



Antenna Pattern of Scan

Appendix F

Θ(15°)	-0.37/-0.40	-0.42/-0.19	-0.21/-0.78	-1.13/-0.88	-0.60/-0.79	-1.41/-1.13	-0.58/-0.89	-0.84/-0.57	-0.75/-0.76	-0.46/-0.63	-0.87/-0.90	-0.71/-0.41	0.35/-1.11	1.66/-1.79	1.71/-1.45	1.14/-0.96	0.72/-0.24	-0.14/-0.09	0.02/-0.20	0.44/-0.65	0.77/-0.93	0.91/-1.00	1.13/-1.05	0.74/-0.17
Θ(22.5°)	-2.79/-2.85	-2.13/-1.48	-1.66/-1.44	-0.78/-0.48	-0.68/-1.15	-1.32/-1.62	-1.13/-0.26	-0.34/-0.43	-0.23/-0.02	0.29/-0.44	0.06/-0.45	-0.63/-0.19	0.86/-1.40	1.47/-1.43	1.17/-0.69	0.56/-0.79	0.86/-0.90	1.11/-1.79	2.49/-2.71	2.89/-2.74	1.86/-0.54	-0.74/-0.61	-0.31/-0.81	-2.09/-2.45
Θ(35°)	-2.92/-3.28	-4.88/-4.62	-3.33/-1.74	-1.10/-1.13	-1.42/-1.99	-1.57/-0.06	0.16/-1.13	1.38/-0.68	-0.11/-1.43	-0.23/-0.98	-0.10/-0.90	-0.66/-0.02	0.66/-0.85	0.70/-1.11	-0.15/-0.35	1.79/-2.55	2.41/-1.35	0.64/-1.46	1.99/-2.58	2.62/-3.31	2.31/-1.79	-0.19/-2.28	-2.82/-3.30	-4.89/-4.49
Θ(37.5°)	-3.54/-3.64	-5.98/-5.41	-4.03/-3.22	-2.95/-3.12	-3.14/-2.29	-1.54/-0.33	0.69/-1.22	1.22/-0.68	-0.58/-2.22	-3.62/-2.31	-2.45/-2.48	-1.91/-1.09	-0.55/-0.00	0.04/-0.25	0.05/-0.20	0.08/-0.90	0.91/-0.67	1.50/-2.42	1.95/-1.28	1.80/-1.30	-0.58/-1.44	-1.28/-0.62	0.07/-0.35	-3.93/-5.01
Θ(45°)	-5.24/-6.53	-9.59/-7.78	-6.33/-5.00	-4.20/-3.84	-3.66/-6.45	-2.60/-0.91	0.20/-0.72	0.05/-0.94	-1.52/-2.01	-1.69/-1.57	-0.38/-0.77	-2.78/-4.77	-2.51/-0.55	0.23/-0.01	0.30/-0.92	0.42/-0.55	1.98/-2.74	3.70/-1.91	1.64/-2.78	3.27/-1.50	0.09/-0.79	-1.29/-0.09	-4.59/-6.76	
Θ(52.5°)	-10.17/-12.04	-12.87/-1.50	-4.35/-4.20	-4.24/-4.30	-6.98/-6.16	-2.55/-0.88	-1.77/-1.82	-0.03/-0.86	-2.29/-0.76	-0.22/-0.33	0.64/-1.11	0.07/-5.42	-2.09/-1.78	0.53/-0.23	2.52/-2.72	0.57/-1.10	0.46/-1.65	2.91/-4.55	4.30/-5.51	2.55/-1.54	2.29/-0.55	-0.54/-1.91	-2.37/-6.77	
Θ(60°)	-3.22/-6.13	-6.72/-4.27	-2.59/-2.12	-2.99/-5.77	-9.16/-8.38	-3.58/-0.02	-0.21/-1.51	-0.07/-0.19	-1.95/-1.22	0.44/-1.53	1.52/-0.91	1.15/-2.10	-0.74/-2.29	1.85/-1.16	3.06/-2.46	-0.23/-1.11	-0.22/-0.45	0.43/-1.52	3.57/-3.80	2.28/-0.05	0.30/-0.51	0.66/-1.57	1.30/-0.02	-0.58/-2.98
Θ(67.5°)	-0.94/-3.80	-3.42/-1.85	-1.15/-0.48	-2.63/-7.62	-7.42/-8.28	-3.99/-0.91	-0.65/-1.11	-0.91/-0.64	-1.77/-2.03	0.32/-0.88	1.71/-0.36	0.41/-0.64	1.06/-2.02	1.20/-0.85	2.84/-2.94	0.51/-0.50	-0.20/-0.85	0.33/-0.66	2.98/-3.63	3.68/-1.51	0.48/-2.15	1.54/-2.20	1.88/-3.21	0.04/-0.83
Θ(75°)	-0.82/-2.57	-3.84/-2.11	-1.34/-1.14	-3.38/-7.84	-6.02/-7.44	-5.15/-2.35	-2.19/-3.27	-2.38/-1.58	-2.84/-2.74	-0.99/-0.04	1.74/-0.06	-0.66/-0.71	0.31/-1.17	0.71/-0.61	1.82/-2.65	0.32/-0.42	-0.63/-0.36	0.95/-1.20	2.90/-4.01	4.24/-2.06	0.12/-2.03	1.57/-1.98	0.99/-2.67	-0.11/-1.39
Θ(82.5°)	-1.57/-3.96	-4.95/-2.70	-1.63/-3.24	-5.12/-5.93	-5.66/-7.22	-7.42/-3.85	-3.67/-4.40	-4.63/-3.68	-4.61/-3.56	-1.61/-0.79	0.80/-1.71	-1.45/-1.11	-0.50/-0.25	-1.03/-1.98	0.50/-1.44	-0.88/-1.45	-2.25/-0.43	0.22/-1.33	2.41/-4.03	3.72/-1.54	-1.69/-1.46	0.23/-0.58	-0.55/-1.71	-1.30/-2.18
Θ(90°)	-1.02/-5.99	-6.04/-4.22	-3.01/-4.51	-5.83/-5.09	-4.95/-7.70	-8.29/-4.66	-4.58/-4.17	-5.93/-5.43	-5.86/-5.68	-2.03/-2.24	-0.76/-3.53	-3.49/-2.63	-1.85/-1.19	-2.47/-3.66	-1.12/-0.72	-2.80/-3.58	-3.31/-1.55	0.09/-0.44	-0.48/-0.34	2.72/-1.21	-2.76/-0.64	-1.99/-1.36	-3.69/-4.44	-4.10/-3.80
Θ(97.5°)	-2.84/-5.45	-6.84/-6.47	-5.34/-6.24	-8.61/-6.22	-6.38/-10.40	-9.54/-5.61	-5.91/-5.27	-7.61/-7.42	-8.26/-7.26	-5.33/-3.67	-5.33/-3.67	-3.90/-2.81	-4.36/-5.32	-2.90/-4.25	-5.15/-5.74	-5.80/-3.38	-2.26/-2.66	-4.50/-1.22	0.10/-3.59	-5.06/-3.85	-4.85/-3.00	-6.14/-1.53	-5.35/-5.95	
Θ(105°)	-3.37/-7.08	-6.03/-6.83	-7.20/-8.16	-9.18/-8.51	-6.77/-10.67	-15.22/-8.15	-8.18/-7.79	-9.51/-9.16	-10.11/-8.49	-4.45/-4.78	-4.70/-6.50	-7.84/-5.25	-5.38/-4.69	-7.19/-6.00	-4.56/-7.17	-5.98/-7.83	-8.64/-6.87	-5.88/-6.61	-12.68/-3.68	-3.45/-8.27	-9.13/-8.09	-5.63/-5.47	-6.64/-4.06	-9.00/-5.44
Θ(122.5°)	-5.84/-6.71	-9.18/-7.99	-8.82/-9.93	-11.61/-8.18	-8.43/-13.01	-14.58/-12.21	-8.66/-9.18	-10.80/-9.22	-12.59/-8.74	-5.84/-6.25	-6.31/-8.22	-8.55/-4.77	-8.70/-4.77	-7.35/-12.99	-6.31/-8.60	-8.62/-14.11	-14.36/-10.72	-10.00/-8.67	-9.52/-6.99	-13.24/-12.71	-7.25/-8.17	-5.85/-6.31	-10.12/-8.11	
Θ(125°)	-9.52/-9.10	-8.85/-11.86	-9.33/-12.23	-13.15/-10.89	-14.28/-14.85	-11.07/-7.33	-7.76/-10.70	-10.50/-11.73	-13.92/-9.51	-8.32/-8.16	-9.61/-9.80	-8.32/-4.96	-9.04/-7.07	-6.20/-8.66	-8.37/-8.68	-11.27/-9.87	-6.36/-8.88	-12.98/-9.64	-11.27/-7.66	-6.81/-10.00	-14.24/-6.47	-9.94/-13.20	-6.67/-7.47	-12.26/-10.87
Θ(127.5°)	-9.73/-12.31	-11.90/-13.42	-11.15/-13.52	-15.48/-15.14	-12.32/-12.77	-15.73/-7.35	-8.05/-10.60	-11.92/-13.88	-13.88/-10.74	-11.46/-12.08	-12.12/-9.99	-9.13/-6.69	-8.55/-7.14	-12.72/-8.56	-10.00/-7.02	-13.70/-6.68	-9.85/-10.63	-6.92/-10.58	-14.27/-4.35	-4.94/-8.99	-12.01/-6.23	-7.90/-13.15	-9.96/-12.60	-9.78/-12.06
Θ(130°)	-11.70/-14.68	-15.23/-15.30	-14.33/-15.32	-15.26/-15.48	-15.45/-12.71	-13.97/-15.06	-13.46/-10.33	-10.99/-13.09	-12.61/-10.61	-11.06/-12.36	-14.86/-12.47	-9.89/-10.36	-10.64/-8.26	-15.72/-12.70	-13.49/-6.99	-14.11/-11.58	-9.94/-12.58	-12.34/-7.87	-15.16/-7.54	-11.62/-12.45	-9.76/-11.02	-12.79/-11.76	-8.96/-11.13	-14.37/-15.12
