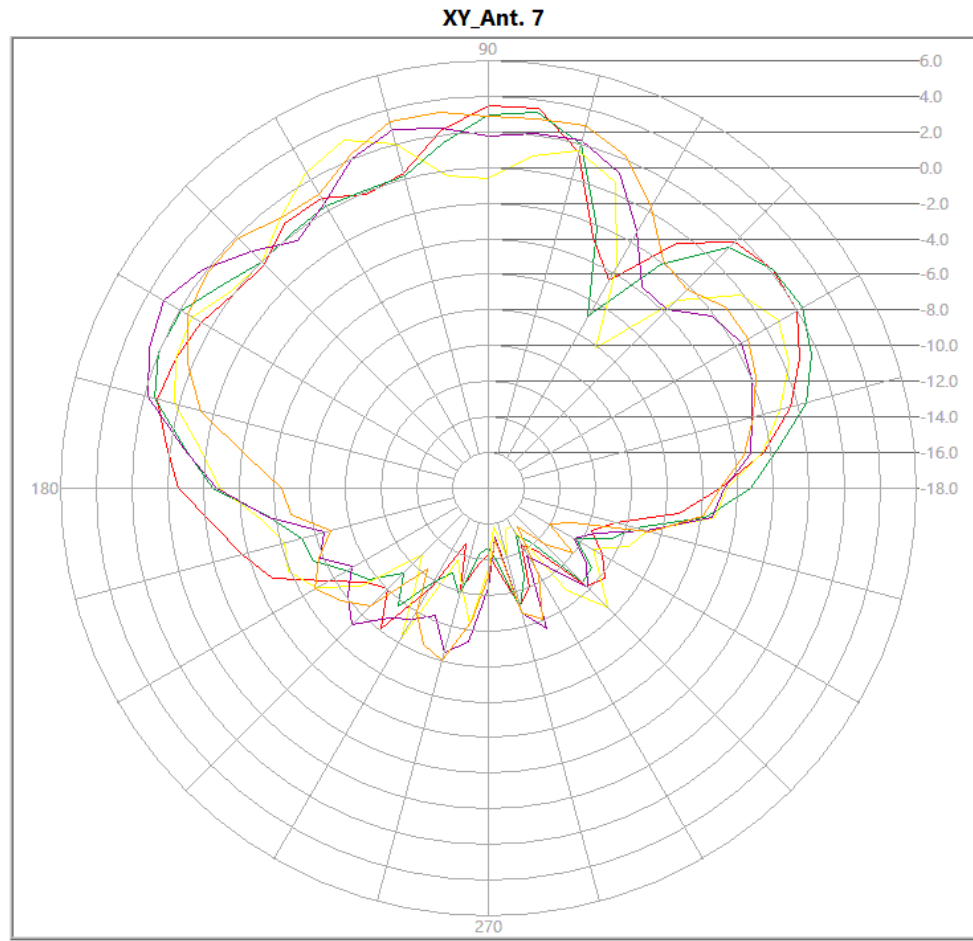
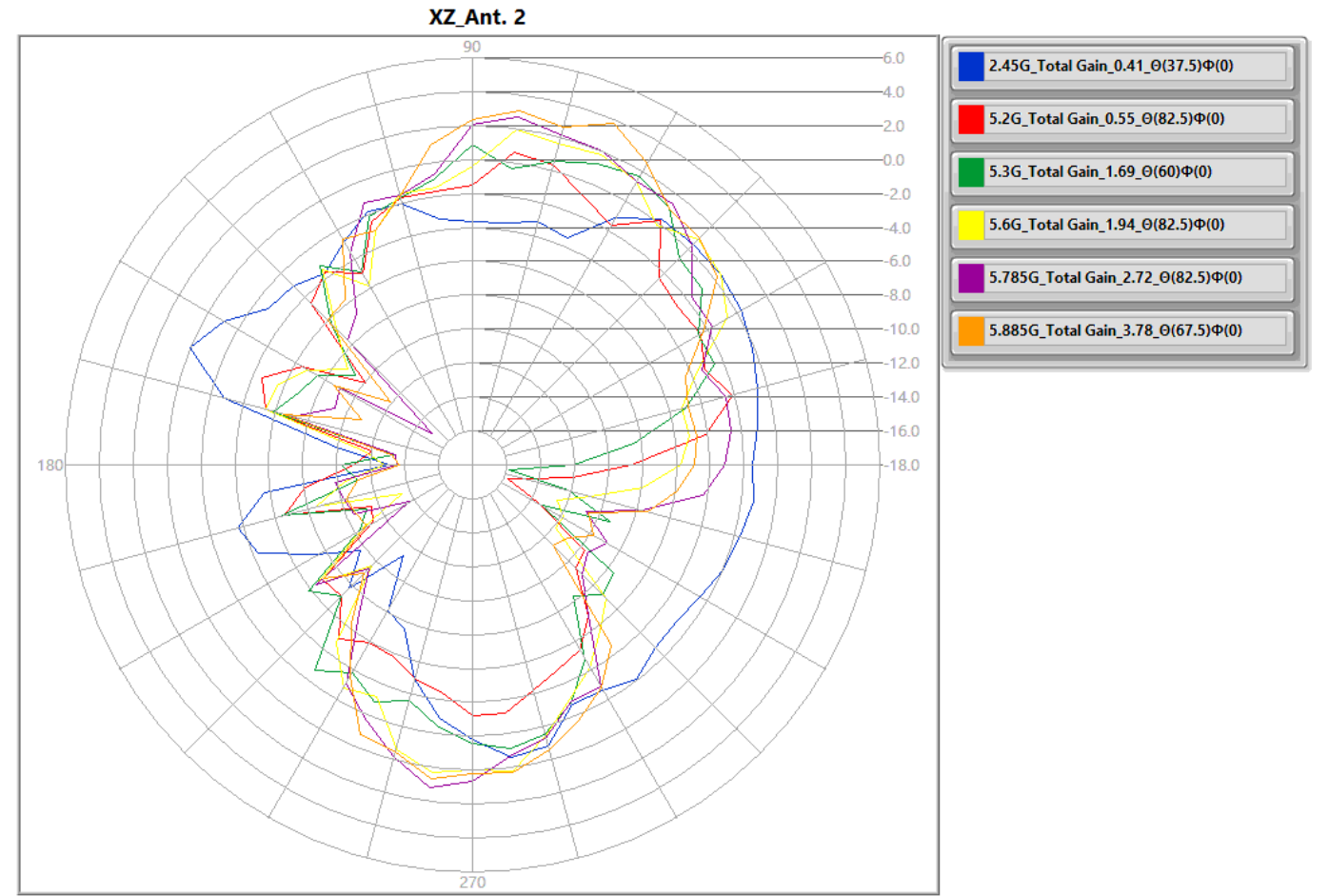
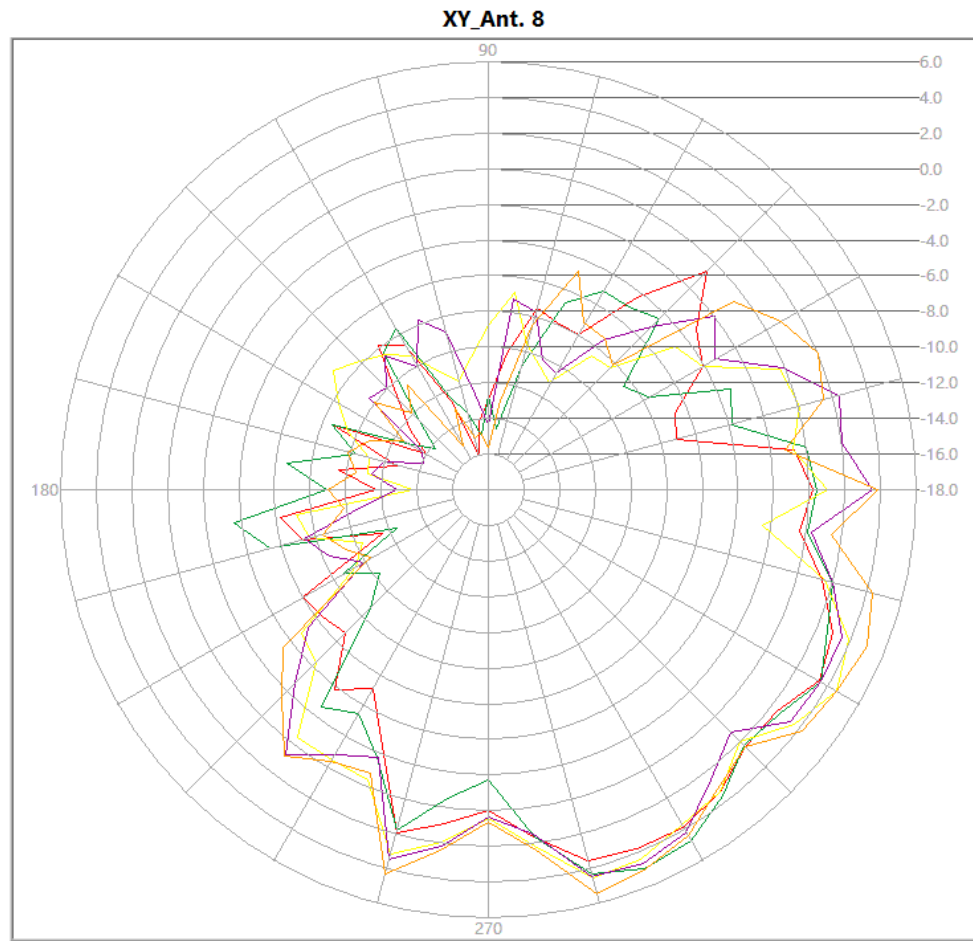
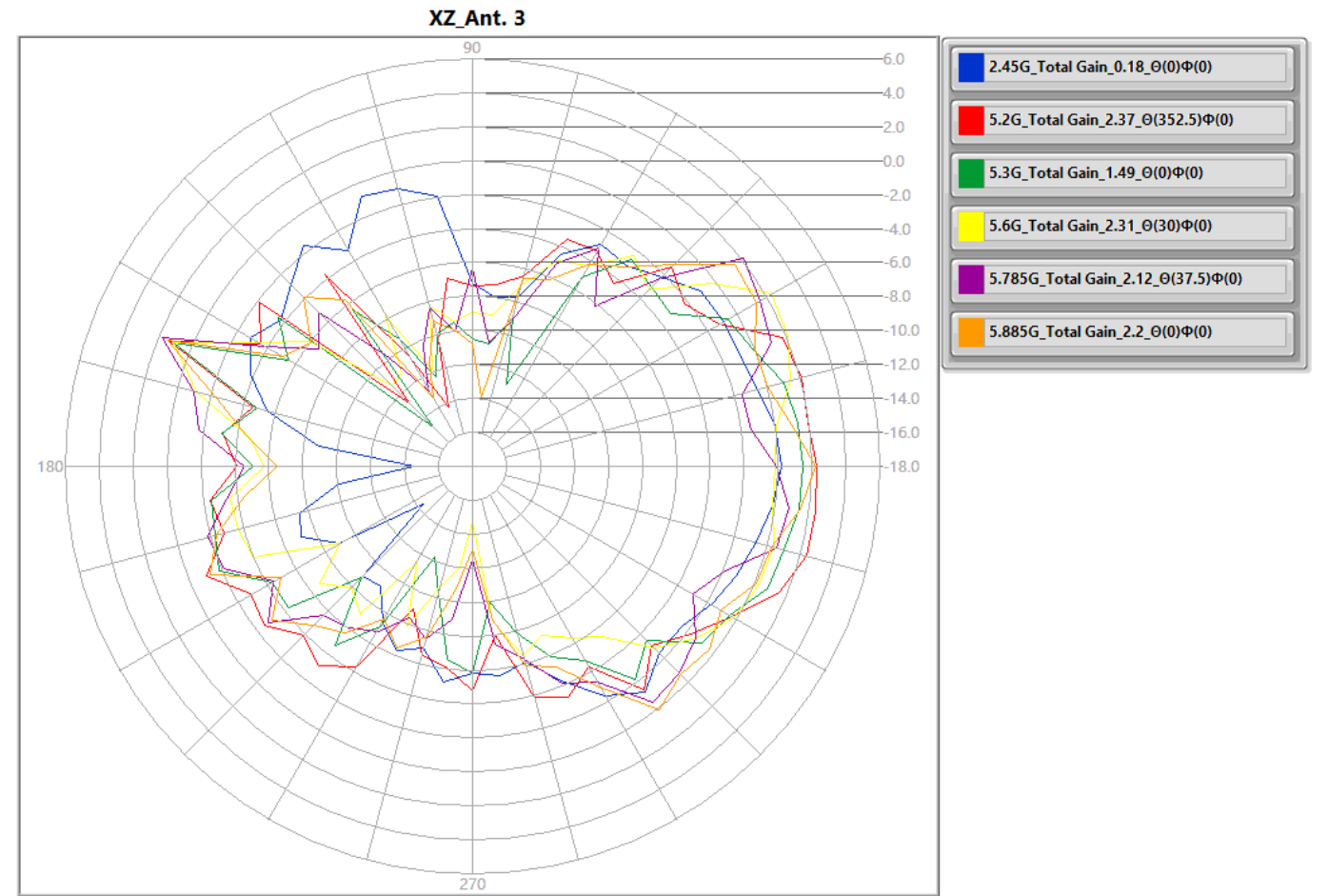
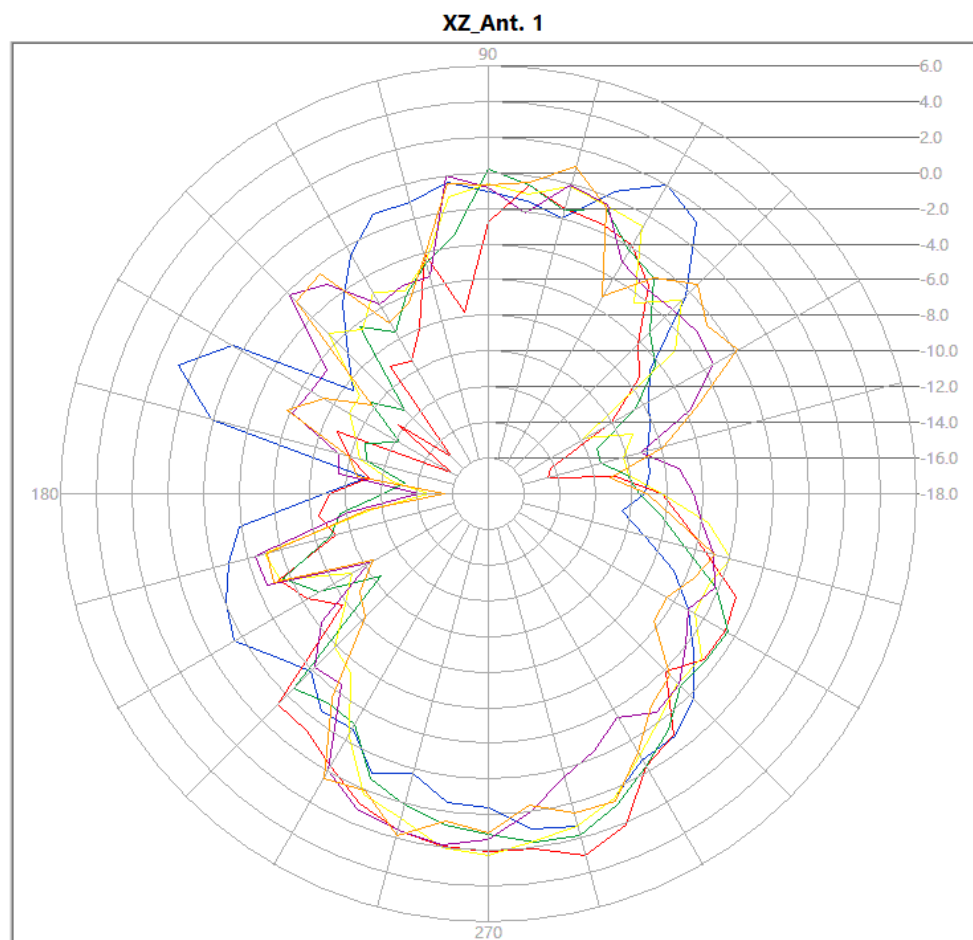
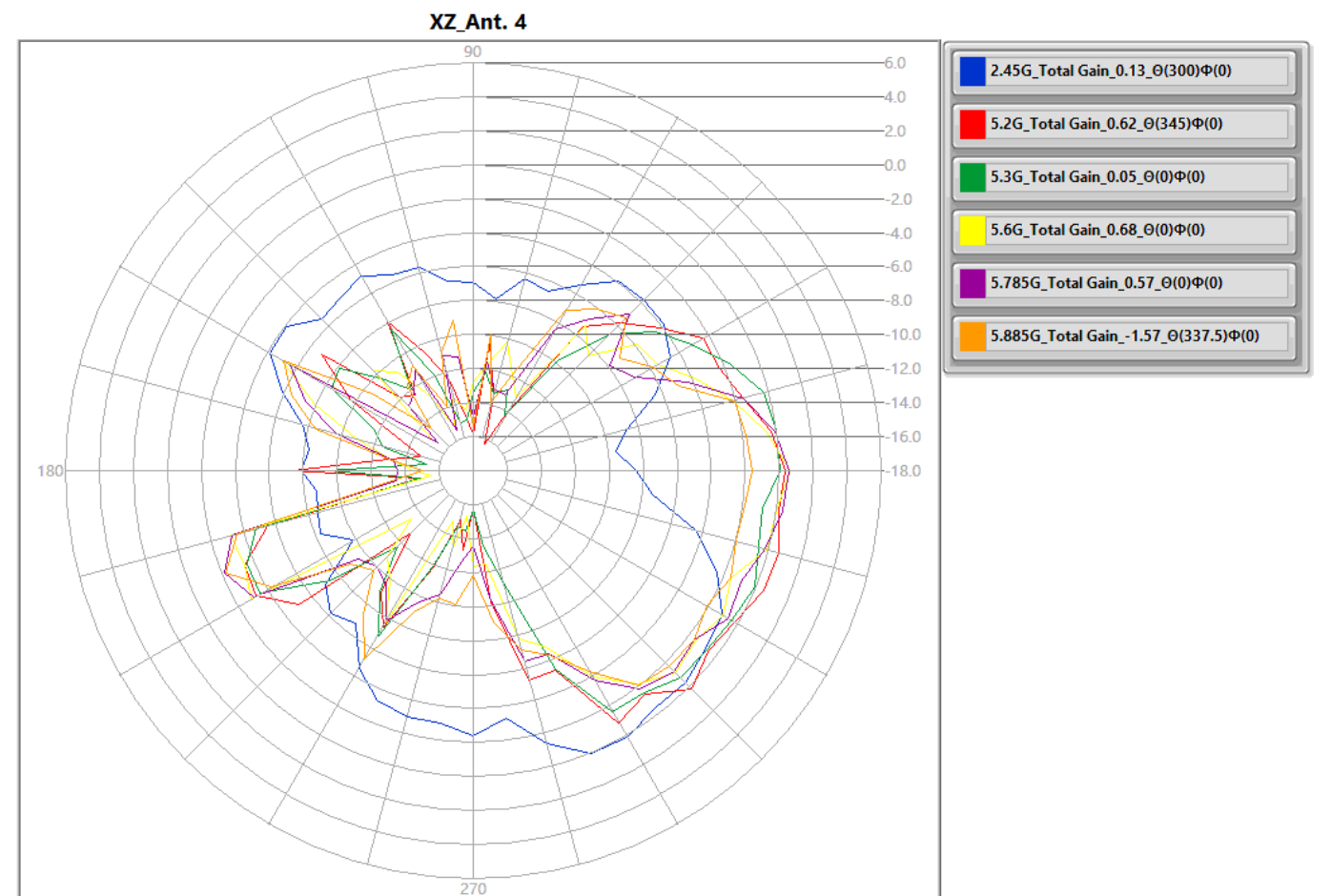
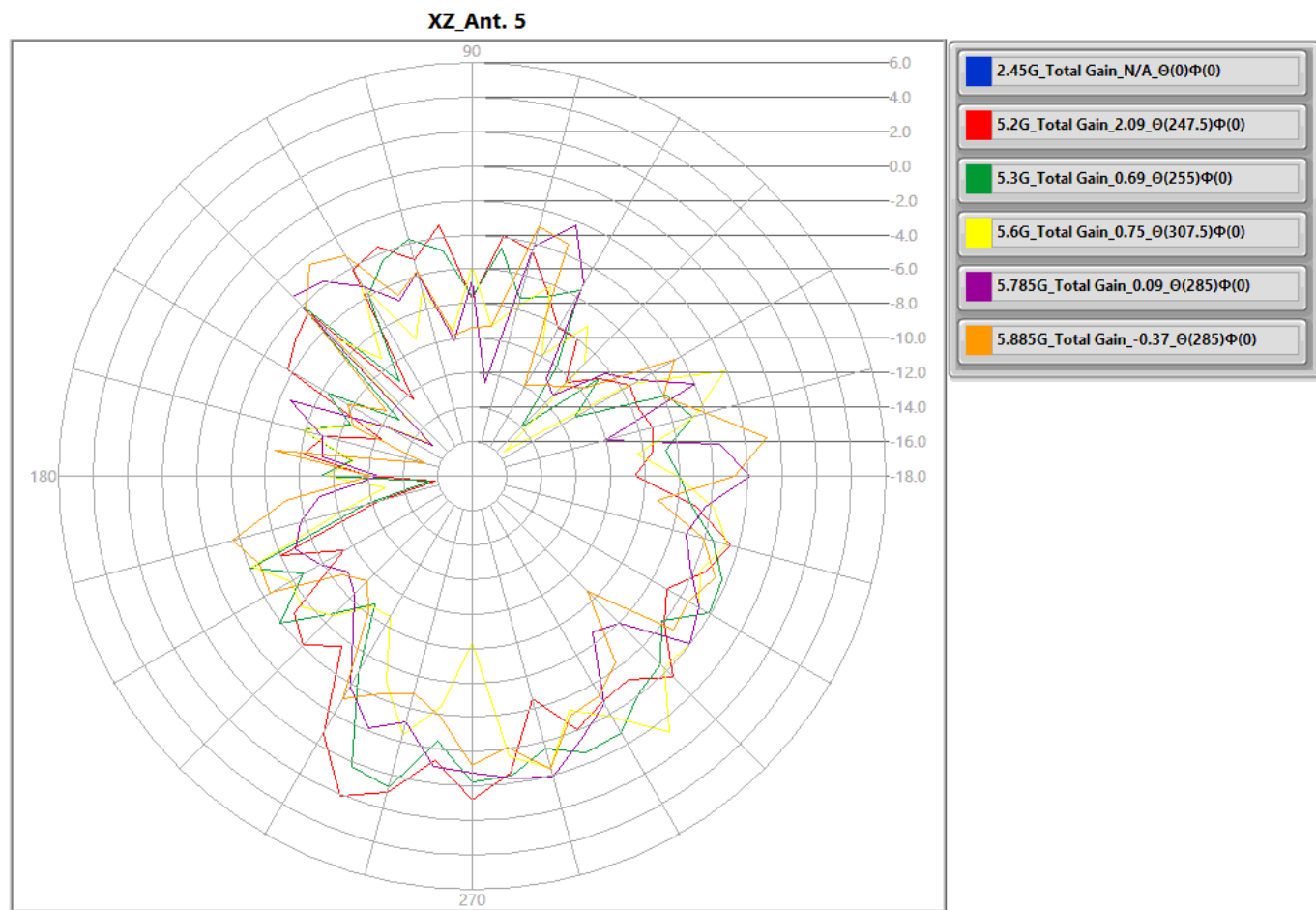
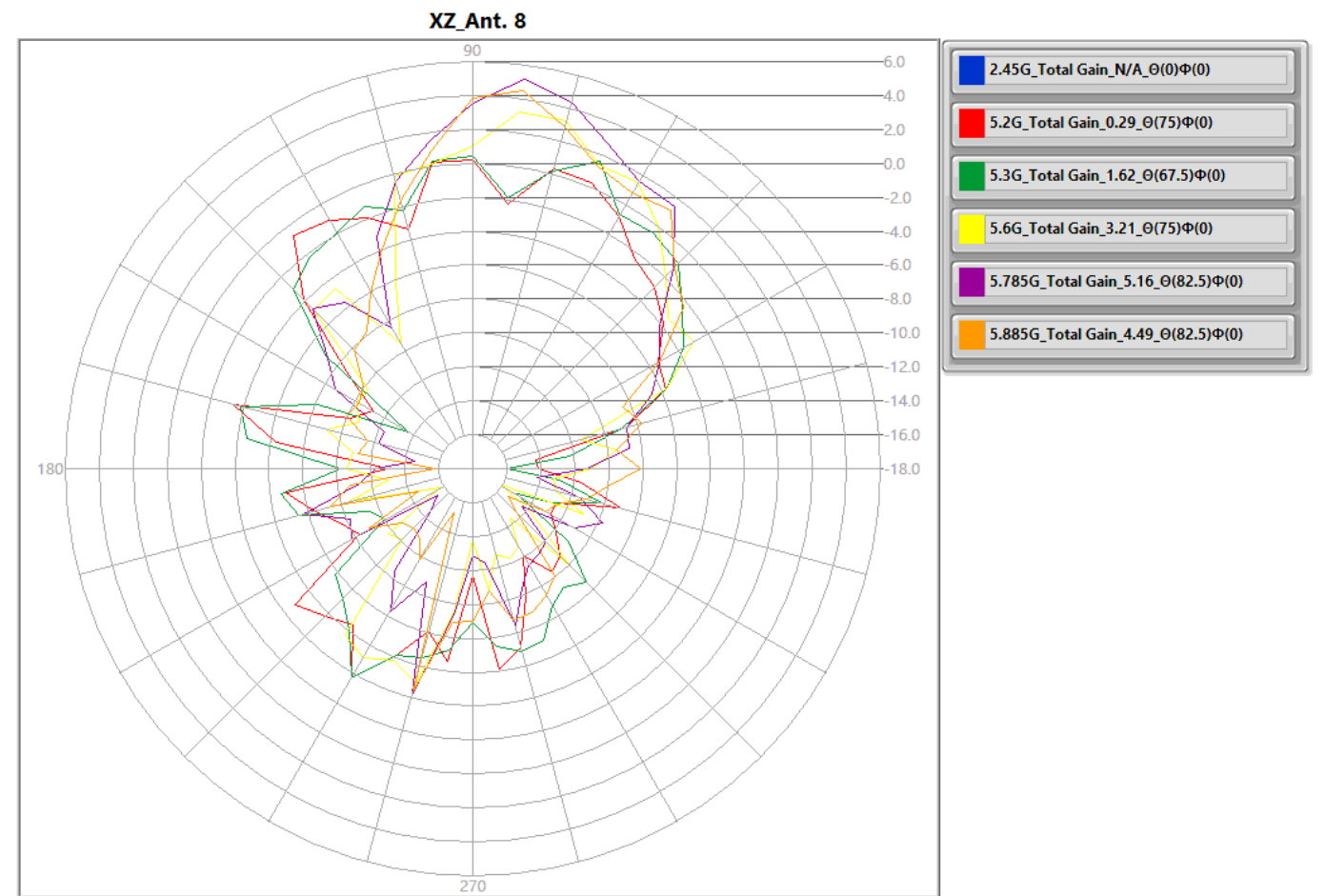
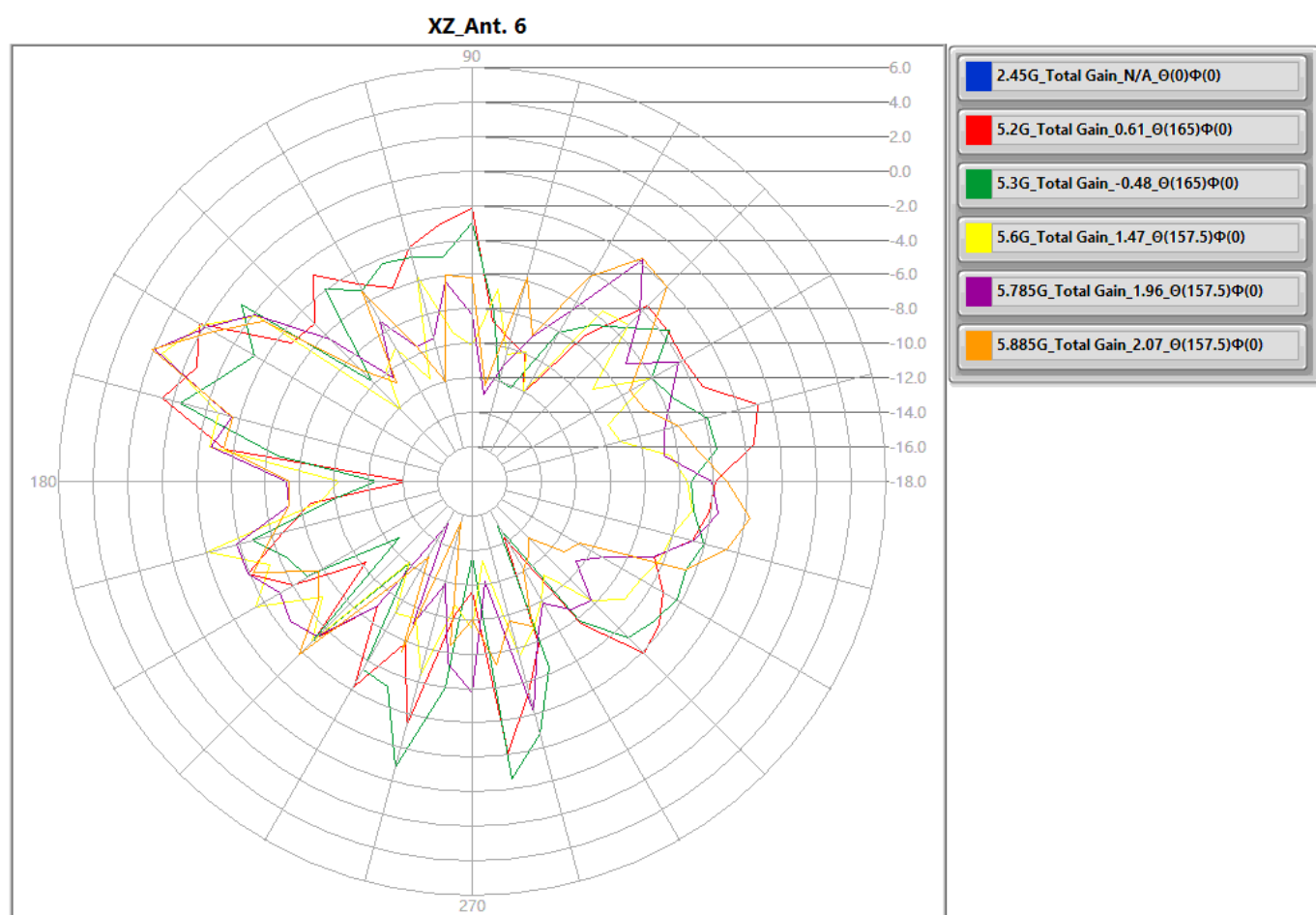
