



Radiated Composite Gain Data_Radio 1 (4TX)

Appendix A.1

Θ (165°)	-18.86/-18.96	-18.66/-18.23	-18.39/-17.9	-18.12/-17.59	-17.92/-18.12	-18.88/-18.46	-17.96/-18.68	-18.25/-17.99	-17.52/-18.05	-18.69/-18.23	-16.42/-18	-18.66/-17.94	-18.64/-17	-18.18/-17.46	-18.63/-17.57	-17.92/-16.51	-14.25/-13.58	-15.95/-14.83	-17.57/-16.79	-15.49/-14	-13.74/-15.88	-17.76/-18.01	-18.93/-18.61	-17.37/-17.47
Θ (172.5°)	-17.92/-17.73	-17.88/-17.92	-17.05/-17.3	-14.83/-14.03	-14.12/-15.26	-18.12/-19.27	-16.31/-14.78	-14.99/-16.61	-16.84/-18.83	-18.37/-17.6	-18.06/-18.69	-16.64/-16.05	-15.78/-14.07	-15.09/-16.42	-15.67/-15.97	-18.01/-18.33	-17.86/-17.58	-18.83/-17.48	-18.6/-19.13	-18.38/-18.49	-18.56/-17.99	-17.83/-18.04	-14.73/-14.54	-15.78/-16.83
Θ (180°)	-18.84/-18	-18.59/-18.03	-17.45/-18.15	-17.2/-18.08	-17.41/-18.88	-18.24/-18.22	-18.24/-18.39	-18.06/-17.92	-16.77/-16.62	-17.37/-17.09	-17.58/-18.69	-18.64/-18.8	-18.66/-17.35	-17.41/-16.91	-16.35/-15	-18.01/-16.55	-17.69/-13.66	-18.74/-16.66	-16.27/-17.04	-18.04/-15.56	-18.40/-17.58	-18.12/-16.11	-18.97/-17.36	-18.62/-18.12
Freq(Hz)	5.3GPol.	PMiAnt. 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°)	-11.4/-12.67	-14.01/-15.87	-15.69/-16.31	-15.69/-13.32	-11.48/-11.27	-11.4/-10.12	-8.57/-8.18	-8.61/-8.13	-7.43/-7.61	-7.47/-7.51	-8.38/-9.33	-9.65/-10.34	-11.09/-11.56	-12.58/-13.68	-15.04/-16.66	-16.16/-14.45	-14.21/-12.1	-9.73/-8.06	-7.71/-7.36	-7.21/-7	-6.79/-7.33	-7.71/-7.87	-8.09/-8.84	-10.41/-10.7
Θ (7.5°)	-8.91/-9.57	-11.5/-13.26	-13.45/-14.94	-17.4/-16.74	-13.35/-12.76	-11.85/-10.92	-9.33/-9.35	-8.69/-8.89	-8.2/-8.82	-9.28/-9.65	-10.61/-11.17	-11.93/-13.11	-15.89/-19.37	-18.15/-15.9	-15.3/-14.6	-13.72/-11.87	-11.3/-11.34	-10.12/-9.32	-9.12/-9.43	-9.28/-9.97	-8.59/-8.43	-8.27/-8.61	-8.75/-8.57	-9.34/-9.61
Θ (15°)	-10.02/-12.08	-13.9/-15.15	-16.37/-17.96	-18.96/-17.43	-15.33/-14.75	-14.19/-13.09	-11.52/-11.53	-12.07/-11.23	-10.35/-10.96	-11.62/-12.44	-12.46/-11.61	-11.02/-10.8	-12.48/-15.48	-17.29/-19.91	-18.1/-15	-14.13/-12.4	-11.57/-11.64	-12.13/-12.25	-13.73/-16.13	-17.89/-15.71	-12.78/-11.14	-10.45/-10.64	-11.77/-11.94	-10.82/-10.43
Θ (22.5°)	-9.87/-12.55	-15.42/-18.35	-18.72/-18.4	-18.82/-18.9	-18.07/-19.09	-13.45/-9.96	-9.42/-12.07	-13.22/-9.1	-7.91/-7.74	-8.48/-9.13	-10.68/-12.81	-12.12/-12.03	-13.02/-16.15	-18.83/-16.79	-11.99/-10.76	-11.93/-12.55	-10.74/-10.95	-13.52/-18.82	-17.71/-16.59	-12.33/-10.14	-9.98/-9.23	-10.69/-11.09	-9.44/-8.52	
Θ (30°)	-16.38/-17.73	-14.07/-14.72	-17.81/-18.07	-19/-12.23	-11.95/-15.58	-14.11/-11.74	-13.01/-14.7	-12.35/-10.7	-10.03/-11.39	-13.63/-11.88	-12.12/-12.02	-12.21/-11.76	-10.63/-11.07	-13.86/-14.15	-12.78/-11.72	-9.98/-9.99	-10.45/-9.94	-7.53/-9.43	-15.88/-18.75	-19.07/-18.3	-18.87/-17.15	-14.56/-15.99	-17.94/-12.07	-8.63/-10.29
Θ (37.5°)	-13.21/-13.44	-17.7/-18.09	-17.99/-14.43	-19.33/-16.56	-13.82/-14.89	-13.38/-7.27	-8.5/-10.76	-7.96/-9.55	-10.32/-10.99	-11.16/-10.31	-14.72/-11.93	-11.28/-9.41	-9.57/-12.64	-14.76/-11.28	-10.37/-11.47	-10.76/-8.29	-10.43/-14.93	-10.02/-9.56	-14.29/-18.58	-15.93/-14.14	-16.05/-18.82	-18.62/-18.28	-17.51/-17.7	-9.63/-12.76
Θ (45°)	-1.61/-19.2	-17.72/-13.78	-15.42/-15.77	-17.76/-18.7	-12.64/-17.1	-8.44/-8.33	-8.71/-10.95	-12.74/-14.16	-14.4/-16.13	-12.74/-14.75	-11.41/-9.26	-8.87/-10.75	-18.71/-18.49	-13.09/-11.6	-12.92/-13.28	-18.94/-13.26	-18.94/-13.26	-18.45/-18.31	-15.95/-13.22	-16.28/-16.72	-15.66/-14.51			
Θ (52.5°)	-12.73/-19.41	-15.56/-18.21	-18.97/-16.89	-15/-14.58	-16.93/-10.18	-8.38/-13.5	-10.85/-11	-18.23/-17.92	-17.93/-18.82	-18.49/-13.26	-10.21/-15.89	-9.3/-7.94	-7.47/-11.66	-16.44/-13.85	-13.6/-12.73	-11.25/-14.06	-13.76/-9.73	-15.62/-16.42	-16/-17.99	-18.97/-18.33	-19.05/-18.92	-18.15/-17.69	-19.19/-16.58	-19.4/-12.5
Θ (60°)	-8.62/-11.68	-17.78/-18.82	-11.05/-11.66	-13.76/-12.42	-10.16/-13.78	-12.44/-8.89	-18.14/-7.7	-17.73/-12.02	-19.06/-18.26	-14.04/-15.62	-10.15/-7.71	-9.7/-12.12	-16.77/-16.25	-18.31/-18.18	-18.41/-15.45	-16.24/-14.7	-14.75/-15.85	-18.9/-17.43	-18.54/-15.13	-15.71/-18.26	-16.46/-15.79	-18.06/-12.48	-11.16/-8.71	
Θ (67.5°)	-6.51/-8.62	-15.53/-18.89	-11.97/-12.7	-19.1/-11.19	-10.77/-11.27	-18.02/-9.29	-19.46/-9.99	-15.67/-12.67	-18.49/-18.41	-10.5/-15.81	-13.02/-13.84	-11.35/-8.69	-9.72/-10.45	-15.25/-13.18	-17.96/-19.06	-17.76/-16.41	-14.38/-14.31	-18.06/-13.22	-16.85/-19.17	-17.62/-15.01	-17.79/-18.84	-13.29/-12.87	-12.9/-10.2	-8.96/-6.65
Θ (75°)	-4.93/-5.22	-8.9/-14.83	-13.97/-12.08	-19.13/-10.06	-17.59/-11.96	-17.86/-14	-17.19/-15.69	-18.31/-17.44	-14/-18.42	-14.02/-16.64	-14.04/-14.03	-11.72/-10.05	-9.81/-12.87	-16.73/-16.87	-18/-17.21	-14.99/-18.51	-19.5/-17.73	-19.15/-14.22	-18.23/-18.27	-18.92/-14.2	-18.88/-13.4	-12.42/-16.04	-10.17/-7.53	-8.28/-5.41
Θ (82.5°)	-7.43/-6.5	-6.87/-17.08	-17/-14.22	-17.68/-16.04	-15.4/-12.17	-16.64/-18.7	-18.48/-17.61	-17.32/-18.88	-13.02/-14.08	-16.61/-16.56	-13.66/-16.01	-10.75/-9.19	-9.06/-12.63	-15.35/-17.62	-17.24/-16.46	-15.12/-18.56	-17.86/-17.21	-17.86/-17.07	-15.73/-18.59	-18.42/-14.58	-18.48/-12.83	-15.05/-18.63	-11.67/-7.27	-8.8/-7.53
Θ (90°)	-8.33/-8.13	-6.36/-15.76	-17/-16.12	-16.64/-9.75	-18.76/-15.43	-17.78/-18.52	-17.56/-18.1	-18.38/-16.51	-13.7/-10.58	-15.79/-17.43	-13.69/-17.45	-11.93/-12.56	-12.87/-17.06	-18.49/-18.15	-15.76/-15.21	-14.5/-14.61	-18.79/-17.56	-17.73/-16.84	-16.68/-18.6	-18.4/-16.58	-17.92/-11.6	-11.77/-17.82	-11.7/-7.76	-9.77/-5.07
Θ (97.5°)	-8.81/-9.58	-7.14/-16.18	-14.93/-18.67	-13.39/-11.28	-15.93/-15.73	-18.16/-18.31	-17.14/-18.7	-16.37/-14.76	-12.48/-10.08	-18.6/-14.79	-14.19/-17.74	-13.14/-15.59	-13.07/-13.95	-16.42/-19.06	-15.8/-18.52	-14.54/-13.73	-14.16/-17.56	-18.07/-18.96	-18.45/-17.32	-18.39/-15.45	-18.97/-16.08	-18.05/-15.83	-10.91/-9.46	-12.35/-6.56
Θ (105°)	-9.34/-10.94	-8.43/-16.61	-15.12/-18.52	-13.76/-15.54	-15.05/-19.63	-18.48/-17.47	-18.61/-18.86	-16.14/-10.68	-11.42/-11.54	-19.07/-14.69	-14.06/-17.71	-17.12/-16.73	-17.68/-16.88	-18.54/-17.59	-15.84/-17.94	-17.54/-14.75	-14.81/-17.61	-17.46/-18.7	-13.7/-19.24	-18.11/-16.72	-18.08/-16.79	-18.93/-19.21	-12.57/-9.64	-11.23/-7.12
Θ (112.5°)	-12.83/-16.83	-11.01/-19.67	-13.2/-19.58	-15.98/-18.34	-12.04/-18.41	-18.7/-19.12	-19.23/-18.54	-15.6/-17.7	-12.25/-14.14	-16.87/-19.29	-16.91/-18.26	-17.1/-16.73	-18.71/-18.72	-16.86/-12.78	-15.74/-13.38	-15.74/-17.41	-18.05/-18.95	-18.01/-17.42	-18.9/-133	-19.02/-13.68	-15.95/-17.5	-13.6/-11.53	-13.69/-12.56	
Θ (120°)	-18.99/-17.26	-16.06/-18.15	-15.36/-18.88	-17.58/-18.95	-11.76/-19.38	-18.86/-17.8	-18.31/-18.43	-12.96/-19.29	-15.35/-14.89	-18.44/-13.53	-18.26/-17.52	-17.86/-16.4	-15.04/-13.68	-17.85/-19.24	-18.47/-15.92	-13.81/-18.01	-13.9/-18.04	-18.09/-17.9	-17.75/-18.32	-18.48/-19.25	-18.46/-19.03	-13.89/-17.23	-18.23/-17.65	-16.12/-19.18
Θ (127.5°)	-16.42/-17.95	-15.14/-19.09	-13.01/-17.08	-19.14/-17.3	-16.96/-17.95	-16.63/-15.04	-18.54/-17.54	-17/-18.5	-19.07/-15.15	-17.06/-16.81	-19.2/-18.95	-17.42/-17.39	-14.82/-14.13	-18.21/-18.37	-18.27/-14.45	-14.8/-15.67	-15.06/-18.15	-18.54/-18.8	-18.05/-18.86	-19.04/-15.58	-19/-18.23	-19.61/-14.1	-16.38/-17.58	-18.19/-18.47
Θ (135°)	-14.1/-19.07	-16.7/-17.74	-18.27/-13.65	-19.03/-17.3	-18.16/-16.53	-16.18/-18.52	-16.52/-18.29	-16.17/-16.98	-19.13/-18.25	-18.74/-18.57	-15.65/-18.13	-16.45/-17.4	-17.2/-13.15	-17.57/-18.74	-13.54/-10.97	-12.34/-14.69	-18.51/-18.08	-18.62/-17.84	-18.91/-19.4	-17.75/-15.73	-18.29/-18.73	-16.09/-18.12	-14.91/-16.66	-17.97/-17.83
Θ (142.5°)	-15.92/-18.33	-19.16/-18.58	-13.82/-12.43	-17.37/-18.64	-15.55/-17.55	-14.99/-13.4	-19.33/-13.38	-15.61/-13.73	-13.98/-19.32	-18.78/-18.57	-18.28/-18.14	-18.3/-17.47	-12.5/-11.75	-18.44/-18.72	-18.17/-16.82	-18.2/-15.73	-18.53/-17.6	-18.31/-15.68	-18.24/-17.06	-14.86/-19.1	-14.93/-14.4	-18.5/-18.51	-17.4/-17.7	-16.92/-17.62
Θ (150°)	-18.32/-17.43	-12.07/-17.91	-17.11/-14.84	-18.07/-18.74	-17.02/-17.82	-16.31/-14.18	-17.82/-18.02	-17.94/-18.79	-18.36/-17.93	-18.14/-16.36	-18.16/-19.34	-18.79/-19.25	-18.75/-17.77	-19.06/-17.94	-17.53/-18.95	-18.72/-18.51	-17.34/-16.55	-18.6/-14.64	-17.42/-18.17	-14.5/-16.78	-19.06/-17.92	-18.59/-17.99	-18.21/-18.72	-18.06/-15.89
Θ (157.5°)	-18.35/-18.17	-15.5/-17.99	-18.01/-18.68	-14.11/-17.83	-18.67/-19.13	-17.34/-13.33	-18.33/-19.07	-18.74/-18.99	-18.83/-17.93	-17.71/-18.71	-17.87/-18.05	-19.17/-18.26	-17.87/-18.06	-18.75/-18.54	-19.04/-17.22	-17.95/-19.19	-18.15/-14.04	-18.54/-19.71	-18.72/-15.05	-15.31/-16.63	-18.77/-18.68	-18.89/-17.74	-17.78/-18.88	-17.9/-18.31
Θ (165°)	-18.32/-19.12	-18.5/-17.61	-17.89/-16.63	-17.58/-18.77	-18.23/-13.94	-14.25/-17.56	-17.74/-18.93	-16.85/-18.33	-17.44/-17.81	-17.78/-18.27	-17.48/-18.59	-17.81/-17.86	-16.31/-16.05	-17.74/-18.58	-17.73/-17.86	-17.71/-18.57	-19.23/-17.96	-16.9/-14.41	-13.12/-13.47	-15.84/-19.82	-18.41/-18.14	-17.85/-18.8	-18.72/-18.63	-18.41/-18.96
Θ (172.5°)	-18.16/-18.01	-18.21/-19.15	-18.99/-19.03	-18.92/-19.05	-18.97/-18	-18.69/-18.03	-19.07/-18.08	-17.68/-18.98	-17.42/-17.57	-17.74/-18.88	-17.4/-18.43	-19/-17.97	-18.99/-18.12	-19.15/-17.6	-18.36/-18.07	-17.66/-19.04	-19.76/-17.31	-17.21/-17.52	-17.33/-17.86	-18.45/-17.97	-17.85/-18.38	-18.99/-18.66	-17.68/-18.38	-17.68/-19.15
Θ (180°)	-17.58/-17.22	-18.85/-19.78	-18.27/-19.53	-18.37/-17.53	-18.63/-18.17	-18.94/-17.69	-16.38/-16.19	-16.11/-17.57	-17.62/-18.86	-18.21/-18.3	-18.17/-18.45	-18.67/-19.07	-18.64/-19.34	-18.15/-18.89	-18.74/-18.16	-17.8/-18.45	-17.81/-18.48	-18.74/-18	-19.28/-17.8	-18.63/-18.18	-17.96/-19	-17.56/-18.32	-17.7/-18.31	-18.9/-18.1
Freq(Hz)	5.3GPol.	Theta/Ant. 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°)	-10.03/-9.49	-9.39/-8.72	-8.4/-8.71	-9.83/-10.34	-10.34/-10.14	-10.58/-11.63	-13/-14.37	-15.73/-14.74	-18.86/-19.67	-18.17/-17.47	-14.71/-12.88	-11.64/-11.7	-10.5/-9.4	-9.08/-8.37	-7.81/-6.94									



Radiated Composite Gain Data_Radio 1 (4TX)

