77	0.880/0.00	0.65/-0.02	-0.34/-1.37	2.19/-1.96	1.46/-1.00	1.02/-0.25	-0.86/-0.22	0.27/-1.57	1.92/-1.04	0.44/-1.73	1.55/-1.66	2.45/-1.17	-1.31/-2.78	-2.09/-0.39
Θ(60°)	-2.37/-3.52	-2.00/-0.71	-2.23/-2.04	-0.190/-9.5	0.120/-7.6	1.84/-2.16	1.010/-55	0.040/-8.9	0.94/-1.67	1.41/-1.57	1.590/-35	0.730/-8.1	0.84/-2.06	2.86/-2.80	1.670/-8.7	1.42/-1.21	1.99/-1.34	0.620/-5.8	1.27/-0.10	-0.920/-0.9	0.030/-2.9	2.08/-1.24	0.61/-0.36	-2.77/-2.41
Θ(67.5°)	0.38/-2.22	-2.27/-3.96	-4.95/-2.13	1.60/-2.65	-0.37/-1.24	-1.41/-0.21	0.230/-8.2	2.57/-1.46	2.99/-2.69	2.500/-6.8	0.45/-3.0	2.36/-1.60	1.35/-2.51	2.16/-1.92	2.66/-2.58	4.11/-0.34	3.37/-1.74	1.09/-0.13	-0.600/-2.1	0.600/-7.7	2.69/-2.16	3.08/-3.1	1.46/-0.48	
Θ(75°)	0.94/-0.83	-1.22/-1.61	-0.55/-0.81	2.43/-3.24	0.980/0.82	-0.14/-0.60	1.380/-8.6	2.59/-2.04	2.17/-2.74	2.39/-0.13	-0.50/-1.16	2.84/-1.77	0.70/-1.14	0.470/-0.5	-1.23/-1.71	3.16/-2.43	3.83/-3.53	4.99/-3.11	2.02/-1.79	1.48/-1.69	2.60/-2.04	3.54/-2.50	3.65/-3.94	1.910/-3.1
Θ(82.5°)	0.27/-1.99	-1.60/-1.95	0.30/-2.25	1.98/-2.00	0.250/-33	-0.14/-1.09	2.38/-1.07	1.34/-0.13	1.84/-2.18	1.37/-1.29	-1.73/-0.62	1.98/-0.04	-1.02/-0.43	-1.95/-2.30	-2.25/-1.49	1.75/-1.32	2.72/-3.68	4.55/-3.12	1.93/-2.55	1.93/-4.1	3.140/-15	4.01/-2.73	2.93/-4.1	1.31/-1.60
Θ(90°)	0.57/-1.49	-0.80/-3.74	-2.67/-0.46	0.90/-1.45	0.70/-0.77	-2.000/-55	1.98/-1.91	0.22/-3.70	-1.110/-59	-0.39/-1.82	-2.23/-0.32	-1.08/-0.90	-2.25/-2.41	-3.10/-6.74	-4.50/-0.75	-0.69/-0.48	0.812/-91	4.53/-0.34	0.76/-1.19	1.34/-1.42	3.62/-3.53	3.70/-2.54	2.22/-2.85	1.45/-1.82
Θ(97.5°)	-2.16/-3.86	-1.36/-3.52	-3.13/-2.21	-0.82/-1.31	-1.07/-1.27	-3.01/-1.19	-0.550/-0.7	-2.39/-5.36	-2.43/-2.06	-3.50/-4.85	-3.62/-1.80	-0.56/-3.96	-3.53/-4.97	-5.70/-10.13	-6.24/-2.72	-2.93/-2.61	-0.920/-3.1	2.18/-2.42	-2.41/-0.33	-0.34/-0.43	1.77/-1.07	0.67/-0.99	-0.90/-0.27	-1.39/-5.44
Θ(105°)	-4.64/-6.41	-2.03/-3.80	-4.06/-4.51	-9.56/-4.15	-4.18/-1.22	-3.87/-2.94	-4.15/-6.31	-3.81/-2.90	-4.30/-5.85	-5.95/-8.56	-7.55/-4.09	-2.86/-5.68	-5.70/-7.55	-6.05/-9.43	-5.98/-3.71	-3.85/-4.63	-2.68/-3.93	-2.97/-5.03	-7.56/-3.03	-2.68/-6.28	-3.65/-4.68	-4.44/-6.80	-3.91/-2.57	-4.72/-8.76
Θ(112.5°)	-7.61/-9.56	-6.52/-7.80	-7.23/-6.50	-6.75/-6.55	-6.05/-6.40	-6.70/-2.98	-4.32/-6.76	-4.81/-4.41	-8.14/-7.36	-5.75/-9.33	-8.86/-6.77	-5.23/-7.84	-9.18/-6.81	-8.19/-9.21	-9.13/-5.97	-5.22/-6.63	-4.51/-6.39	-5.79/-6.95	-8.93/-5.08	-5.79/-13.12	-7.76/-5.48	-4.40/-5.26	-3.81/-3.11	-5.33/-8.80
Θ(120°)	-9.56/-10.56	-9.19/-8.00	-8.40/-10.56	-9.39/-9.18	-7.84/-5.48	-8.37/-8.86	-6.90/-10.71	-8.74/-9.95	-8.59/-7.60	-9.70/-9.94	-8.93/-7.37	-6.47/-6.69	-8.93/-10.13	-10.21/-13.05	-12.99/-9.55	-8.75/-6.58	-6.05/-4.32	-5.21/-4.88	-10.09/-5.48	-6.65/-12.33	-6.73/-3.51	-3.69/-4.51	-5.30/-5.75	-7.44/-10.77
Θ(127.5°)	-12.94/-8.78	-15.04/-9.67	-10.48/-10.75	-14.14/-12.42	-8.81/-7.90	-7.68/-8.58	-7.81/-8.67	-7.39/-5.29	-9.32/-10.19	-14.28/-15.77	-11.09/-8.81	-8.12/-9.19	-10.96/-12.62	-13.87/-14.69	-11.91/-9.37	-10.99/-12.97	-8.62/-5.92	-7.35/-10.27	-11.37/-8.85	-8.49/-10.29	-8.61/-6.01	-8.34/-9.89	-10.26/-5.71	-5.55/-9.96
Θ(135°)	-13.70/-12.53	-15.11/-14.99	-11.70/-9.91	-10.28/-10.96	-9.17/-9.87	-12.75/-15.67	-10.85/-9.34	-10.42/-10.33	-13.97/-11.06	-12.22/-14.46	-11.19/-9.48	-11.09/-11.98	-12.53/-13.97	-12.53/-15.15	-12.16/-10.14	-10.99/-8.79	-14.51/-12.18	-11.67/-15.14	-13.69/-15.54	-11.05/-15.43	-13.29/-11.96	-11.04/-12.28	-10.93/-11.09	-8.88/-10.51
Θ(142.5°)	-10.37/-13.54	-15.63/-14.07	-13.49/-14.19	-10.54/-8.61	-10.48/-11.90	-11.56/-11.42	-11.57/-10.45	-10.32/-9.44	-12.98/-15.25	-15.09/-14.89	-11.31/-9.24	-12.32/-15.18	-15.22/-16.02	-13.97/-12.74	-10.81/-12.54	-13.21/-14.87	-9.84/-8.69	-8.90/-14.36	-14.39/-12.97	-9.52/-14.06	-13.34/-15.07	-10.97/-8.66	-11.24/-12.72	-11.27/-10.28
Θ(150°)	-10.91/-13.43	-14.78/-13.31	-13.22/-13.87	-12.06/-10.80	-9.95/-11.92	-12.34/-13.26	-13.30/-14.62	-13.90/-14.87	-15.14/-14.61	-11.79/-12.20	-14.66/-15.51	-15.56/-14.92	-15.01/-15.10	-15.38/-15.76	-15.34/-14.57	-14.37/-15.41	-16.18/-14.33	-11.66/-11.41	-12.66/-15.26	-14.89/-13.52	-13.83/-15.29	-15.10/-15.58	-15.02/-13.77	-10.14/-9.25
Θ(157.5°)	-14.47/-13.95	-14.12/-14.97	-14.87/-13.60	-12.65/-12.85	-13.60/-10.39	-12.53/-14.87	-15.42/-16.14	-15.76/-15.36	-14.95/-13.26	-10.77/-14.79	-13.29/-16.42	-15.36/-15.34	-15.40/-15.09	-14.86/-15.24	-14.08/-12.21	-10.66/-10.58	-13.31/-15.39	-15.36/-15.08	-14.93/-15.95	-14.88/-15.10	-15.75/-12.20	-14.20/-15.68	-15.29/-15.00	-15.44/-15.72
Θ(165°)	-15.30/-13.12	-15.63/-14.72	-10.80/-10.11	-11.54/-12.52	-14.19/-15.39	-16.07/-15.51	-15.43/-15.74	-15.77/-14.55	-13.96															

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 $\Theta(0-180)\Phi(270)$







Antenna Pattern of Scan Radio/LE

Appendix B.3

Θ(22.5°)	-9.76/-12.50	-11.39/-8.68	-6.51/-7.16	-7.03/-6.79	-6.54/-5.68	-5.36/-5.27	-3.67/-2.91	-1.98/-1.46	-1.60/-1.49	-1.29/-1.06	-0.94/-0.58	0.05/0.00	-0.32/0.54	1.41/1.32	1.17/1.62	2.04/-1.51	0.23/-0.39	-0.37/-0.60	-1.53/-2.35	-3.51/-3.79	-3.69/-4.62	-6.23/-6.44	-6.37/-5.64	-5.64/-6.41
Θ(30°)	-7.23/-9.00	-9.87/-8.90	-7.90/-9.58	-9.44/-8.20	-6.64/-5.04	-4.90/-4.34	-2.79/-1.70	-0.62/-0.47	-0.23/0.59	1.09/1.01	1.01/-1.76	2.39/-1.93	1.51/-1.23	1.78/-1.78	2.11/-2.77	3.24/-3.38	2.92/-1.63	0.50/0.17	-0.78/-1.94	-3.07/-3.90	-3.50/-4.03	-5.99/-7.63	-6.43/-4.97	-5.21/-6.41
