

DG 1SS Result

[illegible]



Radiated Composite Gain Data_Radio_4_6GHz_4TX

Appendix F

Θ(22.5°)	2.77/1.5	-0.62/0.62	0.36/0.75	0.63/0.77	0.43/0.13	-0.89/-1.86	-2.98/-3.55	-2.72/-2.11	-2.71/-0.67	0.81/1.41	1.31/0.77	1.61/1.92	1.62/2.04	2.15/1.48	1.12/1.3	1.13/1.47	1.59/1.6	1.41/1.76	2.62/3.31	3.81/4.23	3.76/2.99	2.64/2.26	2.56/2.91	3.18/2.53
Θ(30°)	3.36/2.12	0.74/1.53	2.35/1.76	0.29/-0.63	-1.2/-1.26	-2.81/-2.37	-2.18/-1.72	-1.28/-0.4	0.52/0.46	0.99/0.61	0.04/-0.86	1.22/2.54	2.37/3.2	3.52/2.79	2.37/1.62	1.23/2.18	2.57/2.81	1.81/1.81	2.77/3.41	3.34/2.61	1.49/-0.28	0.34/0.95	2.19/2.46	3.97/3.68
Θ(37.5°)	3.06/1.31	0.75/2.01	3.19/2.08	-0.64/-1.42	-0.8/-1.89	-2.23/-2.07	0.04/0.65	0.77/-0.96	0.82/3.09	2.52/2.77	0.2/-0.3	1.52/1.6	2.32/2.42	2.87/1.47	1.72/1.71	0.49/1.05	2.34/2.92	1.01/0.66	2.04/3.1	3.35/3.3	4.15/4.24	2.52/5.2	2.83/3.76	3.88/3.75
Θ(45°)	3.12/0.6	1.38/0.81	1.74/0.93	-1.14/-1.44	0.73/0.78	0.27/1.77	1.93/2.57	1.76/0.84	1.12/1.29	2.39/2.48	1.28/-0.48	-0.35/1.75	2.29/1.57	1.53/1.49	1.55/3.14	1.96/0.91	2.29/2.43	0.55/1.85	3.22/3.03	3.53/4.41	4.54/4.76	2.97/3.41	3.48/4.99	4.79/4.23
Θ(52.5°)	3.53/1.82	1.25/1.69	2.01/1.23	-0.39/-1.26	2.46/2.75	2.06/2.3	3.52/8.9	2.61/3.7	3.73/3.35	3.08/2.22	1.86/2.17	2.21/2.76	3.76/2.81	1.69/3.05	3.01/2.7	1.39/0.48	2.46/2.74	1.75/3.54	2.86/1.83	2.64/3.75	3.37/3.44	3.63/4.1	3.73/4.52	6.02/5.01
Θ(60°)	1.59/-0.71	0.23/3.31	4.12/3.31	2.03/3.68	3.18/3.28	2.36/3.37	4.17/2.26	3.21/3.97	4.21/3.56	2.81/2.71	2.84/3.94	3.74/3.24	4.91/4.51	2.82/3.37	3.09/2.56	0.94/0.67	2.11/2.39	0.92/2.01	1.85/1.59	2.27/2.78	3.87/3.23	3.58/3.49	2.59/2.75	3.72/2.73
Θ(67.5°)	0.48/-0.79	2.55/4.12	4.85/3.21	3.67/4.35	4.12/2.39	2.56/3.02	3.96/2.57	3.58/3.48	3.21/2.11	3.04/2.3	3.24/5.41	4.14/3.68	5.22/5.04	3.85/3.93	2.71/2.9	2.55/1.49	2.24/1.6	-0.69/-1.28	-1.09/-0.79	-0.31/-1.56	1.35/-0.81	1.07/1.95	-0.85/0.14	-0.44/0.46
Θ(75°)	2.89/0.7	3.78/4.33	4.23/1.73	3.36/3.92	3.32/2.53	0.66/2.81	3.22/0.77	1.73/3.57	2.74/1.78	3.49/2.6	2.12/4.68	4.55/2.53	4.98/4.35	4.1/3.55	3.12/0.3	3.65/2.75	2.6/1.6	1.15/0.07	0.23/-0.86	-0.96/-3.14	-2.31/-0.88	1.59/2.92	1.43/0.76	-0.05/3
Θ(82.5°)	3.18/0.87	2.75/3.89	3.01/0.52	2.99/3.08	1.54/0.35	0.81/2.63	2.36/0.49	1.83/3.36	1.26/1.41	2.95/1.88	1.83/3.74	3.51/4.7	4.16/3.88	3.16/2.82	2.71/1.75	2.73/0.1	2.5/0.7	1.35/0.66	2.43/1.36	-0.41/0.31	-0.52/0.6	1.81/2.65	2.22/0.32	0.39/3.38
Θ(90°)	2.14/-0.19	0.64/3.08	2.04/0.62	2.34/1.49	0.61/-1.47	0.04/0.14	-0.48/-1.86	1.33/2.55	1.29/1.09	1.82/2.29	0.69/1.93	2.89/-0.02	1.63/2.03	2.53/1.52	1.8/1.76	1.33/1.95	0.8/-0.19	2.03/1.9	2.31/2.6	0.72/0.95	0.86/0.97	-0.11/1.67	0.72/-1.48	-0.48/-1.66