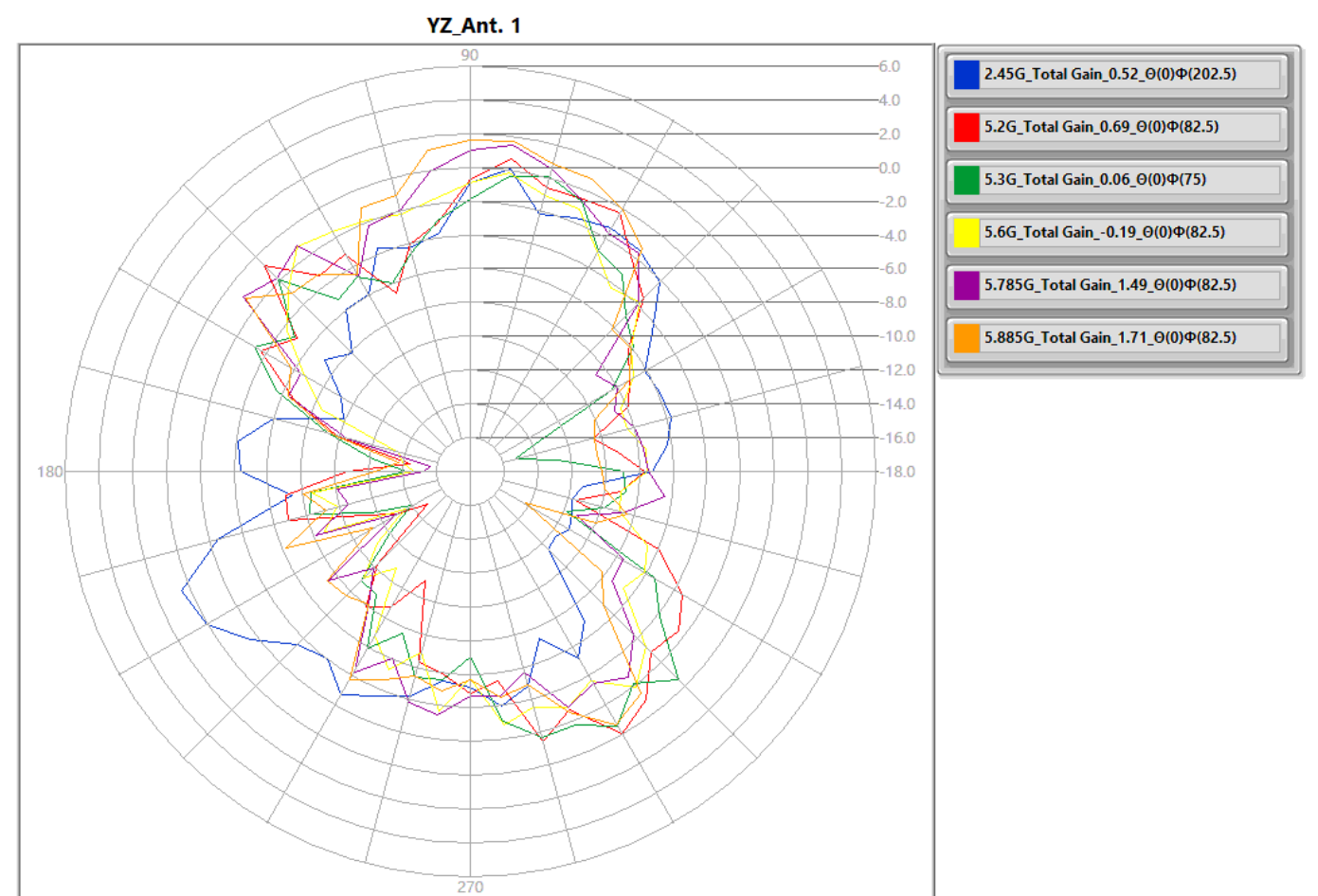
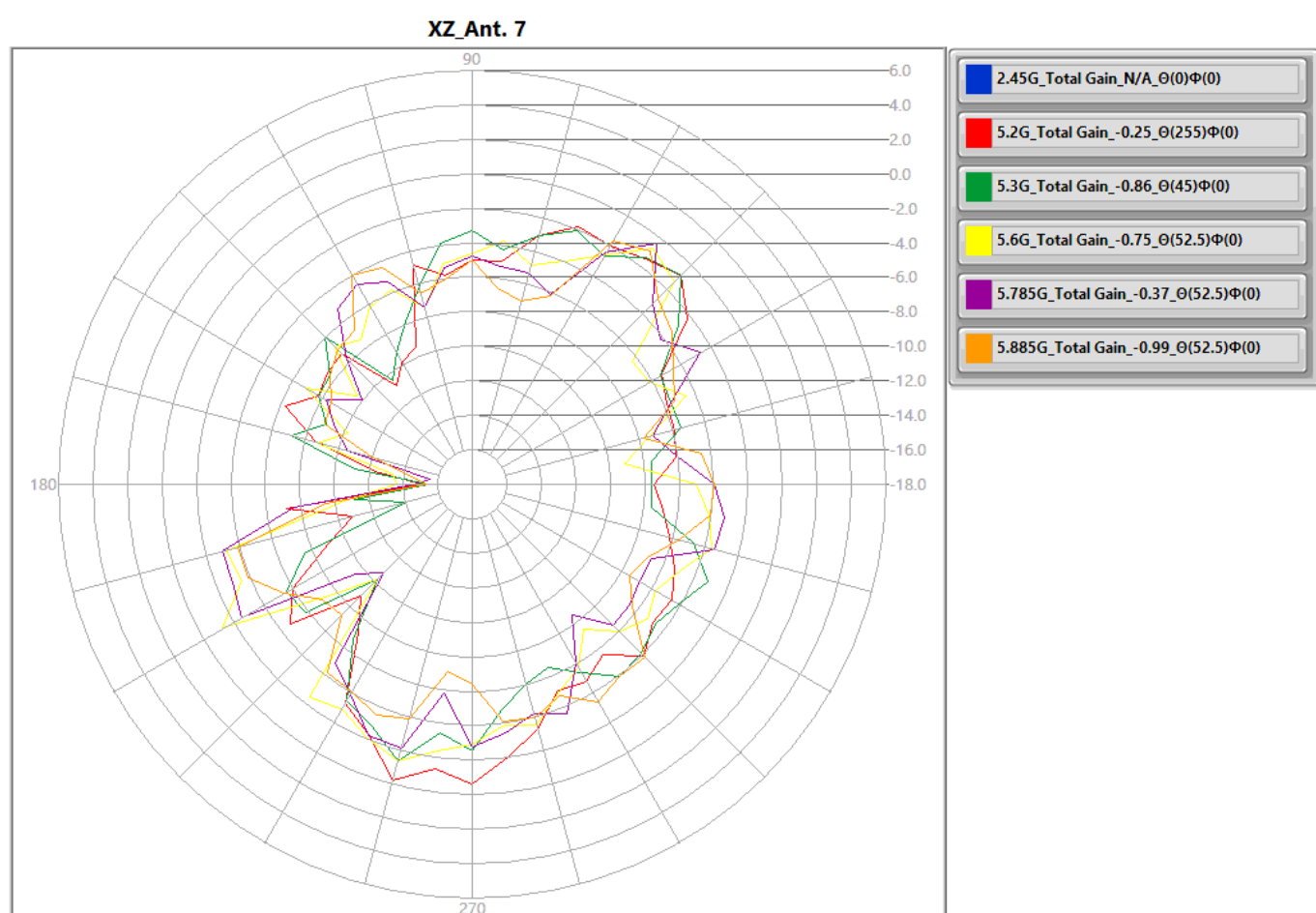
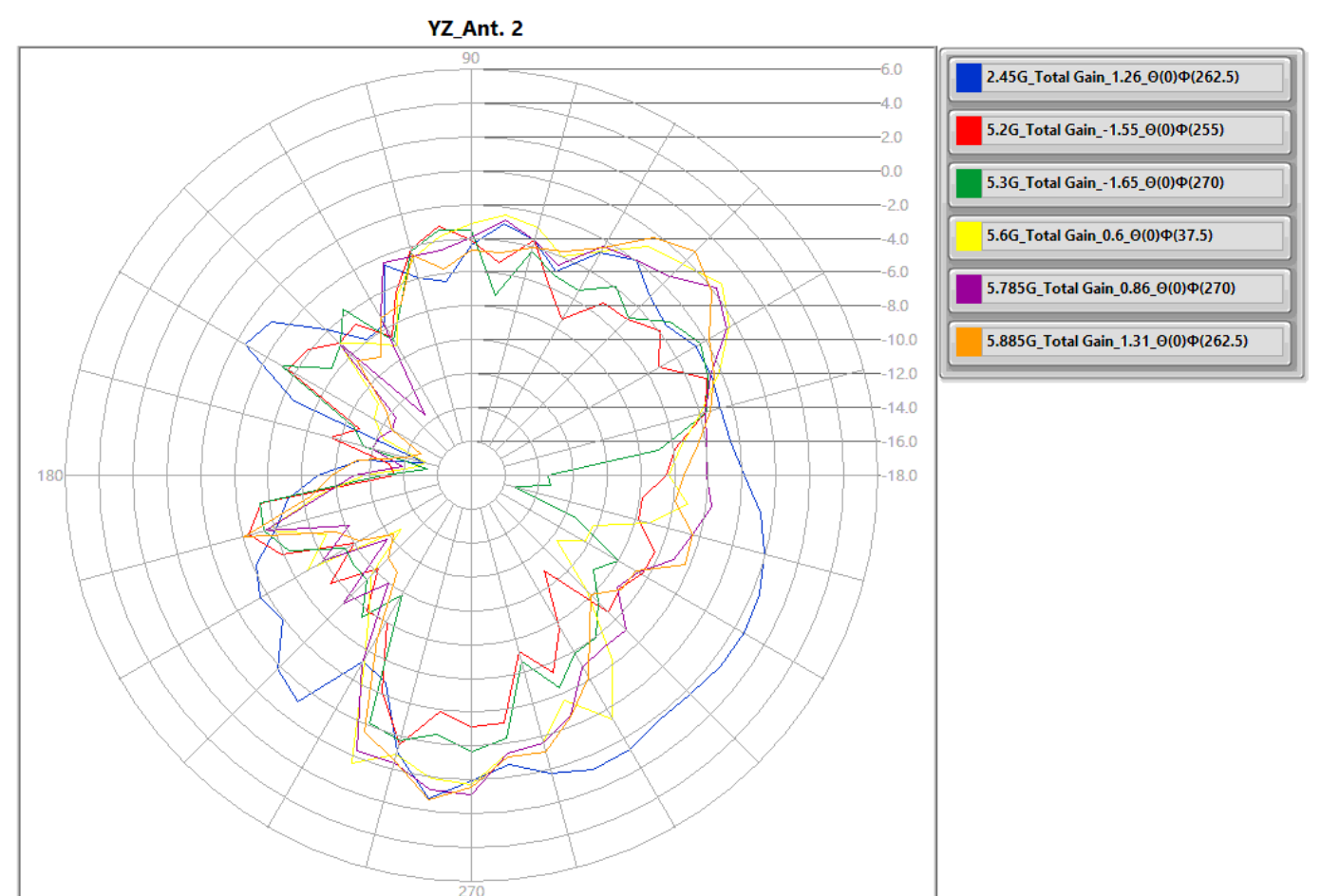
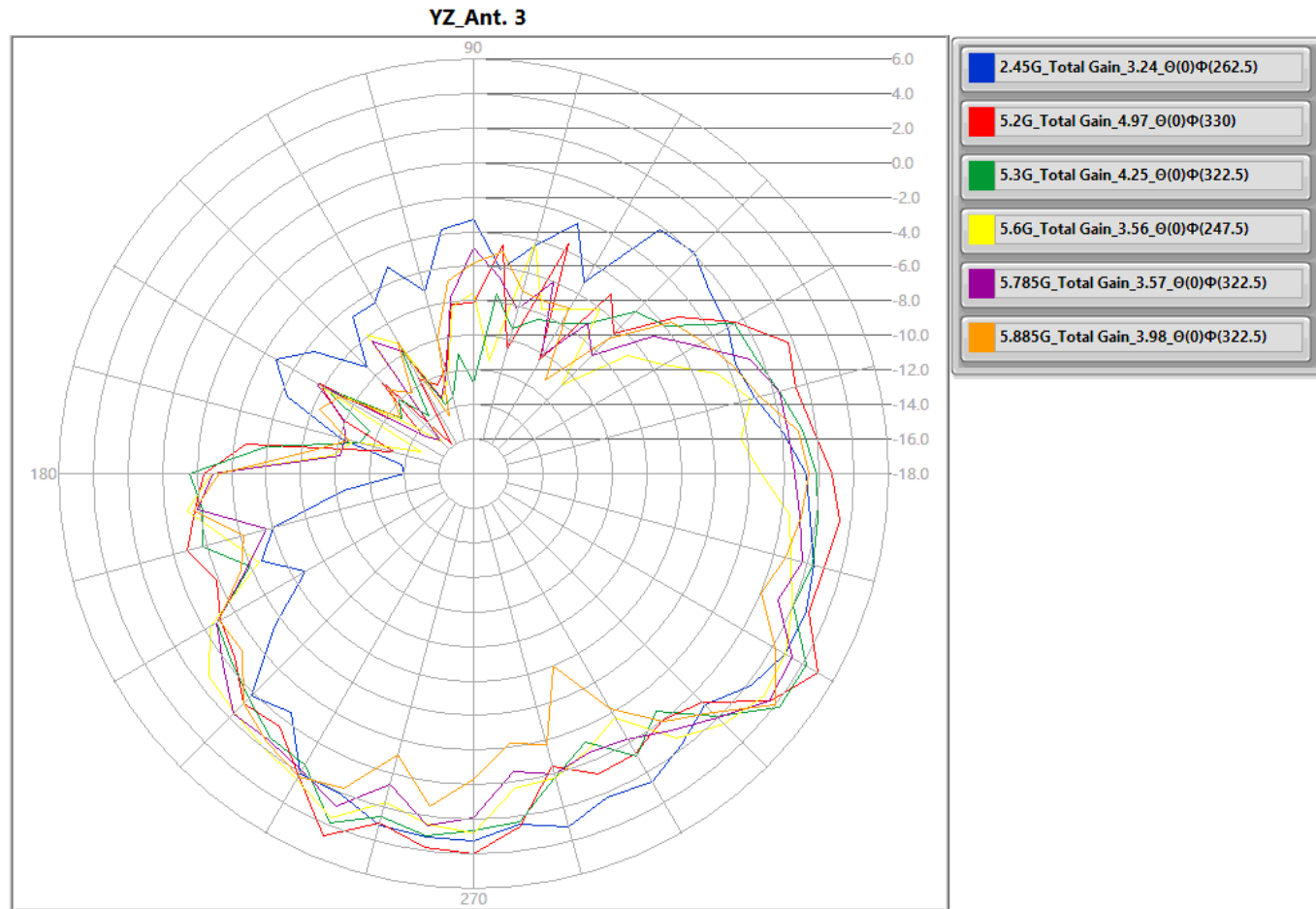
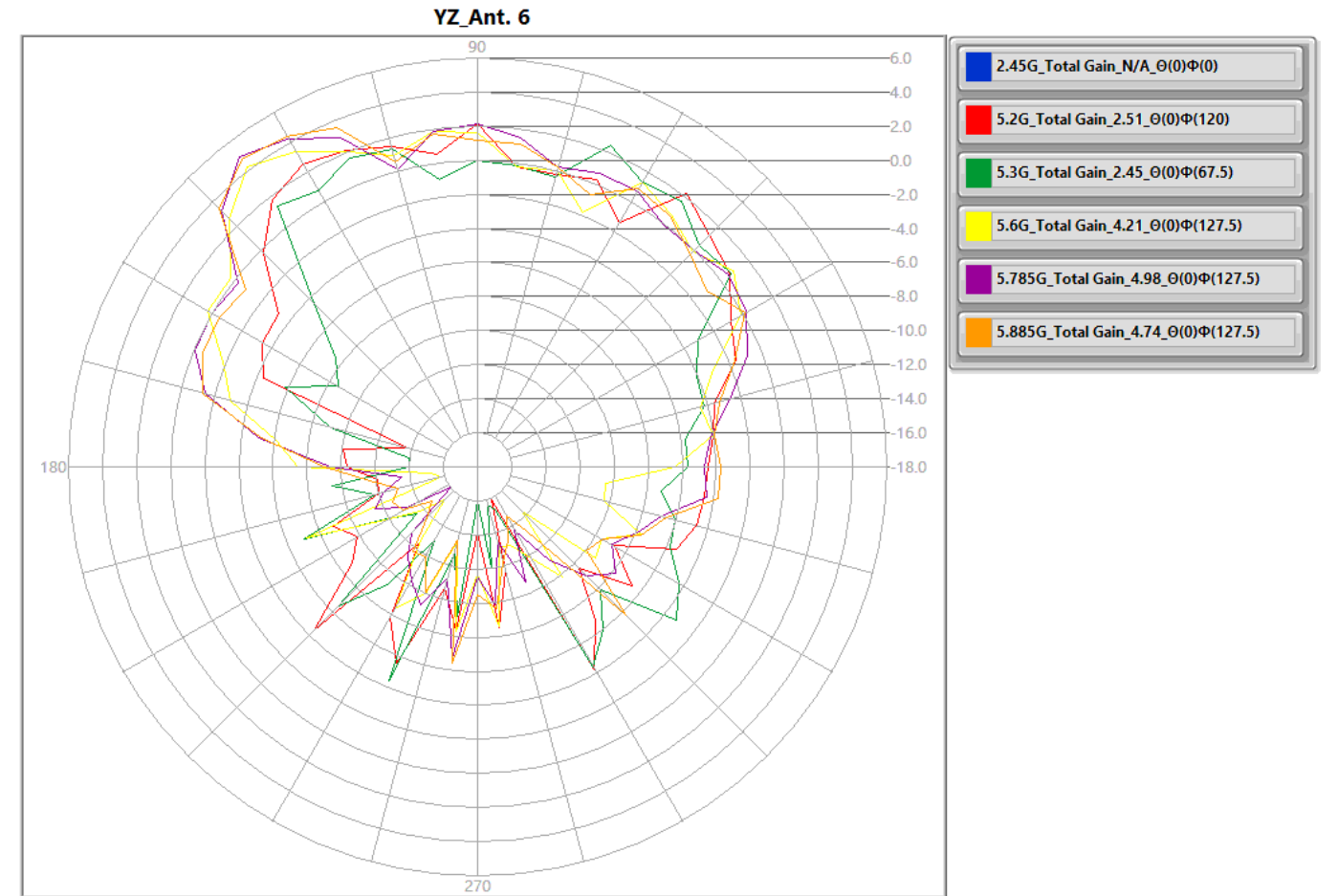
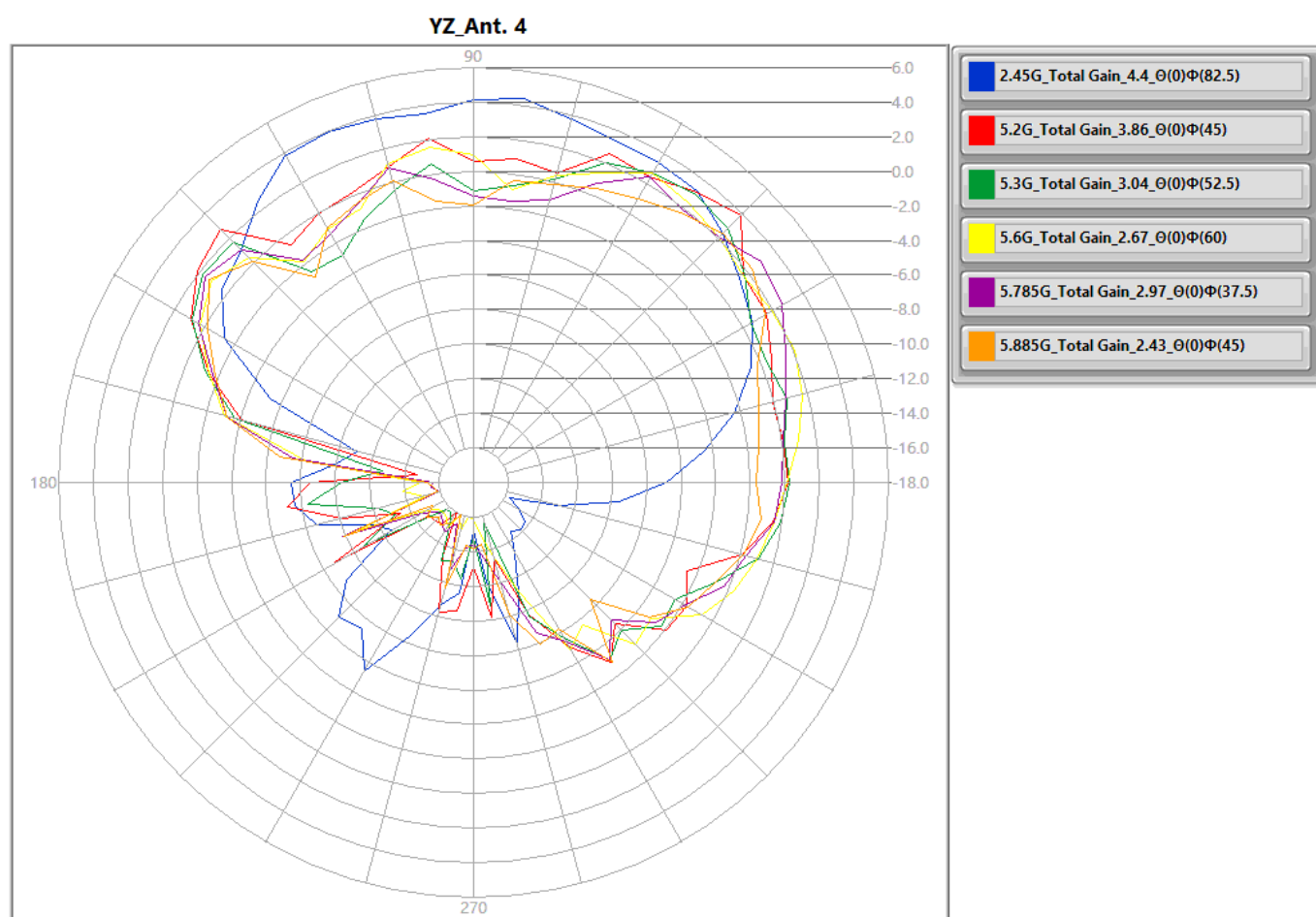
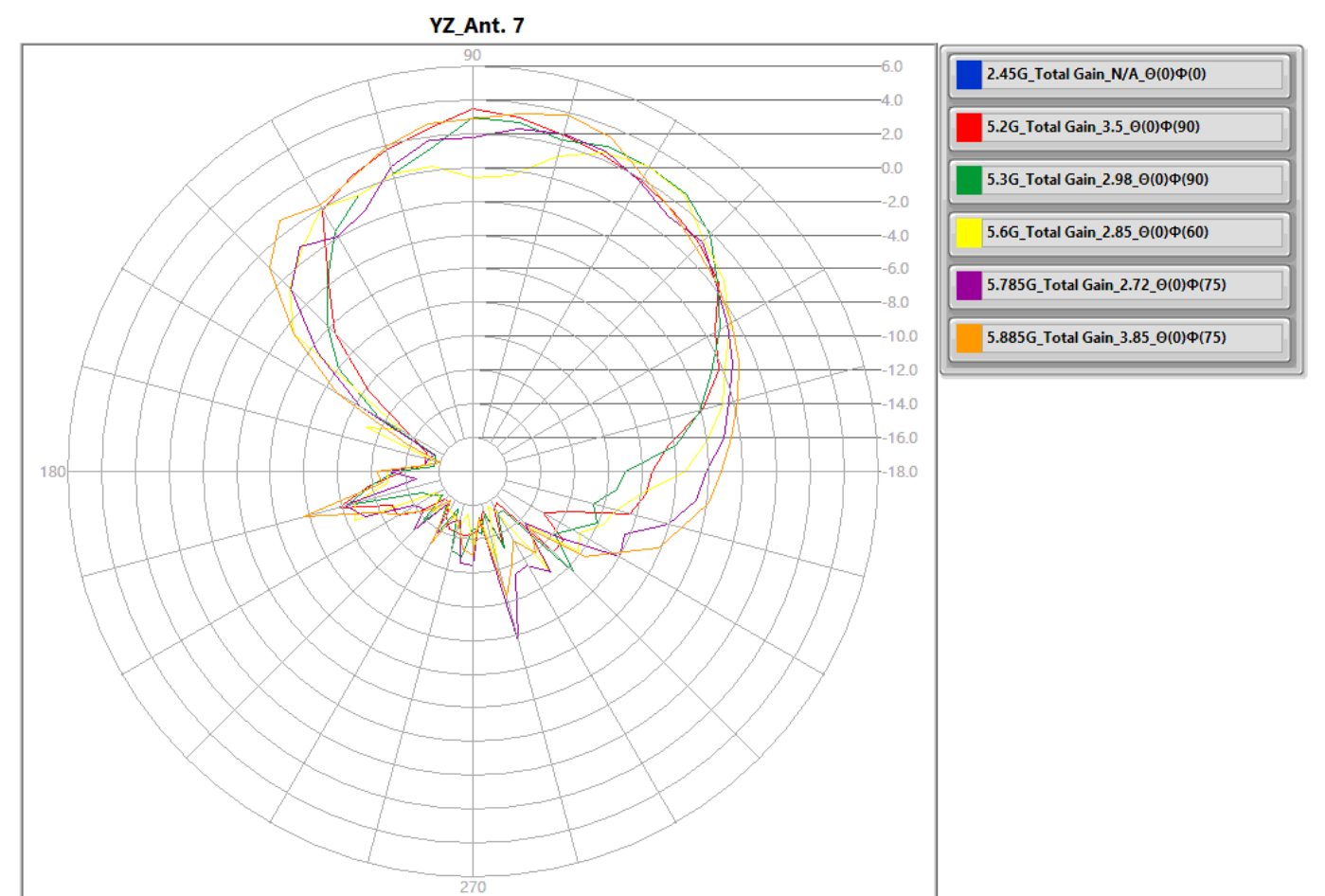
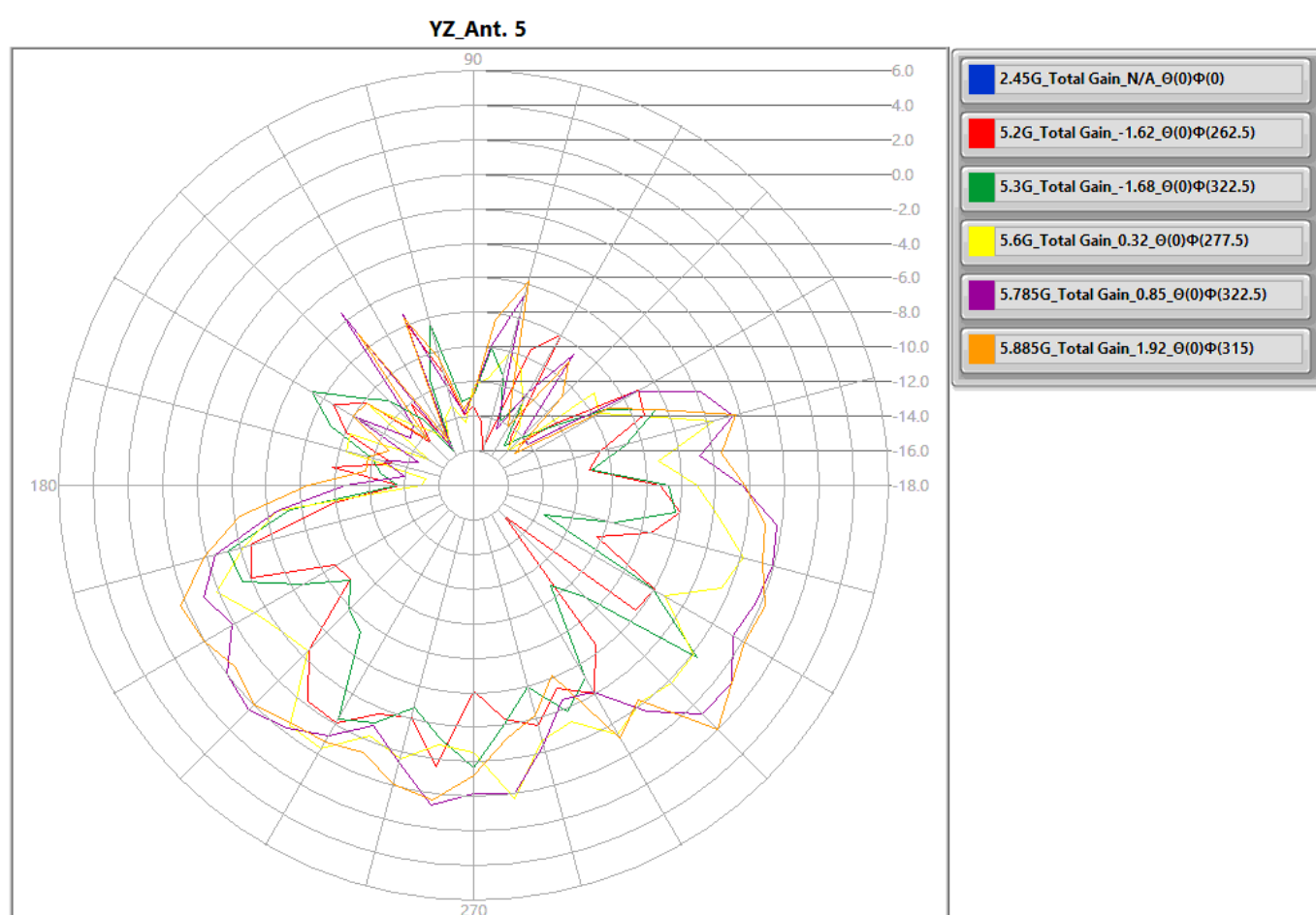
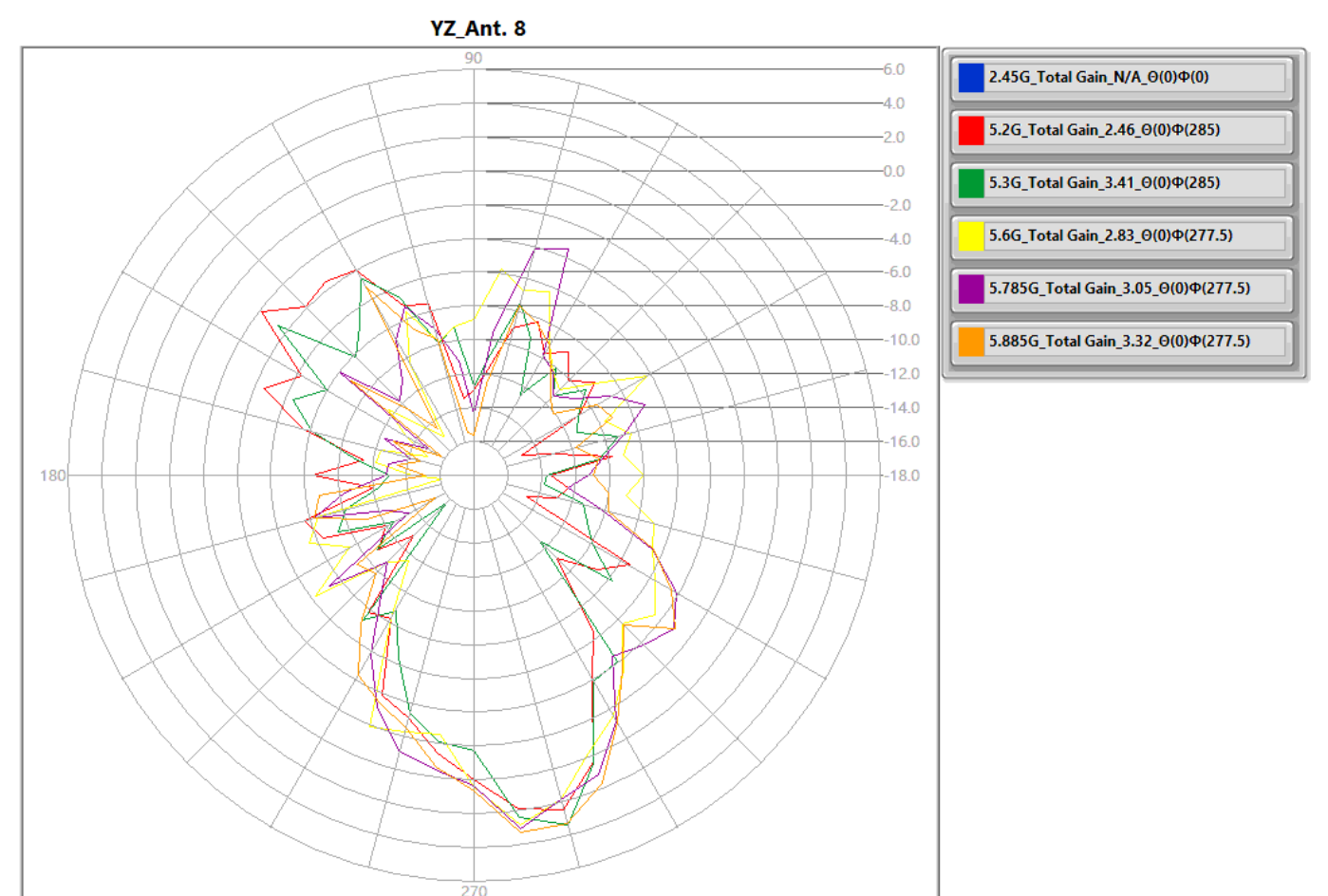