Appendix A.1

Θ(15°)	-16.63/-17.49	-14.76/-14.34	-13.83/-17.79	-18.11/-15.32	-13.73/-13.84	-14.44/-13.88	-12.76/-10.33	-8.16/-6.37	-7/-8.64	-9.04/-9.45	-9.45/-10.83	-12.56/-18.02	-18.2/-18.37	-14.55/-9.79	-9.35/-10.11	-9.79/-10.41	-11.34/-10.24	-9.08/-9.76	-11.54/-13.54	-15.94/-18.43	-17.93/-18.73	-16.51/-15.69	-14.33/-13.57	-13.29/-13.46
Θ(22.5°)	-11.73/-14.17	-14.69/-16.86	-18.37/-19.07	-18.22/-18.38	-12.94/-8.03	-7.98/-11.55	-15.85/-9.18	-5.39/-5.51	-7.29/-10.14	-11.07/-8.59	-7.77/-8.21	-8.85/-10.11	-13.12/-18.28	-13.99/-9.34	-7.13/-7.81	-7.73/-7.12	-7.61/-8.59	-8.33/-8.05	-10.23/-17.46	-19.35/-18.04	-18.31/-18.58	-18.42/-16.95	-14.34/-12.51	-10.97/-9.97
Θ(30°)	-13.03/-18.77	-15.78/-11.09	-18.77/-17.44	-12.59/-10.47	-19.08/-9.15	-6.44/-10.22	-16.71/-11.52	-8.89/-9.36	-13.44/-14.42	-9.22/-7.43	-7.43/-11.24	-16.1/-15.61	-17.11/-14.98	-13.09/-13.61	-12.78/-11.36	-9.47/-7.6	-7.4/-11.4	-15.37/-7.88	-7.72/-17.63	-12.11/-10.46	-17.75/-18.48	-10.88/-8.43	-8.38/-12.17	-15.33/-10.34
Θ(37.5°)	-17.72/-14.35	-14.53/-17.83	-15.83/-9.79	-14.57/-8.77	-10.99/-15.62	-11.44/-10.38	-11.17/-10.74	-9.76/-9.67	-13.28/-11.15	-8.9/-14.87	-17.78/-16.14	-13.29/-9.77	-10.11/-13.01	-10.89/-10.19	-10.33/-9.99	-10.52/-12.85	-11.29/-8.42	-11.35/-16.59	-9.83/-14.37	-13.08/-10.42	-17.64/-11.18	-10.67/-15.87	-14.99/-18.63	-12.79/-12.47
Θ(45°)	-18.17/-11.31	-17.77/-16.38	-17.81/-10.5	-15.09/-13.13	-15.88/-11.78	-7.36/-9.08	-5.35/-15.38	-10.02/-17.61	-15.7/-18.34	-9.22/-12.94	-16.38/-13.92	-14.65/-11.49	-11.6/-11.07	-10.84/-12.77	-18.68/-18.53	-11.17/-8.92	-13.58/-14.06	-11.53/-14.74	-13.87/-14.46	-14.33/-11.58	-18.27/-11.46	-17.41/-18.36	-14.2/-18.13	-14.06/-16.5
Θ(52.5°)	-18.76/-18.94	-19.04/-18.9	-13.94/-14.19	-14.66/-18.73	-12.44/-11.93	-5.51/-17.18	-7.38/-18.34	-12.68/-15.82	-8.21/-17.37	-10.53/-15.72	-18.51/-18.25	-11.68/-7.75	-6.32/-8.82	-7.98/-10.25	-15.22/-16.1	-18.66/-15.45	-13.32/-15.63	-13.07/-14.52	-14/-13.44	-15.19/-12.28	-14.9/-15.86	-17.89/-18.01	-18.62/-19.44	-18.52/-19.01
Θ(60°)	-9.3/-10.64	-19.35/-18.77	-11.3/-10.59	-12.41/-18.16	-6.54/-19.26	-8.28/-16.71	-11.18/-15.96	-15.41/-14.52	-11.94/-10.55	-7.99/-14.75	-17.92/-17.59	-10.72/-9.45	-8.55/-9.95	-8.65/-12.42	-18.4/-15.51	-11.74/-14.8	-18.43/-18	-14.9/-16.75	-15.78/-14.24	-16.91/-11.6	-17.21/-17.55	-18.38/-13.39	-17.05/-18.14	-13.3/-8.84
Θ(67.5°)	-5.33/-4.23	-12.76/-13.28	-9.88/-11.66	-17.28/-17.73	-6.77/-17.56	-18.75/-18.03	-14.63/-18.8	-14.52/-10.99	-14.73/-8.72	-10.59/-12.74	-18.8/-15.09	-10.84/-15.65	-10.06/-9.88	-10.16/-18.16	-18.85/-18.25	-15.06/-16.9	-17.82/-19.03	-14.19/-12.46	-13.83/-15.8	-18.52/-12.91	-16.82/-12.8	-19.32/-11.18	-14.14/-10.82	-8.34/-5.03
Θ(75°)	-2.61/-1.93	-7.85/-11.07	-10.89/-10.12	-17.86/-8.99	-15.41/-18.09	-18.43/-18.15	-19.16/-16.6	-15.54/-10.35	-10.84/-10.29	-11.98/-12.23	-18.1/-18.66	-16.05/-18.97	-12.42/-12.4	-10.71/-13.42	-18.06/-16.44	-14.96/-13.93	-18.82/-17.13	-15.03/-10.14	-14.3/-17.71	-19.07/-16.06	-16/-14.97	-18.98/-14.78	-12.58/-9.93	-5.18/-3.32
Θ(82.5°)	-2.3/-2.17	-6.55/-10.44	-13.28/-11.31	-18.17/-7.47	-18.23/-17.15	-16.13/-15.77	-18.43/-16.7	-12.81/-10.29	-8.49/-11.82	-12.93/-12.8	-18.71/-18.1	-14.95/-13.91	-15.09/-17.88	-12.17/-12.34	-18.33/-14.06	-15.8/-15.87	-18/-18.28	-15.45/-8.8	-13.78/-15.64	-18.51/-18.13	-16.83/-14.13	-18.91/-18.44	-6.82/-5.96	-3.84/-3.68
Θ(90°)	-3.41/-3.4	-5.21/-9.92	-16.94/-12.17	-18.72/-6.87	-18.05/-16.75	-17.63/-12.2	-14.54/-16.75	-12.99/-14.9	-9.06/-11.77	-12.34/-16.91	-18.8/-18.18	-14.47/-16.59	-18.95/-18.42	-12.02/-10.94	-18.52/-14.83	-12.24/-13.58	-18.06/-18.24	-15.6/-8.89	-14.02/-17.91	-17.57/-18.46	-19.2/-17.49	-17.91/-17.79	-6.81/-6.69	-4.13/-4.99
Θ(97.5°)	-5.21/-5.61	-6.22/-10.76	-17.11/-16.87	-18.13/-9.24	-16.59/-19.02	-18.33/-12.69	-15.29/-18.64	-11.76/-13.09	-9.7/-12.01	-14.77/-18.89	-17.11/-16.67	-12.38/-17.04	-19.21/-18.7	-13.29/-12.61	-18.21/-12.52	-10.54/-15.86	-18.98/-18.83	-19.25/-10.43	-16.45/-18.88	-18.07/-19	-18.14/-18.13	-19.55/-19.12	-8.19/-9.07	-6.62/-8.14
Θ(105°)	-7.89/-7.72	-6.83/-11.71	-16.69/-18.36	-14.73/-9.62	-11.02/-18.97	-16.48/-14.57	-17.84/-19.29	-14.78/-15.33	-11.41/-13.05	-15.4/-18.17	-18.68/-16.32	-15.43/-18.21	-18.17/-19.11	-15.64/-15.17	-18.87/-16.27	-11.95/-11.86	-18.73/-18.55	-18.66/-13.03	-16.35/-18.57	-18.82/-18.17	-19.33/-18.03	-19.22/-16.98	-11.48/-8.2	-6.03/-10.5
Θ(112.5°)	-12.7/-17.83	-10.2/-14.98	-16.87/-18.85	-15.42/-15.27	-10.46/-19.31	-17.44/-18.45	-15.05/-17.83	-14.03/-11.82	-12.76/-15.29	-19.11/-17.72	-18/-16.82	-17.94/-17.8	-18.34/-16.65	-18.25/-11.6	-10.8/-13.09	-18.85/-14.03	-18.44/-17.94	-18.41/-18.18	-18.46/-17.72	-18.14/-18.47	-17.78/-17.96	-13.85/-13.29	-11.61/-13.26	
Θ(120°)	-18.5/-18.54	-13.9/-13.78	-12.64/-17.95	-18.12/-18	-11.56/-17.56	-14.75/-16.44	-14.46/-17.16	-13.92/-12.54	-15.89/-16.47	-18.76/-15.79	-19.05/-14.69	-17.93/-18.57	-18.53/-15.23	-19.03/-17.81	-12.6/-12.89	-11.62/-10.84	-14.95/-11.07	-19.12/-18.61	-18.75/-17.74	-19.22/-17.94	-19.06/-17.64	-18.81/-11.48	-17.27/-18.29	-17.38/-18.87
Θ(127.5°)	-17.01/-17.2	-11.48/-13.84	-12.03/-18.37	-13.54/-17.87	-13.09/-12.44	-19.27/-12.74	-15.65/-15.06	-18.3/-16.92	-15.46/-13.17	-15.22/-19.01	-13.94/-16.22	-14.29/-15.16	-16.78/-14.52	-18.87/-19.24	-18.6/-11.56	-8.79/-10.3	-15.04/-14.96	-15.66/-12.78	-18.96/-17.89	-18.5/-18.18	-17.62/-13.23	-18.63/-14.62	-15.63/-18.88	-17.41/-14.32
Θ(135°)	-12.06/-19.08	-13.61/-15.8	-18.87/-18.85	-16.55/-16.57	-18.85/-10.31	-13.85/-13.51	-18.05/-11.35	-13.94/-15.05	-12/-18.39	-18/-17.62	-19.15/-11.96	-13.84/-17.77	-18.73/-13.79	-18.61/-18.56	-16.28/-10.9	-7.7/-14.65	-17.38/-14.62	-13.33/-17.41	-18.09/-18.36	-18.13/-15.84	-18.76/-18.2	-16.74/-18.19	-18.35/-17.66	
Θ(142.5°)	-18.57/-16.29	-11.79/-15.85	-9.82/-9.21	-19.55/-16.98	-18.28/-18.47	-14.19/-10.25	-11.27/-14.96	-9.86/-18.66	-13.85/-17.89	-17.34/-16.8	-15.63/-10.74	-12.41/-14.75	-14.45/-15.88	-17.44/-18.06	-13.9/-12.21	-12/-12.55	-13.24/-14.77	-17.7/-15.23	-17.72/-15.64	-18.89/-11.16	-15/-17.24	-15.75/-18.2	-18.98/-15.23	
Θ(150°)	-11.96/-18.06	-9.46/-13.13	-15.71/-17.51	-18.69/-16.96	-18.36/-17.65	-19.12/-18.44	-18.86/-17.77	-15.23/-18.51	-18.89/-18.91	-18.85/-16.52	-14.68/-18.23	-16/-13.2	-11.96/-15.9	-18.32/-17.96	-18.57/-15.29	-13.46/-15.01	-18.66/-18.65	-14.82/-17.61	-17.28/-18.55	-18.63/-12.54	-15.5/-18.87	-16.23/-15.85	-14.4/-14.98	-18.79/-11.91
Θ(157.5°)	-18.18/-18.65	-19.01/-18.56	-18.34/-18.93	-17.38/-17.95	-13.64/-10.15	-15.03/-18.07	-17.64/-18.94	-17.88/-18.32	-18.65/-19.19	-18.04/-16.57	-13.97/-14.25	-19.43/-18.15	-19.37/-18.75	-18.38/-17.6	-17.29/-16.29	-17.77/-17.24	-15.77/-17.24	-12.75/-14.62	-15.89/-15.79	-17.63/-17.46	-15.07/-15.37	-18.24/-18.35	-14.39/-16.4	-19.24/-17.94
Θ(165°)	-18.28/-18.5	-15.96/-18.16	-17.8/-18.2	-18.23/-17.52	-16.71/-16.9	-19.22/-18.62	-18.5/-18.47	-19.3/-18.71	-19.1/-17.92	-15.18/-14.95	-14.08/-13.15	-12.64/-13.22	-13.83/-14.29	-15.16/-18.61	-18.02/-16.89	-15.83/-15.39	-16.49/-17.93	-17.9/-17.98	-14.94/-13.26	-15.94/-19.24	-17.86/-17.37	-18.22/-18.02	-18.74/-17.29	-17.2/-18.57
Θ(172.5°)	-19.18/-18.14	-18.72/-16.78	-15.84/-14.12	-13.35/-13.52	-14.6/-17.78	-18.34/-17.45	-15.91/-15.94	-14.66/-15.02	-16.36/-17.34	-18.04/-17.83	-18.97/-17.8	-17.51/-17.46	-18.23/-18.06	-19.34/-16.61	-14.69/-12.56	-10.73/-10.36	-11.28/-11.39	-11.47/-12.95	-15.11/-19.07	-17.79/-18.84	-18.58/-17.97	-18.97/-18.52	-17.41/-17.47	-17.75/-19.08
Θ(180°)	-17.5/-19.26	-18.9/-17.91	-19.59/-17.89	-19.59/-19.43	-19.23/-18.79	-18.49/-18.49	-18.67/-18.54	-18.29/-19.19	-18.36/-16.55	-15.1/-14.88	-13.97/-14.79	-15.65/-16.48	-18.01/-17.61	-19.05/-19.69	-19.07/-18.9	-18/-18.47	-18.25/-18.67	-17.7/-18.51	-19.32/-19.14	-17.22/-18.72	-17.93/-18.11	-18.4/-18.63	-18.14/-18.39	-19.08/-18
Freq(Hz)	5.785GiPcL	Theta/Ant. 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°)	-14.62/-14.47	-15.7/-16.25	-16.65/-17.97	-18.71/-17.49	-18.77/-18.17	-18.15/-18.42	-18.7/-16.42	-13.17/-12.27	-11.74/-10.64	-10.08/-9.28	-9.1/-8.92	-8.67/-8.8	-8.87/-8.24	-8.63/-9.8	-10.13/-10.67	-12.26/-12.88	-13.64/-15.38	-18.27/-18.86	-18.2/-18.21	-16.8/-14.66	-13.65/-13.79	-13.72/-13.29	-13.35/-13.93	-14.14/-15.56
Θ(7.5°)	-9.69/-8.7	-9.74/-8.15	-7.72/-7.35	-7.98/-8.22	-8.63/-9.77	-11.18/-12.2	-12.06/-13.83	-14.97/-13.74	-15.27/-15.27	-15.02/-15.74	-16.87/-18.06	-18.14/-19.06	-17.98/-17.3	-15.43/-14.81	-17.58/-17.72	-17.67/-16.33	-16.84/-17.28	-15.95/-14.42	-12.51/-11.37	-10.77/-9.83	-9.18/-8.88	-9.4/-8.64	-8.33/-8.97	-9.17/-9.63
Θ(15°)	-15.95/-15.85	-15.59/-14.93	-12.47/-10.85	-11.23/-11.81	-13.23/-15.35	-16.92/-14.66	-12.35/-11.58	-12.84/-14.81	-18.95/-17.81	-18.19/-16.89	-15.17/-13.73	-12.86/-11.6	-11.22/-11.44	-12.03/-11.86	-12/-12.79	-13.32/-12.75	-14.06/-18.46	-18.31/-16.15	-13.33/-12.06	-12.49/-14.85	-16.72/-18.66	-16.21/-13.63	-13.13/-13.56	-13.69/-14
Θ(22.5°)	-7.87/-6.57	-6.41/-6.13	-6.19/-6.77	-7.16/-6.3	-5.25/-4.98	-6.08/-7.18	-7.22/-9.03	-12.19/-13.11	-14.04/-14.58	-14.95/-14.19	-17.77/-19.2	-16.91/-18.12	-17.68/-17.7	-17.8/-19.31	-18.33/-19.59	-15.62/-11.63	-9.38/-8.27	-7.45/-6.73	-6.64/-7.25	-6.77/-6.69	-8.59/-11.27	-12.1/-11.34	-10.32/-10.16	-9.79/-8.99
Θ(30°)	-7.1/-9.42	-11.84/-8.03	-4.91/-4.06	-3.6/-3.29	-3.77/-6.3	-9.58/-7.62	-5.91/-6.32	-8.71/-11.39	-6.91/-6.29	-12.08/-10.57	-10.48/-9.88	-8.28/-9.2	-10.07/-9.34	-10.64/-14.2	-12.15/-9.52	-6.82/-5.81	-6.51/-5.16	-3.32/-3.36	-4.47/-4.99	-4.99/-4.83	-5.54/-8.89	-13.95/-10.8	-7.4/-6.03	-7.3/-8.39
Θ(37.5°)	-2.12/-2.11	-2.4/-3.48	-4.68/-3.57	-1.3/-1.31	-2.67/-3.13	-3.45/-4.79	-5.45/-9.04	-11.05/-6.75	-4.28/-6.75	-5.3/-1.9	-4.62/-6.23	-7.11/-7.39	-7.12/-5.17	-4.79/-5.95	-5.69/-5.08	-3.62/-2.75	-2.5/-3.98	-2.1/-0.51	-2.66/-4.12	-1.77/-1.1	-1.74/-4.77	-5.55/-3.85	-1.06/-1.14	-2.45/-1.64
Θ(45°)	-2.15/-0.8	-1.74/-1.33	-0.78/-1.33	-1.92/-1.64	-1.7/-2.42	-5.25/-6.39	-6.14/-7.1	-6.49/-4.96	-3.61/-4.87	-3.8/-2.02	-3.16/-2.45	-3.52/-2.93	-3.54/-3.68	-4.21/-3.77	-1.96/-1.76	-2.92/-2.69	-1.47/-1.77	-3.17/-2.06	-2.35/-3.83	-2.03/-1.52	-3.12/-3.76	0.39/-0.55	-0.17/-1.6	-1.34/-1.02
Θ(52.5°)	0.050/83	-2.27/-1.48	0.281/54	1.040/26	-0.44/-1.16	-3.56/-5.45	-3.57/-5.51	-3.41/-3.79	0.28/-1.91	-1.84/-4.12	0.8													



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Freq(Hz)	2.45G
Ant. 2 Max Gain (dBi)	3.28
Ant. 3 Max Gain (dBi)	3.95
Ant. 2 Polarization/Θ(°)/Φ(°)	Theta/52.5/7.5
Ant. 3 Polarization/Θ(°)/Φ(°)	Theta/60/0
Max Gain (dBi)	3.95
DG [1SS] (dBi)	6.28
DG [2SS] (dBi)	3.95



DG 1SS Result

Freq(Hz)	2.45G/Pol.	PhiH	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	
DG(dB)	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°)	-0.85/-1.37	-1.82/-2.33	-3.26/-4.48	-5.23/-4.76	-3.81/-3.29	-3.03/-2.73	-2.06/-1.55	-1.75/-1.79	-1.18/-0.63	-0.59/-0.88	-0.94/-0.68	-0.52/-0.73	-1.16/-1.61	-2.09/-2.76	-3.77/-4.99	-5.86/-5.72	-4.88/-4.04	-3.09/-2.38	-2.15/-1.98	-1.86/-1.67	-1.24/-0.85	-0.51/-0.3	-0.14/-0.08	-0.2/-0.44
Θ(7.5°)	-0.8/-1.34	-1.68/-2.1	-2.84/-3.83	-4.61/-4.41	-3.68/-3.2	-3.01/-2.86	-2.09/-1.22	-1.05/-1.21	-1.12/-0.54	-0.27/-0.49	-0.84/-0.83	-0.67/-0.94	-1.58/-2.41	-3.21/-4.13	-5.57/-6.57	-6.81/-6.23	-5.47/-4.91	-3.73/-2.66	-2.17/-2.13	-2.23/-2.15	-1.65/-1.17	-0.8/-0.44	-0.07/0.08	-0.04/-0.31
Θ(15°)	-1.23/-2.11	-2.7/-3.11	-3.72/-4.52	-5.18/-5.17	-4.74/-4.38	-4.01/-3.52	-2.42/-1.15	-0.63/-0.86	-1.55/-1.71	-1.72/-1.95	-2.34/-2.26	-1.68/-1.46	-1.87/-2.84	-4.27/-5.77	-6.68/-6.15	-5.23/-4.38	-4.13/-4.79	-5.03/-4.28	-3.46/-3.22	-3.66/-3.74	-3.34/-2.81	-2.05/-1.04	-0.25/0.08	-0.05/-0.49
Θ(22.5°)	-1.57/-3.4	-4.99/-5.27	-4.81/-4.44	-4.3/-4.47	-4.96/-5.5	-5.37/-4.25	-2.6/-1.14	-0.27/-0.22	-0.99/-2.13	-3.46/-5	-6.22/-5.14	-3.5/-2.35	-2.13/-3.08	-5.28/-6.55	-5.45/-3.97	-2.98/-2.47	-2.81/-4.26	-5.94/-6.79	-6.12/-5.46	-6.06/-7.08	-7.24/-6.41	-4.96/-3.11	-1.47/-0.59	-0.28/-0.53
Θ(30°)	-2.02/-3.95	-6.58/-7.08	-5.68/-4.44	-5.08/-4.07	-5.08/-6.53	-7.28/-5.31	-2.78/-1.08	-0.19/0.04	-0.32/-1.06	-2.46/-4.64	-7.56/-7.44	-5.03/-3.28	-2.52/-3.07	-5.56/-6.84	-5.14/-2.85	-1.33/-0.76	-1.47/-3.44	-6.16/-7.91	-7.85/-6.93	-6.54/-7	-7.52/-7.5	-7.25/-6.32	-4.21/-2.26	-1.2/-1.05
Θ(37.5°)	-3.29/-4.29	-5.66/-6.35	-5.74/-5.05	-4.85/-5.07	-5.83/-7.47	-9.29/-6.1	-2.78/-1.14	-0.76/-1.06	-1.31/-1.12	-1.23/-2.47	-5.02/-6.49	-5.25/-4.11	-3.49/-3.83	-6.03/-7.35	-4.96/-2.31	-0.55/-0.04	-1.14/-3.73	-6.95/-8.08	-7.35/-6.7	-5.77/-4.1	-3.53/-4.18	-5.07/-5.99	-6.07/-4.65	-3.38/-2.89
Θ(45°)	-4.48/-4.15	-4.06/-4.46	-4.26/-4.63	-5.68/-6.06	-6.33/-7.4	-8.73/-7.68	-4.09/-2.28	-2.23/-3.05	-3.05/-1.58	-0.32/-0.35	-1.77/-3.82	-5.01/-5.03	-4.11/-3.91	-5.6/-7.41	-6.1/-3.51	-1.62/-1.02	-2.1/-4.59	-7.9/-9.34	-7.08/-5.84	-6.19/-4.82	-2.99/-3.06	-4.19/-4.9	-4.97/-4.69	-4.45/-4.3
Θ(52.5°)	-4.59/-3.92	-3.29/-3.54	-3.6/-4.36	-5.5/-6.06	-6.64/-6.89	-8.08/-7.76	-5.15/-3.66	-4.35/-5.74	-4.57/-1.61	0.220/0.37	-0.78/-2.42	-4.13/-5.21	-4.02/-3.92	-6.16/-7.62	-5.72/-4.57	-3.33/-2.76	-3.26/-4.28	-6.55/-9.47	-6.57/-4.99	-6.28/-7.1	-4.6/-4.04	-4.86/-4.96	-4.24/-3.48	-3.41/-3.98
Θ(60°)	-4.12/-3.37	-2.82/-2.82	-3.2/-4.24	-4.81/-5.31	-6.05/-5.3	-6.44/-8	-6.6/-4.95	-6.33/-9.11	-6.66/-2.5	-0.29/-0.05	-1/-1.89	-3.02/-4.61	-3.4/-3.29	-5.73/-8.27	-5.03/-4.62	-5.27/-4.9	-4.65/-3.77	-4.38/-8.49	-7.61/-4.69	-6.46/-8.41	-5.9/-5.34	-6.34/-6.08	-4.45/-3.1	-3.13/-3.89
Θ(67.5°)	-4.52/-3.04	-2.56/-2.56	-3/-4.01	-4.41/-4.98	-5.55/-4.62	-6.08/-8.71	-7.42/-6.46	-9.04/-12.38	-7.69/-3.14	-1.13/-1.25	-1.95/-1.71	-2.22/-3.85	-2.98/-3.43	-6.15/-7.74	-3.94/-4.47	-7.47/-7.96	-7.29/-4.05	-3.35/-7.82	-8.45/-5.34	-7.52/-10.37	-5.93/-5.92	-7.99/-7.74	-4.62/-2.79	-3.4/-4.9
Θ(75°)	-4.98/-3.39	-2.82/-3.1	-3.26/-3.82	-3.96/-4.64	-6.13/-5.75	-6.64/-8.17	-7.43/-8.09	-11.57/-12.98	-7.73/-4.07	-2.51/-2.6	-2.82/-1.68	-1.72/-4.15	-4.19/-3.3	-4.94/-7.46	-3.56/-3.92	-8.97/-12.32	-11.03/-5.64	-3.53/-6.83	-8.39/-5.69	-7.72/-12.02	-6.46/-6.81	-10.49/-9	-5.35/-2.48	-0.88/-5.2
Θ(82.5°)	-5.13/-4.01	-3.75/-3.86	-3.55/-3.8	-4.09/-5	-6.69/-6.42	-6.32/-7.36	-7.83/-8.74	-12.68/-11.97	-8.11/-4.82	-2.99/-2.94	-3.6/-2.51	-2.82/-5.62	-3.81/-2.21	-4.44/-8.59	-4.58/-5.5	-12.33/-15.04	-10.79/-5.31	-4.38/-8.31	-8.95/-6.43	-8.87/-9.83	-6.37/-8.42	-14.51/-10.18	-6.36/-3	-3.44/-5.43
Θ(90°)	-5.31/-3.97	-4.35/-4.97	-4.02/-3.67	-3.87/-4.84	-6.4/-6.49	-6.56/-8.03	-8.43/-9.98	-13.15/-11.56	-8.42/-5.51	-3.72/-3.79	-5.11/-3.72	-3.09/-4.99	-3.83/-2.3	-4.53/-9	-5.95/-6.08	-12.81/-15.02	-11.96/-6.14	-4.49/-7.77	-9.6/-6.92	-8.84/-9.29	-6.42/-9.1	-14.94/-10.87	-6.91/-3.56	-3.73/-6.03
Θ(97.5°)	-6.33/-4.1	-4.19/-5.16	-4.72/-4.32	-4.44/-5.74	-7.07/-6.4	-6.45/-7.91	-9.41/-12.41	-14.49/-12.07	-9.92/-6.78	-4.44/-4.06	-5.02/-3.92	-3.91/-6.48	-4.15/-2.68	-4.85/-9.76	-6.77/-7.14	-14.19/-14.97	-13.61/-6.82	-4.23/-7.86	-7.58/-6.87	-9.27/-8.97	-7.73/-12.19	-14.66/-10.69	-7.58/-4.18	-4.14/-6.19
Θ(105°)	-6.33/-4.81	-5.07/-6	-5.39/-5.64	-5.72/-6.5	-6.7/-6.26	-7.47/-9.13	-10.33/-11.99	-14.71/-11.75	-8.93/-6.46	-4.7/-4.93	-7.11/-5.11	-4.23/-5.32	-4.34/-3.3	-5.9/-9.91	-6.51/-5.21	-9.96/-15.44	-14.76/-8.2	-5.73/-8.92	-8.22/-7.23	-9.3/-9.46	-7.31/-11.84	-14.6/-10.6	-8.25/-4.76	-5.58/-6.85
Θ(112.5°)	-7.43/-4.99	-4.82/-5.99	-6.13/-6.62	-7.52/-8.31	-8.34/-7.86	-8.3/-8.19	-8.19/-10.52	-13.86/-11.72	-10.28/-9.21	-6.63/-6.26	-5.85/-3.32	-3.17/-6.9	-7.8/-4.73	-4.63/-6.28	-6.54/-6.96	-13.59/-15.63	-11.84/-8.78	-9.27/-12.05	-9.03/-6.03	-8.07/-10.14	-8.7/-11.58	-13.1/-10.3	-7.82/-4.01	-5.32/-8.22
Θ(120°)	-7.55/-5.5	-5.65/-6.56	-6.8/-7.78	-8.51/-8.93	-7.94/-7.09	-8.39/-8.9	-10.34/-13.66	-15.13/-10.44	-7.88/-6.74	-4.7/-4.31	-5.21/-4.44	-4.48/-7.91	-5.68/-2.95	-4.24/-7.37	-11.83/-12.2	-13.11/-13.02	-12.59/-9.82	-8.89/-12.53	-10.73/-7.43	-8.41/-10.76	-10.92/-12.41	-12.95/-9.18	-8.73/-5.11	-5.43/-8.14
Θ(127.5°)	-6.31/-4.59	-4.99/-6.37	-7.98/-9.89	-12.35/-11.22	-9.93/-10.22	-10.96/-9.07	-7.23/-8.89	-13.14/-11.94	-9.2/-7.34	-6.13/-7.84	-8.9/-5.49	-4.39/-5.58	-5.9/-5.44	-6.98/-9.18	-9.92/-9.08	-9.59/-10.86	-12.74/-11.89	-9.99/-11.72	-11.95/-10.07	-12.87/-14.25	-11.12/-9.32	-10.33/-10.1	-9.05/-7.62	-8.89/-9.21
Θ(135°)	-6.47/-4.75	-5.46/-7.77	-9.81/-10.9	-10.82/-11	-11.12/-11.56	-9.8/-7.37	-6.65/-8.66	-11.51/-10.94	-8.26/-6.9	-7.37/-8.02	-6.17/-5.13	-5.61/-7.55	-10.31/-10.44	-9.45/-10.12	-10.27/-10.67	-10.74/-11.57	-12.39/-13.41	-15.05/-13.77	-11.3/-10.94	-13.38/-12.96	-9.09/-7.5	-7.99/-9.38	-9.8/-10.67	-11.89/-10.41
Θ(142.5°)	-6.8/-5.63	-6.71/-10.03	-12.49/-11.01	-11.38/-12.02	-13.51/-13.26	-11.75/-8.94	-8.23/-9.45	-10.68/-11.45	-8.76/-7.85	-6.99/-7.38	-8.43/-9.07	-9.77/-10.2	-11.04/-11.75	-13.08/-12.37	-9.99/-8.74	-10.05/-12.73	-14.33/-13.13	-11.17/-11.53	-13.45/-10.69	-7.4/-7.13	-8.18/-9.27	-10.65/-12.08	-11.55/-9.05	
Θ(150°)	-7.84/-8.74	-11.44/-14.73	-15.41/-14.98	-15.04/-15.26	-14.61/-14.3	-10.25/-7.53	-6.01/-6.08	-7.68/-9.8	-11.21/-10.29	-8.6/-8.37	-9.32/-10.98	-12.61/-10.28	-9.92/-10.11	-11.78/-12.37	-12.41/-11.86	-10.11/-8.04	-9.93/-12.08	-12.78/-13.84	-12.06/-11.69	-10.84/-10.16	-9.96/-10.14	-10.74/-10.66	-8.93/-7.67	
Θ(157.5°)	-6.7/-7.81	-9.47/-11.93	-14.71/-13.99	-14.06/-13.22	-11.12/-8.29	-6.29/-5.17	-4.75/-5.43	-6.74/-8.52	-10.57/-11.14	-11.22/-12.17	-14.99/-15.29	-12.78/-9.72	-9.16/-9.54	-10.11/-10.67	-11.43/-12.78	-12.84/-12.03	-12.44/-12.72	-13.91/-15.59	-14.44/-14.54	-14.89/-15.53	-14.54/-13.64	-12.2/-10.26	-9.04/-8.13	-7.19/-6.56
Θ(165°)	-6.27/-6.61	-7.3/-8.38	-9.83/-11.01	-10.73/-8.8	-6.71/-5.37	-4.57/-4.35	-4.38/-4.71	-9.15/-11.89	-13.75/-14.55	-12.29/-11.64	-9.53/-8.48	-13.87/-13.56	-12.84/-13	-13.87/-13.56	-12.84/-13	-13.46/-13.8	-14.4/-13.99	-12.89/-13.38	-13.06/-11.98	-10.69/-9.53	-8.41/-7.68	-7.08/-6.41		
Θ(172.5°)	-6.76/-7.03	-7.25/-7.54	-7.77/-7.99	-8.02/-7.43	-6.43/-5.66	-5.03/-4.65	-4.12/-4.02	-4.74/-5.75	-7.27/-8.14	-8.05/-7.36	-7/-7.06	-7.22/-7.21	-7.08/-7.24	-7.95/-8.91	-9.81/-10.08	-9.55/-9.33	-9.66/-10.28	-10.46/-9.45	-8.91/-8.69	-8.58/-8.7	-8.39/-7.89	-7.37/-7.12	-7.23/-7.42	-7.33/-6.87
Θ(180°)	-5.97/-6.37	-6.54/-6.42	-6.47/-6.91	-7.71/-8.54	-8.51/-7.6	-6.39/-5.55	-4.82/-5	-6.11/-6.82	-6.57/-5.66	-5.19/-5.48	-6.15/-6.81	-6.99/-6.99	-7.09/-7.37	-7.72/-7.95	-7.66/-6.85	-6.28/-6.65	-8.07/-8.79	-8.01/-6.66	-6.31/-6.24	-5.6/-5.06	-4.63/-4.53	-4.51/-4.59	-4.83/-5.27	-5.66/-5.71
Freq(Hz)	2.45G/Pol.	ThetaH	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
DG(dB)	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°)	-3.1/-2.55	-2.09/-1.79	-1.78/-1.85	-1.67/-1.36	-1.12/-0.98	-0.89/-1.07	-1.53/-3.34	-3.31/-3.91	-4.37/-5.19	-5.96/-6.35	-5.95/-5.21	-4.46/-3.86	-3.46/-3.17	-2.85/-2.43	-2/-1.85	-1.96/-2.04	-1.82/-1.3	-0.9/-0.88	-1.26/-1.8	-2.45/-3.32	-4.43/-5.38	-5.8/-5.44	-4.94/-4.45	-4.07/-3.62
Θ(7.5°)	-5.29/-4.51	-4.16/-3.81	-3.21/-2.71	-2.5/-2.29	-1.96/-1.53	-1.26/-1.36	-1.79/-2.51	-3.28/-3.53	-3.57/-3.83	-4.31/-4.75	-4.78/-4.48	-3.89/-3.38	-2.48/-2.14	-1.98/-1.82	-1.64/-1.59	-1.81/-2.13	-2.3/-2.17	-1.99/-2.28	-3.04/-3.89	-4.74/-5.81	-6.22/-6.6	-6.07/-5.58	-5.29/-5.19	-5.15/-5.18
Θ(15°)	-0.62/-0.2	-0.03/-0.05	-0.32/-0.26	-1.93/-2.86	-3.25/-3.01	-2.66/-2.61	-0.08/-4.2	-5.85/-5.93	-4.41/-3.34	-2.07/-2.5	-2.27/-2.47	-2.44/-2.31	-2.26/-2.22	-2.76/-3.37	-2.87/-3.42	-3.94/-4.05	-3.96/-4.6	-5.86/-6.73	-6.63/-6.32	-5.99/-5.14	-4.4/-4.04	-3.8/-3.3	-2.42/-1.39	
Θ(22.5°)	2.27/2.9	3.16/2.99	2.31/1.09	-0.48/-1.89	-2.3/-1.71	-0.9/-0.53	-0.88/-2.05	-4.29/-6.69	-5.99/-3.31	-1.31/-0.08	0.72/1.01	0.790.16	-0.59/-1.31	-1.73/-1.85	-1.99/-2.51	-3.6/-4.75	-5.47/-5.36	-5.15/-5.75	-6.56/-6.88	-6.17/-5.33	-4.39/-3.58	-2.86/-2.42	-1.8/-0.89	0.28/1.35
Θ(30°)	2.57/3.35	3.75/3.61	2.83/1.57	0.36/-0.43	-0.55/0.23	1.34/2.09	2.14/1.49	0.23/-1.48	-3.77/-4.2	-1.55/0.9	2.21/2.67	2.61/2.12	1.19/-0.02	-1.06/-1.32	-1.24/-1.7	-3.23/-5.45	-7.33/-7.78	-7.87/-8.32	-8.3/-7.76	-6.85/-5.81	-4.59/-3.38	-2.49/-1.98	-1.36/-0.49	0.51/1.56
Θ(37.5°)	2.39/3.03	3.36/3.16	2.28/1.29	1.01/0.99	0.81/0.97	1.75/2.6	2.86/2.5	1.79/1.1	-0.15/-2.2	-2.09/0.83	2.67/3.14	2.91/2.35	1.46/0.1	-1.11/-1.43	-1.24/-1.56	-3.4/-0.56	-6.89/-7.43	-7.05/-6.6	-6.29/-5.92	-5.63/-5.36	-4.88/-3.9	-3.03/-2.68	-1.89/-0.68	0.57/1.55
Θ(45°)	3.89/4.24	4.14/3.58	2.25/1	1.21/1.63																				



