



Radiated Composite Gain Data of Radio 4 2.4GHz, 5GHz, 6GHz and Radio 5 Bluetooth/Zigbee (EUT 2)

Appendix N

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°)	0.31/39	2.31/76	3.56/64	4.22/54	4.39/47	4.26/37	3.36/43	1.27/0.2	-1.18/-3.26	-6.17/-8.98	-9.28/-6.9	-4.23/-1.76	0.34/2.33	3.33/4.3	4.45/4.75	5.06/5.15	4.93/4.76	4.35/3.35	2.52/1.85	-0.07/-1.73	-3.95/-7	-10.18/-10.29	-7.13/-4.65	-2.44/-0.5
Θ(7.5°)	2.44/3.78	4.96/5.58	6.66/46	6.25/42	6.12/54	5.29/4.54	3.78/2.74	1.38/-0.27	-2.52/-5.15	-8.47/-9.72	-7.51/-4.65	-2.91/1.7	1.27/2.29	2.92/3.43	3.69/3.89	3.98/4.07	3.91/3.44	2.92/1.4	0.87/0.17	-1.29/-3.06	-4.3/-6.12	-7.85/-8.11	-6.71/-4.33	-1.55/0.84
Θ(15°)	3.54/45	5.27/5.44	5.52/5.57	5.73/5.6	5.14/4.78	4.26/3.5	2.54/1.49	-0.39/-2.34	-4.15/-6.83	-9.88/-9.49	-6.54/-3.73	-1.58/0.34	1.72/7.7	3.04/3.16	3.36/3.61	3.83/4.08	4.47/4.18	3.47/2.77	0.93/-1.98	-4.75/-7.76	-8/-8.9	-9.59/-7.72	-4.49/-1.42	1.26/3.11
Θ(22.5°)	0.26/1.17	1.94/2.81	3.45/3.96	4.19/4.42	4.56/4.61	4.76/4.93	4.46/3.01	0/-3.96	-9.04/-15.61	-15.3/-9.61	-6.72/-3.96	-1.19/0.93	0.89/0.21	0.59/1.65	3.06/4.31	4.57/4.11	3.61/3.28	2.14/1.58	0.77/-2.27	-5.17/-9.41	-12.99/-18.85	-12.58/-6.76	-3.02/-1.25	-0.08/0.98
Θ(30°)	-1.42/-0.19	0.97/1.51	2.23/2.57	2.54/2.55	2.39/1.92	1.85/1.86	2.21/1.62	-1.06/-6.48	-18.91/-18.2	-17.19/-10.3	-8.02/-7.2	-3.61/-1.1	-0.29/0.13	0.92/1.	2.62/0.99	1.99/2.55	1.93/0.03	-1.42/-3.43	-4.34/-9.1	-12.52/-13.02	-12.44/-12.43	-9.8/-6.33	-4.21/-2.61	
Θ(37.5°)	-2.52/-1.83	-1.68/-0.2	2.06/3.15	3.44/3.17	2.05/1.39	1.15/0.85	0.71/1.59	-5.19/-14.68	-18.69/-17.48	-9.57/-7.23	-6.82/-6.71	-0.08/-3.69	-2.49/-3.69	-2.79/-2.03	-0.48/0.61	0.61/0.89	1.10/0.39	-0.38/-1.74	-6.87/-11.94	-10.18/-13	-13.54/-13.59	-12.16/-12.4	-11.6/-7.61	-4.17/-2.55
Θ(45°)	-4.97/-6.82	-6.2/-1.47	1.55/3.05	3.19/2.25	0.78/0.47	1.42/1.4	0.7/-2	-6.22/-9.45	-18.54/-17.48	-11.33/-8.29	-5.81/-2.64	-4.49/-10.38	-5.41/-5.15	-3.95/-2.07	-1.37/-1.04	-0.45/0.45	0.26/-0.01	-1.66/-4.41	-5.64/-12.11	-13.52/-11.85	-12.8/-8.51	-12.59/-16.88	-18.59/-11.18	-6.07/-3.98
Θ(52.5°)	-5.93/-8.95	-5.78/-1.84	0.88/2.72	3.38/2.7	1.21/0.3	1.54/0.75	-1.63/-3.69	-4.95/-4.12	-10.08/-17.04	-9.88/-7.71	-3.3/-0.86	-0.67/-3.44	-3.17/-3.85	-2.1/-1.92	-1.1/-2.51	-2.42/-2.11	-3.69/-3.17	-1.46/-4.69	-6.9/-11.51	-16.29/-10.3	-14.33/-11.1	-18.64/-18.84	-17.16/-10.6	-6.74/-4.86
Θ(60°)	-7.27/-6.77	-5.25/-2.66	0.08/2.59	3.47/2.52	0.97/0.64	0.49/0.16	-2.19/-1.95	-2/-1.76	-4.99/-7.05	-12.4/-7.29	-4.88/-1.35	0/-0.82	-2.19/-4.9	-4.71/-5.36	-4.14/-5.68	-5.93/-2.69	-1.78/-4.58	-5.07/-6.61	-11.67/-13.89	-13.94/-8.9	-12.26/-10.49	-18.61/-12.35	-9.42/-7.65	-5.95/-5.18
Θ(67.5°)	-6.4/-6.55	-5.46/-2.64	-0.31/-34	2.59/1.38	-0.32/-1.58	-0.79/1.03	-0.55/0.29	0.32/-1.24	-2.91/-5.4	-13.77/-8.51	-7.75/-5.51	-2.59/-3.36	-3.52/-2.58	-5.06/-6.87	-9.29/-12.64	-10.95/-10.4	-7.06/-8.85	-11.03/-12.59	-17.53/-17.14	-7.5/-8.61	-8.73/-11.95	-18.67/-4.73	-19.5/-6.64	-5.6/-5.43
Θ(75°)	-5.54/-7.44	-5.86/-3.03	-2.01/0.25	1.58/-1.11	-1.65/-1.98	-2.31/-0.19	0.06/0.23	0.53/0.48	-3.53/-6.23	-11.34/-14.95	-14.55/-9.12	-4.57/-2.92	-2.46/-1.17	-3.81/-4.06	-3.82/-5.72	-5.06/-8.45	-5.1/-8.18	-10.79/-15.44	-11.5/-6.7	-4.89/-6.55	-9.91/-12.84	-17.55/-6.7	-7.46/-7.27	-4.86/-5.69
Θ(82.5°)	-6.1/-8.55	-6.82/-4.47	-3.31/-0.9	0.44/-1.91	-2.83/-1.78	-2.47/0.23	-0.18/0.97	-0.13/-0.74	-6.15/-9.59	-13.04/-18.13	-10.88/-8.56	-2.85/-2.16	-1.13/-1.14	-4.75/-2.26	-3.19/-1.97	-4.49/-5.4	-2.52/-3.89	-14.1/-6.44	-8.75/-3.09	-3.03/-5.19	-15.57/-14.81	-18.66/-6.41	-8.23/-8.85	-4.54/-6.03
Θ(90°)	-6.84/-7.51	-7.17/-5.71	-4.51/-2.08	-0.7/-3.66	-3.89/-2.83	-3.38/-0.41	-1.57/0.03	-0.51/-4	-5.91/-14.15	-13.85/-12.99	-12.26/-5.65	-3.19/-3.43	-2.01/-2.56	-4.14/-4.66	-3.55/-4.18	-6.67/-5.74	-4.06/-2.89	-14.21/-12.07	-8.39/-3.23	-3.12/-8.24	-17.54/-16.34	-18.89/-7	-9.19/-10.54	-5.34/-6.73
Θ(97.5°)	-8.24/-7.68	-7.1/-8.13	-6.06/-3.07	-3.34/-6.29	-4.41/-3.61	-3.06/-1.65	-2.64/-1.64	-1.57/-7.28	-7.39/-18.39	-19.15/-8.93	-8.92/-7.23	-3.24/-1.79	-3.31/-5.09	-7.3/-6.66	-4.96/-1.83	-8.54/-7.93	-5.97/-7.73	-15.2/-12.45	-11.7/-5.27	-7.22/-15.82	-18.55/-17.22	-19.05/-9.61	-9.22/-10.45	-7.07/-8.77
Θ(105°)	-10.16/-10	-7.93/-10.07	-8.55/-3.82	-4.52/-9.1	-5.8/-4.38	-4.68/-2.87	-3.47/-3.63	-3.53/-9.02	-11.14/-17.39	-18.44/-11.91	-9.87/-8.33	-5.43/-4.74	-5.29/-5.04	-10.31/-14.36	-11.69/-3.19	-6.24/-11.87	-8.38/-13.76	-19.03/-16.58	-14.78/-8.45	-14.98/-17.9	-19.05/-16.87	-16.54/-9.99	-11.6/-10.22	-8.42/-9.04
Θ(112.5°)	-11.46/-13.63	-13.17/-10.19	-7.88/-6.4	-6.67/-9.26	-6.37/-5.51	-7.17/-6.1	-4.46/-5.39	-5.24/-7.86	-18.92/-18.44	-14.58/-12.92	-9.77/-9.31	-2.55/-5.78	-5.49/-4.14	-10.23/-17.58	-18.91/-8.5	-8.61/-9.22	-9.67/-18.1	-17.87/-13.78	-12.3/-9.96	-17.07/-17.09	-17.97/-15.72	-12.49/-13.31	-13.97/-10.35	-9.23/-11.02
Θ(120°)	-13.53/-15.45	-17.13/-11.29	-8.81/-6.39	-8.33/-13.87	-8.41/-7.65	-5.96/-7.2	-8.71/-10.88	-7.31/-10.86	-14.3/-15.61	-12.96/-13.78	-10.52/-11.08	-9.24/-10.15	-6.98/-4.96	-7.28/-9.35	-13.25/-9.85	-10.21/-9.63	-11.46/-14.37	-16.57/-13.76	-16.48/-15.98	-17.56/-16.24	-18.82/-13.83	-12.13/-12.59	-12.5/-13	-11.48/-13.9
Θ(127.5°)	-17.73/-18.55	-14.52/-11.66	-10.53/-8.77	-10.64/-17.97	-11.51/-7.05	-8.83/-13.1	-9.58/-10.25	-11.22/-9.33	-19.32/-19.1	-12.68/-14.65	-11.45/-11.47	-12.63/-11.98	-12.71/-7.53	-7.62/-9.94	-11.16/-16.68	-12.38/-9.96	-14.68/-19.44	-18.49/-18.34	-18.74/-18.62	-17.65/-17.23	-15.17/-16.03	-13.69/-12.76	-16.93/-14.09	-14.65/-15.8
Θ(135°)	-15.25/-13.69	-15.9/-11.42	-10.95/-10.19	-14.89/-17.67	-13.52/-10.56	-9.44/-9.09	-10.11/-12.77	-10.21/-13.67	-13.86/-15.39	-11.37/-13.31	-11.74/-13.09	-11.09/-11.64	-11.48/-13.97	-17.47/-18.12	-13.39/-17.87	-18.75/-10.13	-11.11/-14.29	-15.32/-17.9	-11.03/-13.67	-12.87/-18.41	-15.03/-15	-19.08/-12.06	-18.87/-19.21	-18.08/-18.09
Θ(142.5°)	-18.51/-14.31	-11.52/-13.76	-16.12/-18.45	-18.63/-17.8	-14.04/-10.81	-12.93/-13.96	-13.84/-16.16	-15.5/-12.97	-17.7/-18.29	-12.39/-13.71	-14.23/-12.31	-8.36/-10.83	-13.05/-14.05	-16.05/-17.62	-12.75/-17.9	-17.76/-14.72	-14.5/-19.32	-14.53/-17.8	-16.72/-18.59	-18.63/-17.94	-18.52/-17.35	-19.72/-18.25	-16.92/-18.39	-18.71/-16.78
Θ(150°)	-16.56/-14.7	-15.17/-15.79	-15.91/-19.35	-17.79/-13.9	-12.18/-13.54	-13.41/-12.55	-15.42/-18.51	-14.78/-18.105	-12.15/-18.13	-17.04/-12.62	-14.73/-16.82	-13.92/-12.03	-10.97/-13.7	-9.71/-12.39	-16.83/-19.56	-15.01/-17.98	-14.59/-19.01	-18.45/-16.84	-18.89/-19.1	-17.96/-18.35	-17.55/-19.1	-19.4/-18.33	-17.79/-18.7	-18.75/-16.72
Θ(157.5°)	-17.78/-18.95	-19.71/-17.51	-18.69/-19.33	-19.29/-14	-12.81/-12.8	-10.65/-12.3	-13.96/-13.43	-12.57/-13.84	-18.18/-18.38	-14.27/-14.39	-12.9/-11.06	-12.6/-13.01	-15.18/-15.32	-18.39/-19.4	-18.77/-18.5	-19.17/-18.96	-18.47/-18.14	-17.88/-18.2	-18.67/-18.84	-18.73/-19.01	-19.32/-18.33	-19.14/-19.05	-18.13/-18.15	-17.84/-18.31
Θ(165°)	-17.81/-18.24	-18.95/-18.31	-18.03/-18.2	-18.59/-18.62	-14.05/-11.86	-11.05/-11.91	-14.67/-15.25	-14.21/-12.61	-13.7/-15.22	-14.85/-15.91	-18.56/-15.29	-15.56/-16.53	-18.63/-17.82	-18.69/-17.29	-18.46/-18.46	-18.09/-19.1	-17.36/-18.1	-18.3/-18.98	-18.48/-18.27	-18.61/-17.71	-17.57/-18.01	-18.93/-18.83	-19.29/-18.25	-18.14/-17.69
Θ(172.5°)	-18.88/-18.54	-18.97/-17.88	-18.32/-18.38	-16.67/-18.09	-17.99/-16.35	-17.83/-18.9	-18.55/-19.07	-17.89/-18.93	-18.93/-17.19	-17.34/-18	-17.55/-17.88	-18.73/-18.51	-18.18	-18.71/-18.52	-17.31/-17.5	-17.91/-18.14	-19.11/-18.76	-19.25/-19.09	-19.03/-17.53	-18.11/-18.38	-18.31/-18.55	-19.2/-16.64	-17.77/-18.2	
Θ(180°)	-17.98/-19.37	-18.3/-19.21	-18.38/-18.77	-18.66/-17.38	-17.72/-18.04	-18.27/-18.53	-18.84/-17.83	-18.98/-17.51	-17.46/-18.85	-18.04/-18.97	-18.17/-19.09	-17.95/-18.55	-18.25/-19.46	-18.35/-17.64	-18.26/-17.61	-18.93/-17.9	-18.69/-18.51	-18.12/-18.22	-19.07/-18.82	-18.42/-18.34	-18.49/-18.76	-18.34/-18.77	-18.93/-18.04	-18.8/-18.77
Freq/GPol	6.995G/Pol	Theta/Ant. 2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	1.67/0.89	-0.51/-1.77	-3.43/-5.49	-7.71/-10.56	-11.18/-8.43	-5.86/-5.35	-1.64/-0.48	0.77/1.8	2.68/3.39	3.65/3.8	4.04/3.93	3.73/3.28	2.86/1.72	0.91/-1.02	-3.54/-5.93	-9.82/-10.6	-9.55/-5.89	-2.94/-1.61	0.39/1.54	2.02/4	3.36/3.46	3.72/3.77	3.63/3.22	2.58/2.02
Θ(7.5°)	3.86/3.03	1.80/22	-1.96/-4.71	-8.27/-10.82	-9.37/-5.89	-3.51/-1.36	0.17/1.05	1.88/2.4	2.81/3.25	3.26/2.99	2.82/45	1.83/0.97	0.06/-1.3	-2.3/-3.92	-7.06/-11.22	-14.51/-12.37	-7.52/-5.13	-2.57/-1.08	0.05/1.01	1.46/1.83	2.52/2.79	3.07/3.45	3.89/4.02	3.89/3.86
Θ(15°)	3.48/2.23	0.71/-1.41	-3.64/-7.24	-10.89/-10.15	-6.48/-4.18	-3.12/-14	-1.07/0.65	-0.38/0.43	1.47/1.78	1.96/2.01	1.78/1.05	0.80/75	0.78/-1.27	-2.73/-5.44	-9.32/-14.99	-18.1/-4.99	-6.88/-3.18	-1.45/0.8	2.09/2.21	2.69/2.45	2.01/2.25	2.51/2.83	3.52/4.04	4.13/85
Θ(22.5°)	-0.08/-0.39	-1.56/-3.13	-5.66/-11.34	-16.1/-10.1	-6.44/-4.36	-3.36/-2.56	-2.17/-2.08	-2.62/-3.57	-2.47/-0.36	0.52/-0.16	-1.37/-2.16	-1.82/-1.2	-2.87/-3.83	-4.99/-6.78	-7.41/-10.13	-13.86/-13.12	-8.45/-5.45	-2.79/-0.08	0.88/1.04	0.95/1.	1.69/2.01	2.18/1.91	1.55/1.53	1.29/0.9
Θ(30°)	0.01/0.26	-1.01/-3.43	-6.56/-11.38	-18.58/-17.97	-15.98/-12.71	-9.27/-7.6	-6.04/-3.37	-1.66/-2.03	-3.36/-2.39	-2.06/-3.06	-3.29/-1.79	-2.59/-5.66	-8.59/-10.41	-12.56/-18.2	-12.43/-10.78	-11.02/-9.07	-4.66/-1.3	0.27/0.08	-0.88/-0.29	1.37/1.78	0.71/0.39	-0.51/-1.19	-2.39/-0.86	
Θ(37.5°)	0.12/-0.5	-1.51/-2.92	-4.4/-6.04	-10.41/-17.48	-14.68/-13.47	-18.66/-18.48	-14.02/-7.89	-2.99/-0.82	-0.82/-0.76	1.23/1.49	1.2/0.07	-0.96/-1.72	-4.88/-6.73	-6.49/-11.44	-12.56/-9.12	-8.65/-10.64	-12.83							



Sporton International Inc. Hsinchu Laboratory



Antenna Pattern of Radio 1 2.4GHz and 5GHz (EUT 1)

Appendix O

Θ (15°)	-15.44/-15.21	-14.19/-14.60	-13.84/-12.45	-10.95/-10.48	-10.44/-10.51	-10.78/-10.95	-11.74/-10.99	-10.14/-9.68	-9.59/-10.42	-11.88/-13.94	-14.29/-14.09	-14.81/-15.29	-14.92/-15.60	-15.91/-15.35	-15.23/-14.14	-13.07/-13.49	-13.50/-13.26	-11.91/-10.93	-10.71/-11.33	-12.38/-14.08	-13.94/-13.45	-13.23/-12.95	-12.72/-12.50	-13.72/-14.65
Θ (22.5°)	-13.04/-11.37	-10.29/-9.92	-8.42/-6.45	-4.96/-4.84	-5.74/-6.84	-7.47/-8.03	-8.11/-8.62	-8.17/-8.22	-8.24/-9.04	-9.42/-9.28	-9.60/-8.98	-7.56/-7.49	-8.10/-9.13	-7.89/-8.36	-8.48/-8.48	-8.11/-7.46	-6.59/-5.29	-3.80/-2.61	-2.17/-2.49	-3.46/-4.45	-4.92/-5.50	-6.90/-8.46	-10.10/-11.49	-12.83/-14.70
Θ (30°)	-2.47/-2.38	-2.81/-3.44	-4.24/-4.58	-5.43/-4.21	-3.98/-4.39	-5.23/-5.33	-5.20/-5.29	-5.08/-5.67	-6.16/-7.95	-9.55/-1.02	-4.99/-3.58	-3.20/-13.29	-3.48/-1.53	-2.03/-0.41	-1.02/-1.78	-5.34/-10.02	-11.47/-10.52	-1.79/-5.69	-5.68/-7.84	-3.27/-3.86	-4.79/-5.06	-5.68/-6.35	-13.77/-6.51	-5.63/-9.30
Θ (37.5°)	0.22/0.24	-0.00/-0.98	-2.94/-5.61	-7.27/-6.39	-5.32/-3.60	-2.28/-1.73	-1.66/-1.75	-2.42/-3.78	-5.80/-8.30	-7.51/-3.82	-1.35/0.07	-0.65/-2.32	-4.20/-3.20	-0.66/0.44	0.04/-1.59	-3.96/-6.38	-9.95/-10.20	-7.27/-14.24	-2.08/-0.93	-0.62/-1.04	-2.53/-3.12	-3.20/-3.37	-2.95/-2.42	-2.40/-1.52
Θ (45°)	0.51/0.57	0.05/-1.1	-2.27/-4.25	-6.47/-6.35	-4.93/-2.39	-1.28/-0.69	-0.30/-0.58	-1.82/-3.10	-3.66/-5.09	-4.93/-2.20	0.28/1.74	1.51/-0.18	-2.73/-3.23	-1.93/0.01	1.28/1.25	-0.28/-2.21	-4.53/-5.31	-3.69/-2.18	-1.37/-0.19	-0.27/-1.78	-3.79/-5.31	-4.62/-2.59	-1.75/-1.98	-2.30/-1.16
Θ (52.5°)	0.20/0.10	-0.50/-1.15	-1.02/-1.72	-3.10/-3.29	-2.03/-1.83	-1.18/-2.05	-0.33/-0.20	-1.87/-3.03	-2.63/-2.80	-3.39/-2.65	-1.21/-0.24	-0.38/-0.79	-3.37/-3.90	-2.45/-0.50	0.81/0.43	0.32/0.37	-0.18/-1.18	-1.43/-0.36	0.78/0.73	-0.36/-2.31	-0.39/-4.07	-5.70/-3.71	-0.88/-0.30	-0.88/-0.52
Θ (60°)	-0.49/-0.20	-0.78/-0.62	0.68/1.42	0.45/-0.53	-0.33/-0.41	-0.23/-0.07	0.07/0.47	-0.15/-0.94	-1.58/-1.90	-2.54/-2.68	-3.25/-3.82	-3.08/-3.30	-5.84/-4.10	-2.08/-2.06	-2.45/-2.08	-1.73/-1.56	-1.65/-2.05	-0.88/-1.21	-2.06/-2.23	-2.24/-1.29	-0.38/-1.06	-2.13/-2.91	0.51/1.55	0.76/-0.37
Θ (67.5°)	-0.87/0.03	-0.36/-0.41	1.53/2.50	1.44/0.39	0.30/0.07	-0.21/-0.17	-0.03/0.38	-0.27/-0.37	-0.25/0.37	0.05/-0.40	-2.13/-3.05	-3.69/-6.12	-3.89/-0.52	0.81/-1.78	-3.81/-2.28	-2.38/-3.13	-2.92/-4.44	-1.95/-1.17	-3.43/-2.29	-1.38/-0.00	1.51/0.87	0.39/-1.88	1.05/2.37	1.24/-0.21
Θ (75°)	-1.55/-0.30	-0.91/-1.23	1.39/2.38	1.38/0.37	0.46/0.04	-0.71/-0.38	0.05/0.25	-0.96/-0.49	0.02/0.83	1.35/1.22	-0.05/-0.65	-1.32/-3.21	-1.13/0.37	1.98/-0.35	-2.94/-0.86	-0.76/-1.09	-0.15/-1.67	-0.77/-1.58	-0.36/-0.95	-0.63/0.29	1.63/0.97	0.66/-1.08	0.96/2.33	0.91/-0.96
Θ (82.5°)	-2.12/-1.44	-2.07/-2.32	0.15/1.22	0.18/-0.39	0.16/-1.42	-1.73/-0.57	0.05/-0.19	-2.01/-1.78	-0.58/0.31	1.04/1.06	-0.86/-0.89	-1.24/-2.09	-0.20/0.58	1.61/-1.03	-3.32/-2.33	-1.33/-0.32	1.19/0.86	0.34/2.48	1.49/0.20	-0.03/0.11	0.69/0.19	-0.23/-1.75	-0.43/-1.59	-0.02/-2.00
Θ (90°)	-3.72/-3.79	-4.25/-4.53	-1.89/-0.55	-1.14/-2.02	-1.74/-4.36	-2.96/-1.00	-1.25/-1.88	-2.65/-4.39	-1.98/-1.41	-0.54/-0.09	-1.77/-2.44	-2.63/-2.00	-0.94/-0.95	0.77/-1.86	-3.91/-3.82	-2.22/-1.22	0.55/0.86	-0.01/1.96	1.74/-0.91	-1.34/-0.68	-1.01/-2.35	-1.97/-1.94	-2.52/0.41	-1.22/-2.37
Θ (97.5°)	-4.34/-6.00	-6.24/-5.51	-3.52/-2.30	-2.65/-3.99	-4.08/-6.29	-4.23/-2.29	-3.38/-4.95	-4.52/-5.77	-3.37/-3.39	-2.67/-1.93	-3.55/-4.22	-5.04/-3.31	-3.00/-2.68	-1.10/-4.72	-5.75/-5.65	-5.10/-3.18	-0.65/-0.89	-1.68/0.22	0.14/-3.06	-4.28/-2.89	-3.63/-0.66	-3.29/-3.53	-5.27/-1.43	-3.18/-4.93
Θ (105°)	-6.89/-8.36	-7.69/-6.59	-5.49/-4.85	-4.54/-6.39	-7.10/-6.72	-6.49/-4.87	-5.55/-6.77	-6.92/-8.65	-6.34/-5.36	-4.84/-3.75	-5.43/-6.75	-6.89/-6.60	-6.06/-4.79	-4.07/-8.24	-6.88/-8.22	-11.23/-7.39	-3.46/-3.56	-5.95/-4.99	-4.64/-6.05	-8.20/-7.72	-7.20/-8.35	-5.16/-6.80	-7.18/-3.55	-4.25/-5.97
Θ (112.5°)	-8.86/-9.33	-10.48/-8.78	-8.48/-8.28	-7.48/-7.41	-9.34/-7.87	-9.17/-8.99	-8.81/-9.58	-9.91/-9.21	-8.49/-7.48	-7.03/-7.46	-6.80/-7.65	-9.17/-8.86	-8.48/-6.52	-6.46/-11.11	-7.88/-9.54	-11.54/-10.58	-9.62/-9.93	-9.53/-7.04	-9.68/-11.41	-12.86/-9.10	-9.62/-9.93	-6.94/-7.55	-5.54/-7.22	-7.36/-9.97
Θ (120°)	-11.06/-11.25	-13.24/-12.84	-10.96/-9.76	-11.88/-6.82	-9.50/-11.61	-12.24/-10.95	-9.18/-8.96	-10.10/-12.42	-10.69/-10.23	-8.56/-9.28	-9.05/-9.00	-9.42/-10.22	-11.42/-7.23	-7.92/-10.65	-10.70/-11.80	-14.84/-9.92	-9.46/-9.09	-10.08/-7.83	-9.20/-11.22	-10.88/-9.11	-9.99/-11.76	-10.03/-8.90	-10.71/-9.80	-8.75/-12.19
Θ (127.5°)	-15.24/-14.02	-12.76/-14.48	-12.58/-10.54	-9.25/-10.27	-10.85/-13.41	-14.92/-11.60	-12.26/-14.61	-13.31/-11.77	-13.85/-12.18	-10.83/-9.85	-10.22/-10.36	-9.87/-13.08	-11.84/-10.86	-8.86/-16.37	-11.98/-13.44	-15.09/-9.79	-8.88/-8.68	-11.35/-10.14	-8.69/-10.91	-10.34/-11.98	-13.21/-13.73	-11.93/-11.43	-11.52/-10.13	-11.20/-14.06
Θ (135°)	-17.47/-14.10	-12.79/-11.95	-13.41/-13.14	-14.33/-12.56	-12.33/-15.52	-14.18/-11.87	-12.16/-10.49	-15.76/-13.96	-12.27/-11.14	-12.55/-13.77	-11.31/-13.29	-13.03/-14.27	-11.47/-16.08	-14.96/-10.50	-15.30/-13.86	-14.18/-13.83	-15.91/-15.37	-14.85/-13.92	-13.51/-15.09	-14.10/-10.73	-14.68/-14.09	-13.70/-10.96	-11.27/-12.31	
Θ (142.5°)	-15.77/-15.28	-12.71/-15.82	-10.13/-11.45	-14.31/-11.45	-15.20/-15.95	-14.56/-15.24	-14.60/-15.26	-15.33/-15.01	-13.71/-14.59	-13.71/-12.61	-12.45/-9.77	-11.47/-15.12	-15.99/-14.10	-13.43/-15.16	-12.90/-14.46	-12.94/-15.32	-15.50/-15.84	-13.18/-13.94	-10.47/-12.92	-15.22/-14.51	-11.76/-14.49	-15.23/-14.95	-15.18/-15.58	
Θ (150°)	-15.35/-15.38	-15.77/-15.49	-14.58/-14.30	-15.08/-14.95	-14.06/-13.56	-13.13/-14.30	-15.13/-15.31	-15.57/-14.85	-14.88/-15.54	-14.46/-16.16	-15.85/-13.68	-13.06/-11.64	-11.04/-11.01	-14.65/-15.44	-16.04/-15.06	-15.45/-15.57	-13.46/-14.86	-15.79/-12.96	-10.61/-13.30	-14.70/-15.27	-15.48/-15.07	-15.27/-15.29	-15.75/-15.31	-15.11/-15.44
Θ (157.5°)	-15.10/-15.89	-15.32/-15.53	-14.93/-13.22	-11.78/-12.30	-14.34/-15.30	-14.97/-15.37	-15.55/-14.52	-15.32/-14.66	-15.27/-15.35	-16.09/-15.92	-15.30/-15.73	-14.23/-14.00	-12.99/-13.66	-15.59/-15.16	-15.11/-15.59	-14.82/-14.63	-14.19/-15.36	-15.31/-15.19	-15.92/-14.86	-15.11/-14.66	-14.78/-13.83	-14.64/-15.25	-14.89/-15.41	-14.42/-15.19
Θ (165°)	-14.19/-14.39	-15.70/-15.86	-15.05/-15.12	-15.84/-14.48	-15.32/-15.74	-15.63/-15.52	-15.72/-15.10	-14.87/-15.57	-15.45/-14.94	-15.70/-15.46	-15.57/-14.79	-14.20/-14.38	-15.44/-13.42	-12.71/-15.77	-15.17/-15.52	-14.88/-15.71	-15.26/-15.27	-15.50/-14.66	-15.57/-14.68	-15.97/-15.78	-15.12/-15.49	-14.90/-15.26	-15.35/-16.05	-14.87/-14.94
Θ (172.5°)	-15.58/-14.94	-15.05/-15.17	-15.25/-15.77	-15.53/-15.92	-14.90/-15.20	-15.81/-15.14	-15.07/-15.18	-14.85/-14.52	-14.91/-15.67	-15.40/-14.65	-14.33/-14.91	-15.26/-14.11	-14.35/-14.07	-14.01/-14.56	-15.02/-15.53	-15.10/-15.82	-14.50/-15.68	-14.81/-15.68	-15.04/-14.19	-13.98/-13.13	-14.33/-14.53	-15.29/-15.65	-15.18/-14.96	
Θ (180°)	-14.98/-14.33	-14.71/-14.42	-15.05/-15.63	-14.64/-13.85	-14.08/-13.68	-14.25/-14.66	-13.87/-13.17	-13.08/-13.59	-14.37/-15.01	-14.59/-15.10	-15.87/-16.05	-15.75/-15.88	-15.43/-15.53	-15.82/-15.10	-15.59/-14.68	-15.12/-15.05	-15.37/-14.96	-15.92/-15.65	-15.77/-14.98	-15.35/-15.25	-15.47/-15.58	-15.65/-14.60	-15.21/-15.71	-15.09/-16.18
Freq(Hz)	2.450GPol	Total/Ant. 2	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ (0°)	-9.16/-7.85	-8.65/-4.89	-8.47/-6.68	-8.84/-9.18	-9.40/-9.55	-9.65/-9.74	-9.88/-10.15	-9.95/-9.61	-9.43/-9.24	-9.14/-9.08	-8.92/-8.56	-8.34/-8.05	-7.85/-7.71	-7.76/-7.78	-7.86/-8.10	-8.49/-8.89	-9.36/-9.81	-10.33/-10.70	-10.69/-10.51	-10.52/-10.68	-10.66/-10.94	-10.72/-10.54	-10.24/-9.90	-9.66/-9.42
Θ (7.5°)	-6.43/-6.39	-6.53/-6.62	-6.91/-7.47	-8.15/-8.78	-9.34/-9.87	-10.53/-10.82	-11.61/-10.93	-11.21/-11.34	-10.86/-10.55	-10.27/-10.06	-9.89/-9.82	-9.71/-9.57	-9.76/-9.74	-9.65/-9.61	-9.59/-9.25	-9.45/-9.86	-9.77/-9.61	-9.89/-9.59	-10.05/-9.86	-9.68/-8.49	-8.20/-7.94	-7.12/-6.89	-6.72/-6.61	
Θ (15°)	-3.08/-3.26	-3.52/-3.92	-4.42/-5.04	-5.62/-6.14	-6.55/-6.80	-6.88/-6.80	-6.65/-6.50	-6.53/-6.72	-6.55/-6.56	-6.33/-6.40	-6.48/-6.55	-6.58/-6.60	-6.47/-6.35	-6.17/-6.04	-5.91/-5.73	-5.54/-5.42	-5.38/-5.24	-5.04/-4.87	-4.66/-4.50	-4.25/-3.99	-3.75/-3.48	-3.27/-3.15	-3.03/-3.00	-2.95/-2.99
Θ (22.5°)	-0.16/-0.23	-0.39/-0.67	-1.07/-1.48	-1.96/-2.37	-2.61/-2.71	-2.74/-2.58	-2.47/-2.75	-2.81/-2.97	-2.99/-3.42	-3.51/-3.32	-3.21/-2.94	-2.74/-2.49	-2.31/-2.03	-1.80/-1.68	-1.62/-1.55	-1.54/-1.69	-1.72/-1.81	-1.81/-1.80	-1.75/-1.64	-1.47/-1.24	-1.05/-0.82	-0.61/-0.46	-0.34/-0.24	-0.18/-0.16
Θ (30°)	1.89/0.24	2.09/0.22	1.79/1.55	1.29/1.08	1.00/1.01	1.02/1.00	0.90/0.75	0.53/-0.07	-0.37/-0.81	-1.03/-0.99	-0.79/-0.60	-0.28/0.05	0.27/0.47	0.68/0.84	0.83/0.64	0.47/0.31	0.17/0.09	0.01/0.07	0.21/0.39	0.59/0.83	1.01/1.13	1.25/1.41	1.54/1.70	
Θ (37.5°)	3.01/3.35	3.57/3.61	3.52/3.37	3.23/2.22	3.32/3.42	3.36/3.20	2.92/2.58	2.15/1.53	1.02/0.62	0.23/0.32	0.50/0.82	1.38/1.70	1.92/1.90	2.06/1.98	1.86/1.73	1.59/1.40	1.25/1.10	0.99/0.90	0.88/0.97	1.12/1.26	1.41/1.52	1.64/1.74	1.90/2.06	2.12/2.62
Θ (45°)	3.41/3.85	4.16/4.26	4.18/4.04	4.00/4.13	4.34/4.48	4.40/4.12	3.72/3.30	2.95/2.60	2.15/1.48	1.13/1.10	1.58/1.96	2.16/2.40	2.49/2.50	2.38/2.32	2.10/1.86	1.62/1.41	1.26/1.20	1.16/1.16	1.24/1.40	1.58/1.64	1.65/1.59	1.53/1.56	1.76/2.04	2.41/2.90
Θ (52.5°)	3.09/3.63	3.95/4.02	3.87/3.67	3.60/3.81	4.03/4.11	3.95/3.58	3.12/2.70	1.50/1.14	0.96/0.94	1.31/1.64	1.94/2.47	2.37/2.22	2.27/2.01	1.70/1.40	1.12/0.94	0.75/0.83	0.95/1.06	1.25/1.42	1.51/1.49	1.30/1.05	0.86/0.85	1.03/1.41	1.93/2.51	
Θ (60°)	2.27/2.87	3.22/3.31	3.06/2.78	2.62/2.80	2.95/2.93	2.74/2.37	1.96/1.56	1.36/1.34	1.29/0.74	0.39/0.44	0.86/1.46	1.80/1.75	1.72/1.50	1.17/0.93	0.71/0.32	0.15/0.00	0.10/0.22	0.34/0.45	0.61/0.74	0.86/0.87	0.60/2			



Antenna Pattern of Radio 1 2.4GHz and 5GHz (EUT 1)

Appendix O

Θ (60°)	-0.97/-0.96	-0.85/-1.21	-0.99/-0.61	-0.26/-2.14	-4.62/-4.12	-1.90/-1.78	-3.77/-6.20	-5.49/-3.77	-1.41/-0.28	-1.06/-1.73	-3.03/-3.91	-1.97/-0.28	0.22/0.09	-0.50/-1.29	-0.60/-1.38	-1.26/-2.17	-2.54/-2.78	-2.83/-2.82	-1.98/-0.59	0.11/-0.98	-3.36/-1.79	0.08/-0.13	-1.86/-3.43	-3.33/-2.39
Θ (67.5°)	1.33/0.41	-0.33/-0.88	-0.31/0.72	0.99/-0.79	-2.77/-4.05	-2.19/-0.41	-0.03/-1.27	-1.72/-0.96	0.41/-1.36	0.58/0.00	-0.90/-1.17	0.64/-1.70	0.88/-0.10	-0.58/-0.77	0.56/-0.21	-0.20/-1.85	-1.65/-1.17	-1.10/-2.00	-0.99/0.52	0.79/-0.97	-2.60/-0.04	1.37/0.60	-0.91/-1.11	0.05/0.60
Θ (75°)	1.86/0.25	-0.89/-1.34	-0.45/0.69	0.63/-0.71	-1.64/-3.05	-2.01/0.54	1.73/0.98	0.25/0.30	0.55/-1.44	0.98/0.42	-0.64/-0.01	1.33/2.15	1.06/-0.83	-1.22/-1.26	0.50/0.42	0.48/-1.59	-1.07/-0.41	-0.05/-0.83	0.06/-1.29	-0.98/-0.76	-1.93/0.58	1.40/0.06	-0.93/-0.29	0.78/0.96
Θ (82.5°)	0.90/-1.00	-1.70/-2.63	-1.55/-0.36	-1.01/-1.79	-2.11/-4.03	-2.40/-0.13	0.93/0.51	-0.06/-0.36	-0.49/0.67	0.33/-0.22	-0.70/0.08	1.19/1.37	-0.12/-2.74	-2.65/-2.20	-0.58/-0.75	-0.84/-1.58	-1.02/-0.21	0.10/-0.85	-0.18/0.94	0.81/-0.79	-1.35/0.49	0.55/-1.36	-2.87/-1.36	-0.00/-0.19
Θ (90°)	-1.11/-3.11	-3.75/-5.26	-4.46/-3.07	-3.97/-4.05	-4.47/-6.41	-3.91/-1.67	-1.03/-1.07	-1.36/-2.11	-2.81/-1.54	-1.55/-1.89	-2.54/-1.31	0.08/-0.24	-1.22/-3.45	-4.32/-2.81	-1.88/-1.66	-2.17/-2.60	-2.69/-1.48	-0.54/-1.42	-1.11/-0.12	0.15/-1.02	-1.82/-0.50	-1.02/-0.36	-4.92/-2.55	-1.38/-2.02
Θ (97.5°)	-3.63/-5.30	-5.62/-7.89	-6.66/-5.54	-6.67/-6.20	-7.26/-8.37	-5.82/-4.31	-3.40/-3.09	-3.00/-3.93	-4.79/-3.57	-3.32/-3.73	-3.93/-2.53	-1.08/-2.31	-2.84/-6.23	-5.90/-4.19	-4.02/-3.55	-4.95/-4.85	-5.40/-3.95	-2.90/-3.62	-3.15/-2.37	-2.59/-3.87	-4.00/-3.10	-4.28/-6.29	-7.85/-4.70	-3.89/-4.12
Θ (105°)	-6.11/-7.64	-7.82/-10.16	-8.54/-9.11	-8.50/-9.04	-9.96/-11.51	-8.84/-6.51	-5.54/-4.90	-4.95/-6.81	-6.88/-5.88	-6.05/-5.88	-6.37/-5.19	-3.29/-4.57	-5.48/-8.78	-8.67/-6.06	-5.43/-4.91	-7.15/-7.56	-8.97/-6.85	-6.25/-7.43	-6.89/-6.31	-8.17/-8.88	-8.04/-7.01	-8.08/-9.60	-10.05/-6.70	-5.90/-6.15
Θ (112.5°)	-8.88/-11.01	-10.86/-11.49	-10.24/-10.92	-9.71/-11.76	-11.98/-11.09	-11.28/-10.09	-8.99/-7.75	-8.67/-9.40	-8.08/-8.42	-7.34/-7.50	-7.79/-7.56	-5.40/-7.31	-8.71/-10.15	-11.28/-8.89	-8.34/-7.55	-10.42/-9.58	-9.22/-8.70	-8.96/-10.99	-9.45/-8.61	-11.90/-11.90	-8.41/-7.84	-8.30/-11.97	-12.88/-9.82	-7.91/-7.93
Θ (120°)	-10.10/-12.36	-12.21/-14.54	-12.84/-11.99	-11.57/-12.51	-12.75/-12.66	-11.90/-11.23	-10.61/-10.07	-9.24/-9.22	-8.56/-9.53	-9.82/-9.48	-9.87/-9.97	-8.09/-8.70	-10.95/-11.01	-11.74/-10.23	-9.58/-9.36	-11.64/-11.33	-10.11/-8.91	-9.75/-9.99	-9.89/-9.10	-9.28/-10.15	-8.72/-13.02	-14.34/-11.34	-9.03/-11.20	
Θ (127.5°)	-12.39/-12.43	-15.00/-14.18	-12.64/-12.95	-14.88/-15.13	-13.80/-15.51	-15.00/-12.07	-11.37/-12.04	-11.51/-11.30	-10.16/-9.56	-10.53/-10.66	-11.39/-11.76	-9.99/-10.75	-12.03/-12.65	-13.96/-12.46	-10.29/-10.77	-12.35/-13.47	-11.84/-9.48	-10.05/-10.36	-12.17/-11.28	-10.57/-12.30	-12.30/-11.26	-11.81/-13.42	-15.17/-12.96	-9.15/-11.82
Θ (135°)	-13.35/-13.87	-15.56/-15.54	-14.86/-14.36	-14.35/-14.30	-15.59/-15.28	-15.84/-13.92	-12.18/-13.31	-15.05/-14.53	-13.32/-11.80	-11.63/-11.14	-10.49/-12.74	-13.80/-13.56	-14.84/-14.10	-15.08/-13.82	-11.19/-10.73	-14.43/-15.11	-15.55/-13.18	-15.21/-14.41	-14.56/-15.49	-13.75/-15.89	-14.84/-13.15	-13.61/-14.55	-14.90/-14.84	-12.69/-12.90
Θ (142.5°)	-10.98/-12.69	-13.43/-15.14	-15.45/-15.98	-14.55/-14.14	-15.84/-15.59	-15.56/-12.89	-11.22/-11.15	-11.47/-12.68	-13.88/-14.57	-15.29/-15.66	-14.47/-14.73	-16.42/-15.37	-14.89/-15.62	-15.46/-14.89	-15.61/-15.82	-12.03/-11.77	-14.87/-15.69	-14.97/-15.38	-13.82/-15.71	-15.34/-12.71	-11.81/-14.27	-15.13/-15.21	-15.37/-12.51	
Θ (150°)	-10.90/-12.67	-15.32/-15.35	-15.32/-14.48	-15.52/-15.53	-15.20/-16.20	-15.38/-14.77	-13.59/-14.41	-14.34/-13.05	-13.04/-13.98	-15.16/-15.10	-15.48/-15.74	-15.52/-15.16	-15.20/-14.74	-15.84/-14.43	-15.17/-15.90	-14.53/-14.94	-14.80/-14.26	-12.64/-13.19	-15.43/-14.88	-15.54/-13.25	-14.99/-14.90	-15.02/-15.49	-15.67/-14.86	-15.25/-11.76
Θ (157.5°)	-14.89/-15.26	-14.88/-14.95	-15.34/-15.01	-15.59/-15.07	-14.66/-15.63	-16.30/-14.52	-14.39/-16.07	-15.95/-15.72	-14.97/-15.36	-15.22/-15.10	-14.45/-15.21	-14.80/-15.68	-15.14/-15.47	-15.27/-15.96	-13.97/-14.31	-15.43/-15.22	-16.06/-15.17	-15.06/-15.16	-15.80/-15.65	-15.47/-15.18	-15.88/-15.22	-15.81/-15.26	-15.08/-15.33	
Θ (165°)	-15.29/-15.49	-14.42/-13.63	-13.51/-12.92	-14.66/-15.06	-15.55/-15.68	-14.73/-15.58	-16.07/-15.71	-15.73/-14.68	-14.97/-14.74	-15.22/-15.16	-15.00/-15.09	-15.25/-15.54	-15.66/-15.71	-15.83/-15.45	-14.85/-15.24	-15.16/-15.45	-15.44/-15.85	-15.41/-15.96	-15.20/-14.33	-14.49/-14.48	-15.53/-14.69	-15.06/-14.57	-15.13/-15.64	-15.47/-15.09
Θ (172.5°)	-15.08/-15.24	-15.49/-15.82	-15.11/-15.01	-15.23/-15.71	-15.30/-15.31	-15.44/-15.59	-15.75/-15.70	-15.38/-15.01	-15.43/-15.87	-15.31/-15.89	-15.77/-15.45	-14.99/-15.43	-15.35/-15.88	-15.00/-15.08	-13.88/-13.57	-13.84/-14.16	-14.31/-14.56	-15.38/-15.35	-15.31/-15.18	-15.88/-15.25	-15.28/-15.65	-15.39/-15.35	-15.52/-15.02	-15.00/-14.92
Θ (180°)	-15.89/-15.69	-14.89/-15.66	-15.41/-14.57	-15.03/-16.26	-15.17/-15.66	-14.82/-14.97	-15.81/-15.42	-15.13/-15.40	-15.45/-15.55	-15.19/-15.51	-15.10/-14.94	-15.44/-15.15	-14.62/-15.05	-14.86/-14.47	-13.90/-13.95	-13.95/-14.58	-16.32/-14.80	-14.65/-15.32	-15.82/-15.35	-15.40/-15.61	-15.02/-15.69	-15.50/-15.50	-15.56/-15.18	-14.67/-15.13
Freq(Hz)	5.785GPol.	TotalAnt. 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ (0°)	-8.16/-8.33	-8.15/-8.35	-8.46/-9.04	-9.73/-9.85	-10.70/-11.29	-11.64/-12.85	-13.15/-12.56	-13.20/-12.98	-13.05/-12.79	-12.58/-11.96	-11.42/-11.12	-10.79/-10.50	-10.09/-10.10	-9.69/-9.31	-8.94/-9.13	-9.23/-9.36	-9.42/-9.69	-9.56/-9.58	-9.71/-9.48	-9.29/-9.14	-9.01/-9.01	-8.97/-8.51	-8.20/-8.00	
Θ (7.5°)	-9.63/-9.37	-9.25/-9.10	-8.87/-8.78	-9.17/-9.02	-9.37/-9.48	-9.37/-9.37	-9.44/-9.10	-8.84/-8.65	-8.50/-8.25	-8.30/-8.38	-8.37/-8.61	-8.61/-8.71	-9.05/-9.48	-10.11/-10.81	-12.00/-12.90	-13.60/-14.49	-15.76/-16.11	-16.30/-15.07	-14.44/-14.10	-15.61/-11.63	-10.91/-10.47	-10.58/-10.54	-10.50/-9.84	
Θ (15°)	-5.01/-4.91	-5.30/-5.85	-6.44/-7.01	-7.80/-8.81	-9.48/-10.37	-11.37/-11.94	-12.40/-11.88	-11.17/-10.57	-9.99/-10.00	-9.63/-9.47	-9.01/-8.68	-8.54/-8.76	-9.92/-11.43	-13.38/-13.11	-13.17/-12.88	-12.97/-12.87	-12.51/-13.09	-13.66/-13.58	-12.62/-11.41	-10.61/-9.64	-8.82/-8.08	-7.22/-6.70	-6.24/-6.07	-5.98/-5.82
Θ (22.5°)	-3.75/-4.60	-6.32/-7.88	-8.56/-8.76	-9.36/-9.29	-8.10/-6.76	-6.20/-5.56	-4.98/-4.89	-4.87/-5.22	-6.05/-7.20	-8.30/-9.58	-11.09/-11.46	-9.80/-8.24	-8.28/-8.99	-9.61/-9.59	-8.42/-6.65	-5.34/-4.44	-4.04/-4.22	-4.90/-5.76	-6.41/-6.64	-6.08/-5.58	-5.30/-5.10	-4.69/-4.44	-4.19/-4.01	-3.71/-3.63
Θ (30°)	-3.40/-4.59	-5.78/-6.06	-3.60/-2.49	-1.90/-3.89	-1.11/-2.15	-3.58/-4.87	-3.24/-5.08	-4.73/-4.34	-2.33/-4.97	-6.73/-9.92	-9.86/-7.30	-3.92/-3.85	-3.92/-3.78	-3.49/-3.34	-3.25/-2.79	-2.22/-2.21	-2.56/-3.10	-3.73/-4.82	-6.01/-6.16	-4.56/-3.03	-2.69/-3.44	-4.27/-4.34	-3.41/-3.03	-3.08/-3.09
Θ (37.5°)	-0.70/-1.99	-4.01/-5.30	-4.58/-2.57	-0.64/-0.19	-0.07/-1.20	-3.10/-4.71	-5.65/-4.76	-3.50/-2.92	-3.34/-4.35	-6.35/-7.97	-5.90/-3.31	-1.63/-1.10	-1.26/-1.82	-2.39/-3.40	-3.90/-3.43	-2.65/-2.75	-2.77/-2.89	-3.54/-4.29	-4.07/-2.97	-2.33/-2.09	-1.91/-2.59	-3.43/-3.25	-1.99/-0.68	0.24/0.22
Θ (45°)	-0.45/-1.22	-2.93/-4.33	-3.68/-1.49	0.26/0.83	0.71/0.00	-0.92/-2.17	-3.03/-1.80	-0.63/-0.60	-0.38/-2.15	-3.99/-5.57	-6.53/-6.50	-3.48/-1.97	-2.09/-2.84	-3.59/-6.42	-4.54/-3.98	-3.28/-3.21	-3.01/-2.56	-1.88/-1.74	-2.06/-1.31	-0.00/-0.36	-0.40/-1.47	-2.08/-2.37	-2.15/-1.08	0.16/0.36
Θ (52.5°)	-2.99/-1.73	-1.67/-2.68	-2.39/-1.16	-0.14/0.09	-0.36/-0.90	-0.69/-2.00	-3.42/-2.27	-1.61/-1.17	-1.06/-2.42	-3.75/-4.60	-6.49/-6.54	-4.98/-1.96	-1.79/-2.32	-3.95/-4.63	-1.95/-3.14	-3.65/-3.61	-2.92/-5.52	-2.13/-1.20	-0.09/0.58	-0.48/-1.39	-1.14/-1.81	-3.85/-5.11	-4.24/-3.79	
Θ (60°)	-1.46/-0.10	-0.22/-1.40	-1.87/-1.96	-1.46/-1.99	-4.12/-3.97	-2.34/-2.94	-5.72/-6.80	-4.35/-2.88	-1.16/-1.19	-1.78/-1.74	-3.33/-4.00	-1.96/-0.62	-0.41/-0.93	-2.23/-3.36	-1.86/-0.72	-0.69/-2.23	-4.34/-4.07	-2.96/-2.92	-2.86/-2.46	-1.40/-0.91	-2.79/-4.44	-1.85/-1.06	-2.47/-4.67	-4.58/-4.07
Θ (67.5°)	0.87/1.31	0.88/0.04	-0.24/-0.13	0.63/-0.06	-2.54/-3.25	-2.60/-2.11	-2.23/-3.09	-1.76/-0.77	0.09/-0.14	-0.42/-0.27	-1.77/-1.24	1.06/-1.29	0.01/-1.36	-2.21/-2.78	-0.18/0.66	1.71/-0.98	-2.81/-2.65	-1.37/-1.89	-2.37/-1.95	-0.92/-0.21	-2.94/-3.94	-0.99/-0.17	-0.44/-1.72	-0.68/-0.79
Θ (75°)	1.85/1.72	1.14/0.72	0.15/0.73	1.21/0.37	-1.23/-1.48	-0.80/-0.22	0.47/0.38	0.43/0.75	0.66/0.57	0.08/0.51	-0.82/-0.12	1.86/2.94	1.17/-0.27	-1.23/-1.79	0.38/1.30	1.95/-0.14	-1.50/-1.60	0.01/-0.43	-1.22/-1.56	-0.95/-0.11	-2.76/-3.33	-0.91/-0.44	-0.39/-0.84	0.42/0.15
Θ (82.5°)	0.93/0.46	0.15/-0.11	-0.85/0.29	0.08/-0.74	-1.53/-1.06	-1.11/-0.77	0.10/-0.14	-0.16/0.78	0.31/-0.06	-0.28/0.07	-1.15/0.34	1.60/-1.50	-1.19/-2.20	-2.25/-1.72	-0.10/-0.19	0.67/-0.75	-1.04/-0.98	0.51/0.25	-1.56/-1.42	-1.00/-0.13	-2.53/-2.50	-1.00/-1.80	-2.41/-1.92	-0.29/-0.91
Θ (90°)	-0.91/-1.92	-1.66/-2.15	-3.28/-1.33	-2.44/-3.06	-3.30/-2.47	-3.08/-2.42	-1.57/-1.89	-2.21/-0.96	-1.53/-1.48	-1.74/-1.45	-2.26/-0.51	0.75/0.67	-1.93/-3.23	-3.69/-2.73	-1.41/-2.01	-1.44/-1.38	-1.77/-1.62	0.32/-0.60	-2.09/-2.14	-2.03/-0.79	-3.09/-2.87	-2.31/-3.04	-4.24/-3.14	-1.65/-2.85
Θ (97.5°)	-3.87/-4.62	-3.99/-5.21	-6.03/-4.34	-6.10/-5.72	-5.89/-5.81	-5.70/-3.79	-3.54/-3.84	-4.12/-3.34	-4.07/-3.19	-4.06/-3.83	-4.56/-2.02	-1.33/-1.86	-4.56/-5.04	-5.22/-3.78	-3.10/-3.62	-4.42/-3.49	-4.43/-3.70	-1.71/-2.86	-3.90/-3.50	-4.20/-2.83	-5.23/-4.94	-5.12/-5.52	-7.14/-4.95	-3.93/-4.25
Θ (105°)	-7.15/-7.40	-6.07/-7.95	-7.51/-6.82	-8.40/-7.11	-8.58/-10.39	-8.46/-6.98	-7.18/-6.23	-5.48/-5.41	-5.99/-4.66	-5.82/-5.90	-6.11/-3.90	-2.50/-3.67	-5.54/-6.37	-6.37/-6.33	-6.84/-4.67	-7.10/-6.30	-6.38/-5.56	-4.98/-9.71	-8.16/-7.54	-9.92/-7.72				