Θ(142.5°)	-15.50/-15.90	-13.41/-14.36	-15.42/-14.51	-14.06/-15.09	-9.89/-8.64	-8.77/-10.46	-13.41/-14.29	-12.37/-13.32	-13.33/-15.00	-12.68/-16.13	-12.15/-6.89	-8.33/-8.86	-13.93/-11.66	-14.56/-15.57	-15.27/-14.81	-14.22/-7.50	-11.95/-14.45	-11.76/-14.46	-13.24/-12.67	-14.35/-11.01	-16.09/-13.18	-12.53/-10.67	-14.54/-15.69	
Θ(150°)	-13.32/-13.67	-15.11/-12.94	-11.51/-15.28	-15.37/-10.09	-9.65/-12.27	-14.91/-14.25	-13.12/-15.15	-11.85/-10.94	-12.31/-14.92	-15.41/-14.56	-13.87/-14.26	-14.45/-13.16	-10.62/-10.41	-12.07/-13.50	-14.22/-15.48	-15.67/-15.47	-13.58/-12.15	-11.97/-13.45	-12.63/-12.55	-12.26/-10.29	-12.02/-11.88	-15.28/-11.83	-13.18/-15.28	-13.04/-12.57
Θ(157.5°)	-12.01/-14.11	-15.50/-15.13	-14.35/-13.87	-15.61/-15.14	-14.64/-13.75	-13.17/-14.04	-15.04/-13.84	-12.60/-14.82	-13.95/-14.46	-15.46/-14.62	-15.73/-15.16	-14.61/-12.09	-11.06/-11.76	-14.06/-12.35	-14.60/-14.61	-14.66/-14.74	-15.04/-15.79	-15.81/-14.14	-14.61/-15.73	-12.44/-11.22	-11.16/-13.04	-14.97/-13.92	-11.72/-13.93	-14.76/-12.58
Θ(165°)	-13.47/-13.94	-15.60/-15.08	-14.93/-14.84	-15.58/-15.42	-15.18/-15.48	-14.93/-14.44	-14.82/-14.82	-14.82/-11.76	-11.74/-12.27	-12.38/-14.51	-15.55/-14.88	-15.02/-14.95	-15.22/-15.70	-14.22/-11.01	-10.39/-12.12	-13.46/-13.78	-13.44/-12.98	-12.48/-12.69	-13.30/-14.15	-13.04/-12.23	-11.77/-14.11	-12.03/-12.68	-11.74/-13.46	-15.23/-14.05
Θ(172.5°)	-14.68/-14.54	-15.73/-15.67	-14.85/-15.01	-16.02/-14.86	-14.97/-13.67	-13.70/-13.11	-13.19/-13.09	-11.97/-12.32	-12.60/-11.80	-11.98/-12.05	-12.27/-12.79	-13.83/-14.56	-14.41/-13.63	-13.18/-12.63	-13.58/-13.48	-12.82/-13.02	-13.31/-14.81	-15.35/-15.65	-15.51/-15.52	-15.47/-14.70	-15.02/-15.25	-13.38/-13.97	-15.46/-15.39	
Θ(180°)	-11.36/-11.27	-12.82/-13.35	-12.98/-13.41	-14.01/-14.34	-12.08/-10.90	-10.86/-10.67	-10.09/-8.92	-11.04/-10.79	-10.89/-12.35	-11.77/-11.24	-11.68/-11.51	-10.61/-10.42	-11.08/-11.97	-12.59/-12.76	-14.09/-13.29	-11.67/-10.77	-10.81/-10.79	-9.95/-9.67	-10.61/-10.54	-10.83/-11.44	-10.98/-11.62	-12.18/-11.96	-11.24/-11.94	-13.30/-11.96
Freq(Hz)	5.885GPol.	TotalAnt.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)°Φ(7.5°)	Φ(15°)°Φ(22.5°)	Φ(30°)°Φ(37.5°)	Φ(45°)°Φ(52.5°)	Φ(60°)°Φ(67.5°)	Φ(75°)°Φ(82.5°)	Φ(90°)°Φ(97.5°)	Φ(105°)°Φ(112.5°)	Φ(120°)°Φ(127.5°)	Φ(135°)°Φ(142.5°)	Φ(150°)°Φ(157.5°)	Φ(165°)°Φ(172.5°)	Φ(180°)°Φ(187.5°)	Φ(195°)°Φ(202.5°)	Φ(210°)°Φ(217.5°)	Φ(225°)°Φ(232.5°)	Φ(240°)°Φ(247.5°)	Φ(255°)°Φ(262.5°)	Φ(270°)°Φ(277.5°)	Φ(285°)°Φ(292.5°)	Φ(300°)°Φ(307.5°)	Φ(315°)°Φ(322.5°)	Φ(330°)°Φ(337.5°)	Φ(345°)°Φ(352.5°)
Θ(0°)	-2.16/-2.31	-2.65/-2.68	-2.88/-2.95	-3.10/-3.31	-3.03/-2.91	-2.74/-2.72	-3.08/-2.63	-2.78/-2.94	-2.62/-2.72	-2.72/-2.45	-2.39/-2.22	-2.27/-2.52	-2.38/-2.27	-2.21/-2.08	-1.83/-2.14	-2.75/-2.44	-1.89/-2.16	-1.80/-1.84	-2.09/-2.27	-2.40/-2.37	-2.42/-2.14	-2.46/-2.60	-2.76/-2.84	-2.85/-2.57
Θ(7.5°)	-1.03/-1.17	-1.25/-0.62	-0.37/-0.28	-0.54/-0.93	-1.04/-1.11	-1.27/-1.18	-1.49/-1.76	-1.43/-1.26	-1.65/-1.88	-1.54/-1.78	-2.05/-2.26	-2.49/-2.84	-2.70/-2.62	-2.70/-2.51	-1.95/-1.73	-2.17/-2.64	-2.27/-1.63	-2.05/-1.88	-1.34/-1.19	-1.66/-1.20	-1.15/-1.27	-0.96/-1.03	-1.17/-1.17	-1.02/-1.13
Θ(15°)	-0.63/-0.24	0.62/-0.98	0.70/-0.34	0.05/-0.04	-0.07/-0.03	0.18/-0.02	-0.57/-0.28	-0.09/-0.24	-0.23/-0.18	-0.48/-0.03	0.48/-0.56	1.01/-1.38	1.73/-1.93	1.87/-1.76	1.50/-0.84	0.57/-0.86	0.71/-0.15	0.02/-0.24	-0.28/-0.01	0.25/-0.12	0.48/-0.66	0.79/-0.64	0.51/-0.05	
Θ(22.5°)	-2.26/-1.15	-0.27/-0.64	-1.32/-1.36	-0.89/-1.12	-2.01/-2.18	-1.85/-1.68	-1.41/-0.88	0.02/-0.10	-0.46/-0.38	-0.95/-0.68	0.50/-1.00	0.89/-1.59	2.81/-2.94	1.84/-1.52	1.36/-1.38	1.02/-2.04	-0.12/-0.07	0.16/-0.94	1.34/-1.01	-0.03/-1.11	-1.24/-0.69	-0.49/-1.60	-2.20/-2.22	
Θ(30°)	-2.55/-3.13	-3.21/-3.85	-4.35/-4.27	-4.43/-3.84	-3.36/-2.57	-2.00/-1.11	-0.43/-0.26	0.61/-0.89	0.08/-1.31	-2.84/-3.10	-1.79/-1.19	-1.09/-0.07	1.22/-2.00	2.14/-1.18	0.27/-0.33	1.53/-2.34	2.42/-1.80	0.63/-0.32	1.37/-2.10	2.40/-2.65	-0.39/-2.63	-3.43/-3.42	-3.32/-2.39	
Θ(37.5°)	-1.37/-3.27	-5.11/-6.21	-5.89/-7.97	-7.55/-4.49	-1.79/-0.78	-0.25/-0.44	0.77/-0.11	-0.79/-0.97	-1.66/-2.72	-3.71/-3.71	-2.16/-2.28	-3.77/-3.18	-1.54/-0.07	0.54/-1.00	1.04/-0.19	0.58/-1.75	2.03/-0.40	0.34/-1.92	1.91/-1.69	1.56/-0.06	-1.28/-0.44	0.29/-0.23	-0.72/-2.31	-3.21/-1.60
Θ(45°)	-4.93/-8.17	-1.71/-6.01	-1.89/-0.97	-6.50/-3.80	-2.69/-1.92	0.15/-1.52	1.07/-0.25	-0.85/-3.02	-4.44/-2.90	-2.22/-1.08	-0.04/-0.83	-2.05/-4.80	3.52/-2.33	0.82/-0.04	0.06/-1.02	1.66/-2.19	3.35/-4.43	3.61/-4.39	3.52/-2.37	2.52/-2.75	2.67/-2.42	1.30/-0.32	-0.80/-1.07	-2.69/-2.64
Θ(52.5°)	-5.03/-13.83	-8.05/-3.54	-2.24/-3.88	-4.81/-4.47	-4.19/-3.07	-0.82/-0.75	0.30/-0.07	-0.65/-1.59	-5.21/-3.79	-0.31/-0.62	1.23/-0.44	-0.35/-3.72	-4.65/-0.50	-0.98/-0.76	1.72/-2.63	1.50/-1.33	2.65/-2.29	3.55/-4.40	4.48/-4.57	3.30/-1.82	1.67/-1.20	1.25/-0.42	-0.87/-2.34	-1.22/-2.91
Θ(60°)	-2.09/-7.35	-3.30/-1.54	-0.76/-1.00	-4.05/-6.67	-6.95/-4.53	-2.60/-0.21	0.74/-0.41	-0.98/-1.53	-3.71/-6.71	-0.80/-1.62	2.71/-1.47	0.63/-1.07	-0.67/-1.86	0.52/-0.02	2.54/-2.15	1.10/-2.22	1.65/-0.58	0.16/-1.30	4.04/-4.47	2.62/-0.05	0.30/-0.04	0.93/-0.68	1.46/-0.77	-0.49/-0.61
Θ(67.5°)	-6.71/-4.91	-1.89/-0.97	-0.81/-0.33	-4.21/-11.12	-7.																			