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Freq(Hz)	5.2G	5.3G	5.6G	5.785G
Ant. 1 Max Gain (dBi)	1.39	1.71	3.09	3.45
Ant. 4 Max Gain (dBi)	1.47	1.36	2.39	2.26
Ant. 1 Polarization/ $\theta(^{\circ})/\Phi(^{\circ})$	Theta/52.5/60	Theta/67.5/45	Theta/60/45	Theta/60/45
Ant. 4 Polarization/ $\theta(^{\circ})/\Phi(^{\circ})$	Theta/82.5/45	Theta/82.5/255	Theta/82.5/247.5	Theta/52.5/345
Max Gain (dBi)	1.47	1.71	3.09	3.45
DG [1SS] (dBi)	2.85	2.93	5.09	5.42
DG [2SS] (dBi)	1.47	1.71	3.09	3.45

DG 1SS Result

[illegible]



Radiated Composite Gain Data_Radio 1 (2TX)

Appendix A.3

Θ(22.5°)	-6.9/-7.85	-7.3/-7.12	-7.18/-7.59	-7.95/-8.76	-11.38/-9.52	-5.35/-4.91	-8.11/-13.59	-9.7/-7.77	-8/-8.45	-8.73/-10.52	-9/-6.46	-5.94/-7.61	-10.15/-12.38	-12.18/-9.84	-8.17/-7.91	-7.61/-7.87	-9.38/-11.92	-10.68/-9.45	-9.88/-12.45	-13.13/-12.03	-12.3/-12.49	-12.03/-10.37	-9.25/-7.89	-6.38/-5.98
Θ(30°)	-10.36/-12.08	-8.42/-7.41	-9.6/-11.26	-9.92/-6.81	-10.7/-12.73	-10.03/-9.23	-11.17/-11.65	-10.6/-7.28	-10.06/-11.74	-8.31/-9.18	-7.7/-6.24	-6.87/-8.43	-11.55/-14.39	-14.8/-13.51	-11.47/-10.71	-9.95/-9.25	-7.71/-10.41	-11.75/-9.77	-11.07/-14.37	-11.25/-10.23	-10.32/-10.1	-9.32/-10.45	-11.16/-12.68	-9.72/-8.15
Θ(142.5°)	-12.88/-10.2	-14.76/-9.36	-11.2/-10.23	-12.34/-9.73	-12.65/-13.47	-9/-7.44	-8.7/-9.77	-12.16/-9.29	-8.22/-10.65	-8.58/-8.11	-8.73/-8.69	-5.34/-6.14	-9.94/-10.2	-9.22/-11.23	-10.31/-8.34	-7.79/-10.26	-8.69/-7.99	-14.19/-12.28	-10.02/-13.87	-12.17/-8.68	-9.01/-12.1	-13.05/-14.69	-10.31/-11.14	
Θ(45°)	-14.04/-11.39	-11.31/-10.28	-15.06/-10.53	-14.94/-11.84	-8.9/-10.42	-7.72/-6.33	-5.65/-7.7	-9.28/-12.32	-14.24/-13.51	-8.9/-10.01	-10.23/-9.19	-8.05/-8.1	-8.23/-11.86	-9.05/-10.41	-11.95/-13.03	-9.12/-8.96	-11.32/-10.31	-11.14/-13.08	-13.21/-11.21	-11.04/-10.5	-9.16/-10.42	-10.13/-9.02	-10.73/-14.99	-12.25/-15.99
Θ(52.5°)	-13.92/-12.88	-10.94/-13.14	-13/-13.31	-10.91/-16.03	-10.53/-10.96	-8.41/-11.15	-8.06/-8.5	-10.65/-10.93	-12.77/-10.3	-11.9/-15.05	-11.6/-9.45	-8.49/-9.01	-8.83/-9.84	-10.15/-11.88	-12.07/-15.5	-14.7/-10.46	-9.24/-12.98	-12.12/-12.42	-15.78/-9.48	-8.91/-7.82	-7.66/-11.34	-10.65/-9.58	-11.89/-15.13	-15.23/-15.64
Θ(60°)	-9.45/-11.44	-14.02/-14.98	-11.29/-12.84	-8.45/-10.06	-9.95/-13.18	-9.03/-11.09	-11.53/-12.02	-10.21/-8.68	-11.14/-13.88	-9.47/-10.18	-8.07/-13.21	-6.95/-5.91	-7.16/-8.16	-7.58/-9.98	-14.11/-15.51	-11.8/-14.9	-11.31/-12.36	-15.2/-11.7	-14.62/-10.28	-9.53/-6.76	-7.38/-7.97	-7.7/-9.94	-15.71/-12.25	-11.95/-9.35
Θ(67.5°)	-7.52/-6.22	-12.38/-15.26	-10.93/-9.85	-10.52/-9.16	-10.49/-9.5	-13.58/-12.01	-11.37/-15.85	-12.76/-12.49	-6.77/-12	-8.14/-10.7	-10.7/-9.64	-6.86/-6.38	-5.78/-5.92	-6.16/-10.16	-15.2/-15.99	-9.22/-12.54	-12.15/-14.6	-13.2/-13.91	-14.16/-13.5	-14.01/-6.55	-9.38/-7.37	-8.04/-9.6	-12.47/-8.74	-9.55/-5.1
Θ(75°)	-6.83/-5.23	-9.11/-11.64	-13.56/-9.9	-12.03/-8.75	-10.9/-10.62	-15.65/-13.11	-12.54/-13.4	-15.04/-11.01	-7.38/-10.78	-11.31/-12.68	-15.63/-10.49	-8.8/-4.93	-6.31/-3.88	-6.48/-8.93	-11.94/-15.63	-13.05/-12.38	-13.23/-15.07	-13.91/-11.82	-13.62/-15.99	-15.03/-7.72	-9.46/-11.65	-15.8/-6.72	-7.44/-4.31	
Θ(82.5°)	-6.08/-4.96	-7.24/-11.74	-15.32/-11.44	-11.34/-6.86	-11.54/-11.31	-12.09/-14.55	-14.88/-10.11	-14.3/-10.58	-7.66/-9.79	-11.24/-11.05	-13.28/-13.38	-9.27/-4.41	-5.59/-4.06	-6.05/-8.78	-10.98/-13.13	-13.24/-10.42	-14.11/-13.61	-10.94/-11.98	-13.07/-14.94	-14.87/-8.92	-11.48/-7.58	-10.19/-11.72	-11.12/-6.02	-6.36/-4.97
Θ(90°)	-6.45/-5.54	-6.13/-10.75	-15.81/-11.42	-9.8/-6.45	-9.88/-11.31	-11.75/-15.92	-14.83/-9.93	-11.41/-14.01	-10.06/-7.99	-12.27/-11.07	-10.81/-13.16	-7.93/-4.19	-7.98/-4.2	-5/-7.88	-12.13/-11.71	-14.24/-11.64	-12.97/-14.59	-12.04/-13.98	-12.21/-14.88	-15.05/-11.32	-11.84/-7.69	-10.3/-11.7	-9.58/-6.46	-5.83/-5.16
Θ(97.5°)	-8.29/-7.17	-6.42/-11.42	-15.53/-13.35	-9.05/-8.43	-11.55/-10.53	-10.15/-13.82	-15.39/-9.55	-11.23/-14.39	-11.76/-7.49	-13.02/-9.72	-10.18/-13.43	-7.78/-6.09	-7.78/-5.95	-5.84/-9.78	-11.91/-12.19	-13/-11.28	-15.67/-15.8	-13.92/-15.29	-13.06/-15.58	-15.99/-11.27	-12.37/-8.54	-11.1/-14.11	-9.75/-8.58	-7.78/-7.59
Θ(105°)	-10.18/-10.63	-7.33/-13.34	-13.63/-15.81	-9.12/-8.3	-9.71/-10.88	-12.58/-14.63	-14.94/-11.29	-11.13/-13.24	-12.05/-8.87	-13.07/-12.28	-11.81/-12.43	-8.01/-8.47	-9.91/-7.73	-8.67/-10.22	-12.5/-13.45	-13.33/-11.95	-15.79/-15.08	-14.87/-14.84	-13.56/-15.86	-16.01/-13.29	-14.27/-10.15	-12.52/-15.26	-11.5/-9.72	-7.75/-8.03
Θ(112.5°)	-11.1/-15.06	-10.45/-16.14	-12.93/-15.16	-11.41/-12.31	-8.73/-11.78	-13.07/-15.62	-13.73/-16.3	-13.52/-10.64	-13.6/-12.99	-12.52/-14.56	-11.58/-13.24	-11.01/-11.36	-10.9/-12.48	-10.88/-14.49	-12.99/-13.26	-15.48/-12.93	-12.65/-13.73	-14.7/-15.2	-15.92/-14.69	-13.55/-11.86	-12.33/-11.02	-13.57/-15.83	-12.09/-11.66	-10.28/-11.92
Θ(120°)	-12.24/-12.59	-13.6/-15.05	-11.67/-13.31	-12.67/-15.31	-9.97/-14.33	-10.76/-14.76	-10.44/-15.78	-12.69/-11.83	-11.1/-16.38	-11.56/-13.04	-10.22/-13.53	-13.41/-14.03	-15.56/-15.05	-14.6/-14.38	-15.67/-12.22	-12.68/-9.71	-14.72/-16.41	-15.87/-14.25	-12.82/-12	-12.27/-12.8	-12.15/-15.08	-15.64/-15.57	-13.18/-12.88	
Θ(127.5°)	-13.09/-10.83	-11.25/-15.54	-11.37/-14.46	-12.92/-13.49	-10.73/-13.08	-12.76/-12.16	-15.37/-13.22	-12.64/-15.44	-11.02/-14.81	-11.19/-13.94	-12.81/-14.61	-14.96/-14.24	-14.38/-14.4	-15.23/-15.26	-15.47/-13.8	-10.26/-13.97	-12.97/-12.41	-14.47/-14.65	-15.77/-14.07	-13.1/-15.04	-14.66/-14.82	-15.18/-13.37	-15.36/-12.19	-14.73/-13.08
Θ(135°)	-8.33/-12.7	-12.91/-15.88	-14.4/-12.48	-14.4/-12.3	-13.38/-12.42	-9.75/-15.56	-15.41/-13.7	-10.14/-15.6	-11.19/-8.94	-12.76/-12.39	-13.78/-10.99	-13.24/-15.45	-13.84/-12.52	-15.67/-16.05	-15.15/-12	-11.21/-12.93	-13.03/-15.23	-13.44/-12.93	-15.13/-15.72	-14.69/-15.39	-14.39/-14.34	-12.51/-11.36	-14.08/-12.12	-15.73/-13.98
Θ(142.5°)	-9.34/-13.02	-14.76/-13.22	-12.69/-11.9	-13.8/-9.54	-10.54/-13.99	-9.84/-13.06	-13.53/-10.66	-15.4/-8.92	-14.72/-13.14	-9.85/-11.61	-10.13/-12.76	-11.38/-11.72	-15.49/-15.34	-12.92/-12.14	-12.56/-11.81	-13.29/-15.51	-14.75/-15.98	-12.65/-13.15	-15.18/-14.28	-14.77/-12.08	-12.7/-13.62	-13.92/-15.11	-15.39/-11.41	-15.93/-11.26
Θ(150°)	-9.56/-11.29	-9.86/-13.89	-14.06/-13.7	-15.43/-15.44	-15.02/-14.99	-15.61/-14.3	-13.62/-16.15	-15.77/-13.26	-15.62/-11.28	-10.96/-15.68	-14.79/-15.71	-15.24/-12.49	-13.82/-16.47	-15.51/-15.67	-15.05/-16	-13.43/-10.93	-12.32/-14.53	-14.39/-15.68	-14.42/-14.4	-15.56/-11.58	-13.16/-15.68	-12.78/-15.29	-12.94/-13.07	-12.39/-9.24
Θ(157.5°)	-14.27/-14.74	-13.37/-15.23	-15.11/-13.14	-10.34/-13.89	-15.35/-12.65	-11.61/-13.98	-15.21/-14.95	-10.26/-9.8	-13.84/-15.61	-15.95/-15.09	-14.43/-15.03	-15.48/-14.97	-13.63/-14.92	-13.96/-14.95	-14.38/-15.64	-15.33/-15.01	-14.29/-14.63	-15.39/-13.66	-11.98/-12.93	-15.62/-14.28	-12.33/-13.72	-16.12/-15.23	-14.89/-14.93	-13.31/-11.55
Θ(165°)	-13.3/-11.58	-13.47/-15.44	-15.02/-15.2	-13.32/-11.91	-8.76/-7.38	-8.3/-11.48	-13.7/-12.6	-9.81/-10.57	-13.16/-15.69	-15.57/-15.48	-14.71/-14.68	-15.27/-15.41	-14.33/-15.14	-15.11/-14.19	-14.94/-16.17	-15.63/-12.82	-12.16/-13.4	-12.52/-10.26	-9.83/-11.9	-13.58/-14.56	-13.49/-13.96	-12.85/-14	-15.45/-15.35	-15.58/-14.94
Θ(172.5°)	-13.82/-14.48	-15.67/-15.74	-14.77/-13.03	-14.97/-15.63	-14.81/-15.69	-15.08/-14.52	-13.54/-13.18	-12.93/-13.7	-15.8/-15.32	-15.84/-15.66	-15.47/-15.14	-13.74/-14.43	-15.62/-15.75	-15.4/-15.41	-15.15/-15.34	-14.58/-13.3	-13.64/-13.93	-13.39/-11.89	-12.24/-13.4	-13.62/-13.49	-13.4/-14.31	-14.85/-15.29	-15.5/-15.59	-13.43/-12.4
Θ(180°)	-14.01/-13.23	-13.09/-12.02	-12.8/-15.57	-15.86/-15.17	-15.95/-14.67	-14.61/-14.28	-14.85/-14.86	-15.15/-16.12	-15.29/-15.16	-15.22/-15.41	-15.93/-16.03	-14.93/-14.93	-15.74/-15.26	-13.96/-14.54	-15.66/-14.45	-13.56/-14.61	-15.6/-15.28	-14.58/-15.38	-15.29/-14.9	-15.64/-15.58	-14.95/-15.31	-15.3/-15.56	-15.59/-15.68	-14.28/-14.45
Freq(Hz)	5.66Pol.	ThetaA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DC(0dB)	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°)	-10.48/-10.15	-10.57/-11.5	-12.57/-12.38	-12.46/-14.19	-15.13/-14.95	-14.79/-14.4	-13.75/-12.84	-11/-10.82	-11.23/-10.33	-9.48/-9.42	-10.26/-9.83	-9.38/-9.57	-9.98/-9.48	-8.77/-9.34	-9.8/-9.43	-8.74/-9.79	-9.77/-9.47	-9.44/-9.63	-9.81/-9.11	-8.86/-8.76	-9.08/-9.4	-8.68/-7.71	-8.32/-9.34	-10.19/-10.56
Θ(7.5°)	-10.1/-9.79	-9.36/-9.32	-9.13/-9.29	-8.55/-6.78	-7.12/-6.89	-6.41/-6.07	-6.08/-6.95	-6.65/-6.7	-7.81/-7.2	-7.2/-6.71	-6.61/-7.27	-7.89/-8.77	-10.08/-12.1	-11.35/-11.31	-13.41/-14.59	-13.87/-14.53	-15.09/-14.41	-14.15/-13.28	-11.11/-11.18	-10.08/-9.67	-9.83/-8.78	-9.46/-8.19	-8.53/-10.03	-10.04/-9.51
Θ(15°)	-8.41/-9.21	-9.18/-8.98	-9.61/-11.32	-9.83/-7.56	-5.46/-5.47	-4.42/-4.55	-4.79/-5.54	-6.17/-6.81	-5.55/-7.35	-8.12/-9.35	-8.44/-14.16	-12.73/-12.23	-11.73/-12.41	-11.22/-11.35	-11.31/-10.97	-11.64/-14.22	-14.25/-13.87	-13.35/-13.11	-13.91/-14.23	-12.59/-11.82	-9.78/-8.04	-7.72/-8.11	-8.27/-8.1	
Θ(22.5°)	-5.02/-5.4	-5.65/-5.04	-4.66/-5.52	-4.55/-2.5	-1.63/-2.3	-3.79/-3.45	-2.32/-2.33	-2.64/-2.38	-3.37/-4.88	-6.72/-7.95	-7.35/-7.43	-9.46/-10.95	-13.68/-15.98	-15.82/-14.4	-12.65/-12.11	-12.63/-12.49	-10.36/-8.8	-6.7/-5.76	-4.77/-4.93	-6.24/-8.9	-11.67/-11.84	-8.85/-7.29	-7.52/-8.08	-7.74/-6.2
Θ(30°)	-1.74/-2.78	-3.05/-1.88	-0.070.13	-0.271.05	1.28/-0.45	-2.21/-2.63	-1.62/-1.43	-2.02/-2.71	-3.55/-1.82	-2.1/-4.86	-6.59/-8.1	-11.3/-11.22	-11.38/-11.94	-10.71/-10.16	-9.76/-8.84	-6.57/-4.88	-4.03/-5.38	-2.55/-2.23	-2.29/-2.71	-2.08/-1.53	-2.14/-4.73	-8.06/-4.72	-5.64/-4.07	-2.8/-1.6
Θ(37.5°)	-1.08/-0.75	-0.04/-0.47	0.082.1	1.14/-0.69	-0.750.69	0.28/-3.1	-2.58/-2.14	-2.24/-0.67	-0.93/-0.07	-0.79/-1.68	-2.78/-4.3	-3.9/-5	-6.12/-7.72	-6.25/-7.86	-9.14/-7.31	-5.02/-4.8	-4.16/-3.11	-1.81/-1.9	-1.86/-0.87	-0.70.01	0.34/-1.48	-3.2/-1.53	-0.23/-0.46	-0.65/-0.67
Θ(45°)	0.941.34	0.9/-0.81	2.73/-0.4	1.371.04	1.761.37	-0.25/-1.94	-0.74/-0.99	-1.64/-0.34	-0.08/-0.36	-1.460.83	1.16/-1.4	-2.56/-3.42	-5.99/-6.14	-3.47/-2.8	-3.22/-3.71	-3.03/-3.57	-2.83/-0.99	0.38/-1.4	-1.250.76	1.450.84	0.550.52	1.41/-1.74	1.951.09	0.840.25
Θ(52.5°)	2.3712	0.552.38	2.452.65	3.04/-0.65	3.5/-5.8	1.23/-0.71	0.52/-0.81	-0.610.21	2.262.06	-0.732.15	0.910.72	0.021.21	-0.71/-3.18	-2.19/-2.29	0.661.45	0.61/-0.25	-1.06/-0.22	-1.71/-1.15	-0.43/-0.43	0.911.18	1.142/-11	2.872.07	2.73/-44	3.932.68
Θ(60°)	2.422.43	1.91/-64	1.623.52	5.093.02	1.580.12	-0.11/-2.95	-2.92/-3.65	-1.54/-1.92	1.272.12	1.983.09	0.350.81	0.081.38	0.18/-2.47	0.14/-0.04	1.1330.82	0.74/-2.25	-0.860.57	-0.361.14	1.742.22	1.531.35	1.332.33	2.71/-72	2.282.96	2.823.19
Θ(67.5°)	0.141.87	2.462.36	1.662.93	4.51/-98	-0.26/-1.79	-2.69/-6.09	-10.36/-6.89	-3.04/-3.87	-0.3/-0.26	1.862.13														