Antenna Pattern of Radio 1 2.4GHz and 5GHz (EUT 1)

Appendix O

Θ(112.5°)	-2.97/-4.31	-5.60/-6.71	-5.13/-3.87	-2.21/-3.99	-6.88/-6.19	-4.33/-1.34	-0.47/-2.29	-1.37/-1.03	-3.67/-3.05	-2.94/-5.52	-4.95/-4.83	-4.83/-7.73	-5.31/-5.65	-7.79/-4.72	-6.25/-5.53	-6.67/-5.73	-13.58/-8.95	-7.71/-13.69	-11.86/-11.79	-8.30/-10.50	-7.00/-9.94	-10.43/-13.60	-7.81/-4.46	-5.88/-4.87
Θ(120°)	-4.50/-5.99	-6.71/-9.31	-6.36/-5.22	-4.99/-5.51	-7.06/-5.33	-4.49/-3.85	-3.21/-2.59	-1.32/-1.50	-3.20/-3.71	-4.32/-5.71	-7.13/-6.63	-6.49/-9.47	-7.20/-6.36	-9.33/-7.65	-5.22/-6.34	-7.48/-6.73	-11.56/-5.77	-4.67/-9.61	-12.49/-8.46	-7.84/-5.15	-15.56/-8.60	-10.12/-12.74	-8.78/-6.30	-7.08/-4.25
Θ(127.5°)	-8.40/-7.09	-7.79/-10.28	-8.62/-6.92	-7.43/-6.65	-9.28/-7.16	-6.18/-7.59	-6.02/-3.30	-2.61/-5.14	-6.63/-6.15	-6.50/-7.49	-9.39/-8.39	-5.73/-9.22	-8.04/-7.72	-7.62/-7.88	-8.27/-14.49	-10.85/-8.53	-13.27/-6.24	-4.26/-7.57	-12.71/-7.41	-6.63/-9.21	-15.11/-13.54	-13.25/-9.70	-13.89/-11.01	-8.72/-6.74
Θ(135°)	-7.98/-12.87	-10.44/-9.27	-9.13/-6.10	-7.24/-7.45	-8.19/-9.44	-9.41/-6.67	-4.05/-4.07	-4.65/-5.32	-7.70/-6.57	-6.96/-8.89	-9.46/-9.61	-9.13/-10.05	-10.28/-10.17	-10.03/-8.02	-9.28/-9.35	-8.88/-7.87	-10.59/-11.26	-9.61/-12.37	-9.32/-10.16	-11.02/-15.52	-15.53/-15.51	-11.61/-11.41	-10.03/-7.12	-9.69/-12.24
Θ(142.5°)	-8.85/-15.04	-11.71/-9.23	-10.26/-8.21	-9.25/-11.11	-12.06/-11.84	-11.01/-8.55	-7.09/-5.62	-4.44/-4.10	-6.21/-7.70	-9.22/-11.96	-12.23/-9.15	-9.47/-8.28	-8.81/-14.38	-10.12/-6.47	-6.66/-10.92	-9.80/-14.38	-12.17/-15.05	-9.19/-12.34	-14.02/-10.32	-7.43/-8.97	-10.71/-15.76	-10.99/-13.06	-12.51/-11.86	-12.08/-12.71
Θ(150°)	-15.05/-14.56	-15.10/-11.69	-11.53/-12.50	-12.06/-12.72	-11.60/-9.25	-11.60/-9.25	-5.02/-5.48	-6.78/-5.52	-5.31/-7.13	-7.57/-7.77	-8.05/-10.13	-10.89/-13.97	-10.23/-10.29	-7.76/-8.62	-7.22/-11.96	-11.84/-13.09	-13.97/-14.61	-12.92/-9.84	-10.61/-14.10	-11.39/-13.05	-13.88/-13.15	-10.84/-12.27	-10.99/-12.42	-13.52/-13.41
Θ(157.5°)	-10.80/-10.66	-11.82/-11.69	-10.93/-10.34	-8.80/-7.95	-9.04/-11.53	-10.67/-9.84	-11.10/-9.60	-7.80/-7.59	-5.81/-4.84	-5.40/-7.19	-10.56/-10.32	-9.71/-8.74	-9.42/-11.19	-10.36/-14.76	-16.03/-15.39	-11.89/-13.45	-16.10/-12.40	-9.51/-9.96	-13.56/-15.54	-14.07/-13.87	-15.15/-14.01	-14.02/-14.12	-15.31/-13.13	-11.83/-11.32
Θ(165°)	-11.61/-10.84	-10.30/-10.26	-11.36/-13.31	-13.60/-13.53	-13.30/-11.86	-10.45/-11.18	-10.05/-9.08	-9.26/-10.06	-9.35/-10.03	-12.51/-10.93	-8.10/-6.93	-7.19/-8.42	-9.98/-12.60	-13.04/-11.94	-9.39/-11.03	-15.38/-15.24	-13.83/-13.02	-12.88/-14.25	-15.58/-15.49	-14.24/-13.28	-12.79/-12.09	-11.28/-11.77	-9.74/-10.06	-12.88/-13.81
Θ(172.5°)	-13.30/-11.55	-10.91/-10.60	-9.52/-9.54	-10.90/-10.81	-10.47/-9.40	-8.80/-9.04	-8.59/-8.54	-9.10/-8.56	-9.21/-8.59	-8.17/-7.92	-8.29/-10.30	-12.50/-14.31	-15.08/-15.29	-14.89/-13.26	-10.65/-9.54	-9.96/-10.80	-9.42/-8.63	-8.14/-8.12	-8.41/-8.36	-9.41/-11.32	-12.97/-13.17	-13.03/-13.92	-15.04/-15.04	
Θ(180°)	-10.52/-9.78	-8.63/-7.99	-7.81/-7.86	-7.74/-7.75	-7.92/-7.35	-7.17/-6.77	-6.34/-6.06	-6.24/-6.42	-6.56/-7.72	-8.58/-9.18	-10.18/-10.19	-10.36/-11.25	-11.75/-12.34	-13.07/-14.62	-14.77/-14.30	-12.00/-9.90	-8.87/-8.83	-8.57/-8.84	-8.77/-9.52	-10.79/-10.59	-10.81/-12.39	-11.51/-10.40	-10.41/-10.06	-9.52/-9.76
Freq(Hz)	5.6GPol	TotalAnt.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)Φ(7.5°)	Φ(15°)Φ(22.5°)	Φ(30°)Φ(37.5°)	Φ(45°)Φ(52.5°)	Φ(60°)Φ(67.5°)	Φ(75°)Φ(82.5°)	Φ(90°)Φ(97.5°)	Φ(105°)Φ(112.5°)	Φ(120°)Φ(127.5°)	Φ(135°)Φ(142.5°)	Φ(150°)Φ(157.5°)	Φ(165°)Φ(172.5°)	Φ(180°)Φ(187.5°)	Φ(195°)Φ(202.5°)	Φ(210°)Φ(217.5°)	Φ(225°)Φ(232.5°)	Φ(240°)Φ(247.5°)	Φ(255°)Φ(262.5°)	Φ(270°)Φ(277.5°)	Φ(285°)Φ(292.5°)	Φ(300°)Φ(307.5°)	Φ(315°)Φ(322.5°)	Φ(330°)Φ(337.5°)	Φ(345°)Φ(352.5°)
Θ(0°)	-7.14/-7.27	-7.65/-7.20	6.25/-5.69	-5.36/-5.56	-5.52/-5.77	-5.49/-5.25	-4.86/-4.57	-5.02/-4.95	-4.51/-4.46	-4.41/-4.64	-5.47/-5.85	-5.69/-5.74	-6.22/-6.58	-6.51/-6.09	-6.14/-6.83	-7.69/-6.92	-6.99/-6.60	-8.15/-7.94	-9.60/-8.59	-8.71/-8.73	-9.01/-8.99	-7.69/-7.91	-8.13/-8.09	-7.92/-7.63
Θ(7.5°)	-6.63/-7.38	-7.64/-7.33	-7.28/-7.72	-7.47/-7.84	-8.55/-8.40	-8.34/-8.51	-9.42/-8.37	-8.53/-9.67	-9.29/-8.71	-8.22/-7.73	-7.32/-6.72	-6.06/-5.77	-5.91/-5.68	-5.04/-3.49	-3.93/-3.67	-3.69/-3.93	-3.29/-3.11	-3.54/-2.99	-3.09/-3.49	-3.40/-3.93	-3.71/-4.01	-4.31/-4.49	-4.74/-5.11	-6.03/-6.37
Θ(15°)	-6.22/-7.27	-6.93/-6.40	-5.86/-5.02	-4.14/-4.84	-3.09/-3.40	-3.44/-3.32	-4.33/-4.90	-5.23/-6.63	-7.38/-6.94	-6.79/-6.62	-5.70/-4.84	-3.89/-2.91	-2.28/-2.00	-1.37/-0.73	-0.330.06	0.450.52	0.440.29	-1.03/-1.58	-2.28/-2.42	-4.05/-4.48	-4.05/-4.48	-4.91/-5.36		
Θ(22.5°)	-4.86/-6.03	-6.19/-5.45	-4.40/-3.40	-2.71/-2.19	-1.80/-1.45	-1.26/-1.27	-1.37/-1.21	-1.29/-1.96	-2.72/-3.13	-3.39/-3.56	-3.77/-3.86	-3.65/-2.64	-1.76/-1.05	0.28/-1.22	1.37/-1.58	1.70/-1.71	1.85/-1.96	1.89/-1.81	1.75/-1.29	0.850.06	-0.95/-2.13	-3.18/-3.58	-4.17/-4.54	-5.01/-4.59
Θ(30°)	-2.26/-2.91	-3.05/-2.77	-2.62/-2.03	-2.58/-3.66	-3.34/-1.62	0.080.99	1.03/-1.67	1.36/-0.15	-1.23/-2.50	-2.67/-2.62	-3.43/-5.26	-5.95/-5.81	-4.52/-2.43	-0.550.33	1.24/-1.88	2.09/-2.38	2.47/-2.16	2.07/-2.47	3.28/-1.1	2.170.95	-0.35/-1.93	-3.42/-4.45	-4.19/-1.91	-1.57/-1.99
Θ(37.5°)	-2.67/-1.77	-0.48/-0.10	-1.70/-0.12	-1.23/-1.07	-1.51/-1.35	-0.240.59	0.69/-1.30	2.10/-2.02	1.30/-0.14	-1.73/-1.41	-1.67/-2.93	-4.37/-3.17	-2.47/-0.49	1.33/-2.55	3.21/-2.18	2.47/-2.22	2.76/-3.45	3.81/-3.64	2.100.31	-1.46/-1.02	-4.64/-3.77	-2.66/-1.43	-0.80/-1.68	
Θ(45°)	-2.86/-1.93	-0.790.53	1.83/-2.12	2.21/-1.69	0.680.12	-0.790.39	2.22/-2.19	3.68/-3.81	3.32/-2.90	1.44/-1.03	1.02/-0.31	-1.87/-2.95	-2.87/-2.87	-2.22/-0.94	0.49/-1.86	3.62/-3.91	3.01/-2.63	2.80/-3.43	3.55/-3.10	2.25/-2.22	-0.15/-0.16	-2.18/-2.17	-1.04/-0.88	-1.14/-2.10
Θ(52.5°)	-1.42/-1.24	-0.83/-0.16	1.71/-2.77	3.56/-2.69	1.92/-3.14	0.330.83	2.84/-6.68	5.20/-4.35	3.51/-2.70	2.61/-2.23	2.57/-0.90	-1.48/-1.98	-2.39/-1.73	-0.410.30	2.04/-2.57	4.12/-6.64	4.41/-4.34	4.08/-2.49	1.15/-2.04	3.14/-2.81	1.780.41	-0.75/-1.92	-0.99/-0.08	0.67/-0.10
Θ(60°)	1.55/-1.39	-0.26/-0.77	0.74/-2.17	7.42/-7.17	1.65/-2.19	1.59/-2.12	1.52/-3.37	4.86/-4.82	3.29/-5.71	3.11/-6.69	3.10/-1.82	1.34/-1.11	-4.39/-1.99	1.98/-2.74	2.49/-2.64	3.30/-4.05	4.21/-4.17	2.87/-3.33	0.360.25	2.28/-2.91	1.610.20	-0.49/-1.90	-1.40/-5.77	1.74/-2.42
Θ(67.5°)	3.13/-2.44	0.43/-1.65	-1.240.92	3.31/-2.19	1.60/-1.95	0.710.26	2.30/-3.72	4.61/-6.39	3.65/-4.23	3.34/-6.67	3.58/-2.13	0.750.05	-3.09/-1.43	-0.190.66	1.96/-2.16	1.99/-2.69	3.39/-3.57	2.01/-0.79	-0.16/-0.07	2.02/-2.86	1.280.16	-0.37/-0.83	-0.64/-0.48	1.81/-3.27
Θ(75°)	3.02/-2.17	0.38/-2.47	-3.00/-5.05	2.40/-2.02	0.710.80	0.000.90	3.06/-3.84	4.35/-6.03	3.99/-7.13	2.85/-4.22	2.81/-2.00	1.000.21	-2.31/-2.75	-1.26/-0.34	1.64/-1.69	-0.29/-0.25	2.22/-2.54	0.260.31	-0.54/-0.52	1.77/-2.62	0.53/-1.08	-0.82/-0.73	0.03/-1.45	1.18/-2.69
Θ(82.5°)	2.07/-2.87	-1.78/-3.36	-4.56/-2.00	1.57/-2.02	-0.72/-0.36	0.330.40	1.72/-0.95	3.40/-4.06	3.39/-1.08	2.08/-2.12	1.92/-0.06	-0.50/-0.68	-2.78/-1.28	-2.03/-1.72	-0.800.65	-1.71/-1.67	0.69/-1.47	1.13/-1.00	-2.040.64	1.60/-1.78	-1.49/-2.01	-2.29/-1.28	-0.26/-2.17	-0.49/-1.34
Θ(90°)	0.34/-0.76	-2.05/-5.15	-5.67/-3.54	0.07/-1.30	-1.84/-1.24	-1.93/-1.88	-0.38/-1.48	2.16/-2.50	2.390.33	1.610.23	-0.140.67	-0.60/-1.81	-2.14/-2.02	-3.47/-3.37	-2.77/-1.60	-4.99/-6.70	-2.68/-1.17	1.050.18	-1.870.22	1.440.81	-1.88/-4.65	-4.24/-3.10	-3.03/-3.61	-2.84/-0.48
Θ(97.5°)	-2.78/-1.98	-3.34/-1.67	-6.48/-3.88	-1.09/-2.73	-2.77/-2.22	-2.61/-2.37	-1.60/-0.18	1.71/-1.38	0.56/-0.96	0.69/-0.60	-2.30/-1.75	-2.13/-1.82	-3.83/-2.83	-3.81/-6.31	-4.95/-4.31	-5.54/-10.95	-4.72/-0.84	-0.34/-2.02	-4.33/-0.96	-0.13/-1.36	-6.21/-7.14	-6.57/-6.18	-6.66/-0.68	-4.54/-3.27
Θ(105°)	-2.26/-3.48	-3.90/-6.77	-6.48/-3.18	-2.49/-4.54	-4.29/-2.90	-3.34/-5.09	-4.25/-1.13	1.190.59	-0.40/-2.16	-1.35/-1.69	-4.46/-2.30	-4.04/-4.52	-4.60/-3.78	-4.55/-6.46	-7.16/-7.61	-7.12/-10.91	-7.75/-9.55	-8.27/-7.65	-13.35/-8.54	-6.40/-5.66	-13.27/-11.39	-8.17/-6.78	-7.54/-7.27	-6.51/-5.38
Θ(112.5°)	-3.53/-4.81	-5.23/-6.38	-9.64/-5.42	-1.46/-2.29	-5.47/-5.04	-5.06/-8.14	-5.33/-1.90	-0.86/-0.16	-1.12/-3.13	-3.48/-4.85	-4.24/-5.53	-7.00/-4.30	-9.31/-6.94	-7.38/-6.83	-5.87/-8.26	-6.50/-6.44	-8.33/-12.50	-10.31/-14.70	-13.69/-14.73	-14.33/-10.48	-10.13/-10.48	-7.03/-8.88	-5.29/-5.84	-5.88/-4.93
Θ(120°)	-5.29/-6.47	-9.38/-6.62	-8.81/-6.93	-5.90/-6.92	-7.36/-7.08	-6.84/-4.78	-3.41/-3.08	-2.93/-1.51	-2.24/-3.47	-5.58/-6.59	-6.28/-6.81	-7.54/-6.19	-12.83/-7.45	-8.59/-13.51	-8.75/-8.57	-7.38/-10.29	-11.13/-7.14	-6.14/-6.67	-8.71/-9.57	-10.26/-7.23	-14.42/-12.71	-9.82/-9.06	-5.21/-8.30	-5.70/-4.90
Θ(127.5°)	-8.22/-8.99	-12.27/-9.36	-8.92/-7.04	-6.39/-8.66	-6.77/-6.08	-6.23/-5.67	-4.01/-5.35	-3.16/-2.38	-3.83/-5.56	-6.41/-6.82	-7.94/-5.98	-7.15/-7.96	-8.62/-9.43	-6.57/-8.41	-9.93/-11.13	-16.68/-7.78	-4.77/-9.00	-17.72/-9.94	-15.53/-13.18	-10.68/-13.34	-12.02/-10.46	-9.10/-8.40		
Θ(135°)	-8.85/-10.83	-10.89/-11.45	-10.46/-10.43	-11.73/-10.22	-11.87/-9.93	-10.38/-9.73	-7.89/-4.96	-4.05/-4.15	-4.47/-5.63	-6.73/-8.35	-6.91/-9.30	-8.41/-9.45	-8.51/-9.65	-9.48/-9.73	-9.42/-9.17	-10.58/-10.99	-9.48/-12.79	-11.44/-11.50	-12.71/-15.42	-15.19/-15.25	-12.60/-13.02	-9.04/-9.76	-10.26/-11.09	
Θ(142.5°)	-9.50/-12.63	-9.86/-12.19	-14.74/-12.78	-11.68/-11.42	-9.50/-9.50	-8.01/-6.76	-6.19/-5.32	-5.40/-5.48	-4.63/-5.18	-6.68/-7.94	-9.48/-10.07	-8.30/-11.23	-7.49/-9.43	-8.78/-9.83	-8.54/-8.93	-9.21/-14.84	-14.29/-13.47	-7.01/-8.72	-12.98/-9.01	-7.26/-10.69	-15.34/-11.24	-9.41/-9.53	-11.38/-13.66	-7.43/-10.62
Θ(150°)	-14.07/-13.67	-14.78/-13.41	-13.25/-13.41	-12.24/-13.52	-12.18/-10.55	-12.41/-13.86	-11.85/-7.86	-6.02/-5.71	-5.47/-6.13	-6.11/-6.32	-6.97/-9.27	-10.47/-9.74	-8.84/-8.03	-10.17/-11.31	-8.45/-8.67	-15.89/-12.85	-15.69/-15.45	-15.72/-11.64	-10.88/-13.21	-14.54/-14.25	-15.38/-12.17	-15.37/-11.81	-10.87/-12.95	-8.50/-8.91
Θ(157.5°)	-11.28/-11.25	-13.04/-13.51	-11.57/-10.26	-11.27/-13.54	-15.57/-16.04	-13.95/-10.04	-10.01/-12.07	-10.48/-10.44	-11.57/-8.01	-6.08/-6.23	-8.73/-10.24	-10.46/-8.93	-7.50/-9.34	-10.55/-11.57	-14.85/-16.10	-12.57/-10.76	-12.48/-14.00	-12.01/-12.53	-13.06/-15.21	-14.92/-14.25	-15.17/-13.54	-15.20/-14.70	-15.53/-14.19	-13.64/-13.02
Θ(165°)	-9.21/-9.22	-11.31/-11.82	-15.32/-14.91	-14.32/-15.34	-11.95/-11.39	-12.92/-12.66	-12.19/-9																	

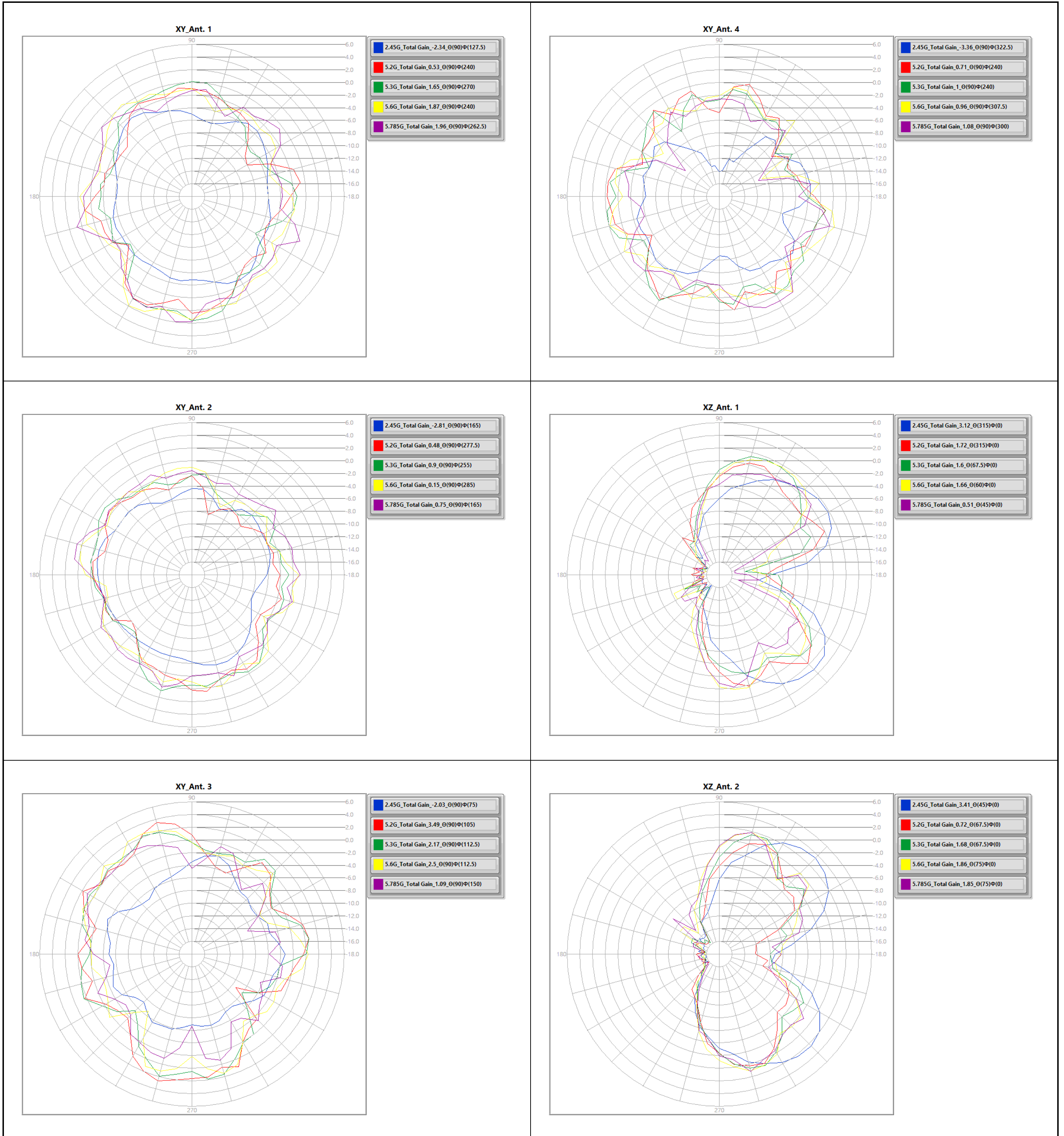


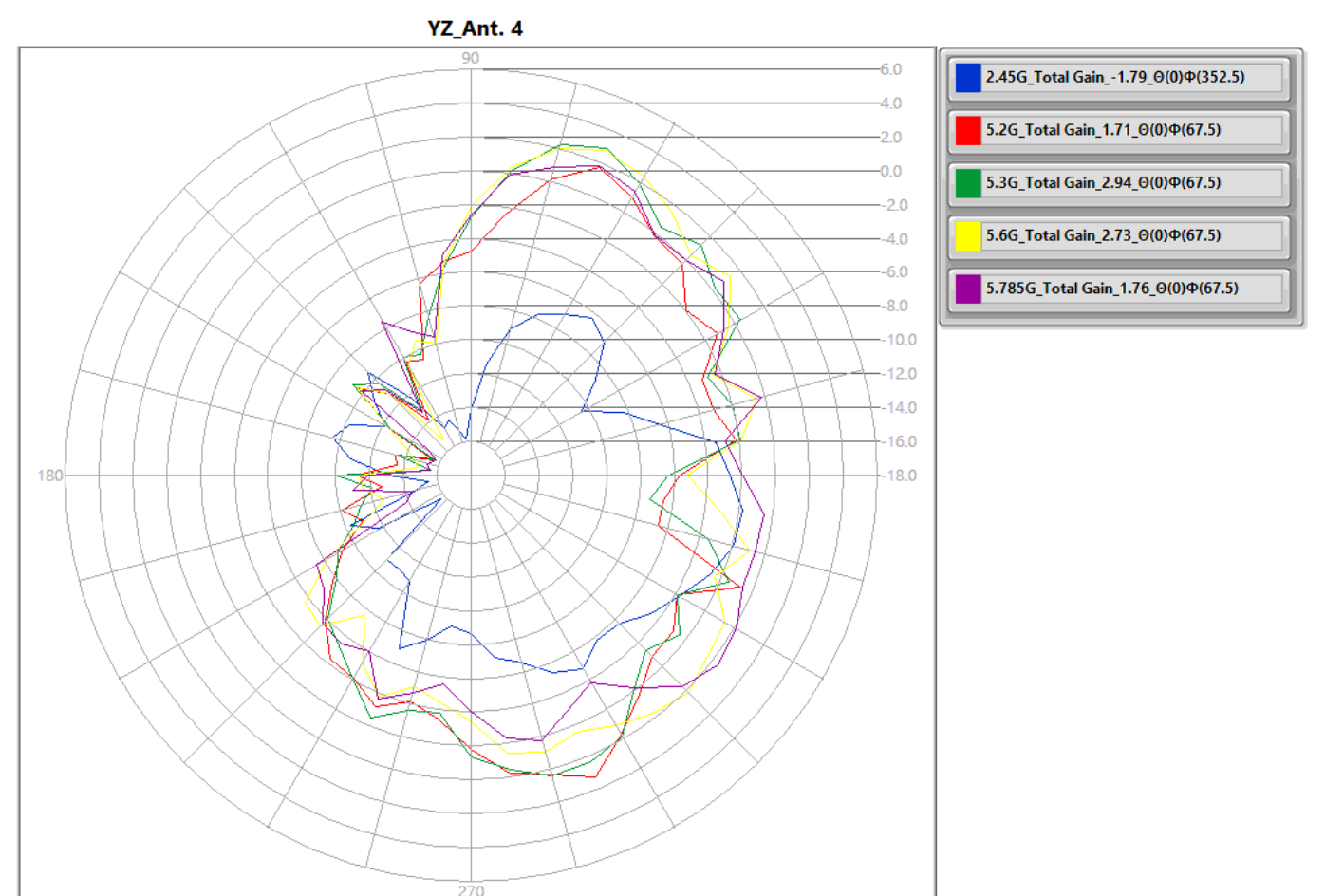
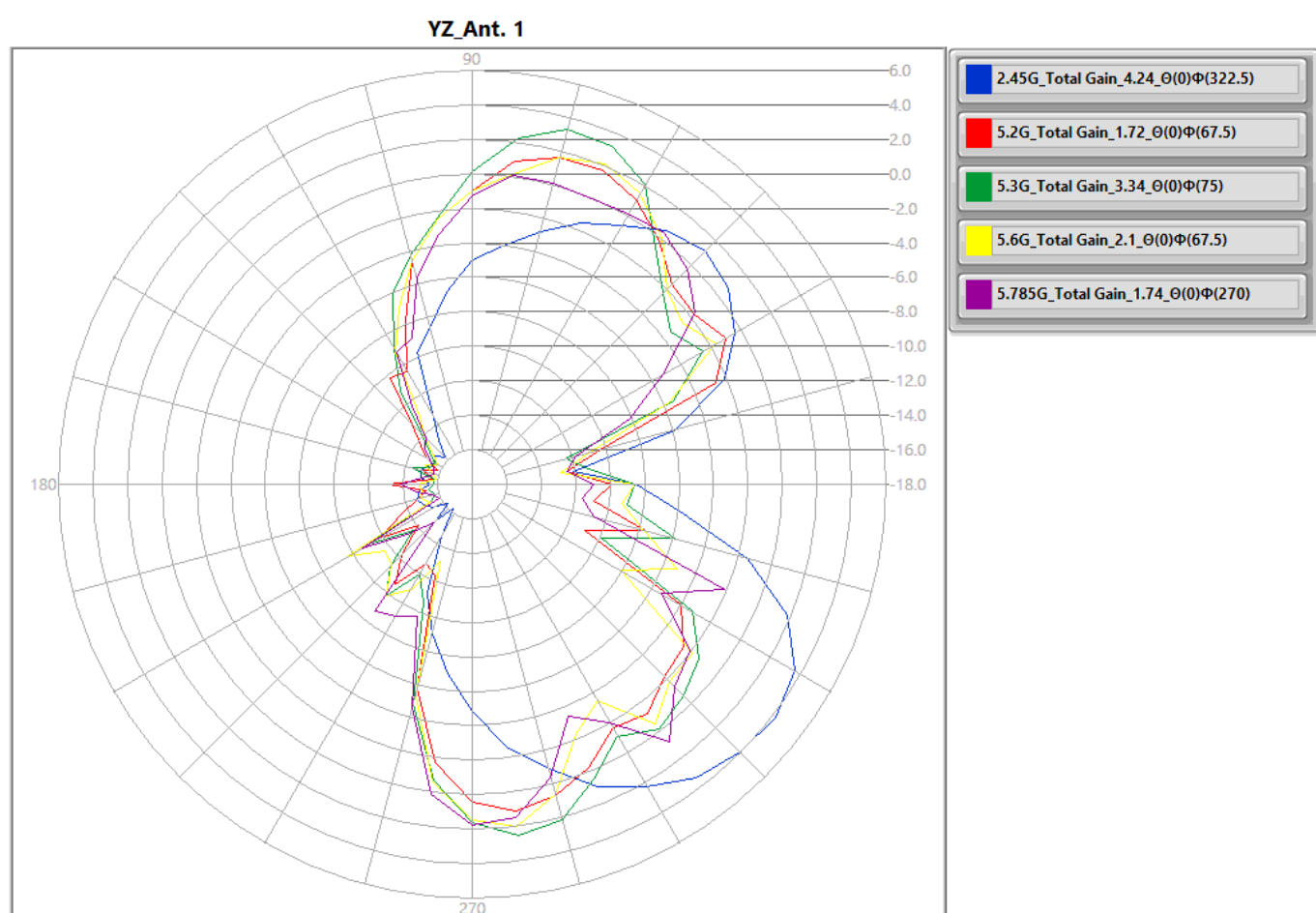
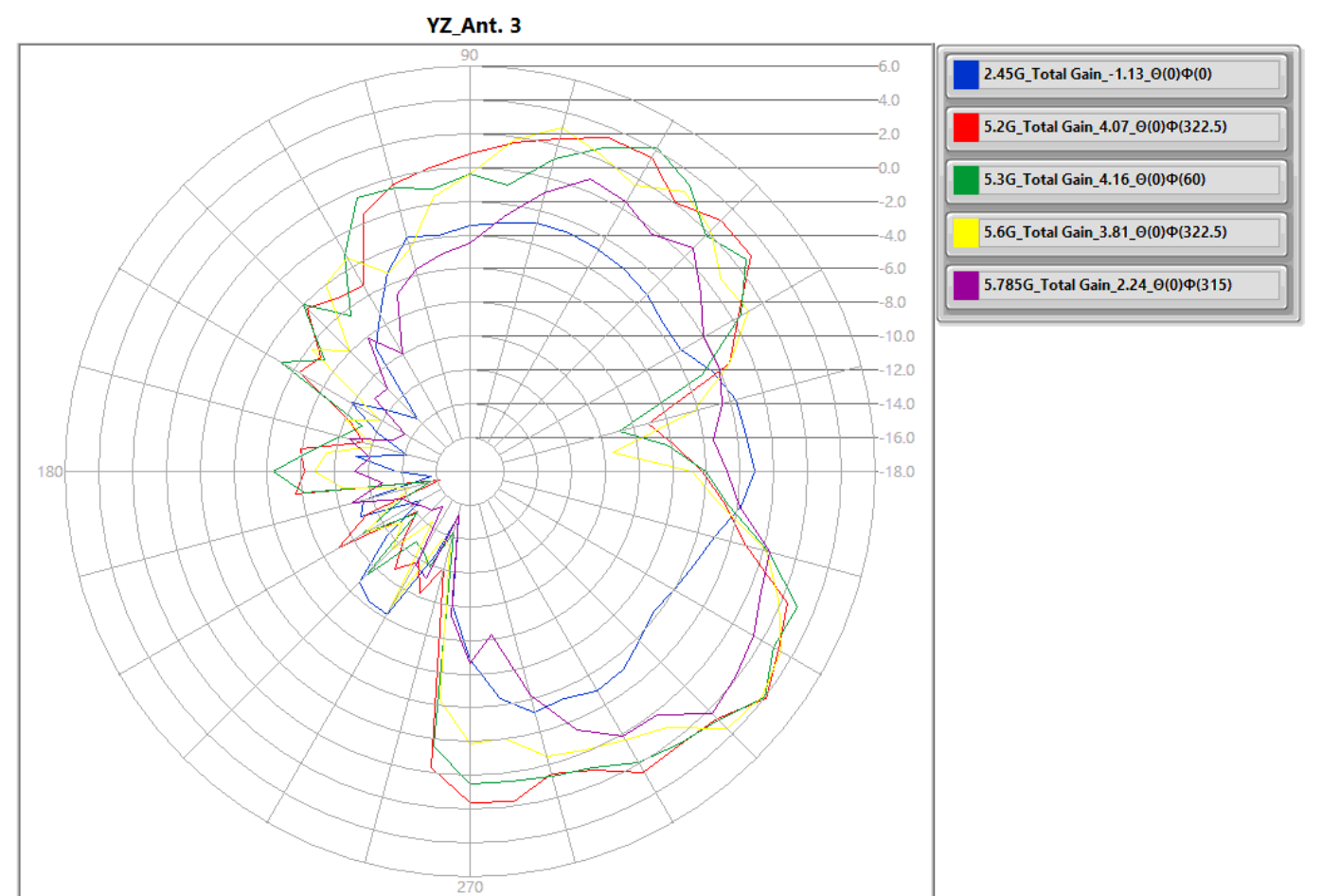
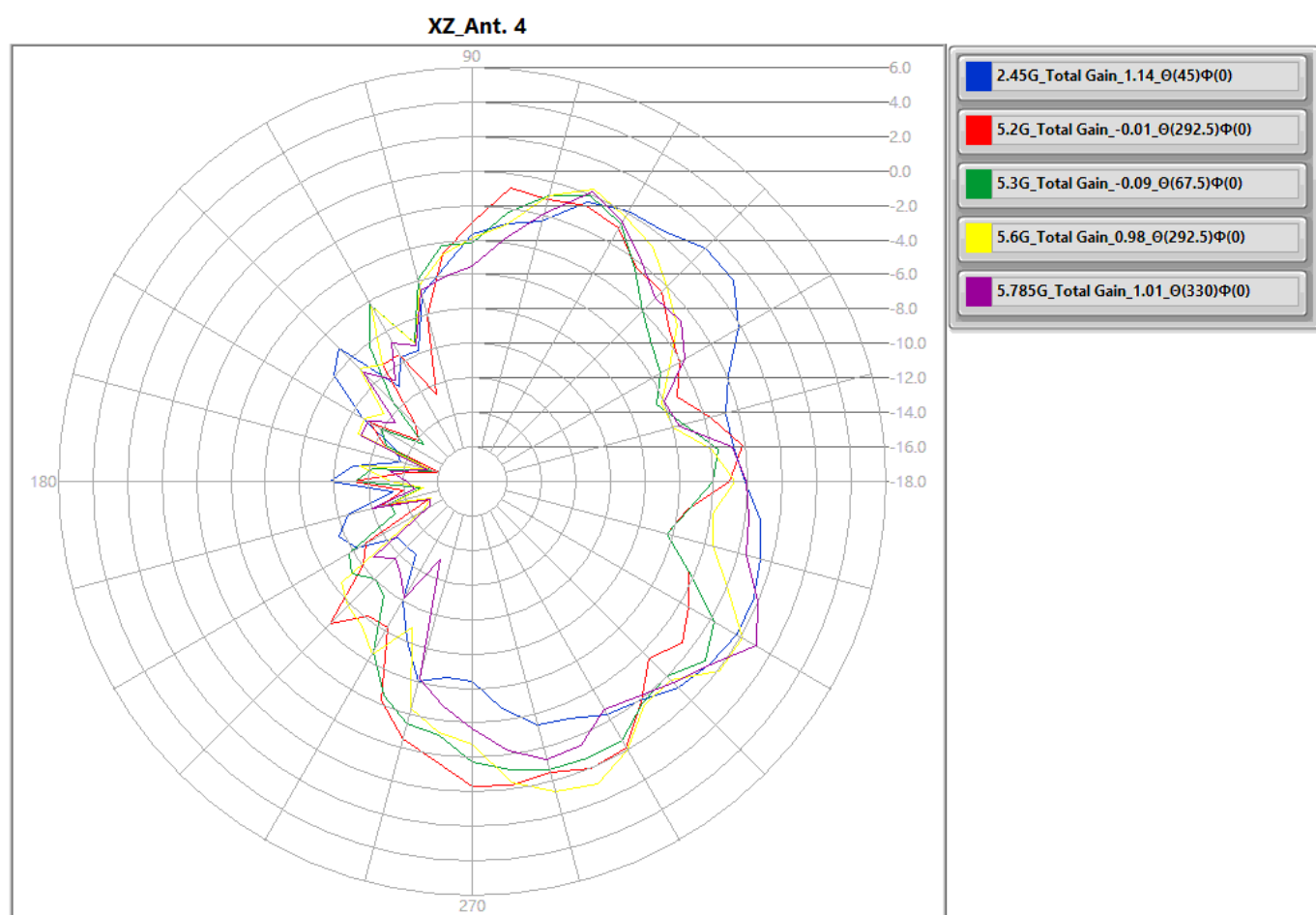
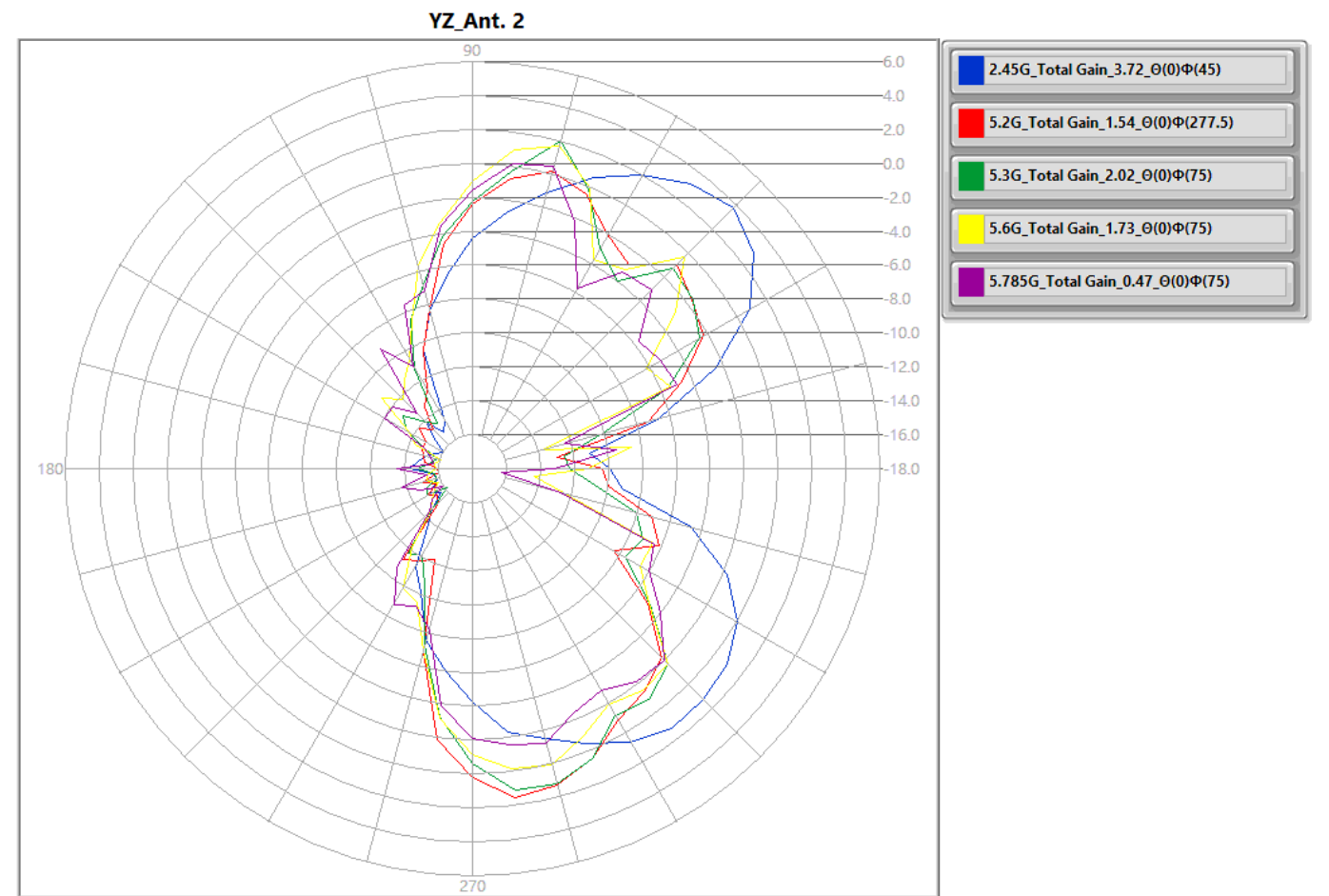
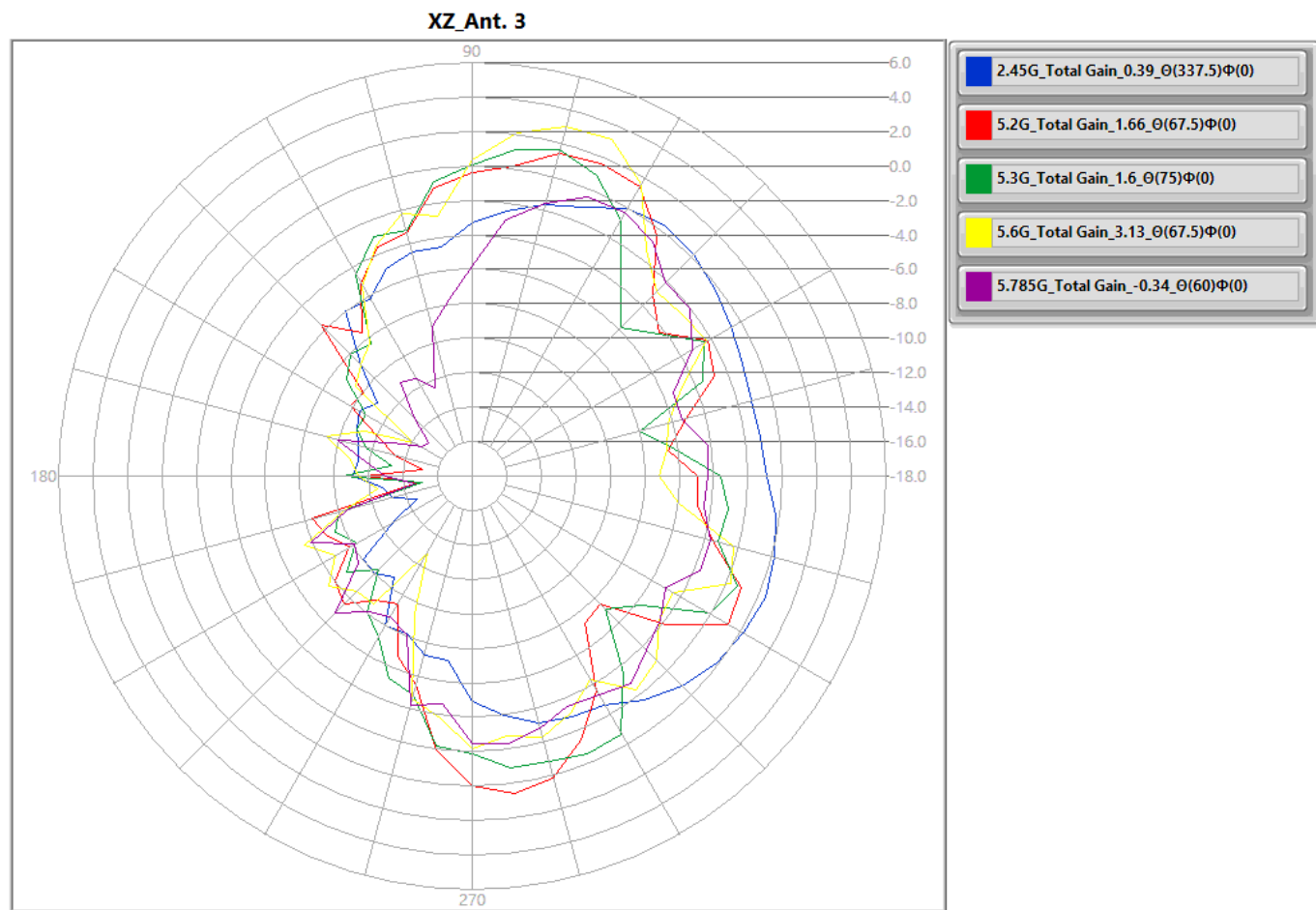
Antenna Pattern of Radio 1 2.4GHz and 5GHz (EUT 1)