Antenna Pattern of Scan

Appendix F

Θ (60°)	-3.78/-5.58	-2.74/-0.56	-0.93/-4.20	-3.51/-4.35	-4.40/-3.41	-2.35/-2.34	-0.81/-0.01	-0.68/-1.16	-1.78/-4.15	-2.19/-0.09	-0.74/-0.99	0.67/-0.02	-0.54/-0.98	3.17/3.17	1.33/1.79	2.38/1.41	0.48/-1.39	2.41/3.74	3.43/1.26	-0.95/-0.87	2.66/1.68	-1.91/-0.65	1.44/0.92	1.10/-0.69
Θ (67.5°)	-1.34/-1.67	-1.94/-0.59	0.06/-3.38	-3.41/-5.02	-5.15/-3.80	-1.56/-1.35	-1.28/0.16	-0.90/-0.70	-0.26/-4.36	-2.61/-1.07	0.89/2.21	0.51/-1.46	1.45/-1.70	2.62/-1.59	1.75/-1.49	0.62/-1.02	-1.04/-0.11	0.39/1.18	2.89/1.33	-3.48/-0.54	2.63/-1.98	-1.60/-0.96	3.57/-1.51	2.77/0.90
Θ (75°)	-0.22/-1.16	-2.18/-0.73	-0.06/-3.00	-4.19/-4.24	-4.98/-5.42	-1.76/-4.66	-2.76/-2.25	-1.28/-0.87	-0.11/-2.70	-4.15/-0.72	2.09/-1.67	1.44/0.23	1.97/-1.61	1.42/0.58	1.24/0.69	0.40/-0.23	-0.36/-1.46	2.36/2.36	3.40/3.34	0.95/-1.09	3.79/3.00	-1.54/-0.65	3.61/-1.23	2.19/-1.73
Θ (82.5°)	-0.41/-0.97	-2.87/-2.44	-3.19/-3.97	-4.44/-4.38	-5.65/-6.41	-6.37/-4.30	-1.16/-0.89	-3.78/-0.96	-0.71/-2.03	-4.39/-0.69	1.67/0.92	0.17/-0.46	0.89/1.14	-0.66/-1.25	-1.33/-1.61	-1.14/-1.65	-1.27/-1.01	2.38/3.01	3.50/3.47	2.24/-1.59	3.44/-1.30	-1.95/-1.03	2.44/-0.55	0.63/-1.12
Θ (90°)	-1.89/-2.23	-3.80/-3.25	-4.86/-4.70	-5.17/-5.92	-7.20/-6.55	-7.19/-2.43	-2.48/-0.99	-4.30/-3.46	-2.33/-1.82	-5.10/-1.04	0.76/-0.65	-0.81/-3.21	-1.28/-0.05	-3.02/-8.22	-2.93/-2.25	-2.13/-3.98	-2.92/-0.25	0.98/1.23	2.01/2.86	1.98/-1.12	2.07/-1.08	-4.68/-1.08	-0.40/-2.52	-2.27/-0.27
Θ (97.5°)	-3.06/-3.58	-5.94/-5.60	-6.16/-6.52	-5.45/-6.87	-10.06/-6.00	-7.38/-2.88	-5.35/-2.08	-4.25/-5.24	-2.67/-3.72	-5.53/-3.11	-0.78/-2.05	-4.43/-5.00	-2.46/-2.95	-4.98/-5.58	-4.71/-3.80	-6.37/-3.88	-1.66/-2.65	-0.75/0.36	-0.23/-1.68	-1.29/-4.30	-5.48/-2.56	-2.90/-4.92	-5.33/-1.02	
Θ (105°)	-4.72/-5.45	-8.37/-6.72	-6.78/-7.80	-6.73/-7.85	-12.09/-8.26	-10.29/-4.62	-5.35/-3.39	-6.03/-6.62	-3.70/-5.84	-7.63/-4.89	-2.70/-3.57	-6.74/-7.43	-4.79/-3.77	-5.01/-4.65	-8.80/-5.27	-9.27/-9.69	-10.64/-12.21	-5.73/-6.79	-6.65/-6.16	-5.55/-5.51	-4.80/-7.20	-6.48/-7.49	-3.73/-5.57	-6.03/-4.62
Θ (112.5°)	-8.33/-10.59	-8.23/-7.56	-6.67/-9.80	-10.52/-11.68	-13.48/-12.70	-7.60/-10.29	-7.15/-7.30	-8.97/-8.13	-5.24/-8.99	-13.18/-4.75	-7.54/-4.34	-4.23/-5.18	-4.40/-7.68	-8.19/-6.17	-14.82/-11.01	-10.44/-7.58	-9.60/-10.48	-5.20/-7.97	-9.13/-6.17	-5.04/-6.75	-7.72/-11.77	-6.40/-7.52	-4.84/-7.96	
Θ (120°)	-9.00/-10.91	-10.60/-8.07	-10.22/-12.32	-15.91/-14.99	-13.76/-8.37	-8.82/-6.95	-7.52/-8.40	-9.59/-9.87	-9.93/-8.35	-13.14/-6.78	-11.93/-5.26	-8.67/-8.41	-6.45/-6.44	-5.75/-9.45	-7.77/-7.84	-15.37/-9.64	-14.80/-9.77	-8.02/-8.92	-6.64/-6.56	-6.03/-5.40	-10.15/-13.83	-8.18/-9.42	-8.58/-10.27	-6.52/-7.67
Θ (127.5°)	-7.37/-10.91	-9.64/-11.40	-13.34/-12.76	-13.73/-14.04	-12.74/-11.00	-8.24/-10.84	-9.65/-7.59	-9.05/-15.86	-8.30/-6.95	-12.98/-9.17	-10.10/-8.46	-9.41/-13.37	-5.77/-8.58	-6.23/-8.56	-10.61/-8.95	-12.82/-9.18	-9.69/-12.53	-10.88/-8.61	-12.55/-7.52	-8.80/-14.06	-15.04/-9.55	-10.88/-7.58	-7.81/-6.73	-12.67/-10.73
Θ (135°)	-10.97/-10.72	-14.68/-11.45	-12.93/-12.64	-13.00/-13.24	-11.63/-12.23	-11.60/-11.21	-11.05/-10.69	-13.97/-10.29	-7.57/-11.60	-11.94/-14.86	-12.35/-11.59	-8.99/-11.22	-5.74/-8.05	-7.37/-8.74	-15.14/-13.02	-10.19/-9.91	-13.06/-9.11	-11.82/-10.40	-11.36/-7.84	-8.56/-10.15	-9.73/-11.15	-12.99/-7.25	-12.49/-8.40	-11.33/-12.20
Θ (142.5°)	-14.73/-15.08	-15.97/-12.13	-14.85/-14.41	-14.64/-12.50	-14.01/-14.94	-13.48/-10.52	-9.21/-11.46	-14.02/-11.84	-12.37/-12.13	-11.31/-11.63	-10.50/-13.29	-10.86/-10.12	-14.68/-11.00	-12.98/-14.89	-13.73/-8.00	-14.48/-12.18	-10.68/-14.98	-14.89/-15.19	-11.93/-10.00	-10.41/-13.79	-12.12/-9.40	-10.42/-14.20		
Θ (150°)	-15.53/-13.41	-14.75/-15.23	-14.83/-15.09	-15.20/-15.25	-12.20/-9.14	-10.46/-15.43	-14.98/-14.20	-14.26/-14.92	-11.59/-11.13	-11.88/-15.64	-15.51/-13.92	-9.88/-10.75	-12.11/-13.48	-8.56/-10.10	-10.18/-12.65	-14.42/-12.59	-15.22/-15.72	-15.66/-15.30	-11.42/-10.97	-14.37/-14.38	-13.15/-12.88	-15.66/-14.72	-14.30/-14.27	-14.38/-15.42
Θ (157.5°)	-14.07/-13.80	-13.87/-15.30	-14.56/-12.35	-10.48/-10.97	-13.81/-12.07	-9.66/-11.07	-12.76/-15.09	-16.04/-15.28	-12.56/-9.73	-9.57/-10.86	-15.08/-15.05	-14.27/-13.82	-12.71/-11.62	-12.57/-9.98	-9.41/-10.24	-11.33/-15.23	-16.17/-14.05	-10.98/-13.30	-13.26/-15.00	-12.94/-10.49	-9.58/-10.45	-12.18/-12.16	-13.46/-12.47	-12.47/-11.03
Θ (165°)	-16.04/-12.90	-11.19/-11.76	-12.27/-11.72	-11.23/-9.14	-9.99/-11.50	-13.97/-14.56	-15.32/-14.85	-10.33/-12.08	-12.07/-12.60	-13.45/-15.15	-15.68/-15.45	-13.26/-12.87	-13.59/-12.68	-11.66/-12.17	-14.47/-15.67	-14.55/-15.62	-12.17/-10.43	-11.66/-13.04	-14.84/-15.33	-12.35/-13.13	-15.50/-15.47	-12.12/-9.40	-10.42/-14.20	
Θ (172.5°)	-14.48/-14.40	-15.37/-15.14	-15.34/-15.46	-15.19/-14.86	-15.77/-14.41	-13.90/-12.50	-12.22/-10.61	-9.42/-9.23	-10.24/-10.63	-9.77/-10.44	-11.90/-13.18	-14.55/-14.61	-12.28/-12.22	-12.46/-11.88	-12.38/-12.86	-12.78/-11.57	-10.10/-10.48	-11.64/-12.25	-11.09/-9.11	-8.90/-9.17	-8.59/-8.65	-10.16/-11.12	-11.59/-14.25	-16.06/-14.83