Gain Result

Phi(Hz)	5.2G/PdL	Phi(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°)	-6.82/-6.36	-5.65/-5.84	-6.58/-6.98	-7.23/-7.8	-8.74/-10.04	-11.52/-13.32	-16.32/-17.57	-17.64/-17.96	-18.2/-18.83	-14.42/-11.87	-10.79/-10	-9.75/-9.55	-8.12/-6.91	-6.86/-6.96	-7.14/-7.55	-8.49/-6.69	-10.66/-12.06	-12.28/-12.53	-14.42/-18.26	-18.36/-18.25	-18.83/-17.97	-16.42/-13.77	-11.01/-9.77	-9.05/-8.39
Θ(7.5°)	-6.43/-6.19	-6.67/-6.82	-7.2/-6.61	-7.96/-6.51	-9.36/-10.29	-11.07/-11.87	-12.97/-14.97	-19.22/-18.79	-19.14/-15.99	-17.82/-13.93	-14.32/-12.88	-10.22/-8.85	-7.92/-6.95	-6.74/-6.91	-7.33/-6.74	-8.71/-9.9	-11.75/-13.36	-15.44/-16.37	-18.3/-18.8	-18.88/-18.17	-17.86/-15.52	-13.34/-11.09	-9.62/-9.78	-9.4/-8.74
Θ(15°)	-7.64/-6.82	-6.87/-6.28	-5.87/-5.87	-6.11/-6.86	-7.62/-9.37	-11.83/-13.34	-18.86/-18.15	-19.3/-19.26	-14.31/-12	-11.6/-11.33	-10.50/-10.7	-8.78/-8.88	-10.23/-12.17	-14.69/-14.53	-14.48/-13.54	-13.78/-13.78	-13.25/-13.18	-14.98/-19.31	-18.01/-18.18	-17.98/-17.82	-15.21/-13.84	-12.34/-10.83	-9.55/-8.81	
Θ(22.5°)	-7.46/-7.18	-6.88/-6.82	-5.95/-6.42	-7.46/-6.89	-8.93/-9.3	-10.36/-14.1	-18.71/-16.65	-15.51/-18.46	-18.32/-12.94	-10.59/-11.23	-11.35/-10.18	-9.77/-9.55	-8.94/-9.5	-10.29/-12.27	-12.06/-11.72	-12.34/-15.56	-18.51/-17.54	-15.4/-15.86	-19.04/-18.88	-18.54/-17.96	-18.59/-18.91	-19.21/-17.79	-15.91/-13.91	-11.89/-14.2
Θ(30°)	-9.05/-7.01	-5.93/-5.69	-6.31/-7.3	-8.28/-13.12	-13.67/-10.61	-10.62/-12.94	-15.88/-12.34	-12.37/-15.27	-18.31/-19.23	-17.92/-12.3	-8.58/-7.64	-9.03/-11.01	-12.27/-12.64	-12.52/-13.02	-13.78/-12.17	-11.27/-13.83	-17.6/-18.89	-17.73/-14.13	-12.48/-14.71	-15.57/-12.55	-13.56/-14.74	-18.24/-17.85	-18.63/-14.19	-10.93/-14
Θ(37.5°)	-11.4/-8.3	-5.3/-6.2	-8.52/-9.3	-8.47/-10.05	-11.85/-11.78	-8.9/-7.83	-11.31/-9.59	-12.54/-17.99	-17.59/-18.13	-17.64/-9.4	-8.52/-10.2	-9.47/-14.57	-10.32/-10.15	-13.14/-12.77	-16.45/-13.77	-12.17/-17.85	-18.09/-12.55	-12.56/-18.68	-10.64/-7.94	-9.71/-12.34	-16.02/-19.04	-18.41/-18	-17.48/-14.7	
Θ(45°)	-6.16/-10.12	-9.54/-8.41	-7.78/-13.04	-16.11/-16.73	-13.7/-12.34	-11.22/-8.85	-9.41/-7.57	-9.83/-12.23	-11.91/-18.73	-16.83/-13.93	-10.14/-9.96	-12.63/-9.82	-8.88/-13.7	-12.26/-13.78	-12.89/-11.93	-16.9/-19.5	-13.12/-17.79	-15.75/-15.35	-19.17/-16.5	-10.48/-11.86	-12.16/-17.97	-8.91/-13.58	-14.92/-15.62	-18.59/-18.35
Θ(52.5°)	-18.86/-12.2	-9.36/-10.87	-7.65/-17.79	-18.76/-13.82	-16.44/-18.43	-16.63/-17.9	-11.1/-11.84	-10.42/-10.97	-18.41/-12.54	-14.63/-18.58	-11.62/-9.77	-8.64/-11.22	-13.78/-12.01	-14.82/-15.61	-19.01/-15.31	-14.68/-17.79	-15.46/-16.46	-17.04/-17.88	-16.87/-12.65	-10.26/-10.03	-6.65/-8.88	-7.64/-11.2	-14.69/-18.49	-17.6/-18.05
Θ(60°)	-18.96/-12.54	-8.31/-11.09	-13.02/-19.03	-11.8/-14.36	-18.31/-17.02	-12.72/-17.15	-15.24/-18.57	-16.29/-17.76	-15/-13.86	-19.18/-9.66	-8.66/-11.29	-11.6/-9.26	-14.05/-9.97	-14.9/-10.71	-13.8/-18.83	-18.49/-16.81	-14.72/-18.44	-13.82/-17.41	-13.51/-11.43	-7.52/-7.02	-6.47/-6.72	-7.6/-6.01	-13.79/-17.87	-18.5/-17.77
Θ(67.5°)	-19.12/-18.35	-11.99/-12.96	-17.52/-12.52	-8.91/-18.21	-17.69/-18.74	-12.59/-12.81	-13.3/-14.81	-18.77/-18.92	-10.34/-13.68	-18.54/-9.71	-8.98/-8	-9.66/-9.55	-11.16/-10.6	-14.09/-10.21	-19.19/-16.56	-18.83/-16.34	-11.91/-18.41	-15.02/-19.1	-16.63/-12.95	-9.57/-7.16	-7.42/-9.16	-6.67/-7.67	-17.47/-18.35	-18.71/-19.44
Θ(75°)	-17.97/-16.04	-15.41/-19.29	-13.67/-11.62	-10.15/-09	-14.15/-16.64	-13.35/-17.89	-14.7/-13.76	-19.14/-18.68	-8.57/-12.72	-17.55/-16.17	-17.75/-15.1	-7.66/-13.7	-11.96/-13.02	-15.1/-13.06	-18.16/-18.64	-18.85/-18.41	-12.1/-18.42	-17.91/-17.42	-17.22/-13.48	-7.96/-8.22	-7.95/-8.99	-7.1/-8.07	-12.78/-17.16	-17.71/-15.14
Θ(82.5°)	-13.55/-18.79	-17.72/-14.28	-13.01/-10.49	-13.96/-12.85	-10.77/-16.66	-17.73/-19.43	-12.52/-15.85	-17.38/-16.68	-11.85/-16.78	-14.67/-11.1	-13.67/-11.56	-6.81/-14.45	-11.91/-10.27	-13.95/-17.22	-18.83/-18.66	-19.04/-18.14	-11.42/-17.7	-19.04/-17.81	-16.51/-14.52	-8.18/-9.29	-9.18/-9.99	-8.15/-10.08	-14.86/-15.91	-16.01/-15.82
Θ(90°)	-15.37/-18.52	-17.77/-15.41	-13.76/-10.55	-13.99/-10.67	-13.72/-18.67	-17.07/-19.16	-18.22/-15.86	-14.33/-15.9	-15.53/-17.99	-16.82/-15.52	-11.26/-11.52	-7.53/-18.68	-10.44/-8.91	-12.55/-10.42	-13.74/-17.97	-18.86/-17.93	-15.1/-18.76	-18.66/-19.26	-17.84/-17.27	-11.10/-43	-9.55/-12.36	-10.5/-12.33	-16.86/-15.95	-12.92/-13.92
Θ(97.5°)	-12.81/-17.18	-18.49/-19.3	-13.3/-14.57	-14.96/-9.2	-10.75/-16.63	-17.58/-17.76	-17.48/-18.67	-18.42/-14.2	-18.86/-15.14	-16.71/-13.74	-10.37/-15.1	-9.58/-16.05	-9.72/-8.43	-11.25/-11.13	-12.44/-19.09	-18.89/-15.53	-18.56/-17.61	-19.17/-18	-17.51/-16.4	-14.43/-11.28	-10.24/-13.8	-11.51/-13.5	-17.23/-15.07	-13.16/-12.52
Θ(105°)	-12.41/-17.05	-17.38/-18.43	-14.86/-12.76	-18.27/-11.36	-9.93/-13.51	-14.89/-17.74	-16.73/-17.91	-18.43/-17.95	-17.89/-12.39	-18.98/-13.86	-9.67/-13.5	-12.02/-17.06	-9.03/-6.62	-12.72/-10.86	-12.85/-16	-17.57/-17.46	-18.18/-15	-18.5/-18.57	-18.84/-16.41	-10.48/-16.3	-10.91/-14.32	-11.29/-13.67	-17.16/-18.77	-12.85/-12.58
Θ(112.5°)	-14.91/-17.05	-19.36/-18.84	-18.07/-12.91	-18.69/-14.46	-10.91/-12.19	-11.46/-19.49	-16.82/-16.56	-18.29/-17.75	-16.22/-16.73	-16.98/-16.92	-13.6/-18.86	-15.11/-16.94	-10.92/-11.05	-14.44/-13.26	-14.24/-18.21	-17.86/-18.51	-18.73/-19.18	-18.61/-18.07	-19.71/-14.98	-12.54/-16.64	-12.9/-17.04	-12.2/-13.19	-18.14/-15.23	-10.68/-12.06
Θ(120°)	-13.92/-15.72	-18.89/-13.83	-18.64/-16.23	-18.14/-12.4	-13.57/-13.37	-13.37/-14.28	-15.75/-17.79	-12.76/-18.96	-15.75/-17.66	-14.59/-14.76	-12.07/-14.89	-18.55/-19.27	-15.8/-12.62	-15.19/-15.35	-19.02/-18.09	-18.79/-17.83	-17.5/-18.89	-18.15/-17.65	-18.47/-14.04	-13.77/-16.37	-15.18/-12.55	-18.22/-16.69	-17.53/-10.83	-14.38/-15.92
Θ(127.5°)	-11.87/-15.76	-17.99/-18.77	-19.09/-13.78	-18.61/-18.54	-16.73/-13.29	-16.19/-15.16	-16.58/-17.31	-12.49/-18.78	-16.05/-18.74	-17.71/-14.02	-9.76/-18.15	-18.09/-17.64	-18.34/-18.12	-18.24/-15.27	-18.34/-19.13	-18.85/-18.93	-17.35/-18.77	-17.83/-17.33	-18.65/-14.9	-17.95/-18.11	-18.68/-13.71	-14.9/-17.1	-18.23/-18.15	-16.44/-12.55
Θ(135°)	-13.3/-13.1	-14.84/-18.13	-17.1/-18.11	-18.21/-19.21	-15.48/-16.33	-14.79/-14.78	-12.73/-16.78	-13.25/-14.09	-19.4/-11.1	-15.9/-18.16	-18.61/-19.21	-18.87/-16.65	-16.37/-18.9	-18.71/-18.94	-12.43/-18.45	-17.18/-18.37	-17.19/-18.48	-17.94/-18.04	-17.77/-16.45	-10.65/-15.67	-18.78/-14.28	-14.33/-15.34	-18.06/-18.37	-18.63/-15.45
Θ(142.5°)	-11.95/-10.29	-16.44/-16.95	-18.28/-18.43	-17.74/-15.88	-13.06/-14.74	-11.56/-17.36	-12.08/-11.76	-13.83/-9.41	-18.48/-16.15	-16.91/-19.35	-17.71/-16.02	-15.9/-18.88	-17.82/-17.41	-18.56/-19.04	-19.18/-31	-17.85/-14.57	-16.12/-15.37	-17.88/-18.89	-18.16/-13.98	-17.62/-18.94	-17.95/-18.53	-16.18/-17.72	-18.5/-18.76	-14.95/-14.54
Θ(150°)	-16.72/-14.18	-16.54/-19.15	-17.22/-14.58	-17.36/-19.15	-13.29/-19.13	-15.64/-13.76	-9.76/-10.9	-18.86/-17.68	-17.85/-16.16	-18.27/-17.47	-19.06/-14.62	-18.06/-18.59	-18.16/-18.85	-18.49/-17.52	-17.64/-17.61	-18.98/-15.74	-17.15/-18.56	-17.4/-17.31	-18.4/-17.4	-17.87/-18.27	-17.83/-17.77	-18.21/-19.06	-18.32/-16.26	-14.51/-17.54
Θ(157.5°)	-17.77/-18.59	-18.58/-16.61	-16.98/-18.31	-17.56/-19.47	-18.12/-18.2	-17.95/-18.24	-17.43/-18.95	-17.12/-17.68	-18.08/-18.98	-18.16/-19.1	-18.11/-18.29	-18.49/-17.4	-18.34/-17.34	-16.46/-18.31	-18.29/-17.44	-17.3/-18.86	-18.26/-16.61	-15.15/-16.63	-19.75/-14.16	-14.05/-17.39	-17.25/-17.76	-18.99/-18.74	-19.41/-15.92	-13.45/-15.11
Θ(165°)	-19.46/-19.29	-16.66/-15.12	-13.34/-13.07	-12.27/-10.82	-10.39/-13.29	-15.61/-18.83	-18.72/-17.47	-17.29/-19.09	-18.29/-19.15	-18.6/-17.96	-17.44/-17.92	-19.22/-18.38	-18.59/-17.88	-18.99/-17.89	-17.46/-18.06	-18.19/-18.97	-19.01/-18.79	-17.44/-13.28	-12.68/-14.36	-16.47/-19.09	-18.17/-77	-18.28/-18.34	-17.5/-17.13	
Θ(172.5°)	-18.69/-17.66	-17.37/-15.77	-19.27/-16.44	-14.76/-15.09	-16.26/-16.25	-16.77/-16.94	-17.55/-18.06	-17.47/-18.4	-18.7/-17.86	-19.15/-18.21	-17.93/-17.52	-18.85/-17.9	-17.9/-18.65	-18.11/-18.34	-19.36/-18.97	-18.3/-18.92	-17.96/-18.7	-18.1/-18.69	-17.65/-17.82	-18.47/-19.01	-17.81/-18.61	-15.81/-17.58		
Θ(180°)	-18.68/-18.41	-18.27/-18.86	-18.27/-18.53	-19.21/-18.84	-17.66/-17.85	-18.98/-17.78	-18.57/-18.19	-18.32/-19.1	-18.32/-19.1	-18.95/-18.43	-17.84/-18.27	-16.68/-18.75	-19.02/-19.05	-17.19/-18.33	-18.84/-17.47	-18.68/-18.01	-17.79/-18.16	-18.64/-18.08	-19.08/-17.53	-18.01/-17.96	-18.21/-17.78	-17.72/-18.6	-19.05/-18.31	-17.95/-17.56
Freq(Hz)	5.2G/PdL	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°)	-11.35/-12.85	-16.37/-18.44	-17.41/-17.73	-18.5/-15.8	-13.94/-12.14	-10.8/-10.35	-9.68/-9.07	-8.81/-8.53	-8.45/-9.49	-10.81/-10.8	-11.43/-13.24	-14.61/-14.96	-17.21/-18.81	-18.84/-17.49	-15.03/-13.8	-11.73/-11.26	-10.6/-9.29	-7.54/-7.74	-7.52/-7.18	-6.11/-6.09	-6.45/-6.44	-6.71/-6.81	-7.95/-8.56	-9.4/-10.39
Θ(7.5°)	-12.62/-12.98	-10.67/-13.81	-13.67/-11.68	-10.49/-9.46	-9.02/-9.05	-6.49/-8.23	-7.94/-7.71	-7.05/-6.6	-6.45/-6.65	-7.05/-7.32	-7.06/-7.91	-8.93/-9.51	-10.45/-12.5	-13.39/-17.31	-18.19/-18.27	-18.6/-18.4	-17.31/-17.7	-15.48/-16.19	-17.48/-17.01	-15.44/-14.15	-12.86/-13.66	-14.46/-13.88	-13.02/-13	-12.95/-13.94
Θ(15°)	-14.71/-13.4	-12.86/-13.62	-8.25/-6.34	-5.23/-4.5	-4.15/-3.94	-3.91/-7.5	-3.75/-6.68	-3.53/-3.6	-4.03/-4.83	-5.73/-7.37	-8.88/-9.36	-9.8/-10.92	-12.95/-14.77	-17.42/-17.91	-18.24/-17.05	-15.18/-12.85	-11.75/-10.97	-10.59/-9.67	-10.28/-11.74	-12.99/-13.15	-13.56/-13.73	-14.08/-14.5	-14.69/-15.02	-14.66/-14.27
Θ(22.5°)	-6.6/-6.87	-7.26/-6.82	-5.14/-3.85	-3.1/-3.72	-4.72/-4.8	-4.25/-4.66	-5.48/-5.52	-4.75/-4.03	-4.05/-4.8	-5.26/-7.01	-7.9/-8.49	-8.61/-9.94	-10.83/-13.05	-14.79/-16.35	-15.58/-12.9	-10.15/-8.31	-8.42/-9.2	-11.47/-16.87	-17.81/-14.85	-11.34/-8.49	-7.47/-7.71	-8.31/-9	-9.31/-8.88	-7.54/-6.81
Θ(30°)	-6.26/-6.72	-5.33/-3.96	-4.53/-4.16	-2.18/-2.33	-3.65/-3.49	-3.21/-																		



Radiated Composite Gain Data_Radio 1 (2TX)

Appendix A.3

Θ(15°)	-8.47/-8.06	-9.69/-10.26	-8.38/-7.44	-7.64/-7.69	-7.8/-8.34	-9.0/-10.86	-13.89/-17.7	-18.92/-18.72	-18.15/-17.94	-16.13/-16.47	-11.82/-8.78	-8.52/-10.78	-13.45/-17.01	-18.77/-15.81	-17.08/-15.53	-13.26/-11.23	-10.34/-10.76	-12.52/-15.31	-19.32/-18.61	-17.99/-19.29	-18.58/-18.79	-17.5/-19.09	-14.51/-13.13	-11.75/-10.54
Θ(22°)	-8.36/-9.04	-7.74/-8.63	-5.86/-6.44	-7.07/-8.19	-11.23/-11.61	-7.84/-7.21	-9.69/-18.06	-16.47/-14.67	-18.01/-16.05	-12.86/-12.76	-11.12/-8.96	-7.65/-9.77	-15.62/-19.39	-19.25/-15.81	-14.54/-14.01	-13.27/-13.27	-14.71/-17.89	-17.33/-17.7	-18.4/-18.1	-14.4/-13.07	-14.04/-15.28	-17.06/-16.25	-14.34/-11.55	-8.75/-7.49
Θ(30°)	-12.24/-12.94	-9.27/-8.14	-9.07/-12.51	-12.09/-9.55	-13.59/-18.18	-16.57/-12.92	-13.92/-9.5	-14.94/-15.05	-10.59/-13.31	-16.32/-11.84	-17.82/-9.27	-7.62/-11.84	-17.98/-16.56	-18.83/-18.21	-17.76/-19.04	-14.82/-18.94	-19.08/-17.52	-18.47/-18.61	-13.91/-10.42	-10.49/-9.76	-11.81/-17.5	-18.8/-15.58	-13.09/-10.76	
Θ(37.5°)	-14.28/-13.79	-9.14/-9.04	-12.13/-16.73	-14.54/-11.9	-16.23/-15.37	-15.11/-12.85	-10.67/-18.9	-19.36/-12.44	-11.25/-17.86	-19.38/-9.54	-8.66/-8.59	-5.74/-7.8	-17.15/-18.11	-14.92/-18.51	-15.56/-13.54	-13.07/-17.79	-14.19/-11.89	-16.49/-18.33	-17.93/-16.13	-16.35/-18.82	-13.34/-9.71	-10.24/-12.88	-16.62/-19.22	-16.12/-16.58
Θ(45°)	-18.86/-14.32	-11.24/-11.3	-18.39/-12.84	-19.42/-14.45	-10.79/-14.52	-12.65/-12.08	-8.64/-9.77	-9.61/-18.79	-16.75/-15.16	-14.86/-12.41	-10.81/-9.51	-10.79/-12.86	-14.62/-18.07	-12.51/-16.49	-15.3/-18.27	-12.21/-11.82	-13.5/-15.9	-17.19/-19.87	-17.49/-15.65	-13.5/-10.27	-8.9/-10.68	-9.74/-8.68	-13.49/-18.87	-18.65/-18.97
Θ(52.5°)	-17.86/-14.21	-12.11/-15.88	-18.57/-18.95	-11.33/-18.98	-14.34/-15.56	-17.28/-14.16	-12.59/-1.96	-10.61/-11.04	-14.34/-9.52	-16.42/-11.8	-14.79/-17.86	-14.01/-9.21	-9.41/-10.72	-12.55/-18.19	-17.73/-18.6	-12.8/-17.8	-17.62/-13.19	-11.59/-18.76	-18.74/-19.77	-18.67/-13.59	-9.84/-8.49	-9.04/-11.39	-12.51/-17.41	-19.12/-18.52
Θ(60°)	-16.67/-18.92	-15.87/-18.5	-17.91/-18.14	-9.09/-10.8	-18.61/-15.99	-14.11/-13.28	-13.93/-13.17	-11.74/-8.28	-11.04/-16.06	-17.16/-9.9	-7.92/-14.72	-8.59/-8.72	-12.6/-14.43	-11.69/-17.32	-17.77/-18.87	-13.62/-17.83	-13.25/-15.52	-18.31/-18.6	-18.39/-13.11	-9.17/-8.35	-8.5/-7.19	-7.86/-11.19	-18.32/-17.45	-18.42/-16
Θ(67.5°)	-17.52/-17.84	-18.25/-18.02	-18.77/-12.96	-11.03/-11.6	-19.07/-9.99	-14.9/-15.17	-14.2/-19.2	-17.74/-18.3	-5.55/-14.58	-13.96/-10.68	-10.75/-10.52	-9.97/-11.47	-9.12/-7.74	-8.58/-13.25	-17.97/-18.85	-9.67/-13.68	-18.45/-16.84	-19.22/-17.17	-17.71/-19.69	-15.89/-7.55	-8.65/-7.93	-9.7/-12.66	-16.57/-14.52	-18.29/-12.12
Θ(75°)	-16.53/-17.77	-18.75/-17.42	-18.27/-11.42	-12.68/-13.92	-13.65/-11.76	-18.04/-14.44	-19.01/-14.95	-18.06/-18.14	-6.89/-15.98	-16.63/-17.14	-18.35/-11.23	-7.48/-6.05	-7.02/-4.51	-8.11/-9.54	-12.98/-18.38	-15.66/-13.06	-17.78/-17.98	-18.07/-15.15	-18.5/-18.66	-17.5/-8.79	-10.38/-7.64	-9.54/-11.87	-19.47/-12.7	-18.3/-14.08
Θ(82.5°)	-15.29/-17.54	-18.33/-17.8	-19.18/-14.49	-12.04/-12.07	-11.62/-12.01	-17.22/-17.48	-17.95/-11.7	-18.27/-18.78	-7.12/-13.85	-15.4/-14.6	-14.1/-14.82	-10.09/-4.03	-5.39/-4.14	-7.19/-9.04	-11.45/-13.69	-18.98/-13.61	-17.61/-16.56	-14.43/-16.14	-18.4/-17.83	-18.11/-10.65	-11.63/-8.27	-10.24/-12.4	-18.43/-11.85	-14.95/-16.22
Θ(90°)	-15.49/-17.58	-18.18/-17.31	-18.51/-16.69	-10.25/-10.17	-9.46/-13.63	-16.21/-18.91	-17.63/-11.69	-14.14/-18.78	-12.73/-10.8	-16.39/-12.68	-10.58/-14.22	-7.31/-2.84	-7.43/-4.72	-6.22/-9	-12.34/-12.64	-16.83/-18.85	-14.09/-18.92	-14.77/-17.44	-18.49/-19.43	-17.14/-11.64	-12.44/-8.47	-9.96/-12.53	-19.14/-13.19	-14.17/-15.9
Θ(97.5°)	-17.5/-17.57	-18.96/-14.87	-18.37/-14.81	-9.46/-12.68	-11.56/-11.23	-11.91/-18.38	-18.64/-11.95	-13.65/-17.08	-18.06/-9.34	-18.96/-9.54	-10.29/-15.55	-6.97/-4.61	-7.88/-5.84	-6.17/-10.19	-12.42/-16.91	-18.36/-17.43	-18.69/-18.03	-17.67/-18.18	-17.22/-18.13	-19.45/-11.25	-13.7/-9.5	-11.16/-15.51	-17.05/-14.76	-15.69/-16.97
Θ(105°)	-19/-18.03	-17.91/-18.07	-17.92/-18.38	-10.38/-12.1	-12.5/-10.89	-14.81/-17.31	-17.74/-14.45	-13.25/-18.01	-15.66/-10.44	-18.98/-13.1	-12.08/-13.28	-6.84/-7.48	-9.84/-7.3	-8.65/-10.21	-13.45/-17.16	-18.34/-16.75	-18.7/-18.37	-17.32/-17.64	-17.7/-19.34	-18.88/-14.08	-16.18/-10.69	-13.19/-18.2	-18.93/-16.5	-13.92/-13.75
Θ(112.5°)	-15.81/-18.09	-17.63/-19.07	-18.87/-17.54	-13.46/-15.44	-13.59/-12.51	-14.19/-18.88	-16.18/-19.06	-18.11/-12.24	-15.21/-14.26	-14.95/-18.06	-12.07/-14.11	-11.78/-11.55	-10.76/-13.55	-11.43/-16.02	-13.79/-17.8	-19.25/-18.2	-18.04/-18.39	-19.43/-15.73	-14.84/-12.73	-14.68/-19.09	-18.16/-14.73	-13.67/-15.6	-18.16/-14.73	-13.67/-15.6
Θ(120°)	-13.43/-14.01	-18.05/-17.81	-18.79/-18.94	-13.56/-18.81	-16.89/-16.36	-11.31/-17.97	-11.51/-19.22	-18.53/-14.68	-11.68/-19.56	-14.22/-14.02	-10.27/-14.92	-14.75/-15.98	-18.49/-18.47	-15/-18.31	-17.94/-19.58	-18.51/-15.76	-15.53/-13.91	-18.07/-18.91	-18.55/-16.7	-13.64/-12.24	-13.81/-13.75	-14.64/-18.48	-18.61/-19.05	-14.05/-14.02
Θ(127.5°)	-14.22/-10.87	-14.37/-18.47	-18.52/-18.02	-13.96/-15.4	-18.93/-18.3	-13.69/-15.27	-18.1/-13.95	-13.37/-18.9	-10.75/-18.55	-14.63/-15.45	-13.69/-17.55	-17.14/-18.52	-18.91/-18.26	-18.46/-18.22	-18.55/-16.57	-18.85/-17.65	-18.01/-17.92	-17.43/-17.52	-19.38/-16.54	-13.96/-17.66	-17.73/-16.72	-18.26/-15.57	-17.96/-13.06	-17.85/-14.53
Θ(135°)	-9.55/-13.34	-17.58/-18.23	-16.9/-17.79	-16.27/-10.7	-16.48/-14.59	-14.32/-18.36	-17.88/-18.7	-11.48/-18.93	-12.61/-9.09	-13.73/-14.93	-12.77/-13.62	-13.73/-18.93	-18.07/-17.89	-18.27/-18.9	-18.18/-17.34	-16.48/-18.34	-15.37/-18.9	-19.21/-18.14	-19.25/-18.89	-16.97/-18.05	-19.02/-18.51	-13.23/-11.64	-18.32/-12.97	-18.69/-15.84
Θ(142.5°)	-8.5/-13.58	-16.54/-14.12	-17.55/-16.34	-13.32/-12.84	-14.84/-10.28	-14.17/-16.36	-16.82/-17.11	-16.41/-19.47	-17.81/-11.09	-18.3/-13.94	-14.76/-13.92	-16.61/-14.92	-18.01/-14.23	-18.39/-17.66	-18.77/-18.29	-17.91/-14.01	-14.43/-18.95	-19.17/-19.26	-16.32/-17.93	-17.99/-16.51	-17.65/-19.22	-14.91/-15.64	-17.53/-17.31	-18.9/-12.97
Θ(150°)	-10.56/-11.95	-14.98/-16.04	-17.54/-18.19	-19.26/-18.3	-18.13/-17.14	-18.81/-16.92	-17.79/-19.15	-18.48/-15.49	-19.08/-11.75	-14.45/-18.81	-18.35/-18.5	-17.67/-16.19	-18.42/-19.73	-18.31/-18.09	-17.67/-19.07	-15.79/-11.43	-13.16/-18.36	-16.71/-18.21	-17.92/-17.29	-18.09/-13.66	-15.48/-19.24	-18.96/-18.28	-18.29/-17.64	-13.1/-12.4
Θ(157.5°)	-16.11/-17.25	-14.76/-17.81	-18.1/-18.96	-15.8/-18.89	-18.27/-16.95	-13.65/-15.54	-17.83/-17.32	-10.08/-9.41	-15.89/-18.23	-19.32/-18.2	-18.95/-19.23	-18.16/-18.18	-18.63/-17.55	-15.47/-18.63	-17.62/-18.66	-18.33/-18.29	-18.82/-18.23	-18.97/-18.21	-17.71/-18.24	-18.38/-16.51	-16.36/-17.99	-19.15/-18.18	-17.57/-17.65	-14.91/-12.23
Θ(165°)	-14.22/-11.93	-14.21/-18.52	-17.56/-17.91	-14.56/-12.09	-9.78/-8.46	-8.92/-12.2	-15.84/-13.37	-10.66/-11.63	-15.3/-18.66	-18.09/-17.44	-17.52/-18.06	-18.18/-19.42	-17.44/-17.97	-17.38/-16.53	-18.53/-19.04	-18.42/-18.55	-18.82/-18.71	-15.53/-12.47	-12.21/-14.22	-16.47/-16.87	-15.56/-15.42	-14.07/-16.5	-18.41/-18.22	-17.56/-17.89
Θ(172.5°)	-16.52/-16.07	-19.32/-18.3	-17.94/-18.23	-18.53/-19.25	-18.79/-17.92	-17.58/-16.51	-15.71/-15.77	-17.52/-16.79	-19.32/-18.09	-18.83/-18.8	-18.45/-18.59	-18/-18.07	-18.02/-19.15	-17.55/-17.99	-18.64/-18.49	-18.82/-19.01	-18.88/-16.55	-14.89/-12.83	-14/-15.62	-15.57/-14.92	-15.33/-16.27	-17.12/-18.66	-18.51/-18.95	-17.19/-14.94
Θ(180°)	-15.69/-15.18	-14.26/-12.86	-14.16/-18.48	-18.99/-18.16	-19.02/-17.62	-17.09/-17.71	-18.32/-18.01	-18/-18.56	-17.96/-18.01	-18.53/-18.36	-18.86/-18.89	-18.07/-17.42	-18.29/-18.13	-16.12/-16.48	-18.34/-18.25	-17.74/-17.98	-17.89/-18.54	-18.28/-18.62	-18.31/-17.81	-18.79/-17.79	-17.5/-15.43	-18.43/-18.42	-18.79/-18.39	-16.37/-16.68
Freq(Hz)	5.6GPol	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°)	-18.51/-17.99	-18.19/-17.6	-18.11/-18.04	-17.96/-18.07	-18.61/-17.24	-16.82/-15.83	-15.22/-14.77	-15.15/-16.38	-16.11/-16.39	-14.76/-15.33	-14.68/-18.31	-18.16/-14.95	-17.67/-17.58	-18.71/-19.1	-19.64/-15.57	-17.02/-14.96	-13.5/-11.41	-10.31/-10.22	-9.68/-8.78	-8.8/-9.3	-9.95/-10.43	-10.37/-13.01	-11.76/-13.58	-15.27/-15.8
Θ(7.5°)	-16.7/-17.81	-17.87/-18.44	-17.93/-18.73	-16.41/-13.29	-10.59/-8.94	-7.65/-6.9	-6.48/-6.56	-6.37/-6.37	-6.58/-6.94	-7.18/-7.14	-7.33/-6.67	-9.99/-10.89	-12.97/-15.15	-15.1/-15.54	-16.96/-17.5	-19.97/-17.26	-19.13/-17.9	-18.77/-17.42	-16.89/-15.79	-16.25/-16.3	-14.91/-12.84	-13.71/-15.1	-15.64/-15.16	
Θ(15°)	-9.62/-10.51	-10.84/-11.18	-12.84/-14.73	-11.54/-8.22	-5.55/-4.12	-3.49/-3.58	-4.07/-4.76	-6.03/-6.89	-6.67/-6.83	-7.34/-7.84	-8.89/-10.66	-14.63/-17.78	-19.37/-18.15	-18.63/-18.72	-15.27/-14.69	-14.01/-13.7	-14.83/-18.71	-17.94/-16.73	-15.96/-15.62	-15.51/-15.86	-15.85/-17.04	-16.46/-14.25	-12.85/-12.04	-11/-9.68
Θ(22.5°)	-6.13/-6.67	-8.41/-7.98	-7.2/-7.51	-5.01/-2.61	-2.27/-3.79	-5.37/-4.68	-3.5/-3.23	-3.12/-3.24	-2.21/-3.14	-5.5/-7.51	-7.66/-7.19	-8.94/-11.6	-15.06/-18.57	-19.22/-16.66	-14.73/-13.02	-13.35/-15.51	-17.56/-17.21	-11.55/-10.11	-10.17/-13.3	-16.78/-17.87	-17.25/-12.69	-8.64/-7.59	-7.85/-8.09	-7.29/-6.51
Θ(30°)	-2.07/-2.39	-2.9/-2.89	-1.14/-1.23	-2.93/-1.22	-0.39/-2.09	-3.14/-2.79	-2.46/-3.18	-4.28/-3.58	-2.67/-3.04	-3.68/-5.15	-7.59/-11.09	-16.91/-18.12	-18.77/-18.08	-14.07/-13.97	-17.8/-17.88	-12.42/-9.6	-9.55/-10.94	-8.26/-6.59	-5.93/-7.14	-7.34/-6.32	-5.75/-6.77	-6.88/-9.07	-6.92/-4.16	-2.67/-2.21
Θ(37.5°)	-3.07/-3.47	-2.46/-2.25	-0.62/-6.3	-4.02/-2.67	-2.52/-1.6	-2.74/-6.85	-4.56/-2.88	-1.76/-0.82	-1.55/-1.61	-1.27/-4.66	-10.4/-10.38	-9.28/-11.5	-10.75/-18.08	-18.27/-18.25	-16.85/-18.58	-18.09/-17.37	-10.71/-6.76	-5.76/-5.9	-4.29/-3.29	-3.11/-2	-1.84/-3.57	-5.7/-5.39	-3.65/-2.25	-2.11/-2.8
Θ(45°)	-1.24/-2.15	-2.15/-0.91	0.190/0.7	-1.06/-1.52	-0.120/-2.1	-1.9/-3.92	-2.83/-2.89	-2.93/-1.99	-2.46/-2.81	-2.92/-2.29	-1.99/-4.19	-5.55/-7.38	-14.04/-15.63	-9.7/-6.94	-7.63/-9.85	-8.43/-11.49	-8.77/-3.85	-3.25/-6.89	-1.98/-0.72	-1.27/-0.73	-2.18/-2.62	-1.14/-0.81	-0.95/-0.55	-0.41/-0.64
Θ(52.5°)	-1.18/-2.13	-1.76/-1.98	0.89/-0.9	0.377/-1.7	1.940/-9.6	-0.46/-1.74	2.11/-2.12	4.1/-2.5	-0.73/-1.11															