Appendix O

Θ(165°)	-16.02/-13.41	-11.02/-10.63	-12.11/-15.29	-15.28/-14.88	-14.64/-14.32	-15.15/-14.62	-13.41/-13.26	-14.31/-14.57	-15.69/-15.04	-14.27/-14.06	-12.44/-12.32	-12.42/-12.46	-12.56/-11.30	-11.35/-11.68	-11.84/-12.02	-13.55/-15.41	-14.98/-15.42	-14.24/-12.28	-10.05/-8.78	-8.87/-10.16	-11.79/-15.32	-15.69/-15.57	-13.62/-11.67	-12.14/-14.60
Θ(172.5°)	-14.11/-14.63	-14.07/-13.89	-14.93/-12.21	-11.12/-10.27	-10.18/-10.85	-11.85/-12.66	-13.60/-15.21	-14.91/-15.35	-14.82/-13.35	-12.13/-11.81	-10.90/-11.30	-13.15/-13.90	-13.92/-15.08	-15.45/-14.62	-15.27/-15.25	-14.95/-15.87	-15.21/-14.89	-14.52/-13.40	-12.67/-12.94	-12.41/-12.06	-10.81/-10.52	-9.66/-9.67	-10.19/-10.46	-11.00/-11.90
Θ(180°)	-11.06/-12.25	-12.90/-12.61	-13.11/-13.14	-13.21/-13.16	-12.56/-12.20	-12.21/-11.19	-11.23/-12.05	-12.86/-13.60	-13.56/-14.10	-15.90/-15.07	-14.51/-14.02	-14.10/-13.45	-12.26/-13.00	-12.71/-12.30	-11.65/-10.69	-9.83/-9.36	-8.64/-8.51	-8.72/-8.78	-9.03/-8.98	-8.89/-8.73	-8.57/-8.24	-8.32/-8.99	-10.05/-11.09	-11.92/-11.71
Freq(Hz)	5.3GPol	Total/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°)	-4.06/-4.22	-4.32/-4.21	-4.54/-4.87	-5.11/-5.67	-6.14/-6.36	-6.22/-5.92	-6.35/-6.58	-7.03/-7.07	-6.69/-6.25	-5.73/-5.20	-5.07/-4.98	-4.87/-4.75	-4.63/-4.34	-3.73/-3.37	-3.28/-3.23	-2.94/-3.08	-3.14/-2.96	-2.83/-2.86	-2.92/-2.92	-3.09/-3.42	-3.60/-3.70	-3.90/-4.20	-4.09/-4.14	-4.18/-4.07
Θ(7.5°)	-3.60/-3.30	-2.82/-2.40	-2.30/-1.84	-1.44/-1.31	-1.20/-1.17	-1.52/-1.55	-1.95/-2.04	-2.67/-2.97	-3.27/-3.20	-3.41/-3.55	-4.09/-4.44	-4.82/-5.26	-5.37/-5.55	-5.68/-6.08	-6.82/-7.35	-7.46/-7.63	-7.38/-7.46	-7.38/-7.26	-7.36/-7.60	-7.73/-7.65	-7.84/-7.52	-6.73/-6.26	-5.55/-5.13	-4.38/-3.83
Θ(15°)	-5.25/-4.78	-4.00/-3.31	-2.57/-2.19	-1.62/-1.26	-0.90/-0.87	-1.12/-1.66	-2.02/-2.06	-1.85/-2.02	-2.41/-2.35	-2.78/-3.32	-4.31/-5.08	-6.32/-6.64	-6.34/-6.06	-5.86/-6.65	-7.54/-7.92	-8.11/-7.59	-6.24/-5.07	-4.09/-3.57	-3.46/-3.98	-4.54/-5.41	-6.50/-8.15	-9.30/-9.68	-8.13/-7.55	-6.40/-5.68
Θ(22.5°)	-6.44/-5.52	-4.96/-4.64	-4.17/-4.06	-3.28/-2.44	-1.82/-1.53	-1.35/-2.06	-2.86/-3.48	-3.67/-3.70	-3.58/-3.59	-3.63/-3.24	-3.11/-3.44	-3.83/-4.38	-4.43/-4.18	-4.19/-4.51	-4.56/-4.02	-3.49/-3.19	-3.23/-3.24	-2.81/-2.14	-1.54/-0.94	-1.08/-2.04	-3.63/-5.94	-8.73/-9.83	-9.60/-8.78	-8.20/-7.35
Θ(30°)	-5.36/-3.63	-3.47/-3.75	-3.81/-3.59	-3.57/-3.05	-2.11/-0.87	0.340/-7.7	0.36/-0.25	-0.47/-0.47	-0.87/-1.79	-2.61/-2.91	-2.50/-1.91	-1.77/-1.88	-1.80/-1.92	-1.80/-0.72	0.440/-8.1	0.54/-0.50	-2.06/-3.00	-3.38/-3.55	-3.89/-3.89	-3.91/-3.57	-3.56/-4.60	-5.38/-5.28	-5.50/-6.82	-8.55/-7.97
Θ(37.5°)	-4.88/-2.40	-1.63/-2.72	-3.49/-2.98	-2.26/-1.55	-0.290/-9.9	1.45/-1.15	0.16/-1.22	-1.83/-1.30	-0.95/-1.64	-2.03/-1.77	-1.82/-2.41	-2.60/-1.58	-0.92/-1.07	-0.75/-1.04	2.182/-0.0	0.79/-0.87	-2.45/-3.32	-3.72/-3.25	-2.48/-2.14	-2.07/-1.92	-1.68/-1.66	-1.62/-1.17	-1.10/-2.81	-5.94/-7.20
Θ(45°)	-4.05/-1.83	-0.67/-1.62	-1.38/-0.45	-0.87/-1.13	0.442/-0.3	2.15/-1.75	1.230/-6.8	-0.62/-1.94	-2.55/-2.13	-1.19/-0.39	-1.22/-2.26	-5.14/-5.37	-1.98/-0.62	-0.630/-0.0	1.100/-9.9	-0.20/-1.48	-2.30/-2.66	-2.86/-3.34	-3.37/-3.55	-3.36/-3.31	-3.41/-2.82	-1.36/-0.04	0.630/-0.3	-1.83/-3.42
Θ(52.5°)	-2.44/-1.67	-0.73/-0.90	-0.260/-0.9	-1.37/-1.07	1.452/-7.4	1.870/-7.5	0.441/-2.6	1.22/-0.18	-1.87/-1.31	-0.80/-0.53	-0.95/-1.03	-4.29/-7.21	-1.760/-1.2	-1.48/-1.12	0.650/-3.2	-1.29/-1.76	-2.11/-1.93	-1.38/-1.38	-2.17/-3.42	-3.53/-3.17	-4.35/-5.69	-2.14/-0.10	0.771/-3.9	0.99/-0.61
Θ(60°)	-0.78/-1.95	-1.67/-0.75	-0.460/-2.8	0.220/-8.5	2.412/-4.8	1.621/-3.5	1.921/-6.9	0.97/-0.04	-1.80/-1.23	-0.75/-1.61	-3.28/-1.25	-1.27/-4.01	-0.68/-1.57	-0.25/-1.30	-0.07/-0.51	-1.60/-0.71	-0.95/-2.34	-2.23/-1.39	-0.150/-0.3	-1.04/-1.64	-2.07/-4.21	-1.490/-4.6	0.371/-9.5	2.390/-6.9
Θ(67.5°)	-0.09/-2.29	-2.84/-1.65	-0.630/-6.9	1.061/-0.3	1.530/-8.6	1.132/-2.8	2.942/-2.5	-0.19/-1.79	-1.07/-0.06	0.30/-0.64	-3.44/-1.86	-0.02/-1.10	-0.60/-1.06	0.68/-0.28	-0.05/-0.46	-0.76/-1.24	0.52/-1.09	-2.19/-1.95	0.350/-9.0	-0.21/-0.33	0.05/-2.02	-0.20/-1.23	-0.33/-1.82	2.210/-3.4
Θ(75°)	-0.87/-3.47	-4.61/-3.83	-1.72/-0.65	-0.22/-0.60	-0.70/-1.15	0.932/-4.1	2.241/-4.3	-0.33/-3.22	-2.320/-4.9	-0.02/-1.31	-4.12/-3.65	-0.430/-4.8	-0.710/-7.0	1.28/-0.10	-1.21/-0.90	0.332/-3.9	1.50/-0.98	-2.65/-1.83	0.411/-0.5	-0.50/-0.82	0.060/-0.5	0.721/-6.9	-0.94/-1.00	1.14/-0.11
Θ(82.5°)	-2.24/-4.83	-4.45/-4.87	-2.83/-3.46	-1.87/-2.30	-2.94/-2.28	0.141/-4.9	0.13/-0.60	-1.23/-3.36	-2.820/-3.2	-0.66/-2.11	-5.30/-4.89	-0.790/-1.5	-1.160/-7.6	0.77/-0.77	-2.63/-1.89	0.402/-1.5	1.48/-0.99	-2.39/-2.23	-0.430/-1.5	-1.13/-0.47	1.380/-4.5	0.311/-2.7	-1.60/-0.38	-1.01/-0.84
Θ(90°)	-4.18/-5.16	-5.85/-6.92	-4.66/-6.85	-3.77/-3.22	-3.97/-2.73	-1.21/-0.99	-2.76/-2.96	-1.35/-3.19	-6.14/-1.04	-1.82/-3.19	-3.89/-6.03	-2.51/-0.65	-1.72/-0.18	-0.03/-0.93	-4.25/-3.99	-1.470/-0.6	1.00/-1.63	-3.67/-3.60	-1.33/-0.87	-3.26/-3.08	-0.19/-0.31	-1.35/-1.24	-3.13/-2.30	-2.09/-1.09
Θ(97.5°)	-4.23/-4.09	-6.11/-10.17	-7.01/-8.72	-5.91/-4.67	-5.74/-3.95	-3.08/-2.88	-5.67/-5.75	-3.03/-5.28	-9.98/-2.86	-3.60/-4.01	-5.44/-6.99	-3.20/-1.65	-3.14/-1.13	-1.12/-2.86	-6.18/-5.52	-3.34/-2.74	-1.01/-4.19	-4.91/-6.31	-3.80/-2.85	-7.19/-6.68	-1.31/-2.52	-3.64/-5.06	-6.87/-5.80	-3.32/-1.20
Θ(105°)	-5.82/-4.01	-7.70/-10.62	-10.27/-7.52	-8.15/-6.96	-8.91/-6.49	-6.40/-6.60	-8.34/-8.12	-6.42/-6.10	-9.63/-4.56	-4.84/-5.92	-5.22/-7.47	-4.36/-3.17	-3.46/-3.20	-1.48/-3.42	-6.41/-7.69	-5.64/-6.64	-4.97/-6.71	-6.71/-7.82	-3.58/-3.12	-9.23/-8.76	-3.00/-4.24	-6.46/-10.24	-9.77/-8.19	-6.71/-3.85
Θ(112.5°)	-9.35/-7.18	-10.51/-9.06	-10.53/-5.42	-6.77/-10.81	-10.20/-12.08	-9.97/-10.14	-10.31/-9.22	-10.40/-8.02	-7.95/-7.91	-8.02/-2.13	-8.07/-7.09	-3.88/-3.96	-4.60/-6.89	-3.64/-5.65	-0.94/-10.25	-6.13/-4.87	-6.45/-5.91	-6.44/-7.98	-2.45/-1.3	-9.09/-8.62	-3.76/-6.11	-6.69/-8.93	-8.90/-9.53	-4.68/-6.16
Θ(120°)	-6.17/-8.56	-8.97/-13.43	-14.67/-10.31	-9.59/-11.18	-11.13/-8.57	-6.00/-8.23	-9.96/-8.11	-7.33/-8.48	-8.21/-9.93	-8.22/-7.65	-9.79/-9.65	-4.83/-4.96	-6.57/-7.35	-4.41/-5.07	-13.36/-15.13	-8.77/-5.04	-6.15/-3.26	-5.26/-8.29	4.06/-4.01	-9.29/-8.83	-4.52/-5.47	-8.08/-10.18	-16.21/-12.91	-7.31/-6.49
Θ(127.5°)	-8.18/-14.17	-11.14/-13.18	-14.26/-14.86	-16.30/-12.08	-12.70/-15.15	-12.01/-12.97	-13.27/-10.22	-9.60/-13.65	-11.92/-11.50	-7.82/-7.55	-12.41/-8.72	-4.36/-7.74	-9.63/-5.23	-5.30/-10.12	-13.00/-14.30	-6.90/-6.96	-8.39/-6.56	-4.30/-10.79	-5.23/-4.72	-10.77/-14.37	-12.07/-10.41	-10.22/-14.86	-8.83/-9.08	
Θ(135°)	-11.49/-14.09	-15.33/-15.23	-12.14/-13.87	-14.75/-15.26	-13.25/-11.81	-10.50/-14.28	-10.36/-10.34	-11.73/-13.01	-11.14/-10.68	-13.14/-12.65	-10.52/-7.41	-8.33/-7.90	-10.00/-10.01	-8.43/-9.55	-13.65/-11.36	-6.76/-12.87	-7.62/-6.70	-12.20/-11.08	-6.00/-3.73	-7.46/-13.20	-10.18/-6.00	-8.87/-14.45	-13.20/-11.05	-14.25/-12.07
Θ(142.5°)	-14.41/-14.32	-11.65/-10.56	-9.88/-10.50	-11.59/-12.75	-8.78/-9.57	-12.12/-10.91	-9.24/-9.61	-10.60/-13.14	-13.63/-10.74	-10.68/-10.76	-8.36/-8.36	-10.46/-9.80	-9.21/-10.73	-12.17/-14.08	-12.63/-15.17	-15.23/-9.97	-8.21/-11.38	-15.23/-13.11	-7.95/-6.34	-7.70/-10.57	-15.10/-13.48	-9.05/-11.48	-13.68/-10.57	-11.50/-13.55
Θ(150°)	-11.88/-11.19	-10.58/-10.52	-11.82/-13.97	-15.24/-14.88	-15.87/-15.35	-15.62/-11.63	-11.82/-13.97	-11.38/-15.78	-14.76/-12.72	-11.14/-11.18	-9.26/-9.25	-9.75/-12.61	-13.24/-14.54	-14.78/-12.79	-12.59/-14.86	-15.24/-13.01	-8.88/-7.44	-8.47/-14.44	-14.96/-14.41	-13.25/-11.82	-11.63/-11.78	-11.63/-11.78	-12.13/-12.51	
Θ(157.5°)	-12.63/-12.95	-13.79/-15.08	-15.27/-13.20	-11.86/-11.65	-11.10/-11.94	-12.84/-15.46	-15.57/-15.14	-12.71/-14.79	-14.98/-12.56	-10.30/-11.06	-14.16/-15.68	-16.18/-14.80	-13.16/-13.82	-15.00/-13.70	-12.68/-11.56	-11.02/-12.41	-15.06/-14.65	-12.33/-10.94	-10.50/-10.54	-10.95/-12.98	-15.31/-14.03	-12.68/-11.18	-10.28/-10.47	-10.94/-10.89
Θ(165°)	-15.63/-14.64	-12.36/-11.82	-12.56/-13.39	-15.03/-15.11	-15.01/-14.21	-13.50/-13.25	-13.43/-13.79	-14.06/-15.11	-14.77/-12.72	-13.61/-12.91	-14.60/-15.31	-14.78/-13.77	-13.06/-12.39	-10.15/-10.47	-10.44/-10.87	-11.39/-12.92	-15.61/-14.48	-12.86/-12.65	-11.33/-9.89	-8.18/-7.89	-9.17/-10.77	-12.41/-13.95	-15.18/-13.84	-13.11/-14.76
Θ(172.5°)	-12.15/-12.23	-12.79/-13.82	-14.29/-13.68	-12.29/-12.81	-13.90/-14.20	-15.58/-15.36	-15.91/-16.13	-14.57/-13.35	-12.33/-11.86	-13.45/-13.18	-13.45/-15.11	-15.11/-15.32	-15.78/-15.13	-14.83/-14.98	-14.56/-15.34	-14.24/-12.02	-11.82/-11.72	-12.10/-11.25	-10.23/-10.53	-13.33/-13.67	-13.39/-12.48	-11.65/-11.94		
Θ(180°)	-11.23/-10.87	-11.53/-11.63	-11.27/-10.48	-10.30/-9.79	-8.99/-8.53	-8.47/-9.02	-9.96/-10.31	-10.47/-10.78	-11.64/-12.90	-13.15/-13.30	-12.40/-11.94	-11.28/-10.97	-10.34/-10.47	-9.66/-8.77	-8.64/-8.37	-8.35/-8.88	-9.32/-9.21	-8.41/-8.01	-7.86/-8.18	-8.78/-9.32	-9.25/-9.51	-9.51/-10.34	-11.61/-12.12	-12.01/-11.63
Freq(Hz)	5.8GPol	Total/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°)	-2.78/-2.83	-2.94/-3.27	-3.52/-3.79	-3.80/-3.74	-3.57/-3.90	-4.98/-5.12	-5.20/-4.59	-4.74/-4.77	-4.68/-4.54	-4.68/-4.82	-4.84/-4.71	-4.65/-4.58	-4.73/-4.45	-4.47/-4.46	-4.01/-3.57	-3.21/-3.17	-3.05/-3.25	-3.06/-2.81	-2.41/-2.18	-2.39/-2.67	-2.90/-2.69	-2.49/-2.54	-2.50/-2.57	-2.82/-3.17
Θ(7.5°)	-4.01/-3.81	-3.31/-2.84	-2.45/-2.23	-2.07/-2.12	-2.12/-1.91	-1.86/-2.00	-1.88/-1.85	-1.79/-1.88	-2.04/-2.28	-2.89/-3.19	-3.35/-3.35	-3.20/-3.71	-3.88/-3.70	-3.73/-3.86	-3.40/-2.95	-3.58/-4.08	-4.02/-3.96	-4.04/-3.60	-3.32/-3.66	-4.61/-4.76	-4.38/-4.46	-4.83/-4.95	-4.79/-4.89	-4.71/-4.55
Θ(15°)	-5.95/-5.37	-4.33/-3.62	-2.53/-1.68	-1.																				

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







Antenna Pattern of Radio 2 5GHz (EUT 1)

Appendix P

Total Gain Data

Freq(Hz)	5.2G/Pol.	TotalAnt. 1	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)				
Θ(0°)	-3.52/3.85	-4.05/3.96	-3.79/3.48	-3.45/3.64	-3.69/3.89	-4.04/4.19	-4.45/4.61	-4.72/4.51	-4.41/4.22	-4.73/4.50	-4.78/4.97	-4.98/4.83	-4.73/5.09	-5.43/5.31	-4.74/4.27	-4.17/4.20	-4.43/4.84	-5.14/4.80	-4.24/4.15	-3.95/3.83	-3.77/3.51	-3.77/3.51	-3.33/3.24	-3.28/3.49				
Θ(7.5°)	-5.43/5.15	-5.45/6.27	-6.18/5.37	-4.72/4.27	-4.37/4.68	-5.04/4.96	-4.67/4.51	-4.10/3.69	-3.38/3.29	-3.27/3.38	-3.39/3.17	-3.27/3.35	-3.53/3.82	-4.18/4.57	-4.50/4.42	-4.47/4.54	-4.88/5.29	-5.43/5.03	-4.95/4.98	-5.25/5.47	-5.48/5.65	-5.96/5.66	-5.10/4.94	-5.34/5.51				
Θ(15°)	-4.34/3.90	-4.30/5.16	-5.81/5.24	-4.63/4.03	-3.84/3.88	-3.63/3.19	-2.54/2.28	-2.12/2.19	-2.51/3.01	-3.69/4.33	-4.78/4.67	-4.37/4.19	-4.43/5.09	-5.97/6.28	-5.58/5.02	-4.52/4.20	-4.35/4.87	-5.32/5.45	-5.07/4.95	-4.97/4.93	-4.97/4.92	-4.87/4.74	-4.16/4.02	-3.47/4.75				
Θ(22.5°)	-2.34/2.67	-2.84/3.00	-2.93/2.56	-2.20/1.88	-1.76/1.85	-1.60/1.21	-1.03/1.09	-1.18/1.169	-2.48/3.48	-4.69/5.79	-5.87/5.37	-4.97/4.77	-4.76/4.86	-4.94/4.45	-3.98/3.59	-3.42/3.64	-4.19/4.88	-5.37/5.33	-5.00/5.02	-4.96/4.60	-2.96/2.90	-2.16/1.51	-0.86/0.75	-1.33/1.87				
Θ(30°)	-1.36/2.49	-2.69/1.65	-0.81/0.68	-0.61/0.26	0.140/47	1.22/1.71	1.56/1.20	0.53/0.14	-1.10/2.24	-3.12/3.70	-4.33/4.60	-4.01/3.85	-4.17/3.83	-3.33/3.02	-2.71/2.74	-3.22/4.01	-4.50/4.27	-3.44/2.72	-2.36/2.32	-2.45/2.65	-2.34/1.76	-1.04/0.10	0.88/1.18	0.63/0.34				
Θ(37.5°)	0.68/0.23	-1.05/0.83	0.25/0.89	0.93/0.66	0.33/0.70	1.37/1.98	1.91/1.13	0.68/0.66	0.21/0.59	-1.23/1.35	-1.56/1.64	-1.16/0.75	-0.29/0.12	-0.46/1.96	-3.11/4.00	-4.32/3.81	-2.43/1.07	-0.21/0.12	0.19/0.15	-0.96/1.59	-1.36/0.91	-0.40/0.32	1.07/1.67	1.53/0.94				
Θ(45°)	1.57/2.15	2.13/1.39	0.84/1.16	1.52/1.12	0.30/0.05	0.76/1.99	2.05/0.81	0.11/0.04	-0.26/0.35	0.90/1.45	1.97/2.55	2.65/2.06	2.06/2.09	0.88/0.92	-2.10/2.17	-1.80/1.55	-0.27/1.01	1.44/0.89	0.52/0.26	-0.36/0.69	-0.51/0.35	0.06/0.37	1.00/1.64	1.70/1.41				
Θ(52.5°)	1.80/2.55	2.83/2.70	2.06/1.52	1.54/1.39	0.38/0.96	-0.01/1.61	1.28/0.65	-1.39/0.78	-1.18/1.09	-0.46/0.57	1.79/2.54	2.29/1.43	1.04/0.18	-0.61/0.40	-0.56/0.90	-1.17/0.68	0.53/1.28	1.03/0.20	-0.08/0.61	-0.99/0.72	-0.56/0.54	0.15/0.32	0.95/1.56	1.75/1.44				
Θ(60°)	1.20/1.89	2.36/2.41	1.54/0.42	0.75/1.09	0.09/1.64	-0.82/1.01	0.76/1.34	-1.23/0.34	-1.01/3.13	-3.35/2.24	-0.13/0.90	0.80/0.29	-0.09/0.89	-0.21/0.79	-0.28/0.48	-1.09/1.31	-0.05/0.90	-0.45/0.08	0.30/0.24	-0.76/0.15	0.36/0.33	0.04/0.42	-0.00/0.81	1.04/0.67				
Θ(67.5°)	0.01/0.91	0.50/1.24	0.22/1.13	-0.28/0.17	-0.99/2.44	-1.34/0.31	-0.38/1.59	-0.25/0.41	-1.46/4.40	-4.11/2.88	-1.09/0.28	1.03/1.47	1.51/1.15	1.40/1.57	0.98/0.35	-0.51/1.04	0.59/1.64	0.93/0.21	0.61/0.35	-0.97/0.31	0.43/0.54	-0.65/1.55	-1.20/0.42	-0.39/0.30				
Θ(75°)	-0.53/0.35	0.54/0.13	-0.98/3.08	-2.31/1.43	-2.18/3.79	-3.10/1.47	-2.18/2.61	-0.42/0.12	-2.35/4.24	-3.39/2.60	-1.67/0.19	1.38/1.64	1.75/1.47	1.42/0.86	-0.17/0.03	0.03/0.18	0.89/1.44	0.47/0.06	0.90/0.28	-0.66/0.92	-0.50/1.90	-2.27/3.11	-2.79/1.68	-1.36/1.20				
Θ(82.5°)	-1.52/0.59	-0.71/1.48	-2.71/4.80	-4.23/3.22	-3.57/4.79	-4.59/3.71	-4.08/4.34	-2.21/1.54	-4.34/5.51	-4.45/4.01	-3.58/1.54	0.29/1.05	0.55/0.86	0.05/1.92	-1.71/0.59	0.32/0.55	1.19/0.66	-0.70/0.60	0.42/0.14	-1.10/1.80	-1.63/2.92	-4.25/2.47	-4.26/3.27	-2.98/2.83				
Θ(90°)	-3.01/2.12	-1.99/3.21	-5.12/7.81	-6.25/5.00	-5.37/6.95	-6.74/5.76	-6.38/6.55	-3.70/3.98	-6.73/7.97	-6.51/6.33	-5.81/4.76	-1.99/0.61	-1.62/1.31	-2.16/4.15	-3.94/2.80	-1.19/0.60	0.42/0.78	-1.90/1.86	-0.49/1.25	-2.21/3.26	-6.00/6.34	-5.86/4.80	-4.17/4.73					
Θ(97.5°)	-4.13/4.85	-4.34/4.39	-5.70/9.22	-4.74/6.19	-7.17/9.63	-8.29/7.75	-9.32/8.65	-6.30/6.30	-8.92/9.67	-8.31/8.38	-7.62/7.22	-4.50/2.70	-4.12/4.07	-4.60/7.82	-7.99/5.58	-2.99/2.81	-1.78/3.47	-4.97/5.39	-3.26/3.40	-3.49/4.60	-6.33/7.02	-8.37/8.06	-7.52/6.94	-5.11/5.69				
Θ(105°)	-6.11/5.98	-5.70/6.19	-7.71/9.34	-9.14/9.22	-10.00/10.03	-9.30/10.08	-12.90/12.25	-9.05/9.21	-11.43/10.02	-10.50/10.08	-8.87/9.20	-7.54/9.64	-5.88/7.65	-6.70/10.15	-11.43/8.33	-5.91/6.71	-6.43/9.35	-9.20/8.68	-6.85/6.53	-7.60/8.42	-9.44/8.61	-7.65/7.73	-6.95/6.87	-6.92/7.69				
Θ(112.5°)	-8.11/7.55	-6.35/6.91	-10.22/11.46	-10.23/11.11	-11.66/10.06	-10.25/12.27	-15.99/12.09	-10.96/10.74	-14.32/10.96	-11.19/10.29	-10.84/9.95	-10.39/7.14	-8.49/8.98	-8.33/10.89	-12.86/10.60	-9.48/11.56	-13.96/14.01	-12.13/11.59	-10.21/9.05	-9.32/9.04	-11.28/9.33	-8.53/8.53	-8.52/8.72	-8.71/9.88				
Θ(120°)	-10.65/8.96	-8.74/9.97	-13.12/13.69	-14.23/14.42	-13.12/12.26	-12.33/13.51	-14.33/14.60	-14.30/15.11	-15.98/13.67	-13.30/15.23	-15.48/12.11	-11.88/10.87	-11.39/9.76	-10.75/12.29	-11.70/10.38	-11.18/10.15	-11.90/14.49	-12.45/10.04	-9.96/7.27	-10.18/10.78	-11.00/11.48	-10.98/11.96	-11.48/10.23	-11.52/12.11				
Θ(127.5°)	-11.01/10.93	-12.11/13.68	-14.91/16.18	-14.51/13.29	-14.88/15.03	-14.12/12.84	-13.40/15.58	-14.54/15.07	-15.71/14.36	-14.15/14.37	-15.18/14.14	-12.24/12.79	-13.86/9.84	-12.22/15.45	-10.91/13.75	-13.83/9.74	-10.47/14.77	-13.46/9.65	-11.44/7.55	-9.87/12.38	-14.72/14.10	-13.75/13.15	-15.43/13.00	-12.39/12.27				
Θ(135°)	-12.84/11.59	-11.90/12.55	-12.91/14.31	-15.96/16.03	-16.17/15.51	-15.54/14.27	-14.44/14.43	-15.50/15.31	-14.83/15.62	-14.54/12.93	-14.88/15.70	-15.02/14.04	-13.28/12.74	-13.79/14.54	-14.92/16.34	-14.91/15.03	-15.42/14.71	-15.47/13.67	-15.53/12.86	-14.25/15.42	-15.31/13.97	-12.59/10.45	-15.59/15.56	-14.95/14.43				
Θ(142.5°)	-14.62/13.23	-13.54/12.75	-11.80/14.57	-15.45/16.07	-15.96/15.05	-15.59/15.70	-14.52/14.77	-13.86/15.43	-14.89/15.66	-15.91/14.58	-13.05/10.84	-11.04/12.98	-15.75/15.45	-15.64/15.17	-13.61/12.04	-14.01/15.93	-15.06/13.11	-12.60/12.86	-13.68/12.80	-15.21/15.40	-14.16/13.77	-14.69/14.86	-16.08/15.70					
Θ(150°)	-15.34/14.93	-14.97/15.35	-15.46/15.59	-15.15/15.18	-14.63/14.40	-16.33/15.52	-14.98/15.34	-15.08/15.96	-15.13/15.41	-14.68/15.87	-14.66/13.50	-12.63/12.90	-14.89/14.93	-15.89/15.85	-15.62/14.75	-13.01/13.10	-13.99/15.14	-15.95/14.28	-11.65/11.42	-13.68/15.07	-15.80/15.55	-15.12/15.33	-16.26/15.29	-14.92/15.06				
Θ(157.5°)	-16.13/15.71	-16.17/14.71	-15.37/15.46	-14.91/15.42	-14.85/15.76	-15.02/15.64	-15.21/14.73	-15.62/15.29	-13.02/15.15	-15.87/14.62	-11.90/15.93	-16.04/15.58	-15.57/15.12	-15.62/15.68	-15.67/14.71	-14.94/14.84	-15.75/15.52	-15.82/15.09	-15.67/15.52	-14.17/16.08	-15.14/15.42	-15.44/15.52	-14.75/15.55	-15.72/15.41				
Θ(165°)	-15.05/15.58	-16.08/14.72	-15.45/16.07	-15.34/15.25	-15.16/15.97	-15.34/15.25	-15.63/15.63	-15.86/16.15	-14.22/14.25	-13.72/15.33	-15.96/15.29	-16.31/15.04	-15.36/15.06	-16.15/15.13	-13.61/15.13	-14.92/14.76	-15.64/15.58	-15.23/15.64	-14.95/15.33	-15.18/15.35	-15.16/15.21	-15.53/15.57	-15.11/15.10					
Θ(172.5°)	-14.55/14.57	-15.21/15.81	-15.36/14.72	-15.29/16.29	-14.98/14.26	-14.27/15.80	-14.87/14.58	-15.24/15.65	-14.64/14.20	-14.95/14.87	-15.18/15.25	-15.30/15.47	-15.02/16.04	-15.91/15.62	-16.38/15.69	-14.49/14.94	-14.85/15.22	-15.55/14.71	-15.64/15.92	-15.26/16.01	-14.74/15.28	-15.58/15.28	-15.09/15.11	-15.53/14.99				
Θ(180°)	-15.87/15.08	-15.53/15.26	-15.08/15.21	-14.35/14.12	-13.94/15.27	-15.09/15.71	-15.61/15.56	-14.44/15.61	-14.58/14.12	-12.96/13.27	-13.57/14.84	-15.73/15.33	-15.01/15.23	-15.73/15.12	-15.07/14.94	-15.44/14.80	-14.69/14.67	-14.75/14.85	-14.88/14.88	-15.05/15.10	-14.97/15.78	-15.14/16.07	-15.55/15.76	-15.02/15.38				
Freq(Hz)	5.3G/Pol.	TotalAnt. 1	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)				
Θ(0°)	-4.86/4.98	-4.99/4.43	-5.18/5.83	-5.70/5.55	-5.72/5.78	-5.88/5.99	-6.08/5.74	-5.54/5.65	-5.89/6.04	-6.19/6.09	-5.93/6.07	-6.30/6.47	-6.55/6.46	-6.46/6.43	-6.70/6.81	-6.81/6.31	-6.09/5.90	-5.74/5.28	-5.00/4.95	-4.88/4.65	-4.57/4.55	-4.56/5.03	-5.13/5.51	-4.80/4.61				
Θ(7.5°)	-6.37/7.19	-6.85/6.09	-6.35/7.35	-7.85/7.49	-6.83/5.99	-5.59/5.24	-4.98/4.82	-4.60/4.52	-4.53/4.67	-4.49/4.20	-4.04/4.07	-4.40/4.86	-4.96/5.01	-5.05/5.19	-5.87/6.35	-6.42/6.32	-6.05/6.38	-5.59/6.38	-6.08/6.47	-5.88/5.64	-5.59/5.40	-5.44/5.14	-7.17/7.12	-6.33/6.08				
Θ(15°)	-4.73/5.07	-5.37/5.01	-4.73/4.91	-5.26/5.50	-5.58/4.79	-4.12/3.63	-2.99/2.82	-2.59/2.83	-3.40/3.84	-4.19/4.18	-4.02/3.82	-4.01/4.75	-5.03/4.62	-4.26/3.48	-5.01/5.44	-5.45/5.42	-4.97/4.62	-4.31/4.45	-4.78/4.97	-5.45/5.73	-5.79/5.60	-5.48/5.81	-6.05/6.22	-5.37/4.73				
Θ(22.5°)	-2.62/2.95	-3.45/3.43	-3.23/3.03	-2.99/3.00	-3.16/3.01	-2.45/2.20	-2.27/2.73	-3.40/4.53	-5.65/6.12	-5.89/5.51	-4.86/4.45	-4.52/4.56	-4.23/3.56	-3.30/3.39	-3.47/3.52	-3.61/3.60	-4.10/4.62	-5.01/5.44	-5.67/5.72	-5.20/4.18	-3.36/2.70	-2.41/2.48	-2.49/2.50					
Θ(30°)	-0.79/1.71	-2.63/2.64	-1.54/0.60	-0.32/0.48	-0.75/0.69	-0.48/1.23	2.10/4.78	-0.08/1.42	-3.10/4.89	-5.87/5.08	-4.76/4.35	-3.63/3.08	-3.80/3.96	-3.01/2.13	-3.01/3.51	-3.88/4.08	-3.44/3.45	-2.71/2.53	-2.92/3.50	-3.54/3.04	-2.21/2.92	0.14/0.36	0.16/0.27					
Θ																												



Antenna Pattern of Radio 2 5GHz (EUT 1)

Appendix P

Θ(22.5°)	-2.90/-1.68	-0.71/-0.14	-0.05/-0.35	-0.78/-1.10	-1.38/-1.61	-2.15/-2.71	-3.32/-3.69	-3.84/-3.67	-3.48/-3.13	-2.62/-2.05	-1.91/-1.98	-2.48/-3.22	-3.79/-4.31	-4.63/-4.60	-4.15/-4.41	-4.71/-5.41	-6.51/-7.52	-9.03/-10.23	-10.41/-10.42	-9.75/-8.77	-7.97/-7.12	-6.75/-6.62	-6.73/-6.34	-5.48/-4.51
Θ(30°)	-0.81/-0.31	0.89/0.92	0.26/-0.98	-2.31/-2.64	-1.93/-1.32	-1.13/-1.20	-1.58/-2.01	-2.61/-3.29	-4.00/-3.77	-2.78/-1.69	-0.99/-1.01	-1.27/-1.28	-1.34/-1.86	-2.59/-2.69	-1.73/-1.27	-1.54/-2.47	-3.65/-4.44	-4.32/-3.56	-2.75/-2.59	-3.31/-3.49	-6.18/-7.13	-7.72/-6.48	-5.79/-5.60	-4.68/-2.62
Θ(142.5°)	0.27/0.71	0.04/-0.20	-1.61/-4.06	-5.97/-3.62	-2.31/-1.35	-0.93/-1.00	-0.82/-0.71	-0.73/-1.45	-2.76/-3.79	-3.58/-2.39	-0.97/-0.23	-0.07/-0.27	-0.87/-1.97	-2.68/-1.79	-0.07/-0.38	-0.38/-2.06	-3.59/-3.69	-2.29/-0.84	-0.60/-1.50	-7.73/-4.22	-4.75/-4.25	-3.97/-4.00	-3.00/-1.38	
Θ(45°)	0.56/0.15	-0.55/-1.17	-1.95/-3.04	-2.85/-1.29	-0.38/-0.24	-0.45/-0.67	-0.29/0.44	2.35/1.55	0.36/-1.00	-2.55/-3.17	-2.53/-1.01	0.24/0.22	-0.54/-0.75	-1.04/-0.87	0.44/0.56	-0.83/-2.65	-3.75/-3.20	-1.77/-0.85	-0.73/-1.16	-1.84/-2.27	-2.75/-2.95	-2.56/-1.96	-1.91/-1.93	-1.59/-0.35
Θ(52.5°)	-0.04/-0.48	-0.68/-0.64	-1.04/-0.96	-0.39/-0.08	0.24/0.02	-0.80/-1.75	-1.78/-0.39	1.05/-1.32	0.16/-1.77	-3.51/-3.81	-4.56/-3.20	-0.37/-0.46	0.18/-0.17	-0.49/-0.29	-2.17/-3.41	-1.76/-1.34	-1.47/-1.93	-2.50/-2.48	-2.63/-2.79	-1.70/-0.83	-0.85/-0.87	-0.90/-0.56		
Θ(60°)	-1.29/-1.69	-1.29/-0.46	-0.39/-0.44	-0.04/-0.32	0.63/0.22	-1.29/-2.98	-3.28/-2.16	-0.80/-0.32	-1.30/-2.62	-4.58/-4.45	-3.35/-2.95	-0.60/-0.79	0.33/0.51	0.08/-0.96	-0.37/-0.98	-2.39/-2.94	-2.97/-2.29	-1.66/-1.08	-0.87/-1.22	-1.96/-2.19	-2.35/-0.93	-0.51/-0.57	-0.93/-0.90	
Θ(67.5°)	-2.71/-2.44	-1.96/-0.75	-0.23/-0.73	-0.76/-0.18	0.07/-0.64	-1.58/-2.50	-2.93/-2.43	-2.07/-1.05	-0.69/-2.25	-4.44/-4.64	-1.82/-0.88	0.15/0.52	-0.52/0.11	-0.46/-1.15	-1.07/-2.06	-3.18/-2.92	-3.18/-2.65	-1.45/-0.29	0.08/-0.41	-1.39/-1.83	-2.88/-4.10	-3.26/-1.76	-1.06/-1.09	-1.75/-2.33
Θ(75°)	-4.51/-4.22	-3.47/-2.06	-1.56/-2.31	-2.29/-1.29	-1.16/-1.91	-2.32/-2.88	-2.76/-2.45	-2.54/-1.82	-0.77/-1.53	-2.72/-3.60	-1.87/-0.73	-0.17/-0.42	-1.84/-0.95	-1.37/-2.74	-2.41/-2.45	-2.94/-2.28	-2.75/-2.70	-1.38/-0.00	0.24/-0.31	-1.03/-1.44	-2.25/-4.61	-4.92/-3.37	-1.97/-1.49	-2.26/-4.05
Θ(82.5°)	-7.58/-6.89	-5.56/-3.46	-3.03/-4.47	-3.96/-3.00	-3.34/-3.87	-3.72/-4.53	-4.03/-3.83	-4.17/-3.65	-2.55/-3.48	-4.32/-3.48	-3.32/-1.98	-1.65/-2.71	-3.55/-2.25	-3.44/-5.30	-4.08/-3.39	-3.08/-1.84	-2.71/-3.45	-1.86/-0.45	0.00/-0.24	-1.36/-1.46	-2.47/-4.30	-5.87/-4.79	-3.24/-2.55	-3.37/-6.36
Θ(90°)	-10.40/-9.73	-8.39/-5.77	-4.58/-6.17	-5.36/-4.94	-6.24/-7.28	-6.88/-7.33	-6.40/-6.27	-5.85/-5.27	-4.89/-6.09	-6.43/-5.77	-4.93/-4.24	-4.19/-5.71	-5.82/-4.32	-5.15/-6.55	-5.72/-4.58	-4.46/-2.78	-3.51/-5.60	-3.50/-1.56	-1.59/-1.47	-2.17/-2.41	-3.43/-4.98	-7.52/-6.38	-4.53/-3.75	-4.51/-8.72
Θ(97.5°)	-12.52/-10.72	-9.28/-9.71	-8.96/-9.04	-6.59/-6.28	-7.35/-8.56	-9.56/-10.13	-8.52/-8.57	-8.49/-8.50	-8.44/-8.26	-8.95/-7.82	-7.58/-6.85	-6.11/-8.54	-7.59/-5.60	-6.60/-9.91	-10.42/-7.52	-6.82/-9.41	-6.61/-8.96	-5.23/-4.45	-5.25/-3.47	-5.39/-4.82	-6.48/-7.38	-8.40/-7.50	-5.62/-5.58	-6.99/-10.75
Θ(105°)	-14.13/-13.91	-13.04/-13.28	-11.89/-13.01	-9.13/-8.65	-9.04/-10.87	-12.87/-12.48	-11.03/-10.86	-11.57/-11.12	-11.72/-9.28	-9.84/-10.13	-9.91/-10.20	-9.18/-11.43	-9.91/-10.20	-8.66/-11.95	-10.71/-8.60	-8.67/-7.59	-9.18/-13.80	-8.76/-7.69	-11.03/-8.62	-7.57/-6.47	-7.18/-8.95	-12.47/-10.01	-6.97/-6.42	-8.58/-12.03
Θ(112.5°)	-13.51/-15.27	-13.92/-14.00	-13.79/-13.83	-11.36/-10.20	-11.93/-11.75	-12.98/-13.79	-13.46/-12.51	-12.98/-14.64	-13.74/-10.45	-11.09/-13.28	-12.85/-13.14	-10.96/-13.81	-10.72/-9.65	-10.38/-11.26	-10.98/-10.17	-9.65/-9.93	-12.84/-15.14	-9.05/-8.83	-12.06/-9.48	-7.94/-6.99	-7.61/-8.56	-12.19/-12.43	-8.78/-7.62	-9.73/-10.82
Θ(120°)	-16.12/-13.41	-14.70/-14.90	-14.82/-15.72	-15.26/-14.13	-14.67/-12.37	-12.56/-13.92	-15.37/-14.28	-14.60/-14.97	-13.65/-11.10	-12.64/-14.61	-10.63/-10.74	-11.35/-9.06	-11.60/-14.75	-10.61/-9.75	-11.63/-12.72	-10.88/-8.41	-10.71/-10.07	-11.07/-10.47	-10.84/-13.17	-10.75/-9.32	-9.37/-13.11			
Θ(127.5°)	-15.15/-13.60	-13.81/-13.97	-15.25/-14.65	-15.48/-15.51	-15.71/-12.48	-13.08/-13.83	-14.74/-15.12	-15.00/-12.79	-11.90/-14.31	-15.49/-16.01	-13.27/-11.48	-15.54/-12.30	-12.04/-10.84	-13.96/-14.58	-14.45/-11.36	-11.08/-14.84	-15.16/-13.16	-11.48/-12.59	-14.10/-13.97	-11.54/-11.26	-11.13/-12.54	-14.54/-15.06	-12.87/-9.70	-9.41/-13.04
Θ(135°)	-14.10/-13.14	-13.10/-14.90	-15.42/-15.10	-11.69/-13.35	-15.43/-15.13	-15.68/-13.39	-13.37/-15.41	-15.17/-15.81	-14.69/-14.57	-15.91/-13.35	-9.45/-11.62	-15.50/-15.05	-14.70/-15.45	-13.57/-15.09	-15.31/-15.50	-13.45/-15.41	-15.51/-15.23	-12.48/-14.32	-15.64/-13.93	-13.41/-12.91	-13.90/-13.80	-15.97/-14.59	-14.09/-11.22	-9.26/-10.67
Θ(142.5°)	-15.15/-15.12	-15.29/-14.31	-14.06/-15.96	-15.54/-15.40	-14.63/-15.23	-14.79/-15.97	-14.70/-14.54	-15.00/-16.00	-14.53/-15.13	-15.62/-16.02	-15.56/-15.54	-15.84/-12.41	-12.07/-15.11	-14.91/-15.09	-15.33/-14.21	-15.51/-12.72	-14.43/-13.37	-11.72/-12.92	-13.42/-14.90	-12.63/-11.75	-12.70/-13.48	-16.26/-15.77	-15.88/-14.50	-13.63/-13.80
Θ(150°)	-12.11/-16.12	-15.53/-14.84	-13.92/-14.50	-14.40/-15.56	-15.00/-15.52	-15.84/-15.52	-14.81/-14.79	-16.08/-15.91	-15.35/-14.32	-15.74/-16.12	-15.44/-14.73	-13.81/-14.80	-14.43/-15.72	-15.34/-14.78	-15.33/-15.83	-15.66/-15.29	-15.54/-14.05	-15.88/-15.19	-15.61/-15.12	-13.74/-13.24	-14.40/-14.48	-15.68/-15.26	-15.56/-15.08	-13.36/-13.77
Θ(157.5°)	-12.70/-15.25	-16.02/-14.82	-16.02/-14.89	-15.56/-16.00	-15.79/-15.42	-15.84/-15.24	-14.92/-14.96	-15.46/-15.70	-15.68/-15.57	-15.41/-14.16	-13.76/-14.55	-15.50/-15.19	-13.27/-12.82	-13.95/-15.27	-15.52/-15.31	-15.72/-15.18	-15.32/-15.95	-15.86/-14.67	-15.76/-15.10	-15.55/-14.58	-15.48/-16.09	-15.28/-15.06	-15.77/-14.75	-15.31/-12.30
Θ(165°)	-15.66/-14.95	-15.86/-15.96	-14.85/-15.61	-15.20/-15.65	-16.11/-14.96	-15.20/-15.20	-15.48/-15.35	-14.87/-15.59	-14.88/-15.15	-15.73/-15.10	-15.01/-15.24	-14.56/-14.33	-14.64/-14.91	-14.81/-15.73	-14.75/-15.97	-15.93/-15.66	-15.50/-15.50	-14.50/-14.99	-14.55/-14.84	-16.03/-15.80	-15.34/-15.35	-15.08/-15.27	-15.52/-14.93	-15.19/-15.29
Θ(172.5°)	-16.11/-15.72	-15.00/-14.76	-14.56/-15.05	-16.02/-15.88	-15.48/-15.61	-15.96/-16.14	-15.63/-15.91	-15.18/-15.51	-15.10/-15.55	-15.39/-15.70	-14.45/-16.01	-15.77/-15.75	-15.11/-14.89	-14.76/-15.69	-14.89/-15.42	-14.92/-14.72	-14.83/-15.78	-15.31/-16.01	-15.47/-14.94	-15.92/-15.59	-15.39/-15.98	-15.60/-15.21	-15.56/-15.76	-14.78/-15.46
Θ(180°)	-14.84/-14.73	-15.58/-15.08	-14.92/-16.22	-16.14/-15.62	-14.38/-13.57	-13.81/-13.82	-14.17/-15.34	-14.47/-14.90	-15.10/-15.61	-15.68/-15.28	-15.24/-15.46	-15.56/-15.48	-15.34/-14.23	-15.58/-15.26	-15.76/-14.87	-14.71/-16.06	-15.46/-15.53	-15.36/-14.67	-14.71/-16.06	-15.54/-16.09	-15.31/-15.17	-14.60/-14.79	-15.36/-15.25	-15.65/-15.37
Freq(Hz)	5.3GPol	TotalAnt.2	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-
Gain	Φ(0°)Φ(7.5°)	Φ(15°)Φ(22.5°)	Φ(30°)Φ(37.5°)	Φ(45°)Φ(52.5°)	Φ(60°)Φ(67.5°)	Φ(75°)Φ(82.5°)	Φ(90°)Φ(97.5°)	Φ(105°)Φ(112.5°)	Φ(120°)Φ(127.5°)	Φ(135°)Φ(142.5°)	Φ(150°)Φ(157.5°)	Φ(165°)Φ(172.5°)	Φ(180°)Φ(187.5°)	Φ(195°)Φ(202.5°)	Φ(210°)Φ(217.5°)	Φ(225°)Φ(232.5°)	Φ(240°)Φ(247.5°)	Φ(255°)Φ(262.5°)	Φ(270°)Φ(277.5°)	Φ(285°)Φ(292.5°)	Φ(300°)Φ(307.5°)	Φ(315°)Φ(322.5°)	Φ(330°)Φ(337.5°)	Φ(345°)Φ(352.5°)
Θ(0°)	-12.68/-13.57	-14.76/-14.89	-15.13/-15.63	-15.75/-15.37	-15.69/-14.93	-14.81/-15.82	-16.05/-15.28	-15.31/-14.46	-14.89/-14.28	-15.22/-15.03	-14.99/-15.10	-14.28/-13.64	-13.50/-13.41	-13.27/-12.56	-12.31/-12.08	-11.58/-10.93	-10.72/-10.54	-10.66/-10.99	-11.20/-11.44	-11.33/-11.60	-12.10/-12.99	-13.88/-14.22	-13.35/-12.49	-12.07/-11.94
Θ(7.5°)	-9.08/-8.81	-8.76/-8.10	-9.54/-9.13	-8.76/-8.45	-8.19/-8.75	-7.60/-7.44	-7.85/-8.18	-8.20/-8.45	-9.05/-9.82	-10.71/-11.31	-12.20/-13.14	-13.76/-13.93	-14.21/-14.83	-15.40/-13.34	-15.48/-15.87	-15.11/-14.98	-15.61/-15.55	-14.65/-16.00	-14.77/-13.11	-11.91/-9.12	-11.82/-12.66	-14.65/-14.36	-13.55/-10.89	-9.68/-9.91
Θ(15°)	-6.41/-5.47	-4.66/-4.19	-3.99/-3.36	-3.36/-3.27	-3.35/-3.62	-3.68/-3.50	-3.63/-3.64	-3.74/-3.76	-3.95/-4.44	-3.32/-3.51	-4.31/-3.58	-3.76/-4.31	-7.61/-7.51	-7.33/-7.80	-7.67/-9.61	-10.86/-12.86	-15.22/-15.60	-15.25/-14.67	-14.36/-12.25	-10.73/-9.94	-10.20/-10.48	-11.24/-11.92	-10.40/-9.44	-8.47/-7.35
Θ(22.5°)	-4.73/-2.88	-1.50/-0.89	-0.78/-0.98	-1.37/-1.64	-1.71/-1.81	-1.78/-1.85	-2.05/-2.33	-2.44/-2.75	-2.78/-2.43	-1.76/-1.19	-1.32/-2.06	-3.23/-4.11	-4.32/-4.37	-4.46/-4.75	-5.22/-5.85	-6.88/-8.23	-9.67/-10.70	-11.77/-12.47	-12.19/-11.12	-10.11/-9.85	-9.59/-9.38	-8.94/-8.17	-7.89/-7.71	-7.47/-6.63
Θ(30°)	-1.95/-0.42	0.55/0.62	-0.18/-1.32	-2.49/-3.13	-2.47/-1.76	-1.48/-1.61	-1.71/-1.93	-2.43/-3.00	-3.43/-3.14	-1.97/-0.72	-0.16/-0.41	-1.00/-1.39	-1.43/-1.40	-1.62/-1.86	-2.11/-2.55	-3.45/-5.04	-6.38/-6.29	-5.10/-3.62	-2.59/-2.23	-2.42/-3.05	-3.92/-4.77	-5.15/-4.76	-4.66/-5.13	-5.09/-4.10
Θ(37.5°)	-0.59/0.58	0.97/0.70	-0.41/-2.46	-4.77/-4.45	-2.85/-2.15	-1.64/-1.16	-0.71/-1.47	-1.25/-2.54	-0.29/-4.22	0.20/-0.15	0.78/0.47	-0.15/-0.83	-1.26/-1.53	-1.46/-0.89	-0.36/-0.89	-2.36/-3.97	-4.36/-3.06	-1.54/-0.39	-0.00/-0.24	-0.65/-0.99	-1.61/-2.52	-2.93/-2.62	-2.65/-3.42	-3.99/-2.73
Θ(45°)	-0.24/0.22	0.33/-0.29	-0.13/-1.76	-2.78/-1.60	-1.15/-1.16	-0.66/0.39	-1.15/-1.47	-1.47/0.89	-0.64/-2.35	-2.43/-0.56	0.56/0.41	-0.10/-0.97	-1.43/-1.03	-0.40/-0.30	-0.50/-0.53	-2.60/-3.93	-3.46/-2.36	-1.38/-0.98	-1.05/-1.32	-1.47/-1.42	-1.36/-1.68	-1.68/-1.22	-0.96/-1.34	-1.96/-1.45
Θ(52.5°)	-0.11/0.02	0.15/0.75	0.92/0.19	-0.12/0.22	-0.04/-0.15	0.03/0.24	0.56/-1.15	1.49/0.87	-1.09/-3.12	-3.51/-2.24	-1.71/-1.58	-0.87/-0.89	-0.58/-0.06	0.27/0.71	0.30/-1.64	-4.21/-4.53	-3.53/-2.68	-2.04/-1.68	-1.72/-2.14	-2.29/-1.89	-1.60/-1.55	-1.38/-1.01	-0.67/-0.76	-1.32/0.75
Θ(60°)	-1.30/-1.41	-0.36/-0.09	2.72/0.84	0.27/0.35	0.01/-0.09	-0.14/-0.35	-0.53/-0.08	0.14/-0.94	-3.34/-5.89	-6.29/-0.41	-2.02/-1.69	-0.74/-0.55	-0.27/0.58	0.65/0.36	-0.06/-1.12	-3.15/-3.67	-2.79/-2.09	-1.46/-1.08	-1.32/-1.76	-2.08/-1.68	-1.27/-1.40	-1.51/-1.33	-0.15/0.33	-0.63/-1.14
Θ(67.5°)	-2.83/-2.33	-1.03/0.42	1.42/0.43	-0.35/-0.33	-0.66/-0.51	0.12/0.21	-0.37/-0.18	-0.62/-1.69	-2.47/-4.70	-5.63/-3.37	-0.37/-0.25	-0.67/-0.68	-0.47/0.36	0.18/-0.10	-4.9/-1.69	-3.19/-2.92	-1.98/-1.41							