Θ(37.5°)	-2.58/-2.73	-3.51/-4.43	-6.73/-7.30	-4.43/-8.70	-4.53/-3.66	-2.08/-0.14	-1.27/-1.17	-1.04/0.97	1.64/-3.39	2.42/-2.05	2.35/-2.84	2.62/-2.48	1.91/-1.62	2.68/-3.52	3.60/-2.08	2.92/-2.08	3.72/-1.97	-0.54/-0.27	-1.63/-2.88	-1.63/-2.88	-1.63/-2.88	-1.63/-2.88	-1.63/-2.88	-1.63/-2.88
Θ(45°)	-0.19/-1.05	-1.92/-2.68	-5.25/-4.98	-1.22/0.24	0.21/0.73	0.46/0.57	2.47/-2.78	2.74/-3.55	3.95/-3.62	3.09/-2.41	2.46/-2.87	2.94/-3.15	3.01/-1.68	1.29/-2.85	4.24/-4.54	4.35/-3.14	2.92/-2.43	1.28/-1.07	1.79/-2.18	1.11/0.08	0.52/0.37	-1.07/-4.35	-1.83/0.53	0.44/-0.26
Θ(52.5°)	2.06/-2.07	-1.50/-2.34	-3.06/-3.66	0.52/-2.47	1.67/-1.49	0.41/0.58	2.51/-1.33	3.37/-4.57	4.05/-2.70	2.30/-2.32	2.44/-3.13	3.80/-2.99	2.61/-2.35	2.60/-2.73	3.76/-4.73	4.31/-3.00	2.08/-2.66	1.21/-1.73	1.45/-1.71	0.97/-2.20	0.13/-0.13	-0.24/-2.65	-1.62/-1.03	-0.15/-2.01
Θ(60°)	3.47/-1.60	0.16/-0.24	-0.46/-0.88	2.25/-3.37	1.49/-1.76	1.63/-0.96	2.42/-2.83	3.17/-4.57	3.19/-2.05	2.85/-1.89	1.18/-1.86	2.45/-1.65	1.28/-3.05	3.16/-3.43	3.71/-4.07	2.24/-3.33	1.36/-1.75	1.51/-1.25	0.84/-0.29	-1.42/-3.04	-1.77/-1.39	-0.85/-4.05	-1.12/-2.94	1.12/-2.94
Θ(67.5°)	3.65/-2.68	1.10/-0.13	1.31/-1.87	4.10/-4.50	1.23/-1.40	1.19/-1.75	2.72/-2.62	3.00/-4.08	1.44/-1.51	3.03/-1.21	0.32/-1.13	-0.07/-0.38	0.58/-2.46	3.09/-4.03	1.68/-1.45	2.58/-2.36	1.36/-0.77	0.85/-3.23	2.77/-1.80	1.21/-1.07	-3.17/-3.21	-0.31/-0.56	-0.11/-1.41	2.07/-3.09
Θ(75°)	2.47/-2.01	1.24/-0.11	1.38/-2.63	4.30/-4.61	0.63/-0.51	0.59/-1.50	2.88/-2.21	2.43/-2.73	-0.01/-1.37	3.15/-0.93	-0.54/-1.75	1.07/-1.78	2.40/-3.21	1.30/-0.14	0.70/-0.65	-0.10/-0.36	0.60/-3.98	3.67/-2.12	1.63/-0.41	-0.42/-0.18	0.76/-0.09	0.17/-1.83	2.31/-1.67	
Θ(82.5°)	0.85/-1.39	0.31/-0.77	1.12/-2.02	3.29/-4.08	-0.58/-1.22	-0.36/-0.82	2.03/-0.69	0.81/-1.16	-1.36/-0.89	1.99/-0.32	-0.19/-1.69	0.43/-0.65	-1.63/-0.72	1.33/-2.35	0.93/-1.33	-1.04/-0.99	-2.61/-0.45	1.06/-4.62	3.96/-2.90	2.46/-0.45	0.25/-0.69	0.37/-0.06	-0.54/-0.98	0.65/-0.08
Θ(90°)	-1.22/-1.32	-0.95/-2.37	-1.08/-0.37	0.47/-1.70	-2.22/-2.44	-1.46/-0.55	0.26/-1.70	-0.57/-0.74	-2.60/-1.05	0.42/-0.46	-0.69/-0.68	-0.33/-1.03	-2.30/-1.12	-0.10/-1.08	0.32/-1.37	-1.34/-3.70	-4.37/-2.54	-0.52/-3.55	3.62/-2.30	1.36/-2.40	0.33/-1.04	-0.18/-1.76	-3.13/-1.04	0.77/-0.32
Θ(97.5°)	-3.51/-3.93	-4.73/-4.11	-3.29/-3.59	-3.22/-1.20	-3.13/-4.68	-3.18/-1.86	-1.47/-4.21	-2.74/-2.04	-3.51/-2.25	-0.76/-1.68	-1.20/-0.41	-0.99/-3.04	-3.46/-2.34	-0.36/-0.10	-0.63/-2.52	-2.95/-4.66	-6.01/-5.67	-2.85/-1.67	1.27/-0.54	-0.53/-3.65	-1.54/-0.05	-1.87/-5.10	-4.73/-3.13	-2.30/-2.64
Θ(105°)	-5.29/-8.79	-10.49/-8.83	-6.45/-6.20	-6.46/-2.47	-5.62/-6.36	-6.11/-4.37	-3.04/-4.03	-4.84/-4.79	-5.49/-3.52	-2.79/-3.07	-2.42/-1.86	-2.48/-4.82	-5.14/-4.32	-2.09/-0.40	-1.30/-4.98	-3.75/-4.99	-6.83/-7.57	-8.11/-1.71	-1.16/-5.67	-6.25/-7.91	-5.13/-4.28	-5.62/-7.83	-6.77/-4.43	-6.05/-6.81
Θ(112.5°)	-3.72/-5.91	-5.64/-7.65	-5.64/-6.44	-2.69/-1.52	-5.88/-6.75	-7.66/-6.55	-5.98/-7.04	-5.55/-3.99	-5.69/-4.44	-4.75/-3.98	-2.88/-1.94	-2.21/-4.15	-6.46/-5.21	-1.81/-1.96	-2.67/-4.51	-6.79/-6.01	-6.48/-8.53	-8.95/-2.74	-3.34/-6.88	-7.51/-6.67	-10.48/-5.01	-6.61/-9.13	-6.46/-6.97	-7.50/-9.39
Θ(120°)	-7.66/-5.24	-5.72/-6.60	-5.59/-5.97	-5.91/-5.36	-8.96/-10.32	-7.59/-6.24	-7.15/-7.50	-6.71/-3.97	-7.12/-4.17	-5.91/-4.96	-2.73/-4.67	-6.44/-9.80	-4.34/-3.09	-3.12/-4.55	-7.53/-3.53	-7.30/-14.55	-4.82/-9.53	-5.33/-6.75	-12.42/-5.76	-6.17/-10.00	-7.56/-9.47	-5.62/-8.17	-5.62/-8.17	
Θ(127.5°)	-13.54/-11.20	-10.83/-10.70	-9.78/-11.57	-15.05/-14.40	-13.96/-11.98	-10.30/-7.80	-5.38/-5.34	-9.76/-6.16	-7.21/-4.39	-5.37/-3.41	-3.46/-4.92	-5.11/-7.35	-7.20/-10.86	-6.50/-4.93	-5.78/-8.19	-5.89/-5.64	-7.95/-12.66	-7.77/-3.98	-2.52/-5.96	-5.54/-6.43	-10.73/-7.16	-9.26/-14.59	-12.20/-13.77	-5.84/-6.31
Θ(135°)	-9.68/-11.13	-10.19/-15.79	-13.55/-10.05	-8.18/-8.38	-12.81/-11.40	-10.64/-9.23	-9.16/-8.23	-10.71/-7.78	-7.81/-5.51	-4.71/-7.02	-5.71/-4.88	-6.67/-6.80	-7.31/-7.91	-7.30/-8.66	-5.79/-7.83	-7.91/-8.49	-8.41/-8.51	-10.09/-8.80	-4.74/-5.86	-8.43/-11.29	-11.04/-9.39	-8.29/-8.08	-10.91/-8.29	-9.89/-8.79
Θ(142.5°)	-7.94/-3.03	-7.49/-9.75	-7.20/-13.84	-9.84/-11.68	-11.28/-7.81	-7.55/-9.96	-10.25/-7.71	-7.86/-5.25	-6.42/-6.86	-7.69/-7.65	-5.43/-7.32	-8.31/-8.15	-8.22/-6.76	-6.00/-5.01	-4.37/-5.60	-9.45/-9.82	-12.09/-8.91	-8.41/-9.15	-8.61/-11.18	-10.94/-10.88	-9.20/-8.78	-7.74/-12.52	-12.47/-8.97	-7.64/-8.77
Θ(150°)	-10.61/-10.53	-12.64/-11.97	-10.89/-10.49	-12.80/-11.75	-14.47/-11.12	-14.77/-11.12	-8.83/-8.73	-9.19/-8.86	-7.58/-8.80	-9.39/-7.67	-6.21/-6.94	-8.26/-6.97	-6.75/-7.59	-7.68/-8.58	-8.59/-9.14	-9.06/-9.14	-12.33/-13.48	-11.64/-8.54	-6.20/-7.25	-8.69/-9.98	-12.74/-15.82	-13.19/-13.23	-12.99/-11.39	
Θ(157.5°)	-9.68/-7.38	-9.94/-13.47	-11.23/-14.90	-13.91/-11.09	-10.66/-11.57	-10.82/-10.12	-10.30/-10.15	-10.23/-10.00	-10.98/-10.98	-9.61/-8.72	-10.25/-10.41	-11.04/-12.55	-11.25/-10.19	-11.80/-11.31	-9.30/-8.07	-8.03/-9.43	-8.94/-7.37	-6.28/-6.59	-7.95/-10.29	-11.90/-13.14	-13.00/-11.99	-11.40/-12.88	-15.13/-13.92	-10.85/-11.45
Θ(165°)	-13.77/-14.03	-12.71/-11.54	-11.05/-11.01	-10.14/-11.02	-12.67/-13.47	-14.76/-14.95	-13.30/-11.80	-11.08/-10.75	-11.15/-12.58	-14.16/-13.80	-13.49/-13.68	-12.98/-11.94	-11.69/-11.93	-13.48/-12.59	-11.05/-9.54	-8.27/-8.08	-6.94/-6.36	-7.03/-7.34	-7.49/-8.88	-11.87/-13.68	-12.71/-11.97	-11.91/-11.97	-12.16/-11.24	-10.74/-12.17
Θ(172.5°)	-12.48/-12.21	-13.28/-12.10	-12.00/-11.84	-11.90/-13.45	-15.22/-15.60	-15.46/-14.15	-13.00/-12.80	-13.14/-14.15	-15.08/-15.50	-15.94/-15.88	-13.40/-11.86	-11.70/-10.70	-10.27/-10.23	-9.69/-9.82	-8.93/-7.83	-7.59/-8.17	-8.37/-9.71	-8.39/-8.54	-8.41/-9.98	-12.18/-13.62	-14.61/-14.38	-14.53/-16.01	-14.91/-13.68	-12.88/-12.13