Radiated Composite Gain Data_Radio 1 (2TX)

Appendix A.3

Θ(60°)	-8.2U-12.07	-19.23+14.55	-13.16+13.77	-14.05+12.17	-11.4+12.12	-13.7+1.71	-15.73+6.75	-17.39+9.41	-18.25+16.56	-16.73+17.58	-10.74+12.77	-9.3+8.35	-7.42+9.58	-14.5+16.01	-19.02+16.94	-16.19+17.53	-16.65+12.35	-13.11+13.22	-16.24+12.9	-18.94+13.06	-14.21+19.8	-12.46+14.94	-19.6+12.99	-14.77+8.69
Θ(67.5°)	-6.12+11.25	-18.49+14.19	-13.90+17.98	-16.52+8.26	-10.85+9.92	-18.57+6.97	-13.32+7.66	-19.74+8.86	-18.92+16.93	-12.89+17.26	-11.39+13.41	-10.33+8.04	-9.1+11.36	-14.77+13.16	-19.32+18.53	-18.46+15.68	-15.5+13.88	-14.74+9.13	-15.87+17.6	-16.9+11.39	-17.86+17.78	-10.87+15.21	-16.97+10.91	-11.17+8
Θ(75°)	-4.6+8.11	-10.46+16.99	-14.7+13.61	-19.2+8.3	-14.14+10.59	-14.16+8.4	-16.44+11.45	-18.95+14.46	-14.02+18.81	-15.27+15.94	-12.84+14.2	-10.61+8.16	-8.95+10.87	-18.72+16.32	-18.3+18.23	-15.64+18.3	-17.98+18.66	-18.83+10.09	-13.69+13.02	-14.63+11.74	-18.67+10.34	-10.28+18.62	-10.76+17.7	-8.33+5.98
Θ(82.5°)	-5.15+8.36	-7.13+14.44	-16.31+13.81	-18.57+9.54	-18.95+11.05	-11.97+11.62	-16.58+18.03	-17.91+17.46	-11.8+18.33	-18.43+16.45	-12.36+14.95	-10.97+9.99	-9.21+13.97	-18.23+16.11	-16.21+19.03	-16.38+18.98	-14.8+19.15	-18.87+9.11	-12.54+16.13	-12.84+12.99	-16.25+10.63	-13.35+18.42	-8.45+5.53	-8.47+5.5
Θ(90°)	-6.21+9.44	-6.2+14.36	-16.4+14.31	-17.97+10.35	-18.48+13.23	-14.12+16.03	-18.44+18.38	-17.6+18.42	-12.34+14.53	-18.86+16.65	-11.4+15.38	-12.2+9.92	-11.68+14.47	-17.94+19.25	-14.88+18.24	-12.86+18.12	-15.75+18.14	-19.1+12.17	-13.42+14.1	-14.41+15.73	-15.11+10.17	-12.05+14.32	-8.54+5.68	-8.14+5.39
Θ(97.5°)	-6.38+11.03	-6.96+15.33	-13.1+18.36	-14.85+11.7	-14.97+14.87	-16.18+18.19	-19.07+17.77	-18.94+14.46	-11.59+12.27	-18.14+96	-12.14+15.67	-11.63+11.88	-12.74+16.78	-18.69+17.99	-17.53+15.21	-13.93+15.63	-11.86+19.32	-16.26+15.05	-14.11+14.36	-15.44+16.77	-13.59+14.14	-13.59+11.69	-8.4+6.72	-10.3+5.21
Θ(105°)	-8.01+12.09	-10.6+18.61	-15.76+19.17	-14.2+15.58	-12.68+18.49	-18.79+18.48	-17.31+16.37	-12.95+16.38	-10.53+12.99	-18.61+13.87	-13.36+18.4	-16.22+14.2	-16.41+17.49	-17.74+18.7	-18.6+17.69	-14.5+19.07	-12.47+19.25	-18.24+17.54	-18.37+18.57	-14.98+14.73	-19.21+16.28	-18.48+14.08	-10.65+9.65	-11.94+6.81
Θ(112.5°)	-13.41+17.09	-12.8+18.88	-12.32+17.52	-15.16+19.52	-11.11+18.22	-18.24+17.51	-18.42+16.43	-12.63+16.08	-10.81+17.17	-18.26+12.58	-16.59+18.41	-15.23+16.91	-16.3+17.97	-17.36+17.43	-18.32+15.04	-12.96+15.88	-16.38+18.82	-17+17.84	-17.86+15.31	-17.69+19.22	-19.12+13.23	-18.06+17.99	-12.78+10.84	-16.45+10.9
Θ(120°)	-18.98+18.31	-14.93+17.8	-13.41+18.58	-17.61+18.52	-12.01+18.72	-17.69+15.93	-18.73+15.43	-13.02+14.9	-14.37+18.96	-17.1+12.08	-18.68+17.16	-14.62+18.28	-17.75+15.32	-18.7+19.07	-19.14+12.14	-13.12+19.95	-14.88+18.65	-18.39+18.15	-14.42+14.61	-16+19.64	-18.71+19.04	-14.31+18.15	-18.03+14.94	-17.5+16.62
Θ(127.5°)	-16.31+19.29	-15.28+18.5	-14.15+16.15	-17.68+12.35	-15.55+18.22	-18.96+13.67	-18.01+16.34	-17.05+18.06	-18.96+13.8	-15.86+13.57	-18.77+19.06	-16.04+17.86	-18.51+14.43	-18.43+18.33	-17.68+18.41	-15.46+12.09	-17.59+17.92	-17.46+18.4	-19.17+17.96	-18.16+18.67	-18.41+17.47	-18.06+15.48	-13.85+15.28	-17.91+17.87
Θ(135°)	-13.47+18.95	-16.55+17.85	-18.7+12.74	-19.14+15.38	-18.21+18.55	-16.37+18.29	-19.34+18.77	-17.96+18.1	-17.29+15.02	-15.92+17.17	-17.53+16.91	-17.18+15.77	-18.43+16.02	-18.3+18.23	-11.63+11	-12.15+13.73	-17.48+15.42	-17.45+18.21	-17.51+18.34	-19.16+17.25	-17.51+18.34	-13.89+18.5	-14.04+17.92	-18.49+17.72
Θ(142.5°)	-14.1+13.75	-19.05+14.04	-11.53+11.63	-17.88+16.28	-16.66+17.13	-14.02+13.04	-19.24+14.95	-14.83+14.61	-12.77+17.9	-18.96+17.06	-18.69+18.15	-18.97+17.71	-14.41+15.79	-18.1+17.85	-14.14+13.15	-12.33+13.83	-14.59+14.54	-17.63+14.81	-17.34+18.3	-13.23+14.97	-16.73+18.94	-18.43+17.82	-15.52+18.05	
Θ(150°)	-19.04+16.05	-13.96+17.69	-16.42+13.93	-18.7+17.32	-15.92+18.86	-17.39+13.71	-17.7+17.84	-18.31+17.33	-19.04+18.63	-17.74+18.81	-18.01+18.23	-17.88+19.78	-17.01+17.36	-18.81+19.62	-17.68+18.55	-17.28+17.81	-17.82+17.59	-16.1+11.77	-14.9+17.84	-15.78+17.22	-18.12+18.6	-17.9+19.03	-17.2+19.07	-14.52+18.04
Θ(155°)	-18.28+18.75	-18.03+17.61	-19.12+17.74	-18.37+17.5	-17.76+17.44	-18.24+18.14	-18.28+18.91	-17.27+18.64	-18.07+17.83	-19.11+18.9	-18.3+17.54	-19.19+18.03	-15.88+17.43	-17.87+19.01	-15.48+16.5	-18.35+17.27	-15.94+18.7	-18.37+17.59	-15.56+17.86	-18.73+18.83	-18.9+17.66	-17.95+19.33	-17.97+19.07	
Θ(167.5°)	-18.79+18.74	-18.13+17.74	-17.46+19.02	-18.55+18.7	-18.42+14.71	-13.97+16.86	-18.65+17.36	-18.34+17.24	-17.6+17.8	-17.74+18.29	-18.29+19.24	-14.2+16.49	-16.28+18.85	-17.77+17.46	-17.11+15.69	-14.13+15.69	-13.02+12.59	-17.19+18.16	-17.76+17.28	-19.18+16.3	-18.43+17.92	-19.18+15.84	-18.54+19.41	
Θ(172.5°)	-18.49+18.24	-17.72+18.13	-17.97+19.1	-18.97+17.49	-18.19+17.77	-18.4+18.84	-18.49+19.35	-18.15+17.01	-15.49+15.68	-16.5+18.62	-18.19+19.01	-18.65+17.59	-18.05+17.58	-19.9+17.42	-17.46+17.26	-18.31+18.08	-17.21+16	-16.22+17.58	-18.9+19.41	-19.06+18.84	-19.42+18.94	-17.49+17.93	-19.06+19.08	-19.19+18.72
Θ(180°)	-17.87+18.15	-19.02+17.92	-18.64+19.06	-17.34+18.59	-18.07+18.6	-19.14+17.67	-17.91+17.87	-18.03+16.65	-17.15+18.63	-18.57+18.78	-18.31+19.01	-18.21+17.96	-18.26+18.05	-18.94+17.45	-17.82+18	-17.81+17.54	-17.42+18.34	-18.11+18.12	-18.66+19.5	-18.05+17.91	-17.69+18.46	-18.37+18.02	-19.05+18.17	-19.13+17.29
Freq(Hz)	5.2GPol.	ThetaAnt. 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°)	-10.04+10.2	-9.26+8.67	-8.59+8.34	-8.15+8.37	-8.75+9.2	-9.64+11.16	-11.73+12.84	-13.03+13.42	-13.69+14	-13.81+15.72	-14.23+13.66	-13.28+12.97	-10.33+9.71	-9.54+9.84	-8.63+8.63	-7.8+7.27	-7.6+7.76	-7.5+7.92	-9.19+10.09	-10.96+11.89	-13.28+14.61	-14.09+14.06	-14.31+13.37	-11.52+9.54
Θ(7.5°)	-12.4+12.88	-12.74+11.44	-10.42+10.1	-9.68+9.18	-9.64+10.13	-11.25+12.19	-13.83+15.81	-15.51+15.25	-15.4+16.01	-16.55+15.48	-14.58+14.34	-14.73+14.77	-12.82+13.01	-13.43+13.11	-12.45+13.26	-13.15+13.41	-14.68+15.98	-15.71+15.54	-16.14+14.97	-15.16+14.84	-14.66+14.94	-14.44+14.1	-14.78+15.08	-12.49+10.61
Θ(15°)	-9.34+8.9	-9.25+10.28	-11.92+12.34	-11.97+11.27	-10.99+10.46	-10.09+9.73	-11.04+11.57	-11.41+11.52	-13.04+14.17	-15.94+17.26	-16.83+17.24	-17.6+15.59	-14.34+13.37	-11.93+11.01	-10.95+11.14	-11.09+9.6	-8.35+8.22	-8.37+8.31	-8.15+8.62	-8.4+7.89	-7.67+8.11	-8.46+9.02	-9.46+9.54	-9.26+8.85
Θ(22.5°)	-13.06+12.92	-12.65+12.37	-10.5+7.8	-6.17+5.73	-6.98+7.1	-10.36+11.32	-12.71+11.95	-10.69+8.66	-8.42+9.93	-13.22+15.63	-18.46+18.84	-17.81+12.77	-10.94+17.7	-7.82+6.39	-6.18+7.46	-8.45+9.49	-10.22+10.41	-11.16+12.05	-11.75+10.03	-9.17+10	-11.14+11.97	-12.57+10.55	-9.83+10.32	
Θ(30°)	-8.58+9.19	-11.01+10.79	-11.84+8.85	-5.56+3.85	-4.4+4.71	-4.69+3.54	-6.82+6.32	-4.95+5.11	-6.89+5.89	-9.62+7.2	-7.93+9.26	-10.34+11.51	-15.15+10.69	-14.14+9.95	-9.42+9.1	-8.96+8.77	-6.56+5.01	-5.15+4.56	-2.8+1.9	-2.73+5.45	-9.56+11.24	-10.26+9.29	-9.08+8.5	-7.61+7.38
Θ(37.5°)	-6.22+5.04	-5.12+5.47	-4.06+3.39	-4.26+4.74	-5.13+5.92	-5.37+5.71	-8.94+9.33	-6.65+7.33	-6.76+6.96	-6.2+6.09	-7.46+7.67	-11.94+14.77	-12.64+9.14	-8.36+7.22	-5.12+5.71	-7.44+6.02	-2.02+1.54	-3.55+4.75	-4.53+3.31	-2.21+3.21	-6.24+6.41	-5.38+4.61	-6.94+11.28	-9.02+6.96
Θ(45°)	-3.81+4.91	-2.85+7.59	-3.62+1.97	-3.42+4	-2.55+2.97	-5.92+7.51	-5.29+3.1	-3.07+3.33	-3.83+3.88	-6.61+7.56	-4.38+3.64	-6.02+6.31	-5.87+6.14	-6.93+7.41	-7.75+5.98	-4.45+3.55	-5.91+3.7	-2.85+4.32	-4.95+7.6	-5.61+4.62	-5.83+4.86	-4.28+3.28	-4.58+6.26	-6.22+6.26
Θ(52.5°)	-2.37+3.51	-4.06+7.95	-3.54+1.13	-0.99+1.89	-2.97+3.38	-3.14+4.09	-5.05+2.09	-2.89+1.96	-1.4+1.53	-5.05+3.93	-4.50+3.69	-5.81+6.52	-7.08+7.82	-4.69+3.47	-7.79+7.84	-4.41+3.28	-3.82+2.28	-1.9+3.5	-2.2+1.93	-3.93+4.64	-6.13+5.44	-5.54+4.88	-3.52+4.5	-3.32+3.14
Θ(60°)	-6.3+3.55	-2.29+3.87	-2.05+2.66	-1.5+0.95	-4.13+7.21	-6.15+5.83	-12.23+7.5	-7.71+4.6	-3.93+0.97	-1.31+3.57	-3.98+6.97	-5.35+7.05	-6.79+6.92	-5.19+3.54	-5.12+4.96	-6.32+5.94	-4.11+2.89	-1.3+3.17	-2.98+1.83	-3.98+3.51	-3.75+4.95	-7.07+4.87	-3.28+2.98	-4.47+4.92
Θ(67.5°)	-6.59+5.18	-4.89+3.63	-0.29+3.36	-2.9+2.07	-4.68+4.57	-11.07+10	-8.05+7.41	-5+5.11	-5.44+2.24	-2.32+2.67	-4.25+5.62	-5.47+7.73	-5.45+6.65	-5.03+4.31	-2.87+7.1	-3.54+6.96	-4.22+4.8	-1.13+1.59	-2.82+2.14	-3.6+2.97	-3.18+4.16	-6.31+5.09	-4.37+4.17	-2.85+5.51
Θ(75°)	-4.84+9.06	-10+6.3	0.01+2.04	-0.88+1.78	-4.69+4.34	-7.68+8.92	-3.93+4.43	-1.84+3.12	-4.62+2.68	-4.97+2.65	-4.09+6.75	-6.86+9.06	-7.08+8.6	-5.2+2.85	-2.3+0.85	-2.25+3.67	-4.5+4.71	-2+1.73	-0.85+2.21	-3.6+4.28	-2.52+2.5	-4.72+4.65	-3.84+3.34	-1.29+3.93
Θ(82.5°)	-3.27+4.56	-4.44+2.24	-0.89+0.87	-1.47+2.71	-3.17+5.57	-6.14+7.13	-3.76+3.8	-1.88+3.23	-4.39+3.54	-5.68+3.49	-5.28+7.54	-7.89+10.95	-9.4+9.04	-5.17+3.64	-3.05+2.04	-4.27+8.37	-5.25+3.71	-0.95+2.12	-4.49+2.37	-3.91+5.39	-2.82+1.94	-4.81+3.87	-3.81+3.63	-2.39+3.89
Θ(90°)	-5.26+15.66	-12.15+12.96	-2.32+9.96	-1.14+4.54	-8.29+4.7	-8.1+6.96	-4.81+5.09	-2.98+4.12	-4.98+4.15	-8.41+5.18	-4.95+7.49	-10.74+11.11	-11.44+11.11	-6.67+4.34	-4.1+4.31	-5.08+8.6	-8.2+4.66	-2.32+4.61	-1.49+3.81	-3.78+6.15	-4.03+3.38	-5.23+4.5	-6.04+5.05	-5.08+4.93
Θ(97.5°)	-6.29+10.93	-13.8+13.37	-3.37+5.91	-3.21+6.88	-13.99+14.16	-10.54+8.04	-7.07+6.31	-4.57+6.55	-8.25+6.1	-7.74+6.36	-6.41+10.7	-11.81+10.7	-13.54+12.28	-7.65+6.1	-4.9+4.93	-7.32+13.13	-9.92+6.2	-4.22+6.32	-3.57+8.35	-6.14+6.64	-5.5+5.89	-9.19+6.52	-8.63+10.43	-9.94+6.07
Θ(105°)	-8.57+17.93	-18.52+16.77</																						



Radiated Composite Gain Data_Radio 1 (2TX)

