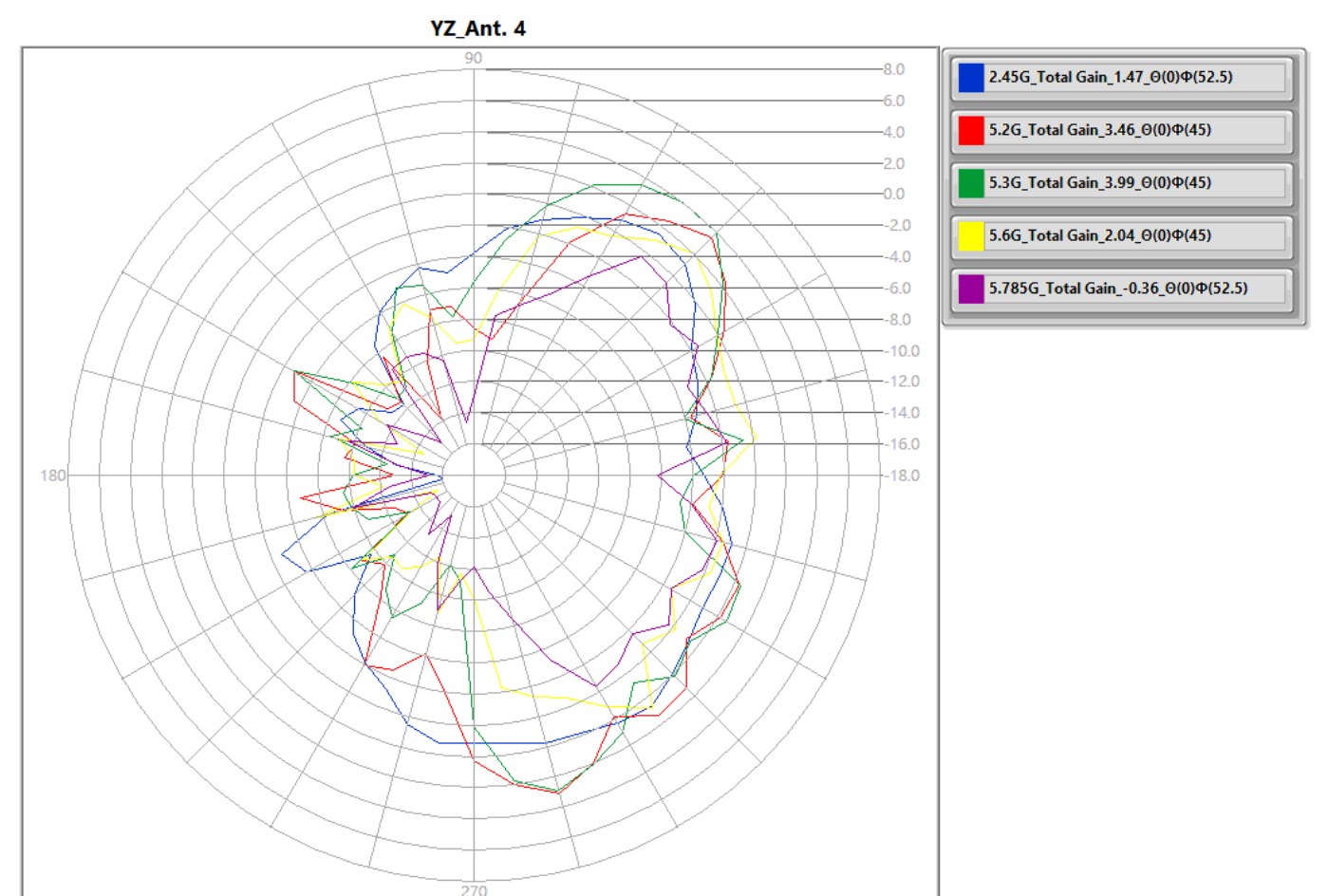
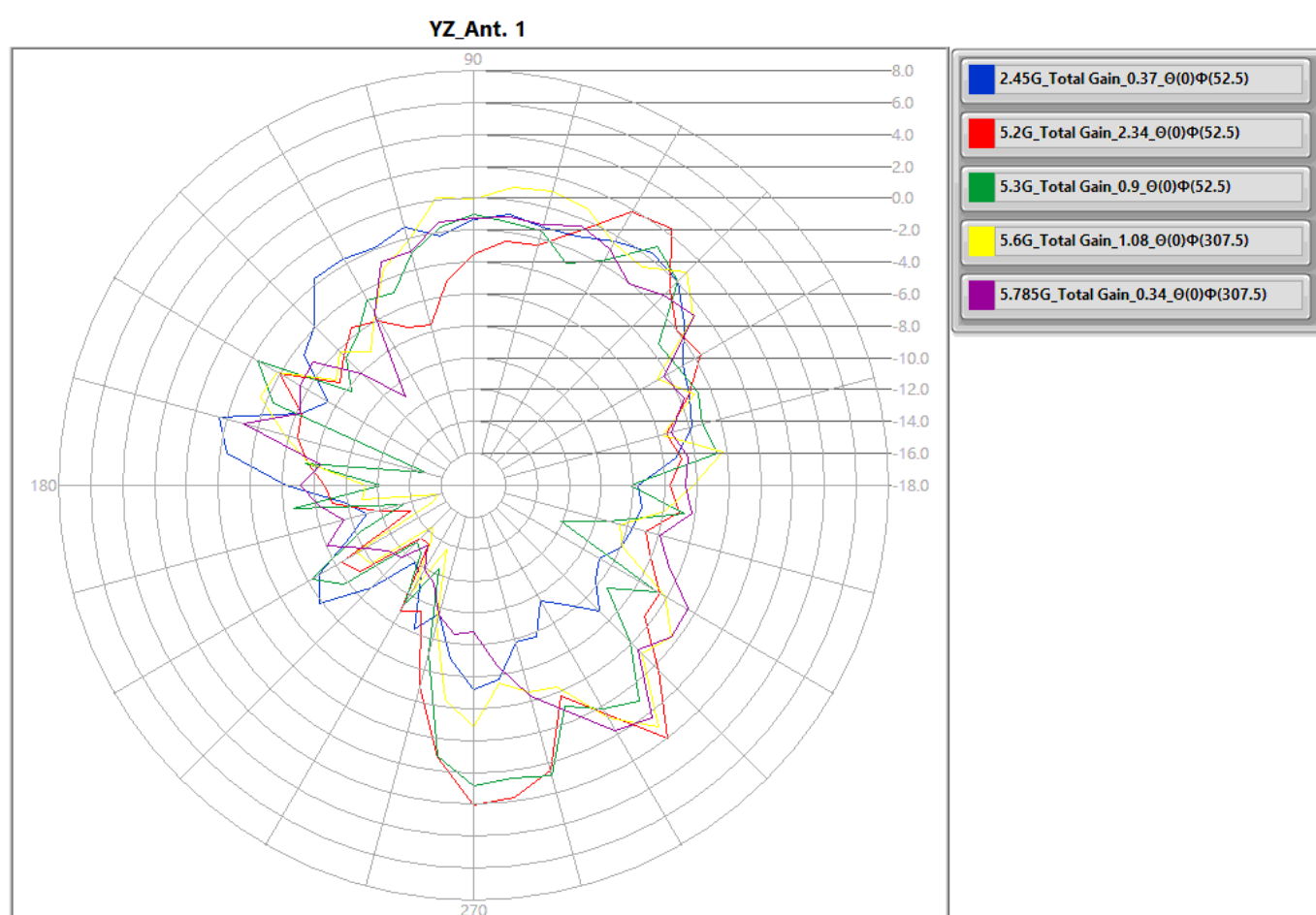
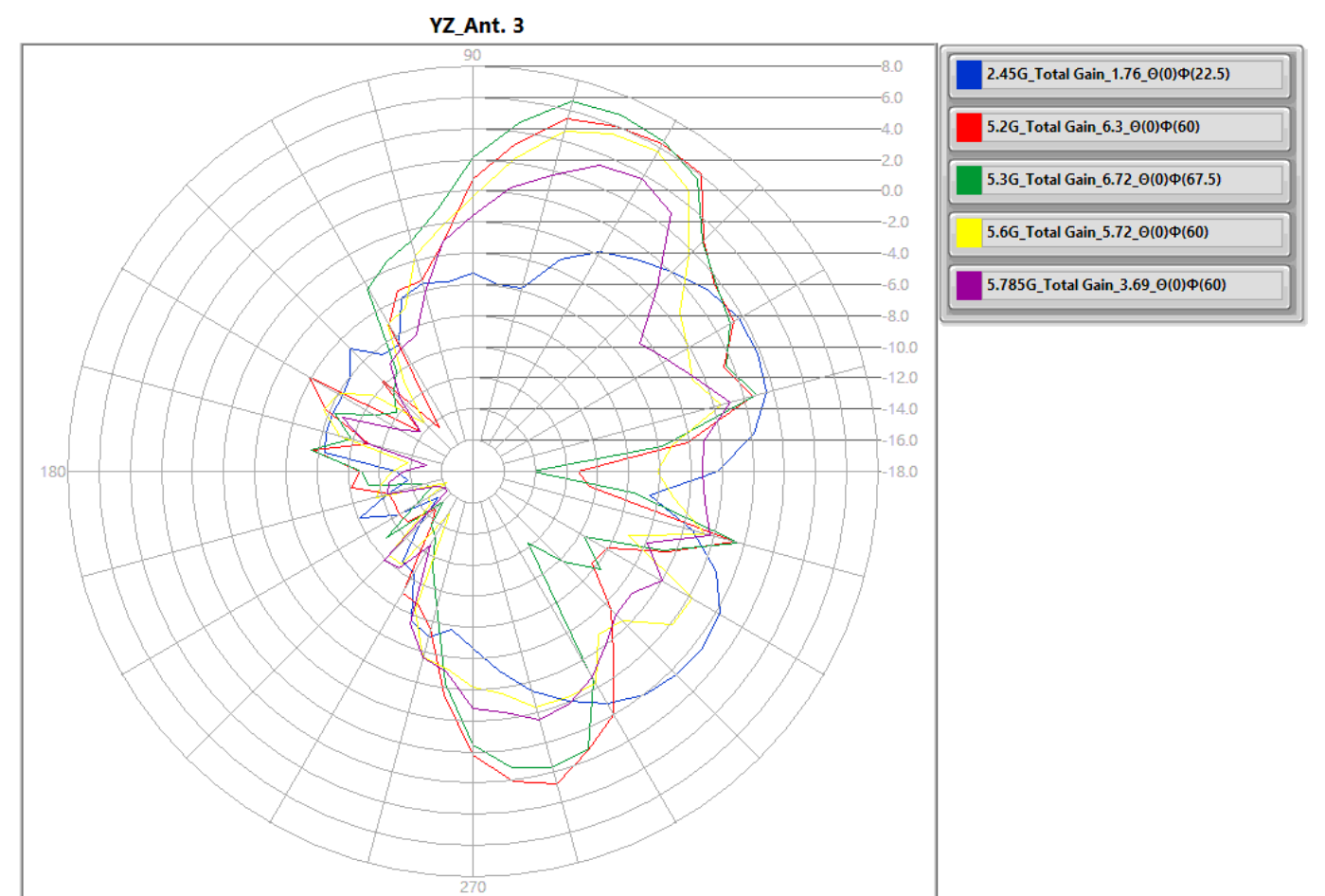
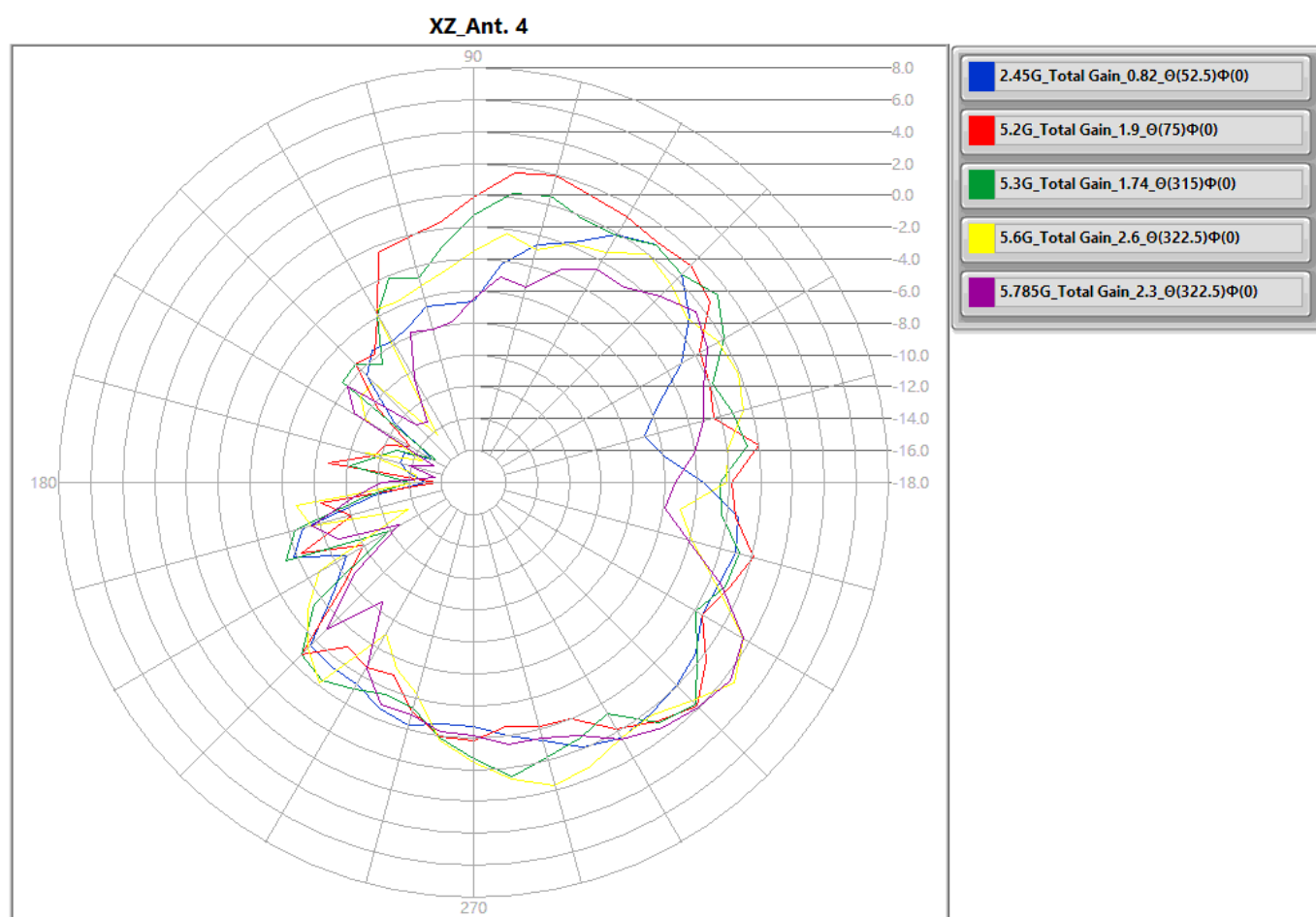
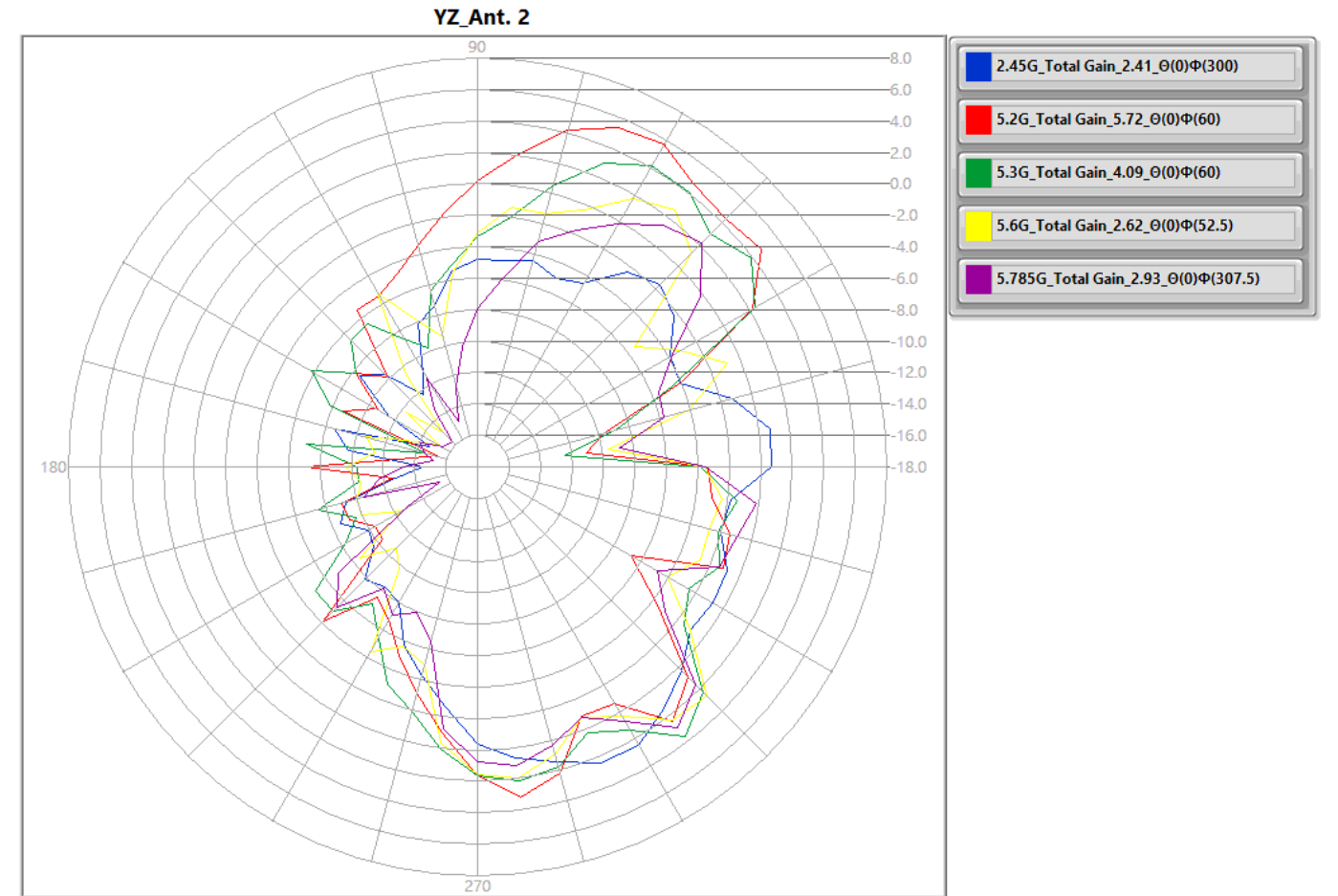
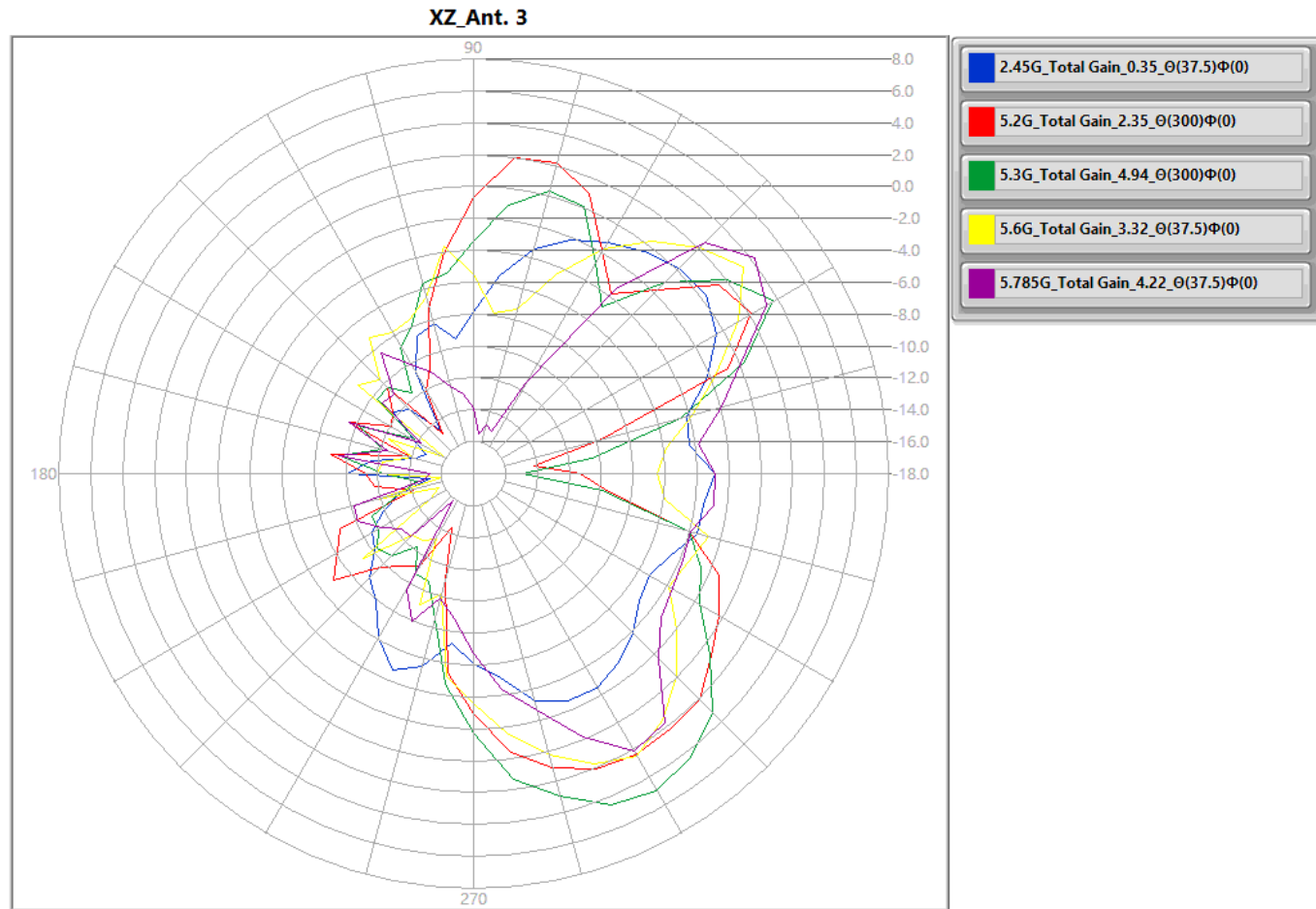






Antenna Pattern of 5GHz/6GHz 5G6G Ant1~4

Appendix B.2

Θ(30°)	1.39/1.40	1.49/0.91	0.22/-0.81	-1.07/-1.11	-1.99/-3.50	-4.90/-6.72	-5.88/-4.57	-2.95/-1.62	-0.84/-0.27	0.30/1.09	1.88/2.48	2.48/2.42	2.73/3.04	3.45/3.13	1.95/1.23	1.73/1.27	-0.20/-1.94	-4.05/-3.95	-2.73/-3.14	-4.04/-3.15	-1.19/-0.69	-1.86/-1.85	-0.63/-0.27	1.40/2.06
Θ(37.5°)	2.16/0.93	0.86/-0.27	-0.94/-1.05	-0.81/-0.07	-0.83/-2.34	-3.58/-5.74	-6.47/-4.51	-3.59/-3.18	-2.58/-1.82	-0.16/-2.10	2.97/2.66	2.92/3.08	2.82/3.31	3.82/4.16	3.29/2.36	2.39/2.68	1.17/-2.53	-4.66/-3.74	-2.36/-1.28	-1.73/-2.20	-1.93/-1.62	-2.38/-2.68	-1.51/-0.73	0.16/1.93
Θ(45°)	0.65/-0.26	0.18/-0.60	-2.51/-2.97	-1.75/-0.56	-0.99/-2.80	-3.16/-2.14	-2.42/-0.90	-1.83/-3.17	-2.30/-2.49	-0.47/-2.19	2.90/2.97	3.98/4.56	4.26/4.19	3.32/4.76	4.33/2.96	1.45/2.12	1.13/-1.09	-2.75/-6.54	-4.03/-2.86	-3.72/-4.36	-3.72/-2.93	-3.28/-3.69	-3.51/-2.50	-0.79/-0.02
Θ(52.5°)	-1.11/-5.04	-6.40/-4.46	-2.39/-1.83	-2.09/-2.31	-2.00/-3.23	-2.78/-0.26	0.61/2.24	0.80/-1.22	-1.50/-2.32	0.03/1.21	2.16/5.52	4.01/4.67	4.52/4.20	2.70/3.88	3.62/2.33	1.44/2.48	0.04/0.01	-1.21/-4.99	-3.10/-2.87	-3.29/-3.80	-4.07/-3.40	-2.30/-2.97	-3.62/-0.58	0.86/-0.50
Θ(60°)	-1.61/-4.18	-2.50/-2.30	-1.04/-3.43	-2.77/-1.30	-1.84/-4.69	-1.47/1.11	1.68/2.72	1.14/-0.97	-0.70/-1.56	0.13/0.66	1.79/3.21	3.36/3.81	3.04/2.65	1.70/1.78	2.92/2.15	0.27/1.76	0.09/0.98	-0.29/-4.01	-1.94/-2.92	-0.84/-1.03	-1.99/-3.85	-5.16/-6.56	-7.65/-3.65	-0.14/-1.83
Θ(67.5°)	-1.36/-0.44	-1.35/-1.46	0.06/-2.90	-3.13/-2.72	-1.28/-3.61	-1.60/1.30	1.89/2.97	1.45/0.02	-0.31/-0.91	-0.44/-0.96	1.67/2.78	2.55/1.28	1.49/1.52	0.70/0.15	1.05/0.07	-0.07/-1.74	-0.07/-1.74	-1.83/-5.50	2.98/1.16	-1.22/-3.27	-1.83/-5.50	-9.00/-7.04	-2.69/-2.14	
Θ(75°)	-0.85/-3.46	-3.52/-1.91	-0.11/-3.34	-4.20/-3.28	-2.92/-3.11	-1.56/0.03	0.15/1.56	0.73/-0.48	-1.41/-2.34	-2.83/-3.06	-0.34/1.22	0.50/0.23	0.51/1.63	0.69/-1.12	0.74/-0.42	-2.21/-0.73	-1.42/-0.30	0.78/-0.31	-0.87/1.40	4.01/2.03	0.52/-1.23	-2.16/-5.61	-6.10/-11.40	-4.81/-1.04
Θ(82.5°)	-3.49/-7.15	-6.62/-4.38	-0.61/-3.32	-4.88/-4.71	-2.03/-3.41	-3.21/-2.18	-2.02/-0.35	-0.29/-1.22	-3.75/-3.16	-3.26/-2.86	-0.91/-0.15	-1.04/-1.41	-0.45/-1.15	0.88/-1.31	0.02/-1.41	-3.42/-2.65	-1.55/-2.02	0.02/-1.63	-1.26/-1.12	3.17/2.24	0.49/-0.87	-2.87/-4.13	-4.23/-2.10	-7.63/-2.69
Θ(90°)	-3.50/-5.94	-6.85/-7.00	-2.36/-2.88	-6.39/-6.05	-4.31/-4.22	-3.93/-3.13	-3.46/-2.35	-2.32/-2.60	-5.17/-3.19	-3.20/-1.19	-2.46/-1.22	-1.55/-1.67	-0.34/1.11	-0.52/-1.91	-0.32/-2.55	-4.95/-2.65	-4.13/-5.02	-0.22/-2.62	-3.86/-0.24	0.05/0.49	0.48/-1.60	-5.36/-5.47	-3.26/-7.14	-7.17/-4.37
Θ(97.5°)	-4.60/-4.73	-8.13/-7.18	-4.00/-4.85	-4.96/-8.23	-5.20/-5.28	-4.50/-6.27	-5.96/-4.14	-3.86/-2.85	-6.64/-3.42	-3.53/-3.03	-3.26/-2.04	-1.66/-1.26	-0.05/-0.00	-1.46/-5.78	-0.65/-3.56	-4.88/-2.73	-2.23/-10.46	-2.67/-2.88	-3.15/-5.33	-4.94/-2.17	-2.26/-4.87	-9.81/-9.36	-4.58/-3.23	-9.69/-9.19
Θ(105°)	-3.63/-3.60	-5.35/-7.36	-7.68/-6.57	-5.94/-10.68	-6.16/-6.66	-4.00/-5.17	-7.30/-4.02	-4.57/-4.40	-8.13/-5.97	-4.22/-3.81	-5.25/-5.63	-5.31/-3.35	-1.05/-0.24	-3.20/-8.08	-2.29/-3.32	-4.90/-5.92	-2.99/-5.16	-3.99/-8.91	-2.88/-2.12	-6.23/-7.17	-8.58/-9.40	-15.05/-9.12	-7.61/-4.21	-9.87/-11.98
Θ(112.5°)	-6.92/-4.37	-8.69/-7.97	-9.00/-8.78	-7.00/-11.52	-6.41/-8.94	-3.89/-5.30	-6.93/-8.37	-6.20/-4.75	-5.52/-7.79	-6.58/-5.88	-6.22/0.04	-5.81/-4.76	-3.31/-2.78	-5.70/-4.82	-3.97/4.00	-2.02/-3.82	-5.09/-11.82	-4.24/-5.38	-3.36/-5.64	-4.68/-4.43	-5.95/-10.60	-11.93/-8.99	-14.35/-10.58	-9.87/-13.33
Θ(120°)	-10.80/-13.89	-14.87/-7.34	-11.72/-12.37	-7.39/-10.02	-4.39/-9.46	-6.81/-5.79	-7.97/-4.71	-5.27/-8.08	-5.83/-7.63	-10.61/-9.67	-7.47/-6.65	-6.80/-5.64	-4.35/-4.50	-6.05/-2.75	-4.46/-7.14	-4.90/-5.62	-5.15/-14.46	-8.08/-5.64	-3.54/-4.09	-6.17/-5.02	-1.92/-5.53	-9.97/-6.24	-14.67/-14.89	-6.14/-9.09
Θ(127.5°)	-13.27/-6.42	-4.65/-6.94	-11.29/-13.86	-9.54/-9.82	-7.32/-10.84	-12.23/-10.98	-12.20/-11.78	-8.38/-11.25	-7.65/-5.04	-5.02/-7.37	-7.58/-4.97	-5.11/-4.21	-3.81/-4.97	-1.95/-2.25	-4.12/-5.89	-6.77/-12.24	-8.18/-10.17	-7.09/-7.57	-7.92/-5.23	-10.04/-10.43	-6.17/-7.48	-14.52/-12.07	-7.99/-15.44	
Θ(135°)	-6.74/-8.75	-6.98/-13.34	-9.90/-8.00	-7.55/-9.21	-10.88/-11.29	-10.43/-10.32	-8.06/-14.29	-13.14/-13.83	-13.04/-6.07	-4.90/-5.79	-5.99/-7.08	-5.08/-4.67	-5.87/-3.18	-2.86/-3.17	-4.19/-4.43	-9.93/-10.24	-9.66/-8.41	-9.36/-15.09	-13.95/-9.12	-13.23/-11.99	-9.95/-9.31	-9.02/-10.39	-7.46/-9.77	-10.95/-11.65
Θ(142.5°)	-6.08/-12.04	-13.53/-9.25	-6.52/-8.23	-10.07/-11.14	-12.21/-14.27	-13.18/-14.26	-12.28/-10.20	-9.23/-7.56	-7.49/-6.57	-4.47/-3.78	-4.18/-4.36	-5.38/-5.28	-4.35/-4.92	-4.69/-5.80	-7.14/-10.48	-11.58/-10.70	-9.36/-14.79	-11.04/-7.02	-9.83/-15.31	-14.99/-12.31	-12.59/-9.72	-6.98/-10.34	-12.98/-7.49	-5.19/-4.93
Θ(150°)	-8.17/-7.53	-6.97/-7.01	-6.57/-1.84	-8.42/-5.76	-5.57/-9.36	-15.24/-13.63	-8.62/-7.89	-8.82/-6.90	-4.89/-4.00	-3.77/-3.96	-3.76/-4.76	-6.93/-8.04	-7.71/-9.25	-9.63/-5.37	-4.81/-7.88	-10.94/-13.82	-12.01/-6.46	-6.65/-5.92	-8.16/-11.50	-11.38/-10.01	-10.09/-13.11	-15.69/-15.26	-13.90/-10.15	-7.53/-5.00
Θ(157.5°)	-14.83/-14.32	-13.20/-11.58	-11.45/-10.72	-6.59/-7.47	-3.98/-5.88	-8.04/-7.81	-7.07/-7.45	-8.20/-8.13	-0.95/-6.29	-6.17/-6.93	-8.26/-9.21	-8.28/-7.63	-7.55/-7.59	-7.77/-7.92	-8.72/-7.95	-7.75/-6.88	-9.47/-11.83	-11.54/-12.58	-14.88/-15.04	-15.41/-11.52	-9.94/-12.09	-9.94/-12.09	-9.94/-12.09	-15.68/-15.34
Θ(165°)	-13.21/-10.41	-9.37/-7.88	-7.24/-6.96	-7.07/-7.41	-8.41/-10.33	-9.95/-8.04	-6.77/-5.89	-6.21/-6.34	-6.38/-8.07	-9.12/-9.84	-10.34/-8.85	-8.75/-9.97	-10.24/-9.10	-8.32/-5.98	-4.11/-3.61	-4.67/-6.41	-9.24/-12.46	-15.91/-14.20	-13.12/-12.64	-12.03/-12.38	-12.75/-11.67	-10.47/-10.86	-11.30/-10.25	-10.41/-12.78
Θ(172.5°)	-5.37/-6.12	-7.28/-6.44	-6.41/-6.57	-6.90/-7.09	-7.17/-7.85	-7.48/-6.03	-5.68/-6.58	-5.81/-6.26	-6.48/-6.47	-6.59/-6.50	-6.44/-6.36	-6.52/-5.65	-5.33/-6.65	-6.17/-6.60	-7.82/-10.30	-13.85/-14.10	-14.18/-12.64	-10.91/-6.92	-9.21/-9.11	-9.09/-8.51	-8.57/-8.32	-7.59/-6.59	-5.87/-5.61	-6.39/-6.61
Θ(180°)	-6.12/-7.26	-8.29/-7.74	-7.62/-7.25	-7.48/-7.27	-7.04/-6.86	-6.44/-6.31	-6.40/-6.78	-6.71/-7.53	-7.85/-7.52	-6.93/-6.89	-6.58/-5.96	-6.37/-7.52	-7.59/-8.63	-10.39/-11.05	-9.85/-8.98	-7.92/-7.23	-7.41/-7.83	-8.46/-9.59	-10.99/-11.19	-10.35/-9.49	-8.30/-7.61	-6.96/-6.27	-5.73/-6.14	-6.67/-6.34
Freq(Hz)	5.3GPol.	Total Ant 2	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-
Gain	Φ(0°)Ψ(7.5°)	Φ(15°)Ψ(22.5°)	Φ(30°)Ψ(37.5°)	Φ(45°)Ψ(52.5°)	Φ(60°)Ψ(67.5°)	Φ(75°)Ψ(82.5°)	Φ(90°)Ψ(97.5°)	Φ(105°)Ψ(112.5°)	Φ(120°)Ψ(127.5°)	Φ(135°)Ψ(142.5°)	Φ(150°)Ψ(157.5°)	Φ(165°)Ψ(172.5°)	Φ(180°)Ψ(187.5°)	Φ(195°)Ψ(202.5°)	Φ(210°)Ψ(217.5°)	Φ(225°)Ψ(232.5°)	Φ(240°)Ψ(247.5°)	Φ(255°)Ψ(262.5°)	Φ(270°)Ψ(277.5°)	Φ(285°)Ψ(292.5°)	Φ(300°)Ψ(307.5°)	Φ(315°)Ψ(322.5°)	Φ(330°)Ψ(337.5°)	Φ(345°)Ψ(352.5°)
Θ(0°)	-5.43/-5.23	-5.50/-5.40	-4.72/-4.28	-4.58/-4.03	-3.96/-3.62	-3.64/-3.89	-3.29/-3.84	-3.23/-4.26	-3.52/-3.67	-4.96/-4.19	-3.54/-4.14	-3.79/-3.21	-3.29/-3.69	-3.45/-3.31	-3.54/-3.78	-3.61/-3.86	-4.09/-4.10	-4.13/-4.15	-4.38/-4.37	-4.87/-5.27	-5.61/-5.30	-5.18/-5.31		
Θ(7.5°)	-5.78/-6.00	-5.87/-6.20	-6.94/-7.74	-9.69/-11.61	-11.55/-8.97	-7.16/-5.79	-4.02/-2.60	-1.63/-1.54	-1.43/-1.69	-1.96/-2.11	-2.52/-2.09	-2.25/-3.39	-2.80/-2.37	-2.17/-1.46	-1.04/-1.41	-1.82/-2.01	-2.17/-2.34	-2.39/-2.89	-3.05/-3.19	-3.70/-4.36	-4.74/-4.22	-4.24/-5.69	-6.74/-6.32	-5.87/-5.98
Θ(15°)	-1.81/-2.86	-3.09/-3.73	-4.82/-4.60	-4.65/-5.11	-5.93/-5.82	-5.46/-6.44	-2.74/-1.60	-1.13/-0.78	-0.58/-0.75	-0.79/-0.50	-0.19/-0.38	0.81/0.58	0.23/0.31	0.58/0.86	0.83/0.32	-0.26/-0.50	-0.56/-0.77	-1.30/-2.36	-3.37/-4.02	-4.22/-3.92	-3.26/-2.84	-2.56/-2.52	-2.34/-2.39	-2.56/-1.85
Θ(22.5°)	1.50/1.01	1.84/1.14	-1.07/-2.68	-4.15/-5.71	-5.82/-5.30	-5.21/-4.51	-4.24/-2.71	-0.98/0.70	2.02/0.33	2.01/2.04	2.52/2.97	3.41/3.20	3.03/3.26	3.27/3.07	2.99/3.52	0.29/0.15	0.19/-0.36	-0.96/-2.19	-3.72/-4.51	-4.79/-4.96	-3.28/-3.47	-2.66/-2.20	-1.08/-0.20	-0.38/0.57
Θ(30°)	2.49/1.79	0.88/0.51	0.25/0.21	-0.16/-1.78	-3.55/-5.66	-8.03/-8.57	-6.37/-4.11	-1.54/0.17	0.69/0.09	0.13/1.17	1.86/2.00	2.46/3.55	4.38/4.54	4.38/4.33	3.94/3.03	2.34/2.09	1.00/0.21	-1.97/-5.25	-3.30/-2.08	-1.98/-1.96	-1.09/-0.61	-0.10/-0.30	0.54/2.19	2.80/2.45
Θ(37.5°)	2.77/2.44	1.70/0.57	-0.79/-0.82	-0.08/-0.43	-1.42/-3.54	-6.38/-9.95	-4.55/-2.40	-2.22/-1.63	-1.95/-1.26	1.26/2.41	2.37/2.97	4.14/4.61	5.13/5.14	4.43/4.70	4.56/3.90	3.51/3.21	2.98/0.89	-4.83/-5.25	-4.48/-2.62	-1.08/-1.21	-1.27/-0.90	-0.14/-0.12	-0.58/-0.50	0.33/1.70
Θ(45°)	2.16/1.42	1.88/0.54	-1.90/-9.00	0.36/-0.30	-2.39/-4.21	-2.47/-3.37	-0.77/0.56	-2.08/-1.89	-1.29/0.32	2.45/2.32	2.93/4.31	4.87/5.26	4.44/4.64	3.40/3.75	4.48/4.12	2.58/2.68	2.58/0.37	-2.49/-6.23	-5.34/-4.30	-4.28/-4.78	-3.23/-1.83	-0.92/-0.58	-1.02/-0.22	0.41/1.17
Θ(52.5°)	0.26/-4.25	-2.55/-1.99	-2.54/-1.06	-0.04/-0.76	-2.77/-7.53	-1.66/1.13	2.59/2.18	-1.89/-1.35	-1.05/0.76	2.08/1.83	3.16/4.89	4.42/4.16	3.48/3.32	2.30/2.92	4.11/3.61	1.03/1.90	1.75/1.33	-0.07/-6.42	-9.94/-6.15	-4.65/-3.52	-4.22/-2.30	-1.91/-1.93	-1.23/1.55	2.92/1.65
Θ(60°)	-0.58/-1.53	-2.56/-0.90	-1.82/-2.07	-0.25/-1.64	-3.29/-5.12	-0.90/2.48	3.12/1.80	0.24/0.26	-1.16/0.52	3.01/0.24	1.63/2.52	2.44/2.14	2.29/3.38	2.51/1.65	2.14/1.23	0.99/2.91	1.38/0.15	0.45/-4.24	-6.41/-3.72	-1.92/-0.50	-2.24/-2.61	-1.12/-2.46	-3.84/-0.14	0.24/-2.58
Θ(67.5°)	-0.52/0.62	-0.72/0.73	0.83/-3.96	-1.89/-2.61	-2.90/-2.34	-0.70/2.20	2.83/1.37	0.48/-1.13	-2.41/-0.22	-0.46/0.35	0.50/0.88	1.02/1.36	1.12/2.53	1.91/0.58	2.52/-0.06	-1.68/0.91	1.24/0.09	0.80/-0.68	-1.11/0.14	1.53/2.13	-0.67/-1.80	-1.42/4.17	-5.13/-3.68	-2.95/-3.68
Θ(75°)	-1.50/-0.21	-1.38/-1.05	0.97/-0.29	-2.00/-2.93	-4.79/-0.95	-1.86/0.99	1.93/0.66	0.22/-1.73	-3.03/-1.51	-1.26/0.20	-1.04/0.16	1.03/0.65	0.45/2.44	2.14/-1.45	-2.11/-0.11	-1.72/-1.66	-0.86/0.03	1.36/0.53	2.07/1.18	1.89/2.88	-1.50/-1.05	-2.50/-5.29	-4.00/-6.18	-4.67/-1.72
Θ(82.5°)	-2.60/-1.83	-2.16/-3.77	-0.71/-6.90	-2.27/-2.76	-2.69/-3.37	-3.44/-0.13	0.13/-1.73	-0.76/-2.99	-3.10/-1.65	-1.21/-0.29	-1.14/0.42	1.03/-0.10	0.20/1.82	1.37/-1.13	0.41/-0.34	-1.48/-2.92	-2.54/-2							



