



Radiated Composite Gain Data_Radio 3 & Radio 4

Appendix C

Θ (165°)	-16.16/-16.64	-18.48/-17.39	-18.27/-19.03	-17.55/-17.73	-13.83/-14.22	-17.97/-18.43	-14.18/-13.44	-11.75/-10.09	-9.08/-9.19	-10.03/-11.6	-18.25/-19.48	-19.19/-18.34	-17.91/-17.45	-16.28/-14.43	-13.12/-15.93	-16.13/-13.39	-13.63/-16.44	-18.09/-18.61	-19.15/-17.5	-19.15/-19.09	-18.29/-18.05	-18.2/-19.03	-13.61/-13.01	-13.62/-17.81
Θ (172.5°)	-17.78/-16.81	-16.55/-16.37	-18.37/-17.41	-17.91/-18.15	-17.57/-17.46	-16.52/-16.67	-17.38/-19.63	-16.12/-14.74	-16.85/-15.96	-17.39/-17.64	-18.1/-19.28	-18.41/-18.38	-18.66/-17.99	-19.01/-17.97	-18.97/-17.22	-19.31/-18.38	-18.86/-17.4	-18.86/-19.03	-19.3/-18.32	-17.66/-16.53	-18.69/-18.91	-17.83/-18.14	-18.26/-18.14	-18.05/-18.09
Θ (180°)	-16.46/-15.45	-16.48/-17.11	-17.97/-16.22	-14.14/-14.67	-13.97/-13.74	-15.25/-15.51	-18.66/-18.68	-17.97/-18.86	-16.71/-17.35	-18.48/-18.81	-18.24/-19.21	-17.4/-18.13	-16.04/-15.78	-17.97/-19.4	-18.48/-18.22	-18.63/-18.8	-17.75/-19.1	-18.39/-18.3	-17.5/-19.1	-18.69/-18.23	-18.77/-18.11	-17.49/-16.79	-18.55/-16.89	-14.85/-16.53
Freq(Hz)	6.995GPol.	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°)	-4.71/-4.15	-4.15/-4.16	-4.37/-4.4	-4.59/-4.66	-4.83/-5.48	-5.96/-6.04	-7.03/-7.34	-7.88/-8.96	-10.74/-10.34	-9.49/-9.52	-5.74/-5.67	-8.08/-6.72	-5.14/-5.97	-7.19/-7.85	-6.08/-6.37	-7.06/-6.32	-5.91/-6.02	-5.93/-6.04	-5.85/-4.71	-5.57/-4.86				
Θ (7.5°)	-5.6/-4.9	-4.93/-5.93	-7.19/-8.5	-10.41/-9.78	-8.23/-6.71	-5.03/-4.05	-3.7/-3.33	-3.4/-3.07	-2.62/-2.42	-2.57/-2.35	-1.9/-1.96	-3.26/-3.47	-3.11/-4.15	-4.76/-5.18	-6.15/-7.18	-9.06/-9.96	-10.75/-10.65	-10.52/-10.63	-10.76/-10.34	-9.42/-9.12	-9.67/-9.85	-9.65/-10.12	-10.44/-7.98	-7.2/-6.46
Θ (15°)	-8.78/-9.71	-8.67/-9.51	-9.09/-8.8	-10.86/-13.43	-13.05/-12.29	-14.44/-18.5	-18.99/-15.2	-9.88/-6.72	-4.56/-3.59	-2.26/-2.25	-2.49/-3.04	-4.35/-4.42	-6.03/-6.65	-8.29/-10.1	-13.04/-12.61	-10.18/-8.32	-6.34/-4.5	-3.3/-2.56	-2.41/-2.82	-3.28/-7.53	-11.31/-16.47	-17.57/-18.43	-16.26/-11.89	
Θ (22.5°)	-6.12/-5.18	-6.24/-9.87	-12.15/-11.91	-9.52/-9.48	-11.18/-12.4	-10.18/-11	-16.49/-17.96	-16.75/-11.95	-9.4/-10.34	-10.88/-7.4	-4.53/-4.55	-5.77/-7.83	-8.13/-8.82	-9.47/-10.95	-11.82/-15.6	-15.63/-11.82	-9.95/-9.13	-7.18/-5.23	-3.96/-3.35	-2.54/-1.92	-1.68/-3.11	-6.55/-10.04	-11.91/-11.37	-8.22/-7.1
Θ (30°)	-3.12/-2.72	-4.02/-6.98	-5.71/-3.65	-4.44/-9.7	-11.06/-6.35	-7.79/-13.45	-13.19/-9.46	-11.12/-11.67	-8.61/-13.8	-14.35/-15.75	-15.76/-7.67	-3.2/-1.97	-3.04/-4.99	-6.49/-8.84	-11.35/-10.32	-6.75/-6.56	-8.74/-6.02	-3.86/-2.87	-5.01/-5.18	-2.57/-3.08	-3.77/-4.12	-3.77/-2.95	-4.44/-7.9	-7.42/-4.77
Θ (37.5°)	-0.1/0.05	-0.88/-3.68	-4.68/-3.16	-2.18/-4.34	-14.84/-17.86	-8.94/-10.28	-18.2/-18.76	-18.27/-11.34	-9.25/-18.7	-19.2/-6.73	-6.24/-10.43	-5.07/-6.47	-7.03/-6.72	-9.94/-18.27	-8.82/-7.44	-6.91/-10.33	-4.46/-2.39	-2.89/-1.65	-0.62/-2.05	-7.96/-18.88	-6.18/-6.75	-6.23/-2.16	-0.51/-0.71	
Θ (45°)	-0.71/0.66	-0.12/-3.23	-0.15/0.86	-1.93/-9.81	-7.64/-3.25	-3.14/-7.1	-10.68/-6.86	-14.63/-13.38	-15.38/-17.68	-12.73/-5.87	-4.55/-3.89	-10.05/-5.12	-6.73/-7	-2.51/-2.4	-6.58/-9.56	-7.93/-9.46	-3.52/-3.28	-0.87/-1.93	-0.17/0.56	0.84/0.92	-5.69/-11.61	-7.13/-3.61	-3.04/-2.78	1.34/0.25
Θ (52.5°)	1.05/1.91	3.24/0.12	0.12/0.56	-0.97/-0.74	-1.26/-2.78	-4.09/-3.14	-5.79/-2.81	-15.63/-11.2	-7.11/-8.54	-6.96/-7.99	-1.17/-3.32	-11.5/-8.44	-5.15/-3.87	-1.17/-0.86	-6.25/-6.75	-4.08/-2.64	-1.63/-4.42	-1.71/-5.69	-3.31/-4.3	-1.75/0.78	-1.44/-9.81	-8.94/-5.11	-3.29/0.69	3.84/1.77
Θ (60°)	2.28/2.05	3.91/0.42	2.53/1.1	-6.66/-10.42	0.47/0.74	-3.87/1.09	0.31/0.2	-11.91/-17.1	-7.15/-5.25	-3.98/-15.71	-3.45/-2.4	-0.32/-4.66	-5.16/0.1	0.06/-2.04	-3.23/-4.57	-2.31/-4.8	-4.18/-6.27	-9.81/-12.34	-4.95/-8.7	-5.58/-1.61	-4.15/-13.93	-12.88/-2.05	-2.24/3.11	2.69/1.38
Θ (67.5°)	-2.47/0.23	1.05/1.93	-1.1/-0.06	-7.35/-0.94	-0.35/0.93	2.92/3.39	3.19/6	-3.93/-7.91	-2.76/-0.57	0.65/-6.96	-6.80/-8.5	0.57/-4.22	-2.43/0.8	0.02/-3.68	-1.83/-1.56	-0.32/-0.85	-4.68/-4.49	-7.8/-9.72	-2.64/-4.14	-3.99/-2.73	-4.09/-6.26	-15.91/-5.86	-3.07/2.94	0/-0.17
Θ (75°)	-8.33/-1.01	2.35/2.13	0.1/-1.01	-4.66/2.62	1.67/0.81	4.812.51	3.54/1.82	-0.88/-1.33	0.81/0.79	3.07/-2.11	-7.16/-2.19	-0.17/1.19	0.08/0.74	-2.16/-8.04	-2.7/-3.75	-0.1/-0.97	-4.88/-2.44	-2.49/-5.22	-1.32/-1.71	-0.12/-3.12	-1.19/-2.69	-19.22/-1.47	-1.12/2.3	0.46/-1.36
Θ (82.5°)	-5.02/-0.37	3.53/3.26	1.58/-1.19	-3.63/-43	1.47/0.2	4.21/2.1	2.61/96	-0.09/-1.38	1.6/1.02	2.83/-2.63	-8.45/-2.77	1.14/1.6	0.84/-0.56	-2.48/-6.53	-4.51/-1.37	-0.82/-2.38	-4.82/-1.96	-0.47/-2.78	-2.46/-1.44	0.23/-4.39	-1.02/-2.15	-16.01/-3.86	0.47/1.42	0.71/-0.47
Θ (90°)	-5.93/-1.74	2.55/6.65	0.89/-1.62	-4.11/-2.49	1.35/-1.64	3.16/0.67	0.21/1.74	0.09/-1.32	1.12/-1.22	1.47/-2.31	-7.63/-4.53	7.01/1.4	0.57/-1.07	-2.87/-6.82	-6.21/-5.71	-1.53/-5.38	-4.35/-3.58	-2.02/-2.68	-5.57/-3.92	-0.86/-4.62	-2.48/-3.88	-15.91/-5.52	-0.55/-0.86	0.39/-1.67
Θ (97.5°)	-8.15/-4.85	0.26/1.04	-0.15/-2.9	-3.69/0.99	0.09/-4.49	1.53/-1.56	-2.36/0.18	-0.78/-3.16	0.15/-2.55	-0.61/-6.81	-9.2/-2.9	0.01/-0.85	-2.54/-3.62	-2.75/-7.01	-6.68/-5.69	-4.13/-7.41	-5.57/-8.14	-4.93/-3.72	-8.68/-7.08	-4.24/-8.4	-6.01/-8.29	-13.98/-6.4	-1.61/-4.77	-0.71/-12.73
Θ (105°)	-6.83/-6.49	-1.69/-4.09	-1.14/-4.82	-7.4/-1.73	-3.63/-5.14	-2.11/-3.3	-4.39/-2.45	-4.22/-6.69	-2.45/-6.2	-3.2/-7.79	-9.6/-6.52	-0.65/-2.51	-6.64/-2.08	-4.37/-8.31	-6.92/-9.15	-7.21/-10.48	-6.87/-8.1	-4.98/-7.39	-12.89/-10.3	-6.05/-12.1	-12.68/-7.69	-9.63/-13.97	-1.51/-3.48	-3.43/-18.59
Θ (112.5°)	-13.46/-12.9	-3.3/-2.27	-4.73/-10.21	-15.44/-2.85	-7.23/-8.7	-2.28/-5.42	-6.14/-3.78	-1.39/-5.61	-4.22/-7.88	-8.2/-11.43	-13.01/-4.69	-2.12/-4.77	-16.76/-19.98	-6.56/-8.45	-9.85/-9.77	-13.76/-19.98	-13.66/-13.3	-5.55/-5.88	-9.85/-8.77	-5.73/-10.26	-8.48/-12.86	-11.54/-19.37	-9.54/-6.48	-17.77/-16.77
Θ (120°)	-18.79/-15.03	-6.99/-5.43	-7.88/-16.35	-8.22/-3.68	-18.4/-5.37	-5.2/-4.46	-5.78/-4.1	-7.17/-8.15	-5.43/-10.6	-14.95/-18.7	-14.08/-4.13	-6.71/-9.69	-5.31/-4.5	-10.62/-7.22	-10.41/-13.6	-13.37/-16.22	-13.31/-17.76	-10.09/-12.28	-11.71/-10.98	-9.79/-16.14	-14.63/-14.61	-18.48/-11.25	-7.82/-7.59	-8.24/-18.76
Θ (127.5°)	-17.73/-13.67	-7.95/-6.86	-6.32/-13.78	-5.13/-6.63	-18.4/-7.34	-9.05/-8.61	-12.46/-8.43	-7.52/-15.17	-18.13/-18.21	-17.71/-17.74	-7.97/-4.39	-5.59/-8.49	-9.35/-6.66	-6.53/-12.3	-12.52/-18.05	-8.28/-15.13	-15.27/-18.67	-12.38/-10.11	-9.29/-14.69	-6.76/-9.52	-15.88/-13.78	-12.24/-6.22	-10.77/-15.77	
Θ (135°)	-18.05/-17.36	-9.67/-10.28	-18.41/-8.37	-13.39/-18.82	-18.61/-10.97	-17.41/-10.57	-10.55/-12.28	-6.76/-12.83	-18.38/-13.09	-14.03/-12.46	-6.48/-7.35	-9.13/-9.1	-11.58/-6.1	-8.79/-14.6	-18.79/-17.67	-12.87/-13.51	-18.98/-18.7	-11.01/-7.64	-15.98/-17.78	-15.56/-14.9	-13.89/-10.72	-14.38/-18.53		
Θ (142.5°)	-18.61/-18.79	-13.62/-17.92	-17.99/-11.72	-7.22/-18.57	-7.33/-8.66	-15.47/-12.42	-11.7/-14.41	-6.74/-6.8	-14.68/-18.91	-13.92/-6.44	-6.56/-7.81	-7.38/-10.16	-11.53/-11.6	-7.95/-9.68	-9.91/-15.99	-14.04/-16.56	-18.73/-17.61	-17.61/-14.48	-18.82/-17.99	-12.43/-7.58	-18.18/-12.27	-9.44/-18.68	-19.27/-13.74	-12.07/-18.66
Θ (150°)	-18.43/-19.23	-18.28/-14.6	-16.83/-10.42	-14.05/-9.3	-7.53/-12.19	-12.86/-10.14	-12.19/-13.22	-8.91/-6.77	-9.64/-14.31	-12.4/-10.03	-8.27/-7.4	-10.65/-16.04	-14.32/-11.37	-18.31/-9.77	-10.74/-12.15	-17.88/-17.53	-15.66/-15.03	-17.51/-17.3	-18.74/-17.88	-18.67/-12.51	-12.71/-7.87	-15.73/-18.86	-18.73/-15.94	-18.23/-18.36
Θ (157.5°)	-11.94/-17.87	-17.25/-18.45	-18.86/-16.62	-14.1/-13.29	-16.57/-18.96	-18.36/-18.17	-15.79/-16.3	-8.78/-13.73	-16.43/-11.74	-3.93/-9.31	-10.2/-11.37	-17.87/-18.13	-16.42/-13.55	-11.74/-13.3	-18.45/-18.35	-19.17/-16.64	-13.16/-13.5	-18.49/-18.14	-18.81/-19.38	-18.77/-14.69	-11.02/-16.75	-18.63/-18.42	-18.07/-14.45	
Θ (165°)	-13.97/-11.23	-12.02/-12.51	-12.04/-13.45	-15.7/-17.55	-17.9/-18.31	-18.09/-13.48	-17.03/-17.93	-18.32/-18.51	-17.4/-16.45	-18.26/-17.9	-13.55/-11.42	-11.51/-17.6	-17.39/-18.06	-18.76/-18.16	-17.41/-16.6	-18.7/-18.64	-18.1/-18.74	-18.8/-14.37	-10.99/-12.18	-15.78/-17.79	-18.7/-14.95	-15.07/-19.24	-18.63/-12.99	-12.36/-13.34
Θ (172.5°)	-17.32/-16.51	-16.9/-16.97	-15.52/-14.58	-14.53/-13.14	-12.54/-13.22	-16.61/-18.61	-19.14/-18.24	-16.93/-18	-18.8/-19.05	-18.04/-17.28	-19.6/-19.06	-18.64/-18.13	-17.91/-16.5	-12.11/-12.97	-15.08/-14.68	-14.51/-13.38	-13.73/-14.62	-14.55/-15.53	-18.89/-18.46	-18.4/-18.18	-17.55/-18.19	-19.03/-17.78	-18.27/-17.8	-15.66/-17.33
Θ (180°)	-17.45/-18.53	-18.75/-19.11	-18.43/-17.53	-18.11/-19.23	-19.42/-16.53	-15.29/-13.67	-14.84/-14.61	-13.46/-13.04	-12.15/-11.22	-11.29/-12.99	-13.47/-13.28	-13.29/-15.7	-15.1/-13.87	-12.69/-12.7	-14.43/-15.69	-14.9/-15.86	-18.21/-17.93	-18.08/-17.56	-16.65/-17.03	-17.26/-18.4	-17.61/-18.47	-18.99/-18.73	-18.92/-17.53	-18.38/-18.93
Freq(Hz)	2.45GPol.	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°)	-3.41/-3.87	-4.85/-6.21	-7.72/-9.48	-15.58/-16.84	-16/-13.78	-11.39/-9.17	-7.43/-6.16	-5.29/-4.71	-4.38/-4.37	-4.63/-4.94	-5.32/-6.62	-5.75/-6.54	-5.81/-6.38	-7.34/-8.83	-10.74/-12.31	-11.55/-10.56	-7.3/-6.4	-5.54/-6.6	-9.42/-8.73	-5.54/-6.6	-10.01/-3.56	-3.34/-3.31	-3.26/-3.24	
Θ (7.5°)	-5.93/-6.04	-6.34/-6.88	-7.65/-8.69	-9.9/-11.34	-12.68/-14.08	-15.34/-15.84	-14.17/-11.52	-9.09/-7.24	-5.74/-4.69	-3.93/-3.51	-3.29/-3.23	-3.34/-3.69	-3.98/-4.13	-4.45/-5.21	-6.51/-8.43	-11.12/-15.05	-18.21/-17.31	-12.17/-9.54	-7.73/-6.37	-5.38/-7.42	-4.39/-4.19	-4.09/-4.17	-4.56/-5.12	-5.56/-5.86
Θ (15°)	-7.49/-6.95	-6.27/-5.87	-5.91/-6.46	-7.58/-8.38	-11.47/-13.66	-15.57/-17.06	-16.25/-13.36	-10.25/-7.72	-6.65/-4.22	-3														



