



Radiated Composite Gain Data_Radio 3 2.4GHz,5GHz,6GHz for EUT 2

Appendix E

Θ(120°)	-10.35/-11.41	-8.57/-8.43	-7.84/-7.87	-8.77/-8.06	-8.01/-8.41	-7.49/-11.91	-10.49/-9.81	-8.77/-8.42	-10.09/-9.32	-6.68/-9.07	-8.24/-8.06	-11.92/-11.39	-11.19/-7.53	-7.56/-7.67	-9.04/-9.79	-11.69/-10.54	-10.18/-7.28	-10.41/-11.59	-11.37/-11.7	-12.11/-10.69	-9.22/-7.53	-8.09/-8.73	-7.46/-8.49	-8.13/-10.95
Θ(127.5°)	-11.43/-10.93	-8.43/-11.85	-8.62/-10.02	-9.95/-9.83	-9.98/-10.71	-10.07/-10.09	-9.77/-9.56	-10.19/-8.78	-9.88/-11.76	-10.68/-11.29	-9.77/-11.53	-9.51/-11.65	-9.99/-9.17	-8.24/-9.81	-10.91/-10.38	-9.99/-9.59	-9.31/-9.39	-9.79/-10.72	-9.01/-10.82	-9.28/-11	-11.63/-7.75	-8.58/-10.17	-9.27/-9.85	-10.38/-9.91
Θ(135°)	-10.49/-10.8	-11.79/-8.87	-9.46/-11.81	-11.38/-10.97	-10.64/-10.11	-11.5/-10.72	-9.02/-8.61	-10.04/-10.74	-7.44/-9.64	-11.58/-11.05	-8.32/-11.38	-10.73/-10.64	-9.13/-8.79	-8.79/-8.51	-8.14/-10.43	-12.08/-9.38	-12.18/-12.13	-11.63/-9.24	-11.94/-10.47	-12.64/-11.11	-8.29/-9.73	-9.68/-9.84	-10.21/-9.65	-10.66/-11.45
Θ(142.5°)	-10.45/-11.39	-10.32/-10.9	-11.9/-11.17	-12.02/-10.31	-9.02/-9.05	-10.14/-11.06	-10.89/-9.09	-8.65/-8.89	-8.62/-7.65	-7.87/-9.85	-9.08/-8.16	-8.98/-11.39	-8.82/-8.65	-10.5/-9.14	-9.62/-11.71	-11.67/-11.75	-12.1/-11.82	-12.6/-11.58	-10.83/-9.25	-9.62/-9.8	-10.4/-11.42	-11.29/-7.87	-9.3/-11.44	-9.37/-7.71
Θ(150°)	-10.59/-12.32	-10.91/-10.74	-11.82/-11.24	-12.12/-12.46	-12.4/-9.58	-9.88/-9.46	-9.84/-9.61	-9.72/-8.69	-9.04/-8.48	-7.79/-9.27	-8.41/-8.29	-9.25/-9.5	-10.41/-9.73	-8.91/-11.56	-11.91/-12.04	-12.45/-12.14	-10.34/-11.71	-12.68/-12.02	-9.57/-11.44	-11.23/-12.01	-12.53/-10.99	-10.47/-11.4	-11.51/-12.32	-11.13/-10.77
Θ(157.5°)	-12.46/-11.26	-11.76/-12.68	-11.96/-12.66	-12.26/-12.09	-11.87/-11.73	-12.48/-11.63	-11.16/-10.42	-10.04/-9.4	-9.76/-10.24	-10.21/-10.82	-11.26/-10.19	-9.07/-10.25	-12.26/-12.16	-10.13/-10.32	-11.95/-12.26	-12.4/-12.14	-12.01/-12.25	-11.25/-11.75	-11.86/-12.08	-12.09/-12.36	-12.47/-10.44	-9.05/-9.55	-12.07/-11.64	-11.07/-11.47
Θ(165°)	-11.54/-12.19	-11.45/-11.83	-11.83/-12.55	-12.66/-12.06	-11.87/-12.54	-12.68/-12.37	-11.73/-12.34	-11.62/-11.05	-11.09/-11.8	-10.24/-9.85	-11.21/-11.83	-11.94/-12.38	-11.9/-12.23	-11.98/-11.75	-12.74/-12.18	-12.51/-12.05	-12.35/-12.19	-12.15/-11.72	-12.41/-12.37	-11.91/-11.72	-11.79/-12.24	-11.77/-11.08	-10.28/-10.13	-11.51/-11.14
Θ(172.5°)	-12.15/-12.34	-12.46/-11.76	-11.55/-11.95	-12.09/-11.97	-11.86/-11.6	-12.21/-12.48	-12.08/-12.86	-12.32/-11.84	-11.62/-12.07	-12.27/-11.69	-11.14/-10.72	-11.04/-11.45	-12.24/-12.22	-12.03/-12.16	-11.91/-12.47	-12.22/-12.06	-11.48/-11.47	-11.71/-12.26	-12/-12.21	-10.86/-11.08	-10.67/-10.99	-11.69/-12.15	-11.86/-11.44	-11.85/-12.53
Θ(180°)	-12.17/-12.42	-12.18/-12.96	-12.5/-11.95	-12.63/-12.51	-11.67/-11.55	-10.82/-10.63	-10.35/-10.71	-10.7/-11.22	-11.04/-10.91	-9.84/-10.9	-11.15/-11.57	-11.21/-12.03	-10.6/-10.84	-11.87/-11.61	-12.57/-12.32	-11.83/-11.97	-12.38/-12.25	-12.17/-12.68	-12.12/-12.45	-12.52/-11.74	-12/-12.05	-11.84/-11.52	-12.54/-12.6	-12.18/-12.69
Freq(Hz)	6.995GPol.	ThetaI-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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°)	8.14/8.04	7.73/7.66	7.85/8.22	8.68/9.2	9.59/9.79	9.93/10.02	10.07/9.77	9.3/8.93	8.15/7.22	6.4/6.55	7.12/7.53	7.78/7.89	7.88/7.79	7.86/7.57	7.56/8.04	8.73/9.06	9.48/9.75	9.98/9.89	9.77/9.54	9.03/8.3	7.53/6.57	6.12/6.66	7.17/6.1	7.94/8.12
Θ(7.5°)	8.25/8.15	7.87/7.39	7.37/7.6	8.19/8.82	9.16/9.54	9.73/9.89	9.88/9.78	9.27/8.71	7.88/6.66	5.43/5.94	6.64/7.31	7.79/8.04	8.2/8.1	7.84/7.52	7.29/7.76	8.45/8.86	9.34/9.67	9.99/10.09	9.94/9.74	9.13/8.47	7.61/6.55	5.82/6.51	7.24/7.72	8.1/8.35
Θ(15°)	8.28/8.11	7.77/7.5	7.39/7.64	7.86/8.13	8.37/8.49	8.78/8.83	8.86/8.82	8.51/7.87	7.12/6.29	5.09/5.1	5.81/6.56	7.26/7.73	8.05/8.03	7.78/7.2	6.88/7	7.6/8.27	8.61/8.94	9.13/9.42	9.34/9.26	8.91/7.88	6.89/5.76	4.9/5.37	6.34/7.13	7.7/8.16
Θ(22.5°)	7.55/7.55	7.14/6.68	5.96/5.54	5.69/6.36	7.05/7.63	8.12/8.27	8.33/8.44	8.42/8.01	7.27/6.14	4.92/4.78	5.17/5.9	6.72/7.24	7.27/6.93	6.33/5.75	4.98/4.6	5.16/6.34	7.14/7.45	7.93/8.39	8.72/8.64	8.13/7.15	6.09/5.1	4.83/5.54	6.37/7.09	7.44/7.56
Θ(30°)	6.27/5.97	5.18/5.13	4.55/4.05	4.2/4.97	5.54/6.01	6.08/6.65	7.09/7.03	6.99/6.54	5.84/3.93	4.13/4.01	4.75/5.3	5.53/6.17	6.09/5.2	4.68/4.35	3.56/3.21	3.44/4.62	5.61/6.25	6.66/6.78	7.04/7.05	6.36/5.19	4.21/3.54	3.79/4.42	4.97/5.95	6.1/6.23
Θ(37.5°)	4.91/4.47	3.8/3.92	3.6/2.54	2.44/3.16	4.85/5.29	5.59/5.92	6.77/6.38	5.63/4.99	3.96/3.26	3.4/3.4	4.28/4.66	4.47/5.03	4.26/3.48	3.2/2.33	2.35/2.5	2.4/3.11	3.44/3.95	4.65/5.39	5.11/4.79	4.15/3.36	2.98/2.7	2.21/3.4	3.48/4.31	4.76/4.78
Θ(45°)	3.65/4.41	3.66/2.73	2.63/1.5	1.86/3.25	3.86/4.36	4.75/5.34	5.77/6.08	4.79/3.79	2.51/1.34	1.27/2.01	2.2/3.45	3.72/3.23	3.53/3.92	3.24/1.32	1.29/0.5	0.82/1.93	2.41/2.9	3.15/3.77	3.79/3.62	2.83/1.7	0.71/0.72	1.41/2.61	2.86/2.6	3.59/3.97
Θ(52.5°)	0.49/1.44	2.21/6.3	1.34/1.43	1.23/3.1	3.72/3.1	4.1/4.95	4.94/4.61	3.83/1.7	-0.37/0.4	0.79/1.31	1.42/1.95	2.11/2.41	1.75/2.32	1.88/0.3	-0.28/-0.48	-0.63/-0.24	0.76/1.85	1.86/1.42	0.66/1.37	0.51/-0.79	-0.65/-0.68	-0.07/0.96	1.88/2.49	2.12/1.97
Θ(60°)	-3.91/-1.55	-0.26/-0.25	0.27/0.01	0.02/1.26	2.39/2.77	4.14/4.16	4.22/4.16	2.88/1.03	-0.25/-0.25	0.2/0.14	0.14/-0.3	0.18/0.52	-1.34/-0.34	0.47/-0.8	-1.09/-0.94	-1.88/-0.97	-0.32/0.54	-0.43/0.54	0.19/0.85	1.04/-0.73	-0.17/-0.67	-1.67/-0.55	-0.05/0.04	0.05/-0.97
Θ(67.5°)	-4.63/-4.38	-1.31/-0.84	-0.92/-0.64	-1.48/0.59	1.48/2.1	2.81/2.44	3.1/3.24	1.65/0.65	-0.36/-0.87	-1.39/-1.33	-1.17/-2.11	-1.88/-2.14	-4.62/-3.78	-1.92/-1.87	-1.3/-2.35	-3.29/-2.46	-2.95/-2.82	-4.25/-1.62	-0.82/0.34	0.21/0.57	0.65/-0.19	-1.95/-1.53	-1.72/-2.57	-3.01/-3.21
Θ(75°)	-5.46/-3.79	-2.28/-0.65	-1.91/-1.25	-2.71/-1.89	-0.17/-0.24	0.77/0.71	0.18/0.41	0.35/-1.23	-2.28/-1.49	-2.46/-1.99	-2.09/-4.17	-3.98/-3.06	-6.94/-6.2	-3.97/-3.02	-2.7/-3.98	-4.3/-2.64	-3.97/-3.61	-3.81/-1.72	-1.63/-0.57	-0.42/0.14	-1.29/-0.71	-2.45/-3.05	-3.49/-5.42	-5.13/-4.11
Θ(82.5°)	-5.82/-4.54	-2.13/-1.23	-2.59/-2.71	-4.83/-3.65	-1.98/-1.72	-1.94/-1.5	-1.83/-2.15	-2.58/-3.32	-3.39/-2.54	-3.85/-3.28	-4.11/-6.17	-4.43/-3.06	-6.36/-4.83	-3.47/-2.46	-3.48/-5.75	-3.6/-2.77	-3.52/-2.97	-2.3/-1.69	-1.85/-1.1	-1.02/-0.39	-2.13/-1.46	-2.95/-3.37	-4.46/-5.81	-5.12/-4.55
Θ(90°)	-6.1/-5.52	-3/-2.94	-4.05/-3.75	-3.86/-4.2	-3.94/-2.96	-4.56/-4.14	-2.72/-2.22	-3.84/-4.15	-2.97/-3.87	-4.53/-4.39	-5.52/-7.4	-5.76/-4.45	-5.83/-5.77	-3.37/-2.97	-3.33/-6.42	-6.07/-6.22	-5.45/-4.83	-1.55/-2.35	-0.97/-1.09	-0.96/-0.36	-2.37/-1.91	-4.05/-4.61	-6.73/-7.91	-8.14/-5.27
Θ(97.5°)	-7.3/-8.13	-4.7/-4.91	-4.99/-6.19	-4.44/-6.53	-6.06/-4	-4.9/-5.02	-4.17/-1.87	-3.85/-4.49	-4.13/-4.65	-5.97/-7.48	-7.68/-8.41	-8.29/-6.11	-7.68/-6.62	-4.79/-4.42	-5.41/-8.04	-11.35/-9.23	-9.82/-5.67	-2.54/-6.05	-3.53/-3.52	-4.04/-3.29	-6.24/-3.97	-4.91/-6.09	-7.52/-10.35	-8.96/-7.61
Θ(105°)	-8.39/-9.14	-7.21/-9.33	-7.56/-8.54	-6.37/-9.3	-6.55/-6.17	-5.88/-6.36	-6.98/-4.84	-2.86/-5.03	-5.44/-4.57	-9.17/-8.4	-9.65/-11.31	-11.43/-9.96	-9.21/-8.86	-8.14/-10.58	-10.14/-10.42	-9.93/-6.88	-7.9/-7.9	-8.95/-9.27	-6.55/-5.11	-6.95/-8.07	-7.87/-8.44	-7.89/-8.98	-6.38/-9.23	-8.57/-8.53
Θ(112.5°)	-8.64/-8.14	-8.78/-9.28	-9.85/-10.01	-9.71/-12.04	-6.91/-7.92	-8.38/-8.02	-6.32/-4.66	-3.58/-6.41	-5.83/-7	-11.18/-9.97	-11.59/-11.41	-11.12/-8.05	-9.4/-8.01	-5.74/-7.48	-8.91/-8.19	-7.78/-7.66	-6.18/-10.52	-5.33/-6.7	-5.91/-6.91	-5.01/-5.83	-7.83/-7.85	-8.28/-9.7	-11.34/-10.98	-8.54/-7.5
Θ(120°)	-10.24/-8.8	-10.72/-10.31	-11.08/-11.17	-10.93/-11.49	-9.23/-8.18	-9.28/-7.88	-6.47/-5.47	-5.36/-4.98	-8.42/-10.5	-10.3/-12.31	-12.1/-11.31	-11.74/-8.01	-9.76/-8.75	-6.69/-8.09	-11.87/-10.16	-10.19/-8.99	-10.62/-10.58	-9.31/-9.58	-4.97/-8.69	-9.42/-7.85	-9.52/-9.06	-9.68/-11.96	-11.15/-12.26	-11.43/-9.78
Θ(127.5°)	-11.12/-10.94	-11.81/-12.25	-12.05/-11.57	-12.09/-10.41	-9.92/-10.73	-9.4/-9.56	-9.33/-7.62	-8.49/-11.11	-11.09/-9.87	-10.43/-10.67	-12.39/-11.6	-10.64/-10.23	-11.03/-10.59	-10.35/-10.73	-11.89/-10	-11.93/-10.89	-8.46/-11.9	-10.47/-9.31	-7.41/-10.09	-8.94/-8.88	-10.95/-8.34	-10.57/-10.45	-10.53/-9.7	-10.83/-10.47
Θ(135°)	-10.29/-11.4	-12/-11.74	-10.91/-10.78	-12.49/-9.84	-7.93/-7.96	-7.6/-8.15	-9.95/-10.68	-11.02/-9.37	-10.32/-10.23	-10.74/-11.21	-11.55/-9.51	-11.29/-11.36	-12.14/-10.26	-12.52/-10.37	-11.06/-11.95	-12.1/-10.29	-7.76/-11.26	-11.02/-8.54	-7.3/-10.44	-7.64/-7.48	-12.61/-11.34	-11.94/-11.22	-12.4/-11.25	-12.38/-10.54
Θ(142.5°)	-11.88/-9.19	-9.97/-10	-9.01/-8.81	-10.96/-11.1	-8.78/-7.84	-8.9/-8.63	-9.23/-10.42	-11.48/-11.3	-10.74/-10.69	-10.74/-11.64	-12.5/-12.23	-12.24/-12.01	-12.23/-10.72	-10.73/-9.96	-11.48/-11.68	-11.83/-12.64	-12.34/-10.24	-9.39/-9.15	-7.58/-7.42	-8.66/-9.17	-10.2/-9.87	-10.83/-11	-10.75/-10.61	-9.57/-10.55
Θ(150°)	-10.85/-12.01	-11.33/-12.5	-10.92/-12.55	-11.86/-10.87	-10.16/-10.25	-9.79/-11.35	-9.79/-9.24	-9.79/-10.42	-12.15/-12.53	-12.59/-11.75	-11.76/-12.5	-12.2/-12.11	-11.19/-11.53	-11.92/-11.45	-10.31/-12.13	-12.28/-11.11	-11.06/-11.57	-12.28/-11.78	-10.34/-9.89	-12.1/-12.12	-11.37/-11.98	-11.96/-12.05	-11.26/-10.52	-11.26/-11.06
Θ(157.5°)	-12.43/-12.64	-11.12/-11.75	-11.76/-12.57	-11.43/-11.72	-10.85/-9.62	-10.05/-11.05	-11.6/-11.51	-11.28/-11.78	-12.56/-12.44	-12.24/-12.34	-12.17/-12.38	-11.55/-12.58	-12.08/-11.91	-12.39/-12.62	-11.86/-10.31	-10.61/-12.5	-11.92/-11.19	-12.26/-12.9	-12.11/-12.28	-12.32/-11.97	-11.97/-12.25	-12.32/-11.99	-11.7/-10.34	-10.92/-11.07
Θ(165°)	-12.1/-12.44	-12.29/-12.13	-12.03/-12.05	-12.14/-11.86	-12.15/-12.13	-11.94/-11.33	-10.98/-10.84	-10.94/-12.28	-12.19/-11.8	-12.06/-12.11	-12.69/-12	-11.67/-11.78	-12.15/-12.06	-12.25/-12.1	-11.91/-12.09	-12.21/-12.35	-12.38/-12.34	-11.52/-11.42	-11.21/-10.95	-11.23/-12.23	-11.73/-			