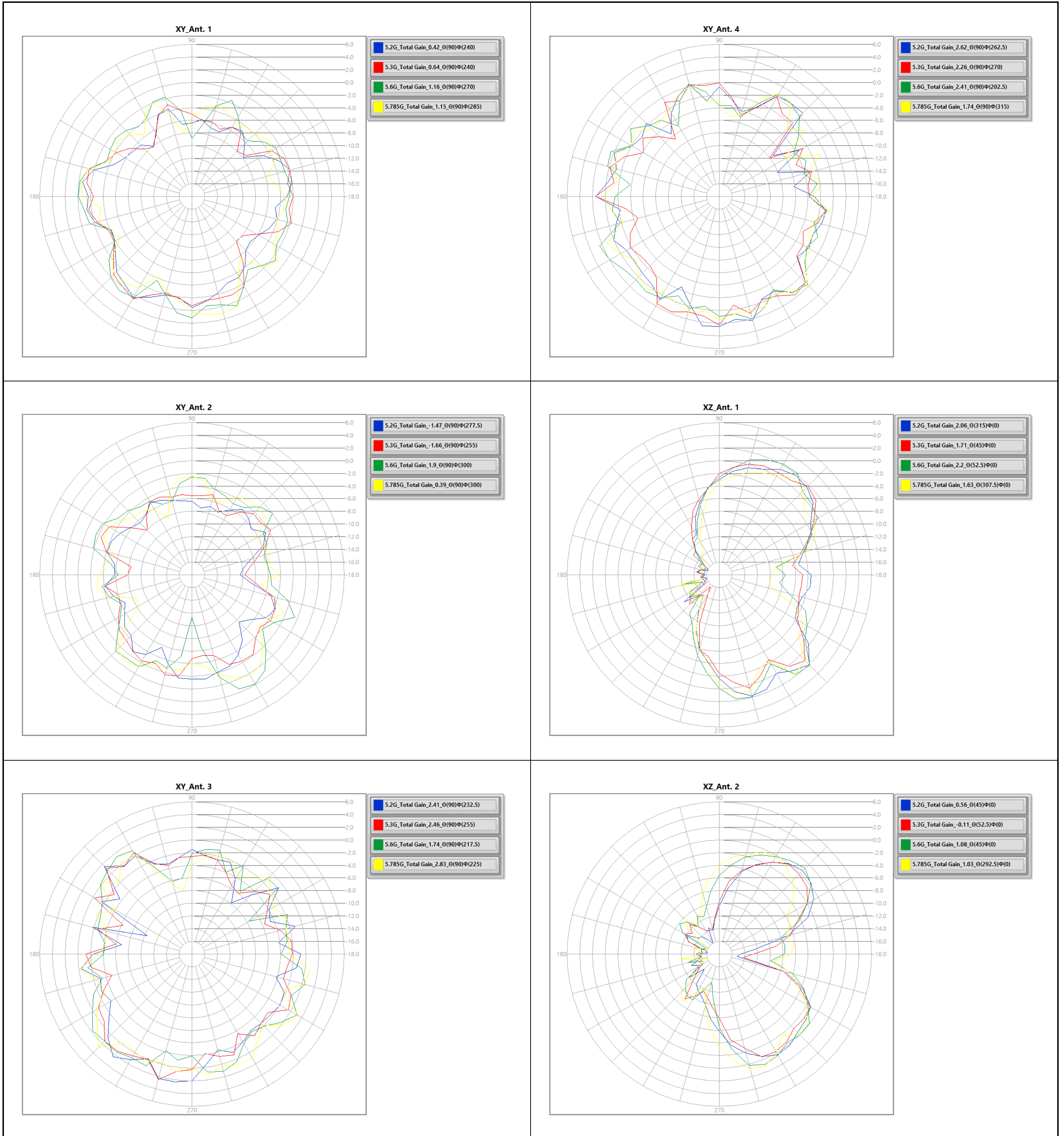
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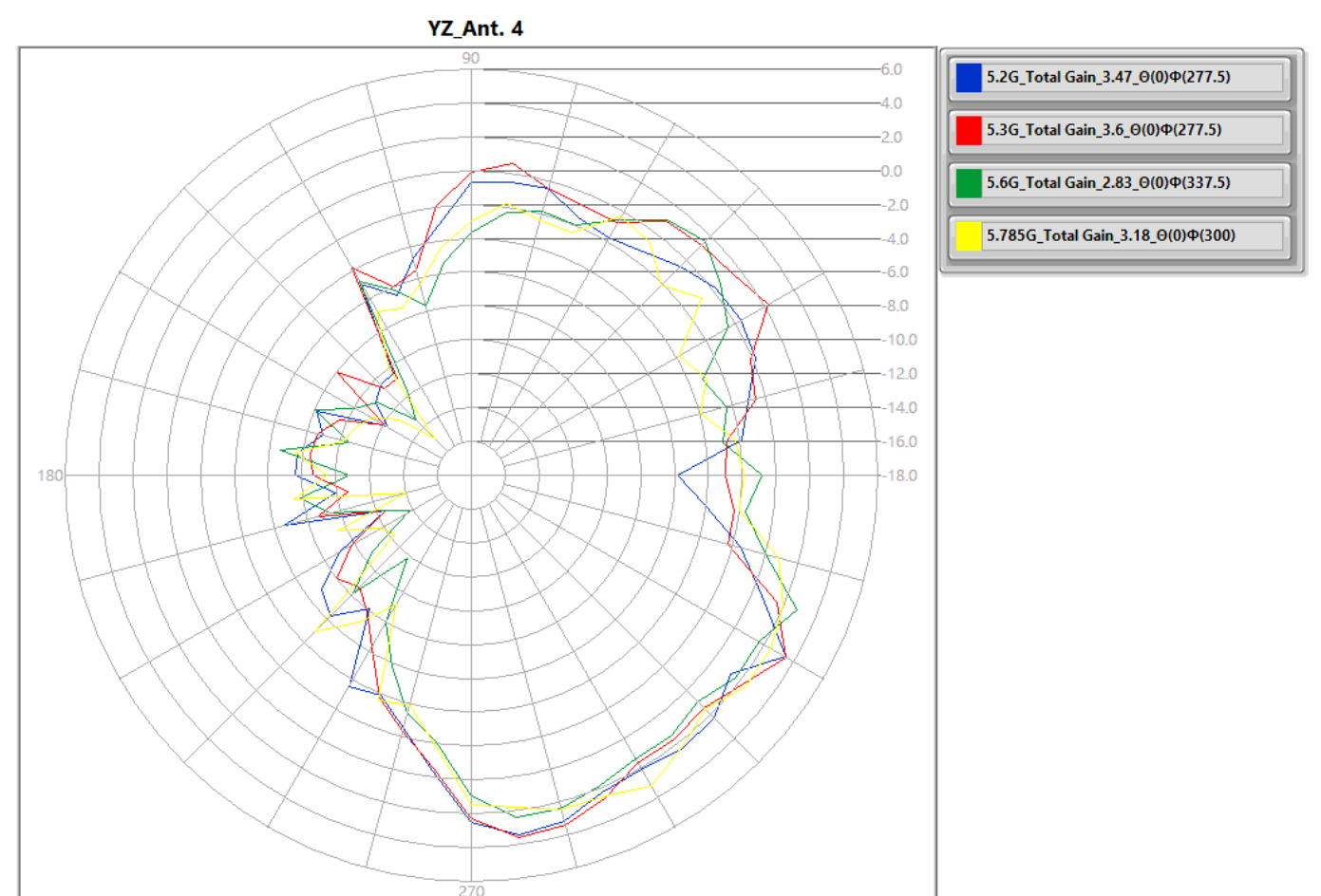
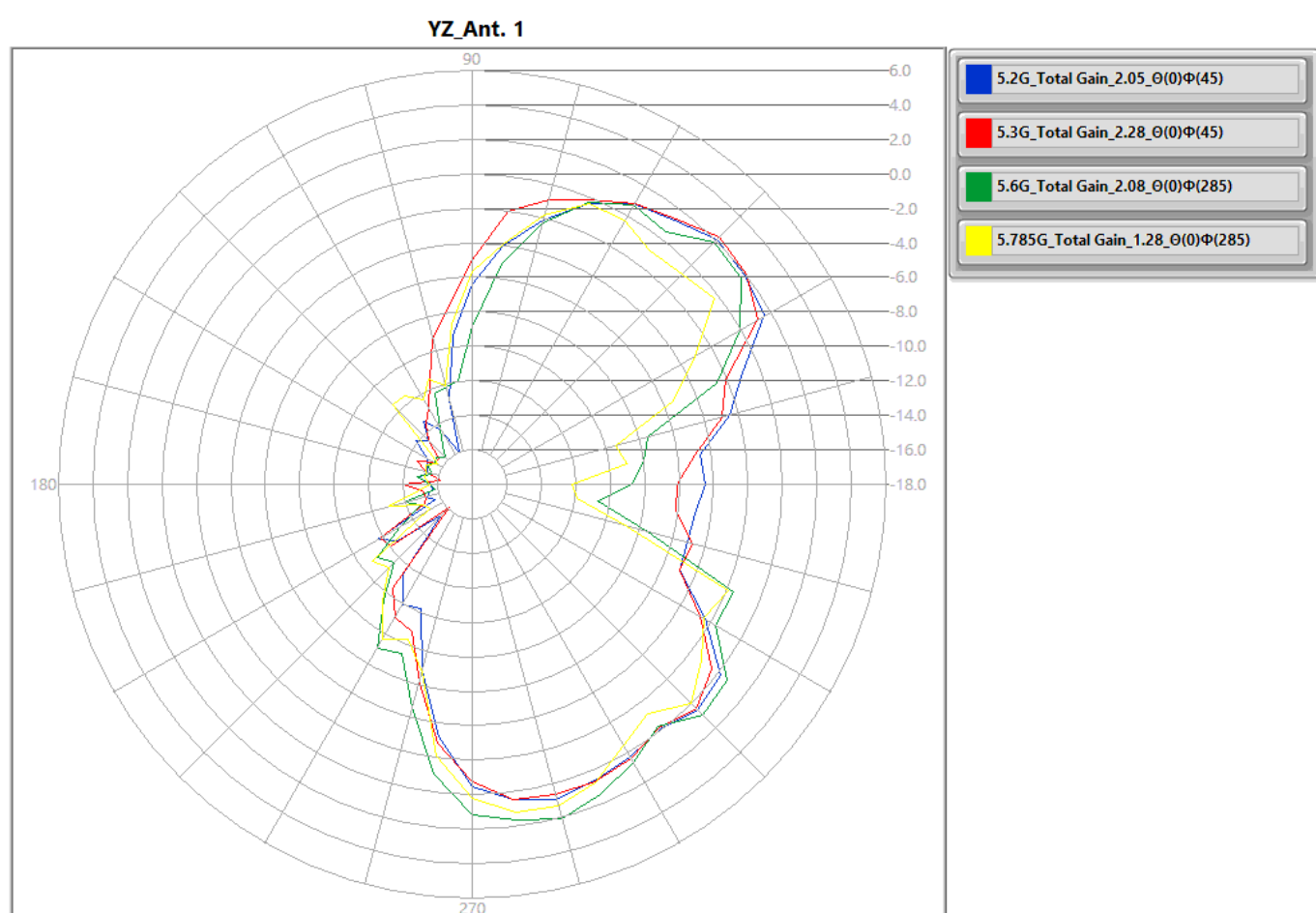
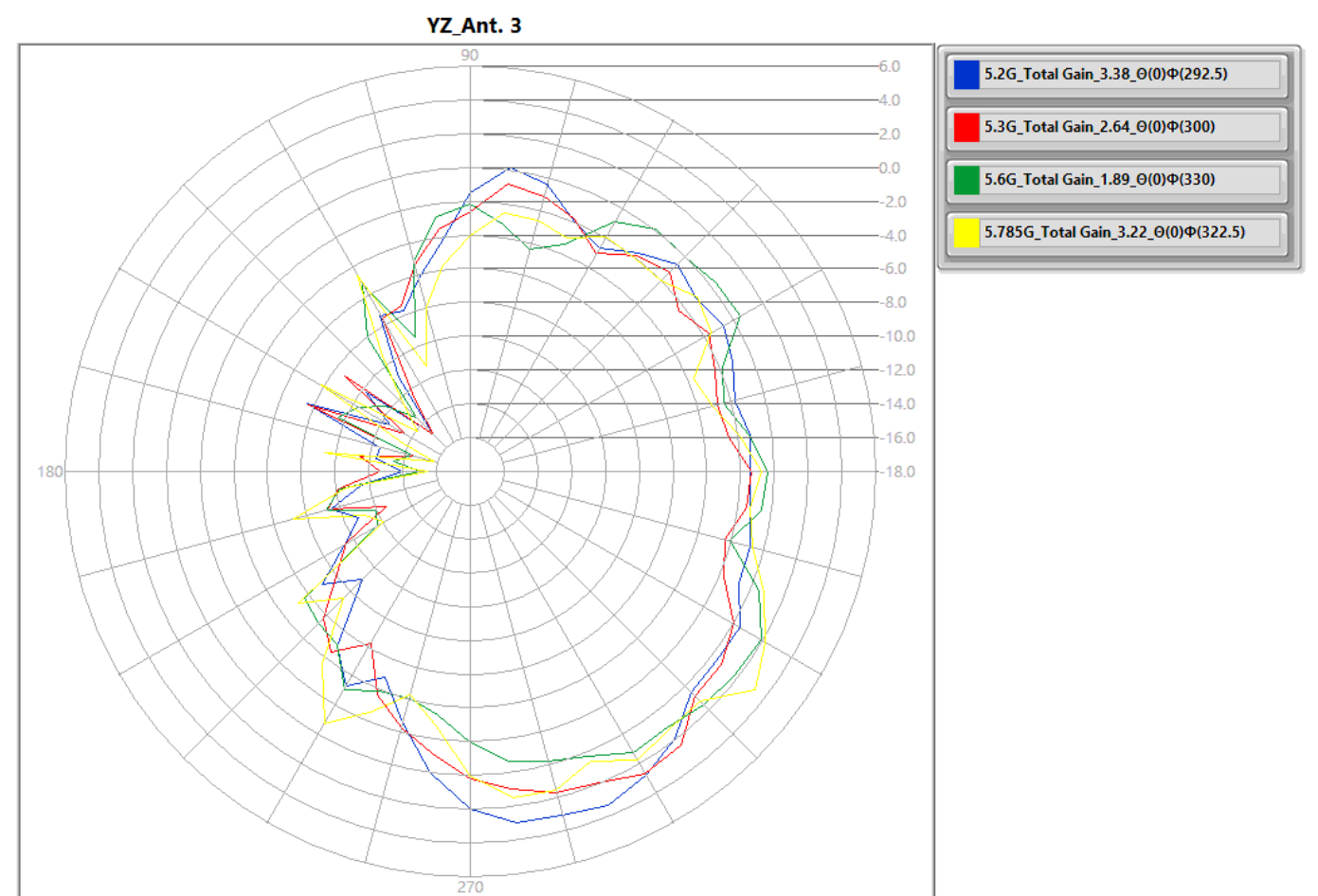
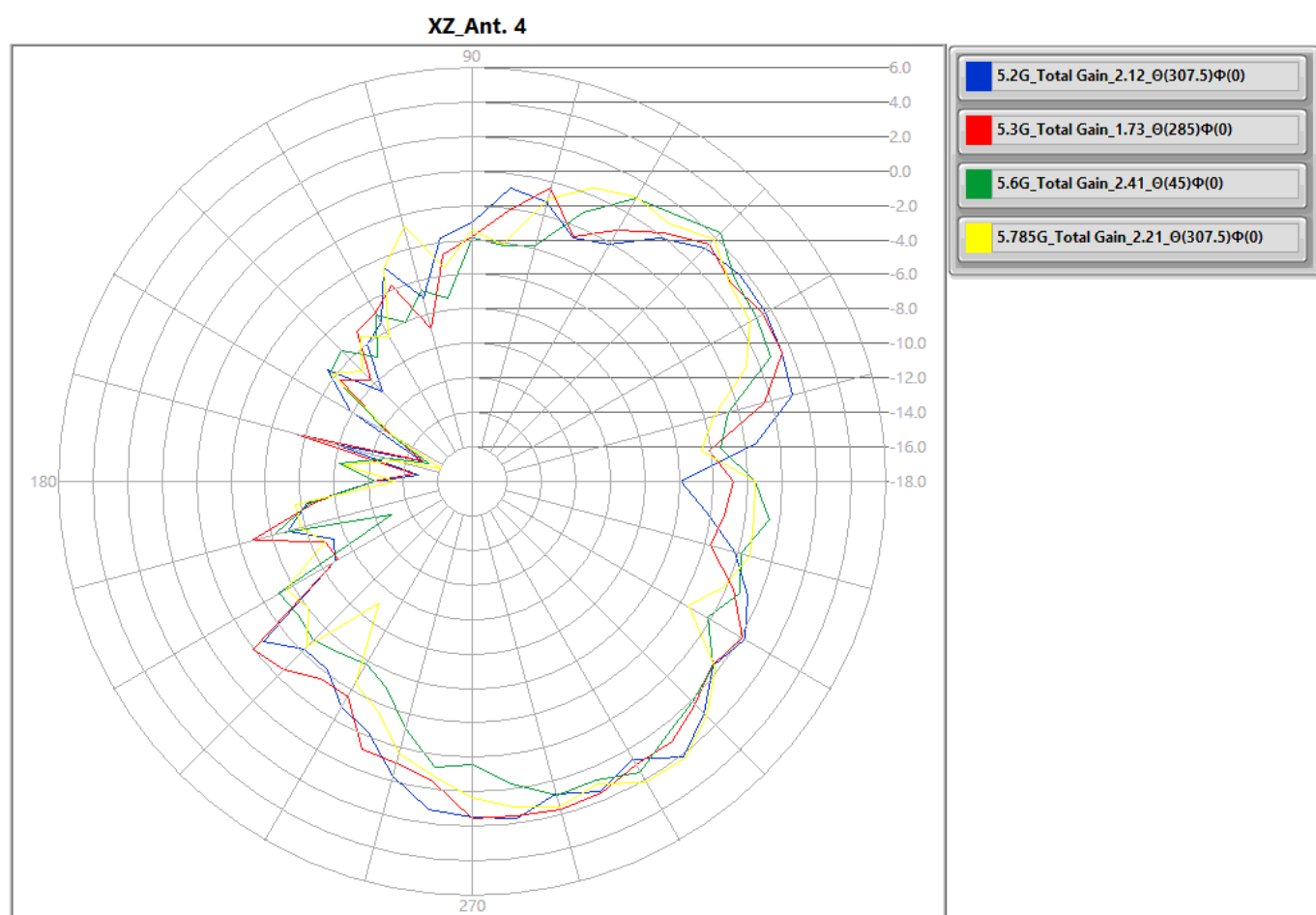
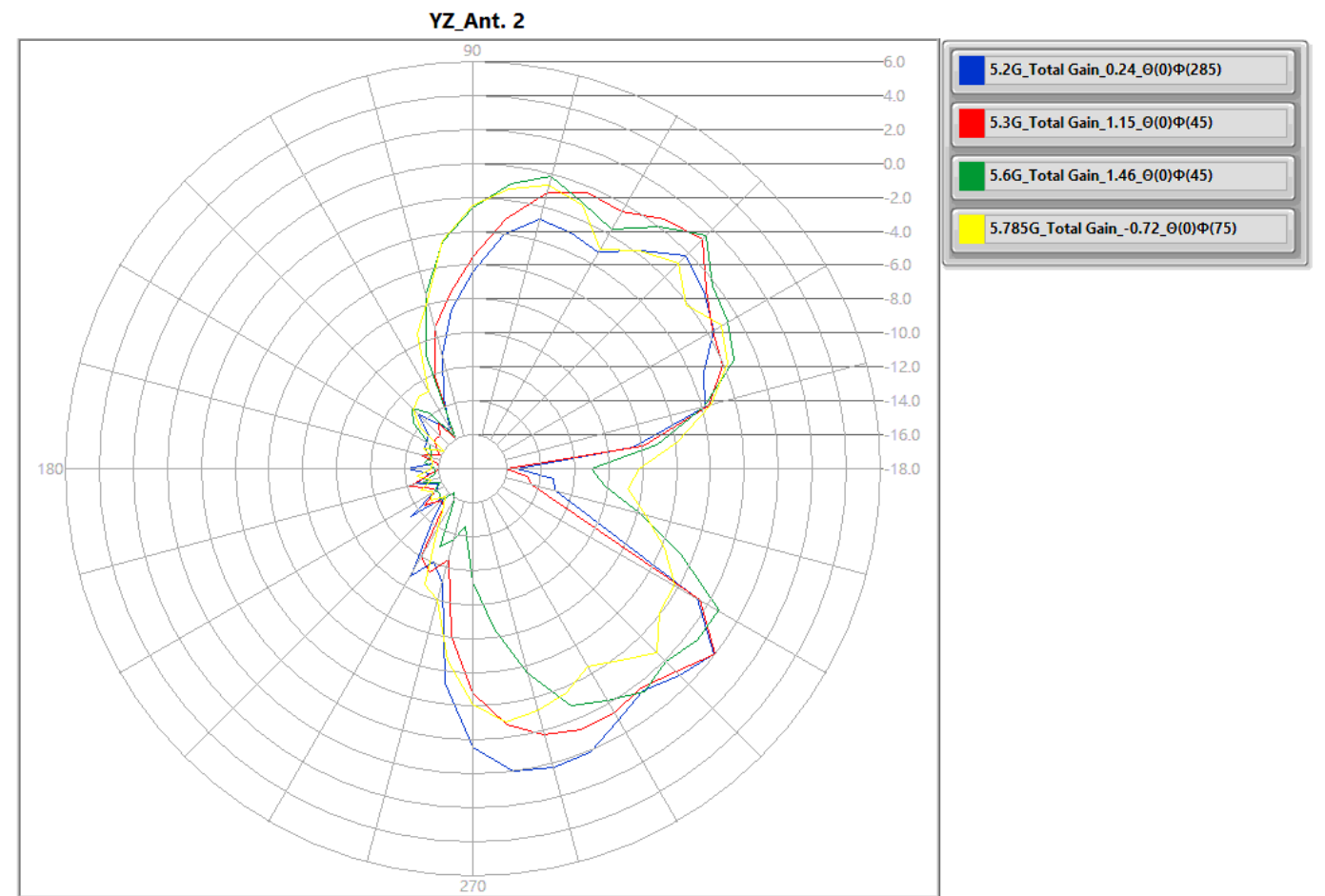
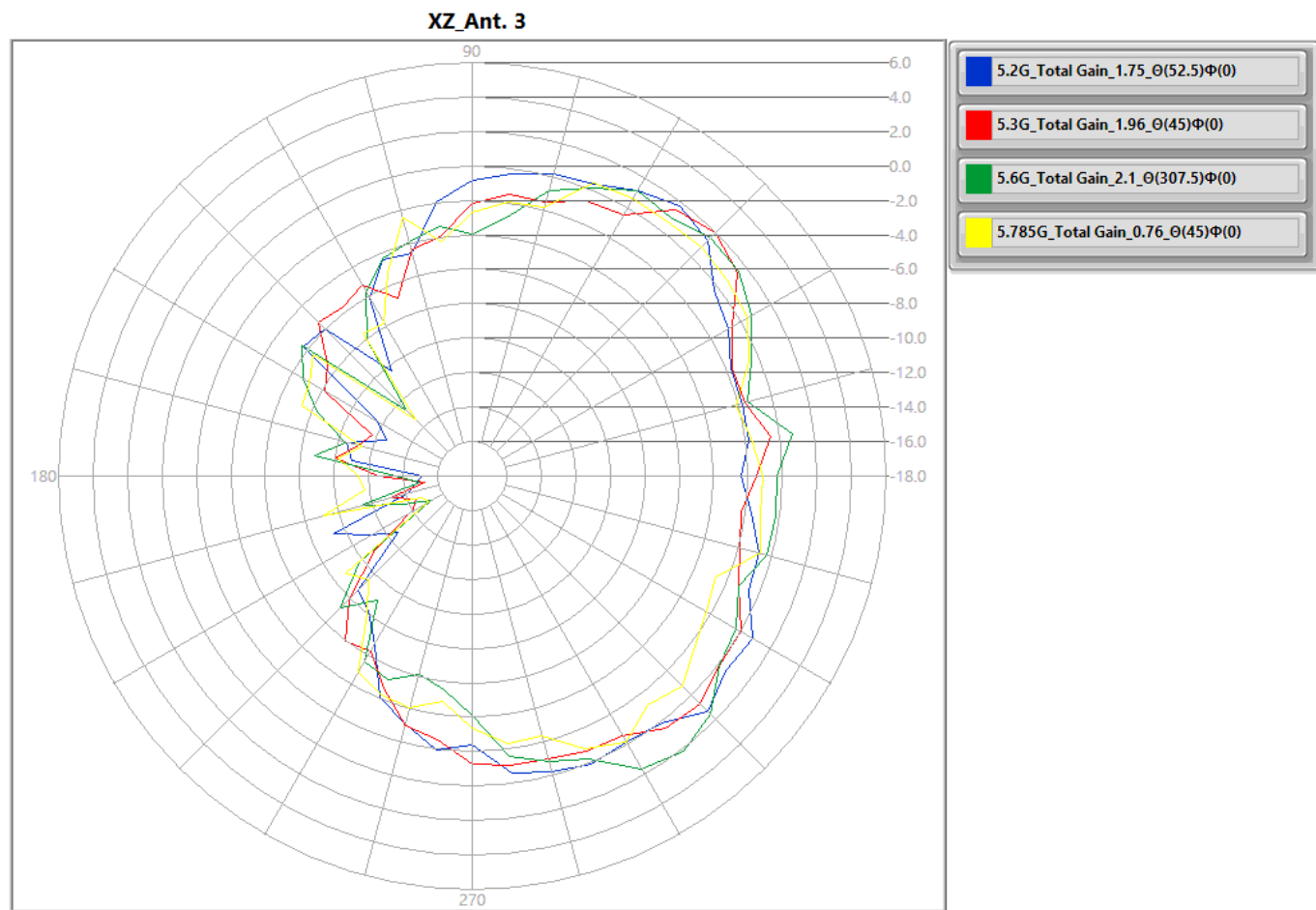
Appendix P

Θ(75°)	0.140/95	1.26/-0.97	-0.540/65	-1.65/-4.58	-3.33/-2.68	-1.31/-2.51	-0.41/-1.87	-0.90/-1.57	2.92/3.52	3.09/1.90	1.92/-0.56	0.55/-3.94	-0.26/-0.03	-1.67/-1.81	-0.72/-0.89	0.32/1.13	2.08/1.77	3.03/3.71	3.06/1.19	-0.25/-0.19	0.64/-1.07	-0.81/-0.72	-0.66/-1.72	-2.63/-1.98
Θ(82.5°)	-0.33/-1.72	-0.17/-2.64	-1.310/40	-2.99/-6.43	-4.37/-2.29	-1.72/-0.68	0.13/-1.74	-1.530/0.99	1.74/2.19	2.46/-0.26	0.05/-3.74	-0.85/-0.89	-0.60/-0.12	-1.51/-0.96	-0.70/-0.34	1.94/2.64	1.62/1.51	3.52/3.82	3.02/1.24	-0.60/0.29	-0.10/-1.33	-1.74/-2.15	-1.29/-1.56	-3.03/-1.38
Θ(90°)	-0.84/-4.18	-1.11/-4.61	-3.94/-0.76	-4.91/-7.48	-4.40/-2.32	-2.62/-2.37	-1.48/-2.62	-3.30/-2.65	-0.13/-0.45	1.55/-3.71	-1.51/-10.36	-1.75/-6.82	-2.37/-0.42	-3.10/-2.57	-2.37/-1.56	1.89/2.41	1.22/-0.13	2.27/2.80	2.00/-0.56	-2.35/-1.16	-2.01/-2.79	-2.57/-2.36	-1.92/-2.26	-4.30/-1.35
Θ(97.5°)	-1.93/-6.45	-2.28/-6.40	-5.69/-2.05	-7.71/-8.00	-6.25/-3.96	-3.97/-3.38	-4.41/-5.49	-4.56/-4.01	-2.30/-3.88	-1.68/-7.82	-2.60/-10.94	-2.22/-4.71	-1.97/-0.66	-5.59/-6.26	-5.63/-2.66	-1.870/3.77	-1.19/-1.52	-0.10/-0.17	-0.03/-2.23	-3.32/-1.84	-3.43/-3.45	-3.09/-3.14	-3.53/-2.56	-5.10/-2.00
Θ(105°)	-4.61/-5.76	-2.39/-7.72	-8.65/-3.14	-9.24/-8.16	-6.75/-6.60	-7.81/-5.77	-6.17/-9.88	-6.79/-6.22	-6.09/-6.22	-5.61/-10.13	-3.25/-9.67	-4.12/-6.66	-3.07/-2.58	-7.31/-10.91	-7.62/-2.66	-4.89/-4.30	-3.55/-3.87	-2.59/-3.84	-3.12/-3.85	-4.73/-4.32	-3.09/-2.74	-4.80/-3.43	-3.43/-3.23	-4.80/-3.23
Θ(112.5°)	-4.44/-8.30	-3.87/-7.82	-7.48/-5.79	-8.27/-9.92	-10.09/-9.59	-6.84/-7.59	-7.70/-11.56	-9.16/-12.99	-9.71/-7.25	-8.80/-8.63	-7.54/-8.71	-8.99/-9.83	-4.11/-7.15	-11.41/-9.21	-6.85/-5.04	-4.84/-4.04	-6.94/-6.15	-4.82/-6.44	-4.78/-3.62	-6.20/-4.32	-4.76/-4.13	-2.92/-3.76	-6.99/-4.05	
Θ(120°)	-6.06/-6.73	-8.16/-10.32	-6.54/-7.19	-7.73/-10.47	-12.28/-11.61	-12.80/-7.84	-7.37/-8.12	-8.57/-8.00	-6.61/-4.32	-4.30/-5.77	-14.09/-14.30	-12.02/-10.75	-6.70/-9.05	-10.99/-11.52	-8.73/-4.67	-5.42/-7.44	-7.93/-3.57	-3.90/-6.09	-3.36/-5.60	-5.48/-7.19	-5.65/-8.43	-5.79/-4.88	-4.29/-5.70	-7.65/-6.18
Θ(127.5°)	-10.35/-11.84	-8.63/-8.39	-9.95/-9.84	-7.52/-9.97	-10.20/-10.03	-13.92/-11.28	-10.99/-10.85	-15.58/-12.27	-13.00/-9.39	-7.57/-11.13	-9.76/-15.92	-11.91/-6.26	-8.15/-9.89	-13.20/-8.95	-6.42/-8.51	-9.02/-5.25	-6.73/-4.48	-5.94/-7.49	-5.01/-3.02	-6.69/-7.83	-9.01/-9.29	-8.49/-2.20	-3.70/-7.87	-7.68/-4.93
Θ(135°)	-5.94/-7.97	-7.99/-6.11	-10.02/-12.24	-8.44/-8.96	-8.89/-13.59	-13.48/-13.08	-14.90/-13.82	-14.22/-11.07	-10.92/-13.10	-14.65/-11.81	-11.70/-12.71	-9.59/-6.94	-8.66/-9.37	-13.30/-10.98	-8.17/-12.16	-9.68/-6.11	-11.19/-9.41	-9.01/-3.97	-8.40/-8.29	-13.43/-10.83	-13.01/-3.25	-3.39/-6.39	-6.81/-6.10	
Θ(142.5°)	-5.66/-7.76	-9.29/-7.19	-8.62/-8.40	-9.61/-10.27	-9.40/-10.69	-10.14/-9.23	-10.27/-11.07	-10.37/-8.53	-7.31/-6.03	-6.16/-7.82	-9.49/-10.41	-11.51/-15.15	-12.58/-11.49	-8.68/-8.39	-12.10/-10.63	-8.96/-5.97	-5.35/-7.80	-10.84/-7.86	-6.99/-5.38	-5.59/-8.34	-9.41/-11.02	-7.73/-5.92	-6.34/-6.29	-6.72/-5.08
Θ(150°)	-11.68/-10.70	-10.85/-10.84	-8.58/-7.56	-9.70/-10.62	-10.23/-10.51	-9.51/-9.38	-12.52/-14.30	-14.50/-13.96	-13.72/-12.67	-13.07/-13.98	-14.20/-13.54	-13.23/-11.30	-11.11/-9.52	-10.89/-10.75	-11.26/-11.46	-12.70/-13.74	-11.45/-10.77	-13.44/-10.95	-9.40/-9.38	-8.95/-9.33	-10.94/-11.70	-12.06/-8.97	-5.16/-5.19	-10.21/-12.10
Θ(157.5°)	-12.58/-12.70	-12.65/-12.03	-12.39/-12.44	-7.86/-8.46	-9.26/-10.07	-8.46/-7.75	-7.53/-10.55	-14.60/-14.29	-15.51/-12.25	-14.51/-12.59	-11.49/-7.79	-8.92/-9.17	-9.34/-10.55	-8.91/-8.22	-10.07/-11.03	-10.21/-13.00	-12.03/-13.34	-13.54/-11.42	-10.85/-10.88	-9.30/-9.01	-9.53/-8.91	-7.01/-7.26	-9.09/-11.18	-12.63/-13.70
Θ(165°)	-10.49/-10.19	-9.99/-9.84	-8.26/-7.15	-6.95/-7.53	-9.44/-14.04	-14.91/-14.89	-12.46/-11.51	-12.93/-15.98	-14.34/-12.42	-12.62/-14.04	-14.81/-13.87	-13.68/-14.16	-14.10/-10.90	-8.19/-8.01	-8.47/-10.63	-11.91/-11.80	-10.78/-10.23	-10.10/-9.82	-9.49/-8.30	-7.52/-6.94	-7.38/-7.24	-7.58/-7.71	-7.88/-9.13	-11.57/-11.97
Θ(172.5°)	-10.96/-10.55	-10.29/-10.70	-11.35/-10.93	-10.43/-9.94	-9.59/-10.22	-10.64/-11.38	-12.35/-13.41	-14.02/-14.38	-14.51/-13.43	-11.18/-9.54	-8.12/-8.66	-10.58/-11.66	-14.70/-14.55	-12.83/-12.59	-11.68/-11.32	-9.91/-8.62	-8.51/-9.58	-10.66/-11.27	-11.51/-11.79	-11.03/-8.86	-8.08/-8.02	-9.35/-11.38	-11.39/-9.95	-9.07/-9.62
Θ(180°)	-15.10/-14.61	-14.91/-14.67	-14.47/-13.79	-12.21/-11.43	-10.44/-10.09	-10.34/-11.63	-13.96/-15.01	-13.55/-14.20	-14.65/-14.63	-12.95/-13.48	-13.55/-12.66	-11.39/-11.40	-11.80/-11.71	-10.89/-11.39	-12.55/-13.70	-13.88/-13.97	-13.28/-12.79	-12.73/-12.53	-13.60/-15.60	-15.86/-15.09	-14.57/-13.98	-11.81/-12.11	-12.84/-13.06	-13.35/-13.96
Freq(Hz)	5.3GPol.	TotalAnt.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	-1.54/-1.45	-1.63/-2.05	-2.35/-2.41	-2.20/-3.48	-2.24/-1.93	-1.46/-1.33	-1.38/-1.26	-1.00/-0.88	-0.81/-0.78	-0.78/-0.56	-0.43/-0.68	-0.71/-0.88	-1.20/-1.40	-1.57/-1.73	-1.59/-1.63	-2.49/-2.40	-2.15/-2.37	-2.49/-2.40	-2.07/-2.19	-2.34/-2.15	-1.41/-1.22	-1.41/-1.58	-1.17/-1.17	-1.35/-1.54
Θ(7.5°)	-0.52/-0.75	-1.05/-1.45	-1.67/-2.22	-3.12/-3.28	-3.31/-3.26	-2.56/-2.43	-2.53/-2.31	-1.94/-1.61	-1.67/-1.80	-1.75/-1.44	-1.19/-1.51	-1.82/-1.87	-2.29/-2.06	-1.77/-2.12	-2.02/-2.04	-2.02/-1.61	-1.71/-1.72	-1.88/-1.84	-1.51/-1.39	-1.39/-1.49	-1.52/-0.95	-0.44/-0.42	-0.81/-0.70	-0.31/-0.11
Θ(15°)	-1.58/-0.55	-0.05/-0.33	-0.92/-2.25	-3.19/-3.77	-4.63/-4.47	-3.74/-3.30	-2.88/-1.85	-1.45/-1.13	-0.91/-0.71	-0.55/-0.42	-0.20/-0.23	-0.84/-1.50	-1.92/-1.25	-1.56/-1.29	-1.62/-1.88	-1.92/-1.58	-1.49/-1.49	-1.70/-2.00	-2.36/-2.65	-2.59/-2.67	-2.84/-2.72	-2.26/-1.77	-1.95/-2.69	-2.71/-2.25
Θ(22.5°)	-1.65/-0.95	-0.48/-0.40	-0.79/-2.26	-3.05/-3.15	-3.32/-2.94	-2.69/-2.83	-2.31/-1.78	-1.52/-1.53	-2.15/-2.05	-1.31/-1.01	0.36/-0.45	0.59/-1.02	-1.26/-2.52	-3.27/-3.31	-1.77/-0.63	-0.20/-0.34	-1.72/-1.33	-1.74/-1.83	-1.44/-1.52	-1.10/-1.11	-0.38/-0.28	0.45/-0.08	-0.59/-1.17	
Θ(30°)	-0.56/-0.93	-1.91/-2.32	-0.94/-0.27	-0.46/-1.43	-2.95/-3.21	-2.53/-1.79	-1.67/-1.80	-1.73/-1.53	-0.94/-0.29	-0.14/-0.50	-0.92/-0.91	-0.46/-0.02	0.04/-0.44	-1.59/-1.92	-2.70/-2.95	-1.360/0.88	1.380/0.83	0.48/-0.02	0.04/0.77	1.43/1.51	1.21/0.61	0.06/-0.32	-0.38/-0.54	-0.51/-0.39
Θ(37.5°)	1.380/79	-0.92/-3.16	-1.800/44	0.66/-1.42	-3.62/-2.53	-1.70/-2.34	-2.43/-3.17	-1.712/1.24	2.161/1.94	1.790/77	-0.060/71	0.08/-1.99	-3.53/-2.01	-0.71/-1.31	-0.840/43	0.580/41	0.390/46	0.740/07	-0.41/-0.26	-0.410/07	0.25/-0.13	-0.81/-1.14	-0.250/75	
Θ(45°)	1.96/228	1.77/255	-1.65/-0.39	0.34/-1.10	-2.01/-1.02	-1.99/-2.96	-1.34/-0.20	0.15/-0.14	1.63/258	3.20/295	2.06/045	0.18/138	0.71/-1.00	-2.74/-1.60	-0.27/-0.67	0.080/-0.23	-0.14/-0.11	-0.34/-0.10	0.85/0.39	-2.73/-3.26	-2.13/-1.26	0.340/43	-0.63/-0.95	-0.180/80
Θ(52.5°)	1.44/247	2.23/194	0.560/33	0.500/28	-0.54/-0.98	-1.24/-2.63	-1.850/0.64	1.06/1.64	1.38/225	2.65/250	0.57/-1.04	0.14/0.88	0.490/59	-0.06/-0.82	-1.72/-1.99	-2.41/-0.64	0.94/0.12	0.09/257	2.45/1.01	-0.27/-1.05	-0.20/-0.71	0.680/70	0.04/0.44	-0.12/-0.34
Θ(60°)	-0.48/-1.45	1.19/-1.18	1.91/-92	-0.090/80	-0.15/-1.24	-2.04/-5.25	-3.070/27	1.803/00	3.88/3.19	1.93/184	1.680/18	-0.03/-0.31	-0.570/31	0.32/-0.53	-2.87/-2.12	-1.19/-0.18	1.87/-0.16	0.31/2.80	2.64/-1.16	-0.950/05	0.54/-0.22	0.570/58	0.200/09	-1.77/-2.70
Θ(67.5°)	-0.720/18	-0.17/-0.57	0.780/77	-0.18/-0.64	-2.92/-2.75	-2.40/-5.28	-1.84/-1.30	-0.842/07	3.53/26	1.472/16	3.090/99	-0.85/-0.67	-0.74/-0.75	-1.46/-1.42	-3.12/-2.10	-0.880/16	2.22/117	2.01/319	1.91/03	-0.92/-1.29	-0.13/-0.73	0.060/62	-0.00/-0.45	-1.62/-2.48
Θ(75°)	-1.57/-1.22	-1.17/-1.17	0.26/-0.19	-2.12/-2.43	-2.94/-2.58	-1.97/-2.97	-1.13/-3.70	-3.410/27	2.702/41	2.071/49	2.550/04	-1.16/-2.89	-1.03/-0.74	-2.41/-2.15	-1.98/-0.39	1.510/96	1.960/79	2.302/26	1.66/-0.36	-1.13/-1.28	-0.64/-0.88	-0.010/13	0.450/-31	-1.59/-3.40
Θ(82.5°)	-1.48/-3.22	-3.78/-3.75	-1.83/-0.99	-2.84/-4.21	-4.61/-3.57	-2.72/-2.52	-0.82/-2.41	-4.61/-1.56	1.070/97	2.230/10	0.71/-0.41	-2.97/-5.61	-1.08/-2.18	-3.21/-1.22	-0.810/11	2.752/37	0.850/73	3.132/55	0.98/-0.96	-0.95/-0.80	-1.15/-1.27	-0.91/-8.07	1.010/28	-2.04/-2.51
Θ(90°)	-2.18/-2.22	-3.54/-5.58	-4.25/-2.53	-4.04/-5.94	-5.54/-4.02	-2.99/-2.29	-2.59/-2.63	-3.55/-2.57	0.45/-0.56	1.12/-2.58	-0.26/-4.22	-2.73/-5.85	-1.29/-1.97	-4.95/-2.90	-1.01/-0.57	1.49/1.34	0.520/02	2.460/64	0.20/-2.21	-1.28/-0.80	-3.54/-1.77	-2.54/-2.89	-0.45/-1.12	-3.09/-2.88
Θ(97.5°)	-4.01/-4.68	-5.00/-5.45	-7.85/-3.77	-6.13/-6.31	-6.59/-7.60	-4.13/-3.27	-3.51/-4.88	-4.38/-4.56	-1.44/-2.16	-1.01/-6.68	-2.90/-8.66	-8.67/-7.02	-2.57/-3.41	-5.87/-4.61	-1.74/-2.09	-1.84/-0.49	-0.73/-2.04	-0.77/-3.06	-1.15/-2.24	-1.88/-2.13	-3.36/-3.61	-3.48/-4.05	-1.79/-2.71	-4.10/-3.72
Θ(105°)	-4.40/-5.33	-5.66/-4.88	-9.39/-4.31	-7.94/-8.38	-6.53/-6.16	-7.37/-6.91	-5.30/-4.77	-8.62/-8.00	-4.59/-3.44	-5.32/-8.38	-2.92/-8.60	-5.11/-7.31	-3.02/-3.09	-7.39/-6.83	-4.63/-2.14	-4.27/-3.55	-3.42/-3.46	-5.18/-5.16	-2.28/-4.42	-4.12/-5.34	-5.88/-3.84	-4.14/-2.29	-2.76/-3.77	-3.33/-4.77
Θ(112.5°)	-6.79/-6.13	-6.11/-6.91	-11.67/-5.59	-9.34/-9.97	-8.83/-7.11	-9.54/-10.69	-7.37/-10.29	-11.31/-15.47	-10.01/-6.57	-7.28/-7.40	-9.19/-13.19	-11.51/-9.16	-4.67/-4.43	-8.48/-8.62	-4.84/-3.78	-8.41/-5.58	-3.85/-3.42	-8.55/-5.85	-6.20/-2.21	-1.28/-0.80	-4.25/-4.84	-4.92/-4.06	-3.60/-2.94	-3.45/-3.33
Θ(120°)	-5.61/-5.21	-9.14/-9.44	-11.95/-6.48	-6.85/-9.15	-13.31/-8.21	-9.91/-9.42	-7.56/-7.67	-12.70/-12.85	-6.97/-4.57	-4.25/-5.30	-14.54/-14.28	-6.27/-9.92	-8.89/-8.73	-6.90/-3.05	-5.28/-7.28	-8.49/-2.60	-4.36/-6.49	-6.25/-7.00	-3.95/-4.80	-5.74/-5.26	-3.93/-4.66	-1.78/-5.26	-5.30/-9.13	
Θ(127.5°)	-5.68/-6.41	-9.30/-11.78	-13.21/-10.24	-8.77/-10.07	-9.26/-13.43	-15.18/-13.21	-12.62/-12.19	-15.29/-13.34	-12.14/-8.94	-7.56/-10.81	-11.90/-15.81	-15.72/-6.48	-5.92/-8.86	-13.00/-7.81	-7.									

θ(127.5°)	-7.94/-8.12	-11.10/-15.58	-12.52/-10.16	-10.90/-13.36	-15.20/-11.26	-10.08/-7.77	-10.44/-10.97	-10.52/-12.14	-8.86/-8.41	-7.37/-7.76	-7.04/-4.76	-6.15/-6.43	-4.25/-10.20	-9.05/-4.09	-2.18/-4.82	-9.83/-6.03	-8.17/-5.13	-3.35/-2.94	-8.10/-9.70	-7.59/-4.98	-5.68/-6.07	-7.89/-6.93	-6.75/-9.61	-10.39/-8.37
θ(135°)	-10.64/-12.29	-13.70/-16.11	-9.48/-6.18	-7.12/-7.41	-9.81/-12.64	-13.35/-9.02	-10.46/-11.38	-11.06/-10.88	-9.33/-11.08	-7.86/-6.21	-3.87/-2.97	-6.24/-7.10	-4.22/-7.10	-11.18/-2.67	-0.90/-6.41	-10.46/-16.01	-6.27/-6.73	-2.27/-3.75	-6.26/-7.24	-5.61/-3.99	-4.52/-5.96	-11.12/-8.12	-7.73/-14.07	-13.83/-14.40
θ(142.5°)	-7.44/-8.84	-7.66/-8.27	-10.41/-9.96	-7.71/-7.54	-9.50/-8.88	-8.66/-9.91	-10.90/-10.92	-12.33/-10.00	-9.43/-10.55	-7.92/-7.50	-11.01/-8.17	-6.07/-5.53	-2.72/-3.31	-5.46/-5.07	-3.62/-4.82	-8.29/-7.39	-8.24/-5.42	-3.42/-5.81	-6.84/-9.02	-9.27/-3.88	-2.10/-5.98	-13.40/-15.89	-13.73/-8.34	-9.86/-9.00
θ(150°)	-9.87/-9.82	-13.67/-15.75	-15.16/-15.15	-14.20/-13.99	-15.51/-13.12	-13.43/-13.98	-12.22/-11.68	-12.21/-10.29	-9.63/-14.14	-13.86/-10.74	-12.62/-9.23	-5.02/-5.39	-8.78/-8.47	-6.12/-5.42	-8.53/-10.04	-8.03/-8.58	-11.88/-10.28	-9.29/-8.78	-8.96/-10.99	-11.80/-11.84	-8.59/-6.15	-7.59/-11.38	-11.39/-8.73	-9.29/-11.79
θ(157.5°)	-14.80/-14.79	-14.63/-15.22	-14.93/-11.69	-10.30/-11.75	-14.51/-13.96	-12.65/-9.11	-8.13/-9.10	-9.03/-8.87	-6.33/-7.36	-8.30/-7.98	-8.08/-10.18	-11.28/-8.27	-9.34/-9.51	-9.28/-8.93	-9.46/-10.03	-11.40/-9.71	-6.53/-6.55	-9.11/-12.90	-12.55/-11.83	-11.57/-10.56	-8.18/-7.45	-8.49/-10.39	-10.29/-7.61	-8.19/-12.32
θ(165°)	-9.79/-10.86	-8.57/-8.06	-8.61/-10.20	-11.36/-10.77	-9.53/-8.36	-7.33/-8.38	-8.94/-9.51	-8.01/-7.03	-7.23/-8.08	-8.77/-7.93	-7.52/-7.54	-6.93/-5.90	-5.34/-4.68	-6.01/-5.96	-6.43/-7.36	-7.21/-7.23	-6.55/-7.28	-7.71/-8.53	-8.92/-9.66	-10.54/-11.02	-10.28/-9.14	-9.45/-10.43		
θ(172.5°)	-14.88/-15.88	-14.96/-15.58	-14.51/-13.93	-13.58/-13.11	-11.86/-11.06	-9.90/-9.24	-7.63/-7.16	-7.37/-7.37	-7.02/-7.02	-7.09/-6.90	-6.88/-6.95	-6.98/-7.65	-8.31/-8.85	-9.53/-9.94	-8.91/-8.30	-8.80/-8.47	-8.16/-8.42	-8.84/-8.99	-9.89/-12.05	-13.86/-13.70	-13.59/-13.81	-14.31/-13.05	-11.68/-11.53	-12.56/-15.92
θ(180°)	-12.36/-11.78	-11.76/-11.00	-10.01/-8.80	-8.14/-8.47	-8.90/-8.38	-8.57/-8.22	-7.62/-7.20	-7.34/-7.88	-8.38/-8.62	-8.84/-9.22	-9.36/-8.69	-7.78/-8.00	-8.27/-8.46	-8.59/-7.73	-7.93/-7.75	-7.19/-7.06	-7.88/-10.20	-11.38/-13.96	-13.95/-13.07	-11.87/-10.53	-10.71/-11.60	-12.01/-11.76	-10.90/-10.70	-11.21/-12.60
Freq(Hz)	5.3GPol.	Total/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°)	-2.87/-3.04	-3.17/-3.67	-3.68/-3.46	-3.79/-4.00	-3.53/-3.24	-3.13/-3.14	-2.98/-2.73	-2.87/-2.95	-2.92/-3.40	-3.53/-3.49	-3.30/-3.28	-3.66/-3.98	-4.38/-4.55	-4.46/-4.33	-4.75/-4.70	-4.54/-4.76	-5.20/-4.78	-4.22/-3.63	-3.60/-3.65	-3.40/-3.19	-2.78/-2.89	-2.64/-2.38	-2.54/-2.74	-2.96/-2.76
θ(7.5°)	-4.17/-4.14	-3.54/-3.81	-3.60/-3.39	-2.65/-3.22	-3.32/-2.84	-2.79/-2.80	-2.77/-2.60	-2.93/-2.90	-2.69/-2.68	-3.14/-2.90	-2.29/-2.17	-2.60/-2.91	-3.26/-3.72	-3.24/-2.75	-2.70/-3.03	-2.75/-2.65	-2.68/-2.62	-2.85/-2.56	-2.31/-2.28	-2.49/-2.62	-2.89/-3.37	-3.66/-3.72	-3.77/-3.80	-4.55/-4.80
θ(15°)	-0.440/-0.34	0.800/-0.7	1.010/-96	1.110/-44	-0.10/-0.17	0.09/-0.08	-0.65/-0.73	-0.79/-1.06	-0.75/-0.47	-1.43/-1.80	-1.86/-2.48	-2.98/-3.33	-3.66/-3.59	-3.15/-2.45	-2.05/-2.07	-1.97/-1.70	-1.80/-1.91	-2.08/-2.11	-2.31/-2.56	-2.91/-2.93	-3.25/-4.03	-4.69/-4.50	-3.79/-2.72	-1.61/-1.11
θ(22.5°)	1.44/-1.90	1.64/-1.58	1.33/-1.21	0.80/-0.56	0.60/-0.70	0.66/-0.34	-0.15/-1.62	-2.59/-1.39	-0.01/-0.21	-0.21/-0.15	-0.47/-0.53	-1.04/-1.66	-1.62/-1.11	-0.34/-0.09	0.28/-0.34	0.71/-1.26	1.93/-2.11	2.13/-0.24	1.54/-0.74	-0.12/-1.18	-1.65/-2.65	-3.79/-3.28	-2.21/-1.39	-0.08/-0.92
θ(30°)	1.46/-1.24	0.21/-0.73	-0.61/-0.18	0.84/-0.83	0.47/-0.53	1.29/-0.29	2.27/-1.00	-1.04/-1.68	-0.20/-0.16	-0.37/-0.54	0.19/-0.30	0.14/-0.45	0.42/-0.54	-1.55/-1.69	-1.16/-0.25	0.57/-1.44	3.49/-3.13	2.23/-1.7	0.84/-0.17	-1.17/-0.83	0.51/-0.74	0.65/-1.18		
θ(37.5°)	0.89/-0.80	0.24/-0.30	0.79/-0.54	0.84/-1.04	0.82/-0.34	-0.28/-0.28	1.47/-1.19	-0.75/-1.40	-0.54/-0.31	-0.62/-1.36	-2.26/-2.43	-1.65/-0.24	-0.48/-0.98	-0.28/-0.75	0.58/-0.24	0.20/-0.10	-0.84/-0.67	0.38/-1.62	2.25/-0.05	1.41/-1.09	1.74/-1.24	1.41/-0.98	1.59/-0.85	-0.78/-0.18
θ(45°)	1.39/-1.37	1.10/-0.96	1.49/-1.50	1.63/-2.04	2.01/-1.32	-0.05/-0.59	1.22/-1.92	0.94/-0.84	-1.68/-1.41	-0.47/-0.46	-2.71/-2.97	-0.31/-1.46	0.28/-1.36	-1.30/-0.34	-0.14/-0.77	-0.37/-0.22	-0.80/-0.90	0.39/-0.82	1.43/-2.19	1.80/-1.14	1.06/-0.92	1.37/-1.99	2.42/-1.91	0.39/-0.88
θ(52.5°)	0.21/-0.93	0.97/-0.79	1.43/-1.39	0.71/-1.48	1.46/-1.82	1.44/-0.62	0.95/-1.49	0.38/-0.94	-0.94/-2.11	-1.22/-1.60	-3.43/-0.32	2.60/-2.99	1.01/-0.55	-0.52/-0.31	0.32/-0.04	0.80/-0.26	2.02/-2.16	0.66/-0.19	1.71/-2.62	2.51/-1.69	0.62/-1.50	0.65/-1.86	2.05/-2.82	2.23/-1.11
θ(60°)	-1.22/-0.53	1.77/-2.48	2.86/-2.27	1.17/-1.57	2.16/-2.44	2.16/-0.72	-0.78/-0.87	-1.86/-2.16	-0.57/-1.59	-3.39/-1.22	-0.95/-0.75	2.15/-2.11	0.99/-0.47	-1.43/-1.28	0.42/-1.15	0.29/-1.27	1.17/-1.90	2.59/-2.55	1.68/-1.08	1.21/-1.98	2.31/-0.03	0.55/-0.58	0.51/-2.85	2.94/-0.77
θ(67.5°)	-2.62/-0.28	2.04/-3.14	3.13/-2.08	1.59/-2.20	3.30/-2.45	1.13/-1.07	-0.76/-0.74	-1.14/-1.36	-3.87/-0.20	1.03/-1.55	1.70/-1.54	1.52/-2.08	-1.20/-1.34	-0.29/-0.02	-0.78/-0.66	-0.01/-1.51	3.20/-3.47	2.67/-2.27	2.16/-2.02	1.83/-0.30	1.77/-0.91	0.24/-2.40	2.20/-1.13	
θ(75°)	-0.35/-0.36	1.39/-8.1	1.06/-0.36	2.04/-2.78	3.34/-1.44	-0.19/-0.32	-0.44/-0.43	0.62/-1.56	-1.23/-3.49	-5.50/-0.40	0.63/-0.85	0.41/-0.04	1.73/-0.04	-2.76/-2.13	-1.07/-0.73	-0.47/-0.87	0.86/-1.16	2.39/-3.98	3.40/-1.72	2.25/-2.06	2.32/-1.88	2.03/-0.48	0.10/-1.14	0.84/-0.68
θ(82.5°)	-2.16/-1.54	-0.33/-2.00	-1.19/-3.03	0.49/-1.01	1.97/-0.62	-3.21/-0.93	0.55/-0.80	1.08/-1.20	-1.49/-4.35	4.07/-1.39	-1.82/-0.24	-0.12/-0.47	1.56/-2.29	-3.14/-1.44	-1.40/-1.61	-1.02/-1.04	2.06/-1.59	1.57/-3.49	3.60/-1.82	2.38/-1.34	1.67/-2.24	2.00/-0.12	0.04/-1.01	-1.90/-3.35
θ(90°)	-3.83/-3.81	-3.03/-4.91	-2.84/-7.99	-1.59/-1.59	0.18/-2.87	-4.69/-2.36	-0.11/-0.29	0.25/-1.67	-0.82/-6.60	-4.61/-2.87	-4.20/-1.73	-0.15/-1.25	1.55/-3.15	-4.78/-2.82	-1.76/-2.45	-2.55/-1.79	1.56/-1.73	0.87/-1.07	2.26/-0.66	1.05/-0.41	0.09/-1.62	1.26/-2.62	-2.71/-3.67	-1.89/-1.13
θ(97.5°)	-4.73/-4.19	-3.30/-7.15	-3.70/-8.55	-4.04/-5.16	-3.08/-3.48	-6.32/-4.39	-1.94/-2.07	-1.01/-2.57	-2.59/-9.74	-5.35/-3.72	-4.37/-2.12	-2.39/-3.43	-0.46/-4.47	-4.74/-1.75	-1.22/-1.49	-3.19/-4.11	-0.19/-1.03	-0.91/-0.77	-0.61/-3.29	-0.07/-2.64	-2.54/-1.52	-0.94/-4.68	-5.59/-8.42	-5.51/-1.69
θ(105°)	-8.85/-6.48	-5.18/-6.25	-3.40/-8.38	-8.28/-5.55	-8.47/-7.50	-10.48/-8.71	-5.44/-4.85	-2.07/-5.06	-5.03/-12.06	-4.71/-4.21	-4.84/-4.52	-2.96/-4.34	-1.06/-3.30	-4.62/-4.74	-1.18/-0.69	-2.19/-4.77	-2.71/-3.36	-3.93/-1.63	-2.35/-5.12	-1.11/-4.15	-6.76/-5.12	-2.18/-6.53	-5.82/-6.70	-7.47/-4.84
θ(112.5°)	-5.71/-9.59	-7.69/-9.79	-9.99/-9.51	-5.34/-2.81	-9.21/-13.16	-13.91/-11.15	-5.96/-6.58	-5.44/-8.90	-7.92/-11.52	-4.34/-5.99	-5.87/-4.54	-4.09/-2.90	-1.21/-3.75	-3.38/-4.68	-2.86/-1.42	-2.79/-5.88	-3.55/-0.66	-1.62/-0.67	-3.73/-4.85	-1.16/-2.86	-6.61/-7.90	-2.65/-6.39	-6.56/-9.26	-8.79/-3.67
θ(120°)	-6.73/-8.51	-15.62/-15.28	-13.53/-8.53	-4.91/-3.33	-6.64/-11.56	-10.40/-5.77	-3.84/-7.87	-8.58/-9.74	-10.22/-8.94	-5.79/-6.48	-7.20/-7.68	-2.61/-1.83	-3.82/-2.94	-6.39/-7.46	-5.79/-3.87	-5.45/-4.29	-4.09/-0.50	-1.15/-1.69	-6.25/-7.72	-4.12/-3.49	-7.02/-9.04	-4.58/-6.65	-8.95/-11.13	-8.99/-0.01
θ(127.5°)	-7.03/-10.58	-12.85/-12.40	-13.58/-9.78	-10.44/-12.48	-16.50/-11.73	-11.49/-7.98	-10.79/-11.86	-13.05/-11.86	-8.73/-8.45	-8.41/-7.15	-8.54/-9.63	-5.14/-5.86	-3.59/-7.59	-9.78/-9.41	-2.27/-2.38	-14.03/-6.88	-5.82/-3.24	-5.68/-5.06	-7.90/-9.72	-7.66/-5.18	-5.98/-8.15	-7.95/-7.07	-7.80/-9.19	-8.93/-7.67
θ(135°)	-1.67/-11.84	-12.47/-14.06	-10.99/-7.13	-8.70/-9.00	-12.29/-15.02	-10.99/-7.13	-10.79/-10.66	-10.25/-8.43	-10.73/-9.66	-7.95/-8.36	-5.01/-2.85	-6.32/-5.24	-2.52/-6.66	-10.73/-3.53	-1.12/-6.84	-12.35/-13.22	-5.73/-4.57	-1.28/-3.14	-8.70/-9.86	-5.71/-3.39	-5.70/-6.80	-9.55/-7.44	-7.26/-13.43	-16.49/-14.56
θ(142.5°)	-8.33/-10.60	-9.00/-17.23	-9.13/-12.44	-12.18/-13.11	-12.47/-8.67	-8.65/-9.52	-8.00/-7.95	-10.15/-11.02	-12.91/-9.18	-6.10/-7.12	-7.10/-9.60	-8.57/-4.07	-1.95/-4.18	-7.06/-5.18	-2.94/-4.17	-9.32/-7.68	-6.34/-4.91	-2.88/-6.23	-7.96/-9.01	-8.75/-4.82	-3.70/-7.88	-11.43/-13.55	-14.83/-10.17	-12.32/-11.72
θ(150°)	-12.42/-9.75	-13.51/-15.88	-14.16/-15.15	-12.69/-13.69	-13.52/-11.30	-12.63/-14.76	-12.09/-11.77	-12.57/-9.83	-8.63/-10.73	-9.17/-10.78	-14.86/-10.73	-5.78/-5.86	-9.02/-8.71	-4.99/-5.51	-9.15/-13.89	-10.29/-8.16	-10.36/-12.54	-12.21/-11.34	-9.87/-11.91	-10.54/-14.94	-11.08/-7.27	-8.26/-11.38	-12.62/-9.71	-11.23/-14.48
θ(157.5°)	-14.83/-11.78	-14.81/-15.56	-14.11/-9.97	-9.00/-10.15	-14.11/-9.97	-9.00/-10.15	-12.79/-11.02	-9.52/-10.20	-10.14/-7.20	-6.24/-7.73	-7.58/-6.32	-6.75/-8.29	-10.42/-10.67	-8.78/-8.50	-8.75/-9.18	-9.32/-8.68	-9.89/-10.11	-7.63/-11.00	-12.57/-12.50	-10.18/-10.79	-8.97/-7.91	-8.95/-10.87	-9.53/-7.41	-8.91/-11.96
θ(165°)	-7.39/-8.37	-7.80/-8.32	-9.29/-10.13	-12.59/-13.19	-10.53/-8.46	-7.86/-7.80	-8.64/-7.95	-6.70/-6.22	-7.22/-9.74	-10.15/-8.32	-7.47/-8.14	-7.92/-6.90	-4.78/-3.67	-2.99/-3.46	-3.77/-4.73	-5.08/-4.99	-4.72/-5.54	-7.38/-6.13	-8.58/-7.45	-7.71/-7.61	-8.23/-9.81	-11.09/-11.51	-11.21/-10.31	-9.53/-7.77
θ(172.5°)	-14.59/-14.20	-15.16/-15.10	-13.19/-12.70	-11.24/-10.69	-10.65/-9.65	-8.48/-7.50	-8.41/-8.08	-8.75/-7.59	-7.30/-7.27	-7.68/-8.07	-7.56/-7.06	-7.14/-8.07	-8.83/-10.92	-10.21/-13.02	-10.08/-10.17	-10.49/-10.73	-9.81/-9.39	-9.34/-9.83	-10.69/-12.58	-13.41/-13.08	-12.77/-12.86	-12.07/-10.98	-10.74/-11.03	-11.95/-12.81
θ(180°)	-12.30/-12.92	-14.43/-12.81	-10.58/-8.80	-9.97/-10.35	-10.74/-9.82	-8.																		