Radiated Composite Gain Data Radio 3 & Radio 4

Appendix C

Θ(75°)	-8.43/-7.48	-7.07/-7.12	-7.37/-7.53	-7.13/-6.69	-6.19/-6.28	-6.66/-6.45	-5.57/-4.84	-4.3/-3.99	-3.8/-3.55	-3.19/-3.07	-3.61/-4.55	-5.61/-6.4	-6.34/-7.2	-8.27/-8.95	-7.72/-6.6	-6.75/-6.25	-5.38/-5.3	-4.97/-4.7	-4.79/-4.76	-4.88/-4.76	-4.92/-4.82	-4.88/-5.34	-6.09/-6.04	-7.25/-8.69
Θ(15°)	-13.16/-10.6	-8.3/-6.69	-5.45/-4.77	-3.91/-2.91	-2.34/-2.5	-3.45/-4.2	-4.49/-4.2	-3.77/-3.26	-2.66/-2.25	-2.06/-2.28	-2.97/-3.91	-4.96/-5.9	-6.11/-6.13	-7.41/-8.55	-9.43/-8.62	-8.62/-7.7	-7.43/-8.28	-8.95/-7.72	-6.81/-5.93	-4.97/-4.25	-3.99/-3.77	-3.76/-4.67	-5.92/-6.03	-11.58/-15.32
Θ(22.5°)	-10.36/-7.92	-6.8/-6.11	-5.47/-4.87	-3.67/-1.98	-0.72/-0.4	-1.11/-1.91	-2.05/-2.17	-2.45/-2.35	-2.01/-1.76	-2.69/-3.28	-1.94/-2.53	-2.89/-2.75	-2.69/-3.28	-5.69/-8.99	-10.42/-12.84	-9.68/-7.72	-7.29/-8.9	-10.42/-12.21	-12.15/-9.88	-8.67/-8.64	-9.11/-8.78	-7.77/-9.02	-11.05/-17.56	-15.3/-10.71
Θ(30°)	-17.3/-18.83	-15.09/-9.45	-6.69/-5.55	-4.89/-2.87	-1.56/-1.52	-2.49/-2.98	-2.63/-2.51	-2.82/-3.45	-3.42/-2.53	-1.82/-1.82	-2.43/-2.97	-3.82/-3.72	-3.03/-3.58	-5.52/-6.76	-6.86/-7.63	-11.79/-9.18	-7.25/-7.94	-7.09/-7.03	-7.82/-11.09	-10.46/-8.59	-11.65/-15.97	-15.4/-12.88	-14.09/-18.51	-18.9/-18.24
Θ(37.5°)	-4.47/-5.4	-10.11/-18.72	-10.58/-6.45	-8.51/-8.67	-5.52/-4.36	-3.87/-3.67	-3.34/-3.3	-3.92/-4.52	-3.59/-1.26	0.16/-0.46	-2.12/-3.4	-4.19/-2.04	-2.28/-5.33	-5.1/-6.78	-9.06/-8.6	-7.6/-5.91	-3.5/-3.62	-5.36/-5.87	-6.79/-9.63	-10.01/-16.25	-15.49/-12.56	-11.47/-9.69	-5.46/-4.2	
Θ(45°)	-2.63/-3.74	-8.75/-14.2	-11.64/-6.32	-7.69/-14.77	-14.64/-8.49	-4.46/-3.2	-3.15/-3.57	-3.63/-1.31	-1.35/-1.56	-1.120/0.5	-2.11/-4.35	-4.020/0.8	-4.28/-2.05	-4.96/-5.5	-4.24/-5.38	-6.31/-4.84	-3.54/-4.99	-0.470/18	-3.38/-3.38	-4.92/-6.24	-9.15/-13.26	-10.39/-12.31	-8.89/-7.57	-3.81/-2.85
Θ(52.5°)	-2.5/-4.91	-9.4/-10.88	-13.39/-11.02	-8.65/-8.65	-8.16/-8.55	-3.72/-4.25	-4.3/-4.11	-2.820/38	-1.02/-1.61	-0.73/1.55	-2.97/-6.38	-4.34/-1.15	-1.14/-1.63	-5.95/-6.09	-1.94/-1.96	-3.64/-3.58	-1.88/-3.62	-1.23/-0.34	-5.66/-4.64	-4.93/-5.98	-5.89/-9.96	-10.55/-14.76	-7.33/-6.39	-6.15/-3.77
Θ(60°)	-1.58/-3.92	-9.41/-8.86	-7/-8.46	-8.5/-	-0.97/-3.32	-3.64/-6.9	-8.35/-7.34	-4.740/0.1	0.23/-0.09	1.05/2.3	-4.4/-7	-4.85/-4.05	-5.61/-2.61	-6.24/-13.72	-3.43/-1	-2.67/-2.59	-1.84/-2.33	-3.44/-1.71	-5.73/-6.03	-3.02/-4.22	-1.4/-6.31	-6.74/-7.45	-3.81/-4.81	-6.88/-1.84
Θ(67.5°)	-1.94/-6.63	-10.62/-6.61	-4.24/-4.47	-4.38/-1.85	1.32/-2.1	-3.51/-6.73	-10.36/-10.84	-10.32/-1.46	1.960/88	1.632/53	-4.71/-4.6	-6.24/-4.53	-5.48/-1.14	-4.1/-8.84	-20/79	-1.08/-0.38	0.05/-0.95	-3.23/-3.54	-4.83/-4.43	-1.31/-2.78	0.41/-4.43	-4.66/-5.5	-2.63/-4.14	-5.31/-1.97
Θ(75°)	-3.42/-9.1	-8.66/-7.32	-5.11/-4.01	-1.98/-1.36	1.119/-1.12	-2.54/-5.89	-10.04/-10.54	-16.72/-4.88	1.52/2	1.333/21	-0.93/-4.16	-7.94/-3.66	-3.2/-0.36	-3.16/-4.25	-2.2/2.43	1.721/35	1.47/-0.75	-3.3/-4.7	-3.45/-2.3	-1.17/-3.38	0.01/-3.08	-2.89/-4.89	-3.85/-4.75	-5.92/-3.78
Θ(82.5°)	-5.36/-10.22	-8.13/-9.02	-5.9/-4.41	-1.86/-2.39	0.19/-1.78	-2.43/-5.32	-9.19/-10.96	-17.43/-5.51	-0.15/-1.22	0.88/2.47	-1.52/-5.4	-13.05/-3.78	-1.96/-6.13	-3.2/-4.04	-2.63/2.75	3.07/2.14	1.64/-1.18	-4.06/-5.08	-3.18/-2.31	-1.56/-4.41	-1.72/-3.61	-3.21/-5.76	-5.37/-5.91	-6.62/-5.5
Θ(90°)	-6.73/-12.05	-8.92/-9.77	-6.41/-6.24	-2.76/-3.85	-0.83/-2.84	-3.23/-5.76	-9.81/-10.92	-16.06/-8.33	-2.57/-0.16	-1.96/1.09	-2.06/-8.07	-18.11/-6.09	-3.12/-2.78	-5.53/-4.46	-4.36/0.73	1.98/1.48	0.74/-3.18	-6.09/-5.78	-4.42/-3.33	-3.02/-6.14	-3.73/-5.69	-5.66/-7.56	-9.04/-6.77	-9.92/-7.08
Θ(97.5°)	-7.11/-11.84	-10.21/-10.4	-8.66/-8.22	-4.52/-6.48	-2.82/-4.06	-4.03/-7.52	-8.95/-12.48	-17.68/-8.91	-4.97/-2.3	-3.07/-1.37	-5.46/-11.53	-19.23/-8.72	-4.3/-5.25	-7.78/-4.7	-5.5/-1.75	-0.4/-0.64	-2.03/-6.61	-9.41/-8.49	-7.93/-6.61	-4.59/-8.58	-7.27/-7.45	-7.65/-11.3	-7.89/-8.02	-12.67/-7.67
Θ(105°)	-6.92/-13.92	-10.04/-13.5	-12.07/-11.78	-7.5/-5.56	-5.81/-5.95	-6.05/-9.57	-8.75/-13.06	-17.26/-12.04	-7.75/-4.4	-6.18/-3	-5.73/-9.11	-18.73/-11.76	-6.66/-5.7	-7.62/-4.19	-3.63/-5.05	-5.82/-15.69	-14.52/-13.04	-12.68/-9.67	-7.75/-8.78	-8.47/-11.51	-13.51/-12.4	-7.98/-9.8	-12.31/-10.34	
Θ(112.5°)	-10.15/-13.46	-11.9/-15.15	-15.34/-15.52	-12.72/-11.69	-7.32/-6.82	-6.68/-9.2	-9.41/-15.41	-17.85/-13.8	-8.63/-8.62	-8.56/-4.23	-8.65/-12.33	-16.46/-12.51	-10.67/-8.92	-12.27/-6.46	-10.58/-5.58	-7.68/-17.66	-15.72/-17.69	-13.35/-10	-9.43/-12.4	-9.43/-12.4	-17.68/-18.15	-10.22/-13.46	-13.7/-12.93	
Θ(120°)	-10.39/-11.99	-11.33/-18.42	-15.62/-13.01	-16.82/-15.69	-7.02/-7.19	-8.13/-10.39	-11.96/-19.16	-18.03/-12.8	-10.7/-12.53	-18.78/-7.29	-12.26/-10.8	-11.85/-18.75	-12.8/-16.5	-11.68/-6.3	-11.9/-8.01	-5.14/-7.25	-5.14/-16.39	-14.15/-11.48	-11.15/-7.98	-11.29/-10.31	-11.92/-17.78	-18.98/-15.5	-13.38/-15.43	-13.23/-13.94
Θ(127.5°)	-15.36/-10.22	-8.13/-9.02	-5.9/-4.41	-1.86/-2.39	0.19/-1.78	-2.43/-5.32	-9.19/-10.96	-17.43/-5.51	-0.15/-1.22	0.88/2.47	-1.52/-5.4	-13.05/-3.78	-1.96/-6.13	-3.2/-4.04	-2.63/2.75	3.07/2.14	1.64/-1.18	-4.06/-5.08	-3.18/-2.31	-1.56/-4.41	-1.72/-3.61	-3.21/-5.76	-5.37/-5.91	-6.62/-5.5
Θ(135°)	-9.95/-13.82	-15.13/-14.09	-14.01/-15.35	-17.96/-13.3	-12.38/-10.25	-9/-13.47	-17.57/-19.03	-18.5/-15.76	-11.06/-18.2	-15.05/-11.08	-11.92/-12.74	-13.97/-12.73	-11.51/-18.42	-8.94/-8.29	-12.61/-12.36	-8.6/-8.9	-10.02/-18.73	-18.03/-11.64	-17.24/-9.95	-18.63/-16.2	-13.34/-11.22	-18.65/-12.74	-13.23/-17.56	-18.82/-13.31
Θ(142.5°)	-10.14/-12.9	-15.76/-13.75	-11.15/-10.12	-13.37/-15.55	-15.52/-16.33	-16.5/-15.11	-18.53/-18.31	-19.17/-15.8	-12.48/-14.21	-13.44/-18.2	-14.65/-16.14	-15.2/-18.09	-19.04/-14.69	-14.76/-16.66	-14.75/-17.92	-18.27/-13.03	-18.79/-17.12	-17.13/-16.29	-14.29/-12.35	-13.01/-18.87	-18.62/-18.88	-18.08/-12.93	-16.06/-14.59	-13.71/-12.38
Θ(150°)	-14.8/-15.87	-16.3/-13.37	-11.42/-11.26	-13.13/-14.31	-12.69/-11.26	-11.87/-14.93	-18.5/-18.8	-17.78/-18.69	-19.14/-16.44	-12.79/-17.97	-18.73/-19.11	-18.08/-18.37	-18.55/-18.27	-15.25/-19.17	-18.2/-18.96	-19.01/-14.09	-17.53/-18.7	-18/17.57	-19.19/-18.03	-16.75/-15.24	-17.65/-19.02	-18.93/-13.73	-15.38/-17.51	-17.88/-16.17
Θ(157.5°)	-17.44/-17.79	-17.81/-15.71	-14.69/-15.51	-14.66/-12.1	-12.43/-14.34	-19.3/-18.92	-19.04/-18.97	-19.01/-17.94	-18.38/-18.11	-17.88/-18.9	-17.44/-18.93	-17.92/-18.31	-18.17/-18.49	-18.63/-19.76	-19.58/-17.87	-19.14/-18.2	-18.63/-19.76	-18.81/-19.07	-19.1/-18.09	-15.75/-12.75	-14.65/-18.54	-18.48/-18.21	-18.24/-18.15	-18.58/-17.88
Θ(165°)	-17.91/-19.03	-18.83/-18.18	-18.54/-18.92	-15.89/-16	-16.75/-15.42	-14.78/-15.36	-19.07/-17.63	-17.46/-18.63	-18.39/-19.16	-17.37/-18.6	-17.62/-18.15	-18.96/-18.2	-17.36/-17.16	-17.82/-18.39	-18.12/-18.26	-18.55/-17.46	-19.18.69	-18.66/-17.75	-18.69/-18.74	-18.3/-18.73	-17.36/-18.15	-17.36/-18.15	-18.24/-18.15	-18.58/-17.88
Θ(172.5°)	-17.6/-18.1	-18.26/-18.07	-17.37/-18.37	-19.22/-18.02	-17.45/-16.64	-18.7/-18.63	-18.56/-18.57	-17.32/-18.41	-18.92/-18.03	-18.97/-17.73	-18.27/-18.61	-18.42/-17.83	-17.58/-18.24	-18.55/-17.9	-18.82/-18.36	-18.17/-18.07	-18.9/-18.97	-18.61/-16.04	-16.49/-18.89	-18.13/-18	-18.13/-18.77	-18.67/-18.16	-18.78/-18.36	-19.18/-18.26
Θ(180°)	-15.49/-15.85	-17.12/-17.68	-17.39/-17.65	-17.89/-18.94	-18.42/-18	-18.83/-18.45	-18.9/-18.6	-17.42/-18.12	-18.55/-18.54	-16.43/-14.82	-15.51/-16.76	-16.77/-15.64	-14.95/-14.13	-14.37/-14.96	-16.42/-16.39	-18.22/-18.74	-19.13/-17.44	-18.29/-18.31	-18.67/-17.92	-17.59/-18.91	-19.26/-17.75	-16.97/-15.75	-16.18/-15.53	-15.38/-15.71
Freq(Hz)	5.3GPol.	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°)	-5.1/-4.58	-4.41/-4.69	-5.25/-5.35	-5.58/-6.41	-7.5/-8.3	-8.98/-10.04	-10.18/-10.33	-10.38/-9.53	-8.85/-8.1	-7.03/-5.92	-4.96/-4.85	-4.9/-4.57	-4.12/-3.97	-4.22/-4.94	-5.33/-5.36	-5.63/-6.21	-7.02/-9.11	-9.02/-10.52	-11.26/-11.12	-10.77/-9.89	-9.07/-7.66	-6.77/-6.25	-5.9/-5.58	-5.65/-5.63
Θ(7.5°)	-2.62/-2.63	-2.45/-2.8	-3.81/-5.05	-5.88/-6.1	-6.43/-7.25	-8.41/-9.58	-9.89/-10.28	-10.8/-10.74	-10.26/-9.89	-8.98/-7.91	-6.6/-6.52	-5.03/-4.04	-3.61/-3.6	-3.4/-3.58	-4.23/-4.69	-4.62/-5.73	-6.67/-8.55	-10.04/-10.64	-10.01/-9.14	-7.97/-6.58	-5.66/-4.37	-3.94/-3.43	-2.81/-2.06	-1.92/-2.06
Θ(15°)	-3.11/-3.64	-4.01/-4.85	-5.81/-6.69	-6.5/-6.51	-6.72/-6.93	-6.93/-6.9	-7.21/-7.31	-7.24/-6.8	-6.55/-6.26	-6.07/-5.86	-5.32/-4.64	-3.87/-3.21	-2.94/-3.27	-3.62/-3.26	-2.97/-3.66	-4.3/-4.08	-6.88/-6.26	-8.06/-8.71	-7.59/-7.25	-7.28/-6.8	-6.38/-5.44	-5.68/-3.39	-2.57/-1.82	-1.79/-2.09
Θ(22.5°)	-3.51/-5.13	-6.71/-8	-9.01/-8.84	-8.08/-8.97	-10.6/-12.28	-10.43/-15.4	-6.04/-6.56	-4.69/-4.63	-5.4/-6.78	-8.34/-10.71	-12.52/-11.69	-9.61/-7.12	-4.79/-2.7	-2.04/-3.27	-2.96/-3.5	-4.33/-3.39	-2.74/-3.91	-5.99/-8.33	-7.77/-7.59	-9.56/-11.01	-9.65/-8.14	-5.8/-3.66	-1.48/-0.5	-0.61/-1.85
Θ(30°)	-1.25/-2.73	-4.25/-5.3	-5.02/-4.97	-5.24/-7.7	-9.98/-12.77	-16.58/-12.22	-8.51/-7.42	-5.89/-5.46	-6.44/-8.34	-9.06/-9.27	-8.55/-5.9	-4.38/-3.86	-3/-2.27	-2.32/-3.1	-3.36/-3.77	-4.52/-4.44	-4.02/-3.58	-4.09/-5.64	-8.11/-9.42	-9.07/-7.76	-7.99/-9.62	-8.73/-9.59	-3.14/-1.7	0.150/13
Θ(37.5°)	-2.88/-3.91	-4.72/-3.91	-2.99/-4.08	-5.88/-8.36	-12.66/-16.56	-18.85/-16.97	-11.77/-8.89	-7.7/-5.81	-6.12/-7.71	-8.63/-7.61	-6.81/-7.65	-4.78/-5.9	-2.82/-3.91	-2.52/-7.75	-7.42/-5.54	-4.22/-3.53	-3.65/-5.91	-4.92/-2.91	-5.58/-9.32	-5.08/-4.57	-5.97/-7.82	-5.96/-4.98	-5.7/-3.53	-1.62/-1.67
Θ(45°)	-3.45/-5.1	-4.88/-3.8	-3.9/-6.56	-9.84/-9.97	-12.68/-19.07	-18.25/-18.17	-9.97/-7.68	-9.96/-8.7	-6.44/-6.71	-7.52/-7.59	-6.24/-6.33	-3.31/-2.43	-5.03/-3.91	-2.52/-3.38	-3.91/-2.64	-3.8/-5.89	-3.79/-3.46	-7.24/-3.96	-5.3/-9.8	-5.2/-6.64	-6.18/-3.67	-2.71/-3.58	-5.35/-3.51	-1.94/-2.78
Θ(52.5°)	-1.96/-4.08	-5.36/-7.06	-7.06/-6.85	-7.46/-7.7	-7.63/-9.84	-18.06/-18.1	-11.28/-9.49	-13.75/-6.91	-7.26/-7	-5.08/-7.75	-9.71/-10.88	-3.18/-1.2	-7.02/-18.48	-7.72/-3.7	-4.08/-1.7	-1.47/-4.86	-9.17/-4.36	-7.25/-4.63	-6.02/-8.4	-6.99/-9.66	-5.52/-8.32	-3.93/-6.07	-5.68/-4.55	-3.56/-1.35
Θ(60°)	-2.39/-2.72	-5.37/-13	-7.37/-5.53	-4.62/-4.77	-7.67/-6.05	-9.13/-13.14	-																	