Θ(180°)	-7.57/-7.79	-7.04/-7.69	-8.29/-9.00	-8.95/-8.73	-8.78/-9.09	-8.80/-8.94	-9.16/-9.51	-9.45/-8.83	-8.83/-9.21	-9.60/-9.08	-8.26/-8.77	-8.47/-7.86	-6.80/-7.77	-6.80/-6.93	-7.84/-9.13	-9.76/-9.78	-9.78/-9.92	-10.66/-11.16	-11.13/-12.43	-11.99/-12.45	-12.85/-12.76	-12.22/-9.88	-8.84/-8.91	-7.89/-7.27
Freq(Hz)	5.885GPol.	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°)	-4.10/-4.36	-4.48/-4.06	-3.74/-4.40	-4.96/-4.36	-4.22/-4.38	-4.55/-4.61	-5.05/-5.03	-5.18/-5.27	-5.33/-5.08	-4.58/-4.80	-5.33/-4.68	-4.70/-4.55	-3.97/-4.54	-4.64/-4.04	-4.24/-4.81	-5.06/-5.33	-4.98/-4.30	-3.81/-3.75	-3.81/-4.21	-4.46/-4.38	-4.46/-4.57	-4.69/-5.03	-4.53/-3.92	-3.73/-4.04
Θ(7.5°)	-5.26/-6.46	-6.94/-5.73	-5.42/-5.11	-5.21/-4.66	-4.40/-4.55	-4.41/-4.33	-4.17/-3.79	-3.57/-3.48	-3.36/-3.43	-3.34/-3.19	-4.28/-2.83	-2.23/-2.41	-2.52/-2.68	-3.32/-2.80	-2.20/-2.75	-3.45/-3.58	-3.79/-3.62	-3.55/-3.43	-3.45/-4.08	-4.54/-4.81	-5.38/-5.94	-6.33/-6.62	-6.19/-6.31	-6.26/-6.58
Θ(15°)	-8.77/-7.70	-6.49/-6.22	-6.27/-5.63	-5.76/-6.01	-5.33/-4.73	-4.01/-3.53	-3.15/-2.67	-2.31/-1.89	-1.32/-1.03	-0.90/-1.34	-1.81/-1.85	-1.25/-0.59	-0.19/-0.26	0.16/0.44	0.67/0.46	-0.43/-1.22	-1.61/-2.07	-2.67/-3.02	-3.68/-4.59	-5.90/-6.75	-7.47/-8.62	-8.63/-7.93	-7.61/-8.31	
Θ(22.5°)	-9.34/-9.16	-6.77/-6.07	-6.75/-7.04	-8.25/-8.57	-7.24/-5.66	-4.48/-3.54	-2.50/-1.60	-1.32/-0.74	-0.11/0.42	0.79/0.58	0.51/0.61	0.54/0.83	1.25/-1.26	0.97/1.12	1.58/-1.94	1.86/-1.56	1.00/0.10	-0.51/-0.87	-1.03/-1.66	-2.44/-2.93	-3.83/-4.66	-5.66/-7.23	-6.74/-5.86	-6.22/-7.52
Θ(30°)	-8.17/-9.97	-7.40/-7.26	-7.98/-8.02	-9.07/-9.15	-7.68/-5.11	-2.86/-1.83	-0.60/-0.15	-0.05/0.52	1.52/2.20	2.35/2.08	2.27/2.30	2.02/2.21	2.29/2.01	1.79/2.00	2.23/2.68	3.17/3.17	2.65/-1.68	0.55/-0.37	-0.33/-1.16	-2.66/-2.94	-3.56/-3.75	-4.28/-6.07	-6.16/-4.97	-4.05/-5.00
Θ(37.5°)	-2.62/-2.24	-2.05/-2.82	-4.91/-5.46	-5.10/-4.90	-3.20/-1.74	-1.07/-0.21	1.27/-1.77	1.52/-2.35	3.26/-3.55	3.29/-3.14	3.00/-2.34	1.91/-2.05	2.28/-2.46	2.61/-3.39	3.95/-3.75	3.68/-3.46	3.13/-2.41	1.45/-0.94	0.59/0.59	-1.94/-2.99	-2.84/-1.71	-1.93/-4.60	-3.90/-0.79	-1.53/-3.18
Θ(45°)	-0.59/-1.78	-2.24/-2.57	-3.54/-3.14	-1.03/0.06	0.52/0.23	0.18/-1.28	2.91/-3.07	2.49/-3.09	3.19/-2.55	1.61/-2.28	2.68/-2.83	3.58/-3.55	2.87/-2.46	2.82/-2.28	2.79/-3.34	4.01/-2.77	3.50/-2.85	1.39/0.26	1.88/2.54	1.25/0.87	0.69/-1.14	1.08/-2.05	-2.22/0.64	-0.65/-0.05
Θ(52.5°)	1.04/-0.91	-2.47/-2.49	-1.55/-0.54	1.08/-1.63	1.13/0.81	1.15/-1.74	2.85/-2.86	2.99/-3.68	2.38/-1.48	1.63/-2.92	2.13/-2.20	3.02/-2.50	2.49/-2.70	3.57/-3.77	2.89/-4.14	5.18/-3.80	2.57/-1.69	1.05/0.56	1.70/-2.34	1.36/-1.57	0.62/-0.14	0.86/-1.63	-0.65/-1.62	1.23/-1.33
Θ(60°)	3.59/-2.71	0.37/-0.87	0.66/-1.56	2.79/-2.79	2.14/-1.61	1.06/-2.34	2.97/-2.32	3.04/-3.71	1.51/-1.84	2.20/-2.72	1.41/-2.05	-0.38/-2.26	3.63/-4.55	1.68/-2.28	4.07/-3.84	3.06/0.80	1.43/0.85	1.96/-2.17	1.35/-1.02	-0.78/-3.50	-0.49/-1.54	0.68/-2.67	2.02/-2.47	
Θ(67.5°)	4.22/-2.63	1.15/-0.96	1.56/-2.28	4.55/-3.77	1.58/-1.51	0.80/-2.76	3.25/-2.01	3.21/-2.17	0.41/-2.46	2.86/-2.08	1.12/-2.91	-0.09/-0.43	-1.25/-1.68	2.87/-3.76	0.91/-0.95	1.98/-4.44	2.74/-1.11	0.92/-3.22	2.63/-1.91	1.76/0.84	-0.12/-2.46	0.23/-1.14	0.86/-2.62	2.74/-3.30
Θ(75°)	2.90/-2.58	1.54/-1.47	1.75/-4.29	4.92/-3.90	0.34/0.59	0.01/-2.77	3.33/-1.49	2.29/-1.80	-2.02/-2.28	2.17/-1.75	1.69/-3.88	1.30/-0.95	-0.91/-0.40	0.85/-2.79	0.28/-0.42	0.13/-1.43	1.72/-0.12							



Antenna Pattern of Scan Radio/LE

Appendix B.3

Θ(67.5°)	2.72/1.13	-0.45/0.57	1.62/3.59	3.61/1.36	1.70/1.32	1.47/0.01	0.55/1.08	0.98/0.92	-0.18/0.51	0.85/1.22	-0.29/1.56	-0.49/-1.50	-1.31/-2.44	-1.78/-2.04	-2.19/-3.94	0.23/1.42	1.87/0.47	0.80/-0.71	1.55/1.74	1.55/1.43	-0.67/0.53	-4.87/0.87	0.07/0.54	1.01/1.78
Θ(75°)	2.14/0.26	-2.02/-0.53	1.36/3.25	4.27/-0.25	1.57/0.34	2.23/0.78	0.55/1.04	1.00/0.48	-0.81/-0.02	-0.85/-0.17	-2.40/0.45	-0.37/0.84	-0.04/-2.44	-1.88/-2.26	-0.37/-3.63	-1.40/0.25	0.59/-0.25	0.33/-0.91	1.49/2.33	2.66/2.29	-0.79/0.01	-1.70/2.21	0.41/0.35	0.99/1.06
Θ(82.5°)	0.79/-1.79	-3.90/-1.35	1.10/2.89	3.48/-1.17	0.88/-0.95	1.77/-0.95	-1.35/0.55	-0.53/-0.33	-1.25/-0.65	-1.79/-2.07	-2.00/0.36	0.10/0.51	-0.31/-1.48	-2.14/-0.78	0.39/-3.17	-1.26/-1.58	-1.29/-1.14	-0.76/-0.28	1.42/2.27	1.90/2.05	-0.78/0.99	0.46/1.84	0.03/-0.38	0.07/1.02
Θ(90°)	-0.19/-2.76	-5.29/-2.18	0.87/0.77	1.50/-3.70	-1.54/-2.06	0.40/-4.09	-3.16/-2.23	-2.12/-2.11	-3.22/-2.28	-3.59/-3.25	-3.29/-0.65	-0.49/0.65	-1.08/-0.73	-1.90/-1.26	0.07/-1.93	-2.08/-2.68	-4.48/-1.77	-1.97/-0.90	0.85/1.85	1.23/1.28	-1.28/0.53	0.35/0.24	-2.14/-2.58	-0.97/-3.24
Θ(97.5°)	-2.80/-6.01	-6.10/-2.58	-0.93/-1.61	-1.38/-4.51	-3.43/-2.74	-1.53/-7.46	-5.44/-3.92	-3.64/-4.34	-4.40/-3.75	-4.75/-3.80	-3.25/-1.69	-0.94/-0.52	-1.12/-1.29	-2.64/-0.85	-1.13/-1.60	-2.12/-2.87	-5.55/-2.49	-3.33/-3.52	-0.50/0.36	-1.06/-1.44	-3.31/-2.26	-0.90/-2.98	-6.70/-5.59	-1.83/-4.42
Θ(105°)	-8.76/-13.32	-8.88/-6.66	-6.05/-5.63	-5.56/-4.19	-4.92/-5.22	-4.24/-5.58	-7.07/-5.16	-3.90/-5.22	-6.42/-5.42	-7.38/-5.99	-4.76/-2.05	-1.26/-1.84	-1.70/-2.45	-2.08/-1.91	-1.92/-1.75	-5.08/-3.62	-4.64/-6.27	-6.20/-4.86	-3.39/-3.78	-7.68/-4.70	-8.15/-5.00	-2.77/-5.82	-10.38/-8.33	-4.16/-7.33
Θ(112.5°)	-4.30/-8.92	-12.57/-9.50	-6.20/-5.94	-3.48/-7.01	-10.54/-6.44	-11.12/-8.83	-6.88/-6.70	-5.17/-9.00	-11.08/-6.99	-7.16/-6.49	-5.63/-3.63	-2.40/-4.25	-2.48/-3.01	-3.10/-2.09	-2.92/-3.50	-7.03/-4.42	-6.91/-9.02	-7.77/-6.01	-3.96/-4.82	-8.89/-5.24	-15.41/-11.26	-4.19/-5.54	-10.97/-9.93	-5.70/-9.08