Appendix A.3

Θ (105°)	-9.74/-10.74	-6.36/-14.91	-15.52/-19.28	-14.32/-10.58	-12.94/-18.51	-16.44/-17.99	-18.16/-14.15	-15.13/-14.79	-14.5/-13.61	-13.91/-18.23	-18.86/-18.33	-19.4/-19.13	-17.75/-16.54	-16.36/-17.91	-18.22/-15.81	-14.71/-13.47	-18.91/-17.81	-18.47/-18.07	-15.57/-18.43	-19.17/-19.29	-18.54/-16.63	-18.73/-18.34	-11.6/-10.11	-8.45/-8.98
Θ (112.5°)	-11.2/-18.06	-10.65/-19.24	-13.75/-17.82	-15.51/-15.2	-10.21/-17.9	-18.49/-18.39	-17.33/-19.57	-15.19/-15.34	-18.27/-18.18	-18.16/-17.11	-18.17/-19.11	-17.04/-18.56	-18.92/-17.98	-17.34/-19.29	-18.98/-14.97	-17.79/-14.15	-13.79/-15.35	-17.2/-18.37	-18.46/-17.88	-18.7/-17.71	-18.16/-19.27	-19.01/-18.6	-12.84/-14.61	-12.92/-14.31
Θ (120°)	-17.55/-17.54	-15.38/-18.32	-12.38/-15.81	-18.48/-17.86	-10.3/-18.45	-17.24/-17.58	-15.94/-18.38	-13.57/-15	-17.51/-19.22	-14.93/-18.7	-17.75/-18.53	-18.5/-18.25	-18.66/-17.66	-18.73/-18.79	-17.3/-15.64	-18.95/-14.74	-15.85/-10.73	-17.4/-18.39	-19.22/-17.85	-18.77/-19.09	-17.05/-18.51	-15.71/-17.73	-18.7/-18.13	-19.03/-18.27
Θ (127.5°)	-18.5/-18.4	-14.15/-18.64	-11.59/-16.95	-18.47/-17.75	-10.51/-14.33	-18.5/-15.96	-18.67/-19.32	-18.76/-18.03	-19.36/-17.15	-13.8/-18.76	-18.64/-17.69	-18.89/-16.14	-16.1/-16.64	-18.02/-18.32	-18.41/-17.05	-9.9/-16.35	-14.33/-13.48	-17.54/-17.81	-18.22/-17.65	-18.98/-18.45	-17.62/-19.11	-18.12/-17.28	-18.81/-18.05	-17.63/-17.99
Θ (135°)	-13.59/-18.98	-14.52/-19.61	-17.96/-13.68	-18.72/-18.34	-16.3/-16.37	-11.44/-18.79	-18.99/-15.09	-15.21/-18.3	-16.14/-16.23	-18.34/-17.85	-19.43/-14.39	-19.82/-18.01	-15.78/-13.67	-19.11/-19.23	-18.15/-13.18	-11.32/-14.06	-16.77/-17.63	-14.36/-14.18	-17.15/-18.58	-18.49/-18.77	-16.04/-16.02	-18.61/-18.39	-15.67/-18	-18.9/-18.31
Θ (142.5°)	-19.43/-19.47	-19.2/-19.02	-12.32/-11.32	-18.98/-17.64	-19.35/-15.63	-12.98/-18.66	-10.14/-15.14	-16.37/-13.85	-19.06/-12.86	-17.19/-19.11	-13.62/-11.88	-19.17/-16.71	-11.85/-15.26	-18.62/-19.11	-13.79/-12.85	-13.79/-15.72	-19.23/-18.12	-16.55/-18.72	-15.04/-14.69	-18.5/-18.82	-17.91/-12.31	-18.09/-17.75	-16.36/-19.02	-17.92/-16.28
Θ (150°)	-15.2/-17.52	-11.18/-17.86	-16.63/-15.44	-17.7/-18.61	-17.94/-18.95	-18.44/-17.72	-15.61/-19.18	-17.7/-17.13	-18.2/-17.9	-13.52/-18.57	-17.29/-18.94	-18.87/-14.87	-15.48/-19.23	-18.74/-19.32	-18.46/-18.95	-17.15/-17.48	-18.22/-16.79	-18.14/-19.2	-18.97/-17.54	-19.08/-14.98	-16.91/-18.17	-17.67/-18.32	-14.13/-14.75	-18.53/-12.11
Θ (157.5°)	-18.64/-18.29	-18.38/-18.69	-18.13/-14.03	-11.44/-15.28	-18.46/-14.54	-15.71/-18.74	-18.63/-18.65	-18.38/-18.47	-17.93/-19.03	-18.61/-18.01	-16.15/-17	-18.84/-17.79	-15.02/-18.33	-18.78/-17.52	-17.16/-18.65	-18.35/-17.75	-16.01/-17.09	-17.87/-15.37	-12.92/-14.13	-18.88/-18.15	-14.43/-15.63	-19.12/-18.3	-18.24/-18.24	-18/-17.76
Θ (165°)	-19.07/-18.44	-19.56/-18.38	-18.52/-18.53	-18.55/-19.16	-14.36/-12.88	-14.63/-17.6	-17.68/-18.63	-15.71/-16.1	-17.14/-18.75	-19.1/-19.68	-17.92/-17.34	-18.39/-17.52	-17.25/-18.34	-18.94/-17.93	-17.4/-19.32	-18.87/-13.77	-12.61/-14.6	-15.53/-14.15	-13.52/-14.18	-16.71/-18.34	-17.56/-18.85	-18.17/-12.55	-18.51/-18.51	-19.75/-18.02
Θ (172.5°)	-17.15/-19.19	-18.08/-18.8	-17.63/-15.99	-17.47/-18.07	-16.95/-18.28	-18.64/-18.68	-17.49/-16.64	-16.16/-16.63	-18.33/-18.57	-18.88/-18.55	-18.52/-17.74	-15.65/-16.86	-19.29/-18.38	-18.88/-18.88	-17.7/-18.22	-16.51/-14.26	-14.88/-17.35	-18.24/-17.62	-16.72/-17.28	-17.83/-18.44	-17.85/-18.52	-18.66/-17.95	-18.52/-18.27	-15.75/-15.91
Θ (180°)	-18.6/-17.45	-18.45/-17.93	-17.85/-18.68	-18.76/-18.2	-18.91/-17.75	-18.18/-16.89	-17.42/-17.74	-18.32/-19.75	-18.66/-18.33	-17.94/-18.48	-19.02/-19.19	-17.81/-18.5	-19.24/-18.42	-18.92/-18.77	-19.01/-16.73	-15.54/-17.27	-19.3/-18.05	-16.95/-18.17	-18.3/-18.02	-18.52/-19.47	-18.45/-17.34	-18.19/-18.72	-18.41/-19	-18.31/-18.32
Freq(Hz)	5.6GPol.	Theta/Ant. 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°)	-10.33/-10.07	-10.59/-12.24	-13.62/-13.36	-13.54/-16.41	-17.69/-18.74	-18.9/-19.34	-18.63/-17.08	-13/-12.59	-12.7/-11.08	-10.7/-10.26	-10.03/-9.45	-8.95/-8.79	-9.97/-9.3	-7.97/-8.62	-9.03/-9.25	-9.9/-11.07	-12.11/-13.71	-15.29/-16.01	-17.78/-17.61	-16.67/-15.23	-14.94/-14.99	-13.24/-11.15	-10.93/-11.27	-11.53/-11.81
Θ (7.5°)	-10.58/-9.64	-9.03/-8.78	-8.66/-8.59	-8.46/-8.7	-9.72/-10.97	-11.64/-12	-12.84/-15.61	-15.02/-15.21	-19.42/-15.52	-14.92/-13.41	-12.75/-12.25	-11.91/-12.77	-13.22/-15.07	-13.68/-13.25	-15.91/-18.61	-17.87/-17.82	-17.18/-16.97	-15.81/-13.55	-10.4/-10.66	-10.56/-8.92	-10.17/-11.38	-11.06/-10.5		
Θ (15°)	-13.69/-14.36	-13.78/-12.69	-12.41/-13.95	-14.37/-13.8	-12.9/-13.43	-14.84/-15.13	-14.46/-15.41	-16.54/-14.29	-13.91/-16.41	-18.02/-17.39	-16.56/-18.06	-18.76/-16.6	-13.19/-13.07	-13.54/-13.03	-13.31/-14.05	-14.63/-14.27	-14.47/-15.96	-16.63/-17.03	-16.79/-16.66	-18.59/-18.88	-15.36/-13.07	-10.22/-8.72	-9.03/-10.28	-11.58/-12.85
Θ (22.5°)	-10.46/-9.22	-8.91/-8.13	-8.17/-9.69	-11.19/-9.88	-7.9/-7.16	-8.51/-8.69	-7.65/-8.12	-9.24/-10.13	-14.72/-19.2	-18.53/-17.2	-14.3/-15.7	-18.53/-17.2	-18.7/-19.43	-18.45/-18.23	-16.7/-17.9	-18.76/-15.5	-10.55/-8.5	-8.19/-16.7	-5.91/-4.65	-5.27/-8.13	-12.7/-13.8	-17.02/-14.27	-14.42/-15.71	-16.59/-13.15
Θ (30°)	-8.65/-11.47	-11.08/-7.5	-5.57/-4.92	-3.65/-2.78	-3.31/-5.09	-7.96/-9.91	-7.54/-5.92	-5.86/-8.57	-13.79/-7.1	-6.83/-11.86	-12.21/-12.41	-12.31/-11.55	-11.49/-12.65	-13.38/-12.43	-9.6/-8.32	-7.45/-6.47	-5.1/-3.69	-3.51/-4.07	-4.71/-4.5	-3.31/-3.07	-4.59/-4.84	-14.37/-10.55	-10.82/-11.5	-10.76/-7.93
Θ (37.5°)	-5.24/-4.07	-3.68/-4.91	-7.24/-6.98	-4.99/-4.87	-5.2/-3.11	-2.73/-5.42	-6.76/-8.24	-11.16/-7.96	-7.26/-4.86	-7.38/-4.73	-2.8/-5.05	-5.05/-5.71	-7.76/-6.81	-4.93/-6.94	-9.12/-6.16	-3.49/-3.37	-4.66/-5.53	-3.98/-4.03	-5.5/-4.51	-4.35/-4.12	-3.59/-5.53	-6.75/-3.77	-2.84/-4.9	-5.56/-4.65
Θ (45°)	-2.98/-1.21	-2.07/-1.48	-0.77/-0.91	-2.26/-2.45	-2.54/-3.99	-4.88/-6.11	-4.78/-5.27	-6.8/-4.96	-3.78/-3.96	-6.37/-2.07	-1.72/-4.64	-5.6/-5.57	-6.83/-4.58	-4.14/-4.81	-5.03/-4.42	-4.17/-3.46	-3.65/-4.15	-2.06/-2.48	-7.35/-4.1	-1.87/-3.91	-2.74/-2.37	-2.08/-1.76	-1.17/-3.56	-4.39/-5.18
Θ (52.5°)	-0.13/-0.01	-3.23/-4.37	-2.31/-0.15	-0.33/-1.26	-1.26/-2.08	-3.33/-6.29	-2.89/-5.93	-3.17/-3.12	-0.77/-0.79	-5.21/-1.72	-3.56/-6.09	-2.47/-1.87	-2.5/-2.69	-3.57/-2.85	0.59/-0.62	-1.7/-3.08	-0.92/-2.78	-3.84/-2.08	-4.87/-5.37	-3.23/-4.26	-1.78/-1.89	-1.59/-3.34	-1.22/-4.02	-0.02/-1.25
Θ (60°)	-1.32/-0.38	-0.76/-3.25	-2.30/-3.7	0.93/-0.53	-2.66/-6.07	-3.03/-7.05	-6.93/-9.9	-5.66/-6.99	-1.08/-1.02	-2/-0.47	-4.29/-0.54	-3.1/-4.23	-4.3/-4.01	-2.3/-1.28	0.18/-0.43	-0.72/-3.52	-1.48/-0.35	-2.27/-0.4	-2.18/-2.91	-3.3/-3.58	-1.82/-2.95	-2.08/-3.6	-0.91/-0.06	-0.89/-0.97
Θ (67.5°)	-6.93/-10.4	-0.95/-1.14	-0.78/-1.58	-0.03/-1.22	-3.36/-8.96	-6.24/-10.33	-16.77/-8.37	-6.76/-7.46	-2.65/-3.94	-1.24/-0.1	-2.68/-2.09	-2.01/-3.76	-4.01/-2.93	-3.86/-2.45	-1.52/-0.89	-0.01/-2.68	-3.46/-0.08	-0.76/-1.08	-2.3/-2.14	-3.82/-2.57	-1.59/-3.57	-2.22/-1.82	-1.62/-1.61	
Θ (75°)	-8.46/-3.68	-3.66/-1.6	0.38/-1.4	-0.22/-1.87	-3.55/-4.75	-12.76/-9.65	-10.41/-3.29	-3.79/-7.42	-3.51/-6.93	-2.29/-0.77	-1.5/-4.75	-1.64/-2.87	-3.13/-3.97	-4.42/-4.47	-1.47/-1.16	-0.82/-1.54	-4.63/-0.24	-1.15/-1.8	-2.26/-1.9	-4.16/-1.56	-1.86/-2.89	-1.15/-3.07	-2.98/-3.11	-0.21/-1.02
Θ (82.5°)	-6.16/-5.73	-6.62/-3.01	-0.34/-1.31	-0.81/-3.1	-4.77/-7.07	-10.25/-7.7	-7.44/-2.14	-3.81/-3.03	-4.1/-6.65	-4.05/-1.89	-1.5/-5.25	-2.02/-2.9	-3.52/-5	-4.65/-4.75	-1.11/-2.22	-2.83/-3.18	-0.72/-39	-1.72/-1.89	-2.8/-2.62	-5.02/-1.61	-2.94/-2.78	-0.75/-2.51	-2.68/-2.41	-0.01/-1.24
Θ (90°)	-6.54/-8.93	-1.85/-6.49	-1.56/-2.24	-1.49/-4.04	-8.62/-8.48	-10.06/-6.87	-7.71/-7.29	-5.05/-4.29	-6.05/-4.88	-5.01/-3.57	-1.72/-6.33	-3.79/-4.13	-3.61/-7.66	-5.23/-3.78	-1.57/-3.54	-5.18/-3.85	-7.12/-0.09	-1.81/-4.0	-2.71/-4.38	-7.83/-1.92	-4.61/-4.78	-1.9/-3.82	-4.36/-3.29	-1.14/-2.73
Θ (97.5°)	-8.43/-10.51	-13.55/-8.75	-3.09/-3.34	-2.9/-6.18	-12.96/-10.77	-11.6/-8.65	-9.65/-3.76	-7.15/-4.01	-6.88/-9.2	-6.38/-4.04	-3.59/-1.52	-4.71/-5.37	-1.98/-4.54	-5.88/-1.97	-3.35/-5.59	-6.97/-6.64	-9.23/-1.55	-3.55/-3.06	-4.97/-7.64	-10.79/-3.18	-7.67/-8.56	-4.25/-6.96	-9.04/-7.01	-4.82/-3.95
Θ (105°)	-7.87/-12.7	-14.2/-9.97	-4.34/-5.22	-4.18/-7.75	-15.68/-17.08	-18.7/-8.16	-11.81/-5.45	-12.51/-5.22	-17.31/-10.32	-6.12/-6.17	-4.99/-8.89	-6.43/-9.38	-6.08/-8.33	-6.2/-7.21	-4.47/-6.9	-6.96/-8.51	-10.92/-4.5	-3.82/-6.42	-8.52/-9.51	-12.88/-5.87	-10.79/-13.08	-8.2/-11.68	-16.03/-15.06	-8.97/-5.6
Θ (112.5°)	-9.59/-19.09	-10.42/-9.65	-7.66/-7.75	-5.84/-8.47	-18.29/-18.67	-14.58/-13.65	-15.26/-8.73	-17.95/-11.33	-18.44/-9.72	-7.25/-6.48	-9.26/-9.43	-6.75/-11.5	-8.4/-9.73	-6.52/-8.59	-4.92/-5.27	-5.95/-10.92	-9.15/-5.7	-4.38/-7.06	-9.05/-12.71	-12.68/-6.01	-7.11/-14.86	-12.3/-11.95	-16.85/-18.46	-19.24/-10.54
Θ (120°)	-15.49/-17.61	-11.93/-9.79	-12.4/-9.55	-7.48/-13.47	-18.40/-17.26	-12.56/-10.86	-13.91/-10.18	-14.6/-18.55	-18.35/-9.06	-8.3/-6.5	-10.54/-10.41	-7.84/-11.36	-11.02/-14.46	-10.42/-7.5	-8.01/-5.73	-6.75/-14.71	-9.41/-7.89	-6.44/-8.87	-10.37/-16.4	-16.08/-9.38	-6.87/-11.63	-12.94/-11.03	-9.91/-18.25	-17.42/-18.78
Θ (127.5°)	-19.12/-18.74	-18.68/-9.4	-14.23/-10.25	-8.8/-10.94	-17.85/-16.04	-18.51/-11.72	-15.56/-12.23	-18.42/-17.76	-10.94/-6.99	-10.03/-8.39	-11.56/-9.34	-11.49/-10.93	-9.95/-14.88	-9.78/-12.87	-8.9/-7.49	-8.61/-16.9	-7.62/-9.67	-9.86/-10.72	-15.03/-19.65	-14.88/-10.81	-8.43/-16.06	-17.52/-16.57	-11.76/-16.92	-11.26/-15.95
Θ (135°)	-18.29/-18.34	-13.89/-8.61	-12.22/-18.01	-11.93/-11.5	-19.08/-17.8	-13.22/-17.26	-16.94/-18.09	-9.78/-11	-9.75/-8	-11.14/-8.76	-10.17/-9.64	-8.65/-11.04	-12.98/-8.81	-9.62/-1.08	-8.96/-6.99	-8.99/-14.99	-12.1/-8.92	-13.58/-10.01	-15.7/-16.03	-18.09/-9.99	-8.8/-12.66	-18.5/-13.62	-18.59/-13.17	-18.18/-14.72
Θ (142.5°)	-18.02/-14.65	-17.87/-17.3	-18.83/-17.8	-16.62/-17.56	-19.03/-18.72	-12.06/-14.17	-14/-9.37	-11.76/-10.04	-12.06/-15.57	-12.39/-10.27	-12.34/-12.62	-13.23/-14.84	-13.43/-11.36	-12.08/-12.21	-10.78/-9.92	-10.78/-14.57	-12.49/-12.43	-12.89/-9.3	-13.51/-15.78	-19.42/-14.5	-11.31/-12.84	-15/-18.48	-13.6/-16.82	-18.71/-18.74
Θ (150°)	-18.45/-19.05	-17.72																						



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Freq(Hz)	6.175G	6.475G	6.695G	6.995G
Ant. 1 Max Gain (dBi)	3.66	2.95	5.16	5.06
Ant. 2 Max Gain (dBi)	3.38	4	5.81	4.76
Ant. 3 Max Gain (dBi)	3.54	2.54	3.51	3.97
Ant. 4 Max Gain (dBi)	4.27	3.5	5.5	5.22
Ant. 1 Polarization/ $\theta(^{\circ})/\phi(^{\circ})$	Theta/75/90	Theta/75/120	Theta/60/82.5	Theta/75/127.5
Ant. 2 Polarization/ $\theta(^{\circ})/\phi(^{\circ})$	Theta/67.5/0	Theta/67.5/157.5	Theta/67.5/97.5	Theta/75/97.5
Ant. 3 Polarization/ $\theta(^{\circ})/\phi(^{\circ})$	Theta/82.5/307.5	Theta/75/135	Theta/82.5/270	Theta/82.5/300
Ant. 4 Polarization/ $\theta(^{\circ})/\phi(^{\circ})$	Theta/75/82.5	Theta/67.5/82.5	Theta/75/262.5	Theta/75/262.5
Max Gain (dBi)	4.27	4	5.81	5.22
DG [1SS] (dBi)	8.35	8.3	8.63	8.73
DG [2SS] (dBi)	5.35	5.3	5.81	5.73
DG [4SS] (dBi)	4.27	4	5.81	5.22