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







Sporton International Inc. Hsinchu Laboratory



Antenna Pattern of Radio 3 6GHz (EUT 1)

Appendix Q

Θ(22.5°)	-0.66/-1.46	-0.92/-0.60	-0.78/-2.45	-3.75/-4.58	-5.43/-5.87	-6.18/-5.76	-6.17/-7.58	-8.86/-10.40	-12.50/-14.55	-15.06/-13.79	-11.54/-9.84	-7.87/-6.30	-4.07/-2.62	-2.73/-2.55	-1.96/-1.57	-0.68/-0.26	-0.53/-0.92	-1.60/-1.83	-3.13/-4.51	-4.49/-3.30	-1.390.38	1.41/-1.85	1.69/-1.20	0.380.05
Θ(30°)	0.24/-0.88	-0.01/-0.47	0.40/-1.08	-2.88/-2.87	-2.62/-2.65	-2.69/-3.08	-5.16/-4.85	-12.11/-12.43	-8.46/-5.86	-6.24/-6.83	-6.58/-3.95	-1.83/-0.83	-0.83/-1.70	-0.99/-0.89	-1.97/-1.18	1.53/-2.51	2.10/-0.81	-1.23/-1.84	-1.34/-0.30	0.28/-1.5	1.28/-0.16	-1.58/-2.75	-0.650.85	0.420.64
Θ(37.5°)	-0.37/-1.23	-0.12/-1.40	-1.25/-1.81	-0.51/-0.25	-1.26/-1.52	-1.02/-2.02	-0.76/-1.83	-2.50/-2.34	-1.47/-0.09	0.44/-0.03	-1.45/-3.32	-0.52/-0.28	0.87/-0.55	1.07/-0.60	-1.27/-1.30	2.13/-2.18	2.22/-65	0.08/-0.07	1.62/-2.25	1.40/-1.49	1.71/-0.98	0.96/-1.64	1.22/-1.52	1.250.73
Θ(45°)	2.59/-1.68	-0.09/-1.13	-0.79/-2.26	-0.01/-1.42	-0.14/-0.10	2.28/-2.11	0.59/-0.92	-0.24/-0.18	0.08/-1.11	2.26/-2.08	2.06/-0.37	-1.62/-0.83	1.32/-1.47	1.49/-1.78	0.65/-1.27	1.71/-2.38	2.85/-1.30	0.01/-0.56	2.19/-2.51	2.67/-2.33	0.71/-0.87	-0.030.35	0.67/-1.96	2.43/-2.66
Θ(52.5°)	2.26/-1.25	0.20/-0.66	0.62/-0.12	1.24/-1.87	0.75/-2.17	2.72/-2.08	0.37/-0.63	2.29/-2.46	2.53/-2.45	2.47/-3.18	4.15/-4.06	1.62/-0.16	0.50/-1.58	0.91/-1.59	0.78/-1.08	1.32/-1.92	3.21/-0.61	0.54/-2.49	3.60/-3.82	3.43/-1.11	-1.91/-0.65	1.52/-1.55	1.29/-1.39	2.35/-1.99
Θ(60°)	-1.09/-0.50	1.54/-1.53	0.59/-1.26	2.24/-2.89	1.58/-1.64	2.71/-2.58	1.16/-0.51	4.26/-3.59	3.06/-2.39	2.16/-1.88	3.01/-3.91	0.30/-1.42	-0.70/-2.33	1.11/-1.16	-0.51/-0.38	1.04/-0.93	2.67/-0.34	1.18/-1.70	2.30/-2.21	1.96/-0.01	-1.22/-0.17	0.45/-0.36	-0.94/-1.94	-1.86/-1.45
Θ(67.5°)	0.26/-2.37	3.79/-0.74	0.47/-0.89	2.19/-3.46	1.83/-2.32	3.00/-2.46	1.88/-3.55	3.79/-2.67	2.53/-2.61	3.04/-2.26	0.63/-2.59	2.91/-1.81	-1.54/-1.79	0.97/-0.56	-1.62/-0.49	1.25/-0.77	0.14/-0.19	1.01/-0.45	0.30/-0.16	-2.02/-7.12	-5.10/-3.02	-2.42/-3.47	-4.69/-6.56	-5.84/-0.88
Θ(75°)	1.98/-3.54	4.50/-1.47	0.62/-0.05	1.12/-3.27	1.78/-1.15	1.91/-2.41	1.00/-2.98	2.94/-1.33	1.24/-2.04	3.93/-2.50	-1.26/-0.60	1.99/-2.13	-2.60/-0.77	0.92/-0.65	-2.40/-1.01	0.75/-0.30	-1.46/-0.83	0.04/-0.18	1.36/-2.24	0.24/-2.51	-2.80/-2.91	-2.47/-2.66	-1.38/-1.06	-1.23/-0.62
Θ(82.5°)	2.21/-0.23	3.74/-0.43	-0.14/-0.71	-0.28/-2.21	1.94/-0.32	1.98/-1.81	-0.39/-2.69	2.16/-0.10	0.37/-1.52	3.64/-1.74	-1.75/-2.43	1.62/-1.38	-3.00/-0.79	0.33/-0.86	-2.31/-1.95	-0.33/-0.55	-3.28/-0.92	0.19/-0.25	2.92/-3.37	1.41/-1.57	-0.32/-3.85	-3.14/-4.04	-0.89/-0.55	-0.07/-0.33
Θ(90°)	0.33/-0.06	1.05/-1.15	-2.78/-2.44	-1.35/-0.08	0.85/-2.18	1.37/-0.78	-2.70/-1.19	0.88/-2.13	-0.80/-0.75	2.07/-0.96	-2.49/-3.52	-1.21/-0.74	-2.49/-2.56	0.17/-0.71	-3.79/-3.47	-0.85/-1.11	-5.73/-1.38	-0.36/-0.28	3.21/-3.41	1.14/-2.25	-0.05/-4.87	-6.03/-6.12	-2.11/-0.53	-1.27/-0.29
Θ(97.5°)	-1.97/-2.42	-1.86/-3.74	-4.96/-4.37	-2.78/-1.43	-1.09/-2.80	-8.98/-5.04	-0.99/-1.43	-2.01/-0.7	0.55/-0.58	-3.97/-4.52	-0.50/-1.58	-3.97/-2.83	-0.85/-1.58	-4.82/-5.46	-1.93/-3.05	-0.28/-2.75	-1.73/-0.60	1.12/-1.17	-1.31/-0.61	-1.42/-8.40	-9.53/-8.36	-3.74/-2.53	-2.73/-2.10	
Θ(105°)	-3.09/-3.29	-5.43/-4.54	-7.77/-6.93	-4.04/-2.87	-3.65/-4.80	-1.86/-5.85	-4.78/-1.33	-1.89/-6.09	-6.31/-1.94	-0.33/-1.95	-5.35/-5.51	-2.05/-1.45	-6.04/-4.88	-2.28/-3.19	-5.00/-7.17	-4.27/-3.39	-6.94/-9.15	-5.65/-4.20	-3.32/-3.32	-8.31/-3.35	-3.74/-8.72	-1.15/-9.51	-7.34/-3.88	-5.27/-4.51
Θ(112.5°)	-4.27/-6.02	-6.11/-9.42	-7.96/-9.49	-5.01/-4.66	-7.39/-5.88	-4.91/-8.02	-4.66/-3.31	-5.78/-7.07	-3.76/-2.42	-2.16/-3.20	-7.59/-7.98	-5.73/-2.89	-6.79/-5.92	-4.50/-6.14	-6.49/-6.46	-9.74/-7.09	-7.50/-11.94	-6.88/-6.88	-6.52/-6.26	-11.33/-8.16	-9.62/-10.27	-14.95/-11.20	-9.16/-8.50	-6.83/-6.49
Θ(120°)	-7.76/-6.87	-11.57/-11.17	-11.38/-9.41	-7.13/-9.31	-8.49/-7.94	-5.84/-8.62	-8.98/-5.04	-5.20/-7.30	-6.34/-3.92	-5.06/-6.17	-7.95/-12.79	-7.42/-5.64	-5.60/-8.38	-6.65/-7.12	-7.02/-8.78	-12.64/-7.00	-9.70/-15.19	-10.94/-14.18	-4.16/-2.61	-7.98/-7.32	-5.80/-11.52	-15.28/-11.01	-11.06/-8.64	-8.01/-6.48
Θ(127.5°)	-8.41/-14.80	-15.29/-15.45	-11.13/-11.39	-10.76/-11.53	-9.47/-7.01	-9.96/-8.45	-6.59/-6.52	-8.45/-8.39	-8.22/-6.89	-6.16/-7.51	-11.75/-13.14	-9.24/-6.93	-7.73/-10.26	-6.49/-8.34	-9.32/-10.37	-9.96/-11.39	-12.08/-13.94	-14.44/-14.04	-11.53/-6.39	-10.55/-11.78	-14.27/-15.66	-14.41/-15.43	-8.22/-10.74	-7.08/-7.48
Θ(135°)	-15.05/-15.22	-14.95/-12.62	-12.95/-13.40	-13.26/-12.90	-10.97/-9.88	-8.39/-11.18	-9.12/-7.79	-10.55/-11.54	-9.00/-9.11	-9.51/-11.15	-11.31/-13.71	-10.86/-11.71	-8.89/-10.06	-10.14/-9.23	-8.27/-10.97	-10.63/-15.57	-11.00/-11.72	-13.86/-12.01	-13.98/-13.62	-8.59/-15.59	-11.74/-13.02	-13.34/-14.58	-10.27/-12.37	-12.11/-15.35
Θ(142.5°)	-11.73/-12.33	-12.64/-13.64	-15.37/-13.43	-14.90/-13.11	-9.25/-11.19	-10.32/-10.54	-9.68/-10.33	-11.24/-12.52	-11.43/-11.51	-11.40/-12.88	-13.55/-13.07	-11.38/-11.01	-10.24/-12.18	-10.66/-15.89	-15.11/-13.39	-10.44/-10.68	-15.50/-10.82	-14.11/-14.38	-10.41/-9.71	-15.01/-11.23	-13.49/-12.34	-15.49/-12.34	-12.11/-16.18	
Θ(150°)	-14.76/-16.21	-13.12/-14.27	-15.06/-11.51	-13.34/-14.10	-11.85/-11.33	-14.23/-12.15	-12.61/-11.52	-12.43/-14.29	-14.65/-14.10	-13.13/-12.43	-11.71/-9.65	-10.76/-12.31	-13.59/-14.41	-12.99/-11.81	-12.10/-14.91	-15.03/-15.81	-15.94/-14.48	-13.55/-15.15	-15.10/-15.15	-15.73/-15.17	-15.01/-11.20	-15.49/-15.25	-14.62/-13.85	
Θ(157.5°)	-15.46/-14.81	-11.15/-11.94	-15.75/-14.93	-14.41/-14.10	-15.28/-15.05	-15.84/-14.58	-13.38/-13.90	-15.52/-14.48	-14.60/-15.13	-14.44/-12.97	-13.73/-13.21	-13.05/-12.42	-12.62/-14.15	-15.60/-14.38	-16.04/-15.07	-13.66/-14.46	-11.29/-13.69	-14.27/-15.19	-14.86/-14.65	-13.12/-15.24	-14.93/-15.39	-15.66/-14.43	-15.59/-14.30	-13.44/-14.96
Θ(165°)	-15.51/-12.30	-11.61/-15.12	-15.25/-13.13	-13.77/-15.44	-15.53/-12.98	-13.69/-13.51	-13.87/-14.32	-14.36/-15.57	-14.92/-15.86	-14.09/-13.20	-12.36/-11.63	-11.25/-12.27	-14.39/-15.77	-13.27/-12.92	-12.59/-12.52	-14.10/-13.35	-12.54/-14.00	-15.32/-13.40	-12.59/-11.49	-11.66/-13.69	-15.10/-15.32	-14.00/-15.31	-15.80/-15.50	-13.80/-14.46
Θ(172.5°)	-15.21/-14.86	-14.80/-15.18	-13.96/-14.16	-15.71/-14.86	-14.61/-15.38	-14.87/-15.30	-14.82/-14.08	-15.71/-14.47	-13.56/-15.18	-14.81/-15.98	-15.79/-15.84	-15.04/-15.57	-13.80/-12.92	-13.93/-15.17	-15.66/-15.44	-15.81/-15.33	-14.58/-15.50	-15.48/-12.77	-11.96/-11.90	-15.33/-15.52	-13.71/-13.72	-15.55/-15.82	-15.47/-15.51	-15.46/-15.68
Θ(180°)	-13.57/-14.74	-12.25/-15.47	-13.50/-13.12	-13.39/-13.11	-12.96/-14.15	-15.25/-15.16	-14.84/-14.26	-14.91/-15.19	-14.84/-14.64	-15.14/-15.61	-15.28/-15.97	-15.46/-15.55	-15.55/-15.98	-15.40/-16.10	-15.63/-14.62	-15.41/-15.83	-13.71/-13.00	-13.14/-14.47	-13.80/-15.09	-15.03/-13.84	-15.28/-15.31	-14.41/-14.36	-13.38/-13.61	-15.36/-14.12
Freq(Hz)	6.475GPol.	TotalAnt.2	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-
Gain	Φ(0°)Φ(7.5°)	Φ(15°)Φ(22.5°)	Φ(30°)Φ(37.5°)	Φ(45°)Φ(52.5°)	Φ(60°)Φ(67.5°)	Φ(75°)Φ(82.5°)	Φ(90°)Φ(97.5°)	Φ(105°)Φ(112.5°)	Φ(120°)Φ(127.5°)	Φ(135°)Φ(142.5°)	Φ(150°)Φ(157.5°)	Φ(165°)Φ(172.5°)	Φ(180°)Φ(187.5°)	Φ(195°)Φ(202.5°)	Φ(210°)Φ(217.5°)	Φ(225°)Φ(232.5°)	Φ(240°)Φ(247.5°)	Φ(255°)Φ(262.5°)	Φ(270°)Φ(277.5°)	Φ(285°)Φ(292.5°)	Φ(300°)Φ(307.5°)	Φ(315°)Φ(322.5°)	Φ(330°)Φ(337.5°)	Φ(345°)Φ(352.5°)
Θ(0°)	-5.18/-5.17	-4.94/-5.17	-4.66/-4.14	-4.12/-4.01	-3.78/-3.93	-4.10/-3.48	-2.90/-3.64	-4.02/-3.21	-3.86/-4.32	-3.86/-4.24	-4.56/-4.48	-4.67/-4.25	-4.80/-5.91	-6.08/-5.87	-5.55/-6.11	-6.06/-6.06	-5.25/-5.39	-4.18/-4.69	-4.97/-4.61	-4.73/-5.50	-4.48/-5.00	-5.39/-4.32	-4.93/-4.94	-4.59/-5.08
Θ(7.5°)	-4.31/-5.02	-5.19/-0.51	-5.02/-5.40	-5.68/-0.63	-6.53/-6.36	-6.10/-6.38	-6.01/-6.41	-6.00/-6.20	-5.53/-6.15	-5.34/-5.02	-5.91/-5.29	-5.25/-4.96	-4.39/-4.34	-4.18/-4.34	-3.93/-3.29	-2.51/-2.36	-2.56/-2.89	-3.33/-3.29	-3.14/-3.72	-4.15/-3.84	-4.53/-5.00	-4.61/-4.61	-4.78/-4.28	
Θ(15°)	-3.33/-3.23	-3.20/-2.94	-3.34/-3.86	-4.68/-5.96	-6.38/-6.74	-6.35/-6.17	-6.49/-6.11	-6.23/-7.80	-6.31/-6.37	-8.39/-9.26	-9.85/-10.84	-1.80/-6.51	-6.69/-5.55	-4.92/-4.44	-5.05/-3.24	-2.05/-1.67	-1.30/-1.27	-0.99/-1.20	-0.85/-0.83	-1.59/-2.31	-2.74/-3.47	-4.89/-5.29	-5.80/-5.05	-5.68/-4.58
Θ(22.5°)	-1.73/-0.97	-0.97/-1.57	-2.11/-2.09	-2.62/-2.33	-2.09/-2.64	-3.97/-5.50	-7.60/-9.24	-8.65/-7.37	-6.85/-7.18	-8.37/-12.62	-12.25/-11.49	-8.02/-5.97	-6.08/-5.49	-4.21/-3.23	-3.55/-3.74	-2.96/-2.06	-0.83/-0.66	0.97/-1.05	1.03/-0.42	0.54/-1.07	1.98/-2.84	3.12/-2.60	1.86/-0.81	-0.50/-1.49
Θ(30°)	0.06/-0.29	0.48/-0.31	-1.43/-1.95	-2.11/-1.30	-1.11/-1.06	-2.69/-4.20	-4.81/-5.43	-5.53/-4.32	-3.15/-2.93	-2.41/-3.56	-4.03/-6.45	-6.00/-3.31	-3.09/-1.83	-3.00/-3.62	-3.47/-3.46	-1.70/-0.78	1.59/-2.56	1.72/-0.36	0.52/-1.79	2.70/-2.55	3.15/-3.04	3.31/-2.11	0.75/-0.19	
Θ(37.5°)	-1.02/-2.13	-1.26/-0.80	-0.98/-0.62	-0.07/-1.75	-1.90/-5.04	-0.69/-1.00	2.02/-1.93	-1.84/-1.59	-0.86/-1.00	-0.44/-1.11	-1.46/-2.89	-7.68/-5.19	-2.47/-1.71	-2.97/-3.77	-1.30/-0.54	1.50/-1.2	0.49/-0.80	0.08/-1.68	2.67/-3.22	3.37/-3.34	2.07/-0.78	1.07/-1.13	0.98/-0.70	
Θ(45°)	0.78/-2.39	-4.72/-4.31	-4.12/-0.14	1.31/-0.50	-1.30/-0.27	-0.38/-0.36	0.03/-1.67	2.42/-2.39	1.98/-1.01	-0.99/-0.09	1.11/-1.71	0.35/-3.40	-2.93/-1.75	-0.81/-1.48	-1.89/-2.41	-1.19/-0.87	1.25/-2.04	-1.11/-1.63	1.58/-3.34	4.26/-4.81	4.10/-2.48	1.73/-1.59	1.64/-2.39	2.51/-2.75
Θ(52.5°)	2.05/-0.26	-2.82/-2.96	-2.78/-0.64	1.11/-0.54	-0.48/-0.81	1.68/-1.24	2.63/-1.45	4.36/-0.05	3.12/-2.37	1.49/-0.07	0.78/-1.60	2.19/-2.28	-0.69/-0.18	1.40/-0.01	-2.11/-0.67	-0.54/-0.82	1.05/-1.51	-1.36/-0.79	3.14/-4.45	4.33/-3.71	1.30/-1.00	0.80/-1.13	1.06/-2.56	3.03/-3.39
Θ(60°)	-1.17/-0.26	-1.85/-1.55	-0.49/-0.64	2.16/-0.20	-0.54/-1.70	1.90/-2.67	4.07/-5.19	4.24/-3.11	2.89/-3.15	2.72/-0.87	-1.54/-0.87	1.12/-2.10	1.47/-0.09	2.83/-1.97	-0.28/-0.61	0.32/-1.67	0.74/-0.43	-1.62/-0.04	1.76/-3.64	3.56/-2.68	0.54/-0.23	0.23/-0.22	-0.27/-1.37	1.12/-1.10
Θ(67.5°)	-0.13/-1.70	2.00/-1.44	0.60/-1.16	2.48/-0.92	-0.30/-1.04	3.34/-0.83	3.78/-4.73	3.42/-2.83	2.54/-2.57	3.12/-0.62	-0.26/-1.69	1.52/-2.93	2.64/-0.46	2.98/-3.16	-1.87/-1.60	0.71/-0.12	0.03/-1.62	-1.55/-1.40	-1.39/-1.01	-0.98/-2.71	-6.47/-2.45	-2.51/-3.00	-4.22/-5.67	-1.74/-4.74
Θ(75°)	2.70/-2.88	2.80/-0.06	0.43/-0.41	1.96/-1.54	-1.32																			



Antenna Pattern of Radio 3 6GHz (EUT 1)

Appendix Q

Θ(75°)	1.14/1.53	1.652/73	4.202/92	1.671/04	0.16/-0.16	-0.620/30	-0.45/-0.11	1.09/1.69	4.172/22	0.271/0.72	0.35/-0.04	1.03/1.85	0.10/-0.32	0.48/2.88	4.03/3.18	1.56/-0.55	0.96/-3.21	-2.89/1.32	2.84/2.29	-0.58/-0.76	-0.02/-1.42	-0.12/-3.42	-2.57/-1.80	-2.37/-0.22
Θ(82.5°)	1.13/0.98	0.96/1.81	3.37/1.88	1.53/0.26	-0.31/-1.01	-2.84/-0.04	-0.65/0.63	0.91/1.36	3.47/1.74	0.19/-0.64	-0.19/-1.12	1.12/1.59	-0.72/-1.17	-1.40/0.47	2.48/3.07	0.14/-0.97	0.23/-2.41	0.09/1.02	1.54/2.37	0.28/-1.24	-1.30/0.55	-1.86/-4.98	-4.25/-4.37	-4.65/-2.02
Θ(90°)	0.09/-0.13	0.73/0.60	1.86/1.40	0.58/-0.06	-0.99/-2.18	-0.40/-0.84	-0.99/-2.18	1.43/1.08	2.18/0.93	0.31/-1.12	-1.01/0.65	-0.43/0.42	-1.04/-1.87	-5.51/-1.33	-0.32/1.05	-2.50/-3.40	-0.12/-1.08	-0.21/-0.69	-0.86/1.91	-0.00/-1.38	-4.02/-1.50	-2.60/-6.35	-5.96/-2.75	
Θ(97.5°)	-0.62/-1.12	-0.80/-0.58	0.22/0.11	-0.22/-0.79	-1.39/-3.75	-4.54/-0.68	-1.80/0.81	0.37/0.53	1.21/0.74	-0.20/-1.49	-2.42/0.53	-1.36/-0.09	-1.13/-3.63	-8.93/-3.28	-2.36/-2.07	-7.49/-8.74	-0.77/-1.89	-3.55/-2.76	-2.62/-0.18	-2.30/-4.11	-6.26/-4.30	-4.52/-7.84	-8.73/-6.98	-6.04/-2.67
Θ(105°)	-1.66/-2.05	-1.31/-1.28	-0.75/-1.15	-0.60/-1.69	-3.75/-4.29	-7.04/-1.79	-2.63/-0.17	-0.80/-0.35	-0.77/-0.32	-1.12/-2.21	-3.61/-1.56	-2.55/0.08	-1.13/-4.02	-6.42/-5.16	-4.20/-2.23	-6.06/-10.78	-6.01/-5.22	-6.05/-8.21	-5.34/-5.13	-7.08/-7.75	-4.93/-8.60	-5.64/-7.44	-9.92/-9.17	-5.31/-3.07
Θ(112.5°)	-2.35/-3.45	-1.56/-2.09	-1.80/-2.50	-1.54/-1.44	-6.06/-5.97	-4.12/-2.40	-4.19/-1.75	-1.44/-1.10	-1.39/-2.99	-2.66/-4.17	-4.67/-4.39	-5.03/-1.94	-1.97/-2.64	-5.00/-6.00	-4.00/-2.66	-3.21/-4.90	-7.98/-7.1	-6.14/-6.55	-13.98/-5.88	-10.80/-5.25	-6.58/-6.21	-11.02/-8.31	-10.87/-12.46	-7.31/-2.75
Θ(120°)	-3.37/-4.97	-2.69/-3.36	-3.13/-3.62	-4.55/-4.10	-5.76/-7.05	-4.98/-5.22	-3.34/-1.87	-0.92/-2.47	-4.56/-3.60	-3.24/-4.94	-5.65/-7.13	-6.67/-5.30	-3.59/-5.40	-5.57/-8.08	-6.48/-6.21	-3.13/-5.48	-7.99/-7.29	-5.40/-8.27	-8.07/-7.87	-10.03/-10.21	-13.35/-8.68	-13.12/-11.62	-8.62/-11.30	-7.12/-2.29
Θ(127.5°)	-4.87/-5.11	-3.56/-4.46	-5.55/-6.53	-7.13/-5.60	-5.38/-5.71	-6.84/-5.49	-4.42/-3.98	-3.48/-1.81	-4.84/-2.82	-4.59/-4.91	-5.49/-6.58	-6.03/-11.06	-6.09/-5.71	-7.06/-8.42	-13.63/-14.54	-9.13/-5.20	-8.08/-9.73	-11.80/-8.93	-9.06/-14.10	-15.40/-16.01	-11.18/-8.43	-11.24/-8.30	-9.15/-9.24	-5.62/-1.40
Θ(135°)	-7.61/-5.47	-4.60/-6.50	-5.97/-6.53	-9.38/-6.85	-5.78/-6.54	-6.22/-6.08	-7.51/-5.06	-3.57/-3.31	-3.91/-6.18	-4.50/-5.41	-5.31/-7.23	-5.23/-5.34	-6.13/-7.04	-7.39/-7.71	-10.81/-15.46	-8.58/-8.62	-7.27/-5.13	-10.33/-7.23	-8.14/-11.70	-11.34/-15.48	-10.82/-10.14	-10.59/-7.79	-9.09/-7.51	-4.00/-4.75
Θ(142.5°)	-7.36/-9.32	-9.19/-8.23	-9.89/-10.60	-9.03/-9.16	-7.14/-6.15	-5.08/-6.39	-6.07/-7.96	-7.74/-6.59	-7.06/-7.30	-6.73/-8.03	-5.81/-5.12	-6.77/-9.37	-7.81/-6.72	-6.23/-7.08	-8.81/-10.16	-8.76/-12.07	-10.82/-9.01	-11.74/-15.45	-8.51/-12.22	-15.05/-9.85	-10.97/-13.19	-8.83/-8.56	-8.30/-6.72	-5.50/-5.36
Θ(150°)	-9.57/-10.48	-9.49/-9.89	-10.46/-11.48	-9.83/-8.37	-8.36/-7.01	-6.33/-5.61	-7.06/-6.33	-6.25/-6.84	-7.12/-7.21	-8.22/-10.39	-6.26/-5.82	-7.13/-10.13	-8.22/-10.39	-6.26/-5.82	-7.13/-10.13	-8.22/-10.39	-6.26/-5.82	-7.13/-10.13	-8.22/-10.39	-6.26/-5.82	-7.13/-10.13	-8.22/-10.39	-6.26/-5.82	-7.13/-10.13
Θ(157.5°)	-10.03/-11.64	-11.71/-11.57	-12.73/-13.29	-10.85/-8.83	-7.74/-8.14	-7.46/-8.40	-8.91/-10.27	-8.55/-7.99	-8.04/-8.71	-9.67/-7.42	-11.31/-9.40	-12.27/-8.62	-9.09/-11.21	-13.74/-15.77	-11.56/-11.87	-14.21/-15.23	-15.21/-14.17	-15.18/-13.45	-12.80/-11.19	-11.69/-11.09	-10.82/-8.41			
Θ(165°)	-12.13/-13.41	-12.17/-12.25	-11.36/-11.83	-11.18/-10.48	-10.58/-9.41	-9.46/-10.20	-8.36/-8.17	-7.45/-8.39	-8.22/-9.10	-8.60/-8.30	-7.62/-6.68	-8.56/-11.03	-10.08/-8.44	-7.62/-9.90	-14.03/-14.71	-13.03/-12.07	-13.06/-12.96	-12.58/-13.26	-10.22/-12.54	-12.49/-13.02	-14.58/-14.80	-14.74/-15.05	-14.65/-13.60	-13.98/-12.53
Θ(172.5°)	-12.64/-14.01	-14.06/-13.99	-13.01/-11.61	-12.56/-12.69	-12.19/-11.15	-11.25/-11.52	-11.41/-10.67	-10.07/-10.20	-9.00/-9.47	-11.11/-10.89	-11.02/-8.68	-10.39/-12.97	-12.85/-10.88	-10.59/-11.42	-9.44/-10.96	-10.22/-9.54	-9.62/-10.88	-12.42/-12.52	-12.66/-13.48	-12.93/-14.55	-13.87/-11.84	-10.65/-12.09	-12.96/-12.10	-11.94/-13.64
Θ(180°)	-9.63/-9.16	-9.20/-9.22	-8.52/-8.86	-8.62/-9.13	-9.49/-9.12	-9.92/-10.23	-9.78/-9.63	-9.74/-10.09	-10.36/-11.70	-12.40/-12.48	-13.27/-12.73	-12.96/-12.36	-11.94/-10.77	-12.01/-13.00	-13.28/-12.33	-12.59/-12.06	-11.74/-12.35	-11.93/-11.71	-12.12/-11.59	-11.18/-14.04	-11.91/-11.53	-10.94/-11.48	-11.41/-11.34	-9.96/-9.85
Freq(Hz)	6.475GPdL	TotalAnt 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)Φ(7.5°)	Φ(15°)Φ(22.5°)	Φ(30°)Φ(37.5°)	Φ(45°)Φ(52.5°)	Φ(60°)Φ(67.5°)	Φ(75°)Φ(82.5°)	Φ(90°)Φ(97.5°)	Φ(105°)Φ(112.5°)	Φ(120°)Φ(127.5°)	Φ(135°)Φ(142.5°)	Φ(150°)Φ(157.5°)	Φ(165°)Φ(172.5°)	Φ(180°)Φ(187.5°)	Φ(195°)Φ(202.5°)	Φ(210°)Φ(217.5°)	Φ(225°)Φ(232.5°)	Φ(240°)Φ(247.5°)	Φ(255°)Φ(262.5°)	Φ(270°)Φ(277.5°)	Φ(285°)Φ(292.5°)	Φ(300°)Φ(307.5°)	Φ(315°)Φ(322.5°)	Φ(330°)Φ(337.5°)	Φ(345°)Φ(352.5°)
Θ(0°)	-0.85/-1.21	-1.39/-1.36	-1.31/-1.31	-1.80/-1.86	-1.90/-1.80	-1.74/-2.02	-2.05/-1.77	-2.38/-2.13	-1.73/-2.29	-2.39/-1.92	-1.64/-1.50	-1.62/-1.74	-2.13/-1.22	-2.71/-1.78	-1.80/-1.60	-1.34/-1.56	-1.39/-1.89	-1.10/-1.33	-1.38/-0.99	-1.01/-1.06	-0.47/-0.44	-0.79/-0.90	-0.76/-0.56	-0.45/-0.63
Θ(7.5°)	-1.54/-1.61	-1.90/-2.03	-1.54/-1.31	-1.58/-1.72	-1.51/-1.11	-1.29/-1.03	-0.76/-1.22	-0.53/-0.42	-0.49/-0.55	-0.37/-0.69	-0.96/-1.24	-1.75/-1.68	-1.77/-2.25	-2.58/-1.86	-1.41/-1.97	-2.46/-1.30	-2.04/-1.67	-1.89/-2.18	-2.24/-1.99	-1.63/-1.92	-2.72/-1.90	-2.01/-2.24	-2.23/-2.71	-1.76/-1.85
Θ(15°)	-5.43/-4.92	-4.98/-5.57	-4.74/-4.55	-4.48/-4.35	-3.94/-3.33	-2.50/-2.77	-1.69/-1.48	-1.39/-0.74	-1.43/-0.66	0.04/-0.17	-0.31/-0.29	-1.04/-2.03	-3.43/-4.84	-5.66/-5.68	-4.74/-6.28	-5.10/-3.86	-3.38/-3.47	-3.12/-2.56	-1.62/-1.48	-0.79/-0.75	-1.40/-2.48	-2.73/-5.47	-6.73/-7.14	-6.14/-5.99
Θ(22.5°)	-4.65/-4.54	-4.35/-6.44	-5.50/-5.32	-5.57/-5.23	-4.98/-0.48	-2.50/-2.67	-1.32/-0.38	0.17/1.73	1.06/1.71	2.43/1.46	0.38/-0.13	-1.00/-3.43	-5.79/-3.74	-5.89/-4.83	-4.29/-3.44	-3.00/-3.14	-2.85/-3.76	-3.39/-2.73	-2.49/-2.13	-1.64/-1.47	-1.79/-2.23	-2.27/-2.90	-3.36/-4.88	-5.43/-5.57
Θ(30°)	-3.50/-3.10	-2.28/-1.93	-1.27/-1.37	-2.07/-3.48	-4.81/-5.79	-4.78/-3.11	-2.05/-0.31	0.74/1.06	0.85/1.75	2.25/2.32	1.84/1.13	-0.06/-2.82	-5.68/-5.46	-5.63/-6.81	-5.30/-3.66	-2.61/-2.83	-3.97/-4.03	-4.65/-3.28	-1.65/-1.80	-2.41/-2.42	-2.17/-1.11	-0.70/-1.26	-3.08/-4.12	-4.74/-4.43
Θ(37.5°)	-0.71/2.51	1.37/1.08	0.99/0.60	-0.11/-1.13	-2.25/-3.66	-4.53/-3.92	-2.90/-3.15	1.20/1.80	2.45/1.06	1.76/0.97	0.29/0.31	-1.33/-2.46	-1.58/-1.89	-2.68/-3.03	-3.82/-3.07	-2.60/-1.70	-3.04/-5.62	-6.77/-7.29	-5.02/-3.74	-1.65/-0.84	-0.14/-0.08	0.01/-1.93	-2.92/-2.38	-0.46/-0.08
Θ(45°)	2.09/2.66	2.99/3.17	2.97/2.19	1.23/0.66	0.12/-0.90	-1.23/-1.27	-1.17/0.11	1.49/1.72	2.10/2.10	1.02/1.30	-0.16/-0.88	0.65/-1.45	0.65/-0.59	-1.82/-2.49	-2.77/-0.84	-0.15/-1.14	-1.31/-3.17	-1.58/-2.33	-2.60/-2.75	-2.84/-0.97	0.88/1.07	-0.49/-2.40	0.00/1.02	2.28/2.40
Θ(52.5°)	2.25/3.05	2.52/3.70	4.42/3.13	1.08/0.30	-0.27/-1.81	-1.91/-0.39	-0.48/0.73	1.93/3.58	3.06/2.82	2.00/0.60	0.41/0.88	1.62/1.33	0.69/0.97	0.89/-0.93	-0.99/-0.43	0.43/0.39	0.71/0.42	-0.04/-0.54	0.01/-0.55	-1.65/-1.45	1.05/-1.49	-1.07/-2.09	0.87/2.19	2.50/-1.91
Θ(60°)	1.70/1.61	0.62/0.98	3.73/3.00	1.43/0.54	-0.34/-1.48	-1.54/-1.87	-0.56/0.75	1.20/2.36	3.81/3.17	2.66/0.28	2.34/0.28	0.26/0.53	0.73/0.42	1.43/1.33	-1.19/-1.23	0.43/0.25	1.47/1.59	-0.77/-1.61	0.64/0.22	-0.07/-0.22	0.51/1.21	-0.77/-1.70	0.03/1.79	1.27/1.02
Θ(67.5°)	0.27/0.65	1.00/2.34	3.19/2.71	2.11/0.27	-0.84/-2.27	-3.67/-1.95	-0.49/0.57	2.17/2.24	3.54/3.69	2.59/-0.24	1.90/-0.89	0.24/-0.04	-0.04/0.10	1.70/0.68	0.29/-0.21	1.37/1.43	-0.20/-1.36	-2.29/-1.22	0.64/-0.65	-1.78/-0.88	-0.50/-1.34	-1.83/-0.55	-1.28/0.03	0.34/0.98
Θ(75°)	-0.92/0.41	0.09/1.75	2.15/3.08	1.92/1.20	-0.37/-3.92	-4.73/-2.78	-0.19/-1.23	3.50/2.80	3.06/2.86	1.82/-1.35	0.76/-1.26	0.82/0.71	-0.40/-0.70	-0.30/0.42	0.96/-0.04	0.18/-1.34	1.20/-2.45	-3.93/-0.54	1.36/-0.74	-1.95/-3.04	-0.81/0.69	-2.32/-1.48	-2.51/-2.06	-0.59/0.36
Θ(82.5°)	-1.43/-0.16	0.00/1.55	1.74/2.64	2.01/0.79	-1.11/-1.44	-6.03/-5.18	-2.08/-0.46	3.46/2.97	2.59/3.25	0.75/-2.28	-1.52/0.19	1.50/0.81	-0.36/-1.31	-1.65/0.94	1.89/0.50	-3.23/-2.93	0.66/-4.14	-4.35/0.31	1.75/0.03	-1.32/-3.37	-1.58/-1.09	-3.07/-1.98	-5.08/-4.29	-2.47/-0.06
Θ(90°)	-1.61/-0.54	-0.43/-1.42	1.39/2.04	1.66/-0.14	-2.19/-5.25	-7.29/-5.21	-2.24/-0.97	1.38/2.64	1.73/1.59	0.08/-2.30	-2.00/-0.59	1.35/0.55	-0.20/-2.27	-4.87/-0.77	1.85/0.22	-8.04/-4.91	0.43/-0.52	-1.91/-1.47	0.08/0.01	-1.92/-3.07	-3.58/-2.96	-4.27/-3.16	-7.31/-8.27	-4.74/-1.28
Θ(97.5°)	-0.84/-0.57	-0.29/0.58	1.36/1.17	0.70/-1.18	-3.94/-0.65	-6.96/-5.52	-2.37/-1.72	0.21/1.49	0.27/0.68	-0.94/-2.69	-2.92/-0.29	0.34/-0.56	-1.50/-4.40	-7.08/-3.48	-0.03/-1.03	-12.02/-6.41	-0.23/-1.08	-2.11/-4.10	-2.84/-4.27	-3.93/-4.77	-7.03/-4.29	-5.86/-5.34	-9.44/-9.98	-6.33/-2.19
Θ(105°)	-0.97/-0.79	-1.01/-0.18	-0.42/-0.20	-0.42/-0.27	-4.50/-5.63	-4.52/-2.73	-0.29/0.33	-0.54/-1.02	-0.74/-2.88	-4.53/-3.85	-3.05/-1.15	-2.42/-6.30	-6.93/-7.68	-2.49/-2.39	-6.13/-6.79	-4.01/-5.52	-9.25/-9.81	-8.82/-7.13	-5.04/-9.28	-8.85/-7.24	-8.04/-8.67	-7.65/-10.92	-5.89/-2.27	
Θ(112.5°)	-2.55/-1.65	-2.37/-1.09	-1.51/-2.24	-2.49/-3.27	-4.73/-8.00	-7.36/-6.76	-2.50/-2.85	-1.35/-2.23	-2.60/-1.93	-2.27/-3.41	-5.87/-4.77	-5.63/-2.55	-5.17/-5.80	-5.40/-9.68	-6.26/-3.79	-5.97/-6.33	-2.92/-11.30	-12.63/-7.60	-15.26/-5.17	-9.77/-9.51	-5.97/-11.69	-8.67/-11.95	-9.29/-10.93	-5.78/-3.04
Θ(120°)	-3.25/-3.59	-3.07/-3.07	-2.66/-3.56	-3.80/-5.35	-6.26/-7.08	-11.34/-7.32	-3.49/-8.43	-2.94/-6.28	-3.24/-6.26	-4.38/-4.85	-5.44/-10.23	-10.27/-4.71	-5.93/-5.55	-9.48/-10.95	-8.35/-8.46	-6.52/-6.12	-6.81/-13.7	-10.98/-7.56	-6.39/-3.72	-10.14/-11.49	-7.38/-15.77	-10.15/-8.72	-10.40/-9.01	-6.83/-1.57
Θ(127.5°)	-3.98/-3.74	-4.25/-4.10	-4.78/-5.11	-5.31/-6.34	-8.59/-9.23	-7.70/-5.09	-5.35/-4.96	-3.85/-4.19	-1.13/-5.28	-6.35/-6.66	-5.64/-8.39	-12.27/-12.35	-8.93/-6.27	-9.13/-8.94	-12.71/-11.98									