Θ(97.5°)	1.15/-2.2	-0.39/-1.47	0.96/0.28	1.48/0.33	-1.23/-3.07	-1.73/-1.14	-3.11/-3.34	0.51/1.5	0.7/0.22	1.54/0.8	0.26/0.88	1.81/-1.11	0.32/0.47	0.16/0.12	0.63/0.66	-0.91/0.63	-0.4/-1.57	1/0.42	0.48/-0.06	-1.14/-0.01	-0.42/-1.17	-1/0.62	-1.75/-2.86	-2.52/-0.44
Θ(105°)	0.25/-4.02	-0.35/-0.36	0.15/-0.2	-0.3/-2.2	-4.08/-3.88	-2.27/-1.9	-4.03/-3.68	-0.51/-0.39	0.62/-1.42	-0.02/0.45	-0.62/-0.42	-0.87/-1.53	-1.47/-1.16	-1.48/-1.78	-0.86/-0.41	-2.2/-2.09	-2.15/-2.13	-2.46/-2.14	-1.8/-2.6	-3.62/-3.03	-2.78/-6.5	-3.18/-3.53	-3.53/-5.45	-3.9/-1.46
Θ(112.5°)	-1.74/-3.64	-1.23/-1.43	-2.02/-0.9	-2.98/-5.01	-5.01/-3.26	-6.31/-3.87	-4.37/-6.28	-3.53/0.13	-2.55/-2.01	-0.4/-1.46	-1.44/-0.99	-0.78/-2.17	-1.84/-2.5	-3.12/-5.21	-3.85/-3.56	-2.82/-2.57	-3.11/4.11	-4.81/-4.7	-2.87/-3.72	-4.33/-9.24	-6.19/-6.03	-4.41/-4.73	-5.12/-7.12	-3.89/-1.77
Θ(120°)	-2.41/-5.07	-2.5/-4.32	-4.87/-3.98	-4.53/-9.76	-4.17/-5.69	-4.17/-5.69	-2.25/-1.9	-1.74/-3.22	-2.4/-2.47	-3.12/-2.64	-3.22/-2.87	-5.03/-5.29	-3.54/-5.89	-3.65/-5.71	-8.64/-4.61	-3.89/-3.71	-3.83/-7.73	-5.68/-8.47	-7.9/-3.29	-5/-6.31	-7.9/-3.29	-5/-6.31	-7.9/-3.29	-5/-6.31
Θ(127.5°)	-5.36/-6.4	-4.79/-7.39	-5.99/-6.53	-7.54/-6.13	-7.58/-7.17	-6.76/-9.47	-6.04/-6.11	-5.85/-3.79	-3.76/-3.66	-4.06/-4.29	-4.16/-4.14	-5.71/-3.33	-5.73/-7.45	-7.25/-6.66	-5.25/-5.51	-2.47/-4.49	-7.43/-9.52	-5.17/-7.08	-8.07/-9.55	-9.68/-8.23	-7.5/-3.56	-8.3/-7.02	-3.26/-4.88	
Θ(135°)	-7.14/-6.72	-8.04/-5.45	-6.52/-6.63	-7.95/-5.77	-7.76/-7.73	-6.23/-8.18	-6.48/-7.95	-4.34/-4.9	-5.43/-4.72	-6.81/-5.11	-6.43/-4.38	-4.97/-7.52	-7.34/-7.27	-5.86/-7.39	-7.47/-8.6	-8.15/-6.52	-4.99/-6.42	-7.4/-9.26	-6.08/-9.68	-9.51/-9.15	-12.08/-4.99	-8.43/-5.28	-6.86/-8.54	-4.27/-4.96
Θ(142.5°)	-9.15/-8.1	-7.52/-6.68	-7.67/-7.62	-9.08/-8.08	-9.23/-8.22	-8.74/-8.1	-6.41/-5.44	-6.02/-5.13	-6.13/-5.79	-7.18/-6.55	-7.19/-5.68	-6.13/-7.81	-7.73/-6.95	-5.59/-8.94	-10.67/-7.13	-7.47/-6.16	-8.32/-10.21	-9.2/-10.56	-6.01/-9.56	-7.81/-9.34	-8.77/-7.91	-7.8/-8.83	-9.17/-9.04	-8.13/-5.7
Θ(150°)	-8.15/-9.45	-8.49/-6.84	-8.76/-9.27	-9.66/-9.15	-10.73/-6.42	-7.18/-7.49	-8.23/-8.65	-7.78/-6.64	-6.16/-8.19	-7.12/-6.34	-7.41/-7.56	-6.89/-6.48	-7.41/-7.81	-7.55/-8.77	-11.19/-7.85	-8.53/-9.08	-9.37/-9.81	-8.42/-7.54	-9.35/-7.96	-9.95/-10.1	-12.06/-12.44	-11.39/-11.25	-10.29/-8.9	-9.27/-8.27
Θ(157.5°)	-8/-8.53	-8.79/-8.32	-10.11/-11.39	-12.12/-11.88	-11.66/-10.41	-10.79/-10.76	-10.58/-10.68	-9.26/-9.91	-7.64/-8.43	-9.18/-9.2	-7.85/-6.7	-6.7/-8.85	-10.07/-8.92	-8.25/-9.12	-8.4/-8.24	-10.47/-9.73	-10.14/-10.09	-11.21/-12.59	-12.62/-11.36	-12.14/-10.74	-11.86/-12.1	-12.47/-12.52	-11.03/-11.3	-11.66/-10.46
Θ(165°)	-10.98/-9.44	-8.78/-5.54	-8.76/-9.24	-9.06/-9.76	-8.63/-10.02	-10.06/-10.76	-9.17/-9.48	-9.67/-8.54	-9.54/-9.54	-10.51/-10.05	-9.44/-9.61	-10.66/-11.72	-12.19/-9.76	-7.93/-9.19	-9.03/-8.1	-10.58/-11.75	-10.59/-11.8	-12.09/-12.39	-11.35/-10.49	-10.93/-10.45	-9.99/-10.32	-8.23/-9.64	-10.15/-10.4	-10.36/-10.33