Sporton International Inc. Hsinchu Laboratory



Radiated Composite Gain Data_Radio 3 2.4GHz,5GHz,6GHz for EUT 2

Appendix E

Θ(75°)	-2.43/-3.15	-2.31/-2.14	-1.18/-3.12	-4.66/-7.16	-18.35/-11.42	-9.74/-9.1	-12.15/-10.23	-9.52/-15.65	-18.18/-13.06	-18.54/-16.36	-13.36/-9.67	-6.94/-6.07	-5.14/-4.32	-3/2/25	-1.9/-2.67	-3.35/-2.06	-1.08/-0.55	-0.76/-2.22	-5.3/-9.52	-14.35/-18.37	-14.96/-12.73	-11.18/-7.42	-6.49/-9.5	-6.37/-5.12
Θ(82.5°)	-3.76/-6.14	-3.71/-3.23	-1.63/-1.5	-2.5/-3.47	-9.52/-10.5	-10.99/-7.51	-7.23/-12.25	-9.84/-13.36	-17.42/-15.5	-17.53/-12.61	-14.7/-14.9	-7.94/-8.05	-5.33/-4.32	-5.67/-3.63	-3.34/-6.58	-6.51/-3.67	-2.22/-1.07	-1.59/-2.98	-7.53/-11.83	-15.48/-18.37	-17.83/-13.28	-10.79/-7	-8.77/-11.45	-11.58/-5.82
Θ(90°)	-5.02/-7.07	-5.4/-3.41	-3.98/-2.55	-3.45/-4.59	-7.55/-12.58	-10.01/-9.73	-6.05/-8.25	-14.36/-14.65	-17.42/-16.93	-18.1/-11.71	-7.38/-8.93	-6.68/-6.91	-7.22/-4.49	-7.47/-6.01	-5.34/-3.99	-6.02/-6.14	-1.52/-15.09	-1.98/-15.09	-16.8/-16.61	-17.98/-15.09	-11.02/-10.5	-13.21/-12.18	-13.31/-6.61	
Θ(97.5°)	-6.75/-7.14	-6.95/-4.68	-7.48/-5.29	-5.39/-9	-8.04/-17.01	-12.75/-10.76	-9.37/-19.18	-17.41/-18.06	-17.58/-14.6	-18.74/-14.76	-16.32/-12.06	-8.67/-9.89	-10.65/-8.67	-9.78/-6.78	-7.17/-10.13	-10.97/-9.67	-7.96/-6.82	-7.45/-11.56	-17.99/-14.91	-15.84/-17.65	-18.68/-17.5	-13.42/-15.14	-17.25/-17.98	-15.58/-8.06
Θ(105°)	-7.74/-7.88	-8.87/-6.56	-9.45/-9.05	-6.63/-10.81	-9.58/-18.89	-18.17/-13.11	-15.25/-17.24	-17.32/-18.07	-13.46/-16.26	-18.41/-12.66	-16.14/-12.86	-14.74/-12.83	-12.57/-10.75	-8.07/-11.49	-10.81/-9.22	-9.6/-7.63	-8.83/-14.16	-15.2/-14.2	-16.44/-17.56	-17.87/-18.04	-18.04/-19.06	-14.28/-15.9	-14.71/-12.27	
Θ(112.5°)	-13.83/-10.52	-11.59/-8.92	-9/-11.99	-8.76/-12.44	-14.82/-17.83	-17.86/-11.94	-19.03/-17.85	-16.76/-14.23	-18.51/-13.46	-16.42/-16.15	-13.21/-11.08	-13.39/-13.42	-12.24/-16.34	-17.56/-11.85	-10.71/-9.62	-10.01/-11.98	-14.28/-16.34	-16.69/-16.12	-17.64/-17.9	-17.13/-19.03	-14.93/-18.93	-19.06/-17.6		
Θ(120°)	-17.56/-19.55	-15.83/-11.67	-11.26/-12.87	-14.77/-13.92	-16.51/-18.54	-17.62/-18.01	-17.36/-18.17	-18.16/-18.51	-18.78/-15.08	-18.73/-18.42	-17.59/-15.92	-18.15/-16.86	-18.63/-15.12	-18.23/-14.03	-14.17/-16.74	-18.22/-17.24	-16.59/-16.87	-16.87/-13.81	-17.25/-18.62	-18.7/-17.73	-17.33/-18.71	-18.56/-18.89	-16.6/-17.84	-18.9/-18.25
Θ(127.5°)	-16.04/-17.57	-17.92/-13.72	-18.26/-15.09	-16.86/-14.09	-17.38/-18.44	-19.01/-18.13	-14.28/-11.65	-16.93/-15.85	-17.86/-15.8	-16.93/-18.27	-18.27/-19.02	-17.97/-19.05	-14.78/-18.26	-18.57/-17.09	-13.09/-16.31	-16.03/-18.31	-17.96/-16.23	-17.26/-18.15	-17.83/-18.98	-18.13/-16.77	-17.93/-18.45	-18.03/-18.06	-18.25/-18.45	-18.65/-17.78
Θ(135°)	-17.87/-17.1	-14.96/-14.52	-15.16/-13.55	-17.86/-18.52	-13.49/-18.49	-18.85/-14.82	-18.74/-18.26	-18.95/-17.16	-17.44/-12.82	-18.41/-17.94	-17.57/-18.59	-16.43/-17.29	-14.97/-17.96	-18.73/-17.49	-18.03/-17.54	-18.59/-16.4	-16.15/-12.63	-13.59/-11.85	-14.22/-17.22	-18.37/-16.71	-17.49/-18.44	-17.58/-14.01	-18.37/-18.99	-18.81/-18.74
Θ(142.5°)	-18.63/-18.78	-18.66/-18.34	-19.02/-18.22	-18.29/-16.51	-15.89/-17.9	-15.77/-18.24	-15.49/-17.02	-17.51/-14.21	-18.1/-13.81	-19.34/-18.52	-18.67/-17.33	-18.08/-18.76	-18.71/-18.24	-18.19/-18.55	-18.6/-18.58	-18.2/-18.63	-17.68/-17.98	-19/-17.18	-18.57/-18.68	-18.01/-18.47	-18.19/-18.06	-18.67/-17.69	-19.12/-18.18	-19.05/-14.58
Θ(150°)	-18.52/-18.42	-16.03/-18.14	-18.02/-15.07	-17.19/-18.71	-18.51/-17.24	-17.88/-18.87	-16.5/-15.85	-18.58/-19	-17.97/-18.4	-17.95/-19	-18.71/-18.19	-17.44/-17.48	-17.45/-18.16	-17.99/-19.23	-17.94/-18.51	-18.28/-18.11	-19.09/-19	-18.97/-17.73	-17.95/-18.84	-18.28/-18.46	-16.28/-18.22	-18.02/-18.61	-18.76/-17.98	-18.43/-13.04
Θ(157.5°)	-18.09/-18.21	-18.96/-18.28	-18.48/-18.27	-17.8/-18.71	-18.14/-18.86	-17.95/-18.48	-19.09/-18.59	-19.05/-17.16	-18.88/-19.37	-18.59/-17.61	-18.75/-18.17	-18.22/-18.42	-18.40/-19.16	-18.76/-17.91	-18.22/-18.93	-18.66/-17.45	-18.76/-18.94	-18.74/-18.47	-18.39/-17.45	-18.54/-18.19	-18.51/-18.46	-17.33/-18.79	-18.63/-18.92	-18.05/-18.75
Θ(165°)	-18.52/-17.94	-17.98/-17.82	-18.9/-18.17	-18.62/-18.77	-18.02/-18.88	-17.97/-18.26	-19.03/-18.65	-17.85/-18.36	-19.07/-18.78	-18.65/-18.54	-18.58/-18.32	-18.34/-17.37	-17.63/-18.19	-17.79/-18.34	-17.78/-17.42	-17.82/-18.28	-18.17/-18.75	-18.61/-18.28	-18.62/-18.21	-17.29/-17.95	-18.36/-19.26	-18.9/-18	-17.87/-18.56	-18.09/-18.39
Θ(172.5°)	-19.17/-17.29	-18.43/-18.37	-18.92/-18.42	-18.28/-18.69	-18.6/-18.69	-17.78/-18.43	-18.35/-19.28	-18.57/-18.25	-17.78/-17.64	-18.15/-19	-19.18/-19.21	-18.42/-17.84	-18.09/-17.78	-17.27/-17.82	-17.55/-18.07	-18.63/-17.79	-18.77/-18.19	-18.41/-17.7	-18.9/-18.63	-18.16/-17.87	-17.55/-18.41	-17.73/-17.86	-18.27/-18.26	-17.97/-17.41
Θ(180°)	-18.21/-18.2	-17.53/-17.99	-17.32/-18.65	-17.85/-18.86	-17.75/-18.7	-18.17/-17.39	-18.82/-18.29	-19.06/-18.13	-17.37/-18.07	-18.77/-18.37	-18.29/-18.32	-18.46/-19.01	-18.65/-18.56	-17.44/-18.79	-18.31/-18.59	-18.11/-18.87	-18.39/-18.83	-18.18/-18.65	-19.17/-18.07	-18.33/-18.95	-18.23/-18.18	-18.62/-18.45	-19.16/-18.09	-18.16/-18.4