Θ(120°)	-6.51/-8.93	-9.89/-10.66	-4.41/-5.62	-5.55/-13.50	-14.29/-12.56	-8.35/-10.02	-7.79/-10.30	-7.77/-4.67	-9.80/-10.58	-10.65/-5.92	-5.80/-4.44	-2.88/-5.22	-3.50/-6.47	-4.45/-3.82	-3.81/-2.53	-6.03/-5.73	-8.90/-11.50	-11.47/-4.92	-5.50/-4.93	-7.97/-6.77	-9.67/-11.82	-8.47/-8.14	-10.24/-7.16	-7.25/-7.00
Θ(127.5°)	-12.00/-12.23	-14.82/-9.45	-7.47/-9.71	-13.16/-14.56	-15.24/-8.60	-9.69/-8.97	-5.89/-7.58	-8.22/-7.63	-8.05/-6.94	-9.53/-8.50	-7.60/-4.94	-4.76/-4.71	-4.71/-4.40	-6.54/-6.39	-8.99/-13.04	-12.86/-8.14	-6.05/-5.91	-8.76/-13.94	-8.35/-6.18	-9.00/-15.97	-15.91/-10.02	-10.64/-9.40		
Θ(135°)	-9.91/-11.70	-12.74/-12.22	-9.89/-8.23	-8.43/-14.88	-13.92/-10.39	-13.71/-9.49	-8.91/-11.87	-9.90/-11.00	-8.47/-8.70	-7.48/-10.04	-6.37/-7.33	-5.42/-5.94	-7.52/-7.13	-7.10/-8.96	-10.54/-5.15	-4.27/-4.89	-5.65/-10.98	-11.75/-9.91	-11.59/-8.39	-8.47/-12.09	-10.54/-8.90	-10.62/-14.99	-7.78/-10.83	-7.75/-7.33
Θ(142.5°)	-10.44/-13.41	-9.38/-9.16	-9.89/-14.21	-13.45/-9.91	-8.81/-10.99	-14.66/-10.39	-14.23/-12.01	-11.52/-11.07	-8.08/-11.63	-9.81/-9.91	-7.44/-6.19	-8.20/-7.66	-6.22/-6.65	-6.33/-7.64	-7.04/-5.25	-7.78/-10.59	-11.14/-10.39	-9.39/-8.18	-7.68/-10.07	-11.31/-9.54	-6.96/-7.53	-13.59/-12.61	-15.35/-10.68	-10.58/-9.39
Θ(150°)	-14.38/-13.85	-9.21/-10.22	-14.89/-15.05	-13.09/-11.90	-10.48/-12.00	-12.25/-8.67	-8.85/-9.46	-9.45/-8.27	-9.48/-8.09	-7.03/-6.01	-8.29/-7.16	-4.90/-5.65	-7.27/-7.80	-6.42/-6.74	-8.66/-8.23	-8.92/-11.87	-10.55/-8.48	-9.67/-13.06	-10.43/-11.41	-12.38/-10.94	-10.42/-9.24	-10.13/-8.47	-10.41/-15.64	-10.46/-9.26
Θ(157.5°)	-14.72/-14.26	-12.11/-15.23	-15.03/-15.09	-11.16/-9.86	-10.00/-10.90	-15.57/-15.38	-11.13/-10.78	-11.96/-10.57	-10.22/-12.05	-10.71/-8.53	-8.73/-11.68	-13.04/-11.05	-10.13/-11.87	-12.45/-11.30	-11.02/-12.28	-10.74/-9.67	-9.23/-10.64	-10.25/-10.26	-10.43/-9.91	-9.56/-11.67	-13.39/-12.72	-12.53/-12.92	-13.75/-10.01	-7.90/-10.09
Θ(165°)	-9.29/-13.09	-14.98/-13.79	-13.76/-15.56	-13.70/-13.95	-16.00/-13.86	-12.01/-11.39	-11.81/-12.44	-13.33/-13.46	-12.31/-12.45	-13.89/-13.21	-11.90/-9.56	-9.99/-12.17	-13.99/-15.03	-13.83/-14.42	-12.76/-10.34	-10.77/-10.69	-8.56/-6.80	-6.56/-8.72	-10.19/-10.88	-12.23/-15.06	-16.01/-14.64	-16.01/-10.09	-11.82/-12.61	-13.87/-11.33
Θ(172.5°)	-9.20/-7.67	-8.18/-7.78	-7.54/-8.65	-9.83/-10.68	-10.70/-11.19	-11.38/-10.20	-9.97/-10.94	-11.62/-9.96	-8.25/-7.15	-8.52/-11.00	-12.06/-12.43	-12.32/-11.74	-11.27/-11.64	-12.22/-11.07	-9.03/-8.57	-9.33/-10.58	-11.72/-13.00	-12.43/-13.00	-14.52/-13.57	-13.00/-12.06	-10.96/-10.39	-10.72/-9.51	-8.85/-10.06	
Θ(180°)	-11.16/-11.31	-10.83/-11.31	-12.80/-12.25	-11.64/-10.86	-10.95/-12.02	-12.77/-11.51	-10.62/-12.06	-11.89/-10.62	-10.95/-11.47	-10.72/-10.33	-10.32/-9.37	-9.40/-9.08	-9.82/-10.06	-9.04/-9.08	-10.02/-10.77	-11.51/-12.01	-13.29/-15.38	-15.04/-15.24	-14.57/-14.90	-14.31/-13.58	-14.72/-13.06	-12.00/-10.71	-10.30/-11.59	-12.03/-12.14
Freq(Hz)	6.995GPdL	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°)	0.79/1.28	0.87/0.72	1.13/1.05	1.02/1.00	1.21/1.22	1.28/1.51	1.72/1.66	1.38/1.24	1.11/0.81	0.87/0.83	0.74/0.72	0.45/0.18	0.52/1.12	0.94/1.04	1.46/1.30	1.08/1.14	1.44/1.46	1.52/1.69	1.86/1.79	1.59/1.50	1.13/0.97	0.66/0.96	0.86/0.61	0.74/0.92
Θ(7.5°)	-0.18/-0.13	-0.17/0.08	0.76/0.67	0.76/1.16	1.32/1.31	1.37/1.64	1.65/1.50	1.38/1.23	1.09/1.13	1.12/0.41	1.13/1.41	1.40/1.02	1.06/1.66	1.33/1.32	1.43/1.36	1.37/1.24	0.94/0.66	0.41/0.28	0.18/0.13	-0.47/-0.48	-0.62/-0.99	-0.76/-0.43	-0.70/-0.80	-0.60/-0.43
Θ(15°)	-3.33/-4.28	-4.81/-4.33	-4.29/-4.21	-4.01/-3.62	-2.68/-1.80	-1.40/-0.93	-1.90/-4.03	1.02/1.40	1.85/2.65	3.31/3.51	3.74/3.67	3.22/3.13	3.17/3.05	3.34/3.38	3.86/3.62	3.24/2.97	2.77/3.18	-1.36/-2.19	-2.77/3.45	-4.22/4.07	-3.94/4.54	-4.62/-4.37		
Θ(22.5°)	-4.00/-3.98	-3.39/-2.51	-2.23/-2.49	-1.46/-0.62	0.04/0.74	0.71/0.54	0.73/1.32	1.69/2.05	2.74/3.49	3.74/3.91	3.71/3.50	3.53/3.42	3.25/3.05	3.07/3.06	3.14/3.71	4.19/3.89	3.50/3.52	3.24/2.69	1.28/0.82	-2.75/-3.16	-3.53/-4.46	-6.99/-8.81	-9.44/-10.01	-10.06/-6.37
Θ(30°)	-4.67/-5.05	-5.15/-3.98	-3.10/-12.22	-1.81/-4.10	-0.40/0.12	-0.24/-0.14	0.62/0.29	2.04/1.26	1.96/3.29	3.52/3.40	3.69/4.39	4.52/3.80	2.98/2.79	3.01/2.65	2.63/3.83	4.74/4.82	4.55/3.31	1.77/1.45	1.35/0.80	-0.25/-0.37	0.05/-1.59	-6.40/-9.05	-9.01/-9.47	-14.67/-9.25
Θ(37.5°)	-3.51/-3.36	-6.39/-6.05	-5.31/-1.46	-2.20/-3.48	-2.99/0.06	0.99/-0.24	1.82/0.29	1.61/2.59	2.01/2.32	3.01/3.26	1.30/1.84	2.95/3.21	2.70/3.83	2.07/2.81	3.15/2.75	1.66/0.72	0.91/-0.16	-1.07/-0.73	-2.36/-2.67	-2.36/-2.15	-3.18/-8.24	-14.62/-5.70		
Θ(45°)	-4.37/-1.85	-2.36/-2.30	-1.39/-0.35	-0.96/-0.95	-1.80/0.24	2.03/0.78	0.72/1.79	1.40/0.15	0.69/0.87	0.94/-1.99	2.57/2.52	1.72/0.95	-0.13/-1.13	0.10/-0.16	0.72/-0.78	-1.76/0.37	0.39/1.60	1.07/-0.04	0.66/1.14	1.48/0.26	0.35/-0.71	-1.49/-1.55	-1.72/-5.96	-4.95/-2.49
Θ(52.5°)	-4.60/-6.49	-3.50/-3.45	-2.51/0.68	-0.02/1.12	0.35/1.16	1.47/0.41	1.89/1.74	1.03/-1.09	0.94/0.49	1.30/1.06	1.45/-1.62	-0.02/-2.65	-3.70/-1.89	-0.67/-1.56	-1.98/-1.69	0.73/1.79	1.71/-4.3	0.03/-0.24	-0.03/0.34	2.62/1.36	0.72/1.07	0.94/0.02	-1.10/-4.58	-1.16/-1.22
Θ(60°)	0.01/-3.16	-4.21/-1.60	-0.15/-1.76	1.07/1.32	2.53/0.23	1.73/-1.91	1.83/-1.79	1.30/0.84	0.69/1.15	1.62/-0.44	-0.34/0.86	-0.37/-0.82	-1.30/-2.41	-1.99/-1.07	1.30/-2.04	2.03/-3.60	-0.04/0.16	-0.56/-0.05	2.08/0.92	0.51/0.67	0.29/0.49	1.05/-1.10	-0.56/0.94	