Θ (180°)	-10.22/-11.33	-11.41/-10.12	-10.68/-12.19	-13.05/-12.01	-11.90/-14.12	-14.20/-12.78	-10.56/-12.22	-12.17/-12.33	-12.84/-11.39	-11.28/-11.89	-11.69/-12.88	-13.40/-12.77	-13.60/-14.03	-13.56/-15.15	-15.69/-14.67	-15.19/-15.30	-15.90/-14.86	-14.50/-14.12	-13.91/-12.72	-13.59/-13.37	-12.83/-13.45	-12.41/-11.31	-11.83/-11.90	-12.22/-10.39
Freq(Hz)	6.995GPol.	TotalAnt.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ (0°)	1.16/1.44	1.42/1.26	1.23/1.56	1.61/1.65	1.81/1.71	1.67/1.55	2.02/1.99	1.87/2.00	2.10/1.99	1.79/1.67	1.74/1.62	1.55/1.61	1.35/1.28	1.37/1.30	1.35/1.47	1.43/1.28	1.65/2.02	1.48/1.96	1.45/1.68	1.83/1.30	1.60/1.71	1.37/1.76	1.73/1.37	1.23/1.22
Θ (7.5°)	0.62/0.63	0.78/0.80	0.91/1.01	1.19/1.26	1.46/1.59	1.60/1.48	1.83/1.75	1.41/1.31	1.37/1.35	0.86/0.53	0.39/0.30	0.41/0.44	0.57/0.94	1.39/1.78	2.13/2.25	2.66/2.93	2.91/3.04	3.08/2.23	3.13/3.17	3.43/3.18	3.06/2.98	2.77/2.44	2.22/1.64	1.26/1.06
Θ (15°)	0.19/-1.63	-2.30/-3.26	-3.79/-3.57	-3.02/-2.44	-1.41/-0.15	0.36/0.31	0.29/0.12	-0.90/-2.11	-2.04/-2.24	-2.29/-2.20	-1.80/-1.41	-1.07/-0.82	-0.10/0.81	1.09/1.02	0.34/-0.96	-2.04/-2.54	-2.32/-1.63	-1.28/-1.02	-0.85/-0.66	-0.72/-0.39	0.34/1.02	2.05/2.84	3.47/3.31	2.64/1.29
Θ (22.5°)	0.53/-1.35	-2.36/-1.71	-0.48/-1.04	-0.41/-0.84	-0.90/-0.83	-0.55/-1.21	-1.93/-1.59	-2.25/-2.38	-3.90/-5.06	-5.69/-4.41	-3.46/-2.03	-1.35/-1.19	-0.29/0.07	-0.09/-0.27	0.15/0.44	0.62/1.04	0.09/-0.45	0.25/0.21	-0.26/-0.17	0.48/1.35	1.76/1.67	2.23/2.52	2.36/1.98	0.82/0.69
Θ (30°)	-2.86/-3.06	-4.90/-3.62	-3.03/-3.35	-3.54/-5.25	-4.34/-1.87	-0.92/-0.99	-1.33/-1.36	-1.16/-1.43	-1.68/-2.19	-2.62/-3.18	-1.17/-3.62	-2.28/-0.59	0.97/1.94	3.50/3.41	1.75/-1.03	-2.01/-1.32	0.87/1.59	-0.29/-3.62	-6.09/-6.45	-3.37/0.40	1.52/1.93	1.43/0.32	-1.12/-2.19	
Θ (37.5°)	-1.91/-3.73	-9.41/-7.80	-6.74/-3.44	-3.10/-3.13	-1.88/-1.22	-2.04/-1.58	-0.83/-1.44	-3.34/-3.26	-2.63/-1.86	-2.48/-3.64	-2.79/-2.00	-2.65/-3.26	-0.72/2.02	2.76/2.55	3.03/3.26	2.82/1.66	-0.43/0.70	-0.59/0.16	0.28/-0.90	-0.75/-0.12	1.35/1.18	0.36/0.79	0.09/-1.39	
Θ (45°)	-0.66/-1.88	-4.10/-1.23	-3.86/-3.54	-3.43/-2.97	-2.15/-0.28	-2.87/-1.36	0.41/-0.02	-1.85/-1.97	-1.17/-1.86	-2.17/-3.22	-5.44/-5.08	-4.36/-2.84	-1.62/1.12	2.12/3.09	4.00/2.26	1.12/1.59	-0.83/0.45	0.82/0.31	-1.60/-3.32	-3.02/-3.25	-1.80/-2.29	-0.66/2.14	2.38/0.69	0.39/0.48
Θ (52.5°)	-2.37/-1.91	-1.87/0.37	-1.05/-3.99	-3.48/-5.56	-3.83/-2.91	-4.02/-2.33	-0.09/-0.70	-0.71/-0.36	-1.37/-5.35	-3.86/-1.55	-2.58/-2.71	-2.48/-2.11	-0.99/-1.00	1.95/3.62	2.71/-0.22	1.48/2.42	0.27/1.95	4.10/4.55	2.17/0.06	0.58/2.39	2.35/-1.33	1.55/1.67	0.65/0.88	0.11/-1.26
Θ (60°)	-3.15/-1.29	0.48/1.14	-0.25/-5.42	-5.00/-7.21	-4.21/-2.82	-2.45/-2.28	-2.11/-1.14	0.26/1.43	0.83/-3.13	-5.47/-0.64	0.46/0.28	1.06/-0.80	-0.39/-0.56	2.04/3.12	1.27/0.79	1.29/1.12	-0.84/0.38	3.49/4.86	2.59/1.45	1.67/2.42	1.49/-0.79	0.25/2.75	1.21/1.01	0.73/-0.70
Θ (67.5°)	-0.14/0.50	1.80/0.06	-1.43/-3.57	-2.90/-4.70	-4.28/-2.36	-3.90/-2.15	-0.41/-1.46	-0.65/-1.98	1.15/-0.58	-8.57/-1.32	2.05/1.81	1.96/-1.37	0.55/0.97	2.67/2.84	2.23/1.81	1.16/-0.38	-0.99/-1.46	0.01/1.84	2.50/-0.92	-4.44/0.52	1.21/-0.26	0.06/2.70	2.81/0.17	0.83/0.59
Θ (75°)	0.16/1.13	1.65/-1.20	-1.40/-3.23	-2.33/-4.83	-6.51/-1.46	-1.29/0.41	0.61/0.74	-0.94/-0.77	0.99/0.23	-7.63/-1.63	2.96/2.18	0.91/-2.95	-1.12/1.29	2.01/2.59	2.62/1.23	0.34/-0.84	0.34/0.98	1.49/3.51	4.44/1.78	-1.39/1.50	2.46/0.93	0.12/1.89	2.51/-0.92	0.89/0.52
Θ (82.5°)	-0.31/-0.42	-0.10/-2.91	-0.97/-2.62	-3.22/-3.72	-5.37/-3.56	-0.45/-2.82	-1.99/-2.20	-1.34/-2.30	0.62/0.30	-8.26/-1.61	3.09/1.56	-0.74/-3.73	-1.91/1.01	1.09/1.75	1.60/-0.61	-0.42/-3.30	2.37/4.47	4.42/0.31	1.62/2.26	1.57/-1.52	-0.70/0.60	0.82/-2.87	-0.84/-0.54	
Θ (90°)	-1.38/-1.71	-2.22/-5.59	-3.00/-3.64	-4.42/-5.20	-5.83/-5.68	-2.59/-3.05	-2.75/-3.22	-3.97/-3.25	-0.39/-1.14	-7.72/-0.08	2.13/0.64	-1.73/-4.46	-3.54/-2.09	-0.04/0.21	-0.05/-2.51	-3.13/-6.00	-2.33/0.08	0.99/2.72	3.70/2.06	1.90/1.62	0.85/-5.58	-1.72/-1.14	-1.12/-2.72	-3.12/-1.81
Θ (97.5°)	-2.20/-2.95	-3.84/-7.63	-5.29/-0.64	-6.04/-8.25	-5.94/-7.73	-6.33/-4.51	-3.57/-4.11	-6.26/-3.62	-1.95/-2.44	-9.38/-1.48	0.66/-1.21	-2.52/-3.54	-4.63/-0.75	-1.53/-1.62	-1.53/-3.16	-4.66/-4.83	-5.18/-3.32	-1.20/-2.28	1.42/0.08	-0.86/-1.90	-2.69/-9.74	-2.74/-2.59	-3.25/-1.36	-7.23/-3.57
Θ (105°)	-3.33/-4.86	-6.52/-7.34	-6.38/-6.59	-8.01/-11.95	-8.12/-7.53	-3.51/-9.05	-7.36/-8.29	-5.26/-6.11	-3.35/-3.80	-8.91/-3.86	-1.19/-3.49	-3.08/-3.87	-5.41/-2.07	-1.33/-2.08	-4.08/-4.57	-1.57/-9.40	-9.23/-9.84	-5.99/-7.73	-6.55/-4.81	-4.18/-9.28	-5.58/-1.61	-5.97/-6.01	-3.79/-9.62	-12.64/-6.27
Θ (112.5°)	-0.04/-7.23	-9.85/-13.91	-9.20/-9.01	-9.15/-10.62	-6.87/-5.02	-6.97/-6.00	-4.53/-5.01	-6.84/-																



Antenna Pattern of Scan

Appendix F