Freq(Hz)	6.475GPdL	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°)	0.59/-0.94	-2.78/-4.8	-6.43/-5.85	-4.03/-2.01	-0.14/-11	2.17/3.08	3.92/4.52	5.16/5.17	5.13/5.06	5.03/4.7	4.21/3.59	2.61/1.81	0.41/-11	-3.4/-5.73	7.22/6.24	4.17/-14.9	0.19/-12.2	2.49/3.37	4.15/4.64	4.97/5.17	5.24/5.85	4.22/3.69	3.91/3.96	
Θ(7.5°)	-0.85/-2.78	-4.74/-6.34	-6.6/-5.39	-3.45/-1.85	-0.21/21	2.26/3.04	3.85/4.39	4.91/5.15	5.13/5.02	4.54/4.56	3.93/3.05	1.97/0.85	-0.72/-2.75	-5.69/-8.05	-7.52/-5.88	-3.13/-0.71	0.82/29	3.34/4.17	4.75/5.32	5.65/5.79	5.83/5.78	5.48/4.8	4.16/3.29	2.07/0.79
Θ(15°)	0.52/-0.77	-2.57/-5.04	-7.39/-8.21	-7.01/-4.61	-2.4/-0.33	1.16/2.53	3.64/5.1	4.82/4.87	4.82/4.62	4.26/3.85	3.01/2.18	1.09/-0.13	-1.4/-3.57	-6.53/-9.61	-10.62/-9.18	-5.04/-2.62	-0.37/1.43	2.51/3.44	3.94/4.08	4.08/4.13	4.35/4.74	4.75/4.44	3.88/2.92	1.98/1.33
Θ(22.5°)	0.43/-2.04	-5.11/-7.16	-8.78/-9.03	-8.08/-6.28	-2.18/-1.12	-0.11/109	0.25/3.64	4.12/4.37	4.52/3.93	3.06/2.06	0.94/0.31	-0.16/-0.66	-1.81/-3.52	-5.28/-7.73	-10.4/-8.1	-7.13/-6.15	-3.16/-0.65	1.29/2.9	3.73/8.2	3.65/3.5	3.62/3.33	2.77/1.99	1.67/1.53	
Θ(30°)	-1.89/-5.73	-7.23/-8.98	-12.2/-13.67	-11.13/-8.31	-5.39/-2.59	-0.44/127	2.52/2.66	2.42/2.77	3.16/2.99	2.16/0.95	-0.17/-0.98	-0.68/-0.12	-1.24/-3.35	-5.46/-7.46	-10.01/-11.77	-8.7/-6.54	-4.31/-2.08	-0.11/45	2.72/3.31	3.34/3.03	2.06/2.43	2.78/2.54	1.87/0.48	0.30/4.2
Θ(37.5°)	-5.27/-5.66	-9.28/-9.59	-13.52/-17.19	-15.12/-8.53	-5.2/-3.43	-1.901/-17.51	-1.866/-14.21	-0.181/69	1.33/1.74	1.91/0.54	-0.16/-0.52	-1.33/-1.62	-1.2/-0.85	-2.52/-4.67	-10.05/-16.55	-11.41/-7.92	-4.06/-1.43	-1.1/-0.45	0.94/1.58	1.94/2.11	0.97/1.01	1.70/1.87	0.61/-5.06	-1.17/-3.24
Θ(45°)	-4.55/-7.14	-10.19/-19.94	-18.2/-17.67	-10.44/-9.3	-8.35/-6.91	-4.43/-3.21	-2.76/-0.87	0.2/-0.26	0.30/0.7	1.91/0.7	-1.12/-2.21	-2.84/-1.84	-1.92/-2.28	-3.29/-4.02	-4.52/-6.99	-10.46/-15.01	-15.91/-13.92	-3.32/-1.25	-1.42/-0.79	-0.83/-1.27	-1.33/-0.43	1.07/0.83	-0.76/-2.03	-4.46/-5.91
Θ(52.5°)	-8.36/-14.13	-12.92/-19.03	-17.77/-17.21	-18.35/-15.47	-8.9/-5.28	-3.59/-4.22	-4.26/-3.04	-2.08/-1.27	-1.24/-2.65	-3.46/-2.77	-1.99/-2.41	-4.25/-5.17	-3.57/-3.61	-5.45/-8.58	-14.84/-18.47	-18.94/-13.59	-10.73/-7.08	-5.37/-3.66	-2.36/-1.79	-2.47/-3.85	-3.85/-2.85	-2/-3.64	-2.86/-4.32	-6.01/-7.29
Θ(60°)	-11.87/-15.66	-15.61/-16.61	-15.48/-16.13	-14.97/-12.41	-8.79/-4.66	-4.56/-4.44	-3.56/-2.54	-2.24/-1.94	-5.52/-4.37	-1.59/-3.12	-5.51/-8.85	-5.1/-5.44	-5.96/-8.7	-17.34/-18.24	-16.24/-14.89	-12.17/-7.19	-5.93/-4.88	-4.92/-2.82	-3.28/-4.3	-5.78/-4.81	-3.68/-5.99	-5.16/-6.17	-10.07/-9.8	
Θ(67.5°)	-13.25/-17.07	-18.43/-15.03	-9.08/-10.2	-1.88/-8.88	-7.73/-5.53	-6.96/-5.09	-3.94/-2.88	-3.1/-3.9	-4.45/-3.14	-5.34/-3.99	-2.98/-5.74	-10.57/-9.34	-9.41/-11.55	-11.28/-13.92	-17.47/-15.79	-13.92/-13.22	-11.25/-6.97	-5.93/-5.78	-6.41/-4.24	-7.77/-4.54	-5.81/-6.08	-3.95/-8.05	-7.47/-9.11	-17.71/-8.82
Θ(75°)	-14.7/-17.01	-17.98/-13.51	-9.12/-11.19	-8.14/-8.06	-7.1/-9.49	-10.57/-6.97	-6.39/-5.04	-5.08/-5.38	-4.72/-3.73	-5.65/-5.77	-4.13/-7.32	-11.55/-12.16	-14.08/-18.26	-16.02/-14.79	-15.71/-15.26	-13.75/-14.75	-10.32/-6.7	-6.15/-7.89	-9.17/-6.25	-5.75/-4.67	-5.45/-5.92	-4.78/-11.07	-10.07/-13.37	-17.81/-9.39
Θ(82.5°)	-18.65/-17.98	-17.24/-13.86	-10.72/-13.15	-8.77/-9.17	-6.88/-14.33	-10.87/-8.61	-9.91/-7.6	-5.18/-6.77	-5.95/-9.43	-7.55/-6.64	-7.15/-10.7	-17.58/-14.86	-18.88/-16.69	-17.26/-19.24	-15.68/-18.5	-16.7/-15.1	-9.54/-7.22	-6.91/-9.4	-10.17/-7.25	-6.93/-5.81	-5.95/-6.4	-5.9/-12.34	-11.8/-18.4	-18/-12.69
Θ(90°)	-17.62/-17.87	-18.47/-13.29	-12.81/-15.72	-12.86/-12.49	-10.04/-15.9	-10.54/-9.39	-10.86/-9.46	-7.61/-7.28	-8.44/-6.72	-8.26/-7.97	-9.6/-12.06	-15.2/-18.26	-18.23/-16.66	-17.96/-18.6	-14.92/-18.6	-14.79/-18.99	-12.4/-8.72	-8.25/-10.71	-12.42/-11.79	-9.67/-6.65	-7.83/-7.35	-8.35/-12.39	-14.53/-18.82	-17.42/-17.87
Θ(97.5°)	-18.13/-18.15	-18.04/-13.53	-13.71/-13.34	-14.32/-14.25	-10.5/-16.89	-12.51/-12.45	-13.04/-9.48	-10.29/-10.14	-9.46/-10.69	-10.32/-10.34	-14.73/-16.16	-19.09/-18.8	-18.62/-13.9	-17.92/-18.76	-16.99/-18.36	-17.38/-18.45	-16.37/-10.57	-11.24/-14.82	-19.34/-18.47	-11.36/-8.92	-13.5/-9.74	-12.78/-17.51	-15.75/-18.22	-17.72/-18.5
Θ(105°)	-18.18/-17.92	-18.34/-14.01	-12.02/-13.15	-18.97/-13.63	-13.12/-18.69	-15.17/-16.11	-16.36/-10.63	-12.45/-14.43	-11.54/-13.31	-16.89/-13.83	-12.84/-15.84	-17.79/-17.66	-17.57/-17.1	-17.12/-18	-18.39/-16.16	-13.16/-18.94	-15.64/-12.59	-12.94/-18.79	-18.15/-17.98	-11.57/-12.58	-18.05/-14.23	-17.65/-18.31	-16/-17.3	-18.07/-19.04
Θ(112.5°)	-18.99/-18.6	-19.34/-19.26	-14.39/-18.79	-19.23/-13.25	-17.55/-18.72	-18.44/-16.71	-15.06/-11.68	-10.82/-16.24	-11.39/-16.37	-17.32/-17.39	-13.72/-17.38	-18.97/-17.59	-15.76/-18.42	-18.93/-18.76	-13.97/-17.15	-14.1/-17.79	-18.34/-16.21	-15.04/-18.01	-18.48/-12.15	-9.91/-13.54	-18.07/-11.16	-16.9/-18.14	-17.8/-18.14	-15.86/-17.22
Θ(120°)	-17.49/-19.13	-18.66/-18.77	-18.16/-18.11	-19.01/-17.51	-18.86/-14.21	-18.31/-18.59</																		