Θ(67.5°)	0.95/-1.31	-2.14/-1.60	3.06/3.14	3.69/0.91	2.88/2.70	2.52/2.58	1.50/-1.44	1.44/0.97	1.00/1.23	-0.91/-3.16	-0.55/0.15	0.97/0.33	-2.01/-3.60	-2.03/-1.26	0.66/-1.93	-0.01/-0.78	-0.27/0.22	-0.33/-0.31	-1.01/-1.14	1.67/1.72	0.71/-1.87	-1.83/0.86	2.30/0.81	0.75/1.42
Θ(75°)	0.42/-1.14	-1.91/-1.41	2.97/2.77	4.73/-0.37	2.85/2.73	2.31/1.65	1.08/-0.09	0.90/0.02	1.29/1.34	-1.47/-3.86	-0.44/-0.52	1.77/-0.11	-1.82/-1.78	-2.53/-1.98	0.38/-0.66	-0.61/-1.80	-2.35/-1.29	-0.79/-0.46	-1.11/-1.56	1.40/2.47	1.39/-0.57	-0.48/2.65	2.48/1.22	1.42/1.11
Θ(82.5°)	-2.07/-2.56	-2.97/-0.99	2.46/1.59	3.75/-2.36	1.22/2.45	0.74/1.31	1.52/-0.60	-0.14/-1.66	0.79/0.26	-2.03/-2.54	-0.77/-7.73	1.53/-0.55	-1.05/-1.74	-1.59/-2.87	0.42/-0.95	-2.29/-1.20	-4.44/-2.36	-1.99/0.53	-1.00/1.79	0.46/2.71	0.35/0.27	-0.14/2.76	1.14/-0.09	1.35/-0.88
Θ(90°)	-2.89/-4.40	-3.93/-1.80	0.89/0.64	2.77/-4.21	-0.72/1.27	-2.07/-0.28	0.76/-1.59	-1.59/-2.26	0.16/-0.59	-1.59/-2.94	-1.30/-0.98	-1.28/-0.83	0.05/-1.17	-1.36/-2.35	-0.22/-0.09	-3.39/-2.21	-5.57/-4.71	-2.35/-0.35	-1.28/1.71	-0.64/1.93	0.49/1.06	0.61/1.79	-0.28/-1.97	-0.38/-1.48
Θ(97.5°)	-4.09/-6.41	-5.32/-3.50	-1.12/-1.32	1.17/-4.23	-2.45/-0.73	-4.43/-2.11	-1.01/-3.77	-3.08/-2.63	-0.85/-1.90	-2.44/-2.88	-1.70/-0.56	0.71/-1.46	-0.46/-1.04	-2.28/-1.81	-0.68/-0.41	-2.94/-3.61	-4.63/-7.39	-4.35/-3.40	-3.95/-0.16	-1.59/-0.40	-1.51/-0.86	-1.65/-2.08	-4.19/-4.00	-1.97/-6.97
Θ(105°)	-8.95/-9.37	-8.85/-6.65	-4.40/-6.97	-2.95/-3.34	-2.99/-4.58	-5.73/-6.77	-4.85/-6.97	-3.58/-4.17	-3.02/-3.62	-2.73/-2.82	-3.07/-1.44	-0.42/-1.03	-0.24/-1.61	-1.75/-2.41	-1.18/-0.56	-3.02/-3.49	-5.21/-6.89	-9.41/-6.38	-3.81/-4.97	-9.26/-4.13	-8.87/-5.22	-3.00/-5.08	-8.55/-6.37	-2.86/-9.01
Θ(112.5°)	-6.31/-15.40	-15.52/-9.08	-6.41/-6.16	-5.08/-4.97	-5.81/-9.70	-7.81/-9.37	-3.64/-5.48	-4.05/-3.13	-2.85/-5.73	-3.97/-3.72	-3.36/-2.48	-2.21/-1.94	-1.07/-2.22	-2.05/-2.44	-1.90/-1.67	-3.28/-3.74	-4.58/-10.34	-11.39/-3.71	-5.19/-3.78	-10.25/-5.10	-12.55/-14.49	-4.51/-4.70	-6.83/-6.65	-4.18/-12.20
Θ(120°)	-7.71/-12.60	-12.81/-8.04	-4.03/-5.84	-4.70/-13.37	-13.43/-11.98	-10.62/-5.76	-5.15/-4.60	-4.70/-5.17	-5.18/-4.97	-5.06/-4.88	-4.13/-3.18	-4.08/-4.71	-2.76/-3.17											



Antenna Pattern of Scan Radio/LE

Appendix B.3

Θ (112.5°)	-2.78/-3.07	-4.27/-3.99	-2.86/-1.96	-3.88/-6.00	-4.62/-4.75	-6.46/-4.80	-4.07/-3.26	-3.39/-4.86	-4.25/-5.80	-7.00/-8.53	-6.71/-6.00	-5.84/-3.99	-7.33/-7.15	-6.82/-5.83	-7.84/-7.98	-7.33/-6.94	-5.01/-5.99	-8.09/-2.63	-2.42/-2.39	-5.83/-4.85	-3.80/-2.05	-2.56/-5.02	-2.91/-4.88	-4.52/-5.04
Θ (120°)	-3.65/-4.69	-4.83/-6.07	-3.28/-2.58	-4.02/-7.84	-5.17/-6.58	-7.85/-6.30	-5.83/-4.02	-4.63/-7.22	-7.47/-6.01	-6.25/-9.21	-11.80/-8.50	-7.22/-3.62	-7.38/-6.53	-7.45/-4.86	-9.51/-9.14	-9.01/-8.94	-6.96/-11.00	-9.96/-4.09	-1.98/-3.19	-5.16/-8.46	-7.81/-3.10	-2.39/-7.88	-5.36/-5.71	-5.06/-6.03
Θ (127.5°)	-4.88/-6.56	-7.50/-6.62	-3.66/-4.55	-6.55/-7.04	-7.26/-6.83	-5.67/-6.79	-9.26/-6.66	-5.21/-6.89	-10.15/-7.23	-7.64/-8.36	-12.50/-13.19	-9.51/-9.57	-8.15/-15.38	-12.62/-8.25	-14.45/-8.00	-9.26/-6.84	-7.44/-5.74	-2.93/-3.74	-5.63/-7.47	-8.95/-5.35	-5.06/-6.37	-6.05/-6.40	-5.88/-5.58	
Θ (135°)	-5.02/-5.03	-7.15/-7.38	-8.07/-6.38	-7.53/-8.19	-8.09/-9.96	-8.20/-6.29	-6.24/-6.87	-6.02/-6.15	-7.32/-8.10	-14.14/-8.71	-7.27/-10.32	-7.01/-8.53	-7.05/-11.86	-7.19/-7.90	-8.68/-8.00	-13.89/-11.66	-9.08/-9.99	-8.58/-6.64	-8.22/-6.62	-5.32/-6.69	-9.63/-7.37	-8.57/-8.20	-7.08/-8.13	-6.60/-6.74
Θ (142.5°)	-8.62/-6.79	-7.16/-7.59	-8.14/-8.72	-7.70/-7.35	-8.41/-10.15	-11.41/-12.81	-9.72/-6.89	-6.73/-9.09	-9.16/-7.47	-3.77/-7.41	-8.38/-14.65	-8.51/-7.23	-7.76/-9.77	-8.95/-11.63	-10.08/-14.70	-10.83/-12.07	-12.06/-11.71	-11.56/-10.83	-11.41/-9.72	-7.15/-7.92	-9.17/-9.99	-12.09/-9.31	-8.26/-8.27	
Θ (150°)	-7.61/-7.58	-8.20/-8.50	-7.13/-7.29	-7.60/-7.32	-7.61/-7.61	-7.23/-9.27	-11.51/-9.53	-8.38/-7.93	-7.90/-7.63	-6.56/-6.88	-8.79/-12.69	-11.09/-9.59	-11.88/-15.21	-11.78/-12.64	-15.21/-13.61	-12.05/-13.81	-15.01/-14.39	-13.66/-11.89	-15.19/-11.20	-8.05/-9.57	-13.86/-13.60	-12.60/-11.53	-13.42/-10.14	-7.89/-8.26
Θ (157.5°)	-9.62/-8.91	-7.92/-7.60	-7.20/-6.74	-6.53/-8.04	-8.60/-7.37	-8.06/-11.07	-12.31/-8.90	-6.39/-5.82	-7.41/-10.89	-15.67/-14.90	-12.21/-9.44	-8.16/-10.07	-13.06/-9.70	-8.71/-10.69	-12.91/-13.66	-14.30/-13.32	-10.84/-9.26	-10.19/-13.32	-15.67/-11.21	-8.99/-9.88	-11.33/-10.67	-11.28/-12.57	-14.17/-13.83	-12.71/-10.54
Θ (165°)	-8.45/-10.67	-12.02/-11.38	-11.45/-12.24	-12.81/-12.95	-10.92/-9.71	-9.76/-10.95	-12.32/-12.51	-11.47/-10.61	-11.13/-12.26	-13.48/-14.91	-15.53/-15.74	-15.15/-15.39	-10.51/-13.44	-10.72/-10.70	-10.95/-11.66	-10.58/-9.37	-9.27/-10.93	-13.04/-12.95	-11.92/-10.05	-9.09/-9.26	-9.29/-9.50	-9.13/-8.97	-9.14/-8.52	-7.98/-7.65
Θ (172.5°)	-7.32/-7.45	-7.96/-7.83	-6.90/-6.66	-7.53/-7.83	-7.62/-8.44	-9.47/-9.93	-10.55/-11.69	-12.69/-13.60	-13.69/-12.01	-10.26/-8.85	-8.11/-8.19	-8.74/-9.44	-10.39/-11.04	-10.70/-10.87	-11.48/-12.93	-13.29/-11.84	-11.65/-12.86	-12.88/-11.07	-9.75/-8.28	-7.44/-6.85	-6.40/-6.33	-6.56/-6.85	-7.32/-7.98	-7.88/-7.40
Θ (180°)	-7.87/-9.02	-9.68/-8.77	-8.88/-10.01	-10.39/-10.30	-10.45/-11.97	-13.45/-14.01	-13.98/-13.53	-13.05/-13.44	-13.79/-13.40	-12.90/-11.30	-10.37/-11.18	-13.24/-15.00	-14.39/-13.01	-10.78/-9.76	-9.39/-9.27	-9.09/-8.88	-8.81/-8.33	-8.21/-8.48	-8.81/-8.82	-9.28/-9.95	-10.35/-10.45	-10.68/-9.40	-8.39/-8.22	-8.21/-7.49