Antenna Pattern <6GHz U-NII5~UNII-8>

Appendix D

Total Gain Data

Freq(Hz)	6.175GPol.	TotalAnt.1	-	-	+	+	-	-	+	+	-	-	+	+	-	-	+	+	-	-	+	+	-	-
Gain	Φ(0°)Ψ(7.5°)	Φ(15°)Ψ(22.5°)	Φ(30°)Ψ(37.5°)	Φ(45°)Ψ(52.5°)	Φ(60°)Ψ(67.5°)	Φ(75°)Ψ(82.5°)	Φ(90°)Ψ(97.5°)	Φ(105°)Ψ(112.5°)	Φ(120°)Ψ(127.5°)	Φ(135°)Ψ(142.5°)	Φ(150°)Ψ(157.5°)	Φ(165°)Ψ(172.5°)	Φ(180°)Ψ(187.5°)	Φ(195°)Ψ(202.5°)	Φ(210°)Ψ(217.5°)	Φ(225°)Ψ(232.5°)	Φ(240°)Ψ(247.5°)	Φ(255°)Ψ(262.5°)	Φ(270°)Ψ(277.5°)	Φ(285°)Ψ(292.5°)	Φ(300°)Ψ(307.5°)	Φ(315°)Ψ(322.5°)	Φ(330°)Ψ(337.5°)	Φ(345°)Ψ(352.5°)
Θ(0°)	-8.27/-3.71	-7.57/-7.29	-7.60/-6.65	-6.93/-8.10	-8.67/-8.39	-8.57/-8.82	-8.69/-8.57	-8.47/-8.62	-9.09/-5.66	-9.75/-9.99	-10.12/-10.07	-10.31/-10.24	-10.01/-9.83	-9.99/-8.99	-9.73/-8.93	-8.36/-8.19	-8.45/-8.68	-8.81/-8.54	-8.55/-8.36	-7.80/-7.88	-8.02/-9.74	-8.67/-10.37	-10.49/-8.62	-7.82/-8.03
Θ(7.5°)	-13.76/-10.81	-10.05/-9.10	-9.67/-8.81	-8.13/-8.36	-8.67/-8.54	-8.35/-8.15	-7.69/-7.26	-7.13/-7.14	-7.55/-7.72	-7.92/-7.70	-7.91/-8.11	-8.10/-7.94	-7.42/-7.12	-6.87/-6.26	-5.75/-4.93	-4.43/-4.36	-4.80/-5.08	-5.18/-5.35	-5.63/-5.95	-6.02/-6.67	-6.75/-7.38	-8.64/-8.42	-8.87/-10.80	-13.66/-13.69
Θ(15°)	-8.87/-10.02	-9.38/-9.24	-8.74/-8.74	-8.24/-7.10	-6.76/-6.61	-7.36/-7.75	-7.79/-6.71	-5.47/-5.28	-5.16/-4.69	-4.65/-5.41	-6.59/-7.32	-7.63/-6.75	-5.54/-4.23	-3.23/-2.32	-1.77/-1.57	-1.44/-1.68	-1.90/-2.60	-3.41/-3.91	-4.07/-3.86	-3.78/-4.07	-3.96/-4.23	-4.81/-4.81	-4.90/-5.67	-8.77/-8.16
Θ(22.5°)	-6.98/-7.79	-7.32/-5.16	-3.50/-2.34	-2.11/-2.33	-2.70/-4.00	-5.49/-7.65	-8.96/-9.68	-8.78/-8.25	-7.67/-6.20	-5.04/-5.11	-6.29/-8.64	-8.90/-8.52	-6.07/-3.33	-1.59/-0.94	-0.73/-1.18	-1.57/-2.03	-2.73/-3.97	-5.36/-6.87	-7.28/-7.25	-6.75/-6.17	-5.12/-4.22	-2.94/-3.54	-4.49/-6.62	-7.02/-6.82
Θ(30°)	-9.61/-10.50	-11.34/-10.14	-7.13/-5.29	-6.09/-6.98	-8.08/-9.03	-11.08/-13.63	-11.27/-9.24	-7.34/-6.39	-8.58/-13.87	-10.37/-11.66	-8.54/-13.87	-5.20/-6.63	-4.17/-2.06	-0.49/-0.44	1.100/7.5	-1.56/-3.05	-4.16/-4.01	-4.01/-4.73	-5.83/-7.04	-7.06/-4.40	-3.37/-5.08	-6.94/-8.71	-8.25/-9.52	
Θ(37.5°)	-6.76/-8.73	-11.27/-11.67	-11.33/-10.21	-11.60/-11.50	-10.01/-12.25	-13.76/-15.13	-15.34/-13.76	-10.85/-8.40	-9.38/-13.31	-12.06/-10.50	-7.41/-4.93	-4.99/-6.41	-5.05/-1.66	0.64/-1.64	2.26/-2.42	1.27/0.37	-0.88/-3.77	-6.59/-8.29	-8.13/-5.88	-3.66/-3.11	-4.07/-5.13	-5.10/-5.46	-5.51/-5.42	-5.73/-6.81
Θ(45°)	-7.32/-11.30	-12.62/-11.45	-9.84/-8.51	-7.81/-10.19	-11.69/-10.11	-8.84/-8.98	-10.50/-8.32	-8.68/-9.53	-10.22/-12.25	-9.42/-5.42	-4.53/-3.27	-4.10/-3.16	-0.30/-0.49	0.82/-1.39	1.85/0.77	-0.14/-0.25	-0.36/-0.59	-1.27/-1.94	-3.66/-4.61	-4.69/-6.12	-6.59/-8.00	-7.05/-5.64		
Θ(52.5°)	-8.53/-12.53	-14.14/-15.75	-13.28/-12.41	-13.23/-13.36	-14.74/-12.04	-11.94/-13.22	-14.91/-14.49	-8.81/-8.08	-9.60/-12.88	-11.08/-5.58	-4.26/-5.93	-3.17/-1.72	-1.33/-0.53	2.03/-1.93	-0.25/-1.77	3.34/4.44	4.44/-2.96	1.30/0.25	0.22/-0.97	1.85/-3.86	-5.76/-5.71	-5.15/-7.12	-6.53/-7.32	-8.62/-8.76
Θ(60°)	-4.51/-6.72	-8.09/-6.40	-10.29/-10.86	-13.91/-13.98	-15.46/-15.59	-15.10/-14.76	-13.21/-11.77	-13.47/-14.30	-12.61/-9.55	-8.44/-10.24	-10.86/-15.87	-11.80/-6.37	-6.10/-1.39	1.70/-1.65	0.33/-1.01	1.76/3.55	3.87/-2.91	2.31/-0.20	0.66/-2.98	-2.74/-4.68	-5.51/-6.06	-7.52/-7.24	-9.25/-9.20	-7.96/-6.21
Θ(67.5°)	-9.54/-9.93	-15.47/-14.48	-10.82/-13.60	-10.40/-11.36	-11.43/-11.23	-11.27/-11.28	-14.58/-10.65	-14.75/-12.46	-10.74/-8.85	-8.95/-11.61	-9.85/-6.50	-9.19/-4.98	-6.75/-5.50	-1.78/-1.72	-2.92/-1.80	0.14/-2.99	2.75/-1.77	0.79/-3.34	-3.94/-5.13	-5.68/-8.33	-5.42/-2.60	-3.23/-1.68	-2.54/-4.42	-6.15/-9.76
Θ(75°)	-7.47/-10.62	-10.50/-10.28	-10.29/-9.48	-9.28/-11.76	-15.46/-12.93	-11.14/-12.19	-14.41/-14.27	-7.80/-12.12	-12.86/-15.60	-16.18/-13.40	-10.72/-6.89	-7.59/-5.10	-5.19/-3.10	-0.32/0.77	0.90/-0.92	-1.14/0.69	0.53/-1.10	-2.42/-12.88	-9.69/-4.27	-2.11/-8.66	-6.29/-4.47	-5.11/-6.19	-10.05/-13.29	-9.71/-5.00
Θ(82.5°)	-5.62/-7.20	-8.99/-14.38	-10.36/-8.80	-8.40/-7.23	-9.68/-14.26	-13.64/-12.44	-14.59/-12.08	-10.66/-10.71	-14.20/-15.02	-14.51/-15.56	-14.51/-14.88	-10.41/-9.57	-5.71/-4.08	-3.78/-0.86	-0.77/-3.65	-4.69/-1.98	0.53/-1.04	-0.86/-3.48	-2.20/-2.55	-1.49/-4.48	-7.43/-5.22	-5.52/-13.02	-10.67/-12.09	-8.94/-2.95
Θ(90°)	-8.32/-6.41	-7.97/-8.20	-12.98/-14.99	-13.47/-8.15	-10.98/-14.21	-9.38/-10.84	-14.85/-9.69	-6.06/-8.58	-10.84/-10.74	-8.24/-9.40	-11.83/-14.35	-15.96/-12.59	-9.76/-6.35	-6.91/-3.98	-2.12/-5.21	-11.85/-3.48	0.93/-1.03	-3.80/-7.30	-4.75/0.89	1.15/-4.35	-4.44/-2.10	-2.45/-4.17	-4.97/-5.91	-5.49/-3.77
Θ(97.5°)	-7.82/-11.87	-11.45/-13.97	-12.59/-11.77	-12.54/-10.94	-9.04/-12.87	-11.24/-10.87	-15.04/-15.40	-8.57/-9.45	-12.60/-15.32	-14.20/-14.63	-14.65/-15.03	-8.86/-7.12	-8.19/-5.13	-5.39/-3.85	-0.75/-2.70	-7.47/-1.56	1.00/0.62	-1.72/-4.23	-7.45/0.28	2.40/-4.36	-2.13/-4.35	-4.74/-8.03	-12.60/-12.57	-6.23/-5.58
Θ(105°)	-11.88/-10.70	-8.90/-9.40	-9.77/-13.63	-14.21/-13.21	-14.98/-10.29	-12.71/-12.01	-15.81/-15.59	-11.14/-10.59	-11.41/-9.12	-13.26/-13.32	-13.59/-8.77	-11.96/-8.66	-7.78/-4.96	-5.35/-2.56	1.36/-1.29	-6.51/-0.69	2.05/0.38	1.26/2.37	1.38/4.00	2.80/-2.74	0.35/-5.71	-6.10/-2.99	-7.62/-11.00	-8.26/-7.00
Θ(112.5°)	-9.78/-11.27	-11.19/-14.47	-11.00/-10.16	-10.17/-14.03	-11.28/-11.55	-13.00/-16.02	-13.73/-9.42	-12.00/-15.64	-14.93/-10.62	-15.67/-11.90	-11.13/-12.24	-11.16/-5.63	-4.29/-0.89	-1.79/-1.09	2.22/-2.15	-8.77/-1.95	0.56/0.06	-0.70/0.35	2.48/5.09	2.20/-4.15	-4.62/-1.42	-3.25/-1.12	-8.58/-11.51	-7.53/-5.03
Θ(120°)	-6.38/-12.03	-10.66/-14.84	-14.73/-13.11	-13.24/-11.98	-14.41/-14.27	-14.10/-13.11	-9.92/-12.73	-14.16/-14.96	-12.39/-15.63	-11.08/-8.35	-7.38/-9.18	-6.46/-4.19	-3.78/-1.59	-2.79/-2.91	-3.33/-0.16	-5.41/-1.39	1.21/-1.71	-0.84/-1.17	1.87/-3.42	0.49/-10.13	-5.10/-4.61	-4.45/-4.30	-4.95/-6.31	-8.05/-9.43
Θ(127.5°)	-6.62/-15.45	-13.86/-10.61	-7.67/-8.16	-12.26/-14.34	-15.65/-14.59	-10.05/-12.25	-14.67/-14.16	-11.50/-10.84	-9.96/-7.69	-6.40/-5.28	-5.13/-6.49	-4.95/-3.66	-6.43/-8.23	-4.91/-3.62	-1.98/0.12	-3.14/-3.54	-0.88/-1.21	0.41/-8.71	-8.14/-4.06	-5.66/-7.48	-7.11/-9.35	-8.26/-7.00		
Θ(135°)	-9.95/-12.89	-14.61/-11.35	-8.08/-9.95	-10.55/-14.76	-14.92/-11.75	-11.86/-14.82	-13.36/-13.04	-10.82/-10.45	-15.24/-12.38	-10.67/-11.20	-14.53/-10.56	-7.53/-9.02	-6.95/-7.85	-8.43/-3.69	-2.32/0.05	0.74/-0.43	-2.02/-1.50	-5.65/-8.10	-5.08/-1.87	-0.43/-3.37	-5.86/-5.80	-1.55/-1.32	-1.85/-5.86	-12.22/-10.72
Θ(142.5°)	-7.84/-9.13	-9.79/-11.94	-12.91/-11.07	-14.51/-11.24	-6.68/-6.35	-8.22/-10.59	-11.52/-11.11	-7.91/-7.40	-9.77/-14.72	-14.52/-13.08	-11.60/-9.13	-10.92/-8.67	-7.35/-7.34	-4.71/-2.33	-1.15/-0.55	-0.50/-2.03	-4.35/-4.91	-8.20/-7.41	-3.13/-1.66	-4.54/-4.88	-6.12/-6.99	-5.43/-5.42	-2.99/-1.63	-3.21/-5.61
Θ(150°)	-9.08/-8.38	-8.45/-8.44	-8.76/-10.04	-8.60/-14.85	-9.41/-9.01	-10.25/-11.69	-10.50/-11.51	-10.13/-7.52	-8.88/-4.77	-5.05/-4.08	-5.66/-7.98	-9.75/-8.43	-4.96/-5.48	-2.26/-1.01	-3.11/-1.34	-0.92/-1.46	-3.72/-8.27	-10.07/-5.09	-2.26/-1.01	-1.31/-1.61	-1.25/-2.54	-5.05/-5.46	-5.21/-6.80	-8.90/-10.83
Θ(157.5°)	-15.05/-13.65	-15.24/-15.54	-15.25/-14.78	-10.98/-9.20	-8.14/-8.81	-10.35/-12.20	-14.50/-15.11	-12.82/-7.42	-4.28/-3.00	-2.74/-2.41	-2.54/-2.58	-2.93/-3.80	-4.40/-4.35	-3.67/-3.25	-3.03/-2.55	-1.97/-2.02	-2.77/-3.21	-1.71/0.24	1.85/-2.46	1.81/0.05	-1.84/-3.01	-4.29/-6.40	-9.60/-12.76	-15.83/-15.84
Θ(165°)	-7.28/-6.88	-5.61/-5.08	-5.24/-6.20	-7.29/-8.47	-9.99/-11.77	-12.26/-11.82	-10.97/-10.26	-9.12/-9.70	-6.64/-6.45	-6.91/-6.87	-6.42/-5.46	-4.53/-4.16	-4.19/-4.43	-4.73/-4.69	-4.58/-4.52	-4.79/-5.33	-5.96/-5.81	-4.59/-3.26	-2.28/-1.62	-1.20/-1.44	-2.77/-6.02	-10.64/-14.85	-14.62/-12.69	-9.69/-7.77
Θ(172.5°)	-11.12/-10.55	-11.44/-10.55	-11.44/-10.55	-11.44/-10.55	-8.98/-8.71	-9.23/-9.74	-10.75/-12.13	-13.01/-14.13	-14.06/-13.66	-14.16/-14.62	-14.95/-14.81	-8.82/-8.37	-8.17/-9.95	-8.08/-8.25	-7.90/-7.65	-6.11/-5.01	-4.07/-3.08	-2.11/-1.52	-1.36/-1.64	-3.15/-5.76	-9.24/-10.80	-15.21/-14.61	-15.21/-14.61	-9.99/-11.84
Θ(180°)	-13.22/-13.09	-11.82/-10.87	-9.12/-8.56	-8.63/-9.28	-9.99/-10.39	-11.01/-10.79	-9.83/-9.38	-9.50/-10.08	-10.45/-10.79	-10.69/-10.75	-10.31/-9.57	-8.78/-8.32	-7.95/-7.75	-7.81/-7.31	-7.19/-6.75	-6.21/-5.73	-5.37/-5.04	-4.55/-3.98	-3.91/-4.30	-5.08/-6.43	-8.26/-9.91	-10.20/-13.08	-14.42/-14.06	-13.87/-15.53
Freq(Hz)	6.475GPol.	TotalAnt.1	-	-	+	+	-	-	+	+	-	-	+	+	-	-	+	+	-	-	+	+	-	-
Gain	Φ(0°)Ψ(7.5°)	Φ(15°)Ψ(22.5°)	Φ(30°)Ψ(37.5°)	Φ(45°)Ψ(52.5°)	Φ(60°)Ψ(67.5°)	Φ(75°)Ψ(82.5°)	Φ(90°)Ψ(97.5°)	Φ(105°)Ψ(112.5°)	Φ(120°)Ψ(127.5°)	Φ(135°)Ψ(142.5°)	Φ(150°)Ψ(157.5°)	Φ(165°)Ψ(172.5°)	Φ(180°)Ψ(187.5°)	Φ(195°)Ψ(202.5°)	Φ(210°)Ψ(217.5°)	Φ(225°)Ψ(232.5°)	Φ(240°)Ψ(247.5°)	Φ(255°)Ψ(262.5°)	Φ(270°)Ψ(277.5°)	Φ(285°)Ψ(292.5°)	Φ(300°)Ψ(307.5°)	Φ(315°)Ψ(322.5°)	Φ(330°)Ψ(337.5°)	Φ(345°)Ψ(352.5°)
Θ(0°)	-8.60/-11.26	-8.65/-8.80	-8.58/-9.27	-9.73/-9.23	-8.86/-8.92	-9.22/-9.36	-9.34/-8.98	-9.14/-9.62	-9.26/-8.56	-8.49/-8.58	-8.82/-8.61	-7.89/-7.65	-7.67/-7.87	-7.79/-7.87	-7.22/-7.97	-8.05/-7.97	-7.54/-7.58	-8.05/-8.55	-8.57/-8.84	-8.78/-9.30	-8.73/-8.59	-8.10/-7.27	-5.14/-4.84	-7.04/-8.24
Θ(7.5°)	-6.11/-7.20	-7.08/-7.45	-7.93/-8.40	-9.07/-8.66	-8.38/-8.57	-8.01/-8.72	-7.84/-7.00	-7.11/-7.45	-7.56/-7.41	-7.79/-8.59	-9.72/-10.98	-12.21/-12.79	-12.74/-12.10	-11.24/-11.84	-10.45/-10.70	-8.74/-9.40	-8.25/-8.00	-8.16/-8.40	-8.42/-7.80	-7.61/-7.53	-7.21/-6.57	-6.23/-5.71	-4.52/-4.05	-4.85/-5.75
Θ(15°)	-9.31/-8.65	-8.20/-9.44	-8.61/-8.96	-7.28/-7.86	-8.42/-10.73	-12.40/-12.87	-13.24/-11.75	-9.46/-8.28	-7.74/-7.32	-7.53/-8.47	-9.70/-11.43	-13.28/-12.70	-11.77/-8.77	-6.80/-5.57	-4.74/-4.05	-3.74/-3.34	-3.07/-2.96	-3.28/-4.20	-4.81/-4.77	-4.71/-4.87	-4.95/-4.66	-3.86/-3.55	-4.32/-4.97	-6.25/-7.90
Θ(22.5°)	-13.73/-11.11	-9.94/-8.11	-6.39/-4.73	-4.59/-6.00	-7.24/-9.97	-15.41/-15.97	-15.37/-14.41	-15.59/-14.75	-11.73/-10.14	-10.28/-12.27	-12.73/-12.23	-12.78/-14.69	-12.24/-8.19	-5.73/-3.73	-2.40/-2.04	-2.31/-2.62	-2.46/-2.56	-3.04/-3.92	-5.61/-7.03	-6.74/-5.83	-4.57/-3.29	-3.10/-3.56	-5.52/-5.89	-8.61/-11.41
Θ(30°)	-10.12/-8.71	-7.18/-6.45	-6.11/-6.54	-6.70/-7.64	-8.29/-10.99	-13.67/-13.42	-14.43/-14.70	-12.30/-11.00	-12.70/-12.69	-12.77/-11.66	-10.48/-9.11	-7.57/-7.16	-6.78/-6.13	-4.97/-3.72	-2.97/-2.63	-2.74/-2.89	-1.78/-0.91	-1.35/-3.63	-6.72/-7.79	-8.76/-8.46	-6.80/-5.50	-5.27/-5.23	-6.05/-5.59	-7.67/-9.21
Θ(37.5°)	-3.18/-6.56																							