Antenna Pattern of 5GHz/6GHz 5G6G Ant1~4

Appendix B.2

Θ(82.5°)	-1.43/-1.74	-0.77/-0.75	-0.49/-2.12	-2.36/-0.77	0.30/-1.44	-0.17/0.30	-1.58/-0.77	-1.00/0.46	-0.89/0.12	1.11/0.46	0.12/0.32	1.01/-0.59	-1.51/-0.01	-1.22/0.38	0.69/-0.91	-0.75/-1.59	-4.41/0.66	-0.58/1.94	1.13/1.40	0.43/0.29	1.35/1.19	-0.22/-1.94	-1.27/-0.83	-0.93/-1.78
Θ(90°)	-4.26/-4.35	-3.13/-3.46	-2.35/-3.29	-4.70/-3.09	-1.09/-1.95	-1.78/-1.31	-3.47/-2.19	-2.93/-0.60	-1.17/-1.18	-0.02/-0.58	-1.71/-1.78	-0.32/-1.40	-2.79/-1.19	-1.82/-0.84	-1.11/-2.10	-2.39/-3.09	-5.89/-1.64	-2.60/-0.50	-1.27/-1.48	-1.63/-0.58	-0.52/-2.50	-2.28/-4.41	-4.52/-2.64	-2.35/-4.73
Θ(97.5°)	-5.89/-6.63	-5.81/-4.85	-3.96/-5.13	-6.45/-4.59	-2.54/-3.16	-3.30/-1.79	-4.36/-3.04	-4.24/-2.63	-2.69/-2.22	-1.43/-2.38	-2.57/-2.47	-1.83/-2.64	-3.32/-3.27	-2.99/-1.55	-2.69/-2.72	-3.97/-5.51	-8.42/-3.48	-3.78/-2.91	-3.81/-5.45	-7.34/-3.37	-3.21/-6.29	-5.49/-6.18	-6.12/-6.82	-4.10/-7.89
Θ(105°)	-8.66/-8.46	-6.42/-6.28	-6.08/-6.74	-6.98/-6.60	-5.02/-4.81	-6.12/-3.85	-6.57/-4.57	-6.22/-4.90	-2.64/-3.28	-2.66/-2.69	-4.18/-4.07	-2.46/-4.26	-6.05/-4.47	-5.83/-3.54	-4.42/-4.40	-6.77/-5.54	-9.37/-5.88	-6.24/-5.60	-7.73/-13.40	-13.72/-7.73	-8.70/-8.24	-6.40/-8.39	-10.05/-9.72	-6.24/-7.74
Θ(112.5°)	-9.78/-7.38	-5.84/-7.53	-10.09/-7.27	-8.43/-8.15	-7.30/-6.80	-9.20/-7.08	-9.68/-6.09	-5.85/-6.36	-6.03/-3.71	-3.06/-3.91	-8.07/-6.14	-3.84/-5.45	-4.87/-5.33	-7.56/-5.89	-5.97/-5.46	-10.51/-7.38	-10.46/-5.26	-6.34/-5.27	-8.41/-15.29	-15.29/-8.22	-12.78/-8.11	-11.60/-9.15	-10.84/-15.55	-9.49/-9.86
Θ(120°)	-6.89/-7.98	-7.11/-7.76	-13.91/-9.52	-11.94/-9.22	-8.50/-9.64	-11.71/-8.54	-9.61/-7.70	-5.02/-6.29	-6.30/-4.94	-3.18/-3.38	-7.81/-5.53	-4.36/-6.39	-5.62/-5.48	-5.69/-5.73	-8.13/-8.10	-10.21/-6.16	-14.30/-9.85	-6.48/-7.04	-10.06/-11.89	-11.33/-8.60	-9.80/-7.74	-10.35/-12.10	-13.00/-15.03	-14.01/-8.93
Θ(127.5°)	-8.17/-9.19	-8.98/-9.00	-15.12/-11.29	-11.38/-16.10	-9.11/-10.60	-13.84/-8.53	-6.20/-8.39	-6.97/-7.33	-8.17/-7.65	-7.07/-7.85	-6.52/-6.44	-5.53/-7.35	-8.14/-6.33	-5.21/-6.88	-5.24/-9.12	-9.06/-4.74	-9.45/-12.45	-13.78/-11.04	-7.10/-12.00	-10.93/-10.33	-13.96/-9.58	-10.69/-13.40	-11.02/-10.72	-8.31/-7.59
Θ(135°)	-9.07/-8.91	-12.93/-15.30	-14.87/-12.71	-12.12/-14.88	-10.53/-8.22	-11.05/-12.10	-8.29/-8.71	-7.57/-6.74	-9.13/-9.59	-10.50/-7.99	-8.82/-10.17	-12.32/-10.17	-10.44/-6.19	-5.30/-7.85	-7.87/-8.69	-13.21/-10.71	-14.93/-14.71	-14.86/-14.96	-10.71/-10.25	-11.03/-10.69	-10.83/-9.40	-7.31/-8.17	-9.69/-7.74	-7.12/-9.24
Θ(142.5°)	-12.03/-15.53	-13.78/-13.73	-15.14/-12.69	-9.00/-12.67	-13.74/-10.54	-10.49/-11.52	-8.60/-7.01	-6.53/-7.25	-8.38/-9.89	-9.27/-1.44	-7.94/-11.37	-11.82/-11.12	-9.80/-12.51	-15.84/-11.86	-11.75/-14.71	-13.91/-14.19	-12.42/-12.33	-15.12/-12.92	-10.45/-14.42	-15.11/-13.66	-8.75/-11.31	-14.73/-15.54	-10.37/-10.74	-9.54/-11.03
Θ(150°)	-10.59/-14.44	-13.13/-13.43	-11.39/-8.94	-8.19/-8.79	-11.88/-11.18	-9.55/-8.83	-7.33/-5.83	-4.97/-4.96	-5.94/-8.09	-12.08/-14.92	-11.78/-10.37	-10.68/-9.75	-9.49/-10.49	-11.08/-13.48	-13.82/-12.19	-11.71/-13.77	-13.92/-13.51	-13.85/-12.02	-13.35/-16.07	-15.21/-15.04	-13.97/-13.51	-13.12/-15.71	-14.02/-11.62	-9.49/-9.04
Θ(157.5°)	-14.99/-12.71	-9.20/-8.72	-9.75/-9.70	-11.35/-6.02	-8.34/-7.87	-8.32/-9.77	-12.70/-13.20	-10.93/-8.42	-8.07/-8.40	-8.33/-9.53	-13.02/-15.41	-14.64/-11.92	-11.64/-13.41	-14.72/-12.99	-12.33/-12.00	-12.01/-12.49	-14.85/-15.33	-14.75/-15.00	-14.51/-14.45	-14.82/-15.08	-15.71/-15.53	-15.65/-15.42	-15.23/-11.76	-9.51/-11.41
Θ(165°)	-13.20/-11.64	-11.41/-10.25	-10.42/-10.53	-10.63/-10.19	-8.39/-8.35	-9.86/-9.41	-10.23/-10.15	-9.61/-9.29	-8.33/-7.26	-8.01/-9.20	-9.39/-9.99	-12.64/-14.38	-11.65/-10.72	-10.64/-12.21	-14.29/-14.89	-14.65/-14.85	-13.68/-12.68	-12.52/-13.36	-15.23/-15.62	-14.28/-14.09	-10.92/-10.34	-10.94/-12.10	-13.10/-13.35	-12.24/-13.52
Θ(172.5°)	-13.04/-11.84	-12.06/-11.76	-11.37/-11.01	-11.19/-12.22	-13.27/-13.02	-13.10/-12.52	-12.03/-12.28	-12.46/-12.50	-12.02/-10.81	-10.75/-10.60	-10.56/-10.02	-9.43/-10.50	-11.66/-13.41	-15.11/-15.22	-16.06/-13.59	-13.34/-13.40	-13.25/-12.72	-13.60/-15.16	-15.41/-13.44	-11.78/-11.71	-12.49/-11.67	-10.70/-11.61	-13.71/-14.45	-13.97/-14.73
Θ(180°)	-14.54/-13.82	-14.02/-13.98	-15.07/-14.95	-14.46/-15.92	-15.44/-15.24	-15.35/-15.55	-15.18/-13.86	-12.68/-13.05	-13.56/-13.55	-13.30/-12.58	-13.18/-13.22	-12.72/-12.88	-15.47/-14.77	-15.34/-14.34	-14.27/-15.49	-14.68/-15.52	-15.55/-15.03	-16.26/-16.08	-15.19/-15.15	-14.94/-15.50	-13.61/-13.56	-15.07/-15.95	-15.31/-13.96	-13.72/-14.35
Freq(Hz)	5.3GPol	Total Ant.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°)	-13.26/-13.85	-13.86/-13.74	-14.26/-14.81	-14.45/-13.60	-13.25/-13.42	-14.29/-14.88	-14.06/-13.66	-14.94/-15.43	-14.76/-13.34	-15.13/-14.59	-14.37/-14.49	-14.74/-14.32	-13.57/-13.37	-14.70/-15.11	-14.74/-14.83	-15.06/-14.12	-15.63/-15.48	-15.73/-14.99	-15.02/-15.92	-13.76/-13.96	-15.02/-14.94	-14.60/-15.06	-15.32/-15.37	-15.23/-14.29
Θ(7.5°)	-9.51/-9.90	-9.44/-9.22	-8.95/-8.76	-8.56/-8.76	-9.00/-8.84	-8.63/-9.07	-9.39/-9.14	-9.81/-11.53	-9.80/-9.25	-10.63/-11.55	-9.95/-9.39	-10.14/-9.53	-7.52/-6.70	-6.67/-6.85	-6.93/-7.37	-7.58/-7.29	-6.94/-7.48	-8.12/-9.87	-12.13/-13.40	-12.16/-11.73	-13.17/-13.99	-14.48/-14.15	-15.30/-15.32	-11.99/-9.95
Θ(15°)	-10.65/-11.06	-12.38/-10.93	-8.86/-6.51	-5.00/-4.27	-3.86/-3.68	-4.02/-4.90	-5.76/-6.27	-6.00/-5.96	-5.48/-4.96	-5.58/-7.40	-8.36/-8.25	-8.75/-8.49	-6.56/-5.31	-5.25/-6.30	-8.52/-9.62	-8.81/-7.85	-6.90/-6.78	-7.32/-7.60	-7.30/-7.00	-6.92/-6.25	-6.15/-6.36	-6.55/-7.42	-7.64/-8.06	-9.69/-11.25
Θ(22.5°)	-1.10/-1.07	-1.72/-3.17	-5.31/-5.77	-5.07/-3.02	-1.21/-1.04	-1.44/-1.48	-1.01/-0.62	-0.55/-1.08	-1.90/-2.18	-2.44/-3.19	-3.81/-3.99	-4.45/-4.09	-2.62/-2.09	-2.76/-3.77	-3.94/-2.95	-2.87/-3.31	-3.17/-2.78	-3.73/-5.30	-1.71/-5.41	-4.21/-2.26	-0.72/0.21	0.74/0.77	0.32/-0.33	-0.79/-1.01
Θ(30°)	-0.73/-0.62	0.20/0.50	-0.24/-1.32	-1.98/-0.50	0.31/-0.04	-0.09/0.08	0.34/0.55	0.26/-0.25	-0.29/0.07	0.08/-0.67	-1.74/-1.88	-1.18/-1.06	-1.34/-0.72	-0.33/-0.34	-0.22/0.72	0.32/-0.85	-0.79/-0.63	-0.69/-0.84	-0.28/0.87	1.72/2.00	1.44/0.63	1.08/-1.88	1.81/-6.1	1.04/-0.07
Θ(37.5°)	0.90/0.39	-0.88/-0.68	-0.03/0.30	0.79/0.97	1.41/-6.3	1.51/-1.35	0.98/0.62	0.67/-1.33	2.18/2.10	1.42/0.71	-0.41/-0.79	0.91/-8.3	0.81/-1.06	1.96/-1.58	0.85/-1.02	0.23/-0.36	-0.04/0.41	-0.72/-0.37	1.62/2.32	1.88/-1.85	2.56/2.81	2.31/2.46	2.63/-1.91	1.71/-1.48
Θ(45°)	2.67/-3.42	2.62/-0.02	0.66/-1.08	1.78/-1.33	1.86/-2.50	1.98/-1.95	0.98/0.95	2.05/-2.10	2.79/2.90	1.92/-1.33	1.71/-1.60	1.34/-2.58	2.12/-6.1	3.05/-2.0	1.88/-1.50	1.20/0.60	0.42/-1.64	1.77/-1.35	2.83/-4.21	1.12/-2.02	1.95/0.79	1.02/-2.15	2.74/-2.50	2.23/-2.24
Θ(52.5°)	3.96/-1.5	4.76/-0.01	0.82/-0.79	2.22/-3.0	2.08/0.04	2.76/-2.18	1.66/-2.22	2.41/-2.75	2.66/-1.65	1.45/-2.06	2.33/-6.1	1.52/-1.68	1.92/-1.65	2.40/-2.66	3.15/-2.46	2.10/-1.01	-0.12/-2.16	1.99/-2.41	3.37/-2.45	1.70/-2.26	1.51/-0.13	0.19/-1.48	2.28/-2.38	2.33/-0.08
Θ(60°)	4.23/-4.87	4.93/-7.7	1.86/-0.10	2.06/-2.43	2.59/-2.98	2.61/-2.52	1.82/-2.29	2.14/-2.11	2.07/-2.03	2.31/-2.39	2.32/-1.85	0.80/-0.74	1.53/-0.06	0.95/-2.41	2.79/-2.36	2.11/-1.02	-0.06/-2.16	2.46/-1.84	2.63/-0.86	0.29/-0.49	0.61/-1.40	1.26/-1.56	1.66/-1.64	2.01/-3.17
Θ(67.5°)	3.10/-8.3	4.04/-8.1	1.21/-0.62	1.29/-1.99	1.66/-1.95	2.99/-1.52	1.95/-1.77	1.84/-1.95	1.95/-2.94	2.73/-1.93	1.57/-1.48	1.05/-2.25	1.67/-1.56	1.87/-1.42	1.79/-1.36	-2.00/-0.87	2.15/-2.24	2.62/-1.52	1.52/-1.01	0.32/-1.52	1.57/-1.07	1.07/-1.41	0.22/-1.48	
Θ(75°)	0.87/-1.71	2.65/-2.05	0.19/-2.15	-0.20/-1.32	0.34/0.31	1.27/-1.45	1.13/-0.93	1.00/-1.24	0.87/-2.08	1.96/-1.59	1.01/-1.28	1.11/-0.69	0.94/-0.57	0.03/-0.14	1.11/-0.69	1.33/-0.17	-4.96/-1.08	1.41/-0.77	2.66/-2.76	2.11/-0.84	1.03/-1.03	0.49/-0.62	1.03/-0.03	-1.19/-0.85
Θ(82.5°)	-2.14/-0.64	0.58/0.08	-1.58/-3.39	-2.07/-0.34	-1.13/-0.81	0.47/0.06	-0.27/-0.61	-0.00/-0.12	-0.11/-2.4	0.51/-0.08	0.10/-0.09	-0.99/-0.03	0.25/-0.43	-0.17/-1.37	-0.06/-1.07	-0.54/-1.78	-0.18/0.07	1.57/-2.02	1.30/-0.58	-0.75/-0.53	-0.48/-1.05	-0.11/-0.51	-0.96/-3.71	
Θ(90°)	-4.01/-2.79	-1.60/-2.82	-4.45/-3.40	-3.42/-2.74	-3.24/-2.52	-4.00/-1.21	-1.39/-2.51	-2.19/-1.63	-2.22/-0.43	-1.00/-1.70	-0.94/-1.23	-1.65/-1.00	-2.10/-1.67	-1.60/-2.13	-1.49/-1.40	-6.14/-3.45	-1.02/-2.26	-0.14/-0.54	-0.64/-0.99	-2.34/-3.51	-2.26/-3.26	-2.82/-2.38	-1.59/-1.10	
Θ(97.5°)	-5.47/-5.46	-5.38/-5.16	-5.76/-5.34	-3.85/-5.53	-3.73/-3.43	-1.58/-3.26	-4.19/-4.40	-3.17/-1.81	-3.44/-2.51	-2.79/-1.80	-1.71/-2.14	-2.08/-1.60	-2.87/-3.96	-3.41/-3.15	-2.59/-4.10	-1.42/-4.64	-6.96/-5.47	-3.58/-3.83	-5.25/-4.73	-3.64/-0.48	-5.99/-3.33	-4.69/-6.19	-5.52/-3.54	-3.49/-7.34
Θ(105°)	-7.68/-7.57	-6.47/-6.51	-8.70/-7.45	-5.36/-6.08	-4.10/-4.53	-3.06/-4.4	-5.98/-5.53	-5.60/-2.61	-4.15/-5.46	-4.42/-4.64	-3.74/-3.90	-3.08/-2.12	-4.98/-4.82	-3.93/-3.28	-3.86/-5.74	-3.60/-4.91	-7.86/-8.49	-8.00/-6.19	-8.84/-13.71	-8.61/-7.69	-8.21/-6.80	-6.37/-6.13	-7.37/-7.21	-4.88/-4.44
Θ(112.5°)	-9.62/-6.92	-9.25/-6.63	-8.78/-10.06	-6.38/-7.41	-5.20/-5.19	-6.53/-5.17	-8.30/-4.60	-6.71/-5.81	-5.53/-5.39	-4.25/-5.78	-8.32/-7.75	-7.73/-5.01	-4.91/-5.97	-5.43/-3.49	-6.73/-8.38	-1.99/-2.78	-12.46/-5.83	-8.05/-6.36	-9.98/-14.55	-10.30/-9.64	-7.77/-3.55	-9.52/-10.40	-8.04/-11.98	
Θ(120°)	-10.38/-8.36	-7.76/-8.49	-10.52/-8.51	-10.02/-8.63	-8.49/-6.99	-8.01/-4.89	-7.87/-6.42	-6.98/-9.18	-7.54/-5.44	-4.39/-6.49	-9.18/-5.35	-4.50/-5.54	-5.77/-6.47	-8.59/-6.65	-7.08/-9.28	-12.38/-4.70	-14.19/-12.41	-8.11/-2.81	-5.74/-13.12	-15.08/-10.89	-7.30/-2.35	-11.25/-8.90	-9.72/-13.20	-13.55/-10.85
Θ(127.5°)	-8.53/-7.27	-9.23/-10.61	-12.90/-9.90	-13.02/-12.92	-9.68/-9.64	-10.68/-6.61	-6.19/-10.12	-6.25/-5.55	-6.62/-6.07	-6.62/-7.24	-6.23/-5.41	-4.82/-5.83	-5.17/-5.04	-5.96/-8.92	-10.62/-8.47	-8.01/-6.36	-10.38/-13.32	-10.99/-8.92	-7.73/-8.91	-12.79/-9.52	-8.91/-11.51	-15.34/-13.99	-9.35/-12.68	-9.99/-10.3
Θ(135°)	-11.46/-10.																							