Radiated Composite Gain Data_Radio 3 & Radio 4

Appendix C

Θ(52.5°)	0.07/-0.39	-1.19/-5.83	-9.55/-8.26	-10.48/-7.24	-2.25/-4.52	-7.58/-6.09	-6.86/-3.63	-1.34/-0.52	0.99/-0.63	-1.55/-0.84	-0.74/-4.28	-4.63/-0.21	0.84/-2.98	-1.98/-0.9	-1.36/-2.62	-1.5/-0.48	-3.06/-2.34	1.09/-2.97	-3.43/-6.71	-18.78/-10.46	-12.16/-14.39	-16.98/-8.01	-5.75/-4.73	-0.42/-0.51
Θ(60°)	-2.33/-4.94	-1.75/-6.58	-17.88/-8.84	-5.07/-1.41	0.54/-1.14	-4.13/-3.62	-4.44/-3.95	-4.39/-0.19	3.11/-6.4	-0.50/-0.62	-0.74/-6.49	-4.89/-1.39	0.64/-1.49	-4.42/-2.1	0.19/-2.9	-2.64/-1.9	-2.64/-4.1	-0.6/-2.17	-5.58/-3.69	-7.42/-4.84	-4.06/-4.54	-7.87/-9.06	-8.7/-8.08	-3.01/-2.29
Θ(67.5°)	-5.84/-4.51	-3.49/-5	-10.33/-10.67	-3.03/-0.54	0.05/-0.49	-0.75/-1.65	-2.83/-2.06	-3.58/-1.7	2.69/-6.9	0.03/-0.3	-1.63/-8.65	-2.99/-3.88	-3.25/-0.85	-3.67/-2.54	1.43/-1.33	-2.87/-0.69	-0.76/-3.78	-0.38/-0.97	-4.28/-1.78	-2/-3.45	-8.87/-11.34	-8.79/-8.85	-8.79/-8.85	-7.56/-7.67
Θ(75°)	-4.41/-4.78	-5.74/-4.49	-6.8/-6.58	-2.85/-0.1	-0.43/-0.65	0.15/-1.73	-3.01/-2.12	-2.73/-4.35	1.28/-2.11	-0.52/-2.11	-1.54/-7.99	-3.62/-4	-4.37/-0.27	-1.59/-2.41	0.16/-0.03	-0.39/-1.14	1.55/-3.16	-0.23/-0.01	0.43/-1.01	-0.41/-0.88	-2.98/-2.92	-6.49/-9.07	-6.08/-7.91	-9.22/-6.39
Θ(82.5°)	-4.21/-4.8	-7.59/-4.79	-4.86/-3.28	-3.75/-0.76	-0.46/-0.16	0.31/-2.44	-4.24/-4.27	-3.49/-5.31	-0.36/-0.59	-1.39/-1.8	-2.24/-7.9	-3.66/-2.56	-2.95/-0.86	-2.57/-1.52	-1.35/-0.49	0.59/-1.66	2.69/-3.66	-1.06/-0.94	1.84/-1.5	-0.01/-0.89	-4.73/-3.69	-6.07/-6.78	-4.83/-8.74	-7.57/-6.84
Θ(90°)	-7.26/-7.08	-10.61/-5.3	-4.49/-3.9	-5.77/-1.26	-2.1/-19	-0.52/-3.57	-4.77/-5.66	-5.18/-8.14	-2.98/-1	-1.44/-0.5	-4.04/-8.44	-5.16/-3.02	-2.78/-2	-4.01/-2.52	-3.99/-0.98	-0.07/-1.17	0.94/-6.62	-2.75/-0.18	1.21/-0.14	-0.88/-2.45	-6.84/-3.92	-7.07/-8.66	-5.37/-10.57	-7.56/-7.67
Θ(97.5°)	-9.76/-7.31	-13.81/-6.81	-6.28/-5.08	-7.03/-1.73	-2.14/-2.7	-2.47/-5.61	-6.07/-7.9	-7.86/-10.64	-5/-3.55	-5.03/-1.16	-5.32/-10.94	-7.88/-3.87	-2.31/-4.91	-5.97/-2.77	-4.39/-3.72	-2.61/-2.31	-2.8/-7.67	-5.83/-3.2	-1.13/-3.35	-2.67/-4.94	-8.18/-4.52	-8.94/-9.06	-6.22/-15.12	-8.59/-8.24
Θ(105°)	-9.46/-9.47	-15.38/-11.11	-7.15/-7.26	-8.5/-2.94	-4.06/-3.64	-3.66/-7.27	-9.37/-14.34	-13.43/-15.89	-9/-5.53	-7.03/-2.27	-6.34/-11.83	-8.42/-8.57	-3.11/-5.06	-9.99/-4.8	-5.39/-5.4	-7.57/-5.18	-9.7/-12.44	-8.99/-9.2	-4.82/-6.57	-5.38/-6.36	-8.82/-6.69	-12.83/-7.97	-8.66/-11.97	-8.67/-8.44
Θ(112.5°)	-12.37/-7.8	-13.56/-12.62	-7.87/-9.14	-7.77/-5.74	-8.58/-5.61	-5.85/-9.2	-9.05/-13.69	-17.42/-15.07	-9.15/-5.58	-9.03/-5.5	-10.02/-18.59	-15.06/-8.64	-5.91/-7.62	-14.19/-7.37	-7.28/-5.56	-8.46/-5.45	-8.58/-13.28	-8.4/-12.51	-8.57/-7.23	-6.29/-9.92	-11.66/-7.32	-15.77/-12.91	-13.64/-14.13	-13.76/-9.89
Θ(120°)	-11.25/-10.53	-14.19/-16.03	9.83/-12.69	-12.83/-10.99	-11.02/-10.07	-8.66/-11.23	-8.91/-11.48	-15.26/-14.8	-9.57/-6.77	-12.06/-5.94	-8.58/-14.59	-18.83/-10.12	-12.96/-10.41	-18.81/-7.5	-12.88/-5.5	-8.91/-7.81	-4.94/-14.65	-8.08/-8	-9.55/-4.62	-10.11/-13.57	-9.51/-9.74	-18.93/-16.23	-15.73/-10.77	-13.47/-11.17
Θ(127.5°)	-12.1/-8.3	-13.38/-14.46	-14.86/-15.65	-16.84/-18.67	-10.93/-13.36	-8.86/-12.25	-17.34/-18.42	-15.11/-17.39	-12.89/-11.03	-18.71/-7.61	-7.68/-9.82	-19.24/-17.95	-8.26/-18.26	-17.88/-6.12	-11.6/-8.92	-8.84/-10.61	-7.48/-9.87	-10.1/-7.69	-13.07/-14.17	-12.06/-14.91	-18.6/-9.11	-18.86/-12.89	-16.09/-10.58	-16.09/-10.58
Θ(135°)	-11.05/-10.06	-12.45/-14.33	-16.49/-15.14	-12.92/-19.04	-19.39/-15.26	-11.13/-3.6	-14.52/-13.32	-13.82/-19.16	-11.89/-10.83	-19.05/-15.81	-15.62/-12.48	-17.15/-19.05	-18.19/-19.31	-18.38/-9.22	-13.53/-14.96	-17.88/-15.77	-11.94/-10.71	-9.22/-16.41	-13.51/-10.55	-19.06/-18.14	-17.88/-11.46	-15.66/-7.97	-14.77/-9.91	-14.76/-11.87
Θ(142.5°)	-10.63/-13.37	-10.32/-13.04	-14.54/-13.9	-13.41/-15.93	-14.18/-14.42	-18.81/-18.28	-18.97/-18.16	-16.29/-18.36	-13.58/-11.29	-18.41/-16.99	-14.46/-13.03	-15.72/-14.99	-18.08/-11.32	-12.92/-12.25	-11.76/-17.21	-18.23/-14.79	-10.7/-14.44	-19.22/-15.91	-15.42/-10.17	-12.14/-16.09	-18.9/-13.62	-11.33/-11.76	-15.62/-12.06	-14.67/-13.46
Θ(150°)	-11.21/-12.94	-14.16/-10.85	-10.4/-12.81	-15.44/-13.52	-9.83/-8.53	-8.54/-9.97	-12.92/-16.1	-18.96/-17.72	-14.09/-12.98	-14.51/-11.88	-18.16/-18.14	-17.72/-18.38	-14.08/-17.3	-16.96/-17.44	-18.69/-18.36	-16.91/-16.22	-17.54/-18.76	-19.02/-19.05	-15.23/-15.47	-18.39/-17.22	-15.54/-12.98	-18.39/-17.22	-16.04/-13.63	-12.92/-13.21
Θ(157.5°)	-15.72/-12.79	-12.11/-12.73	-14.75/-14.31	-12.76/-12.21	-11.31/-10.35	-10.92/-13.15	-15.06/-14.25	-13.63/-15.28	-17.71/-16.81	-19.21/-14.96	-15.19/-15.96	-18.02/-17.82	-17.21/-18.01	-17.33/-19.39	-17.81/-16.46	-16.39/-15.71	-15.34/-17.01	-17.33/-17.92	-18.08/-16.56	-14.11/-14.86	-15.65/-13.11	-15.54/-18.22	-14.48/-16.71	-14.88/-18.94
Θ(165°)	-17.11/-14.28	-15.02/-16.14	-16.52/-17.82	-18.8/-16.42	-14.95/-15.4	-15.14/-15.8	-18.2/-19.09	-19.28/-18.8	-18.44/-18.88	-17/-15.9	-16.87/-18.71	-18.62/-17.53	-18.23/-18.31	-18.28/-17.79	-19.44/-19.03	-18.02/-19.13	-18.52/-18.12	-18.57/-18.29	-18.25/-17.85	-18.29/-16.44	-18.5/-17.81	-17.61/-19.39	-17.58/-17.55	-15.31/-16.24
Θ(172.5°)	-15.19/-18.61	-17.2/-18.33	-18.78/-18.9	-19.25/-17.56	-16.88/-15.93	-16.61/-18.23	-18.65/-18.89	-18.41/-19.09	-19.04/-18.98	-17.74/-18.91	-18.08/-18.67	-16.86/-16.43	-16.06/-16.31	-16.22/-15.34	-14.81/-16.77	-18.31/-18.2	-15.64/-14.83	-15.03/-16.61	-16.8/-19.12	-18.93/-18.02	-18.37/-18.08	-18.53/-18.93	-17.62/-19.2	-14.6/-14.18
Θ(180°)	-18.42/-18.96	-18.37/-18.68	-18.79/-18.84	-18.28/-17.79	-17.72/-17.28	-17.58/-18.8	-17.37/-17.65	-18.75/-19.05	-19.07/-18.9	-17.73/-17.68	-18.02/-17.78	-17.76/-17.96	-18.89/-18.87	-17.68/-17.68	-17.82/-19.1	-17.63/-17.85	-17.57/-17.43	-17.59/-18.69	-18.04/-18.35	-19.09/-19.28	-18.84/-18.52	-19.04/-18.44	-17.54/-18.99	-18.26/-18.55
Freq(Hz)	5.785GPol.	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°)	-4.15/-4.17	-4.35/-3.84	-4.22/-2.54	-5.65/-4.42	-5.94/-6.63	-7.32/-4.99	-7.01/-7.56	-7.71/-7.62	-7.45/-7.64	-7.26/-6.87	-6.78/-6.53	-5.44/-8.43	-4.07/-4.12	-4.59/-4.16	-4.11/-4.68	-4.38/-4.33	-4.95/-6.4	-6.93/-7	-6.67/-6.53	-6.9/-6.87	-7.05/-7.42	-6.35/-4.72	-4.86/-4.67	-4.13/-4.32
Θ(7.5°)	-6.28/-6.5	-4.93/-4.29	-3.83/-3.83	-3.98/-4.06	-4.29/-4.75	-5.94/-7.18	-7.88/-9.03	-10.46/-11.01	-12.33/-11.57	-10.8/-9.63	-9.26/-8.69	-8.72/-7.81	-8.38/-8.87	-8.19/-8.27	-7.62/-6.85	-6.63/-6.06	-5.67/-5.65	-5.48/-5.88	-6.85/-7.32	-7.95/-8.11	-7.72/-7.24	-7.59/-7.29	-6.62/-6.88	-6.62/-6.88
Θ(15°)	-6.53/-6.73	-5.11/-4.19	-4.17/-5.15	-6.04/-6.9	-8/-8.57	-7.71/-6.25	-5.63/-6.85	-7.32/-9.28	-12.46/-15.29	-15.5/-13.96	-11.9/-9.52	-7.05/-4.9	-4.29/-4.59	-4.75/-5.05	-4.63/-5.53	-4.71/-7.36	-6.38/-6.49	-3.94/-3.95	-4.51/-6.04	-4.78/-5.57	-6.77/-5.55	-4.75/-4.32	-4.66/-4.68	-4.93/-5.87
Θ(22.5°)	-4.98/-5.68	-5.61/-5.5	-6.03/-8.45	-11.58/-13.66	-12.43/-9.26	-7.33/-5.49	-4.09/-3.96	-5.27/-7.02	-8.7/-9.08	-8.14/-8.84	-9.68/-9.52	-9/-6.32	-4.87/-3.44	-3.98/-6.62	-6.55/-5.47	-3.29/-2.1	-2.02/-2.21	-2.79/-3.19	-3.75/-4.85	-6.42/-7.2	-6.68/-5.74	-4.82/-4.07	-2.84/-2.04	-2.2/-3.4
Θ(30°)	-6.28/-9.14	-8.38/-5.56	-4.81/-8.1	-12.49/-18.9	-18.75/-15.64	-9.21/-5.19	-4.76/-5.93	-5.14/-4.91	-7.75/-8.8	-7.06/-7.67	-11.43/-14.02	-15.97/-10.86	-5.78/-3.02	-4.94/-2.59	-5.81/-6.74	-3.65/-2.03	-1.77/-1.23	-2.79/-7.6	-6.63/-4.3	-6.31/-10.63	-12.71/-9.68	-8.15/-6.98	-4.84/-3.71	-3.71/-4.21
Θ(37.5°)	-5.18/-8.75	-7.49/-4.87	-4.05/-5.79	-10.17/-29	-18.48/-18.48	-17.84/-11.82	-8.77/-10.13	-5.14/-6.4	-10.85/-10.83	-7.46/-4.79	-2.74/-6.4	-7.26/-6.92	-5.49/-3.46	-5.77/-5.7	-6.89/-6.09	-2.48/-2.09	-7.27/-6.76	-6.38/-10.87	-11.83/-6.18	-6.78/-11.05	-8.93/-7.01	-8.46/-8.15	-5.55/-3.69	-2.43/-2.26
Θ(45°)	-5.03/-4.54	-3.68/-4.08	-4.83/-7.39	-14.27/-18.01	-18.84/-19.04	-17.78/-14.94	-18.75/-13.69	-6.68/-6.19	-7.12/-12.18	-18.17/-9.91	-4.33/-7.7	-11.79/-9.79	-5.54/-4.21	-4.29/-10.96	-12.64/-6.64	-6.63/-5.4	-6.74/-11.6	-9.32/-6.63	-7.59/-3.81	-7.26/-6.05	-3.87/-4.52	-5.77/-6.46	-6.09/-6.45	-2.49/-7.29
Θ(52.5°)	-6.01/-6.57	-4.08/-3.44	-5.23/-10.44	-13.92/-10.77	-13.65/-18.73	-19.28/-12.95	-13.34/-18.23	-12.73/-7.24	-4.78/-8.97	-14.75/-7.12	-4.52/-5.49	-2.82/-7.27	-15.25/-13.37	-5.49/-5.33	-6.41/-2.38	-3.03/-11.29	-7.61/-11.17	-12.83/-6.73	-4.56/-5.81	-6.39/-4.88	-4.65/-5.25	-4.87/-7.64	-8.01/-6.57	-2.85/-3.31
Θ(60°)	-6.78/-7.89	-6.66/-5.34	-6.66/-7.41	-8.84/-8.19	-8.91/-16.8	-13.11/-18.3	-11.81/-16.88	-10.40/-10.16	-5.44/-4.62	-9.87/-9.11	-10.27/-17.67	-7.19/-2.84	-13.28/-12.31	-8.11/-6.35	-11.65/-8.71	-11.57/-8.78	-12.34/-13.59	-7.94/-5.77	-7.27/-6.81	-8.37/-10.85	-7.76/-7.75	-5.92/-7.57	-9.06/-5.1	-1.58/-3.58
Θ(67.5°)	-6.61/-6.1	-8.79/-7.85	-6.31/-4.68	-4.94/-7.28	-8.47/-12.33	-10.72/-16.83	-11.21/-28.34	-16.18/-15.63	-5.84/-5.66	-12.91/-10.94	-6.53/-7.5	-10.26/-6.1	-9.85/-7.43	-4.85/-5.24	-18.63/-19.7	-12.02/-9.92	-18.53/-16.83	-4.25/-7.25	-6.08/-12.17	-18.56/-18.88	-10.74/-14.62	-11.67/-15.43	-13.95/-6.63	-2.94/-4.92
Θ(75°)	-6.9/-4.4	-8.62/-9.61	-5.55/-4.85	-5.28/-4.75	-11.07/-10.57	-7.32/-8.86	-9.84/-14.82	-12.58/-18.9	-8.59/-7.28	-13.45/-9.57	-2.36/-3.98	-4.58/-3.72	-7.48/-7.91	-4.09/-3.89	-18.45/-9.4	-11.71/-14.94	-17.48/-6.88	-3.45/-10.4	-11.26/-17.64	-18.75/-18.08	-12.48/-13.62	-18.06/-18.21	-18.21/-16.09	-4.12/-9.99
Θ(82.5°)	-6.18/-4.57	-9.61/-10.48	-5.49/-5.71	-6.8/-8.33	-13.87/-11.36	-7.82/-6.33	-8.75/-12.94	-10.89/-18.33	-12.41/-8.75	-13.26/-3.84	-2.57/-4.77	-4.94/-2.3	-6.53/-10.01	-4.07/-5.11	-18.47/-6.51	-17.17/-17.23	-16.33/-6.49	-5.05/-14.46	-19.32/-16.2	-13.15/-13.02	-9.22/-10.12	-18.22/-18.37	-19.37/-15.47	-6.6/-8.78
Θ(90°)	-10.68/-4.58	-9.3/-13.14	-5.78/-6.77	-8.9/-10.4	-15.3/-11.89	-8.39/-6.2	-8.75/-10.43	-9.28/-15.15	-17.48/-12.92	-12.41/-12.59	-5.15/-9.8	-8.78/-2.9	-8.38/-11.69	-5.35/-5.38	-19.11/-8.19	-7.44/-13.89	-15.08/-6.27	-8.11/-18.74	-17.33/-11.28	-10.11/-11.25	-7.38/-8.68	-15.33/-18.55	-13.64/-17.62	-7.91/-10.04
Θ(97.5°)	-12.39/-6.67	-10.54/-15.06	-7.05/-7.43	-10.23/-10.35	-14.76/-15.23	-8.99/-7.13	-8.77/-12.94	-9.57/-14.73	-17.69/-15.48	-11.38/-12.15	-8.33/-7.6	-13.15/-4.1	-11.42/-10.26	-6.71/-9.39	-16.1/-11	-11.58/-11.87	-10.45/-7.18	-1						