Θ (112.5°)	-6.74/-6.29	-8.50/-9.82	-11.13/-12.54	-14.27/-10.24	-7.95/-8.43	-7.59/-10.99	-6.63/-7.18	-7.09/-7.70	-9.31/-7.58	-9.55/-9.99	-8.21/-12.82	-9.22/-7.31	-9.62/-11.77	-13.89/-8.85	-10.55/-13.90	-8.83/-7.65	-10.69/-12.62	-10.01/-9.34	-12.12/-11.23	-10.19/-14.19	-7.85/-6.63	-11.92/-11.47	-13.49/-11.32	-9.85/-7.57
Θ (120°)	-9.86/-8.74	-10.04/-11.86	-12.81/-14.60	-14.23/-11.61	-12.94/-10.49	-9.91/-11.78	-7.35/-8.96	-9.77/-13.03	-6.65/-8.35	-9.70/-7.91	-8.69/-13.62	-9.67/-6.24	-11.05/-13.55	-9.42/-10.12	-12.30/-10.65	-6.81/-9.29	-11.54/-9.44	-12.11/-10.16	-9.06/-13.92	-13.11/-13.99	-10.62/-6.92	-9.58/-13.28	-12.91/-14.57	-11.89/-11.23
Θ (127.5°)	-11.02/-11.59	-11.30/-11.69	-11.13/-12.62	-14.23/-15.12	-15.01/-11.50	-13.00/-13.50	-11.11/-13.18	-10.01/-10.31	-8.06/-10.59	-13.05/-7.53	-8.75/-10.14	-8.38/-10.26	-8.39/-11.80	-7.75/-13.98	-12.85/-9.03	-10.75/-8.90	-12.46/-15.44	-12.05/-8.14	-10.33/-13.57	-15.43/-11.49	-12.15/-15.50	-13.20/-15.84	-13.50/-10.61	
Θ (135°)	-8.86/-13.61	-15.54/-14.85	-14.02/-13.15	-12.63/-12.82	-14.43/-15.20	-14.08/-12.81	-12.94/-14.01	-10.20/-12.39	-11.12/-11.33	-14.82/-12.15	-11.78/-9.46	-11.20/-11.59	-10.54/-15.63	-9.65/-13.58	-12.38/-8.69	-11.82/-15.48	-15.82/-15.25	-13.03/-9.99	-9.49/-12.48	-13.86/-14.15	-15.70/-14.26	-13.38/-12.59	-9.37/-12.32	-10.28/-8.59
Θ (142.5°)	-11.52/-10.81	-12.20/-13.33	-13.64/-15.54	-14.96/-15.13	-15.03/-13.14	-13.22/-14.41	-14.90/-15.01	-13.34/-15.42	-12.68/-9.18	-12.75/-12.42	-9.49/-8.60	-11.05/-10.95	-9.06/-13.88	-12.28/-12.72	-14.46/-14.73	-14.95/-15.24	-12.11/-11.20	-11.17/-12.29	-15.29/-15.54	-15.11/-14.40	-11.68/-13.25	-16.00/-15.32	-14.56/-15.50	-15.07/-13.73
Θ (150°)	-15.84/-12.85	-11.82/-12.58	-13.64/-13.73	-14.68/-15.75	-14.68/-13.70	-13.56/-14.12	-13.30/-13.72	-15.11/-11.16	-10.00/-10.96	-14.54/-13.21	-10.48/-12.06	-15.11/-12.16	-9.38/-12.82	-15.94/-15.45	-13.84/-10.96	-11.51/-15.06	-13.75/-15.13	-15.04/-15.89	-14.10/-13.95	-15.12/-15.18	-15.11/-14.34	-15.20/-15.13	-15.99/-15.52	-13.20/-16.00
Θ (157.5°)	-13.30/-13.91	-13.50/-12.25	-11.04/-11.83	-12.99/-13.47	-13.00/-13.24	-13.18/-12.86	-12.33/-12.43	-14.27/-15.33	-15.15/-14.73	-13.25/-11.51	-11.39/-12.21	-14.06/-15.03	-12.67/-15.34	-15.25/-15.39	-15.12/-16.03	-15.42/-13.40	-12.16/-12.37	-13.92/-15.24	-15.40/-15.48	-15.03/-15.33	-15.23/-15.28	-14.86/-14.98	-15.42/-15.69	-15.81/-13.74
Θ (165°)	-13.03/-14.10	-14.17/-13.83	-15.73/-13.17	-15.49/-15.63	-15.55/-15.16	-15.67/-15.25	-15.20/-15.76	-13.24/-12.55	-12.76/-13.05	-14.75/-15.58	-15.34/-15.35	-12.82/-11.53	-11.32/-12.39	-13.73/-15.34	-15.33/-15.00	-14.69/-14.86	-15.03/-15.20	-13.69/-14.53	-15.52/-15.68	-14.67/-15.36	-13.96/-13.94	-13.75/-15.04	-15.06/-13.85	-12.15/-11.79
Θ (172.5°)	-14.78/-14.08	-13.94/-14.53	-14.60/-14.21	-14.61/-14.79	-14.21/-15.16	-15.23/-13.71	-12.66/-11.78	-11.40/-12.08	-12.45/-12.86	-13.77/-14.24	-14.46/-15.01	-15.11/-14.98	-16.02/-14.78	-16.19/-15.90	-15.40/-15.43	-14.48/-14.83	-14.06/-14.13	-13.40/-13.36	-14.10/-14.96	-14.42/-14.59	-14.76/-14.99	-15.67/-15.21	-14.33/-14.18	-13.91/-14.46
Θ (180°)	-15.39/-15.13	-13.91/-13.41	-13.57/-13.84	-13.75/-13.55	-13.90/-14.98	-16.05/-15.28	-14.48/-14.00	-13.92/-14.21	-14.91/-15.39	-15.90/-15.21	-14.62/-15.95	-15.30/-14.49	-14.62/-14.93	-14.85/-14.15	-13.61/-13.99	-13.42/-13.63	-14.11/-14.32	-13.74/-12.96	-11.89/-11.41	-11.35/-12.91	-13.70/-14.12	-14.45/-14.16	-14.07/-14.09	-14.62/-15.40
Freq(Hz)	5.6GPol.	Total/Ant. 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ (0°)	-1.61/-1.41	-1.41/-1.33	-1.18/-1.06	-0.78/-0.76	-1.05/-1.22	-1.27/-1.07	-1.02/-0.84	-0.66/-0.47	-0.49/-0.44	-0.52/-0.71	-0.89/-0.84	-0.53/-0.55	-0.74/-0.68	-0.86/-0.65	-0.61/-0.60	-0.42/-0.77	-0.98/-1.06	-0.97/-1.22	-1.08/-1.01	-0.77/-1.01	-1.19/-1.02	-1.05/-1.06	-1.26/-1.42	-1.58/-1.66
Θ (7.5°)	0.48/0.42	0.20/0.03	0.17/0.32	0.23/-0.23	-0.61/-0.67	-0.90/-1.28	-1.88/-2.27	-2.60/-2.91	-3.14/-2.96	-2.80/-2.63	-2.34/-1.91	-1.55/-0.94	-0.47/-0.39	-0.28/-0.12	0.40/0.39	0.38/0.34	0.27/0.21	0.14/-0.06	-0.04/-0.27	0.21/0.09	-0.21/-0.02	0.10/0.41	0.08/-0.08	-0.11/0.23
Θ (15°)	-1.45/-1.40	-1.80/-2.18	-1.93/-1.53	-1.20/-0.96	-0.65/-0.42	-0.25/-0.19	-0.30/-0.41	-0.40/-0.50	-0.70/-0.69	-0.65/-0.51	-0.26/0.13	0.53/0.68	0.65/0.68	1.00/1.23	1.19/0.96	1.01/1.07	0.62/0.01	-0.47/-0.82	-0.75/-0.88	-1.38/-1.78	-2.21/-2.09	-1.40/-0.80	-0.70/-0.71	-1.00/-1.21
Θ (22.5°)	-0.29/-0.02	0.17/0.02	-0.70/-1.63	-2.48/-2.37	-1.91/-1.28	-0.73/-0.46	-0.34/0.05	0.77/1.11	0.77/0.47	0.53/0.71	0.67/0.68	0.78/0.81	0.73/0.75	0.88/0.53	0.11/-0.44	-1.17/-1.94	-3.19/-4.83	-6.76/-8.46	-6.75/-5.02	-4.70/-5.20	-4.82/-3.07	-1.62/-1.28	-1.60/-1.90	-1.66/-0.98
Θ (30°)	0.45/0.72	0.76/0.97	1.03/0.22	-1.08/-1.97	-2.63/-3.15	-3.11/-2.48	-1.96/-1.69	-1.27/-1.00	-1.29/-0.59	1.03/2.06	2.00/1.91	1.60/-1.62	1.66/0.93	-0.39/-1.88	-2.43/-2.21	-2.71/-4.11	-5.13/-6.05	-6.36/-6.10	-4.68/-4.53	-4.48/-4.14	-2.10/-2.42	-3.47/-2.54	-1.07/-0.02	