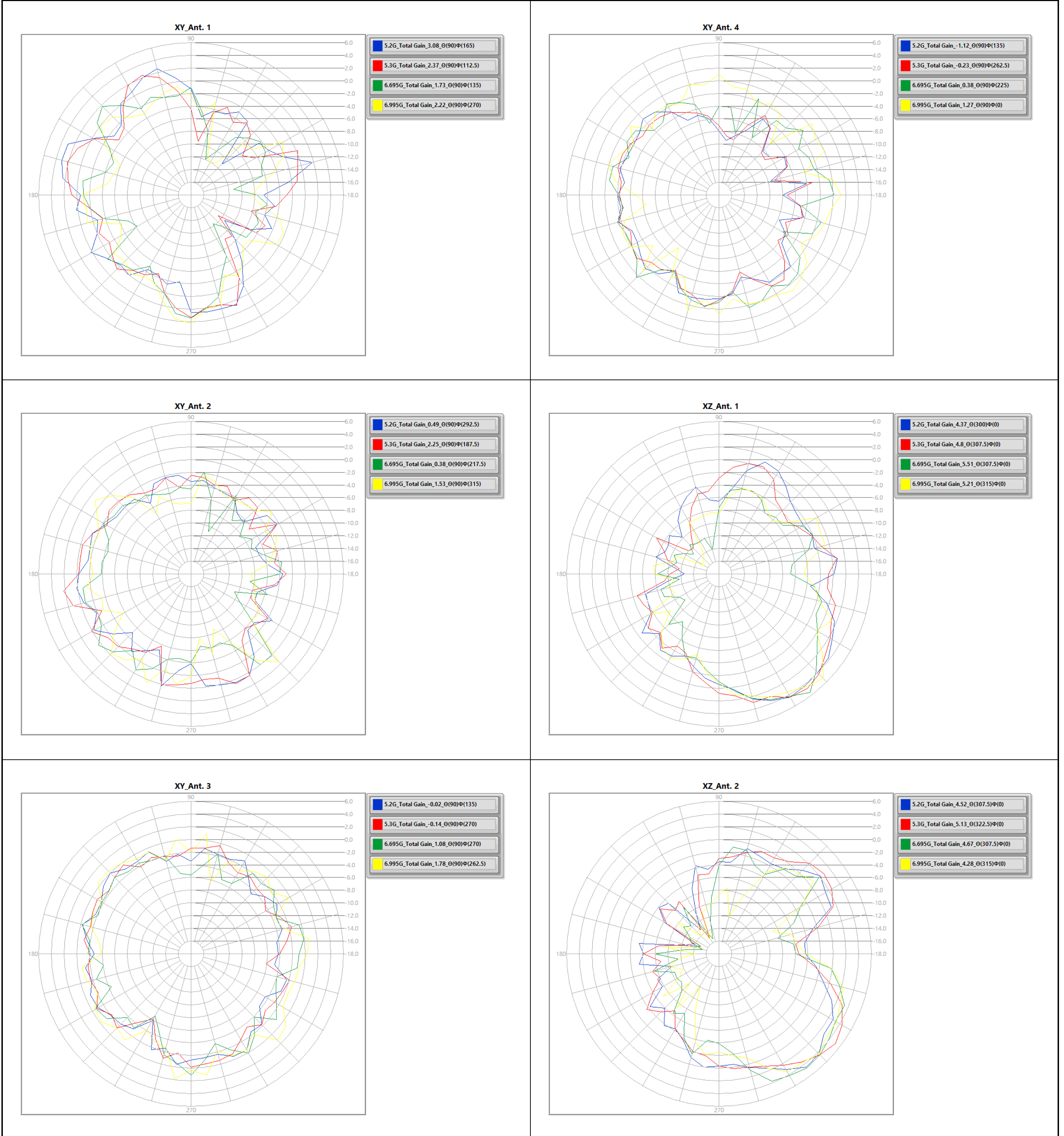


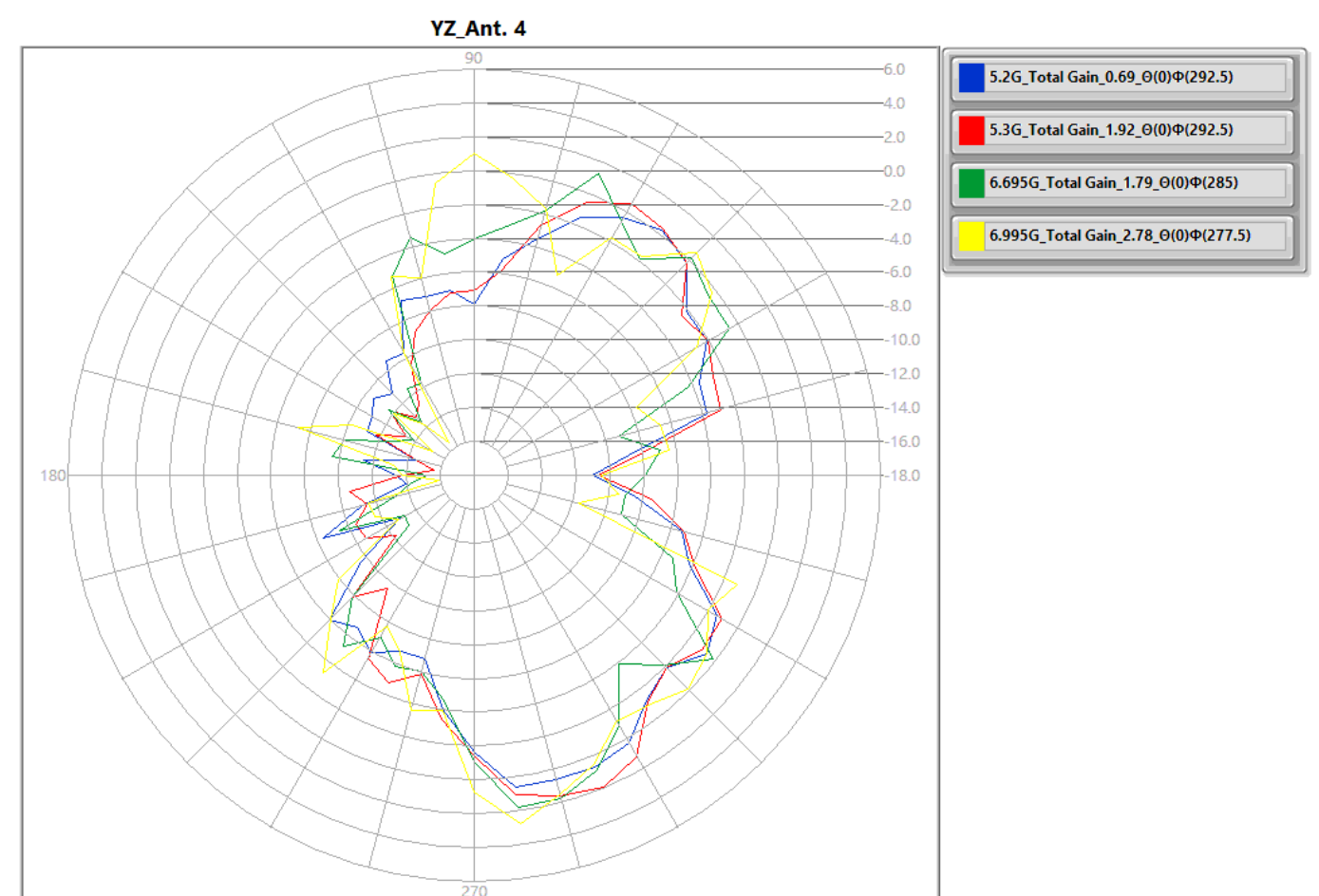
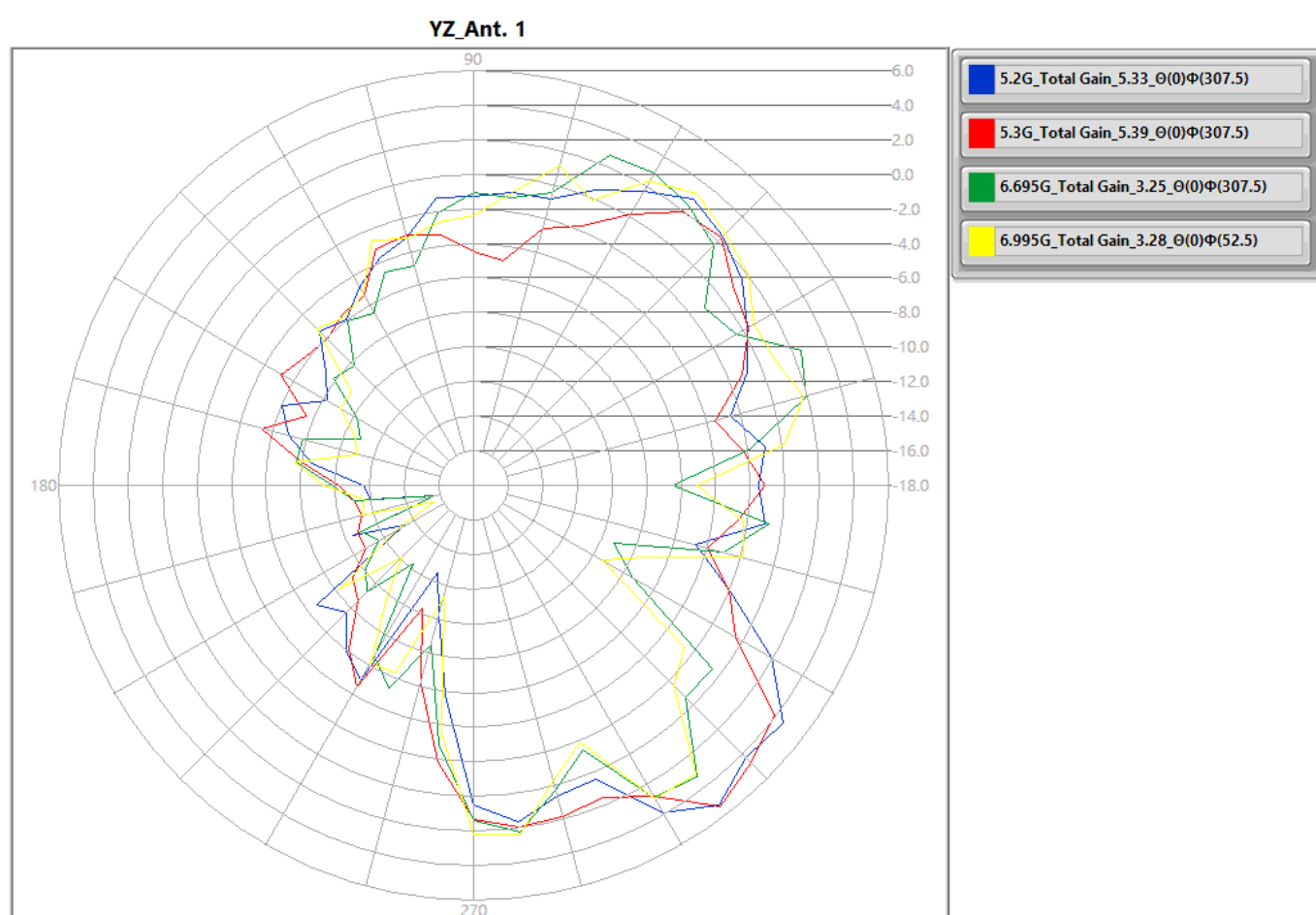
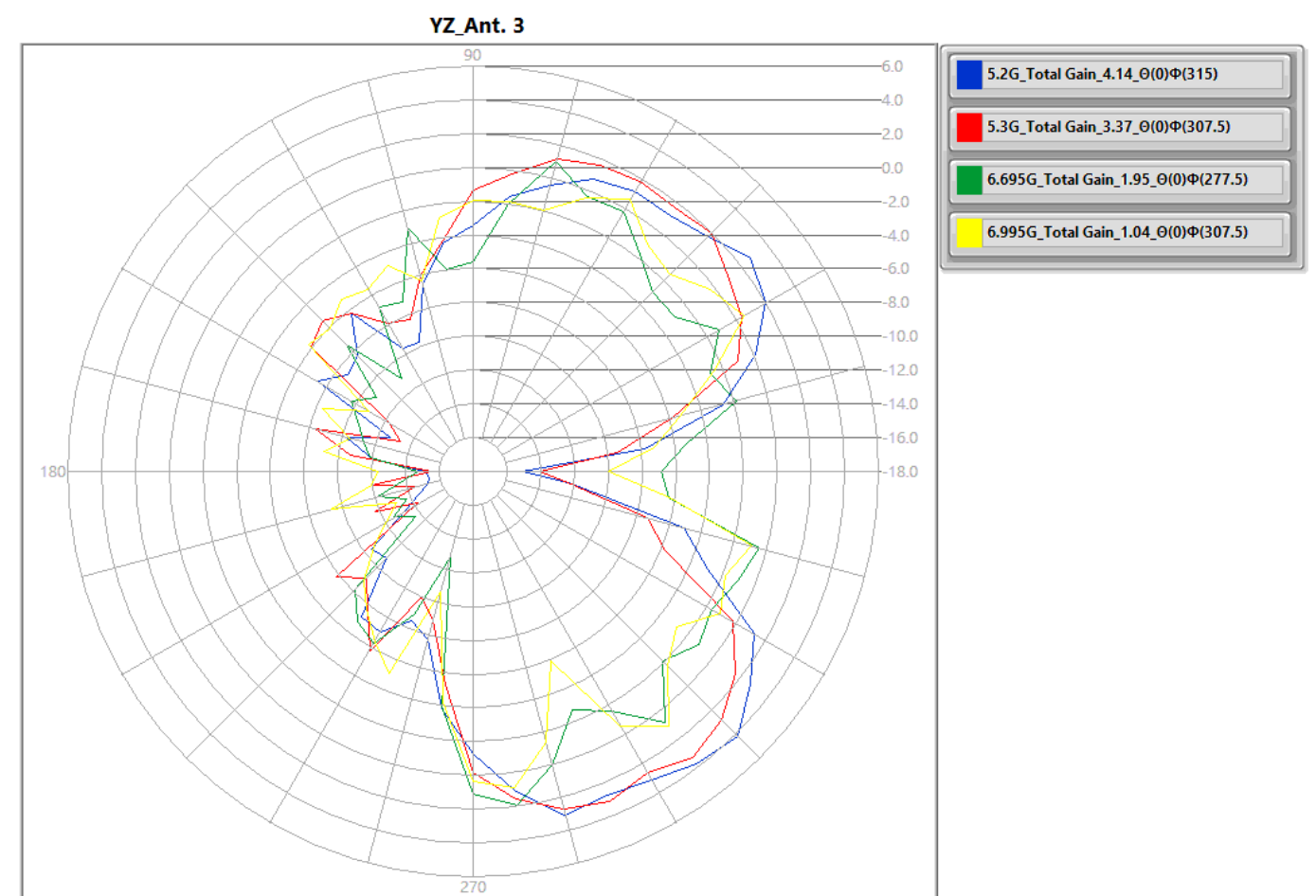
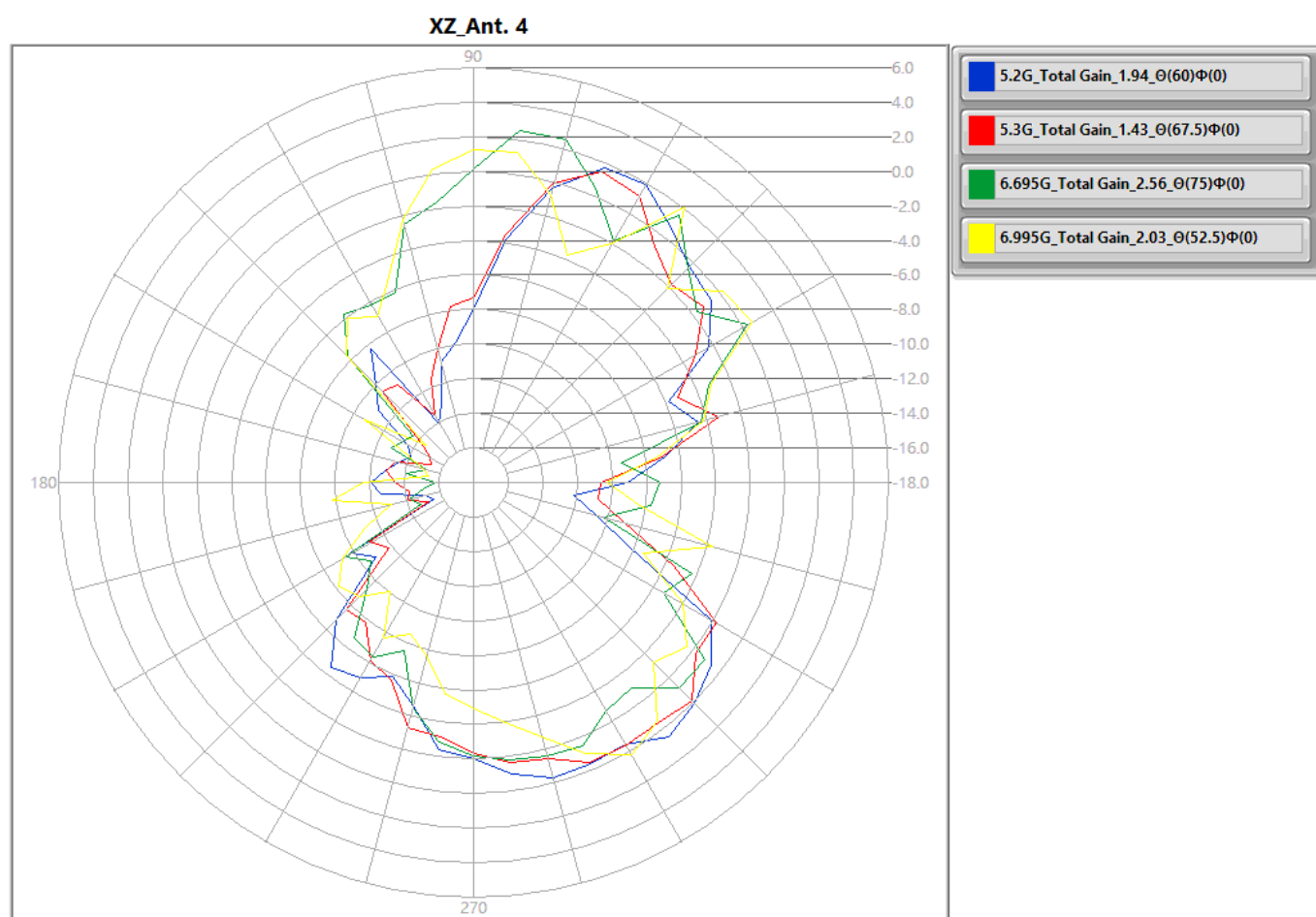
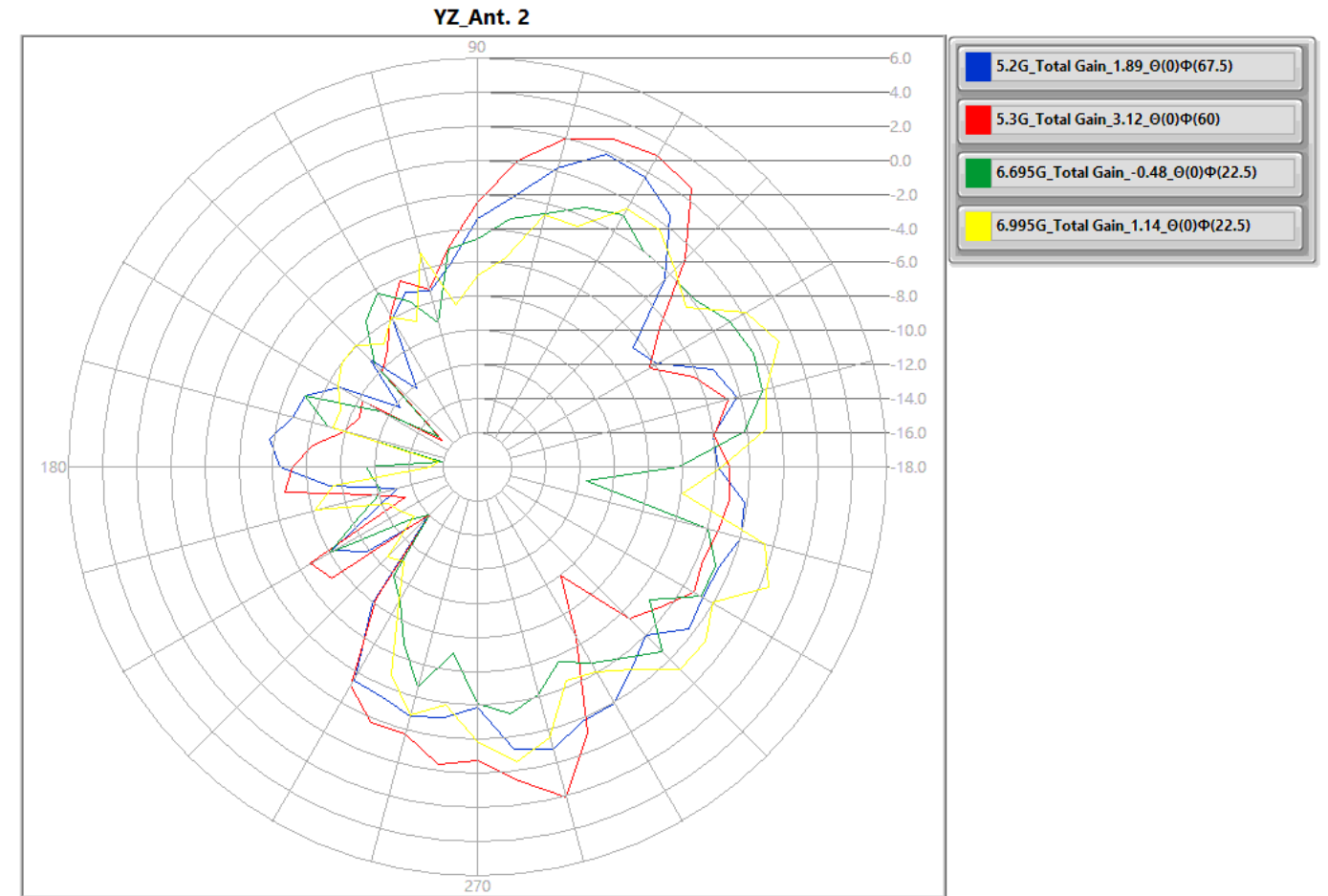
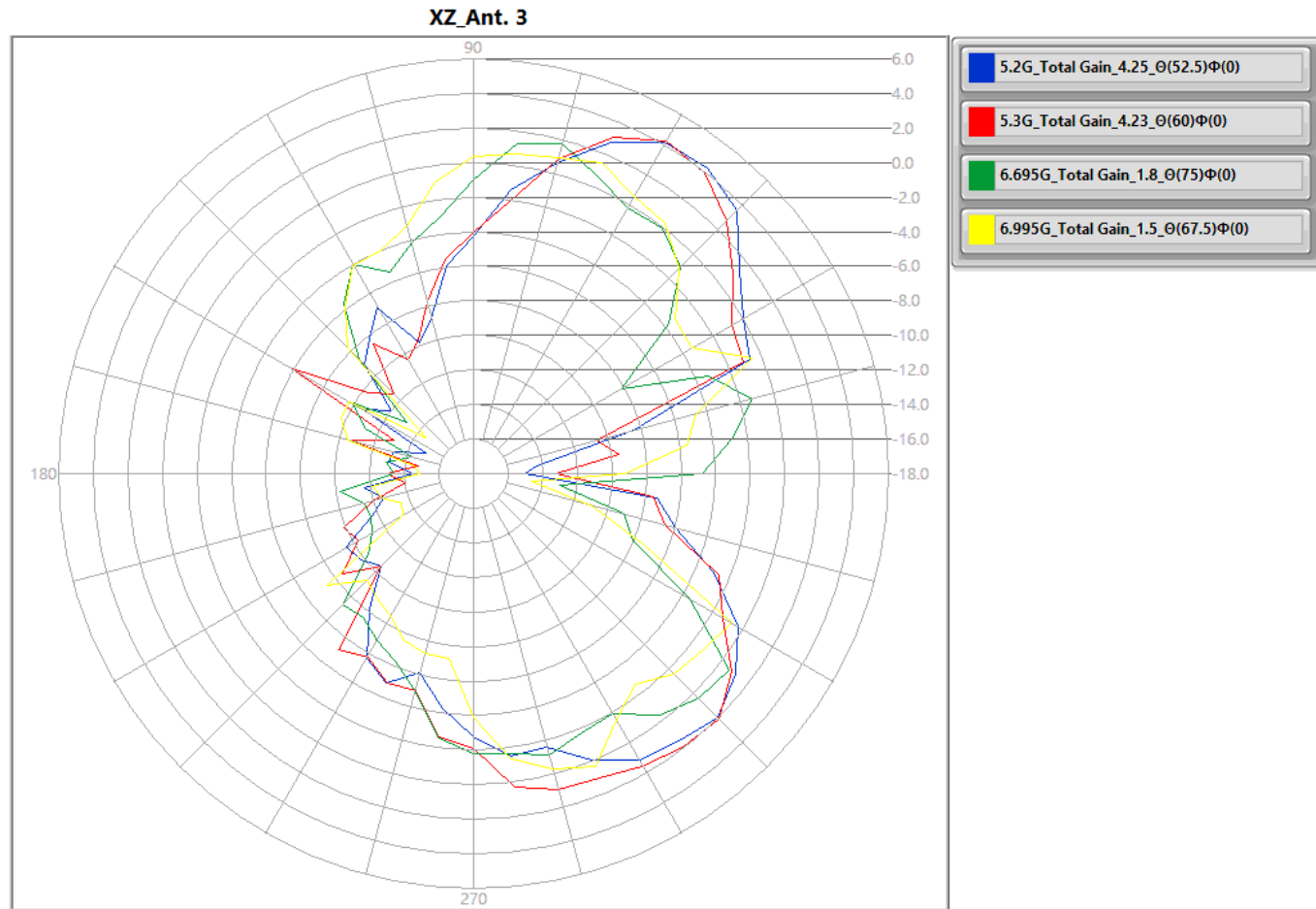
Antenna Pattern of 5GHz/6GHz_5G6G Ant1~4

Appendix B.2

Θ(127.5°)	-8.23/-13.70	-14.89/-10.19	-9.96/-12.15	-15.27/-13.69	-13.52/-12.43	-10.38/-10.90	-9.50/-12.20	-9.83/-13.05	-10.15/-7.64	-8.77/-9.10	-7.65/-5.60	-4.61/-4.82	-4.51/-7.97	-9.52/-11.99	-9.76/-6.34	-6.26/-8.23	-12.28/-11.78	-10.47/-5.79	-6.63/-8.24	-9.66/-12.62	-11.10/-7.59	-9.30/-9.55	-14.47/-11.56	-11.21/-9.25
Θ(135°)	-10.03/-8.08	-8.96/-9.34	-13.12/-12.80	-14.70/-15.46	-12.53/-10.73	-12.31/-14.90	-11.14/-13.38	-14.39/-10.74	-10.67/-7.79	-6.54/-7.41	-7.98/-7.25	-6.77/-5.53	-6.79/-12.50	-10.29/-8.22	-9.07/-8.12	-10.27/-15.80	-12.82/-13.80	-12.71/-7.21	-5.88/-8.86	-10.06/-10.52	-11.50/-12.77	-9.54/-9.55	-10.69/-11.69	-14.47/-15.80
Θ(142.5°)	-11.11/-10.47	-13.85/-15.40	-12.09/-10.71	-12.29/-14.82	-12.41/-11.77	-15.63/-13.40	-10.54/-12.02	-10.35/-8.71	-9.87/-12.72	-10.73/-8.34	-7.67/-7.38	-6.99/-8.67	-10.88/-11.80	-11.77/-10.78	-9.86/-11.81	-15.45/-11.60	-12.30/-12.60	-10.84/-9.29	-9.53/-11.44	-11.00/-14.36	-16.24/-10.36	-10.10/-11.65	-12.89/-9.55	-11.79/-14.01
Θ(150°)	-13.63/-15.42	-15.04/-12.93	-10.32/-9.78	-10.94/-12.59	-11.01/-10.00	-13.04/-13.91	-11.02/-10.60	-14.67/-14.29	-11.21/-9.08	-7.77/-6.81	-7.38/-8.76	-9.72/-9.48	-9.79/-10.35	-11.05/-13.32	-15.80/-12.27	-10.35/-10.41	-11.99/-12.53	-14.19/-13.42	-12.98/-13.81	-15.08/-15.52	-14.69/-11.30	-9.99/-10.62	-11.85/-11.68	-14.02/-13.73
Θ(157.5°)	-14.07/-12.80	-14.56/-14.69	-14.71/-13.88	-13.72/-13.09	-13.40/-13.64	-13.99/-13.28	-11.17/-12.18	-14.71/-12.55	-11.28/-12.96	-14.73/-13.34	-11.62/-12.18	-13.82/-15.64	-15.48/-15.31	-15.29/-14.86	-13.06/-11.45	-11.20/-10.50	-10.68/-11.13	-10.91/-8.80	-8.38/-9.09	-11.07/-12.55	-11.62/-12.30	-13.98/-15.05	-14.64/-12.71	-14.05/-15.16
Θ(165°)	-13.53/-15.13	-14.88/-14.82	-14.36/-13.21	-13.35/-13.62	-14.83/-15.39	-14.77/-14.83	-14.48/-14.81	-15.79/-14.13	-12.68/-12.64	-13.23/-14.31	-14.18/-14.63	-15.36/-15.10	-15.08/-14.64	-13.28/-12.80	-12.15/-12.08	-11.30/-10.58	-10.14/-10.41	-10.49/-10.00	-11.19/-13.93	-15.72/-14.92	-15.61/-13.88	-12.86/-12.90	-12.56/-11.51	-11.01/-11.79
Θ(172.5°)	-12.82/-13.23	-13.90/-15.19	-14.25/-13.50	-13.74/-13.17	-12.41/-11.43	-11.11/-10.91	-11.39/-12.71	-13.57/-13.61	-13.38/-13.66	-15.03/-13.33	-12.40/-12.21	-12.70/-13.48	-12.64/-12.16	-12.83/-12.55	-11.34/-10.94	-11.49/-12.45	-13.63/-15.14	-15.12/-14.94	-13.92/-13.07	-12.48/-12.48	-12.84/-12.84	-14.09/-15.13	-14.14/-14.32	-14.78/-13.42
Θ(180°)	-12.04/-12.57	-13.20/-12.06	-10.56/-9.87	-10.52/-11.53	-12.06/-13.01	-13.26/-12.97	-13.42/-14.89	-15.48/-15.72	-15.01/-14.06	-13.10/-12.54	-11.70/-11.93	-11.85/-12.64	-12.81/-13.11	-13.82/-14.92	-13.84/-13.49	-14.22/-14.83	-15.52/-15.51	-15.62/-14.62	-13.36/-12.90	-13.49/-14.56	-15.81/-15.58	-14.65/-15.34	-14.97/-14.18	-13.00/-11.87
Freq(Hz)	5.3GPol.	TotalAnt.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)°Φ(7.5°)	Φ(15°)°Φ(22.5°)	Φ(30°)°Φ(37.5°)	Φ(45°)°Φ(52.5°)	Φ(60°)°Φ(67.5°)	Φ(75°)°Φ(82.5°)	Φ(90°)°Φ(97.5°)	Φ(105°)°Φ(112.5°)	Φ(120°)°Φ(127.5°)	Φ(135°)°Φ(142.5°)	Φ(150°)°Φ(157.5°)	Φ(165°)°Φ(172.5°)	Φ(180°)°Φ(187.5°)	Φ(195°)°Φ(202.5°)	Φ(210°)°Φ(217.5°)	Φ(225°)°Φ(232.5°)	Φ(240°)°Φ(247.5°)	Φ(255°)°Φ(262.5°)	Φ(270°)°Φ(277.5°)	Φ(285°)°Φ(292.5°)	Φ(300°)°Φ(307.5°)	Φ(315°)°Φ(322.5°)	Φ(330°)°Φ(337.5°)	Φ(345°)°Φ(352.5°)
Θ(0°)	-10.63/-10.68	-9.88/-9.20	-8.98/-9.40	-9.79/-10.04	-10.37/-10.46	-10.44/-10.62	-10.62/-11.25	-11.29/-10.91	-11.39/-11.04	-11.02/-11.25	-10.68/-11.59	-13.17/-13.53	-12.54/-11.38	-11.23/-11.81	-11.13/-11.26	-12.10/-12.48	-13.02/-10.72	-12.75/-12.33	-12.47/-12.35	-12.35/-11.69	-11.71/-10.86	-10.75/-11.03	-10.73/-9.92	-9.54/-9.95
Θ(7.5°)	-7.11/-8.41	-9.15/-8.73	-8.18/-8.57	-9.50/-10.04	-10.01/-8.79	-8.07/-7.57	-7.97/-8.42	-9.40/-10.11	-11.34/-11.96	-12.18/-11.70	-11.54/-13.78	-14.14/-12.42	-10.76/-10.27	-10.46/-10.87	-9.86/-8.82	-9.31/-10.71	-11.19/-10.01	-8.85/-7.86	-7.46/-7.99	-8.61/-9.36	-9.68/-9.35	-10.12/-11.15	-11.16/-10.13	-8.26/-7.05
Θ(15°)	-3.29/-4.12	-5.36/-5.30	-5.24/-5.39	-5.70/-5.96	-5.89/-5.17	-4.18/-3.27	-2.94/-2.98	-3.36/-4.07	-5.14/-5.74	-6.51/-7.52	-8.57/-9.79	-10.96/-10.08	-8.97/-8.26	-7.69/-7.29	-6.25/-5.54	-5.48/-6.13	-6.73/-6.59	-6.25/-5.57	-5.13/-5.07	-5.50/-5.84	-5.73/-5.77	-5.71/-5.49	-5.05/-4.56	-3.98/-3.40
Θ(22.5°)	-5.24/-5.08	-5.63/-5.33	-4.43/-3.33	-3.26/-3.43	-3.92/-4.17	-3.92/-3.34	-2.69/-1.76	-1.53/-1.61	-1.79/-2.13	-3.48/-5.45	-6.38/-6.36	-6.09/-5.86	-5.42/-4.57	-4.24/-4.83	-5.38/-4.88	-4.86/-5.21	-5.46/-5.35	-4.75/-4.00	-3.96/-5.04	-7.01/-7.22	-5.74/-4.43	-3.21/-2.29	-1.81/-2.07	-3.29/-4.79
Θ(30°)	-3.17/-1.99	-1.88/-2.15	-2.66/-2.36	-1.85/-1.92	-1.99/-1.62	-1.86/-2.47	-2.04/-0.54	0.410.49	0.18/-0.57	-2.34/-3.67	-2.71/-1.88	-2.12/-2.23	-1.79/-1.12	-0.67/-1.16	-2.55/-3.38	-3.48/-3.49	-3.78/-4.41	-3.73/-2.06	-1.09/-1.44	-3.05/-3.65	-3.34/-3.00	-3.11/-2.30	-1.67/-2.15	-3.53/-3.99
Θ(37.5°)	-1.25/-0.24	-0.20/-0.63	-0.510.63	1.30/-1.33	0.54/-0.56	-1.42/-2.13	-2.52/-1.32	0.140.86	0.910.04	-1.60/-1.90	-0.83/-0.63	-1.24/-1.61	-1.80/-2.42	-2.43/-2.39	-2.70/-2.86	-2.23/-1.85	-1.72/-1.90	-2.71/-2.58	-1.06/-0.33	-0.36/-0.37	-0.09/-0.13	-0.63/-1.59	-3.93/-5.41	-4.02/-2.21
Θ(45°)	-1.79/-0.77	0.600.32	-0.14/-0.05	0.720.30	-0.39/-0.56	0.290.42	-0.22/-0.07	-0.010.51	0.750.38	-0.62/-1.32	-0.70/-0.28	-0.19/-0.12	-0.13/-0.49	-0.71/-0.98	-1.08/-0.89	-0.89/-2.26	-1.10/-0.49	-1.73/-2.37	-1.88/-0.96	-0.49/-0.38	0.61/-1.1	0.560.14	-1.24/-2.50	-2.42/-1.63
Θ(52.5°)	-0.74/-0.77	0.62/-0.17	-1.04/-1.27	-0.47/-0.63	-0.450.90	2.19/-1.41	0.360.22	0.45/-1.30	1.150.50	-0.22/-0.26	0.560.57	-0.09/-0.60	0.710.44	-0.75/-1.02	0.18/-1.15	-1.020.10	-0.19/-1.39	-1.15/-1.29	-0.78/-1.19	0.170.55	-0.380.13	0.540.40	-0.63/-1.00	
Θ(60°)	1.120.67	0.450.57	0.60/-0.04	-0.420.12	0.83/-1.35	2.69/-1.78	0.56/-0.70	-1.520.36	1.220.73	-0.32/-0.71	0.190.09	-0.73/-0.86	-0.420.38	0.82/-0.1	0.980.61	0.79/-0.65	-0.910.21	-0.230.19	1.180.57	-0.23/-0.55	0.54/-0.10	-0.36/-1.14	1.09/-1.01	1.20/-1.52
Θ(67.5°)	1.430.88	-0.61/-0.36	1.190.09	-0.870.61	1.71/-1.13	1.070.02	-0.58/-1.21	-2.36/-1.06	-0.050.22	-0.01/-0.53	-0.08/-0.45	-1.05/-0.53	-0.50/-0.44	-0.11/-0.22	0.230.49	0.06/-1.63	-1.180.01	0.560.13	1.920.91	-0.61/-0.05	1.250.22	0.010.39	-0.590.00	1.352.30
Θ(75°)	-0.110.52	-1.76/-2.76	-0.25/-0.98	-0.270.61	0.04/-0.53	-0.69/-1.97	-2.71/-3.21	-3.61/-1.62	-0.59/-1.03	-0.53/-0.71	-0.150.29	-1.05/-1.03	-1.45/-1.68	-0.38/-0.43	-0.250.25	-0.57/-2.23	-1.49/-0.15	0.84/-2.14	1.610.90	-1.65/-0.80	1.040.96	0.68/-0.23	-1.79/-1.22	0.580.94
Θ(82.5°)	-3.51/-1.46	-5.07/-5.29	-2.43/-3.89	-5.42/-2.60	-2.00/-2.50	-4.25/-5.78	-5.84/-4.63	-4.13/-3.00	-1.70/-1.13	-1.09/-1.85	-1.57/-1.56	-1.61/-1.76	-1.68/-1.73	-0.96/-1.95	-0.61/-0.52	-2.07/-2.22	-2.12/-1.06	0.33/-1.59	1.02/-0.32	-2.73/-1.16	0.31/-0.02	-0.78/-2.32	-3.14/-3.09	-1.24/-1.32
Θ(90°)	-7.27/-3.26	-8.96/-6.33	-5.85/-8.89	-8.56/-4.77	-3.51/-6.10	-9.86/-8.62	-7.06/-5.50	-4.59/-3.94	-2.95/-2.57	-2.47/-2.79	-1.88/-1.51	-1.54/-2.47	-1.68/-2.93	-2.12/-1.59	-2.94/-3.12	-4.30/-2.19	-1.77/-0.23	-1.40/-3.99	-5.46/-3.56	-1.45/-1.17	-3.38/-6.31	-5.35/-6.70	-4.36/-5.01	
Θ(97.5°)	-7.77/-6.20	-11.73/-7.33	-9.67/-12.20	-9.48/-5.43	-7.18/-10.96	-13.33/-9.71	-7.106.08	-5.85/-4.58	-3.21/-2.55	-2.83/-2.02	-2.26/-2.98	-3.14/-4.09	-3.92/-2.89	-2.42/-3.77	-3.66/-2.94	-2.53/-3.53	-5.95/-4.68	-3.77/-3.06	-3.46/-2.99	-9.15/-7.39	-1.32/-2.16	-6.99/-9.49	-9.96/-8.58	-5.90/-7.92
Θ(105°)	-9.98/-8.31	-13.95/-8.77	-15.24/-14.32	-9.49/-9.45	-13.50/-13.86	-9.44/-8.59	-7.96/-7.07	-5.49/-4.76	-5.43/-3.89	-4.21/-4.94	-3.70/-3.63	-3.44/-4.09	-3.33/-2.88	-4.15/-6.58	-6.59/-4.06	-2.80/-5.13	-7.36/-7.13	-6.32/-4.41	-5.84/-10.10	-10.51/-13.12	-6.64/-7.40	-10.07/-10.93	-7.81/-9.17	-7.08/-10.66
Θ(112.5°)	-11.58/-15.45	-12.79/-10.04	-12.81/-11.24	-10.84/-12.06	-15.78/-11.96	-8.20/-7.93	-8.80/-6.38	-6.54/-5.94	-5.87/-4.34	-4.93/-6.09	-4.72/-4.52	-4.52/-4.84	-5.59/-3.91	-6.17/-8.41	-6.50/-3.91	-4.68/-6.05	-6.72/-6.81	-5.15/-6.49	-4.77/-12.00	-10.51/-13.46	-6.26/-7.61	-10.93/-9.16	-11.21/-14.41	-7.99/-9.71
Θ(120°)	-13.52/-14.83	-10.67/-10.03	-8.13/-9.19	-14.44/-11.18	-11.14/-11.67	-9.43/-8.50	-10.59/-9.54	-8.50/-7.82	-8.39/-8.01	-5.11/-6.35	-7.02/-6.90	-5.30/-4.56	-6.09/-4.33	-6.59/-8.25	-5.30/-6.94	-5.30/-6.57	-9.81/-9.77	-5.74/-7.04	-5.48/-8.88	-7.27/-13.02	-3.95/-3.55	-7.98/-9.42	-11.36/-15.05	-12.10/-4.82
Θ(127.5°)	-10.84/-15.58	-15.39/-11.18	-9.10/-12.08	-14.16/-12.50	-12.72/-12.18	-12.03/-9.42	-12.69/-11.08	-11.14/-12.67	-9.07/-11.21	-9.39/-7.46	-7.49/-7.53	-5.75/-6.91	-7.80/-7.92	-9.40/-11.21	-14.80/-9.46	-6.02/-8.48	-14.41/-8.29	-8.19/-7.65	-9.56/-8.57	-7.61/-10.80	-8.47/-7.15	-8.82/-10.63	-11.26/-12.28	-9.67/-9.66
Θ(135°)	-10.53/-8.82	-12.41/-15.43	-15.84/-12.64	-15.11/-14.02	-13.22/-13.65	-16.00/-11.98	-13.15/-13.96	-11.24/-15.09	-12.74/-11.01	-10.56/-8.91	-7.33/-9.57	-7.30/-7.29	-7.59/-10.39	-13.37/-11.00	-8.81/-7.51	-8.41/-14.50	-14.41/-9.22	-8.20/-6.51	-7.84/-11.05	-10.43/-12.95	-9.32/-8.16	-9.68/-14.21	-13.08/-9.48	-11.09/-15.43
Θ(142.5°)	-14.19/-14.10	-14.68/-11.24	-9.37/-12.19	-13.57/-15.01	-11.37/-11.51	-12.47/-9.80	-11.76/-13.28	-10.43/-10.36	-12.38/-14.14	-10.59/-8.83	-8.84/-7.63	-7.14/-8.59	-11.78/-12.77	-10.66/-9.30	-8.19/-9.00	-10.45/-12.15	-15.17/-10.51	-10.73/-11.91	-12.20/-8.25	-7.18/-14.00	-14.72/-9.80	-9.07/-10.51	-12.25/-9.61	-11.02/-14.31
Θ(150°)	-15.04/-13.72	-13.31/-16.01	-14.86/-15.76	-15.49/-14.40	-13.85/-15.66	-15.70/-14.55	-13.35/-14.59	-11.88/-11.19	-12.48/-13.07	-10.93/-8.59	-9.38/-11.52	-11.30/-10.35	-11.09/-12.56	-12.14/-12.34	-14.69/-11.16	-8.34/-8.34	-9.45/-10.97	-15.62/-13.42	-10.58/-11.25	-14.60/-14.70	-11.08/-8.71	-9.48/-10.79	-11.76/-12.88	-15.56/-15.06
Θ(157.5°)	-15.31/-13.61	-14.76/-15.45	-15.05/-15.49	-14.90/-15.36	-15.27/-14.93	-13.55/-11.51	-11.71/-12.66	-13.26/-12.51	-12.18/-12.80	-14.32/-11.54	-10.45/-10.63	-12.37/-14.56	-15.15/-15.28	-15.70/-15.50	-14.98/-15.34	-14.14/-11.31	-9.51/-9.82	-11.30/-10.63	-10.46/-11.07	-11.15/-9.66	-8.66/-9.32	-12.67/-15.32	-11.75/-8.19	-8.80/-15.81
Θ(165°)	-13.32/-13.93	-14.59/-15.48	-15.06/-15.38	-15.33/-14.68	-14.73/-15.63	-15.16/-15.01	-14.43/-13.92	-13.34/-13.56	-12.36/-11.95	-11.63/-12.31	-12.35/-11.66	-11.48/-13.22	-14.04/-13.93	-14.02/-13.42	-11.76/-10.77	-9.99/-8.60	-9.87/-11.19	-12.54/-11.73	-11.49/-11.37	-11.47/-12.09	-11.12/-11.22	-14.03/-15.33	-14.46/-13.21	-12.31/-12.43
Θ(172.5°)	-12.88/-14.99	-13.59/-13.46	-13.66/-13.43	-13.02/-12.46	-12.69/-13.05	-13.56/-14.77	-15.61/-15.37	-16.0																