Θ(172.5°)	-9.08/-9.74	-9.53/-9.28	-11.12/-11.05	-11.89/-11.41	-10.48/-10.3	-9.84/-10.62	-10.98/-11.12	-12.37/-11.92	-11.15/-10.42	-9.13/-9.03	-10.07/-10.27	-12.07/-12.63	-12.94/-11.62	-11.77/-12.49	-10.78/-9.27	-8.62/-10.08	-11.43/-12.59	-11.54/-10.11	-9.68/-9.38	-8.66/-8.94	-8.93/-8.67	-8.53/-8.66	-8.73/-8.47	
Θ(180°)	-8.62/-7.8	-8.56/-8.82	-8.9/-9.16	-9.65/-10.04	-10.52/-12.14	-12.39/-11.7	-11.57/-11.86	-10.71/-9.01	-8.71/-9.15	-10.57/-11.47	-11.54/-11.94	-11.75/-11.38	-11.46/-11.96	-11.26/-10.44	-10.16/-10.78	-10.84/-10.97	-10.57/-10.78	-11.36/-12.71	-11.57/-11.2	-9.61/-9.41	-8.24/-7.26	-7.66/-9.01	-7.5/-7.28	-7.95/-8.03
Freq(Hz)	6.995GPol.	ThetaL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DG(dB)	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°)	-1.51/-1.31	-0.21/0.36	0.38/0.61	0.87/0.85	0.87/0.8	0.54/0.53	-0.02/-0.22	-0.73/-1.55	-2.34/-2.86	-3.45/-3.64	-2.55/-1.36	-1.07/-0.52	0.27/0.98	1.63/2.16	2.14/1.98	1.89/1.92	1.3/0.46	-0.05/0.11	-0.4/-1.15	-1.24/-1.15	-1.86/-2.58	-2.44/-2.65	-2.76/-1.88	-2.26/-1.67
Θ(7.5°)	0.11/0.8	1.71/2.19	1.89/1.88	1.53/0.94	0.56/-0.31	-1.5/-2.19	-2.43/-2.16	-2.14/-2.46	-2.38/-2.09	-1.59/-2.01	-2.53/-1.31	-1.29/-1.5	-0.75/-0.42	0.31/0.82	0.97/1.1	1.27/1.52	1.5/0.82	0.85/0.68	-0.39/-1.08	-1.65/-2.42	-2.86/-3.63	-3.82/-4.36	-3.23/-2.48	-1.09/-0.34
Θ(15°)	-1.94/-0.75	0.09/0.44	0.33/-0.24	-0.12/-0.48	-0.33/-0.42	-0.77/-1.45	-1.84/-2.99	-2.85/-2.95	-1.11/-1.26	-1.15/-0.49	-1.61/-1.72	-1.48/-1.5	-1.26/-0.62	0.19/0.63	0.99/1.46	1.82/1.67	1.73/1.09	0.20/0.24	-0.87/-1.37	-2.59/-4.31	-5.13/-5.81	-6.35/-5.12	-4.5/-4.23	-3.73/-2.68
Θ(22.5°)	-2.42/-1.08	-0.19/0.14	0.53/0.95	0.72/0.06	-0.47/-0.95	-1.37/-2.56	-2.82/-3.16	-2.55/-2.96	-2.02/-0.93	-0.62/0.23	0.03/-0.27	-0.2/-0.62	-0.57/0.08	0.04/0.26	0.12/-0.7	-0.91/-1.18	-0.61/-0.39	-0.5/-0.51	-0.05/-0.1	-0.68/-1.9	-3.62/-6.41	-7.64/-6.48	-5.66/-4.32	-3.29/-3.08
Θ(30°)	-2.77/-0.61	1.02/0.95	0.39/0.05	0.08/0.98	1.89/2.12	1.49/-0.93	-2.62/-2.47	-1.7/-0.46	0.46/-0.42	-1.08/-0.67	0.71/0.87	0.41/0.4	-1.13/-2.43	-2.2/-2.5	-0.60/5.8	0.42/0.79	1.13/0.36	-0.72/-1.67	-1.08/-0.15	-2.0/-0.59	-1.39/-1.7	-2.33/-1.74	-1.41/-1.74	-2/-2.99
Θ(37.5°)	-0.35/0.99	1.51/0.16	-1.19/-2	-1.14/0.89	2.44/2.87	1.92/0.49	-0.79/-1.68	-0.58/-0.37	-0.55/0.66	0.3/0.7	1.69/1.45	0.8/-0.31	0.18/1.94	2.04/1.4	0.47/1.29	0.42/0.96	0.59/-0.65	-0.97/-0.58	-0.94/-1.17	-1.18/-0.28	-0.76/-1.39	-1.28/-1.58	-1.02/-0.68	-1.3/-1.51
Θ(45°)	0.78/1.23	1.46/0.81	0.02/-0.3	0.65/1.04	1.54/2.4	1.68/1.01	1.33/1.31	1.06/1.94	1.04/1.83	1.71/1.79	1.08/0.58	0.43/0.49	-0.90/3.6	1.84/2.68	2.49/2.04	0.65/2.18	1.59/1.08	0.75/0.33	0.02/0.23	0.36/0.24	-0.73/-2.2	-2.5/-0.44	0.05/0.49	0.76/0.98