Θ (37.5°)	-1.14/-1.24	-1.25/-0.19	1.04/0.76	-0.80/-1.54	-1.83/-1.99	-2.82/-3.55	-2.90/-3.25	-2.86/-2.18	-2.39/-1.14	0.22/0.77	0.13/0.17	0.88/0.71	-0.32/-1.62	-1.76/-0.70	0.58/0.92	-1.89/-4.62	-8.10/-6.60	-6.14/-6.33	-4.89/-5.04	-5.81/-4.65	-2.97/-2.89	-3.29/-2.00	-1.40/-1.39	
Θ (45°)	-0.35/-0.39	-0.88/-1.38	-0.49/0.05	-0.77/-1.15	-0.83/-1.32	-2.39/-3.54	-3.20/-2.20	-1.13/-0.88	-1.72/-0.88	-0.49/-0.32	0.62/1.43	2.59/2.57	1.79/0.21	1.20/2.10	1.47/0.74	0.33/-0.24	-1.88/-4.10	-6.53/-9.47	-11.37/-9.67	-7.89/-6.14	-7.46/-6.42	-4.49/-4.20	-4.73/-4.45	-3.84/-1.30
Θ (52.5°)	0.07/0.62	0.18/-0.25	-0.96/-1.56	-2.10/-0.76	0.28/-0.05	-0.40/-2.56	-3.42/-0.24	0.77/0.60	0.92/0.91	0.47/-0.36	0.64/1.69	2.78/2.52	1.01/0.97	2.13/-1.64	0.29/-0.81	-0.24/0.63	-1.49/-3.44	-0.04/-5.79	-12.30/-11.37	-7.08/-6.71	-7.83/-6.33	-4.70/-6.31	-8.84/-6.87	-4.59/-0.95
Θ (60°)	-0.39/0.96	0.72/0.20	-1.19/-2.03	-3.87/-1.80	0.32/0.34	-0.83/-0.43	-2.53/0.81	-0.92/0.92	2.25/-0.93	0.43/-0.63	0.11/1.60	2.73/2.38	1.51/-1.31	0.69/-0.00	0.69/-0.23	-4.26/-1.01	-0.98/-3.45	-4.21/-2.79	-5.72/-7.96	-5.53/-6.34	-5.94/-3.29	-4.89/-5.59	-6.99/-5.22	-4.42/-0.23
Θ (67.5°)	-1.95/0.23	-0.58/-1.60	-1.75/-2.12	-3.89/-3.57	-0.79/0.17	0.89/-0.20	-1.85/-1.72	1.13/-1.22	1.76/-1.89	0.27/-0.35	0.41/2.02	2.63/-2.90	2.89/2.19	0.38/0.26	1.56/1.57	-0.75/-0.57	0.08/-2.07	-3.67/-0.65	-2.68/-6.58	-4.31/-5.10	-2.91/-2.23	-5.15/-7.84	-5.13/-4.68	-5.61/-3.76
Θ (75°)	-4.34/-1.59	-3.17/-3.81	-2.45/-2.34	-2.71/-4.52	-2.07/-0.48	0.18/-0.56	-2.25/-2.24	0.22/0.25	1.31/0.84	0.52/-0.15	-0.22/0.40	1.27/2.06	2.79/2.08	0.28/0.00	0.20/1.74	1.95/0.01	0.77/-0.33	-3.55/-0.19	-2.04/-4.46	-3.31/-5.25	-2.57/-2.08	-4.53/-6.13	-4.57/-4.68	-6.55/-6.75
Θ (82.5°)	-6.47/-3.99	-4.74/-6.31	-4.12/-2.86	-3.04/-6.32	-3.48/-1.46	-1.48/-2.02	-3.51/-0.09	-1.35/-0.85	-0.24/-0.78	-0.54/-1.23	-1.87/-2.47	-1.00/0.75	1.26/0.44	-1.22/-1.11	-2.40/0.72	2.24/0.49	1.04/-1.28	-4.06/0.49	-2.38/-4.19	-2.97/-2.27	-3.11/-3.43	-5.35/-5.98	-5.33/-5.94	-8.60/-8.37
Θ (90°)	-8.03/-6.71	-6.57/-8.67	-7.17/-4.67	-4.35/-7.04	-5.54/-2.64	-3.41/-3.22	-4.78/-1.62	-3.02/-2.87	-2.40/-2.75	-1.29/-2.50	-4.03/-5.04	-3.07/-1.46	-0.84/-0.45	-3.21/-2.68	-6.57/-1.81	1.04/0.27	-0.24/-1.47	-5.54/-0.24	-3.57/-4.58	-4.46/-5.50	-5.33/-4.81	-6.05/-6.93	-7.36/-7.54	-11.18/-11.92
Θ (97.5°)	-9.90/-8.47	-9.30/-9.80	-8.53/-8.40	-5.57/-5.05	-6.67/-3.40	-6.12/-5.05	-6.88/-3.47	-5.79/-4.15	-4.10/-6.03	-4.17/-4.12	-6.47/-6.51	-5.39/-3.52	-3.85/-2.51	-5.70/-4.61	-9.44/-6.09	-1.64/-2.00	-2.49/-3.44	-8.06/-1.89	-6.19/-6.54	-7.07/-6.61	-9.27/-6.28	-6.77/-5.58	-7.61/-9.55	-10.77/-13.14
Θ (105°)	-14.02/-10.06	-8.22/-8.38	-7.72/-6.93	-6.74/-9.23	-7.72/-6.15	-6.68/-6.80	-10.77/-5.44	-6.86/-5.50	-7.32/-9.37	-6.05/-6.23	-7.87/-6.52	-6.41/-5.58	-5.55/-3.61	-8.36/-6.90	-12.71/-6.30	-5.64/-6.24	-6.84/-7.22	-13.78/-6.89	-8.71/-8.25	-10.11/-8.20	-11.66/-8.89	-8.72/-7.70	-9.88/-10.90	-14.25/-14.53
Θ (112.5°)	-10.64/-9.90	-9.68/-8.63	-10.48/-8.27	-8.09/-10.01	-8.24/-8.71	-9.07/-8.50	-10.89/-5.28	-8.10/-7.29	-7.82/-11.27	-7.52/-10.73	-10.70/-10.39	-10.99/-9.94	-8.95/-7.76	-11.25/-7.88	-11.43/-10.70	-6.64/-9.16	-8.40/-14.17	-12.73/-6.73	-10.06/-8.90	-10.48/-11.84	-12.23/-11.96	-8.04/-9.00	-8.39/-11.37	-10.88/-14.68
Θ (120°)	-11.67/-9.95	-10.38/-9.67	-15.65/-10.83	-12.33/-11.58	-11.16/-10.90	-9.54/-10.35	-8.35/-8.50	-9.35/-10.96	-10.45/-6.73	-9.85/-9.79	-8.41/-13.80	-9.27/-8.09	-13.04/-11.84	-11.44/-7.62	-11.63/-14.70	-6.35/-7.93	-7.67/-12.62	-11.34/-5.63	-10.05/-9.70	-13.72/-15.30	-10.80/-12.38	-13.36/-12.53	-10.60/-11.36	-14.50/-13.11
Θ (127.5°)	-11.58/-10.92	-11.28/-15.60	-14.70/-13.61	-14.79/-14.74	-11.93/-9.34	-10.18/-10.90	-11.44/-12.14	-10.21/-11.31	-9.96/-8.37	-13.48/-9.45	-10.87/-7.89	-7.22/-8.03	-11.23/-9.01	-7.81/-14.44	-13.12/-11.63	-8.79/-9.24	-12.91/-15.37	-10.25/-7.44	-9.19/-14.61	-14.27/-15.11	-12.79/-10.93	-11.35/-12.69	-14.44/-14.71	-13.74/-16.00
Θ (135°)	-15.61/-12.31	-12.28/-12.96	-12.95/-13.45	-13.94/-13.37	-13.09/-14.97	-14.34/-11.85	-12.27/-11.93	-9.11/-10.12	-15.03/-9.95	-12.86/-12.61	-15.72/-8.47	-8.34/-10.11	-10.84/-12.73	-8.58/-12.59	-11.71/-11.44	-13.78/-12.94	-15.46/-15.39	-14.79/-12.44	-10.49/-14.99	-12.36/-15.19	-12.10/-13.18	-12.83/-14.10	-11.60/-15.61	-16.01/-15.04
Θ (142.5°)	-13.54/-13.27	-15.19/-15.11	-15.14/-15.26	-13.11/-12.38	-14.93/-15.08	-13.32/-13.53	-14.05/-12.21	-11.42/-14.21	-13.96/-13.21	-11.77/-9.73	-10.89/-11.37	-10.50/-11.27	-10.23/-13.17	-14.23/-13.42	-14.73/-14.07	-15.98/-15.17	-15.54/-14.32	-13.54/-15.86	-13.83/-15.83	-11.92/-14.58	-15.38/-15.25	-13.72/-15.84	-14.75/-15.11	
Θ (150°)	-14.18/-11.91	-12.42/-14.19	-14.84/-14.84	-14.88/-15.20	-15.88/-13.35	-14.53/-14.74	-13.52/-10.90	-13.03/-15.93	-11.81/-12.55	-15.01/-13.67	-11.34/-12.99	-15.15/-12.12	-8.92/-9.88	-13.20/-15.68	-13.54/-12.89	-14.63/-15.66	-13.91/-14.54	-15.11/-14.94	-14.18/-13.63	-13.64/-15.62	-15.90/-15.02	-14.22/-14.88	-14.84/-15.77	-15.57/-15.12