DG 1SS Result

Freq(Hz)	6.175GPol.	Phi	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-
DG(dB)	Φ(0°)Ψ(7.5°)	Φ(15°)Ψ(22.5°)	Φ(30°)Ψ(37.5°)	Φ(45°)Ψ(52.5°)	Φ(60°)Ψ(67.5°)	Φ(75°)Ψ(82.5°)	Φ(90°)Ψ(97.5°)	Φ(105°)Ψ(112.5°)	Φ(120°)Ψ(127.5°)	Φ(135°)Ψ(142.5°)	Φ(150°)Ψ(157.5°)	Φ(165°)Ψ(172.5°)	Φ(180°)Ψ(187.5°)	Φ(195°)Ψ(202.5°)	Φ(210°)Ψ(217.5°)	Φ(225°)Ψ(232.5°)	Φ(240°)Ψ(247.5°)	Φ(255°)Ψ(262.5°)	Φ(270°)Ψ(277.5°)	Φ(285°)Ψ(292.5°)	Φ(300°)Ψ(307.5°)	Φ(315°)Ψ(322.5°)	Φ(330°)Ψ(337.5°)	Φ(345°)Ψ(352.5°)
Θ(0°)	0.450/0.09	-0.7/-1.1	-1.7/-2.23	-3.4/-4.06	-3.9/-4.4	-4.68/-3.92	-3.62/-2.91	-2/-1.04	-0.250/22	0.540/85	0.860/97	1.040/68	0.37/-0.15	-0.66/-1.17	-1.95/-2.39	-3.19/-4.38	-4.51/-4.66	-4.23/-3.87	-3.42/-2.58	-1.74/-1.11	-0.380/2	0.760/78	0.91/-0.8	0.920/75
Θ(7.5°)	0.740/6	-0.0/-9	-1.88/-2.98	-4.14/-5.26	-5.55/-4.97	-4.33/-3.71	-2.72/-2.09	-1.96/-1.71	-1.17/-0.39	0.090/11	0.08/-0.02	0.30/32	0.02/-0.62	-1.59/-2.48	-3.61/-4.13	-4.64/-5.15	-5.37/-4.81	-4.33/-4.1	-3.28/-2.27	-1.33/-0.79	-0.42/-0.09	0.130/13	-0.14/-0.03	0.270/67
Θ(15°)	-0.58/-0.75	-1.64/-3.08	-4.48/-6.35	-7.73/-9.18	-9.91/-7.67	-5.57/-3.84	-2.88/-2.44	-2.24/-2.64	-3.03/-3.01	-2.63/-2.34	-1.6/-1.07	-0.89/-0.6	-1.16/-1.78	-3.24/-4.88	-6.2/-7.28	-7.88/-9.19	-8.98/-6.5	-4.96/-4.36	-3.69/-3.17	-2.81/-2.66	-2.52/-2.93	-3.71/-4.63	-5.53/-4.29	-2.69/-1.18
Θ(22.5°)	-1.7/-3.01	-5.75/-7.3	-7.21/-7.37	-8.38/-9.72	-9.14/-9.9	-9.14/-6.36	-4.34/-4.01	-3.79/-5.01	-5.98/-5.75	-4.7/-3.93	-3.21/-1.92	-1.21/-0.78	-1.37/-1.17	-5.37/-6.31	-6.56/-5.55	-8.9/-14	-9.66/-8.61	-5.95/-4.45	-4.44/-4.45	-5.06/-5.08	-5.45/-6.18	-6.22/-5.75	-5.77/-5.76	-3.03/-0.7
Θ(30°)	-1.45/-3.75	-8.3/-8.79	-7.09/-6.51	-7.32/-0.97	-9.92/-10.56	-9.99/-4.7	-6.78/-6.5	-7.37/-8.11	-6.14/-5.27	-4.23/-3.95	-4.6/-3.32	-2.34/-1.6	-2.24/-1.7	-4.66/-3.72	-4.29/-1.79	-8.46/-7.92	-7.41/-7.29	-7.65/-6.13	-5.17/-5.83	-7.18/-6.4	-4.53/-4.88	-4.75/-5.68	-2.89/-3.75	-4.16/-1.86
Θ(37.5°)	-4.6/-4.08	-6.12/-8.46	-8.91/-8.75	-8.68/-8.24	-6.67/-6.26	-8.24/-9.15	-7.95/-6.86	-7.59/-6.1	-6.25/-6.51	-4.3/-3.58	-4.49/-3.82	-4.23/-5.04	-3.89/-3.91	-5.02/-6.13	-7.37/-7.26	-6.48/-8.18	-9.34/-7.28	-8.24/-7.14	-6.37/-8.61	-7.81/-4.53	-2.67/-5.09	-5.25/-4.96	-4.48/-3.82	-4.13/-4.34
Θ(45°)	-8.52/-6.25	-5.33/-9.3	-5.28/-5.74	-6.66/-7.68	-7.81/-7.46	-8.31/-8.78	-9.26/-8.35	-6.35/-4	-7.31/-3.98	-4.71/-3.3	-4.13/-4.71	-4.7/-9.99	-8.02/-4.94	-3.76/-4.16	-6.15/-6.29	-6.09/-8.22	-8.22/-6.03	-8.55/-8.09	-8.44/-3.01	-3.45/-4.39	-3.73/-4.88	-4.01/-2.61	-1.71/-7.44	
Θ(52.5°)	-8.8/-8.02	-4.73/-4.39	-6.92/-5.59	-5.87/-8.1	-8.31/-6.05	-8.32/-7.52	-9.56/-8.18	-4.62/-2.91	-3.56/-4.9	-5.49/-4.44	-3.29/-2.03	-4.77/-10.17	-12.36/-6.78	-3.4/-2.7	-4.82/-6.9	-5.22/-7.6	-8.45/-7.58	-9.57/-7.02	-7.43/-8.74	-6.38/-5.65	-5.38/-6.63	-6.95/-7.53	-7.91/-4.7	-7.24/-6.52
Θ(60°)	-5.92/-7.53	-9.16/-11.54	-11.82/-8.4	-8.09/-7.8	-7.69/-9.9	-8.83/-8.01	-10.33/-9.2	-7.64/-5.9	-7.98/-9.26	-9.47/-7.8	-8.12/-5.11	-5.37/-5.86	-10.54/-9.87	-5.84/-5.28	-8.9/-9.33	-8.44/-8.23	-9.01/-9.61	-10.8/-8.03	-12.07/-8.08	-8.71/-9.59	-9.48/-11.98	-10.43/-8.17	-10.13/-9.32	-8.08/-4.5
Θ(67.5°)	-4.62/-8.53	-7.75/-9.77	-8.13/-8.55	-9.11/-7.63	-6.79/-9.94	-8.73/-7.79	-8.89/-6.4	-11.34/-11.48	-10.58/-5.07	-6.43/-7.37	-6.65/-7.12	-5.43/-4.83	-7.54/-10.87	-8.48/-11.61	-7.23/-7.66	-8.98/-9.54	-9.63/-9.4	-9.67/-9.55	-12.32/-7.08	-9.58/-9.98	-8.47/-7.81	-4.03/-6.52	-5.23/-10.89	-8.47/-5.39
Θ(75°)	-5.63/-7.74	-6.72/-7.02	-6.27/-7.08	-6.78/-7.29	-8.26/-8.69	-10.09/-7.63	-7.81/-6.38	-13.15/-8.76	-6.08/-2.14	2.56/-4.99	-4.38/-8.17	-6.13/-5.2	-6.75/-11.33	-11.41/-10.84	-6.14/-6.14	-5.8/-6.09	-9.44/-8.4	-6.68/-8.14	-10.23/-7.39	-8.48/-7.78	-6.26/-6.46	-3.16/-7.58	-4.15/-8.66	-8.76/-6.54
Θ(82.5°)	-5.48/-7.41	-7.28/-6.22	-7.29/-6.99	-7.38/-5.18	-9.67/-6.92	-7.47/-8.61	-8.82/-7.2	-10.19/-7.16	-5.72/-2.92	-2.06/-6.09	-3.78/-9.21	-7.76/-5.12	-7.58/-11.65	-12.34/-9.62	-7.33/-8.24	-6.15/-6.48	-8.86/-7.28	-6.36/-8.72	-8.59/-7.55	-6.44/-3.52	-4.94/-3.52	-5.77/-6.89	-4.93/-7.26	-8.38/-5.57
Θ(90°)	-6.45/-7.3	-9.57/-9.1	-9.45/-8.63	-9.62/-5.92	-9.42/-5.79	-7.44/-11.06	-10.38/-6.2	-9.07/-6.76	-5.74/-3.91	-3.13/-7.05	-1.88/-9.37	-8.19/-5.47	-8.38/-11.22	-10.89/-9.32	-7.47/-10.67	-7.81/-5.82	-9.01/-7.38	-7.64/-8.24	-8.17/-10.02	-6.63/-8.34	-5.26/-4.87	-7.6/-8.98	-6.82/-7.82	-9.28/-7.04
Θ(97.5°)	-7.47/-7.21	-9.03/-11.24	-9.84/-9.54	-10.11/-11.14	-8.88/-5.27	-7.34/-11.96	-10.88/-8.87	-7.97/-3.5	-7.32/-6.21	-4.63/-8.38	-4.35/-8.86	-9.29/-6.97	-12.43/-12.45	-11.21/-9.3	-8.65/-10.5	-9.83/-6.54	-9.12/-8.8	-11.35/-9.47	-8.65/-10.89	-9.35/-7.8	-6.12/-7.29	-8.84/-10.84	-6.87/-10.03	-10.4/-10.75
Θ(105°)	-8.41/-8.49	-10.52/-12.26	-9.24/-8.73	-11.31/-8.56	-8.04/-7.43	-8.6/-7.8	-11.88/-9.35	-8.01/-8.94	-9.28/-7.3	-7.23/-9.62	-5.78/-8.25	-10.02/-8.4	-11.69/-12.33	-11.05/-10.72	-7.83/-10.4	-11.57/-11.24	-10.98/-10.43	-10.38/-10.05	-8.84/-11.19	-9.49/-10.12	-9.27/-9.95	-8.44/-11.38	-7.66/-11.6	-11.05/-11.46
Θ(112.5°)	-11.24/-9.62	-10.03/-12.02	-7.84/-8.51	-10.98/-10.69	-8.22/-8.53	-9.32/-11.34	-12.58/-10.25	-8.47/-9.14	-10.97/-8.78	-8.79/-9.13	-7.77/-8.32	-11.25/-9.47	-11.91/-11.48	-11.08/-10.26	-8.37/-11.63	-10.76/-10.74	-9.81/-11.37	-10.39/-10.66	-8.95/-13.15	-10.42/-9.55	-8.32/-11.22	-8.72/-12.37	-7.87/-10.62	-12.44/-11.1
Θ(120°)	-9.52/-8.92	-9.61/-10.73	-7.62/-9.66	-8.89/-10.86	-9.25/-9.7	-9.21/-10.46	-10.48/-12.54	-10.34/-10.32	-12.48/-10.54	-11.1/-11.46	-8.21/-8.97	-10.87/-10.32	-9.72/-11.73	-10.96/-12.1	-9.03/-6.58	-10.3/-11.15	-8.59/-9.61	-12.02/-6.62	-9.5/-9.23	-10.46/-7.25	-11.09/-9.92	-11.5/-9.17	-9.1/-9.79	-12.85/-9.89
Θ(127.5°)	-9.66/-8.81	-9.43/-10.69	-8.18/-8.16	-9.54/-10.18	-12.44/-10.92	-10.62/-10.11	-12.43/-12.05	-10.99/-11.73	-11.37/-10.53	-8.52/-12.92	-10.71/-9.71	-8.81/-8.62	-12.49/-11.11	-10.22/-11.36	-11.24/-10.47	-11.64/-11.12	-9.95/-9.18	-10.85/-8.64	-11.97/-11.52	-10.89/-9.81	-9.21/-8.72	-11.58/-9.03	-12.14/-13.35	-12.14/-13.35
Θ(135°)	-10.76/-7.62	-9.10/-10.29	-10.92/-9.6	-9.99/-10.17	-11.23/-12.75	-11.16/-10.51	-12.27/-10.63	-10.62/-11.36	-9.92/-10.51	-8.4/-9.93	-11.82/-10.23	-8.98/-11.15	-10.96/-10.48	-10.61/-7.99	-12.39/-10.97	-11.74/-9.03	-10.02/-11.45	-11.2/-9.72	-10.85/-12.05	-8.91/-12.22	-11.41/-11.33	-10.51/-10.02	-10.07/-9.16	-11.17/-10.04
Θ(142.5°)	-11.41/-11.3	-11.84/-11.04	-8.76/-10.44	-10.06/-8.44	-10.06/-10.18	-11.48/-12.05	-10.39/-11.16	-10.23/-10.54	-10.3/-8.76	-10.27/-8.84	-10.75/-9.67	-9.92/-9.98	-11.49/-10.43	-9.15/-8.2	-9.03/-11.38	-9.84/-11.87	-12.33/-11.41	-9.83/-10.16	-11.58/-11.72	-8.74/-12.42	-12.21/-12.15	-10.17/-11.93	-11.62/-9.66	-11.65/-12.52
Θ(150°)	-10.4/-6.84	-6.5/-8.8	-11.25/-11.52	-11.71/-11.55	-10.55/-10.55	-11.91/-11.79	-8.77/-12.08	-11.4/-9.5	-10.52/-11.26	-11.82/-10.55	-9.07/-8.24	-9.53/-11.7	-10.15/-10.47	-11.01/-7.64	-7.57/-11.03	-11.9/-11.21	-12.05/-12.01	-11.91/-10.29	-9.03/-11.95	-12.49/-10.97	-11.28/-11.12	-12.52/-10.71	-8.51/-11.45	-12.27/-10.7
Θ(157.5°)	-10.16/-10.23	-7.99/-7.57	-10.08/-11.18	-10.10/-9.49	-8.85/-10.01	-12.23/-10.61	-10.27/-12.44	-11.74/-9.99	-9.74/-10.21	-9.7/-10.6	-12.47/-11.9	-8.89/-8.7	-10.19/-9.99	-10.08/-10.37	-9.49/-12.11	-12.01/-8.27	-9.88/-10.88	-9.66/-11.43	-11.79/-14.02	-12.4/-12.62	-11.15/-10.71	-9.78/-11.84	-9.11/-8.42	
Θ(165°)	-9.68/-10.09	-9.86/-8.96	-9.81/-10.92	-11.27/-12.47	-12.21/-12.47	-12.06/-11.43	-10.58/-10.96	-11.28/-11.34	-12.13/-12.29	-10.97/-9.74	-9.39/-10.18	-10.34/-10.49	-10.4/-10.3	-9.95/-10.6	-10.28/-9.82	-11.39/-11.38	-10.08/-9.84	-10.62/-11.29	-9.8/-9.96	-10.53/-10.7	-10.73/-10.72	-9.88/-10.67	-12.42/-11.15	-8.63/-7.99
Θ(172.5°)	-9.33/-9.58	-10.32/-10.88	-10.78/-11.7	-11.64/-12.65	-11.62/-10.86	-10.22/-10.16	-10.55/-9.92	-11.72/-12.29	-11.67/-10.65	-9.52/-9.82	-9.96/-9.89	-11.39/-11.48	-10.44/-9.89	-10.34/-11.44	-11.79/-11.81	-12.01/-11.83	-12.15/-12.28	-11.45/-10.31	-10.67/-10.95	-9.85/-10.78	-11.78/-11.47	-11.12/-11.45	-10.63/-9.58	-9.32/-9.65
Θ(180°)	-11.2/-10.03	-10.15/-4.93	-9.64/-10.21	-9.96/-8.65	-11.41/-9.03	-9.14/-9.33	-10.49/-9.63	-11.12/-11.27	-11.56/-11.25	-11.52/-11.91	-12.51/-12.37	-11.25/-10.88	-11.09/-11.62	-11.83/-11.11	-9.86/-9.19	-12.07/-9.74	-10.69/-10.9	-9.68/-9.79	-9.78/-9.16	-10.17/-11.54	-10.17/-11.54	-11.54/-11.55		
Freq(Hz)	6.175GPol.	Theta	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-
DG(dB)	Φ(0°)Ψ(7.5°)	Φ(15°)Ψ(22.5°)	Φ(30°)Ψ(37.5°)	Φ(45°)Ψ(52.5°)	Φ(60°)Ψ(67.5°)	Φ(75°)Ψ(82.5°)	Φ(90°)Ψ(97.5°)	Φ(105°)Ψ(112.5°)	Φ(120°)Ψ(127.5°)	Φ(135°)Ψ(142.5°)	Φ(150°)Ψ(157.5°)	Φ(165°)Ψ(172.5°)	Φ(180°)Ψ(187.5°)	Φ(195°)Ψ(202.5°)	Φ(210°)Ψ(217.5°)	Φ(225°)Ψ(232.5°)	Φ(240°)Ψ(247.5°)	Φ(255°)Ψ(262.5°)	Φ(270°)Ψ(277.5°)	Φ(285°)Ψ(292.5°)	Φ(300°)Ψ(307.5°)	Φ(315°)Ψ(322.5°)	Φ(330°)Ψ(337.5°)	Φ(345°)Ψ(352.5°)
Θ(0°)	0.988/-3.04	-2.04/-1.1	-0.5/-0.15	0.310/59	0.770/76	0.550/25	-0.1/-0.4	-0.85/-1.89	-2.62/-3.42	-4.09/-4.35	-4.68/-5.06	-4.93/-4.4	-3.93/-3.01	-2.06/-1.22	-0.250/19	0.540/78	0.620/82	0.780/73	0.480/07	-0.488/-0.78	-1.3/-1.22	-3/-3.92	-4.35/-4.46	-4.44/-4.39
Θ(7.5°)	-5.98/-4.23	-3.07/-1.8	-1.17/-0.92	-0.56/-0.5	-0.23/-0.23	-0.4/-1.11	-1.68/-1.98	-2.23/-3.25	-3.82/-4.62	-4.75/-5.23	-6.25/-6.55	-6.32/-5.72	-5.03/-4.34	-3.47/-2.56	-2/-1.67	-1.05/-0.74	-0.9/-0.76	-1.02/-1.57	-1.95/-2.93	-3.71/-4.27	-4.46/-4.94	-5.83/-7.03	-7.26/-7.67	-7.65/-7.81
Θ(15°)	-6.91/-5.8	-4.48/-3.46	-3.33/-6.5	-3.28/-2.8	-2.34/-2.54	-3.07/-3.39	-3.53/-4.19	-4.74/-6.22	-7.91/-9.19	-9.59/-9.85	-9.06/-7.57	-7.09/-6.79	-5.63/-4.67	-3.81/-3.52	-3.54/-3.77	-4.65/-5.26	-5.18/-4.72	-4.07/-4.2	-4.59/-5.69	-6.09/-6.65	-7.43/-8.23	-8.01/-6.68	-6.17/-6	-6.67/-4.3
Θ(22.5°)	-3.12/-2.45	-1.92/-2.41	-4.04/-5.62	-6.06/-6.47	-3.19/-2.16	-1.56/-1.02	-0.96/-0.89	-0.71/-1.8	-2.09/-4.13	-7.59/-6.67	-8.89/-6.67	-5.68/-5.6	-3.07/-2.37	-3.87/-3.64	-4.05/-3.45	-3.07/-2.27	-1.120/0.4	0.981/52	1.569/15	0.50/-0.74	-1.73/-4.71	-7.12/-7.5	-5.65/-2.57	-1.98/-3.21
Θ(30°)	-0.02/-1.13	-1.31/-0.77	-0.150/48	0.730/13	-0.44/-0.5	-0.010/39	0.450/12	0.060/37	0.760/78	0.05/-1.64	-2.08/-0.76	-0.9/-3.4	-1.03/-1.44	-2.43/-2.9	-2.89/-1.64	-0.680/07	0.0/47	1.622/28	1.810/44	0.16/-0.1	0.230/18	-1.37/-1.49	-0.280/14	0.230/32
Θ(37.5°)	2.180/82	-0.96/-0.47	0.191/01	20.1/11	-0.560/1	0.630/69	0.790/03	-0.87/-1.05	-0.510/83	1.780/26	-0.430/56	1.181/96	1.91/36	1.290/22	-1.66/-0.11	0.81/24	1.351/25	2.232/06	1.180/72	0.810/77	0.341/33	1.170/75	1.627/12	0.371/54
Θ(45°)	2.878/86	3.561/04	1.952/55	1.851/24	0.731/75	2.292/54																		



Radiated Composite Gain Data_Radio 2 (4TX)

Appendix B.1

Θ(22.5°)	-0.22/-0.44	-1.49/-2.67	-4.14/-6.58	-7.67/-7.05	-5.66/-4.67	-3.89/-3.1	-3.85/-5.68	-5.07/-3.74	-2.89/-2.49	-2.24/-0.72	-0.31/-1.63	-3.15/-3.23	-2.9/-3.39	-4.19/-5.05	-5.85/-7.96	-7.99/-7.63	-7.84/-7.14	-4.78/-3.85	-3.51/-2.61	-1.21/-1.13	-2.2/-4.07	-5.68/-4.79	-3.33/-2.6	-2.06/-1.29
Θ(30°)	-0.57/-0.59	-2.23/-3.58	-4.75/-6.57	-8.07/-8.77	-7.84/-7.08	-4.21/-3.02	-6.02/-6.07	-3.64/-3.97	-4.32/-5.7	-6.32/-4.27	-2.17/-0.84	-0.320/-0.43	0.14/-1.65	-3.51/-4.24	-8.34/-12.3	-9.85/-8	-7.92/-8.55	-6.01/-3.72	-2.47/-2.38	-2.2/-2.98	-4.39/-4.42	-5.37/-5.23	-5.77/-5.14	-3.97/-1.52
Θ(37.5°)	-2.91/-3.13	-5.37/-6.78	-6.62/-6.32	-6.74/-6.98	-7.58/-7.92	-6.06/-6.3	-4.09/-4.7	-6.49/-8.12	-6.39/-3.13	-4.56/-4.4	-3.05/-2.68	-2.14/-0.44	-0.88/-3.16	-4.45/-4.94	-6.69/-10.32	-10.32/-45.7	-4.05/-6.74	-6.41/-4	-2.41/-3.58	-5.95/-6.55	-6.14/-4.72	-4.92/-2.71	-3.08/-3.14	-3.33/-2.99
Θ(45°)	-4.57/-4.92	-5.8/-6.41	-5.05/-5.41	-5.83/-4.01	-4.2/-4.77	-6.81/-7.45	-2.96/-3.4	-10.14/-6.93	-3.9/-2.67	-3.27/-2.76	-3.63/-5.9	-7.16/-3.69	-1.12/-2.39	-6.84/-7.6	-6.07/-7.67	-6.3/-7.4	-4.44/-4.07	-4.47/-4.98	-3.34/-2.91	-6.31/-4.23	-6.81/-4.99	-6.78/-3.82	-3.78/-3.15	-3.32/-3.36
Θ(52.5°)	-8.36/-6.6	-3.69/-4.97	-7.52/-7.62	-8.37/-5.31	-6.21/-3.55	-6/-7.45	-6.11/-6.67	-6.48/-2.87	-3.4/-7.13	-5.3/-1.51	-2.58/-3.79	-7.19/-9.47	-7.4/-5.18	-4.15/-5.22	-5.07/-6.71	-6.13/-10.74	-5.04/-6.5	-5.17/-6.04	-5.17/-5.88	-7.28/-6.09	-8.52/-8.43	-7.44/-6.5	-6.86/-5.86	-5.06/-5.09
Θ(60°)	-6.64/-6.71	-4.58/-7.32	-8.83/-10.56	-9.98/-6.9	-10.4/-8.55	-9.23/-7.25	-9/-9.29	-6.74/-8.11	-6.6/-4.4	-6.14/-4.52	-4.18/-7.05	-8.7/-5.9	-3.65/-7.35	-7/-7.34	-9.73/-4.72	-1.19/-8.89	-8.73/-8.74	-8.77/-9.53	-8.53/-10.72	-9.36/-7.67	-7.35/-10.04	-9.87/-8.04	-7.67/-8.08	
Θ(67.5°)	-7.36/-7.45	-8.25/-10.05	-6.12/-6.68	-8.37/-10.04	-10.13/-9.7	-7.8/-8.46	-11.44/-10.27	-9.21/-9.56	-10.61/-9.13	-5.52/-6.32	-11.46/-6.25	-5.87/-10.68	-6.83/-9.51	-8.28/-10.51	-8.94/-10.26	-11.39/-6.11	-8.52/-12.04	-8.8/-10.75	-9.61/-8.59	-8.76/-10.35	-8.83/-9.97	-9.68/-8.54	-5.73/-7.9	-8.72/-8.67
Θ(75°)	-8.14/-10.1	-7.03/-8.68	-3.78/-5.84	-7.59/-8.96	-6.72/-9.1	-4.97/-7.07	-10.17/-6.05	-10.06/-8.54	-8.01/-5.02	-4.02/-4.95	-8.77/-7.12	-6.04/-7.16	-7.73/-8.97	-8.15/-7.59	-5.25/-11.24	-5.93/-8.18	-8.52/-8.24	-6.27/-4.99	-8.36/-6.32	-7.46/-10.22	-6.76/-5.02	-9.34/-6.56	-5.79/-6.23	-5.06/-5.64
Θ(82.5°)	-8.84/-10.06	-5.86/-6.87	-3.04/-6.31	-5.76/-8.41	-5.24/-8.96	-3.77/-7.58	-9.51/-6.15	-10.33/-7.27	-6.76/-4.61	-4.23/-4.58	-6.62/-7.22	-4.64/-5.3	-7.76/-7.87	-6.56/-5.79	-4.88/-11.17	-5.21/-7.08	-8.79/-7.25	-5.34/-10.42	-6.75/-5.25	-4.71/-7.55	-4.12/-2.66	-9.26/-7.88	-6.36/-6.99	-3.75/-2.23
Θ(90°)	-8/-9.08	-5.86/-6.17	-4.76/-7.58	-6.46/-10.13	-6.76/-8.49	-4.32/-7.35	-7.89/-7.02	-10.08/-9.11	-7.4/-5.9	-4.85/-5.47	-6/-7.45	-3.56/-4.32	-8.85/-9.25	-5.82/-6.79	-5.69/-11.61	-8.44/-5.91	-8.31/-7.15	-6.57/-10.39	-6.77/-8.26	-4.69/-6.56	-3.49/-4.34	-10.63/-9.58	-8.17/-8.76	-3.93/-6.19
Θ(97.5°)	-7.26/-7.53	-6.73/-6.75	-7.84/-9.15	-8.42/-10.8	-8.81/-8	-5.85/-8.52	-9.31/-8.82	-9.18/-9.03	-8.31/-8.44	-6.15/-7.11	-6.22/-8.33	-5.08/-6.56	-9.24/-8.87	-6.48/-7.81	-8.57/-11.28	-12.43/-9.4	-10.07/-9.07	-7.9/-6.76	-6.38/-6.67	-11.57/-10.13	-10.16/-9.57	-10.16/-9.57	-4.73/-7.72	
Θ(105°)	-10.44/-7.8	-7.06/-9.62	-10.92/-9.23	-11.5/-12.41	-9.21/-7.86	-7.83/-8.14	-10.02/-11.91	-7.65/-7.78	-8.42/-11.28	-8.19/-8.72	-6.34/-9.32	-6.45/-7.84	-10.58/-9.69	-7.63/-8.7	-8.04/-9.53	-12.54/-9.94	-9.06/-9.61	-9.43/-10.47	-10.76/-9.29	-9.76/-7.67	-7.11/-8.53	-12/-8.64	-11.13/-11.54	-6.29/-9.64
Θ(112.5°)	-12.74/-9.14	-10.52/-11.92	-10.3/-10.32	-11.8/-10.06	-11.05/-9.43	-7.69/-10.16	-8.76/-11.84	-6.9/-9.16	-9.88/-10.99	-10.55/-9.55	-6.52/-11.54	-9/-9.07	-11.57/-11.15	-9.83/-9.88	-8.03/-10.2	-12.58/-10.64	-8.72/-10.84	-10.24/-10.4	-11.86/-9.86	-9.66/-8.07	-8.89/-8.59	-12.28/-7.01	-8.87/-10.11	-8.15/-10.98
Θ(120°)	-12.32/-11.53	-9.31/-11.8	-11.56/-11.09	-10.84/-10.36	-7.63/-10	-9.06/-11.2	-8.9/-11.07	-8.69/-8.86	-10.31/-9.94	-10.62/-10.64	-7.44/-11.01	-10.69/-10.77	-12.29/-12.41	-10.63/-8.87	-8.37/-8.35	-12.2/-9.98	-9.6/-9.9	-12.17/-10.13	-11.55/-12.27	-11.58/-8.67	-9.35/-10.89	-10.4/-11.43	-9.16/-10.07	-9.52/-10.05
Θ(127.5°)	-10.5/-9.37	-9.67/-10.92	-12.37/-10.03	-9.68/-9.69	-6.21/-10.64	-9.54/-12.38	-6.54/-8.26	-8.34/-8.67	-9.35/-8.69	-10.36/-8.93	-9.18/-7.63	-8.25/-12.23	-11.51/-12.31	-11.57/-7.41	-9.46/-8.37	-12.38/-9.11	-9.63/-9.11	-12.86/-11.38	-9.58/-10.05	-10.49/-9.95	-10.41/-11.05	-8.21/-10.59	-9.55/-9.31	-7.31/-9.76
Θ(135°)	-10.56/-10.24	-12.26/-9.76	-11.24/-9.45	-10.79/-11.26	-6.8/-9.31	-11.85/-11.41	-6.85/-8.28	-6.67/-9.68	-8.28/-9.94	-10.35/-10.72	-12.31/-9.34	-8.05/-7.11	-10.01/-9.25	-10.07/-8.86	-7.79/-9.29	-9.6/-8.78	-12.18/-10.79	-9.6/-10.72	-9.2/-10.26	-11.6/-8.13	-9.96/-9.44	-10.25/-10.44	-7.35/-7.23	-10.39/-9.74
Θ(142.5°)	-12.51/-10.86	-11.58/-10.65	-9.63/-11.68	-10.3/-9.67	-9.48/-10.86	-10.7/-10.37	-7.8/-8.69	-6.22/-10.63	-8.36/-9.41	-10.57/-10.98	-12.39/-8.93	-7.76/-7.77	-10.23/-8.35	-6.46/-11.7	-11.62/-8.93	-7.47/-10.15	-11.16/-12.38	-10.42/-12.21	-10.19/-12.44	-10.26/-12.16	-10.77/-12.11	-11.72/-9.18	-10.32/-11.7	-9.78/-7.8
Θ(150°)	-9.13/-10.08	-9.56/-10.29	-9.93/-8.68	-10.38/-7.32	-7.48/-10.64	-10.21/-8.14	-7.57/-10.25	-9.23/-9.83	-8.06/-8.73	-11.43/-12.34	-11.39/-10.41	-9.2/-9.21	-7.98/-11.25	-9.66/-8.82	-8.82/-12.26	-11.75/-12.04	-11.64/-11.98	-9.54/-10.29	-12.67/-9.55	-11.94/-12.78	-11.04/-10.34	-8.88/-7.66	-11.25/-9.88	
Θ(157.5°)	-9.7/-10.76	-8.98/-7.63	-10.66/-8.51	-10.45/-10.95	-10.21/-11.69	-11.75/-9.04	-8.36/-9.36	-9.14/-8.54	-9.85/-11.59	-11.02/-10.79	-11.23/-9.39	-9.59/-11.04	-9.05/-6.68	-9.85/-6.66	-9.05/-11.26	-12.09/-12.49	-11.45/-10.25	-11.98/-11.21	-10.38/-11.7	-12.7/-9.38	-10.96/-12.43	-11.53/-9.51	-7.74/-9.26	-8.89/-7.9
Θ(165°)	-11.95/-11.17	-10.87/-9.83	-9.4/-9.51	-9.37/-9.32	-10.19/-11.47	-11.92/-10.75	-10.09/-9.76	-10.06/-10.1	-8.64/-8.74	-8.6/-7.54	-7.59/-8.71	-10.53/-11.16	-10.13/-10.93	-11.37/-10.77	-10.33/-10.6	-12.07/-12.35	-11.61/-11.9	-9.53/-9.09	-10.44/-11.29	-11.88/-11.56	-11.54/-10.45	-9.93/-10.61	-4.87/-8.72	-9.52/-11.6
Θ(172.5°)	-7.82/-8.48	-9.7/-8.42	-9.41/-9.41	-9.52/-10.13	-9.76/-10.85	-10.9/-11.13	-11.74/-12.26	-12.33/-12.05	-11.32/-11.1	-9.93/-8.69	-8.71/-8.7	-9.46/-9.86	-9.78/-9.82	-10.67/-12.14	-12.51/-11.24	-12.3/-12.29	-12.56/-11.54	-11.24/-10.92	-10.76/-10.85	-11.08/-10.77	-10.69/-12.22	-11.25/-10.56	-10.38/-9.86	-8.55/-8.24
Θ(180°)	-9.93/-9.41	-8.67/-9.43	-9.78/-10.51	-10.12/-9.36	-8.59/-8.97	-9.85/-10.19	-10.6/-10.69	-11.18/-11.97	-11.24/-11.5	-12.48/-11.95	-12.47/-12.28	-11.64/-11.55	-11.47/-11	-11.51/-11.38	-11.26/-11.26	-11.93/-11.41	-10.57/-10.58	-11.15/-11.55	-10.66/-9.89	-10.22/-10.18	-10.68/-11.41	-11.01/-10.26	-9.77/-10.26	
Freq(Hz)	6.695GPol.	Theta+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DC(0dB)	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°)	-6.73/-5.71	-4.57/-3.1	-2.04/-1.36	-1.19/-0.76	-0.47/-0.25	-0.29/-0.51	-0.46/-0.8	-1.6/-2.58	-3.77/-4.64	-0.56/-6.67	-8.19/-8.2	-8.31/-7.81	-7.7/-8.84	-4.93/-3.57	-2.93/-2.1	-1.52/-0.69	-0.44/-0.16	-0.16/-0.38	-0.67/-1.07	-1.61/-2.25	-3.15/-4.15	-5.41/-6.81	-7.7/-7.83	-6.88/-7.92
Θ(7.5°)	-7.48/-7.05	-6.45/-5.58	-4.66/-3.79	-3.07/-1.89	-1.2/-0.75	-0.83/-0.59	-0.65/-0.93	-1.05/-1.74	-2.66/-3.42	-4.13/-5.39	-7.28/-8.91	-8.88/-7.91	-6.25/-4.7	-2.86/-4.14	-0.66/-0.33	0.040/-69	0.820/-58	0.33/-0.06	-0.79/-1.65	-2.41/-3.24	-3.54/-4.4	-5.87/-6.83	-7.31/-7.84	-8.13/-7.79
Θ(15°)	-1.81/-1.89	-2.38/-2.53	-1.93/-1.32	-0.7/-0.5	-0.49/-0.25	0.060/-49	0.350/-47	0.40/-21	-0.19/-1.25	-2.09/-3.39	-4.79/-5.21	-4.82/-4.39	-3.46/-4.23	-3.62/-2.53	-1.69/-4.17	0.520/-98	0.950/-32	0.2/-0.12	-0.64/-1.5	-2.5/-2.98	-2.88/-2.05	-1.87/-1.66	-2.16/-2.96	-3/-2.17
Θ(22.5°)	-1.99/-2.56	-2.66/-2.94	-1.83/-0.89	-1.02/-1.57	-2.44/-2.44	-1.72/-0.92	-1.1/-1.66	-2.57/-3.38	-3.81/-2.36	-0.420/-0.4	-1.42/-2.41	-2.3/-2.17	-2.05/-1.81	-1.11/-0.59	-0.56/-0.64	0.290/-86	1.331/-03	0.790/-16	-0.3/-0.43	-0.75/-1.28	-2.63/-1.69	-0.080/-13	-0.45/-1.86	-2.31/-1.83
Θ(30°)	-1.02/-0.36	0.04/-0.07	-0.95/-1.34	-2.24/-4	-2.530/-16	1.060/-76	0.780/-95	0.860/-36	-0.42/-0.98	0.290/-66	-1.6/-2.68	-0.510/-62	1.431/-63	0.910/-34	1.131/-85	2.062/-16	1.91/-9	1.922/-11	1.610/-66	-0.48/-1.09	-0.341/-33	2.30/-69	-2.6/-2.81	-0.36/-0.02
Θ(37.5°)	2.81/-1.79	0.670/-18	0.510/-95	0.59/-1.11	-0.670/-0.1	-0.321/-0.4	1.40/-56	-0.35/-0.22	-0.05/-0.62	2.082/-46	0.40/-63	1.111/-08	1.291/-49	0.180/-37	3.043/-98	3.272/-	1.250/-36	0.780/-96	0.690/-3	0.562/-17	2.85/-32	4.332/-83	0.951/-01	2.123/-02
Θ(45°)	4.04/-0.03	3.311/-47	1.612/-49	1.61/-03	2.213/-6	2.273/-18	3.431/-4	0.641/-97	3.181/-86	1.862/-62	0.920/-52	0.92/-25	2.993/-38	3.352/-18	2.923/-37	1.92/-25	2.742/-23	2.142/-97	2.72/-7	4.023/-92	3.51/-91	3.672/-54	2.223/-43	3.673/-19
Θ(52.5°)	4.135/-46	4.952/-57	2.734/-43	3.061/-54	2.474/-86	5.544/-88	3.845/-26	6.065/-19	4.413/-14	4.085/-14	4.584/-37	3.612/-61	2.564/-38	4.753/-93	4.14/-74	2.792/-53	1.491/-87	3.385/-25	4.483/-58	3.742/-75	3.673/-89	5.6/-46	4.124/-84	4.844/-28
Θ(60°)	6.256/-58	5.532/-8	2.745/-26	3.092/-17	2.693/-49	6.517/-35	6.858/-25	7.655/-46	5.165/-53	5.836/-2	5.546/-4	6.164/-65	3.445/-4	4.364/-4	3.855/-55	3.593/-27	0.53/-0.94	3.776/-55	5.064/-51	1.850/-32	4.285/-13	5.715/-18	4.265/-15	5.646/-1
Θ(67.5°)	7.436/-44	5.234/-86	3.314/-7	2.092/-62	2.754/-03	6.067/-4	6.896/-63	7.345/-13	5.817/-06	6.563/-09	5.264/-6	6.766/-36	5.465/-18	4.185/-33	3.563/-65	5.557/-74	6.066/-27	5.285/-01	5.074/-86	4.676/-27	5.074/-86	4.445/-5	5.786/-6	
Θ(75°)	6.915/-2	4.165/-52	4.274/-57	2.682/-85	2.564/-94	4.075/-73	7.247/-6	4.485/-16	6.377/-36	6.636/-95	5.456/-73	6.416/-6	6.995/-83	5.726/-29	4.54/-88	4.243/-94	1.363/-39	6.688/-39	6.998/-11	4.932/-82	4.934/-74	4.744/-2	5.385/-95	5.816/-04
Θ(82.5°)	5.33/-84	3.855/-79	3.863/-14	1.431/-7	2.243/-88	3.875/-09	6.67/-																	