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







Antenna Pattern of 6GHz_6G Ant1~4

Appendix B.3

Θ(22.5°)	-0.040-0.02	-0.41/-0.39	-1.29/-2.54	-1.83/-0.54	0.64/1.12	0.890-28	-0.54/-1.88	-3.95/-5.79	-6.06/-5.32	-4.39/-3.16	-2.84/-4.81	-7.69/-6.31	-3.06/-1.41	-1.88/-3.14	-2.71/-1.78	-1.85/-2.71	-3.16/-2.98	-2.05/-1.17	-0.65/-0.35	-0.32/-0.47	-0.43/-0.05	0.46/0.61	0.18/-1.19	-1.90/-1.19
Θ(30°)	-0.90/-0.89	-0.09/-1.12	-0.10/-1.48	1.43/2.92	1.90/0.39	1.20/1.77	1.21/0.38	-1.86/-6.08	-8.20/-9.89	-10.04/-6.65	-7.33/-8.00	-10.45/-9.01	-6.58/-3.84	-3.46/-1.78	0.45/-0.77	-0.12/-1.85	-4.28/-0.64	-4.95/-3.12	-1.92/-1.62	-2.03/-1.97	-0.11/-1.00	0.78/0.75	0.62/-0.94	-0.87/-1.94
Θ(37.5°)	-0.26/-2.66	-0.46/-1.64	-0.51/0.65	0.06/4.33	2.10/1.00	2.61/2.65	1.86/2.41	1.98/-0.37	-3.83/-3.74	-3.71/-5.32	-7.37/-6.39	-6.55/-3.23	0.28/0.45	0.78/-1.15	-3.14/-3.67	-5.63/-6.43	-6.38/-7.96	-11.82/-1.71	-9.90/-8.53	-8.09/-4.36	-1.27/-0.14	0.30/0.59	-0.20/-0.17	
Θ(45°)	1.14/-1.03	1.16/3.15	1.65/0.34	4.25/4.27	2.91/2.57	3.34/2.88	2.68/3.26	2.38/-0.32	-6.69/-6.61	-3.00/-2.86	-0.95/0.07	-0.98/-2.92	-1.37/0.79	1.99/0.39	-2.41/-7.74	-4.98/-2.06	-1.41/-2.58	-5.85/-5.60	-6.63/-8.71	-7.29/-5.38	-7.68/-7.99	-4.54/-4.10	-3.35/-1.67	2.17/0.84
Θ(52.5°)	2.67/2.96	3.65/3.89	2.57/4.21	4.01/4.93	4.08/3.28	2.72/2.13	2.40/2.30	2.22/2.05	-3.10/-3.77	-1.88/-0.40	1.45/1.74	1.71/-0.40	-0.59/-1.18	1.97/-2.47	-3.57/-2.35	-2.08/-1.86	-2.73/-2.68	-2.80/-1.74	-2.03/-5.74	-5.80/-4.74	-3.61/-4.07	-4.91/-2.14	-1.38/0.28	3.30/2.36
Θ(60°)	1.59/4.19	5.08/2.33	2.90/5.02	4.12/4.53	3.37/1.77	0.79/0.75	-0.17/-2.10	-0.80/-0.69	-1.13/-3.71	3.15/2.77	2.16/2.34	3.52/7.77	2.61/1.24	2.41/-0.41	0.79/1.83	-0.39/-2.05	-1.24/-1.42	-2.13/-0.72	-0.18/-0.01	1.43/0.38	-2.15/-1.10	-4.69/-4.55	0.13/-0.69	3.45/2.00
Θ(67.5°)	-0.93/4.39	5.84/2.00	2.79/4.02	2.70/3.66	3.25/0.74	1.67/1.87	3.37/2.23	0.69/0.60	-2.53/-1.04	3.67/3.48	2.93/2.12	3.04/3.79	3.86/2.45	2.03/-1.40	2.74/2.01	1.05/0.64	0.00/-1.70	-2.24/-1.97	-1.59/0.27	2.83/-1.68	-0.85/0.69	-0.43/-3.97	0.35/2.85	3.51/-1.55
Θ(75°)	-1.92/2.91	4.69/0.20	1.19/2.25	1.13/0.66	1.08/-1.04	1.27/2.27	4.13/2.57	1.13/-1.20	-4.37/-0.31	3.45/3.25	0.93/-1.46	4.61/3.23	1.35/2.36	2.71/2.08	2.79/-1.63	0.76/-1.45	-0.70/-1.85	-3.63/0.40	3.75/2.81	-0.12/-1.27	0.25/-0.41	-2.19/-1.47	2.50/-1.57	
Θ(82.5°)	-3.56/-1.66	4.15/-0.58	-0.47/0.20	-1.83/-2.99	-0.70/-3.54	0.71/-1.45	2.16/-1.44	0.20/-4.18	-7.05/-0.68	1.97/-1.50	-0.70/-0.26	2.57/2.85	3.94/2.62	-0.93/-1.97	1.32/-1.08	0.37/-1.69	1.08/-0.40	-0.49/-3.19	-3.32/-1.03	3.33/-1.87	0.11/-1.73	0.00/-2.99	-3.54/-0.63	1.56/-1.34
Θ(90°)	-3.17/-0.27	2.73/-1.21	-0.23/-2.16	-3.38/-6.57	-2.83/-4.53	-0.14/0.75	-2.27/-1.58	-1.11/-8.76	-7.01/-1.12	0.04/-1.33	-3.22/-3.04	0.69/2.26	2.12/2.56	-0.38/-0.05	-1.70/-2.09	1.75/-0.85	-2.15/-0.85	-0.23/-4.10	-1.14/-3.46	0.85/0.04	-0.29/0.23	-2.36/-4.11	-5.16/-1.79	-0.69/0.99
Θ(97.5°)	-1.62/-1.09	2.16/-0.91	-0.71/-4.45	-4.67/-9.72	-4.49/-4.10	-1.98/-0.44	-4.76/-1.75	-1.68/-1.75	-5.33/-1.75	-0.47/-6.85	-5.47/-6.11	-0.83/-1.01	1.39/-1.03	-2.23/-2.00	-6.37/-1.70	-1.03/-4.79	-2.44/-1.31	-2.02/-5.64	-0.51/-4.44	-2.51/-1.86	-1.13/-0.85	-3.77/-5.73	-0.57/-2.57	-0.54/0.65
Θ(105°)	-3.20/-2.49	0.97/-1.24	-1.12/-3.89	-5.59/-14.07	-5.79/-7.45	-2.88/-2.66	-1.88/-6.63	-8.57/-2.36	-3.96/-8.90	-9.08/-7.15	-4.05/-0.59	-1.08/0.25	-2.99/-4.29	-3.11/-2.47	-0.59/-4.19	-3.16/-1.95	-1.39/-3.41	-0.06/-2.91	-5.45/-1.91	-0.65/-2.01	-5.36/-8.00	-6.79/-2.89	-0.71/-1.43	
Θ(112.5°)	-4.20/-5.36	-0.67/-1.28	-2.14/-2.82	-5.63/-13.43	-11.20/-10.08	-3.46/-5.78	-5.74/-4.44	-8.30/-7.77	-7.38/-5.59	-8.71/-14.56	-9.41/-4.63	-0.60/-0.39	-1.86/0.92	-3.47/-6.87	-6.93/-2.36	-1.57/-2.87	-2.45/-5.35	-3.99/-2.58	-1.75/-5.62	-4.92/-0.20	0.07/-0.07	-4.67/-6.53	-7.49/-6.49	-2.56/-3.45
Θ(120°)	-1.91/-1.97	-3.91/-3.25	-2.39/-5.64	-5.24/-5.52	-12.20/-9.11	-5.14/-4.27	-7.50/-5.62	-4.85/-7.56	-7.34/-6.79	-13.50/-13.25	-11.67/-4.69	-1.23/-2.26	-4.14/-3.37	-8.16/-11.46	-12.81/-3.90	-1.80/-5.78	-2.22/-8.18	-3.75/-1.06	-3.11/-6.66	-4.05/-1.77	-0.31/-1.66	-5.44/-2.81	-3.76/-2.27	-0.45/-2.77
Θ(127.5°)	-5.50/-2.87	-2.48/-6.64	-3.99/-5.87	-9.29/-11.14	-10.24/-7.76	-3.77/-5.87	-8.84/-5.69	-7.24/-11.46	-11.47/-7.10	-12.38/-10.50	-6.58/-4.99	-4.49/-3.49	-6.48/-7.90	-9.86/-10.00	-5.79/0.23	-9.72/-0.39	-0.82/-6.62	-1.61/2.39	-2.72/-2.72	-3.33/-2.03	2.24/-6.53	-13.81/-0.78	-2.31/-3.56	-4.03/-2.49
Θ(135°)	-12.48/-8.69	-8.44/-8.01	-10.14/-7.81	-7.01/-11.03	-16.08/-15.10	-13.63/-8.69	-5.45/-8.80	-9.18/-8.63	-11.77/-9.55	-11.07/-8.62	-4.21/-5.74	-6.17/-5.19	-4.80/-5.62	-6.01/-10.64	-3.82/-9.03	-2.69/-0.17	-2.20/-12.72	-0.45/2.65	-3.04/-5.56	-4.15/-3.03	-0.88/-1.99	-7.56/-6.38	-5.57/-3.43	-4.57/-9.85
Θ(142.5°)	-0.55/-13.70	-13.19/-9.84	-8.39/-8.93	-4.87/-6.46	-11.05/-8.80	-7.58/-9.53	-8.86/-5.72	-5.28/-11.01	-7.73/-11.76	-8.69/-6.44	-7.12/-8.62	-10.80/-10.00	-5.68/-4.29	-5.69/-6.31	-6.97/-6.29	-11.46/-7.67	-3.50/0.87	-3.67/-7.47	-8.62/-4.57	-6.16/-3.36	-7.00/-4.04	-3.20/-4.23	-5.90/-4.27	-0.71/-6.92
Θ(150°)	-15.14/-11.68	-8.97/-7.56	-10.77/-10.31	-10.77/-13.15	-10.67/-8.52	-8.77/-10.78	-10.51/-9.94	-11.57/-6.64	-5.03/-7.02	-7.18/-6.45	-7.27/-5.81	-4.53/-5.64	-6.57/-3.91	-1.40/-1.31	-2.59/-1.88	-7.59/-8.04	-9.34/-6.03	-2.95/-3.60	-9.68/-12.91	-9.79/-4.25	-5.35/-10.50	-7.40/-4.05	-5.43/-5.27	-4.07/-4.92
Θ(157.5°)	-4.64/-7.10	-6.15/-7.58	-12.05/-11.31	-10.77/-9.37	-7.83/-7.56	-8.14/-6.89	-5.66/-6.10	-7.84/-10.94	-13.18/-10.33	-7.26/-7.46	-10.54/-14.60	-10.57/-9.50	-11.85/-8.42	-5.39/-5.91	-9.58/-14.59	-14.15/-9.73	-4.74/-2.94	-4.65/-10.28	-10.61/-10.65	-9.81/-8.24	-5.85/-9.20	-7.64/-3.81	-1.62/-1.74	-2.90/-3.70
Θ(165°)	-6.06/-7.60	-10.78/-15.63	-11.71/-9.22	-9.03/-9.10	-12.13/-12.69	-10.55/-11.40	-13.20/-7.77	-4.62/-5.12	-7.91/-4.07	-12.74/-15.09	-16.14/-14.89	-14.76/-12.90	-12.72/-9.86	-6.74/-5.26	-4.41/-3.74	-3.03/-2.02	-1.83/-1.67	-2.66/-6.41	-11.44/-7.16	-8.67/-8.99	-9.04/-8.20	-7.18/-9.42	-4.92/-5.30	-5.34/-5.32
Θ(172.5°)	-11.33/-11.56	-10.34/-9.08	-8.86/-8.49	-8.61/-8.49	-8.08/-8.13	-8.20/-9.95	-14.39/-12.84	-12.17/-11.71	-9.36/-6.89	-6.21/-5.98	-4.98/-3.81	-3.30/-2.91	-1.84/-0.86	-0.45/-0.35	-0.45/-1.04	-1.50/-1.81	-2.53/-5.30	-4.19/-5.36	-6.53/-7.59	-8.17/-7.79	-7.20/-6.53	-6.14/-7.63	-9.80/-10.52	-10.67/-10.19
Θ(180°)	-15.63/-15.21	-15.01/-14.67	-12.86/-12.53	-11.87/-10.87	-9.84/-9.55	-10.62/-11.48	-11.57/-12.01	-12.67/-12.99	-12.87/-13.78	-14.06/-13.62	-12.62/-12.15	-12.86/-12.62	-14.13/-14.48	-15.07/-14.87	-15.04/-15.55	-14.86/-15.80	-15.62/-14.92	-15.45/-16.00	-13.20/-11.93	-11.55/-11.76	-11.51/-11.21	-9.93/-9.96	-12.27/-14.19	-14.82/-15.68
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°)	-4.19/-4.08	-4.67/-5.21	-4.83/-4.27	-3.74/-4.19	-4.70/-4.07	-3.26/-3.44	-4.41/-4.13	-3.86/-3.54	-2.95/-3.34	-3.36/-3.56	-3.87/-3.14	-3.12/-2.84	-2.62/-2.94	-2.98/-3.14	-2.97/-2.78	-2.84/-2.97	-3.60/-4.22	-5.46/-4.63	-4.15/-3.82	-3.75/-3.24	-3.21/-2.75	-2.46/-2.12	-2.15/-2.67	-3.33/-4.36
Θ(7.5°)	-3.88/-4.92	-6.13/-5.24	-4.54/-4.46	-3.42/-3.73	-4.31/-5.07	-4.72/-4.79	-5.50/-5.39	-5.33/-5.57	-4.83/-4.83	-5.40/-5.09	-5.28/-5.30	-5.04/-3.87	-3.44/-3.74	-4.53/-4.42	-3.14/-2.32	-2.05/-1.66	-1.05/-0.85	-1.14/-1.53	-1.68/-1.80	-2.55/-2.87	-2.71/-2.28	-2.18/-2.00	-1.53/-1.77	-2.62/-3.60
Θ(15°)	-2.08/-2.77	-4.20/-5.21	-5.34/-3.75	-2.35/-2.59	-4.01/-5.11	-5.40/-5.72	-5.66/-5.70	-4.97/-4.10	-3.62/-2.64	-3.09/-4.04	-6.30/-6.35	-4.19/-3.34	-2.63/-2.93	-3.45/-2.95	-1.75/-0.80	0.37/-0.21	0.29/0.52	0.31/0.06	-0.24/-0.82	-1.08/-1.46	-1.24/-0.61	0.17/0.75	0.77/0.22	-0.50/-1.38
Θ(22.5°)	-0.56/0.79	0.34/-0.40	-1.03/-1.70	-2.48/-1.95	-0.56/0.12	-0.31/-0.63	-1.24/-2.02	-2.87/-2.98	-3.41/-3.54	-2.14/-2.34	-3.47/-6.01	-2.48/-2.98	-2.14/-2.16	-2.24/-1.60	-0.90/-0.72	-1.63/-3.18	-3.29/-1.94	-1.06/-1.83	-2.61/-1.90	-0.65/-0.61	-0.11/-1.25	-0.81/-0.22	-0.60/-1.31	-0.163/-2.21
Θ(30°)	-2.04/-0.43	-0.17/-0.40	-0.37/-0.66	-0.02/-1.81	2.06/0.81	-0.92/-0.90	-0.97/-2.03	-3.87/-5.52	-4.25/-3.00	-2.70/-2.10	-2.77/-5.30	-5.71/-4.10	-2.49/-1.61	-0.82/0.47	0.97/0.17	-1.35/-4.52	-6.96/-4.34	-4.09/-6.81	-12.32/-9.68	-8.35/-5.44	-3.14/-1.82	-0.45/0.42	-0.14/-1.14	-2.01/-2.92
Θ(37.5°)	-2.12/-1.00	-2.55/-1.00	1.91/2.25	1.71/2.51	2.79/1.52	1.47/2.56	2.66/2.03	0.73/-2.70	-4.75/-3.41	-3.30/-4.66	-8.38/-7.54	-3.07/-1.74	-1.13/0.51	0.54/-0.41	-2.48/-2.57	-1.87/-2.75	-2.51/-0.48	9.32/-8.98	-6.39/-4.72	-3.30/-2.84	-2.45/-2.85	-3.40/-3.41	-2.34/-0.66	0.34/-1.33
Θ(45°)	-0.95/-1.29	-0.01/-0.10	2.32/2.65	3.34/-4.66	5.16/3.87	3.14/3.01	2.60/-1.50	4.44/-2.08	-5.38/-2.32	-1.28/-0.60	-3.73/-3.26	-3.35/-1.08	-1.93/-1.03	0.29/-4.14	-3.28/-1.31	-1.79/-3.38	-3.84/-6.20	-6.05/-2.22	-1.29/-2.79	-3.86/-7.26	-9.68/-5.54	-3.47/-3.38	-1.16/-0.57	0.90/-1.02
Θ(52.5°)	0.08/2.30	2.68/2.37	2.20/3.12	4.82/5.26	5.49/3.69	2.58/2.81	2.72/-1.95	1.19/0.16	-2.05/-0.02	0.85/-0.71	1.18/-0.15	0.12/0.85	-1.58/-1.41	-0.26/-2.52	-0.34/-1.42	-4.28/-4.13	-3.66/-7.75	-5.99/-1.85	-1.50/-0.50	0.91/-0.19	-3.20/-0.97	-0.57/-1.11	-2.02/-0.24	0.60/0.56
Θ(60°)	2.47/1.53	4.23/4.66	1.43/2.89	5.23/5.21	5.13/3.54	1.85/-1.92	-0.13/-3.83	-2.97/-0.28	-2.44/-0.86	1.71/-0.49	1.55/-1.39	2.33/3.47	-0.87/0.28	0.96/-1.18	1.10/-0.92	-3.49/-5.49	-3.26/-4.63	-4.09/-2.96	-5.21/-3.66	0.98/-1.2	-1.17/-0.69	1.31/-1.99	-2.64/-1.60	1.73/2.02
Θ(67.5°)	4.04/-2.45	4.64/4.94	0.57/2.36	4.58/3.48	3.25/-1.84	1.30/3.15	1.65/-1.10	-2.39/0.05	-2.49/-0.26	2.56/-1.47	2.10/-1.37	2.67/3.57	-0.19/0.49	1.96/-1.89	-0.28/-0.19	-2.37/-4.10	-1.03/-3.81	-2.24/0.40	0.18/-0.40	0.53/2.47	0.31/-0.67	-0.22/-4.61	-4.44/-0.51	2.02/0.62
Θ(75°)	3.94/0.58	3.91/4.50	-0.51/0.44	2.62/-1.34	0.88/0.18	3.00/3.11	3.48/2.12	-0.39/0.97	-4.65/-0.35	2.84/2.45	2.29/0.67	2.41/2.86	0.13/-1.81	0.82/-1.39	-0.33/0.45	0.18/-3.00	0.80/-3.54	-2.12/-0.06						



Antenna Pattern of 6GHz_6G Ant1~4

Appendix B.3

Θ(67.5°)	2.41/1.68	1.40/0.05	1.04/3.24	3.45/2.35	3.00/2.50	0.62/0.70	2.75/3.21	0.66/-1.58	-1.53/-1.88	1.10/2.22	1.42/2.39	2.22/2.74	2.77/3.90	1.45/-1.83	2.58/2.99	2.31/1.48	2.09/2.39	1.83/2.02	2.22/3.46	1.96/1.22	1.14/-0.01	0.85/2.42	2.65/2.65	0.26/0.81
Θ(75°)	1.81/0.96	0.36/-0.27	-0.40/-2.42	2.52/1.33	2.13/1.57	-0.64/0.66	3.08/4.19	0.91/-1.30	0.68/1.19	0.92/2.15	1.64/3.94	2.99/3.09	1.92/3.47	0.10/-0.16	1.01/3.25	3.84/2.59	2.12/3.12	2.46/2.65	2.65/3.72	3.28/2.31	1.59/-0.15	0.17/1.71	2.75/2.80	0.23/0.12
Θ(82.5°)	-0.37/0.90	-0.43/-2.69	-0.38/-1.39	0.18/0.20	1.10/-1.23	-3.17/0.10	2.20/3.22	-0.01/-2.88	-1.22/1.45	-0.41/-0.99	1.03/2.97	1.33/1.30	0.42/0.76	-3.13/-1.69	-0.43/2.71	3.70/3.16	0.48/1.10	1.61/2.32	1.77/2.89	3.07/2.25	0.50/-1.36	-0.99/0.36	2.30/2.32	-0.01/-0.48
Θ(90°)	-1.28/0.70	-3.06/-3.75	-2.51/-1.91	-2.17/-1.08	-0.78/-3.81	-4.61/-0.41	0.88/1.28	-1.58/-3.68	-3.14/-0.18	-3.12/0.35	-0.45/0.81	-0.73/-1.99	-1.11/-0.71	-5.40/-4.06	-1.90/0.32	1.98/1.92	-2.18/-0.58	-0.86/0.41	-0.45/-2.23	0.61/1.45	-1.44/-2.96	-1.20/-0.39	1.23/2.13	-1.16/-1.88
Θ(97.5°)	-1.72/-0.55	-4.60/-4.25	-4.63/-3.28	-4.04/-3.79	-2.98/-4.45	-4.05/-1.81	-0.42/-2.10	-3.43/-4.45	-4.55/-2.33	-6.62/-1.72	-1.50/-2.61	-3.34/-4.33	-3.38/-2.99	-4.79/-6.07	-4.74/-2.07	-0.73/-2.15	-7.14/-2.27	-3.12/-1.93	-3.30/-2.06	-2.65/-0.90	-3.12/-5.14	-2.18/-0.75	-0.66/-1.08	-1.99/-3.24
Θ(105°)	-2.22/-1.61	-6.51/-5.61	-6.71/-3.89	-4.77/-5.79	-4.82/-5.80	-4.93/-4.96	-4.64/-8.39	-7.39/-5.88	-8.67/-6.61	-4.83/-4.95	-3.78/-4.22	-3.94/-5.72	-3.73/-2.56	-4.61/-5.35	-4.73/-2.85	-2.39/-4.77	-6.58/-1.74	-3.56/-2.94	-3.39/-2.44	-2.34/-2.56	-3.00/-2.02	-3.20/-0.70	-2.92/-4.09	-1.79/-4.94
Θ(112.5°)	-5.35/-3.90	-4.99/-7.54	-8.31/-5.20	-6.48/-10.21	-7.73/-5.24	-6.38/-4.07	-2.42/-4.94	-7.99/-11.56	-6.81/-7.76	-7.34/-6.35	-5.38/-6.15	-2.47/-5.56	-2.13/-2.34	-6.34/-11.79	-6.02/-1.44	-1.36/-4.36	-7.90/-2.01	-2.54/-5.14	-1.96/-2.59	-1.49/-2.51	-4.69/-6.18	-7.70/-4.93	-1.84/-3.59	-4.77/-4.75
Θ(120°)	-6.93/-6.07	-7.02/-8.84	-9.73/-9.73	-7.27/-6.06	-7.52/-10.73	-10.84/-6.78	-3.80/-6.41	-7.75/-9.04	-3.09/-11.22	-11.35/-6.05	-6.42/-7.13	-2.11/-8.71	-2.06/-4.26	-7.31/-14.80	-8.47/-4.23	-4.71/-7.99	-10.55/-3.97	-4.04/-13.95	-3.86/-6.78	-2.48/-6.46	-5.38/-8.45	-10.10/-4.38	-2.91/-6.14	-7.05/-4.94
Θ(127.5°)	-6.94/-6.97	-8.63/-7.72	-7.90/-7.58	-7.25/-4.80	-6.70/-6.63	-5.58/-7.38	-5.11/-5.28	-4.70/-15.99	-12.98/-8.97	-11.71/-8.45	-5.60/-7.05	-7.09/-7.41	-5.40/-7.10	-9.23/-11.96	-7.22/-2.83	-10.54/-14.83	-9.72/-3.18	-5.07/-12.41	-5.15/-4.95	-3.59/-7.17	-4.67/-9.61	-9.11/-4.72	-2.08/-6.14	-7.82/-9.50
Θ(135°)	-5.67/-8.38	-7.85/-5.33	-4.52/-8.12	-8.31/-6.09	-8.10/-7.46	-7.72/-10.38	-9.16/-6.11	-5.85/-5.96	-6.71/-7.52	-9.20/-10.13	-6.69/-9.81	-11.56/-10.31	-9.72/-5.77	-8.73/-13.30	-9.81/-7.23	-15.39/-10.32	-6.48/-3.20	-6.38/-11.49	-7.50/-2.70	-2.75/-3.54	-5.06/-7.73	-15.24/-6.43	-2.79/-3.75	-6.84/-6.07
Θ(142.5°)	-5.80/-6.21	-8.00/-6.15	-6.45/-9.06	-7.57/-9.99	-9.10/-10.39	-13.24/-9.97	-13.94/-11.47	-11.89/-12.03	-7.65/-7.99	-8.53/-8.78	-13.51/-13.97	-14.95/-15.74	-13.76/-8.30	-9.29/-11.43	-11.55/-11.99	-15.26/-12.56	-8.90/-10.66	-15.53/-10.46	-6.82/-8.06	-9.55/-11.87	-9.55/-9.14	-8.83/-6.99	-6.83/-7.38	-9.20/-9.38
Θ(150°)	-9.79/-10.59	-10.23/-9.76	-11.69/-9.69	-7.71/-13.52	-10.49/-9.75	-14.57/-7.95	-6.90/-8.39	-13.35/-8.12	-6.54/-10.44	-11.95/-10.59	-14.62/-16.07	-14.26/-8.49	-9.76/-10.72	-11.80/-12.74	-14.84/-15.18	-15.57/-12.77	-9.92/-10.09	-11.35/-14.52	-13.41/-12.66	-8.97/-6.51	-4.94/-5.91	-10.44/-10.10	-10.04/-10.37	-10.02/-9.11
Θ(157.5°)	-8.71/-8.24	-10.83/-14.83	-11.80/-9.53	-9.67/-10.98	-10.23/-11.05	-14.51/-13.07	-12.21/-15.10	-11.54/-8.93	-8.60/-9.20	-11.06/-10.13	-12.51/-14.81	-15.16/-15.34	-14.50/-15.69	-10.94/-8.57	-9.95/-11.26	-13.44/-14.38	-14.42/-14.12	-13.86/-12.80	-14.06/-11.89	-9.13/-8.36	-9.20/-8.58	-8.81/-8.91	-6.36/-5.32	-7.26/-8.67
Θ(165°)	-10.30/-15.55	-15.97/-15.36	-14.98/-11.56	-10.73/-12.47	-13.63/-15.85	-15.12/-13.68	-12.52/-14.82	-15.40/-14.02	-12.39/-12.97	-10.76/-10.07	-11.57/-13.20	-11.10/-12.81	-15.66/-10.86	-6.87/-6.75	-7.70/-8.48	-14.89/-14.90	-15.41/-13.08	-11.15/-9.89	-10.51/-13.02	-12.72/-10.84	-8.43/-8.21	-4.98/-4.59	-9.20/-9.38	-1.95/-4.43
Θ(172.5°)	-11.43/-11.71	-10.61/-10.22	-10.25/-10.39	-11.23/-12.49	-14.57/-15.02	-16.22/-15.93	-15.41/-16.32	-14.67/-14.95	-13.97/-12.90	-15.27/-15.19	-15.71/-15.16	-12.87/-12.37	-11.38/-12.07	-12.99/-13.29	-13.27/-13.82	-11.30/-10.02	-9.34/-8.30	-8.12/-8.08	-8.43/-8.77	-9.33/-11.31	-12.45/-10.76			
Θ(180°)	-12.37/-13.41	-14.82/-14.83	-15.40/-14.34	-13.30/-15.37	-14.53/-13.97	-14.38/-15.60	-13.99/-12.34	-12.72/-12.28	-11.61/-11.72	-12.10/-13.18	-13.69/-11.78	-11.60/-12.00	-13.25/-14.24	-14.52/-15.12	-13.98/-13.47	-14.02/-14.40	-13.40/-10.58	-9.81/-9.44	-9.45/-10.41	-11.23/-10.55	-10.42/-11.15	-12.06/-13.73	-15.27/-13.25	-13.04/-14.40
Freq(Hz)	6.475GPol.	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°)	-12.20/-12.66	-11.69/-11.02	-11.69/-11.17	-11.24/-10.96	-10.71/-10.28	-10.71/-11.74	-12.38/-11.68	-10.72/-11.24	-11.93/-11.78	-10.52/-10.79	-12.46/-11.37	-10.13/-11.35	-13.85/-13.49	-12.63/-11.46	-10.72/-9.98	-9.86/-10.24	-11.17/-12.62	-13.22/-13.21	-13.24/-12.59	-12.98/-13.15	-12.72/-11.91	-12.23/-12.95	-13.87/-13.31	-12.53/-11.72
Θ(7.5°)	-13.94/-12.55	-13.92/-10.69	-8.67/-5.99	-5.13/-4.80	-4.56/-4.16	-4.38/-4.42	-4.88/-5.19	-5.02/-4.41	-4.08/-4.51	-4.76/-4.42	-4.88/-4.59	-5.28/-4.98	-5.71/-5.67	-7.99/-9.07	-10.33/-11.00	-11.49/-12.10	-12.60/-12.55	-12.93/-12.44	-11.00/-10.17	-10.86/-10.62	-9.95/-9.62	-9.73/-10.56	-13.01/-14.95	-14.99/-14.43
Θ(15°)	-6.72/-5.71	-6.52/-5.83	-6.50/-6.34	-5.77/-5.36	-5.33/-5.93	-6.95/-8.51	-9.79/-10.49	-9.17/-8.11	-6.43/-5.63	-6.11/-6.41	-6.52/-6.79	-7.97/-6.14	-4.98/-5.58	-6.58/-6.13	-6.90/-9.72	-14.13/-14.19	-16.76/-9.87	-14.69/-6.46	-6.37/-6.51	-4.94/-5.91	-10.47/-10.50	-9.57/-6.77	-6.42/-5.92	
Θ(22.5°)	-4.67/-2.92	-1.85/-3.20	-6.09/-4.86	-3.18/-2.73	-3.32/-4.00	-5.72/-6.52	-5.44/-3.49	-2.17/-2.01	-2.43/-2.73	-3.30/-4.40	-5.82/-4.49	-3.76/-4.85	-7.15/-8.30	-5.76/-3.73	-4.22/-5.59	-6.24/-8.04	-6.46/-3.70	-1.91/-1.35	-0.94/-1.11	-2.02/-3.33	-4.08/-5.06	-5.59/-6.09	-6.30/-5.78	-3.79/-3.62
Θ(30°)	-0.75/-1.13	-0.81/-2.01	-1.54/0.08	-3.86/-1.28	-1.16/-1.38	-3.01/-3.81	-2.49/-0.88	-0.81/-2.13	-2.82/-1.56	-0.51/-0.66	-0.95/-1.94	-1.18/-3.19	-1.84/-1.90	-3.28/-2.26	-1.23/-1.48	-0.90/-0.14	-0.41/-0.46	-1.01/-0.40	0.81/-1.34	1.08/0.09	-0.20/-0.73	-1.73/-3.36	-4.79/-4.47	-1.98/-4.05
Θ(37.5°)	1.98/1.59	1.18/0.21	0.42/0.69	-1.80/-2.74	-2.73/-2.44	-1.37/-0.93	-0.49/-0.30	-1.05/-1.16	0.27/-1.01	-0.44/-2.41	-2.61/-1.84	-2.59/-4.00	-2.33/-1.35	-0.89/-1.16	1.24/-2.00	-0.71/0.48	1.37/0.62	0.28/0.33	0.45/-0.21	-0.34/-0.30	-0.91/-0.81	-2.29/-2.50	-0.61/-0.63	-1.24/-1.00
Θ(45°)	2.79/2.14	3.06/1.39	0.67/0.83	-0.58/-1.28	-2.79/-0.90	0.50/-0.26	-1.33/-0.19	-0.11/-0.61	-0.13/-1.29	-4.04/-3.06	-1.60/-0.96	0.25/-0.65	-2.22/-1.41	-3.35/-1.14	2.54/0.86	1.03/2.21	1.01/-0.44	0.46/0.11	-0.49/-0.38	-0.99/-0.08	-0.65/-0.08	1.54/2.08	2.25/2.64	1.60/1.98
Θ(52.5°)	2.97/1.94	3.40/2.31	1.05/0.81	-0.35/-0.22	0.23/2.17	0.24/-3.49	-4.67/-1.37	0.22/2.09	2.42/0.66	0.31/1.00	0.10/-0.83	-0.82/0.16	-1.08/1.62	0.82/2.28	2.23/-0.17	-0.32/1.83	0.01/-1.30	0.79/-0.12	0.60/0.31	-0.45/-0.97	0.92/0.04	1.36/2.33	1.60/2.13	1.58/1.43
Θ(60°)	2.42/1.77	2.70/2.01	0.33/1.88	1.62/1.57	1.89/2.41	0.62/-2.67	-2.46/-1.41	-1.04/0.69	0.50/-0.28	0.95/0.49	-1.85/-3.37	-2.09/0.69	-0.65/2.67	2.71/2.22	2.56/1.98	0.04/1.04	0.47/0.60	2.43/2.02	2.53/2.46	1.21/2.73	1.08/0.43	1.50/2.41	1.96/2.60	3.32/1.43
Θ(67.5°)	1.21/1.66	1.31/1.25	0.66/1.17	1.82/1.83	3.14/2.15	0.80/0.28	2.19/2.76	0.05/-1.44	-0.41/0.91	2.25/0.18	-0.37/1.25	1.70/3.53	1.40/2.41	3.31/2.09	2.33/3.53	2.68/1.43	1.43/1.69	3.32/2.85	3.14/3.59	2.60/3.09	0.99/0.14	1.11/2.75	3.35/2.88	3.76/2.82
Θ(75°)	0.88/2.10	1.04/0.14	1.23/0.75	1.42/2.07	0.90/0.58	2.12/2.81	4.80/5.17	2.71/0.43	0.79/2.01	2.56/1.69	1.67/3.52	3.00/3.69	1.18/2.87	1.87/0.10	1.31/4.04	3.52/1.70	1.53/1.44	3.35/2.70	3.13/4.07	4.00/3.08	0.73/-0.21	-0.63/0.88	2.97/2.70	3.16/3.00
Θ(82.5°)	-0.61/0.13	-0.22/-1.02	0.02/0.22	0.33/-0.96	-1.63/0.52	1.62/2.30	3.05/0.46	3.46/2.41	0.31/1.26	1.38/1.33	0.52/2.20	3.56/1.83	0.52/2.58	-0.69/-2.09	1.81/3.52	2.33/0.99	0.79/1.61	2.81/2.00	2.51/3.91	4.13/3.51	0.36/-1.05	-1.40/-1.14	2.74/2.07	1.34/1.76
Θ(90°)	-1.39/-0.33	-0.51/-2.92	-1.51/-0.09	-1.82/-0.49	-2.38/-0.03	-0.22/-0.49	-0.26/0.91	1.59/0.89	-1.54/0.14	-2.05/-0.56	-0.47/1.64	1.86/-0.18	-2.20/0.62	-1.23/-5.51	-2.10/2.21	0.40/-0.51	-2.44/0.77	1.80/0.01	-0.05/0.81	2.14/2.72	-0.56/-2.29	-2.01/-2.92	1.49/0.39	-0.41/0.66
Θ(97.5°)	-2.77/-1.83	-1.99/-2.84	-3.29/-1.73	-3.37/-4.31	-2.59/-2.97	-3.53/-1.80	-1.89/-2.10	-0.44/-1.67	-4.59/-1.69	-4.94/-1.30	-1.96/-0.91	-0.04/-3.92	-1.35/-1.50	-2.17/-5.79	-4.83/-1.80	-2.59/-4.03	-7.02/-1.84	-1.53/-2.26	-4.65/-1.71	-1.10/0.62	-3.24/-3.16	-2.64/-3.41	0.54/-0.17	-1.88/-0.85
Θ(105°)	-4.38/-3.06	-3.02/-4.85	-4.44/-4.97	-5.29/-3.95	-2.53/-5.32	-9.42/-6.76	-4.48/-7.34	-4.57/-3.39	-3.88/-3.75	-4.78/-3.06	-5.01/-3.80	-2.06/-3.63	-2.50/-3.61	-2.99/-6.66	-7.13/-2.51	-3.53/-5.32	-7.82/-2.08	-1.43/-2.59	-4.37/-1.56	-0.77/-2.01	-3.71/-4.99	-3.91/-3.25	-1.63/-2.99	-3.34/-2.69
Θ(112.5°)	-6.53/-3.22	-5.31/-6.53	-6.85/-6.34	-5.67/-7.38	-6.32/-1.67	-4.21/-3.28	-2.27/-5.29	-4.37/-3.60	-5.44/-6.29	-5.26/-5.72	-6.20/-4.97	-4.40/-4.59	-1.50/-2.16	-6.50/-7.81	-6.87/-4.26	-4.35/-5.09	-6.81/-1.79	-2.47/-3.89	-4.50/-2.97	-0.32/-3.96	-9.89/-11.05	-8.69/-3.27	-1.42/-3.68	-5.00/-4.87
Θ(120°)	-4.92/-4.18	-7.26/-6.13	-7.12/-9.87	-5.33/-4.74	-9.72/-5.58	-5.49/-2.67	-0.31/-2.64	-7.29/-10.1																