Antenna Pattern <6GHz U-NII5~UNII-8>

Appendix D

Θ(22.5°)	-5.22/4.37	-3.44/2.83	-2.23/1.66	-1.25/1.00	-1.13/-1.54	-1.99/-2.34	-2.45/-2.35	-2.25/-1.99	-1.73/-1.57	-1.97/-2.93	-3.84/-4.77	-5.80/-6.75	-7.47/-7.50	-7.38/-7.33	-7.27/-7.06	-7.17/-7.82	-8.24/-7.74	-7.25/-7.00	-6.87/-6.89	-7.30/-7.73	-8.13/-8.87	-8.96/-8.91	-8.12/-7.36	-6.20/-5.44
Θ(30°)	-5.63/-4.56	-3.16/-1.88	-1.07/-0.36	0.26/0.45	0.32/0.13	-0.13/-0.61	-1.23/-1.64	-1.41/-1.40	-1.83/-2.16	-2.59/-4.28	-6.03/-6.77	-7.38/-8.16	-7.93/-7.74	-9.21/-10.88	-10.35/-9.14	-8.21/-7.34	-6.53/-6.74	-7.92/-9.03	-9.30/-9.75	-10.29/-9.74	-10.29/-10.48	-9.56/-9.49	-9.39/-8.86	-7.63/-6.22
Θ(37.5°)	-6.11/-5.00	-3.36/-2.20	-1.32/-0.37	0.38/0.59	0.95/1.14	0.84/0.03	-0.93/-1.55	-1.92/-1.81	-2.03/-3.13	-4.21/-5.79	-7.80/-8.36	-9.48/-10.41	-10.18/-13.49	-14.66/-12.38	-11.33/-11.72	-10.30/-8.34	-7.68/-8.33	-8.80/-10.58	-10.85/-10.02	-11.80/-14.47	-12.93/-12.48	-12.67/-11.39	-10.10/-10.13	-8.84/-6.89
Θ(45°)	-6.36/-4.90	-3.08/-1.62	-0.24/0.81	1.27/1.49	1.67/1.38	0.82/0.01	-0.97/-1.84	-2.53/-3.21	-3.53/-4.00	-3.66/-4.66	-7.27/-11.70	-15.11/-15.02	-15.22/-12.81	-12.36/-11.20	-11.60/-12.86	-12.42/-8.46	-7.82/-9.64	-13.73/-11.71	-10.24/-13.04	-13.69/-10.90	-9.46/-8.02	-9.39/-8.42	-7.54/-7.67	-7.74/-7.40
Θ(52.5°)	-4.90/-3.51	-1.89/-0.91	0.35/1.54	2.33/2.34	1.81/1.13	0.24/-0.79	-1.56/-2.66	-4.21/-5.68	-5.92/-5.36	-4.90/-5.26	-5.43/-6.44	-7.33/-7.42	-9.96/-9.90	-11.24/-11.51	-10.74/-11.51	-14.46/-14.38	-10.49/-9.80	-12.59/-10.30	-11.69/-9.03	-10.21/-10.52	-9.90/-7.93	-8.82/-9.30	-8.05/-7.18	-7.35/-6.00
Θ(60°)	-4.38/-3.69	-2.17/-0.91	0.96/2.06	2.62/2.70	2.47/1.42	-0.50/-2.57	-4.35/-5.84	-8.69/-10.02	-8.50/-7.85	-7.47/-7.05	-7.74/-7.94	-7.68/-6.28	-6.33/-6.00	-6.97/-8.54	-10.45/-12.06	-10.14/-9.75	-12.93/-10.39	-11.12/-16.27	-13.66/-9.69	-9.74/-14.36	-15.67/-12.28	-11.40/-11.24	-8.00/-6.57	-6.21/-4.89
Θ(67.5°)	-7.34/-5.23	-3.82/-2.31	-1.04/-0.13	0.47/0.88	1.22/0.44	-1.14/-3.59	-5.52/-5.48	-5.84/-5.99	-4.80/-4.62	-4.58/-4.50	-5.56/-8.56	-11.89/-13.01	-11.09/-10.66	-10.28/-11.17	-15.38/-13.99	-11.29/-11.77	-14.47/-12.19	-8.15/-12.23	-15.19/-14.49	-15.70/-14.30	-11.98/-10.74	-10.15/-9.41	-6.69/-6.81	-8.03/-7.02
Θ(75°)	-7.07/-4.60	-3.72/-2.65	-2.01/-1.66	-1.96/-0.99	-0.68/-0.99	-0.52/-0.12	0.14/-0.37	-0.83/-0.72	-1.52/-1.88	-4.41/-7.34	-8.19/-7.68	-7.41/-5.38	-5.43/-6.33	-8.38/-8.61	-10.11/-9.45	-13.92/-16.02	-10.86/-8.91	-14.39/-12.70	-14.70/-15.58	-14.40/-11.95	-12.82/-12.81	-13.80/-13.81	-15.44/-15.79	-12.61/-8.58
Θ(82.5°)	-5.91/-5.28	-4.77/-4.29	-3.28/-2.44	-1.77/-1.26	-1.55/-0.61	0.35/1.12	2.09/2.46	2.55/2.42	1.94/0.88	-1.11/-3.32	-5.54/-7.98	-8.76/-8.24	-8.58/-9.52	-10.18/-10.24	-9.79/-9.28	-12.97/-15.66	-13.04/-12.08	-15.38/-10.85	-8.29/-8.72	-10.17/-11.79	-12.84/-14.86	-15.54/-15.23	-15.44/-11.13	-8.63/-7.64
Θ(90°)	-8.23/-7.25	-6.17/-4.65	-3.08/-1.97	-1.30/-1.33	-0.87/0.41	0.42/0.26	0.44/1.77	2.19/2.12	1.82/1.10	0.65/-0.49	-3.64/-8.34	-12.97/-14.69	-12.17/-11.95	-10.47/-13.45	-11.60/-10.92	-11.50/-13.67	-14.72/-13.07	-11.99/-9.26	-12.31/-10.37	-14.10/-13.80	-14.89/-14.74	-12.39/-11.78	-13.29/-14.01	-12.56/-9.49
Θ(97.5°)	-10.92/-8.60	-6.25/-4.09	-2.24/-1.27	-1.45/-2.37	-3.30/-3.01	-0.52/0.10	1.42/2.23	2.60/2.66	1.99/1.31	-0.74/-2.80	-6.81/-12.87	-15.73/-15.00	-15.77/-13.42	-15.29/-15.86	-14.96/-15.69	-12.14/-11.91	-15.24/-14.57	-14.74/-15.05	-9.35/-13.05	-15.05/-10.77	-8.71/-9.15	-11.82/-12.59	-11.95/-12.48	-13.22/-12.44
Θ(105°)	-6.97/-5.08	-4.96/-4.92	-3.80/-2.32	-1.60/-1.26	-1.18/-0.90	-1.59/0.08	1.36/1.88	1.84/0.72	-0.56/-1.36	-3.88/-7.37	-8.92/-9.89	-11.42/-11.14	-10.29/-12.56	-13.44/-14.01	-13.01/-15.40	-15.06/-11.80	-10.78/-12.33	-15.24/-12.53	-13.80/-15.33	-15.82/-15.41	-9.39/-8.05	-11.53/-10.34	-11.57/-11.38	-8.87/-8.46
Θ(112.5°)	-5.39/-4.45	-3.76/-3.31	-3.52/-3.41	-2.97/-2.49	-1.01/-0.27	0.39/0.90	1.04/1.91	1.90/0.99	-0.30/-1.54	-3.16/-4.45	-5.29/-6.58	-7.23/-8.35	-8.10/-8.21	-8.32/-11.24	-11.77/-12.16	-12.28/-15.43	-11.75/-13.06	-9.58/-9.43	-12.14/-9.97	-14.38/-11.35	-10.73/-12.99	-9.03/-5.15	-6.16/-7.92	-7.51/-6.46
Θ(120°)	-6.71/-5.87	-4.65/-4.30	-2.50/-1.05	0.29/1.48	2.20/1.83	1.83/1.99	1.62/0.98	0.30/0.51	-0.08/-0.69	-1.06/-2.45	-5.48/-8.51	-10.12/-10.20	-10.17/-10.04	-11.61/-13.36	-15.17/-12.59	-10.76/-13.71	-12.88/-13.71	-15.86/-13.02	-12.51/-10.67	-13.54/-15.20	-10.66/-7.56	-6.00/-5.41	-5.50/-6.83	
Θ(127.5°)	-7.26/-6.28	-4.45/-3.17	-2.25/-1.58	-1.14/-0.09	1.27/2.35	2.65/2.68	2.74/1.64	0.08/0.79	-0.81/-0.55	-1.23/-2.61	-4.39/-5.63	-7.20/-8.97	-11.34/-14.36	-14.32/-13.25	-14.99/-15.12	-14.57/-15.24	-9.57/-9.59	-12.52/-13.97	-14.34/-10.69	-9.38/-15.24	-12.53/-12.18	-14.26/-11.15	-11.57/-11.38	-8.87/-8.46
Θ(135°)	-7.17/-5.07	-3.89/-3.74	-4.37/-4.56	-4.03/-3.15	-1.41/0.17	1.01/1.49	1.35/0.45	-1.31/-3.81	-5.44/-5.49	-5.71/-6.19	-5.87/-5.76	-6.43/-7.03	-7.67/-7.70	-9.19/-11.27	-13.43/-13.41	-14.20/-12.50	-9.98/-11.99	-13.18/-13.67	-13.19/-15.42	-12.77/-10.29	-10.89/-10.22	-8.83/-9.98	-10.68/-12.59	-12.82/-9.72
Θ(142.5°)	-6.54/-0.99	-3.47/-2.00	-1.28/-2.06	-1.32/-2.06	-2.80/-2.86	-2.55/-2.52	-2.77/-3.13	-4.14/-6.33	-8.72/-10.48	-11.55/-10.67	-8.60/-5.89	-4.72/-4.39	-6.41/-6.20	-8.20/-11.13	-12.62/-11.86	-11.78/-12.27	-14.14/-15.61	-12.45/-13.76	-14.55/-13.61	-11.24/-10.84	-12.57/-12.68	-14.91/-13.57	-14.17/-13.56	-11.80/-8.89
Θ(150°)	-8.27/-6.81	-5.17/-4.36	-4.18/-4.25	-4.73/-5.74	-6.64/-7.64	-7.56/-6.84	-5.95/-5.42	-7.87/-6.53	-7.37/-8.51	-10.71/-14.22	-15.43/-14.60	-11.89/-9.90	-9.07/-9.36	-8.29/-7.58	-8.46/-10.15	-13.13/-14.83	-14.91/-13.31	-12.93/-13.79	-14.22/-13.17	-15.79/-15.88	-15.57/-11.50	-10.17/-10.65	-9.44/-9.97	-10.47/-9.56
Θ(157.5°)	-3.71/-2.89	-2.38/-2.27	-2.58/-3.15	-4.04/-5.27	-6.50/-7.19	-6.53/-5.31	-4.33/-4.07	-4.59/-5.62	-6.67/-7.40	-8.27/-9.73	-10.18/-9.46	-9.01/-9.68	-9.97/-10.30	-10.77/-11.36	-12.91/-12.45	-11.59/-9.49	-7.64/-8.01	-11.60/-15.19	-13.18/-12.19	-12.92/-13.23	-12.29/-10.05	-8.28/-8.68	-4.86/-7.43	-5.96/-4.55
Θ(165°)	-4.99/-5.18	-5.44/-5.61	-6.21/-6.76	-6.78/-6.28	-5.85/-5.12	-4.85/-4.92	-5.39/-6.26	-7.91/-9.87	-12.21/-14.74	-15.44/-16.09	-14.83/-15.51	-15.54/-14.19	-13.70/-13.85	-13.78/-13.17	-11.16/-9.39	-7.93/-7.10	-7.03/-7.76	-8.97/-10.06	-10.69/-10.48	-9.59/-9.42	-9.30/-9.78	-10.66/-10.19	-4.88/-6.73	-5.85/-5.56
Θ(172.5°)	-6.95/-6.57	-5.69/-5.67	-5.42/-5.05	-4.61/-4.68	-5.12/-5.56	-5.89/-6.66	-7.39/-8.37	-9.66/-11.48	-13.35/-14.18	-16.06/-13.68	-12.76/-11.41	-10.81/-10.62	-10.67/-10.28	-9.80/-9.60	-9.38/-9.23	-9.35/-9.54	-9.83/-10.27	-10.27/-10.70	-10.30/-10.16	-10.10/-9.64	-9.32/-9.14	-8.71/-8.13	-7.89/-7.53	
Θ(180°)	-9.24/-8.81	-8.49/-8.58	-8.74/-8.83	-8.88/-9.28	-9.93/-10.88	-11.58/-12.20	-12.31/-12.18	-12.26/-11.69	-10.90/-10.46	-10.30/-10.00	-9.97/-10.43	-10.62/-10.90	-10.47/-11.84	-12.74/-14.01	-11.87/-15.02	-14.66/-13.85	-12.70/-11.39	-11.00/-11.51	-12.03/-11.97	-11.77/-10.88	-10.00/-9.88	-9.92/-9.84	-9.41/-9.26	
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°)	-7.83/-7.39	-7.39/-7.53	-7.80/-7.45	-7.32/-7.30	-7.40/-7.65	-7.84/-7.78	-7.45/-7.29	-7.04/-6.63	-6.18/-5.95	-5.80/-5.94	-6.21/-6.56	-7.12/-7.46	-7.27/-7.14	-6.84/-6.37	-6.23/-5.97	-5.94/-5.95	-6.17/-6.39	-6.60/-6.75	-6.87/-7.01	-6.84/-6.75	-6.83/-6.86	-6.86/-7.02	-7.36/-7.94	-8.44/-8.37
Θ(7.5°)	-6.85/-6.63	-5.53/-5.08	-4.83/-4.66	-4.68/-4.80	-4.96/-5.10	-4.96/-4.95	-5.04/-5.11	-5.07/-5.01	-5.02/-5.16	-5.36/-5.37	-5.53/-5.87	-6.13/-6.17	-6.24/-6.35	-6.14/-6.28	-6.27/-6.46	-6.86/-7.45	-7.79/-8.01	-8.30/-8.61	-8.84/-8.73	-8.36/-8.33	-8.22/-9.73	-7.54/-7.40	-7.32/-7.08	-6.85/-6.40
Θ(15°)	-5.73/-5.22	-4.74/-4.17	-3.53/-3.17	-3.08/-3.11	-2.98/-2.72	-2.88/-3.22	-3.55/-3.57	-3.64/-3.51	-3.51/-3.64	-3.94/-4.37	-5.00/-4.58	-5.60/-5.53	-5.55/-4.65	-5.73/-6.15	-6.49/-6.92	-7.31/-7.54	-7.85/-8.19	-8.59/-9.41	-10.20/-10.78	-10.39/-10.12	-9.39/-8.16	-7.12/-6.44	-5.14/-5.79	-5.84/-5.76
Θ(22.5°)	-6.74/-6.01	-4.71/-3.76	-3.19/-2.71	-2.22/-1.68	-1.21/-1.23	-1.19/-1.67	-2.25/-2.93	-3.56/-4.14	-4.49/-4.71	-5.17/-5.50	-5.97/-6.99	-7.88/-8.73	-8.98/-9.59	-10.39/-11.58	-11.80/-10.94	-9.18/-8.26	-7.56/-7.26	-7.38/-8.11	-9.78/-11.73	-12.81/-12.30	-10.85/-9.67	-8.47/-7.87	-7.77/-7.53	-7.50/-7.18
Θ(30°)	-4.92/-3.78	-2.94/-2.08	-1.00/-1.15	0.25/0.41	0.27/0.15	-0.86/-1.86	-2.41/-2.61	-2.90/-3.35	-3.34/-4.00	-3.95/-4.38	-4.87/-6.19	-7.30/-8.64	-8.85/-10.77	-11.20/-10.91	-12.74/-12.30	-13.18/-13.23	-10.31/-8.60	-8.58/-9.76	-11.57/-12.41	-13.63/-13.08	-10.65/-9.95	-10.99/-11.54	-11.34/-10.32	-8.50/-6.15
Θ(37.5°)	-4.46/-3.56	-2.57/-1.87	-1.26/-0.72	-0.46/-0.36	-0.52/-0.81	-1.02/-1.03	-1.21/-1.67	-2.02/-2.16	-2.23/-1.91	-2.29/-3.50	-4.85/-7.11	-8.42/-8.84	-9.13/-9.74	-10.25/-10.96	-12.66/-13.84	-13.93/-10.35	-9.43/-9.29	-9.10/-9.66	-11.68/-14.43	-12.69/-12.46	-13.33/-13.49	-16.01/-13.49	-10.16/-8.54	-6.53/-5.14
Θ(45°)	-5.59/-4.13	-2.38/-1.75	-0.77/-0.14	0.82/1.34	1.45/1.05	0.54/-0.04	-0.67/-1.40	-2.18/-2.85	-3.34/-3.27	-3.26/-4.23	-5.46/-7.32	-8.72/-9.31	-11.01/-13.97	-13.96/-12.94	-13.02/-13.52	-14.62/-15.60	-13.63/-11.16	-9.97/-10.91	-13.76/-15.42	-12.86/-13.80	-15.76/-13.75	-12.48/-12.60	-12.13/-12.55	-9.20/-6.40
Θ(52.5°)	-6.89/-3.94	-1.83/-0.39	1.08/2.00	2.58/2.83	2.62/2.18	1.71/0.90	-0.24/-1.50	-2.82/-3.79	-5.38/-5.82	-6.03/-6.99	-9.54/-9.58	-10.56/-10.83	-12.84/-13.80	-14.57/-12.76	-10.18/-9.63	-10.94/-14.05	-15.74/-12.92	-12.48/-15.18	-12.73/-12.32	-12.76/-12.47	-13.05/-12.61	-13.44/-13.17	-12.77/-11.88	-10.01/-7.34
Θ(60°)	-6.81/-3.89	-2.14/-0.95	-0.54/-0.02	0.98/1.53	1.78/1.47	0.22/-1.64	-4.05/-5.79	-6.07/-5.66	-4.93/-5.28	-5.66/-7.02	-8.24/-8.60	-8.62/-9.49	-8.69/-10.85	-10.45/-11.89	-12.14/-15.75	-15.80/-10.37	-8.10/-8.96	-13.54/-14.19	-15.37/-13.36	-15.00/-16.06	-12.28/-9.38	-12.11/-9.67	-8.32/-8.97	-9.98/-8.26
Θ(67.5°)	-6.90/-4.48	-3.67/-2.74	-2.54/-1.92	-1.52/-0.48	0.58/0.66	0.62/-0.35	-1.93/-2.91	-4.06/-4.47	-5.51/-6.13	-8.17/-11.26	-7.57/-5.22	-5.09/-6.35	-9.29/-9.55	-11.88/-11.53	-10.52/-12.50	-16.16/-14.28	-13.44/-15.80	-14.84/-11.						



