

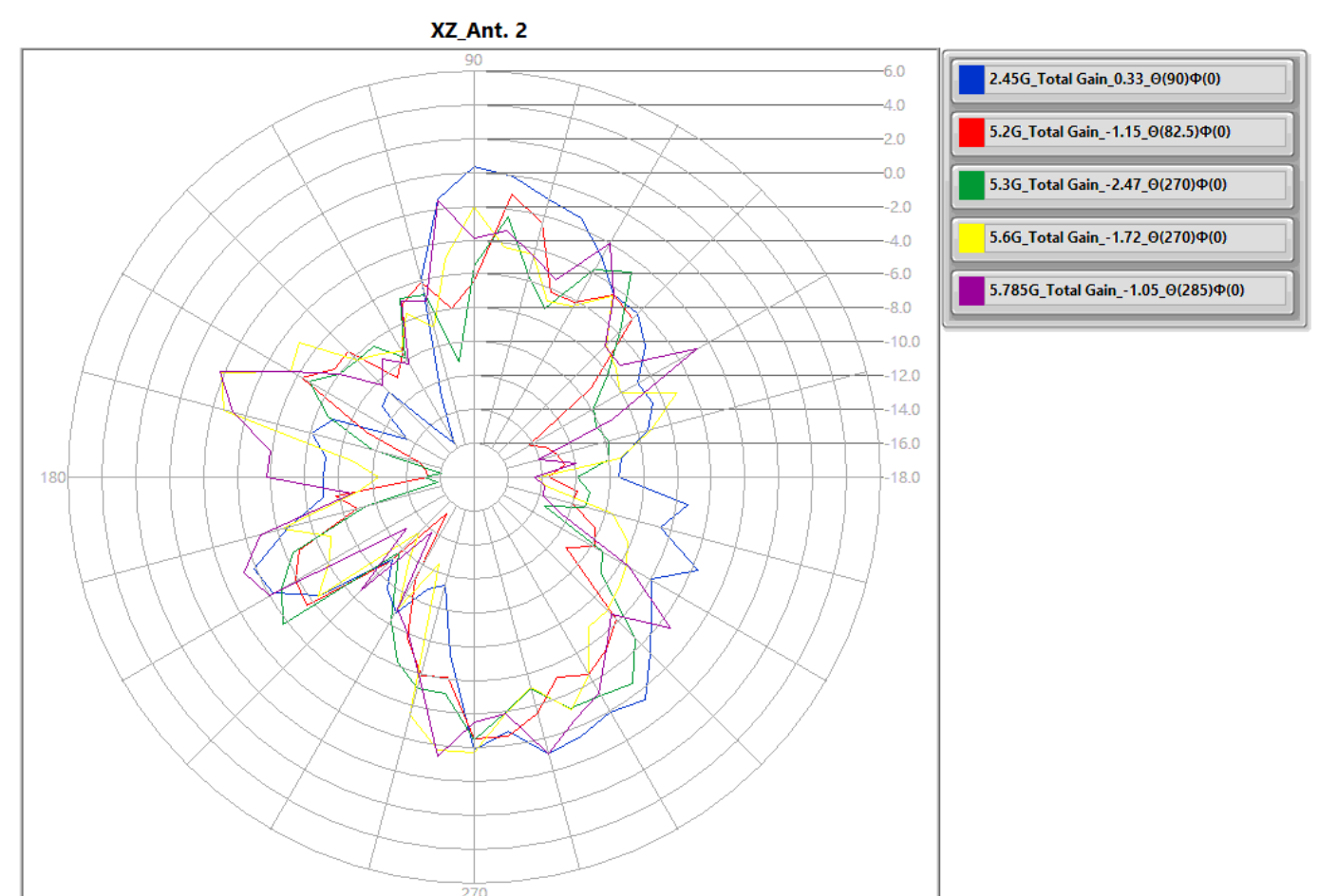
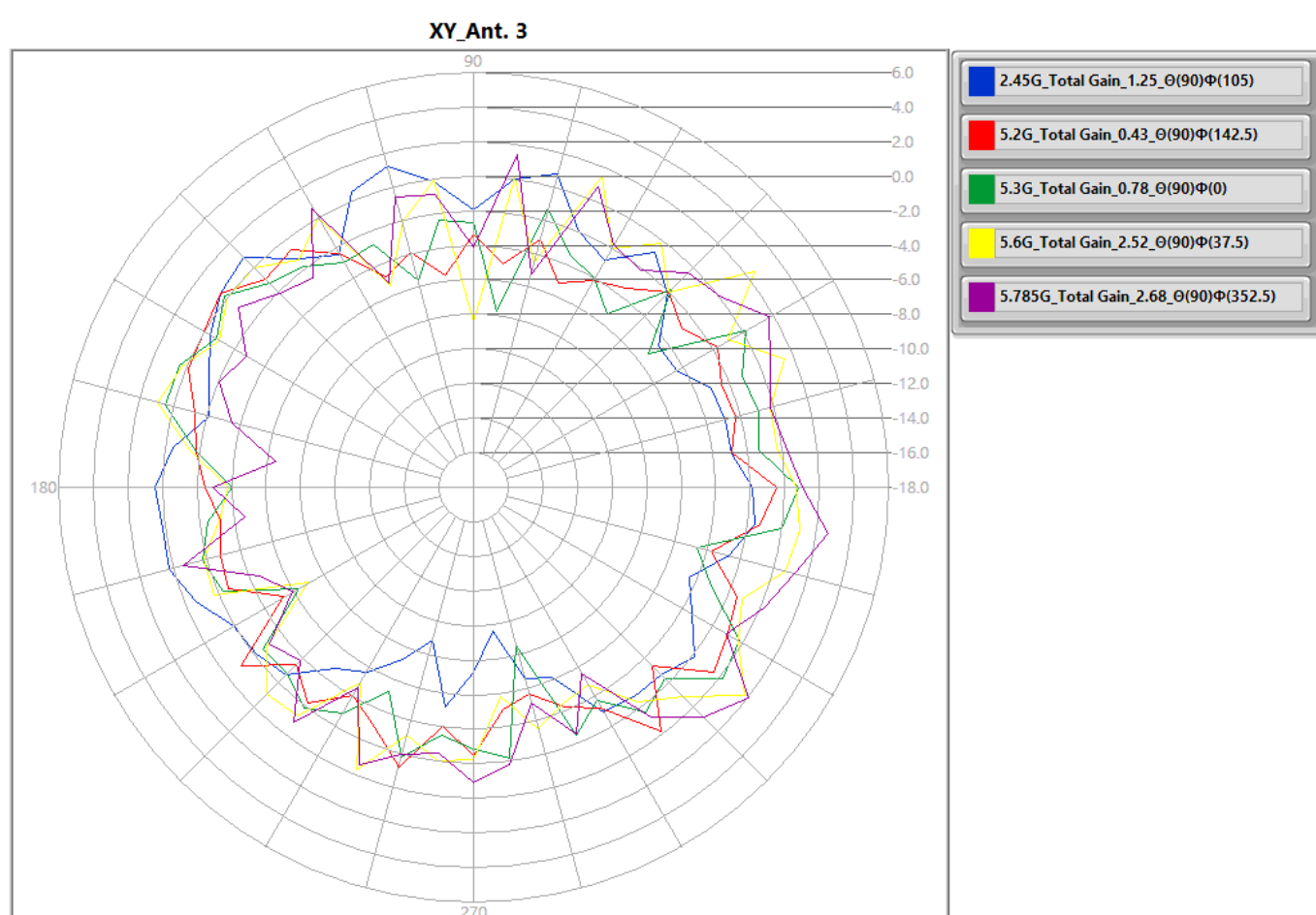
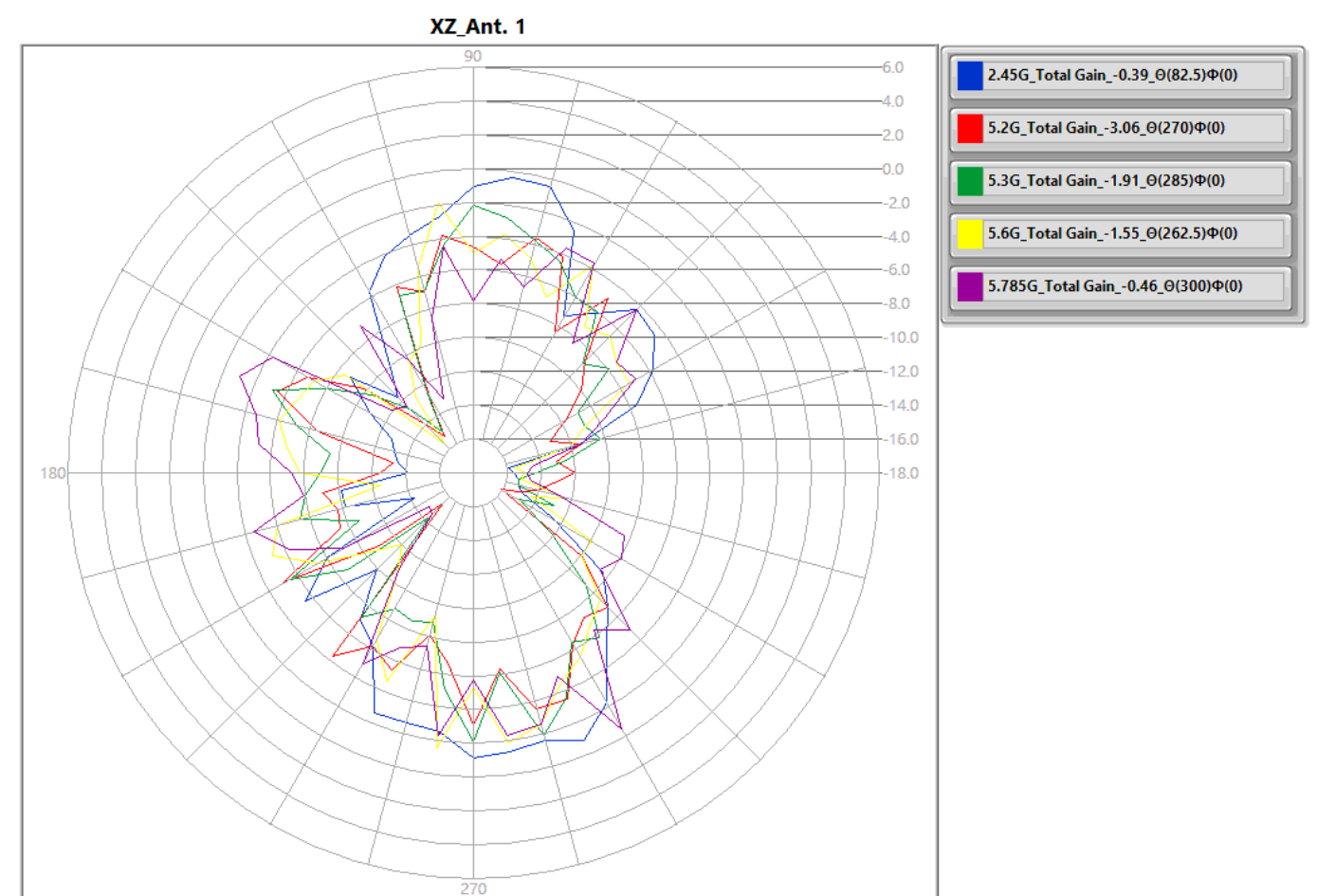
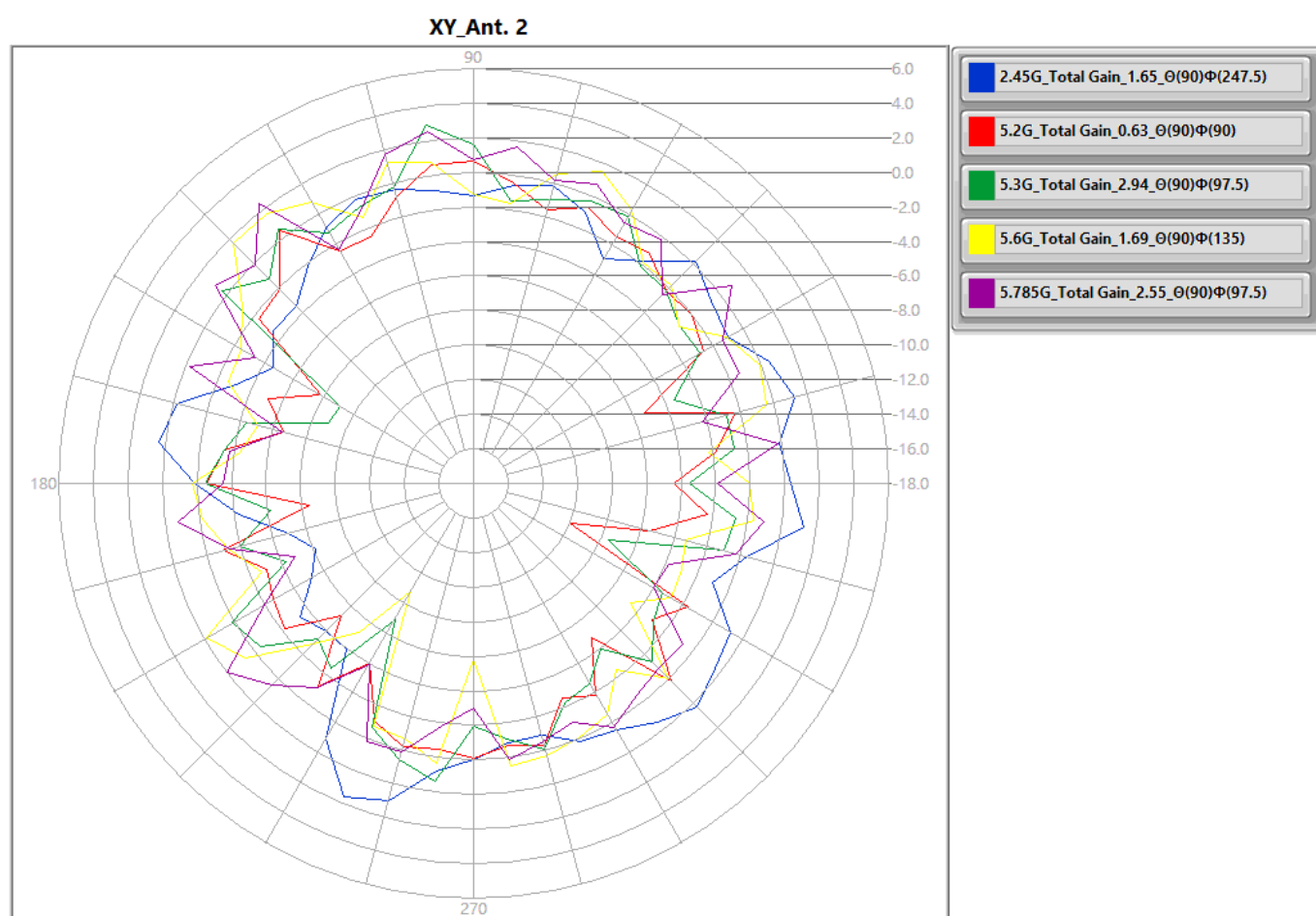
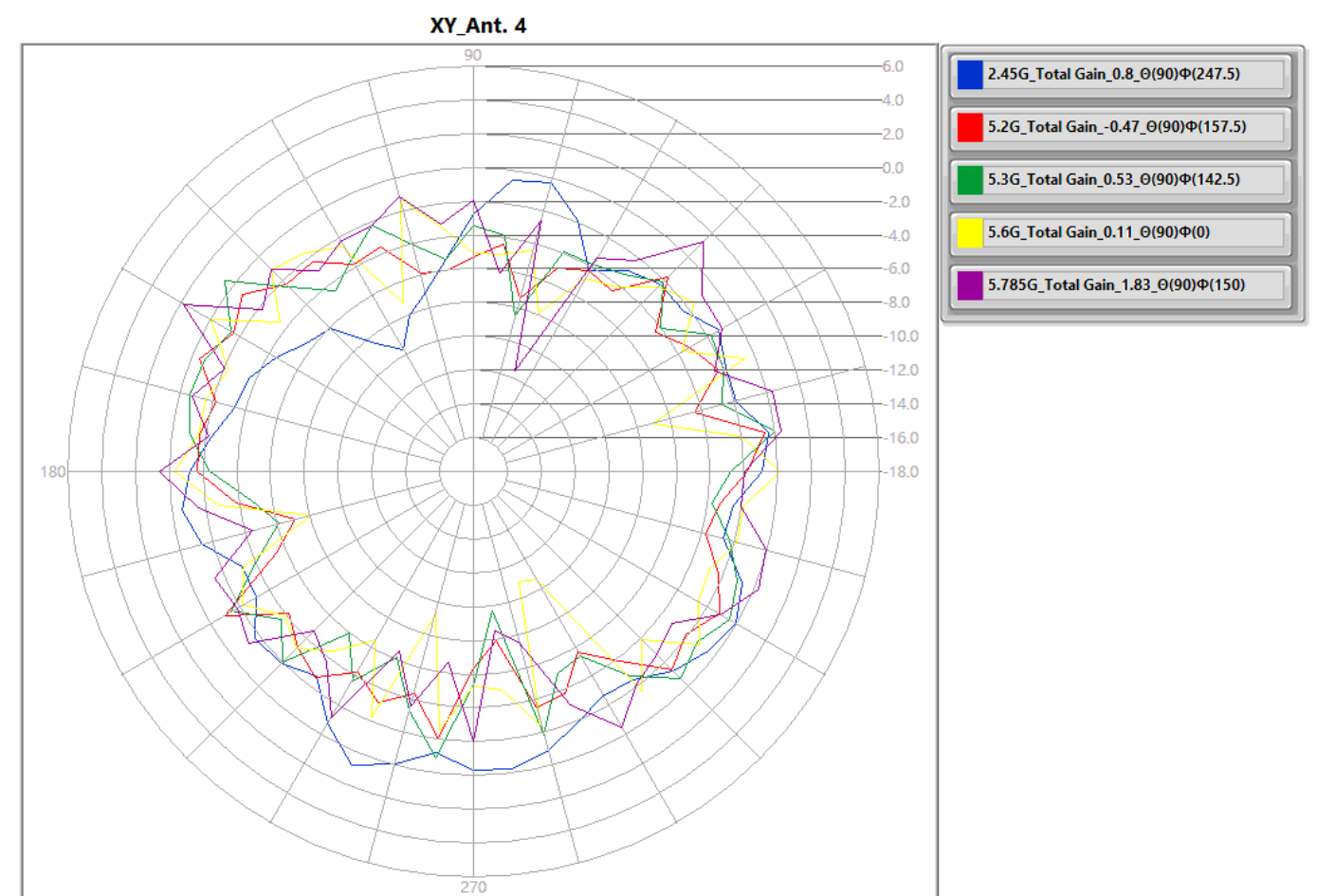
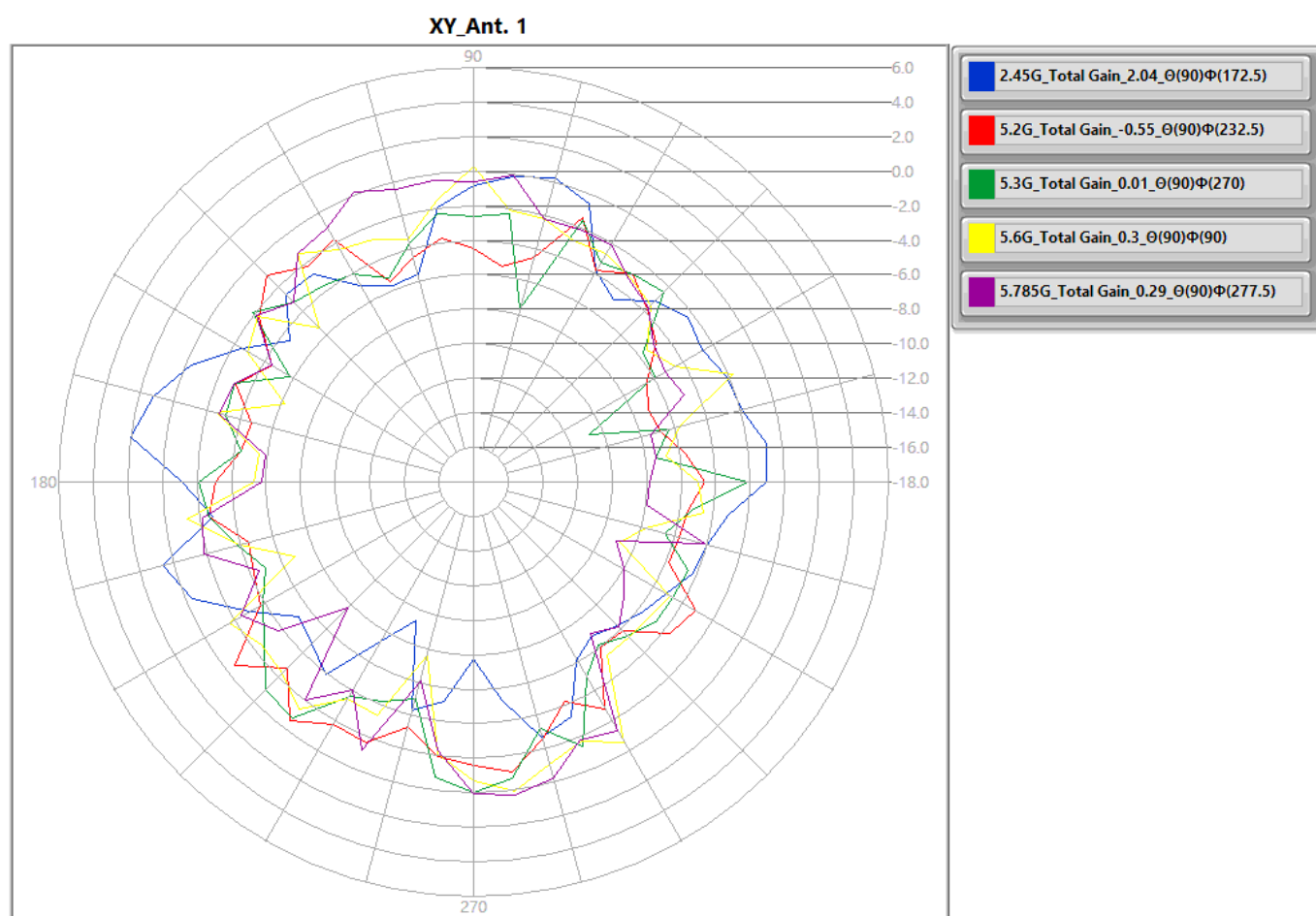


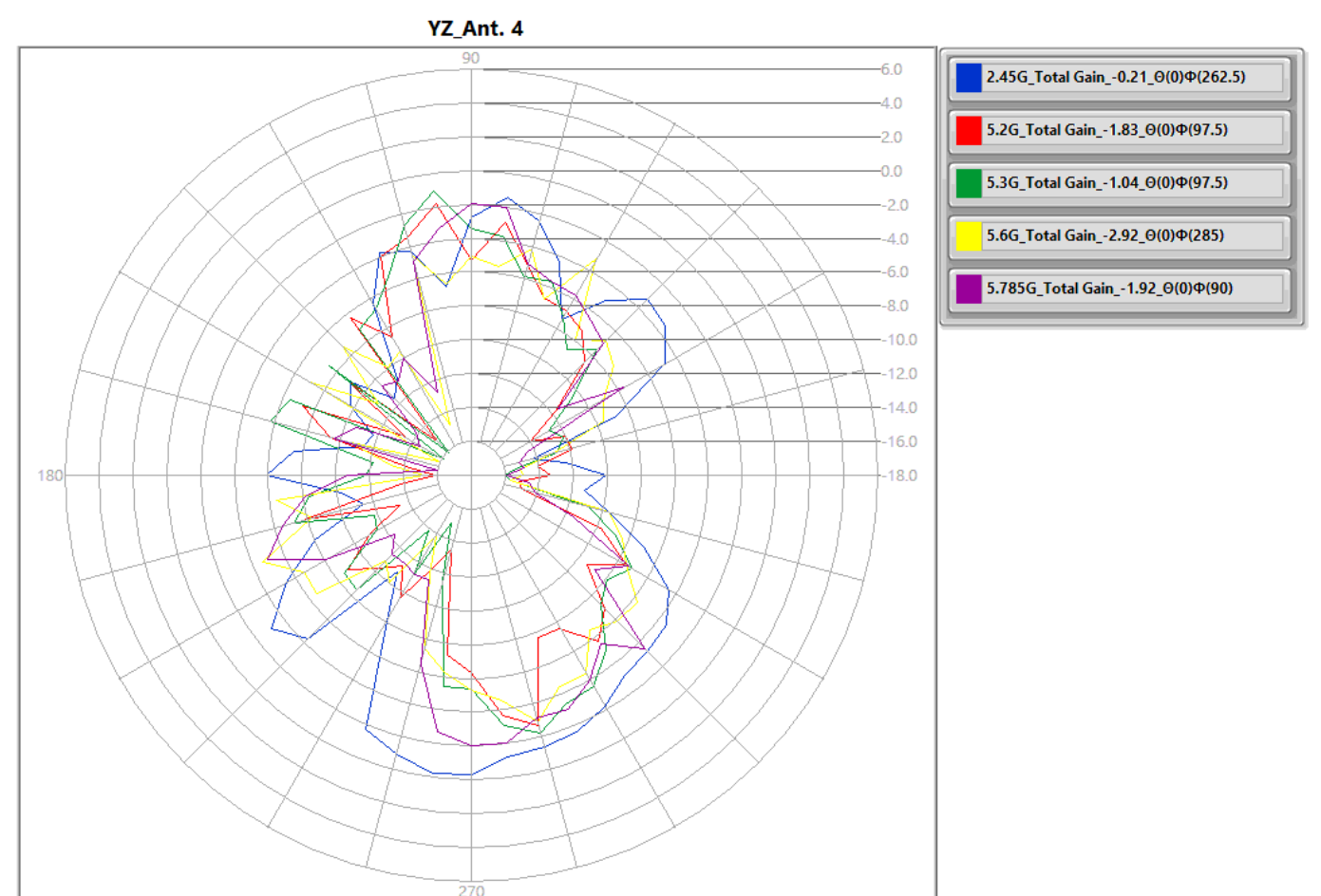
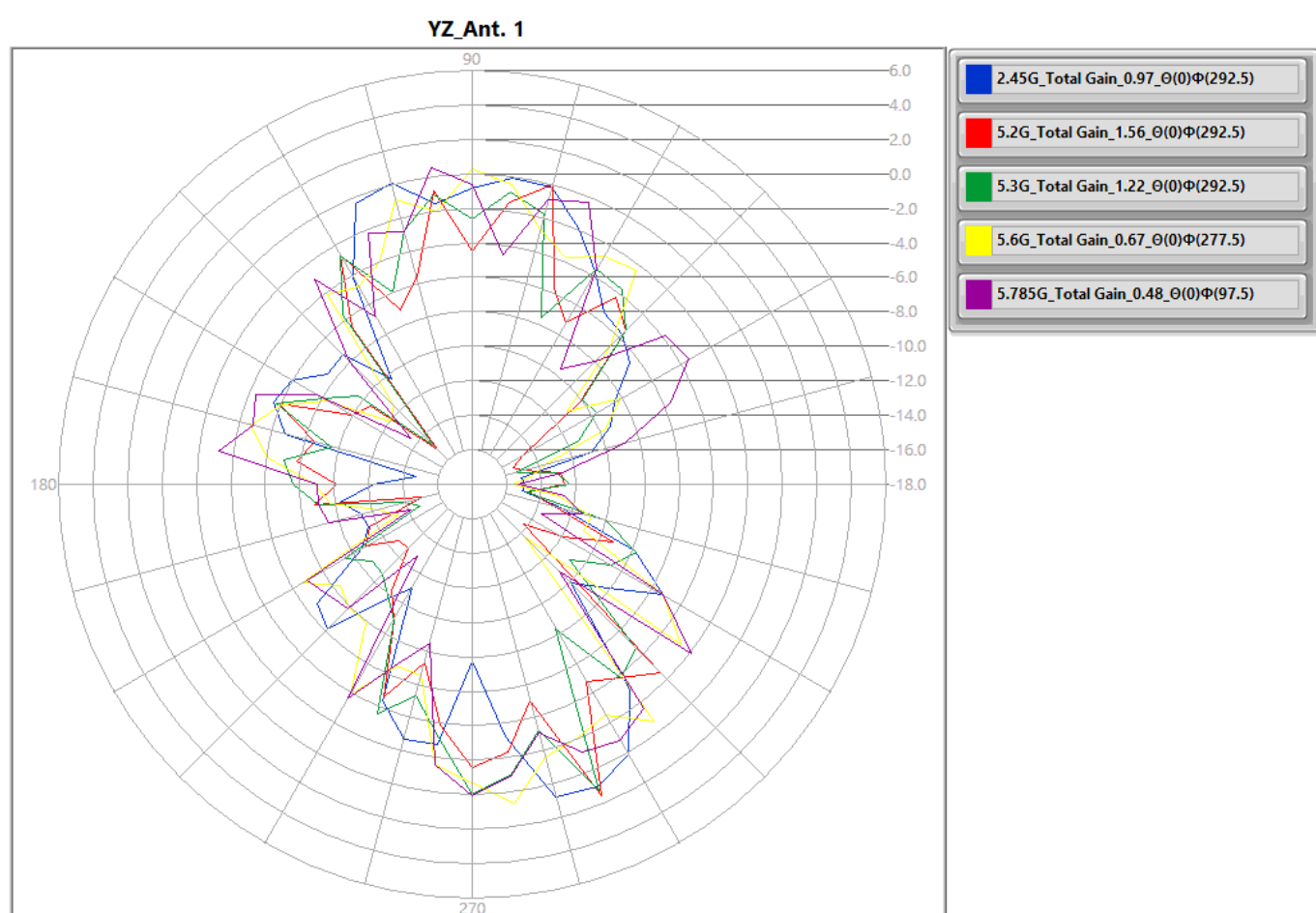
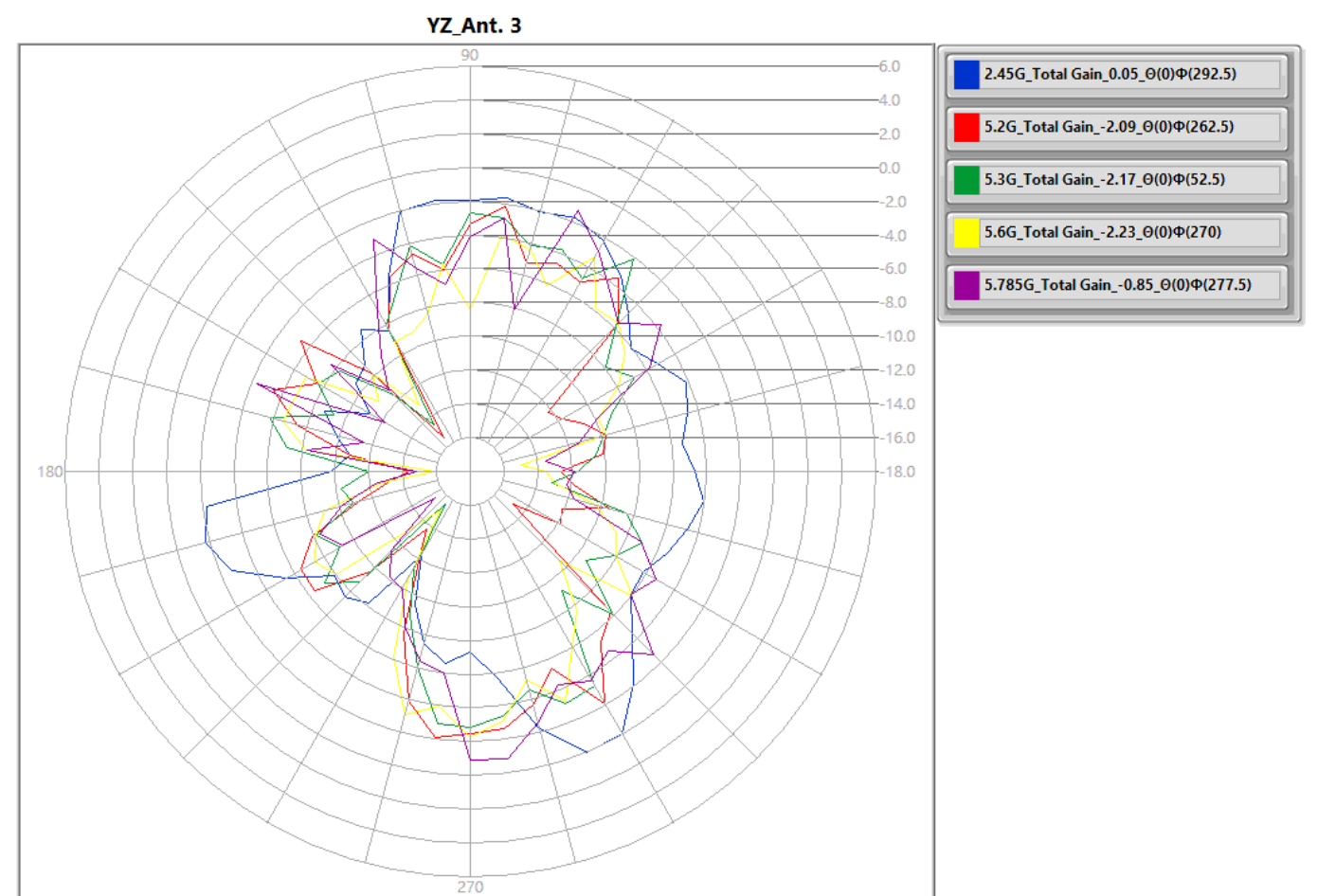
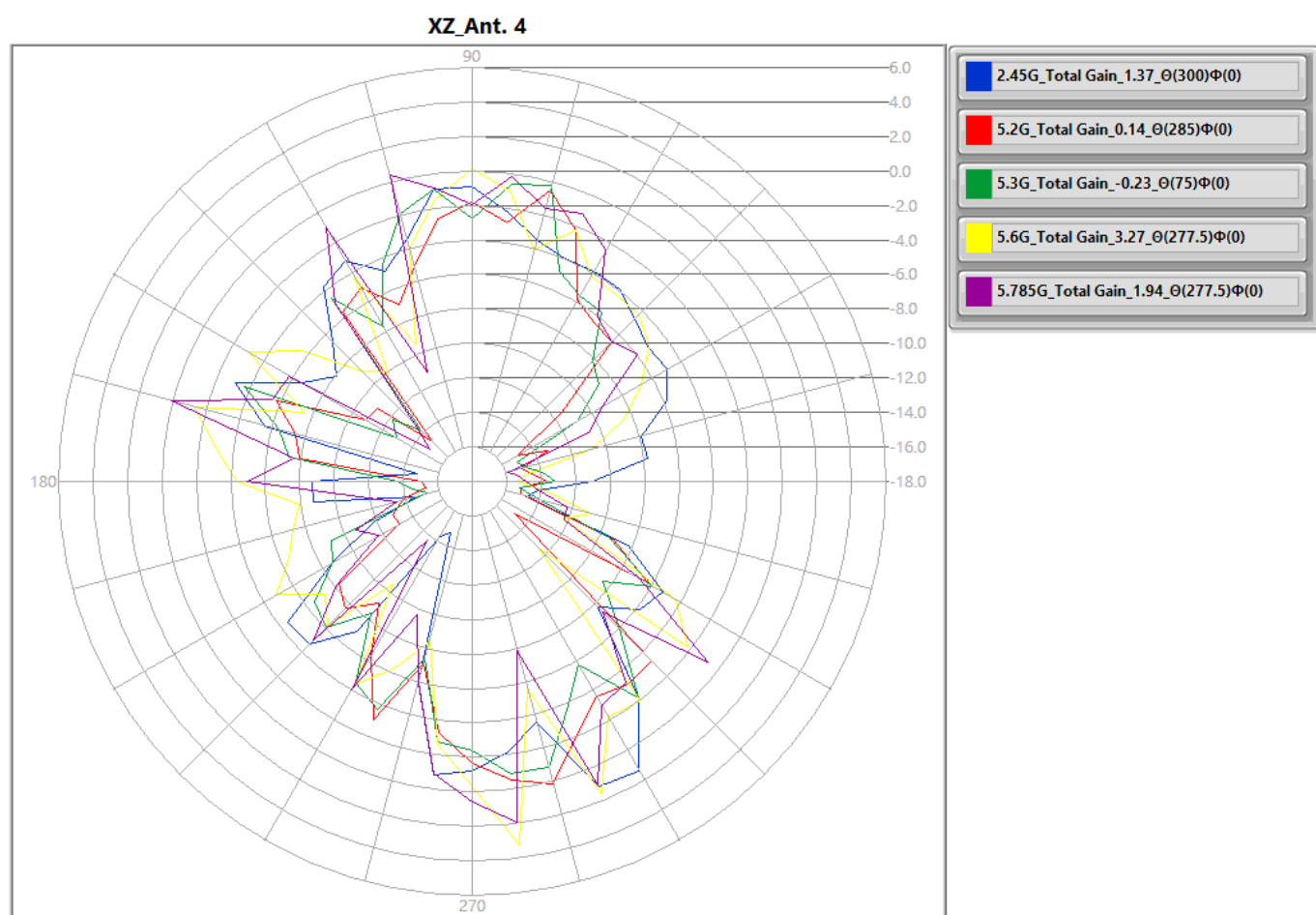
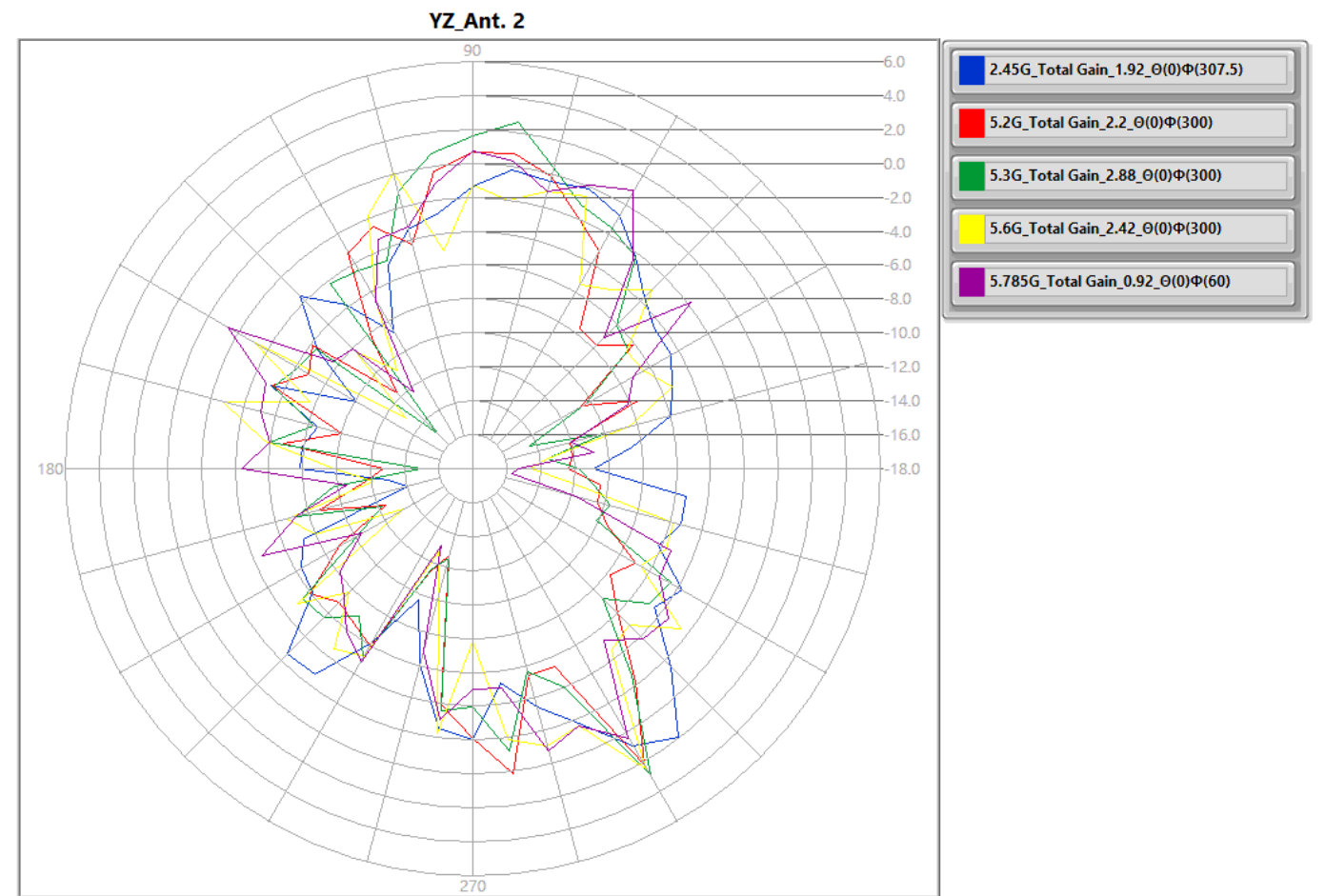
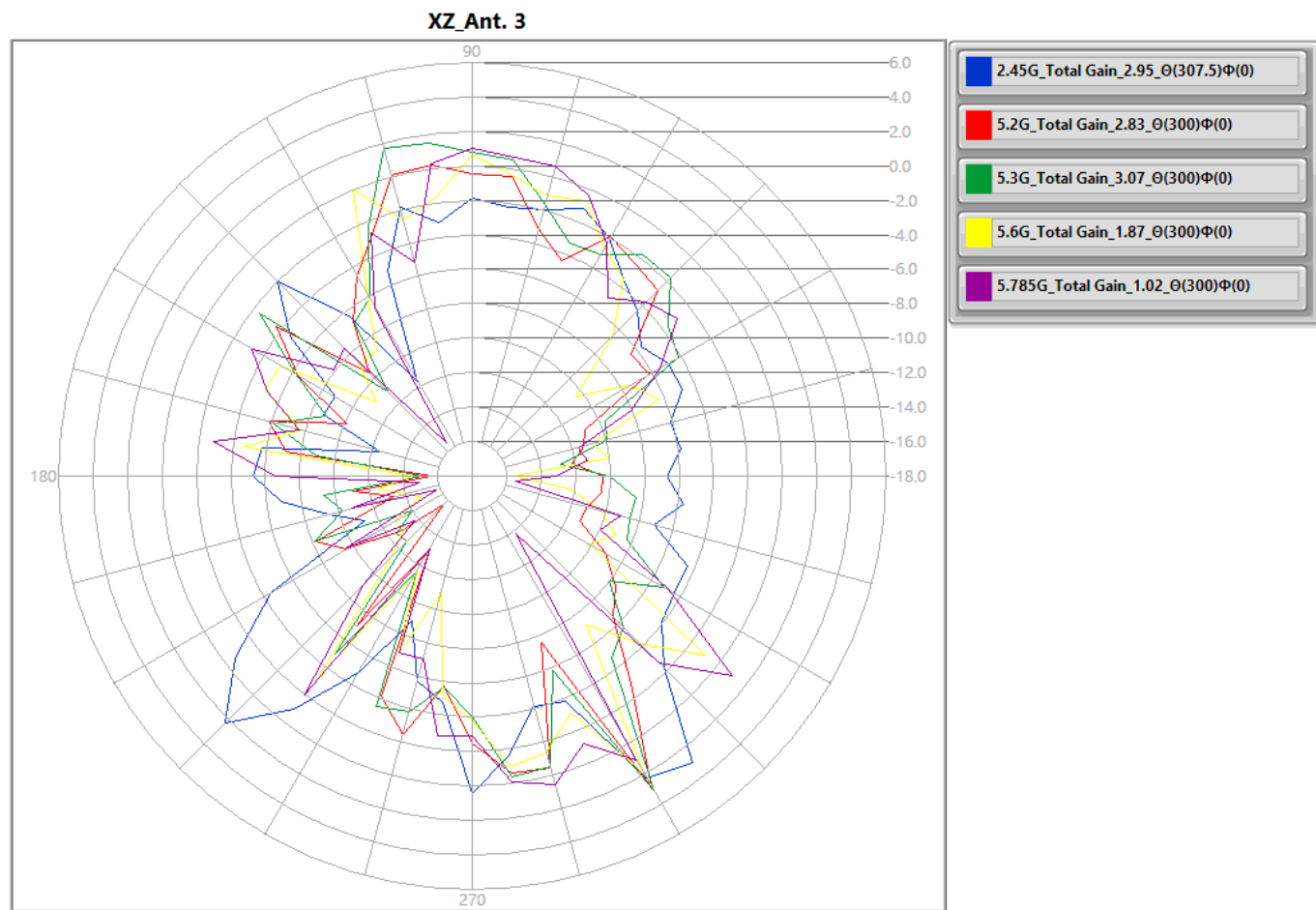
Antenna Pattern_2.4GHz, 5GHz U-NII 1~3

Appendix C

Θ (150°)	-10.84/-8.32	-6.57/-4.73	-4.55/-5.74	-6.14/-9.79	-15.12/-10.24	-9.54/-11.73	-13.42/-11.87	-8.62/-11.92	-15.30/-11.84	-9.07/-6.87	-8.61/-10.08	-14.40/-13.36	-13.15/-9.29	-8.27/-7.17	-6.22/-7.43	-14.58/-12.67	-8.64/-9.59	-11.59/-11.66	-11.07/-9.43	-10.66/-13.21	-11.00/-8.30	-7.06/-6.36	-5.95/-6.32	-8.36/-10.42
Θ (157.5°)	-5.68/-6.21	-6.82/-8.91	-11.38/-7.55	-5.70/-7.15	-10.29/-12.15	-8.76/-6.01	-7.25/-11.96	-15.59/-11.80	-7.26/-6.39	-7.89/-6.59	-7.86/-7.84	-11.10/-11.66	-13.01/-11.37	-7.46/-7.09	-7.85/-11.02	-12.97/-12.82	-11.66/-8.02	-8.51/-9.40	-13.42/-11.04	-9.87/-8.43	-7.80/-7.95	-7.68/-7.57	-7.96/-6.88	-7.39/-6.22
Θ (165°)	-7.37/-7.19	-6.73/-5.04	-5.10/-6.55	-8.65/-9.94	-10.90/-11.13	-8.45/-7.75	-9.40/-12.67	-12.98/-12.99	-9.88/-12.32	-13.98/-13.98	-13.32/-11.68	-12.92/-12.04	-13.84/-14.79	-13.49/-11.01	-8.80/-8.95	-10.79/-14.45	-15.30/-11.91	-9.86/-8.76	-7.84/-7.78	-6.99/-7.44	-7.89/-6.65	-6.35/-6.81	-5.85/-6.03	-5.56/-5.98
Θ (172.5°)	-7.86/-7.28	-8.07/-10.09	-13.08/-14.28	-13.40/-13.20	-13.09/-14.52	-11.78/-12.09	-14.08/-15.19	-15.04/-15.27	-15.38/-15.59	-13.88/-15.84	-15.10/-15.07	-15.96/-15.99	-15.28/-13.44	-13.79/-11.61	-10.76/-11.23	-12.09/-13.55	-13.89/-13.91	-13.51/-13.22	-13.77/-13.51	-13.21/-12.52	-11.80/-11.20	-10.31/-8.64	-8.55/-9.45	-9.02/-11.81
Freq(Hz)	-15.05/-15.09	-15.72/-15.47	-14.30/-12.64	-12.61/-14.38	-14.37/-16.00	-15.22/-15.23	-15.83/-11.34	-9.79/-10.84	-11.32/-10.49	-12.48/-13.17	-12.18/-13.71	-12.03/-12.86	-12.13/-11.49	-12.79/-12.05	-11.64/-12.08	-11.86/-12.18	-13.35/-13.78	-13.17/-13.60	-13.36/-14.24	-15.09/-15.40	-14.00/-13.79	-13.15/-13.96	-14.08/-13.81	-15.17/-14.84
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°)	-13.17/-13.96	-14.49/-14.79	-15.21/-14.35	-14.57/-15.38	-13.95/-14.29	-15.08/-15.18	-15.96/-14.79	-12.97/-13.20	-15.11/-12.66	-14.52/-14.96	-14.75/-16.28	-15.87/-15.11	-14.38/-14.05	-14.01/-14.70	-14.04/-13.48	-13.14/-13.25	-14.76/-14.74	-15.00/-14.38	-14.96/-14.42	-14.39/-13.87	-16.24/-15.87	-14.06/-14.70	-14.84/-14.63	-13.27/-14.21
Θ (7.5°)	-13.90/-15.23	-14.76/-15.87	-14.81/-13.34	-13.87/-15.11	-15.57/-15.71	-15.82/-16.21	-15.39/-15.00	-13.61/-13.99	-15.20/-15.29	-14.95/-15.75	-15.52/-15.02	-15.29/-15.25	-15.26/-14.57	-13.92/-15.13	-14.83/-13.74	-14.20/-14.59	-14.77/-13.63	-13.88/-14.01	-15.64/-15.14	-15.70/-14.97	-15.34/-15.86	-15.99/-15.04	-15.31/-14.93	-14.84/-15.60
Θ (15°)	-14.75/-14.96	-13.08/-12.54	-13.50/-12.18	-13.55/-15.08	-15.39/-15.40	-14.53/-14.42	-12.74/-10.93	-11.03/-12.55	-14.87/-14.77	-15.82/-15.64	-15.13/-13.78	-13.36/-13.60	-13.81/-12.80	-12.42/-12.03	-10.54/-10.23	-12.40/-15.68	-15.08/-14.05	-11.43/-10.85	-10.84/-12.63	-14.52/-15.78	-14.78/-14.24	-15.13/-14.16	-13.94/-15.13	-13.03/-14.51
Θ (22.5°)	-15.17/-15.72	-14.10/-11.76	-12.33/-11.78	-11.60/-13.94	-13.06/-11.15	-10.17/-9.52	-12.15/-13.57	-15.37/-13.51	-10.98/-13.00	-12.00/-10.87	-10.67/-9.84	-9.99/-9.61	-9.40/-10.68	-10.38/-11.14	-13.55/-13.30	-12.43/-11.96	-14.71/-14.48	-10.90/-9.15	-8.76/-11.02	-11.75/-11.25	-13.98/-14.99	-15.43/-14.36	-14.72/-16.31	-14.97/-15.54
Θ (30°)	-10.96/-12.44	-13.79/-15.42	-13.07/-12.90	-13.01/-14.07	-12.23/-10.17	-12.52/-14.54	-12.66/-10.87	-10.43/-12.22	-9.93/-7.45	-6.64/-6.48	-6.20/-6.16	-7.58/-7.76	-5.88/-6.66	-7.44/-7.63	-7.91/-7.05	-7.72/-11.25	-9.26/-6.63	-8.01/-8.59	-7.05/-9.04	-10.45/-10.92	-10.94/-13.00	-12.37/-14.22	-14.76/-10.83	-8.62/-10.04
Θ (37.5°)	-8.73/-10.34	-6.79/-7.32	-8.69/-10.96	-9.95/-11.14	-12.59/-11.78	-11.59/-11.07	-10.62/-7.19	-9.80/-9.99	-7.13/-6.60	-6.38/-6.94	-9.00/-12.01	-11.45/-10.11	-8.42/-7.44	-9.40/-8.49	-6.48/-7.98	-4.62/-5.33	-10.88/-8.05	-6.88/-9.12	-7.84/-8.26	-7.57/-7.09	-5.84/-6.77	-9.39/-7.50	-6.45/-6.51	-6.74/-8.09
Θ (45°)	-8.14/-6.38	-5.41/-4.51	-4.86/-8.03	-6.41/-5.79	-10.70/-8.17	-6.83/-7.56	-7.51/-10.56	-14.08/-13.95	-12.12/-11.96	-8.17/-9.23	-11.64/-6.57	-5.72/-5.87	-5.87/-6.43	-7.59/-5.85	-7.10/-5.16	-6.24/-5.13	-7.39/-7.38	-5.61/-7.37	-7.20/-7.14	-6.88/-7.53	-4.75/-5.07	-6.19/-5.73	-5.54/-5.48	-8.49/-10.06
Θ (52.5°)	-5.65/-5.71	-5.62/-5.01	-6.10/-7.20	-5.06/-5.67	-6.02/-7.49	-6.29/-6.31	-8.68/-7.03	-3.45/-3.85	-3.99/-3.93	-4.43/-4.26	-1.92/-0.34	-0.78/-2.67	-2.16/-3.13	-1.64/-0.75	-0.74/-3.95	-4.38/-5.23	-6.71/-7.86	-3.89/-5.09	-4.99/-7.43	-3.90/-5.50	-3.19/-6.00	-6.54/-5.32	-4.34/-5.76	-6.95/-7.10
Θ (60°)	-5.52/-5.96	-12.08/-5.84	-6.13/-5.06	-9.87/-6.87	-6.04/-6.39	-5.77/-4.26	-7.22/-4.47	-4.20/-8.72	-8.35/-8.09	-4.43/-5.87	-5.58/-7.21	-5.67/-3.46	-5.69/-3.54	-4.11/-3.67	-2.66/-2.67	-2.47/-3.94	-4.08/-7.76	-6.98/-5.12	-3.56/-3.46	-4.85/-8.04	-2.74/-2.53	-2.73/-3.83	-3.88/-5.56	-8.37/-5.89
Θ (67.5°)	-4.82/-2.00	-3.87/-3.98	-4.01/-4.63	-6.02/-6.10	-2.95/-3.06	-5.74/-4.42	-5.58/-4.96	-8.88/-4.52	-4.20/-3.67	-2.44/-2.06	-1.01/-0.86	0.79/-4.74	-3.71/-1.68	-2.54/-2.76	-5.62/-8.01	-7.06/-6.38	-4.11/-2.62	-6.88/-4.75	-3.35/-4.22	-3.60/-3.41	-3.48/-3.69	-4.30/-4.11	-2.53/-1.66	-5.39/-4.52
Θ (75°)	-0.23/-0.91	-1.55/-1.62	-2.92/-2.28	-0.66/-3.99	-1.98/-2.77	-7.04/-3.73	-5.81/-0.95	-1.91/-3.31	-2.40/-5.79	-2.94/-3.47	-5.34/-7.53	-5.99/-5.49	-0.84/-3.14	-3.91/-5.18	-4.64/-6.04	-3.07/-3.33	-4.51/-4.39	-4.71/-2.98	-2.20/-6.76	-3.68/-1.84	-2.84/-2.76	-4.98/-3.28	-0.92/-0.34	-1.85/-0.96
Θ (82.5°)	-0.58/-3.51	-5.02/-1.64	-3.49/-1.69	-2.82/-7.11	-3.99/-5.57	-4.50/-3.52	-3.79/-5.99	-2.34/-5.70	-5.56/-4.81	-2.14/-1.96	0.16/-1.24	-0.83/-0.67	-0.89/-1.19	-6.32/-0.82	-5.60/-2.77	-5.07/-3.70	-4.88/-4.98	-6.07/-3.09	-3.08/-7.90	-3.66/-5.92	-4.22/-1.91	-3.44/-2.74	-2.59/-3.49	-2.89/-1.54
Θ (90°)	-2.77/-0.1	-2.80/-1.99	-1.79/-4.03	-2.18/-3.31	-3.81/-3.94	-4.89/-3.93	-3.40/-5.36	-4.06/-2.21	-3.52/-4.55	-2.58/-0.53	-1.46/-0.76	-0.62/-1.09	-2.43/-4.76	-6.10/-4.10	-1.47/-3.65	-2.05/-5.92	-3.67/-6.09	-3.33/-0.93	-5.39/-9.70	-1.84/-5.04	-5.35/-2.73	-0.63/-1.35	-0.46/-1.09	-2.33/-2.76