Radiated Composite Gain Data_Radio 3 2.4GHz,5GHz,6GHz for EUT 2

Appendix E

Θ(0°)	-0.9/-3.06	-6.08/-8.42	-7.71/-5.58	-2.89/-0.71	1.09/2.59	3.74/5.7	5.22/5.62	5.91/6.34	6.37/6.37	6.11/5.44	4.71/4.03	2.97/1.57	0.01/-2.3	-5.1/-9.26	-11.24/-7.37	-3.54/-1.43	0.88/2.02	3.23/3.56	4.58/5.18	5.68/5.63	5.76/5.62	5.16/4.59	3.97/3.19	2.01/0.79
Θ(7.5°)	-1.18/-3.47	-7.23/-14.33	-15.27/-9.61	-4.62/-1.86	0.26/1.93	3.12/3.96	4.63/5.11	5.39/5.67	5.85/5.74	5.47/4.89	4.24/3.5	2.61/1.57	0.39/-1.12	-3.35/-6.05	-7.34/-5.47	-2.39/-0.53	1.48/2.81	3.82/4.62	5.43/6.19	6.14/6.26	6.04/5.7	5.16/4.61	3.8/2.9	1.79/0.66
Θ(15°)	-1.1/-3.37	-7.42/-11.9	-15.28/-9.5	-6.03/-3.24	-1.06/0.52	2.01/3.16	4.07/4.83	5/5.03	5/5.12	4.79/4.18	3.57/2.86	1.99/0.91	0.17/-0.49	-2.31/-4.58	-6.24/-6.4	-4.16/-1.47	0.01/1.62	3.07/4.03	4.82/5.86	6.35/5.82	5.67/5.16	4.57/3.79	3.07/2.21	1.07/0.13
Θ(22.5°)	-1.29/-3.67	-7.51/-12.19	-19.15/-11.82	-6.53/-3.65	-1.33/-0.09	1.04/1.98	2.93/3.87	4.31/4.49	4.72/4.49	4.01/3.38	2.71/2.03	1.82/1.2	-0.1/-1.8	-3.69/-5.6	-7.66/-8.1	-5.58/-2.45	-0.13/1.34	2.87/3.85	4.91/5.93	6.06/5.54	5.12/4.79	4.55/3.87	2.86/1.91	1.19/0.1
Θ(30°)	-2.46/-4.95	-7.25/-11.18	-18.2/-15.58	-10.02/-5.3	-2.7/-0.48	0.68/1.29	2.43/3.21	3.59/3.31	3.61/3.71	3.51/2.85	2.77/2.51	1.61/0.87	-0.66/-3	-3.84/-5.68	-8.94/-7.88	-5.83/-3.76	-1.56/-0.06	1.06/0.68	1.24/2.86	3.22/2.15	2.44/3.02	3.64/3.35	2.69/1.98	1.01/-0.45
Θ(37.5°)	-3.67/-4.52	-5.58/-9.99	-16.44/-13.96	-9.11/-6.62	-3.77/-1.28	-0.07/0.13	1.05/1.86	2.08/2.21	1.93/1.87	2.47/2.28	2.66/1.92	0.25/-0.21	-3.1/-5.86	-6.25/-9.53	-8.59/-6.77	-5.36/-5.18	-3.9/-2.89	-1.33/-1.34	-2.38/-0.28	0.87/-0.15	1.04/2.07	1.61/1.92	1.41/0.22	-0.94/-2.16
Θ(45°)	-4.18/-5.81	-6.18/-10.54	-12.76/-12.57	-6.64/-4.28	-5.21/-4.24	-1.49/0.23	1.26/2.24	1.71/1.74	1.23/-0.06	0.29/1.24	0.98/0.75	-0.52/-2.08	-2.93/-5.03	-5.36/-8.99	-8.4/-9.85	-8.48/-6	-3.96/-3.31	-2.65/-1.49	-1.66/-2.04	-0.77/-1.04	-1.02/0.41	0.7/0.78	-0.45/-2.17	-4.42/-3.67
Θ(52.5°)	-8.6/-8.71	-7.85/-9.24	-9.88/-10.8	-8.52/-6.19	-6.38/-4.77	-1.43/0.07	1.1/1.77	1.63/1.85	0.51/-1.19	-1.27/-0.45	-0.61/-1.45	-2.33/-3.69	-4.99/-6.87	-9.32/-11.73	-11.16/-9.9	-10.43/-9.06	-5.68/-3.72	-3.65/-3.74	-2.8/-2.12	-2.3/-2.53	-3.16/-1.32	-0.73/-0.68	-2.57/-3.03	-7.47/-6.41
Θ(60°)	-11.06/-8.69	-8.16/-9.2	-10.85/-12.11	-13.43/-12.33	-6.8/-4.63	-2.73/-1.47	-0.22/0.7	0.89/1.3	-0.65/-2.36	-3.07/-1.99	-2.81/-3.03	-4.37/-5.03	-7.87/-8.53	-11.69/-15.2	-17.78/-13.52	-14.37/-10.31	-6.55/-3.75	-4.3/-2.54	-1.05/-0.69	-0.82/-1.69	-2.56/-3.31	-2.6/-2.14	-3.66/-4.23	-8.3/-10.2
Θ(67.5°)	-12.22/-11.5	-8.85/-10.42	-12.75/-13.22	-17.62/-14.42	-7.8/-5.08	-3.79/-2.54	-1.32/-1.04	-1.57/-0.72	-1.86/-5.25	-5.2/-2.24	-4.18/-4.74	-7.12/-9.71	-11.76/-14.73	-14.03/-17.7	-18.38/-18.89	-18.16/-13.2	-8.67/-7.13	-9.57/-3.25	-2.6/-1.94	-2.3/-2	-3.24/-4.66	-3.94/-3.73	-4.59/-5.24	-10.37/-13.62
Θ(75°)	-13.8/-15.56	-10.91/-12.87	-16.11/-17.82	-18.95/-16.69	-8.86/-7.11	-3.85/-2.85	-3.25/-3.25	-2.86/-3.86	-4.21/-6.73	-6.52/-3.34	-3.85/-7.22	-9.16/-9.23	-14.08/-19.55	-14.31/-15.23	-18.64/-18.4	-18.18/-18.6	-12.07/-8.06	-7.77/-3.73	-5.01/-4.8	-4.42/-3.52	-5.33/-6.24	-4.86/-5.96	-5.54/-8.19	-11.52/-18.72
Θ(82.5°)	-18.4/-18.19	-14.93/-15.47	-16.65/-18.55	-17.89/-14.88	-10.23/-6.79	-4.22/-4.21	-4.56/-5.62	-4.39/-6.3	-6.45/-7.36	-7.12/-3.71	-6.57/-7.57	-7.38/-7.99	-17.23/-18.05	-14.19/-13.94	-16.46/-15.9	-17.72/-17.6	-11.24/-9.66	-6.01/-4.58	-6.57/-5.24	-4.6/-4.21	-5.98/-6.82	-7.89/-8.82	-7.6/-10.43	-13.06/-18.18
Θ(90°)	-18.39/-18.27	-15.16/-18.64	-18.23/-19.01	-15.26/-15.05	-10.46/-7.16	-6.4/-5.95	-6.1/-5.38	-6.66/-5.91	-5.87/-8.36	-8.66/-5.39	-6.75/-9.77	-10.69/-9.18	-12.58/-17.77	-14.18/-11.81	-17.35/-15.56	-14.76/-18.51	-10.17/-11.65	-4.61/-6.87	-5.64/-4.54	-3.84/-4.99	-6.68/-6.89	-9.02/-10.8	-10.65/-13.78	-13.17/-16.75
Θ(97.5°)	-17.68/-18.75	-15.22/-17.52	-18.15/-18.67	-13/-13.63	-12.85/-8.57	-9/-8.02	-6.76/-5.62	-7.11/-6.26	-6.84/-8.89	-10.63/-8.23	-11.18/-11.4	-14.36/-12.9	-17.61/-18.49	-13.37/-13.19	-16.78/-18.13	-18.2/-17.49	-13.63/-13.28	-7.57/-11.86	-6.43/-6.54	-9.58/-9.56	-10.29/-8.49	-10.89/-10.66	-9.32/-13.59	-12.61/-17.21
Θ(105°)	-18.07/-18.2	-17.97/-18.92	-17.62/-16.77	-16.83/-13.79	-13.84/-9.55	-11.58/-9.85	-8.88/-6.47	-5.09/-6.15	-8.69/-10.7	-13.39/-11.01	-15.05/-16.37	-17.63/-17.5	-17.62/-18.11	-13.9/-16.15	-15.64/-17.53	-16.69/-17.49	-16.22/-18.23	-17.65/-17.66	-15.27/-10.65	-14.3/-19.13	-18.88/-17.4	-17.35/-12.11	-11.06/-12.83	-16.22/-17.79
Θ(112.5°)	-17.38/-17.34	-18.04/-18.62	-18.61/-16.08	-16.86/-17.95	-14.83/-14.24	-11.29/-12.25	-9.94/-6.06	-5.1/-8.98	-8.73/-13.2	-15.64/-16.43	-18.37/-18.21	-15.38/-13.44	-18.91/-17.97	-12.56/-12.23	-14.34/-17.89	-16.92/-18.1	-18.37/-18.54	-11.64/-18.23	-16.56/-11.34	-12.42/-10.29	-11.38/-16.4	-18.31/-18.52	-18.33/-18.14	-18.24/-18.83
Θ(120°)	-17.9/-14.82	-18.74/-18.89	-16.97/-17.87	-18.34/-17.28	-17.29/-15.32	-12.25/-11.25	-9.94/-8.67	-7.71/-7.66	-11.37/-18.43	-16.67/-18.63	-19.07/-17.85	-17.61/-15.69	-15.62/-14.28	-18.69/-18.6	-18/-18.55	-19.03/-18.48	-18.28/-18.46	-14.08/-18.52	-9.15/-13.49	-18.61/-18.46	-12.4/-14.38	-14.3/-17.1	-18.79/-18.7	-16.44/-18.36
Θ(127.5°)	-13.89/-16.93	-18.27/-18.05	-19.41/-18.8	-17.77/-18.57	-18.36/-14.68	-12.27/-10.33	-10.09/-9.27	-10.53/-15.05	-15.63/-17.98	-18.37/-15.53	-17.98/-18.43	-18.08/-17.33	-18.68/-18.69	-17.81/-19	-17.11/-17.96	-18.25/-17.1	-17.69/-18.83	-16.25/-17.49	-18.14/-18.07	-17.92/-17.72	-18.41/-11.15	-15.44/-14.73	-17.24/-18.89	-13.21/-16.65
Θ(135°)	-16.1/-17.93	-18.8/-18.92	-18.54/-18.69	-17.66/-18.29	-14.85/-12.54	-11.39/-11.31	-12.67/-13.58	-14.1/-14.56	-18.33/-18.77	-19.06/-18.13	-18.34/-17.91	-19.05/-19.21	-17.44/-17.47	-18.75/-17.33	-17.03/-18.58	-19/-18.77	-18.32/-19.22	-17.89/-11.87	-11.32/-17	-18.22/-18.2	-19.06/-17.61	-19.24/-18.34	-18.34/-19.1	-18.78/-19
Θ(142.5°)	-18.14/-16.8	-19.34/-18.89	-19.01/-16.49	-15.69/-15.28	-14.93/-12.66	-12.68/-15.13	-18.8/-17.8	-18.51/-18.6	-17.44/-18.42	-18/-18.99	-18.69/-18.69	-17.31/-18.34	-18.36/-17.47	-18.6/-18.61	-18.43/-19.08	-16.25/-19.01	-18.63/-18.17	-18/-17.57	-18.29/-18.29	-18.24/-17.36	-18.1/-17.67	-18.54/-15.96	-17.6/-12.95	-17.6/-18.8
Θ(150°)	-18.77/-18	-18.5/-18.99	-15.52/-17.69	-16.56/-15.87	-15.15/-15.02	-15.29/-19.46	-18.09/-17.6	-14.92/-14.59	-18.11/-17.84	-18.4/-18.39	-17.71/-18.78	-17.84/-19.15	-19.15/-18.75	-17.4/-17.79	-18.71/-18.23	-18.6/-18.11	-17.44/-18.02	-17.8/-18.01	-17.38/-17.78	-18.26/-17.37	-18.52/-19.03	-19.05/-17.77	-15.7/-14.82	-17.5/-16.39
Θ(157.5°)	-19.53/-19.23	-17.18/-18.37	-19.02/-18	-17.34/-18.94	-17.16/-18.33	-19.13/-18.2	-18/-18.95	-18.49/-18.85	-19.15/-18.52	-18.59/-18.93	-18.7/-18.44	-18.07/-19.01	-18.06/-17.65	-17.8/-18.45	-18.57/-18.15	-18.6/-19.41	-18.4/-18.09	-18.58/-18.17	-18.83/-18.21	-18.19/-18.3	-18.68/-17.72	-18.86/-17.75	-18.52/-18.1	-18.99/-19.08
Θ(165°)	-18.52/-17.68	-18.26/-19.03	-18.84/-18.49	-18.47/-18.93	-18.02/-18.41	-17.15/-18.8	-18.49/-19.39	-17.9/-18.41	-18.28/-18.32	-18.3/-18.25	-18.29/-17.3	-18.22/-18.46	-18.89/-17.61	-19.05/-18.73	-17.34/-18.6	-18.54/-18.64	-17.66/-18.52	-17.61/-18.88	-18.27/-17.63	-18.71/-18.35	-18.73/-18.25	-18.17/-18.84	-17.76/-18.5	-18.69/-18.81
Θ(172.5°)	-18.88/-18.63	-18.94/-17.79	-17.63/-17.41	-18.6/-17.87	-18.14/-18.63	-17.64/-18.64	-18.52/-18.39	-17.95/-18.49	-17.63/-17.74	-17.22/-18.42	-17.79/-18.47	-17.89/-17.94	-17.96/-17.76	-17.97/-19.01	-18.69/-17.77	-19.13/-18.73	-18.07/-18.17	-18.71/-18.29	-18.01/-18.75	-18.51/-18.98	-17.94/-17.81	-17.86/-17.75	-18.19/-18.75	-18.8/-18
Θ(180°)	-18.74/-17.95	-17.93/-17.89	-17.31/-18.89	-19.01/-18.42	-18.79/-19.13	-18.95/-19.04	-18.47/-19.23	-19.58/-17.92	-17.97/-17.96	-18.69/-18.46	-18.38/-18.84	-18.83/-18.05	-18.06/-18.02	-18.63/-18.48	-17.96/-18.65	-18.12/-18.51	-18.13/-18.02	-17.7/-17.65	-18.67/-17.65	-18/-18.35	-17.11/-18.88	-17.25/-18.66	-17.93/-18.13	-19.07/-18.32