Θ(52.5°)	3.25/2.97	1.69/1.5	1.33/1.16	2.84/2.92	1.83/2.27	2.34/2.04	2.64/3.12	2.38/2.69	2.37/2.27	2.49/2.26	1.1/0.99	1.73/1.44	0.88/1.52	0.83/2.75	3.42/2.74	1.48/1.57	3.05/2.73	1.85/1.81	2.34/1.79	1.99/1.76	0.24/0.88	0.8/-0.91	-2.32/0.64	2.55/3.29
Θ(60°)	3.97/3.41	1.97/2.04	2.09/2.94	4/4.3	2.23/1.22	2.53/2.44	2.39/1.19	2.22/2.47	2.51/2.89	2.29/2.9	2.37/2.53	2.11/1.02	-0.57/-0.48	1.31/1.11	3.47/2.96	2.08/0.62	1.88/2.51	1.68/1.44	2.11/4.7	2.37/2.1	0.07/1.97	2.07/1.02	-1.43/1.23	2.44/3.26
Θ(67.5°)	4.27/2.79	1.99/1.33	2.99/4.26	5.24/4.6	3.15/2.28	2.21/2.6	0.56/0.37	1.58/2.06	2.95/1.34	1.95/2.87	2.5/2.5	0.71/-0.14	-2/-1.17	0.27/1.56	2.96/1.93	1.17/0.31	1.18/0.81	0.03/1.46	0.6/-0.27	0.45/0.88	-0.25/-1.02	0.38/0.58	-0.03/1.23	2.14/3.52
Θ(75°)	4.08/3.02	2.16/-1.66	3.39/4.23	5.22/0.46	3.01/1.68	1.45/0.85	1.43/1.21	1.67/1.18	0.8/0.14	1.36/2.05	1.05/1.73	0.12/-0.95	-0.18/-0.36	-1.23/0.61	2.86/2.4	-0.1/-0.33	0.61/-0.34	-0.62/4.7	0.54/-2.05	-1.66/-0.04	1.7/-0.34	-1.57/-1.15	0.34/0.98	1.83/3.7
Θ(82.5°)	3.25/1.84	1.83/0.58	2.62/3.32	4.57/3.01	1.85/1.16	1.23/-0.09	0.																	



Radiated Composite Gain Data_Radio 4_6GHz_4TX

Appendix F

Gain Result

Freq(Hz)	6.175GPol.	Phi/Ant.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°)	-18.61-18.46	-14.09-9.87	-7.76/-5.76	-3.82/-3.34	-2.76/-2.17	-1.96/-2.23	-2.61/-2.14	-2.61/-2.97	-3.71/-4.66	-4.89/-10.19	-8.82/-10.38	-13.24/-18.01	-17.86/-18.26	-13.51/-11.26	-11.64/-9.21	-6.34/-4.56	-3.61/-3.67	-3.59/-3.57	-4.21/-4.16	-3.66/-3.49	-3.45/-3.76	-4.21/-4.16	-8.69/-13.33	-14.21/-18.74		
Θ(7.5°)	-18.27/-18.5	-15.96/-12.99	-10.64/-7.69	-5.91/-4.82	-3.69/-2.68	-2.48/-2.41	-2.61/-2.79	-2.48/-2.84	-2.83/-3.5	-5.04/-6.66	-8.36/-8.88	-11.23/-15.97	-18.81/-15.42	-14.84/-11.32	-7.48/-6.37	-5.02/-3.33	-2.42/-2.22	-2.4/-3.27	-3.84/-4.25	-4.76/-5.01	-6/-6.36	-7.15/-9.77	-10.52/-12.51	-15.3/-18.68		
Θ(15°)	-17.92/-17.64	-17.95/-15.95	-12.01/-8.71	-6.8/-5.43	-4.19/-3	-2.71/-1.63	-1.08/-1.11	-1.57/-2.9	-4.44/-5.09	-8.76/-15.79	-17.56/-16.74	-14.98/-18.08	-16.35/-18.47	-13.61/-11.31	-10.5/-6.19	-3.66/-1.9	-1.22/-1.15	-1.82/-3.06	-3.99/-5.05	-5.97/-5.09	-6.73/-5.07	-8.15/-8.08	-6.54/-6.88	-10.43/-15.16		
Θ(22.5°)	-15.6/-13.9	-15.3/-13.86	-11.34/-8.11	-6.83/-5.83	-4.65/-3.61	-2.07/-2.41	-2.3/-3.25	-5.04/-6.98	-11.55/-16.94	-10.77/-8.14	-9.23/-16.49	-18.24/-17.62	-12.41/-9.7	-11.74/-8.89	-9.68/-9.34	-1.05/0.28	0.23/-0.96	-3.41/-4.59	-3.64/-3.58	-4.79/-6.31	-6.39/-6.57	-5.71/-5.66	-9.76/-9.74	-10.24/-14.24		
Θ(30°)	-15.58/-9.52	-10.01/-13.74	-12.99/-7.58	-6.66/-5.98	-5.22/-5.13	-3.84/-3.59	-5.42/-11.76	-12.49/-9.64	-9.36/-9.2	-7.18/-7.86	-11.06/-15.86	-18.4/-17.82	-12.94/-8.19	-6.97/-8.37	-14.42/-8.16	-2.32/-0.67	-0.43/-1.4	-1.89/-0.99	-1.46/-4.22	-6.75/-5.76	-5.68/-11.77	-18.09/-10.47	-10.38/-14.07	-16.93/-13.88		