Freq(Hz)	5.6GPol.	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°)	-6.19/-5.53	-5.92/-5.99	-5.76/-5.81	-6.29/-6.75	-6.91/-6.11	-5.38/-4.99	-4.71/-4.65	-4.90/-5.06	-5.65/-5.80	-5.21/-4.78	-5.05/-5.73	-5.54/-4.74	-4.55/-5.30	-5.10/-4.17	-4.44/-5.37	-5.58/-5.70	-5.09/-4.72	-4.93/-5.26	-5.81/-6.11	-6.43/-6.43	-6.29/-5.93	-6.32/-6.11	-5.77/-5.64	-6.43/-6.25
Θ (7.5°)	-4.17/-3.19	-3.15/-4.15	-4.12/-3.16	-3.35/-4.44	-4.75/-4.07	-3.90/-4.44	-4.94/-5.43	-6.52/-6.82	-6.82/-7.24	-7.65/-7.50	-7.88/-8.44	-8.46/-8.06	-7.29/-6.95	-7.84/-7.30	-6.34/-7.09	-6.71/-5.60	-4.94/-4.41	-4.26/-4.13	-4.02/-3.99	-3.88/-3.55	-3.27/-3.50	-4.09/-4.17	-4.04/-3.89	-4.00/-4.15
Θ (15°)	-2.15/-1.62	-1.60/-1.90	-2.74/-3.09	-2.95/-2.65	-2.51/-2.49	-2.06/-1.76	-1.68/-2.16	-3.14/-4.37	-4.69/-4.84	-5.86/-6.03	-6.49/-9.04	-12.56/-14.95	-13.32/-13.72	-11.79/-8.22	-5.89/-4.85	-4.29/-3.26	-2.59/-2.57	-3.09/-3.36	-3.19/-2.88	-2.54/-1.82	-1.34/-1.77	-1.87/-1.57	-1.50/-1.88	-2.11/-2.44
Θ (22.5°)	-0.560/-45	0.800/-33	-0.53/-0.08	-0.30/-0.15	-1.04/-1.33	-0.88/-1.34	-2.47/-3.05	-3.23/-4.01	-4.28/-4.23	-6.50/-10.05	-12.01/-13.76	-10.67/-8.36	-7.55/-7.28	-6.38/-4.98	-3.98/-3.55	-3.35/-2.73	-1.96/-1.46	-1.80/-1.78	-1.49/-1.79	-1.51/-1.03	-0.46/-0.80	0.05/-0.14	-1.63/-1.03	0.68/-0.4
Θ (30°)	-0.030/-59	1.041/-02	1.141/-73	0.680/-78	0.100/-17	0.400/-20	-1.00/-2.16	-2.23/-3.24	-3.86/-3.15	-3.34/-3.23	-2.02/-1.78	-3.93/-7.95	-9.17/-9.67	-7.59/-6.73	-7.63/-8.35	-7.70/-5.94	-2.39/-0.62	-0.32/-0.50	-0.190/-42	0.630/-60	0.02/-0.44	-1.08/-1.51	-1.91/-2.35	-1.54/-0.44
Θ (37.5°)	1.502/-08	2.412/-59	2.352/-03	1.931/-99	1.811/-33	0.32/-0.46	-1.24/-2.83	-4.32/-5.34	-4.89/-2.73	-2.76/-3.97	-1.04/-0.21	-2.09/-2.73	-1.96/-2.60	-2.91/-2.16	-3.11/-6.42	-6.16/-5.56	-2.78/-1.55	-1.77/-1.99	-0.610/-90	1.021/-15	0.46/-0.10	0.05/-0.14	-1.63/-1.03	0.68/-0.4
Θ (45°)	0.571/-66	2.853/-62	3.733/-24	2.441/-88	2.352/-62	1.970/-30	-1.08/-1.51	-1.93/-2.67	-3.03/-2.11	-3.25/-3.91	0.36/-1.12	0.270/-22	-0.13/-1.26	-2.02/-1.67	-3.81/-6.24	-7.44/-4.84	-2.62/-1.44	-0.070/-66	1.041/-46	1.421/-56	1.611/-27	0.610/-30	-0.97/-1.80	-1.01/-0.11
Θ (52.5°)	0.461/-70	2.293/-33	4.244/-44	2.871/-84	2.692/-92	2.952/-15	0.826/-67	0.03/-0.83	-1.49/-0.99	-1.29/-1.17	1.831/-38	1.091/-76	1.831/-08	-0.01/-0.83	-2.42/-5.28	-7.10/-3.03	-0.86/-0.43	0.261/-16	2.262/-68	2.362/-40	2.672/-25	1.320/-49	-1.57/-2.06	-1.89/-1.02
Θ (60°)	0.881/-93	2.113/-15	3.644/-24	3.102/-20	2.672/-77	3.503/-48	2.172/-04	2.921/-58	-0.53/-1.04	-1.17/-0.60	1.652/-11	2.653/-34	4.093/-47	1.08/-0.75	-1.04/-4.22	-5.18/-2.93	-1.03/-0.36	0.070/-65	2.132/-55	2.282/-78	2.692/-51	1.300/-20	-1.30/-0.37	-0.530/-60
Θ (67.5°)	-0.161/-88	2.432/-84	3.003/-21	2.621/-98	2.332/-91	3.543/-78	2.912/-81	3.851/-77	0.23/-0.78	-1.94/-0.90	1.653/-08	3.154/-14	4.553/-93	2.130/-80	-0.02/-1.22	-2.42/-9.07	-0.930/-06	0.641/-73	2.733/-10	2.543/-19	2.892/-48	1.891/-13	-0.730/-04	-0.73/-0.40
Θ (75°)	-1.221/-22	1.472/-36	2.852/-45	1.790/-19	1.312/-20	2.442/-82	2.643/-01	3.881/-57	-0.06/-1.94	-1.89/-2.54	-0.402/-71	3.263/-53	4.023/-56	3.081/-67	-0.91/-1.03	-1.470/-16	-1.181/-43	3.624/-01	3.602/-80	2.331/-62	2.351/-69	-1.07/-0.55	-1.93/-1.29	
Θ (82.5°)	-1.340/-32	0.551/-20	2.211/-88	1.021/-64	0.171/-50	1.291/-74	2.162/-02	2.460/-58	0.49/-0.43	-3.79/-4.98	-2.441/-37	2.142/-57	1.781/-97	1.850/-54	-2.23/-2.95	-2.10/-0.07	-2.131/-50	2.312/-67	4.484/-24	3.682/-29	1.411/-01	2.201/-44	-1.26/-1.36	-3.66/-2.02
Θ (90°)	-2.55/-0.90	0.460/-80	1.180/-50	-0.80/-2.59	-3.110/-13	0.100/-62	1.091/-40	1.73/-0.72	-1.99/-4.62	-3.73/-8.04	-6.69/-1.07	0.710/-71	-0.48/-0.29	-0.33/-0.50	-3.64/-4.31	-4.82/-2.37	-1.031/-45	1.681/-66	4.213/-41	2.641/-10	-0.79/-0.25	1.360/-74	-2.45/-0.36	-4.84/-3.57
Θ (97.5°)	-1.70/-2.53	-0.230/-19	0.061/-90	-1.91/-3.24	-3.871/-1.71	-1.51/-0.48	-0.35/-0.20	-0.03/-2.19	-2.92/-4.38	-5.19/-3.43	-6.23/-3.54	-2.07/-2.54	-5.50/-2.68	-3.48/-3.14	-7.03/-7.98	-4.54/-3.31	-2.31/-0.59	-1.25/-0.54	2.421/-14	0.23/-1.56	-2.09/-0.63	-0.04/-0.73	-1.86/-4.27	-4.30/-3.47
Θ (105°)	-2.83/-2.96	-0.36/-0.02	-0.60/-2.65	-3.81/-4.19	-6.73/-2.99	-2.131/-52	-2.70/-3.10	-1.15/-2.54	-4.69/-4.74	-6.37/-8.26	-5.11/-2.69	-3.46/-4.54	-7.73/-5.72	-7.79/-7.74	-9.44/-9.74	-5.78/-3.55	-3.14/-3.88	-6.50/-4.14	-2.08/-0.44	-3.25/-5.44	-4.40/-0.90	-0.57/-2.45	-2.90/-4.50	-3.73/-3.06
Θ (112.5°)	-2.56/-2.35	-1.17/-0.68	-1.70/-2.86	-3.25/-1.05	-8.81/-4.99	-3.00/-2.80	-3.60/-2.48	-2.01/-4.18	-3.11/-5.42	-10.46/-6.49	-6.20/-5.76	-6.96/-5.71	-7.67/-4.52	-5.41/-3.49	-7.48/-9.90	-7.84/-6.13	-6.33/-6.08	-8.84/-2.40	-5.63/-2.02	-4.08/-6.95	-5.35/-1.37	-3.98/-4.54	-3.11/-6.45	-4.73/-3.93
Θ (120°)	-3.79/-3.86	-3.47/-2.92	-5.25/-4.45	-3.97/-6.17	-8.43/-6.02	-5.37/-4.89	-3.64/-2.38	-2.70/-5.38	-5.29/-7.53	-8.91/-9.94	-9.92/-7.39	-5.56/-5.56	-8.12/-7.18	-6.86/-4.46	-8.32/-11.09	-8.16/-8.84	-8.56/-10.79	-11.45/-3.65	-4.17/-2.78	-8.81/-12.54	-6.13/-3.10	-3.84/-3.85	-5.39/-8.30	-5.97/-8.54
Θ (127.5°)	-4.94/-4.40	-4.97/-5.82	-4.25/-3.76	-4.99/-9.56	-7.14/-7.40	-7.34/-5.03	-5.92/-6.96	-5.67/-5.03	-8.11/-8.38	-6.79/-9.39	-13.02/-13.00	-9.58/-8.39	-11.17/-14.11	-14.29/-14.00	-11.85/-7.33	-11.54/-8.75	-6.14/-5.27	-7.35/-5.25	-2.84/-4.37	-7.79/-9.30	-9.10/-5.80	-4.61/-8.48	-8.40/-9.28	-6.69/-7.23
Θ (135°)	-5.97/-6.88	-7.23/-6.73	-5.20/-5.10	-6.75/-8.81	-9.85/-11.30	-8.48/-7.21	-6.87/-6.27	-6.31/-5.21	-5.41/-6.22	-10.80/-10.84	-7.79/-9.87	-11.18/-9.02	-7.40/-11.54	-9.31/-7.37	-11.57/-9.60	-14.96/-11.17	-6.53/-8.42	-8.97/-9.76	-9.89/-6.97	-7.02/-10.03	-6.39/-8.18	-10.52/-8.49	-7.01/-6.50	-5.90/-3.87