Freq(Hz)	5.2G	5.3G	5.6G	5.785G	5.885G
Ant. 1 Max Gain (dBi)	5.51	5.45	6.54	6.38	6.73
Ant. 2 Max Gain (dBi)	5.14	5.42	6.3	6.55	6.66
Ant. 3 Max Gain (dBi)	5.54	5.88	6.87	6.34	5.62
Ant. 4 Max Gain (dBi)	5.37	5.89	7.05	6.65	5.94
Ant. 1 Polarization/ $\theta(^{\circ})/\phi(^{\circ})$	Theta/0/187.5	Phi/15/90	Phi/15/90	Theta/15/172.5	Theta/15/172.5
Ant. 2 Polarization/ $\theta(^{\circ})/\phi(^{\circ})$	Theta/0/262.5	Theta/22.5/90	Theta/15/90	Theta/15/105	Theta/15/105
Ant. 3 Polarization/ $\theta(^{\circ})/\phi(^{\circ})$	Theta/7.5/262.5	Theta/0/270	Theta/0/270	Phi/7.5/352.5	Theta/0/277.5
Ant. 4 Polarization/ $\theta(^{\circ})/\phi(^{\circ})$	Phi/15/270	Phi/7.5/255	Phi/0/90	Phi/0/90	Phi/0/82.5
Max Gain (dBi)	5.54	5.89	7.05	6.65	6.73
DG [1SS] (dBi)	9	8.75	9.58	9.57	9.06
DG [2SS] (dBi)	6	5.89	7.05	6.65	6.73
DG [4SS] (dBi)	5.54	5.89	7.05	6.65	6.73