Radiated Composite Gain Data_Radio 3 & Radio 4

Appendix C

Θ(90°)	-4.32/-5.91	-8/-8.89	8.35/-12.86	-12.01/-6.27	-2.66/0.63	-3.73/-3.5	-6.54/-0.46	-4.54/0.61	-0.87/-3.66	-1.47/-5.42	-3.9/-0.35	-1.64/-4.83	-7.02/-1.43	-0.81/0.5	-2.96/-8	-0.53/-2	1.29/0.89	-1.03/-3.51	-4.14/-0.94	0.34/-3.66	-6.18/-7.07	-4.02/-10.15	-4.06/-8.57	-9.06/-3.15
Θ(97.5°)	-6.71/-7.33	-8.48/-8.74	-9.02/-12.64	-14.29/-8.54	-3.76/-0.91	-6.98/-4.27	-7.34/-0.89	-3.02/-7.14	-3.84/-7.08	-4.71/-1.14	-3.82/-4.58	-11.95/-3.36	-3.66/-0.48	-4.41/-11.84	-3.14/-0.74	-2.63/-2.74	-4.1/-7.46	-5.81/-2.25	-3.78/-7.46	-6.98/-10.89	-6.26/-11.9	-10.26/-4.42		
Θ(105°)	-8.57/-10.34	-12.4/-8.64	-8.22/-11.05	-18.63/-13.47	-6.64/-2.86	-9.49/-6.82	-9.43/-9.2	-5.11/-10.25	-6.98/-8.88	-6.54/-2.83	-5.93/-5.17	-10.02/-0.08	-7.46/-2.64	-5/-1.98	-7.1/-5.52	-7.4/-6.34	-9.19/-12.83	-7.65/-7.24	-7.24/-9.51	-12.18/-14.37	-9.16/-13.34	-8.63/-11.92	-11.43/-4.8	
Θ(112.5°)	-8.35/-10.27	-13.25/-10.04	8.13/-10.87	-18.35/-17.53	-8.65/-8.2	-10.95/-8.28	-10.21/-5.83	-10.75/-8.3	-5.25/-12.48	-10.23/-11.55	-9.9/-5.14	-8.45/-9.29	-12.47/-6.68	-8.61/-4.44	-6.69/-11.93	-5.63/-4.27	-8.69/-8.01	-6.64/-16.21	-8.78/-8.2	-6.58/-16.98	-14.51/-18.98	-16.12/-13.41	-11.31/-10.81	-12.81/-6.43
Θ(120°)	-8.09/-9.13	-12.02/-10.72	-9.69/-12.54	-18.22/-17.58	-14.63/-12.92	-13.16/-11.72	-17.42/-10.08	-12.82/-12.23	-7.57/-13.39	-9.16/-9.76	-9.53/-7.96	-11.65/-13.4	-14.63/-12.43	-15.11/-8.38	-7.14/-5.51	-6.21/-7.23	-7.29/-11.14	-7.34/-17.64	-14.58/-9.51	-8.82/-15.99	-18.71/-18.64	-18.3/-12.74	-11.75/-11.47	-13.77/-12.23
Θ(127.5°)	-9.65/-11.12	-13.84/-11.01	-9.76/-11.48	-18.61/-18.07	-19.28/-17.87	-17.1/-12.7	-16.63/-9.95	-15.15/-14.22	-8.56/-9.92	-13.75/-9.24	-10.14/-9.45	-17.71/-17.19	-10.92/-4.59	-7.5/-10.62	-14.67/-17.54	-19.08/-16.17	-8.29/-18.73	-11.11/-11.28	-11.51/-19.17	-11.99/-10.8	-9.7/-15.35	-15.53/-16.19	-7.28/-11.7	
Θ(135°)	-8.35/-11.91	-12.34/-12.73	-9/-11.21	-18.73/-18.79	-16.38/-19.28	-17.57/-18.93	-18.11/-14.08	-13.96/-17.32	-14.11/-14.42	-14.54/-18.02	-10.88/-14.18	-11.49/-16.5	-17.53/-19.8	-18.71/-6.38	-11.12/-13.34	-16.01/-12.87	-15.67/-7.85	-7.7/-15.83	-14.79/-9.11	-19.07/-18.27	-11.45/-17.56	-9.63/-17.94	-12.69/-13.41	-10.87/-10.01
Θ(142.5°)	-11.53/-11	-11.19/-14.31	-15.41/-9.74	-8.88/-12.52	-18.87/-18.65	-19.09/-19.11	-16.53/-13.19	-12.37/-16.34	-17.29/-10.03	-12.68/-18.09	-16.54/-10.73	-9.58/-13.66	-18.75/-15.07	-10.66/-15.78	-11.06/-18.78	-14.78/-15.56	-14.28/-9.84	-14.6/-15.82	-18.03/-16.21	-16.67/-15.43	-18.2/-12.6	-14.64/-12.68	-9.55/-14.97	-10.88/-12.59
Θ(150°)	-12.28/-10.79	-14.56/-15.82	-14.65/-14.72	-13.07/-12.87	-12.56/-13.89	-13.68/-18.29	-17.19/-18.6	-13.69/-12.74	-17.1/-10.93	-10.37/-12.59	-16.73/-18.51	-17.42/-15.03	-17.77/-18.78	-18.41/-18.53	-18.92/-18.27	-17.8/-18.41	-19.14/-12.93	-14.62/-16.24	-14.76/-18.83	-16.22/-14.13	-13.12/-18.7	-17.45/-18.75	-11.95/-13.03	-11.34/-10.38
Θ(157.5°)	-13.34/-15.51	-17.09/-14.5	-15.53/-18.17	-18.59/-16.93	-17.51/-18.72	-15.37/-15.8	-13.24/-12.98	-15.48/-17.3	-18.04/-18.53	-13.8/-13.3	-15.79/-16.45	-17.66/-18.91	-17.88/-18.67	-18.95/-18.2	-17.45/-17.59	-15.86/-13.17	-12.97/-16.59	-18.63/-17.1	-19.17/-18.88	-17.52/-18.79	-16.76/-17.77	-14.89/-12.83	-15.88/-12.48	-12.15/-12.16
Θ(165°)	-18.22/-19.51	-13.6/-12.48	-12.04/-13.03	-15.43/-18.66	-18.47/-17.98	-19.11/-17.96	-18.94/-19.29	-18.27/-17.26	-18.18/-13.37	-18.64/-17.22	-13.29/-16.52	-18.2/-18.21	-18.81/-17.47	-17.76/-18.31	-19.3/-16.51	-16.31/-18.62	-18.85/-19.14	-18.43/-19.09	-19.09/-18.02	-17.74/-18.55	-17.89/-17.67	-18.91/-16.73	-17.26/-18.09	-17.66/-18.19
Θ(172.5°)	-18.24/-18.95	-17.94/-15.65	-16.22/-15.85	-17.61/-19.81	-18.91/-18.64	-17.13/-18.61	-19.16/-17.79	-17.72/-18.38	-18.93/-17.97	-17.61/-18.58	-18.66/-15.5	-17.69/-18.59	-18.66/-15.5	-16.36/-14.79	-15.23/-13.64	-13.26/-14.93	-15.68/-16.21	-16.95/-18.45	-17.98/-18.47	-17.73/-17.91	-19.36/-18.73	-17.93/-19.23	-18.51/-17.99	
Θ(180°)	-18.2/-17.81	-15.6/-15.06	-14.02/-13.6	-11.61/-10.35	-11.37/-12.2	-12.31/-12.28	-13.31/-14.14	-14.65/-14	-14.75/-16.17	-17.42/-17.27	-19.21/-18.41	-18.91/-18.29	-18.34/-17.58	-17.79/-17.86	-16.06/-13.01	-11.58/-12.59	-13.37/-13.86	-11.95/-11.89	-13.8/-14.6	-14.2/-16.04	-17.77/-18.49	-17.61/-17.46	-18.74/-18.71	-18.84/-18.98
Freq(Hz)	6.475GPol.	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°)	-7.92/-8.55	-8.08/-8.18	-9.85/-10.48	-10.71/-11.47	-12.66/-12.35	-12.63/-12.66	-11.76/-11.22	-11.37/-10.54	-8.89/-8.84	-8.21/-7.62	-6.92/-6.76	-8.05/-7.52	-6.77/-7.31	-8.11/-8.56	-8.86/-9.37	-8.74/-9.66	-10.51/-12.23	-12.98/-10.77	-9.96/-8.99	-9.17/-8.88	-8.75/-8.07	-7.77/-6.99	-6.99/-7.29	-7/-8.07
Θ(7.5°)	-5.21/-5.4	-6.33/-6.96	-8.21/-9.84	-11.48/-13.49	-13.13/-14.38	-15.3/-13.99	-12.71/-11.36	-9.92/-8.89	-7.58/-6.84	-6.02/-5.48	-4.98/-5.4	-6.06/-6.05	-5.64/-5.4	-6.05/-4.62	-6.34/-6.06	-6.44/-6.1	-8.46/-8.87	-8.99/-10.85	-9.6/-8.5	-7.32/-6.55	-5.58/-4.7	-4.02/-3.27	-3.92/-4.1	-4.78/-5.6
Θ(15°)	-8.75/-7.15	-6.71/-6.49	-5.96/-7.38	-8.85/-8.03	-6.9/-6.87	-6.74/-6.03	-5.92/-6.58	-4.73/-10.83	-10.3/-8.54	-6.08/-5.25	-2.23/-2.54	-4.75/-9.15	-12.38/-11.6	-10.86/-10.75	-9.81/-7.15	-6.44/-4.55	-3.37/-3.49	-4.97/-8.12	-9.55/-8.04	-6.43/-4.58	-4/-4.4	-6.02/-3.66	-10.46/-13.15	-12.5/-11.65
Θ(22.5°)	-10.02/-8.92	-9.76/-13.55	-15.4/-13.79	-8.98/-6.93	-5.77/-4.85	-3.57/-3.87	-3.73/-3.65	-5.4/-11.03	-18.36/-18.85	-18.51/-8.13	-3.41/-1.38	-1.58/-4.7	-9.23/-11.21	-10.36/-7.14	-3.81/-3	-3.96/-6.79	-7.24/-5.51	-5.92/-10.62	-13.39/-10	-9.74/-8.03	-4.81/-3.11	-3.43/-4.64	-6.86/-9.39	-11.72/-10.96
Θ(30°)	-5.69/-6.43	-5.39/-8.72	-13.22/-17.38	-15.74/-7.83	-5.97/-6.18	-6.07/-7.07	-5.72/-4.42	-4.97/-7.01	-10.87/-11.1	-10.72/-10.9	-8.44/-3.99	-1.72/-3.35	-16.84/-18.95	-15.27/-5.76	-5.09/-5.87	-6.79/-8.54	-9.47/-9.15	-7.34/-7.27	-11.68/-6.57	-4.65/-8.41	-3.23/-3.32	-4.4/-5.31	-8.87/-14.24	-18.48/-18.19
Θ(37.5°)	-6.12/-4.75	-5.05/-6.41	-10.31/-14.27	-16.86/-18.92	-18.25/-13.96	-9.42/-12.23	-8.96/-5.31	-8.72/-4.47	-5.84/-6.96	-8.19/-14.01	-6.63/-9.92	-5.85/-5.63	-6.91/-9.04	-6.63/-5.54	-3.68/-13.55	-17.63/-14.76	-4.12/-3.16	-8.57/-7.28	-6.57/-3.99	-4.51/-4.87	-4.07/-4.72	-7.01/-9.07	-12.2/-11.5	
Θ(45°)	-4.89/-3.3	-4.45/-5.85	-7.86/-11.33	-16.33/-13.48	-11.73/-15.67	-15.59/-17.3	-12.94/-11.88	-9.06/-4.51	-13.05/-8.74	-4.45/-7.29	-7.71/-6.57	-9.63/-16.11	-6.34/-4.68	-10.8/-14.28	-13.87/-18.61	-14.36/-5.67	-5.81/-1.72	-4.29/-7.29	-8.72/-7.69	-4.64/-4.59	-2.84/-4.49	-4.03/-5.51	-5.69/-5.91	-7.62/-7.44
Θ(52.5°)	-4.88/-2.16	-3.35/-5.85	-10.66/-13.36	-19.3/-18.1	-15.99/-18.91	-11.22/-15.3	-18.61/-8.42	-9.71/-5.19	-8.62/-9.13	-9.52/-18.49	-11.18/-17.2	-10.48/-8.2	-15.41/-11.29	-8.34/-11.78	-16.81/-14.22	-2.92/-4.89	-8.59/-7.2	-7.93/-4.67	-5.47/-5.13	-3.98/-4.76	-5.68/-7.09	-6.01/-6.56	-6.78/-8.17	
Θ(60°)	-9.96/-5.82	-8.81/-7.52	-9.44/-11.39	-15.14/-12.12	-11.7/-14.39	-12.84/-12.58	-13.52/-7.22	-14.22/-4.4	-10.61/-10.15	-9.87/-8.71	-6.74/-6.38	-6.71/-6.78	-12.13/-9.18	-8.71/-13.21	-5.08/-9.05	-1.03/-6.76	-5.26/-13	-19.33/-7.38	-7.24/-8.32	-8.14/-11.8	-9.98/-10.61	-6.14/-5.03	-4.27/-6.44	
Θ(67.5°)	-6.31/-5.83	-7.57/-7.2	-6.9/-9.21	-10.29/-5.57	-7.51/-11.59	-17.85/-9.65	-14/-9.2	-11.18/-6.63	-13.48/-9.24	-7/-11.73	-15.89/-19.12	-8.78/-19.05	-9.32/-10.49	-17.78/-15.12	-14.42/-12.93	-16.61/-5.38	-10.02/-12.08	-13.81/-6.12	-7.65/-9.82	-12.86/-16.12	-18.64/-17.45	-14.69/-13.25	-12.44/-8.47	-5.95/-4.78
Θ(75°)	-6.08/-5.71	-7.52/-7.49	-6.52/-8.83	-9.16/-4.66	-5.5/-10.9	-11.84/-5.57	-10.43/-13.26	-9.99/-8.28	-10.43/-9.83	-13.9/-17.29	-12.44/-9.32	-6.88/-7.15	-7.98/-7.67	-15.09/-7.42	-11.93/-10.83	-16.71/-12.13	-16.14/-18.63	-7.21/-6.41	-8.48/-10.7	-11.67/-18.54	-10.32/-12.99	-17.27/-19.06	-19.41/-14.13	-9.34/-5.47
Θ(82.5°)	-5.58/-6.18	-7.25/-9.07	-8.97/-9.28	-9.84/-6.01	-4.45/-9.15	-10.32/-7.09	-8.67/-12.38	-9.35/-6.54	-10.56/-19.02	-15.64/-7.75	-7.68/-6.97	-9.67/-5.3	-12.02/-17.18	-6.58/-15.23	-19.03/-13.19	-6.07/-6.14	-9.54/-10.36	-13.34/-16.59	-6.61/-8.92	-11.71/-17.94	-17.53/-14.96	-12.15/-6.71		
Θ(90°)	-7.28/-7.21	-7.31/-9.4	-9.94/-11.6	-10.84/-10.08	-6.33/-7.53	-10.71/-8.49	-10.09/-11.85	-7.93/-8.05	-13.15/-14.14	-12.82/-6.56	-6.54/-6.25	-7.62/-6.96	-11.33/-10.17	-9.77/-9.21	-9.45/-15.49	-8.21/-8.52	-19.21/-10.83	-6.53/-9.75	-12.78/-11.74	-17.67/-12.71	-6.22/-7.34	-9.35/-19.18	-17.02/-13	-16.34/-6.13
Θ(97.5°)	-8.27/-7.05	-8.15/-11.9	-10.32/-14.36	-11.26/-11.44	-8.53/-9.92	-10.42/-9.49	-10.54/-12.18	-10.42/-9.22	-15.25/-9.7	-14.76/-8.34	-10.96/-9.14	-9.72/-10.57	-8.62/-11.33	-8.72/-10.73	-15.42/-18.42	-9/-11.29	-18.56/-13.02	-10.98/-11.92	-18.04/-15.37	-13.63/-9.73	-6.05/-7.32	-10.55/-17.95	-19.43/-12.99	-15.65/-10.85
Θ(105°)	-9.92/-8.06	-9.3/-14.97	-11.99/-10.66	-12.39/-11.41	-12/-11.47	-8.86/-10.85	-8.75/-15.27	-17.16/-11.72	-14.88/-9.33	-12.05/-11.79	-14.93/-9.61	-14.88/-10.49	-9.21/-12.88	-7.53/-12.15	-14.56/-18.63	-11.39/-14.65	-18.02/-12.09	-12/-17.27	-14.68/-13.9	-15.83/-9.22	-5.01/-6.8	-10.91/-18.7	-18.76/-15.47	-16.33/-14.82
Θ(112.5°)	-9.3/-11.61	-11.39/-15.86	-12.33/-12.15	-18.53/-11.34	-14.52/-14.49	-12.72/-12.75	-11.67/-19.07	-16.78/-11.98	-18.28/-11.49	-11.36/-9.82	-12.53/-10.18	-10.61/-16.49	-13.08/-8.7	-12.48/-12.3	-17.7/-19.27	-13.04/-15.34	-18.9/-8.65	-13.7/-14.96	-17.82/-18.41	-15.94/-6.29	-8.97/-13.84	-10.02/-18.06	-15.44/-13.49	-14.09/-17.37
Θ(120°)	-11.69/-14.34	-13.34/-18.03	-11.82/-11.22	-17.7/-16.47	-14.37/-18.32	-15.08/-17.03	-18.5/-18.7	-18.3/-8.78	-15.03/-14.7	-15.88/-11.13	-10.93/-12.46	-8.46/-18.78	-17.93/-8.1	-14.85/-13.95	-18.57/-18.18	-18.43/-14.57	-16.07/-8.15	-18.95/-16.66	-16.88/-18.68	-12.19/-8.71	-9.91/-15.71	-17.85/-18.39	-11.37/-18.58	-18.12/-10.65
Θ(127.5°)	-14.79/-16.78	-16.88/-18.42	-15.92/-15.67	-14.3/-16.54	-16.61/-19	-17.97/-17.4	-18.03/-18.08	-18.7/-7.53	-14.57/-13.16	-13.3/-12.34	-12.23/-13.67	-14.55/-16.39	-18.64/-10.72	-12.93/-6.37	-18.76/-18.72	-12.88/-11.58	-19.02/-7.67	-18.34/-18.68	-17.81/-19.07	-14.54/-12.15	-11.22/-15.11	-16.69/-15.17	-17.29/-16.16	-18.22/-15.82
Θ(135°)	-18.78/-12.72	-12.35/-17.87	-18.07/-17.91	-13.91/-18.93	-17.09/-19.04	-17.6/-19.45	-18.36/-15.22	-18.9/-15.63	-9.25/-11.1	-13.74/-16.49	-16.45/-11.81	-14.93												