Antenna Pattern <6GHz U-NII5~UNII-8>

Appendix D

Θ(75°)	-6.18/-3.87	-2.24/-0.53	0.09/-0.02	-1.87/-2.90	-0.96/-1.59	3.25/3.76	3.29/2.25	1.02/-1.05	2.05/2.94	3.26/2.79	1.54/-0.03	-1.70/-2.51	-3.09/-3.20	-3.65/-4.47	-6.19/-10.62	-13.86/-13.06	-14.14/-12.95	-11.90/-9.85	-12.39/-9.73	-9.43/-9.53	-12.63/-12.70	-10.13/-10.81	-9.81/-9.92	-8.39/-9.46
Θ(82.5°)	-6.55/-3.93	-2.48/-0.70	-0.29/-0.98	-2.96/-3.57	-1.15/-1.20	2.60/-3.9	3.30/-2.29	0.93/-0.88	1.76/-2.52	2.77/-2.22	1.24/-0.13	-1.48/-2.58	-3.67/-3.86	-5.08/-5.84	-7.81/-8.24	-10.02/-12.06	-11.82/-15.26	-12.48/-9.23	-13.35/-16.04	-9.39/-10.63	-14.62/-13.63	-10.94/-11.72	-15.32/-13.20	-10.52/-7.11
Θ(90°)	-6.34/-4.16	-2.39/-1.63	-1.91/-2.46	-2.81/-1.43	0.73/-2.04	2.61/-2.90	2.88/-2.94	2.33/-1.54	1.21/-1.10	1.17/-1.09	0.83/-0.29	-1.25/-3.22	-1.14/-5.46	-5.44/-5.43	-7.15/-8.68	-9.30/-9.27	-10.12/-16.07	-10.02/-14.56	-12.44/-15.66	-13.66/-14.52	-15.55/-14.48	-12.73/-11.17	-9.76/-8.27	
Θ(97.5°)	-6.28/-5.94	-5.13/-4.84	-4.26/-3.85	-2.11/-2.08	2.27/-2.91	2.81/-2.25	2.46/-2.22	2.10/-1.92	1.03/-0.03	-0.58/-0.74	-0.47/-0.26	-1.62/-0.41	-6.97/-8.51	-10.19/-9.64	-9.43/-8.86	-9.28/-13.16	-13.69/-10.50	-12.16/-14.42	-15.23/-14.30	-15.80/-16.21	-15.52/-15.33	-12.82/-12.37	-13.12/-12.46	-10.24/-1.74
Θ(105°)	-7.98/-6.23	-6.43/-6.15	-5.80/-4.00	-1.53/-0.43	1.66/-1.77	1.07/-0.49	1.41/-2.55	2.66/-2.04	0.87/-0.21	-0.22/-0.54	-0.10/-0.05	-0.69/-2.98	-5.57/-8.27	-10.31/-10.24	-9.30/-10.00	-11.48/-11.08	-12.83/-12.23	-11.16/-12.27	-13.20/-11.79	-13.39/-15.25	-11.57/-15.62	-15.56/-15.97	-15.50/-12.11	-11.44/-8.16
Θ(112.5°)	-7.57/-6.40	-5.75/-4.47	-1.82/-0.35	0.76/-1.74	1.85/-0.99	-1.40/-2.42	-1.01/-1.72	2.44/-1.77	0.62/-0.39	-1.16/-1.38	-1.05/-0.60	-0.78/-1.90	-1.53/-5.27	-1.63/-12.56	-13.55/-13.73	-13.23/-15.49	-15.55/-12.12	-12.20/-10.46	-15.01/-15.55	-14.45/-13.90	-13.09/-12.36	-13.78/-12.82	-10.62/-8.34	
Θ(120°)	-7.89/-5.75	-3.81/-2.21	-0.46/-0.75	1.36/-1.02	-0.44/-3.17	-4.51/-2.81	-0.00/-1.54	1.71/-1.26	0.47/-0.04	-0.65/-1.72	-2.73/-3.04	-2.39/-2.77	-3.64/-6.03	-7.22/-8.01	-6.91/-8.46	-14.11/-11.71	-12.70/-10.63	-11.51/-15.18	-18.16/-14.81	-13.35/-15.28	-14.88/-12.69	-12.19/-11.51	-12.71/-14.03	-11.85/-10.39
Θ(127.5°)	-9.97/-7.56	-5.09/-3.25	-1.59/-0.67	-0.33/-1.06	-2.91/-6.52	-5.80/-1.58	0.34/-0.88	0.87/-0.46	0.32/-0.16	-0.83/-1.41	-2.49/-2.84	-3.39/-2.99	-3.07/-4.36	-4.77/-7.06	-8.84/-1.01	-13.10/-15.37	-15.72/-12.05	-13.84/-15.08	-15.00/-13.98	-11.38/-14.15	-11.29/-12.41	-13.32/-14.90	-15.40/-13.91	-12.36/-10.64
Θ(135°)	-7.78/-7.14	-6.28/-4.77	-3.82/-3.17	-3.49/-4.72	-7.33/-11.34	-9.85/-4.86	-1.75/-0.45	-0.04/-0.03	-0.03/-0.21	0.18/-0.42	-1.47/-2.89	-4.44/-5.00	-6.13/-6.63	-7.56/-8.96	-9.62/-10.48	-13.13/-13.55	-13.73/-12.45	-15.10/-13.69	-15.23/-15.23	-12.13/-14.86	-13.22/-14.60	-11.86/-13.60	-13.24/-12.39	-8.33/-8.45
Θ(142.5°)	-9.53/-9.97	-10.33/-9.34	-8.72/-8.24	-8.31/-9.12	-10.57/-11.38	-8.88/-5.76	-3.45/-2.13	-1.74/-1.45	-1.91/-3.15	-4.50/-5.83	-7.08/-6.53	-11.23/-13.50	-14.38/-16.09	-15.58/-14.66	-13.50/-12.89	-10.92/-10.16	-9.48/-10.29	-13.69/-14.84	-14.48/-14.47	-12.18/-13.02	-14.96/-13.97	-10.30/-8.49	-7.68/-7.30	-7.44/-8.66
Θ(150°)	-9.17/-9.64	-10.69/-11.92	-12.16/-11.94	-11.32/-10.80	-10.86/-11.39	-11.15/-10.83	-9.97/-8.35	-7.11/-6.51	-6.75/-7.56	-8.27/-8.80	-8.55/-8.57	-10.19/-13.73	-13.74/-14.73	-15.03/-15.24	-14.84/-14.11	-13.49/-14.21	-14.27/-15.72	-15.07/-15.23	-15.50/-11.91	-11.53/-12.71	-15.11/-14.18	-12.73/-11.36	-9.35/-8.53	
Θ(157.5°)	-11.08/-11.88	-12.51/-13.11	-14.86/-14.87	-13.27/-12.99	-12.58/-12.59	-12.55/-12.99	-11.99/-10.84	-10.01/-8.70	-7.99/-7.18	-6.23/-6.53	-5.51/-5.73	-5.75/-5.57	-5.72/-6.87	-8.88/-11.48	-11.89/-11.83	-12.71/-13.25	-14.23/-14.86	-14.90/-14.96	-15.07/-15.16	-13.18/-11.84	-12.29/-14.68	-14.03/-12.53	-11.48/-11.07	
Θ(165°)	-15.38/-15.55	-15.07/-15.50	-15.93/-15.63	-15.13/-15.28	-15.27/-15.30	-15.29/-15.96	-15.28/-15.48	-13.78/-12.05	-10.49/-9.23	-7.88/-6.73	-5.89/-5.52	-5.59/-6.05	-6.49/-6.55	-6.36/-6.75	-7.52/-9.00	-10.56/-11.31	-10.91/-10.76	-10.15/-9.23	-8.88/-9.09	-10.01/-11.15	-12.19/-12.78	-12.43/-14.37	-16.09/-15.78	-15.22/-14.55
Θ(172.5°)	-15.40/-14.40	-14.06/-14.16	-14.02/-14.78	-15.29/-16.30	-15.16/-14.90	-14.44/-13.91	-12.50/-11.44	-10.39/-9.80	-8.10/-8.73	-8.61/-8.01	-7.69/-7.41	-7.49/-6.99	-7.91/-8.27	-8.99/-9.32	-9.07/-9.06	-9.40/-9.90	-10.26/-10.51	-10.68/-10.84	-11.41/-12.39	-14.00/-14.93	-15.66/-15.01	-15.35/-14.84	-15.15/-15.18	-15.08/-15.07
Θ(180°)	-15.45/-14.89	-15.68/-14.66	-14.22/-14.65	-14.56/-15.62	-14.78/-15.71	-14.71/-14.87	-14.09/-13.24	-13.03/-13.19	-13.30/-13.46	-13.87/-14.24	-13.93/-13.90	-13.63/-13.23	-13.30/-13.51	-13.31/-14.19	-14.85/-15.05	-15.48/-15.13	-15.02/-16.05	-15.46/-15.13	-15.26/-15.92	-15.86/-15.42	-15.39/-15.16	-15.25/-15.80	-15.64/-15.08	-15.59/-15.57
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°)	-8.02/-8.39	-8.41/-8.25	-7.78/-8.59	-8.90/-8.24	-9.30/-9.33	-9.42/-9.31	-9.49/-9.35	-9.10/-9.17	-9.19/-9.12	-9.02/-8.82	-8.81/-8.68	-8.68/-8.49	-8.47/-7.89	-7.79/-7.17	-6.63/-6.25	-5.38/-8.00	-8.30/-8.18	-8.13/-8.50	-8.75/-9.16	-9.03/-8.66	-8.60/-8.79	-8.93/-8.96	-8.79/-8.71	-8.42/-8.27
Θ(7.5°)	-6.01/-6.36	-6.42/-6.46	-6.16/-6.24	-6.64/-6.68	-6.92/-7.46	-7.92/-8.14	-8.42/-8.51	-8.75/-8.97	-8.88/-8.95	-9.09/-9.54	-9.70/-10.15	-10.98/-11.73	-12.21/-11.66	-10.62/-9.88	-9.56/-9.22	-9.74/-10.35	-10.34/-10.04	-9.76/-9.66	-9.93/-10.05	-9.92/-9.40	-8.94/-8.57	-8.34/-7.79	-7.32/-6.68	-6.15/-6.09
Θ(15°)	-5.39/-6.68	-5.76/-5.35	-8.41/-5.48	-4.71/-4.83	-5.18/-5.67	-5.92/-6.16	-6.68/-7.03	-7.57/-8.72	-8.19/-8.53	-8.96/-9.36	-9.55/-9.83	-10.18/-10.86	-11.92/-13.12	-13.45/-13.45	-12.54/-11.17	-10.19/-10.55	-11.80/-12.67	-12.92/-13.28	-12.19/-12.26	-11.45/-10.21	-9.01/-9.72	-7.25/-6.68	-6.01/-5.41	-5.34/-5.38
Θ(22.5°)	-6.36/-6.68	-6.76/-6.78	-6.32/-6.87	-5.67/-5.47	-4.50/-4.86	-4.97/-5.63	-6.42/-7.12	-7.78/-7.69	-7.36/-7.22	-7.41/-7.58	-7.74/-7.74	-7.73/-7.45	-7.49/-8.42	-8.24/-7.67	-8.33/-9.88	-11.85/-13.99	-14.21/-13.49	-12.71/-12.02	-11.01/-9.77	-8.82/-8.14	-7.36/-6.63	-6.31/-6.20		
Θ(30°)	-5.23/-4.90	-4.97/-5.26	-5.52/-5.62	-5.67/-5.42	-5.22/-4.94	-4.73/-5.31	-6.19/-6.40	-6.18/-5.51	-4.86/-4.71	-4.92/-5.31	-5.72/-6.40	-6.89/-7.11	-7.69/-8.96	-10.71/-12.06	-12.79/-11.82	-10.28/-9.05	-9.34/-10.52	-11.64/-12.20	-13.67/-15.56	-14.85/-13.15	-11.89/-11.63	-11.16/-9.45	-7.80/-6.82	-6.10/-5.46
Θ(37.5°)	-5.28/-4.48	-3.98/-3.60	-3.28/-3.78	-4.34/-4.47	-4.49/-4.38	-4.30/-5.15	-6.04/-5.81	-4.73/-3.65	-2.91/-3.00	-3.82/-4.91	-6.41/-7.78	-8.39/-8.85	-9.52/-10.37	-10.91/-12.48	-13.47/-13.19	-11.79/-11.61	-10.30/-12.42	-11.85/-11.21	-11.08/-10.31	-9.59/-9.01	-7.97/-7.27	-6.61/-5.98		
Θ(45°)	-8.37/-8.15	-7.01/-5.74	-4.72/-4.34	-3.92/-3.14	-2.56/-2.33	-2.82/-3.85	-5.14/-5.12	-3.26/-1.81	-0.97/-0.65	-1.10/-2.37	-4.15/-3.60	-7.45/-7.27	-7.23/-7.72	-9.40/-11.55	-13.33/-13.33	-11.85/-11.00	-10.66/-11.27	-12.75/-14.99	-14.73/-11.88	-11.18/-11.33	-11.71/-12.95	-12.67/-11.55	-10.97/-8.82	-9.40/-9.95
Θ(52.5°)	-8.80/-5.66	-5.98/-6.27	-6.61/-7.05	-5.91/-3.23	-0.99/-0.01	-0.33/-1.90	-3.18/-2.53	-1.01/-0.33	-0.29/-0.52	-0.49/-1.98	-3.16/-4.43	-5.50/-6.44	-7.87/-8.75	-11.02/-11.97	-11.85/-11.63	-13.67/-14.90	-12.00/-10.52	-11.02/-13.71	-15.12/-13.57	-12.42/-12.55	-13.91/-14.09	-14.11/-12.00	-9.57/-7.79	-6.63/-5.90
Θ(60°)	-5.13/-3.99	-3.39/-3.04	-3.77/-5.30	-7.03/-4.35	-1.11/-0.76	1.13/-0.35	-1.29/-1.89	-1.11/-0.22	0.58/-0.76	0.45/-0.58	-2.01/-3.65	-4.68/-5.34	-5.84/-6.46	-7.41/-6.56	-9.16/-10.12	-12.38/-14.19	-13.82/-12.00	-12.43/-15.54	-15.68/-14.83	-12.52/-12.71	-15.71/-12.65	-12.18/-9.57	-6.69/-7.41	-6.46/-5.54
Θ(67.5°)	-6.36/-4.42	-2.67/-1.42	-1.36/-2.72	-4.92/-4.26	-1.07/-0.13	1.68/-0.92	-0.04/-0.68	-1.09/-0.34	0.66/-1.47	1.36/-0.14	-1.34/-3.04	-3.96/-4.91	-5.00/-5.25	-5.92/-7.07	-9.42/-12.95	-14.50/-13.60	-14.76/-12.84	-12.59/-13.74	-15.06/-13.27	-12.88/-14.25	-14.39/-13.30	-11.30/-10.84	-9.72/-9.07	-8.28/-6.97
Θ(75°)	-5.69/-3.16	-2.26/-1.04	-1.28/-2.34	-3.57/-3.59	-1.16/-0.98	1.87/-1.72	1.16/-0.58	0.22/-0.47	1.36/-1.84	2.20/-2.04	-0.41/-2.53	-4.86/-6.40	-8.60/-7.46	-8.49/-8.44	-8.85/-10.83	-13.35/-15.14	-13.05/-13.87	-13.23/-14.30	-16.34/-14.82	-11.73/-11.29	-12.43/-13.55	-13.61/-12.31	-11.89/-10.40	-8.81/-6.34
Θ(82.5°)	-4.98/-3.08	-2.28/-1.51	-1.96/-3.42	-4.46/-3.24	-1.01/-0.52	1.11/-1.45	1.60/-1.08	0.20/-0.71	1.88/-2.33	2.15/-0.80	-1.44/-4.23	-6.73/-8.30	-8.70/-9.08	-11.34/-10.37	-10.49/-12.31	-14.50/-16.09	-13.94/-12.60	-15.07/-13.36	-12.17/-15.52	-12.82/-11.29	-14.69/-15.06	-12.81/-13.62	-11.36/-10.45	-7.87/-5.64
Θ(90°)	-7.14/-5.14	-4.30/-4.05	-5.09/-6.60	-5.41/-2.71	-0.30/-0.36	-0.11/-0.27	1.21/-1.66	0.88/-0.53	1.48/-1.44	1.43/-1.03	0.27/-0.95	-3.54/-5.63	-6.84/-6.28	-7.97/-9.53	-9.47/-10.21	-11.71/-15.62	-11.12/-10.29	-14.87/-15.65	-13.38/-12.11	-11.96/-12.66	-12.39/-15.74	-14.88/-15.13	-13.98/-13.40	-11.53/-8.63
Θ(97.5°)	-10.15/-8.87	-7.42/-6.05	-5.59/-4.73	-2.39/-0.07	0.90/-0.73	-0.17/-1.60	0.24/-1.67	1.41/-0.68	1.03/-1.02	1.01/-0.87	0.49/-0.42	-2.81/-5.84	-8.69/-7.67	-8.48/-7.95	-9.05/-11.86	-13.26/-12.64	-15.40/-11.89	-12.14/-15.76	-15.48/-12.44	-15.14/-14.41	-14.20/-14.26	-14.29/-14.50	-12.71/-10.39	
Θ(105°)	-12.73/-11.30	-10.33/-8.00	-5.83/-4.01	-2.33/-0.82	-0.13/-1.15	-3.16/-2.35	0.16/-1.44	0.93/-0.47	0.04/-0.50	-0.22/-0.28	-0.36/-0.80	-2.54/-5.04	-7.92/-11.23	-11.12/-10.69	-9.73/-10.91	-14.63/-14.05	-11.52/-11.25	-12.21/-15.57	-15.57/-9.63	-11.69/-15.59	-15.37/-15.47	-15.79/-15.66	-15.51/-14.64	-15.74/-12.84
Θ(112.5°)	-8.72/-8.49	-7.22/-5.35	-3.67/-2.36	-1.54/-1.89	-2.40/-3.62	-4.85/-2.53	-0.39/-0.47	0.76/-0.74	0.20/-0.42	-1.38/-2.73	-2.68/-2.74	-2.58/-4.28	-6.50/-10.20	-11.69/-14.91	-15.44/-15.14	-13.41/-14.51	-14.97/-13.75	-13.71/-14.76	-14.10/-15.20	-14.97/-15.50	-15.95/-12.98	-15.82/-15.98	-14.88/-14.37	-12.69/-10.30
Θ(120°)	-9.02/-6.67	-6.03/-3.40	-4.90/-2.67	-1.24/-1.66	-4.72/-6.10	-4.90/-2.67	-1.45/-1.13	-1.16/-0.82	-0.78/-1.26	-3.11/-5.30	-6.09/-5.72	-4.73/-5.24	-6.17/-6.12	-14.49/-15.50	-15.48/-12.76	-11.14/-11.14	-12.88/-14.87							



Antenna Pattern <6GHz U-NII5~UNII-8>

Appendix D

Θ (112.5°)	-3.45/-4.66	-7.39/-4.31	-7.18/-6.19	-4.89/-8.52	-13.24/-8.60	-8.48/-10.71	-12.95/-15.34	-13.63/-9.59	-14.21/-13.79	-11.69/-14.20	-13.39/-10.64	-10.94/-9.14	-10.79/-10.08	-8.43/-15.30	-2.93/-3.00	-0.67/-1.03	-15.47/-0.91	3.92/-3.80	-5.15/-0.72	4.56/-2.10	2.94/-0.82	-2.95/-3.72	2.75/-0.50	-0.91/-2.81
Θ (120°)	-5.78/-2.16	-6.84/-4.84	-7.31/-8.42	-5.47/-6.41	-10.00/-14.97	-9.94/-7.65	-10.56/-11.35	-12.94/-11.07	-8.49/-10.89	-12.57/-15.20	-15.00/-13.47	-9.98/-8.89	-15.44/-13.88	-7.58/-15.58	-1.50/-7.72	-3.41/-0.47	-5.69/-0.90	4.65/-1.51	-4.02/-0.16	2.82/-1.39	1.54/-7.29	-3.63/-1.71	2.47/-2.83	-1.71/-1.77
Θ (127.5°)	-7.45/-2.79	-6.44/-6.67	-6.13/-8.24	-7.37/-8.60	-9.65/-11.34	-12.12/-10.61	-10.73/-10.50	-12.42/-11.05	-10.73/-15.52	-15.05/-13.50	-9.69/-14.68	-1.98/-10.59	-15.79/-10.39	-8.59/-8.64	-5.35/-12.29	-7.26/-0.70	-9.79/-0.20	4.09/-0.64	-6.81/-2.21	-1.01/-1.54	-2.43/-6.73	-9.89/-3.23	-0.59/-3.86	-4.01/-3.49
Θ (135°)	-8.17/-7.54	-6.17/-9.68	-9.41/-9.25	-11.26/-13.39	-13.27/-14.14	-14.44/-14.51	-14.58/-13.72	-12.59/-15.74	-14.54/-12.88	-14.81/-15.27	-15.79/-12.12	-14.29/-10.96	-11.89/-8.86	-13.40/-10.54	-14.50/-13.82	-5.47/-7.15	-15.64/-3.69	0.40/-3.22	-6.70/-7.49	-8.43/-4.34	-4.49/-9.53	-6.15/-4.52	-2.75/-4.34	-5.92/-5.14
Θ (142.5°)	-8.13/-8.08	-7.85/-9.64	-7.84/-8.26	-7.84/-8.26	-9.74/-13.35	-15.89/-15.83	-15.07/-15.85	-14.28/-16.23	-15.53/-16.01	-15.02/-13.37	-15.48/-16.60	-15.18/-12.96	-13.30/-12.02	-12.66/-12.12	-9.77/-10.15	-11.67/-9.32	-11.61/-13.21	-11.84/-6.45	-5.17/-13.25	-14.21/-9.42	-8.49/-9.38	-5.72/-9.80	-5.39/-5.75	-5.44/-4.76
Θ (150°)	-8.80/-8.37	-8.43/-9.24	-7.16/-9.84	-8.39/-8.26	-8.33/-10.91	-11.02/-12.33	-14.18/-15.68	-14.96/-15.81	-15.63/-15.45	-14.51/-14.56	-14.67/-12.92	-15.23/-13.94	-15.13/-14.41	-13.64/-13.88	-15.02/-12.35	-15.66/-15.56	-9.86/-8.43	-12.94/-13.84	-12.94/-13.96	-13.32/-14.32	-10.41/-10.36	-8.10/-5.08	-5.16/-6.74	-8.79/-9.89
Θ (157.5°)	-10.23/-9.94	-8.04/-5.91	-5.74/-6.62	-8.10/-10.63	-12.91/-14.93	-14.78/-13.78	-14.00/-15.78	-15.90/-16.07	-14.08/-13.14	-13.36/-14.48	-15.89/-14.55	-15.48/-16.14	-15.65/-15.83	-14.54/-13.62	-14.31/-14.01	-12.94/-10.14	-9.30/-9.99	-11.21/-12.43	-13.62/-14.75	-14.45/-14.96	-12.24/-10.18	-8.68/-7.57	-7.25/-9.16	-12.05/-12.56
Θ (165°)	-10.67/-9.44	-9.51/-10.44	-11.46/-11.58	-11.50/-12.26	-13.46/-14.26	-15.82/-14.77	-15.73/-15.69	-15.13/-15.73	-15.59/-15.78	-14.72/-14.90	-15.11/-15.05	-15.16/-13.41	-13.88/-13.94	-12.14/-9.17	-7.85/-7.29	-7.85/-9.45	-12.66/-15.62	-16.02/-15.49	-14.82/-14.80	-14.13/-14.28	-14.41/-13.17	-13.05/-12.79	-13.31/-13.84	-12.63/-11.14
Θ (172.5°)	-15.82/-15.27	-15.37/-13.86	-12.55/-11.25	-13.29/-14.46	-15.45/-15.45	-15.56/-15.23	-15.37/-15.32	-15.12/-15.98	-13.95/-13.46	-13.77/-14.00	-14.38/-15.60	-15.63/-15.25	-13.28/-13.06	-12.57/-12.41	-12.80/-13.28	-13.60/-14.11	-14.72/-14.74	-14.37/-14.28	-14.08/-14.43	-13.77/-13.18	-13.06/-13.22	-14.45/-14.92	-13.20/-13.91	-13.94/-15.97
Θ (180°)	-15.87/-15.25	-15.57/-15.79	-15.75/-14.90	-16.11/-15.24	-15.40/-15.80	-14.83/-15.77	-15.02/-14.84	-14.98/-14.86	-14.74/-15.02	-14.79/-15.48	-15.64/-15.22	-15.78/-15.54	-14.82/-14.55	-14.78/-13.76	-14.25/-14.60	-14.83/-14.43	-14.50/-14.64	-16.18/-15.07	-15.69/-15.77	-15.69/-15.94	-15.15/-15.48	-15.97/-15.67	-15.27/-15.38	-15.55/-15.79
Freq(Hz)	6.475GHzPol.	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°)	-15.24/-15.26	-14.87/-15.47	-14.86/-14.86	-16.15/-14.72	-15.89/-14.54	-14.85/-15.45	-15.55/-15.78	-15.00/-15.20	-15.42/-15.13	-14.65/-15.77	-14.70/-15.14	-15.42/-15.06	-14.24/-15.94	-15.54/-15.04	-15.66/-15.95	-15.34/-15.75	-15.61/-15.40	-15.57/-15.96	-15.63/-15.18	-15.65/-15.34	-15.48/-15.68	-15.82/-15.39	-15.86/-15.49	-15.41/-15.66
Θ (7.5°)	-14.97/-15.17	-15.57/-15.91	-15.79/-15.91	-14.98/-14.86	-14.03/-14.14	-15.52/-15.86	-15.05/-14.69	-15.02/-15.96	-14.93/-14.86	-15.59/-15.70	-15.37/-15.90	-16.02/-15.50	-15.65/-15.83	-15.14/-15.67	-15.18/-15.54	-15.22/-14.87	-15.49/-15.93	-15.98/-15.20	-15.11/-15.12	-15.65/-15.97	-15.76/-15.20	-14.88/-15.53	-15.21/-15.87	-14.69/-14.75
Θ (15°)	-13.20/-12.31	-13.81/-15.40	-14.85/-15.61	-14.34/-15.74	-15.30/-14.94	-15.06/-15.02	-15.86/-15.54	-15.11/-15.96	-14.81/-15.88	-15.59/-15.28	-14.87/-15.24	-15.24/-15.64	-15.51/-15.58	-15.65/-15.11	-15.62/-14.84	-15.27/-15.31	-14.92/-15.93	-15.30/-15.34	-15.89/-15.27	-15.21/-14.97	-14.90/-14.94	-15.35/-15.56	-14.66/-13.69	-13.73/-12.20
Θ (22.5°)	-10.58/-10.83	-11.38/-12.79	-12.02/-10.99	-11.24/-11.57	-13.63/-14.24	-14.37/-13.83	-14.69/-14.93	-14.38/-15.24	-16.07/-16.08	-16.23/-15.21	-15.08/-14.92	-14.66/-15.03	-15.25/-15.23	-15.40/-15.48	-15.11/-15.01	-15.37/-15.77	-15.21/-15.51	-14.77/-13.43	-12.37/-11.58	-11.59/-11.91	-11.92/-12.49	-14.11/-13.32	-13.37/-13.28	-11.90/-10.69
Θ (30°)	-4.86/-9.11	-6.68/-7.25	-8.13/-9.99	-10.60/-10.36	-11.06/-11.79	-12.57/-13.02	-14.07/-15.40	-14.86/-14.83	-15.33/-10.53	-15.24/-15.43	-15.41/-15.33	-15.42/-15.99	-15.55/-15.40	-15.06/-14.72	-13.25/-12.94	-12.78/-12.68	-10.87/-9.88	-10.11/-10.29	-8.82/-8.04	-7.55/-7.08	-6.84/-7.50	-7.81/-7.97	-7.81/-7.97	-9.09/-9.67
Θ (37.5°)	-5.11/-5.95	-6.84/-6.78	-6.08/-6.89	-9.02/-9.90	-10.60/-11.01	-12.34/-13.90	-13.86/-14.53	-15.80/-15.71	-16.13/-15.13	-14.29/-14.00	-15.24/-15.03	-15.23/-15.94	-15.30/-15.10	-13.20/-14.80	-10.32/-10.88	-11.23/-11.02	-10.28/-9.89	-8.89/-7.99	-5.37/-6.40	-5.80/-4.77	-4.31/-4.65	-4.85/-4.19	-5.16/-6.72	-6.74/-5.50
Θ (45°)	-3.68/-4.78	-5.08/-2.89	-4.41/-7.88	-9.56/-8.99	-8.05/-8.10	-9.96/-11.66	-14.07/-15.26	-15.22/-15.62	-15.70/-15.24	-15.60/-14.09	-14.25/-14.29	-15.75/-15.29	-15.60/-15.07	-12.14/-8.83	-8.19/-12.01	-13.23/-11.52	-11.83/-10.83	-8.49/-7.37	-7.48/-7.71	-7.43/-6.42	-4.25/-4.06	-3.42/-1.71	-1.47/-1.70	-3.07/-3.65
Θ (52.5°)	-3.43/-3.74	-4.53/-4.31	-5.32/-6.79	-6.86/-8.54	-11.61/-12.33	-13.87/-13.34	-15.39/-15.90	-14.33/-15.28	-15.79/-15.21	-15.53/-14.66	-15.55/-14.88	-13.59/-13.61	-13.64/-14.01	-12.85/-11.62	-15.20/-14.94	-10.60/-8.95	-8.34/-8.51	-6.91/-8.54	-4.27/-2.52	-2.03/-2.69	-0.97/-0.67	-0.60/-0.09	-0.07/-0.30	-2.06/-3.02
Θ (60°)	-2.76/-3.23	-3.80/-3.87	-6.53/-7.02	-6.11/-10.76	-10.60/-9.35	-13.73/-12.30	-11.97/-13.59	-14.56/-14.83	-15.13/-14.82	-15.15/-15.93	-14.98/-14.11	-15.17/-15.07	-12.95/-11.06	-15.78/-15.60	-13.85/-11.71	-8.78/-6.95	-6.14/-4.92	-3.08/-2.47	-0.28/-0.44	0.14/-0.23	0.10/-0.01	1.27/-0.71	-1.20/-2.07	
Θ (67.5°)	-1.95/-1.90	-2.47/-5.06	-4.53/-4.49	-7.28/-11.51	-11.14/-10.29	-11.62/-14.98	-14.14/-11.82	-13.16/-12.20	-14.96/-14.84	-14.71/-15.12	-15.83/-14.49	-12.76/-16.10	-10.88/-8.69	-13.60/-13.93	-12.34/-10.79	-5.80/-4.63	-3.97/-2.19	0.13/-0.16	0.180.81	2.69/-2.19	1.960.88	-0.26/-0.87	2.14/-2.08	-0.98/-1.05
Θ (75°)	-0.94/-2.99	-1.96/-2.53	-3.47/-6.92	-7.83/-9.91	-8.42/-10.81	-14.84/-15.84	-13.46/-14.57	-15.47/-15.79	-13.46/-15.23	-15.59/-15.34	-15.68/-15.20	-12.93/-15.73	-14.49/-16.00	-12.40/-13.58	-11.14/-7.27	-3.68/-9.48	-2.01/-1.34	-0.22/-0.09	-0.04/-2.13	3.30/-4.48	4.33/-2.76	0.66/-0.63	1.55/-2.70	-0.64/-0.05
Θ (82.5°)	-0.56/-1.49	-1.27/-2.56	-1.94/-6.30	-8.10/-7.34	-6.98/-15.51	-13.30/-12.36	-9.68/-9.47	-11.29/-14.94	-12.51/-14.34	-15.44/-15.07	-14.53/-15.64	-13.77/-15.71	-11.49/-10.87	-12.38/-12.85	-9.74/-8.74	-4.13/-3.46	-0.99/-2.20	-0.39/-0.39	-0.09/-1.84	2.93/-4.43	3.88/-2.38	0.28/-2.92	1.41/-3.14	-0.89/-2.29
Θ (90°)	0.04/-1.25	-1.27/-2.42	-2.48/-6.85	-8.67/-6.70	-11.33/-14.90	-10.85/-9.21	-10.90/-12.82	-12.51/-15.73	-14.41/-15.10	-14.80/-15.90	-12.34/-15.05	-10.76/-15.42	-10.62/-10.75	-10.74/-12.57	-9.64/-5.23	-4.12/-5.11	-2.48/-4.35	-2.29/-0.27	-3.30/-1.67	1.22/-2.32	1.900.16	0.81/-1.93	1.57/-2.68	-0.45/-0.97
Θ (97.5°)	0.33/-2.25	-1.07/-4.49	-3.79/-5.67	-8.46/-8.96	-14.05/-16.47	-9.99/-9.52	-12.89/-14.97	-15.53/-14.40	-13.39/-15.65	-10.72/-14.07	-15.54/-13.29	-9.89/-12.03	-15.40/-7.88	-7.76/-9.21	-8.14/-7.57	-4.31/-6.24	-3.68/-4.19	-1.81/-0.63	-1.98/-0.67	1.89/-2.33	0.38/-1.35	1.05/-2.13	2.19/-1.24	0.49/-1.50
Θ (105°)	0.11/-4.17	-2.23/-5.72	-5.65/-5.58	-13.24/-8.67	-18/-14.14	-13.35/-13.09	-11.18/-10.12	-15.44/-15.82	-15.04/-15.93	-10.93/-14.55	-16.25/-13.56	-9.29/-8.06	-14.55/-9.30	-6.88/-4.34	-2.90/-1.77	-7.73/-7.17	0.10/-1.07	2.93/-4.19	1.64/-0.82	-1.51/-1.60	1.87/-0.10	1.87/-0.10	1.87/-0.10	1.87/-0.10
Θ (112.5°)	-1.79/-5.35	-4.20/-5.67	-7.97/-6.25	-9.88/-12.68	-7.69/-9.87	-15.30/-14.84	-14.69/-15.41	-15.66/-14.94	-15.04/-15.62	-14.35/-15.35	-15.61/-14.69	-13.76/-14.68	-10.78/-5.99	-8.73/-15.73	-5.97/-4.37	-5.32/-1.74	-9.86/-5.14	1.26/-1.89	-8.75/-4.98	2.67/-1.52	1.39/-2.23	-1.70/-2.70	2.42/-3.28	-0.32/-4.53
Θ (120°)	-3.89/-3.96	-7.92/-5.14	-8.45/-6.64	-8.00/-9.33	-11.28/-9.33	-13.29/-15.12	-15.90/-14.90	-15.79/-14.69	-16.06/-14.60	-13.25/-15.16	-15.77/-14.76	-14.97/-14.14	-10.56/-11.48	-10.63/-15.71	-4.00/-3.84	-8.50/-2.44	-3.83/-9.33	3.59/-1.36	-4.45/-6.39	2.03/-4.04	0.93/-6.93	-6.08/-2.81	1.11/-3.83	-2.01/-4.26
Θ (127.5°)	-6.06/-4.76	-8.82/-6.26	-7.07/-9.00	-10.01/-8.55	-8.59/-10.51	-9.53/-10.51	-14.21/-15.99	-15.40/-13.66	-13.65/-14.37	-15.19/-15.61	-15.08/-14.57	-13.67/-13.06	-14.21/-11.85	-7.65/-15.21	-4.88/-10.16	-4.13/-1.46	-7.50/-2.37	2.38/-1.08	-5.97/-7.42	-2.44/-1.34	-2.58/-10.56	-6.01/-0.94	-0.49/-5.40	-3.75/-4.64
Θ (135°)	-8.60/-7.49	-9.84/-10.39	-8.19/-9.51	-11.82/-11.30	-9.11/-9.85	-11.62/-9.70	-9.91/-11.52	-11.05/-13.26	-15.07/-15.48	-15.15/-15.29	-13.77/-12.42	-14.81/-15.44	-12.16/-8.61	-11.02/-12.86	-9.98/-14.13	-6.98/-8.49	-4.90/-5.13	-0.74/-3.09	-5.28/-10.11	-7.85/-3.03	-6.97/-5.80	-8.36/-4.56	-4.79/-7.11	-7.00/-7.25
Θ (142.5°)	-7.82/-9.68	-11.91/-14.06	-12.53/-10.88	-11.89/-13.41	-14.52/-14.53	-14.05/-14.73	-15.78/-14.02	-13.12/-15.84	-15.35/-15.64	-14.42/-15.52	-15.53/-15.72	-14.42/-13.97	-12.95/-13.65	-12.26/-11.89	-11.65/-12.59	-13.94/-14.50	-12.91/-8.35	-7.08/-10.91	-12.08/-12.03	-11.98/-9.56	-7.53/-4.72	-5.91/-5.93	-4.90/-6.49	-8.81/-9.60
Θ (150°)	-10.03/-10.79	-12.22/-10.70	-10.95/-11.62	-12.66/-13.45	-13.34/-14.92	-15.51/-15.29	-14.97/-14.52	-15.01/-15.73	-14.71/-14.54	-15.57/-14.90	-15.32/-15.40	-15.46/-15.00	-13.59/-14.64	-15.20/-15.69	-14.70/-14.13	-12.7								