Θ (142.5°)	-7.00/-8.79	-6.83/-4.93	-5.32/-6.24	-7.02/-7.75	-8.76/-9.54	-8.50/-11.33	-9.31/-8.75	-6.20/-7.69	-9.59/-6.52	-7.68/-7.54	-10.11/-12.12	-9.53/-8.88	-9.21/-9.59	-9.89/-12.94	-10.64/-12.14	-13.56/-13.68	-11.93/-11.39	-9.34/-9.39	-10.18/-9.95	-10.11/-8.88	-8.58/-10.80	-11.73/-13.22	-11.11/-11.33	-9.46/-8.79
Θ (150°)	-8.80/-7.32	-5.44/-3.75	-4.26/-5.58	-5.97/-6.76	-9.57/-10.20	-8.72/-9.49	-12.08/-13.67	-10.63/-8.35	-8.21/-8.92	-7.06/-4.72	-6.07/-10.84	-10.25/-9.07	-12.86/-15.41	-12.23/-11.34	-14.34/-14.18	-13.48/-14.21	-14.51/-12.69	-14.16/-15.56	-13.17/-9.01	-8.98/-13.18	-13.17/-10.91	-8.48/-10.16	-13.47/-10.23	-9.88/-9.19
Θ (157.5°)	-11.73/-9.32	-9.44/-12.13	-11.15/-8.64	-7.30/-7.13	-7.80/-8.33	-7.92/-8.02	-9.14/-10.97	-10.37/-7.45	-5.68/-6.79	-10.14/-12.69	-11.95/-11.21	-8.69/-8.76	-11.61/-12.75	-12.03/-11.00	-13.89/-14.96	-14.04/-10.88	-8.42/-9.04	-11.38/-13.13	-11.65/-9.63	-9.22/-10.10	-11.06/-13.57	-15.14/-15.27	-14.23/-10.11	-11.89/-15.08
Θ (165°)	-7.97/-7.98	-8.14/-7.91	-8.20/-9.11	-9.98/-11.08	-12.21/-10.49	-8.09/-8.65	-10.77/-12.47	-10.86/-6.83	-10.77/-12.47	-13.39/-13.34	-14.20/-14.21	-15.10/-15.37	-13.68/-11.49	-9.91/-8.95	-9.47/-8.97	-10.69/-8.30	-9.06/-10.94	-12.30/-13.65						



Antenna Pattern of Scan Radio/LE

Appendix B.3

Θ(157.5°)	-14.48/-12.40	-9.12/-8.62	-11.50/-12.49	-10.80/-9.23	-9.78/-11.83	-12.74/-11.06	-9.61/-9.89	-12.71/-14.49	-10.13/-8.12	-9.38/-9.17	-11.09/-13.00	-13.68/-14.22	-13.67/-13.97	-13.68/-11.74	-12.42/-13.73	-15.95/-13.59	-11.50/-12.39	-14.99/-11.93	-8.35/-8.60	-10.62/-12.80	-11.97/-12.79	-14.23/-11.51	-10.68/-10.23	-10.93/-13.12
Θ(165°)	-11.90/-10.94	-13.30/-14.33	-12.35/-10.18	-10.17/-10.25	-10.65/-10.25	-9.23/-9.26	-9.56/-9.76	-10.24/-10.64	-11.39/-12.40	-14.78/-12.15	-12.09/-13.40	-11.67/-11.65	-14.01/-15.16	-15.70/-12.45	-10.42/-9.83	-11.34/-14.95	-15.94/-14.95	-10.46/-9.48	-10.36/-10.69	-10.14/-8.47	-7.07/-7.09	-9.24/-10.15	-10.28/-13.42	-15.13/-14.15
Θ(172.5°)	-7.89/-8.73	-10.10/-11.28	-12.31/-12.31	-10.32/-11.55	-11.38/-11.71	-11.13/-10.76	-10.26/-10.90	-11.32/-12.89	-13.51/-14.40	-15.90/-14.88	-14.94/-15.67	-14.50/-14.59	-14.22/-13.12	-13.24/-13.31	-12.45/-11.57	-10.95/-10.65	-9.91/-9.41	-9.04/-9.90	-10.97/-11.96	-11.39/-10.96	-9.82/-8.57	-8.42/-8.45	-8.19/-7.41	-7.11/-7.61
Θ(180°)	-14.66/-14.79	-13.05/-12.75	-12.73/-12.88	-11.78/-11.96	-12.63/-12.89	-13.15/-13.93	-15.34/-14.94	-12.46/-11.75	-11.68/-11.76	-10.58/-10.71	-13.39/-14.85	-12.98/-10.84	-10.63/-11.63	-11.86/-11.15	-11.29/-11.41	-11.26/-11.08	-11.53/-11.16	-10.61/-10.16	-10.22/-10.51	-10.39/-9.76	-9.73/-10.13	-11.89/-12.75	-11.82/-10.83	-11.43/-13.18
Freq(Hz)	6.4750Pol.	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°)	-3.72/-4.07	-4.64/-4.08	-3.55/-3.86	-3.90/-3.43	-3.17/-2.93	-2.64/-2.88	-3.30/-3.33	-3.38/-3.70	-3.60/-3.17	-3.49/-3.68	-3.13/-2.55	-2.69/-3.01	-3.27/-3.01	-3.05/-2.75	-2.21/-2.06	-2.63/-2.74	-2.12/-1.69	-2.12/-2.56	-2.82/-2.74	-2.45/-2.68	-2.95/-3.29	-3.40/-3.56	-4.10/-4.24	-3.93/-3.66
Θ(7.5°)	-0.72/-0.99	-0.71/-0.17	-0.07/-0.29	-0.31/-0.42	-0.75/-1.07	-1.08/-1.36	-2.28/-3.32	-4.11/-4.74	-4.97/-5.18	-5.84/-5.93	-5.33/-5.21	-5.70/-6.11	-7.02/-8.30	-7.75/-5.85	-5.36/-5.56	-4.63/-4.05	-3.12/-2.52	-2.10/-1.50	-1.48/-1.25	-1.11/-1.79	-0.76/-0.95	-0.84/-0.78	-0.76/-0.68	-0.63/-0.42
Θ(15°)	0.77/-1.20	1.46/-1.12	1.45/-1.58	0.93/-0.42	0.36/-0.29	-1.43/-2.22	-3.10/-4.80	-6.40/-7.79	-8.37/-8.57	-9.11/-8.19	-6.86/-6.16	-6.38/-7.11	-7.83/-8.37	-8.60/-7.73	-6.47/-6.59	-7.09/-6.40	-5.08/-3.21	-1.88/-1.04	-0.59/-0.54	-0.38/-0.15	-0.47/-1.33	-1.49/-1.52	-0.99/-0.03	0.56/-0.73
Θ(22.5°)	2.33/-2.30	2.11/-1.60	1.39/-1.18	0.61/-0.56	1.17/-0.83	-1.03/-2.87	-3.76/-4.52	-5.74/-8.27	-12.66/-12.63	-12.31/-12.19	-9.85/-3.77	-5.34/-4.40	-5.57/-6.48	-5.64/-9.42	-3.75/-2.52	-1.77/-1.49	-1.39/-0.41	0.53/-1.14	0.90/-0.06	-0.59/-0.94	-1.48/-2.01	-1.81/-0.88	0.45/-1.43	2.28/-2.55
Θ(30°)	1.49/-1.57	1.67/-2.03	2.34/-2.68	2.56/-2.11	2.15/-2.22	2.15/-1.36	-0.48/-1.91	-2.67/-3.46	-4.97/-6.38	-6.69/-8.48	-7.15/-6.77	-5.31/-3.08	-4.32/-6.88	-8.12/-7.53	-3.43/-3.39	-4.90/-4.35	-2.91/-1.01	0.88/-2.24	2.19/-0.82	-0.50/-0.69	-2.06/-3.19	-2.00/-0.50	0.88/-1.60	2.01/-1.35
Θ(37.5°)	3.55/-3.28	2.80/-2.56	2.77/-3.70	3.78/-3.48	3.59/-3.00	2.21/-2.30	1.21/-1.77	-1.41/-1.39	-1.84/-3.95	-5.59/-5.08	-6.96/-6.46	-3.43/-1.61	-2.30/-3.15	-6.96/-5.86	-5.45/-2.92	-2.43/-1.21	1.30/-2.76	2.18/-1.16	1.16/-0.38	-1.18/-1.74	-1.44/-2.26	2.48/-2.34	3.05/-2.87	
Θ(45°)	1.76/-1.17	0.93/-1.33	2.16/-2.58	3.60/-4.01	3.34/-2.96	2.39/-2.12	1.68/-2.21	-1.29/-2.53	-1.26/-0.13	-1.80/-3.27	-5.17/-3.75	-0.92/-4.07	-0.33/-1.43	-4.38/-7.40	-13.93/-6.63	-3.96/-3.07	-3.22/-2.81	0.03/-2.02	2.38/-2.13	2.01/-1.29	0.54/-0.14	-0.33/-0.43	1.89/-1.62	1.37/-1.43
Θ(52.5°)	0.31/-1.87	-0.14/-2.84	4.05/-6.3	3.34/-3.41	3.10/-3.20	2.27/-1.00	1.88/-1.14	-1.09/-2.22	-0.09/-0.92	-1.42/-2.62	-3.06/-0.81	1.33/-2.15	0.19/-0.36	-4.18/-5.50	-7.46/-4.99	-0.94/-0.14	-0.89/-1.75	0.57/-2.62	2.60/-2.95	2.10/-1.88	2.67/-1.54	0.07/-0.49	0.76/-0.56	2.01/-1.47
Θ(60°)	0.64/-1.37	0.20/-2.44	3.52/-3.22	1.59/-1.67	2.29/-2.29	2.08/-1.03	1.75/-2.04	1.34/-0.14	-0.21/-0.64	-1.57/-0.43	-0.05/-0.43	1.704.11	3.01/-0.91	-1.00/-2.22	-2.85/-2.39	0.61/-0.56	-0.25/-1.32	-0.74/-0.39	0.62/-1.56	1.29/-1.63	2.91/-2.82	0.10/-2.23	0.11/-0.88	3.30/-2.25