Θ(37.5°)	-13.42/-17.63	-10.11/-11.08	-14.96/-11.17	-11.4/-8.89	-5.07/-3.43	-2.95/-3.86	-7.58/-8.29	-5.05/-5.58	-7.31/-10.06	-11.64/-12.68	-15.87/-16.25	-17.28/-17.55	-18.12/-9.37	-4.22/-5.74	-12.51/-9.32	-3.56/-2.32	-1.31/-2.25	-1.55/-0.94	-3.21/-5.31	-5.94/-4.85	-4.08/-6.91	-8.16/-6.15	-7.14/-10.26	-12.88/-12.76		
Θ(45°)	-11.9/-14.52	-8.66/-11.24	-13.96/-8.93	-5.08/-6.21	-5.26/-1.89	-1.36/-2.96	-3.88/-2.27	-2.14/-4.4	-9.18/-17.72	-13.29/-8.35	-9.52/-11.9	-14.19/-15.71	-19.32/-13.5	-9.79/-6.54	-8.5/-8.03	-4.76/-4.16	-2.85/-3.21	-1.51/-1.4	-4.06/-5.73	-4.48/-2.82	-1.04/-11.64	-14.43/-11.21	-9.71/-10.73	-14.9/-9.08		
Θ(52.5°)	-13.02/-17.85	-17.2/-14.33	-10.9/-6.93	-2.41/-2.55	-3.08/-1.09	-0.07/-1.72	-1.83/-1.28	-2.54/-4.87	-11.67/-12.91	-8.72/-8.69	-10.2/-10.54	-13.48/-10.87	-13.63/-11.76	-16.46/-9.76	-10.13/-8.73	-7.35/-7.05	-5.29/-4.84	-2.05/-3.19	-5.4/-5.82	-5.94/-3.06	-4.59/-12.89	-15.33/-12.57	-13.73/-14.82	-18.31/-10.54		
Θ(60°)	-12.18/-13.68	-11.6/-6.59	-5.68/-7.43	-1.69/-1.45	-2.25/-2.29	-1.42/-3.34	-2.45/-2.27	-3.96/-5.6	-9.94/-16.52	-13.21/-11.62	-16.62/-12.33	-16.63/-9.95	-10.36/-14.8	-17.9/-15.24	-10.98/-11.89	-10.98/-9.62	-8.17/-9.41	-5.42/-5.6	-6.56/-9.79	-6.75/-4.49	-5.54/-10.79	-8.34/-6.35	-11.93/-13.95	-13.29/-13.9		
Θ(67.5°)	-8.3/-11.36	-7.91/-5.89	-5.93/-4.85	-2.17/-1.12	-3.28/-4.23	-3.77/-5.67	-5.76/-4.81	-8.78/-7.32	-15.63/-15.28	-18.26/-13.43	-14.53/-9.83	-12.28/-18.44	-11.55/-19.12	-18.82/-18.11	-18.53/-19.63	-17.2/-15.26	-10.06/-11.95	-8.11/-5.96	-7.13/-9.87	-6.12/-4.88	-17.23/-15.89	-13.87/-6.9	-15.29/-17.29	-15.04/-14.16		
Θ(75°)	-7.84/-10.6	-7.51/-7.49	-9.19/-9.54	-5.46/-4.07	-7.44/-7.45	-8.64/-11.89	-12.22/-14.15	-18.58/-13.12	-18.99/-10.22	-9.42/-11.92	-14.01/-11.46	-16.24/-12.02	-10.51/-14.16	-18.98/-17.85	-19.12/-18.03	-18.57/-19.24	-18.39/-18.64	-15.39/-7.86	-6.33/-12.31	-5.92/-4.93	-12.46/-15.48	-17.24/-8.8	-19.21/-16.18	-18.68/-14.7		
Θ(82.5°)	-9.37/-8.43	-10.34/-8.2	-16.41/-17.57	-7.02/-6.09	-10.7/-18.36	-14.97/-17.69	-16.12/-18.82	-15.29/-7.84	-6.82/-8.03	-15.74/-14.27	-14.79/-12.18	-10.71/-15.19	-17.19/-19.13	-15.19/-15.58	-11.97/-13.89	-18.34/-14.8	-17.42/-15.5	-8.24/-19.06	-9.01/-6.96	-11.65/-7.73	-15.88/-12.95	-18.83/-10.01	-18.3/-17.99			
Θ(90°)	-9.82/-9.45	-10.04/-11.36	-17.04/-13.01	-9.97/-9.87	-14.98/-15.01	-12.98/-16.91	-18.08/-10.19	-10/-13.72	-10.52/-10.43	-6.57/-9.15	-12.28/-18.44	-17.68/-17.97	-17.94/-9.89	-16.36/-12.12	-15.18/-9.62	-11.93/-7.17	-11.11/-14.27	-9.1/-19.13	-10.27/-16.57	-11.4/-10.51	-12.66/-6.49	-11.33/-18.15	-15.15/-10.22	-17.95/-16.59		