Radiated Composite Gain Data_Radio 3 & Radio 4

Appendix C

Θ(135°)	-9.27/-10.03	-12.9/-13.84	-10.98/-10.23	-16.56/-18.99	-16.58/-18.51	-17.67/-12.03	-16.82/-8.05	-10.25/-14.27	-17.53/-14.72	-15.08/-15.31	-10.71/-9	-18.78/-18.64	-18.12/-17.66	-15.88/-16.41	-18.18/-15.33	-16.89/-15.57	-10.63/-8.08	-8.8/-18.99	-10.06/-10.71	-10.52/-18.74	-19/-13.43	-11.16/-9.21	-14.76/-16.07	-12.06/-9.79
Θ(142.5°)	-12.16/-15.42	-14.48/-12.69	-10.58/-10.65	-12.28/-14.09	-13.98/-15.06	-17.58/-17.04	-14.48/-10.94	-11.53/-15.99	-16.9/-10.87	-15.83/-19.38	-13/-11.76	-16.11/-18.43	-15.97/-19.03	-17.52/-11.49	-11.05/-18.32	-13.92/-12.05	-14.87/-8.28	-11.5/-18.43	-17.53/-17.7	-18.57/-13.99	-18.62/-10.33	-9.24/-11.02	-13.02/-9.11	-10.99/-11.34
Θ(150°)	-12.27/-13.39	-12.99/-13.46	-12.62/-15.02	-10.5/-8.88	-11.39/-12.77	-14.96/-18.15	-13.52/-10.66	-10.84/-14.67	-18.36/-14.11	-10.66/-14.22	-17.62/-17.87	-18.57/-18.48	-18.66/-19.08	-18.98/-19.03	-18.56/-16.24	-14.18/-18.52	-13.99/-11.06	-17.93/-18.97	-11.45/-10.33	-12.74/-12.63	-14.64/-12.95	-17.97/-16.59	-15.62/-13.3	-10.99/-11.41
Θ(157.5°)	-17.66/-16.08	-19.13/-14.67	-13.01/-18.44	-12.58/-11.55	-11.62/-12.39	-16.15/-12.16	-12.43/-14.65	-15.34/-12.76	-13.49/-18.47	-17.34/-15.12	-15.73/-18.26	-17.92/-16.83	-16.45/-19.19	-19.02/-17.9	-16.95/-13.35	-14.68/-15.28	-14.12/-17.25	-18.82/-17.81	-18.74/-18.54	-18.97/-17.64	-18.16/-16.2	-18.82/-18.99	-13/-12.66	-14.35/-16.29
Θ(165°)	-18.8/-19.91	-18.23/-15.7	-15.62/-15.68	-18.56/-18.89	-17.34/-17.89	-18.68/-15.17	-12.28/-12.89	-17.06/-17.74	-19.09/-17.66	-18.24/-18.96	-17.77/-17.95	-19.02/-18.35	-17.47/-19.09	-18.57/-17.63	-17.97/-16.63	-18.45/-19.17	-19.16/-18.93	-17.87/-17.66	-18.43/-15.24	-15.29/-16	-17.73/-18.76	-15.85/-18.2	-17.67/-18.14	-17.67/-18.14
Θ(172.5°)	-19.25/-18.88	-18.91/-18.16	-18.27/-18.58	-18.44/-18.23	-17.92/-18.58	-17.83/-17.5	-18.31/-18.74	-17.06/-17.44	-18.23/-19.11	-18.32/-18.67	-17.31/-19.21	-18.49/-17.98	-17.42/-17.81	-17.91/-18.88	-18.69/-18.34	-18.42/-18.26	-16.58/-17.31	-12.63/-10.98	-11.16/-11.28	-11.99/-13.5	-13.43/-13.81	-14.68/-16.53	-19.15/-18.67	-18.36/-19.37
Θ(180°)	-16.38/-17.44	-17.69/-18.35	-18.33/-18.33	-17.88/-18.4	-18.75/-16.08	-15.31/-15.77	-14.27/-14.72	-14.43/-14.01	-13.07/-14.33	-16.9/-17.93	-19.35/-18.06	-16.31/-14.82	-13.18/-17.91	-18.61/-17.28	-18.76/-17.79	-17.48/-17.37	-18.46/-18.88	-17.88/-18.1	-18.13/-15.58	-13.88/-12.73	-11.84/-12.96	-13.02/-13.03	-13.35/-13.53	-12.44/-13.86
Freq(Hz)	6.995GPol.	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°)	-3.59/-3.22	-2.95/-3.34	-2.07/-2.16	-2.7/-2.67	-2.78/-2.81	-2.98/-3.48	-3.61/-3.74	-3.91/-4.68	-5.31/-5.66	-6.43/-6.6	-6.56/-6.34	-6.35/-6.37	-5.59/-4.12	-3.59/-3.36	-2.77/-2.29	-2.17/-2.07	-1.76/-2.01	-2.52/-2.58	-2.81/-2.62	-2.81/-3.57	-4.04/-4.6	-4.83/-4.74	-4.98/-4.18	-3.95/-3.98
Θ(7.5°)	-5.99/-6.19	-6.09/-5.86	-5.14/-5.09	-4.55/-4.32	-4.42/-4.18	-3.95/-4.21	-4.27/-4.41	-4.57/-5.13	-5.48/-5.59	-5.81/-6.03	-5.84/-6.04	-5.44/-4.89	-4.1/-3.37	-3.3/-3.17	-3.02/-3.45	-4.04/-4.7	-4.93/-5.4	-5.48/-5.07	-4.75/-4.34	-4.85/-5.92	-7.84/-11.57	-16.89/-18.82	-13.68/-10.01	-8.19/-6.78
Θ(15°)	-5.51/-6.24	-1.78/-8.61	-8.95/-8.78	-8.57/-7.48	-6.52/-7.46	-7.97/-8.75	-9.81/-10.7	-10.4/-9.55	-7.73/-6.23	-5.61/-5.72	-5.27/-5.53	-4.84/-4.81	-1.94/-1.12	-1.71/-3.15	-5.02/-6.79	-8.10/-25	-9.93/-10.85	-10.36/-9.72	-9.82/-8.95	-7.33/-7.47	-8.69/-13.53	-14.89/-9.59	-6.31/-6.4	-6.12/-5.48
Θ(22.5°)	-5.32/-5.7	-7.98/-8.59	-8.87/-9.26	-10.47/-7.35	-4.79/-4.73	-4.06/-4.58	-7.74/-13.09	-14.82/-14.6	-10.24/-6.48	-4.73/-5.26	-8.8/-9.95	-10.79/-12.35	-10.53/-6.92	-6.76/-15.81	-14.92/-13.01	-17.53/-11.77	-12.3/-11.14	-8.25/-7.93	-9.07/-6.49	-3.42/-3.3	-5.22/-7.22	-6.03/-7.86	-10.74/-12.31	-8.22/-6.27
Θ(30°)	-6.45/-6.88	-9.09/-11.35	-13.35/-8.09	-5.02/-5.79	-6.87/-9	-5.94/-2.37	-4.36/-8.63	-6.38/-9.14	-11.74/-11.27	-10.67/-9.57	-5.42/-3.18	-2.62/-4.7	-7.35/-8.33	-9.06/-14.45	-14.41/-12.35	-15.23/-9.14	-9.4/-7.4	-3.56/-3.47	-2.82/-3.58	-3.49/-2.11	-3.11/-3.32	-2.41/-3.72	-6.54/-10.07	-9.23/-5.73
Θ(37.5°)	-5.69/-3.68	-5.26/-16.94	-17.15/-18.88	-11.01/-13.61	-9.63/-6.51	-9.8/-6.17	-6.45/-4.5	-5.75/-12.31	-8.3/-7.11	-12.29/-12.77	-14.54/-17.59	-15.42/-10.97	-10.54/-11.04	-12.22/-15.45	-18.51/-15	-7.4/-5.35	-4.44/-7.43	-4.44/-4.11	-4.6/-4.6	-6.95/-4.22	-6.07/-4.98	-5.91/-7.2	-5.8/-10.76	-15.83/-11.15
Θ(45°)	-11.93/-9.3	-6.92/-10.77	-18.24/-15.37	-7.92/-10.31	-17.74/-15.21	-11.78/-9.83	-12.44/-7.43	-12.52/-11.35	-11.38/-9.4	-11.35/-7.22	-11.29/-6.92	-4.74/-5.41	-10.98/-11.33	-6.76/-9.98	-15.2/-10.33	-13.65/-14.74	-8.37/-2.95	-5.7/-6.2	-9.91/-8.62	-10.2/-5.44	-6.06/-6.43	-10.89/-7.19	-6.03/-9.21	-15.18/-16.34
Θ(52.5°)	-4.81/-5.11	-8/-10.69	-15.99/-12.61	-9.95/-17.7	-17.61/-13.2	-14.3/-11.65	-13.35/-19.01	-17.61/-13.2	-14.3/-11.65	-13.35/-19.01	-17.61/-13.2	-14.3/-11.65	-13.35/-19.01	-17.61/-13.2	-14.3/-11.65	-13.35/-19.01	-17.61/-13.2	-14.3/-11.65	-13.35/-19.01	-17.61/-13.2	-14.3/-11.65	-13.35/-19.01	-17.61/-13.2	-14.3/-11.65
Θ(60°)	-7.67/-4.37	-8.61/-8.45	-10.11/-12.3	-14.89/-12.97	-10.64/-12.38	-9.39/-16.36	-13.4/-18.77	-6.37/-15.23	-9.54/-6.69	-18.36/-12	-12.15/-9.3	-12.25/-11.21	-9.84/-10.33	-7.22/-4.79	-13.32/-19.53	-4.81/-12.43	-7.96/-18.3	-9.46/-4.75	-8.35/-8.26	-10.53/-7.48	-12.96/-10.23	-7.99/-9.1	-15.31/-12.51	
Θ(67.5°)	-7.36/-6.43	-7.09/-7.08	-8.08/-12.22	-9.24/-8.16	-7.39/-17.1	-12.81/-14.24	-9.88/-7.49	-17.9/-17.31	-16.56/-17.71	-3.98/-5.56	-11.74/-18.91	-10.41/-9.66	-15.13/-9.14	-5.22/-8.93	-13.26/-5.37	-13.75/-17.24	-7.21/-18.2	-15.26/-7.22	-6.5/-6.08	-12.94/-15.4	-18.99/-18.07	-18.82/-9.52	-7.49/-6.28	-9.68/-10.02
Θ(75°)	-7.67/-8.67	-8.64/-7.47	-7.9/-17	-7.43/-7.87	-10.62/-14.5	-17.54/-17.42	-11.71/-13.97	-9.53/-18.99	-9.71/-14.97	-17.94/-15.7	-7.06/-8.55	-10.18/-12.48	-11.59/-5.82	-10.64/-10.3	-11.03/-15.86	-14.11/-19.38	-9.12/-8.4	-6.65/-10.82	-16.71/-17.74	-17.98/-12.99	-16.78/-18.61	-9.71/-8.52	-9.89/-8.08	
Θ(82.5°)	-8.7/-6.26	-10.73/-8.34	-7.05/-7.61	-8.54/-9	-11.77/-12.76	-15.75/-14.51	-9.08/-12.28	-9.68/-11.99	-18.62/-18.15	-10.47/-10.67	-10.9/-17.73	-14.66/-2.26	-14.17/-14.33	-9.86/-3.69	-6.81/-19.55	-10.37/-15.36	-14.48/-13.86	-9.56/-3.69	-11.92/-18.85	-13.74/-5.95	-12.98/-9.25	-16.78/-16.65	-13.18/-11.75	-11.12/-9.12
Θ(90°)	-9.15/-6.72	-11.84/-8.25	-7.27/-8.82	-10.32/-9.36	-9.59/-13.59	-12.56/-18.5	-14.31/-18.65	-6.62/-11.72	-17.5/-19.13	-15.24/-10.62	-5.71/-17.88	-18.4/-3.37	-9.06/-11.79	-7.23/-5.2	-10.75/-10.7	-16.02/-16.06	-11.56/-8.78	-3.32/-7.6	-18.03/-14.26	-9/-5.37	-9.15/-6.47	-10.66/-18.71	-16.48/-12.07	-13.13/-9.48
Θ(97.5°)	-8.81/-9.24	-14.51/-8.96	-7.58/-9.87	-13.37/-11	-8.1/-14.56	-9.13/-18.17	-17.59/-17.61	-8.3/-13.08	-17.94/-18	-15.85/-9.74	-7.27/-15.27	-16.73/-5.66	-11.61/-8.25	-7.96/-5.5	-12.97/-14.93	-12.96/-17.38	-14/-8.5	-5.28/-16.27	-12.58/-10.74	-8.17/-7.06	-7.56/-5.98	-11/-16.33	-16.23/-10.01	-12.77/-11.75
Θ(105°)	-10.3/-10.84	-14.65/-12.92	-8.27/-12.47	-14.78/-11.72	-11.77/-11.67	-9.74/-16.9	-18.82/-18.03	-11.7/-10.82	-18.38/-18.86	-18.31/-11.67	-9.76/-17.22	-17.27/-7.5	-14.78/-14.36	-6.62/-7.32	-15.42/-18.83	-18.17/-18.34	-18.59/-8.35	-6.43/-16.26	-11.11/-9.37	-9.92/-7.31	-6.66/-5.49	-13.4/-13.33	-12.89/-10.58	-15.5/-12.32
Θ(112.5°)	-12.23/-12.3	-13.92/-18.91	-10.25/-14.73	-18.36/-14.33	-11.97/-12.17	-8.44/-15.83	-14.99/-19.09	-13.84/-13.8	-15.96/-18	-18.59/-5.88	-13.49/-14.95	-13.47/-8.41	-10.95/-18.23	-7.93/-13.55	-18.12/-12.51	-18.69/-18.04	-16.87/-8.58	-11.64/-18.48	-8.07/-9.94	-9.28/-6.93	-8.6/-8.23	-14.45/-18.57	-16.1/-14.22	-17.88/-14.55
Θ(120°)	-12.6/-13.41	-19.49/-19.08	-11.89/-14.15	-17.38/-15.62	-17.21/-16.44	-9.62/-15.52	-12.63/-17.89	-18.05/-14.34	-18.15/-11.64	-18.81/-10.67	-12.23/-77	-8.87/-12.79	-9.97/-10.5	-12.94/-12.91	-16.88/-16.77	-15.93/-18.93	-17.26/-9.51	-16.39/-15.87	-11.48/-16.28	-13.19/-12.21	-10.75/-16.25	-19.32/-18.31	-19.23/-12.85	-14.1/-14.57
Θ(127.5°)	-17.61/-16.17	-18.4/-18.6	-15.24/-16.8	-17.35/-14.82	-18.25/-17.33	-16.6/-18.4	-15.01/-18.41	-18.76/-14.28	-18.64/-11.06	-17.37/-16.86	-14/-18.47	-10.87/-16.58	-13.24/-11.11	-16.52/-12.81	-12.83/-11.47	-13.34/-12.37	-15.24/-9.97	-17.53/-18.69	-17.44/-19.16	-17.02/-17.27	-19.06/-12.33	-18.83/-13.7	-12.87/-11.9	-12.89/-16.11
Θ(135°)	-15.19/-16.62	-16.88/-19.04	-18.02/-16.32	-17.11/-17.88	-17.9/-18.86	-18.26/-17.94	-18.84/-18.63	-13.57/-17.6	-18.47/-9.5	-18.92/-18.47	-18.68/-17.71	-12.05/-17.08	-15.12/-15.1	-16.22/-13.53	-16.86/-18.85	-16.88/-18.79	-17.94/-12.5	-17.96/-15.13	-19.1/-13.78	-19.07/-19.19	-18.26/-19.19	-16.46/-11.69	-17.95/-18.33	-17.37/-19.15
Θ(142.5°)	-18.07/-15.08	-18.79/-18.5	-18.83/-17.56	-19.15/-17.6	-18.52/-16.64	-17.83/-19.19	-18.32/-18.19	-17.02/-18.77	-18.25/-15.36	-17.67/-14.16	-18.57/-18.97	-18.75/-15.5	-15.11/-18.69	-18.17/-14.19	-11.28/-13.92	-10.77/-11.8	-14.1/-14.53	-16.28/-9	-10.97/-12.15	-18.63/-19.37	-13.12/-11.28	-17.13/-8.91	-9.8/-17.39	-16.05/-15.99
Θ(150°)	-12.68/-11	-19.21/-16.96	-19.06/-17.84	-18.36/-18.96	-18.07/-17.68	-16.33/-17.82	-15.03/-13.01	-18/-12.1	-13.11/-17.77	-17.05/-17.49	-17.13/-13.93	-17.18/-14.25	-11.73/-18.54	-13.51/-15.78	-13.43/-14.9	-19/-16.77	-18.15/-15.08	-16.71/-11.87	-15.45/-12.91	-14.56/-18.91	-14.73/-17.84	-13.97/-15.8	-13.62/-19.27	-18.24/-18.83
Θ(157.5°)	-18.27/-18.8	-17.09/-17.68	-18.09/-13.22	-11.87/-15.31	-18.16/-15.25	-14.91/-17.77	-12.37/-10.78	-16.21/-13.74	-11.4/-13.37	-17.63/-17.3	-18.06/-14.2	-18.43/-15.57	-17.9/-18.74	-18.12/-17.66	-17.34/-18.19	-17.88/-17.88	-14.18/-18.8	-10.75/-8.11	-17.98/-12.12	-9.18/-12.2	-14.66/-14.12	-11.21/-12.3	-13.86/-13.05	-13.78/-17.81
Θ(165°)	-14.19/-13.28	-11.53/-13.57	-18.09/-18.52	-12.15/-9.9	-10.98/-18.19	-19.37/-17.64	-15.6/-17.2	-18.39/-17.32	-18.65/-12.46	-10.76/-13.88	-18.53/-15.17	-14.34/-13.33	-12.19/-15.19	-16.88/-16.92	-18.82/-18.52	-18.32/-17.77	-18.35/-19.31	-18.52/-16.38	-13.11/-10.24	-9.75/-10.66	-13.63/-14.7	-17.98/-17.85	-13.89/-16.96	-19.48/-15.38
Θ(172.5°)	-14.16/-13.91	-14.68/-19.36	-17.56/-17.93	-18.73/-18.14	-19.31/-15.47	-13.31/-14.02	-15.26/-17.78	-18.91/-14.78	-18.68/-19.29	-18.78/-16.25	-14.39/-12.12	-14.08/-15.78	-16.57/-16.95	-16.12/-17.93	-17.08/-17.98	-17.97/-16.35	-14.78/-12.8	-13.55/-14						