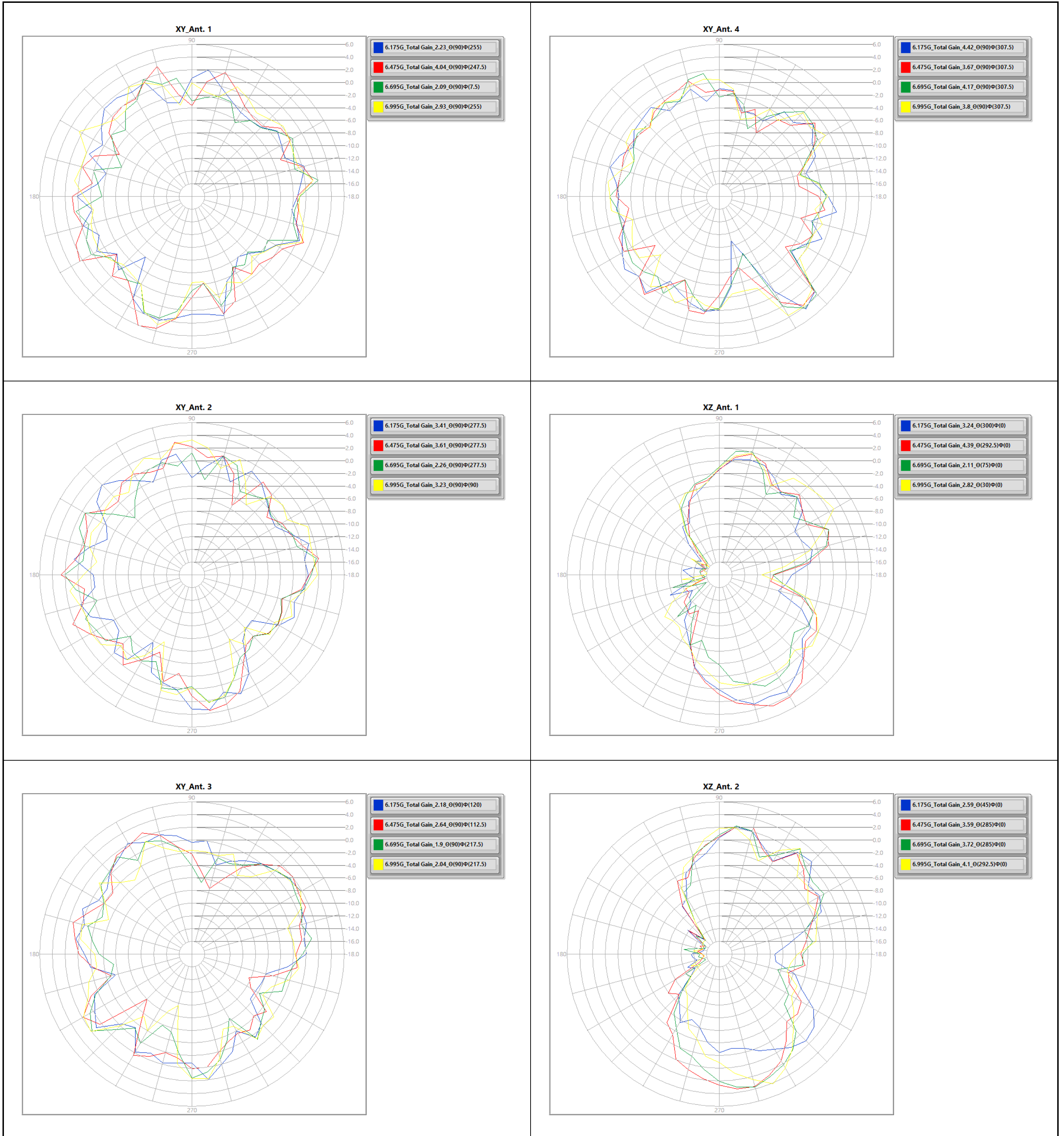


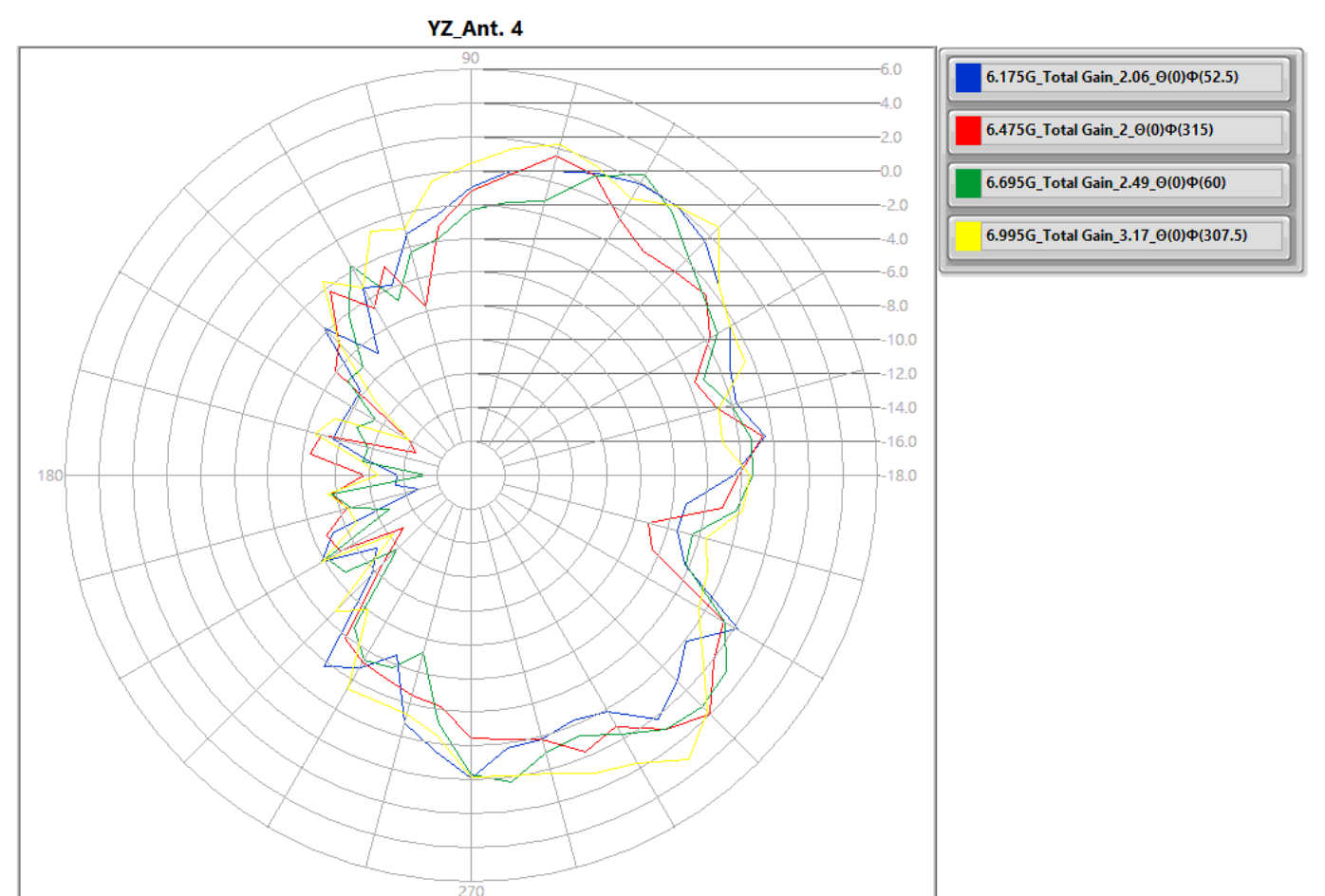
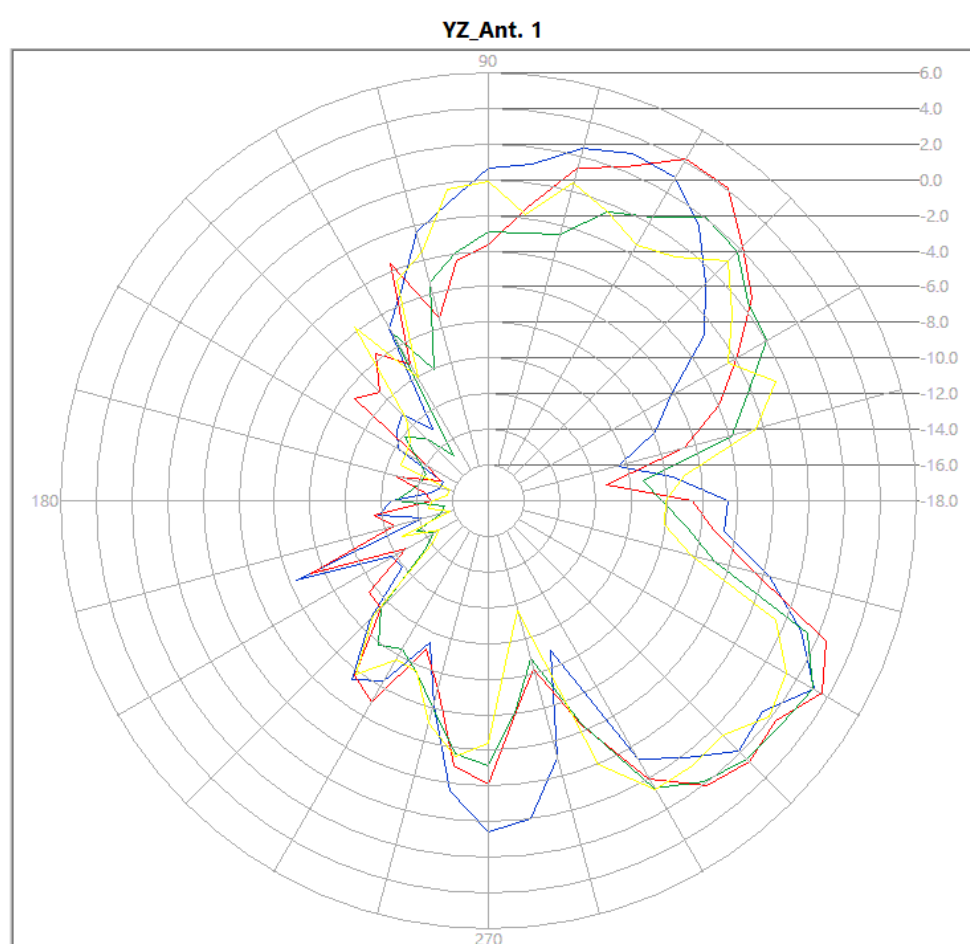
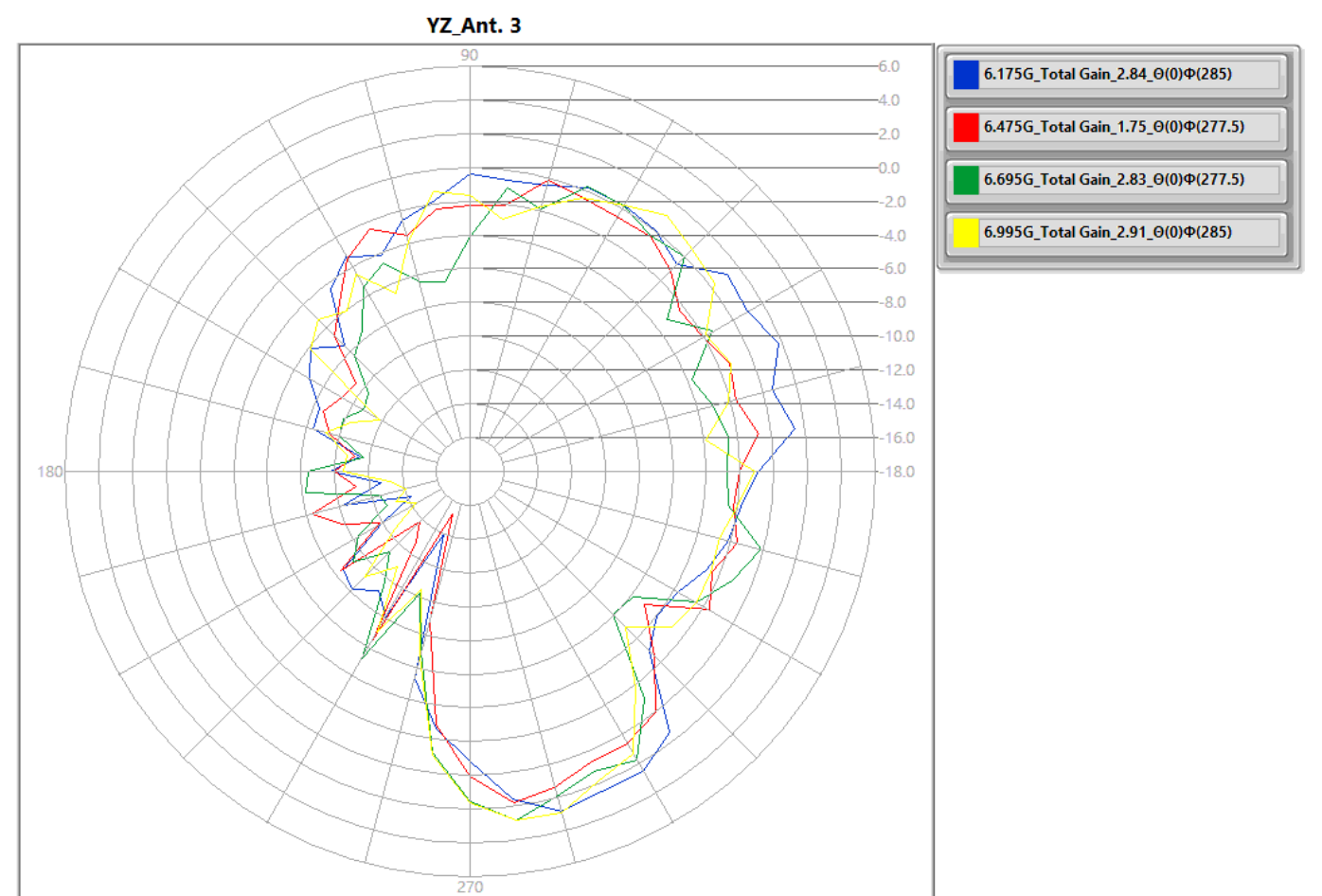
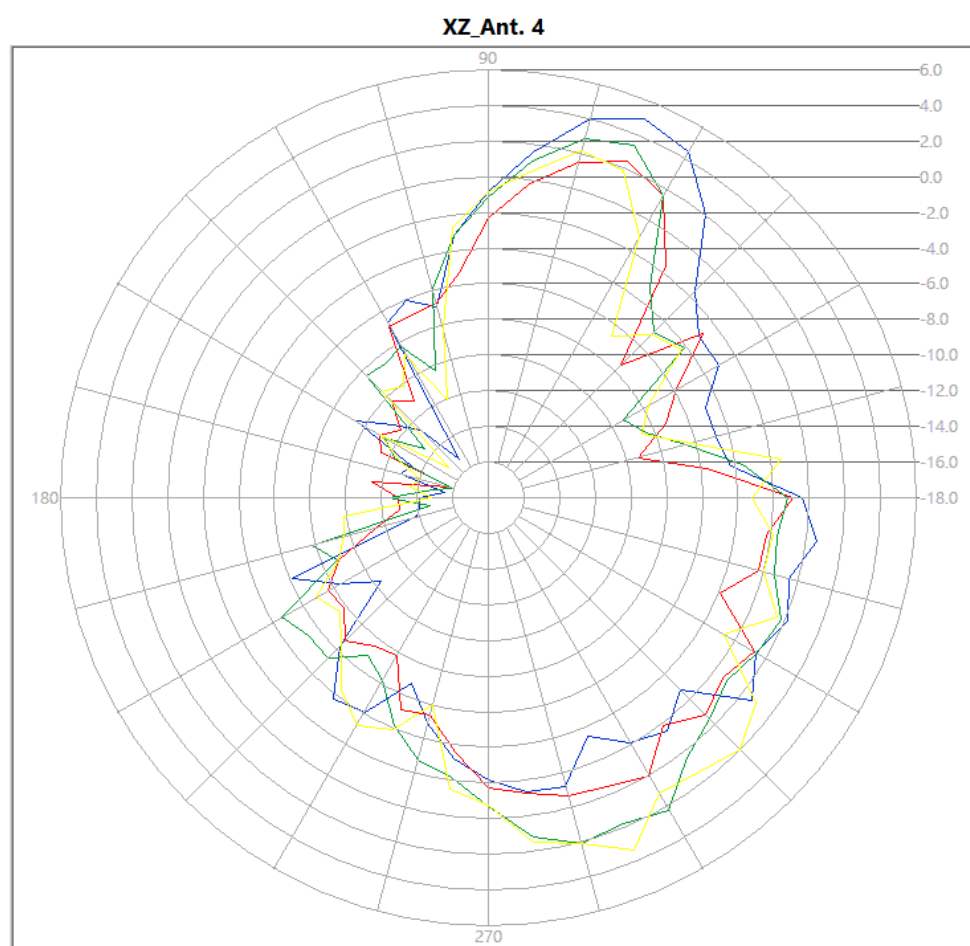
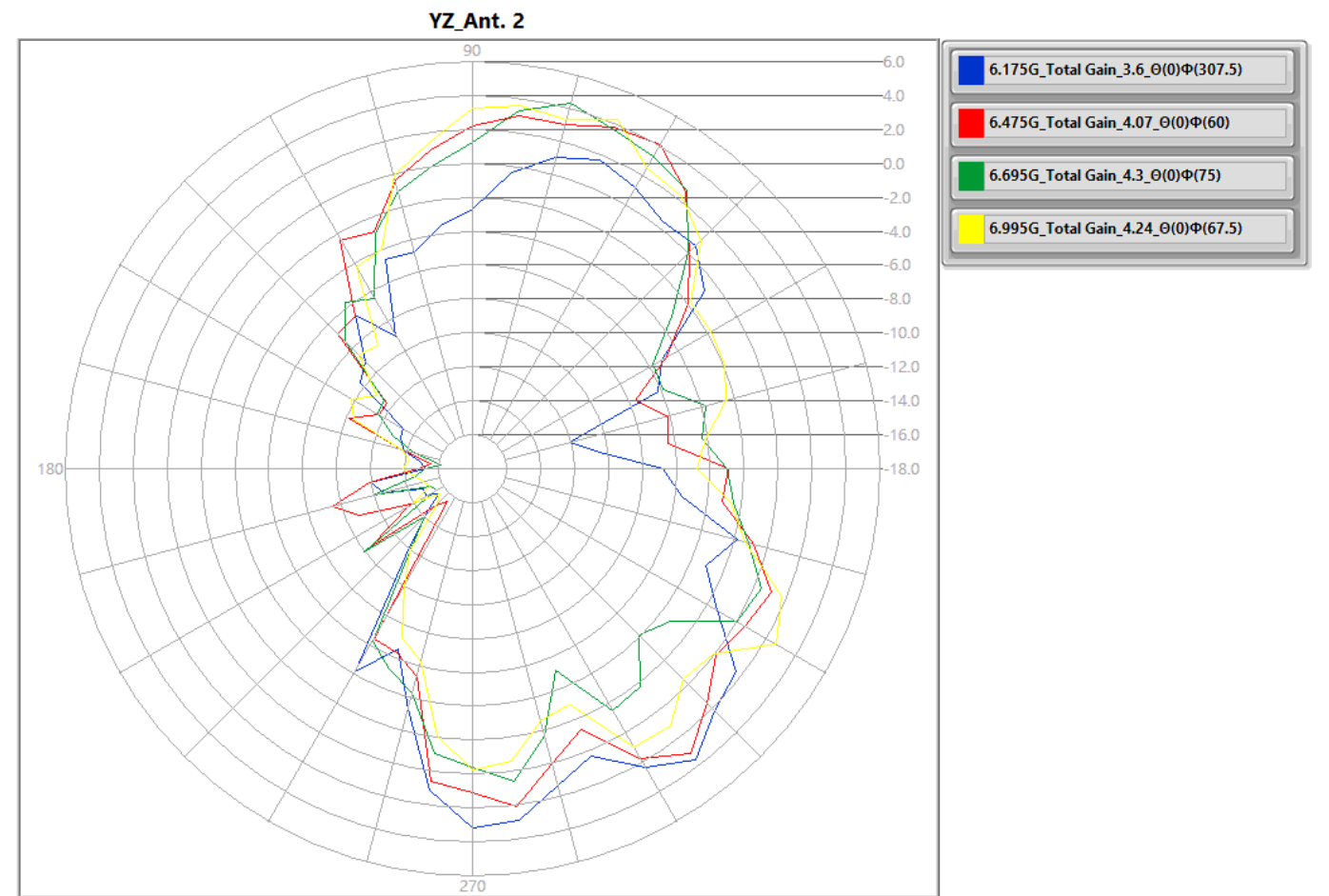
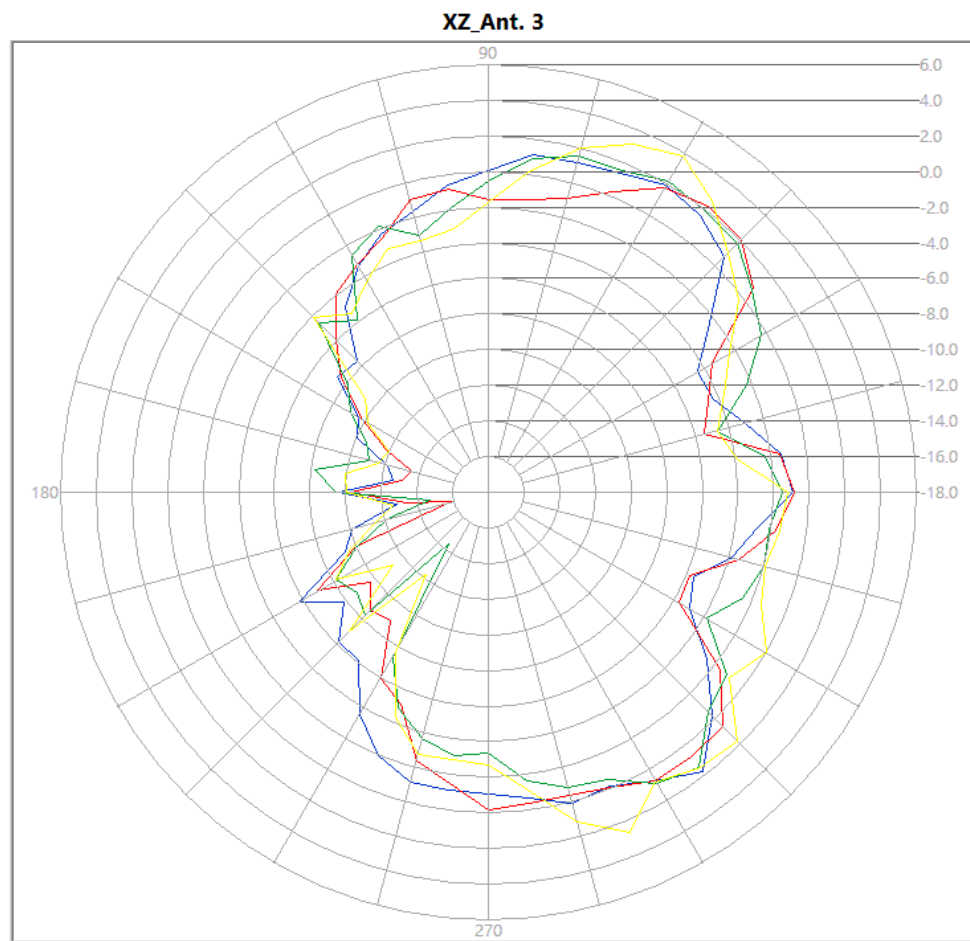
Antenna Pattern of Radio 3 6GHz (EUT 1)

Appendix Q

θ(120°)	-6.70/-7.42	-8.28/-8.46	-8.92/-9.85	-12.96/-12.31	-13.40/-8.75	-10.52/-5.10	-5.24/-4.97	-4.51/-5.56	-5.86/-4.38	-3.90/-4.14	-3.26/-4.04	-4.25/-2.64	-4.13/-5.69	-5.77/-7.56	-4.53/-4.26	-8.83/-3.26	-4.70/-7.90	-8.14/-4.80	-4.89/-7.10	-11.02/-8.75	-4.91/-6.32	-3.16/-6.67	-8.63/-7.52	-11.02/-8.91
θ(127.5°)	-15.31/-7.05	-9.84/-12.38	-11.16/-14.35	-13.14/-13.57	-8.73/-8.87	-9.34/-8.00	-8.94/-7.48	-6.82/-6.40	-7.24/-5.98	-4.75/-5.27	-4.12/-3.39	-4.63/-4.41	-3.77/-4.49	-7.68/-6.81	-7.44/-6.63	-4.12/-4.94	-8.20/-8.07	-13.98/-7.52	-3.75/-6.02	-14.16/-13.35	-7.37/-12.34	-12.63/-10.03	-6.79/-8.64	-12.93/-9.75
θ(135°)	-12.62/-11.15	-10.80/-15.17	-9.83/-13.50	-12.77/-10.20	-9.95/-9.91	-6.44/-5.82	-5.70/-5.55	-6.39/-8.15	-6.63/-5.94	-4.79/-5.15	-5.31/-4.42	-4.54/-5.29	-6.23/-8.80	-9.50/-6.10	-8.30/-4.57	-3.25/-10.49	-11.82/-7.70	-10.19/-10.26	-9.72/-8.10	-13.45/-14.93	-11.14/-11.38	-14.83/-12.99	-15.74/-8.97	-9.88/-7.03
θ(142.5°)	-11.30/-14.54	-15.04/-15.61	-12.75/-12.99	-9.50/-12.80	-10.60/-12.85	-9.79/-11.77	-9.78/-9.03	-7.22/-6.57	-9.02/-7.65	-7.50/-7.54	-6.90/-6.08	-6.51/-6.50	-10.37/-7.89	-8.79/-6.90	-5.90/-8.66	-9.05/-11.85	-10.22/-9.23	-9.13/-15.34	-10.98/-8.70	-12.19/-11.03	-8.69/-10.96	-9.88/-13.75	-9.64/-10.85	-13.10/-9.40
θ(150°)	-9.41/-10.92	-14.69/-13.64	-12.80/-11.27	-14.61/-13.63	-10.37/-8.90	-13.78/-11.90	-9.85/-8.51	-8.81/-8.76	-7.49/-6.68	-7.42/-6.60	-6.20/-4.94	-6.06/-7.33	-8.36/-8.88	-8.06/-9.86	-12.89/-10.82	-11.01/-12.70	-12.77/-11.40	-7.31/-8.87	-7.79/-9.16	-14.26/-13.78	-10.62/-11.37	-13.69/-14.18	-15.64/-11.27	-7.67/-9.59
θ(157.5°)	-13.32/-12.31	-13.55/-14.04	-11.64/-12.87	-12.34/-12.78	-13.67/-13.75	-14.59/-10.10	-9.75/-12.73	-12.77/-10.02	-7.17/-9.96	-7.39/-6.97	-6.60/-6.85	-6.42/-5.76	-6.08/-6.66	-8.35/-11.05	-11.35/-14.25	-12.46/-11.47	-8.26/-7.68	-8.09/-9.83	-9.15/-10.43	-13.55/-13.49	-13.29/-16.33	-15.09/-14.82	-15.95/-15.59	-14.72/-15.79
θ(165°)	-12.93/-14.25	-13.82/-11.67	-10.09/-11.24	-11.08/-10.41	-10.52/-10.31	-10.26/-9.90	-9.57/-9.85	-8.99/-7.62	-7.51/-7.18	-7.11/-9.15	-10.47/-8.69	-10.94/-12.62	-13.85/-11.36	-11.53/-12.01	-10.06/-8.77	-8.15/-10.34	-14.29/-14.01	-12.83/-13.93	-14.75/-15.56	-15.84/-15.54	-13.05/-12.15	-14.52/-9.81	-9.10/-12.56	-13.88/-11.98
θ(172.5°)	-15.56/-12.31	-11.83/-11.80	-11.97/-12.14	-12.14/-14.38	-12.23/-11.61	-12.97/-13.51	-11.96/-11.16	-10.79/-9.52	-8.87/-8.31	-9.88/-10.77	-8.06/-8.44	-9.38/-11.93	-14.10/-15.78	-15.04/-15.30	-15.42/-15.21	-14.97/-13.82	-11.76/-11.03	-10.55/-11.10	-13.52/-15.17	-15.17/-15.15	-14.89/-14.64	-14.78/-13.73	-12.89/-13.25	-12.89/-11.94
θ(180°)	-14.12/-15.60	-15.39/-14.64	-15.44/-15.20	-14.15/-14.34	-14.44/-13.69	-13.50/-13.95	-13.88/-13.03	-11.57/-10.19	-10.41/-10.98	-11.18/-10.66	-10.67/-11.58	-10.51/-10.21	-10.42/-11.14	-11.09/-11.52	-11.91/-12.52	-12.79/-12.83	-12.79/-13.38	-13.45/-13.14	-14.42/-13.30	-12.40/-11.02	-11.49/-13.37	-14.87/-14.89	-15.94/-14.19	-14.78/-15.44
Freq(Hz)	6.475GPol.	TotalAnt.4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
θ(0°)	-0.88/-1.19	-1.59/-1.67	-1.58/-1.29	-1.29/-1.63	-1.74/-1.70	-1.94/-1.80	-2.14/-2.42	-2.72/-2.65	-3.57/-3.57	-3.34/-1.14	-4.20/-3.95	-4.23/-4.40	-4.10/-4.33	-4.95/-4.50	-3.87/-3.50	-3.25/-3.30	-2.99/-2.88	-2.71/-1.84	-0.82/-1.12	-1.59/-1.05	-0.51/-0.83	-0.65/-0.77	-0.96/-0.76	-0.97/-1.13
θ(7.5°)	-5.66/-5.57	-4.96/-5.22	-4.70/-3.97	-3.51/-3.10	-2.55/-1.90	-1.71/-1.09	-0.60/-0.42	0.07/-0.33	-0.88/-0.47	-0.59/-1.34	-1.29/-1.63	-1.60/-2.09	-2.28/-2.82	-3.03/-2.96	-3.05/-3.43	-3.20/-2.79	-2.79/-3.10	-3.29/-3.16	-2.99/-3.71	-4.53/-5.33	-4.96/-4.54	-5.89/-6.30	-5.47/-6.38	-5.67/-5.46
θ(15°)	-9.28/-7.45	-6.06/-5.40	-5.49/-5.52	-4.78/-4.52	-4.57/-4.54	-4.82/-3.93	-2.92/-1.80	-0.81/-1.12	-1.09/-1.89	-3.33/-3.99	-4.01/-4.29	-3.74/-2.53	-2.29/-1.32	-0.72/-1.18	-1.50/-1.41	-1.84/-2.42	-3.31/-3.71	-4.73/-6.04	-7.17/-6.79	-5.91/-4.99	-4.88/-5.42	-5.59/-6.13	-6.42/-7.30	-8.17/-9.01
θ(22.5°)	-7.19/-6.48	-4.09/-3.09	-2.76/-2.35	-2.12/-1.64	-1.72/-2.14	-3.35/-4.25	-3.66/-1.99	-0.210.70	0.760.45	0.330.54	0.14/-0.71	-1.38/-2.16	-3.94/-3.17	-1.58/-0.76	0.290.31	0.11/-0.72	-1.03/-1.15	-2.19/-4.76	-6.45/-5.08	-3.43/-3.81	-4.52/-5.22	-5.15/-6.66	-6.63/-8.85	-8.37/-7.78
θ(30°)	-5.85/-5.63	-4.34/-3.01	-2.43/-1.46	-0.67/-0.82	-1.52/-2.62	-1.93/-1.84	-1.72/-0.76	0.55/-1.10	0.560.61	1.01/-1.19	0.830.60	0.200.00	-0.72/-0.90	-1.92/-2.75	-0.810.29	-0.10/-1.99	-2.18/-0.56	-0.26/-0.57	-0.79/-0.73	-1.03/-1.72	-2.14/-3.23	-4.18/-5.71	-7.33/-6.80	-6.69/-5.80
θ(37.5°)	-2.84/-4.38	-4.16/-3.73	-2.53/-1.20	-2.24/-1.24	-1.30/-0.65	1.440.61	-0.500.45	0.970.47	0.791.79	1.83/-1.56	1.19/-1.09	-0.08/-0.85	-1.45/-2.26	-0.05/-0.15	0.06/-0.24	-0.43/-0.90	-1.71/-0.54	1.070.64	0.120.21	-0.85/-1.12	-0.56/-1.48	-3.21/-5.56	-6.05/-3.23	-1.91/-3.52
θ(45°)	-7.53/-4.77	-2.71/-0.39	-0.040.73	-0.03/-0.37	-0.02/-1.17	2.63/-1.27	-0.98/-0.19	1.500.95	1.693.24	3.392.77	2.050.37	-0.36/-1.28	-0.72/-0.21	0.55/-1.79	1.71/-1.64	1.18/-0.19	0.13/-0.22	0.93/-0.11	2.00/-1.15	-0.70/-1.48	-1.64/-2.65	-3.90/-2.57	-1.82/-2.33	-2.24/-3.19
θ(52.5°)	-1.64/-0.78	1.613.80	3.983.05	2.412.26	1.95/-1.41	1.120.27	-1.29/-0.31	1.380.36	2.894.73	4.553.87	3.372.24	0.63/-1.05	-1.88/-0.13	0.60/-1.33	2.423.27	3.10/-1.24	0.67/-0.11	0.08/-1.09	0.890.27	0.070.47	2.28/-1.76	0.66/-0.57	-1.09/-1.91	-3.83/-3.44
θ(60°)	1.57/-1.55	1.193.63	4.934.52	3.193.62	2.801.92	-0.550.15	-0.86/-0.06	0.67/-0.24	2.584.69	4.232.69	2.252.08	0.64/-0.07	0.03/-0.71	0.09/-1.29	1.912.79	3.773.21	2.090.23	-1.71/-1.16	-0.84/-1.05	1.090.86	1.80/-1.72	2.642.96	-0.58/-4.13	-2.75/-1.26
θ(67.5°)	2.412.51	0.56/-1.92	4.46/-4.52	2.452.71	1.19/-1.26	-2.890.27	1.140.82	0.59/-0.49	2.343.66	2.582.00	1.78/-1.38	0.74/-0.26	-0.490.05	-0.29/-1.30	1.31/-1.63	3.783.85	0.59/-2.01	-1.440.02	-0.34/-3.19	-0.57/-0.30	2.15/-1.26	3.042.44	0.06/-1.08	0.31/-1.91
θ(75°)	1.47/-1.42	-0.030.44	3.083.80	1.57/-1.44	-0.97/-0.39	-3.180.71	1.570.23	2.020.47	1.082.04	1.030.77	0.98/-1.14	0.52/-1.36	-0.73/-0.15	-0.27/-0.40	0.900.26	2.123.16	0.72/-2.68	-1.280.56	-1.87/-4.13	-1.53/-0.38	2.75/-2.07	2.86/-1.31	0.260.31	0.73/-1.59
θ(82.5°)	-0.25/-1.77	-2.15/-1.43	1.072.75	0.01/-1.16	-3.38/-1.80	-2.77/-0.56	-0.09/-0.72	1.62/-0.01	0.410.01	-0.76/-0.52	0.380.10	-0.42/-0.71	-1.27/-1.22	-1.11/-0.88	0.68/-2.34	1.352.22	-1.51/-4.52	0.47/-1.38	-2.23/-5.07	-2.85/-1.03	2.633.55	3.32/-1.93	-1.35/-0.12	-1.300.55
θ(90°)	-2.32/-5.35	-5.28/-2.71	-0.59/-1.05	-2.09/-2.77	-6.38/-3.15	-4.37/-1.28	-1.24/-1.44	0.83/-0.18	-0.66/-1.15	-2.46/-2.04	-1.72/-1.70	-2.05/-1.99	-1.76/-3.61	-2.59/-0.87	-0.68/-5.25	-0.18/-1.44	-1.82/-3.79	0.580.64	-2.47/-5.22	-6.49/-3.46	1.333.67	3.24/-3.95	-3.14/-1.96	-4.71/-1.21
θ(97.5°)	-5.25/-6.30	-6.66/-3.18	-2.23/-1.37	-4.04/-4.59	-10.25/-4.83	-4.65/-2.54	-3.19/-1.62	-0.11/-1.53	-1.88/-2.30	-3.91/-3.03	-3.22/-2.52	-3.50/-2.53	-3.60/-4.12	-4.43/-1.76	-0.85/-7.14	-0.160.69	-3.12/-3.98	-1.25/-5.92	-4.19/-5.69	-11.33/-7.82	-2.38/-1.29	-0.04/-8.12	-5.49/-5.21	-5.82/-3.71
θ(105°)	-6.72/-7.85	-5.48/-4.78	-2.29/-2.72	-7.22/-5.62	-9.90/-7.05	-6.48/-5.41	-7.72/-3.94	-0.41/-1.86	-4.18/-3.55	-3.16/-3.66	-4.69/-3.25	-4.56/-5.94	-5.42/-4.83	-3.01/-1.55	-2.92/-7.01	-1.56/-0.36	-2.55/-6.31	-4.53/-7.15	-14.08/-5.75	-5.85/-8.58	-12.58/-7.44	-6.87/-12.20	-10.86/-10.90	-6.68/-8.21
θ(112.5°)	-6.91/-9.06	-7.37/-1.53	-4.48/-6.89	-10.72/-12.51	-10.69/-10.69	-7.31/-4.79	-4.64/-3.13	-1.47/-4.29	-4.58/-3.45	-5.20/-5.34	-5.49/-4.50	-5.18/-7.00	-5.16/-4.48	-2.86/-3.97	-4.22/-5.18	-4.00/-2.91	-3.72/-10.39	-4.61/-4.70	-4.97/-7.91	-8.45/-12.00	-10.23/-5.70	-3.62/-5.44	-6.84/-7.94	-9.45/-10.50
θ(120°)	-6.89/-6.64	-7.41/-9.69	-9.05/-14.57	-14.98/-15.06	-13.47/-10.78	-7.68/-4.89	-6.63/-4.76	-4.72/-4.34	-5.31/-5.37	-5.80/-8.64	-5.76/-6.08	-6.88/-8.24	-7.79/-6.68	-3.50/-6.03	-7.06/-4.86	-8.21/-5.94	-3.18/-7.70	-7.55/-4.97	-5.25/-6.96	-12.49/-13.13	-2.86/-5.49	-2.50/-8.91	-7.69/-7.24	-9.28/-9.53
θ(127.5°)	-11.14/-7.90	-11.70/-11.18	-14.75/-15.62	-12.73/-12.56	-11.91/-7.85	-6.11/-4.06	-4.31/-5.03	-5.32/-4.60	-5.19/-5.51	-6.28/-6.97	-6.32/-7.53	-8.28/-5.63	-7.51/-7.11	-3.58/-7.24	-6.83/-7.16	-8.35/-6.47	-4.40/-8.50	-14.08/-5.75	-5.85/-8.58	-12.58/-7.44	-6.87/-12.20	-10.86/-10.90	-6.68/-8.21	-11.25/-10.06
θ(135°)	-10.37/-8.92	-10.62/-15.74	-11.39/-11.68	-14.31/-11.56	-9.21/-8.93	-6.61/-6.55	-7.01/-8.94	-8.22/-7.76	-9.02/-8.73	-6.91/-7.37	-6.92/-8.62	-9.35/-8.54	-6.64/-6.15	-6.03/-7.37	-6.73/-8.98	-6.14/-9.39	-9.86/-9.64	-11.01/-9.39	-10.64/-11.26	-11.05/-13.79	-10.92/-9.25	-13.95/-9.85	-13.96/-9.04	-10.88/-13.44
θ(142.5°)	-11.79/-13.84	-14.56/-15.36	-15.24/-12.01	-15.00/-11.98	-8.29/-9.28	-9.61/-8.44	-7.84/-8.53	-8.04/-8.01	-7.97/-9.06	-7.33/-9.54	-7.86/-9.97	-7.29/-7.71	-7.81/-7.95	-7.39/-7.74	-7.21/-8.53	-10.97/-10.63	-13.19/-11.88	-12.84/-11.00	-12.90/-14.47	-13.23/-14.70	-11.48/-10.59	-10.28/-12.68	-12.15/-13.21	-14.56/-10.09
θ(150°)	-8.06/-14.45	-14.91/-15.76	-13.58/-15.81	-12.41/-13.08	-11.32/-10.63	-15.58/-13.56	-13.80/-13.61	-13.16/-12.06	-11.77/-9.01	-9.27/-8.61	-7.84/-7.75	-8.11/-8.02	-7.64/-6.92	-7.06/-7.80	-11.83/-12.55	-13.06/-10.64	-9.04/-11.05	-10.07/-9.58	-9.61/-7.54	-9.65/-12.02	-14.90/-11.20	-14.49/-13.78	-16.07/-13.00	-11.75/-12.19
θ(157.5°)	-11.49/-11.96	-15.33/-12.17	-12.86/-13.56	-13.13/-12.87	-14.64/-15.28	-14.24/-13.34	-14.43/-13.22	-10.79/-10.09	-8.70/-8.62	-8.81/-8.24	-9.56/-10.03	-10.36/-8.35	-8.95/-9.80	-7.02/-7.27	-10.22/-14.87	-14.57/-9.87	-8.84/-8.49	-7.18/-9.00	-8.74/-7.44	-8.41/-11.49	-12.30/-13.41	-12.29/-12.18	-16.03/-15.09	-15.10/-13.66
θ(165°)	-15.78/-15.19	-12.26/-11.26	-12.84/-11.56	-13.03/-13.01	-11.56/-10.07	-11.01/-9.67	-8.86/-9.07	-9.12/-10.72	-11.42/-10.71	-10.32/-9.93	-10.25/-11.42	-10.74/-11.10	-11.44/-12.04	-13.75/-13.18	-11.77/-11.47	-10.34/-9.33	-10.49/-14.35	-11.79/-11.03	-10.40/-14.10	-13.07/-12.45	-15.63/-16.32	-16.16/-16.82	-12.99/-14.59	-7.92/-7.04
θ(172.5°)	-11.37/-13.04																							

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







Antenna Pattern of Radio 4 2.4GHz, 5GHz, 6GHz and Radio 5 Bluetooth/Zigbee (EUT 1)

Appendix R

Total Gain Data

Freq(Hz)	2.450Pol.	TotalAnt. 1	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-
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°)	-10.20-9.91	-9.71-9.74	-10.07-10.54	-11.21-12.04	-12.49-13.61	-14.57-15.14	-15.34-14.46	-14.20-14.13	-13.37-13.33	-12.92-11.95	-11.02-10.23	-9.75-9.34	-9.25-9.81	-8.38-7.89	-6.53-6.00	-6.89-7.15	-7.22-7.45	-7.87-8.10	-8.85-9.10	-9.37-9.66	-9.89-9.57	-9.58-9.45	-9.59-9.66			
Θ(7.5°)	-6.38-6.05	-5.82-5.87	-6.97-7.07	-7.38-7.18	-7.46-7.54	-8.09-9.12	-9.57-9.94	-10.22-10.12	-10.31-10.47	-10.46-10.28	-10.04-9.80	-9.80-9.91	-10.27-10.75	-10.81-10.10	-10.06-10.41	-10.66-11.35	-12.25-11.61	-12.78-13.51	-14.47-14.13	-13.71-13.32	-12.36-11.91	-11.37-10.65	-9.99-9.42	-8.87-8.41		
Θ(15°)	-5.39-5.01	-4.44-3.78	-3.24-3.03	-3.18-3.60	-4.19-4.82	-5.25-5.49	-5.56-5.52	-5.44-5.35	-5.46-5.72	-6.01-6.26	-6.37-5.67	-6.95-7.56	-8.51-9.85	-9.07-9.95	-9.43-8.84	-9.37-9.93	-10.84-11.54	-12.37-13.47	-15.11-15.53	-15.85-15.81	-15.77-14.51	-12.53-10.65	-9.24-8.08	-7.25-6.59		
Θ(22.5°)	-6.33-5.50	-4.72-4.04	-3.55-3.34	-3.46-3.89	-4.59-5.27	-5.75-6.08	-6.23-6.21	-5.98-5.63	-5.42-5.31	-5.34-5.65	-6.08-6.82	-7.66-8.19	-8.35-8.12	-7.85-7.61	-7.40-7.21	-7.11-7.10	-7.52-8.43	-9.92-11.95	-12.98-12.43	-10.89-9.97	-9.86-9.10	-10.43-10.33	-9.67-8.61	-7.42-6.45		
Θ(30°)	-5.90-5.02	-4.40-4.00	-3.86-3.92	-4.09-4.49	-5.02-5.52	-5.85-5.96	-6.03-6.03	-5.65-5.01	-4.38-4.04	-3.99-4.30	-5.05-6.20	-7.49-8.09	-7.82-7.16	-6.71-6.42	-6.16-5.81	-5.72-5.63	-5.97-6.59	-7.89-10.12	-13.77-12.67	-11.62-12.10	-11.24-11.44	-12.12-13.49	-13.71-11.99	-9.51-7.29		
Θ(37.5°)	-5.78-4.82	-4.12-3.83	-4.02-4.45	-4.87-5.25	-5.59-5.94	-6.06-5.75	-5.43-5.16	-4.79-4.23	-3.71-3.52	-3.55-4.11	-5.03-6.07	-6.57-6.36	-5.98-5.82	-5.86-6.04	-6.08-6.17	-6.00-5.95	-6.13-6.67	-7.78-9.57	-11.84-12.72	-13.39-13.46	-12.51-12.36	-12.53-12.37	-11.73-10.53	-8.56-6.79		
Θ(45°)	-6.42-5.15	-3.98-3.42	-3.46-3.85	-3.44-4.85	-5.37-5.93	-6.24-6.56	-5.08-4.38	-3.88-3.57	-3.57-3.77	-4.04-4.64	-5.59-6.04	-6.42-5.66	-4.33-4.54	-4.73-4.85	-5.06-5.38	-5.72-6.01	-6.36-6.72	-7.14-7.75	-8.43-9.42	-10.82-11.68	-12.94-14.53	-15.03-12.91	-10.75-9.23	-7.99-6.44		
Θ(52.5°)	-7.48-5.51	-3.76-2.88	-2.63-2.79	-3.14-3.68	-4.42-5.36	-6.09-5.87	-4.92-4.01	-3.47-3.37	-3.88-4.66	-5.01-5.40	-5.59-4.61	-3.25-2.62	-2.80-3.31	-3.60-3.75	-3.91-4.26	-4.71-5.20	-5.65-5.86	-5.88-5.71	-5.87-6.56	-7.75-8.97	-10.14-12.14	-13.43-13.80	-11.27-9.94	-9.12-8.35		
Θ(60°)	-9.07-6.58	-4.08-2.68	-2.12-2.06	-2.32-2.98	-4.06-5.28	-6.11-6.03	-5.45-4.87	-4.26-3.78	-3.98-4.79	-5.13-5.38	-5.86-4.55	-2.89-2.55	-2.35-2.89	-3.35-3.76	-3.97-4.04	-4.19-4.69	-5.24-5.16	-4.74-4.45	-4.46-5.15	-6.33-7.46	-7.84-9.50	-12.72-12.31	-11.37-10.85	-10.61-10.07		
Θ(67.5°)	-9.61-7.15	-4.63-3.02	-2.43-2.25	-2.46-3.24	-4.40-5.45	-5.96-6.16	-5.95-5.34	-4.49-3.72	-3.90-5.16	-6.23-6.89	-6.23-4.09	-2.71-2.37	-2.38-3.55	-4.04-4.22	-4.47-4.87	-5.22-5.91	-6.46-5.41	-3.81-3.03	-2.89-3.55	-4.94-5.65	-6.36-8.14	-12.05-12.27	-11.60-12.06	-12.57-10.98		
Θ(75°)	-10.28-7.31	-4.89-3.52	-2.89-2.56	-2.62-3.26	-4.15-5.01	-5.83-6.41	-6.11-5.46	-4.96-4.27	-4.08-5.35	-6.76-7.50	-7.24-5.25	-3.82-3.18	-3.41-4.31	-5.22-5.28	-5.43-5.67	-5.82-6.48	-7.47-6.33	-4.29-3.24	-2.94-3.35	-4.97-6.30	-6.08-7.42	-11.70-12.04	-11.20-12.20	-13.99-13.83		
Θ(82.5°)	-12.02-7.66	-5.05-3.84	-3.20-2.83	-3.01-3.84	-4.77-5.78	-6.80-6.97	-5.99-5.15	-5.09-4.66	-4.31-5.59	-7.70-8.37	-7.49-6.75	-4.95-4.89	-5.59-7.06	-8.00-7.92	-8.09-8.02	-7.18-7.29	-7.68-6.11	-3.85-3.19	-3.17-3.50	-5.24-7.23	-6.47-7.13	-11.28-12.17	-11.60-12.59	-14.59-14.62		
Θ(90°)	-10.37-6.69	-4.16-3.47	-3.52-3.54	-3.88-4.82	-5.77-6.41	-6.75-6.41	-5.53-5.13	-5.42-4.96	-4.47-5.88	-8.34-8.70	-8.22-6.79	-5.58-5.22	-6.22-8.20	-9.52-9.01	-10.81-13.12	-9.17-8.24	-10.28-8.92	-5.45-4.49	-4.42-4.22	-5.40-7.71	-7.72-8.01	-12.04-14.76	-13.71-14.02	-14.90-12.12		
Θ(97.5°)	-10.56-7.54	-4.91-4.06	-4.01-3.86	-3.82-4.44	-5.41-6.37	-7.08-6.97	-6.28-5.80	-5.72-5.43	-5.58-7.30	-9.77-9.54	-7.92-6.68	-5.56-5.61	-7.14-8.99	-8.37-7.82	-10.38-13.59	-9.95-8.63	-10.53-9.33	-6.14-5.39	-5.51-5.38	-6.45-8.60	-8.44-8.48	-11.06-15.42	-16.23-15.58	-14.96-12.92		
Θ(105°)	-9.89-8.21	-6.45-5.01	-4.42-4.33	-4.43-4.97	-5.87-6.98	-7.85-7.31	-6.01-5.54	-6.60-7.64	-6.91-6.66	-7.81-8.32	-8.02-7.27	-5.51-5.53	-7.22-9.46	-10.13-9.56	-9.57-12.09	-11.70-10.49	-12.71-11.23	-7.20-6.53	-7.26-6.99	-7.67-10.18	-10.61-11.56	-15.52-15.52	-16.03-12.46	-15.31-13.97		
Θ(112.5°)	-11.03-7.92	-6.60-5.45	-4.15-3.41	-3.46-4.29	-5.80-7.58	-8.02-6.73	-6.24-7.76	-12.23-8.28	-5.89-6.66	-8.17-8.89	-9.91-9.21	-7.35-7.76	-8.88-9.29	-7.12-5.96	-7.59-9.14	-9.21-10.35	-12.51-9.92	-6.33-5.76	-6.68-6.97	-7.89-10.64	-10.87-10.45	-9.65-9.40	-11.58-14.74	-16.14-14.82		
Θ(120°)	-13.84-9.87	-8.01-7.46	-5.93-4.43	-4.16-5.10	-6.62-7.51	-7.06-6.93	-8.27-10.58	-9.19-5.96	-4.45-5.17	-7.54-9.51	-11.81-9.70	-7.00-6.14	-7.20-8.42	-6.92-6.11	-7.88-9.80	-9.81-10.61	-11.91-11.39	-8.18-7.49	-7.93-7.67	-8.03-10.91	-15.15-15.29	-13.03-11.18	-12.24-15.24	-14.58-14.21		
Θ(127.5°)	-15.27-11.07	-7.95-12.12	-6.92-6.01	-5.29-5.50	-6.38-7.44	-8.06-8.37	-8.39-7.57	-5.92-4.77	-5.08-7.15	-10.15-12.87	-14.48-9.77	-6.68-6.21	-7.98-10.32	-8.76-8.26	-10.16-10.17	-9.65-10.00	-11.31-11.07	-9.69-9.59	-9.91-9.24	-9.06-10.49	-11.92-12.56	-11.22-10.34	-11.32-14.96	-14.29-14.45		
Θ(135°)	-11.99-10.93	-8.19-6.61	-6.45-6.74	-6.75-6.63	-6.73-6.63	-6.16-5.82	-6.01-6.37	-6.31-6.31	-7.12-8.12	-7.91-7.51	-7.95-8.83	-7.98-8.11	-10.88-12.67	-11.33-11.12	-11.35-10.77	-10.52-10.86	-11.44-10.51	-9.15-8.96	-9.75-10.65	-11.19-12.82	-12.68-12.43	-11.02-10.40	-11.40-13.92	-12.88-10.99		
Θ(142.5°)	-9.27-8.34	-7.28-6.35	-6.25-6.85	-7.61-8.02	-7.78-7.08	-6.42-6.24	-6.35-6.56	-6.81-7.37	-7.80-7.25	-6.38-6.42	-7.56-9.28	-10.38-11.67	-14.88-14.64	-12.74-12.44	-12.86-12.90	-12.74-12.92	-13.76-12.43	-10.74-9.57	-10.02-10.67	-11.17-11.45	-10.64-10.93	-10.88-11.00	-12.69-14.23	-14.75-10.72		
Θ(150°)	-9.96-8.41	-7.55-7.13	-7.11-7.29	-7.50-7.54	-7.34-7.01	-6.70-6.51	-6.54-6.95	-8.01-9.18	-8.90-7.60	-6.59-6.56	-7.58-9.50	-11.39-13.37	-12.60-11.45	-10.23-10.34	-10.39-11.06	-11.92-12.51	-12.93-13.43	-13.24-12.30	-11.96-11.29	-10.18-0.99	-8.36-8.25	-8.90-9.81	-11.75-15.50	-15.31-13.97		
Θ(157.5°)	-14.71-13.84	-12.72-12.07	-11.37-10.58	-10.11-10.77	-10.08-9.58	-8.63-8.13	-8.03-8.85	-9.49-9.16	-8.04-7.94	-6.52-6.82	-8.16-10.87	-14.50-14.06	-12.81-10.47	-9.18-8.54	-8.04-8.19	-9.25-10.09	-10.97-12.00	-13.38-13.92	-13.40-11.73	-10.27-8.90	-8.39-8.02	-8.27-9.12	-10.74-12.64	-15.55-15.39		
Θ(165°)	-9.59-15.30	-14.57-14.05	-12.39-12.85	-10.64-12.76	-12.15-10.53	-9.24-8.48	-8.04-8.07	-8.23-8.32	-8.60-9.10	-9.88-10.96	-12.37-13.78	-14.35-13.77	-12.83-11.95	-10.88-9.81	-8.63-8.45	-9.22-10.56	-11.96-13.12	-14.34-15.16	-15.12-14.12	-12.19-11.25	-10.34-9.94	-9.80-10.44	-11.10-12.11	-13.63-15.33		
Θ(172.5°)	-11.37-11.04	-10.19-9.83	-9.83-9.80	-9.82-9.42	-9.03-8.67	-8.49-8.49	-8.74-9.17	-9.75-10.58	-11.68-12.62	-13.53-15.00	-14.76-16.04	-15.70-15.01	-15.00-15.59	-14.11-13.15	-12.42-12.21	-13.17-14.52	-15.38-15.57	-16.32-15.50	-15.05-15.52	-14.23-12.37	-11.77-11.14	-11.05-11.36	-11.43-11.65	-11.85-11.99		
Θ(180°)	-11.85-11.58	-11.12-10.64	-10.82-11.18	-11.66-11.81	-11.80-11.68	-11.63-11.95	-12.80-13.13	-13.54-14.20	-14.89-15.44	-15.98-15.79	-15.43-15.69	-15.59-15.02	-15.33-15.03	-15.18-15.76	-15.46-15.21	-15.37-15.31	-14.87-15.73	-15.40-15.43	-15.07-14.80	-14.41-13.50	-12.57-12.22	-12.28-12.40	-13.06-13.22	-13.42-13.35		
Freq(Hz)	5.2GPol.	TotalAnt. 1	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-
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°)	-0.73-0.50	-0.28-0.21	0.010-29	0.360-30	0.410-46	0.350-10	0.180-36	0.320-21	0.13-0.08	-0.23-0.24	-0.32-0.39	-0.42-0.63	-0.92-0.93	-0.65-0.56	-0.89-1.01	-0.66-0.62	-1.06-1.14	-1.13-1.28	-1.10-1.13	-1.34-1.48	-1.80-1.74	-1.40-1.34	-1.46-1.24	-0.94-0.74		
Θ(7.5°)	-0.79-0.97	-0.87-1.04	-1.09-0.97	-1.21-1.40	-1.15-1.14	-1.64-1.90	-1.70-1.55	-1.58-1.52	-1.48-1.50	-1.46-1.30	-1.00-0.73	-0.52-0.35	-0.28-0.33	0.010-44	0.710-95	0.570-58	0.850-74	0.760-63	0.440-36	-0.06-0.34	-0.44-0.62	-0.80-0.80	-0.56-0.62			
Θ(15°)	-1.02-0.93	-0.41-0.32	-0.79-0.59	-0.49-1.28	-1.65-1.57	-2.23-3.07	-4.12-4.92	-5.11-5.19	-5.16-5.08	-4.51-3.21	-2.29-1.56	-0.89-0.37	0.240-78	0.780-72	1.061-37	1.091-29	1.591-38	1.321-71	1.751-71	1.260-91	0.890-69	0.280-16	-0.58-0.75	-0.73-0.87		
Θ(22.5°)	0.700-76	0.580-50	0.07-0.78	-1.10-1.40	-1.88-2.20	-2.20-2.57	-3.24-4.17	-4.82-4.77	-5.40-6.47	-7.50-6.50	-4.20-2.24	-0.720-12	0.620-97	1.110-92	0.781-38	1.972-04	2.44-2.68	2.482-64	2.842-288	2.391-72	1.030-23	-0.31-0.53	-0.37-0.14	0.220-38		
Θ(30°)	0.920-72	0.60-0.59	-0.38-1.21	-3.23-4.18	-3.94-4.78	-4.21-3.10	-2.41-2.25	-2.36-2.02	-2.31-3.37	-4.77-4.77	-4.65-3.02	-1.23-0.54	-0.75-1.62	-1.29-0.11	0.450-56	0.650-86	1.061-23	1.261-57	1.250-36	0.220-11	-0.34-0.27	-0.30-0.17	0.400-67			
Θ(37.5°)	-0																									