Θ (97.5°)	-0.91/-0.43	-2.04/-2.18	-2.49/-0.31	-1.14/-1.06	-5.91/-5.43	-4.68/-6.46	-1.04/-2.75	-3.60/-1.99	-3.70/-4.28	-6.28/-1.27	-5.15/-2.39	-5.38/-7.50	-2.47/-3.87	-7.05/-2.31	-2.10/-1.35	-2.64/-2.69	-1.66/-9.28	-4.57/-3.63	-5.38/-11.56	-4.98/-10.77	-5.22/-3.57	-3.54/-1.88	-0.66/-1.12	-1.23/-2.55
Θ (105°)	-1.91/-4.79	-4.28/-4.46	-3.71/-1.42	-5.73/-5.89	-6.62/-7.40	-8.50/-6.65	-2.66/-4.98	-5.86/-5.42	-10.01/-6.71	-10.39/-4.85	-8.10/-6.56	-8.06/-10.25	-7.39/-12.14	-11.21/-7.10	-4.70/-6.79	-6.95/-9.46	-2.33/-8.38	-7.24/-7.99	-11.50/-12.11	-6.59/-14.63	-11.46/-4.90	-5.44/-6.23	-4.29/-4.65	-3.73/-4.97
Θ (112.5°)	-4.40/-3.93	-5.81/-5.19	-9.00/-4.57	-4.23/-5.33	-3.84/-15.16	-11.11/-6.45	-10.39/-8.31	-8.17/-7.14	-11.07/-8.80	-13.75/-4.89	-12.68/-5.57	-10.96/-5.82	-3.71/-3.61	-7.75/-6.37	-4.15/-6.70	-11.45/-8.19	-4.36/-12.24	-3.51/-7.55	-14.97/-11.30	-4.08/-11.75	-5.64/-7.96	-5.75/-1.52	-3.93/-5.27	-3.72/-2.97
Θ (120°)	-7.60/-5.39	-5.54/-6.54	-8.42/-5.54	-6.05/-3.41	-9.41/-12.52	-10.28/-7.49	-6.54/-10.03	-12.07/-5.99	-7.23/-7.33	-10.81/-6.70	-7.32/-11.61	-10.72/-9.32	-4.49/-8.00	-9.87/-9.86	-5.24/-14.44	-13.59/-6.93	-6.20/-13.56	-8.29/-8.67	-11.31/-15.29	-12.71/-8.88	-4.77/-6.82	-5.85/-7.08	-5.19/-3.07	
Θ (127.5°)	-4.60/-7.99	-11.27/-6.40	-7.93/-9.05	-7.54/-7.30	-15.57/-8.41	-12.17/-12.28	-7.12/-7.02	-14.19/-5.76	-7.04/-8.25	-12.54/-7.81	-8.27/-10.36	-5.07/-10.89	-8.38/-11.97	-6.14/-10.66	-11.11/-7.63	-14.91/-8.45	-10.15/-9.99	-15.15/-10.81	-13.89/-15.23	-12.60/-12.61	-8.95/-8.65	-6.08/-3.93	-7.03/-13.17	-11.22/-4.38
Θ (135°)	-13.75/-10.49	-7.84/-8.63	-12.17/-10.54	-9.12/-10.98	-16.03/-12.37	-10.39/-8.31	-16.09/-13.48	-10.56/-8.11	-10.07/-9.80	-8.87/-7.09	-8.01/-5.46	-8.59/-9.67	-5.98/-8.16	-9.18/-10.59	-10.53/-8.42	-12.23/-14.43	-6.73/-8.09	-11.24/-9.38	-8.41/-13.71	-12.30/-11.68	-10.51/-10.42	-14.93/-11.06	-11.25/-13.97	-11.41/-11.37
Θ (142.5°)	-12.19/-14.44	-8.75/-4.72	-4.59/-3.44	-9.29/-2.46	-2.47/-6.11	-10.01/-8.39	-7.38/-7.07	-9.56/-9.27	-8.54/-7.16	-9.42/-11.06	-7.49/-4.66	-2.84/-4.07	-4.48/-5.35	-5.87/-10.88	-10.59/-6.90	-8.42/-15.89	-8.02/-8.31	-8.91/-8.83	-8.52/-10.27	-15.48/-11.44	-9.11/-6.99	-6.77/-6.82	-11.77/-14.52	-11.00/-10.64
Θ (150°)	-12.98/-9.15	-5.46/-4.64	-4.08/-4.66	-4.93/-5.77	-11.59/-13.91	-8.72/-10.98	-16.07/-13.89	-9.16/-9.47	-14.67/-13.09	-9.01/-7.36	-7.13/-9.62	-12.22/-11.98	-8.65/-6.96	-7.63/-7.90	-5.94/-7.01	-14.01/-12.48	-9.03/-10.34	-12.39/-13.35	-11.58/-7.46	-9.31/-14.83	-10.81/-7.92	-6.18/-4.27	-4.12/-4.36	-5.16/-7.95
Θ (157.5°)	-3.72/-3.09	-4.16/-7.24	-12.61/-8.18	-5.52/-5.05	-7.58/-12.37	-1.45/-5.81	-6.38/-7.57	-12.97/-12.57	-9.39/-8.51	-8.02/-8.57	-6.35/-5.74	-8.90/-11.64	-9.14/-7.35	-5.67/-4.35	-5.72/-8.39	-11.64/-12.42	-12.53/-10.64	-9.77/-10.16	-11.81/-9.52	-8.15/-7.89	-6.88/-6.20	-5.21/-6.41	-4.52/-6.01	-6.13/-5.27
Θ (165°)	-6.37/-7.39	-6.60/-5.09	-4.05/-4.20	-6.13/-8.60	-10.11/-9.58	-6.86/-5.74	-5.72/-7.67	-11.48/-10.22	-9.38/-12.77	-15.13/-15.11	-13.41/-13.27	-13.39/-15.78	-15.32/-12.53	-8.46/-6.67	-5.83/-7.07	-11.14/-15.56	-13.66/-10.55	-8.72/-8.01	-7.17/-6.92	-7.08/-6.64	-5.89/-5.36	-5.19/-5.35	-5.82/-5.10	-5.00/-5.86
Θ (172.5°)	-7.27/-7.03	-7.08/-9.48	-12.75/-12.92	-12.64/-12.71	-14.17/-14.16	-12.33/-11.26	-12.14/-13.65	-14.96/-14.32	-12.42/-14.35	-14.14/-13.97	-15.52/-15.85	-15.08/-14.67	-14.49/-11.81	-10.10/-10.31	-10.88/-12.91	-12.92/-13.25	-12.56/-12.07	-10.57/-9.57	-6.38/-7.80	-7.76/-7.80	-7.73/-6.69	-5.59/-5.13	-5.50/-5.82	-6.21/-6.67
Θ (180°)	-13.67/-14.92	-15.37/-13.31	-12.51/-11.65	-10.53/-11.89	-14.69/-15.95	-15.11/-14.10	-11.78/-9.45	-8.13/-8.59	-8.69/-9.78	-10.50/-11.18	-11.17/-10.81	-11.25/-10.53	-10.45/-9.91	-9.42/-10.41	-11.16/-11.72	-12.47/-13.04	-14.17/-14.04	-15.12/-15.56	-15.18/-15.23	-14.98/-15.39	-14.44/-12.91	-14.14/-15.02	-15.43/-15.29	-15.40/-13.75
Freq(Hz)	5.65G/Pol.	Total/Ant. 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ (0°)	-15.42/-																							

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)	6.175GPol	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°)	-15.36/-15.14	-13.20/-14.54	-15.51/-15.20	-14.67/-13.48	-15.52/-15.18	-15.56/-15.12	-14.36/-13.97	-13.41/-12.92	-13.42/-13.10	-13.41/-13.46	-13.85/-14.17	-14.40/-14.06	-12.94/-12.45	-11.74/-12.32	-13.71/-14.76	-14.13/-15.72	-15.47/-15.79	-15.49/-15.93	-15.27/-15.26	-14.65/-15.11	-14.58/-15.03	-15.84/-15.08	-15.12/-15.27	-15.77/-15.93
Θ(7.5°)	-11.74/-12.54	-13.29/-13.77	-13.92/-15.41	-15.29/-15.06	-15.13/-15.00	-15.66/-14.55	-16.04/-14.44	-15.41/-14.28	-14.34/-14.28	-14.34/-14.39	-15.39/-13.96	-12.96/-12.80	-13.74/-14.06	-15.58/-14.27	-14.23/-14.33	-14.70/-14.72	-15.47/-15.93	-14.88/-15.99	-13.29/-13.84	-13.22/-14.30	-12.89/-14.93	-12.27/-12.21	-15.37/-12.88	
Θ(15°)	-10.65/-9.96	-9.91/-14.86	-14.80/-15.05	-14.36/-13.65	-14.23/-13.55	-11.60/-11.72	-11.99/-13.01	-13.43/-13.91	-13.10/-12.15	-10.53/-10.46	8.03/-8.00	-9.74/-9.58	-9.23/-8.93	-9.57/-10.31	-11.95/-12.39	-12.80/-14.00	-13.05/-9.65	-9.39/-8.92	-7.77/-8.52	-8.25/-8.53	-8.82/-9.19	-11.32/-11.51	-12.69/-14.28	-12.30/-11.87
Θ(22.5°)	-9.93/-8.81	-9.13/-8.02	-9.81/-8.26	-8.80/-6.36	-7.52/-7.44	-6.36/-6.53	-5.66/-5.97	-5.34/-9.94	-5.00/-5.37	-5.92/-7.78	-8.50/-7.14	-7.75/-9.73	-11.70/-11.53	-11.21/-13.60	-11.64/-13.61	-9.69/-8.72	-7.59/-7.65	-8.82/-8.42	-7.06/-7.02	-8.82/-10.16	-12.53/-13.98	-14.29/-12.71	-14.29/-12.71	
Θ(30°)	-11.99/-11.98	-8.09/-8.57	-7.65/-7.33	-7.05/-6.36	-5.02/-6.30	-6.46/-6.17	-6.11/-5.22	-5.08/-5.66	-8.43/-6.65	-4.44/-3.91	-6.00/-8.49	-9.86/-7.76	-8.18/-8.55	-8.21/-6.71	-6.25/-8.77	-7.41/-6.31	-8.23/-5.81	-7.64/-7.54	-7.40/-6.90	-8.73/-11.04	-9.80/-8.60	-10.85/-11.61	-9.19/-10.49	
Θ(37.5°)	-9.75/-6.26	-7.00/-6.86	-8.66/-9.48	-9.82/-11.57	-14.69/-9.08	-7.34/-9.52	-8.56/-7.53	-5.29/-6.10	-5.00/-7.03	6.15/-11.10	-10.59/-9.07	-8.53/-7.80	-9.98/-8.03	6.25/-5.49	-6.99/-7.77	6.40/-6.41	-4.87/-4.71	-5.00/-6.56	-7.02/-6.61	-4.68/-4.92	-5.21/-6.55	-5.58/-7.30	-7.44/-7.74	-5.15/-7.05
Θ(45°)	-6.46/-6.51	-7.91/-5.54	-7.03/-8.48	-5.07/-4.08	-2.87/-3.18	-3.49/-2.37	-2.07/-1.50	-0.90/-1.16	-0.59/-2.22	-4.68/-4.22	-3.19/-5.71	-3.44/-4.16	-7.90/-3.86	-8.91/-7.28	-3.81/-5.12	-3.69/-2.82	-4.12/-2.47	-5.54/-5.31	-3.50/-3.79	-3.80/-4.15	-4.77/-7.14	-6.09/-6.83	-7.95/-7.47	-6.41/-7.70