Θ(67.5°)	-0.89/-1.01	0.00/-0.88	0.66/-0.60	-0.69/-1.01	-0.12/-0.34	1.11/-0.18	0.81/-1.55	2.54/-1.96	-1.11/-0.21	-1.95/-1.45	1.45/-0.64	3.02/-3.91	3.52/-2.38	-0.45/-1.32	-0.87/-1.08	1.14/-0.80	-0.75/-1.89	-0.80/-0.92	-0.01/-0.44	0.29/-1.35	1.76/-0.50	-1.12/-0.40	-0.34/-0.88	3.21/-0.88
Θ(75°)	-2.75/-1.80	-1.28/-1.63	-2.22/-0.71	0.05/-1.23	-0.48/-1.92	-0.67/-0.12	1.14/-1.35	2.14/-2.19	-0.68/-2.72	-3.10/-0.94	1.41/-0.06	1.97/-2.72	3.15/-2.45	-0.72/-2.44	-0.07/-1.11	1.32/-1.64	0.35/-0.38	-0.20/-0.19	1.49/-0.55	-0.39/-0.94	-0.17/-0.81	0.13/-0.29	-2.32/-0.69	1.39/-1.87
Θ(82.5°)	-3.61/-2.91	-2.60/-2.52	-3.27/-1.22	0.95/-0.17	-0.89/-3.13	-1.05/-3.08	0.66/-1.76	1.69/-1.76	-1.54/-2.22	-4.54/-0.30	-0.66/-1.51	0.99/-2.27	1.49/-0.93	-3.20/-2.27	-0.91/-1.46	1.80/-1.49	-0.21/-0.37	-0.25/-0.18	1.51/-0.33	-0.30/-2.23	-1.99/-1.97	-0.60/-0.26	-3.97/-1.32	0.02/-1.34
Θ(90°)	-3.82/-4.18	-3.97/-2.87	-3.11/-1.40	0.46/-0.61	-1.65/-3.43	-1.80/-1.32	-0.98/-1.81	0.01/-0.82	-3.26/-4.14	-6.58/-3.81	-3.65/-5.19	-0.94/-1.20	-0.99/-2.18	-3.47/-2.86	-3.54/-4.52	-0.11/-1.26	0.12/-0.57	-2.97/-0.47	-0.15/-0.52	-1.65/-2.34	-4.23/-3.18	-0.34/-1.71	-3.70/-1.71	-0.45/-2.39
Θ(97.5°)	-5.91/-6.70	-4.74/-2.87	-3.37/-3.11	-0.41/-1.07	-2.61/-4.32	-2.86/-2.64	-6.47/-9.26	-3.36/-2.89	-3.77/-5.41	-9.29/-9.53	-6.47/-9.26	-3.36/-2.89	-3.77/-5.41	-7.26/-7.43	-6.58/-9.03	-4.66/-0.59	-0.63/-1.86	-5.58/-3.26	-3.26/-3.71	-3.06/-6.69	-5.90/-5.65	-1.44/-3.06	-3.19/-1.37	-1.36/-3.33
Θ(105°)	-6.29/-7.55	-5.51/-3.60	-4.21/-3.63	-1.50/-2.48	-2.57/-6.53	-5.02/-3.14	-3.61/-2.61	-3.49/-1.80	-4.67/-7.73	-9.24/-6.89	-5.95/-11.14	-7.01/-3.94	-5.96/-10.65	-13.48/-11.89	-8.42/-10.37	-7.39/-4.09	-4.77/-8.07	-6.42/-4.41	-11.00/-10.59	-5.53/-7.37	-7.48/-10.07	-6.24/-4.15	-3.64/-4.15	-2.33/-4.45
Θ(112.5°)	-5.74/-7.78	-6.60/-4.98	-5.96/-4.50	-3.09/-3.14	-3.05/-5.49	-5.73/-5.66	-5.27/-5.59	-5.26/-4.02	-7.10/-6.15	-11.85/-11.32	-6.82/-6.37	-6.45/-8.10	-7.19/-9.91	-12.37/-9.86	-7.22/-9.10	-6.20/-4.84	-9.88/-11.30	-8.99/-10.62	-6.63/-7.81	-9.88/-12.64	-8.55/-5.16	-7.48/-5.11	-4.45/-1.77	-2.58/-4.26
Θ(120°)	-6.74/-9.40	-6.95/-6.15	-7.14/-5.12	-4.29/-3.66	-2.90/-6.49	-6.08/-6.61	-6.06/-7.74	-5.74/-6.09	-8.88/-9.98	-10.94/-15.25	-11.70/-8.52	-6.50/-8.36	-8.57/-8.88	-12.18/-12.51	-9.74/-7.24	-8.84/-12.52	-15.44/-8.56	-8.08/-5.66	-9.99/-15.50	-6.11/-3.46	-7.39/-6.87	-4.37/-2.27	-4.78/-6.49	
Θ(127.5°)	-8.97/-8.08	-8.34/-8.74	-7.72/-6.34	-6.12/-4.31	-4.38/-6.42	-6.11/-8.44	-8.08/-7.60	-7.05/-6.58	-8.46/-10.15	-14.04/-13.35	-14.77/-13.37	-13.89/-13.33	-14.77/-10.93	-12.18/-13.47	-10.11/-9.50	-9.83/-8.65	-3.27/-9.21	-11.10/-7.68	-7.63/-7.74	-11.95/-12.81	-7.47/-5.26	-7.15/-6.40	-5.97/-4.24	-6.17/-8.33
Θ(135°)	-9.23/-9.04	-9.57/-8.36	-7.65/-7.92	-6.75/-5.87	-5.57/-6.05	-7.04/-11.72	-8.56/-7.39	-6.43/-5.99	-7.58/-8.21	-13.17/-12.88	-12.23/-9.35	-8.37/-10.25	-10.44/-7.26	-13.04/-9.53	-9.55/-9.88	-11.12/-12.82	-12.28/-8.01	-9.72/-10.03	-9.11/-10.05	-9.04/-9.45	-11.24/-7.61	-8.45/-4.80	-3.55/-4.11	-5.95/-8.22
Θ(142.5°)	-11.35/-10.49	-9.77/-9.42	-10.41/-9.35	-8.17/-7.62	-8.77/-7.81	-7.84/-9.73	-9.59/-13.37	-8.19/-6.50	-6.89/-9.51	-9.30/-12.50	-10.50/-12.27	-14.54/-10.94	-9.59/-9.58	-13.30/-15.51	-13.11/-10.59	-9.58/-8.25	-8.42/-11.78	-13.56/-13.84	-11.94/-12.14	-9.63/-10.16	-12.49/-11.56	-9.88/-9.39	-6.55/-6.52	-8.93/-11.97
Θ(150°)	-9.80/-9.36	-10.93/-10.85	-10.99/-10.15	-8.71/-7.25	-7.63/-7.68	-8.99/-9.64	-8.95/-11.03	-11.48/-9.92	-8.80/-9.95	-10.77/-11.43	-10.22/-12.69	-15.69/-13.31	-12.58/-15.55	-10.65/-13.81	-14.69/-15.65	-15.34/-12.46	-16.21/-11.99	-8.61/-9.95	-12.51/-10.64	-11.93/-13.71	-15.16/-9.93	-9.68/-11.98	-11.72/-9.97	
Θ(157.5°)	-14.74/-15.05	-14.77/-12.34	-9.57/-8.47	-9.92/-12.16	-11.58/-9.73	-9.43/-9.79	-8.98/-9.08	-9.86/-12.06	-13.98/-12.50	-10.35/-11.67	-9.77/-9.90	-12.73/-15.64	-15.20/-14.20	-15.06/-16.15	-13.61/-15.01	-15.17/-14.74	-15.21/-15.62	-15.14/-7.95	-6.47/-8.57	-11.62/-9.21	-8.89/-9.22	-9.57/-11.98	-13.21/-15.01	-15.82/-14.01
Θ(165°)	-15.18/-15.69	-15.72/-13.18	-12.45/-12.71	-11.03/-9.29	-8.99/-8.96	-9.64/-9.92	-9.60/-8.35	-8.48/-9.30	-9.33/-10.07	-13.33/-15.00	-13.64/-13.73	-15.73/-11.73	-9.66/-10.56	-12.35/-11.09	-10.25/-10.22	-12.15/-15.57	-15.24/-13.96	-9.83/-7.83	-8.27/-8.47	-7.85/-7.47	-8.16/-9.27	-9.53/-11.15	-15.02/-13.91	-13.15/-13.47
Θ(172.5°)	-11.53/-12.20	-12.58/-11.86	-12.56/-13.39	-13.10/-12.67	-11.78/-11.24	-12.45/-13.14	-11.63/-12.22	-13.09/-12.85	-12.99/-13.84	-14.70/-14.37	-15.28/-15.78	-14.24/-14.84	-15.13/-15.36	-13.53/-13.28	-11.98/-10.82	-9.62/-9.65	-9.17/-9.23	-9.28/-9.38	-11.04/-11.41	-11.98/-11.52	-10.61/-9.30	-8.34/-7.89	-9.38/-11.68	-11.94/-11.79
Θ(180°)	-15.09/-14.89	-13.97/-12.70	-13.25/-13.86	-13.28/-13.65	-15.39/-15.56	-16.02/-15.70	-15.40/-15.80	-13.91/-13.74	-13.69/-13.32	-13.94/-14.49	-14.76/-14.95	-14.76/-15.21	-15.53/-15.66	-14.83/-14.23	-14.02/-13.79	-13.82/-15.49	-15.02/-15.29	-15.71/-13.77	-13.09/-13.06	-13.42/-13.73	-12.85/-14.02	-15.45/-15.13	-16.03/-15.31	-14.65/-15.54
Freq(Hz)	6.6950Pol.	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°)	-1.10/-0.89	-0.87/-1.13	-1.06/-1.12	-1.46/-0.95	-0.60/-0.99	-1.47/-1.50	-1.53/-1.51	-1.42/-1.12	-1.04/-0.78	-0.60/-0.72	-0.47/-0.13	0.00/-0.1	-0.13/-0.39	-0.27/-0.35	0.45/-0.03	-0.14/-0.05	-0.40/-0.69	-0.50/-0.02	-0.11/-0.42	-0.62/-0.90	-0.89/-0.66	-0.76/-0.90	-0.79/-0.65	-0.87/-1.11
Θ(7.5°)	1.40/-1.60	1.87/-1.92	1.85/-1.5																					

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