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Total Gain Data

Freq(Hz)	2.45G/Pol	TotalAnt.	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	
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°)	-0.26/-0.67	-0.97/-1.00	-0.87/-0.73	-0.68/-0.71	-0.82/-0.88	-0.86/-0.82	-0.83/-0.94	-1.05/-1.00	-0.81/-0.64	-0.46/-0.35	-0.28/-0.22	-0.14/-0.04	0.040/-0.07	-0.03/-0.18	-0.29/-0.38	-0.45/-0.55	-0.68/-0.75	-0.67/-0.50	-0.52/-0.74	-1.02/-1.14	-1.19/-1.20	-1.06/-0.63	-0.10/-0.21	0.27/-0.10	
Θ(7.5°)	-0.22/-0.55	-0.90/-1.04	-0.98/-0.93	-0.92/-0.97	-0.99/-0.90	-0.79/-0.74	-0.76/-0.89	-0.91/-0.87	-0.78/-0.67	-0.55/-0.49	-0.49/-0.51	-0.51/-0.46	-0.40/-0.34	-0.43/-0.61	-0.76/-0.91	-0.96/-1.02	-1.10/-1.21	-1.18/-1.00	-0.94/-1.10	-1.38/-1.55	-1.59/-1.55	-1.45/-1.15	-0.66/-0.31	-0.15/-0.12	
Θ(15°)	-0.48/-0.83	-1.40/-1.94	-2.31/-2.50	-2.63/-2.71	-2.69/-2.46	-2.27/-2.21	-2.18/-2.07	-1.81/-1.68	-1.71/-1.79	-1.98/-2.10	-2.13/-2.14	-2.15/-2.09	-2.03/-1.88	-1.84/-1.99	-2.18/-2.23	-2.12/-1.89	-1.66/-1.50	-1.28/-1.01	-0.91/-1.03	-1.39/-1.79	-1.99/-1.97	-1.74/-1.42	-1.06/-0.77	-0.58/-0.29	
Θ(22.5°)	0.70/-0.40	-0.30/-1.45	-2.43/-2.86	-3.15/-3.30	-3.44/-3.41	-3.39/-3.60	-3.94/-3.94	-3.72/-3.72	-4.10/-3.83	-3.93/-4.22	-3.67/-2.56	-1.61/-1.43	-1.38/-1.57	-1.87/-2.34	-2.61/-2.81	-2.46/-1.91	-1.35/-0.76	-0.16/-0.28	0.37/-0.18	-0.24/-0.78	-1.16/-1.32	-1.13/-0.71	-0.28/-0.16	0.58/-0.91	
Θ(30°)	2.40/-1.63	0.46/-0.85	-2.07/-2.71	-2.97/-3.31	-3.55/-3.91	-4.38/-0.58	-6.07/-6.36	-6.85/-6.67	-6.78/-6.83	-6.39/-4.97	-3.19/-1.51	-0.28/-0.44	0.54/-0.09	-0.66/-1.39	-1.88/-1.98	-1.53/-0.95	-0.40/-0.22	0.92/-1.41	1.59/-1.52	1.19/-0.70	0.17/-0.23	-0.36/-0.10	0.53/-1.29	2.00/-2.50	
Θ(37.5°)	2.97/-2.38	1.35/-0.15	-1.12/-2.17	-2.87/-3.23	-3.24/-3.53	-4.46/-6.18	-8.40/-9.92	-10.20/-9.79	-9.15/-8.40	-7.12/-5.34	-5.42/-1.60	-0.05/-1.13	1.57/-1.26	0.39/-0.60	-1.26/-1.56	-1.18/-0.49	0.14/-0.70	3.31/-1.80	2.04/-2.05	1.82/-2.44	0.97/-0.50	0.20/-0.28	0.89/-1.79	2.62/-3.08	
Θ(45°)	3.28/-2.55	1.91/-0.96	-0.38/-2.00	-3.33/-3.23	-2.18/-1.74	-2.51/-4.33	-6.18/-6.71	-6.96/-7.63	-7.17/-6.30	-6.03/-6.05	-5.00/-3.22	-1.33/-0.24	1.21/-2.53	1.13/-3.01	-0.34/-0.69	-0.69/-0.47	-0.25/-0.03	0.52/-1.29	1.84/-1.95	1.72/-1.42	1.16/-0.56	0.60/-0.54	0.92/-1.65	2.40/-2.86	
Θ(52.5°)	2.48/-2.39	2.16/-1.54	0.22/-1.91	-3.87/-2.99	-1.09/-0.35	-0.94/-2.18	-2.76/-2.66	-2.87/-3.65	-3.47/-2.86	-3.34/-4.61	-4.65/-2.67	-0.59/-0.61	1.17/-1.60	1.65/-1.16	0.55/-1.08	-0.09/-0.32	-0.59/-0.83	-0.41/-0.65	1.49/-1.66	1.40/-1.15	1.07/-0.20	0.86/-0.69	0.84/-1.39	2.01/-2.37	
Θ(60°)	1.76/-1.60	1.61/-1.41	0.47/-1.47	-3.52/-2.71	-0.68/-0.21	0.06/-0.53	-0.93/-0.86	-1.09/-1.10	-1.73/-1.10	-1.71/-3.42	-3.95/-1.48	0.95/-0.04	2.13/-2.25	2.40/-2.07	1.35/-0.73	0.36/-0.15	-0.24/-0.78	-0.82/-0.14	1.13/-1.33	0.90/-0.66	0.72/-0.87	0.82/-0.44	0.24/-0.71	1.38/-1.79	
Θ(67.5°)	0.80/-0.28	0.58/-0.02	0.61/-0.98	-3.00/-2.62	-0.84/-0.04	0.21/-0.06	-0.75/-0.98	-1.03/-1.77	-1.38/-0.72	-1.61/-3.81	-4.61/-1.44	1.32/-2.40	2.42/-2.47	2.56/-2.36	1.92/-1.26	-0.48/-0.08	-0.44/-0.63	-0.62/-0.22	1.06/-0.90	0.07/-0.28	-0.16/-0.00	-0.07/-0.54	-0.78/-0.15	0.76/-1.18	
Θ(75°)	-0.13/-0.71	-0.05/-0.70	0.41/-1.26	-3.56/-3.39	-1.53/-0.81	-0.46/-0.39	-1.27/-1.60	-1.50/-2.41	-1.87/-0.84	-1.66/-4.10	-6.42/-0.35	0.01/-7.71	1.67/-1.52	1.56/-1.53	1.50/-1.39	0.78/-0.31	-1.33/-1.70	-1.27/-0.01	1.01/-0.70	-0.42/-0.94	-0.88/-0.98	-1.24/-1.71	-1.99/-1.33	-0.21/-0.37	
Θ(82.5°)	-0.61/-1.32	-0.79/-0.04	-0.18/-1.80	-3.94/-3.69	-2.20/-1.89	-1.36/-1.11	-2.33/-2.63	-2.59/-4.66	-4.41/-2.68	-3.09/-4.84	-7.12/-3.64	0.01/-9.91	0.41/-0.00	-0.50/-0.07	0.49/-0.98	0.81/-0.11	-1.30/-1.92	-1.59/-0.43	0.35/-0.20	-1.26/-1.30	-1.16/-1.55	-2.06/-2.78	-2.38/-2.71	-1.18/-0.27	
Θ(90°)	-1.55/-2.88	-2.51/-1.14	-0.82/-2.03	-4.14/-4.47	-3.43/-3.59	-2.85/-2.46	-4.42/-4.88	-4.05/-7.12	-7.89/-5.20	-5.06/-5.65	-8.17/-5.62	-1.72/-0.80	-1.19/-1.57	-1.50/-1.31	-0.80/-0.13	-0.43/-0.28	-1.56/-2.30	-2.01/-1.06	-0.36/-1.16	-2.89/-3.13	-2.90/-3.50	-3.98/-4.41	-4.56/-3.79	-2.09/-0.92	
Θ(97.5°)	-4.14/-5.53	-3.55/-1.62	-1.33/-2.76	-5.25/-5.66	-4.47/-4.55	-3.25/-3.05	-5.56/-7.62	-5.96/-8.72	-7.17/-5.37	-5.80/-6.29	-8.27/-5.43	-2.56/-2.88	-3.67/-4.38	-3.13/-2.98	-2.24/-0.82	-0.41/-1.27	-2.51/-3.19	-2.62/-1.26	-0.41/-1.35	-3.45/-4.10	-4.46/-5.64	-5.61/-5.33	-5.31/-4.70	-3.58/-2.97	
Θ(105°)	-5.59/-5.30	-3.12/-1.71	-1.86/-3.57	-6.08/-6.49	-4.56/-4.54	-3.82/-3.97	-6.47/-6.56	-5.69/-7.56	-6.48/-5.09	-5.84/-6.79	-9.43/-6.83	-3.08/-3.55	-5.04/-5.28	-4.77/-4.61	-4.42/-3.07	-2.00/-2.29	-3.13/-3.39	-2.93/-1.50	-0.55/-1.36	-3.51/-4.07	-4.36/-5.62	-5.95/-6.11	-6.75/-6.69	-5.97/-5.29	
Θ(112.5°)	-5.46/-4.78	-3.43/-2.43	-2.81/-6.5	-7.92/-9.27	-6.36/-5.26	-4.36/-4.60	-6.49/-5.98	-5.69/-6.94	-5.78/-5.65	-7.25/-7.51	-10.70/-7.43	-4.59/-6.86	-8.84/-6.74	-4.59/-6.54	-3.58/-4.39	-3.47/-4.78	-5.95/-5.58	-3.97/-2.04	-1.13/-2.16	-3.50/-4.90	-5.06/-6.62	-6.96/-6.98	-7.82/-8.94	-5.88/-6.75	
Θ(120°)	-5.73/-5.60	-4.69/-3.87	-3.61/-0.49	-5.72/-7.38	-6.33/-5.30	-4.71/-4.92	-6.35/-6.88	-7.10/-7.27	-6.04/-6.79	-9.85/-10.57	-13.62/-6.94	-4.14/-7.11	-13.64/-9.41	-4.95/-3.31	-3.47/-3.77	-4.24/-5.83	-6.78/-6.97	-6.44/-3.78	-2.22/-2.91	-5.74/-6.94	-6.83/-6.88	-10.80/-10.76	-10.79/-10.66	-8.38/-6.23	
Θ(127.5°)	-6.72/-7.11	-6.82/-5.90	-4.95/-4.58	-5.45/-7.46	-8.23/-0.81	-7.50/-6.80	-6.22/-7.08	-8.91/-10.18	-14.78/-12.70	-12.24/-11.04	-14.61/-10.79	-6.88/-8.12	-9.84/-7.38	-4.49/-3.86	-5.22/-6.41	-7.13/-7.54	-6.87/-6.80	-6.89/-5.48	-3.08/-3.85	-7.09/-9.23	-9.96/-12.24	-11.70/-10.85	-8.99/-7.18	-9.99/-7.18	
Θ(135°)	-7.62/-7.55	-7.77/-6.59	-4.69/-3.76	-4.29/-6.58	-10.23/-14.27	-15.67/-14.93	-12.72/-12.98	-16.83/-14.50	-14.78/-16.00	-12.49/-9.36	-11.48/-13.96	-12.98/-12.24	-11.18/-7.51	-5.06/-4.99	-6.83/-8.12	-9.70/-8.50	-7.81/-8.59	-8.89/-5.42	-3.09/-2.87	-0.53/-0.87	-10.07/-10.39	-11.54/-15.58	-15.12/-15.82	-12.93/-9.75	
Θ(142.5°)	-6.43/-6.35	-6.49/-5.39	-3.69/-2.88	-3.25/-4.78	-7.31/-10.41	-13.40/-15.53	-14.66/-10.37	-11.51/-9.79	-11.29/-12.29	-12.55/-12.32	-13.62/-14.94	-15.20/-15.66	-11.56/-8.07	-6.63/-7.21	-9.21/-9.64	-8.52/-7.27	-7.30/-9.38	-11.09/-7.61	-4.48/-3.51	-4.38/-6.69	-9.03/-8.90	-10.02/-10.68	-10.58/-9.70	-8.39/-7.24	
Θ(150°)	-8.52/-8.22	-7.73/-6.67	-5.42/-8.1	-5.04/-5.90	-7.04/-7.96	-8.45/-8.63	-8.54/-8.11	-7.83/-7.90	-8.63/-4.07	-13.12/-12.64	-12.00/-11.25	-11.12/-18.5	-12.49/-12.14	-15.95/-12.55	-9.60/-8.31	-7.84/-8.39	-8.40/-7.54	-6.06/-5.37	-6.03/-6.25	-11.95/-14.17	-14.09/-12.88	-11.15/-9.96	-8.02/-8.82	-9.02/-8.24	
Θ(157.5°)	-5.91/-5.51	-5.64/-6.03	-6.41/-6.60	-6.86/-7.15	-7.43/-7.50	-7.36/-7.01	-6.69/-6.56	-6.96/-7.97	-9.73/-11.54	-11.78/-8.95	-6.83/-6.67	-5.44/-6.10	-7.72/-10.02	-12.69/-15.05	-12.89/-12.71	-9.62/-11.45	-9.65/-8.71	-7.57/-6.64	-5.90/-5.74	-6.30/-7.53	-8.78/-9.59	-9.83/-9.63	-9.04/-8.27	-7.40/-6.54	
Θ(165°)	-5.17/-5.31	-6.03/-7.04	-8.08/-8.96	-9.92/-10.86	-11.38/-11.14	-10.46/-9.71	-9.15/-8.99	-9.71/-11.53	-14.45/-14.89	-13.49/-10.23	-8.22/-7.00	-6.43/-6.55	-7.49/-9.27	-11.00/-11.88	-12.36/-12.99	-13.60/-15.45	-13.18/-12.32	-11.52/-9.52	-8.22/-7.61	-7.52/-7.57	-7.44/-7.08	-6.92/-6.85	-6.67/-6.39	-5.96/-5.34	
Θ(172.5°)	-7.46/-7.51	-9.37/-8.32	-8.67/-9.00	-9.44/-10.24	-11.33/-11.61	-11.67/-11.53	-11.10/-10.88	-10.99/-11.76	-13.24/-14.65	-15.09/-15.09	-14.49/-14.74	-14.61/-15.31	-14.73/-15.64	-15.25/-14.79	-15.73/-14.61	-15.07/-14.31	-13.94/-13.18	-11.59/-10.16	-9.51/-8.95	-8.26/-8.19	-7.81/-7.36	-7.06/-7.03	-7.05/-7.26	-7.56/-7.51	
Θ(180°)	-9.87/-9.41	-9.37/-9.57	-9.83/-10.01	-10.32/-10.91	-11.66/-12.23	-12.70/-12.92	-13.09/-12.80	-12.66/-13.09	-13.30/-13.51	-13.19/-12.86	-12.75/-12.83	-14.56/-13.27	-12.52/-11.33	-10.40/-9.58	-10.27/-9.47	-9.74/-9.76	-9.03/-8.41	-8.59/-8.82	-8.26/-8.26	-8.27/-8.50	-9.00/-9.51	-8.99/-10.26	-10.51/-10.39		
Freq(Hz)	5.2G/Pol	TotalAnt.	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	
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°)	-5.51/-5.48	-5.30/-5.61	-6.24/-6.63	-6.92/-7.16	-7.59/-7.95	-8.13/-8.58	-8.83/-8.50	-8.28/-8.06	-8.01/-9.01	-9.24/-8.29	-8.09/-8.31	-8.52/-8.45	-7.62/-6.64	-6.59/-6.59	-6.49/-6.63	-6.80/-7.39	-7.62/-7.45	-6.28/-6.50	-6.71/-6.85	-5.86/-5.83	-6.21/-6.14	-6.27/-6.61	-6.21/-6.11	-6.21/-6.27	
Θ(7.5°)	-5.70/-5.36	-5.69/-6.03	-6.32/-6.17	-6.03/-5.95	-6.18/-6.62	-6.58/-6.67	-6.75/-6.96	-6.79/-6.35	-6.22/-6.38	-6.70/-6.46	-6.31/-6.71	-6.52/-6.16	-5.99/-5.88	-6.18/-6.53	-6.99/-7.28	-8.28/-9.46	-10.88/-12.00	-12.45/-13.27	-14.86/-14.80	-13.82/-12.74	-11.67/-11.48	-10.85/-9.25	-7.99/-8.99	-7.81/-7.59	
Θ(15°)	-6.86/-5.96	-5.49/-4.63	-3.89/-3.09	-2.64/-2.51	-2.54/-2.85	-3.06/-3.24	-3.62/-3.53	-3.42/-3.48	-3.64/-4.07	-4.73/-5.90	-6.82/-6.97	-7.21/-7.24	-7.37/-7.81	-9.47/-11.14	-13.10/-12.17	-11.81/-10.17	-9.64/-9.13	-8.34/-8.21	-9.03/-11.04	-10.58/-10.03	-10.17/-10.42	-12.22/-12.32	-11.60/-11.15	-10.35/-9.45	-8.38/-7.72
Θ(22.5°)	-4.00/-4.01	-4.06/-3.81	-2.52/-1.94	-1.74/-2.52	-3.32/-3.48	-3.30/-4.19	-5.26/-5.20	-4.40/-3.88	-3.89/-4.18	-4.14/-5.62	-6.28/-6.24	-6.14/-6.73	-6.77/-7.91	-9.69/-10.84	-10.46/-9.26	-8.10/-7.56	-8.01/-8.61	-9.99/-13.33	-10.57/-13.40	-10.58/-8.03	-7.15/-7.39	-7.91/-8.46	-4.85/-7.69	-5.98/-4.91	
Θ(30°)	-4.49/-3.85	-2.31/-1.73	-2.32/-2.45	-1.41/-1.98	-3.24/-2.72	-2.49/-2.18	-2.86/-2.87	-2.42/-3.04	-3.76/-3.61	-3.00/-3.47	-4.83/-5.92	-6.96/-7.38	-7.66/-8.71	-9.86/-10.11	-9.51/-8.62	-9.62/-10.90	-8.84/-7.46	-7.62/-6.59	-5.41/-5.85	-6.31/-7.58	-10.06/-11.78	-8.96/-6.98	-6.89/-6.43	-5.37/-4.49	
Θ(37.5°)	-2.29/-3.29	-1.240/-55	0.43/-2.72	-0.61/-1.15	-1.25/-1.92	-3.14/-2.31	-4.10/-3.71	-3.76/-4.12	-3.71/-4.10	-4.31/-4.40	-4.96/-6.09	-5.36/-4.57	-6.48/-7.17	-9.43/-9.64	-9.80/-8.59	-8.85/-8.05	-9.01/-6.00	-6.19/-5.45	-6.41/-6.79	-4.76/-4.76	-6.16/-6.14	-5.82/-5.88	-6.89/-5.40	-2.98/-1.59	
Θ(45°)	-2.50/-2.80	-3.00/-0.88	1.32/-1.31	-3.51/-0.47	-																				