Θ(52.5°)	-7.24/-5.92	-3.90/-3.49	-3.60/-3.45	-3.63/-4.61	-6.83/-5.66	-4.44/-7.12	-5.72/-5.42	-4.63/-5.52	-6.92/-6.82	-5.60/-4.68	-7.13/-4.26	-4.98/-2.77	-4.92/-4.28	-4.81/-6.55	-4.11/-3.71	-3.75/-1.87	-3.51/-4.95	-4.10/-3.51	-3.08/-2.71	-2.30/-3.63	-4.75/-4.57	-7.15/-4.57	-5.41/-6.40	
Θ(60°)	-2.44/-3.36	-4.84/-4.08	-4.90/-3.46	-3.45/-3.43	-0.64/-0.53	0.42/-1.86	0.760/0	0.40/-0.50	-0.92/-1.35	-2.97/-0.91	-2.48/-3.50	-3.49/-6.73	-2.03/-7.22	-2.79/-3.35	-4.45/-4.51	-2.16/-1.41	-3.49/-3.37	-3.24/-4.36	-2.59/-3.12	-3.41/-3.24	-3.77/-5.63	-4.88/-3.94	-4.12/-3.87	-4.11/-3.92
Θ(67.5°)	-3.56/-5.96	-4.13/-2.50	-2.64/-2.80	-1.86/-3.70	-4.16/-7.27	-2.90/-4.60	-2.77/-4.46	-3.40/-0.88	-1.68/-2.36	-2.30/-5.01	-4.58/-3.02	-3.07/-3.19	-4.55/-4.48	-3.90/-4.57	-3.55/-3.03	-4.84/-2.07	-2.14/-3.67	-3.84/-3.04	-2.58/-2.53	-2.65/-2.75	-3.52/-4.31	-2.62/-2.33	-4.17/-4.77	-3.19/-6.62
Θ(75°)	-5.40/-2.75	-5.09/-3.55	-4.15/-3.01	-2.89/-1.84	-1.27/-1.02	-1.03/-0.32	-1.61/-0.69	-1.49/-0.85	-2.67/-3.17	-1.75/-4.84	-1.23/-0.38	-4.64/-3.57	-1.27/-2.38	-1.68/-0.56	-1.43/-0.53	-0.49/-0.54	-1.73/-1.51	-1.68/-0.85	-1.43/-0.53	-0.49/-0.54	-1.73/-1.51	-1.68/-0.85	-1.43/-0.53	-0.49/-0.54
Θ(82.5°)	-4.65/-6.26	-9.76/-2.87	-4.13/-2.66	-1.66/-2.28	-2.39/-4.07	-2.04/-5.54	-2.09/-5.37	-4.65/-3.22	-2.09/-4.13	-1.79/-5.86	-5.71/-4.87	-5.00/-8.20	-5.26/-3.96	-5.43/-5.90	-10.79/-2.25	-2.29/-3.04	-0.69/-3.83	-1.05/-1.44	-1.60/-0.63	-2.47/-2.83	-2.71/-3.68	-1.16/-6.61	-4.44/-2.39	-5.76/-4.05
Θ(90°)	-4.15/-5.38	-8.92/-4.77	-4.50/-2.50	-6.69/-2.15	-3.49/-1.66	-3.26/-1.15	-2.31/-1.73	-1.97/-2.72	0.34/-2.35	-2.54/-1.88	-2.23/-4.50	-4.22/-9.36	-8.77/-7.05	-5.04/-4.84	-6.48/-3.29	-1.42/-2.26	-2.63/-2.90	-0.26/-3.24	-1.84/-0.84	-0.96/-1.20	-1.14/-2.07	-2.39/-4.22	-6.62/-3.32	-7.15/-7.88
Θ(97.5°)	-4.88/-6.33	-15.39/-6.23	-4.70/-3.84	-0.02/-0.47	-1.67/-1.63	-1.70/-3.67	-2.44/-1.02	-2.61/-3.40	-3.14/-5.41	-3.16/-3.97	-5.10/-5.75	-7.47/-9.53	-6.95/-8.45	-5.77/-8.83	-7.46/-6.18	-2.55/-4.66	-4.72/-1.34	-0.53/-3.39	-2.59/-1.52	-1.89/-2.19	-1.63/-3.27	-4.81/-4.90	-5.38/-3.64	-6.52/-10.10
Θ(105°)	-5.54/-3.72	-13.99/-6.09	-4.79/-2.74	-2.68/-1.61	-2.09/-3.00	-5.15/-5.63	-4.72/-3.67	-4.15/-7.76	-5.92/-5.04	-5.84/-5.67	-6.60/-6.53	-6.52/-15.40	-3.73/-5.75	-7.10/-6.88	-9.80/-2.99	-4.61/-3.27	-6.24/-2.09	-0.87/-1.70	-1.52/-2.62	-1.08/-3.44	-2.18/-1.86	-4.30/-4.52	-1.98/-2.41	-7.54/-3.75
Θ(112.5°)	-2.63/-5.51	-9.60/-8.20	-6.75/-9.92	-3.44/-5.39	-4.77/-4.52	-5.61/-6.83	-1.97/-6.34	-8.42/-6.64	-4.03/-5.69	-12.55/-4.33	-6.81/-8.26	-14.78/-6.35	-2.28/-1.75	-4.95/-8.33	-12.10/-4.03	-1.10/-4.91	-2.10/-0.54	-5.26/-2.32	-4.00/-1.92	-1.98/-0.13	-3.50/-4.69	-3.06/-4.46	-3.63/-2.23	-4.20/-2.10
Θ(120°)	-6.11/-9.50	-7.63/-10.59	-7.34/-3.99	-4.30/-5.24	-5.43/-6.36	-14.49/-11.34	-9.76/-6.76	-0.93/-10.90	-9.76/-9.16	-13.63/-4.81	-13.96/-9.13	-12.19/-3.54	-5.59/-2.51	-3.53/-15.99	-13.31/-4.73	-5.44/-8.41	-4.46/-4.01	-3.89/-3.04	-3.30/-3.66	-3.41/-4.42	-8.92/-6.55	-9.94/-7.04	-6.30/-4.98	-6.03/-4.30
Θ(127.5°)	-4.54/-4.52	-12.11/-10.23	-13.68/-3.66	-5.53/-3.93	-5.23/-4.78	-8.44/-4.33	-4.97/-7.27	-7.27/-11.47	-7.19/-6.29	-9.52/-5.74	-13.57/-6.68	-10.10/-7.96	-5.25/-4.32	-4.93/-9.81	-7.24/-5.40	-1.88/-7.98	-6.48/-4.32	-3.99/-6.52	-6.20/-7.23	-4.28/-4.20	-4.57/-10.06	-8.96/-9.86	-5.52/-6.27	-3.77/-1.11
Θ(135°)	-5.41/-5.30	-5.46/-4.56	-8.31/-3.67	-9.24/-3.10	-3.94/-4.38	-14.45/-11.78	-14.63/-10.48	-8.31/-8.25	-11.52/-12.98	-11.05/-6.90	-14.93/-10.90	-10.92/-6.96	-7.14/-5.56	-10.05/-10.47	-9.63/-5.06	-4.32/-7.50	-7.99/-2.69	-4.16/-6.35	-5.26/-2.92	-3.95/-1.59	-5.02/-9.92	-7.51/-11.39	-8.19/-2.29	-1.69/-2.21
Θ(142.5°)	-5.91/-5.85	-4.17/-6.63	-9.58/-4.62	-2.17/-8.10	-9.89/-7.87	-10.13/-9.99	-14.13/-9.99	-11.70/-9.10	-13.53/-11.59	-7.33/-8.53	-7.98/-7.70	-8.59/-7.20	-9.98/-7.33	-6.55/-3.77	-6.41/-8.94	-4.58/-5.92	-10.53/-1.77	-5.68/-1.25	-3.89/-7.75	-5.57/-5.90	-8.56/-10.98	-6.20/-11.70	-6.63/-3.88	-2.90/-2.21
Θ(150°)	-9.28/-11.39	-8.11/-14.52	-9.48/-7.88	-6.93/-13.44	-11.78/-9.84	-15.31/-11.56	-10.21/-10.53	-13.98/-10.45	-8.39/-11.94	-10.03/-8.31	-7.03/-5.04	-4.49/-8.03	-6.86/-6.32	-11.71/-14.32	-13.11/-9.16	-7.90/-9.99	-9.76/-8.56	-11.68/-9.63	-8.56/-7.96	-10.16/-9.27	-9.34/-10.91	-9.77/-8.59	-10.01/-5.85	-7.28/-6.68
Θ(157.5°)	-3.03/-2.76	-6.30/-14.44	-9.80/-13.45	-11.67/-8.10	-7.27/-8.17	-12.50/-13.73	-12.35/-11.50	-10.16/-11.49	-9.77/-5.90	-4.63/-4.12	-3.92/-4.74	-3.49/-3.13	-4.35/-6.72	-6.95/-8.98	-7.35/-8.10	-7.78/-8.78	-7.68/-12.62	-11.99/-6.34	-5.26/-7.65	-11.61/-12.32	-9.16/-6.63	-5.39/-5.60	-8.62/-6.00	-7.77/-6.53
Θ(165°)	-7.79/-1.72	-9.00/-5.77	-6.09/-7.97	-8.74/-8.83	-9.61/-9.68	-8.98/-7.84	-2.56/-1.23	-4.02/-4.13	-4.15/-6.66	-8.98/-8.79	-7.35/-4.43	-3.36/-2.86	-2.79/-5.49	-3.58/-6.50	-6.91/-7.87	-9.75/-8.35	-8.08/-7.35	-8.79/-8.48	-9.11/-9.17	-9.34/-10.82	-15.22/-15.46	-12.13/-9.85	-8.64/-5.00	-4.37/-5.29
Θ(172.5°)	-14.82/-15.86	-8.64/-7.53	-8.35/-7.02	-6.09/-5.75	-4.93/-4.06	-3.08/-2.30	-2.20/-1.94	-1.95/-2.29	-2.26/-2.28	-2.80/-3.89	-4.45/-5.29	-4.91/-4.37	-3.72/-3.33	-3.72/-4.34	-5.38/-6.33	-6.27/-6.96	-6.00/-5.44	-4.71/-5.86	-7.38/-9.03	-9.39/-10.39	-11.28/-11.69	-14.24/-14.00	-9.37/-7.47	-8.03/-11.95
Θ(180°)	-6.40/-7.55	-9.71/-12.60	-10.83/-4.79	-5.92/-5.60	-5.06/-3.73	-3.81/-4.03	-4.33/-4.46	-4.17/-3.66	-2.91/-3.20	-2.92/-3.18	-2.74/-2.73	-2.56/-2.59	-3.00/-2.99	-3.32/-3.51	-3.57/-3.27	-3.50/-3.43	-3.64/-3.83	-3.78/-3.60	-3.28/-3.27	-3.67/-3.59	-3.62/-3.64	-3.16/-3.37	-4.50/-5.57	-6.03/-5.44
Freq(Hz)	6.475GPol	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°)	-12.42/-13.13	-12.63/-14.72	-14.17/-13.48	-14.96/-15.60	-14.70/-15.67	-14.20/-15.16	-11.13/-15.35	-15.10/-15.00	-15.17/-15.64	-15.11/-14.83	-15.85/-15.86	-15.17/-16.12	-11.56/-14.21	-14.57/-15.51	-14.66/-15.32	-15.66/-15.47	-14.90/-15.17	-15.31/-14.76	-13.92/-14.42	-15.49/-13.41	-15.30/-14.16	-13.57/-15.72	-14.45/-13.58	
Θ(7.5°)	-14.76/-16.07	-13.88/-14.59	-13.81/-13.29	-13.96/-12.82	-14.37/-13.09	-12.38/-12.14	-11.40/-12.13	-11.50/-12.87	-12.37/-12.98	-12.39/-12.81	-13.69/-13.69	-13.48/-12.37	-11.29/-12.00	-12.36/-12.54	-12.55/-13.14	-13.50/-13.06	-11.90/-11.56	-11.90/-11.01	-11.59/-12.12	-12.26/-13.08	-13.20/-14.94	-15.04/-15.29	-15.49/-15.72	-15.41/-15.95