Antenna Pattern <6GHz U-NII5~UNII-8>

Appendix D

Θ (165°)	-10.87/8.57	-9.12/-11.36	-12.25/-10.99	-11.03/-12.33	-12.67/-11.73	-11.21/-10.77	-11.22/-11.68	-10.36/-8.57	-7.38/-7.21	-7.75/8.65	-9.50/-9.11	-8.15/-7.41	-6.96/-6.92	-6.71/-6.16	-5.38/-4.89	-5.21/-6.76	-10.06/-13.27	-14.19/-12.77	-12.01/-14.36	-15.80/-14.25	-11.57/8.37	-6.29/-5.75	-7.41/-11.30	-15.45/-14.90	
Θ (172.5°)	-12.75/-11.19	-10.51/-10.81	-10.57/-10.91	-10.90/-12.25	-12.80/-12.12	-11.15/-10.77	-10.95/-11.10	-10.94/-10.69	-11.33/-11.31	-11.01/-10.75	-10.07/-9.15	-8.31/-7.95	-8.00/-8.24	-8.64/-9.19	-9.58/-10.11	-11.35/-12.07	-12.54/-12.97	-13.29/-14.63	-14.67/-13.06	-11.54/-10.07	-9.03/-9.32	-10.15/-11.66	-13.96/-12.91	-12.12/-13.02	
Θ (180°)	-15.02/-14.18	-14.04/-13.13	-12.88/-11.88	-12.20/-12.74	-12.94/-13.03	-12.52/-11.59	-12.05/-11.71	-11.56/-11.87	-11.42/-11.65	-12.41/-12.30	-12.06/-12.00	-12.06/-11.90	-12.37/-12.91	-13.89/-14.29	-14.37/-14.36	-14.12/-14.27	-15.03/-15.97	-15.61/-16.03	-14.96/-14.99	-15.53/-14.15	-14.28/-15.22	-15.27/-13.48	-10.95/-11.12	-11.45/-13.60	
Freq(Hz)	6.475GPol.	TotalAnt. 5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)	
Θ (0°)	-3.30/-3.47	-3.79/-3.99	-3.77/-3.26	-2.92/-3.32	-3.68/-3.80	-3.41/-3.38	-3.29/-3.44	-3.62/-3.65	-3.68/-3.76	-3.77/-3.78	-3.53/-3.63	-3.73/-3.87	-3.87/-3.68	-3.94/-3.86	-3.52/-3.38	-3.72/-4.10	-4.18/-4.03	-3.84/-3.26	-3.07/-3.03	-2.82/-2.62	-2.78/-2.81	-3.04/-3.22	-		
Θ (7.5°)	-5.04/-4.70	-4.45/-4.12	-4.29/-4.02	-3.65/-3.93	-3.91/-3.62	-3.26/-3.04	-2.62/-2.45	-2.44/-2.73	-2.88/-2.92	-2.92/-2.88	-2.91/-2.73	-2.60/-2.70	-2.80/-3.06	-3.06/-3.84	-2.78/-2.56	-2.80/-3.12	-3.55/-4.04	-4.46/-4.81	-4.48/-4.56	-4.48/-4.46	-4.73/-4.84	-4.95/-5.27	-5.38/-5.58	-5.76/-5.34	
Θ (15°)	-8.25/-8.57	-7.71/-6.99	-6.66/-6.38	-5.76/-5.22	-4.19/-4.44	-2.70/-2.18	-1.89/-1.87	-2.08/-2.59	-3.07/-3.39	-3.64/-3.81	-3.65/-3.42	-2.76/-2.51	-2.38/-2.49	-2.80/-2.95	-3.09/-3.16	-3.49/-3.69	-4.01/-4.38	-4.82/-5.44	-5.51/-5.90	-6.31/-6.57	-7.14/-8.01	-8.84/-8.69	-8.90/-9.16	-9.12/-7.89	
Θ (22.5°)	-6.44/-6.76	-7.27/-8.12	-8.12/-8.48	-8.57/-8.03	-5.71/-3.92	-2.80/-2.03	-1.58/-1.48	-1.39/-1.48	-2.01/-2.49	-2.94/-3.24	-2.93/-2.65	-2.42/-2.53	-2.62/-2.53	-2.73/-2.90	-3.39/-3.43	-3.29/-3.59	-4.00/-3.99	-4.33/-4.46	-4.87/-4.94	-5.52/-5.61	-5.09/-4.91	-4.82/-5.16	-5.77/-5.99	-	
Θ (30°)	-5.23/-5.41	-5.05/-5.43	-5.36/-4.71	-4.71/-5.04	-5.27/-4.99	-4.03/-2.78	-1.53/-1.13	-1.15/-1.50	-1.72/-1.99	-2.21/-2.47	-2.23/-1.77	-1.51/-1.59	-1.80/-1.53	-1.32/-1.41	-1.80/-2.52	-3.01/-2.84	-2.91/-2.83	-2.89/-3.41	-4.25/-4.99	-4.68/-4.00	-3.80/-3.41	-3.46/-3.96	-4.70/-5.67	-5.71/-4.79	
Θ (37.5°)	-3.66/-3.02	-3.56/-3.83	-2.83/-2.89	-3.92/-4.64	-4.78/-3.76	-2.81/-2.20	-1.84/-1.57	-1.02/-0.77	-1.14/-2.07	-2.70/-3.24	-3.24/-2.79	-2.41/-2.64	-2.79/-2.57	-2.43/-2.52	-2.84/-2.79	-2.54/-2.81	-3.66/-3.84	-4.73/-5.38	-4.95/-4.21	-4.73/-4.79	-4.51/-4.26	-4.73/-4.82	-4.49/-4.52	-5.07/-5.23	
Θ (45°)	-1.22/-0.24	1.190/0.9	-1.29/-1.73	-2.16/-1.94	-1.97/-2.64	-4.03/-3.60	-2.04/-0.99	-1.68/-0.05	-1.39/-0.58	-4.85/-4.83	-4.37/-4.48	-4.80/-5.12	-5.26/-5.37	-5.57/-4.00	-2.64/-2.23	-2.19/-3.59	-5.72/-6.31	-4.56/-3.17	-2.79/-2.59	-2.55/-3.00	-3.60/-3.88	-3.92/-2.94	-1.51/-1.23	-	
Θ (52.5°)	-1.17/-0.68	0.100/0.16	-0.04/-0.49	-1.59/-2.43	-3.08/-2.76	-2.54/-2.35	-2.25/-2.02	-1.66/-1.93	-2.86/-4.26	-6.06/-6.39	-4.98/-3.70	-3.30/-3.07	-3.41/-4.74	-5.76/-5.07	-3.40/-2.13	-1.14/-0.48	-1.34/-3.41	-7.67/-6.04	-4.08/-3.11	-3.58/-4.22	-3.34/-2.69	-3.87/-4.31	-2.95/-3.01	-2.13/-1.21	
Θ (60°)	-1.30/-1.20	-2.38/-2.53	-1.44/-0.53	-0.40/-1.09	-2.80/-3.41	-3.43/-2.52	-1.79/-1.27	-1.55/-2.45	-3.92/-7.35	-9.55/-6.80	-3.69/-2.15	-2.17/-2.70	-2.78/-2.66	-2.83/-2.43	-2.61/-1.92	-1.43/-1.81	-2.34/-3.45	-6.54/-7.31	-7.45/-7.55	-4.94/-4.74	-2.26/-1.32	-1.48/-2.31	-1.95/-1.67	-	
Θ (67.5°)	-0.67/-0.91	-0.20/-3.29	-3.95/-3.39	-1.96/-1.03	-2.52/-5.03	-7.11/-3.84	-1.60/-1.71	-4.66/-3.90	-4.95/-6.92	-7.05/-4.16	-1.42/-0.57	-0.62/-1.52	-1.78/-1.90	-2.63/-3.55	-2.10/-2.03	-2.57/-7.28	-1.92/-3.70	-7.37/-9.54	-5.99/-4.78	-4.63/-5.26	-5.66/-4.71	-2.98/-3.50	-4.51/-3.36	-1.77/-0.78	
Θ (75°)	-1.50/-1.05	-2.89/-3.26	-3.85/-3.97	-5.40/-6.89	-8.31/-6.10	-5.42/-5.10	-5.81/-4.74	-2.47/-3.50	-5.81/-5.06	-3.30/-3.26	-2.71/-2.13	-1.78/-2.27	-2.07/-2.41	-2.35/-2.17	-2.57/-2.66	-3.05/-2.13	-1.82/-4.32	-4.56/-6.60	-6.00/-6.34	-7.33/-8.71	-5.80/-3.98	-5.29/-6.30	-4.63/-3.48	-2.37/-0.90	
Θ (82.5°)	-1.58/-2.13	-0.60/-6.69	-6.88/-5.24	-3.34/-2.99	-5.46/-6.06	-6.52/-6.66	-6.70/-0.53	-4.36/-5.76	-7.95/-5.26	-2.17/-2.15	-2.44/-2.91	-3.34/-3.92	-3.32/-4.23	-2.93/-2.90	-2.56/-2.77	-2.92/-1.30	-2.35/-3.68	-3.59/-4.06	-3.16/-3.26	-3.92/-4.69	-4.50/-3.43	-4.11/-4.31	-5.12/-3.13	-1.30/-0.20	
Θ (90°)	-3.84/-5.04	-7.02/-4.67	-15.31/-12.77	-10.69/-8.85	-8.67/-7.24	-7.65/-5.90	-7.24/-4.66	-5.67/-7.95	-5.88/-4.12	-4.23/-3.85	-1.82/-1.96	-3.15/-3.88	-4.34/-4.86	-4.61/-3.45	-2.86/-3.84	-2.34/-2.23	-5.42/-4.32	-3.54/-4.04	-2.96/-4.17	-6.81/-5.61	-3.11/-4.22	-5.95/-4.66	-3.63/-2.25	-	
Θ (97.5°)	-5.28/-7.02	-8.38/-13.24	-14.51/-12.02	-10.98/-10.35	-16.03/-12.95	-7.39/-7.65	-7.79/-7.75	-5.63/-5.99	-7.67/-4.43	-2.71/-4.42	-5.30/-5.72	-5.02/-5.06	-4.98/-5.86	-4.76/-4.16	-5.67/-5.57	-2.95/-2.27	-3.63/-3.21	-3.34/-3.04	-1.68/-1.20	-2.45/-5.70	-3.26/-2.61	-4.15/-7.65	-10.15/-8.50	-5.65/-4.25	
Θ (105°)	-9.01/-10.72	-9.65/-11.49	-10.25/-10.41	-9.47/-8.68	-15.48/-11.98	-8.23/-9.12	-10.19/-9.76	-4.43/-4.53	-10.49/-5.80	-2.83/-3.32	-3.92/-4.96	-4.29/-6.03	-5.16/-8.71	-4.31/-2.75	-3.33/-2.16	-1.75/-2.07	-2.54/-2.52	-2.06/-3.56	-0.94/-0.10	-1.59/-2.83	-4.64/-5.51	-7.22/-7.99	-10.58/-13.94	-12.00/-9.18	
Θ (112.5°)	-7.29/-9.93	-9.06/-13.35	-13.78/-13.28	-14.10/-11.23	-11.95/-15.49	-8.13/-9.92	-6.70/-6.68	-6.26/-5.21	-7.40/-6.41	-7.19/-5.57	-4.22/-3.71	-3.71/-3.60	-4.46/-5.20	-2.97/-3.25	-3.16/-4.52	-4.49/-5.37	-5.57/-4.67	-1.14/-1.15	-1.28/-1.55	-12.26/-12.02	-9.88/-12.69	-14.76/-15.41	-12.18/-9.15	-	
Θ (120°)	-14.97/-13.86	-13.35/-12.28	-11.41/-10.21	-11.45/-12.60	-11.86/-8.62	-7.27/-6.13	-6.81/-8.56	-11.98/-12.63	-6.69/-7.91	-11.79/-7.01	-6.55/-4.63	-5.80/-3.57	-2.92/-2.15	-1.53/-2.06	-3.63/-7.08	-6.75/-4.76	-4.52/-4.76	-9.17/-7.28	-4.08/-2.99	-5.27/-8.97	-11.22/-9.71	-9.52/-11.01	-11.31/-10.72	-11.37/-14.31	
Θ (127.5°)	-9.86/-9.28	-10.19/-10.15	-9.36/-10.03	-10.98/-11.43	-14.64/-14.34	-10.03/-7.46	-7.22/-10.31	-12.92/-8.85	-6.63/-7.21	-7.74/-8.71	-6.57/-5.78	-5.91/-6.27	-6.16/-6.55	-6.87/-4.12	-4.18/-6.38	-4.91/-2.40	-3.65/-5.51	-5.40/-5.74	-7.14/-2.97	-7.70/-14.98	-9.69/-6.07	-7.78/-10.22	-13.24/-12.94	-9.98/-9.14	
Θ (135°)	-10.55/-12.76	7.62/8.46	-10.90/-15.02	-14.76/-11.37	-9.46/-9.63	-10.67/-11.29	-9.63/-6.83	-8.48/-11.79	-12.02/-7.87	-6.18/-5.69	-7.77/-8.46	-10.40/-9.24	-9.49/-9.36	-7.87/-6.69	-7.19/-7.68	-5.13/-4.98	-8.21/-11.09	-7.89/-4.95	-3.88/-7.54	-3.78/-9.44	-14.11/-5.87	-4.00/-9.33	-6.97/-12.47	-11.91/-12.58	-13.56/-12.92
Θ (142.5°)	-10.35/-9.84	-10.96/-8.53	-6.82/-7.37	-9.00/-10.90	-9.84/-9.41	-9.98/-11.28	-12.23/-11.96	-8.53/-8.47	-10.61/-11.53	-10.40/-9.42	-9.49/-9.36	-7.87/-6.69	-7.19/-7.68	-5.13/-4.98	-8.21/-11.09	-7.89/-4.95	-3.88/-7.54	-3.78/-9.44	-14.11/-5.87	-4.00/-9.33	-6.97/-12.47	-11.91/-12.58	-13.56/-12.92	-	
Θ (150°)	-5.67/-8.77	-11.82/-13.40	-13.74/-15.32	-14.25/-12.15	-10.41/-8.76	-9.50/-12.44	-15.80/-11.05	-10.53/-12.06	-11.77/-13.55	-14.13/-12.89	-9.82/-9.89	-8.99/-8.01	-8.02/-6.89	-3.98/-3.31	-4.54/-6.21	-8.41/-9.11	-9.11/-6.97	-6.56/-10.62	-11.88/-8.97	-7.96/-5.90	-9.73/-13.72	-12.00/-14.02	-14.23/-14.73	-9.89/-5.33	
Θ (157.5°)	-11.85/-12.49	-15.25/-15.76	-15.79/-15.28	-14.54/-16.07	-13.11/-11.47	-12.76/-15.06	-16.16/-15.25	-15.70/-15.46	-12.43/-9.09	-7.65/-7.98	-10.22/-10.70	-11.78/-10.84	-10.31/-9.53	-8.56/-8.11	-7.27/-7.54	-10.92/-9.73	-7.58/-7.94	-9.95/-11.41	-10.66/-10.81	-13.49/-15.19	-13.78/-10.75	-8.67/-7.96	-9.41/-10.79	-12.71/-12.88	
Θ (165°)	-11.67/-10.51	-12.01/-12.15	-11.94/-12.49	-13.67/-14.35	-15.22/-15.15	-15.76/-15.60	-16.20/-15.31	-15.73/-12.86	-10.49/-8.60	-7.44/-6.83	-6.82/-7.09	-6.93/-6.49	-6.37/-6.59	-7.24/-8.16	-8.34/-7.34	-6.07/-5.31	-6.04/-9.22	-11.59/-13.60	-11.94/-12.62	-15.13/-13.48	-10.59/-9.43	-9.37/-9.37	-11.65/-14.91	-15.38/-14.43	
Θ (172.5°)	-14.97/-13.69	-13.17/-13.57	-13.51/-13.04	-13.58/-13.56	-12.90/-12.27	-11.70/-11.03	-12.67/-14.00	-13.47/-12.35	-11.54/-10.55	-9.64/-8.77	-8.35/-8.40	-8.49/-8.39	-8.41/-8.49	-8.07/-7.75	-8.07/-8.28	-8.45/-8.63	-9.34/-10.73	-11.49/-12.11	-11.85/-13.04	-12.24/-10.41	-9.77/-10.68	-12.71/-15.54	-15.24/-15.40	-14.40/-13.70	
Θ (180°)	-15.82/-14.94	-14.39/-14.44	-13.42/-11.79	-12.06/-13.29	-13.78/-13.63	-12.92/-13.26	-13.88/-14.85	-14.65/-14.46	-14.94/-14.93	-14.23/-13.59	-13.27/-13.33	-12.71/-12.33	-12.26/-12.21	-12.35/-13.44	-13.74/-14.38	-14.57/-14.09	-13.12/-11.46	-10.35/-9.99	-10.57/-11.32	-11.78/-12.70	-13.55/-13.71	-13.77/-13.08	-12.87/-13.94	-15.53/-14.97	
Freq(Hz)	6.695GPol.	TotalAnt. 5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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°)	-1.87/-1.61	-1.21/-0.81	-1.02/-1.37	-1.50/-1.66	-1.78/-1.75	-1.67/-1.35	-1.35/-1.39	-1.37/-1.58	-1.51/-1.31	-1.27/-1.13	-1.21/-1.40	-1.58/-1.74	-1.92/-1.88	-1.59/-1.47	-1.20/-1.30	-1.17/-1.70	-1.83/-1.76	-1.61/-1.52	-1.55/-1.45	-1.44/-1.28	-1.18/-1.16	-1.42/-1.88	-1.95/-1.94	-	
Θ (7.5°)	-3.62/-3.43	-2.10/-2.82	-2.40/-2.47	-2.39/-2.30	-2.29/-2.25	-2.04/-1.58	-1.53/-1.52	-1.70/-1.67	-1.61/-1.46	-1.33/-1.31	-1.34/-1.31	-1.30/-1.28	-1.37/-1.47	-1.50/-1.45	-1.35/-1.23	-1.13/-1.18	-1.39/-1.52	-1.82/-1.88	-1.94/-2.15	-2.27/-2.17	-2.13/-2.54	-3.03/-2.99	-3.15/-3.41	-3.56/-3.81	
Θ (15°)	-3.73/-3.38	-3.71/-4.25	-4.24/-4.52	-4.29/-4.00	-3.72/-3.13	-2.65/-2.20	-2.02/-1.75	-1.61/-2.16	-1.20/-1.28	-1.25/-1.29	-1.24														