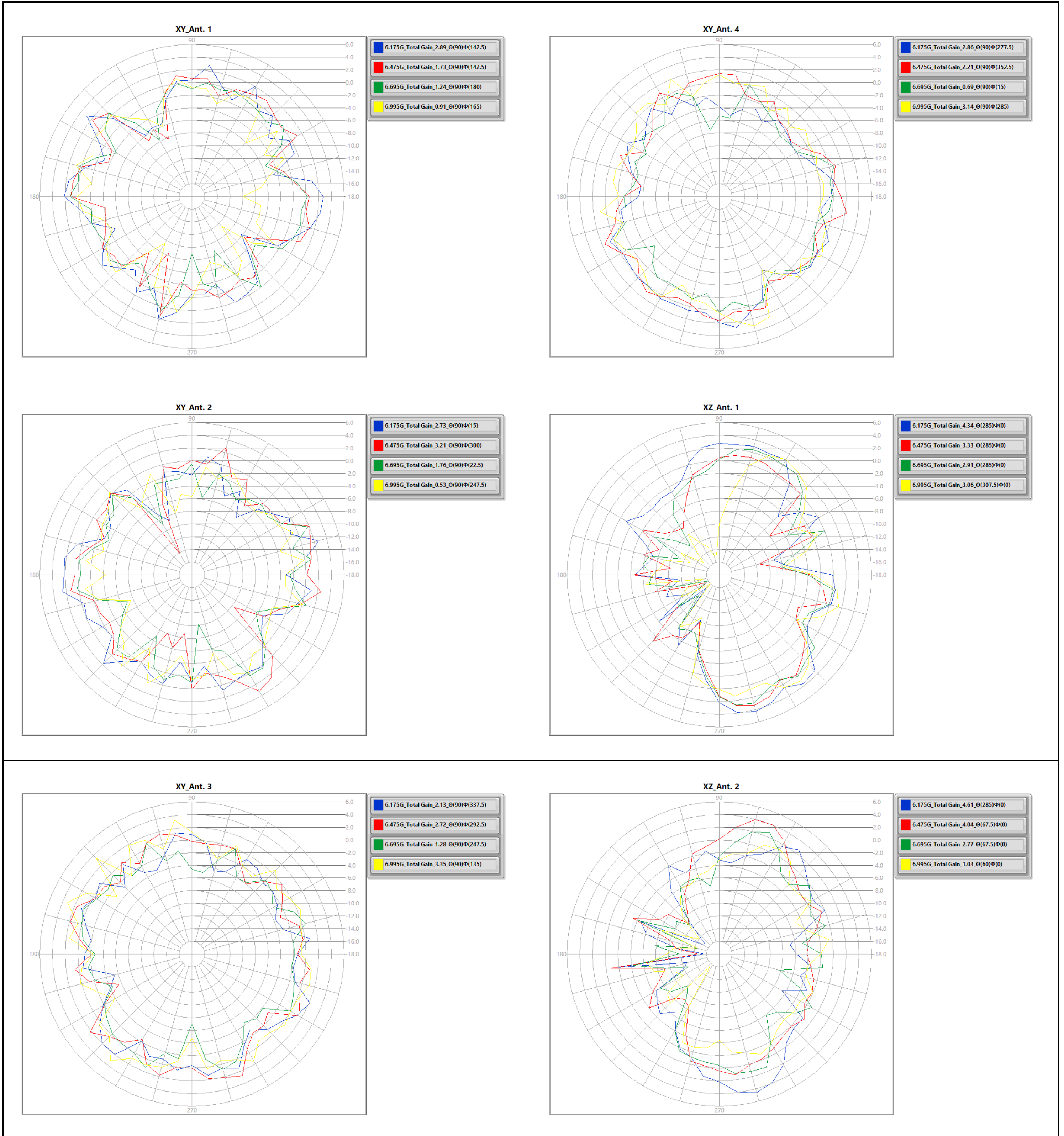


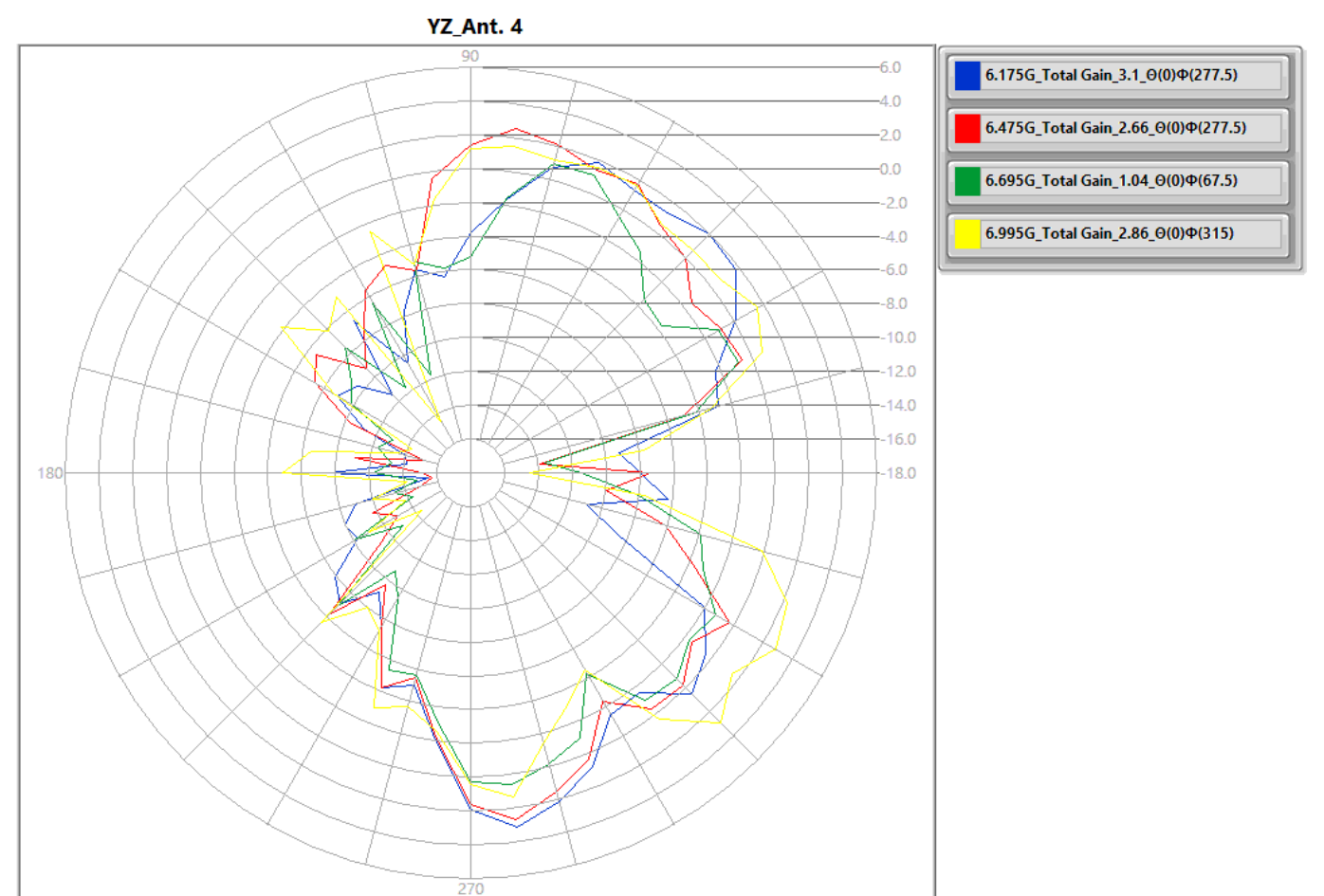
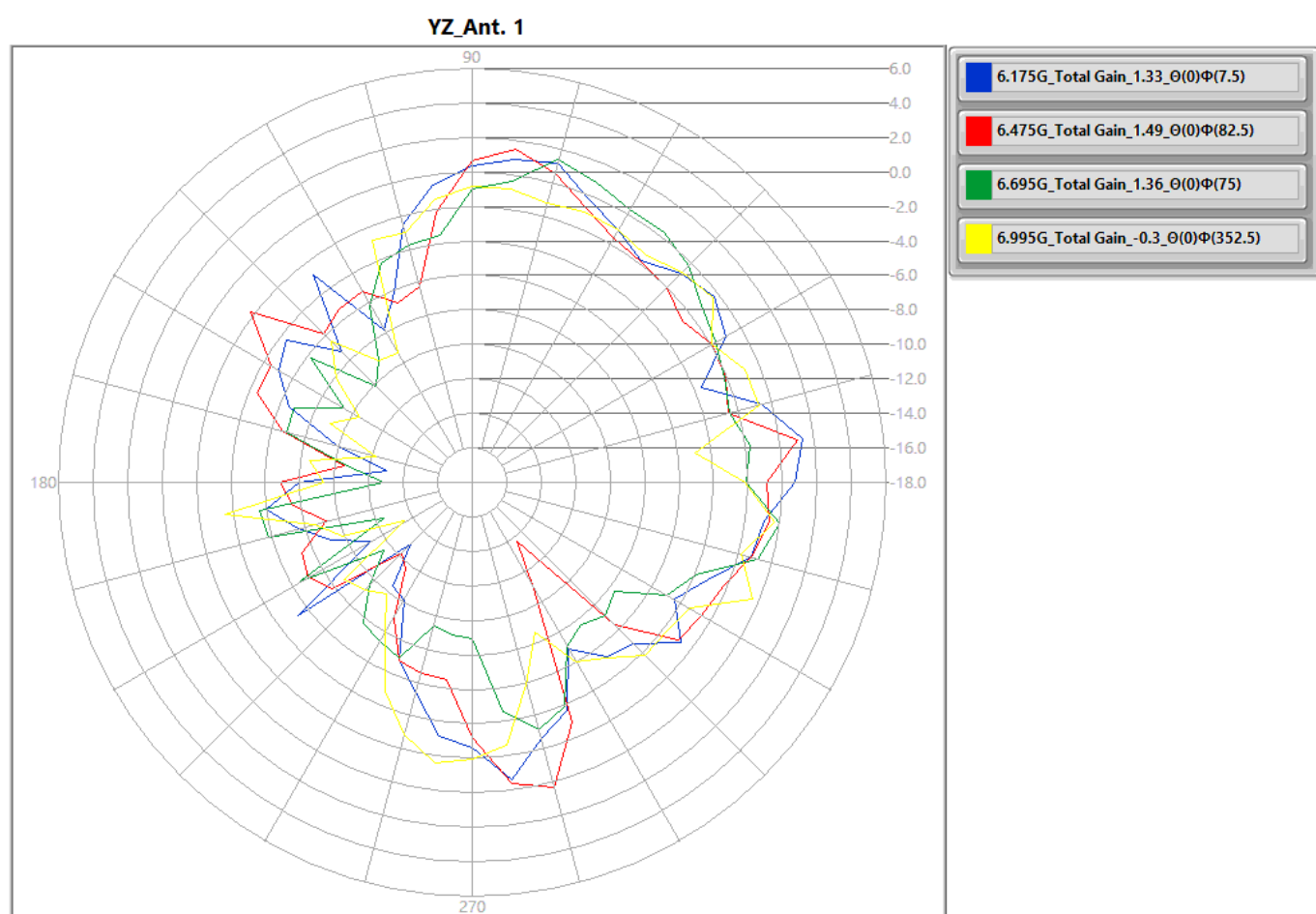
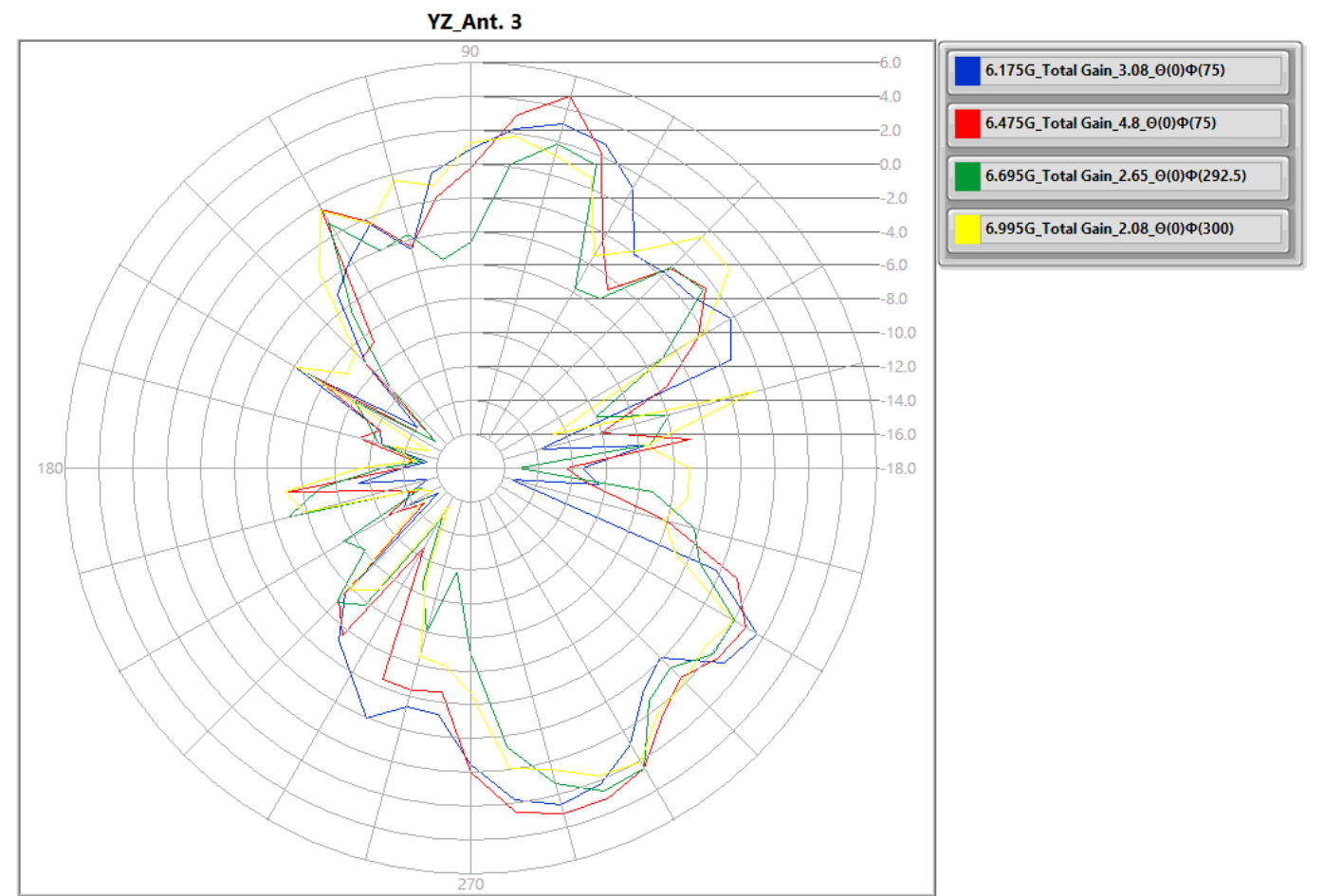
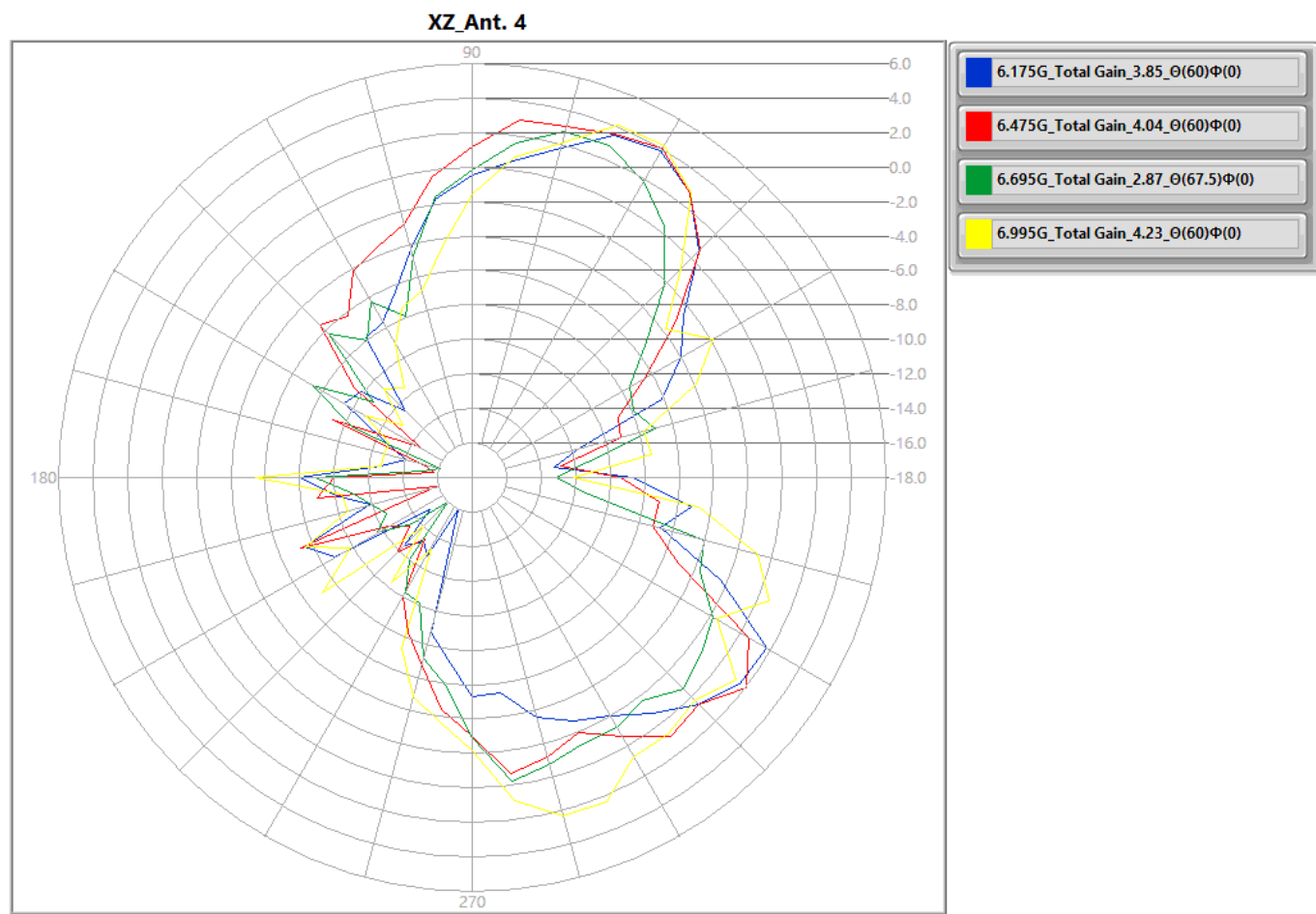
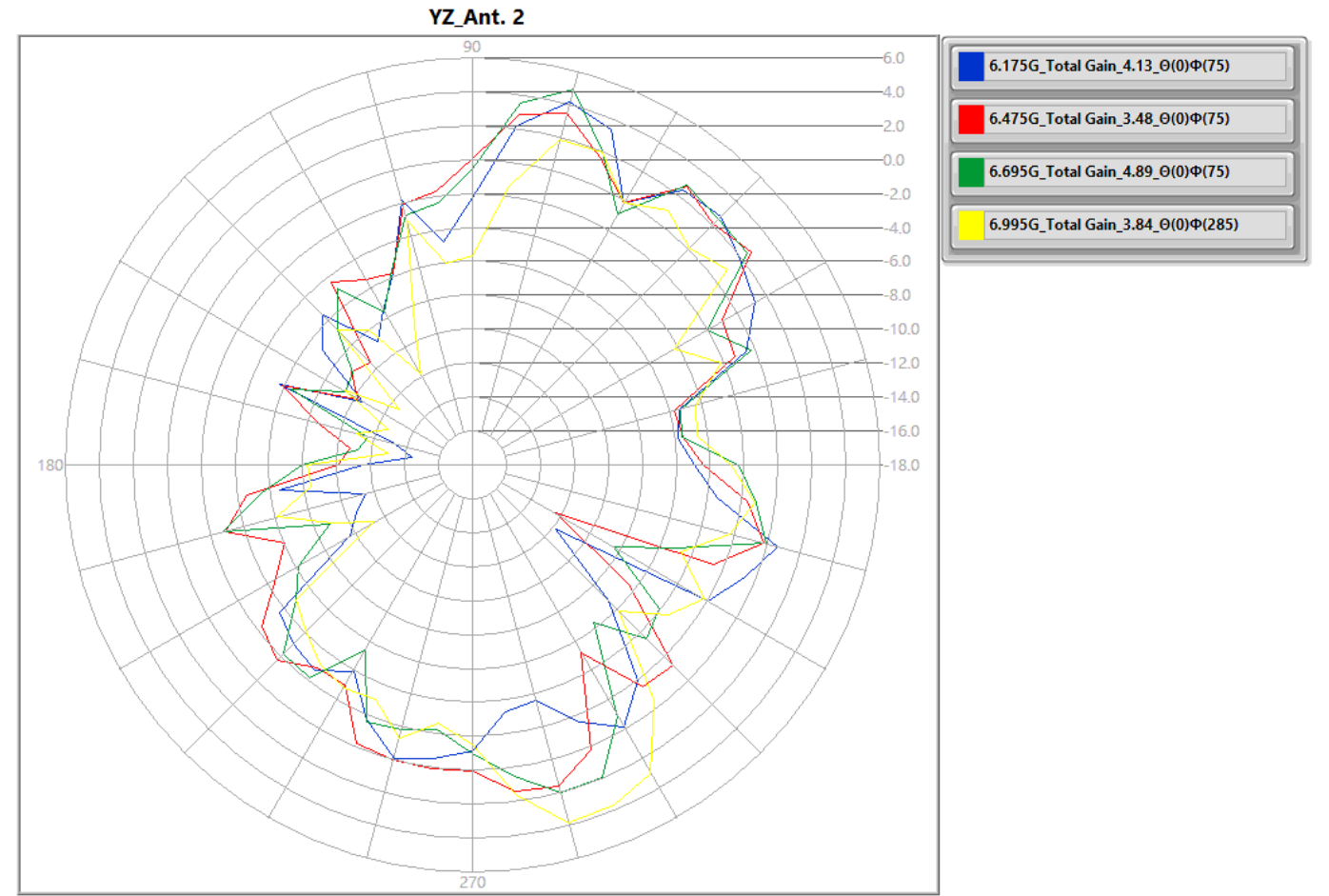
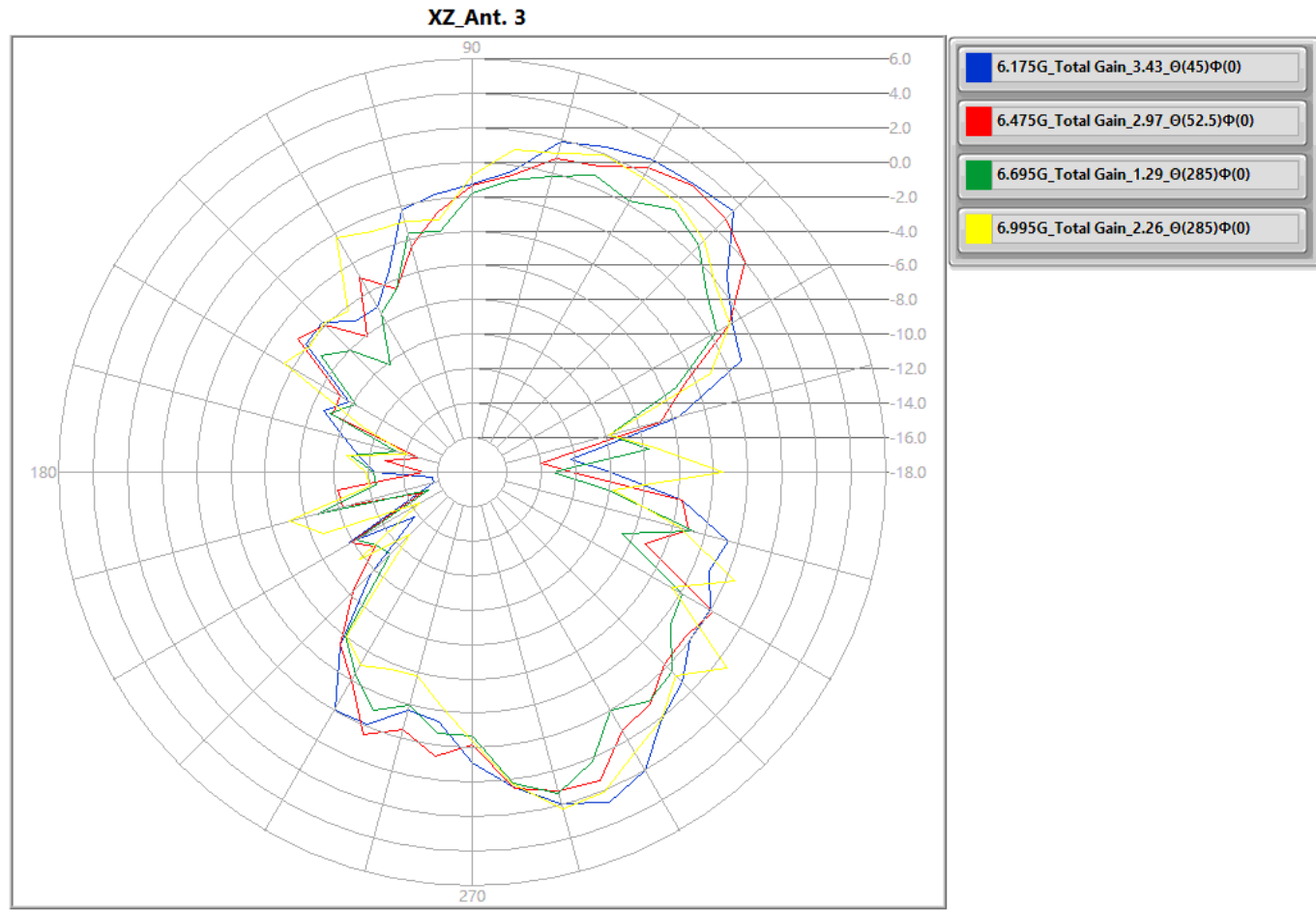
Antenna Pattern of 6GHz_6G Ant1~4