Antenna Pattern Radio 1

Appendix D

Θ (22.5°)	-3.92/-2.64	-2.59/-2.74	-2.65/-1.97	-2.25/-2.13	-1.67/-1.95	-3.26/-3.69	-2.61/-2.02	-2.08/-1.69	-1.07/-1.72	-2.91/-4.82	-4.99/-5.19	-7.06/-9.97	-14.76/-15.39	-12.74/-11.73	-10.95/-10.42	-10.14/-11.91	-14.54/-12.17	-9.08/-7.81	-8.18/-9.38	-9.48/-11.03	-13.54/-15.93	-14.83/-17.36	-13.80/-9.06	-5.79/-4.48
Θ (30°)	-2.52/-1.82	-1.23/-1.23	-0.60/-0.35	-0.78/-2.26	-0.46/-1.01	-3.76/-2.89	-1.17/-1.49	-2.89/-1.64	-0.60/-1.67	-3.07/-5.61	-6.46/-4.81	-5.22/-9.18	-14.03/-13.74	-11.60/-11.72	-13.89/-15.52	-16.20/-11.52	-11.91/-13.17	-7.59/-6.19	-6.54/-6.31	-4.19/-2.77	-2.66/-3.61	-6.28/-7.78	-5.37/-2.85	-1.92/-2.25
Θ (37.5°)	-0.54/-0.55	-0.92/-1.14	-0.04/-0.69	-0.16/-0.54	-1.71/-1.14	-1.01/-2.72	-0.62/-0.53	-0.86/-0.40	-0.13/-0.20	-0.76/-11.34	-1.06/-4.44	-5.16/-6.22	-5.81/-7.93	-4.37/-10.58	-7.40/-9.46	-7.56/-7.81	-5.22/-2.77	-4.33/-2.15	-0.05/-0.64	-1.08/-2.61	-1.82/-2.48	-1.82/-1.92	-3.79/-2.40	-0.44/-0.67
Θ (45°)	0.85/0.67	-1.21/1.34	2.30/0.76	1.21/-1.27	0.51/-0.94	-1.40/-3.58	-4.56/-2.35	-0.66/0.18	-0.95/-0.89	-0.25/-1.47	-3.50/-3.85	-2.61/-3.51	-8.65/-6.28	-6.29/-4.84	-5.25/-5.14	-3.93/-5.60	-5.64/-2.68	-5.66/-2.56	-1.26/-1.39	1.56/2.77	1.10/-1.57	2.22/-1.71	0.05/-0.10	0.89/0.55
Θ (52.5°)	0.89/0.42	-1.22/0.34	3.24/0.85	2.06/1.50	2.52/-1.65	-1.48/0.50	-2.94/-1.81	-3.75/-0.28	1.42/-1.89	0.64/-1.54	0.61/-1.86	-1.72/-0.86	-4.82/-5.25	-2.86/-1.32	-2.09/-4.29	-4.24/-2.19	-3.10/-2.52	-0.63/-1.16	2.18/-1.18	0.39/-1.33	3.20/-2.52	0.54/-0.12	1.66/-0.22	
Θ (60°)	2.42/1.31	0.51/0.54	1.97/-1.45	3.64/-4.40	0.24/0.30	-5.83/-2.05	-6.65/-4.05	-3.33/-0.49	-0.44/0.29	-0.30/-2.22	0.11/-3.85	-0.71/-1.18	-1.02/-0.91	0.14/-1.51	-3.90/-2.66	-3.69/-3.61	-2.03/-2.78	1.07/-1.89	1.68/-1.06	0.60/-0.09	3.03/-0.84	1.63/-1.60	0.05/-0.35	
Θ (67.5°)	2.43/0.96	0.03/0.55	-0.22/-3.22	3.622/-6.3	-4.42/-1.45	-5.44/-8.65	-12.06/-10.55	-4.32/-3.69	-1.56/-1.58	-1.20/0.00	-0.21/-0.64	0.77/-0.87	-3.96/-1.14	-0.85/-1.49	-4.12/-1.59	-3.04/-3.24	-3.28/-5.34	-2.28/-4.50	1.41/0.40	1.92/-1.51	1.25/-1.59	1.33/-2.16	1.49/-2.48	-1.472/-2.50
Θ (75°)	0.88/0.54	-1.06/0.16	-1.61/-3.63	2.58/1.56	-5.24/-1.38	-3.14/-5.69	-8.50/-12.28	-8.49/-5.66	-1.22/-2.68	-1.02/-0.26	2.04/0.97	-0.45/-1.84	-5.01/-3.44	0.13/-1.11	-3.53/-2.29	-1.55/-3.61	-3.80/-4.99	-3.70/-4.98	0.87/0.15	1.98/-1.05	0.36/-0.43	-1.12/0.24	0.05/-2.31	-1.48/1.96
Θ (82.5°)	-1.10/-1.73	-3.02/-0.98	-2.73/-3.18	1.56/0.27	-4.69/-1.83	-3.14/-3.50	-8.84/-8.20	-14.44/-7.59	-2.06/-4.45	-0.57/-1.31	2.64/-0.29	-3.18/-1.65	-1.48/-1.31	1.47/-0.62	-1.87/-1.00	-1.67/-1.49	-4.67/-5.63	-4.03/-3.93	0.73/-0.40	1.93/-0.36	-1.05/-3.29	-3.50/-1.34	-1.48/-3.90	-1.66/-1.15
Θ (90°)	-2.68/-2.62	-4.79/-2.41	-3.76/-1.95	0.33/-1.07	-5.79/-3.65	-3.56/-3.80	-7.10/-6.30	-15.25/-9.63	-4.24/-5.47	-1.55/-1.55	1.24/-1.68	-5.33/-1.37	-1.75/-1.18	1.89/-0.98	-1.87/-1.72	-0.68/-5.45	-7.32/-3.61	-5.58/-3.48	-0.34/-0.99	0.57/-1.65	-2.72/-4.30	-5.23/-2.55	-2.24/-5.00	-2.77/-0.58
Θ (97.5°)	-5.23/-4.54	-5.80/-5.10	-4.51/0.87	-0.59/-3.51	-6.68/-5.24	-3.68/-3.66	-9.31/-4.57	-14.68/-12.62	-6.85/-5.69	-3.51/0.69	-1.65/-3.07	-0.53/-3.01	-1.57/-0.41	-0.08/-4.66	-6.05/-4.32	-4.71/-7.61	-10.50/-4.19	-7.69/-3.77	-2.38/-1.90	-1.42/-3.74	-4.37/-5.20	-6.18/-3.22	-2.83/-6.95	-4.16/-2.58
Θ (105°)	-7.02/-5.08	-8.40/-7.17	-6.40/-0.97	-2.03/-4.92	-9.15/-7.66	-5.59/-3.85	-10.24/-5.40	-12.54/-16.20	-8.69/-8.00	-5.34/-1.21	-4.46/-4.50	-5.50/-3.38	-4.89/-2.52	-7.75/-10.01	-10.90/-9.69	-6.25/-2.37	-14.50/-4.61	-9.09/-5.77	-6.25/-2.37	-4.33/-5.15	-6.75/-5.78	-7.38/-3.79	-3.41/-6.51	-5.05/-5.49
Θ (112.5°)	-8.38/-6.33	-9.98/-9.65	-6.72/-2.15	-5.03/-6.88	-9.88/-8.80	-12.95/-4.93	-12.66/-9.14	-16.22/-11.35	-9.62/-7.22	-5.58/-3.03	-3.85/-8.00	-6.39/-5.18	-5.60/-5.75	-8.21/-13.58	-12.10/-8.84	-8.23/-13.00	-14.31/-10.49	-9.56/-7.89	-7.34/-4.96	-4.69/-5.95	-10.13/-6.60	-4.86/-5.29	-4.57/-6.30	-4.31/-7.21
Θ (120°)	-6.17/-5.72	-10.76/-9.25	-7.34/-3.77	-5.95/-6.71	-10.70/-7.90	-8.41/-8.76	-10.42/-12.93	-15.56/-9.65	-8.85/-5.91	-5.53/-7.04	-5.99/-14.35	-7.66/-12.45	-5.06/-9.25	-14.82/-14.48	-11.34/-7.56	-9.34/-13.66	-7.76/-7.75	-4.99/-8.67	-1.38/-9.61	-4.83/-5.18	-11.38/-9.67	-5.66/-6.19	-3.94/-6.14	
Θ (127.5°)	-4.45/-5.29	-10.94/-9.00	-6.62/-6.79	-5.58/-7.62	-9.44/-11.33	-12.43/-10.28	-15.28/-10.61	-13.39/-13.50	-7.61/-9.96	-6.20/-9.48	-11.83/-9.42	-13.02/-13.88	-14.66/-8.88	-8.37/-7.68	-15.77/-11.51	-10.36/-8.41	-11.81/-15.16	-13.24/-9.09	-7.63/-9.38	-8.65/-8.74	-3.82/-4.51	-5.18/-5.66	-5.65/-7.61	
Θ (135°)	-8.48/-7.92	-9.06/-9.51	-5.99/-4.44	-7.35/-10.55	-5.32/-6.32	-6.34/-9.10	-9.69/-9.07	-8.05/-14.17	-10.97/-7.83	-7.07/-8.51	-10.32/-8.11	-9.12/-11.98	-15.19/-12.59	-13.24/-13.36	-8.40/-15.34	-13.81/-15.54	-10.41/-9.25	-9.86/-15.21	-13.98/-14.43	-13.58/-9.22	-10.24/-8.51	-5.03/-3.50	-6.05/-8.25	-5.97/-5.79
Θ (142.5°)	-5.35/-3.31	-11.88/-8.28	-8.11/-4.05	-4.99/-6.76	-11.19/-9.89	-6.73/-6.89	-9.66/-10.24	-12.11/-13.74	-14.79/-11.02	-13.31/-13.41	-10.65/-15.10	-9.03/-6.69	-14.69/-10.24	-13.59/-11.44	-10.42/-13.91	-14.13/-9.10	-15.12/-10.72	-15.81/-12.77	-10.59/-7.38	-8.53/-7.59	-9.82/-10.44	-6.22/-6.15	-6.41/-6.55	-6.44/-6.39
Θ (150°)	-6.01/-8.10	-14.05/-13.82	-7.99/-7.75	-7.67/-6.25	-7.49/-9.19	-13.12/-15.16	-16.08/-14.03	-15.00/-9.43	-9.72/-14.51	-15.49/-12.96	-12.83/-12.89	-10.36/-10.02	-12.67/-14.73	-13.23/-13.26	-10.36/-12.07	-12.17/-15.80	-15.24/-13.81	-9.79/-9.72	-9.33/-11.90	-9.79/-9.72	-9.93/-7.99	-7.16/-7.11	-6.21/-6.18	
Θ (157.5°)	-7.16/-9.78	-16.27/-14.18	-12.55/-11.22	-7.88/-6.77	-10.16/-11.72	-7.74/-7.13	-11.14/-15.23	-13.71/-7.96	-11.43/-15.04	-13.08/-14.89	-14.95/-14.99	-11.76/-13.12	-15.49/-14.06	-12.28/-15.19	-15.49/-14.91	-15.84/-15.35	-13.33/-14.16	-15.24/-15.14	-15.73/-15.28	-11.77/-12.04	-13.42/-13.30	-9.30/-7.29	-6.88/-8.42	-9.11/-7.74
Θ (165°)	-11.03/-11.63	-13.84/-15.00	-13.20/-14.94	-13.43/-11.80	-9.18/-7.64	-7.94/-10.36	-15.30/-14.88	-11.40/-11.01	-13.02/-15.26	-14.91/-15.14	-15.17/-15.27	-14.57/-13.38	-12.58/-14.27	-13.26/-13.71	-12.46/-12.07	-12.20/-12.27	-10.79/-10.52	-11.88/-10.67	-9.67/-10.42	-10.52/-9.14	-8.06/-9.10	-10.31/-13.41	-11.91/-11.51	-10.29/-10.74
Θ (172.5°)	-9.58/-10.84	-12.43/-11.51	-11.54/-12.47	-12.24/-12.56	-13.24/-14.23	-14.94/-14.16	-13.20/-12.01	-10.78/-11.39	-13.23/-15.37	-14.25/-15.65	-14.66/-15.56	-16.14/-15.26	-14.97/-15.18	-15.38/-15.29	-14.97/-14.87	-13.93/-13.77	-11.52/-10.92	-11.58/-11.35	-11.26/-11.35	-12.30/-11.93	-10.17/-10.00	-10.24/-11.76	-14.17/-14.98	-13.68/-10.73
Θ (180°)	-15.00/-15.72	-14.90/-15.90	-14.78/-15.57	-14.81/-15.32	-14.69/-15.20	-15.29/-15.81	-15.77/-14.86	-15.19/-14.96	-15.67/-15.56	-15.49/-15.37	-14.25/-15.28	-15.86/-15.46	-15.19/-15.37	-15.62/-15.32	-15.36/-14.97	-14.95/-15.18	-14.82/-15.79	-15.57/-14.82	-15.51/-14.92	-15.59/-14.67	-15.63/-14.93	-14.71/-15.26	-15.23/-15.07	-15.05/-15.82
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°)	-1.63/-1.70	-1.81/-1.98	-2.27/-2.66	-2.77/-2.46	-1.82/-1.53	-1.80/-2.03	-1.77/-1.24	-0.99/-1.13	-1.38/-1.71	-1.97/-2.11	-2.17/-2.15	-2.06/-1.93	-1.76/-1.58	-1.45/-1.33	-1.35/-1.71	-2.38/-2.82	-2.53/-1.78	-1.17/-1.06	-1.38/-1.43	-1.29/-1.24	-1.29/-1.43	-1.33/-1.17	-1.01/-1.04	-1.30/-1.51
Θ (7.5°)	-1.21/-1.31	-1.23/-1.22	-1.37/-1.78	-2.29/-2.25	-1.57/-1.14	-1.34/-1.76	-1.92/-1.51	-1.17/-1.20	-1.48/-1.90	-2.32/-2.58	-2.70/-2.84	-2.95/-2.94	-2.81/-2.68	-2.72/-2.82	-2.97/-3.07	-3.55/-4.04	-4.03/-3.52	-2.59/-2.07	-2.09/-2.06	-2.05/-1.86	-1.57/-1.48	-1.38/-1.20	-0.95/-0.87	-0.95/-1.06
Θ (15°)	0.18/0.28	0.29/0.14	-0.20/-0.75	-1.55/-2.16	-2.09/-1.90	-2.24/-3.04	-3.69/-4.30	-2.86/-2.66	-2.83/-3.21	-3.55/-3.50	-3.69/-4.07	-4.65/-4.87	-4.80/-4.51	-4.32/-3.99	-4.39/-3.94	-3.63/-3.27	-3.00/-2.87	-3.15/-3.07	-2.67/-2.34	-1.99/-1.55	-1.03/-0.63	-0.33/-0.03		
Θ (22.5°)	1.59/1.94	2.03/1.80	1.28/0.45	-0.68/-1.88	-2.30/-1.95	-1.79/-2.35	-3.28/-3.66	-3.36/-3.13	-3.25/-3.54	-3.52/-2.86	-2.11/-1.95	-2.49/-3.37	-4.27/-5.29	-6.15/-5.95	-4.92/-3.80	-3.07/-2.48	-2.29/-2.58	-2.88/-3.28	-3.09/-2.86	-3.06/-3.13	-2.91/-2.71	-2.48/-2.10	-1.30/-0.49	0.33/0.14
Θ (30°)	2.05/2.56	2.72/2.48	1.82/0.81	-0.50/-1.92	-2.67/-1.98	-0.73/0.06	0.04/-0.42	-0.80/-1.05	-1.78/-2.82	-3.40/-2.61	-1.40/-0.95	-1.34/-2.22	-3.48/-5.31	-7.20/-6.45	-4.34/-2.54	-1.61/-1.30	-1.66/-2.38	-3.11/-4.14	-4.35/-3.52	-2.71/-2.34	-2.15/-2.23	-2.60/-2.91	-2.30/-1.04	0.22/-1.26
Θ (37.5°)	2.05/2.66	2.80/2.56	1.83/1.01	0.22/-0.64	-1.50/-1.63	-0.51/1.00	1.67/-1.49	0.89/0.33	-0.59/-2.36	-3.83/-2.80	-1.23/-0.84	-1.40/-2.28	-4.68/-5.74	-8.10/-6.56	-3.65/-1.71	-0.68/-0.47	-1.40/-2.99	-4.16/-4.76	-4.60/-3.74	-2.54/-1.73	-1.63/-2.00	-2.73/-3.63	-3.25/-1.60	-0.00/-1.15
Θ (45°)	2.27/3.03	3.15/2.57	1.72/-1.20	1.08/0.94	0.36/-0.61	-0.71/0.70	1.18/1.75	0.88/0.31	-0.19/-1.52	-0.89/-1.69	0.03/0.37	-0.12/-0.60	-1.61/-4.18	-7.82/-6.92	-3.92/-1.89	-0.97/-0.83	-1.45/-2.21	-2.69/-3.11	-2.74/-2.03	-1.50/-1.12	-1.33/-2.22	-3.01/-3.56	-3.01/-1.32	0.22/-1.30
Θ (52.5°)	2.42/3.40	3.25/-1.66	1.05/0.82	1.21/1.64	1.44/0.34	-0.73/0.11	1.41/1.54	0.49/0.30	-0.29/-0.81	-1.37/0.29	2.13/-2.46	2.08/-1.62	0.30/-3.07	-7.18/-5.54	-2.53/-1.05	-0.82/-1.21	-1.65/-0.99	-0.17/-0.59	-0.99/-0.58	-0.44/-0.62	-1.32/-2.56	-3.20/-2.78	-1.69/-0.51	0.37/-1.13
Θ (60°)	2.11/3.12	2.63/1.16	-0.04/0.09	0.98/1.84	1.94/0.87	-0.87/-1.09	0.36/-1.01	0.40/-0.45	-0.54/-0.60	-0.61/1.30	3.39/3.85	3.32/2.84	1.36/-1.31	-4.84/-4.17	-1.62/-0.29	-0.27/-1.00	-1.84/-0.42	1.22/-1.28	0.59/0.38	0.13/-0.36	-1.34/-2.81	-3.31/-2.04	-0.78/-0.30	-0.32/0.39
Θ (67.5°)	1.69/2.60	1.66/-0.24	-1.43/-1.00	0.25/-1.45	1.66/0.52	-1.47/-2.18	-0.79/1.07	0.23/-0.37	-0.87/-0.63	0.05/-1.88	3.77/-4.17	3.64/-2.82	1.61/-0.48	-2.86/-2.89	-1.16/-0.69	-1.19/-1.97	-2.51/-0.17	1.72/-0.84	1.15/-0.39	-0.35/-0.62	-1.56/-1.08	-3.39/-1.69	-0.41/-0.66	-1.41/-0.52
Θ (75°)	0.87/1.74	0.45/-1.76	-2.71/-2.13	-0.62/0.74	0.89/-0.49	-2.57/-2.89	-1.75/-1.14	-0.93/-1.10	-1.41/-															