Θ (157.5°)	-15.82/-15.23	-15.05/-13.03	-12.62/-12.64	-15.92/-15.25	-15.26/-14.33	-14.45/-16.03	-15.44/-12.61	-11.81/-12.93																



Antenna Pattern of Scan

Appendix F

Θ (165°)	-15.57/-14.72	-14.17/-12.38	-11.05/-11.53	-12.59/-12.93	-13.48/-14.55	-15.80/-15.51	-15.95/-13.74	-13.33/-13.80	-15.16/-15.58	-12.93/-11.60	-12.91/-15.21	-15.00/-15.63	-13.37/-12.97	-15.55/-13.35	-11.23/-12.62	-11.01/-10.65	-11.18/-11.58	-11.62/-13.61	-13.95/-13.61	-14.16/-14.98	-15.24/-15.09	-15.85/-14.46	-16.32/-15.05	-14.69/-15.17
Θ (172.5°)	-15.55/-15.22	-14.55/-13.41	-13.48/-14.72	-15.37/-15.41	-14.14/-13.14	-11.60/-10.60	-11.03/-12.39	-14.55/-15.51	-14.71/-15.37	-15.31/-13.80	-14.61/-15.30	-14.21/-12.85	-13.04/-13.65	-11.62/-10.24	-10.77/-11.76	-12.79/-14.93	-15.53/-14.71	-15.37/-14.54	-14.26/-14.02	-15.05/-16.08	-15.48/-15.40	-15.39/-15.37	-15.01/-15.24	-14.81/-15.26
Θ (180°)	-14.34/-10.42	-10.82/-10.91	-10.65/-11.82	-12.04/-11.95	-11.39/-12.05	-12.75/-13.42	-13.06/-12.92	-12.40/-12.85	-12.99/-12.03	-11.52/-11.76	-12.42/-13.45	-13.08/-11.57	-10.76/-11.47	-12.07/-11.12	-10.57/-10.68	-11.27/-10.79	-12.35/-12.45	-12.45/-12.70	-12.35/-12.45	-12.53/-12.43	-12.24/-12.66	-12.93/-11.94	-12.83/-11.01	-11.37/-11.00
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°)	-0.99/-0.86	-0.71/-0.49	-0.67/-0.92	-0.94/-1.09	-1.22/-1.31	-1.37/-1.75	-2.08/-2.23	-2.54/-2.51	-2.39/-2.22	-1.90/-1.48	-1.50/-2.09	-2.31/-1.81	-1.32/-1.74	-2.02/-1.44	-1.61/-1.89	-1.77/-1.54	-1.60/-1.86	-2.06/-1.85	-1.98/-1.99	-1.88/-1.69	-1.54/-1.48	-1.44/-1.34	-1.44/-1.62	-1.18/-1.13
Θ (7.5°)	-1.15/-0.99	-1.19/-1.09	-0.98/-1.27	-1.89/-2.00	-2.00/-2.19	-2.41/-2.35	-1.95/-1.57	-1.27/-0.89	-0.55/-0.27	-0.10/-0.35	0.45/-0.38	0.33/-0.23	0.19/-0.20	0.09/-0.18	-0.29/-0.11	-0.01/-0.03	0.06/-0.05	-0.24/-0.90	-1.23/-1.27	-1.09/-1.21	-1.14/-1.37	-1.32/-1.45	-1.58/-1.80	-1.77/-1.50
Θ (15°)	-1.40/-1.24	-1.30/-1.24	-0.96/-0.90	-0.90/-1.10	-1.44/-2.11	-2.66/-2.76	-2.25/-1.48	-0.95/-1.02	-1.53/-2.05	-2.50/-2.40	-2.48/-3.05	-3.61/-4.44	-4.90/-4.36	-3.82/-3.24	-2.85/-2.34	-2.04/-1.48	-0.47/-0.22	0.20/-0.40	-1.17/-2.19	-2.99/-3.25	-2.70/-2.96	-2.91/-2.64	-2.17/-1.93	-1.75/-1.74
Θ (22.5°)	-0.94/-0.64	-1.00/-1.81	-2.18/-1.97	-1.58/-1.64	-1.72/-1.59	-1.27/-1.11	-1.23/-1.25	-0.62/-0.27	-0.98/-2.20	-2.45/-2.25	-2.61/-2.66	-1.98/-1.20	-0.32/-0.30	0.23/-0.14	-0.08/-0.09	-0.08/-0.57	-1.14/-0.44	-0.12/-1.10	-4.28/-7.55	-4.81/-2.62	-1.94/-2.64	-2.99/-2.48	-1.53/-1.28	-1.08/-1.03
Θ (30°)	-0.94/-1.36	-1.96/-2.13	-2.67/-3.30	-2.73/-2.39	-3.80/-4.68	-2.56/-0.75	-0.66/-0.57	0.99/-1.91	1.41/-0.26	-1.44/-1.62	-1.83/-1.89	-2.90/-3.57	-3.72/-2.95	-1.08/-0.58	-1.71/-2.70	-2.52/-2.95	-3.57/-2.93	-1.69/-2.66	-6.22/-9.08	-5.27/-2.86	-4.06/-7.73	-5.01/-3.36	-2.89/-2.85	-1.84/-1.04
Θ (37.5°)	0.08/-0.38	0.57/-0.45	-0.63/-2.39	-3.80/-4.22	-5.48/-7.56	-6.00/-3.33	-1.88/-0.10	1.44/-1.21	0.67/-0.79	0.53/-0.40	0.77/-0.49	-1.11/-0.07	0.52/-0.83	0.43/-1.41	-1.53/-1.31	-2.62/-2.28	-1.85/-2.82	-2.11/-2.16	-5.56/-5.32	-4.62/-2.80	-2.57/-5.22	-4.72/-5.92	-5.88/-3.99	-2.23/-1.49
Θ (45°)	-1.35/-1.49	-0.96/-0.96	-1.33/-2.73	-4.64/-5.77	-5.42/-6.74	-5.51/-3.78	-4.19/-0.80	0.41/-0.08	0.27/-0.44	-1.28/-0.98	-0.72/-0.98	-1.22/-0.59	-1.91/-2.83	-4.01/-3.92	-1.42/-0.26	-0.55/-2.32	-2.94/-2.74	-3.86/-2.85	-4.37/-5.94	-7.04/-3.63	-2.44/-7.16	-8.90/-6.66	-3.19/-3.07	-2.50/-1.76
Θ (52.5°)	-4.81/-4.66	-2.44/-1.84	-2.77/-2.73	-2.49/-3.49	-2.74/-3.32	-3.00/-1.97	-3.70/-1.79	-1.09/-0.34	0.53/-0.60	-0.31/-0.41	-0.21/-0.73	2.22/-2.82	2.71/-1.57	0.19/-0.66	0.73/-0.44	1.27/-0.82	-1.92/-4.69	-5.02/-5.41	-4.92/-5.17	-4.92/-2.19	-2.12/-5.34	-5.56/-4.68	-4.83/-4.93	-3.68/-4.01
Θ (60°)	-2.46/-2.81	-1.54/-1.37	-4.09/-5.77	-2.81/-1.16	-0.16/-0.79	-1.36/-0.83	-1.68/-2.08	-0.19/-0.79	0.53/-0.27	-0.53/-0.63	-0.37/-0.29	0.96/-1.59	2.44/-2.14	0.64/-0.80	-0.64/-0.97	-1.17/-0.05	-0.89/-6.51	-3.94/-8.75	-7.40/-4.78	-3.47/-1.52	-2.14/-4.24	-4.28/-6.21	-7.25/-4.78	-3.24/-2.74
Θ (67.5°)	-1.77/-2.52	-1.78/-1.49	-4.06/-7.77	-4.96/-1.27	-0.02/-0.44	-0.36/-1.04	-1.09/-2.26	0.48/-1.04	0.42/-0.16	-1.46/-1.51	-0.43/-0.34	1.14/-2.01	1.44/-2.01	0.36/-1.21	-0.40/-0.84	-2.04/-1.75	-0.73/-5.85	-2.44/-6.54	-4.04/-1.96	-2.45/-0.31	-3.24/-4.65	-3.76/-5.84	-6.07/-4.65	-2.74/-1.78
Θ (75°)	-2.82/-3.41	-1.93/-1.60	-3.22/-5.70	-6.35/-1.50	0.11/-1.39	-0.16/-1.83	-1.25/-2.85	0.41/-1.01	-1.52/-2.17	-1.87/-0.41	-0.46/-1.73	1.24/-2.73	2.28/-2.51	0.30/-0.78	1.13/-0.49	0.06/-0.16	0.14/-3.98	-0.84/-3.02	-2.91/-0.27	-2.07/-1.21	-5.04/-4.58	-3.11/-6.82	-6.47/-5.86	-3.67/-3.20
Θ (82.5°)	-4.72/-5.14	-3.39/-2.62	-3.51/-4.55	-6.39/-1.33	-0.39/-0.01	-0.60/-1.62	-1.35/-1.53	-0.55/-0.81	-2.24/-1.49	-3.00/-1.90	-2.15/-3.89	0.34/-1.51	1.45/-2.05	-1.44/-1.46	-0.02/-2.83	0.61/-0.30	-0.15/-3.40	-1.09/-2.41	-0.98/-0.21	-2.33/-1.91	-6.33/-6.32	-4.61/-6.03	-5.58/-7.04	-5.71/-6.02