Θ(15°)	-15.09/-15.70	-15.42/-14.16	-12.60/-15.25	-15.15/-15.07	-14.82/-15.77	-15.15/-15.69	-13.40/-14.65	-12.09/-13.10	-12.57/-14.77	-14.91/-14.69	-10.96/-11.79	-12.28/-10.95	-12.93/-14.28	-15.40/-12.13	-11.18/-10.44	-10.35/-9.97	-11.90/-12.29	-12.43/-12.74	-12.69/-13.50	-12.61/-12.58	-12.12/-12.45	-12.51/-13.39	-11.64/-13.25	-14.84/-14.42
Θ(22.5°)	-10.04/-12.28	-15.86/-10.86	-11.96/-13.78	-15.05/-11.14	-9.58/-12.40	-14.85/-11.60	-10.01/-9.20	-8.54/-8.49	-9.17/-8.75	-11.61/-11.55	-10.35/-8.12	-8.80/-10.48	-8.20/-9.08	-10.41/-9.77	-9.26/-10.31	-9.76/-10.25	-9.00/-7.47	-7.82/-10.20	-12.12/-14.70	-13.49/-11.12	-8.76/-9.30	-8.47/-9.02	-9.99/-10.24	-9.65/-9.92
Θ(30°)	-8.04/-9.25	-9.28/-8.94	-8.56/-7.34	-8.02/-8.11	-7.32/-8.12	-4.17/-7.44	-4.58/-7.34	-3.13/-3.21	-4.13/-3.53	-3.56/-4.58	-6.51/-8.47	-7.03/-8.23	-9.12/-5.72	-9.46/-10.55	-8.83/-8.18	-6.40/-9.41	-10.97/-10.53	-10.19/-9.61	-10.41/-9.65	-8.48/-8.90	-8.88/-11.58	-11.53/-10.63	-14.73/-13.59	
Θ(37.5°)	-8.30/-7.94	-9.27/-7.52	-6.87/-6.33	-5.43/-7.06	-7.70/-12.77	-13.73/-10.17	-9.70/-10.65	-10.58/-11.51	-11.56/-10.95	-14.08/-8.52	-7.86/-9.83	-7.53/-7.50	-6.92/-6.93	-5.00/-7.35	-8.86/-9.34	-10.14/-8.90	-10.90/-7.03	-4.88/-6.15	-6.41/-7.20					



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Appendix D

Θ(22.5°)	-8.98/-8.85	-12.42/-11.85	-9.81/-8.97	-7.00/-5.93	-5.88/-5.99	-5.91/-5.61	-4.96/-5.82	-7.18/-1.72	-8.85/-9.10	-10.63/-9.65	-9.79/-9.36	-6.93/-7.84	-10.05/-7.46	-5.61/-5.77	-6.97/-8.51	-7.90/-6.34	-8.38/-6.51	-6.09/-6.96	-8.36/-8.33	-7.86/-7.76	-6.50/-6.71	-8.41/-9.32	-8.73/-8.56	-10.26/-9.54
Θ(30°)	-6.09/-6.99	-7.77/-6.84	-5.68/-5.86	-3.92/-1.92	-2.78/-3.88	-5.41/-7.42	-5.44/-4.57	-3.47/-3.75	-4.96/-5.45	-5.05/-5.45	-6.45/-6.70	-4.76/-5.65	-6.77/-5.20	-6.62/-5.25	-5.54/-5.97	-4.67/-6.08	-5.58/-4.22	-4.47/-3.56	-3.09/-2.06	-2.72/-5.57	-7.23/-5.61	-6.37/-7.16	-10.57/-6.99	-5.83/-4.89
Θ(37.5°)	-6.33/-12.49	-10.69/-8.66	-6.52/-10.59	-15.82/-15.43	-15.25/-14.19	-12.18/-9.42	-10.71/-8.88	-7.04/-10.32	-8.89/-7.46	-15.48/-6.25	-6.26/-7.47	-4.47/-6.32	-6.32/-2.51	-6.38/-2.19	-4.43/-3.25	-6.00/-5.59	-3.93/-3.07	-1.97/-2.66	-3.50/-3.34	-3.29/-3.16	-3.63/-6.88	-6.04/-6.96	-3.49/-6.61	-5.83/-5.86
Θ(45°)	-6.39/-5.31	-5.63/-3.36	-2.89/-2.38	-3.21/-2.34	-1.37/-1.02	-1.75/-1.83	-0.82/-1.64	-2.62/-4.76	-2.96/-3.26	-3.85/-4.68	-5.87/-5.72	-8.44/-4.29	-6.16/-3.10	-3.37/-6.85	-1.76/-3.17	-3.67/-5.37	-3.07/-3.10	-3.09/-4.86	-4.09/-4.56	-3.16/-3.36	-3.38/-4.22	-6.26/-3.39	-3.60/-6.50	-6.54/-7.10
Θ(52.5°)	-5.53/-4.46	-4.77/-5.84	-7.46/-8.80	-4.65/-5.14	-8.24/-6.26	-5.40/-9.10	-9.59/-7.29	-6.21/-5.41	-5.73/-5.93	-2.92/-2.79	-3.10/-3.81	-3.71/-3.52	-6.34/-2.50	-4.62/-6.31	-0.47/-2.99	-4.68/-3.45	-2.90/-3.96	-2.34/-2.05	-2.76/-1.40	-2.96/-3.68	-5.33/-3.11	-4.76/-4.40	-3.25/-5.56	-4.63/-3.91
Θ(60°)	-4.52/-2.89	-4.74/-4.50	-0.61/-1.44	-0.53/-0.30	-0.430/0.3	5.082/0.0	0.47/-0.00	-0.99/-0.97	-1.95/-0.91	-3.97/-5.31	-1.84/-4.20	-2.25/-3.47	-1.23/-3.72	-1.07/-1.10	-2.21/-1.38	-1.81/-2.50	-2.66/-1.89	-2.70/-4.06	-1.54/-2.60	-2.01/-3.89	-4.24/-3.30	-2.39/-3.57		
Θ(67.5°)	-1.15/-3.77	-1.47/-4.28	-4.90/-3.37	-5.52/-5.42	-3.38/-3.46	-4.43/-7.69	-4.88/-2.78	-3.55/-3.18	-4.08/-4.35	-1.44/-1.63	-2.43/-3.83	-3.28/-3.75	-4.01/-3.81	-2.38/-2.92	-1.39/-1.90	-2.54/-2.42	-0.09/-1.18	-2.08/-1.48	-0.41/-1.07	-1.44/-2.01	-0.44/-1.66	-2.63/-2.43	-2.74/-2.50	-5.03/-3.56
Θ(75°)	-4.97/-2.50	-2.69/-3.77	-3.15/-3.06	-0.63/-0.29	0.51/-2.63	-0.100/-33	-0.177/-0.60	-1.18/-2.61	-1.74/-2.66	-3.13/-4.04	-0.42/-3.45	-2.06/-3.03	-5.87/-4.46	-3.95/-3.53	-2.08/-1.91	-5.13/-4.12	-1.12/-0.28	-0.24/-0.49	0.32/-0.46	0.50/-0.48	-0.97/-1.24	-2.11/-2.02	-3.04/-4.87	-4.74/-4.50
Θ(82.5°)	-4.06/-10.12	-2.88/-2.68	-7.33/-3.74	-2.76/-2.43	-4.84/-3.34	-1.74/-5.61	-1.62/-2.53	-2.59/-5.45	-1.27/-2.71	-2.10/-3.01	-2.28/-5.37	-4.83/-3.07	-7.94/-3.75	-5.60/-5.19	-4.37/-1.63	-4.33/-1.65	-1.92/-3.17	-0.13/-0.02	-2.10/-0.59	-1.71/-1.74	-3.01/-1.08	-3.78/-3.05	-2.56/-7.09	-5.74/-5.81
Θ(90°)	-11.77/-4.68	-3.05/-5.11	-1.37/-2.64	-2.050/-20	-1.57/-1.04	-1.20/-2.72	-1.43/-2.82	-3.65/-5.04	-2.11/-1.21	-5.00/-6.24	-1.84/-6.20	-4.15/-5.54	-3.52/-4.33	-3.77/-2.27	-3.88/-3.58	-1.52/-1.93	-0.05/-1.10	-1.32/-1.53	-2.04/-0.74	-2.63/-1.45	-4.26/-2.88	-4.26/-4.32	-8.37/-4.74	-9.74/-2.94
Θ(97.5°)	-9.23/-7.78	-5.34/-4.18	-3.98/-3.31	-2.470/-65	-3.81/-6.12	-1.15/-2.43	-1.78/-2.74	-3.63/-3.86	0.61/-1.60	-2.58/-2.87	-6.45/-9.94	-4.96/-9.49	-5.06/-3.03	-6.24/-3.97	-1.96/-2.82	-5.94/-3.66	-3.86/-1.69	-0.94/-0.42	-4.51/-2.52	-2.09/-2.74	-3.56/-4.01	-2.32/-4.57	-4.05/-10.21	-7.28/-3.19
Θ(105°)	-7.49/-5.71	-6.86/-8.37	-4.47/-6.15	-4.84/-2.73	-1.400/-5.75	-4.47/-4.40	-5.16/-4.82	-4.56/-6.41	-4.78/-6.28	-9.99/-9.31	-5.11/-9.19	-3.99/-4.55	-5.37/-9.44	-8.88/-5.99	-5.42/-5.29	-5.36/-5.59	-1.62/-3.68	-2.98/-0.65	-1.48/-1.30	-2.77/-3.76	-4.51/-4.16	-3.79/-4.84	-10.47/-11.26	-7.80/-2.71
Θ(112.5°)	-11.90/-7.49	-9.92/-10.77	-6.61/-7.69	-6.55/-4.46	-9.44/-5.97	-9.85/-3.84	-9.17/-4.51	-6.50/-3.30	-4.79/-2.53	-9.84/-6.36	-10.50/-11.61	-3.56/-10.83	-8.95/-4.07	-9.18/-2.30	-3.82/-2.59	-5.46/-0.53	-9.56/-2.98	-2.70/-4.49	-5.18/-3.95	-3.28/-3.81	-2.20/-4.43	-1.63/-4.39	-5.16/-7.55	-4.51/-4.26
Θ(120°)	-3.51/-6.22	-13.24/-5.31	-4.70/-6.30	-9.17/-10.00	-8.21/-5.72	-1.15/-2.43	-1.47/-6.36	-5.62/-2.37	-7.21/-8.17	-9.98/-11.69	-8.29/-6.15	-6.49/-4.32	-5.11/-8.03	-5.66/-8.30	-5.91/-7.19	-5.76/-5.74	-5.08/-9.67	-6.84/-6.30	-5.30/-6.60	-6.00/-6.73	-1.66/-4.15	-5.66/-6.43	-2.09/-9.28	-2.98/-9.28
Θ(127.5°)	-6.51/-13.97	-9.27/-7.47	-5.02/-10.63	-10.49/-8.34	-8.16/-6.76	-5.77/-8.04	-8.51/-10.20	-5.08/-6.64	-9.04/-4.79	-10.23/-5.84	-10.74/-11.58	-8.67/-5.56	-5.04/-8.99	-7.92/-5.04	-8.08/-13.27	-11.97/-11.06	-6.70/-7.09	-5.11/-4.55	-5.97/-5.59	-12.70/-7.92	-13.29/-8.50	-5.42/-5.08	-10.85/-9.95	-5.51/-8.37
Θ(135°)	-5.53/-8.41	-7.47/-4.88	-3.85/-7.15	-15.76/-8.58	-4.97/-10.07	-12.30/-10.37	-10.66/-10.35	-6.02/-5.60	-7.37/-6.63	-11.18/-8.30	-9.38/-12.97	-13.27/-6.37	-4.27/-4.52	-5.64/-4.68	-7.81/-5.52	-7.52/-7.24	-10.72/-9.02	-7.07/-11.47	-5.99/-4.66	-4.87/-3.02	-7.97/-10.89	-4.20/-3.55	-9.35/-11.05	-7.57/-5.37
Θ(142.5°)	-5.68/-5.35	-5.17/-5.85	-9.57/-8.16	-8.80/-11.97	-15.23/-10.61	-12.73/-15.17	-10.52/-14.72	-11.70/-10.98	-10.57/-5.89	-9.54/-12.40	-14.08/-16.69	-10.36/-6.69	-5.17/-6.01	-11.83/-11.71	-9.22/-10.33	-11.07/-12.96	-10.68/-12.77	-15.03/-15.42	-9.74/-14.17	-11.33/-7.03	-11.22/-8.27	-4.33/-7.77	-5.74/-10.04	-10.52/-4.52