Antenna Pattern Radio 1

Appendix D

Θ (67.5°)	-0.961/85	0.840/42	0.631/26	1.4202/47	0.50/-0.25	-0.190/67	-1.69/-4.46	-2.76/-4.24	0.391/04	1.58/-1.84	-0.450/-99	-0.261/08	-0.820/14	0.130/53	0.81/-1.63	-0.04/-0.83	0.49/-2.45	-2.95/-14.55	-6.63/-3.86	-2.07/-1.44	-2.340/21	3.180/11	-1.77/-0.79	-4.73/-3.22
Θ (75°)	-1.530/-69	-0.630/-95	2.190/26	1.012/29	1.64/-0.05	-2.33/-1.46	-2.58/-7.10	-4.07/-2.22	-3.580/22	-1.47/-2.58	-3.210/-16	0.35/-127	-2.40/-1.82	0.440/65	1.260/61	-0.20/-0.57	-0.64/-1.99	-6.28/-4.54	-5.92/-1.54	-0.820/-14	-2.46/-1.10	1.010/25	-4.22/-1.38	-5.45/-2.39
Θ (82.5°)	-2.68/-1.01	-2.220/85	2.30/-0.37	-0.882/32	1.22/-0.55	-4.34/-3.06	-2.32/-9.30	-4.99/-1.45	-6.07/-2.03	-3.17/-4.82	-2.640/95	1.55/-1.82	-0.203/-2.84	-0.67/-1.77	0.77/-0.32	0.040/83	1.00/-0.33	-4.290/19	-1.81/-3.38	-0.022/-0.46	-1.50/-1.20	-1.44/-0.96	-5.58/-2.28	-6.79/-3.02
Θ (90°)	-5.08/-3.47	-3.44/-0.01	1.78/-1.37	-3.45/-1.37	-0.03/-1.17	-4.24/-5.03	-1.44/-13.83	-4.40/-1.93	-6.59/-3.71	-5.83/-4.07	-3.02/-0.78	1.262/13	-1.83/-1.78	-2.75/-5.18	-1.07/-1.24	0.420/78	0.330/20	-4.310/62	-1.01/-3.15	-1.41/-1.14	-2.19/-1.92	-3.41/-1.89	-8.18/-3.20	-7.12/-4.40
Θ (97.5°)	-5.71/-3.80	-4.05/-1.78	0.08/-2.47	-3.210/-25	-2.42/-1.53	-5.27/-4.73	-2.38/-12.22	-5.60/-2.24	-6.65/-6.20	-5.39/-4.91	-3.82/-3.43	-0.970/-66	-2.34/-3.16	-3.20/-8.96	-2.37/-3.20	-1.990/-21	-2.83/-2.32	-7.01/-0.44	-4.860/75	-3.99/-5.64	-1.84/-3.89	-3.67/-2.83	-10.52/-3.51	-8.50/-5.65
Θ (105°)	-1.47/-6.26	-5.53/-4.13	-4.14/-5.20	-2.52/-1.13	-4.11/-2.27	-5.30/-5.16	-3.39/-10.09	-4.83/-3.54	-4.99/-7.87	-4.13/-6.08	-6.08/-7.26	-3.38/-2.51	-3.83/-5.05	-3.45/-7.28	-3.88/-4.65	-4.30/-2.70	-7.98/-11.21	-11.05/-2.85	-9.86/-2.13	-4.07/-4.25	-3.02/-4.43	-2.83/-6.31	-11.45/-6.36	-8.73/-6.29
Θ (112.5°)	-9.77/-8.44	-7.55/-7.23	-7.18/-4.51	-2.85/-3.50	-4.80/-2.83	-7.85/-4.36	-4.88/-7.50	-6.15/-2.74	-4.88/-6.74	-6.13/-5.01	-7.27/-15.17	-7.89/-8.20	-7.18/-8.20	-5.87/-6.21	-4.19/-7.42	-7.78/-3.33	-5.97/-10.01	-15.91/-4.38	-14.07/-4.46	-11.92/-6.88	-7.39/-3.89	-4.39/-6.57	-14.21/-8.80	-9.94/-9.19
Θ (120°)	-11.85/-12.52	-10.35/-10.91	-6.62/-3.44	-3.31/-5.72	-6.85/-6.26	-12.97/-5.97	-5.63/-10.32	-5.12/-3.74	-4.74/-5.41	-7.24/-5.65	-6.56/-8.00	-15.28/-14.74	-12.86/-13.48	-6.88/-5.29	-6.55/-6.33	-10.69/-6.85	-3.53/-7.41	-15.79/-6.26	-9.04/-5.69	-9.44/-6.21	-4.49/-4.83	-3.84/-8.27	-10.86/-12.88	-9.77/-11.26
Θ (127.5°)	-10.59/-9.31	-7.74/-6.96	-5.91/-4.75	-5.51/-6.07	-8.13/-12.40	-10.59/-5.29	-5.91/-11.87	-3.20/-3.82	-6.09/-5.68	-10.85/-9.92	-7.52/-7.10	-9.60/-7.74	-11.55/-8.85	-6.69/-6.59	-7.53/-5.24	-5.75/-9.41	-6.63/-11.18	-5.93/-6.21	-7.35/-7.06	-2.26/-2.39	-8.09/-4.68	-9.42/-10.82	-11.83/-10.90	
Θ (135°)	-11.68/-7.26	-11.03/-11.38	-6.40/-7.11	-8.81/-7.18	-9.73/-11.65	-11.42/-8.47	-7.63/-15.42	-5.94/-6.90	-9.19/-9.08	-7.50/-9.99	-9.45/-6.80	-7.61/-9.01	-10.39/-10.75	-13.19/-5.87	-8.01/-7.55	-8.66/-10.25	-6.07/-14.37	-8.85/-6.74	-4.32/-4.34	-5.04/-6.82	-5.84/-6.90	-8.15/-4.68	-12.62/-8.03	-10.64/-7.47
Θ (142.5°)	-10.29/-12.33	-7.03/-8.30	-6.21/-5.29	-7.24/-14.65	-14.29/-9.41	-7.42/-10.55	-13.68/-14.43	-8.20/-6.74	-10.53/-11.12	-6.86/-7.61	-11.08/-11.95	-15.21/-15.49	-15.23/-13.38	-8.54/-8.37	-9.06/-8.57	-12.59/-15.28	-9.47/-14.00	-14.61/-11.36	-8.16/-9.60	-9.11/-7.53	-14.75/-9.37	-7.10/-8.12	-8.40/-10.88	-11.20/-11.97
Θ (150°)	-11.06/-11.44	-10.41/-8.98	-11.11/-10.88	-9.12/-9.28	-9.00/-9.55	-12.74/-12.79	-14.60/-15.21	-10.48/-10.06	-10.81/-12.56	-11.02/-11.20	-12.74/-8.82	-7.53/-14.97	-7.87/-7.79	-10.61/-9.62	-11.17/-11.20	-11.23/-13.89	-14.27/-13.63	-8.88/-11.39	-12.38/-9.13	-10.00/-8.54	-11.70/-11.21	-10.25/-12.02	-13.93/-10.58	
Θ (157.5°)	-15.07/-12.18	-12.84/-13.82	-12.46/-14.21	-12.80/-6.64	-5.21/-7.00	-7.80/-9.70	-9.63/-13.33	-13.32/-10.06	-9.53/-12.07	-15.38/-15.07	-12.66/-14.92	-15.13/-12.89	-12.79/-15.95	-13.46/-11.33	-10.65/-14.39	-12.90/-10.51	-13.40/-13.98	-12.89/-12.60	-15.95/-13.94	-12.62/-15.34	-15.40/-11.00	-10.85/-10.67	-14.32/-15.39	-15.64/-14.60
Θ (165°)	-15.14/-15.70	-14.05/-10.02	-9.28/-9.53	-6.61/-7.35	-11.33/-8.45	-8.93/-7.30	-7.90/-9.40	-9.22/-10.07	-10.48/-9.98	-11.23/-14.56	-14.59/-15.02	-15.24/-15.35	-14.62/-16.04	-15.56/-15.48	-14.39/-15.36	-14.95/-15.33	-14.90/-13.29	-15.63/-14.79	-15.80/-14.94	-14.85/-15.45	-15.57/-15.39	-14.01/-12.52	-13.07/-14.65	
Θ (172.5°)	-13.23/-14.54	-13.20/-11.73	-12.90/-11.97	-11.69/-12.48	-11.43/-10.79	-9.74/-9.14	-9.38/-9.45	-9.56/-11.05	-11.55/-12.64	-15.26/-14.30	-13.64/-13.89	-14.14/-15.85	-15.18/-12.99	-12.04/-12.44	-11.73/-10.98	-11.02/-11.00	-10.08/-10.69	-10.86/-9.82	-15.98/-10.44	-14.68/-13.04	-14.58/-14.10	-12.21/-10.33	-9.57/-10.40	-12.12/-12.97
Θ (180°)	-11.33/-12.76	-11.02/-9.28	-10.52/-8.94	-8.95/-8.94	-7.77/-8.46	-7.97/-8.49	-8.50/-9.75	-10.59/-10.45	-9.11/-10.23	-11.85/-11.82	-11.10/-11.92	-12.90/-11.71	-11.38/-11.30	-11.67/-13.71	-12.81/-13.96	-14.01/-12.86	-11.53/-10.70	-11.11/-9.77	-11.82/-12.33	-12.58/-12.93	-11.67/-11.75	-11.94/-11.90	-10.85/-12.83	-13.10/-12.82
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°)	-6.70/-6.10	-6.58/-6.54	-5.62/-6.23	-6.02/-6.17	-5.86/-5.78	-5.48/-5.59	-5.62/-6.07	-4.99/-4.93	-4.86/-5.14	-5.36/-5.56	-5.87/-5.87	-5.58/-5.46	-4.84/-5.11	-5.45/-5.05	-5.26/-5.07	-5.53/-5.56	-6.01/-4.82	-5.70/-5.55	-6.23/-5.25	-5.58/-6.18	-5.90/-5.64	-6.47/-6.25	-6.30/-6.82	-6.37/-6.67
Θ (7.5°)	-0.01/-7.56	-0.89/-8.23	-6.61/-7.35	-6.88/-6.58	-5.16/-5.91	-5.52/-4.92	-5.74/-5.86	-5.59/-5.19	-4.28/-5.06	-5.36/-5.40	-5.65/-5.69	-5.74/-6.40	-6.34/-6.69	-7.81/-7.20	-6.73/-7.17	-6.36/-5.82	-5.82/-5.77	-4.16/-5.66	-4.27/-4.52	-3.97/-4.91	-4.83/-4.35	-5.30/-5.32	-6.01/-6.84	-7.78/-6.80
Θ (15°)	-11.93/-10.31	-8.77/-8.49	-7.19/-7.00	-8.66/-6.94	-7.11/-8.45	-8.65/-7.95	-6.18/-6.08	-6.15/-5.98	-6.99/-6.63	-6.85/-6.21	-4.62/-4.82	-5.35/-6.44	-6.58/-4.95	-4.41/-3.52	-2.60/-3.00	-3.55/-4.37	-5.47/-5.55	-4.98/-4.03	-2.95/-4.39	-7.21/-6.39	-7.96/-6.38	-7.15/-7.48	-8.03/-9.52	-11.86/-8.88
Θ (22.5°)	-3.87/-5.17	-6.38/-7.97	-8.97/-8.11	-7.55/-5.81	-3.58/-3.15	-4.48/-3.57	-3.05/-1.60	-2.53/-2.78	-3.87/-7.06	-7.40/-6.06	-6.22/-6.53	-5.36/-4.21	-3.26/-3.53	-4.19/-4.20	-3.82/-3.07	-2.16/-0.30	0.240/35	-0.65/-1.54	-3.16/-4.22	-3.70/-2.71	-2.95/-5.39	-6.87/-5.97	-4.47/-2.68	-1.64/-1.92
Θ (30°)	-4.11/-4.83	-5.97/-4.40	-3.08/-2.56	-1.92/-2.43	-2.45/-1.95	-5.18/-4.47	-1.69/-1.27	-4.78/-5.57	-3.15/-3.99	-3.97/-3.43	-4.48/-6.16	-7.84/-3.51	-2.99/-6.38	-1.94/-0.40	-0.51/-0.21	0.250/30	-0.89/-0.37	-1.37/-0.42	-0.95/-0.80	-1.61/-2.27	-2.18/-1.98	-2.24/-2.28	-2.60/-2.28	-2.54/-3.08
Θ (37.5°)	1.23/-1.01	-2.51/-4.18	-4.22/-1.86	-1.42/-2.64	-1.93/-0.04	0.53/-0.56	1.34/-1.31	-1.20/-1.27	-0.70/-3.40	-3.76/-6.94	-4.84/-2.14	-4.87/-3.15	-2.70/-3.14	-1.65/-1.04		2.69/-1.47	2.34/-1.44	1.700/31	-1.36/-1.19	-0.89/-3.23	-1.46/-1.55	0.58/-1.18	1.900/-46	1.81/-1.55
Θ (45°)	0.52/-0.99	-1.77/-1.19	-1.37/-0.78	0.900/85	-0.27/-0.28	-1.09/-2.43	0.73/-0.86	-2.170/15	-0.97/-1.82	-0.33/-1.04	1.600/-49	-0.87/-0.27	-0.44/-1.53	0.26/-1.49	-1.180/89	2.05/-1.64	1.83/-1.93	0.240/56	-2.08/-0.19	-0.61/-3.09	-0.07/-3.44	-0.59/-1.82	3.763/-19	2.52/-1.69
Θ (52.5°)	-0.080/05	0.90/-0.10	-3.25/-3.16	-0.43/-1.17	0.42/-1.66	2.900/-39	1.69/-0.77	-1.18/-1.49	-1.650/-49	2.87/-1.51	1.310/34	2.09/-1.31	1.11/-1.29	-1.240/-28	1.51/-1.64	2.85/-0.42	3.96/-2.64	-1.95/-0.78	0.132/88	-0.750/64	1.53/-0.94	0.930/14	3.60/-11	-0.35/-0.50
Θ (60°)	0.432/-1.1	1.070/-09	0.372/-22	2.370/-28	0.71/-3.42	2.370/-28	0.71/-3.42	-1.15/-1.71	-2.622/-02	2.001/-75	1.732/-50	3.013/-88	2.160/-27	-1.92/-3.88	-0.12/-1.92	0.883/-27	2.430/-89	-0.81/-3.86	-3.05/-0.29	-3.14/-0.47	-1.222/-20	3.27/-2.02	1.191/-07	-1.05/-0.17
Θ (67.5°)	-0.770/65	-0.580/105	2.720/-64	-1.662/-82	4.21/-45	0.63/-1.89	-0.405/-2.3	-1.26/-2.34	-2.94/-86	-0.93/-149	1.461/-73	-0.032/-0.3	0.421/-99	0.800/-42	0.232/-05	-8.00/-11	-1.315/-18	-4.51/-13.23	-9.63/-6.16	-3.92/-1.89	-3.412/-34	2.47/-0.44	-2.53/-1.31	-2.45/-1.37
Θ (75°)	-2.17/-1.41	-2.270/-37	1.04/-0.53	-3.590/-75	3.410/-08	0.20/-1.55	0.10/-3.07	-0.70/-4.23	-1.75/-1.77	-2.79/-0.69	0.05/-1.17	-0.850/-93	-1.340/-93	0.272/-53	0.912/-79	0.95/-0.70	0.21/-3.42	-8.05/-9.37	-6.26/-1.10	-1.21/-3.03	-2.130/-98	-0.070/-99	-6.260/-17	-3.60/-3.95
Θ (82.5°)	-4.15/-3.56	-3.16/-0.56	-1.00/-1.98	-2.840/10	1.63/-1.60	0.04/-1.07	0.47/-2.43	-0.72/-4.92	-1.320/-23	-4.29/-3.19	1.59/-1.48	0.110/-20	-0.031/-00	0.11/-1.46	0.790/-65	1.79/-0.80	-5.90/-2.83	-0.650/-24	-0.02/-3.12	-1.490/-28	-1.370/-03	-8.41/-1.22	-5.06/-5.93	
Θ (90°)	-5.85/-5.42	-4.72/-3.04	-2.18/-2.24	-3.97/-0.85	-0.22/-3.47	-0.77/-0.84	-0.49/-2.59	-2.66/-4.93	-1.88/-2.20	-5.83/-4.07	-2.57/-2.44	1.74/-1.24	0.71/-1.01	-1.50/-1.37	-1.50/-0.27	0.330/-95	1.89/-0.29	-7.87/-2.48	-0.87/-0.62	-0.89/-4.34	-2.05/-1.14	-2.85/-1.33	-10.57/-2.78	-6.11/-6.33
Θ (97.5°)	-5.24/-8.20	-6.67/-4.18	-3.25/-3.01	-4.37/-3.02	-0.98/-3.77	-1.86/-1.75	-1.44/-3.68	-4.17/-6.36	-2.21/-3.89	-7.61/-6.34	-2.84/-0.42	0.74/-0.14	-0.32/-2.78	-2.03/-3.83	-4.16/-3.47	-3.08/-0.92	-0.93/-2.62	-6.96/-2.01	-3.72/-2.71	-3.44/-1.12	-2.29/-4.27	-2.10/-2.82	-11.39/-3.27	-6.64/-6.51
Θ (105°)	-7.39/-9.52	-8.64/-6.20	-3.67/-4.25	-5.64/-1.30	-1.18/-4.47	-3.43/-4.73	-3.25/-4.74	-4.94/-6.62	-3.11/-5.15	-8.79/-7.39	-5.24/-6.60	-2.79/-4.35	-2.86/-4.74	-4.43/-3.89	-4.77/-2.90	-4.11/-3.01	-7.76/-12.90	-14.01/-3.62	-11.72/-4.96	-8.99/-6.97	-3.37/-5.96	-2.78/-3.75	-10.81/-3.82	-7.18/-6.88
Θ (112.5°)	-8.77/-13.11	-9.59/-6.37	-6.54/-7.13	-5.69/-1.13	-3.56/-3.87	-5.28/-5.94	-5.19/-8.01	-5.58/-5.68	-3.58/-6.93	-6.89/-7.67	-8.55/-11.39	-7.43/-7.62	-8.88/-9.74	-6.30/-4.50	-6.27/-6.73	-6.34/-1.77	-6.03/-11.71	-14.02/-6.21	-10.84/-7.58	-9.08/-6.01	-4.76/-4.31	-9.16/-3.36	-11.31/-6.68	
Θ (120°)	-12.61/-12.09	-10.96/-8.40	-8.47/-9.53	-4.82/-3.00	-4.54/-4.51	-7.05/-7.00	-5.14/-7.45	-6.51/-4.75	-4.51/-5.24	-15.22/-6.12	-11.16/-9.41	-12.78/-14.92	-11.82/-12.73	-6.43/-5.13	-9.03/-10.85	-11.87/-4.24	-2.60/-10.14	-1						