Sporton International Inc. Hsinchu Laboratory



Radiated Composite Gain Data_Radio 2 5GHz for EUT 2

Appendix F

Θ (75°)	-2.3/-2.77	-2.22/-2.22	-3/-2.95	-2.16/-3.12	-3.33/-2.62	-2.83/-2.76	-3.48/-3.98	-3.16/-3.69	-3.38/-4.01	-3.23/-2.51	-2.71/-2.48	-2.56/-2.34	-2.32/-1.43	-1.79/-2.24	-2.21/-2.33	-2.5/-2.52	-3.52/-3.31	-3.19/-3.51	-5.22/-4.72	-4.57/-5.05	-5.56/-4.97	-4.1/-2.87	-2.39/-2.67	-2.61/-2.68
Θ (82.5°)	-3.71/-4.72	-4.16/-4.23	-5.22/-4.98	-4.33/-5.63	-5.02/-4.44	-4.51/-4	-4.41/-4.34	-4.11/-4.06	-5.11/-5.17	-4.13/-3.54	-2.92/-3.74	-3.78/-3.86	-4.06/-2.76	-3.73/-3.88	-3.77/-3.51	-4.09/-4	-4.38/-4.37	-4.03/-4.31	-4.63/-5.19	-5.1/-4.92	-5.24/-4.77	-5.78/-4.5	-3.91/-3.51	-3.29/-3.71
Θ (90°)	-5.45/-5.99	-7.11/-6.88	-8.01/-7.78	-6.96/-7.32	-6.92/-6.23	-6.19/-6.16	-5.58/-5.83	-6.31/-5.32	-6.83/-6.9	-5.7/-5.57	-3.55/-4.89	-5.25/-6.2	-5.14/-4.17	-5.38/-6.32	-5.49/-6.34	-5.57/-6.18	-6.56/-7.02	-6.55/-5.82	-5.64/-6.41	-7.29/-6.9	-6.3/-7.13	-8.51/-6.32	-5.81/-4.84	-4.75/-5.13
Θ (97.5°)	-7.93/-7.9	-9.43/-8.8	-10.48/-9.26	-8.46/-9.65	-8.62/-7.79	-8.67/-7.99	-7.31/-7.27	-8.21/-7.05	-8.5/-8.72	-8.89/-6.74	-5.43/-7.95	-7.34/-7.57	-6.42/-7.08	-6.9/-7.96	-8.38/-9.23	-9.07/-8.95	-9.59/-10.1	-9.11/-8.76	-6.8/-9.29	-9.2/-8.96	-7.79/-9.23	-9.63/-7.69	-7.45/-6.52	-6.61/-6.83
Θ (105°)	-10.12/-10.1	-10.99/-10	-11.08/-9.97	-10.42/-10.4	-10.11/-9.7	-10.41/-10.63	-8.84/-8.36	-8.79/-10.24	-10.71/-9.81	-12.45/-7.84	-8.26/-8.38	-9.86/-8.61	-9.5/-7.41	-8.06/-9.89	-10.16/-11.34	-10.92/-10.94	-12.42/-11.07	-10.75/-11.99	-10.64/-10.37	-10.8/-11.43	-10.2/-12.2	-10.96/-9.56	-9.25/-8.22	-9.19/-8.81
Θ (112.5°)	-11.17/-12.64	-11.92/-11.51	-10.86/-10.61	-11.46/-11.15	-10.71/-10.91	-11.35/-11.92	-11.17/-10.53	-8.57/-10.94	-11.68/-10.08	-11.56/-9.84	-12.1/-10.75	-11.23/-9.3	-9.39/-10.4	-10.32/-12.3	-11.08/-11.18	-10.62/-11.06	-12.3/-10.94	-10.44/-12.26	-11.91/-11.12	-12/-11.01	-11.64/-12.01	-11.28/-11.16	-8.92/-10.04	-10.02/-11.95
Θ (120°)	-10.74/-12.04	-12.2/-12.19	-11.38/-12.11	-11.59/-11.56	-11.05/-12.07	-12.18/-11.39	-11.95/-11.91	-10.84/-11.14	-12.39/-12.45	-11.49/-12.21	-10.88/-12.3	-11.58/-12.25	-9.78/-11.65	-12.36/-11.56	-11.7/-12.43	-9.68/-10.69	-12.38/-11.47	-11.37/-12.42	-12.35/-11.34	-12.53/-12.77	-12.1/-11.98	-12.27/-12.31	-11.92/-11.88	-11.3/-11.63
Θ (127.5°)	-11.61/-12.22	-11.67/-12.49	-12.29/-12.37	-12.48/-12.32	-12.52/-12.77	-12.57/-12.33	-12.21/-12.42	-12.48/-11.61	-12.27/-12.1	-11.02/-10.43	-11.57/-11.51	-11.73/-10.87	-11.83/-12.21	-12.33/-11.8	-12.46/-12.3	-10.79/-12.33	-12.32/-12.15	-11.96/-12.02	-11.77/-11.37	-12.48/-12.4	-11.54/-12.36	-12.37/-11.89	-11.8/-10.29	-11.72/-12.23
Θ (135°)	-11.21/-10.36	-11.11/-12.43	-12.1/-12.75	-11.89/-11.85	-12.1/-12.75	-12.53/-12.26	-12.47/-12.2	-12.44/-12.35	-12.76/-12.33	-12.38/-11.63	-12.03/-10.72	-11.61/-11.19	-11.06/-10.87	-12.38/-12.19	-11.5/-11.1	-11.77/-12.49	-12.96/-12	-12.77/-12.45	-12.31/-12.47	-12.12/-12.27	-12.32/-12.4	-12.4/-12.45	-12.26/-11.11	-12.39/-10.33
Θ (142.5°)	-12.4/-10.6	-10/-12.26	-12.24/-11.09	-11.94/-12.91	-11.84/-12.17	-12.42/-12.55	-11.99/-12.51	-12.11/-12.07	-12.56/-10.77	-11.66/-12.53	-11.71/-11.96	-11.83/-11.71	-12.08/-12.43	-12.25/-12.82	-12.2/-12.18	-12.12/-12.44	-12.38/-12.34	-12.18/-12.28	-12.05/-12.13	-11.59/-12.27	-12.59/-12.54	-12.79/-12.49	-12.29/-12.48	-12.18/-12.5
Θ (150°)	-12.42/-11.94	-11.92/-12.43	-12.06/-12.1	-12.39/-12.53	-13.01/-12.2	-12.57/-12.17	-11.99/-12.36	-12.02/-12.31	-12.58/-11.56	-11.63/-12.26	-11.61/-11.4	-12.07/-12.01	-11.38/-11.64	-11.73/-12.44	-12.88/-12.22	-12.08/-12.2	-12.82/-12.48	-12.82/-12.48	-11.63/-12.18	-12.33/-12.15	-12.24/-12.35	-12/-11.75	-12.13/-12.52	-10.18/-10.71
Θ (157.5°)	-12.03/-11.7	-11.73/-12.8	-12.05/-12.36	-12.24/-11.89	-12/-12.18	-12.42/-11.96	-12.33/-12.48	-12.12/-12.47	-12.54/-12.56	-11.81/-12.05	-11.46/-11.81	-11.81/-12.26	-12.37/-12.43	-11.85/-12.52	-12.11/-12.13	-12.18/-11.84	-12.78/-12.03	-12.41/-12.61	-12.17/-11.99	-12.78/-12.38	-12.33/-12.36	-12.18/-12.35	-12.46/-12.13	-11.61/-11.75
Θ (165°)	-11.27/-11.71	-13.04/-12.15	-12.73/-12.31	-12.14/-12.56	-12.59/-12.04	-12.81/-12.27	-12.31/-12.69	-12.41/-12.66	-11.67/-11.78	-12.08/-12.08	-12.39/-11.94	-12.76/-11.87	-10.49/-9.59	-9.46/-9.59	-9.93/-10.46	-11.22/-11.87	-12.36/-12.32	-12.09/-11.97	-12.2/-12.45	-12.3/-12.2	-11.94/-12.35	-11.75/-11.51	-10.93/-10.27	-9.8/-10.26
Θ (172.5°)	-11.77/-11.63	-11.66/-11.85	-12.08/-12.76	-11.92/-12.3	-12.25/-12.1	-12.3/-12.66	-12.1/-12.5	-12.17/-12.45	-12.63/-12.79	-12.31/-12.5	-11.97/-12.13	-10.53/-9.48	-9.2/-9.29	-9.9/-10.27	-10.96/-12.43	-12.59/-12.59	-12.15/-12.41	-12.01/-12.24	-12.69/-12.56	-12.88/-12.88	-11.79/-12.64	-12.21/-11.33	-11.2/-10.3	-10.09/-11.04
Θ (180°)	-12.35/-11.79	-12.62/-12.17	-12.32/-12.71	-12.05/-12.46	-12.43/-12.51	-12.27/-12.17	-12.77/-12.43	-12.11/-12.29	-12.11/-11.87	-11.74/-12.23	-11.69/-11.76	-12.52/-12.44	-12.55/-12.76	-12.29/-12.15	-12.42/-12.5	-12.44/-12.33	-12.42/-12.49	-12.64/-12.63	-11.89/-12.57	-12.29/-11.9	-11.7/-12.08	-11.53/-11.86	-11.72/-11.72	
Freq(Hz)	5.885GPol.	Theta	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
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°)	6.47,1	7.838/29	8.618/8	8.888/6	8.468/0.4	7.426/5	6.176/56	7.187/8	8.18/36	8.418/23	7.987/73	7.276/54	6.417/06	7.658/12	8.488/62	8.618/57	8.217/69	7.116/42	6.136/59	7.357/88	7.988/07	8.218/28	8.087/76	7.256/53
Θ (7.5°)	6.927/64	8.248/68	8.969/05	9.068/98	8.748/32	7.767/13	6.746/97	7.788/31	8.758/92	988.94	8.538/01	7.536/88	6.737/36	7.828/19	8.448/53	8.478/3	7.917/39	6.786/07	5.926/41	7.257/86	8.18/06	8.037/98	7.777/35	6.756/47
Θ (15°)	6.177/109	7.958/54	8.858/98	8.968/69	8.317/84	7.246/73	6.527/	7.838/54	8.858/98	9.018/8	8.357/98	7.627/03	6.616/64	7.067/45	7.537/53	7.477/38	7.046/55	5.895/51	5.395/65	6.357/03	7.327/31	7.267/09	6.747/624	5.535/41
Θ (22.5°)	5.696/23	6.867/4	7.878/05	7.917/63	7.497/16	6.796/31	6.066/62	7.357/8	8.088/18	8.147/98	7.57/09	6.745/89	5.635/69	5.875/99	6.146/35	6.386/22	6.015/66	4.94/46	4.565/07	5.846/23	6.462/61	6.046/02	5.885/58	5.265/24
Θ (30°)	5.295/72	6.046/11	6.506/88	6.956/88	6.616/15	5.815/39	5.215/75	6.516/86	7.177/28	7.277/37	7/6.59	6.185/56	5/4.56	4.064/44	5.035/16	5.064/85	4.794/43	3.833/42	3.484/1	4.695/04	5.255/39	5.315/23	4.964/55	3.994/24
Θ (37.5°)	4.014/77	5.195/1	5.25/36	5.75/71	5.325/02	4.834/38	4.585/15	5.726/11	6.516/73	7.096/93	6.366/4	4.453/58	2.662/5	2.442/86	3.293/39	4.123/79	3.863/21	2.472/69	3.053/04	3.123/56	4.164/62	4.824/133	4.052/91	2.552/85
Θ (45°)	2.65/3.61	4.013/97	4.094/28	4.614/86	3.813/15	2.912/55	2.83/74	4.595/26	5.725/53	5.565/55	5.294/32	3.432/97	2.24/1.91	1.441/88	2.422/64	3.292/62	2.261/91	1.271/81	1.961/43	1.121/39	2.162/94	3.243/39	2.861/77	1/1.7
Θ (52.5°)	0.69/2.42	2.912/88	3.213/12	2.893/32	2.511/92	1.751/8	2.522/6	3.213/81	4.525/04	4.494/33	3.952/85	1.981/4	1.520/57	-0.010/51	0.971/04	1.751/45	1.020/83	0.550/39	0.24/-0.77	-1.04/-0.69	0.280/68	0.961/7	1.860/15	-1.05/-0.65
Θ (60°)	-1.190/39	0.711/47	1.691/51	2.032/2	1.01/-0.22	0.160/35	0.781/05	2.352/85	2.673/72	4.053/24	2.862/09	0.47/-0.72	-0.62/-0.3	-1.11/-1.15	-0.34/-0.68	-0.190/29	-0.4/-1.3	-1.89/-2.79	-2.89/-3.43	-3.28/-2.99	-1.35/-1.34	-2.01/-0.39	-0.07/-1.98	-4.61/-3.26
Θ (67.5°)	-3.85/-2.43	-1.32/-0.22	-0.78/-0.05	0.320/07	-0.96/-2.77	-1.91/-2.14	-2.24/-2.11	-0.311/1.15	1.131/96	2.551/26	0.750/07	-1.46/-3.37	-2.53/-2.24	-2.78/-3.2	-2.88/-2.45	-2.71/-1.08	-1.92/-3.36	-4.56/-5.8	-5.96/-4.96	-5.1/-4.54	-2.86/-3.29	-4.08/-2.24	-2.8/-5.43	-8.85/-7.45
Θ (75°)	-6.49/-4.85	-3.51/-2.61	-2.89/-1.85	-2.64/-2.12	-3.2/-4.8	-3.51/-3.39	-3.56/-3.83	-3.28/-1.93	-1.34/0.04	0.39/-0.48	-1.38/-1.26	-3.07/-4.65	-5.77/-2.98	-4/-4.67	-5.05/-4.49	-4.47/-3.92	-3.16/-4.65	-5.05/-5.46	-6.96/-4.41	-5.99/-7.63	-5.81/-5.47	-6.62/-4.91	-6.1/-8.2	-11.19/-9.96
Θ (82.5°)	-7.22/-5.8	-5.64/-4.99	-4.64/-4.08	-5.58/-4.02	-5.5/-7.64	-6.64/-5.89	-5.2/-5.83	-5.02/-4.71	-4.23/-2.03	-2.15/-2.6	-3.48/-3.94	-5.8/-6.74	-6.93/-4.79	-4.7/-7.78	-7.94/-6.72	-7.72/-5.85	-4.6/-5.72	-7.11/-4.88	-5.64/-4	-6.09/-7.87	-7.81/-7.52	-9.04/-8.1	-9.55/-9.11	-12.09/-10.08
Θ (90°)	-8.01/-7.99	-6.36/-6.47	-6.03/-6.51	-6.97/-5.83	-7.86/-10.12	-8.48/-8.48	-7.9/-8.6	-9.14/-7.49	-7.86/-4.6	-4.02/-5.04	-5.07/-5.69	-6.43/-7.29	-8.66/-5.83	-4.72/-7.57	-11.74/-8.82	-9.13/-8.82	-6.98/-7.86	-9.57/-4.17	-4.85/-4.76	-8/-8.71	-9.63/-8.76	-10.19/-10.04	-10.14/-10.28	-12.42/-10.5
Θ (97.5°)	-8.99/-8.75	-7.77/-7.88	-7.73/-8.77	-8.9/-7.71	-9.89/-10.8	-8.63/-8.07	-8.76/-9.92	-10.86/-9.67	-10.02/-7.75	-6.75/-7.56	-6.91/-8.66	-8.43/-9.77	-6.38/-6.55	-7.05/-10.33	-10.62/-11.87	-10.28/-8.57	-8.65/-10.43	-9.04/-4.49	-6.82/-7.58	-8.92/-9.77	-10.81/-10.84	-11.28/-9.68	-10.84/-11.43	-12.82/-11.9
Θ (105°)	-10.65/-9.37	-10.66/-9.32	-10.22/-11.07	-10.49/-9.41	-11.48/-10.47	-9.54/-8.13	-9.9/-9.63	-10.57/-10.36	-9.34/-8.17	-7.9/-9.11	-9.57/-9.23	-9.13/-9.35	-11.6/-8.64	-8.68/-11.1	-12.24/-10.85	-9.41/-11.01	-8.41/-11.37	-6.57/-7.84	-7.89/-8.26	-7.34/-9.7	-11.26/-11.77	-10.72/-10.47	-11.03/-12.27	-12.03/-11.73
Θ (112.5°)	-10.97/-11.07	-11.02/-11.96	-11.45/-12.02	-10.8/-9.8	-10.73/-11.04	-9.47/-8.69	-11.07/-9.96	-10.46/-11.87	-10.62/-11	-11.23/-10.25	-11.01/-9.85	-12.22/-10.49	-11.23/-9.51	-10.96/-12.72	-12.26/-10.25	-11.77/-10.37	-9.85/-8.17	-7.08/-9.14	-9.42/-8.75	-8.81/-9.09	-11.76/-12.25	-11.65/-12.51	-12.58/-12.07	-12.22/-12.46
Θ (120°)	-11.77/-12.22	-12.12/-12.38	-11.43/-12.15	-11.31/-11.31	-9.89/-10.08	-9.67/-10.32	-10.8/-11.76	-10.42/-11.77	-11.88/-9.57	-10.62/-11.41	-11.51/-11.61	-11.76/-12.44	-10.63/-12.37	-11.6/-12.21	-12.47/-12.25	-11.96/-11.81	-12.45/-8.87	-7.33/-7.6	-9.5/-9.47	-9.65/-9.13	-10.44/-12.09	-12.2/-12.65	-12.47/-12.04	-12.3/-12.05
Θ (127.5°)	-11.62/-12.29	-12.52/-11.3	-12.33/-12.54	-11.5/-11.66	-11.68/-12.16	-9.29/-9.24	-10.64/-10.73	-11.52/-12.65																