Antenna Pattern <6GHz U-NII5~UNII-8>

Appendix D

Θ(75°)	-12.15/-12.86	-11.85/-11.13	-11.78/-12.31	-12.72/-13.25	-13.59/-14.32	-13.96/-13.71	-13.14/-12.46	-12.44/-12.24	-11.68/-12.26	-12.88/-11.49	-12.29/-11.68	-11.72/-12.18	-13.05/-12.98	-12.63/-12.18	-11.58/-11.52	-11.23/-10.60	-9.95/-9.56	-9.43/-9.14	-8.93/-8.51	-8.48/-9.15	-9.83/-10.92	-11.95/-12.40	-12.62/-12.22	-11.91/-11.67	
Θ(15°)	-6.99/-6.61	-5.96/-6.75	-7.44/-8.30	-9.33/-9.84	-9.48/-9.71	-8.84/-8.96	-9.83/-11.03	-11.90/-12.72	-13.73/-13.71	-12.89/-11.49	-10.80/-9.11	-8.92/-8.68	-8.62/-8.84	-8.33/-7.61	-7.10/-6.83	-6.29/-6.06	-5.60/-5.57	-5.81/-6.14	-6.53/-6.58	-6.82/-7.50	-8.00/-8.60	-8.77/-8.01	-7.50/-7.12	-7.11/-7.47	
Θ(127.5°)	-6.40/-6.00	-5.99/-8.51	-6.31/-2.76	-6.92/-6.89	-6.87/-6.89	-6.18/-6.13	-5.88/-6.28	-7.29/-6.16	-8.95/-9.81	-8.99/-9.02	-8.18/-7.72	-7.52/-7.39	-7.03/-6.83	-6.77/-6.85	-6.55/-6.47	-6.58/-6.77	-7.92/-9.06	-6.39/-8.76	-7.74/-7.03	-6.73/-6.10	-6.85/-6.87	-7.46/-5.85	-4.62/-4.60	-5.58/-6.42	
Θ(30°)	-3.50/-3.09	-3.07/-4.09	-5.70/-6.61	-6.75/-6.92	-6.31/-5.38	-4.92/-4.77	-4.77/-4.86	-5.35/-5.67	-5.87/-5.56	-5.05/-5.09	-4.50/-3.60	-3.91/-4.54	-4.58/-4.20	-4.24/-4.53	-5.22/-6.06	-6.22/-6.01	-6.18/-6.82	-7.24/-6.95	-6.28/-6.41	-7.34/-8.07	-8.18/-7.62	-6.64/-5.24	-3.86/-3.18	-3.33/-3.54	
Θ(37.5°)	-2.78/-4.64	-4.69/-4.06	-4.94/-5.82	-5.69/-6.81	-5.98/-4.75	-3.12/-1.99	-1.79/-2.13	-2.78/-3.61	-4.41/-5.03	-4.48/-4.50	-4.76/-5.68	-6.24/-3.63	-4.74/-5.13	-4.80/-3.90	-3.61/-3.46	-2.79/-2.81	-3.31/-3.18	-3.39/-3.90	-4.49/-4.34	-3.96/-4.26	-4.29/-4.20	-4.44/-4.24	-3.27/-2.69	-2.25/-2.28	
Θ(45°)	-3.79/-3.38	-3.60/-3.65	-3.86/-4.67	-5.84/-5.83	-5.23/-3.82	-2.32/-1.68	-1.78/-1.88	-2.04/-2.45	-3.02/-3.36	-4.51/-5.57	-5.98/-6.18	-5.48/-4.06	-3.68/-3.58	-3.49/-3.17	-2.88/-3.21	-4.44/-6.06	-6.30/-6.05	-6.33/-6.21	-6.82/-6.98	-8.42/-9.45	-9.19/-7.21	-4.96/-3.46	-3.07/-3.83	-4.11/-4.14	
Θ(52.5°)	-2.79/-2.92	-3.02/-2.91	-2.93/-3.42	-4.47/-4.27	-3.33/-2.09	-1.14/-0.65	-0.84/-0.83	-1.17/-1.98	-3.24/-4.10	-4.69/-4.56	-4.70/-5.14	-6.67/-8.47	-7.78/-6.51	-5.84/-5.58	-6.09/-5.55	-4.46/-4.11	-3.54/-3.61	-3.37/-3.07	-3.96/-4.58	-3.83/-3.71	-4.76/-5.63	-5.87/-6.64	-3.85/-2.53	-2.38/-2.58	
Θ(60°)	-2.54/-2.13	-1.80/-2.04	-2.46/-2.75	-3.03/-3.41	-3.52/-2.63	-0.96/-0.16	0.020/36	0.35/-0.55	-1.84/-2.59	-2.97/-2.94	-3.56/-4.23	-4.42/-6.54	-7.23/-9.36	-8.82/-6.75	-5.66/-4.44	-3.75/-4.53	-4.58/-3.35	-1.72/-1.30	-1.61/-1.50	-2.37/-2.31	-2.98/-3.19	-2.18/-1.79	-2.09/-1.95	-1.98/-2.11	
Θ(67.5°)	-0.93/-1.60	-1.76/-2.12	-1.94/-1.62	-1.42/-2.18	-2.74/-2.00	-1.96/-2.11	-2.18/-2.04	-2.19/-1.55	-1.36/-0.80	-0.84/-1.54	-2.80/-3.66	-3.24/-3.78	-4.44/-9.11	-9.55/-8.14	-6.42/-4.06	-4.73/-5.53	-5.68/-6.41	-5.26/-5.14	-4.57/-3.18	-2.44/-3.00	-2.74/-4.39	-3.21/-2.56	-1.71/-0.87	-1.00/-1.14	
Θ(75°)	-3.25/-2.56	-2.10/-2.16	-3.75/-4.05	-3.74/-2.68	-2.04/-1.56	-1.65/-1.79	-2.23/-2.54	-2.23/-2.09	-2.19/-2.07	-1.86/-2.07	-1.91/-2.66	-3.87/-5.42	-5.66/-6.63	-5.71/-7.67	-9.25/-7.58	-8.19/-6.72	-7.07/-6.54	-4.80/-3.44	-2.17/-2.03	-2.45/-2.64	-1.92/-2.87	-2.95/-1.89	-0.99/-1.61	-2.75/-3.40	
Θ(82.5°)	-1.68/-1.73	-2.05/-2.37	-3.03/-2.06	-0.450/39	0.35/-0.13	-1.10/-1.57	-1.75/-2.55	-2.83/-2.21	-2.45/-1.77	-1.68/-3.03	-3.68/-2.52	-3.00/-2.93	-5.31/-5.59	-5.82/-7.51	-5.73/-6.80	-8.27/-5.77	-7.57/-7.25	-7.00/-6.38	-6.20/-5.84	-4.19/-3.84	-3.11/-2.20	-3.17/-1.64	-1.74/-1.50	-2.09/-2.33	
Θ(90°)	-2.67/-3.04	-2.12/-0.84	-0.81/-0.77	-1.18/-1.41	-0.970/09	-0.65/-1.35	-1.52/-1.73	-2.55/-3.20	-5.98/-5.26	-5.42/-4.75	-3.52/-3.41	-4.89/-4.72	-5.67/-4.61	-5.14/-8.81	-7.87/-10.98	-5.92/-3.75	-4.60/-2.69	-2.32/-1.43	-0.71/-1.45	-0.720/18	-1.65/-1.48	-3.29/-3.36	-1.44/-1.60	-2.18/-2.22	
Θ(97.5°)	-4.59/-4.76	-4.46/-4.64	-5.02/-3.74	-1.64/-0.97	-0.95/-0.06	-1.45/-2.98	-3.74/-5.49	-6.18/-5.20	-4.68/-3.77	-5.15/-7.16	-7.98/-5.62	-5.34/-3.37	-6.89/-4.78	-5.99/-6.44	-6.46/-7.00	-4.14/-6.15	-6.37/-4.86	-3.48/-2.17	-1.35/-1.33	-0.30/0.97	-0.68/-1.69	-3.04/-3.47	-2.66/-2.31	-4.52/-3.78	
Θ(105°)	-5.45/-8.25	-6.19/-6.71	-5.60/-10.5	-3.12/-2.43	-0.97/-2.22	-3.12/-5.82	-7.00/-6.79	-5.86/-5.93	-6.80/-4.52	-6.22/-6.52	-9.69/-7.31	-7.55/-5.17	-7.43/-5.34	-10.32/-15.13	-6.44/-5.56	-4.69/-2.68	-0.570/78	0.81/-0.23	0.31/1.04	0.89/-0.48	-1.32/-3.14	-3.28/-2.64	-4.56/-6.08		
Θ(112.5°)	-1.125/-7.62	-5.20/-3.70	-4.67/-6.19	-7.01/-4.06	-6.26/-6.25	-3.82/-4.99	-6.11/-6.30	-7.57/-10.20	-9.04/-8.42	-11.77/-10.25	-13.89/-11.92	-12.72/-11.49	-10.07/-9.18	-9.97/-5.78	-7.64/-10.58	-10.12/-9.01	-8.84/-5.04	-4.71/-1.57	-0.830/29	0.29/-1.07	-0.51/-1.14	0.10/-0.03	-2.01/-3.33	-3.91/-4.19	-6.68/-12.82
Θ(120°)	-8.50/-8.14	-5.51/-3.46	-3.70/-2.35	-3.11/-3.65	-2.50/-6.77	-6.56/-4.70	-5.94/-7.15	-10.08/-9.07	-7.74/-12.45	-15.99/-15.41	-13.09/-14.84	-9.69/-8.85	-9.20/-8.77	-10.57/-10.95	-13.10/-9.22	-6.81/-7.93	-5.61/-6.64	-4.60/-1.46	-2.69/-3.24	-1.370/14	-1.91/-4.67	-6.44/-10.43	-4.93/-3.47	-5.92/-8.13	
Θ(127.5°)	-4.72/-5.25	-5.34/-6.31	-3.31/-3.05	-2.44/-4.26	-3.90/-2.79	-4.28/-5.93	-5.90/-6.71	-12.75/-14.82	-10.66/-10.26	-11.99/-9.26	-13.71/-12.04	-11.99/-9.26	-13.71/-12.04	-11.99/-9.26	-13.71/-12.04	-11.99/-9.26	-13.71/-12.04	-11.99/-9.26	-13.71/-12.04	-11.99/-9.26	-13.71/-12.04	-11.99/-9.26	-13.71/-12.04	-11.99/-9.26	
Θ(135°)	-5.72/-5.61	-6.30/-6.24	-5.57/-4.69	-4.43/-3.16	-3.71/-4.44	-5.43/-6.63	-7.28/-7.56	-8.25/-9.79	-11.32/-11.02	-11.52/-12.48	-13.89/-11.92	-12.04/-15.29	-12.94/-8.85	-11.36/-15.14	-12.14/-13.76	-10.80/-9.54	-6.54/-13.99	-7.94/-4.08	-7.74/-10.51	-4.21/-3.23	-4.17/-4.09	-8.54/-8.60	-2.97/-1.33	-2.86/-5.91	
Θ(142.5°)	-5.18/-5.72	-6.44/-6.77	-8.77/-9.30	-8.72/-8.50	-6.69/-5.49	-5.66/-6.67	-7.29/-8.40	-9.84/-11.29	-13.66/-14.13	-11.99/-10.58	-9.87/-12.76	-12.05/-11.98	-8.97/-7.37	-10.77/-13.43	-13.02/-10.12	-8.40/-8.30	-12.35/-6.46	-2.98/-4.21	-8.90/-7.77	-4.86/-2.45	-2.04/-3.01	-6.19/-15.36	-8.09/-4.30	-6.89/-6.15	
Θ(150°)	-9.21/-7.37	-8.48/-8.53	-7.38/-8.18	-8.67/-8.32	-9.31/-10.27	-10.28/-11.01	-11.61/-11.04	-10.07/-8.40	-6.91/-6.98	-9.16/-12.96	-15.49/-14.46	-15.29/-13.92	-9.31/-10.85	-15.22/-16.06	-15.80/-13.72	-14.60/-10.75	-11.16/-7.29	-4.68/-6.41	-8.85/-7.29	-5.05/-5.42	-7.00/-9.85	-9.89/-9.34	-6.86/-6.31	-7.93/-10.51	
Θ(157.5°)	-11.34/-10.55	-12.00/-13.43	-13.57/-13.16	-12.73/-13.63	-13.33/-13.22	-11.74/-10.03	-9.05/-8.52	-8.24/-8.12	-8.59/-9.39	-10.18/-11.25	-10.84/-6.75	-5.37/-6.38	-9.51/-10.46	-9.66/-10.63	-11.30/-10.61	-13.78/-13.39	-13.83/-14.86	-13.17/-14.09	-15.84/-13.95	-14.97/-13.20	-10.78/-10.07	-8.34/-7.17	-6.77/-7.36	-9.68/-13.36	
Θ(165°)	-4.92/-4.86	-5.28/-6.76	-8.32/-8.96	-9.08/-9.31	-9.87/-9.74	-9.94/-11.81	-13.60/-14.50	-15.36/-15.03	-15.35/-15.30	-15.17/-13.95	-11.46/-9.99	-9.03/-8.47	-7.93/-7.39	-6.71/-5.57	-4.59/-4.55	-6.96/-8.66	-11.18/-12.01	-11.46/-10.90	-10.42/-9.28	-8.27/-7.75	-7.65/-7.29	-6.42/-6.97	-8.61/-8.81	-6.85/-6.41	
Θ(172.5°)	-11.46/-10.71	-11.36/-10.38	-9.24/-10.22	-11.74/-12.02	-12.56/-12.55	-13.70/-13.54	-12.73/-12.25	-11.14/-9.72	-8.83/-8.60	-8.80/-9.32	-9.67/-10.49	-9.59/-8.32	-7.09/-6.14	-5.71/-5.20	-5.05/-5.36	-6.06/-7.24	-8.41/-9.79	-10.80/-11.32	-10.76/-10.15	-10.10/-9.99	-10.15/-10.75	-10.15/-9.81	-8.67/-8.16	-8.49/-10.67	
Θ(180°)	-8.74/-6.84	-8.02/-7.32	-7.58/-9.27	-9.75/-9.28	-9.13/-9.25	-9.38/-8.59	-8.61/-8.66	-8.67/-8.94	-8.19/-9.67	-9.93/-10.07	-10.32/-10.49	-10.42/-9.92	-9.67/-9.62	-9.91/-10.00	-10.07/-9.91	-9.95/-10.09	-9.98/-9.92	-9.67/-9.59	-9.82/-9.96	-9.87/-10.12	-10.95/-11.20	-11.02/-10.77	-10.83/-11.28	-13.07/-11.75	
Freq(Hz)	6.695GPol.	TotalAnt. 6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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°)	-13.14/-12.76	-12.74/-13.05	-12.50/-12.56	-12.55/-11.84	-11.49/-11.55	-11.58/-11.13	-11.88/-11.64	-11.32/-10.45	-9.79/-9.73	-9.73/-10.25	-11.48/-11.51	-11.49/-11.32	-11.46/-11.19	-10.66/-10.75	-10.53/-10.73	-10.52/-10.97	-11.38/-11.62	-11.85/-11.56	-11.59/-11.48	-10.85/-11.28	-12.44/-12.98	-12.57/-12.56	-12.25/-11.61	-12.06/-12.32	
Θ(7.5°)	-8.65/-7.51	-8.51/-9.31	-8.68/-9.53	-9.97/-10.11	-11.04/-11.62	-13.17/-13.56	-14.17/-14.77	-15.18/-15.31	-15.12/-14.57	-13.84/-13.77	-14.13/-16.29	-15.14/-15.15	-15.30/-15.13	-15.32/-15.11	-15.44/-15.25	-15.13/-14.87	-15.98/-15.69	-15.12/-13.94	-13.30/-12.41	-11.79/-10.98	-10.76/-10.32	-10.04/-9.78	-9.36/-9.25		
Θ(15°)	-5.52/-5.37	-6.81/-6.40	-6.62/-7.15	-8.11/-9.04	-9.53/-9.75	-10.45/-10.85	-10.97/-10.87	-10.96/-11.86	-12.94/-14.89	-13.93/-12.01	-10.73/-10.08	-10.62/-11.52	-11.74/-11.83	-10.96/-12.03	-9.80/-9.50	-9.18/-8.84	-8.62/-8.24	-7.94/-7.87	-7.82/-7.94	-7.85/-7.73	-8.17/-8.09	-7.56/-7.24	-7.60/-7.50	-7.70/-6.45	
Θ(22.5°)	-3.09/-3.67	-4.52/-5.58	-6.58/-6.89	-6.74/-7.13	-7.88/-8.06	-8.03/-7.10	-6.24/-6.23	-6.65/-7.32	-8.23/-8.67	-8.79/-8.08	-6.86/-5.98	-5.97/-5.66	-5.70/-5.73	-5.74/-5.78	-5.96/-6.57	-6.88/-6.77	-6.71/-6.67	-7.34/-7.87	-7.93/-7.20	-6.92/-6.66	-6.88/-6.06	-5.86/-5.33	-4.97/-4.00	-3.88/-3.45	
Θ(30°)	-2.57/-3.09	-2.21/-2.28	-2.56/-3.06	-3.32/-3.95	-5.28/-5.84	-5.53/-5.17	-5.19/-4.62	-4.59/-5.02	-5.56/-6.64	-4.84/-3.77	-3.30/-3.81	-4.34/-4.17	-4.40/-5.21	-5.77/-5.86	-5.68/-5.72	-6.16/-6.46	-6.46/-6.40	-6.81/-7.28	-7.90/-8.01	-6.77/-7.02	-5.71/-3.91	-3.47/-2.78	-2.14/-2.06		
Θ(37.5°)	-1.78/-1.71	-1.88/-2.50	-3.17/-3.66	-4.10/-4.77	-5.01/-4.50	-3.73/-3.06	-2.50/-2.27	-2.43/-3.11	-3.72/-3.35	-2.67/-2.27	-2.20/-1.97	-2.80/-3.62	-3.26/-3.05	-3.48/-3.47	-3.13/-3.55	-4.57/-5.62	-6.52/-7.03	-7.50/-7.82	-8.07/-7.89	-7.35/-6.08	-4.98/-4.61	-4.67/-4.20	-4.59/-4.24	-2.91/-1.82	
Θ(45°)	-2.42/-2.96	-2.60/-1.77	-2.45/-2.79	-3.04/-3.71	-4.29/-4.45	-3.78/-2.88	-2.35/-2.04	-1.96/-1.56	-1.44/-2.25	-3.00/-4.29	-4.52/-3.79	-3.52/-4.48	-3.97/-2.71	-3.01/-4.23	-4.53/-4.60	-5.05/-4.45	-4.95/-6.04	-6.39/-7.15	-8.46/-8.19	-6.09/-4.56	-4.09/-3.55	-2.87/-2.81	-3.24/-3.05		
Θ(52.5°)	-1.99/-1.99	-2.20/-1.57	-1.51/-1.93	-1.62/-1.76	-2.90/-2.48	-1.77/-1.51	-0.70/-1.01	0.350/19	-1.25/-2.74	-4.36/-6.57	-6.75/-7.07	-5.61/-4.30	-4.60/-4.68	-4.65/-4.65	-4.54/-4.97	-5.45/-6.04	-5.93/-5.08	-4.85/-5.19	-5.24/-4.93	-4.97/-3.95	-4.10/-3.23	-2.34/-1.52	-1.62/-2.11		
Θ(60°)	-1.15/-0.87	-1.52/-2.00	-2.40/-2.83	-2.39																					



Antenna Pattern <6GHz U-NII5~UNII-8>

Appendix D

Θ(60°)	-7.86/-12.72	-9.99/-11.30	-8.98/-12.42	-11.55/-9.64	-9.36/-10.83	-15.72/-14.21	-9.62/-8.37	-11.51/-14.00	-10.63/-7.60	-6.45/-6.19	-5.68/-4.70	-7.39/-3.20	-3.66/-4.27	-0.490/7.79	0.180/36	0.120/82	-0.35/-1.35	-0.20/-1.90	-6.32/-6.19	-2.75/-5.96	-7.28/-3.08	-5.24/-9.79	-15.43/-13.41	-8.58/-6.39
Θ(67.5°)	-11.87/-12.11	-11.09/-12.54	-12.84/-9.48	-9.72/-8.23	-9.63/-11.01	-8.03/-9.37	-14.06/-9.15	-4.08/-7.39	-11.59/-7.53	-4.82/-5.21	-4.47/-1.92	-2.52/-2.67	-2.71/-3.81	-1.630/-4.5	0.75/-0.28	-1.78/-0.19	1.240/73	-2.32/-13.19	-8.72/-6.05	-7.10/-6.56	-7.84/-9.14	-9.55/-8.77	-6.80/-6.85	
Θ(75°)	-8.51/-9.82	-13.40/-9.28	-8.76/-10.04	-13.39/-6.68	-5.19/-7.58	-11.34/-10.85	-9.02/-12.86	-9.84/-3.60	-4.04/-7.66	-5.89/-3.41	-2.69/-1.63	-1.69/-1.68	-2.28/-2.17	-1.50/-1.14	1.820/29	-1.790/20	0.790/72	-1.57/-1.14	-6.20/-4.05	-6.40/-15.31	-8.27/-4.03	-5.07/-7.10	-10.43/-9.75	-9.43/-5.10
Θ(82.5°)	-10.40/-14.94	-15.24/-13.69	-12.90/-14.97	-14.15/-12.99	-7.10/-7.88	-13.32/-9.31	-7.77/-9.43	-11.12/-8.33	-4.81/-5.68	-6.32/-7.23	-2.67/-2.35	-2.31/-2.39	-0.47/-1.80	-0.41/-0.13	0.83/-0.21	-3.66/-2.03	0.090/93	-1.05/-11.38	-4.70/-1.45	-2.35/-6.62	-5.74/-6.67	-5.85/-10.40	-8.48/-13.25	-10.99/-9.08
Θ(90°)	-11.70/-14.10	-15.06/-11.32	-15.16/-10.21	-8.95/-10.78	-13.60/-3.77	-13.21/-11.71	-10.23/-9.12	-10.07/-14.74	-4.50/-6.05	-5.51/-1.58	-1.17/-1.73	-1.32/-1.80	0.580/18	1.880 -28	1.68/-147	-5.19/-2.36	0.320/11	0.49/-5.68	-6.34/-2.14	-1.20/-9.57	-6.05/-6.65	-9.89/-4.78	-13.81/-9.14	-7.27/-9.69
Θ(97.5°)	-14.16/-8.43	-11.38/-8.48	-16.13/-15.24	-14.55/-15.70	-12.63/-12.77	-13.18/-10.65	-7.04/-8.09	-10.80/-10.26	-4.83/-6.84	-5.05/-2.05	-2.71/-1.64	0.270/68	1.850/22	1.22/-1.26	1.020/12	-5.25/-3.74	0.060/91	-0.31/-6.08	-2.37/-1.89	-2.32/-2.99	-5.37/-7.89	-14.78/-9.75	-11.06/-6.92	
Θ(105°)	-14.29/-10.34	-11.11/-11.76	-12.93/-12.59	-13.22/-9.82	-10.33/-11.83	-13.57/-15.45	-8.13/-10.32	-9.25/-9.71	-6.23/-3.71	-3.05/-2.88	-3.87/-2.27	-0.61/-0.96	-0.61/-3.33	-1.83/-3.49	-1.12/-1.94	-6.02/-5.47	-2.85/-2.16	-7.38/-9.01	-1.510/74	-6.78/-6.31	-3.61/-13.04	-10.58/-4.29	-5.02/-11.32	-12.17/-12.34
Θ(112.5°)	-14.90/-13.19	-11.79/-15.43	-15.00/-12.38	-10.50/-13.14	-15.80/-15.51	-11.88/-8.77	-7.70/-12.45	-9.26/-6.82	-6.41/-6.84	-5.35/-6.05	-7.19/-5.22	-4.26/-3.43	-1.55/-1.89	-0.41/-0.84	-0.12/-1.97	-7.85/-5.13	-2.01/-0.51	-4.73/-6.10	-1.95/-4.08	-5.24/-6.38	-2.97/-10.04	-11.23/-11.55	-12.46/-9.13	-10.63/-14.00
Θ(120°)	-14.51/-13.72	-14.05/-13.32	-11.85/-14.64	-15.98/-15.98	-13.02/-10.14	-8.82/-10.06	-13.60/-10.18	-10.60/-9.89	-9.73/-10.88	-11.13/-10.84	-9.30/-7.65	-8.77/-6.74	-5.93/-3.22	-1.24/-0.88	0.640/25	-1.32/-1.89	-3.47/-5.75	-7.63/-12.29	-3.41/-0.20	-4.98/-14.15	-4.95/-10.08	-14.88/-11.30	-11.80/-9.57	-9.39/-13.30
Θ(127.5°)	-10.37/-13.69	-14.36/-14.87	-15.51/-10.88	-11.51/-12.48	-13.99/-13.62	-13.87/-15.17	-15.70/-10.07	-10.49/-15.09	-14.30/-8.83	-5.31/-4.98	-4.26/-3.24	-3.75/-3.69	-4.90/-2.67	-1.80/-1.10	-0.65/-1.09	-2.46/-2.86	-3.21/-4.64	-10.81/-7.44	-4.49/-1.26	-3.89/-10.39	-3.75/-5.41	-15.71/-10.43	-5.84/-9.09	-7.69/-10.16
Θ(135°)	-11.27/-14.83	-13.70/-11.56	-12.26/-14.94	-15.47/-12.77	-12.09/-11.34	-10.05/-11.88	-12.47/-9.12	-8.16/-7.08	-5.22/-3.52	-2.75/-1.97	-1.06/-0.84	-4.11/-3.21	-1.48/-0.79	0.010/66	-1.41/-3.55	-7.50/-11.17	-11.88/-5.27	-4.09/-1.10	-12.72/-33.7	-7.73/-11.73	-11.26/-5.25	-5.95/-9.91	-9.43/-9.44	
Θ(142.5°)	-12.23/-11.62	-13.38/-15.05	-14.73/-15.39	-15.38/-12.59	-9.34/-8.26	-7.86/-9.70	-12.10/-11.29	-9.47/-7.13	-4.91/-3.13	-2.30/-1.70	-1.54/-0.63	-0.55/-2.01	-3.88/-3.69	-2.41/-1.29	-0.72/-1.54	-2.99/-3.69	-3.99/-3.93	-3.95/-3.05	-3.49/-2.36	-3.09/-5.98	-11.10/-11.20	-7.68/-6.99	-10.17/-10.48	-10.23/-10.49
Θ(150°)	-11.05/-10.31	-9.10/-7.71	-7.76/-10.06	-13.02/-10.63	-9.33/-9.22	-8.33/-7.86	-7.50/-7.31	-7.31/-6.67	-4.93/-2.76	-1.29/-0.88	-1.36/-1.67	-1.87/-2.50	-3.26/-3.76	-3.87/-3.86	-4.60/-5.98	-7.94/-11.48	-13.98/-8.70	-4.13/-2.11	-1.73/-1.11	-0.40/-1.64	-4.75/-8.82	-10.08/-7.20	-5.25/-6.47	-8.49/-9.98
Θ(157.5°)	-13.23/-14.04	-11.61/-11.14	-10.13/-9.71	-6.24/-6.83	-7.50/-7.09	-6.10/-6.71	-6.97/-7.52	-8.70/-9.15	-6.77/-3.62	-1.75/-0.94	-0.84/-1.24	-2.30/-4.39	-6.84/-7.64	-6.81/-5.84	-5.92/-6.15	-7.79/-11.12	-11.23/-10.53	-8.39/-5.56	-2.58/-1.69	-2.62/-5.32	-11.13/-14.79	-15.13/-13.40	-11.45/-11.12	-12.44/-15.11
Θ(165°)	-14.33/-11.96	-11.09/-10.20	-10.17/-10.20	-7.94/-5.56	-4.45/-4.25	-7.23/-8.33	-10.41/-11.05	-10.39/-9.45	-8.01/-7.32	-6.33/-6.05	-6.19/-7.08	-6.84/-11.22	-12.39/-11.06	-9.97/-9.76	-10.76/-11.68	-10.65/-10.77	-4.75/-4.39	-5.51/-5.70	-6.89/-8.11	-10.36/-12.56	-12.42/-12.27	-13.47/-13.93	-14.18/-14.33	
Θ(172.5°)	-11.34/-12.79	-13.15/-12.03	-11.73/-9.38	-8.16/-7.58	-7.70/-8.29	-8.89/-9.39	-9.43/-9.32	-8.93/-8.57	-8.54/-8.42	-8.34/-8.37	-8.60/-9.09	-9.55/-10.18	-10.69/-11.41	-10.90/-10.77	-9.24/-9.71	-9.98/-9.67	-7.80/-6.87	-7.20/-8.12	-9.34/-10.47	-9.15/-9.62	-10.88/-12.76	-12.62/-10.67	-9.69/-8.83	-9.26/-10.19
Θ(180°)	-8.29/-7.24	-6.06/-6.12	-5.95/-6.98	-7.17/-7.48	-7.31/-7.02	-6.72/-6.57	-7.05/-7.97	-8.13/-8.28	-8.36/-8.78	-9.42/-9.94	-9.97/-9.69	-9.24/-8.34	-7.82/-7.96	-7.95/-7.81	-7.58/-7.63	-7.99/-7.26	-7.23/-7.03	-7.60/-8.17	-8.52/-8.85	-8.96/-11.90	-13.08/-13.13	-12.68/-13.19	-13.38/-12.91	-11.73/-9.54
Freq(Hz)	6.695GPol.	TotalAnt.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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°)	-12.67/-14.86	-13.51/-14.75	-14.25/-14.34	-14.72/-16.40	-14.45/-14.88	-15.25/-14.88	-14.17/-13.12	-12.58/-12.39	-11.82/-11.41	-11.50/-11.99	-13.40/-13.81	-14.44/-14.19	-14.27/-14.06	-14.94/-15.38	-15.60/-15.69	-15.73/-15.43	-14.86/-14.78	-15.02/-15.05	-15.94/-15.38	-15.46/-14.96	-15.47/-15.64	-13.71/-15.13	-12.79/-13.11	-12.87/-12.32
Θ(7.5°)	-10.46/-10.87	-10.95/-11.43	-11.30/-10.68	-10.67/-11.16	-11.13/-11.76	-12.23/-13.11	-13.25/-14.55	-14.29/-14.30	-14.04/-14.42	-13.45/-13.86	-14.96/-15.85	-14.53/-12.44	-11.20/-10.81	-11.12/-11.37	-11.29/-11.64	-11.64/-10.72	-11.31/-11.64	-12.39/-12.60	-10.92/-9.91	-10.74/-11.05	-10.74/-11.05	-9.33/-9.20	-9.44/-9.84	
Θ(15°)	-10.66/-10.07	-10.61/-11.33	-11.19/-11.12	-10.27/-9.76	-9.76/-9.40	-8.96/-8.86	-9.42/-9.89	-9.86/-9.74	-9.45/-9.82	-8.98/-9.28	-10.08/-10.70	-11.43/-11.05	-10.32/-9.90	-9.06/-9.02	-9.03/-9.52	-9.09/-8.86	-8.51/-9.33	-10.25/-9.97	-10.13/-9.90	-9.03/-8.85	-7.35/-6.86	-8.01/-7.81	-7.45/-8.09	-8.71/-10.39
Θ(22.5°)	-6.43/-7.33	-9.21/-13.30	-11.48/-11.55	-11.87/-10.81	-10.03/-9.68	-10.60/-11.39	-10.81/-9.81	-8.78/-8.47	-8.65/-9.64	-10.79/-13.46	-14.93/-14.91	-14.39/-12.94	-11.27/-10.49	-7.55/-8.27	-7.55/-7.21	-9.14/-11.15	-10.34/-9.40	-9.09/-10.06	-12.48/-11.35	-10.56/-9.82	-10.85/-11.31	-10.48/-6.50	-5.13/-5.57	
Θ(30°)	-8.32/-8.84	-8.82/-12.24	-12.05/-8.45	-7.47/-8.89	-8.89/-10.26	-12.03/-12.11	-12.46/-12.96	-11.33/-10.42	-10.70/-12.48	-14.09/-15.81	-13.03/-11.77	-10.32/-7.66	-7.35/-7.79	-9.05/-6.85	-8.06/-6.84	-8.10/-8.82	-11.64/-13.03	-11.20/-9.13	-10.06/-11.92	-10.37/-8.97	-6.51/-6.88			
Θ(37.5°)	-11.60/-14.62	-11.69/-9.65	-8.39/-8.26	-10.91/-15.22	-10.79/-8.92	-9.42/-11.60	-11.65/-12.01	-12.29/-10.91	-9.14/-11.11	-11.83/-8.37	-6.43/-6.44	-4.65/-4.15	-6.21/-7.32	-5.49/-4.53	-4.71/-3.98	-4.31/-5.85	-6.93/-7.41	-7.31/-5.73	-4.27/-5.31	-9.03/-9.03	-11.17/-10.91	-15.70/-10.62	-7.75/-6.03	-5.65/-9.88
Θ(45°)	-15.37/-12.96	-8.62/-9.97	-9.27/-13.43	-15.95/-10.24	-10.38/-14.66	-15.04/-15.26	-11.60/-7.17	-6.29/-8.49	-8.56/-9.18	-10.74/-8.73	-6.63/-7.59	-5.35/-3.61	-1.02/-1.43	-4.22/-1.16	-2.66/-3.72	-2.01/-1.44	-3.70/-3.53	-1.85/-1.70	-3.67/-6.10	-11.30/-9.58	-6.00/-5.94	-7.96/-10.36	-8.80/-9.90	
Θ(52.5°)	-7.86/-6.61	-7.01/-5.94	-5.99/-7.78	-12.60/-15.46	-10.94/-11.13	-15.75/-10.40	-8.78/-11.77	-12.72/-7.30	-6.03/-7.04	-5.75/-6.45	-6.18/-7.61	-10.17/-7.33	-9.62/-6.62	-0.740/74	-1.03/-60	-1.630/51	1.02/-186	0.350/64	-3.24/-3.51	-5.12/-5.75	-6.30/-5.98	-10.17/-10.48	-10.96/-10.36	-10.54/-7.05
Θ(60°)	-8.89/-12.20	-13.55/-9.95	-8.52/-7.85	-8.11/-8.39	-10.45/-11.44	-10.32/-8.69	-6.55/-6.69	-7.87/-11.85	-9.57/-6.88	-7.11/-11.09	-4.39/-2.01	-4.58/-2.24	-2.34/-4.70	-0.13/-1.25	0.89/-0.77	-0.79/-1.95	2.78/-0.27	-0.75/-2.15	-1.81/-1.09	-2.53/-5.55	-8.23/-1.53	-2.40/-6.55	-13.51/-14.50	-11.34/-8.24
Θ(67.5°)	-10.10/-13.30	-11.25/-10.48	-10.37/-7.31	-11.28/-10.89	-9.41/-9.28	-9.44/-14.96	-15.18/-16.32	-5.89/-4.45	-6.60/-9.19	-5.31/-3.76	-4.99/-4.64	-4.65/-4.89	-3.17/-3.10	0.102/20	2.701/80	0.220/76	0.810/65	-0.34/-6.35	-3.60/-6.05	-4.56/-12.51	-4.87/-3.21	-4.21/-9.14	-10.06/-6.72	-5.89/-6.73
Θ(75°)	-10.14/-8.79	-13.72/-11.34	-9.84/-8.53	-12.12/-10.29	-6.70/-11.31	-11.73/-7.19	-6.40/-8.79	-7.90/-5.45	-4.65/-4.86	-4.76/-2.41	-1.87/-0.28	-0.69/-1.43	-2.59/-2.61	-0.86/-1.33	3.231.38	-0.52/-1.38	1.801/95	-0.30/-9.08	-5.79/-3.17	-2.72/-11.54	-11.72/-4.97	-5.34/-7.23	-12.27/-15.89	-10.24/-6.20
Θ(82.5°)	-7.96/-10.15	-16.04/-10.36	-6.59/-9.22	-12.46/-7.98	-3.34/-7.42	-12.56/-7.98	-8.90/-8.77	-10.47/-13.14	-6.40/-2.68	-7.12/-5.25	-1.82/-2.03	-1.18/-2.62	-0.23/-0.79	1.732/86	3.02/-115	-2.17/-0.31	0.680/59	1.22/-6.73	-3.11/-5.17	-3.12/-7.45	-2.81/-3.96	-4.26/-6.04	-6.12/-10.42	-5.92/-5.48
Θ(90°)	-13.40/-13.10	-14.45/-13.90	-13.35/-12.11	-8.92/-12.00	-9.44/-9.59	-14.21/-12.57	-11.83/-7.57	-5.67/-7.91	-5.73/-3.11	-5.42/-4.28	-0.37/-3.02	-1.63/-2.23	1.750/09	1.510/99	2.112/61	-2.68/-2.17	0.470/08	0.35/-3.73	-3.42/-9.03	-0.82/-8.00	-3.95/-10.32	-6.76/-5.67	-14.16/-12.48	-7.73/-8.82
Θ(97.5°)	-14.69/-14.42	-15.75/-12.47	-12.09/-15.47	-14.96/-15.27	-10.34/-11.04	-10.65/-9.67	-10.44/-8.06	-8.84/-9.73	-7.98/-5.21	-4.94/-1.93	-0.53/-1.18	1.26/-0.02	1.86/-0.60	0.72/-1.14	0.811/43	-4.49/-4.70	-1.05/-44	-1.22/-6.23	-3.40/-0.29	-3.62/-3.61	-1.76/-9.54	-6.32/-5.99	-12.38/-15.36	-11.50/-11.98
Θ(105°)	-12.30/-14.57	-11.60/-10.94	-9.82/-10.95	-12.28/-10.64	-9.28/-10.79	-10.75/-9.32	-6.57/-11.70	-12.13/-9.51	-5.37/-3.99	-3.88/-2.60	-3.21/-1.75	0.39/-1.40	-0.29/-2.29	-0.56/-1.93	-0.77/-1.68	-1.17/-3.36	-1.21/-1.64	-6.38/-8.79	-6.89/-0.93	-4.32/-5.89	-5.58/-14.69	-8.25/-9.76	-5.03/-8.57	-6.61/-10.42
Θ(112.5																								