Θ (90°)	-7.72/-6.90	-5.24/-3.74	-5.04/-4.86	-6.72/-1.54	-1.50/-0.81	-1.19/-2.71	-2.88/-2.51	-1.38/-2.44	-3.41/-0.99	-4.55/-3.80	-4.65/-5.84	-3.20/-0.87	0.28/-0.15	-3.71/-4.24	-1.35/-4.91	-1.08/-0.14	-0.74/-5.44	-1.50/-3.98	-0.95/-1.76	-4.76/-4.47	-6.81/-6.48	-5.79/-9.38	-5.20/-7.99	-7.70/-9.75
Θ (97.5°)	-9.69/-8.24	-6.12/-5.31	-6.86/-6.51	-7.25/-2.76	-3.79/-2.97	-3.42/-4.47	-4.51/-4.51	-2.74/-4.27	-4.79/-3.88	-8.34/-5.44	-5.48/-7.39	-6.46/-4.09	-2.21/-3.01	-5.02/-6.47	-2.82/-5.55	-3.27/-2.76	-3.91/-7.39	-3.99/-7.56	-2.37/-5.23	-7.68/-9.01	-6.36/-5.86	-9.01/-12.63	-5.66/-8.40	-9.94/-12.99
Θ (105°)	-11.84/-9.82	-9.28/-8.08	-6.80/-6.88	-7.38/-4.85	-4.24/-4.65	-5.86/-5.52	-5.45/-6.24	-3.99/-4.96	-9.14/-4.92	-10.41/-7.12	-6.64/-8.55	-9.25/-4.35	-3.06/-6.26	-5.83/-9.12	-5.16/-6.26	-7.91/-7.01	-11.87/-8.18	-8.77/-14.66	-5.09/-14.86	-10.48/-12.71	-9.62/-6.32	-9.67/-11.43	-7.74/-9.83	-10.57/-11.57
Θ (112.5°)	-10.27/-9.71	-9.58/-8.12	-6.90/-8.99	-7.23/-9.61	-5.70/-4.92	-6.25/-7.73	-9.20/-9.22	-4.38/-7.86	-9.49/-5.01	-14.31/-9.01	-11.06/-9.77	-8.93/-6.36	-6.24/-9.62	-7.76/-13.27	-10.85/-5.72	-13.07/-8.86	-10.86/-13.23	-7.68/-15.37	-4.25/-10.94	-13.34/-10.46	-12.46/-5.08	-10.71/-11.11	-13.33/-13.00	-14.79/-13.58
Θ (120°)	-12.94/-11.59	-9.29/-9.40	-10.79/-11.61	-8.77/-11.19	-7.90/-9.30	-6.61/-9.46	-6.46/-9.69	-6.18/-9.95	-7.65/-6.90	-14.53/-10.02	-10.62/-10.92	-10.34/-8.40	-7.90/-12.15	-12.42/-11.51	-14.80/-10.12	-8.45/-9.98	-8.00/-10.06	-10.78/-8.67	-7.14/-10.46	-9.59/-12.62	-9.42/-9.20	-10.72/-10.10	-9.71/-10.98	-14.44/-14.82
Θ (127.5°)	-12.18/-11.42	-10.60/-12.71	-12.72/-10.92	-12.44/-10.88	-10.09/-7.73	-8.52/-11.12	-9.53/-10.93	-7.31/-7.63	-11.98/-7.13	-10.81/-13.83	-9.96/-11.47	-6.79/-8.21	-13.63/-12.91	-13.63/-15.09	-13.72/-15.01	-11.16/-15.69	-13.63/-15.09	-9.99/-11.18	-9.92/-8.76	-12.25/-15.61	-8.17/-8.66	-14.58/-11.30	-9.83/-11.51	-14.71/-11.69
Θ (135°)	-11.88/-12.93	-15.81/-11.88	-9.87/-10.19	-13.46/-10.71	-11.98/-10.97	-15.10/-9.12	-11.13/-9.66	-7.66/-12.32	-10.82/-9.51	-9.74/-13.92	-12.31/-14.47	-8.10/-9.48	-13.52/-15.76	-13.09/-13.68	-12.37/-13.84	-10.89/-12.77	-11.06/-13.32	-13.33/-13.40	-12.08/-13.04	-14.96/-16.31	-14.69/-12.76	-13.44/-11.29	-14.79/-13.58	-13.35/-7.39
Θ (142.5°)	-12.03/-12.73	-13.00/-14.94	-14.75/-15.43	-12.82/-13.24	-12.93/-10.61	-15.78/-10.78	-15.09/-10.56	-11.96/-10.91	-12.55/-15.56	-15.30/-15.58	-15.20/-11.61	-7.26/-9.79	-9.98/-9.61	-11.70/-13.32	-11.67/-12.53	-13.37/-15.34	-11.07/-14.65	-16.04/-14.10	-15.04/-10.22	-15.79/-12.46	-11.71/-15.48	-11.97/-12.85	-14.20/-12.85	-11.85/-10.29
Θ (150°)	-10.76/-12.72	-14.34/-12.67	-10.91/-9.33	-11.88/-16.05	-13.06/-13.56	-14.77/-8.77	-9.62/-15.72	-11.73/-12.21	-14.67/-11.14	-8.71/-9.81	-11.85/-12.00	-12.78/-13.75	-6.47/-7.12	-13.67/-13.17	-14.07/-15.92	-15.64/-15.40	-14.74/-15.72	-13.92/-14.76	-15.13/-12.80	-13.08/-13.74	-13.19/-15.15	-15.76/-14.75	-13.27/-10.29	-9.87/-10.41
Θ (157.5°)	-15.38/-15.10	-15.68/-14.14	-13.93/-14.98	-15.83/-15.28	-13.46/-13.50	-14.07/-14.96	-14.67/-14.77	-12.12/-12.94	-12.24/-11.05	-12.02/-11.09	-8.70/-8.38	-9.90/-14.39	-12.37/-13.86	-10.95/-16.14	-15.91/-14.38	-14.86/-15.17	-11.53/-10.48	-12.96/-15.18	-15.46/-14.57	-14.00/-13.11	-13.17/-15.45	-15.67/-15.09	-14.82/-15.41	
Θ (165°)	-15.56/-14.93	-15.23/-14.14	-14.08/-13.32	-12.31/-13.19	-14.71/-15.34	-15.65/-12.67	-10.03/-9.45	-11.70/-14.39	-13.80/-12.95	-11.03/-10.67	-10.02/-10.98	-13.67/-15.14	-13.83/-13.16	-14.37/-13.80	-12.78/-9.38	-8.62/-10.97	-15.49/-15.84	-15.00/-14.76	-15.31/-15.54	-14.73/-13.12	-14.16/-14.69	-14.96/-15.27	-15.36/-14.75	-14.93/-15.66
Θ (172.5°)	-13.22/-15.43	-15.09/-15.75	-14.82/-15.42	-14.93/-14.76	-14.68/-15.66	-13.07/-12.05	-11.21/-11.35	-12.19/-13.96	-15.42/-14.80	-15.60/-15.41	-14.77/-15.33	-14.07/-11.53	-11.46/-15.03	-15.14/-15.82	-15.26/-15.15	-15.13/-14.41	-14.86/-14.14	-13.75/-15.26	-14.29/-14.55	-12.76/-12.92	-12.45/-13.74	-13.98/-12.15	-12.67/-12.42	-12.90/-12.01
Θ (180°)	-13.31/-12.69	-13.01/-13.37	-14.22/-14.30	-13.48/-13.44	-14.09/-13.86	-13.29/-13.15	-12.81/-12.81	-12.51/-13.13	-14.32/-14.96	-15.42/-14.64	-14.14/-13.69	-13.45/-12.32	-12.51/-13.66	-14.70/-14.83	-14.06/-13.18	-13.13/-12.31	-12.09/-12.51	-13.46/-13.64	-13.24/-13.06	-13.41/-12.26	-11.89/-12.11	-13.08/-13.94	-13.01/-11.95	-11.73/-12.43
Freq(Hz)	6.695GPol.	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°)	-0.53/-0.53	-1.16/-1.50	-1.37/-1.49	-1.70/-1.55	-1.51/-1.77	-2.13/-2.54	-2.48/-2.15	-2.12/-2.40	-2.46/-2.41	-2.77/-2.36	-2.46/-2.03	-1.33/-1.58	-1.94/-2.02	-1.18/-1.56	-2.39/-1.95	-1.43/-1.56	-1.61/-1.53	-1.35/-1.68	-1.60/-1.40	-1.13/-1.26	-1.14/-1.20	-0.92/-0.83	-1.06/-0.87	-1.28/-1.25
Θ (7.5°)	-0.79/-0.15	-0.11/-0.42	-0.36/-0.43	-0.64/-0.84	-0.76/-0.91	-1.36/-1.72	-1.53/-1.11	-0.73/-0.40	0.02/-0.51	0.98/-1.26	1.40/-1.67	1.88/-1.86	1.72/-1.68	1.71/-1.67	1.08/-0.75	0.53/-0.28	-0.45/-1.24	-1.92/-2.48	-3.20/-3.75	-3.90/-3.80	-3.59/-2.94	-2.3		

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