Appendix B.3

Θ(120°)	-7.65/-7.53	-7.44/-9.42	-10.69/-11.54	-6.94/-5.40	-7.86/-12.22	-8.08/-8.89	-10.55/-9.90	-8.52/-9.48	-9.11/-6.03	-8.31/-7.85	-9.15/-10.98	-9.17/-10.63	-12.77/-6.87	-11.23/-6.60	-12.09/-9.51	-5.97/-4.84	-8.38/-8.58	-5.31/-5.77	-7.47/-5.34	-7.49/-7.48	-12.49/-7.70	-4.15/-7.99	-6.13/-5.73	-6.61/-5.79
Θ(127.5°)	-7.83/-8.32	-7.89/-10.77	-14.34/-13.99	-15.18/-10.21	-7.76/-8.22	-8.39/-8.79	-6.66/-8.01	-9.98/-10.53	-8.07/-9.18	-12.06/-8.45	-9.33/-11.81	-15.34/-13.02	-13.36/-12.36	-11.09/-7.67	-8.76/-9.12	-5.14/-10.63	-10.37/-9.07	-7.64/-11.22	-9.11/-6.04	-7.99/-11.28	-9.69/-7.51	-4.76/-9.76	-6.98/-6.13	-6.77/-7.36
Θ(135°)	-12.58/-9.85	-7.64/-8.25	-10.85/-13.02	-10.68/-8.93	-11.01/-10.39	-8.63/-9.45	-11.50/-11.94	-12.71/-13.75	-11.56/-9.82	-13.45/-8.56	-9.67/-10.76	-10.13/-11.43	-12.39/-10.93	-8.21/-6.38	-8.77/-3.41	-5.69/-13.46	-8.46/-9.35	-9.22/-7.82	-7.03/-3.81	-5.49/-10.02	-15.02/-12.84	-8.01/-8.82	-9.35/-8.25	-10.38/-12.48
Θ(142.5°)	-9.82/-7.25	-8.64/-8.51	-9.35/-9.01	-8.28/-9.56	-10.17/-9.56	-11.25/-11.42	-9.55/-11.51	-14.45/-11.58	-13.04/-15.29	-10.53/-9.10	-7.39/-8.90	-9.69/-15.72	-14.92/-9.01	-4.35/-6.12	-9.85/-11.43	-13.66/-10.11	-14.75/-12.22	-13.59/-9.86	-7.84/-8.57	-10.35/-15.65	-15.47/-12.21	-10.61/-9.97	-8.29/-7.58	-9.33/-11.91
Θ(150°)	-9.42/-12.01	-12.31/-12.99	-14.49/-15.36	-15.00/-15.26	-11.30/-13.08	-10.91/-9.01	-8.88/-15.33	-11.89/-8.84	-15.35/-11.85	-8.52/-10.17	-9.21/-8.82	-11.36/-11.57	-8.85/-7.95	-9.45/-8.89	-9.35/-14.27	-15.14/-14.67	-15.01/-13.58	-9.25/-9.10	-10.25/-9.24	-11.03/-12.40	-15.42/-11.69	-10.69/-12.47	-11.81/-10.64	-9.34/-8.51
Θ(157.5°)	-12.46/-11.71	-9.95/-8.89	-9.55/-12.05	-14.12/-16.15	-15.04/-13.94	-11.70/-10.68	-11.13/-10.56	-9.07/-10.59	-12.61/-14.31	-14.58/-10.75	-9.39/-9.89	-9.81/-9.29	-7.45/-8.17	-10.71/-10.41	-9.38/-10.56	-13.18/-11.43	-9.80/-9.16	-9.92/-12.32	-15.12/-14.91	-15.24/-15.01	-13.95/-14.19	-14.44/-15.46	-13.44/-11.96	
Θ(165°)	-13.97/-13.96	-12.64/-11.59	-11.67/-11.76	-10.84/-11.14	-10.74/-10.39	-11.04/-12.71	-13.97/-15.12	-14.73/-12.21	-10.86/-10.18	-10.88/-11.85	-12.64/-12.35	-13.42/-14.99	-11.86/-10.53	-10.50/-10.32	-10.05/-9.94	-9.46/-8.32	-6.28/-5.81	-6.28/-8.27	-10.94/-13.46	-15.13/-15.24	-14.88/-14.84	-14.78/-14.18	-12.61/-12.10	-12.53/-13.20
Θ(172.5°)	-12.66/-11.39	-10.09/-9.85	-10.14/-10.40	-10.54/-10.08	-10.58/-11.09	-11.86/-12.87	-14.17/-15.26	-16.00/-14.78	-15.39/-15.37	-14.21/-13.40	-12.75/-12.06	-10.95/-10.38	-9.99/-9.49	-8.93/-8.50	-8.78/-8.74	-8.57/-9.15	-9.80/-11.35	-13.30/-14.29	-15.45/-13.58	-12.72/-11.59	-10.54/-10.91	-11.03/-11.03	-11.51/-12.08	-12.48/-12.75
Θ(180°)	-7.96/-7.67	-7.52/-7.82	-8.02/-7.43	-7.10/-6.60	-7.27/-8.39	-9.85/-10.31	-9.58/-9.53	-9.18/-9.45	-9.45/-9.38	-9.61/-9.17	-8.44/-7.70	-7.37/-6.91	-6.75/-6.66	-6.32/-6.23	-6.46/-6.14	-6.14/-6.45	-6.81/-7.33	-7.56/-7.55	-7.29/-6.43	-6.25/-5.82	-6.48/-6.74	-6.84/-7.23	-7.50/-7.89	-7.89/-7.36
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°)	-9.36/-9.55	-11.14/-11.80	-10.85/-10.86	-11.36/-10.68	-9.82/-8.95	-8.10/-7.67	-7.39/-7.63	-7.89/-8.38	-8.55/-8.65	-8.88/-9.65	-9.64/-9.01	-8.39/-8.10	-9.73/-10.38	-8.52/-7.67	-7.87/-9.10	-8.89/-8.17	-7.79/-7.76	-8.03/-8.24	-9.04/-9.44	-9.64/-9.81	-10.00/-10.54	-11.12/-10.96	-10.81/-11.05	-10.76/-9.84
Θ(7.5°)	-12.81/-12.95	-13.27/-14.96	-15.59/-14.60	-15.19/-15.44	-15.11/-14.76	-13.95/-14.84	-13.87/-12.12	-10.14/-9.68	-8.78/-7.77	-7.38/-6.64	-6.16/-5.68	-5.83/-5.99	-7.08/-8.62	-9.32/-10.01	-9.56/-10.50	-11.94/-11.93	-11.15/-9.83	-9.75/-9.78	-9.92/-10.08	-10.93/-10.96	-10.92/-10.47	-9.97/-10.00	-10.50/-12.00	-13.00/-13.62
Θ(15°)	-9.06/-13.86	-10.33/-6.08	-4.73/-4.70	-4.80/-5.52	-5.52/-5.51	-5.41/-5.16	-4.98/-4.18	-3.40/-2.64	-2.73/-2.81	-2.89/-2.87	-3.19/-3.34	-3.93/-4.99	-7.15/-8.40	-8.00/-7.91	-7.54/-8.76	-8.86/-7.67	-6.19/-5.09	-5.20/-5.89	-6.07/-5.72	-5.73/-5.90	-5.74/-5.35	-4.71/-4.67	-5.29/-6.55	-6.75/-6.96
Θ(22.5°)	-8.87/-6.62	-6.00/-3.11	-1.74/-1.20	-1.01/-0.95	-0.39/-0.32	-0.56/-0.63	-0.61/-0.23	-0.28/-0.30	-0.36/-0.59	-0.63/-1.04	-1.88/-2.86	-4.76/-5.28	-5.05/-4.30	-3.44/-2.49	-2.07/-4.24	-8.66/-10.89	-7.76/-6.10	-5.55/-4.56	-3.78/-3.29	-4.30/-5.77	-4.66/-10.93	-8.05/-7.57	-7.54/-8.31	
Θ(30°)	-6.45/-9.65	-8.96/-5.98	-3.46/-2.15	-1.98/-1.21	-0.79/-0.09	-0.02/-0.29	-0.96/-1.14	-1.03/-0.90	-1.23/-1.39	-0.49/-0.70	0.61/-0.09	-1.25/-0.11	0.52/-1.66	1.370.77	0.900.94	-0.08/-2.06	-3.81/-2.84	-0.510.36	-0.35/-0.15	0.12/-1.38	-3.28/-4.04	-3.41/-3.82	-4.20/-3.80	-4.05/-4.20
Θ(37.5°)	-3.09/-4.95	-3.020.30	1.520.80	-0.23/-0.18	0.01/-1.16	-2.59/-2.73	-1.49/-0.33	-0.40/-1.06	-0.82/-1.12	-0.770.98	1.26/-0.10	-1.040.70	2.002.37	0.791.43	0.890.03	0.371/-1.17	1.320.24	-1.56/-1.79	-0.98/-1.31	-3.42/-3.12	-1.20/-0.91	-2.07/-1.75	-0.95/-1.47	
Θ(45°)	0.71/-4.34	0.473.00	3.221/-1.7	-0.73/-0.77	0.330.12	-1.71/-2.54	-0.04/-1.68	0.56/-2.02	-0.58/-0.23	-0.602/-1.7	2.801.24	-0.410.12	0.612.44	2.962.90	1.841.07	-1.520.33	1.612/-0.9	2.281.84	-0.24/-2.04	-1.40/-1.28	-1.47/-1.74	-1.39/-0.33	-0.19/-0.44	-0.371/-0.09
Θ(52.5°)	2.801.00	0.552.71	3.191.94	-0.13/-1.98	-0.360.99	0.72/-0.31	0.412.27	0.57/-1.74	0.69/-0.42	-1.950.58	1.09/-0.14	0.220.70	0.952.70	3.292.26	0.71/-0.19	1.191.31	1.351.08	1.661.73	-0.38/-2.87	-1.561.04	1.021.64	0.711.70	1.872.10	2.173.24
Θ(60°)	4.041.89	1.362.54	2.330.41	-0.23/-0.77	0.482.83	3.873.13	1.742.95	2.900.81	1.990.08	-2.77/-2.47	-0.97/-2.72	-0.79/-1.01	-0.631.46	1.381.66	-1.37/-2.54	-1.10/-0.35	-1.01/-0.49	-0.96/-1.32	-2.39/-3.91	-1.621.94	1.102.77	1.952.06	2.463.45	3.804.63
Θ(67.5°)	3.551.97	2.273.15	2.430.31	0.611.37	1.513.00	3.352.02	1.853.21	3.622.60	1.431.09	-0.262/-0.1	-1.790.43	-0.47/-3.42	-1.980.78	0.500.87	1.941.60	-1.510.99	0.580.38	-0.14/-1.60	0.310.06	0.782.18	2.343.20	1.921.66	1.932.77	3.204.36
Θ(75°)	3.041.78	2.142.25	0.43/-0.99	-0.040.17	1.222.82	2.121.83	2.073.76	3.072.34	1.812.48	0.43/-0.25	-0.471.28	0.00/-2.26	-1.200.61	0.912.11	2.95/-0.57	0.932.49	0.970.70	2.400.72	1.531.48	2.001.61	0.972.02	1.671.56	1.271.04	2.214.13
Θ(82.5°)	2.931.44	1.921.17	-0.95/-3.24	0.381.14	0.271.65	2.572.97	1.560.09	-0.25/-0.91	-0.920.88	-0.84/-2.73	-0.691.03	0.542.08	0.73/-0.92	2.332.94	0.510.44	2.772.54	2.661.25	2.652.00	-0.640.03	0.860.98	1.150.35	1.063.58		
Θ(90°)	1.170.19	0.90/-0.54	-2.90/-3.74	-2.95/-2.80	-0.71/-1.78	-1.551.36	1.410.86	0.55/-1.26	0.89/-0.84	-3.20/-3.98	-4.04/-1.11	-3.28/-5.55	-2.971.67	-1.011.58	-0.170.93	0.24/-0.73	-0.103.93	0.591.05	-2.54/-1.62	-1.39/-0.72	-0.04/-1.68	-1.092.21		
Θ(97.5°)	-0.36/-1.58	-1.66/-1.90	-3.43/-5.25	-4.79/-5.47	-2.93/-2.96	-4.83/-0.67	-0.45/-0.65	-2.24/-3.78	-1.46/-2.69	-5.78/-6.05	-5.50/-2.84	-4.34/-5.58	-4.47/-4.86	-3.18/-1.29	-2.00/-3.67	-4.03/-3.78	-3.04/-3.94	-3.09/-3.91	-2.27/-2.40	-2.82/-2.42	-6.05/-2.45	-1.81/-2.17	-1.48/-3.02	-2.280.39
Θ(105°)	-2.80/-3.31	-3.68/-3.06	-5.51/-7.20	-6.39/-8.87	-4.26/-1.49	-5.14/-6.39	-6.62/-2.68	-2.65/-0.57	-5.78/-4.04	-4.07/-3.77	-6.22/-7.24	-6.69/-7.50	-6.59/-3.70	-2.86/-5.03	-6.29/-7.66	-6.56/-6.19	-4.98/-7.56	-5.46/-3.56	-4.77/-5.52	-7.20/-3.45	-3.28/-3.72	-4.40/-5.38	-5.46/-8.02	
Θ(112.5°)	-3.54/-2.61	-4.83/-5.75	-8.06/-7.53	-9.26/-4.85	-3.60/-3.58	-5.00/-6.16	-4.72/-0.13	-4.54/-7.77	-5.50/-9.58	-5.24/-8.28	-7.63/-8.33	-8.25/-8.06	-5.37/-5.51	-8.01/-8.62	-8.76/-3.24	-8.97/-8.74	-3.88/-6.21	-4.25/-3.51	-4.71/-5.56	-9.071.88	-1.79/-4.43	-6.43/-6.59	-4.84/-4.22	
Θ(120°)	-4.22/-4.17	-6.20/-6.13	-7.48/-12.08	-11.61/-9.69	-6.34/-7.16	-10.55/-8.79	-5.57/-5.65	-8.97/-6.78	-7.78/-5.54	-6.91/-10.57	-9.35/-7.90	-7.77/-12.85	-10.01/-6.37	-7.73/-6.47	-9.09/-9.59	-6.68/-4.28	-7.67/-10.36	-9.27/-6.94	-7.52/-4.74	-7.54/-11.43	-11.81/-9.84	-3.36/-5.08	-5.37/-10.33	-3.95/-4.20
Θ(127.5°)	-6.20/-6.73	-8.04/-4.73	-8.55/-10.25	-10.24/-11.85	-9.11/-8.43	-6.32/-8.77	-7.58/-9.44	-5.01/-10.41	-12.91/-8.74	-8.82/-6.54	-5.84/-8.15	-13.70/-12.43	-13.52/-8.14	-9.35/-1.50	-8.55/-8.58	-6.80/-1.70	-9.38/-9.01	-11.07/-12.35	-9.69/-4.79	-11.79/-12.71	-6.12/-6.87	-5.04/-12.35	-7.44/-9.73	-7.23/-6.12
Θ(135°)	-5.47/-7.02	-9.17/-11.50	-12.24/-13.41	-11.72/-9.67	-6.18/-10.64	-10.38/-7.85	-9.33/-7.77	-10.31/-13.30	-10.58/-12.54	-7.60/-5.84	-4.74/-6.15	-9.72/-13.67	-11.92/-11.14	-10.47/-5.97	-8.49/-6.91	-4.44/-8.27	-5.50/-9.05	-9.05/-5.93	-6.08/-3.47	-7.30/-10.53	-13.32/-8.29	-5.71/-9.71	-6.93/-8.29	-9.58/-6.47
Θ(142.5°)	-9.42/-6.92	-7.89/-13.95	-14.09/-12.54	-11.82/-12.21	-13.64/-9.99	-8.59/-9.12	-6.52/-5.12	-7.53/-8.24	-11.12/-14.09	-11.02/-9.97	-8.78/-9.56	-13.89/-16.10	-13.38/-12.99	-5.97/-4.87	-5.93/-7.19	-15.38/-15.27	-10.45/-11.80	-11.01/-8.49	-11.34/-12.05	-14.64/-14.73	-12.60/-9.48	-9.59/-9.53	-6.68/-7.42	-12.32/-14.79
Θ(150°)	-14.46/-12.13	-10.87/-9.69	-9.60/-11.26	-13.53/-14.78	-13.86/-12.91	-12.97/-10.67	-7.36/-6.97	-7.21/-6.74	-10.38/-13.71	-10.78/-11.30	-8.86/-8.86	-12.07/-13.90	-12.40/-9.77	-7.87/-8.65	-9.81/-12.43	-12.81/-10.45	-11.91/-13.07	-10.66/-10.92	-13.02/-12.70	-11.42/-12.93	-15.41/-15.35	-13.52/-12.04	-7.96/-7.10	-9.77/-12.26
Θ(157.5°)	-9.20/-10.42	-10.63/-10.17	-10.97/-10.98	-9.50/-10.57	-13.85/-12.80	-9.88/-10.72	-10.28/-8.72	-8.21/-8.79	-9.84/-9.33	-7.86/-6.59	-5.33/-9.24	-14.34/-12.04	-7.23/-5.84	-7.47/-9.06	-8.32/-9.68	-10.66/-10.49	-10.59/-11.11	-9.65/-9.01	-11.70/-15.28	-15.24/-15.19	-15.65/-12.55	-11.60/-12.04	-10.48/-9.37	-7.80/-8.42
Θ(165°)	-15.08/-15.56	-13.68/-12.24	-12.29/-11.94	-12.14/-11.31	-9.77/-8.85	-9.76/-12.58	-15.11/-15.04	-13.51/-10.69	-9.35/-10.61	-14.61/-15.28	-15.85/-15.07	-13.71/-13.17	-15.87/-15.56	-12.62/-9.01	-7.39/-7.54	-7.85/-7.08	-6.51/-7.73	-10.17/-13.39	-12.49/-13.57	-14.98/-13.28	-14.01/-14.91	-15.70/-14.52	-14.61/-14.67	
Θ(172.5°)	-15.74/-14.93	-15.87/-16.06	-15.02/-15.10	-15.27/-14.87	-13.81/-13.34	-13.14/-11.88	-11.13/-10.71	-11.01/-12.45	-13.88/-14.59	-12.58/-11.37														

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





Total Gain Data

Freq(Hz)	2.45GPol.	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°)	1.071/1.5	1.211/1.9	1.030/57	-0.06/0.43	-0.15/0.62	1.241/33	0.99/58	0.43/61	0.83/89	0.79/63	0.50/42	0.39/38	0.34/37	0.49/60	0.56/69	0.15/08	0.33/64	0.81/93	1.04/115	1.32/144	1.48/142	1.28/114	1.03/98	1.00/104		
Θ(7.5°)	2.022/00	2.052/06	1.91/54	1.00/55	0.47/0.91	1.52/185	1.67/120	0.78/67	0.90/80	0.63/30	-0.02/-0.25	-0.42/-0.64	-0.88/-1.03	-1.02/-0.93	-0.89/-91	-0.95/-79	-0.28/0.35	0.88/124	1.45/154	1.74/194	2.17/228	2.22/209	1.99/199	2.00/200		
Θ(15°)	2.722/67	2.682/71	2.562/26	1.86/137	0.99/100	1.43/188	1.96/163	1.12/804	0.78/60	0.75/36	-0.11/-0.54	-1.02/-1.62	-2.29/-2.74	-3.03/-3.01	-3.05/-2.66	-2.03/-1.41	-0.81/-0.24	0.36/1.01	1.55/187	2.06/227	2.59/289	2.98/290	2.83/283	2.83/277		
Θ(22.5°)	3.143/13	3.163/13	2.982/75	2.41/193	1.47/138	1.822/34	2.51/222	1.56/100	0.77/73	0.56/21	-0.24/-0.80	-1.58/-2.72	-3.91/-4.90	-5.27/-5.54	-5.14/-414	-2.88/-182	-1.00/-0.40	0.13/0.77	1.46/199	2.27/239	2.61/295	3.143/17	2.87/230	3.24/321		
Θ(30°)	3.083/10	3.163/15	3.062/97	2.79/244	1.90/170	2.04/266	3.03/296	2.46/179	1.09/48	-0.05/-0.49	-0.87/-1.39	-2.27/-3.60	-5.05/-5.79	-6.36/-6.09	-5.49/-471	-3.74/-274	-1.60/-0.42	0.46/1.01	1.35/178	2.17/233	2.40/264	2.91/303	3.05/317	3.25/321		
Θ(37.5°)	2.772/84	2.942/89	2.782/70	2.68/260	2.29/201	2.01/223	2.52/264	2.49/204	1.22/014	-0.84/-1.48	-1.85/-2.55	-2.92/-4.02	-5.20/-6.01	-6.24/-6.20	-5.92/-5.50	-4.79/-379	-2.45/-0.99	0.26/0.98	1.12/109	1.73/237	1.62/190	2.23/236	2.45/268	2.88/289		
Θ(45°)	2.202/34	2.552/53	2.342/25	2.32/52	2.49/219	1.73/135	1.35/154	1.64/144	0.81/-0.17	-1.09/-1.66	-2.07/-2.37	-2.66/-3.25	-4.29/-5.64	-7.10/-8.12	-8.33/-7.66	-6.11/-4.10	-2.21/-0.40	-0.00/0.56	0.69/0.47	0.19/0.14	0.36/0.77	1.04/1.16	1.35/178	2.12/223		
Θ(52.5°)	1.331/57	1.861/92	1.791/80	2.07/253	2.77/260	1.93/904	0.35/0.44	0.73/0.73	0.30/-0.34	-0.89/-1.45	-2.26/-3.04	-3.29/-3.49	-4.25/-5.82	-7.58/-8.47	-8.79/-8.80	-7.43/-5.01	-2.58/0.83	0.03/0.15	-0.02/-0.13	-0.30/-0.54	-0.55/-0.39	-0.40/-0.45	-0.09/0.57	1.07/125		
Θ(60°)	0.49/0.77	1.04/1.14	1.16/1.40	1.84/2.37	2.72/2.63	1.95/0.71	-0.37/-0.39	0.28/0.59	0.28/0.25	-0.90/-1.90	-3.39/-4.58	-3.99/-3.16	-3.72/-5.12	-7.61/8.30	-8.84/-9.07	-7.89/-6.16	-4.12/-2.09	-0.77/-0.54	-1.09/-1.63	-1.72/-1.48	-1.06/-0.86	-1.15/-1.67	-1.57/-0.71	0.10/0.41		
Θ(67.5°)	-0.17/0.18	0.39/0.43	0.64/1.02	1.45/1.86	2.28/2.23	1.59/0.39	-0.67/-0.60	0.28/0.66	0.19/-0.73	-2.04/-3.65	-4.97/-4.85	-3.95/-2.30	-3.51/-6.19	-8.97/-9.27	-9.35/-9.86	-7.07/-5.71	-4.70/-3.31	-2.12/-1.84	-2.40/-3.27	-3.98/-3.86	-2.66/-2.00	-2.53/-1.90	-0.74/-0.21			
Θ(75°)	-0.79/-0.50	-0.14/0.01	0.29/0.61	0.88/1.36	1.90/1.89	1.26/0.27	-0.56/-0.78	-0.26/0.03	-0.61/-1.77	-2.88/-3.56	-4.08/-4.72	-3.43/-4.29	-3.40/-5.73	-8.06/-9.79	-8.26/9.04	-8.61/-8.71	-7.58/6.69	-5.37/-4.70	-4.81/-6.57	-4.59/4.94	-4.93/-0.45	-3.49/-3.45	-3.11/-2.65	-1.50/-0.70		
Θ(82.5°)	-1.27/-1.42	-0.64/0.03	0.42/0.55	0.61/0.89	1.92/1.55	1.16/0.39	-0.67/-1.51	-1.19/-0.55	-0.96/-2.00	-2.78/-3.47	-5.07/6.37	-3.49/-2.09	-3.10/-5.58	-7.45/-7.52	-7.66/-9.31	-10.20/-9.41	-10.63/-10.73	-7.99/-6.64	-6.63/-6.50	-5.49/-4.46	-4.27/-4.72	-4.73/-5.14	-4.40/-3.08	-2.04/-1.12		
Θ(90°)	-1.17/-1.73	-1.24/0.15	0.85/0.80	0.41/0.30	0.64/0.90	0.85/0.32	-0.82/-2.35	-2.33/-1.00	-0.94/-2.56	-4.43/-5.34	-6.49/-6.73	-3.42/-2.15	-3.69/-5.63	-6.67/-7.70	-8.20/-10.90	-10.80/-8.88	-11.12/-11.57	-8.57/-6.30	-6.01/-6.71	-6.88/-5.41	-4.19/-4.61	-4.58/-5.10	-6.30/-4.09	-2.46/-1.43		
Θ(97.5°)	-1.48/-1.74	-1.92/-0.51	0.36/-0.14	-0.92/-1.13	-0.62/0.16	0.64/0.14	-1.91/-4.64	-2.89/-0.63	-1.29/-3.40	-5.60/-5.40	-7.15/-7.77	-3.49/-2.59	-4.61/-6.06	-7.94/-9.57	-8.49/-10.00	-9.09/-0.93	-11.82/-12.99	-9.41/-4.67	-5.83/-6.56	-6.89/-6.45	-5.51/-6.19	-5.63/-4.36	-5.97/-5.19	-3.04/-2.16		
Θ(105°)	-2.72/-2.25	-2.48/-1.36	-0.18/-0.68	-1.91/-1.93	-0.64/0.42	0.42/-1.10	-4.04/-4.52	-1.78/-0.98	-3.33/-7.22	-6.82/-6.55	-7.85/-7.22	-4.16/-4.38	-7.80/-9.08	-9.95/-8.15	-8.67/-8.19	-12.53/-14.92	-10.66/-7.38	-6.48/-6.91	-6.45/-6.16	-6.19/-7.07	-7.80/-6.40	-5.25/-5.90	-3.69/-3.16			
Θ(112.5°)	-4.66/-4.12	-4.04/-3.34	-1.64/-1.09	-1.56/-1.54	-0.80/-0.45	-1.16/-2.76	-3.96/-3.34	-2.59/-3.53	-6.41/-6.71	-4.84/-4.59	-6.61/-10.16	-6.88/-8.37	-7.80/-9.63	-7.82/-7.31	-6.04/-10.37	-10.55/-11.74	-13.94/-15.52	-10.79/-8.25	-7.63/-7.94	-6.34/-5.47	-6.41/-7.75	-7.18/-6.90	-5.63/-6.66	-4.94/-4.19		
Θ(120°)	-5.25/-5.35	-4.73/-4.22	-2.93/-1.79	-1.74/-2.31	-2.46/-2.20	-2.23/-2.98	-3.91/-3.68	-3.09/-3.54	-4.93/-5.37	-5.40/-6.77	-11.24/-11.84	-6.61/-4.98	-5.41/-7.55	-11.66/-13.17	-13.50/-13.50	-13.06/-12.96	-14.37/-15.06	-13.72/-10.31	-9.81/-9.23	-6.98/-5.59	-6.40/-8.26	-8.04/-6.16	-5.59/-6.64	-5.92/-4.72		
Θ(127.5°)	-6.09/-6.17	-6.34/-5.61	-4.40/-2.79	-1.62/-1.12	-1.25/-1.91	-3.11/-4.52	-4.50/-3.40	-3.29/-4.78	-4.73/-7.96	-6.60/-5.88	-6.14/-5.90	-5.42/-6.08	-8.10/-12.66	-15.20/-14.90	-14.59/-14.86	-12.60/-11.31	-14.47/-15.47	-14.28/-11.63	-11.46/-10.86	-8.71/-7.16	-7.56/-7.89	-8.07/-6.43	-5.87/-6.60	-6.89/-6.07		
Θ(135°)	-6.35/-6.07	-5.78/-5.47	-5.08/-4.34	-3.44/-2.91	-3.38/-4.97	-6.14/-5.38	-4.09/-3.92	-5.16/-7.52	-3.83/-1.00	-4.21/-3.74	-4.61/-6.21	-7.76/-6.91	-11.11/-12.74	-15.55/-15.18	-14.34/-15.15	-13.10/-11.83	-12.61/-12.40	-12.04/-10.88	-11.56/-12.21	-10.02/-8.37	-8.29/-8.08	-6.80/-5.88	-6.02/-6.94	-7.41/-6.90		
Θ(142.5°)	-7.29/-6.07	-4.86/-3.85	-3.23/-3.17	-3.67/-4.42	-5.22/-5.30	-4.34/-3.50	-3.41/-4.38	-6.21/-7.75	-7.13/-5.58	-4.76/-5.03	-6.21/-7.67	-8.79/-8.96	-11.07/-13.21	-15.54/-15.29	-14.99/-13.00	-10.99/-9.50	-8.76/-8.28	-8.50/-8.78	-10.02/-11.83	-11.08/-8.92	-7.72/-6.84	-5.77/-5.02	-5.31/-6.71	-8.12/-8.24		
Θ(150°)	-8.24/-7.61	-6.43/-5.26	-4.25/-3.81	-4.02/-4.76	-5.28/-5.19	-4.84/-5.04	-6.00/-7.50	-8.52/-7.88	-4.60/-5.53	-5.45/-6.16	-7.33/-8.51	-9.40/-10.50	-12.19/-13.80	-14.75/-12.95	-11.22/-9.72	-8.33/-7.69	-7.64/-7.25	-7.40/-7.78	-7.99/-9.32	-7.72/-7.60	-6.87/-5.03	-4.80/-5.52	-6.90/-8.06			
Θ(157.5°)	-6.82/-6.82	-6.49/-6.16	-5.99/-6.09	-6.34/-6.47	-6.43/-6.36	-6.98/-7.12	-6.72/-6.13	-5.58/-5.14	-4.86/-5.01	-5.72/-6.87	-8.12/-9.08	-10.18/-10.91	-12.04/-13.35	-14.09/-12.92	-10.65/-9.60	-8.85/-8.87	-8.97/-10.28	-9.50/-8.74	-9.07/-10.41	-11.30/-10.37	-8.98/-7.86	-6.87/-5.97	-5.42/-5.51	-6.05/-6.55		
Θ(165°)	-6.29/-6.00	-5.62/-5.33	-5.14/-4.96	-4.70/-4.45	-4.40/-4.47	-4.44/-4.27	-4.12/-4.19	-4.52/-4.87	-5.20/-5.74	-6.57/-7.38	-8.12/-8.70	-9.23/-9.83	-10.21/-10.57	-11.06/-11.38	-11.55/-11.41	-11.79/-13.00	-14.04/-13.04	-12.01/-12.24	-13.01/-13.45	-12.79/-11.69	-10.43/-9.04	-7.77/-6.97	-6.53/-6.46	-5.58/-6.47		
Θ(172.5°)	-6.94/-6.77	-6.47/-6.04	-5.68/-5.35	-5.19/-5.06	-4.98/-4.93	-5.17/-5.76	-6.83/-6.82	-7.11/-7.62	-8.63/-8.62	-10.17/-7.62	-8.99/-9.10	-9.16/-9.13	-9.06/-9.21	-9.85/-11.26	-13.23/-14.21	-15.18/-14.03	-12.82/-12.38	-12.20/-12.30	-12.18/-12.05	-11.74/-11.20	-10.25/-8.90	-7.65/-7.07	-6.73/-6.81	-6.99/-7.01		
Θ(180°)	-7.36/-7.70	-7.99/-8.06	-7.99/-7.85	-7.86/-7.69	-7.99/-8.70	-9.77/-11.15	-11.45/-10.68	-10.06/-10.06	-10.46/-10.47	-10.22/-10.18	-10.02/-9.99	-10.12/-9.82	-9.84/-10.64	-12.24/-13.80	-12.62/-10.35	-9.15/-9.37	-8.58/-9.58	-8.44/-7.57	-7.33/-7.52	-7.77/-7.77	-7.57/-7.32	-6.88/-6.42	-6.34/-6.54	-6.99/-7.07		
Freq(Hz)	5.2GPol.	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°)	0.44/-0.52	0.38/-0.50	-0.51/-0.34	-0.41/0.01	0.38/0.02	0.03/0.49	0.46/0.46	0.78/0.76	0.33/0.11	0.02/0.12	-0.21/-0.33	-0.26/-0.02	-0.46/-0.92	-1.04/-0.60	-0.43/-0.50	-0.40/-0.54	-0.43/0.06	0.30/0.12	0.28/0.19	0.23/0.50	0.47/0.40	0.08/0.30	-0.42/-0.67	-0.77/-0.47		
Θ(7.5°)	0.24/0.34	0.32/0.09	-0.31/-0.59	-0.37/-0.39	0.15/0.59	0.43/0.89	1.17/0.80	0.67/0.62	0.09/-0.31	-0.55/-0.66	-0.67/-0.73	-0.64/0.64	-1.10/-1.69	-2.06/-2.20	-1.44/-0.76	-0.48/-0.22	0.17/0.77	1.15/1.31	1.44/1.55	1.53/1.43	1.60/1.84	1.69/1.32	1.07/0.87	0.54/0.39		
Θ(15°)	0.19/0.18	-0.19/-0.58	-0.85/-0.35	-0.02/0.39	0.76/1.67	2.04/2.27	2.69/2.78	2.61/2.32	1.78/1.22	0.60/1.18	-0.45/-0.69	-0.55/-0.77	-1.52/-2.56	-2.87/-2.69	-1.62/-0.80	-0.65/-0.34	0.02/0.42	1.38/1.99	2.23/2.32	2.65/2.78	2.37/2.42	2.61/2.59	2.43/2.01	1.54/0.50		
Θ(22.5°)	-0.41/-1.14	-1.46/-1.88	-2.11/-2.03	-1.98/-0.90	0.20/1.12	1.99/2.50	2.96/3.33	3.24/3.12	2.79/2.26	1.45/0.41	-0.34/-0.62	-0.31/-0.61	-1.76/-2.72	-2.52/-2.43	-2.03/-1.29	-0.44/0.45	1.08/0.65	2.71/2.65	3.04/3.60	3.45/2.86	2.64/2.14	1.67/1.20	0.60/0.07			
Θ(30°)	-2.74/-2.76	-2.16/-3.08	-3.59/-3.84	-2.53/-0.96	0.32/1.29	2.27/2.77	3.00/3.14	2.59/1.95	1.92/1.97	1.82/0.81	-0.38/-0.64	-0.34/0.83	-2.35/-3.30	-3.91/-4.68	-3.20/-1.20	-0.27/-0.06	0.34/0.53	1.23/2.42	2.83/2.47	2.48/2.76	2.86/1.94	1.41/0.92	0.54/0.19	-0.87/-1.56		
Θ(37.5°)	-4.23/-2.41	-2.87/-4.75	-5.75/-3.59	-2.36/-2.02	-1.37/0.04	1.87/2.87	3.06/2.58	1.81/1.05	1.20/0.83	1.32/1.08	-0.66/-1.46	-1.21/-2.48	-4.10/-5.26	-7.01/-7.42	-5.58/-2.90	-0.87/0.20	1.24/0.91	1.74/2.18	1.97/3.03	3.13/2.07	0.17/-1.04	-1.11/-1.40	-2.05/-3.85			
Θ(45°)	-6.58/-5.18	-6.42/-8.03	-6.44/-3.32	-2.54/-2.40	-2.68/-1.69	0.32/1.93	2.59/2.25	1.44/0.48	0.25/0.67	0.26/0.23	-1.01/-2.55	-2.67/-2.95	-3.25/-4.48	-6.52/-6.77	-4.58/-3.15	-1.71/1.00	1.98/2.54	1.28/1.63	0.75/1.52	1.78/0.21	-1.36/-2.81	-6.88/-2				