Θ(150°)	-5.44/-6.50	-9.72/-7.28	-10.93/-8.94	-15.32/-15.44	-13.86/-14.34	-13.98/-10.35	-12.52/-11.66	-8.72/-10.48	-14.88/-13.89	-13.12/-14.75	-11.48/-11.39	-9.81/-14.18	-11.43/-13.54	-8.91/-10.71	-9.65/-5.97	-8.33/-13.89	-12.71/-8.41	-12.82/-15.74	-15.22/-12.12	-8.79/-11.88	-15.37/-15.62	-12.37/-14.77	-5.07/-8.23	-6.78/-7.09
Θ(157.5°)	-5.01/-6.92	-9.14/-8.27	-10.83/-13.95	-14.04/-12.38	-11.12/-12.57	-15.43/-13.83	-13.65/-12.36	-10.13/-14.95	-13.95/-8.81	-8.03/-8.03	-9.97/-15.45	-14.12/-9.14	-9.53/-9.73	-6.29/-5.55	-7.86/-10.38	-11.38/-11.60	-9.31/-11.42	-11.35/-11.15	-9.23/-8.38	-7.63/-8.02	-9.29/-13.21	-13.28/-9.60	-11.89/-11.72	-8.73/-9.63
Θ(165°)	-9.38/-10.93	-11.52/-10.81	-13.39/-15.49	-14.98/-11.87	-9.42/-6.73	-6.62/-7.74	-10.65/-9.34	-9.37/-7.98	-7.34/-6.67	-7.66/-9.07	-9.80/-10.58	-11.06/-10.39	-10.40/-12.77	-15.30/-14.65	-13.02/-11.77	-10.96/-9.50	-9.52/-11.46	-14.68/-13.98	-12.16/-12.35	-12.19/-9.54	-7.61/-5.85	-8.82/-10.82	-13.35/-12.35	-13.23/-12.98
Θ(172.5°)	-8.24/-7.23	-6.51/-6.97	-7.61/-7.49	-6.87/-6.97	-7.84/-9.62	-11.12/-10.92	-9.46/-11.11	-11.27/-12.31	-11.19/-11.90	-10.14/-8.47	-8.54/-8.37	-8.48/-8.71	-8.81/-8.96	-10.12/-9.60	-10.21/-11.34	-12.79/-14.18	-14.24/-12.99	-13.53/-11.86	-11.89/-10.00	-8.76/-7.15	-7.55/-6.07	-5.07/-7.47	-13.28/-14.08	-10.59/-8.30
Θ(180°)	-10.84/-12.92	-14.38/-10.99	-6.97/-6.76	-7.20/-8.66	-9.13/-8.65	-8.71/-8.46	-9.96/-9.29	-9.29/-9.31	-9.18/-9.04	-9.42/-8.32	-12.14/-12.62	-10.80/-10.19	-10.07/-10.47	-12.78/-11.57	-10.04/-11.06	-10.21/-10.49	-10.11/-10.57	-9.13/-9.67	-11.10/-10.96	-10.30/-10.61	-9.42/-7.86	-8.44/-6.56		
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°)	-13.04/-12.65	-13.53/-13.18	-15.16/-14.02	-13.41/-13.73	-13.26/-13.26	-13.04/-14.19	-13.83/-13.70	-13.63/-14.24	-14.09/-13.27	-13.85/-13.72	-13.76/-14.57	-13.57/-13.80	-12.88/-13.93	-14.86/-14.13	-14.13/-15.33	-13.33/-15.54	-13.54/-15.34	-14.68/-14.34	-14.02/-13.56	-13.60/-13.12	-14.82/-15.58	-12.73/-12.99	-13.25/-11.78	-12.16/-11.84
Θ(7.5°)	-12.96/-12.59	-12.47/-10.97	-12.18/-12.25	-12.78/-11.15	-12.23/-11.55	-11.49/-11.95	-12.45/-12.46	-12.57/-13.19	-12.29/-13.34	-11.50/-11.53	-12.83/-13.15	-12.46/-11.72	-12.05/-13.72	-10.22/-11.78	-10.60/-10.41	-10.29/-10.34	-10.99/-10.75	-11.65/-11.48	-11.99/-12.55	-12.03/-13.25	-9.70/-11.57	-13.13/-10.10	-14.55/-12.82	
Θ(15°)	-12.93/-13.12	-13.51/-14.83	-13.51/-14.17	-14.35/-15.19	-13.00/-14.86	-13.63/-15.14	-14.91/-15.96	-15.87/-13.31	-12.57/-13.11	-11.60/-11.66	-13.93/-13.47	-15.20/-15.01	-13.75/-12.38	-10.47/-9.49	-11.83/-13.72	-12.58/-12.18	-12.26/-12.25	-12.43/-12.54	-12.47/-13.84	-11.19/-11.15	-9.33/-11.91	-11.38/-10.10	-13.82/-12.98	
Θ(22.5°)	-10.44/-10.64	-11.01/-12.58	-13.96/-14.99	-14.80/-13.52	-11.12/-10.14	-11.74/-13.07	-15.87/-14.76	-15.35/-14.84	-11.48/-10.44	-13.47/-15.48	-12.04/-12.56	-13.01/-9.67	-8.77/-9.71	-10.73/-11.13	-11.17/-8.86	-8.59/-6.55	-6.64/-9.41	-9.23/-9.00	-7.57/-6.85	-7.33/-7.72	-8.93/-9.20	-10.66/-11.71	-13.47/-11.24	-12.74/-13.63
Θ(30°)	-10.01/-8.04	-7.90/-5.33	-6.21/-7.42	-6.31/-4.74	-4.30/-4.71	-4.92/-2.57	-4.18/-3.25	-3.68/-5.19	-5.99/-6.58	-8.73/-9.86	-8.33/-8.65	-11.87/-11.43	-7.95/-8.88	-9.11/-9.28	-7.10/-6.39	-6.87/-6.31	-6.25/-7.12	-8.69/-8.89	-10.02/-10.71	-11.75/-8.20	-6.43/-7.83	-8.34/-10.04	-8.94/-7.60	-8.32/-8.71
Θ(37.5°)	-6.02/-5.66	-6.48/-8.00	-7.13/-6.43	-7.14/-8.95	-8.47/-6.58	-5.94/-6.53	-6.54/-8.10	-9.12/-9.15	-10.13/-7.19	-5.57/-7.40	-7.73/-4.84	-5.64/-4.88	-4.71/-8.82	-5.81/-5.12	-6.33/-11.64	-4.85/-4.19	-3.85/-4.50	-5.51/-5.86	-6.14/-5.21	-4.62/-7.61	-8.92/-6.59	-7.92/-6.57	-11.39/-6.32	-7.18/-5.61
Θ(45°)	-7.61/-8.33	-6.31/-9.15	-7.00/-4.73	-2.68/-2.63	-3.17/-4.21	-2.01/-2.12	-4.76/-5.08	-4.33/-4.77	-5.14/-7.82	-8.18/-8.27	-7.43/-7.44	-3.45/-6.19	-3.69/-4.67	-4.75/-3.50	-7.73/-3.61	-4.79/-2.44	-4.04/-3.01	-2.82/-4.32	-7.75/-4.43	-5.92/-6.91	-5.76/-6.30	-5.92/-6.91	-8.93/-3.70	-7.37/-6.61
Θ(52.5°)	-3.07/-5.89	-5.08/-4.96	-7.36/-3.37	-9.88/-10.11	-7.04/-9.90	-10.11/-8.36	-8.33/-11.79	-9.97/-9.19	-5.14/-4.17	-2.93/-3.02	-5.46/-4.44	-5.34/-5.24	-3.43/-6.76	-3.11/-2.67	-8.05/-3.99	-1.72/-4.00	-5.90/-1.94	-2.66/-2.42	-3.47/-6.42	-3.63/-4.58	-6.02/-5.61	-3.35/-3.98	-5.90/-5.35	-5.86/-7.52
Θ(60°)	-6.30/-5.91	-5.32/-4.96	-3.73/-3.74	-3.10/-0.47	-0.42/-1.24	2.45/-0.06	0.45/-0.26	-0.50/-5.08	-2.81/-3.45	-4.27/-4.31	-4.97/-2.92	-4.39/-2.10	-7.40/-3.11	-3.76/-3.27	-3.70/-3.22	-2.21/-3.12	-4.99/-3.71	-1.10/-0.91	-1.66/-3.13	-1.09/-3.06	-5.28/-2.89	-3.52/-4.40	-3.76/-5.78	-5.69/-4.10
Θ(67.5°)	-3.98/-4.78	-4.35/-3.90	-6.03/-5.09	-5.23/-6.05	-7.67/-10.13	-7.87/-10.13	-4.33/-5.08	-6.13/-3.52	-5.88/-2.93	-5.22/-5.84	-3.91/-3.71	-4.62/-6.51	-4.28/-2.76	-5.38/-2.55	-1.99/-1.02	-2.02/-0.97	-5.55/-2.41	-3.44/-2.24	-4.02/-2.99	-1.39/-3.65	-3.13/-3.63	-4.16/-3.90	-3.79/-4.06	-3.22/-4.74
Θ(75°)	-3.95/-6.11	-4.68/-3.91																						



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Appendix D

Θ(67.5°)	-0.60/-3.54	-2.02/-4.23	-1.65/-4.74	-1.74/-2.87	-3.19/-4.89	-6.67/-2.75	-1.70/-2.99	-4.35/-4.45	-2.01/-2.02	-1.47/-0.92	-0.73/-0.04	0.29/-0.31	-0.67/-0.67	-0.92/-0.44	-0.42/-1.20	-2.15/-1.78	-1.65/-1.78	-2.98/-1.42	-1.95/-2.39	-1.78/-1.27	-1.69/-0.77	-1.00/-2.30	-1.07/-3.03	-2.19/-1.77
Θ(75°)	-0.13/-0.06	0.80/-1.26	0.35/-0.90	-1.74/-3.74	-5.22/-2.94	-1.87/-2.37	-0.93/-3.83	-2.70/-3.72	-4.35/-2.76	-1.66/-0.10	-1.45/-1.20	-0.13/-0.12	-0.47/-0.41	0.45/-0.47	-0.34/-2.04	-2.67/-1.52	-2.32/-3.22	-1.70/-0.83	-1.34/-2.47	-1.09/-2.72	-2.20/-5.93	-3.51/-1.08	-0.24/-0.34	0.21/-1.40
Θ(82.5°)	-1.58/-2.68	-1.58/-1.93	-3.48/-2.03	-3.47/-6.05	-6.77/-5.46	-5.01/-1.95	-1.07/-5.59	-4.27/-2.75	-3.75/-2.73	-2.12/-1.30	0.12/-1.61	-1.16/-0.07	-1.59/-1.40	-1.31/-0.96	0.62/-2.32	-0.05/-3.47	-3.08/-1.43	-1.26/-4.25	-2.66/-2.09	-3.12/-2.97	-5.22/-1.16	-3.16/-0.77	-1.57/-3.38	-2.21/-0.81
Θ(90°)	0.11/-0.33	0.23/-0.05	-3.36/-0.57	-3.47/-3.76	-5.22/-3.45	-1.41/-4.42	-4.46/-2.61	-3.03/-2.86	-4.54/-3.85	-1.27/-2.28	-2.01/-4.07	-1.84/-0.38	-1.13/-0.17	-0.32/-0.28	1.08/-3.42	-0.04/-3.14	-2.58/-6.01	-2.53/-2.30	-1.11/-2.56	-2.88/-1.95	-4.40/-3.05	-8.06/-2.02	-3.18/-1.32	-1.55/-0.44