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Radiated Composite Gain Data_Radio 2 5GHz for EUT 2

Appendix F

Gain	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°)	-14.17/-7.26	-3.37/-0.97	0.96/2.51	3.57/4.44	5.15/5	5.78/5.94	5.95/51	5.13/4.7	3.81/3.06	1.79/0.3	-1.77/-4.97	-10.37/-18.36	-13.94/-7.12	-3.43/-0.98	0.84/2.25	3.14/0.4	4.71/5.08	5.31/5.49	5.28/5.03	4.47/3.85	3.13/2.31	1/-0.86	-3.4/-7.06	-13/-18.97
Θ(7.5°)	-13.48/-7.22	-3.64/-1.15	0.67/1.96	2.77/3.57	4.32/4.61	4.95/5.07	4.95/4.72	4.32/3.69	3.04/2.06	0.81/-0.82	-3.21/-6.55	-12.72/-17.21	-10.33/-5.17	-1.91/0.25	1.79/2.98	3.94/6.1	5.08/5.39	5.59/5.61	5.64/5.34	4.68/4.05	3.18/2.22	0.82/-1.05	-3.61/-7.54	-14.49/-18.75
Θ(15°)	-12.32/-7.28	-4/-1.49	0.42/1.79	2.75/3.4	3.95/4.37	4.63/4.78	4.74/4.65	4.42/3.95	3.35/2.49	1.12/-0.65	-3.43/-7.55	-14.92/-18.41	-10.38/-5.64	-2.18/0.18	1.4/2.6	3.37/3.78	4.19/4.53	4.75/4.82	4.74/4.42	3.82/3.01	1.93/0.6	-0.9/-2.92	-6.18/-11.13	-18.3/-18.84
Θ(22.5°)	-11.66/-7.11	-4.07/-1.77	-0.14/0.9	1.6/2.04	2.63/2.1	3.48/3.72	3.83/3.81	3.67/2.94	2.12/0.9	-0.77/-2.67	-5.6/-10.41	-18.68/-15.01	-8.35/-4.68	-2.2/-0.53	0.98/2.07	2.92/3.65	4.36/4.87	5.15/5.18	4.92/4.36	3.43/2.28	0.84/-0.68	-2.34/-4.47	-8.32/-15.08	-18.9/-16.73
Θ(30°)	-11.2/-7.24	-4.52/-2.58	-1.2/-0.25	0.4/0.99	1.52/1.98	2.09/2.32	2.54/2.62	2.22/1.62	0.95/0.38	-0.53/-2.46	-5.58/-10.41	-18.27/-15.74	-9.7/-6.49	-3.96/-2.33	-0.7/0.76	2.01/2.71	3.51/3.89	3.94/0.1	4.06/3.86	3/1.62	0.16/-1.27	-2.24/-3.12	-5.53/-9.98	-15.71/-14.89
Θ(37.5°)	-10.78/-7.68	-6/-4.23	-2.54/-2.07	-1.22/-0.67	-0.12/0.64	0.77/1.31	1.81/1.54	0.62/-0.48	-1.16/-1.49	-2.11/-3.75	-6.95/-12.56	-18.2/-12.87	-10.16/-8.49	-5.85/-3.74	-1.81/0	0.94/1.47	2.34/3.09	3.07/2.64	2.28/1.79	0.75/-0.11	-0.9/-2.38	-3.75/-4.61	-6.19/-9.56	-12.99/-13.43
Θ(45°)	-12.74/-10.95	-8.65/-6.01	-4.53/-3.5	-2.36/-1.98	-1.56/-1.45	-1.72/-1.21	-0.67/-1.03	-0.78/-0.83	-1.28/-1.92	-3.42/-5.79	-8.96/-12.15	-16.01/-17.05	-12.57/-11.23	-8.42/-6.21	-3.93/-2.43	-1.12/-0.21	0.24/0.99	0.99/0.36	0.44/0.16	-0.67/-1.17	-1.66/-3.38	-5.61/-6.59	-7.84/-10.95	-12.98/-14.8
Θ(52.5°)	-15.01/-14.31	-11.4/-6.88	-6.03/-5.6	-3.73/-3.39	-3.68/-4.66	-5.48/-5	-4.07/-3.44	-2.42/-2.24	-2.47/-3.26	-6.29/-11.05	-13/-17.03	-19.43/-17.82	-15.33/-11.51	-7.51/-5.99	-5.21/-4.31	-3.61/-2.89	-2.49/-1.12	-1.01/-1.31	-0.87/-1.38	-2.34/-3.55	-7.62/-8.24	-9.61/-13.61	-15.26/-17.02	
Θ(60°)	-16.39/-14.68	-14.59/-9.17	-7.58/-7.9	-4.95/-3.98	-4.35/-5.05	-6.78/-7.56	-7.41/-8.07	-6.43/-5.17	-4.85/-5.92	-8.07/-10.23	-17.84/-18.86	-18.11/-18.57	-18.89/-13.62	-9.44/-7.76	-6.47/-5.64	-5.03/-4.36	-4.16/-2.24	-1.91/-2.92	-2.48/-2.9	-3.46/-4.98	-5.19/-5.92	-8.1/-9.02	-12/-17.29	-15.49/-15.23
Θ(67.5°)	-17.54/-16.59	-15.77/-10.61	-10.13/-9.31	-5.14/-4.83	-5.59/-5.08	-6.69/-7.02	-7.68/-10.4	-8.73/-10.05	-9.9/-10.73	-12.38/-10.81	-18.04/-18.42	-19.02/-18.95	-12.52/-10.14	-8.91/-7.34	-6.34/-5.82	-4.78/-4.6	-3.86/-2.37	-2.55/-3.69	-3.73/-4.29	-4.18/-6.45	-6.81/-7.53	-11.3/-11.46	-14.36/-19.34	-17.27/-17.78
Θ(75°)	-17.24/-18.7	-16.94/-13.49	-12.83/-10.01	-5.94/-6.72	-7.1/-5.48	-6.46/-5.12	-5.39/-6.5	-6.79/-8.52	-8.52/-10.96	-10.74/-11.73	-14.18/-17.7	-17.89/-16.94	-12.86/-9.24	-9.24/-9.52	-7.19/-6.26	-4.39/-4.25	-4.24/-3.14	-3.12/-5.08	-5.64/-5.67	-5.69/-8.04	-8.95/-9.04	-13.86/-13.13	-15.88/-18.07	-19.28/-17.29
Θ(82.5°)	-18.61/-18.91	-16.04/-15	-13.78/-11.6	-9.24/-10.34	-8.79/-6.79	-7.68/-5.53	-5.28/-4.84	-7.13/-7.25	-9.08/-10.59	-9.84/-13.11	-13.02/-18.75	-16.65/-14.8	-12.82/-9.15	-11.45/-10.75	-8.47/-7.21	-4.71/-4.74	-4.45/-4.74	-5.32/-7.05	-7.48/-7.33	-7.3/-9.78	-9.31/-10.09	-16.85/-15.45	-19.32/-19.08	-18.59/-18.89
Θ(90°)	-18.79/-18.97	-15.76/-16.2	-16.09/-14.76	-11.24/-13	-12.32/-8.96	-10.4/-7.75	-7.44/-6.41	-8.79/-8.07	-9.75/-12.11	-11.05/-15.63	-11.87/-16.81	-17.68/-16.37	-15.39/-12.22	-14.51/-16.8	-11.74/-10.37	-6.78/-5.52	-6.83/-7.44	-7.36/-10.01	-10.06/-9.82	-10.77/-13.43	-11.52/-14.28	-19.11/-14.74	-18.76/-18.79	-18.39/-18.67
Θ(97.5°)	-17.94/-18.02	-16.66/-17.79	-18.26/-16.23	-14.31/-17.67	-16.76/-11.73	-13.76/-10.79	-9.64/-9.07	-10.28/-10.55	-12.68/-12.06	-16.49/-15.49	-13.79/-18.08	-19.79/-16.39	-15.13/-17.17	-18.08/-18.7	-17.59/-14.53	-10.3/-9.54	-12.02/-11.63	-11.07/-13.92	-12.68/-12.7	-14.33/-17.05	-18.44/-16.23	-18.2/-18.58	-18.03/-18.72	
Θ(105°)	-18.26/-17.67	-18.45/-17.59	-18.17/-15.89	-15.47/-18.36	-18.53/-16.7	-18.35/-14.61	-11.23/-11.39	-11.41/-16.02	-18.1/-12.5	-18.64/-14.19	-17.53/-17.53	-18.82/-17.76	-18.98/-18	-18.49/-17.48	-18.53/-18.87	-16.23/-13.99	-18.14/-14.69	-13.11/-16.42	-18.27/-18.52	-17.31/-18.32	-17.98/-19.24	-18.98/-18.39	-17.79/-18.07	-18.86/-17.49
Θ(112.5°)	-18.89/-19.61	-18.9/-18.53	-18.92/-16.71	-17.2/-17.85	-17.78/-17.56	-18.35/-18.2	-14.37/-14.86	-11.85/-17.18	-18.47/-17.67	-18.33/-16.74	-18.05/-18.02	-17.61/-18.41	-17.68/-18.75	-18.91/-18.51	-17.37/-15.99	-16.47/-15.16	-16.36/-15.28	-14.85/-18.55	-18.55/-18.78	-16.77/-14.22	-18.94/-18.09	-16.35/-19.07	-16.15/-18.64	-18.7/-18.77