Antenna Pattern of Scan Radio SC Ant1~2

Appendix B.4

Θ(22.5°)	0.590/67	0.920/65	0.550/74	0.861/31	1.681/25	1.651/71	2.252/35	1.751/96	1.280/45	0.280/46	0.58/-0.28	-2.07/-2.86	-2.94/-3.27	-2.87/-3.05	-3.10/-3.82	-3.80/-3.18	-2.22/-0.85	-0.27/0.36	1.552/16	1.951/00	1.421/92	2.732/69	1.680/81	0.490/55
Θ(30°)	-1.03/-2.87	-4.06/-3.32	-1.73/-0.58	0.190/80	0.250/12	0.611/18	1.792/05	1.951/75	1.040/31	0.080/12	-0.16/-1.21	-2.14/-3.04	-3.46/-3.27	-3.41/-11	-5.51/-4.79	-3.73/-3.14	-1.53/0.28	0.880/13	0.372/12	3.011/72	-0.10/1.14	1.601/38	1.311/08	0.200/16
Θ(37.5°)	-4.36/-5.67	-4.31/-3.29	-2.64/-2.39	-1.73/-1.75	-1.64/-1.45	-0.87/-0.06	1.061/48	2.201/40	0.050/26	0.44/-0.22	-0.38/-0.86	-2.84/-0.68	-6.01/-4.97	-6.71/-4.89	-3.68/-3.15	-3.23/-2.03	-0.65/0.63	2.082/23	2.282/71	2.822/12	-0.50/0.61	-0.11/0.72	1.48/-0.63	-2.39/-0.46
Θ(45°)	-2.40/-6.87	-5.76/-4.75	-4.63/-4.22	-2.91/-1.67	-1.84/-1.60	-0.90/0.23	1.212/03	1.710/28	-0.12/0.15	1.360/88	-0.21/-1.51	-1.98/-3.57	-4.46/-6.26	-8.71/-8.53	-10.10/-1.62	-3.34/-1.03	-0.050/34	-0.050/89	2.342/64	2.422/13	0.10/-0.19	-2.35/-0.68	-0.71/-2.01	-1.82/-0.80
Θ(52.5°)	-4.01/-14.04	-10.33/-6.65	-4.78/-3.01	-1.56/-0.60	-0.75/-1.67	-1.42/-2.23	0.691/04	0.26/-0.50	-0.94/-0.28	2.071/11	0.05/-1.12	-0.73/-1.88	-1.54/-4.47	-3.51/-4.34	-4.60/-2.73	-1.84/-1.17	1.112/01	2.072/43	2.480/77	1.350/47	-0.01/-1.95	-2.28/-1.97	-2.66/-1.67	-1.56/-1.15
Θ(60°)	-11.57/-8.34	-7.44/-9.06	-5.93/-2.17	-0.680/15	0.36/-1.22	-0.91/-2.23	-1.33/-0.03	-0.00/-1.48	-0.30/-0.41	2.760/81	-0.90/-1.08	-0.47/-0.70	-1.50/-2.45	-1.26/-2.52	-1.29/-2.27	-3.06/-0.94	-0.720/60	1.35/-0.97	-0.13/-0.15	-1.66/-4.56	-2.24/-2.80	-5.30/-1.00	-1.87/-3.94	
Θ(67.5°)	-6.42/-3.33	-5.93/-6.43	-4.91/-2.29	-0.990/19	0.34/-1.76	-2.55/-2.63	-2.63/-2.71	-1.95/-2.14	-4.62/-0.58	1.711/0.59	0.051/50	1.37/-1.20	-2.51/-1.76	-1.55/-2.74	-3.25/-2.04	-0.91/-2.02	-6.63/-2.47	-0.86/-0.79	0.411/1.09	-2.19/-2.28	-4.87/-7.60	-3.87/-3.71	-3.80/-1.40	-3.22/-5.07
Θ(75°)	-4.59/-3.49	-4.69/-3.44	-4.24/-3.10	-1.97/-1.23	-0.30/-3.46	-4.97/-3.93	-2.76/-3.81	-3.19/-2.79	-5.28/-1.72	0.23/-1.30	-1.24/-1.58	0.29/-1.66	-4.41/-2.45	-2.54/-3.31	-3.09/-0.79	-0.80/-1.38	-4.58/-2.08	1.24/-0.75	-0.02/-0.92	-3.50/-3.83	-8.47/-1.18	-4.81/-6.94	-2.86/-1.11	-4.80/-1.65
Θ(82.5°)	-5.10/-3.85	-4.98/-3.95	-5.40/-3.13	-2.54/-3.00	-1.75/-3.81	-5.80/-5.16	-3.93/-4.71	-4.10/-5.64	-3.83/-3.55	-1.00/-3.19	-2.07/0.02	-0.59/-3.60	-7.24/-3.89	-4.49/-3.93	-1.40/-0.23	-3.23/-2.82	-2.32/-1.96	1.35/-0.70	-0.04/-2.09	-3.24/-5.04	-8.86/-7.49	-6.21/-9.02	-2.79/-2.07	-4.49/-1.71
Θ(90°)	-5.42/-4.05	-6.39/-4.79	-5.94/-3.91	-2.78/-3.02	-2.91/-4.30	-7.19/-5.42	-5.46/-5.26	-3.91/-6.98	-4.94/-4.52	-3.05/-5.07	-3.55/-1.76	-3.51/-5.87	-7.49/-6.11	-6.17/-6.25	-2.87/-0.47	-6.05/-7.37	-3.53/-2.42	-0.69/-2.94	-2.24/-5.30	-4.38/-6.38	-10.52/-7.58	-7.18/-7.97	-3.46/-3.83	-4.84/-1.28
Θ(97.5°)	-6.00/-5.91	-6.33/-5.82	-6.46/-4.26	-4.23/-5.30	-4.71/-4.56	-6.98/-6.06	-7.11/-6.95	-4.65/-8.06	-5.90/-5.02	-5.88/-4.27	-6.46/-6.33	-5.58/-4.27	-6.23/-7.66	-6.96/-1.68	-8.51/-7.07	-4.02/-2.73	-11.39/-13.25	-6.43/-5.35	-4.96/-7.08	-5.81/-8.73	-6.55/-9.40	-8.44/-7.54	-7.72/-7.37	-5.28/-5.21
Θ(105°)	-5.62/-7.50	-7.10/-5.10	-4.41/-5.60	-6.36/-5.71	-5.50/-6.64	-8.08/-7.99	-7.14/-8.38	-6.49/-7.12	-7.95/-6.59	-3.55/-7.30	-7.27/-6.05	-5.12/-7.54	-7.61/-12.89	-15.24/-11.19	-8.74/-2.30	-7.83/-8.12	-8.78/-8.91	-11.34/-10.88	-13.34/-8.90	-9.09/-7.88	-9.46/-10.74	-6.34/-8.35	-6.20/-7.10	-4.47/-2.51
Θ(112.5°)	-4.79/-8.65	-7.01/-6.67	-7.01/-7.11	-5.63/-5.96	-7.59/-7.48	-9.28/-8.74	-9.21/-5.90	-9.13/-7.88	-8.41/-7.09	-5.16/-5.92	-9.51/-7.69	-5.60/-6.17	-7.55/-14.21	-13.64/-14.99	-9.84/-5.28	-5.88/-8.06	-7.99/-11.31	-9.76/-10.55	-12.74/-6.90	-10.24/-9.65	-5.60/-11.50	-7.23/-7.65	-4.64/-6.91	-5.59/-4.09
Θ(120°)	-6.78/-6.20	-7.81/-8.96	-8.00/-6.83	-6.31/-5.84	-5.27/-7.32	-8.06/-7.07	-6.26/-7.64	-11.89/-6.99	-10.16/-8.76	-6.48/-5.53	-10.28/-6.06	-8.08/-9.09	-10.01/-10.02	-12.65/-14.65	-12.11/-7.85	-9.32/-8.36	-11.16/-10.50	-12.40/-9.43	-7.12/-6.77	-10.39/-11.98	-6.28/-10.00	-7.02/-7.21	-4.69/-8.36	-5.77/-5.37
Θ(127.5°)	-9.21/-8.90	-9.60/-11.38	-10.32/-9.71	-9.49/-8.13	-7.39/-8.82	-9.88/-10.01	-9.69/-10.18	-9.27/-9.41	-11.46/-11.63	-8.00/-5.29	-8.08/-13.47	-13.44/-12.02	-12.70/-10.09	-14.22/-12.97	-12.82/-13.61	-10.39/-6.56	-8.35/-15.67	-15.23/-10.57	-14.08/-11.59	-9.84/-8.45	-4.22/-6.94	-7.10/-6.17	-5.31/-6.73	
Θ(135°)	-9.78/-6.82	-7.90/-13.73	-12.38/-11.72	-9.53/-9.68	-9.44/-9.71	-10.41/-9.34	-11.37/-10.54	-10.23/-12.97	-10.23/-9.93	-11.59/-8.57	-6.81/-8.28	-14.73/-11.39	-12.88/-11.52	-10.83/-11.28	-16.26/-13.94	-8.83/-9.99	-15.30/-14.80	-15.29/-14.89	-10.44/-7.89	-10.10/-10.52	-12.81/-8.90	-6.14/-6.45	-6.34/-5.16	-5.81/-7.58
Θ(142.5°)	-11.18/-9.04	-7.80/-10.23	-10.54/-11.67	-12.55/-12.46	-9.51/-9.96	-8.62/-7.64	-9.52/-11.97	-9.14/-8.36	-14.23/-13.55	-7.15/-9.53	-11.61/-8.85	-10.10/-12.57	-10.55/-9.52	-10.83/-15.53	-15.16/-14.35	-9.82/-7.98	-11.41/-10.36	-6.61/-9.67	-7.63/-9.14	-13.97/-11.29	-8.87/-7.54	-4.96/-4.68	-9.38/-10.73	
Θ(150°)	-11.53/-6.22	-8.50/-10.31	-12.48/-12.21	-12.64/-13.42	-11.09/-9.04	-8.46/-8.11	-15.14/-11.85	-10.20/-11.36	-10.01/-9.47	-9.33/-9.97	-9.61/-9.93	-11.91/-15.20	-13.50/-12.38	-15.30/-14.29	-13.84/-13.07	-12.43/-14.98	-15.15/-9.46	-9.16/-8.90	-6.38/-7.68	-12.96/-12.69	-9.26/-7.29	-6.62/-6.17	-11.97/-14.06	
Θ(157.5°)	-14.69/-16.36	-14.98/-13.89	-14.11/-14.36	-12.50/-10.06	-10.43/-8.82	-7.78/-10.63	-11.94/-11.46	-11.71/-14.13	-11.60/-8.94	-8.07/-7.28	-7.42/-10.08	-15.48/-15.81	-13.46/-10.84	-12.29/-15.41	-15.16/-15.08	-13.33/-13.80	-15.29/-11.26	-10.08/-11.04	-10.94/-10.30	-8.81/-10.25	-10.35/-8.88	-8.61/-9.95	-9.44/-8.47	-9.18/-11.31
Θ(165°)	-11.33/-11.19	-11.78/-11.58	-11.44/-10.50	-9.82/-10.69	-10.15/-10.30	-12.69/-13.69	-14.10/-15.26	-15.16/-10.07	-7.89/-7.01	-7.16/-6.46	-10.56/-15.55	-14.95/-15.31	-12.36/-16.05	-9.84/-11.32	-12.07/-14.19	-14.53/-15.63	-15.46/-15.79	-15.01/-14.93	-15.17/-15.20	-15.13/-11.97	-8.94/-7.99	-7.75/-7.34	-8.13/-9.36	-10.22/-11.72
Θ(172.5°)	-10.21/-10.59	-10.66/-11.98	-12.12/-13.37	-13.09/-13.79	-13.30/-13.64	-13.89/-14.71	-15.31/-14.98	-12.76/-11.88	-13.41/-14.91	-14.47/-14.06	-13.03/-12.07	-10.79/-10.99	-12.64/-13.44	-14.45/-13.84	-13.22/-12.51	-12.17/-11.76	-12.53/-13.23	-14.25/-12.99	-11.82/-11.04	-11.60/-10.92	-9.80/-8.23	-7.98/-8.05	-7.88/-8.84	
Θ(180°)	-10.62/-9.59	-9.65/-9.76	-9.76/-10.80	-12.40/-13.00	-14.06/-15.63	-15.24/-13.59	-13.43/-13.13	-12.52/-14.23	-15.58/-15.01	-15.35/-15.28	-14.76/-15.92	-14.71/-15.32	-12.43/-13.49	-11.76/-10.66	-8.85/-10.58	-11.17/-10.81	-10.85/-11.17	-10.95/-10.80	-10.69/-10.32	-10.11/-8.98	-9.27/-9.80	-10.27/-9.90	-9.65/-10.27	-9.85/-9.95
Freq(Hz)	6.1750/GPol	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°)	1.99/1.58	1.59/1.95	1.94/1.77	1.39/1.54	1.60/1.68	1.82/1.72	1.82/1.74	2.08/1.92	1.80/1.71	1.48/1.44	1.34/1.30	1.41/1.33	1.39/1.37	1.13/1.25	1.29/1.50	1.75/1.56	1.59/1.39	2.01/1.56	1.98/1.84	2.31/2.23	2.08/2.09	2.18/2.31	2.31/2.43	2.50/2.37
Θ(7.5°)	2.922/69	2.472/49	2.522/38	2.662/77	2.983/03	3.083/16	2.973/00	2.802/70	2.532/16	1.801/83	2.112/29	2.372/28	1.912/03	2.141/50	1.882/23	2.042/18	2.031/97	1.801/65	1.441/17	0.921/20	0.670/97	1.241/92	2.382/73	2.983/15
Θ(15°)	1.070/50	0.210/62	0.771/10	1.101/43	1.632/30	2.912/90	3.152/35	2.272/25	2.372/50	2.472/26	2.242/13	1.921/13	-0.14/-1.05	-1.50/-1.37	-0.95/-1.20	-1.71/-1.21	-1.080/06	1.341/38	1.291/55	0.871/07	1.331/28	1.531/87	1.951/76	1.711/52
Θ(22.5°)	0.62/-0.19	-0.60/-0.07	0.540/78	0.631/00	1.321/02	1.631/98	2.952/68	2.472/05	0.841/26	2.091/27	0.23/-0.22	-0.99/-3.61	-5.38/-4.00	-2.70/-2.88	-2.53/-2.22	-2.50/-2.68	-3.45/-3.29	-1.970/49	1.611/53	0.770/42	0.592/25	2.982/27	1.380/94	1.120/63
Θ(30°)	-0.53/-1.44	-1.38/-1.22	-1.59/-1.44	-1.10/-1.14	-0.86/-0.68	0.261/03	1.031/28	2.142/37	0.370/32	1.870/48	-1.87/-1.37	-0.98/-1.52	-1.79/-3.18	-2.89/-2.68	-3.85/-4.84	-2.75/-1.93	-0.65/-0.41	-0.31/-0.99	1.363/08	2.940/67	-0.061/17	2.412/29	1.300/87	0.540/32
Θ(37.5°)	-1.80/-2.67	-2.20/-3.61	-3.25/-1.40	-0.210/69	0.43/-1.02	-2.25/-1.55	-0.631/25	1.981/29	0.740/03	0.320/43	-0.69/-1.12	-0.88/-2.71	-5.43/-6.00	-4.90/-3.40	-2.93/-3.62	-1.92/-0.46	-0.271/14	2.291/12	1.083/00	3.441/63	-0.750/27	1.460/67	0.03/-0.13	-0.22/-0.37
Θ(45°)	-8.24/-8.87	-7.54/-6.62	-4.04/-2.04	-0.320/98	1.220/47	-1.33/-2.73	-3.220/00	2.010/96	0.12/-0.84	0.380/31	-0.21/-1.20	-1.32/-2.44	-6.59/-5.06	-3.62/-3.83	-4.45/-6.17	-4.14/-1.80	0.051/16	1.630/85	0.962/74	2.911/85	-1.004/-0.42	1.241/79	-1.78/-0.83	-7.80/-2.06
Θ(52.5°)	-6.47/-5.32	-5.65/-3.55	-2.94/-1.65	-1.28/-1.06	-0.66/-1.36	-3.72/-4.72	-2.80/-3.14	-0.242/17	-0.19/-1.13	0.620/18	-0.74/-2.17	-4.02/-5.01	-5.22/-2.64	-0.94/-4.05	-6.52/-4.78	-1.440/31	2.351/18	1.802/46	2.173/22	2.831/55	-1.79/-1.01	0.271/37	-1.87/-1.32	-3.39/-7.81
Θ(60°)	-1.78/-2.84	-2.01/-1.15	-1.07/-0.86	1.368/-2.82	-4.52/-3.75	-3.16/-3.83	-4.34/-1.84	-1.091/16	0.89/-2.33	1.180/04	-2.08/-2.59	-2.85/-2.86	-4.04/-0.73	1.600/18	-3.87/-4.17	-0.080/24	1.200/47	-0.870/94	0.591/02	1.980/23	-2.89/-2.48	-1.43/-2.64	-1.58/-3.32	-3.47/-4.35
Θ(67.5°)	-1.08/-2.48	-1.69/-2.61	-3.36/-1.29	-0.43/-2.35	-4.06/-3.41	-3.62/-2.90	-3.41/-1.10	-0.020/39	-0.92/-1.34	-0.290/26	-3.97/-1.89	-0.62/-0.74	-2.65/-0.80	1.821/36	-4.04/-2.16	-0.480/71	-2.02/-2.87	-4.780/03	0.60/-1.63	-0.92/-3.12	-3.39/-4.57	-4.51/-1.80	-1.30/-5.52	-9.44/-1.01
Θ(75°)	-1.31/-2.69	-3.13/-5.91	-5.43/-4.32	-1.58/-2.59	-4.99/-3.72	-4.20/-2.53	-2.53/-1.76	0.93/-0.08	0.69/-1.56	-0.39/-0.69	-4.88/-1.95	0.09/-0.20	-2.50/-3.19	0.300/80	-2.89/-0.61	-0.34/-1.12	0.740/90	-1.850/37	1.130/27	-3.98/-5.54	-4.51/-5.69	-5.83/-1.		



Antenna Pattern of Scan Radio SC Ant1~2

Appendix B.4

θ(75°)	-3.75/2.44	0.380/51	-3.86/-0.37	-0.15/-0.55	0.43/-0.29	-3.90/-4.20	-4.86/-2.42	-1.29/0.08	0.16/-1.56	-0.70/-1.34	-1.66/-2.73	-2.37/-2.22	-2.18/-2.62	0.76/3.06	1.15/0.52	-1.16/-5.47	-5.92/-6.06	-6.82/-1.49	0.84/-5.90	-4.74/-6.03	-3.78/-5.18	-5.51/-7.44	-1.37/-1.55	-3.20/-2.76
θ(82.5°)	-4.21/-2.43	-0.07/-0.60	-4.95/-1.31	-2.10/-0.66	-0.75/-1.81	-5.21/-2.87	-3.48/-3.18	-2.69/-0.96	-0.14/-2.13	-1.22/0.73	-3.28/-2.75	-2.58/-1.43	-2.09/-3.15	-0.16/2.73	-0.01/-1.94	-2.36/-3.68	-4.40/-3.08	-7.42/0.16	2.10/-6.23	-5.17/-6.27	-4.73/-6.64	-7.33/-7.28	-2.09/-2.06	-2.49/-2.75
θ(90°)	-4.66/-3.28	-1.32/-1.45	-6.96/-3.92	-3.43/-3.01	-1.75/-2.06	-5.05/-3.65	-2.81/-1.79	-4.37/-1.28	-1.59/-3.27	-1.43/-0.15	-2.59/-4.19	-3.59/-3.43	-3.18/-5.26	-4.08/0.77	-0.84/-4.23	-6.31/-4.79	-5.58/-0.02	-7.64/-0.62	0.86/-5.65	-6.74/-8.27	-6.18/-5.08	-8.68/-7.55	-2.80/-2.74	-2.96/-3.36
θ(97.5°)	-5.19/-3.96	-2.53/-2.67	-6.65/-7.02	-5.34/-6.28	-5.31/-3.29	-9.07/-3.79	-3.06/-4.14	-4.33/-1.44	-2.43/-3.17	-2.47/-0.63	-4.20/-4.17	-4.90/-8.61	-5.92/-8.09	-4.80/-0.17	-1.96/-6.67	-11.46/-8.33	-8.19/-4.14	-10.76/-4.16	-2.59/-9.30	-8.82/-8.89	-5.92/-5.02	-8.55/-7.73	-2.45/-4.81	-3.01/-3.23
θ(105°)	-5.46/-4.71	-4.04/-5.20	-4.44/-6.40	-6.21/-8.08	-7.74/-8.19	-8.25/-5.74	-4.35/-5.24	-4.38/-3.19	-2.21/-2.16	-5.33/-1.49	-3.98/-4.49	-6.89/-8.67	-6.62/-12.52	-8.88/-3.48	-4.19/-8.98	-11.03/-11.94	-10.04/-9.14	-12.83/-13.90	-8.93/-8.45	-10.60/-8.12	-7.82/-6.15	-8.00/-5.74	-1.90/-3.73	-3.54/-2.70
θ(112.5°)	-5.28/-5.97	-3.72/-7.21	-6.77/-4.20	-6.44/-6.27	-5.30/-7.38	-6.25/-4.93	-2.89/-5.55	-4.62/-4.73	-3.93/-2.49	-9.95/-3.11	-5.69/-6.80	-8.77/-7.23	-8.58/-8.43	-15.43/-10.68	-9.54/-4.98	-9.10/-14.06	-6.27/-7.05	-7.30/-6.80	-4.51/-8.11	-12.75/-4.82	-7.07/-9.63	-8.62/-4.59	-2.41/-3.74	-5.41/-3.48
θ(120°)	-5.07/-7.26	-4.57/-6.16	-11.55/-7.56	-9.36/-10.71	-9.65/-7.18	-9.29/-5.97	-5.60/-10.31	-5.65/-5.61	-4.16/-6.22	-8.69/-9.72	-5.54/-9.97	-4.80/-5.86	-6.41/-4.22	-12.21/-7.18	-9.15/-6.45	-8.16/-11.60	-13.18/-9.28	-15.06/-7.62	-6.71/-10.86	-10.64/-5.32	-7.42/-9.98	-11.74/-5.33	-4.68/-5.63	-6.88/-7.40
θ(127.5°)	-8.31/-11.09	-7.88/-7.45	-13.32/-11.79	-11.52/-14.13	-12.02/-10.77	-12.22/-10.69	-4.67/-4.57	-11.08/-4.16	-7.78/-6.20	-8.02/-13.37	-5.89/-9.66	-7.34/-7.54	-8.15/-5.01	-12.53/-8.88	-13.52/-10.53	-9.04/-10.77	-11.57/-8.08	-10.24/-8.55	-13.27/-10.86	-12.67/-11.84	-13.56/-7.99	-6.44/-7.01	-8.23/-7.81	-8.43/-10.06
θ(135°)	-9.39/-10.77	-11.54/-8.41	-7.86/-9.72	-11.63/-8.59	-7.97/-8.77	-8.36/-6.02	-7.40/-9.65	-8.95/-7.30	-8.45/-9.70	-6.63/-11.25	-10.41/-9.24	-6.21/-11.87	-12.64/-5.58	-15.15/-14.22	-12.91/-11.68	-7.06/-14.54	-11.56/-10.60	-10.87/-10.27	-8.61/-9.73	-11.64/-13.58	-13.48/-9.04	-5.71/-7.27	-10.96/-7.93	-11.40/-10.33
θ(142.5°)	-12.56/-13.39	-12.27/-11.03	-13.99/-15.21	-8.96/-6.67	-7.77/-11.02	-8.88/-9.32	-9.63/-9.69	-14.03/-9.09	-4.50/-10.83	-7.93/-8.52	-9.32/-12.83	-10.45/-8.70	-7.44/-10.12	-9.27/-15.63	-9.73/-11.39	-15.30/-14.86	-10.20/-11.75	-11.14/-10.52	-13.96/-12.20	-7.76/-11.99	-11.90/-6.01	-7.39/-11.53	-8.66/-8.78	-11.11/-13.49
θ(150°)	-11.27/-8.73	-9.67/-13.52	-9.16/-7.51	-10.37/-12.94	-13.92/-15.89	-14.81/-12.12	-10.42/-9.97	-8.73/-9.05	-12.78/-7.15	-7.01/-14.86	-10.48/-8.70	-9.12/-10.47	-15.62/-8.19	-12.94/-13.53	-12.33/-12.58	-14.69/-15.90	-15.28/-8.47	-7.44/-12.26	-9.51/-8.52	-15.22/-11.70	-9.84/-12.22	-11.76/-9.26	-10.90/-9.92	-11.26/-11.22
θ(157.5°)	-10.51/-9.44	-8.18/-7.62	-9.57/-12.14	-12.39/-15.02	-14.98/-14.98	-13.47/-12.30	-9.47/-8.36	-8.92/-11.42	-11.26/-9.84	-11.16/-9.04	-8.28/-10.58	-15.14/-13.83	-14.69/-14.55	-11.70/-8.90	-9.40/-12.36	-13.21/-15.11	-15.69/-15.48	-15.06/-13.47	-10.79/-14.77	-15.41/-11.66	-9.80/-14.90	-12.56/-7.61	-10.30/-13.28	-11.96/-9.89
θ(165°)	-12.87/-10.42	-11.46/-12.23	-12.31/-11.06	-12.30/-12.69	-15.22/-11.48	-12.78/-10.39	-11.80/-10.91	-12.06/-13.61	-11.95/-10.16	-9.06/-7.53	-8.85/-11.81	-15.13/-16.01	-15.38/-14.11	-13.80/-14.35	-13.49/-13.55	-15.77/-15.29	-15.36/-14.21	-14.46/-13.63	-15.02/-13.46	-11.55/-10.30	-10.94/-12.57	-10.52/-9.49	-13.47/-15.63	-15.34/-15.14
θ(172.5°)	-10.48/-11.31	-11.11/-11.16	-12.38/-11.76	-13.23/-12.21	-14.21/-11.73	-11.88/-11.66	-11.98/-12.51	-10.94/-10.23	-9.36/-9.27	-9.22/-9.97	-11.78/-13.07	-14.57/-13.61	-12.96/-13.09	-12.27/-11.73	-11.72/-9.83	-9.38/-10.34	-10.60/-10.87	-11.47/-11.58	-12.72/-11.92	-12.75/-11.98	-11.85/-12.46	-11.60/-11.59	-12.06/-11.27	-9.67/-10.68
θ(180°)	-15.76/-14.20	-12.67/-14.79	-13.88/-12.27	-13.09/-13.02	-13.59/-13.53	-13.86/-15.47	-14.57/-14.10	-13.83/-13.68	-13.94/-13.08	-12.66/-14.14	-15.11/-16.21	-15.47/-14.98	-15.18/-14.31	-14.02/-13.54	-14.53/-14.68	-13.68/-11.99	-11.70/-10.39	-11.06/-11.43	-12.69/-14.31	-13.30/-13.81	-13.94/-12.70	-11.91/-13.56	-13.79/-14.01	-13.33/-15.75
Freq(Hz)	2.45GPol.	TotalAnt.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)Φ(7.5°)	Φ(15°)Φ(22.5°)	Φ(30°)Φ(37.5°)	Φ(45°)Φ(52.5°)	Φ(60°)Φ(67.5°)	Φ(75°)Φ(82.5°)	Φ(90°)Φ(97.5°)	Φ(105°)Φ(112.5°)	Φ(120°)Φ(127.5°)	Φ(135°)Φ(142.5°)	Φ(150°)Φ(157.5°)	Φ(165°)Φ(172.5°)	Φ(180°)Φ(187.5°)	Φ(195°)Φ(202.5°)	Φ(210°)Φ(217.5°)	Φ(225°)Φ(232.5°)	Φ(240°)Φ(247.5°)	Φ(255°)Φ(262.5°)	Φ(270°)Φ(277.5°)	Φ(285°)Φ(292.5°)	Φ(300°)Φ(307.5°)	Φ(315°)Φ(322.5°)	Φ(330°)Φ(337.5°)	Φ(345°)Φ(352.5°)
θ(0°)	-2.28/-2.10	-1.79/-1.44	-1.23/-1.14	-1.16/-1.33	-1.55/-1.57	-1.41/-1.22	-1.10/-1.00	-1.03/-1.22	-1.48/-1.69	-1.80/-1.85	-1.90/-2.00	-2.04/-2.02	-1.98/-1.97	-1.96/-1.99	-2.05/-2.08	-2.12/-1.23	-2.08/-1.97	-1.83/-1.80	-1.80/-1.82	-1.68/-1.45	-1.37/-1.44	-1.60/-1.84	-2.16/-2.42	-2.52/-2.40
θ(7.5°)	-2.73/-2.49	-2.12/-1.66	-1.36/-1.16	-1.03/-1.04	-1.15/-1.17	-0.97/-0.77	-0.56/-0.36	-0.27/-0.39	-0.58/-0.73	-0.81/-0.85	-1.02/-1.32	-1.57/-1.64	-1.49/-1.44	-1.32/-1.28	-1.30/-1.38	-1.51/-1.63	-1.73/-1.79	-1.88/-2.03	-2.34/-2.68	-2.85/-2.87	-2.83/-2.70	-2.58/-2.58	-2.71/-2.87	-2.94/-2.84
θ(15°)	-2.84/-2.70	-2.33/-1.85	-1.47/-1.19	-0.89/-0.74	-0.76/-0.79	-0.71/-0.57	-0.37/-0.14	0.05/0.11	0.16/0.23	0.30/0.23	0.00/-0.38	-0.75/-0.92	-0.88/-0.66	-0.40/-0.26	-0.12/0.04	0.18/0.27	0.31/0.29	-0.16/-0.16	-0.68/-1.36	-2.11/-2.75	-3.09/-3.09	-2.80/-2.71	-2.68/-2.71	-2.73/-2.77
θ(22.5°)	-2.35/-2.46	-2.44/-2.16	-1.70/-1.21	-0.74/-0.40	-0.27/-0.24	-0.25/-0.19	-0.06/-0.16	0.41/0.70	1.01/1.27	1.27/1.01	0.57/0.12	-0.14/-0.18	-0.10/-0.10	0.31/0.52	0.82/1.24	1.71/2.13	2.47/2.61	2.53/2.21	1.64/0.78	-0.30/-1.46	-2.44/-2.98	-2.90/-2.53	-2.28/-2.14	-2.14/-2.23
θ(30°)	-2.16/-2.54	-2.63/-2.52	-2.12/-1.52	-0.86/-0.29	0.13/0.34	0.33/0.19	0.20/0.46	0.92/1.46	1.99/2.28	2.21/1.79	1.22/0.79	0.65/0.49	0.34/0.23	0.28/0.50	0.96/1.65	2.43/3.14	3.71/3.97	3.94/3.63	3.04/2.12	0.90/-0.45	-1.80/-2.70	-2.79/-2.35	-1.85/-1.56	-1.55/-1.79
θ(37.5°)	-2.76/-3.20	-2.25/-3.14	-2.75/-2.21	-1.38/-0.50	0.17/0.53	0.45/0.13	0.14/0.61	0.32/1.06	2.61/2.91	2.80/2.23	1.44/0.63	0.60/0.37	0.07/0.15	0.27/0.50	0.71/1.56	2.52/3.36	3.96/4.18	4.08/3.70	3.08/2.15	0.95/-0.36	-1.07/-2.01	-1.95/-1.61	-1.27/-1.13	-1.42/-2.07
θ(45°)	-4.72/-4.86	-4.34/-4.04	-3.88/-3.34	-2.32/-0.99	-0.14/0.06	-0.32/-0.77	-0.39/0.57	1.47/2.17	2.74/3.07	3.02/2.41	1.36/0.31	-0.28/0.60	-0.88/-0.88	-0.39/0.23	0.76/1.49	2.46/3.28	3.86/4.06	3.87/3.41	2.79/1.86	0.60/-0.88	-1.93/-1.92	-1.29/-0.81	-0.68/-0.97	-1.87/-3.41
θ(52.5°)	-7.60/-7.79	-6.17/-5.57	-5.49/-5.19	-3.51/-1.58	-0.59/-0.62	-1.46/-1.89	-0.86/0.55	1.47/1.99	2.45/2.87	2.95/2.36	1.04/-0.58	-1.68/-1.24	-1.99/-1.24	-0.11/0.71	1.15/1.64	2.39/3.15	3.73/3.84	3.48/2.90	2.30/1.50	0.18/-1.75	-3.35/-3.16	-1.80/-0.76	-0.40/-0.73	-1.99/-4.62
θ(60°)	-9.61/-11.66	-8.23/-7.29	-7.56/-7.17	-4.77/-2.23	-0.98/-0.87	-1.81/-2.30	-1.00/0.54	1.39/1.66	1.86/2.23	2.45/1.97	0.48/-1.58	-3.01/-3.18	-2.57/-1.40	-0.03/-0.66	1.32/1.63	2.14/2.87	3.44/3.40	2.81/2.18	2.03/1.79	0.64/-1.50	-3.80/-4.18	-2.85/-1.42	-0.64/-0.66	-1.66/-6.46
θ(67.5°)	-10.01/-14.92	-10.70/-9.35	-9.31/-8.45	-5.91/-2.92	-1.41/-1.05	-1.85/-2.56	-1.30/0.35	1.13/1.10	0.91/1.17	1.60/1.33	-0.15/-2.33	-3.75/-3.63	-2.83/-1.48	0.03/1.09	1.51/1.56	1.89/2.58	3.05/2.84	2.05/1.73	2.25/2.20	0.90/-1.36	-3.78/-4.40	-3.79/-2.41	-1.33/-1.17	-2.08/-4.88
θ(75°)	-9.86/-14.41	-12.67/-11.39	-11.01/-9.22	-6.72/-3.44	-1.58/-0.94	-1.82/-3.32	-2.26/-0.29	0.58/0.36	-0.21/-0.05	0.58/0.68	-0.56/-2.89	-4.62/-4.40	-3.40/-1.90	-0.20/0.90	1.11/0.86	1.05/1.94	2.57/2.29	1.12/0.74	1.38/1.20	-0.27/-2.69	-5.16/-5.76	-4.69/-3.42	-1.96/-1.41	-2.23/-5.11
θ(82.5°)	-10.90/-14.68	-12.49/-12.96	-10.39/-7.93	-6.11/-3.88	-1.77/-0.82	-1.72/-3.77	-2.93/-0.73	0.12/-0.34	-1.12/-0.82	-0.11/0.15	-1.69/-4.35	-5.81/-4.96	-3.56/-2.07	-0.67/0.23	0.43/0.16	0.50/1.36	1.75/1.05	-0.52/-0.77	-0.24/0.06	-1.75/-4.39	-6.91/-6.61	-4.94/-3.53	-1.71/-1.14	-2.25/-5.11
θ(90°)	-10.79/-15.10	-15.54/-15.11	-9.84/-6.48	-5.08/-4.42	-2.49/-1.18	-1.90/-4.27	-3.55/-1.25	-0.53/-1.37	-2.28/-1.73	-0.96/-0.92	-2.16/-4.64	-6.31/-5.83	-4.46/-3.22	-1.89/-0.54	-0.08/0.70	-0.81/-0.07	0.50/-0.06	-1.84/-1.92	-0.53/-0.84	-3.19/-5.76	-7.53/-6.79	-5.69/-4.82	-2.71/-2.10	-3.57/-6.37
θ(97.5°)	-9.11/-12.53	-14.73/-16.02	-10.16/-6.19	-4.63/-4.60	-3.43/-2.15	-2.88/-4.88	-3.17/-0.86	-0.65/-4.29	-4.20/-3.09	-1.81/-1.23	-2.23/-4.93	-7.54/-7.81	-5.95/-4.77	-2.93/-1.02	-0.74/-1.98	-2.31/-1.46	-0.69/-1.63	-3.74/-2.26	-0.44/-1.26	-3.79/-4.94	-5.90/-5.97	-6.04/-6.46	-3.59/-2.61	-4.29/-6.75
θ(105°)	-9.61/-11.86	-12.53/-14.72	-11.00/-7.07	-4.89/-4.42	-3.95/-3.30	-4.70/-7.20	-3.65/-0.63	-0.26/-2.21	-4.72/-4.11	-2.35/-1.35	-2.38/-6.02	-10.45/-11.00	-7.05/-5.39	-3.35/-1.60	-4.91/-4.41	-5.45/-3.27	-1.66/-2.43	-4.06/-1.84	-0.40/-1.96	-4.74/-5.22	-5.86/-5.81	-6.17/-8.47	-6.29/-4.35	-6.02/-6.83
θ(112.5°)	-11.17/-13.70	-13.06/-11.89	-9.87/-8.79	-7.22/-5.77	-4.64/-4.29	-6.55/-9.92	-4.61/-1.27	-1.00/-3.42	-7.15/-6.40	-3.55/-2.39	-4.11/-8.40	-11.22/-8.60	-6.16/-5.31	-3.87/-3.22	-4.61/-6.30	-4.56/-2.18	-1.66/-3.67	-5.43/-3.00	-2.28/-4.23	-6.13/-6.28	-7.15/-6.43	-5.79/-7.72	-8.65/-7.39	-9.54/-12.30
θ(120°)	-11.98/-13.43	-14.30/-10.92	-8.37/-8.09	-7.85/-6.42	-5.39/-6.08	-5.69/-7.05	-1.70/-3.57	-6.68/-7.28	-4.97/-4.07	-0.66/-0.69	-10.52/-8.39	-7.08/-1.77	-6.08/-5.29	-5.96/-6.46	-4.99/-3.50	-3.82/-5.95	-5.76/-6.13	-2.45/-3.32	-5.55/-6.62	-8.89/-9.12	-7.55/-8.26	-10.15/-10.67	-12.28/-13.34	-12.28/-13.34
θ(127.5°)	-12.39/-12.95	-15.33/-12.24</																						