Θ(97.5°)	-11.08/-12.39	-10.75/-12.83	-8.64/-9.37	-8.04/-11.1	-13.34/-15.56	-11.59/-17.55	-15.35/-10.09	-9.45/-10.64	-7.5/-8.13	-6.64/-10.49	-15.49/-18.88	-18.78/-17.54	-13.02/-11.07	-11.92/-10.83	-10.73/-7.73	-9.66/-6.73	-7.93/-11.19	-8.05/-14.95	-12.87/-13.49	-14.74/-11.05	-19.38/-6.93	-8.16/-13.33	-16.76/-11.09	-19.06/-11.92		
Θ(105°)	-14.89/-15.34	-10.71/-9.32	-7.82/-7.23	-9.43/-14.59	-16.81/-12.06	-13.61/-11.06	-8.47/-7.2	-8.7/-9.12	-5.91/-8.49	-6.58/-10.94	-15.43/-18.32	-17.34/-17.92	-19.29/-10.71	-13.64/-8.09	-9.04/-6.59	-8.83/-6.43	-5.54/-6.46	-8.13/-10.65	-9.15/-8.31	-14.96/-9.78	-17.5/-15.79	-9.57/-16.04	-18.66/-15.46	-18.81/-8.46		
Θ(112.5°)	-17.64/-13.8	-10.88/-7.24	-7.07/-9.86	-15.17/-13.56	-10.72/-8.36	-11.89/-9.58	-8.15/-7.12	-9.02/-8.14	-4.96/-7.97	-6.79/-16.86	-16.64/-18.3	-18.17/-17.7	-12.95/-12.93	-13.12/-9.49	-7.86/-10.18	-5.79/-6.14	-5.9/-5.64	-6.71/-10.29	-7.37/-6.22	-10.2/-12.16	-17.66/-17.95	-10.35/-10.65	-17.98/-17.76	-15.26/-10.67		
Θ(120°)	-14.83/-10.26	-10.31/-8.72	-10.9/-15.92	-18.78/-12.04	-8.31/-6.69	-9.08/-8.74	-10.12/-6.45	-6.16/-6.11	-5.16/-7.76	-7.32/-12.1	-19.33/-18.61	-18.61/-17.94	-16.91/-17.41	-6.75/-8.13	-6.64/-8.29	-4.31/-5	-9.29/-10.51	-6.04/-12.16	-6.38/-15.27	-18.38/-8.78	-16.82/-10.01	-18.21/-11.71	-16.49/-12.67			
Θ(127.5°)	-17.63/-13.5	-18.42/-9.44	-18.16/-17.57	-13.49/-9	-9.14/-8.65	-7.35/-5.5	-8.11/-9.49	-6.4/-4.5	-5.07/-11.34	-10.32/-15.64	-16.37/-17.27	-18.63/-18.4	-11.98/-12.33	-13.58/-12.96	-6.01/-9.52	-8.5/-9.39	-6.19/-5.77	-13.48/-10.55	-10.76/-12.4	-12.95/-16.65	-16.82/-18.42	-18.2/-9.92	-17.33/-14.09	-15.65/-12.58		
Θ(135°)	-12.03/-18.15	-17.43/-13.4	-13.8/-13.79	-10.3/-8.98	-10.56/-7.51	-7.86/-6.59	-7.33/-4.96	-6.53/-6.7	-7.42/-12.12	-15.67/-13.22	-17.91/-11.22	-17.88/-18.98	-13.62/-15.33	-10.68/-10.39	-12.73/-9.21	-7.52/-11.26	-15.19/-9.51	-13.35/-8.12	-12.88/-18.44	-17.77/-15.15	-17.8/-16.54	-13.21/-12.57	-19.35/-13.22	-18.21/-10.09		
Θ(142.5°)	-16.64/-11.74	-15.22/-13.44	-13.49/-13.4	-10.14/-13.66	-14.63/-11.84	-11.52/-10.83	-9.22/-6.66	-6.17/-7.63	-9.29/-10.76	-18.55/-19	-17.81/-17.95	-18.35/-13.76	-17.92/-17.58	-9.31/-10.39	-10.11/-7.95	-9.96/-12.34	-11.89/-10.63	-12.67/-10.42	-16.57/-12.62	-8.9/-14.06	-18.62/-16.95	-8.5/-10.54	-13.38/-19.08	-18.31/-8.27		
Θ(150°)	-15.31/-8.45	-12.8/-15.06	-15.26/-18.32	-16.37/-17.85	-19.09/-18.42	-15.08/-14.63	-9.27/-8.36	-8.33/-8.27	-9.32/-9.88	-13.82/-16.85	-18.01/-19.33	-18.13/-18.81	-17.96/-18.51	-14.33/-15.61	-13.62/-17.99	-8.16/-10.84	-15.34/-10.53	-12.47/-11.38	-12.33/-17.58	-13.53/-11.04	-13.77/-15.81	-14.18/-15.85	-18.69/-18.66	-9.69/-15.31		
Θ(157.5°)	-12.89/-12.41	-13.66/-11.63	-11.62/-15.13	-16.43/-16.72	-19.15/-18.6	-14.37/-12.39	-12.02/-11.06	-11.71/-13.57	-16.15/-18.32	-18.62/-17.6	-19.08/-18.81	-19.36/-17.61	-17.87/-18.1	-17.91/-17.6	-16.31/-13.83	-15.71/-15.33	-12.61/-10.16	-13.39/-17.7	-18.42/-17.6	-16.74/-13.54	-18.7/-18.14	-18.99/-17.87	-16.74/-13.35	-14.55/-16.2		