Θ(97.5°)	-1.59/-5.29	-2.81/-1.65	-4.79/-1.28	-5.44/-3.26	-4.79/-3.69	-2.33/-4.77	-5.30/-2.69	-3.43/-5.65	-4.79/-4.52	-1.34/-1.95	-1.16/-1.65	-0.68/-0.38	-0.76/-2.75	-3.34/-4.13	-5.10/-2.90	-1.31/-2.66	-0.87/-10.06	-5.93/-3.95	-3.71/-3.91	-2.53/-2.70	-2.16/-1.64	-3.19/-3.87	-5.65/-2.93	
Θ(105°)	-4.46/-5.62	-4.59/-4.75	-12.33/-1.17	-9.86/-6.13	-9.69/-7.51	-3.78/-4.92	-5.28/-3.38	-5.51/-7.01	-9.00/-3.03	-2.54/-0.00	-0.18/-3.05	-0.41/-2.88	-1.27/-2.63	-2.03/-0.80	-2.66/-4.16	-4.81/-2.67	-1.40/-4.13	-3.49/-4.33	-6.51/-4.33	-1.50/-2.80	-0.85/-0.29	-6.51/-7.23	-10.94/-4.51	
Θ(112.5°)	-4.70/-3.43	-4.79/-5.90	-8.51/-1.69	-7.48/-5.74	-11.77/-9.54	-6.51/-8.63	-2.44/-5.02	-9.59/-9.99	-10.29/-2.56	-1.54/-2.90	-5.86/-5.06	-2.95/-0.48	-2.05/-4.12	-1.75/-1.61	-3.66/-8.50	-2.88/-4.52	-2.30/-7.87	-2.23/-4.47	-8.70/-0.20	-9.15/-3.79	1.25/-3.61	-0.39/-0.44	-2.08/-8.79	-5.99/-1.20
Θ(120°)	-8.95/-5.66	-14.06/-6.17	-8.46/-9.76	-7.54/-10.76	-6.37/-9.52	-10.73/-13.45	-12.06/-9.86	-7.46/-11.26	-12.28/-8.17	-6.19/-4.97	-6.02/-6.22	-3.60/-5.94	-8.14/-7.17	-3.69/-5.78	-4.36/-4.72	-10.49/-9.06	-7.68/-6.60	-3.98/-10.71	-9.60/-3.70	-5.29/-4.44	-3.45/-4.78	-2.87/-7.70	-7.92/-14.84	-9.39/-7.70
Θ(127.5°)	-6.34/-8.57	-2.80/-5.83	-10.93/-12.16	-6.94/-9.92	-7.18/-6.31	-7.61/-7.15	-11.50/-11.70	-13.18/-7.88	-6.95/-8.47	-5.46/-9.57	-7.80/-7.68	-6.27/-4.68	-3.38/-7.56	-6.90/-3.89	-5.60/-5.21	-9.69/-5.45	-10.45/-5.63	-6.35/-6.29	-14.03/-7.71	-8.29/-3.82	-4.47/-4.71	-3.83/-6.22	-6.23/-6.40	-5.91/-5.64
Θ(135°)	-8.12/-5.78	-10.66/-10.94	-11.76/-9.53	-7.40/-9.93	-12.47/-10.51	-10.07/-8.64	-8.28/-6.34	-10.04/-12.25	-10.69/-8.86	-5.50/-6.10	-6.32/-7.59	-5.14/-4.43	-7.08/-3.87	-6.08/-9.46	-5.21/-7.97	-4.30/-8.19	-6.61/-3.34	-5.73/-9.11	-8.02/-8.40	-11.43/-4.01	-3.67/-6.02	-7.99/-8.89	-10.14/-9.06	-10.13/-11.16
Θ(142.5°)	-14.78/-10.42	-12.51/-8.97	-11.65/-14.51	-13.00/-10.86	-11.07/-11.24	-14.41/-10.58	-10.39/-11.75	-10.25/-15.15	-15.70/-15.33	-10.34/-12.99	-14.20/-12.67	-12.02/-12.26	-9.55/-12.71	-15.10/-14.81	-15.76/-12.22	-9.48/-10.77	-6.52/-4.53	-6.34/-12.31	-12.45/-13.81	-11.17/-9.85	-8.49/-9.62	-15.27/-14.08	-12.13/-15.72	-11.74/-12.37
Θ(150°)	-15.34/-14.19	-12.63/-13.49	-14.53/-15.19	-13.66/-15.19	-12.68/-8.74	-10.10/-12.13	-9.60/-10.98	-10.91/-11.53	-14.12/-12.69	-10.18/-11.75	-11.31/-8.28	-11.06/-10.34	-9.08/-11.47	-11.14/-9.07	-9.61/-10.40	-8.56/-7.75	-13.28/-15.52	-15.49/-15.24	-13.03/-12.10	-13.20/-15.15	-9.50/-10.29	-12.76/-12.93	-13.14/-12.20	
Θ(157.5°)	-11.71/-13.26	-15.20/-15.02	-15.33/-15.56	-15.01/-13.15	-11.53/-11.15	-10.33/-10.88	-9.77/-11.36	-13.84/-9.23	-7.76/-9.72	-8.47/-6.50	-5.98/-5.58	-6.59/-6.03	-6.43/-7.52	-7.88/-7.54	-7.32/-7.05	-6.23/-6.29	-5.73/-7.17	-9.07/-10.12	-11.07/-15.33	-15.63/-15.38	-14.02/-15.25	-12.41/-11.40	-12.79/-12.29	-9.86/-9.30
Θ(165°)	-11.60/-10.14	-8.66/-8.69	-8.88/-10.08	-6.84/-9.62	-10.14/-9.15	-9.21/-11.12	-9.81/-10.47	-12.88/-13.93	-15.28/-10.35	-8.25/-6.57	-5.91/-5.66	-7.34/-7.99	-8.83/-10.54	-9.96/-8.80	-6.86/-6.04	-6.43/-7.74	-13.56/-10.92	-8.94/-6.68	-11.45/-13.56	-11.40/-11.24	-14.20/-13.48	-15.37/-15.27	-14.60/-15.41	-14.54/-13.20
Θ(172.5°)	-14.95/-14.71	-14.90/-14.58	-15.33/-14.94	-14.43/-15.17	-13.13/-12.93	-11.78/-12.02	-12.06/-12.68	-14.73/-14.82	-15.08/-15.38	-14.98/-15.43	-13.37/-11.61	-11.28/-12.37	-11.77/-12.25	-12.31/-11.48	-11.29/-11.00	-10.78/-13.42	-14.52/-15.15	-15.39/-12.83	-15.54/-15.68	-15.61/-13.38	-13.63/-15.16	-14.53/-15.38	-15.37/-14.69	
Θ(180°)	-12.73/-12.55	-13.04/-12.13	-10.79/-11.38	-11.70/-12.78	-14.09/-14.52	-13.90/-12.51	-12.25/-11.25	-9.76/-9.68	-9.50/-9.89	-11.08/-12.16	-13.67/-14.05	-14.36/-13.46	-12.32/-12.40	-11.63/-12.25	-11.38/-12.50	-11.95/-13.85	-14.80/-15.59	-15.58/-15.08	-14.90/-15.87	-14.62/-14.90	-15.19/-14.76	-15.59/-15.27	-15.22/-16.02	-16.32/-13.59
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°)	-15.12/-12.84	-15.01/-14.19	-15.17/-14.86	-15.73/-15.30	-15.49/-15.07	-15.53/-15.63	-15.70/-15.29	-15.12/-15.28	-15.57/-15.48	-15.66/-15.68	-15.05/-15.10	-15.73/-14.42	-15.63/-14.79	-15.51/-15.55	-15.69/-15.49	-13.21/-15.70	-16.09/-13.57	-14.74/-14.99	-14.50/-13.95	-14.51/-13.95	-14.84/-14.78	-14.68/-15.10	-14.34/-14.35	-15.88/-13.75
Θ(7.5°)	-12.54/-11.80	-11.86/-11.70	-12.31/-12.27	-12.11/-12.43	-12.90/-13.69	-13.49/-13.26	-12.76/-11.90	-11.47/-10.72	-10.34/-11.01	-11.32/-12.99	-12.87/-12.57	-13.07/-12.48	-12.23/-12.84	-12.81/-13.16	-14.69/-14.98	-16.06/-14.94	-15.15/-15.13	-15.60/-16.11	-15.74/-15.50	-15.32/-15.11	-14.98/-14.85	-15.54/-14.08	-13.56/-12.65	-12.25/-12.23
Θ(15°)	-15.23/-15.45	-12.72/-12.13	-10.67/-9.47	-9.20/-11.23	-11.24/-9.92	-10.60/-9.47	-9.20/-11.13	-11.51/-10.81	-11.09/-11.98	-13.07/-13.06	-13.66/-12.84	-13.55/-14.98	-16.19/-15.86	-16.93/-13.37	-15.20/-15.33	-16.04/-12.92	-14.52/-15.15	-15.39/-12.83	-15.54/-15.68	-15.61/-13.38	-13.63/-15.16	-14.53/-15.38	-15.37/-14.69	
Θ(22.5°)	-10.30/-8.54	-9.02/-9.44	-10.54/-13.35	-13.55/-15.11	-12.24/-9.21	-9.86/-11.05	-8.90/-9.10	-9.53/-8.79	-7.87/-6.41	-6.52/-7.75	-8.25/-6.92	-5.27/-4.96	-5.01/-6.08	-8.08/-10.26	-10.07/-10.68	-10.58/-9.06	-10.27/-11.15	-12.31/-12.18	-11.84/-12.20	-13.11/-14.91	-15.98/-14.71	-14.93/-15.85	-14.43/-15.27	-14.88/-14.97
Θ(30°)	-5.47/-5.47	-4.19/-3.05	-3.83/-0.43	-4.71/-5.72	-4.91/-5.75	-5.92/-7.59	-8.39/-6.56	-5.88/-5.97	-6.49/-4.79	-5.22/-7.72	-6.77/-7.72	-8.21/-7.97	-8.84/-9.79	-10.38/-8.00	-8.27/-9.03	-8.37/-7.07	-8.76/-8.78	-10.60/-8.04	-10.72/-10.81	-7.27/-7.11	-7.84/-7.26	-6.53/-6.56	-4.66/-3.44	-5.92/-5.83
Θ(37.5°)	-4.40/-4.55	-6.16/-7.32	-10.20/-7.20	-4.21/-6.24	-6.04/-5.24	-5.51/-4.69	-6.16/-5.66	-6.93/-5.28	-7.36/-5.28	-5.34/-5.25	-4.30/-4.27	-5.68/-4.57	-6.46/-6.17	-8.79/-7.94	-6.58/-5.72	-9.37/-5.27	-11.21/-5.83	-5.59/-4.80	-5.30/-6.45	-5.39/-8.59	-9.10/-5.27			
Θ(45°)	-1.01/-1.96	-2.92/-3.35	-3.02/-2.58	-3.04/-4.39	-4.85/-5.90	-7.61/-5.76	-7.39/-4.74	-5.11/-4.03	-4.20/-5.34	-3.13/-5.85	-5.73/-4.75	-2.66/-2.89	-3.23/-3.84	-4.04/-5.74	-3.78/-7.99	-5.79/-8.51	-5.21/-4.46	-6.74/-5.19	-7.31/-5.28	-6.71/-6.34	-7.30/-7.99	-6.67/-5.97	-6.55/-3.43	-3.01/-3.42
Θ(52.5°)	-11.96/-10.59	-12.01/-7.97	-5.06/-7.05	-3.87/-4.99	-4.89/-5.48	-4.55/-5.22	-4.08/-5.67	-4.34/-4.27	-3.25/-2.71	-4.84/-2.98	-5.65/-4.92	-4.88/-4.37	-2.98/-6.14	-3.94/-4.01	-4.16/-6.23	-6.05/-6.22	-4.11/-3.09	-4.98/-5.14	-5.52/-6.24	-5.87/-5.88	-3.44/-4.11	-2.99/-3.67	-6.31/-9.14	-14.62/-13.75