Antenna Pattern of Scan Radio SC Ant1~2

Appendix B.4

θ(120°)	-14.12/-6.68	-8.63/-9.87	-15.15/-10.82	-8.62/-10.03	-8.35/-15.67	-9.49/-8.47	-7.71/-6.60	-11.76/-8.50	-9.57/-10.71	-10.50/-11.17	-9.60/-13.44	-10.71/-9.38	-15.56/-13.03	-14.96/-15.58	-15.84/-13.63	-8.16/-9.94	-14.88/-9.02	-8.66/-9.58	-14.13/-11.13	-15.32/-6.46	-5.80/-8.85	-13.34/-13.92	-10.83/-6.22	-9.54/-12.68	
θ(127.5°)	-7.93/-5.68	-6.50/-9.74	-11.55/-8.81	-8.45/-11.76	-14.22/-11.89	-7.14/-9.92	-11.68/-10.70	-13.19/-7.07	-8.29/-12.07	-15.73/-13.43	-10.30/-10.99	-15.57/-14.92	-15.89/-15.65	-15.40/-14.43	-13.35/-9.15	-7.61/-10.24	-14.38/-10.56	-7.56/-11.32	-12.22/-16.22	-14.92/-12.60	-9.44/-13.52	-12.44/-14.47	-8.36/-9.60	-13.84/-14.33	
θ(135°)	-8.37/-6.26	-5.36/-7.97	-12.50/-11.15	-8.66/-11.29	-9.80/-11.89	-9.93/-10.78	-13.59/-9.11	-12.53/-14.18	-12.66/-14.71	-14.05/-15.10	-10.16/-11.24	-10.33/-14.03	-15.89/-15.45	-12.28/-13.07	-13.25/-15.39	-14.78/-8.81	-14.99/-12.41	-7.47/-8.31	-10.62/-15.67	-12.36/-14.00	-10.35/-14.24	-14.80/-8.45	-9.20/-8.46	-14.52/-12.31	
θ(142.5°)	-8.42/-6.93	-11.39/-9.95	-9.33/-14.44	-14.72/-8.72	-7.94/-11.66	-13.78/-11.83	-13.80/-11.51	-10.80/-14.03	-14.95/-15.68	-14.79/-13.22	-13.78/-14.14	-15.50/-13.85	-12.05/-11.45	-15.35/-13.50	-14.34/-14.58	-15.75/-12.94	-15.26/-14.81	-12.86/-11.70	-8.90/-8.08	-11.40/-15.44	-11.23/-12.62	-9.75/-9.62	-15.01/-10.64	-10.76/-12.91	
θ(150°)	-10.59/-7.67	-7.17/-10.46	-15.75/-12.15	-10.85/-12.99	-11.81/-10.79	-11.51/-13.77	-15.21/-15.59	-15.25/-15.02	-14.92/-14.93	-14.67/-14.23	-15.35/-14.76	-15.25/-13.78	-11.77/-13.68	-15.83/-14.97	-15.18/-14.36	-12.94/-12.71	-14.21/-14.34	-15.09/-13.92	-14.35/-15.51	-15.46/-13.77	-12.79/-15.24	-9.85/-7.62	-11.31/-13.35	-8.97/-11.73	
θ(157.5°)	-13.76/-11.03	-11.21/-13.45	-14.04/-10.07	-8.77/-10.15	-11.46/-11.66	-13.79/-15.47	-14.81/-15.35	-15.93/-14.69	-15.42/-15.08	-14.38/-12.79	-11.24/-12.42	-15.34/-15.35	-15.24/-14.98	-16.24/-15.51	-15.10/-15.77	-13.65/-12.07	-13.33/-13.61	-12.99/-13.92	-13.87/-13.17	-10.34/-13.11	-10.99/-8.72	-8.58/-10.79	-11.70/-11.53		
θ(165°)	-13.13/-13.96	-13.84/-15.50	-14.56/-12.53	-12.93/-14.11	-15.43/-15.62	-16.10/-15.74	-13.17/-13.06	-13.62/-14.55	-15.08/-15.24	-15.44/-15.26	-16.13/-15.70	-14.25/-13.68	-15.07/-15.78	-15.26/-15.26	-15.72/-15.42	-15.78/-14.85	-15.30/-15.55	-14.68/-14.03	-12.33/-12.39	-12.54/-12.93	-13.60/-13.02	-12.83/-11.00	-10.98/-12.67	-14.99/-13.18	
θ(172.5°)	-13.80/-12.79	-13.46/-13.65	-12.91/-11.90	-12.10/-12.52	-13.41/-13.44	-13.73/-14.80	-14.22/-15.12	-15.40/-15.27	-15.16/-13.68	-12.79/-12.46	-11.51/-11.07	-10.87/-11.24	-11.28/-11.29	-11.41/-11.87	-13.24/-14.52	-14.60/-14.06	-13.56/-13.08	-13.09/-14.13	-14.56/-14.97	-14.72/-13.74	-11.98/-11.41	-11.83/-11.99	-12.18/-11.91	-12.20/-13.12	
θ(180°)	-16.00/-16.05	-14.85/-16.10	-14.74/-14.64	-14.59/-15.61	-15.17/-14.42	-14.91/-14.42	-15.30/-16.02	-15.09/-15.40	-15.44/-14.69	-15.50/-14.30	-13.37/-13.61	-14.93/-13.71	-14.24/-14.48	-13.94/-13.32	-13.94/-14.03	-13.49/-14.54	-16.07/-14.91	-14.98/-14.77	-14.16/-15.14	-15.52/-15.32	-14.54/-14.96	-14.98/-15.09	-15.88/-14.68		
Freq(Hz)	5.785GPdL	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°)	1.180/52	0.580/80	1.061/10	1.080/75	0.800/93	1.291/45	1.651/33	0.920/89	1.441/11	1.211/37	1.401/39	1.441/11	1.211/37	1.401/39	1.271/13	1.401/44	1.341/28	1.471/14	1.471/14	1.491/46	1.471/09	1.021/26	1.110/83	0.730/60	0.831/26
θ(7.5°)	2.94/53	2.25/203	1.81/167	1.27/067	0.25/-0.06	-0.09/0.12	0.46/0.61	0.72/1.02	1.21/1.49	1.60/1.84	2.20/2.18	2.23/2.13	1.98/1.80	1.67/1.53	1.42/1.50	1.65/1.81	1.78/1.62	1.60/1.56	1.41/1.30	1.38/1.42	1.26/1.53	2.00/2.00	2.20/2.49	2.60/2.99	
θ(15°)	3.32/3.19	2.85/2.29	2.10/2.22	1.88/0.74	0.25/-0.03	-0.17/-0.35	-0.05/-0.66	1.24/1.19	1.02/0.93	0.91/1.01	0.90/0.24	-0.25/-0.67	-1.09/-1.48	-1.39/-1.38	-1.10/-0.61	-0.13/-0.08	0.19/0.35	0.90/1.56	2.11/2.29	2.48/2.66	2.69/2.90	2.91/2.81	2.91/2.89	2.77/3.14	
θ(22.5°)	1.45/2.27	2.67/2.51	2.33/2.41	1.55/0.35	0.17/0.49	0.63/0.89	1.04/1.58	1.96/1.29	-0.53/-1.92	-1.02/0.26	0.22/-1.11	-2.03/-3.06	-4.67/-5.75	-5.65/-5.37	-1.80/-0.72	-0.01/0.59	1.08/1.69	2.07/2.14	2.29/2.56	2.69/2.55	2.89/3.21	3.17/2.71	1.51/0.90		
θ(30°)	3.4/33.30	3.55/3.77	3.62/3.97	4.04/3.70	2.94/2.35	2.81/1.38	0.04/0.38	0.49/-0.52	-1.99/-2.69	-1.54/-0.98	-2.25/-3.90	-3.42/-3.08	-4.25/-6.77	-9.77/-9.89	-7.71/-5.99	-4.07/-1.50	0.42/0.61	0.16/0.74	1.45/1.68	2.51/3.60	3.87/3.63	3.47/2.87	2.20/2.41	2.34/2.85	
θ(37.5°)	1.39/0.43	1.08/2.21	2.97/3.94	4.51/4.29	3.80/4.24	4.46/3.00	1.12/0.49	-0.27/-1.82	-2.31/-1.27	-1.71/-6.31	-4.99/-2.52	-1.69/-2.46	-5.30/-10.16	-15.88/-9.12	-5.20/-5.32	-5.18/-1.66	0.83/-0.02	-2.08/-1.58	-1.09/-1.16	0.26/1.95	2.27/1.58	1.19/1.44	1.24/1.06	1.43/1.52	
θ(45°)	0.68/-0.41	-0.65/-0.16	2.22/4.20	4.63/2.25	2.61/3.22	5.27/4.37	1.12/0.01	-0.59/-1.88	-2.07/-1.67	-2.58/-4.16	-2.57/0.17	-1.02/-0.74	-4.26/-10.15	-5.55/-2.65	-3.57/-6.08	-1.22/-2.83	-0.36/-1.18	-3.35/-2.26	-1.05/-1.54	-2.15/-0.47	0.57/-0.22	-0.56/1.37	3.40/3.84	3.05/-1.55	
θ(52.5°)	2.45/1.28	1.41/0.78	-0.10/1.73	2.94/2.11	1.34/2.42	5.344/9.7	0.52/0.48	0.50/-1.40	-6.04/-5.93	-4.49/-3.24	-0.28/1.07	1.77/-0.29	-5.41/-8.57	-3.80/-2.24	-4.05/-2.93	-0.48/0.15	0.07/-1.18	-4.29/-5.02	-3.23/-3.87	-4.97/-0.24	1.87/0.51	-0.22/2.38	3.93/4.16	4.30/3.47	
θ(60°)	2.86/1.44	2.30/2.74	1.32/0.53	2.08/0.90	-1.32/0.67	4.46/4.88	-0.09/-0.22	0.16/-0.22	-8.17/-8.55	-6.78/-2.77	-0.52/0.11	0.97/-0.72	-7.16/-9.67	-6.39/-5.12	-5.72/-1.97	0.13/-0.15	-1.00/-1.55	-3.23/-2.65	-2.20/-3.77	-5.37/-0.80	0.12/-0.23	0.44/2.97	2.81/2.32	3.63/3.69	
θ(67.5°)	3.64/2.81	3.40/4.00	3.13/1.39	1.26/0.90	-3.52/0.70	3.15/-1.71	-1.19/-1.68	-0.35/-1.93	-5.50/-4.75	-7.52/-2.53	-2.86/-1.39	-0.98/-2.92	-8.95/-7.24	-6.18/-1.75	-0.20/-1.03	-2.57/-2.09	-1.97/-1.41	-1.33/-2.59	-3.31/-0.99	-4.00/-0.06	2.06/2.30	1.30/1.60	3.25/3.82		
θ(75°)	2.08/1.50	2.93/3.98	3.01/0.55	0.48/0.56	-3.91/-0.22	0.40/1.61	-2.39/-2.39	-0.61/-1.96	-2.64/-4.02	-8.76/-4.13	-4.57/-5.42	-3.27/-4.07	-5.02/-8.12	-9.19/-5.90	-6.88/-2.24	-1.14/-2.60	-5.58/-2.28	-0.86/-0.01	0.73/-1.02	-2.98/-0.22	-0.36/-1.35	1.85/0.69	-0.48/1.03	2.31/2.58	
θ(82.5°)	-0.69/-0.67	1.54/0.34	1.53/-1.74	-1.39/-0.44	-4.34/-1.65	-2.48/-0.91	-8.87/-3.06	-1.08/-2.43	-15.99/-13.53	-14.68/-14.97	-15.09/-13.53	-4.58/-6.36	-6.12/-5.06	-8.21/-2.55	-1.29/-4.96	-8.34/-1.98	-1.12/0.52	0.04/-1.14	-3.96/-0.45	-0.33/-1.12	0.37/-2.41	-2.76/-0.82	0.48/1.32		
θ(90°)	-4.82/-3.92	-1.47/1.15	0.77/-2.86	-1.43/-0.33	-5.72/-3.03	-4.17/-4.12	-5.44/-4.41	-1.94/-2.70	-3.88/-5.26	-7.17/-5.77	-5.19/-4.56	-6.70/-7.06	-6.57/-8.30	-5.97/-6.13	-7.59/-5.17	-2.97/-3.93	-10.30/-4.62	-2.73/-1.28	-1.06/-2.00	-5.23/-2.82	-0.25/-0.53	-2.34/-5.83	-4.16/-2.70	-2.88/-0.80	
θ(97.5°)	-7.33/-4.06	-4.71/-1.76	-1.16/-4.89	-6.47/-6.05	-8.41/-4.17	-4.79/-8.36	-7.39/-4.79	-2.88/-3.31	-5.70/-6.99	-6.91/-6.05	-4.68/-4.50	-8.41/-7.85	-7.50/-10.86	-8.38/-7.08	-8.03/-5.59	-3.57/-4.69	-10.05/-6.77	-6.25/-4.17	-5.19/-6.43	-10.90/-5.03	-2.97/-2.96	-6.94/-6.92	-4.37/-4.34	-6.32/-2.16	
θ(105°)	-8.73/-3.91	-6.52/-8.05	-4.02/-5.12	-8.42/-7.99	-8.80/-5.31	-6.17/-10.44	-12.16/-6.12	-9.14/-8.61	-5.79/-5.29	-5.88/-8.32	-5.93/-6.17	-7.41/-6.04	-10.40/-9.29	-8.67/-9.59	-4.27/-5.38	-10.74/-8.33	-9.85/-9.28	-7.72/-8.82	-10.05/-7.17	-5.20/-7.81	-9.44/-6.39	-4.26/-3.42	-7.65/-6.24		
θ(112.5°)	-9.47/-5.01	-5.89/-9.77	-9.70/-8.51	-10.62/-5.09	-8.52/-8.31	-7.00/-11.77	-9.16/-6.12	-4.75/-5.22	-5.64/-7.61	-7.09/-7.75	-10.89/-13.47	-11.69/-11.22	-13.47/-12.31	-11.09/-11.05	-9.39/-9.66	-6.23/-6.09	-8.10/-10.14	-9.11/-9.17	-8.24/-11.23	-9.09/-7.25	-5.21/-8.90	-4.77/-6.45	-7.88/-5.86	-5.65/-9.96	
θ(120°)	-10.56/-7.38	-7.97/-8.96	-11.14/-12.01	-10.66/-7.15	-9.57/-14.63	-12.30/-6.36	-5.25/-7.84	-6.32/-7.33	-6.61/-7.22	-7.03/-6.59	-10.92/-14.45	-10.76/-16.13	-15.01/-11.03	-10.76/-11.94	-8.15/-13.91	-8.14/-6.35	-10.18/-8.93	-9.19/-10.70	-9.96/-11.14	-11.37/-12.08	-5.27/-5.55	-8.59/-8.27	-11.88/-7.32	-6.20/-8.88	
θ(127.5°)	-11.21/-7.93	-9.85/-7.69	-7.30/-8.63	-10.74/-13.97	-13.49/-9.91	-8.79/-10.33	-7.18/-7.50	-11.08/-10.77	-10.99/-9.26	-9.97/-12.86	-12.73/-11.64	-12.08/-15.55	-12.61/-13.66	-10.63/-10.87	-8.61/-10.15	-7.74/-8.40	-11.80/-11.52	-9.83/-11.52	-8.22/-15.85	-8.56/-12.08	-9.78/-11.79	-10.94/-9.80	-1.17/-8.84	-11.39/-10.71	
θ(135°)	-10.88/-9.51	-8.20/-6.83	-8.10/-10.35	-8.71/-14.96	-10.53/-9.49	-6.73/-8.13	-13.59/-10.07	-11.81/-10.80	-13.13/-14.27	-10.32/-10.93	-9.42/-15.50	-15.74/-15.67	-13.79/-13.66	-12.07/-9.59	-7.87/-14.48	-11.91/-7.82	-11.69/-10.23	-8.12/-7.48	-8.40/-12.12	-9.82/-10.10	-9.21/-9.70	-13.76/-9.18	-7.68/-9.24	-14.79/-12.10	
θ(142.5°)	-8.22/-9.02	-15.05/-7.94	-6.66/-9.57	-11.89/-11.21	-8.87/-9.67	-10.32/-9.84	-15.30/-16.08	-16.10/-15.27	-12.17/-12.59	-13.69/-13.47	-15.09/-13.53	-14.68/-14.97	-13.48/-10.99	-14.99/-11.29	-10.22/-12.37	-16.35/-15.42	-15.32/-14.32	-11.17/-10.48	-9.11/-6.55	-8.77/-13.27	-10.92/-12.11	-11.58/-10.12	-14.59/-12.62	-9.81/-13.25	
θ(150°)	-13.65/-12.40	-11.50/-12.78	-12.77/-13.07	-13.15/-14.84	-15.56/-15.04	-15.13/-15.87	-15.37/-15.72	-13.16/-12.35	-11.72/-11.37	-12.95/-13.91	-13.55/-15.14	-15.04/-15.43	-15.69/-12.97	-12.19/-13.37	-13.03/-13.26	-13.47/-12.82	-12.12/-10.36	-12.51/-12.78	-10.99/-14.95	-15.68/-11.16	-9.10/-12.06	-14.34/-9.92	-9.91/-9.70	-5.97/-8.14	
θ(157.5°)	-7.91/-9.27	-11.56/-14.82	-14.98/-14.96	-14.08/-15.05	-15.85/-15.05	-13.71/-12.70	-13.33/-14.32	-14.63/-13.67	-13.21/-13.50	-15.16/-14.87	-14.81/-13.14	-12.67/-13.88	-15.81/-14.92	-14.82/-15.74	-15.46/-15.25	-14.68/-15.28	-15.63/-13.36	-13.33/-15.13	-15.45/-15.47	-13.19/-10.21	-10.70/-13.65	-14.49/-14.41	-14.21/-15.09	-10.39/-8.47	
θ(165°)	-12.10/-13.59	-14.38/-15.96	-15.27/-14.47	-14.01/-15.03	-15.05/-14.98	-15.10/-15.54	-15.19/-15.73	-15.49/-1																	



Antenna Pattern of Scan Radio_SC Ant1~2

Appendix B.4

Θ(172.5°)	-13.43/-15.47	-15.25/-15.47	-15.74/-16.00	-14.50/-15.30	-15.29/-14.24	-13.59/-13.46	-14.29/-14.77	-14.97/-14.31	-14.60/-15.35	-15.19/-15.44	-15.94/-15.41	-15.01/-14.93	-14.90/-13.56	-13.25/-12.11	-10.47/-9.99	-10.16/-10.27	-11.18/-11.81	-12.38/-13.40	-14.14/-13.15	-13.16/-13.32	-12.97/-12.09	-11.14/-11.42	-11.20/-10.64	-10.89/-11.86
Θ(180°)	-11.45/-11.76	-11.67/-10.95	-10.72/-11.57	-11.23/-11.36	-11.67/-12.27	-13.95/-16.14	-14.82/-14.62	-16.10/-16.17	-14.75/-13.44	-14.73/-14.91	-14.14/-14.40	-13.90/-12.68	-12.41/-12.73	-12.87/-13.11	-13.06/-13.82	-14.35/-13.58	-13.18/-12.09	-11.93/-12.38	-13.21/-13.30	-11.87/-11.78	-12.09/-11.60	-10.18/-10.10	-10.32/-10.15	-10.44/-10.96
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°)	4.04/3.98	4.13/4.17	3.83/3.87	4.28/4.37	4.40/4.61	4.82/4.55	4.63/4.64	4.66/4.53	4.23/4.05	4.07/3.91	3.73/3.65	3.49/3.30	3.31/3.13	3.20/3.30	3.54/3.83	3.97/3.97	4.06/4.12	4.38/4.64	4.66/4.45	4.47/4.50	4.44/4.40	4.49/4.54	4.40/4.21	4.20/4.27
Θ(7.5°)	2.14/2.16	1.80/1.58	1.51/1.96	2.72/3.55	4.11/4.50	4.69/4.64	4.61/4.57	4.25/3.91	3.40/2.23	0.97/0.56	0.50/-0.63	-1.53/-1.90	-2.11/-1.92	-1.36/-0.92	-0.07/0.74	1.36/1.94	2.48/2.95	3.34/3.57	3.46/3.34	3.35/3.27	3.13/2.74	2.24/1.85	1.70/1.67	2.06/2.19
Θ(15°)	0.24/0.08	-0.10/-0.23	-0.80/-0.39	1.38/3.02	4.03/4.05	3.42/2.40	2.10/2.33	2.64/2.51	2.54/2.67	1.99/0.77	-0.03/-0.83	-2.26/-3.03	-3.39/-2.13	-0.64/-0.09	0.42/1.09	1.57/1.82	1.81/1.60	1.41/1.82	2.11/2.55	2.74/2.93	2.69/2.21	1.85/1.96	1.92/1.21	0.43/0.13
Θ(22.5°)	0.44/-0.60	-2.47/-2.27	0.14/0.55	-0.96/-1.39	0.42/1.66	2.21/2.42	2.59/2.87	2.81/2.27	2.24/1.85	-0.06/-4.29	-11.60/-10.94	-3.68/-1.17	-1.27/-1.41	-0.74/0.03	0.96/0.97	1.09/1.16	0.58/-0.52	-0.69/0.96	1.94/1.66	1.59/2.37	2.80/2.89	2.56/1.89	0.52/-0.33	-0.64/-0.40
Θ(30°)	-0.29/-1.59	-1.58/-2.14	-2.85/-2.90	-3.08/-2.85	-1.76/-0.87	0.57/2.13	2.94/3.73	3.45/2.56	1.38/-0.20	-3.94/-6.90	-3.79/-2.42	-1.61/-1.05	-0.28/-0.75	-2.31/-2.67	-3.30/-4.11	-4.18/-1.91	-0.51/-1.53	-2.11/0.69	1.44/-0.09	-1.02/0.37	-0.43/-2.25	-0.07/1.31	0.15/-0.72	-0.76/-0.39
Θ(37.5°)	-1.06/-0.68	0.28/0.06	-0.20/-2.76	-4.40/-0.63	1.60/2.08	1.84/0.64	-0.21/1.23	1.42/0.86	0.80/0.89	-1.87/-6.97	-7.25/-5.26	-4.31/-3.98	-3.86/-4.20	-3.36/-2.89	-4.01/-4.54	-4.62/-3.34	-1.96/-3.20	-2.38/-0.02	0.87/1.53	0.41/-0.39	-1.38/-0.77	2.58/2.75	0.86/1.08	0.83/-1.68
Θ(45°)	-3.07/-1.05	-0.29/-0.62	0.24/-0.32	0.24/3.47	5.09/4.93	3.01/2.55	0.84/-0.95	-2.32/-1.81	-1.14/-1.20	-1.87/-2.37	-2.13/-0.44	-0.23/-1.55	-4.82/-8.96	-9.29/-3.87	-2.54/-6.10	-7.06/-6.06	-2.41/-2.14	-1.08/0.79	2.54/3.24	1.64/0.53	-2.25/-3.52	0.22/-0.26	-2.40/-3.35	-4.41/-5.42
Θ(52.5°)	-1.21/-2.17	-0.59/-0.44	2.25/3.21	3.18/4.33	4.51/5.21	4.05/3.77	1.81/-0.66	-3.00/-5.72	-5.70/-0.84	1.29/0.76	-1.01/-3.15	-5.15/-4.95	-5.70/-12.20	-7.97/-8.23	-5.79/-9.49	-6.64/-6.02	-5.85/-3.48	-1.17/0.30	1.75/1.96	2.14/3.43	0.44/-2.77	0.17/1.80	3.57/2.70	0.71/-0.60
Θ(60°)	2.79/-1.73	-4.80/-4.19	1.45/4.15	4.07/3.12	3.66/4.29	4.22/4.50	1.84/0.86	-1.85/-7.52	-5.36/-0.52	0.78/0.91	-3.19/-10.44	-5.04/-3.18	-6.39/-13.09	-5.76/-6.64	-6.36/-7.06	-8.88/-4.21	-8.70/-4.75	-3.02/-4.04	-1.60/-1.50	2.03/1.50	-1.77/-5.13	-3.77/1.25	4.34/4.84	2.18/2.63
Θ(67.5°)	4.28/0.28	-0.11/2.05	1.95/3.76	4.44/0.96	2.94/0.84	4.11/2.32	-1.78/0.21	-1.97/-6.23	-6.89/-0.21	0.28/-0.13	-6.03/-6.18	0.71/0.52	-4.83/-11.41	-4.83/-3.45	-5.75/-10.68	-7.22/-4.79	-6.72/-2.62	-3.76/-2.87	-0.16/0.14	2.32/-0.94	-3.31/-4.70	-8.76/1.35	4.60/5.29	2.67/4.06
Θ(75°)	3.46/0.86	1.25/3.40	3.14/3.12	3.91/-2.12	2.07/0.69	2.05/1.55	-0.31/2.11	-2.87/-3.76	-5.09/-0.65	-0.73/-0.92	-7.79/-3.79	0.93/1.93	-1.91/-10.94	-6.72/-3.30	-6.51/-10.00	-8.36/-4.87	-5.08/-2.34	-2.55/0.66	2.95/1.95	2.95/0.48	0.82/-3.07	-3.42/1.88	5.28/4.74	2.16/3.51
Θ(82.5°)	1.01/-0.55	0.90/2.50	2.32/2.04	3.15/-4.91	-0.07/-0.13	0.83/1.32	-2.01/1.91	-3.36/-3.08	-4.10/-0.59	-1.28/-1.98	-8.41/-2.98	0.71/1.13	-2.80/-10.35	-10.14/-4.68	-7.74/-8.50	-9.61/-5.25	-4.13/-2.05	-2.29/2.06	4.58/2.09	1.86/2.13	2.73/-2.10	-0.83/1.39	4.88/2.76	0.61/2.19
Θ(90°)	-1.01/-3.59	-0.36/1.46	-0.00/-0.26	1.04/-5.96	-2.47/-1.12	0.94/-0.59	-4.61/0.13	-4.12/-3.93	-5.05/-1.76	-3.10/-3.65	-8.89/-4.16	-1.17/-0.33	-3.13/-10.67	-14.40/-7.82	-8.70/-7.10	-12.19/-6.91	-7.01/-3.17	-6.18/0.58	3.70/0.56	-1.49/0.82	2.10/-4.89	-2.90/-0.76	2.65/-0.05	-1.86/0.06
Θ(97.5°)	-3.66/-7.46	-1.82/0.26	-2.44/-2.71	-1.57/-6.19	-4.80/-2.49	-0.64/-3.32	-5.08/-1.76	-4.40/-3.83	-7.19/-3.40	-4.68/-6.42	-10.08/-4.53	-2.88/-2.41	-4.25/-10.64	-13.66/-11.56	-10.01/-9.02	-11.47/-9.29	-8.67/-8.51	-8.40/-1.85	0.07/-4.12	-7.29/-5.60	-1.40/-9.04	-6.74/-2.85	-0.44/-3.23	-4.68/-2.04
Θ(105°)	-6.00/-11.31	-5.17/-1.06	-3.94/-5.98	-5.81/-4.46	-6.10/-5.04	-3.13/-6.72	-5.33/-6.20	-7.04/-5.86	-9.19/-4.76	-4.70/-7.26	-11.38/-8.42	-3.75/-3.80	-7.25/-8.82	-15.67/-13.52	-11.93/-12.45	-12.68/-10.79	-9.84/-9.58	-13.28/-3.52	-2.23/-5.49	-9.23/-11.76	-5.23/-10.08	-9.09/-5.50	-1.86/-8.72	-5.72/-1.84
Θ(112.5°)	-8.50/-11.35	-9.27/-3.80	-4.23/-4.16	-9.45/-7.21	-4.42/-5.20	-8.97/-4.31	-5.31/-4.37	-4.75/-6.33	-8.80/-5.74	-8.56/-8.38	-11.89/-5.25	-5.46/-7.19	-7.60/-11.00	-12.67/-13.62	-13.59/-13.78	-10.28/-11.46	-14.88/-12.20	-6.58/-5.34	-2.68/-5.31	-8.43/-9.55	-5.45/-5.99	-7.56/-9.14	-1.47/-10.23	-7.00/-4.70
Θ(120°)	-12.08/-13.27	-7.89/-5.39	-4.94/-5.30	-7.35/-15.20	-12.57/-5.26	-4.78/-7.59	-8.86/-6.23	-10.18/-12.54	-9.74/-12.64	-15.56/-11.06	-9.04/-5.23	-6.46/-8.78	-9.16/-13.51	-13.58/-11.48	-10.97/-15.18	-12.80/-12.33	-15.17/-12.41	-14.47/-9.34	-9.46/-6.78	-10.32/-6.93	-13.25/-8.02	-7.90/-10.70	-3.08/-12.57	-8.33/-11.29
Θ(127.5°)	-10.23/-15.45	-9.13/-7.21	-10.81/-11.56	-12.00/-10.40	-10.20/-7.79	-6.08/-6.18	-8.93/-10.47	-12.52/-15.38	-11.88/-10.36	-8.93/-9.46	-8.69/-7.65	-11.31/-10.65	-9.38/-16.00	-13.95/-12.50	-14.35/-15.30	-12.48/-8.06	-14.86/-15.31	-12.72/-5.95	-10.51/-5.84	-6.52/-7.28	-11.93/-9.06	-9.41/-5.53	-9.21/-11.24	-10.41/-7.68
Θ(135°)	-15.69/-10.78	-9.46/-6.03	-7.36/-7.79	-11.64/-9.82	-6.08/-7.15	-7.59/-7.80	-10.58/-14.19	-12.48/-15.25	-10.62/-14.08	-12.88/-10.23	-12.04/-11.39	-13.07/-12.74	-14.44/-15.32	-15.33/-15.47	-13.83/-14.36	-12.43/-11.13	-15.14/-16.06	-15.38/-11.30	-9.58/-8.44	-8.13/-7.27	-5.67/-10.10	-5.21/-9.33	-11.61/-7.36	-9.89/-9.64
Θ(142.5°)	-13.71/-8.62	-15.45/-8.40	-8.40/-12.57	-11.73/-10.44	-9.29/-13.45	-15.30/-14.77	-12.14/-15.07	-12.11/-9.33	-8.52/-9.09	-12.37/-13.72	-12.20/-13.87	-13.94/-15.02	-15.82/-13.83	-12.75/-14.81	-15.96/-12.93	-12.64/-15.24	-14.78/-10.11	-15.33/-13.21	-15.55/-10.13	-11.35/-9.51	-9.05/-12.79	-7.43/-8.89	-6.00/-6.40	-8.40/-7.48
Θ(150°)	-11.63/-7.55	-10.89/-11.26	-10.42/-12.00	-12.14/-10.32	-9.61/-11.96	-15.48/-11.43	-10.58/-15.83	-13.40/-10.96	-14.67/-15.08	-14.66/-15.62	-15.13/-15.19	-14.09/-14.97	-15.83/-15.02	-10.51/-13.09	-14.99/-15.46	-15.58/-15.15	-14.93/-15.99	-15.42/-15.33	-14.96/-13.00	-12.88/-13.46	-15.10/-14.08	-14.97/-13.30	-8.50/-9.24	-7.22/-7.19
Θ(157.5°)	-11.07/-10.81	-12.93/-13.47	-12.53/-14.90	-13.65/-14.17	-15.68/-14.85	-13.90/-12.06	-12.42/-13.54	-12.88/-12.32	-13.14/-12.97	-11.48/-11.88	-13.21/-14.98	-15.76/-15.58	-15.35/-15.26	-12.74/-13.25	-15.30/-15.48	-15.22/-15.22	-15.52/-15.16	-15.33/-15.36	-14.80/-15.52	-14.31/-14.44	-15.87/-11.46	-11.95/-14.86	-11.62/-14.55	-14.60/-10.89
Θ(165°)	-15.74/-14.95	-14.18/-12.16	-11.64/-12.48	-13.96/-13.71	-14.20/-13.84	-14.25/-13.85	-12.52/-11.01	-10.54/-10.68	-13.55/-15.54	-15.42/-15.00	-14.35/-15.05	-15.24/-15.40	-15.53/-15.17	-15.71/-14.65	-15.81/-15.44	-15.05/-14.94	-15.06/-14.74	-13.74/-12.25	-13.96/-15.42	-14.99/-12.69	-11.46/-10.56	-11.25/-12.69	-11.65/-11.08	-11.97/-14.67
Θ(172.5°)	-10.34/-11.08	-12.49/-11.25	-11.39/-13.50	-15.38/-15.11	-15.43/-14.97	-14.41/-14.53	-15.45/-15.56	-15.64/-15.48	-14.22/-14.98	-14.76/-14.39	-15.12/-15.62	-15.63/-14.71	-15.68/-14.80	-15.47/-15.54	-15.55/-16.17	-15.02/-14.86	-14.77/-14.99	-15.24/-14.85	-15.85/-15.58	-15.94/-15.25	-15.62/-14.76	-14.63/-14.21	-13.55/-11.43	-10.63/-10.91
Θ(180°)	-13.74/-13.74	-13.28/-12.82	-13.71/-14.85	-14.22/-12.62	-13.31/-13.75	-13.82/-14.79	-13.59/-12.86	-15.23/-15.78	-15.25/-15.86	-15.17/-14.43	-15.59/-14.59	-12.86/-12.95	-13.42/-13.11	-13.50/-13.44	-13.88/-14.39	-14.04/-13.59	-14.35/-14.12	-14.17/-12.86	-12.39/-12.65	-12.83/-13.39	-13.32/-12.92	-12.58/-12.37	-11.58/-11.81	-12.01/-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 $\Theta(0-180)\Phi(270)$