Θ(165°)	-11.17/-16.57	-18.68/-15.83	-15.81/-18.14	-13.49/-13.4	-12.78/-14.32	-10.84/-10.26	-12.24/-14.8	-14.04/-15.83	-16.79/-15.18	-14.13/-15.52	-17.67/-17.34	-17.66/-17.52	-18.88/-18.85	-17.67/-17.8	-17.12/-17.63	-15.15/-16.06	-18.35/-12.19	-12.65/-17.02	-19.47/-12.87	-17.22/-16.66	-18.2/-15.9	-17.92/-18.75	-17.93/-17.19	-18.61/-8.29		
Θ(172.5°)	-17.53/-18.07	-18.36/-18.01	-17.83/-18.88	-18.51/-17.78	-17.46/-17.55	-17.74/-19.03	-17.95/-18.04	-18.2/-17.7	-19.02/-18.91	-18.59/-18.68	-17.1/-17.43	-17.55/-17.48	-16.28/-16.04	-13.82/-12.82	-14.02/-17.6	-17.78/-19.12	-19.44/-13.76	-14.61/-18.68	-18.52/-17.08	-19.23/-17.3	-14.61/-15.24	-11.66/-12.75	-15.73/-19.74	-17.95/-13.21		
Θ(180°)	-18.71/-17.6	-17.82/-18.65	-19.1/-18.47	-17/-17.33	-18.17/-17.65	-18.68/-19.02	-18.32/-17.58	-17.98/-18.82	-18.34/-18.08	-17.59/-19.04	-18.17/-18.02	-19.3/-18.95	-18.98/-17.29	-17.57/-18.39	-17.93/-18.07	-18.11/-16.26	-14.81/-14.98	-15.81/-16.76	-17.77/-18.56	-18.56/-18.09	-18.45/-17.52	-18.49/-15.96	-18.92/-18.54	-16.87/-18.25		
Freq(Hz)	6.175GPol.	Theta/Ant.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°)	-2.82/-1.99	-1.54/-2.48	-3.25/-3.22	-4.25/-6.2	-7.71/-9.26	-11.46/-14.98	-17.96/-18.3	-16.21/-13.14	-10.69/-8.33	-6.98/-4.66	-5.55/-4.78	-4.51/-4.54	-4.58/-4.66	-4.89/-5.65	-6.2/-6.67	-7.33/-9.52	-11.55/-14.7	-17.5/-15.48	-17.22/-12.89	-10.15/-5.89	-6.8/-4.86	-4.08/-4.08	-3.08/-2.74	-2.17/-1.66		
Θ(7.5°)	-5.97/-7.29	-6.87/-2.9	-7.55/-7.82	-9.07/-11.24	-12.78/-14.32	-16.76/-18.44	-17.26/-13.52	-8.64/-7.48	-6.87/-4.64	-3.31/-3.12	-3.32/-2.23	-1.81/-1.83	-1.96/-1.78	-1.51/-1.46	-4.59/-5.79	-7.84/-10.89	-15.05/-19.5	-16.66/-18.68	-16.65/-13.39	-13/-10.11	-8.53/-8.35	-7.17/-6.81	-5.84/-5.8			
Θ(15°)	-5.19/-5.82	-7.04/-7.48	-8.91/-11.18	-12.99/-15.25	-14.29/-12.91	-11.29/-8.13	-7.15/-5.59	-4.27/-3.89	-2.5/-1.85	-2.39/-2.46	-2.72/-2.5	-2.36/-2.14	-1.3/-1.59	-1.52/-0.91	-1.72/-3.82	-5.09/-5.98	-8.94/-11.94	-16.42/-18.48	-18.3/-17.94	-17.38/-17.82	-16.48/-12.24	-11.21/-9.3	-8.29/-6.85	-5.37/-6.03		
Θ(22.5°)	-4.26/-5.57	-5.4/-4.5	-4.27/-5.2	-6.84/-6.95	-6.44/-5.92	-5.12/-4.7	-4.24/-4.54	-6.1/-5.48	-3.96/-3.64	-3.19/-2.78	-2.12/-2.26	-2.88/-2.29	-2.84/-0.9	-2.54/-1.71	-1.41/-2.52	-4.6/-3.73	-10.22/-13.08	-16.02/-13.08	-9.41/-5.75	-7.34/-6.58	-5.51/-4.51	-3.89/-3.66	-3.52/-4.86	-5.11/-4.2		
Θ(30°)	-3.4/-3.4	-10.52/-9.33	-7.56/-6.04	-5.43/-4.72	-4.11/-3.48	-3.08/-2.58	-2.92/-5.85	-7.64/-8.1	-0.79/-6.1	0.43/0.4	0.79/-6.1	1.33														



Radiated Composite Gain Data_Radio 4_6GHz_4TX

Appendix F