Antenna Pattern <6GHz U-NII5~UNII-8>

Appendix D

Θ(112.5°)	-0.90/-2.79	-2.71/-2.80	-4.58/-5.21	-4.19/-4.40	-3.97/-5.81	-7.79/-8.89	-8.48/-8.47	-8.19/-9.78	-9.21/-7.35	-8.45/-13.39	-13.55/-15.03	-9.44/-6.24	-8.18/-13.05	-8.57/-6.99	-5.99/-4.21	-8.12/-4.27	-4.06/-6.77	-0.770-7.74	-4.01/-6.50	-3.82/-2.80	0.13/-4.27	-10.13/-2.47	-1.02/-1.10	-0.16/-1.47
Θ(120°)	-3.81/-5.61	-7.84/-6.11	-6.54/-8.93	-9.17/-7.76	-6.20/-5.80	-6.89/-5.83	-7.47/-11.86	-11.87/-9.24	-12.85/-15.62	-15.67/-15.53	-10.10/-6.72	-8.78/-14.58	-11.59/-6.62	-6.02/-7.58	-8.12/-1.94	-4.04/-1.19	-4.92/-3.43	-0.50/-0.07	-1.81/-13.17	-2.95/-1.85	1.61/-1.11	-1.44/-1.47	-0.60/-1.89	-1.10/-2.95
Θ(127.5°)	-4.26/-3.82	-4.73/-4.95	-4.35/-4.21	-4.29/-6.24	-8.37/-10.02	-8.77/-16.93	-10.19/-9.62	-7.41/-9.58	-16.00/-13.73	-8.16/-8.61	-9.97/-10.92	-10.14/-12.24	-12.66/-8.94	-5.35/-7.52	-9.53/-7.43	-8.35/-3.96	-1.71/-5.19	1.61/-2.53	-1.95/-9.08	-3.14/-0.99	2.25/-1.66	1.37/-0.92	0.40/-1.35	-1.72/-2.60
Θ(135°)	-2.46/-2.24	-1.84/-2.29	-1.15/-1.05	-1.82/-2.88	-3.49/-4.75	-6.04/-7.32	-7.79/-9.77	-7.41/-5.98	-7.97/-11.47	-9.90/-9.35	-9.22/-8.19	-10.53/-14.03	-12.45/-7.41	-5.85/-7.62	-6.38/-7.43	-7.94/-1.97	-1.68/-1.76	0.20/-1.01	0.06/-7.39	-7.46/-3.31	-1.26/-1.11	2.58/-3.24	3.08/-1.72	0.82/-0.45
Θ(142.5°)	-2.09/-1.19	0.37/-1.17	1.32/-0.19	-0.74/-0.07	-0.62/-3.68	-5.85/-7.00	-5.99/-4.79	-4.69/-5.34	-5.61/-6.10	-9.64/-11.64	-10.93/-13.38	-15.56/-14.69	-14.38/-14.03	-13.42/-8.21	-3.68/-4.30	-5.32/-2.87	-4.16/-3.39	-1.94/-1.93	2.33/-1.59	-3.77/-4.53	-4.20/-0.90	1.20/-1.59	1.31/-0.59	0.15/-0.78
Θ(150°)	-2.24/-1.01	0.16/-0.08	-0.11/-0.13	-0.23/-1.80	-4.57/-6.83	-9.50/-12.62	-13.29/-11.66	-11.47/-14.43	-14.30/-11.71	-10.28/-12.05	-12.37/-11.94	-13.54/-13.22	-9.75/-7.03	-5.26/-4.09	-2.87/-3.25	-4.56/-5.73	-4.26/-2.31	-0.37/-1.84	1.36/-1.65	-4.58/-7.84	-11.63/-6.72	-3.53/-3.08	-2.86/-1.57	-1.76/-2.17
Θ(157.5°)	-3.91/-4.17	-3.67/-3.03	-3.66/-5.46	-8.91/-13.00	-12.76/-10.99	-11.10/-10.91	-9.27/-8.82	-9.06/-9.47	-9.36/-8.52	-9.15/-10.61	-12.76/-15.33	-14.75/-10.24	-7.28/-4.69	-3.98/-4.21	-5.00/-6.32	-7.58/-6.42	-4.15/-2.64	-0.950-0.49	0.26/-0.90	-2.22/-5.12	-9.93/-9.74	-6.47/-4.20	-3.69/-3.30	-3.16/-4.16
Θ(165°)	-9.97/-12.06	-12.68/-14.87	-15.37/-14.25	-12.38/-11.08	-11.87/-13.00	-13.40/-12.79	-11.88/-10.68	-12.11/-14.96	-14.10/-9.71	-8.84/-9.94	-10.17/-9.78	-10.30/-11.35	-13.08/-12.84	-10.10/-8.86	-8.44/-7.98	-6.39/-5.09	-3.91/-2.70	-1.50/-0.60	-0.35/-0.78	-1.68/-3.20	-5.02/-6.80	-6.99/-6.33	-6.61/-8.43	-8.74/-10.06
Θ(172.5°)	-7.96/-7.50	-7.59/-7.99	-8.67/-9.39	-10.94/-13.36	-15.64/-15.08	-14.71/-12.16	-11.37/-11.71	-10.97/-8.93	-7.01/-6.31	-7.21/-9.06	-11.23/-13.52	-13.47/-13.45	-12.50/-11.16	-9.89/-8.90	-7.66/-6.12	-5.07/-4.24	-3.84/-3.30	-2.94/-2.85	-2.77/-2.71	-2.78/-2.84	-3.42/-4.59	-5.88/-6.45	-6.18/-6.47	-6.25/-6.37
Θ(180°)	-6.37/-7.10	-8.36/-10.47	-11.43/-13.84	-13.45/-10.42	-8.72/-8.11	-8.70/-10.40	-9.78/-9.01	-7.40/-6.39	-5.96/-5.74	-6.78/-7.29	-7.06/-6.64	-6.26/-6.03	-5.80/-5.75	-5.78/-6.11	-6.36/-6.31	-6.34/-6.17	-5.82/-5.65	-5.24/-5.14	-4.89/-4.61	-4.62/-5.08	-5.48/-5.53	-5.40/-5.84	-5.80/-6.40	-6.84/-7.24
Freq(Hz)	6.695G/Pol.	Total/Ant. 8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	-8.70/-7.69	-7.49/-8.49	-6.65/-6.36	-6.93/-7.49	-9.68/-10.35	-11.42/-11.06	-11.80/-10.26	-9.70/-10.06	-9.51/-9.26	-9.70/-10.59	-11.00/-11.08	-11.07/-11.52	-11.86/-11.40	-10.52/-10.27	-10.29/-10.45	-10.78/-11.16	-11.17/-11.37	-11.35/-10.98	-10.76/-10.31	-10.14/-9.72	-10.27/-10.65	-11.55/-11.41	-10.88/-10.41	-11.18/-9.91
Θ(7.5°)	-12.86/-13.33	-12.95/-12.72	-9.93/-9.25	-7.78/-7.27	-7.97/-8.34	-8.73/-9.11	-8.46/-8.10	-7.82/-7.89	-8.27/-8.91	-9.41/-10.04	-10.14/-11.03	-11.65/-11.15	-9.93/-8.64	-7.57/-6.51	-6.15/-6.13	-6.12/-6.26	-6.03/-5.81	-5.98/-6.25	-6.80/-6.69	-6.59/-6.50	-6.91/-7.98	-8.75/-9.33	-10.44/-12.59	-15.02/-13.02
Θ(15°)	-11.70/-11.48	-10.53/-11.72	-10.75/-7.85	-6.03/-6.33	-6.93/-6.97	-8.33/-9.94	-12.33/-12.87	-13.82/-13.20	-10.65/-9.13	-8.21/-9.03	-10.37/-11.34	-11.16/-10.65	-9.39/-7.61	-5.38/-3.45	-2.47/-2.15	-2.11/-2.19	-2.51/-3.31	-4.17/-4.61	-4.45/-4.09	-4.05/-3.95	-4.43/-5.05	-5.46/-6.05	-6.72/-8.38	-9.77/-11.74
Θ(22.5°)	-5.70/-6.39	-8.81/-9.76	-10.02/-11.46	-15.94/-12.18	-10.34/-9.35	-8.83/-7.65	-7.87/-9.11	-11.81/-14.58	-16.05/-15.46	-13.30/-9.41	-7.20/-6.53	-5.96/-4.54	-3.64/-2.69	-2.07/-1.82	-1.69/-1.80	-2.68/-4.25	-5.75/-5.52	-4.07/-3.07	-2.57/-2.79	-2.44/-2.46	-2.58/-2.37	-1.99/-2.05	-2.81/-4.34	-6.84/-6.57
Θ(30°)	-3.00/-2.95	-4.22/-5.18	-4.23/-5.15	-5.60/-6.82	-9.99/-12.19	-14.23/-15.14	-15.31/-14.03	-11.32/-11.30	-11.51/-12.56	-11.70/-7.39	-5.71/-6.81	-5.68/-3.25	-2.42/-1.63	-0.86/-0.70	-1.47/-3.30	-5.17/-7.04	-6.78/-5.29	-4.64/-4.12	-3.76/-4.43	-4.53/-4.19	-3.74/-2.89	-1.56/-0.78	-1.57/-2.99	-4.77/-2.46
Θ(37.5°)	-3.11/-2.44	-3.72/-4.44	-4.25/-3.71	-4.32/-5.77	-5.75/-7.25	-8.86/-7.03	-6.92/-8.95	-13.73/-12.74	-11.25/-9.97	-10.98/-7.71	-10.71/-9.38	-8.35/-13.47	-13.08/-8.23	-3.68/-2.42	-3.13/-3.44	-2.23/-3.55	-2.96/-0.47	-2.96/-0.38	0.09/-0.54	-1.44/-1.54	-2.25/-3.98	-4.43/-4.37	-3.30/-1.51	-2.40/-2.80
Θ(45°)	-2.53/-1.94	-4.05/-4.90	-3.84/-4.06	-3.60/-2.81	-4.71/-8.06	-7.28/-3.85	-4.44/-6.48	-9.83/-9.50	-7.44/-9.15	-12.45/-14.51	-10.20/-8.73	-7.43/-8.48	-8.74/-7.44	-9.56/-8.68	-4.41/-3.65	-7.11/-4.91	-3.560-0.38	2.63/-1.76	0.330-0.53	1.93/-2.00	0.01/-1.56	-0.61/-0.84	0.030-0.15	-1.13/-2.92
Θ(52.5°)	-1.67/-1.92	-2.94/-3.42	-3.38/-4.63	-5.44/-6.31	-5.11/-5.38	-7.95/-11.19	-6.55/-3.31	-3.97/-5.04	-6.04/-8.48	-7.11/-5.13	-5.48/-8.96	-7.68/-6.75	-6.58/-8.02	-9.85/-5.60	-8.01/-5.60	-2.68/-1.43	-0.11/-1.63	2.30/-4.53	3.72/-1.10	-1.05/-2.16	-2.18/-0.02	1.67/-1.15	0.50/-0.78	
Θ(60°)	-0.22/-0.18	-1.24/-2.30	-5.21/-5.33	-4.60/-4.37	-6.20/-6.41	-4.85/-5.21	-4.60/-6.05	-10.53/-10.83	-9.98/-9.63	-9.43/-7.54	-8.83/-10.69	-9.90/-7.41	-4.78/-7.24	-15.84/-13.04	-7.14/-5.53	-3.68/-7.38	-6.30/-3.72	-1.82/-1.71	-1.88/-0.03	1.05/-1.09	-0.15/-1.05	-1.43/-1.00	0.300-0.31	-0.55/-1.62
Θ(67.5°)	1.24/-1.20	0.09/-0.69	-2.13/-3.27	-4.62/-7.11	-8.54/-5.03	-4.98/-6.22	-5.68/-5.72	-6.80/-11.84	-8.57/-10.42	-15.00/-7.97	-8.72/-8.30	-12.40/-12.39	-6.16/-6.76	-5.89/-10.22	-12.12/-12.48	-10.38/-11.36	-12.18/-9.76	-5.94/-5.55	-7.36/-5.97	-2.73/-4.93	-7.59/-5.07	-1.83/-1.07	0.85/-2.33	1.29/-2.33
Θ(75°)	-0.96/-1.09	-1.72/-1.72	-3.30/-3.09	-6.48/-8.47	-10.26/-6.80	-7.74/-10.81	-14.83/-15.15	-8.48/-7.12	-9.87/-10.50	-6.34/-7.77	-15.44/-7.92	-8.23/-11.06	-14.34/-12.31	-14.46/-9.48	-7.78/-7.82	-12.63/-7.68	-7.34/-6.11	-4.24/-12.39	-6.81/-7.93	-6.99/-4.09	-3.83/-2.60	-2.59/-1.57	0.490-0.67	-0.11/-0.43
Θ(82.5°)	0.61/-1.00	-1.46/-3.64	-2.91/-2.75	-4.03/-3.13	-7.17/-6.24	-7.05/-7.07	-9.97/-12.30	-14.05/-9.85	-10.13/-13.21	-15.21/-14.41	-10.87/-10.18	-9.54/-7.97	-14.46/-13.58	-7.17/-12.14	-6.26/-14.74	-9.00/-7.88	-7.01/-5.32	-1.51/-8.37	-1.22/-3.43	-3.24/-4.24	-6.05/-9.51	-10.22/-4.58	-3.32/-0.82	-0.78/-0.68
Θ(90°)	-0.52/-3.47	-2.94/-6.29	-4.37/-3.97	-8.06/-10.33	-14.17/-15.35	-7.36/-9.14	-8.81/-10.65	-14.11/-10.80	-8.76/-9.08	-10.83/-7.25	-9.49/-14.73	-11.98/-10.24	-7.75/-8.01	-8.47/-8.65	-13.46/-5.99	-6.75/-5.64	-6.50/-7.37	-2.49/-8.11	-11.04/-5.62	-5.95/-4.19	-1.00/-2.26	-4.230-0.22	-0.20/-1.16	-0.48/-1.92
Θ(97.5°)	-0.26/-1.97	-1.82/-2.80	-1.87/-3.18	-5.71/-8.41	-14.75/-15.32	-12.81/-12.28	-15.72/-10.38	-7.92/-15.06	-10.05/-8.41	-8.49/-15.60	-12.62/-14.21	-9.76/-11.68	-11.42/-9.49	-13.61/-7.31	-5.90/-12.34	-2.40/-3.59	0.37/-5.49	-8.95/-15.06	-2.30/-2.05	-2.49/-4.99	-5.28/-0.33	-0.26/-0.93	0.29/-1.10	
Θ(105°)	1.57/-0.00	0.02/-2.23	-3.31/-4.44	-10.46/-6.06	-2.97/-7.42	-12.88/-14.76	-13.52/-9.23	-5.27/-7.11	-7.53/-10.95	-11.62/-9.30	-8.77/-12.24	-10.64/-12.86	-12.30/-9.72	-7.90/-9.77	-6.86/-6.17	-6.51/-8.45	-4.27/-7.78	-1.12/-0.66	-9.31/-12.04	-7.06/-6.05	-2.63/-2.11	-2.32/-1.25	0.14/-0.43	1.28/-0.08
Θ(112.5°)	-0.57/-2.52	-2.07/-1.78	-3.28/-7.20	-7.27/-5.56	-3.31/-5.70	-10.61/-7.95	-6.91/-7.25	-7.72/-10.80	-14.70/-10.88	-8.24/-11.49	-14.73/-15.50	-11.07/-11.60	-9.58/-15.59	-6.86/-6.47	-4.32/-4.89	-5.87/-5.57	-1.05/-4.62	2.110-0.50	-7.83/-10.26	-4.07/-2.25	-2.06/-3.65	-3.04/-1.35	0.13/-0.48	0.57/-0.85
Θ(120°)	-0.63/-2.37	-5.08/-5.46	-7.30/-6.47	-8.25/-8.11	-5.73/-4.96	-5.32/-5.85	-7.56/-9.38	-12.02/-12.21	-10.41/-14.63	-15.15/-12.37	-9.90/-9.44	-10.39/-10.67	-8.05/-6.05	-6.72/-6.26	-8.18/-4.01	-6.95/-3.06	-3.40/-5.98	0.34/-1.14	-7.14/-9.67	-1.390-0.01	2.000-0.90	1.43/-2.83	3.46/-2.40	1.71/-0.04
Θ(127.5°)	-0.57/-1.52	-4.88/-4.61	-3.27/-4.27	-2.38/-6.29	-13.74/-13.05	-12.00/-6.84	-7.14/-8.43	-10.25/-10.18	-12.87/-9.01	-6.07/-6.39	-9.84/-13.28	-13.55/-14.81	-15.14/-10.85	-11.56/-13.79	-15.52/-8.13	-4.28/-2.15	-0.88/-5.90	1.26/-1.92	-6.25/-6.74	-4.58/-0.46	2.070-0.26	1.68/-3.39	2.75/-1.06	0.960-7.90
Θ(135°)	-2.94/-2.43	-1.49/-0.90	-1.25/-1.34	0.380-0.46	-1.43/-4.30	-5.79/-5.15	-6.20/-6.98	-6.67/-6.97	-10.65/-15.20	-14.75/-11.38	-14.67/-13.40	-11.15/-10.10	-10.21/-12.45	-12.15/-5.83	-3.48/-3.22	-2.40/-4.43	-1.22/-1.90	0.45/-4.39	-4.60/-2.18	-0.66/-1.29	1.80/-2.42	1.96/-1.34	0.42/-0.92	
Θ(142.5°)	-2.47/-3.05	-2.66/-0.92	0.300-1.90	-0.66/-0.93	-1.64/-4.13	-6.55/-7.98	-6.38/-4.57	-5.77/-9.24	-8.68/-5.37	-4.60/-7.54	-11.95/-14.55	-15.13/-12.20	-11.90/-12.33	-10.78/-6.37	-4.21/-2.95	-1.10/-0.95	-0.990-0.80	2.07/-2.78	0.76/-2.46	-2.25/-2.92	-0.900-0.97	0.73/-1.14	0.530-0.24	-0.57/-2.02
Θ(150°)	-3.22/-1.70	-0.170-0.24	-0.01/-0.78	-1.35/-1.49	-2.97/-5.65	-7.84/-10.21	-10.38/-8.78	-8.58/-11.44	-15.88/-15.69	-10.85/-7.85	-6.62/-7.25	-10.42/-11.17	-8.71/-5.65	-3.70/-5.24	-2.05/-2.26	-3.52/-4.66	-3.26/-1.43	0.792-0.55	1.31/-0.04	-1.76/-5.24	-5.97/-3.91	-3.20/-2.91	-2.04/-1.31	-1.46/-2.73
Θ(157.5°)	-5.57/-4.67	-4.16/-3.57	-3.40/-3.73	-5.38/-8.27	-12.05/-13.76	-10.11/-9.31	-9.15/-8.60	-9.27/-11.83	-10.71/-9.11	-10.70/-11.34	-10.62/-9.59	-8.35/-6.54	-5.11/-4.00	-4.25/-5.27	-6.84/-8.92	-9.68/-8.07	-4.69/-1.93	0.742-1.10	2.040-0.69	-2.07/-6.76	-14.01/-13.15	-7.89/-5.30	-4.48/-4.13	-5.17/-5.62
Θ(165°)	-11.36/-12.74																							

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