Antenna Pattern of Radio 4 2.4GHz, 5GHz, 6GHz and Radio 5 Bluetooth/Zigbee (EUT 1)

Appendix R

Θ(22.5°)	-1.60/-2.33	-3.15/-3.26	-4.06/-6.29	-6.47/-5.34	-5.08/-4.94	-3.83/-3.58	-3.95/-3.62	-3.29/-4.12	-4.64/-4.25	-3.15/-2.76	-2.78/-3.44	-4.24/-3.13	-1.37/-0.04	0.88/1.15	1.18/1.19	1.19/1.26	0.98/1.31	1.62/1.64	1.52/0.77	-0.06/-1.42	-2.47/-2.66	-2.57/-2.69	-2.64/-2.27	-1.61/-1.68
Θ(30°)	-2.23/-3.69	-3.60/-3.50	-4.97/-6.65	-6.06/-3.98	-2.30/-2.02	-1.80/-1.49	-2.35/-2.62	-2.18/-2.45	-2.16/-2.05	-1.96/-2.95	-3.28/-4.48	-6.15/-3.95	-1.36/-0.28	-0.43/-0.76	-0.76/-1.04	0.34/0.98	0.46/0.57	0.33/-0.36	-0.82/-0.56	-0.69/-1.29	-1.65/-1.86	-2.04/-2.90	-2.57/-1.16	-0.74/-1.53
Θ(37.5°)	-1.89/-1.67	-1.47/-3.12	-4.80/-4.76	-4.79/-3.84	-0.99/-0.02	-0.12/-0.01	-0.60/-1.10	-1.05/-2.27	-1.84/-0.56	-0.87/-0.72	-2.96/-4.24	-4.26/-1.08	-0.13/-1.29	-1.28/-0.80	-0.79/-0.22	0.04/0.02	-0.24/-0.73	-0.36/-0.25	-0.98/-2.68	-3.33/-1.88	-2.15/-2.48	-0.70/-2.01	0.37/1.28	0.84/-0.64
Θ(45°)	-0.51/-0.12	-1.11/-2.42	-3.26/-2.85	-2.49/-1.37	0.33/1.65	2.45/1.68	1.07/1.23	1.00/1.52	0.67/-0.97	-0.22/-0.74	-0.01/-1.11	-3.63/-1.37	-0.80/-1.14	-0.58/-0.27	0.16/-0.58	-1.80/-2.93	-2.19/-0.96	-1.32/-1.41	-1.63/-3.28	-5.55/-3.17	-1.68/-1.32	0.34/1.12	1.01/1.70	1.17/0.40
Θ(52.5°)	-0.07/-1.29	-1.64/-2.48	-2.60/-1.18	0.50/1.63	2.17/3.15	2.68/1.97	0.83/-1.59	2.63/2.19	1.95/1.53	1.07/0.81	-0.45/-2.65	-2.52/-1.68	-2.72/-0.85	0.34/0.96	0.27/-0.69	-1.49/-0.82	0.80/0.85	0.15/-0.82	-3.08/-3.11	-5.82/-3.71	-1.24/-1.00	0.98/1.29	1.06/2.20	1.34/0.87
Θ(60°)	0.41/-0.61	-0.73/-1.41	-2.35/-0.78	1.10/2.07	2.30/3.11	2.95/1.82	0.89/2.52	2.97/2.21	3.57/2.92	1.72/1.70	0.19/-1.69	-1.23/-0.72	-0.79/-0.02	1.05/1.11	0.47/0.02	0.10/0.11	1.11/1.39	-0.18/-2.05	-4.09/-4.42	-0.30/-3.35	-4.09/-4.30	1.00/0.06	0.94/2.23	1.93/-1.59
Θ(67.5°)	0.23/-0.54	0.16/-1.29	-2.31/-1.19	-0.16/-1.15	2.42/2.72	3.55/2.01	0.41/2.80	3.52/2.80	3.36/3.14	2.86/2.04	-0.63/0.70	0.59/0.38	-0.15/0.77	1.05/0.09	1.33/0.93	0.01/-0.00	1.28/1.39	-1.52/-4.71	-3.46/-3.28	-2.80/-4.27	-0.89/0.20	0.58/-0.87	0.88/2.05	1.70/1.66
Θ(75°)	-0.20/-0.98	-0.21/-1.69	-3.00/-3.76	-1.28/0.22	1.39/2.08	2.93/1.93	-0.28/2.09	2.87/2.91	2.78/3.34	2.42/2.14	0.47/1.02	0.50/0.06	-0.84/-0.68	-0.12/-0.69	1.96/1.20	0.37/1.33	2.22/2.41	-0.14/-3.37	-1.55/-1.37	-1.53/-5.29	-1.42/0.60	0.23/-2.44	0.51/1.51	0.79/0.96
Θ(82.5°)	-0.95/-1.36	-1.36/-2.11	-3.76/-4.26	-1.88/-0.63	0.44/0.98	1.89/1.26	-1.03/-1.18	1.62/2.22	1.87/2.36	1.54/1.23	0.60/0.34	-1.44/-1.50	-2.84/-3.38	-1.55/-0.71	2.01/0.41	0.68/2.93	3.50/2.72	-0.63/-1.61	-0.18/0.30	-0.51/-4.85	-1.63/0.08	-0.98/-2.73	-0.49/0.39	-0.91/-0.05
Θ(90°)	-2.62/-2.10	-1.82/-3.48	-5.44/-4.80	-4.18/-1.75	0.23/-0.17	1.10/0.33	-1.21/-0.25	-0.49/1.20	-0.03/1.11	0.45/-0.45	-0.49/0.09	-1.55/-3.27	-5.36/-5.50	-4.03/-4.53	-0.75/-1.85	-0.91/2.28	2.80/2.34	-1.75/-2.30	0.01/0.28	-0.61/-4.40	-3.86/-1.13	-3.16/-3.12	-1.72/-0.85	-2.74/-2.49
Θ(97.5°)	-4.60/-3.12	-1.98/-3.84	-6.10/-5.26	-4.13/-2.37	-0.83/-0.84	0.23/-0.77	-2.34/-1.51	-1.89/-0.61	-1.28/-1.54	-1.28/-2.07	-2.84/-2.43	-3.65/-6.48	-8.84/-11.43	-8.11/-6.61	-2.09/-4.61	-2.20/0.49	0.09/-1.09	-3.33/-2.77	-2.19/-1.83	-2.77/-7.47	-4.89/-2.50	-4.36/-3.97	-4.21/-1.72	-7.95/-6.45
Θ(105°)	-5.14/-4.34	-2.20/-4.30	-5.87/-4.67	-4.96/-4.22	-1.66/-2.07	-1.25/-1.99	-3.69/-1.85	-4.41/-2.72	-4.28/-3.73	-3.92/-5.42	-3.88/-3.24	-4.26/-5.77	-9.22/-10.48	-11.58/-10.69	-9.93/-5.82	-4.99/-3.36	-5.19/-5.94	-6.75/-5.24	-6.32/-11.26	-6.35/-5.00	-6.15/-4.76	-5.43/-4.04	-3.92/-4.85	
Θ(112.5°)	-6.26/-6.72	-5.12/-5.94	-6.87/-7.18	-6.47/-4.87	-3.99/-2.16	-2.80/-4.10	-4.43/-4.84	-4.99/-5.22	-5.28/-4.93	-6.77/-9.37	-7.31/-4.09	-5.47/-7.59	-8.76/-8.52	-11.21/-10.22	-5.99/-8.66	-8.95/-5.20	-6.59/-9.54	-9.26/-6.68	-10.52/-5.72	-9.66/-8.34	-6.90/-7.32	-5.41/-7.79	-5.54/-6.68	-6.05/-5.68
Θ(120°)	-6.39/-6.84	-5.55/-6.86	-7.95/-8.26	-7.93/-6.73	-4.59/-3.77	-3.06/-4.52	-4.59/-3.77	-7.79/-6.64	-8.75/-8.33	-8.90/-6.63	-5.63/-7.11	-11.70/-10.83	-12.66/-15.75	-15.17/-14.40	-13.80/-14.98	-15.61/-12.75	-13.53/-14.72	-12.29/-12.46	-14.58/-15.27	-13.62/-10.45	-9.35/-10.69	-12.76/-12.41	-13.18/-13.62	-12.16/-12.21
Θ(127.5°)	-9.11/-7.16	-6.27/-7.15	-6.02/-6.78	-7.75/-7.95	-7.06/-7.64	-5.38/-6.21	-10.83/-6.39	-9.25/-6.89	-8.47/-8.42	-9.47/-8.49	-8.43/-10.26	-10.31/-10.60	-11.20/-15.46	-11.88/-11.94	-10.74/-12.41	-6.72/-12.83	-10.12/-9.64	-16.24/-8.50	-10.83/-7.76	-12.50/-13.16	-6.74/-9.91	-9.12/-7.28	-10.01/-10.71	-7.80/-7.79
Θ(135°)	-8.52/-9.79	-9.58/-7.92	-7.26/-7.52	-8.21/-7.94	-8.51/-6.32	-6.52/-9.60	-8.71/-10.19	-7.79/-8.51	-10.24/-9.25	-8.97/-9.51	-12.85/-11.11	-10.12/-13.80	-10.55/-12.50	-14.78/-14.46	-8.53/-10.81	-6.28/-12.40	-12.32/-15.53	-15.48/-14.27	-13.17/-11.77	-11.30/-13.01	-8.24/-11.14	-11.32/-8.24	-10.03/-12.63	-9.89/-9.59
Θ(142.5°)	-8.64/-9.85	-8.47/-1.49	-7.02/-7.22	-7.58/-7.88	-9.97/-10.15	-9.77/-10.34	-12.25/-12.48	-9.82/-12.25	-13.24/-11.33	-11.44/-10.83	-13.10/-14.45	-15.36/-14.47	-10.55/-11.62	-14.06/-11.62	-12.25/-8.83	-11.51/-11.52	-12.60/-15.55	-11.65/-13.48	-12.67/-13.23	-14.45/-12.23	-14.30/-14.36	-12.74/-11.08	-9.34/-11.28	-10.11/-11.30
Θ(150°)	-10.38/-10.45	-11.02/-10.29	-8.98/-0.88	-7.20/-7.48	-7.98/-9.70	-11.93/-12.81	-12.42/-12.90	-14.52/-12.00	-11.31/-13.03	-15.94/-12.02	-11.76/-13.93	-13.11/-10.94	-15.52/-14.59	-15.13/-15.75	-14.14/-12.38	-11.47/-11.45	-15.26/-13.41	-15.18/-14.36	-10.90/-13.87	-10.68/-12.39	-15.73/-15.34	-13.84/-13.62	-11.45/-11.42	-11.98/-9.26
Θ(157.5°)	-8.72/-10.53	-9.61/-7.93	-7.03/-7.67	-7.95/-7.07	-7.98/-8.65	-9.81/-10.62	-10.85/-14.01	-12.82/-11.17	-12.57/-12.22	-9.16/-8.35	-13.15/-14.46	-10.78/-10.49	-15.37/-15.44	-15.43/-14.43	-14.65/-15.49	-14.27/-14.91	-15.20/-15.77	-15.14/-13.08	-15.04/-14.46	-14.10/-13.76	-14.17/-12.77	-12.86/-11.54	-14.16/-11.20	-11.49/-10.43
Θ(165°)	-9.08/-8.80	-8.61/-8.32	-7.77/-6.65	-5.72/-6.64	-7.32/-8.21	-10.31/-12.16	-14.75/-11.93	-9.57/-9.83	-11.38/-13.15	-11.79/-11.01	-12.66/-15.75	-15.17/-14.40	-13.80/-14.98	-15.61/-12.75	-13.53/-14.72	-15.60/-15.95	-13.99/-13.09	-12.29/-12.46	-14.58/-15.27	-13.62/-10.45	-9.35/-10.69	-12.76/-12.41	-13.18/-13.62	-12.16/-12.21
Θ(172.5°)	-10.39/-9.43	-8.54/-9.52	-10.42/-9.91	-10.04/-10.56	-10.98/-10.29	-9.91/-9.64	-8.85/-7.95	-8.89/-10.86	-12.81/-14.80	-15.26/-15.82	-13.44/-13.35	-13.51/-13.40	-13.00/-15.74	-15.31/-15.55	-15.31/-14.14	-13.18/-11.38	-11.39/-13.91	-15.80/-14.97	-15.42/-14.93	-11.73/-10.69	-11.14/-11.44	-10.91/-10.40	-10.17/-10.48	-9.93/-9.08
Θ(180°)	-10.08/-10.38	-10.04/-10.46	-9.10/-9.26	-9.64/-9.52	-9.88/-9.87	-10.31/-11.55	-11.01/-11.84	-13.97/-15.21	-15.72/-15.48	-15.40/-15.82	-15.11/-15.70	-15.51/-14.52	-13.07/-11.25	-10.54/-10.50	-8.64/-9.70	-10.99/-11.63	-10.77/-10.93	-10.42/-11.59	-11.62/-12.53	-13.60/-12.07	-10.53/-9.56	-9.54/-9.93	-10.25/-11.07	
Freq(Hz)	5.885GPol.	TotalAnt. 1	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-
Gain	Φ(0°)Φ(7.5°)	Φ(15°)Φ(22.5°)	Φ(30°)Φ(37.5°)	Φ(45°)Φ(52.5°)	Φ(60°)Φ(67.5°)	Φ(75°)Φ(82.5°)	Φ(90°)Φ(97.5°)	Φ(105°)Φ(112.5°)	Φ(120°)Φ(127.5°)	Φ(135°)Φ(142.5°)	Φ(150°)Φ(157.5°)	Φ(165°)Φ(172.5°)	Φ(180°)Φ(187.5°)	Φ(195°)Φ(202.5°)	Φ(210°)Φ(217.5°)	Φ(225°)Φ(232.5°)	Φ(240°)Φ(247.5°)	Φ(255°)Φ(262.5°)	Φ(270°)Φ(277.5°)	Φ(285°)Φ(292.5°)	Φ(300°)Φ(307.5°)	Φ(315°)Φ(322.5°)	Φ(330°)Φ(337.5°)	Φ(345°)Φ(352.5°)
Θ(0°)	0.36/0.36	-0.09/-0.16	0.33/-0.03	-0.32/-0.19	-0.26/-0.43	-0.34/-0.48	-0.63/-0.34	-0.31/-0.24	-0.30/-0.37	-0.40/-0.33	-0.19/-0.36	-0.63/-0.53	-0.65/-0.90	-0.90/-0.63	-0.78/-1.17	-0.68/-0.40	-0.58/-0.52	-0.32/0.22	0.27/-0.24	-0.01/0.16	0.19/0.40	0.44/0.38	0.27/0.26	0.27/0.25
Θ(7.5°)	-1.58/-2.14	-1.03/-1.44	-1.21/-2.02	-1.27/-1.24	-0.26/-0.42	-0.98/-0.48	0.02/0.11	0.29/0.46	0.68/0.76	0.88/0.96	0.92/0.51	0.00/-0.20	-0.27/-0.40	-0.42/-0.36	-0.15/-0.13	-0.47/-0.03	-0.18/-0.65	-0.48/-0.53	-0.29/-0.58	-0.86/-0.67	-0.71/-0.53	-0.53/-0.63	-0.71/-0.79	-0.72/-1.06
Θ(15°)	-1.94/-1.75	-2.76/-3.43	-3.22/-3.91	-5.65/-4.57	-4.74/-5.08	-4.88/-3.75	-3.62/-3.54	-2.03/-1.21	-0.79/-0.49	-0.04/0.28	0.24/-0.30	-0.90/-1.37	-1.49/-0.75	-0.09/0.53	1.08/1.41	1.54/1.70	1.99/1.68	1.17/0.70	-0.08/-0.57	-1.36/-1.67	-1.54/-1.34	-1.33/-1.12	-0.95/-0.95	-1.10/-1.74
Θ(22.5°)	-1.30/-1.65	-2.63/-3.32	-4.40/-5.11	-5.29/-6.35	-3.92/-2.50	-3.32/-2.78	-2.70/-3.33	-3.97/-3.77	-3.68/-3.26	-2.49/-2.29	-1.94/-2.21	-2.68/-2.85	-1.82/-0.23	0.97/1.58	1.75/1.99	2.06/2.04	2.20/1.98	1.79/1.62	0.72/-0.24	-1.94/-3.39	-2.93/-1.41	-0.87/-0.49	-0.58/-0.51	-0.78/-1.13
Θ(30°)	-1.21/-1.93	-2.18/-3.89	-6.91/-6.84	-4.70/-4.35	-3.91/-1.81	-1.84/-2.30	-2.70/-3.23	-3.99/-4.60	-4.19/-3.07	-2.37/-4.31	-4.13/-4.04	-4.66/-5.12	-2.09/-0.13	-0.25/-0.56	0.16/1.05	0.94/1.02	1.57/0.97	0.48/-0.12	-0.64/-1.48	-2.52/-2.99	-2.90/-2.00	-1.36/-0.93	-0.01/0.87	0.47/-0.49
Θ(37.5°)	-1.18/-1.55	-1.89/-3.49	-4.33/-4.26	-3.17/-2.05	-2.03/-0.96	0.36/0.01	-0.62/-1.58	-3.11/-3.75	-3.53/-2.98	-1.95/-4.55	-2.74/-3.79	-0.76/-1.66	-2.12/-1.22	-0.61/0.10	0.96/1.42	0.56/-0.51	-0.84/-0.84	-2.16/-4.37	-4.46/-2.80	-2.89/-1.66	-0.76/0.26	1.11/2.02	1.15/0.00	1.15/0.00
Θ(45°)	-1.46/-1.38	-1.10/-1.72	-2.39/-1.72	0.21/1.14	1.32/1.90	1.04/1.86	1.37/-0.04	0.09/0.60	0.71/-1.55	-0.63/-1.58	-1.76/-2.92	-5.85/-3.55	-1.73/-1.81	-0.69/-1.37	-0.49/-1.14	-0.29/-0.09	-1.00/-0.80	-1.01/-2.18	-3.26/-6.22	-5.74/-2.72	-1.61/-1.72	0.83/2.69	1.61/1.49	0.49/0.10
Θ(52.5°)	0.82/-0.49	-0.63/-2.03	-1.72/-0.13	1.44/2.64	2.93/2.31	2.02/1.52	1.63/1.71	1.78/2.56	3.02/1.53	1.37/1.14	-0.17/-2.74	-2.39/-0.33	-0.62/-0.81	-0.59/-0.12	-1.16/-0.74	0.53/0.87	1.38/0.65	-0.23/-1.17	-3.91/-4.22	-5.42/-3.83	-1.99/-0.53	1.55/2.48	1.38/1.44	2.38/1.60
Θ(60°)	0.99/0.43	-0.38/-1.41	-1.80/0.23	1.77/2.77	3.09/2.86	3.01/1.95	1.49/2.50	3.18/2.59	4.15/3.87	2.79/1.88	0.67/-0.58	-0.26/0.60	0.78/0.04	-0.34/-0.02	-1.90/-1.18	0.82/2.19	3.25/1.86	-0.62/-2.80	-5.37/-4.64	-4.20/-3.22	-0.66/-0.75	1.14/1.83	1.85/2.50	3.71/2.39
Θ(67.5°)	0.74/-0.09	-0.18/-1.53	-1.06/-1.17	1.13/2.73	2.83/2.61	2.87/2.05	1.81/2.06	3.91/3.38	3.89/4.44	3.00/2.66	1.59/1.54	1.56/1.61	0.46/0.17	0.57/-1.26	-2.16/-0.90	0.51/1.10	2.90/2.06	-1.49/-4.40	-4.14/-4.34	-3.41/-3.65	-1.09/-0.33	0.93/0.51	2.23/3.19	3.14/2.15
Θ(75°)	0.18/-0.24	-1.75/-2.13	-2.13/-1.78	-0.43/-1.52	3.05/1.67	2.42/1.																		



Antenna Pattern of Radio 4 2.4GHz, 5GHz, 6GHz and Radio 5 Bluetooth/Zigbee (EUT 1)

Appendix R

Θ(67.5°)	1.74/2.32	0.26/-0.15	0.45/1.07	1.20/0.82	1.49/2.34	2.85/0.46	0.12/-3.43	-1.90/-1.80	-1.05/0.39	0.32/-3.54	-2.92/-1.02	0.79/1.98	2.32/2.22	2.35/0.69	-1.30/-0.31	0.98/0.93	-0.53/0.17	0.83/2.11	1.66/0.18	0.83/1.19	2.21/0.88	0.69/-1.57	0.85/3.10	2.21/-0.09
Θ(75°)	1.30/-1.89	-0.31/-0.87	-0.74/0.36	1.39/1.10	0.69/1.90	2.50/-0.55	-1.38/-3.50	-1.20/-3.45	-4.04/-0.42	-0.24/-4.04	-3.14/-1.23	0.35/-1.39	2.36/-1.42	2.57/-1.48	-0.89/-0.24	1.15/0.62	1.61/-0.27	2.32/-2.44	2.27/-1.84	-0.51/-0.14	2.37/-0.53	-0.91/-0.16	0.13/-1.96	1.53/-1.35
Θ(82.5°)	0.19/0.23	-2.76/-1.34	-0.87/-0.30	0.87/-0.30	-0.45/-1.21	0.64/-1.29	-2.87/-6.23	-1.58/-2.60	-4.23/-0.24	-2.17/-3.32	-1.41/-1.83	-0.47/-0.59	-0.01/0.55	1.76/-0.52	-1.54/-0.33	1.05/-1.88	3.13/-2.73	2.76/-2.39	2.85/-2.64	0.40/-0.28	1.27/-1.66	-2.20/-2.45	-0.15/0.02	0.38/-1.94
Θ(90°)	-0.47/-0.99	-3.71/-3.29	-2.41/-1.83	0.09/-1.35	-0.37/-0.09	-0.04/-1.13	-2.94/-6.14	-3.87/-1.18	-5.84/-1.98	-3.23/-4.14	-2.90/-2.52	-2.54/-2.82	-2.49/-2.75	-1.06/-2.30	-1.44/-2.98	-0.26/-2.15	4.35/-2.17	1.88/-2.21	2.65/-2.86	1.10/-3.16	-1.71/-2.38	-5.28/-3.56	-1.10/-1.92	-0.83/-3.91
Θ(97.5°)	-1.70/-1.82	-4.71/-5.51	-4.33/-3.76	-0.78/-1.99	0.33/-1.36	-0.96/-2.70	-2.89/-7.30	-5.82/-2.75	-5.38/-3.02	-5.25/-4.52	-3.01/-3.63	-4.28/-7.10	-8.66/-5.43	-3.00/-5.74	-4.45/-4.44	-2.63/-1.11	2.55/-1.00	-0.91/-0.11	0.59/-1.18	-0.85/-8.23	-3.17/-3.12	-9.53/-2.97	-2.21/-3.25	-3.19/-4.53
Θ(105°)	-3.35/-2.61	-7.40/-6.47	-4.22/-4.12	-2.84/-2.43	-2.01/-1.78	-2.28/-5.89	-7.07/-9.49	-9.26/-5.76	-6.52/-4.62	-5.83/-6.35	-5.34/-4.33	-7.16/-5.58	-11.40/-11.56	-7.76/-6.69	-7.95/-5.81	-6.58/-3.14	-4.22/-9.10	-6.50/-7.71	-5.55/-3.48	-4.60/-10.77	-3.62/-6.02	-11.10/-4.45	-4.48/-4.72	-5.24/-6.29
Θ(112.5°)	-5.86/-4.51	-7.10/-6.09	-5.27/-4.34	-3.71/-3.20	-3.47/-1.81	-2.15/-7.76	-10.56/-7.05	-14.64/-8.38	-10.44/-7.52	-5.94/-8.18	-6.53/-5.48	-5.16/-7.30	-15.01/-15.74	-8.79/-12.40	-8.65/-6.89	-6.02/-5.51	-10.38/-12.24	-7.36/-13.02	-11.30/-5.34	-6.96/-10.92	-6.05/-11.79	-9.11/-6.07	-5.71/-8.68	-5.43/-6.29
Θ(120°)	-7.90/-6.44	-7.68/-8.57	-7.26/-5.90	-5.86/-5.63	-2.44/-4.94	-5.36/-6.13	-10.77/-8.23	-12.28/-7.26	-15.72/-11.16	-8.14/-13.48	-7.72/-7.86	-9.22/-7.86	-9.94/-12.17	-8.71/-10.85	-8.56/-14.01	-10.92/-9.29	-6.09/-10.43	-4.90/-7.37	-5.80/-6.40	-9.28/-8.04	-8.00/-16.26	-7.76/-10.87	-8.06/-7.61	-6.87/-9.67
Θ(127.5°)	-7.10/-6.22	-5.82/-9.59	-7.57/-5.43	-7.29/-5.56	-6.31/-5.32	-4.78/-8.92	-12.01/-13.12	-10.63/-12.85	-10.78/-15.49	-11.18/-14.69	-10.08/-8.28	-11.49/-10.87	-13.18/-14.10	-13.35/-13.92	-8.23/-15.15	-12.24/-6.20	-10.73/-15.77	-12.79/-12.06	-8.53/-11.08	-13.58/-9.42	-11.53/-12.99	-9.12/-12.09	-11.12/-5.88	-10.86/-10.47
Θ(135°)	-9.89/-10.05	-9.99/-7.94	-7.62/-8.34	-7.08/-6.41	-5.72/-5.63	-8.28/-8.11	-10.15/-13.13	-13.49/-9.49	-13.45/-15.95	-11.41/-12.82	-15.65/-14.64	-11.91/-9.71	-11.91/-13.61	-13.50/-13.83	-11.00/-10.16	-5.10/-7.26	-11.52/-12.22	-8.33/-14.94	-11.25/-12.82	-14.42/-9.31	-12.49/-11.58	-10.59/-11.78	-11.21/-9.42	-11.14/-10.35
Θ(142.5°)	-12.02/-10.70	-7.61/-8.88	-8.48/-7.54	-6.84/-6.92	-6.40/-6.64	-8.06/-10.47	-15.89/-14.27	-14.34/-12.47	-12.51/-14.77	-15.14/-12.50	-14.34/-15.57	-15.14/-15.35	-15.07/-14.33	-15.54/-15.48	-11.33/-12.53	-10.67/-12.93	-12.45/-12.19	-10.96/-15.31	-14.44/-13.45	-15.72/-15.75	-14.86/-15.37	-11.48/-11.59	-12.31/-13.19	-10.72/-10.75
Θ(150°)	-12.22/-13.83	-12.60/-11.37	-3.69/-3.78	-7.16/-5.96	-6.34/-7.27	-9.01/-9.63	-10.78/-14.51	-11.83/-15.95	-13.11/-15.31	-14.97/-15.40	-14.84/-14.39	-14.08/-15.06	-13.92/-15.40	-13.65/-15.14	-15.24/-11.57	-12.27/-14.33	-15.48/-14.61	-15.16/-13.72	-14.97/-12.81	-12.32/-12.44	-12.37/-15.11	-15.66/-15.61	-13.53/-12.29	-14.94/-13.46
Θ(157.5°)	-14.23/-13.82	-13.42/-9.18	-8.67/-8.85	-8.00/-8.06	-8.27/-8.09	-10.29/-11.95	-13.65/-15.55	-12.84/-14.34	-14.80/-10.68	-9.66/-13.85	-12.83/-13.65	-15.56/-15.24	-13.62/-14.28	-15.19/-14.88	-14.94/-15.26	-15.48/-14.62	-12.88/-11.69	-10.43/-13.94	-15.68/-11.34	-10.76/-15.30	-14.11/-15.21	-13.76/-16.01	-14.00/-10.68	-9.29/-10.86
Θ(165°)	-8.87/-8.48	-9.77/-9.79	-8.54/-7.98	-7.94/-7.98	-7.38/-8.09	-7.89/-7.98	-9.35/-10.64	-12.16/-11.17	-10.90/-10.15	-9.99/-13.20	-14.07/-15.34	-14.98/-13.54	-14.71/-15.79	-15.51/-15.01	-15.79/-14.69	-13.04/-11.10	-10.51/-11.46	-15.15/-15.22	-12.46/-12.15	-12.63/-14.78	-13.52/-11.78	-11.47/-13.69	-13.37/-10.74	-10.07/-12.73
Θ(172.5°)	-10.96/-11.61	-11.23/-11.31	-11.27/-10.94	-10.52/-9.71	-9.69/-10.35	-10.22/-10.38	-11.62/-14.35	-14.43/-12.40	-11.57/-11.18	-11.73/-12.57	-11.43/-11.64	-12.19/-14.78	-14.92/-16.30	-15.50/-14.44	-14.95/-15.33	-15.25/-15.56	-15.36/-15.48	-15.69/-15.94	-15.31/-15.74	-12.92/-12.44	-14.89/-9.20	-9.96/-10.99	-11.95/-11.51	
Θ(180°)	-10.80/-11.27	-10.75/-10.53	-10.82/-11.14	-11.65/-11.37	-11.94/-11.53	-11.50/-12.86	-12.30/-12.34	-13.47/-14.16	-14.22/-15.58	-15.61/-15.91	-14.73/-12.60	-10.38/-9.91	-9.71/-8.91	-8.77/-9.50	-10.15/-10.26	-10.06/-11.35	-11.68/-11.09	-11.43/-11.66	-11.85/-10.63	-9.32/-9.43	-9.45/-9.62	-8.81/-8.60	-9.41/-10.65	-10.48/-10.64
Freq(Hz)	6.995GPol.	TotalAnt. 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	-1.61/-1.53	-1.44/-1.38	-1.27/-1.18	-1.02/-0.76	-1.00/-1.35	-0.74/-0.79	-1.53/-1.96	-1.83/-1.40	-1.45/-1.69	-1.70/-1.62	-1.61/-1.71	-1.92/-2.37	-1.99/-1.67	-2.09/-2.08	-1.50/-1.98	-1.60/-1.74	-1.54/-1.22	-1.29/-1.41	-0.95/-0.74	-1.07/-0.94	-1.03/-0.96	-1.10/-1.22	-1.27/-1.28	-1.19/-1.32
Θ(7.5°)	-1.99/-1.81	-1.77/-1.84	-2.17/-1.89	-1.55/-1.04	-1.44/-1.40	-0.63/-0.53	-0.78/-1.36	-1.32/-0.95	-0.60/-0.64	-0.87/-1.06	-1.25/-1.41	-1.42/-1.61	-1.60/-1.34	-1.33/-1.21	-0.70/-0.90	-1.02/-0.78	-0.99/-0.66	-1.29/-2.05	-1.57/-1.82	-1.90/-1.81	-1.88/-1.84	-1.79/-1.60	-1.58/-1.69	-1.73/-1.86
Θ(15°)	-3.68/-3.83	-3.73/-3.83	-3.69/-3.50	-3.23/-3.20	-3.28/-3.59	-3.59/-3.34	-2.86/-2.45	-2.48/-1.85	-0.20/-0.16	0.20/0.07	-0.02/0.07	-0.08/0.51	-0.89/-0.76	-0.26/0.24	-0.10/-0.16	-0.22/0.26	-0.08/0.11	-0.30/-0.25	-0.76/-1.05	-1.67/-2.39	-2.65/-2.64	-2.20/-1.87	-1.93/-2.17	-2.24/-2.69
Θ(22.5°)	-7.39/-8.49	-7.97/-6.76	-5.62/-4.13	-4.20/-3.88	-3.57/-4.92	-4.73/-3.68	-3.75/-2.72	-2.91/-2.85	-2.02/-0.83	-0.36/0.06	0.01/-0.29	-1.23/-2.54	-3.10/-3.52	-3.17/-2.90	-2.79/-1.85	-1.95/-2.93	-3.12/-3.95	-2.65/-1.30	-1.25/-1.40	-1.86/-2.67	-3.11/-3.22	-3.49/-3.93	-4.97/-5.57	-5.82/-6.08
Θ(30°)	-3.56/-4.83	-5.60/-5.74	-5.58/-4.84	-4.59/-3.55	-3.31/-4.88	-6.23/-5.00	-4.23/-3.80	-2.65/-1.02	-0.43/-1.30	-3.09/-2.88	-0.96/-2.66	-3.35/-3.55	-3.52/-3.68	-2.68/-3.15	-1.21/-1.16	-1.07/-1.69	-2.19/-2.25	-1.26/-1.19	-1.96/-2.25	-1.91/-1.70	-1.86/-2.06	-4.00/-4.42	-4.18/-4.16	
Θ(37.5°)	-0.63/-1.86	-1.86/-1.75	-0.78/-0.29	-0.50/-0.99	-0.51/-0.84	-1.28/-1.30	-1.44/-3.16	-1.79/-0.65	-0.79/-1.66	-1.12/-2.16	-1.35/-0.28	-1.71/-1.45	-3.41/-4.62	-6.36/-5.46	-5.25/-4.69	-5.29/0.61	-5.56/-3.67	-0.11/0.12	-0.52/-0.78	-1.09/-0.26	-0.82/0.75	0.57/-1.17	-1.51/-0.79	
Θ(45°)	0.69/-0.74	-1.06/0.10	0.90/-1.09	-0.25/-1.27	-0.62/-0.10	-0.08/0.57	-0.43/-1.71	-0.08/0.16	0.28/-1.36	-0.91/-0.18	-1.79/-1.31	-0.67/0.02	-1.88/-4.77	-7.73/-9.06	-11.41/-8.78	-4.57/-2.84	-0.70/-0.92	-0.00/-0.30	0.52/0.78	0.66/-0.30	0.81/-1.25	1.43/-1.20	1.22/-0.51	-1.88/0.10
Θ(52.5°)	2.14/0.95	1.14/-1.37	1.22/-1.04	0.64/0.07	0.71/0.12	0.18/-0.80	-1.18/-2.10	-0.73/0.44	1.00/-2.43	-2.31/-0.18	-1.01/-1.17	-0.06/-0.74	-3.25/-4.97	-4.64/-6.33	-5.50/-4.44	-3.37/-2.90	-2.36/-1.22	-0.17/-1.71	1.85/-0.05	1.45/-0.99	0.44/-1.91	2.27/0.84	0.87/-1.05	-0.89/-1.39
Θ(60°)	0.56/-1.32	1.74/-2.23	2.08/-1.24	0.43/-0.35	0.12/-1.10	0.29/-2.03	-0.47/-3.75	-0.74/-0.31	-0.63/-1.53	-3.54/-0.25	-0.90/-2.16	-0.48/0.30	0.87/0.23	-1.19/-3.24	-4.46/-4.95	0.72/2.57	0.23/-0.45	0.72/2.57	2.67/-1.16	1.46/-1.41	-0.12/-1.22	1.14/-0.42	1.42/0.16	-0.90/0.37
Θ(67.5°)	0.32/0.49	0.06/-1.67	1.45/-1.04	0.93/-0.66	-1.62/0.22	0.03/-3.59	-5.38/-3.96	-0.58/-0.46	-3.28/-1.52	-2.12/-2.69	-3.08/-1.60	1.36/2.96	2.94/-2.87	1.48/-2.30	-1.39/-0.87	0.02/0.87	-0.29/-0.40	0.85/-1.11	0.35/-0.53	-0.26/0.27	0.47/-0.45	-0.96/-0.63	1.28/-0.64	-1.99/-1.77
Θ(75°)	0.46/0.06	-1.01/0.37	0.54/0.72	1.33/-0.09	-1.05/-0.75	0.61/-1.28	-6.23/-6.24	-2.56/0.28	-3.44/-2.43	-2.42/-4.26	-2.01/-2.49	2.57/-0.51	-1.31/-0.07	-0.69/-0.25	0.25/-1.77	2.27/-1.65	1.01/-0.33	-1.61/-1.16	0.80/-2.45	-2.86/-1.88	0.00/-1.61	-2.99/-1.91		
Θ(82.5°)	0.26/-0.13	-1.00/-1.01	-1.16/0.52	1.00/0.66	-0.97/-0.99	0.68/-0.27	-7.85/-5.60	-4.46/-2.22	-3.37/-2.64	-3.30/-4.89	-2.14/0.43	0.42/0.65	1.29/-2.48	-3.11/-1.36	-1.02/-1.01	1.18/-3.19	3.03/-1.90	0.73/-1.34	-1.31/-2.60	-0.23/-3.88	-5.34/-2.79	-1.99/-3.58	-5.12/-1.95	
Θ(90°)	-1.09/-1.93	-2.25/-2.42	-3.58/-0.85	-0.09/-0.24	-1.78/-1.75	0.04/-3.68	-6.87/-10.80	-3.28/-8.50	-3.43/-3.53	-3.66/-7.17	-4.88/-0.55	1.28/-1.73	-2.65/-3.38	-0.69/-3.38	-0.62/-3.66	-1.79/-0.08	1.93/-3.13	1.27/-1.54	0.50/-1.93	-0.43/-4.68	-0.28/-6.24	-9.62/-3.83	-4.89/-4.23	-6.88/-2.74
Θ(97.5°)	-3.04/-4.17	-5.26/-4.00	-4.79/-2.50	-1.46/-0.60	-2.86/-2.24	-0.91/-4.12	-9.01/-11.78	-4.42/-10.59	-5.72/-3.43	-5.62/-9.86	-4.48/-1.53	-2.69/-5.35	-7.24/-0.49	-2.83/-6.41	-4.83/-5.04	-3.65/-4.43	0.84/-0.66	-0.17/-1.04	-0.15/-0.23	-3.26/-7.80	-3.77/-10.75	-10.23/-5.59	-5.41/-5.36	-7.02/-4.39
Θ(105°)	-5.82/-3.98	-4.41/-4.78	-5.37/-3.00	-2.35/-3.21	-4.77/-4.86	-1.73/-6.03	-8.43/-10.50	-7.23/-9.27	-7.32/-7.72	-5.04/-7.99	-8.22/-3.86	-4.21/-5.49	-10.36/-10.50	-6.34/-7.25	-6.61/-6.70	-6.36/-7.11	-5.58/-8.31	-5.37/-8.24	-6.29/-5.61	-8.22/-8.75	-7.75/-11.82	-9.45/-6.80	-5.14/-13.40	-9.61/-7.09
Θ(112.5°)	-6.41/-6.50	-6.45/-6.30	-6.98/-4.93	-6.43/-5.80	-4.30/-4.26	-4.84/-4.02	-7.40/-10.48	-8.39/-8.99	-13.29/-12.38	-8.97/-10.94	-6.36/-6.19	-4.57/-10.46	-14.49/-13.49	-11.07/-11.84	-9.72/-6.48	-7.39/-9.11	-11.52/-10.04	-6.31/-12.36	-9.02/-9.34	-6.59/-10.19	-12.51/-15.31	-9.67/-11.09	-8.27/-9.69	-9.50/-6.99
Θ(120°)	-6.92/-6.84	-8.89/-1.88	-7.21/-6.98	-5.71/-5.49																				



Antenna Pattern of Radio 4 2.4GHz, 5GHz, 6GHz and Radio 5 Bluetooth/Zigbee (EUT 1)

Appendix R

Θ (112.5°)	-9.02/-10.50	-11.16/-12.11	-12.61/-11.96	-9.44/-4.36	-5.57/-7.19	-8.20/-6.88	-5.20/-6.22	-7.36/-6.73	-6.24/-3.28	-4.74/-4.10	-6.66/-9.06	-6.21/-4.29	-4.19/-4.16	-2.97/-4.40	-3.53/-6.15	-5.55/-9.22	-8.31/-3.94	-2.65/-2.86	-2.98/-4.62	-5.89/-4.90	-6.65/-9.92	-7.51/-11.59	-12.89/-6.02	-6.72/-15.69
Θ (120°)	-9.75/-15.45	-15.04/-9.11	-9.46/-8.04	-8.67/-8.29	-11.84/-9.32	-9.43/-9.21	-7.38/-7.38	-9.79/-6.53	-6.42/-5.39	-4.98/-8.17	-8.53/-8.10	-10.35/-8.46	-5.46/-3.79	-7.15/-2.88	-5.49/-11.44	-4.10/-11.22	-11.21/-5.66	-5.86/-4.28	-3.24/-4.24	-6.26/-4.24	-6.01/-7.13	-12.12/-10.22	-13.11/-9.32	-9.17/-11.85
Θ (127.5°)	-15.91/-15.40	-13.98/-10.80	-9.31/-7.39	-7.87/-12.49	-11.62/-10.24	-10.18/-8.85	-8.65/-7.67	-8.86/-7.71	-3.22/-7.03	-9.12/-9.91	-9.65/-13.33	-8.17/-4.23	-7.04/-4.46	-5.66/-11.33	-3.29/-9.77	-13.64/-8.73	-6.99/-5.58	-4.53/-8.60	-14.97/-7.57	-7.14/-15.35	-16.32/-15.54			
Θ (135°)	-13.59/-14.01	-15.48/-11.80	-10.02/-15.68	-13.71/-10.83	-10.91/-13.66	-12.08/-9.23	-11.24/-11.73	-11.54/-8.40	-8.13/-9.80	-9.46/-10.97	-13.15/-12.28	-10.83/-8.89	-5.70/-6.36	-7.24/-5.79	-11.22/-8.86	-6.22/-10.94	-13.64/-8.20	-8.33/-6.89	-6.12/-7.73	-11.60/-8.87	-7.23/-4.23	-7.77/-15.60	-9.03/-7.26	-10.59/-9.39
Θ (142.5°)	-14.14/-11.60	-10.68/-11.78	-7.97/-8.29	-9.93/-16.34	-13.28/-13.83	-15.07/-11.37	-10.18/-9.18	-11.14/-12.41	-11.57/-12.70	-12.92/-11.47	-10.53/-9.94	-10.09/-10.96	-7.67/-8.34	-7.90/-8.52	-9.25/-10.32	-9.46/-11.23	-14.13/-12.25	-11.86/-9.58	-10.43/-8.40	-9.88/-12.79	-7.90/-7.41	-11.72/-9.41	-13.18/-15.08	-10.89/-12.45
Θ (150°)	-6.61/-10.87	-10.22/-9.86	-13.17/-13.17	-12.29/-13.50	-12.29/-13.50	-11.02/-12.11	-13.87/-15.20	-15.22/-13.09	-14.07/-14.82	-15.10/-13.02	-10.44/-10.44	-11.12/-11.42	-9.54/-8.21	-10.28/-15.29	-15.56/-11.29	-12.45/-13.46	-12.18/-9.46	-9.33/-10.20	-10.93/-11.51	-11.03/-9.99	-9.38/-14.28	-11.31/-9.20		
Θ (157.5°)	-12.00/-15.15	-14.44/-13.61	-11.84/-13.89	-15.70/-16.05	-14.76/-14.34	-14.29/-15.29	-14.71/-14.39	-14.85/-15.35	-15.51/-15.56	-14.67/-13.25	-14.98/-15.29	-9.78/-9.50	-9.81/-8.32	-8.31/-11.49	-14.84/-11.98	-11.00/-11.19	-12.46/-13.23	-11.27/-11.08	-12.48/-12.50	-11.35/-11.08	-11.93/-12.72	-11.77/-10.84	-11.91/-12.89	-11.27/-9.82
Θ (165°)	-12.95/-14.83	-14.77/-15.20	-15.01/-13.80	-15.77/-14.79	-14.98/-15.24	-14.83/-15.75	-14.94/-15.75	-14.26/-14.27	-14.73/-15.24	-14.32/-13.11	-12.42/-11.34	-10.57/-9.87	-8.61/-10.30	-12.25/-13.38	-12.91/-12.56	-13.77/-12.62	-11.33/-10.84	-10.75/-11.29	-11.90/-13.16	-15.79/-15.66	-13.16/-13.46	-12.67/-12.96	-13.59/-12.74	-11.94/-10.56
Θ (172.5°)	-12.26/-12.18	-13.83/-14.87	-14.55/-14.85	-13.89/-13.41	-13.17/-14.77	-16.02/-15.02	-14.65/-13.58	-12.66/-12.42	-12.53/-12.59	-11.95/-11.03	-10.19/-9.36	-8.99/-9.85	-9.42/-11.45	-13.45/-12.96	-12.46/-12.44	-12.50/-11.88	-10.62/-10.75	-10.51/-10.63	-11.51/-13.48	-15.53/-15.54	-14.56/-14.19	-13.04/-13.41	-13.99/-12.88	-13.85/-16.03
Θ (180°)	-12.59/-12.65	-12.79/-12.79	-13.62/-14.42	-14.73/-15.81	-15.16/-14.58	-14.29/-13.05	-11.94/-11.64	-11.54/-12.22	-13.98/-13.45	-13.51/-13.92	-12.90/-12.61	-12.82/-13.92	-14.27/-13.42	-13.08/-13.16	-13.38/-13.53	-15.01/-14.01	-13.36/-13.53	-13.44/-13.78	-13.16/-12.71	-11.73/-11.21	-10.34/-10.22	-9.99/-9.56	-8.88/-8.58	-8.83/-10.27
Freq(Hz)	5.6GPol.	TotalAnt.2	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
Gain	Φ(0°)Φ(7.5°)	Φ(15°)Φ(22.5°)	Φ(30°)Φ(37.5°)	Φ(45°)Φ(52.5°)	Φ(60°)Φ(67.5°)	Φ(75°)Φ(82.5°)	Φ(90°)Φ(97.5°)	Φ(105°)Φ(112.5°)	Φ(120°)Φ(127.5°)	Φ(135°)Φ(142.5°)	Φ(150°)Φ(157.5°)	Φ(165°)Φ(172.5°)	Φ(180°)Φ(187.5°)	Φ(195°)Φ(202.5°)	Φ(210°)Φ(217.5°)	Φ(225°)Φ(232.5°)	Φ(240°)Φ(247.5°)	Φ(255°)Φ(262.5°)	Φ(270°)Φ(277.5°)	Φ(285°)Φ(292.5°)	Φ(300°)Φ(307.5°)	Φ(315°)Φ(322.5°)	Φ(330°)Φ(337.5°)	Φ(345°)Φ(352.5°)
Θ (0°)	-6.54/-5.61	-4.31/-4.24	-4.08/-3.76	-3.74/-3.59	-3.29/-2.83	-2.37/-2.10	-1.97/-1.70	-1.69/-1.64	-1.29/-0.96	-0.520/0.09	-0.00/-0.27	-0.43/-0.52	-0.29/-0.02	-0.39/-1.25	-1.69/-1.80	-1.60/-1.52	-1.70/-2.37	-3.05/-3.36	-3.52/-3.78	-4.11/-4.81	-5.30/-5.89	-6.10/-6.69	-6.38/-5.71	-5.97/-6.83
Θ (7.5°)	-0.68/-0.77	-0.64/-0.91	-1.22/-1.25	-1.16/-1.21	-2.82/-3.00	-3.58/-3.98	-4.93/-3.54	-6.19/-4.68	-6.64/-7.07	-6.74/-5.65	-5.64/-5.86	-5.95/-5.79	-5.29/-3.70	-3.71/-4.76	-4.52/-3.22	-2.52/-2.57	-2.48/-2.19	-1.76/-1.55	-1.20/-1.16	-0.99/-0.76	-0.79/-0.75	-0.68/-0.59	-0.69/-0.62	-0.37/-0.45
Θ (15°)	0.410/55	0.640/64	0.280/1.04	-0.88/-1.43	-1.85/-2.38	-3.11/-3.52	-4.72/-5.59	-6.64/-7.36	-8.10/-8.69	-8.81/-8.55	-8.59/-8.17	-7.30/-6.40	-5.41/-4.01	-2.66/-1.99	-1.83/-1.55	-1.04/-0.53	-0.040/3.9	0.670/74	0.770/68	0.310/11	-0.11/-0.33	-0.39/-0.28	0.230/60	
Θ (22.5°)	2.530/0.1	2.762/2.1	1.411/1.2	0.730/1.2	-0.18/-0.50	-0.92/-1.40	-2.21/-3.05	-3.84/-5.07	-6.37/-6.00	-5.45/-5.85	-6.40/-6.69	-6.09/-5.67	-4.90/-4.37	-3.68/-2.89	-1.87/-0.64	0.200/0.66	1.191/2.2	1.291/5.3	1.681/6.3	1.671/3.8	0.980/6.1	0.220/0.7	0.150/3.3	1.021/8.9
Θ (30°)	1.101/86	1.981/08	0.290/5.1	0.921/4.1	1.862/1.3	2.041/3.3	0.800/4.5	-0.38/-2.22	-1.77/-3.57	-3.08/-3.26	-3.48/-2.87	-2.27/-1.96	-2.58/-0.48	-5.39/-5.90	-5.49/-4.35	-3.04/-1.64	-0.91/-0.51	0.221/0.3	1.060/6.1	0.050/-0.40	-1.41/-1.74	-1.38/-0.84	-0.35/-0.31	0.611/80
Θ (37.5°)	0.400/74	0.580/26	0.531/4.5	2.010/6.2	3.283/5.4	3.422/4.0	1.240/9.4	0.79/-0.19	-1.03/-0.63	-0.50/-0.71	-0.14/-0.16	-1.24/-2.49	-5.54/-6.32	-5.37/-5.92	-4.60/-4.34	-4.41/-3.42	-1.83/-0.38	0.450/1.2	-0.37/-0.48	-1.36/-2.75	-1.371/3.58	-2.58/-0.87	0.391/25	
Θ (45°)	-0.98/-0.38	0.571/1.7	2.102/7.1	4.085/2.6	5.063/8.0	2.911/9.2	0.30/-0.35	0.961/5.7	1.441/7.2	1.541/1.2	1.871/5.4	0.34/-0.05	-0.01/-0.86	-1.46/-0.88	-1.46/-3.73	-4.93/-5.37	-5.89/-6.29	-6.64/-4.43	-2.02/-0.26	0.450/2.0	-0.19/-2.08	-4.27/-4.11	-2.81/-1.07	0.020/1.7
Θ (52.5°)	-1.80/-2.51	-0.730/7.1	1.991/9.3	4.145/4.4	5.664/3.7	2.391/5.6	1.710/-0.03	0.802/2.0	2.112/6.8	2.452/3.1	3.001/2.0	1.261/3.6	1.19/-0.30	0.921/0.5	0.82/-1.01	-1.96/-2.42	-5.81/-3.99	-2.81/-4.05	-4.18/-2.53	-2.13/-2.06	-0.31/-1.15	-4.89/-6.45	-3.81/-0.98	-1.24/-1.40
Θ (60°)	-1.19/-2.77	-1.400/8.5	2.292/5.2	4.295/5.7	5.803/9.7	1.760/9.1	1.200/0.1	0.292/4.1	3.093/3.1	3.343/0.2	4.091/2.9	1.313/0.08	2.942/4.8	1.731/6.7	1.040/5.4	-2.57/-3.71	-6.98/-6.01	-1.90/-0.67	0.21/-0.57	-4.26/-5.16	-4.21/-0.94	-0.56/-0.50		
Θ (67.5°)	-0.50/-0.41	-0.840/7.5	1.863/0.2	4.616/0.0	4.942/0.2	-0.520/0.2	1.380/9.6	-0.071/4.3	3.133/9.4	3.043/4.6	3.211/1.18	2.042/6.5	3.492/3.8	2.952/7.4	3.473/7.1	2.26/-0.60	-0.26/-1.93	0.992/8.0	1.611/6.5	3.292/0.6	0.18/-0.62	-1.11/-3.59	-2.280/5.5	-0.08/-0.25
Θ (75°)	-1.39/-1.14	-1.430/2.0	0.322/1.4	3.615/5.0	3.14/-1.15	-2.06/-0.54	0.900/4.7	-1.090/1.1	1.873/1.2	2.241/9.7	2.73/-2.57	-1.260/6.0	2.762/3.9	2.903/3.1	3.153/7.3	2.56/-2.02	-0.711/1.5	2.444/5.2	4.424/3.7	4.223/7.3	1.521/3.5	0.61/-1.48	-1.941/1.3	-0.36/-1.42
Θ (82.5°)	-2.13/-3.39	-2.54/-2.05	-2.280/7.5	2.553/8.2	0.96/-3.82	-3.11/-1.77	-0.84/-0.30	-1.60/-0.61	1.212/5.9	0.671/2.2	0.06/-4.37	-0.080/7.6	1.802/3.7	2.943/3.0	1.492/5.5	-4.09/-2.98	-1.572/5.7	3.383/5.4	5.275/0.8	4.684/2.2	1.471/8.5	1.241/3.4	-2.560/5.0	-1.17/-0.55
Θ (90°)	-4.88/-7.38	-3.62/-4.00	-6.00/-0.62	0.800/5.7	-1.64/-6.37	-3.77/-2.88	-1.74/-1.24	-3.06/-2.27	-0.740/8.8	-0.59/-1.26	0.11/-8.37	-2.58/-3.85	0.71/-0.73	1.481/9.1	-0.160/5.4	-0.84/-2.36	-5.01/-1.06	1.862/5.7	4.134/1.2	3.553/3.2	-0.770/7.0	0.37/-2.94	-4.44/-1.93	-2.28/-4.38
Θ (97.5°)	-8.03/-12.28	-5.35/-6.16	-7.07/-0.21	-1.73/-2.91	-4.99/-8.96	-4.52/-3.38	-2.37/-2.09	-4.13/-3.76	-2.67/-1.20	-2.12/-1.70	-2.90/-6.73	-2.81/-2.42	-1.22/-0.73	0.221/2.0	-1.84/-1.70	-2.34/-3.24	-7.35/-0.88	0.560/5.0	1.591/6.9	-3.86/-2.69	-1.84/-6.53	-7.21/-3.04	-4.52/-2.87	
Θ (105°)	-11.17/-8.92	-7.72/-3.71	-7.83/-4.91	-5.32/-6.75	-8.15/-8.98	-5.50/-5.56	-4.81/-3.74	-6.59/-5.37	-2.92/-3.79	-3.71/-9.80	-2.99/-6.37	-2.52/-1.73	-0.83/-1.62	-1.62/-6.09	-2.93/-3.19	-8.02/-3.71	-0.70/-1.14	-2.53/-1.34	-2.34/-0.81	-2.87/-6.77	-8.80/-9.10	-5.03/-8.11		
Θ (112.5°)	-10.28/-9.70	-12.87/-10.90	-12.10/-10.15	-6.14/-4.24	-6.14/-9.64	-8.56/-8.20	-8.93/-7.70	-11.00/-6.96	-5.12/-4.47	-5.49/-4.56	-7.77/-7.62	-3.15/-6.17	-2.78/-5.64	-0.78/-4.06	-4.59/-6.77	-3.36/-6.14	-8.63/-5.19	-1.85/-0.99	-1.57/-1.10	-4.36/-1.81	-4.84/-11.52	-5.27/-7.35	-9.04/-6.38	-6.80/-8.60
Θ (120°)	-12.27/-14.82	-14.09/-12.33	-10.57/-7.35	-7.64/-6.57	-9.28/-10.00	-8.02/-7.60	-5.69/-7.48	-8.99/-8.68	-6.25/-6.19	-8.41/-6.69	-9.00/-8.30	-8.16/-4.68	-5.47/-3.44	-3.54/-4.84	-4.10/-11.30	-3.48/-3.65	-9.99/-7.76	-3.47/-2.71	-4.00/-2.34	-8.39/-4.89	-4.18/-11.22	-5.99/-6.98	-15.17/-8.90	-6.72/-11.77
Θ (127.5°)	-11.04/-11.25	-12.92/-9.87	-9.10/-9.77	-10.18/-14.93	-15.28/-13.23	-10.45/-10.22	-13.13/-10.60	-8.68/-7.56	-11.96/-9.87	-10.19/-11.96	-10.19/-7.62	-8.29/-6.45	-6.52/-3.64	-5.60/-4.39	-6.99/-14.61	-2.89/-4.32	-9.30/-9.06	-6.59/-2.44	-6.15/-5.22	-9.61/-6.85	-5.67/-7.49	-10.41/-5.05	-7.99/-13.59	-9.18/-13.21
Θ (135°)	-11.46/-13.74	-13.04/-11.29	-9.61/-10.80	-14.76/-11.64	-11.81/-13.25	-9.28/-10.25	-10.18/-10.55	-10.45/-8.68	-9.57/-10.22	-11.54/-10.50	-13.05/-13.22	-6.48/-8.48	-5.37/-6.12	-7.14/-5.23	-7.09/-9.57	-3.34/-7.15	-13.30/-7.73	-7.94/-4.42	-6.92/-5.85	-12.38/-7.42	-9.47/-3.80	-10.87/-10.85	-6.44/-11.52	-10.81/-7.03
Θ (142.5°)	-14.41/-11.23	-10.34/-11.82	-9.36/-7.73	-8.83/-13.93	-14.04/-10.21	-9.27/-11.78	-9.74/-9.92	-11.10/-10.39	-13.11/-11.37	-10.93/-12.00	-15.28/-10.00	-8.40/-8.14	-6.58/-5.74	-10.15/-8.10	-10.14/-8.78	-9.13/-7.52	-15.12/-10.88	-10.91/-9.67	-13.71/-11.12	-9.41/-10.74	-7.94/-6.29	-15.38/-14.43	-12.90/-12.17	-10.08/-6.69
Θ (150°)	-8.42/-11.92	-12.23/-10.67	-13.98/-15.46	-13.94/-15.28	-12.74/-12.39	-12.55/-12.81	-14.28/-14.15	-12.59/-13.45	-12.81/-11.10	-12.70/-14.00	-12.44/-10.86	-10.81/-10.79	-10.88/-9.06	-8.09/-12.12	-13.21/-14.62	-9.93/-9.11	-11.10/-10.28	-13.62/-10.88	-8.29/-10.47	-12.31/-10.66	-12.28/-11.61	-9.20/-11.00	-14.43/-11.70	
Θ (157.5°)	-14.28/-15.95	-14.80/-9.77	-9.35/-13.93	-15.53/-13.37	-12.55/-13.36	-15.43/-15.37	-13.65/-12.64	-13.41/-15.11	-15.27/-14.63	-15.64/-13.43	-10.50/-9.30	-7.62/-7.59	-8.40/-8.73	-8.61/-9.80	-14.51/-15.29	-10.94/-10.31	-10.78/-13.01	-13.16/-10.26	-11.88/-12.53	-10.36/-9.01	-9.89/-12.06	-13.26/-10.93	-10.13/-12.33	-15.63/-14.36