Sporton International Inc



Radiated Composite Gain Data_Radio 2 (4TX)

Appendix B.1

Θ(22.5°)	-5.95/-7.14	-8.07/-7.6	-8.74/-10.35	-10.8/-11.58	-13.61/-18.93	-18.46/-15	-15.84/-18.67	-11.27/-7.83	-7.91/-8.45	-7.37/-5.52	-4.52/-4.49	-5.48/-7.58	-8.6/-10.78	-13.85/-18.41	-18.25/-19.2	-18.52/-16.04	-15.15/-13.2	-9/-7.38	-7.86/-10.27	-12.09/-11.06	-10.11/-10.72	-12.26/-10.48	-8.43/-6.94	-6.16/-6.08
Θ(30°)	-3.91/-5.19	-6.77/-6.56	-8.66/-14.41	-18.62/-14.17	-17.28/-18.26	-9.12/-8.35	-14.05/-12.98	-6.01/-4.34	-6.35/-8.83	-11.12/-10.07	-7.32/-5.56	-5.73/-5.18	-4.48/-7.68	-17.35/-17.6	-17.63/-17.67	-14.8/-13.07	-11.97/-17.66	-14.18/-9.18	-8.9/-8.34	-9.13/-11.6	-11.61/-9.44	-11.16/-19.5	-13.72/-12.54	-7.94/-4.67
Θ(37.5°)	-4.72/-7.45	-11.18/-11.01	-10.24/-11.26	-17.77/-18.6	-15.08/-16.98	-9.65/-6.64	-9.24/-9.31	-8.55/-9.36	-12.17/-9.24	-9.39/-9.58	-8.73/-9.38	-6.38/-4.16	-16.95/-18.9	-19.25/-16.4	-12.5/-13.31	-17.62/-12.45	-11.96/-10.33	-14.04/-17.39	-6.96/-13.31	-11.98/-10.33	-11.35/-18.39	-11.57/-11.3	-13.44/-6.69	-12.03/-10.47
Θ(45°)	-8.23/-8.98	-10.77/-11.54	-9.51/-10.51	-17.49/-17.87	-17.09/-13.9	-12.9/-12.52	-8.26/-7.27	-18.99/-10.44	-7.81/-8.39	-7.91/-6.8	-5.67/-9.57	-10.51/-7.59	-3.89/-5.51	-17.93/-14.66	-17.18/-14.71	-11.81/-13.35	-12.27/-14.82	-8.24/-14.77	-11.11/-8.29	-11.51/-16.44	-19/-11.17	-14.34/-9.58	-13.31/-8.17	-10.75/-10
Θ(52.5°)	-15.7/-17.43	-8.93/-12.72	-17.74/-18.66	-17.78/-18.07	-13.47/-13.42	-17.99/-17.59	-9.86/-13.61	-17.41/-13.1	-9.44/-17.96	-8.53/-16.2	-3.88/-5.94	-14.98/-19.4	-9.38/-5.13	-8.81/-13.23	-19.74/-16.34	-12.49/-18.76	-8.72/-14.24	-8.92/-18.13	-15.56/-10.1	-15.61/-10.98	-17.77/-10.67	-13.02/-17.04	-15.03/-9.69	-11.81/-18.32
Θ(60°)	-18.84/-10.37	-11.83/-13.77	-11.72/-14.81	-18.21/-12.08	-14.38/-14.15	-18.74/-17.63	-17.23/-17.2	-12.94/-13.5	-17.76/-16.55	-7.07/-8.04	-9.84/-8.45	-11.16/-18.02	-19.06/-11.71	-7.77/-18.34	-14.21/-17.34	-13.59/-7.72	-17.03/-17.76	-17.64/-17.89	-18.49/-15.98	-18.61/-13.98	-15.89/-14.98	-15.24/-15.05	-12.15/-11.51	-9.96/-10.88
Θ(67.5°)	-17.77/-13.09	-11.94/-15.11	-18.02/-10.35	-13.48/-18.23	-17.23/-17.05	-18.7/-18.39	-17.18/-16.14	-16.21/-18.59	-18.58/-17.25	-8.38/-13.84	-18.58/-17.44	-19.04/-17.85	-19.2/-18.55	-10.4/-18.99	-12.14/-18.03	-19.09/-10.77	-16.94/-18.36	-17.15/-16.77	-17.77/-18.31	-18.89/-18.56	-9.13/-9.98	-18.08/-13.83	-10.74/-14.43	-10.63/-13.46
Θ(75°)	-14.14/-17.95	-13.9/-17.4	-15.53/-9.04	-15.35/-17.9	-18.55/-18.09	-17.95/-15.97	-16.12/-11.04	-12.89/-16.75	-16.48/-11.51	-6.79/-14.0	-12.79/-13.91	-17.16/-15.86	-18.59/-11.7	-15.39/-18.6	-12.47/-17.16	-12.05/-17.62	-17.67/-18.05	-13.75/-16.12	-14.42/-14.14	-14.39/-19.01	-6.88/-7.37	-18.38/-12.45	-11.44/-12.44	-9.19/-14.62
Θ(82.5°)	-13/-18.8	-15.62/-19.7	-14.76/-11.08	-19.2/-17.69	-19/-18.93	-19.49/-15.69	-16.9/-10.05	-14.42/-7.39	-5.88/-8.95	-10.76/-18.14	-10.04/-18.22	-17.51/-9.06	-14.91/-15.2	-15.62/-15.39	-9.36/-18.94	-16.48/-17.42	-10.28/-19.13	-13.4/-11.74	-9.51/-11.56	-7.23/-17.14	-17.99/-11.22	-12.07/-12.36	-10.69/-14.46	
Θ(90°)	-12.35/-19.02	-19.17/-13.7	-14.77/-16.35	-18.45/-18.86	-18.09/-18.05	-19.12/-15.02	-13.5/-10.16	-12.64/-12.3	-16.85/-7.83	-6.88/-9.03	-11.45/-18.7	-9.55/-11.51	-15.95/-14.45	-13.01/-12.74	-15.3/-17.96	-12.93/-13.79	-14.82/-10.51	-13.4/-18.74	-14.56/-13.04	-9.34/-9.48	-7.04/-9.46	-17.9/-10.95	-12.71/-13.41	-10.96/-17.62
Θ(97.5°)	-12.94/-17.77	-16.73/-13.33	-18.87/-18.99	-18.05/-18.44	-18.49/-17.4	-17.76/-17.02	-14.33/-11.67	-11.38/-11.12	-18.48/-12.29	-8.62/-13.35	-12.19/-18.5	-12.25/-17.56	-15.68/-12.27	-13.78/-13.75	-18.09/-13.47	-17.48/-18.5	-19.25/-12.96	-16.41/-17.09	-13.3/-14.04	-11.38/-10.24	-8.58/-13.21	-15.75/-12.23	-16.79/-13.41	-11.1/-18.07
Θ(105°)	-18.31/-18.38	-13.73/-16.95	-18.85/-14.72	-17.82/-18.48	-16.65/-17.74	-18.72/-17.19	-15.24/-13.87	-15.29/-11.51	-19.13/-17.96	-13.75/-15.71	-12.39/-13.32	-13.41/-16.3	-17.82/-15.55	-15.51/-18.01	-15.4/-12.73	-19.07/-16.57	-18.44/-11.49	-18.36/-16.08	-16.57/-13.95	-11.92/-10.79	-12.08/-18.22	-19.31/-9.93	-16.38/-16.89	-139/-18.33
Θ(112.5°)	-19.42/-15.91	-14.96/-17.92	-18.98/-15.67	-18.63/-16.23	-16.28/-17.73	-19.01/-18.49	-12.99/-17.26	-18.8/-12.04	-18.96/-19.01	-18.35/-19.31	-15.99/-16.92	-13.53/-18.41	-18.51/-18.16	-18.39/-18.65	-10.74/-18.25	-19.07/-14.52	-18.58/-14.88	-17.66/-17.24	-18.92/-16.05	-14.64/-17.67	-15.09/-14.85	-17.7/-9.39	-18.33/-16.71	-12.73/-18.19
Θ(120°)	-16.8/-15.71	-18.35/-16.35	-17.74/-17.89	-15.16/-14.66	-10.94/-18.4	-17.77/-18.29	-13.16/-17.47	-19.22/-13.25	-19.02/-16.68	-17.6/-16.31	-17.2/-19.18	-18.71/-18.5	-16.35/-18.16	-17.9/-17.48	-11.32/-15.44	-17.68/-13.96	-17.64/-15.77	-18.57/-17.81	-15.17/-18.3	-18.9/-18.45	-14.91/-17.77	-17.65/-16.56	-18.41/-17.4	-12.85/-17.97
Θ(127.5°)	-19.35/-14.51	-13.21/-17.43	-18.51/-16.69	-12.57/-19.16	-18.87/-17.63	-10.83/-18.26	-14.16/-16.98	-15.43/-15.83	-18.25/-12.96	-17.13/-13.22	-19.09/-19.66	-16.51/-18.63	-17.33/-12.52	-15.58/-18.68	-19.04/-9.39	-16.18/-12.53	-19.1/-18.47	-18.25/-14.21	-16/-16.39	-18.25/-18.4	-17.71/-18.23	-18.71/-13	-11.81/-17.95	
Θ(135°)	-17.7/-13.7	-17.68/-18.39	-19.14/-17.79	-18.57/-14.11	-17.68/-17.09	-19.1/-18.3	-12.24/-18.06	-12.97/-18.46	-14.86/-17.71	-18.64/-18.59	-17.45/-16.95	-16.36/-9.43	-14.51/-14.99	-18.24/-11.11	-13.28/-12.65	-14.82/-16.65	-18.16/-18.44	-17.78/-17.76	-12.82/-17.82	-17.81/-19.28	-17.55/-11.77	-15.65/-18.25	-15.58/-11.2	-17.95/-10.88
Θ(142.5°)	-18.37/-15.66	-15.8/-17.98	-17.65/-19.1	-13.48/-18.61	-14.57/-18.6	-17.19/-18.14	-14.67/-13.75	-11.62/-15.85	-13.1/-17.94	-17.8/-16	-17.79/-18.88	-17.37/-12.51	-16.8/-9.88	-10.61/-18.04	-14.55/-12.25	-8.72/-13.93	-16.29/-18.57	-19/-18.45	-17.64/-18.37	-18.37/-18.77	-16.55/-19.33	-17.34/-18.81	-17.77/-13.59	-19.32/-10.77
Θ(150°)	-18.18/-17.39	-18.23/-18.35	-18.74/-18.1	-15.91/-17.42	-18.09/-16.97	-16.96/-17.93	-16.23/-15.82	-14.29/-13.05	-17.93/-17.59	-16.29/-12.67	-12.37/-18.41	-13.42/-16.42	-13.38/-13.79	-9.94/-16.24	-17.91/-17.97	-18.31/-14.05	-18.68/-16.45	-15.07/-18.73	-19.17/-18.77	-19.23/-19.09	-18.54/-16.24	-14.24/-13.82	-18.96/-14.46	
Θ(157.5°)	-13.87/-12.93	-12.46/-12.71	-19.48/-13.86	-16.31/-18.79	-17.7/-17.23	-15.51/-14.8	-16.9/-18.27	-15.35/-14.39	-17.95/-19	-17.49/-15.23	-15.41/-12.49	-11.9/-9.63	-18.44/-13.5	-10.54/-16.08	-17.57/-19.32	-18.37/-16.57	-18.5/-17.29	-18.62/-18.99	-18.03/-19.08	-18.66/-17.88	-18.53/-16.05	-18.28/-18.28	-14.64/-14.16	
Θ(165°)	-18.64/-17.32	-16.81/-18.37	-14.78/-11.89	-11.93/-13.19	-15.83/-18.65	-18.12/-16.29	-18.01/-17	-13.21/-12.36	-15.1/-18.7	-17.88/-13.94	-14.46/-17.44	-17.37/-17.51	-14.82/-16.12	-17.95/-17.53	-18.32/-17.5	-19.05/-17.72	-17.98/-17.95	-18.4/-17.25	-16.85/-16.33	-17.23/-18.97	-17.81/-13.73	-12.51/-12.78	-13.19/-15.23	-18.44/-17.97
Θ(172.5°)	-15.66/-15.43	-18.24/-18.21	-16.36/-15.22	-14.31/-14.84	-14.53/-15.25	-18.14/-18.16	-18.13/-17.71	-18.78/-18.06	-17.73/-17.98	-13.51/-10.49	-10.35/-11.27	-14.85/-17.37	-18.88/-18.89	-17.93/-18.45	-17.43/-15.59	-16.79/-17.1	-19.12/-17.47	-16.05/-14.38	-13.25/-13.06	-13.77/-13.56	-15.3/-18.33	-18.06/-18.29	-18.38/-17.98	-18.65/-17.31
Θ(180°)	-18.87/-19.23	-18.29/-19.34	-18.62/-19.75	-18.27/-16.8	-15.35/-15.14	-16.48/-15.19	-14.22/-13.7	-14.08/-15.28	-15.5/-16.54	-18.65/-17.68	-18.77/-18.55	-16.05/-16.49	-18.62/-17.8	-17.55/-17.47	-17.4/-17.97	-18.9/-18.68	-18.06/-17.36	-16.59/-14.09	-14.2/-15.44	-14.62/-14.29	-14.52/-15.54	-17.69/-19.25	-17.11/-15.38	-16.98/-18.87
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°)	-12.16/-12.59	-11.62/-11.07	-10.02/-6.66	-8.07/-7.44	-6.37/-5.47	-5.98/-5.79	-4.98/-4.59	-5.48/-6.21	-6.15/-6.39	-6.41/-7.01	-7.6/-8.62	-10.06/-10.82	-12.34/-13.46	-11.37/-9.58	-9.57/-8.51	-7.19/-6.51	-6.41/-5.4	-4.48/-4.38	-4.66/-4.91	-4.77/-4.65	-5.43/-5.82	-6.73/-7.64	-8.42/-8.91	-10.51/-14.6
Θ(7.5°)	-19.23/-18.05	-18.33/-16.37	-12.61/-10.35	-8.87/-6.27	-4.93/-3.93	-4.04/-4.33	-3.25/-3.55	-4.03/-4.9	-5.81/-7.67	-9.52/-11.74	-14.76/-17.44	-18.4/-18.51	-18.03/-16.12	-12.19/-9.67	-9.07/-8.29	-6.65/-4.84	-4.25/-4.26	-3.33/-2.59	-3.03/-3.83	-4.19/-5.17	-5.83/-7.16	-9.48/-10.16	-11.26/-12.42	-14.11/-16.83
Θ(15°)	-12.74/-11.15	-11.33/-11.32	-11.2/-12.03	-8.16/-6.71	-5.83/-5.07	-5.47/-5.91	-7.13/-6.56	-6.34/-6.18	-6.93/-7.63	-9.27/-14.15	-19/-18.01	-12.92/-11.16	-9.98/-9.78	-8.87/-8.65	-8.63/-7.74	-5.66/-4.66	-3.74/-3.44	-2.26/-1.87	-3.06/-4.13	-4.96/-6.22	-7.3/-6.82	-6.31/-6.29	-8.08/-11.15	-14.71/-14.63
Θ(22.5°)	-12.92/-12.5	-10.84/-9.98	-8.58/-7.78	-7.37/-6.53	-5.66/-6.33	-8.34/-12.3	-14.17/-15.09	-17.79/-17.25	-13.84/-12.33	-12.56/-13.25	-14.21/-10.02	-7.82/-6.43	-5.99/-5.83	-4.48/-3.67	-4.5/-25	-5.48/-4.66	-2.88/-1.77	-1.01/-1.81	-3.08/-3.88	-4.36/-5.21	-8.51/-8.05	-6.41/-6.4	-6.27/-10.53	-15.81/-13.62
Θ(30°)	-17.77/-12.52	-10.16/-9.13	-10.22/-11.99	-12.99/-12.4	-8.27/-5.18	-6.13/-6.5	-6.81/-5.74	-7.8/-12.44	-14.7/-15.95	-18.46/-12.73	-8.97/-5.36	-2.03/-0.91	-1.15/-1.93	-3.04/-4.33	-4.01/-3.54	-5/-5.87	-5.92/-5.18	-3.26/-1.96	-1.63/-1.83	-2.79/-6.21	-2.59/-2.95	-2/-3.1	-12.56/-12.96	-8.70/-10.56
Θ(37.5°)	-6.61/-6.17	-7.23/-11.11	-12.78/-11.18	-11.73/-9.7	-4.55/-3.65	-7.16/-6.11	-4/-0.3	-6.72/-10.07	-12.4/-17.83	-5.13/-0.89	-1.62/-1.6	-0.94/-1.17	-1.39/-3.1	-5/-2.85	-0.250/-7.2	-0.74/-9.1	-6.36/-6.17	-6.86/-5.36	-3.28/-2.2	-3.3/-3.28	-2.96/-3.83	-1.14/-3.43	-7.76/-6.1	-4.04/-4.63
Θ(45°)	-3.36/-0.95	-0.18/-2.63	-4.86/-6.06	-7.21/-4.14	-2.75/-3.66	-7.24/-2.94	-3.44/-10.94	-12.94/-4.32	-1.62/-0.57	-6.68/-2.15	-4.33/-4.8	-6.04/-4.67	-1.12/-0.32	-3.79/-5.17	-0.61/-0.61	-0.36/-4.3	-9.31/-2.51	-6.23/-5.92	-4.37/-3.04	-0.8/-2.69	-3.65/-4.14	-0.9/-2.22	-2.9/-3.12	-4.71/-5.43
Θ(52.5°)	-1.630/-66	1.79/-0.99	-3.18/-5.22	-7.72/-4	-4.95/-4.91	-2.822/-92	-0.86/-6.5	-3.58/-2.24	-1.64/-4.61	-4.32/-2.05	-1.27/-0.05	-3.21/-6.6	-2.95/-1.7	-0.62/-3.56	0.64/-16	-1.09/-3.54	-5.65/-2.33	-3.87/-1.78	-0.52/-0.27	2.21/-18.7	-2.84/-1.34	0.310/-19	0.44/-1.84	-3.73/-2.87
Θ(60°)	1.51/95	1.58/-0.78	-2.65/-5.22	-0.93/-3.1	-7.71/-4.08	0.345/-16	2.780/-67	-0.39/-2.02	0.910/-7.1	0.80/05	-0.850/-6	-0.28/-4.39	-5.750/-2	0.23/-2.28	-2.04/-93	0.24/-148	-6.45/-8.59	-4.77/-2.13	-0.34/-0.91	0.6/-3.68	-3.05/-0.19	1.11/-62	1.470/-5	1.161/-01