Θ(60°)	0.95/-1.67	0.810/-2.37	-0.38/-0.66	-4.54/-3.83	-2.67/-2.56	-2.67/-3.25	-3.79/-4.23	-2.62/-4.38	-3.20/-1.42	-3.74/-2.66	-3.34/-2.16	-1.62/-1.00	-2.51/-2.28	-1.42/-3.39	-3.15/-2.95	-3.08/-2.12	-3.15/-4.07	-5.10/-4.87	-5.59/-4.31	-2.99/-3.67				
Θ(67.5°)	-3.17/-6.18	-5.78/-6.65	-4.75/-5.84	-2.85/-4.13	-4.57/-6.02	-3.76/-4.01	-4.16/-5.54	-3.34/-3.64	-2.80/-2.47	-1.69/-3.48	-1.94/-3.58	-2.07/-2.12	-3.50/-3.24	-1.92/-1.11	-1.55/-2.77	-1.79/-3.16	-2.23/-3.15	-5.20/-3.76	-4.01/-3.28	-4.48/-5.10	-1.88/-1.77	-0.51/-1.80	-2.92/-5.83	-6.92/-5.41
Θ(75°)	-1.84/-2.30	-0.74/-3.69	0.23/-2.81	-3.88/-5.17	-4.18/-3.17	-6.14/-4.45	-5.40/-5.38	-3.55/-3.82	-3.19/-3.01	-1.34/-0.95	-2.57/-1.28	-1.34/-3.00	0.48/-1.47	-1.97/-1.79	-2.83/-1.03	-1.08/-5.20	-1.14/-3.79	-3.34/-5.37	-3.66/-2.70	-3.30/-3.31	-2.51/-3.20	-4.24/-3.79	-2.04/-0.89	-0.66/-2.05
Θ(82.5°)	-1.82/-3.02	-2.42/-6.30	-2.09/-4.86	-4.46/-4.92	-6.99/-6.96	-3.98/-3.85	-3.56/-4.70	-3.59/-4.50	-4.45/-3.14	-2.01/-0.72	-4.55/-0.82	-0.69/-2.35	-0.88/-0.39	-0.79/-2.49	-1.69/-0.34	-3.41/-5.09	-1.44/-4.60	-1.77/-4.69	-8.70/-3.41	-6.72/-6.02	-3.84/-5.01	-4.06/-1.98	-1.62/-4.98	-3.55/-2.03
Θ(90°)	-1.44/-3.03	-2.27/-2.01	-2.17/-1.99	-5.28/-4.84	-6.43/-5.23	-6.08/-7.54	-6.23/-5.52	-3.92/-4.50	-4.58/-2.61	-2.38/-0.13	-2.94/-0.86	0.05/-0.92	-1.60/-0.54	-0.37/-2.21	-2.00/-2.38	-1.94/-2.19	-1.48/-2.57	-4.63/-1.62	-8.73/-2.99	-5.39/-5.58	-3.28/-5.12	-8.11/-3.04	-4.51/-4.29	-2.83/-0.11
Θ(97.5°)	-3.90/-5.55	-2.12/-2.27	-2.20/-3.57	-6.91/-5.60	-6.09/-7.10	-5.65/-6.96	-3.04/-9.91	-4.44/-8.04	-3.91/-3.58	-3.00/-1.64	-4.81/-2.08	-1.93/-0.87	-2.17/-0.52	-1.32/-1.58	-3.12/-1.69	-2.86/-5.65	-6.03/-3.51	-5.69/-2.79	-4.72/-4.88	-5.21/-5.95	-3.93/-4.47	-1.82/-0.15	-3.53/-4.00	-5.23/-3.26
Θ(105°)	-3.93/-10.40	-5.01/-6.14	-11.82/-2.82	-5.83/-8.19	-7.56/-8.27	-7.03/-7.37	-9.93/-7.04	-5.12/-6.82	-8.52/-5.35	-3.72/-6.21	-0.23/-0.88	-3.51/-0.65	-4.78/-3.51	-3.33/-2.10	-3.15/-3.54	-2.04/-7.34	-6.78/-7.97	-9.61/-3.42	-3.66/-5.43	-3.10/-5.14	-3.37/-1.31	-5.50/-6.94	-14.61/-5.01	
Θ(112.5°)	-4.63/-5.99	-6.72/-5.45	-15.59/-3.10	-7.73/-8.85	-9.47/-6.36	-7.92/-6.63	-4.92/-7.59	-7.60/-4.66	-6.04/-4.28	-3.71/-2.42	-3.56/-4.87	-1.38/-5.40	-3.90/-3.33	-7.02/-2.40	-4.22/-2.18	-2.61/-8.01	-7.47/-6.91	-7.09/-5.71	-6.46/-7.48	-5.27/-4.53	0.51/-3.21	-2.31/-0.02	-5.93/-8.15	-17.21/-1.29
Θ(120°)	-5.86/-8.25	-1.46/-7.55	-15.36/-7.67	-12.07/-11.99																				



Antenna Pattern_6GHz U-NII 1~3

Appendix D

Θ(120°)	-7.54/-8.66	-14.80/-5.03	-5.21/-6.46	-7.67/-5.60	-6.60/-6.65	-5.18/-6.10	-6.93/-6.42	-9.59/-4.72	-7.20/-7.13	-5.13/-9.60	-4.56/-0.71	-4.41/-3.57	-2.39/-3.23	-3.24/-6.09	-7.68/-8.01	-5.33/-7.76	-9.56/-13.29	-12.27/-11.77	-9.44/-6.86	-6.31/-5.68	-8.78/-14.01	-8.53/-13.07	-9.66/-8.37	-6.63/-8.19
Θ(127.5°)	-6.64/-9.99	-4.73/-5.63	-5.30/-2.74	-6.71/-8.34	-7.10/-4.46	-9.01/-5.11	-4.27/-7.92	-7.45/-7.84	-9.91/-8.81	-8.44/-4.50	-7.89/-6.20	-6.74/-7.40	-6.30/-4.22	-5.16/-9.25	-8.62/-3.25	-4.59/-4.31	-7.83/-8.02	-5.10/-13.96	-8.53/-6.10	-6.49/-9.83	-6.47/-13.23	-6.04/-6.52	-11.44/-5.75	-6.55/-6.04
Θ(135°)	-12.82/-9.94	-11.75/-5.63	-5.40/-4.91	-4.84/-6.68	-7.53/-7.72	-12.52/-8.16	-7.31/-7.82	-7.53/-8.85	-6.51/-7.70	-7.53/-6.03	-4.33/-4.25	-4.63/-5.98	-5.69/-4.09	-4.78/-4.79	-5.10/-4.26	-7.11/-5.52	-11.02/-3.74	-5.44/-9.90	-9.41/-8.93	-8.08/-9.69	-3.25/-13.79	-13.56/-13.22	-13.41/-9.96	-10.59/-11.70
Θ(142.5°)	-9.91/-16.15	-12.16/-12.20	-15.23/-9.96	-9.03/-8.30	-7.93/-12.33	-12.42/-12.93	-10.97/-7.53	-9.65/-10.08	-9.78/-10.62	-13.30/-11.79	-12.11/-12.21	-10.11/-11.49	-13.66/-12.78	-9.34/-10.43	-9.89/-15.04	-9.53/-10.81	-11.82/-6.11	-7.86/-10.25	-11.08/-15.36	-10.76/-12.82	-11.59/-12.66	-9.79/-11.03	-13.94/-14.90	-15.39/-11.34
Θ(150°)	-11.93/-12.28	-9.75/-10.98	-8.99/-15.28	-15.05/-11.50	-9.90/-8.22	-12.04/-14.52	-11.80/-10.10	-11.84/-9.40	-7.13/-7.56	-9.54/-9.75	-10.05/-10.23	-10.13/-12.06	-13.37/-9.72	-6.12/-10.70	-9.93/-9.59	-10.85/-8.30	-7.79/-12.29	-9.92/-11.94	-12.00/-10.61	-14.86/-12.19	-14.57/-15.45	-12.26/-10.06	-13.58/-15.84	-16.01/-15.34
Θ(157.5°)	-11.92/-12.21	-11.25/-10.70	-9.24/-10.94	-9.22/-10.16	-13.58/-11.94	-11.53/-9.47	-8.86/-10.24	-9.69/-10.44	-8.39/-5.83	-6.05/-6.08	-7.08/-7.08	-6.07/-5.43	-5.78/-5.67	-5.82/-4.79	-5.58/-7.80	-8.51/-8.36	-6.93/-8.24	-10.94/-13.04	-15.15/-15.15	-15.45/-13.28	-11.26/-12.22	-15.34/-15.61	-15.42/-15.23	-12.39/-12.88
Θ(165°)	-13.62/-11.75	-13.12/-14.41	-15.82/-13.07	-10.74/-11.64	-12.41/-12.97	-14.18/-11.70	-8.10/-6.65	-7.23/-6.57	-6.81/-5.78	-6.57/-6.56	-6.83/-7.24	-6.09/-5.55	-5.09/-5.99	-6.86/-7.31	-9.31/-8.86	-8.21/-6.93	-10.82/-15.93	-15.51/-15.28	-14.25/-12.30	-13.10/-13.34	-14.99/-13.82	-15.54/-14.28	-14.37/-13.64	-14.79/-15.00
Θ(172.5°)	-15.95/-15.58	-14.34/-13.77	-13.91/-14.93	-12.17/-11.78	-10.80/-10.16	-10.03/-9.61	-10.09/-9.98	-10.24/-11.77	-12.53/-12.08	-12.95/-11.85	-12.27/-12.01	-11.44/-11.28	-10.29/-9.98	-10.62/-11.78	-11.21/-11.15	-12.63/-14.68	-15.61/-14.59	-15.27/-14.72	-13.34/-14.13	-13.73/-15.15	-13.66/-15.02	-13.65/-15.65	-15.41/-15.82	-15.69/-15.75
Θ(180°)	-15.05/-15.20	-13.63/-14.38	-15.70/-15.16	-15.17/-15.70	-15.98/-14.71	-15.33/-15.77	-15.54/-15.50	-15.45/-15.41	-15.32/-15.57	-15.08/-14.40	-14.47/-14.76	-14.00/-15.87	-15.41/-15.48	-15.64/-15.61	-15.15/-14.68	-14.62/-13.48	-14.22/-14.92	-14.31/-16.02	-15.76/-14.83	-14.43/-13.17	-12.85/-12.89	-15.84/-14.16	-15.46/-15.43	-13.86/-14.08
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°)	-14.19/-13.78	-13.30/-14.99	-13.51/-12.56	-14.09/-14.14	-14.11/-14.48	-14.84/-15.69	-16.06/-14.60	-12.49/-14.35	-15.58/-14.72	-14.69/-13.33	-14.70/-13.19	-13.92/-14.68	-13.89/-14.81	-13.74/-12.05	-14.76/-13.02	-15.84/-14.66	-14.60/-14.57	-15.06/-14.85	-13.30/-13.39	-13.77/-14.21	-13.21/-14.11	-12.89/-13.88	-13.89/-12.77	-13.51/-13.44
Θ(7.5°)	-13.74/-12.83	-12.88/-12.58	-13.62/-13.60	-12.52/-12.91	-12.45/-13.48	-13.33/-14.16	-12.81/-12.40	-12.82/-14.46	-14.28/-13.23	-14.03/-13.97	-13.27/-13.98	-12.32/-13.08	-13.00/-14.13	-14.33/-12.77	-14.83/-12.10	-13.61/-14.38	-10.94/-10.14	-10.06/-11.44	-13.93/-12.79	-13.59/-12.49	-14.34/-15.53	-15.80/-15.94	-14.76/-15.04	-14.29/-13.71