Θ(120°)	-18.94/-18.32	-18.04/-19.12	-19.22/-18.2	-18.04/-17.82	-18.1/-18.79	-17.71/-15.03	-17.59/-15.51	-15.4/-18.84	-18.74/-18.92	-18.42/-18.41	-17.24/-18.43	-18.28/-18.99	-17.92/-18.4	-18.83/-17.4	-19.15/-19.61	-14.86/-13.26	-17.11/-17.04	-14.75/-18.59	-17.56/-16.28	-18.22/-19.29	-18.09/-18.17	-18.25/-19.17	-18.79/-18.01	-18.24/-18.49
Θ(127.5°)	-19.25/-18.2	-18.9/-18.35	-18.19/-18.54	-17.17/-18.99	-17.93/-18.58	-18.66/-17.75	-19.06/-18.28	-19.02/-19.51	-19.5/-17.81	-19.55/-17.63	-19.12/-17.71	-18.83/-17.54	-18.37/-18.33	-18.01/-17.91	-18.75/-18.92	-18.07/-19.04	-17.73/-18.48	-15.76/-17.9	-17.09/-15.53	-17.81/-17.52	-18.58/-18.33	-18.21/-18.14	-17.16/-15.67	-17.85/-18.65
Θ(135°)	-18.37/-18.63	-19.21/-18.02	-18.86/-18.52	-18.75/-17.11	-17.97/-17.33	-19.16/-17.95	-18.23/-18.13	-17.93/-17.98	-18.83/-19.06	-18.31/-18.25	-17.9/-17.46	-19.98/-18.92	-18.1/-18.16	-18.71/-18.39	-14.94/-17.24	-18.27/-18.19	-19.04/-18.63	-19.6/-17.69	-19.34/-18.24	-18.8/-18.58	-18.78/-18.84	-17.96/-18.05	-18.8/-18.66	-18.91/-17.97
Θ(142.5°)	-17.24/-17.54	-18.97/-18.3	-19.01/-18.95	-17.59/-19.27	-18/-18.77	-18.63/-18.27	-17.64/-18.81	-18.58/-17.47	-18.73/-17.12	-19.11/-18.58	-18.6/-17.64	-17.59/-18.69	-18.93/-18.93	-19.07/-17.67	-17.26/-19.31	-18.38/-18.29	-17.35/-17.83	-19.19/-16.99	-15.71/-17.34	-18.91/-18.62	-18.91/-19.11	-17.9/-18.25	-18.03/-18.31	
Θ(150°)	-19.36/-18.18	-17.81/-18.3	-17.75/-17.45	-18.73/-18.52	-18.93/-18.76	-17.8/-17.73	-17.73/-19.28	-17.96/-18.64	-18.22/-17.64	-17.86/-18.34	-18.03/-19.14	-17.71/-18.31	-18.77/-18.36	-18.04/-18.84	-19.25/-18.34	-17.9/-17.81	-18.22/-18.35	-18.79/-18.74	-19.05/-17.8	-17.76/-19.17	-17.53/-17.89	-18/-18.59	-19.06/-19.25	-18.89/-18.89
Θ(157.5°)	-17.76/-18.16	-18.17/-19.37	-18.73/-18.26	-18.04/-18.84	-18.31/-18.36	-18.54/-17.25	-18.85/-18.68	-17.75/-18.63	-18.75/-18.64	-17.16/-18.33	-17.91/-18.16	-17.95/-18.35	-18.91/-19.05	-18.88/-18.89	-17.84/-17.49	-18.79/-17.53	-18.49/-19.34	-18.01/-18.51	-18.36/-17.71	-18.9/-17.76	-17.96/-18.43	-18.73/-17.93	-18.52/-18	
Θ(165°)	-17.52/-18.16	-19.2/-17.41	-19.06/-18.47	-18.76/-17.91	-19.2/-17.49	-18.98/-18.22	-18.09/-17.92	-18.76/-18.12	-18.06/-19	-18.77/-19.21	-17.42/-17.67	-19.06/-18.4	-19.07/-17.26	-19.33/-18.82	-18.28/-17.79	-18.84/-18.94	-18.41/-17.23	-18.3/-18.33	-18.61/-17.72	-17.89/-18.29	-17.3/-18.79	-18.91/-16.66		
Θ(172.5°)	-18.92/-18.11	-17.93/-18.89	-18.4/-18.98	-17.95/-17.63	-18.76/-18	-18.23/-18.98	-18.54/-18.53	-17.91/-18.06	-18.69/-18.95	-18.13/-19.07	-18.11/-18.43	-18.14/-18.59	-17.9/-18.74	-18.09/-18.12	-19.24/-19.02	-19.08/-17.77	-17.95/-18.35	-19.33/-18.04	-18.42/-18.95	-18.07/-18.71	-18.27/-17.11	-19.34/-18.65	-18.72/-18.59	
Θ(180°)	-19.26/-18.13	-17.68/-17.95	-17.57/-18.94	-18/-18.4	-18.63/-17.68	-17.91/-17.36	-18.73/-17.68	-18.11/-17.94	-18.28/-18.9	-18.74/-18.2	-18.11/-17.74	-18.18/-18.39	-17.75/-19.14	-18.58/-18.8	-18.73/-18.72	-18.5/-19.06	-18.69/-18.89	-18.14/-17.74	-18.16/-18.33	-17.72/-18.41	-17.48/-18.72	-18.23/-18.99	-18.47/-18.37	
Freq(Hz)	5.885GPol.	ThetaAnt. 4																						
Gain	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°)	5.515/3.4	5.11/4.66	3.92/3.16	2.08/0.54	-1.43/-4.43	-8.88/-19.05	-15.42/-7.76	-3.38/-0.66	1.12/5.1	3.38/4.19	4.95/4	5.82/5.53	5.11/4.43	3.72/2.75	1.23/-0.31	-2.52/-5.94	-11.53/-18.03	-12.65/-6.54	-2.98/-0.58	0.96/2.11	3.07/3.97	4.63/5.09	5.38/5.55	
Θ(7.5°)	5.415/2.9	4.96/4.39	3.59/2.51	1.14/-0.4	-2.36/-5.32	-9.92/-17.67	-16.9/-8.62	-4.22/-1.51	0.41/1.65	2.86/3.67	4.42/4.99	5.32/5.76	5.86/5.76	5.31/4.74	3.97/2.99	1.66/0.03	-2.49/-5.94	-11.29/-17.73	-11.25/-5.65	-2.37/-0.03	1.54/2.6	3.42/4.31	5.04/5.5	5.66/5.66
Θ(15°)	4.79/4.67	4.39/3.88	3.1/9	0.61/-1.09	-3.41/-6.39	-11.07/-17.46	-18.53/-10.06	-5.15/-1.92	0.36/1.92	2.97/3.57	3.75/4.12	4.37/4.6	4.85/4.83	4.54/3.98	2.73/1.49	-0.17/-2.09	-4.84/-8.74	-16.38/-17.07	-8.92/-4.65	-1.79/0.22	1.73/2.78	3.51/4.11	4.54/4.8	4.83/4.85
Θ(22.5°)	4.43/3.99	3.51/3.02	2.29/0.97	-0.55/-2.31	-4.41/-7.41	-11.96/-18.45	-16.78/-9.55	-5.29/-2.76	-0.45/1.03	2.05/2.8	3.13/3.54	3.72/3.76	3.89/3.55	3.04/2.04	0.86/-0.39	-1.6/-2.89	-4.99/-8.81	-18.94/-15.8	-8.05/-4.22	-1.78/-0.01	1.15/2.19	2.87/3.34	3.67/3.98	4.32/4.51
Θ(30°)	4.14/3.79	3.29/2.64	1.59/-0.15	-1.9/-3.71	-6.33/-9.82	-15.46/-18.82	-14.98/-9.16	-6.12/-3.91	-1.94/-0.51	0.64/1.55	2.08/2.17	2.32/2.33	2.05/1.04	-0.08/-0.17	0.02/-0.62	-1.91/-3.49	-5.86/-11.07	-18.34/-14.18	-8.17/-4.14	-1.36/0.18	1.11/1.84	2.54/3.34	3.7/3.7	3.76/4.01
Θ(37.5°)	2.89/2.92	2.71/1.66	0.25/-1.2	-2.23/-3.62	-6.64/-10.12																			



Freq(Hz)	6.175G	6.475G	6.695G	6.995G
Ant. 1 Max Gain (dBi)	7.86	7.99	6.72	7.15
Ant. 2 Max Gain (dBi)	7.59	7.48	6.74	8.29
Ant. 3 Max Gain (dBi)	5.81	6.3	5.48	6.44
Ant. 4 Max Gain (dBi)	6.75	7.28	7.04	7.61
Ant. 1 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Phi/7.5/0	Phi/0/0	Phi/0/172.5	Phi/7.5/180
Ant. 2 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Phi/0/262.5	Phi/0/262.5	Phi/15/97.5	Phi/0/97.5
Ant. 3 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Theta/0/0	Phi/7.5/90	Phi/0/90	Phi/0/262.5
Ant. 4 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Phi/0/0	Phi/0/0	Phi/0/0	Phi/0/0
Max Gain (dBi)	7.86	7.99	7.04	8.29
DG [1SS] (dBi)	10.14	10.42	9.72	10.76
DG [2SS] (dBi)	7.86	7.99	7.04	8.29
DG [4SS] (dBi)	7.86	7.99	7.04	8.29