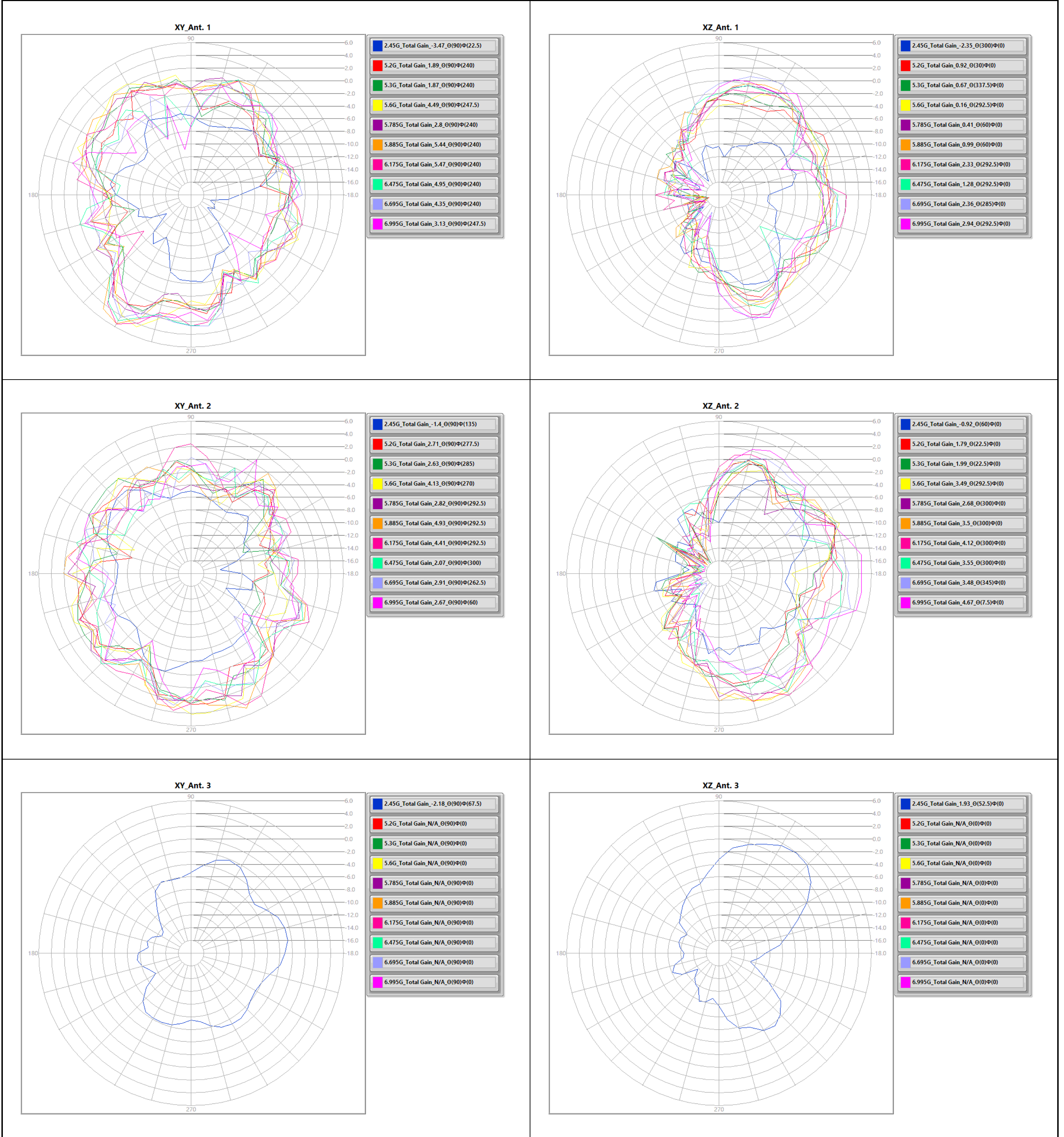


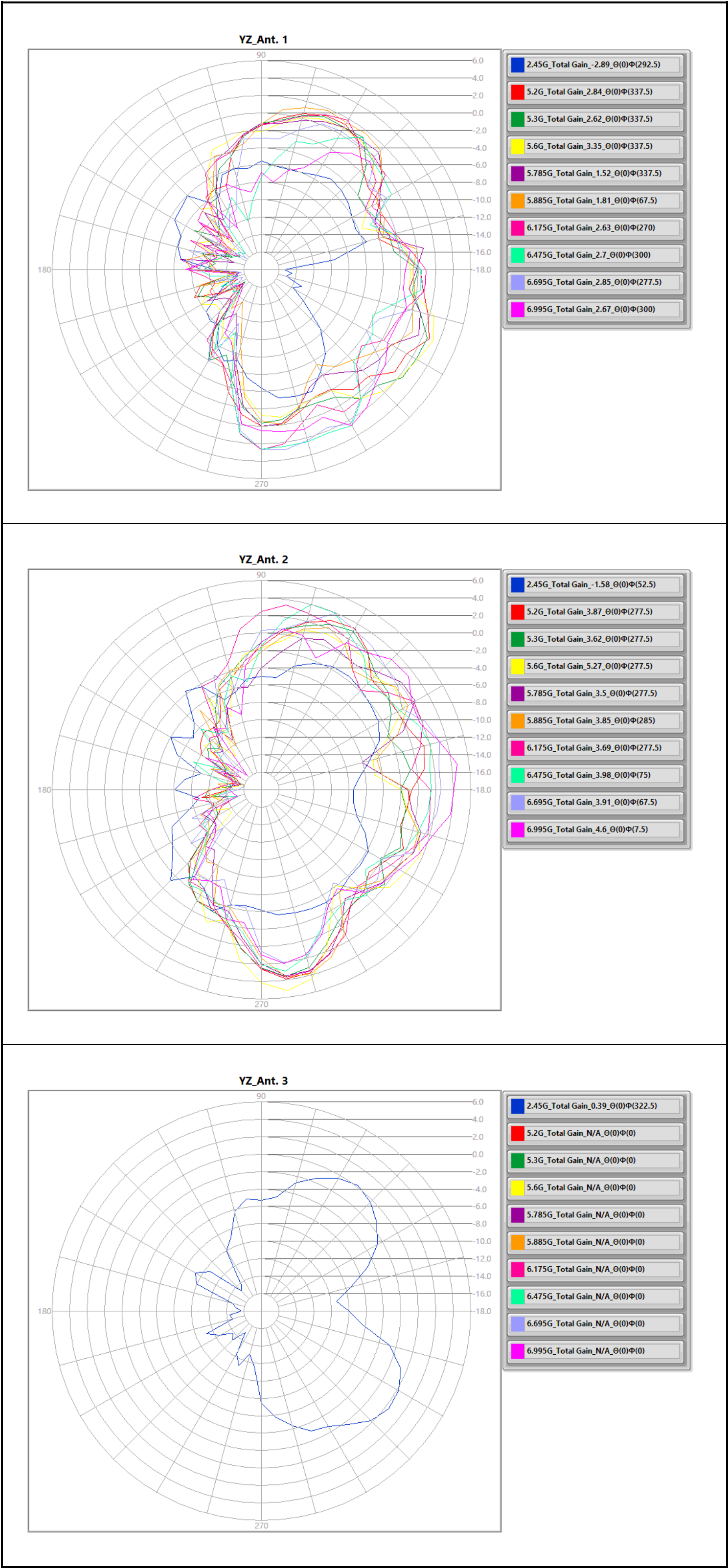
Antenna Pattern of Radio 4 2.4GHz, 5GHz, 6GHz and Radio 5 Bluetooth/Zigbee (EUT 1)

Appendix R

Θ(157.5°)	-14.90/-13.38	-11.57/-13.35	-12.61/-13.68	-14.65/-11.44	-10.81/-12.58	-14.42/-15.00	-12.48/-11.85	-15.11/-14.98	-13.09/-14.39	-12.20/-10.71	-10.68/-11.18	-15.08/-10.41	-10.24/-12.61	-10.39/-8.77	-10.07/-13.12	-13.62/-15.98	-13.25/-14.82	-15.17/-11.85	-11.95/-12.05	-13.10/-14.93	-13.53/-11.94	-14.08/-14.63	-12.52/-14.77	-15.05/-11.28
Θ(165°)	-12.74/-13.45	-14.27/-15.63	-12.39/-10.26	-14.98/-13.80	-14.67/-15.10	-15.44/-15.35	-15.14/-14.52	-14.79/-14.18	-11.83/-11.50	-12.78/-13.82	-15.34/-15.56	-14.14/-12.42	-11.81/-12.58	-12.53/-13.58	-14.09/-15.38	-14.31/-13.45	-12.54/-13.71	-13.96/-13.37	-12.32/-11.59	-12.02/-13.67	-13.36/-14.40	-15.31/-13.80	-14.79/-13.38	-9.76/-9.31
Θ(172.5°)	-15.43/-15.54	-13.86/-13.60	-12.82/-13.17	-12.35/-15.75	-14.61/-15.46	-12.98/-13.16	-13.75/-14.58	-15.33/-14.95	-14.45/-13.52	-12.84/-13.82	-13.28/-13.15	-11.85/-12.74	-11.87/-12.61	-11.45/-12.03	-13.82/-15.26	-12.52/-12.69	-12.19/-12.16	-11.63/-10.36	-10.12/-9.81	-10.16/-11.29	-13.25/-12.45	-13.25/-13.89	-11.91/-10.99	-13.57/-11.45
Θ(180°)	-15.04/-15.28	-15.99/-14.85	-15.49/-15.28	-15.33/-15.47	-15.24/-14.25	-13.36/-12.30	-12.19/-12.29	-12.26/-12.15	-11.96/-11.01	-10.39/-9.38	-9.44/-9.29	-9.41/-9.54	-9.73/-11.07	-10.94/-10.79	-11.52/-12.90	-13.93/-14.31	-15.02/-15.34	-15.48/-15.63	-15.25/-16.02	-15.69/-15.69	-15.62/-14.94	-15.06/-14.48	-14.85/-15.18	-14.91/-15.97
Freq(Hz)	6.4750Pol.	TotalAnt.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)Φ(7.5°)	Φ(15°)Φ(22.5°)	Φ(30°)Φ(37.5°)	Φ(45°)Φ(52.5°)	Φ(60°)Φ(67.5°)	Φ(75°)Φ(82.5°)	Φ(90°)Φ(97.5°)	Φ(105°)Φ(112.5°)	Φ(120°)Φ(127.5°)	Φ(135°)Φ(142.5°)	Φ(150°)Φ(157.5°)	Φ(165°)Φ(172.5°)	Φ(180°)Φ(187.5°)	Φ(195°)Φ(202.5°)	Φ(210°)Φ(217.5°)	Φ(225°)Φ(232.5°)	Φ(240°)Φ(247.5°)	Φ(255°)Φ(262.5°)	Φ(270°)Φ(277.5°)	Φ(285°)Φ(292.5°)	Φ(300°)Φ(307.5°)	Φ(315°)Φ(322.5°)	Φ(330°)Φ(337.5°)	Φ(345°)Φ(352.5°)
Θ(0°)	1.53/-1.42	1.69/-1.81	1.92/-1.83	1.73/-1.73	1.71/-1.61	1.60/-1.47	1.45/-1.30	1.39/-1.21	1.14/-1.06	0.63/-0.54	0.40/-0.65	0.91/-0.86	0.60/-0.57	0.83/-0.96	0.97/-1.03	0.99/-1.04	1.03/-0.90	0.78/-0.94	1.02/-1.23	1.50/-1.63	1.80/-1.61	1.43/-1.66	1.72/-1.44	1.56/-1.39
Θ(7.5°)	0.29/-0.35	0.47/-0.61	0.90/-1.24	1.48/-1.49	1.49/-1.42	1.50/-1.44	1.50/-1.49	1.60/-1.62	1.70/-1.62	1.45/-1.25	1.06/-1.12	1.49/-1.63	1.34/-0.97	1.09/-1.40	1.57/-1.50	1.56/-1.71	1.64/-1.41	1.23/-1.30	1.25/-1.04	1.11/-1.14	1.18/-1.39	1.15/-0.71	0.64/-0.87	0.51/-0.46
Θ(15°)	-0.27/-0.61	-1.01/-1.31	-1.09/-0.63	-0.25/-0.13	0.44/-0.94	1.37/-1.74	2.09/-2.37	2.56/-2.45	2.34/-1.24	1.87/-1.60	1.37/-1.32	1.40/-1.59	1.82/-1.56	0.98/-0.70	0.51/-0.07	0.09/-0.38	0.70/-0.57	0.51/-0.66	0.63/-0.51	0.59/-0.63	0.51/-0.49	0.35/-0.15	0.36/-0.31	-0.23/-0.42
Θ(22.5°)	-3.85/-4.03	-3.72/-2.36	-1.47/-0.95	-0.27/-0.21	0.68/-0.91	1.29/-1.50	1.49/-1.35	1.31/-1.23	1.07/-1.37	1.66/-1.18	0.45/-0.30	0.09/-1.37	-3.63/-5.46	-5.54/-3.96	-2.65/-1.18	-0.62/-1.97	-2.93/-0.86	0.46/-0.10	-2.08/-3.08	-2.46/-1.87	-2.68/-4.80	-6.34/-6.59	-6.54/-8.05	-6.26/-2.96
Θ(30°)	-2.57/-1.51	-0.50/-0.23	0.12/-0.09	-0.10/-0.44	-0.89/-1.02	-0.51/-0.00	0.26/-0.27	0.35/-0.14	-1.23/-0.62	0.90/-1.33	1.25/-0.93	0.09/-1.37	-3.63/-5.46	-5.54/-3.96	-2.65/-1.18	-0.62/-1.97	-2.93/-0.86	0.46/-0.10	-2.08/-3.08	-2.46/-1.87	-2.68/-4.80	-6.34/-6.59	-6.54/-8.05	-6.26/-2.96
Θ(37.5°)	-0.90/-0.45	-0.94/-0.79	-1.31/-0.92	-1.41/-1.29	-0.36/-0.10	-1.05/-1.30	-0.21/-0.27	0.06/-0.66	-2.25/-2.44	0.64/-1.24	0.43/-0.43	-0.34/-0.85	-1.37/-2.67	-5.17/-5.09	-5.75/-3.99	-3.21/-4.02	-4.38/-3.27	-2.48/-1.74	-2.95/-5.28	-4.07/-2.44	-7.06/-6.97	-6.93/-5.62	-5.18/-2.30	
Θ(45°)	-0.06/-0.12	-1.15/-0.92	-0.45/-0.29	-0.92/-1.84	0.54/-2.10	0.72/-1.94	-0.79/-0.52	0.16/-0.13	-1.56/-4.98	-1.94/-0.87	-2.20/-0.21	1.74/-1.75	1.48/-0.66	-1.58/-3.49	-3.82/-1.82	-1.36/-2.25	-4.26/-4.74	-5.02/-3.43	-0.88/-0.52	-1.23/-1.22	-1.91/-1.46	-2.97/-8.18	-10.91/-7.15	-3.16/-0.25
Θ(52.5°)	-0.84/-0.49	0.59/-1.50	2.00/-2.23	0.99/-0.40	-0.24/-1.38	2.00/-1.18	1.28/-1.48	-0.18/-0.68	-0.56/-7.40	-4.43/-4.23	-3.64/-0.28	2.63/-3.32	1.83/-0.42	-0.85/-0.11	-0.17/-0.73	-1.11/-1.08	-3.65/-3.41	-3.20/-4.37	-2.05/-0.56	0.42/-0.53	-1.42/-0.66	0.26/-2.52	-6.11/-6.55	-2.81/-1.12
Θ(60°)	-1.09/-0.07	1.15/-2.60	3.41/-2.22	1.87/-0.83	-0.79/-2.07	2.93/-0.01	2.40/-2.27	0.58/-0.04	0.66/-5.01	-3.06/-5.79	-5.63/-2.98	2.24/-0.99	3.55/-0.29	-3.13/-2.46	-0.09/-0.69	0.82/-1.30	-1.36/-2.03	-1.98/-2.19	-1.54/-0.25	1.49/-1.92	-0.47/-2.63	-0.44/-0.00	-1.05/-0.16	-0.21/-0.78
Θ(67.5°)	0.48/-0.16	0.51/-2.98	3.77/-2.26	2.04/-0.62	1.83/-2.11	2.22/-3.56	3.92/-2.79	1.10/-0.66	-1.02/-4.64	-2.38/-6.11	-8.49/-0.12	3.83/-2.84	-0.25/-2.06	-5.35/-1.54	-0.11/-1.33	2.64/-0.30	1.38/-1.10	-0.71/-0.57	-0.48/-0.33	2.99/-3.95	1.73/-1.87	-0.02/-0.25	1.49/-2.71	2.16/-0.68
Θ(75°)	0.71/-0.10	-2.89/-2.68	2.42/-1.82	1.55/-0.50	1.63/-1.00	1.25/-2.97	3.98/-3.16	1.49/-1.15	-1.45/-3.91	-3.40/-5.42	-8.41/-1.44	2.90/-2.08	0.88/-1.28	-2.00/-1.86	-0.89/-1.45	3.27/-2.83	1.21/-1.08	1.87/-0.76	1.28/-2.73	3.37/-4.67	3.73/-0.65	-0.45/-0.68	2.39/-3.72	1.67/-1.19
Θ(82.5°)	-1.69/-0.75	-0.80/-0.61	-0.15/-0.30	-0.78/-0.47	-0.83/-1.25	-0.16/-0.40	1.59/-0.83	1.14/-1.51	-2.87/-4.21	-4.86/-5.53	-6.00/-0.84	1.41/-0.97	-2.10/-2.52	-2.95/-0.85	-0.18/-1.13	3.43/-1.17	-0.18/-1.59	2.22/-3.18	2.96/-1.21	2.43/-3.73	4.01/-0.25	-0.64/-0.22	1.86/-2.99	2.43/-1.48
Θ(90°)	-2.79/-2.35	-5.87/-2.30	-1.97/-2.57	-0.84/-1.60	-4.10/-0.02	-2.98/-2.81	-1.52/-3.05	-0.99/-3.02	-5.50/-4.68	-5.04/-5.57	-5.93/-1.48	0.71/-1.55	-2.21/-4.43	-3.27/-1.94	-1.16/-0.18	2.04/-0.02	-2.40/-0.32	1.15/-1.83	2.04/-1.01	0.16/-0.96	2.07/-0.28	-2.42/-2.07	-0.81/-1.09	0.03/-3.79
Θ(97.5°)	-4.55/-5.28	-5.99/-6.53	-4.40/-3.97	-2.48/-4.99	-8.12/-0.23	-4.61/-5.28	-5.51/-6.28	-3.93/-5.18	-7.44/-9.48	-5.89/-7.25	-6.11/-1.20	-3.18/-3.55	-4.30/-7.70	-4.16/-3.44	-2.54/-1.67	0.10/-1.24	-3.86/-3.42	-1.11/-1.24	-1.54/-1.96	-3.26/-4.45	-3.12/-2.99	-5.36/-5.34	-4.33/-1.32	-3.75/-5.98
Θ(105°)	-6.55/-7.58	-4.33/-7.20	-6.65/-6.62	-4.56/-12.82	-6.88/-5.68	-9.74/-5.96	-4.46/-5.88	-4.42/-7.64	-2.22/-5.99	-8.40/-6.80	-8.45/-4.10	-3.41/-5.17	-3.70/-6.39	-7.64/-4.75	-4.91/-3.98	-2.11/-2.60	-6.28/-6.37	-1.74/-2.76	-2.98/-10.50	-2.96/-8.02	-7.17/-7.29	-6.09/-6.04	-5.51/-2.19	-10.63/-6.06
Θ(112.5°)	-6.10/-14.96	-6.97/-6.52	-6.59/-8.91	-7.75/-8.86	-7.60/-5.14	-6.93/-8.52	-6.99/-8.95	-7.26/-9.63	-6.47/-8.52	-10.74/-8.89	-6.02/-3.45	-4.91/-7.45	-8.00/-7.59	-11.67/-5.34	-9.39/-6.19	-4.04/-3.67	-10.31/-6.24	-2.54/-4.72	-4.14/-11.09	-5.19/-6.48	-5.46/-8.00	-7.74/-9.50	-6.75/-3.20	-7.71/-1.87
Θ(120°)	-6.62/-12.16	-11.48/-13.38	-11.99/-8.11	-7.63/-11.33	-9.29/-9.14	-10.36/-10.20	-10.40/-10.83	-9.91/-9.92	-10.71/-10.42	-10.54/-10.72	-9.26/-6.18	-5.26/-8.17	-6.58/-10.68	-6.44/-4.54	-10.27/-5.29	-9.98/-7.92	-5.55/-5.96	-4.58/-13.29	-8.55/-9.47	-7.51/-12.04	-10.68/-14.70	-9.43/-5.96	-4.46/-6.42	
Θ(127.5°)	-10.78/-11.70	-13.07/-12.11	-12.91/-8.61	-9.32/-15.54	-13.43/-10.43	-10.02/-9.61	-9.85/-10.90	-12.13/-10.49	-10.48/-12.76	-12.62/-10.69	-6.35/-8.30	-10.42/-8.09	-12.62/-12.68	-7.35/-12.83	-7.28/-5.70	-10.41/-4.74	-6.29/-11.54	-6.69/-5.38	-4.34/-13.68	-6.64/-4.78	-6.42/-10.00	-7.28/-9.01	-15.29/-10.30	-9.75/-9.00
Θ(135°)	-12.36/-12.32	-15.05/-15.49	-14.42/-11.24	-14.20/-15.71	-13.68/-10.14	-12.20/-11.50	-8.07/-12.69	-11.68/-15.07	-13.26/-13.28	-11.67/-8.29	-7.88/-6.93	-9.67/-8.19	-13.84/-15.14	-10.49/-12.14	-8.27/-12.55	-7.82/-4.98	-8.19/-16.15	-8.49/-8.33	-8.70/-12.62	-13.25/-7.77	-4.72/-11.81	-10.81/-15.50	-10.75/-12.77	-8.54/-12.50
Θ(142.5°)	-12.41/-15.28	-15.83/-14.88	-10.16/-12.50	-14.08/-14.06	-10.52/-9.64	-15.12/-11.59	-12.15/-11.87	-13.21/-13.11	-11.41/-12.30	-9.46/-8.91	-8.92/-10.80	-11.04/-11.94	-12.46/-12.23	-10.15/-13.57	-11.98/-12.48	-11.67/-12.81	-12.11/-15.50	-11.42/-9.77	-10.31/-14.71	-11.54/-10.26	-10.33/-14.74	-12.85/-11.83	-12.92/-13.13	-10.86/-9.01
Θ(150°)	-9.41/-11.08	-13.71/-12.60	-10.19/-8.81	-10.89/-14.15	-11.20/-10.57	-13.34/-12.58	-13.74/-12.65	-13.40/-13.30	-11.75/-11.57	-10.20/-11.43	-12.38/-12.66	-14.46/-15.42	-15.09/-12.08	-12.07/-9.41	-11.90/-12.42	-14.44/-15.05	-15.70/-12.51	-11.99/-10.38	-10.16/-11.43	-14.99/-15.45	-14.40/-10.86	-10.33/-14.83	-13.55/-11.67	-13.96/-9.84
Θ(157.5°)	-15.40/-13.58	-15.75/-13.62	-14.77/-15.64	-14.36/-13.21	-13.82/-15.85	-15.80/-10.48	-9.59/-13.17	-15.58/-12.04	-13.01/-14.51	-12.89/-12.62	-13.58/-15.03	-14.46/-14.27	-13.95/-16.01	-14.90/-13.95	-12.68/-12.97	-15.68/-15.26	-15.80/-14.78	-13.94/-11.01	-12.08/-14.63	-12.78/-14.60	-14.85/-12.15	-13.73/-15.22	-13.13/-14.72	-15.92/-15.17
Θ(165°)	-13.30/-15.48	-15.94/-15.31	-14.25/-15.75	-15.54/-14.76	-15.14/-12.53	-10.38/-10.75	-12.13/-15.60	-15.34/-13.41	-12.97/-14.06	-14.71/-15.59	-14.80/-14.89	-15.08/-15.68	-14.51/-14.39	-14.15/-14.03	-13.89/-13.50	-15.52/-15.98	-14.23/-11.61	-11.24/-12.23	-15.25/-13.58	-13.23/-15.07	-14.93/-15.40	-15.18/-14.23	-13.29/-12.03	-10.08/-11.28
Θ(172.5°)	-15.37/-15.38	-15.99/-15.41	-14.91/-15.62	-15.55/-15.50	-15.35/-14.40	-14.50/-13.43	-14.57/-15.40	-14.20/-12.80	-12.35/-12.10	-11.94/-13.03	-14.83/-10.31	-11.72/-12.68	-14.11/-15.17	-13.85/-13.05	-12.80/-12.40	-11.08/-11.30	-12.02/-12.66	-13.39/-13.56	-12.35/-11.31	-12.57/-15.10	-14.94/-15.18	-14.93/-15.14	-15.17/-14.96	-14.78/-14.12
Θ(180°)	-13.57/-14.36	-14.35/-14.59	-14.78/-14.49	-14.75/-14.66	-15.53/-15.75	-15.26/-16.01	-14.67/-15.24	-14.59/-15.20	-13.51/-15.35	-15.20/-15.16	-14.59/-13.88	-12.34/-11.52	-12.18/-14.28	-13.70/-15.11	-15.01/-15.82	-15.65/-15.41	-14.90/-14.77	-14.42/-14.65	-15.65/-14.62	-15.38/-14.95	-13.87/-14.10	-13.58/-12.80	-15.44/-15.54	
Freq(Hz)	6.8950Pol.	TotalAnt.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)Φ(7.5°)	Φ(15°)Φ(22.5°)	Φ(30°)Φ(37.5°)	Φ(45°)Φ(52.5°)	Φ(60°)Φ(67.5°)	Φ(75°)Φ(82.5°)	Φ(90°)Φ(97.5°)	Φ(105°)Φ(112.5°)	Φ(120°)Φ(127.5°)	Φ(135°)Φ(142.5°)	Φ(150°)Φ(157.5°)	Φ(165°)Φ(172.5°)	Φ(180°)Φ(187.5°)	Φ(195°)Φ(202.5°)	Φ(210°)Φ(217.5°)	Φ(225°)Φ(232.5°)	Φ(240°)Φ(247.5°)	Φ(255°)Φ(262.5°)	Φ(270°)Φ(277.5°)	Φ(285°)Φ(292.5°)	Φ(300°)Φ(307.5°)	Φ(315°)Φ(322.5°)	Φ(330°)Φ(337.5°)	Φ(345°)Φ(352.5°)
Θ(0°)	2.41/-2.50	2.57/-2.25	2.13/-2.26	2.32/-3.1	2.30/-3.8	2.51/-2.48	2.60/-2.64	2.65/-2.70	2.66/-2.68	2.56/-2.48	2.33/-3.6	2.59/-3.8	2.11/-1.78	1.78/-2.35	2.34/-1.92	1.80/-2.08	2.27/-2.42	2.47/-2.24	2.47/-2.40	2.45/-2.62	2.7			

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







Sporton International Inc. Hsinchu Laboratory



Antenna Pattern of Radio 1 2.4GHz and 5GHz (EUT 2)

Appendix S

Θ(22.5°)	4.25/4.38	4.51/4.75	4.94/4.97	4.83/5.00	5.06/5.03	4.93/4.78	4.70/4.77	4.86/4.97	5.04/5.05	5.07/4.99	4.71/4.39	4.42/4.71	4.91/4.95	4.93/5.03	5.18/5.25	5.00/4.73	4.51/4.47	4.47/4.54	4.65/4.83	4.85/4.92	5.09/5.13	5.16/4.96	4.70/4.28	4.21/4.30
Θ(30°)	2.74/3.68	4.36/4.62	4.77/4.75	4.74/4.63	4.40/4.00	3.77/3.60	3.39/3.06	3.38/3.67	3.68/3.39	3.68/3.39	3.35/3.55	3.61/3.86	4.04/4.20	4.54/4.89	4.96/4.84	4.43/4.06	3.73/3.43	2.80/2.15	2.03/2.47	3.11/3.80	4.23/4.29	4.20/3.97	3.71/3.06	2.45/2.38
Θ(37.5°)	2.33/3.16	3.92/4.39	4.50/4.13	3.79/3.70	3.14/2.85	2.49/1.99	1.50/1.20	1.23/1.28	0.87/0.63	0.84/1.31	1.96/2.25	2.02/2.14	2.42/2.90	3.64/3.84	3.91/4.29	4.32/4.08	3.69/3.31	2.57/1.40	0.59/0.45	0.94/1.97	2.32/1.78	2.32/1.78	1.21/0.64	0.79/1.44
Θ(45°)	2.19/2.61	2.52/2.53	2.11/1.77	2.08/2.31	2.05/1.72	1.42/1.00	0.56/0.37	0.11/0.63	-1.62/2.32	-1.90/-0.22	0.59/0.67	0.13/-0.18	0.43/-1.22	2.12/2.04	1.91/2.19	2.47/2.26	2.44/2.69	2.10/1.15	-0.11/-0.79	-0.62/0.25	1.40/1.17	-0.16/-1.07	-1.90/-0.98	0.26/1.39
Θ(52.5°)	0.73/0.55	-0.16/0.15	0.05/-0.24	0.54/0.81	0.55/0.30	-0.05/-0.85	-1.21/-0.92	-0.78/-1.85	-3.95/-4.02	-2.86/-1.92	-1.51/-1.79	-1.98/-2.52	-1.63/-0.11	0.80/0.48	0.22/0.18	0.39/0.13	0.11/0.56	0.12/-0.29	-0.81/-2.41	-3.08/-1.56	-0.07/0.13	-1.79/-3.39	-3.77/-2.15	-1.10/-0.01
Θ(60°)	-2.41/-1.81	-1.52/-0.07	0.65/0.09	-0.14/-0.12	-0.42/-0.28	-0.64/-1.43	-1.97/-1.61	-1.87/-3.58	-5.83/-5.96	-3.96/-3.44	-3.56/-3.84	-2.60/-1.42	-0.81/-0.43	0.10/0.93	0.84/-0.22	-0.98/-2.45	-4.61/-5.31	-6.02/-4.90	-3.17/-3.11	-5.61/-8.16	-5.78/-2.99	-3.03/-3.27		
Θ(67.5°)	-4.35/-2.92	-2.00/-0.21	1.12/0.90	0.34/-0.50	-1.25/-1.18	-1.53/-2.76	-3.42/-2.87	-3.48/-6.39	-7.92/-7.17	-6.11/-5.75	-6.83/-7.10	-6.20/-4.66	-3.23/-2.12	-1.19/-0.24	0.16/1.18	1.48/0.55	0.04/-1.02	-3.86/-7.52	-8.62/-8.47	-9.99/-9.35	-9.07/-9.47	-12.77/-13.86	-8.39/-5.12	-5.23/-6.11
Θ(75°)	-6.20/-3.79	-2.77/-0.87	0.61/0.38	0.09/-0.68	-1.82/-2.22	-2.11/-3.53	-5.08/-4.83	-5.40/-9.05	-10.42/-8.44	-8.11/-8.22	-8.65/-8.95	-7.34/-5.79	-3.93/-2.15	-1.66/-0.95	-0.40/0.96	1.03/0.04	-0.26/-0.27	-1.71/-4.79	-8.79/-8.56	-10.23/-12.16	-14.90/-15.66	-15.04/-14.12	-9.97/-8.08	-7.70/-7.85
Θ(82.5°)	-7.16/-5.20	-3.94/-2.25	-1.02/-1.19	-1.02/-2.24	-3.54/-3.18	-3.65/-5.65	-7.52/-7.92	-8.66/-11.97	-12.68/-11.01	-12.08/-10.94	-10.10/-10.62	-8.70/-6.98	-5.62/-3.47	-2.60/-1.52	-1.47/-0.21	-0.65/-1.94	-1.04/-0.33	-1.02/-3.76	-7.66/-8.15	-9.00/-12.74	-14.62/-15.36	-16.14/-14.25	-11.68/-11.02	-9.76/-8.66
Θ(90°)	-9.21/-6.79	-5.82/-4.48	-2.87/-3.11	-3.16/-3.43	-4.96/-5.27	-5.59/-7.28	-8.85/-9.84	-11.21/-13.01	-13.26/-13.66	-14.83/-10.80	-10.22/-11.03	-9.52/-8.75	-7.19/-4.97	-4.90/-2.99	-2.90/-2.18	-2.74/-4.69	-2.86/-1.69	-2.00/-4.78	-8.99/-10.73	-9.88/-10.52	-14.72/-15.63	-14.08/-14.89	-14.85/-12.67	-13.76/-11.20
Θ(97.5°)	-11.70/-8.86	-8.31/-7.63	-5.32/-5.46	-4.70/-5.10	-6.73/-7.10	-8.00/-8.93	-10.56/-11.67	-12.90/-14.01	-13.31/-14.85	-15.04/-12.96	-11.02/-12.00	-10.90/-10.75	-9.48/-6.67	-6.84/-5.18	-5.15/-3.48	-4.95/-8.05	-5.96/-4.53	-5.06/-7.12	-11.23/-13.53	-12.74/-11.39	-11.98/-13.26	-12.45/-12.62	-15.38/-14.82	-14.87/-14.79
Θ(105°)	-10.44/-11.48	-11.66/-11.47	-7.70/-6.16	-7.17/-7.48	-8.43/-9.32	-10.40/-11.00	-12.52/-14.22	-14.32/-14.87	-14.10/-15.48	-15.34/-14.62	-12.84/-13.85	-12.42/-11.30	-10.20/-8.43	-9.29/-6.76	-6.58/-6.96	-7.54/-10.84	-9.53/-7.75	-7.69/-10.85	-10.36/-11.27	-11.28/-13.86	-12.81/-15.03	-12.24/-12.95	-11.93/-15.85	-12.57/-11.58
Θ(112.5°)	-13.06/-11.99	-11.12/-11.40	-9.15/-8.25	-9.50/-10.33	-10.83/-12.42	-11.74/-12.00	-13.46/-14.24	-14.78/-15.09	-15.22/-15.15	-15.47/-14.48	-15.43/-14.74	-12.83/-11.93	-11.10/-10.08	-10.73/-9.04	-8.36/-7.93	-8.90/-12.11	-9.74/-9.03	-10.27/-14.18	-12.03/-12.27	-12.83/-11.53	-12.86/-15.42	-14.90/-14.19	-13.50/-14.91	-15.62/-14.21
Θ(120°)	-15.24/-13.29	-12.81/-12.27	-11.04/-10.31	-11.90/-13.19	-13.71/-13.96	-14.78/-13.80	-12.80/-14.02	-15.38/-15.19	-14.97/-14.95	-15.11/-14.97	-15.65/-14.64	-12.59/-12.84	-13.63/-15.08	-9.51/-9.10	-11.41/-14.07	-10.90/-8.65	-11.13/-15.07	-15.61/-14.77	-14.52/-14.08	-15.63/-14.76	-15.63/-14.54	-15.87/-15.64	-15.49/-14.96	
Θ(127.5°)	-14.64/-13.24	-13.26/-12.16	-14.82/-15.29	-13.42/-14.20	-15.09/-15.46	-14.78/-15.48	-15.90/-14.39	-14.02/-15.48	-14.86/-15.45	-15.21/-15.50	-14.95/-15.35	-14.98/-14.51	-13.77/-12.37	-11.74/-12.86	-9.90/-13.21	-14.76/-12.33	-11.80/-11.97	-13.55/-13.32	-11.61/-14.36	-15.13/-14.89	-13.01/-15.35	-15.55/-14.95	-15.50/-15.56	
Θ(135°)	-14.77/-13.46	-13.17/-13.84	-12.56/-14.63	-15.00/-14.79	-13.40/-13.53	-14.88/-14.49	-15.59/-15.37	-15.09/-14.26	-15.43/-14.94	-14.94/-13.54	-14.36/-15.05	-14.66/-14.55	-15.47/-15.40	-14.94/-14.97	-15.75/-14.71	-10.73/-11.87	-12.74/-13.24	-14.59/-15.17	-12.47/-11.65	-14.49/-14.88	-15.40/-16.01	-12.73/-14.38	-13.24/-14.27	-12.79/-14.99
Θ(142.5°)	-13.63/-13.52	-12.62/-14.75	-15.02/-14.09	-15.80/-15.55	-15.23/-15.31	-15.20/-15.36	-15.33/-14.99	-15.61/-15.23	-15.04/-15.12	-15.06/-15.53	-13.55/-15.02	-14.42/-15.27	-14.82/-14.89	-15.63/-15.30	-15.61/-14.26	-13.85/-15.22	-15.12/-15.62	-13.56/-11.13	-12.74/-13.54	-12.50/-11.07	-15.00/-15.77	-15.32/-15.42	-14.93/-15.33	
Θ(150°)	-14.92/-15.17	-14.29/-14.79	-15.42/-15.72	-14.74/-14.92	-15.00/-14.83	-15.44/-14.20	-15.34/-14.71	-14.72/-15.02	-14.89/-15.39	-14.70/-15.21	-15.63/-13.21	-14.03/-13.93	-15.11/-15.15	-15.47/-13.51	-14.40/-15.08	-13.84/-14.14	-15.66/-14.00	-13.02/-12.72	-13.93/-15.13	-13.66/-11.07	-15.67/-15.62	-15.74/-15.14	-15.14/-14.74	-13.56/-13.22
Θ(157.5°)	-13.87/-15.64	-15.06/-14.72	-15.22/-14.85	-15.14/-15.13	-15.01/-15.70	-14.82/-15.71	-14.87/-15.17	-15.31/-15.00	-15.85/-15.31	-15.28/-14.75	-15.33/-15.55	-15.66/-14.69	-15.82/-15.57	-15.70/-15.40	-13.22/-14.22	-15.47/-15.12	-14.93/-15.16	-15.12/-15.02	-15.08/-15.28	-14.89/-15.03	-15.11/-12.50	-12.76/-14.84	-15.38/-15.32	-15.03/-14.09
Θ(165°)	-14.56/-15.23	-13.76/-13.58	-14.30/-15.05	-15.69/-16.13	-15.44/-15.50	-15.60/-15.38	-14.96/-15.78	-14.33/-13.53	-13.76/-14.65	-13.91/-13.74	-13.92/-14.11	-15.22/-15.26	-14.95/-14.77	-15.28/-14.87	-15.81/-15.37	-14.35/-13.10	-13.82/-15.10	-15.27/-15.21	-14.90/-14.99	-15.05/-14.77	-14.36/-14.63	-14.86/-14.62	-13.47/-14.35	-15.70/-14.95
Θ(172.5°)	-15.48/-15.50	-13.87/-13.89	-13.42/-13.19	-13.81/-14.32	-14.95/-15.22	-15.04/-14.86	-15.82/-14.80	-15.02/-15.32	-15.74/-15.42	-15.27/-14.85	-15.52/-14.95	-15.28/-14.78	-14.74/-13.33	-15.47/-14.50	-14.03/-15.03	-14.59/-15.00	-14.52/-13.64	-12.61/-12.49	-12.94/-14.07	-14.97/-15.10	-15.66/-14.95	-15.27/-14.92	-15.39/-14.37	-14.87/-15.12
Θ(180°)	-14.65/-15.08	-15.70/-15.36	-15.44/-14.78	-15.56/-14.69	-14.84/-14.52	-14.82/-15.66	-16.04/-15.01	-15.38/-15.97	-14.77/-15.17	-15.81/-15.35	-14.90/-15.53	-15.55/-15.57	-15.42/-15.17	-14.99/-15.73	-14.82/-15.94	-15.93/-15.16	-14.79/-14.88	-14.96/-15.03	-12.60/-15.22	-15.03/-15.56	-15.38/-15.67	-15.38/-15.14	-15.53/-14.60	-14.28/-14.38
Freq(Pol)	2.45GPol	TotalAnt. 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)Φ(7.5°)	Φ(15°)Φ(22.5°)	Φ(30°)Φ(37.5°)	Φ(45°)Φ(52.5°)	Φ(60°)Φ(67.5°)	Φ(75°)Φ(82.5°)	Φ(90°)Φ(97.5°)	Φ(105°)Φ(112.5°)	Φ(120°)Φ(127.5°)	Φ(135°)Φ(142.5°)	Φ(150°)Φ(157.5°)	Φ(165°)Φ(172.5°)	Φ(180°)Φ(187.5°)	Φ(195°)Φ(202.5°)	Φ(210°)Φ(217.5°)	Φ(225°)Φ(232.5°)	Φ(240°)Φ(247.5°)	Φ(255°)Φ(262.5°)	Φ(270°)Φ(277.5°)	Φ(285°)Φ(292.5°)	Φ(300°)Φ(307.5°)	Φ(315°)Φ(322.5°)	Φ(330°)Φ(337.5°)	Φ(345°)Φ(352.5°)
Θ(0°)	4.46/4.38	4.27/4.19	4.12/4.09	4.16/4.26	4.38/4.48	4.55/4.59	4.59/4.64	4.67/4.67	4.68/4.67	4.61/4.51	4.38/4.21	4.05/3.89	3.73/3.61	3.55/3.55	3.61/3.74	3.87/4.02	4.15/4.29	4.42/4.54	4.69/4.84	4.93/4.99	5.06/5.06	5.03/4.96	4.88/4.80	4.70/4.60
Θ(7.5°)	3.53/3.48	3.44/3.45	3.54/3.64	3.82/4.03	4.29/4.53	4.71/4.84	5.04/5.06	5.17/5.24	5.31/5.35	5.36/5.32	5.25/5.16	5.06/4.97	4.90/4.84	4.79/4.78	4.80/4.82	4.83/4.83	4.82/4.79	4.78/4.77	4.75/4.73	4.66/4.61	4.54/4.46	4.31/4.16	4.00/3.85	3.74/3.65
Θ(15°)	3.44/3.58	3.75/3.93	4.14/4.34	4.56/4.82	5.05/5.35	5.54/5.68	6.00/6.04	6.50/6.58	6.07/6.04	6.00/6.08	6.07/6.04	6.00/6.08	5.94/5.95	5.92/5.91	5.90/5.87	5.80/5.70	5.57/5.41	5.23/5.04	4.86/4.67	4.44/4.21	4.03/3.86	3.66/3.50	3.40/3.36	3.30/3.33
Θ(22.5°)	3.88/4.12	4.37/4.59	4.80/4.99	5.21/5.46	5.75/6.05	6.29/6.49	6.65/6.79	6.84/6.82	6.75/6.67	6.60/6.55	6.52/6.52	6.54/6.56	6.57/6.56	6.50/6.43	6.33/6.23	6.07/5.89	5.65/5.42	5.18/4.94	4.66/4.41	4.12/3.84	3.63/3.47	3.34/3.31	3.36/3.44	3.48/3.58
Θ(30°)	3.75/3.93	4.15/4.36	4.53/4.68	4.85/5.11	5.46/5.86	6.23/6.58	6.87/7.08	7.17/7.13	7.02/6.85	6.68/6.59	6.56/6.57	6.58/6.58	6.54/6.44	6.30/6.09	5.86/5.60	5.34/5.08	4.82/4.64	4.46/4.28	4.10/3.94	3.76/3.58	3.41/3.33	3.24/3.27	3.39/3.52	3.59/3.65
Θ(37.5°)	2.73/2.82	3.00/3.22	3.46/3.65	3.84/4.19	4.66/5.18	5.71/6.19	6.58/6.84	6.92/6.84	6.65/6.40	6.17/6.09	6.13/6.18	6.15/6.04	5.82/5.50	5.12/6.66	4.29/3.91	3.59/3.35	3.21/3.16	3.17/3.22	3.32/3.44	3.45/3.35	3.12/2.86	2.61/2.46	2.44/2.56	2.68/2.74
Θ(45°)	1.54/1.46	1.43/1.55	1.75/1.95	2.24/2.82	3.56/4.31	4.98/5.57	5.96/6.23	6.25/6.08	5.78/5.41	5.08/5.00	5.11/5.21	5.18/4.96	4.57/4.00	3.33/2.58	1.98/1.60	1.38/1.31	1.30/1.32	1.49/1.78	2.12/2.38	2.43/2.25	1.88/1.44	1.01/0.73	0.77/1.09	1.47/1.65
Θ(52.5°)	0.69/0.29	-0.17/-0.48	-0.62/-0.74	-0.51/0.37	1.57/2.75	3.75/4.52	5.05/5.33	5.35/5.14	4.78/4.32	3.91/3.82	3.96/4.05	3.90/3.47	2.81/1.94	0.97/0.06	-0.54/-0.77	-0.66/-0.68	-0.80/-0.94	-0.85/-0.40	0.26/0.81	0.99/0.92	0.65/0.37	0.13/0.10	0.31/0.57	0.88/0.98
Θ(60°)	-1.43/-1.81	-2.19/-2.48	-2.92/-3.37	-3.48/-2.92	-1.86/-0.61	0.56/1.57	2.30/2.78	2.98/2.96	2.76/2.49	2.27/2.33	2.65/2.85	2.68/2.14	1.32/0.21	-1.01/-2.24	-3.05/-3.32	-3.21/-3.30	-3.64/-4.23	-4.31/-3.29	-1.78/-0.54	0.19/0.38	0.16/-0.17	-0.53/-0.93	-1.21/-1.39	-1.39/-1.29
Θ(67.5°)	-5.31/-5.58	-5.65/-5.56	-5.58/-5.57	-5.41/-4.86	-4.10/-3.26	-2.30/-1.26	-0.41/0.12	0.34/0.35	0.21/-0.02	-0.16/0.18	0.72/1.01	0.80/0.09	-0.96/-2.35	-3.80/-5.12	-									