Θ(15°)	-11.74/-12.44	-12.30/-10.23	-11.92/-10.54	-10.81/-10.25	-9.23/-10.10	-10.37/-9.02	-7.83/-8.19	-9.71/-11.23	-11.08/-9.77	-9.71/-9.19	-9.04/-9.63	-9.81/-10.65	-11.00/-11.50	-11.60/-9.70	-8.36/-10.01	-11.43/-12.76	-11.26/-11.84	-11.12/-10.56	-11.08/-12.91	-13.88/-11.17	-14.24/-15.03	-11.37/-10.81	-9.53/-10.18	-9.78/-11.22
Θ(22.5°)	-15.18/-15.45	-12.92/-12.00	-12.30/-13.11	-11.23/-11.05	-9.69/-10.94	-11.68/-10.45	-10.21/-12.06	-11.07/-7.99	-7.87/-9.42	-10.35/-8.98	-9.99/-7.61	-6.63/-7.34	-6.95/-9.10	-11.00/-10.30	-8.19/-8.72	-11.64/-12.58	-10.47/-12.00	-15.52/-14.25	-14.31/-13.86	-15.76/-15.34	-16.43/-15.13	-14.31/-13.52	-16.43/-15.13	-14.31/-13.52
Θ(30°)	-5.01/-3.95	-4.34/-6.14	-5.49/-5.01	-8.18/-8.55	-8.63/-7.12	-8.55/-10.37	-11.47/-10.63	-9.16/-9.75	-10.90/-9.34	-7.12/-6.65	-6.94/-6.70	-6.96/-8.00	-6.42/-5.74	-8.19/-8.50	-6.85/-8.75	-9.13/-8.43	-8.83/-8.24	-10.34/-8.61	-12.13/-7.99	-5.92/-5.38	-4.68/-4.21	-3.25/-3.50	-4.02/-3.27	-3.58/-4.93
Θ(37.5°)	-6.96/-5.18	-5.75/-8.14	-5.13/-5.94	-3.31/-4.26	-5.50/-6.33	-5.51/-7.23	-6.72/-5.63	-6.52/-8.42	-9.55/-10.21	-7.47/-6.12	-6.91/-6.72	-5.65/-5.74	-6.66/-8.43	-6.65/-8.38	-5.93/-5.19	-8.43/-6.89	-6.86/-6.89	-4.55/-6.04	-4.87/-3.87	-4.84/-6.00	-6.96/-5.07	-7.56/-8.17	-4.72/-4.81	-6.55/-5.71
Θ(45°)	-4.36/-6.19	-6.15/-2.40	-3.26/-4.93	-7.63/-8.19	-4.60/-4.43	-4.95/-5.06	-3.90/-4.39	-4.64/-4.64	-5.77/-6.80	-7.17/-5.22	-3.41/-2.07	-2.20/-4.58	-4.79/-4.64	-3.11/-5.14	-4.38/-3.82	-4.61/-5.24	-3.43/-6.05	-5.75/-6.22	-7.02/-7.78	-8.22/-6.74	-5.38/-5.11	-4.98/-3.96	-1.99/-1.83	-2.97/-4.62
Θ(52.5°)	-7.47/-4.57	-3.21/-6.28	-4.88/-3.48	-2.76/-6.03	-5.15/-4.19	-5.85/-3.59	-6.34/-5.15	-5.89/-3.11	-3.38/-3.77	-3.62/-3.43	-2.53/-2.54	-1.33/-1.80	-1.69/-1.22	-1.40/-3.88	-4.23/-3.38	-3.42/-5.95	-3.69/-5.27	-7.02/-5.02	-5.71/-4.27	-4.86/-4.10	-5.41/-4.86	-5.24/-4.26	-7.36/-7.16	-5.56/-4.14
Θ(60°)	1.10/-0.51	-0.24/-0.01	-3.70/-3.47	-4.81/-4.20	-2.47/-2.52	-1.59/-1.96	-3.45/-3.58	-7.30/-3.32	-3.01/-4.00	-4.29/-4.43	-2.97/-3.68	-2.06/-2.10	-3.16/-1.64	-2.85/-4.99	-5.66/-2.95	-2.67/-3.40	-2.22/-3.72	-4.88/-6.30	-6.58/-3.83	-5.14/-4.88	-2.22/-2.00	-1.87/-0.68	0.320.93	1.480.39
Θ(67.5°)	-4.62/-0.44	-3.91/-3.82	-1.95/-2.17	-5.39/-2.34	-2.82/-4.16	-3.71/-3.97	-1.90/-3.36	-3.68/-3.94	-1.51/-1.31	-2.04/-1.96	-2.44/-5.08	-2.74/-5.87	-3.49/-3.62	-0.52/-2.42	-1.50/-0.41	-1.39/-2.12	-1.62/-2.44	-3.79/-6.41	-4.82/-7.00	-4.26/-3.48	-6.63/-6.42	-6.37/-3.83	-2.43/-3.97	-7.98/-5.77
Θ(75°)	-1.15/-1.32	-2.45/-1.82	-3.96/-7.83	-1.05/-4.14	-4.19/-4.61	-3.45/-3.28	-3.70/-4.21	-5.58/-9.11	-4.45/-1.13	-2.31/-1.44	-0.87/-0.87	1.42/-0.18	-0.70/-0.00	-0.01/-0.26	-2.08/-0.71	-3.83/-3.71	-4.01/-6.14	-3.56/-2.65	-6.24/-2.45	-5.25/-5.52	-2.28/-0.68	0.40/-0.28	-1.34/-3.92	-0.65/-0.48
Θ(82.5°)	-2.47/-4.88	-0.87/-3.21	-2.11/-1.12	-0.86/-3.34	-3.31/-4.94	-5.17/-3.86	-3.43/-5.19	-3.44/-1.96	-4.88/-2.69	-1.75/-1.14	-3.21/-1.79	-0.23/-0.32	-3.06/-1.91	-2.78/-4.52	-2.16/-1.91	-4.46/-5.78	-4.82/-3.29	-9.91/-2.92	-5.28/-7.31	-1.58/-5.36	-3.12/-6.48	-6.23/-4.55	-1.14/-2.10	-1.39/-15.82
Θ(90°)	-0.99/-3.11	-2.20/-2.46	-6.05/-5.15	-4.40/-5.91	-5.04/-7.15	-5.26/-4.05	-2.19/-6.22	-2.73/-1.83	-3.09/-0.53	-2.72/-0.08	-0.77/-0.50	0.17/-0.92	-0.27/-0.48	0.38/-0.61	-1.94/-0.99	-0.95/-4.60	-6.86/-6.18	-2.43/-3.61	-4.36/-8.28	-2.49/-14.72	-9.84/-4.21	-7.80/-2.43	-0.82/-5.38	-0.48/-1.60
Θ(97.5°)	-1.30/-3.21	-0.37/-1.73	-2.77/-1.72	-2.26/-5.82	-3.83/-9.73	-7.48/-5.51	-3.98/-5.57	-5.92/-3.09	-5.09/-1.41	-4.12/-1.96	-3.54/-1.99	0.01/-1.13	-3.28/-0.55	0.07/-3.87	-3.06/-1.56	-1.73/-4.82	-6.34/-6.49	-6.27/-14.4	-6.43/-4.79	-2.32/-4.12	-3.50/-1.09	-2.70/-2.91	-2.99/-4.72	-0.77/-2.27
Θ(105°)	-6.45/-11.03	-3.98/-5.02	-6.10/-7.45	-6.62/-4.69	-2.78/-7.67	-6.07/-7.81	-6.91/-5.52	-4.52/-4.47	-2.66/-2.72	-6.28/-1.35	-0.51/-3.70	-0.47/-1.63	-4.09/-1.18	0.40/-3.59	-2.59/-2.34	-2.92/-3.74	-7.90/-3.82	-7.67/-4.42	-1.91/-8.80	-1.18/-4.97	-8.97/-4.59	-10.84/-9.01	-11.39/-11.04	-6.48/-5.93
Θ(112.5°)	-6.34/-5.48	-3.75/-4.27	-4.84/-9.88	-13.23/-4.33	-3.10/-11.79	-7.18/-6.35	-3.84/-11.80	-4.65/-4.95	-4.85/-1.94	-2.86/-3.42	-4.15/-1.85	-0.86/-1.91	-3.70/-1.41	-0.56/-4.94	-5.88/-1.44	0.54/-2.69	-7.21/-5.32	-5.43/-6.49	-4.95/-10.45	-7.69/-3.87	-3.86/-5.35	-5.09/-4.07	-3.09/-6.06	-2.99/-6.90
Θ(120°)	-11.43/-10.30	-8.29/-6.84	-5.72/-9.00	-12.18/-3.86	-5.71/-8.32	-8.97/-5.34	-11.30/-9.37	-6.51/-6.85	-7.39/-6.61	-4.34/-7.91	-3.68/-4.85	-2.74/-3.21	-5.65/-3.42	-2.49/-3.47	-6.98/-2.60	-2.84/-8.33	-9.99/-7.81	-10.08/-9.96	-6.99/-5.57	-9.34/-14.39	-15.64/-12.42	-8.17/-9.97	-7.30/-8.25	-11.60/-10.63
Θ(127.5°)	-6.33/-12.26	-7.47/-5.69	-7.56/-4.63	-5.81/-7.82	-6.04/-6.41	-5.81/-7.82	-6.69/-5.51	-7.47/-5.63	-4.99/-6.29	-7.79/-7.35	-7.81/-7.65	-4.65/-4.20	-6.21/-6.49	-8.54/-4.63	-8.09/-7.39	-6.28/-5.86	-6.07/-3.32	-7.27/-11.57	-7.32/-14.05	-8.34/-8.91	-6.00/-13.87	-8.11/-12.46	-6.70/-5.53	-10.66/-7.11
Θ(135°)	-11.87/-11.93	-9.31/-7.33	-6.15/-5.32	-6.32/-9.95	-10.61/-7.46	-14.74/-11.18	-6.89/-6.17	-6.62/-8.53	-6.59/-6.65	-7.65/-5.93	-5.28/-6.48	-5.95/-5.11	-4.83/-5.33	-4.16/-6.21	-3.86/-4.11	-7.99/-3.84	-7.06/-7.69	-9.26/-5.86	-8.90/-9.88	-11.38/-6.61	-4.44/-9.19	-11.09/-11.20	-14.98/-8.55	-9.01/-10.12
Θ(142.5°)	-12.96/-15.76	-14.15/-11.58	-11.70/-10.08	-9.91/-10.05	-12.67/-10.06	-14.75/-11.87	-10.39/-10.67	-10.97/-12.23	-10.13/-3.87	-10.67/-8.20	-8.75/-7.34	-7.66/-7.13	-7.09/-8.27	-13.82/-11.36	-12.11/-10.73	-12.76/-11.60	-13.47/-6.15	-6.80/-6.33	-9.46/-9.82	-15.36/-11.60	-9.40/-13.01	-8.44/-10.43	-14.39/-14.84	-11.60/-10.63
Θ(150°)	-15.37/-10.38	-9.60/-9.62	-13.21/-10.58	-11.75/-10.05	-8.91/-11.01	-14.11/-10.60	-8.97/-10.68	-8.28/-4.34	-7.77/-10.60	-11.18/-10.80	-13.76/-11.93	-11.39/-11.81	-12.85/-10.89	-8.12/-7.28	-5.17/-8.92	-8.50/-8.13	-6.17/-7.43	-8.95/-7.49	-14.87/-12.39	-14.34/-13.66	-13.95/-15.19	-11.71/-12.05	-14.50/-15.33	-14.81/-15.67
Θ(157.5°)	-12.16/-13.38	-10.64/-10.90	-12.87/-10.95	-10.65/-13.28	-11.43/-10.54	-9.37/-9.86	-11.82/-11.15	-10.86/-8.22	-6.71/-6.46	-6.95/-6.11	-6.93/-5.64	-4.86/-4.39	-4.25/-4.40	-4.29/-5.93	-6.27/-4.55	-7.21/-7.52	-5.75/-8.18	-10.85/-12.84	-15.80/-15.48	-14.71/-14.58	-13.04/-14.02	-16.04/-14.74	-15.11/-14.16	-10.87/-11.34
Θ(165°)	-13.64/-14.42	-15.34/-15.39	-12.66/-13.07	-12.92/-13.03	-14.07/-14.34	-11.00/-9.41	-8.64/-9.05	-7.97/-6.73	-7.92/-7.77	-7.89/-7.19	-6.02/-6.11	-5.88/-5.71	-5.12/-4.											

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