Θ(22.5°)	-12.9/-14.15	-15.18/-9.77	-6.09/-4.37	-3.94/-3.92	-3.26/-3.16	-4.41/-5.26	-5.14/-4.57	-4.45/-4.7	-5.98/-5.39	-4.73/-5.6	-10.31/-17.15	-17.36/-18.23	-10.29/-4.48	-1.5/-1.64	-1.77/-2.57	-4.39/-4.4	-3.94/-2.69	-2.62/-3.18	-4.69/-6.02	-6.34/-6.57	-7.13/-23.73	-6.87/-9.05	-9.2/-10.56	-13.93/-14.44
Θ(30°)	-14.85/-16.72	-17.32/-9.22	-4.86/-4.12	-5.03/-7.16	-7.08/-5.86	-6.71/-7.39	-5.04/-4.29	-4.49/-5.21	-6.51/-9.31	-10.33/-9.39	-10.27/-13.66	-18.41/-15.72	-10.68/-6.01	-3.01/-1.41	-2/-5.9	-8.71/-7.21	-5.91/-4.12	-4.01/-3.08	-2.39/-3.92	-7.29/-11.75	-11.64/-10.4	-8.29/-8.97	-12.43/-17.19	-17.54/-17.08
Θ(37.5°)	-16.17/-17.29	-14.29/-11.9	-8.27/-8.06	-4.88/-7.8	-6.99/-5.91	-7.2/-7.2	-3.51/-4.4	-3.51/-5.91	-7.84/-7	-9.07/-8.01	-10.49/-13.66	-14.19/-14.91	-9.01/-1.82	-3.99/-5.5	-6.43/-6.95	-10.49/-8.95	-6.87/-4.73	-5.1/-4	-3.23/-6.75	-10.33/-11.1	-6.8/-8.07	-18.99/-10.02	-10/-11.98	-14.5/-14.81
Θ(45°)	-18.58/-13.66	-9.33/-12.68	-14.45/-13.69	-13.39/-9.64	-5.36/-3.26	-7.3/-6.46	-5.89/-3.05	-5.08/-6.26	-6.95/-6.14	-7.38/-12.02	-18.65/-13.12	-11.29/-13.65	-12.42/-12.57	-11.95/-8.05	-9.96/-9.96	-14.53/-9.3	-6.35/-5.77	-7.11/-3.88	-5.55/-9.33	-12.15/-9.91	-5.8/-6.08	-18.42/-13.55	-12.34/-12	-17.7/-18.78
Θ(52.5°)	-14.09/-12.55	-14.2/-16.02	-14.44/-9.17	-8.78/-6.23	-5.87/-3.3	-6.67/-6.52	-3.7/-6.34	-6.55/-9.6	-8.49/-6.71	-9.43/-13.8	-18.59/-13.4	-10.84/-14.1	-14.5/-12.87	-14.42/-12.1	-11.18/-17.09	-11.56/-13.0	-5.12/-3.91	-6.16/-9.39	-7.72/-11.21	-14.17/-7.43	-6.66/-14.04	-15.67/-12.08	-12.86/-18.55	-18.59/-14.92
Θ(60°)	-14.28/-17.15	-15.47/-7.01	-6.56/-3.91	-4.85/-4.09	-7.5/-4.48	-8.25/-5.88	-4.51/-13.19	-9.1/-11.46	-10.29/-11.93	-19.68/-18.5	-19.14/-16.22	-13.43/-13.25	-13.84/-12.87	-13.5/-12.91	-15.44/-14.87	-17.67/-8.96	-8.6/-4.44	-6.16/-4.09	-5.28/-9.91	-11.2/-9.96	-8.75/-14.5	-10.72/-10.71	-11.7/-19.12	-16.97/-14.28
Θ(67.5°)	-14.43/-10.57	-8.12/-4.54	-4.08/-4.92	-5.51/-5.05	-5.64/-7.91	-5.62/-7.14	-7.8/-18.07	-9.2/-19.29	-14.78/-19.41	-14.11/-15.8	-19.14/-14.78	-16.69/-14.51	-18.15/-19.13	-9.83/-14.14	-14.4/-18.29	-12.4/-15.4	-12.77/-11.14	-14.32/-7.43	-7.57/-9.38	-6.84/-10.54	-8.37/-17.85	-11.88/-9.87	-14.32/-17.53	-13.36/-17.52
Θ(75°)	-12.91/-9.02	-7.6/-3.32	-5.28/-10.4	-9.57/-6.86	-7.11/-7.89	-9.13/-16.74	-18.73/-18.35	-11.21/-19.37	-17.97/-18.79	-12.35/-15.07	-17.44/-19.06	-15.2/-18.89	-18.04/-18.3	-14.53/-14.23	-12/-18.07	-10.97/-16.32	-17.92/-18.89	-17.43/-12.85	-7.89/-8.46	-5.69/-7.88	-8.47/-17.87	-17.24/-12.07	-16.11/-15.12	-14.77/-15.36
Θ(82.5°)	-9.52/-8.27	-9.43/-6.51	-7.76/-19.01	-12.9/-8.68	-9.41/-16.04	-13.86/-16.91	-18.09/-19.19	-15.96/-16.83	-18.84/-17.86	-14.43/-17.28	-16.56/-18.07	-14.73/-17.91	-19.46/-14.76	-16.45/-11.9	-10.59/-18	-13.06/-14.39	-11.89/-17.79	-16.58/-17.75	-9.36/-8.97	-6.12/-5.77	-9.14/-14.98	-16.24/-13.65	-14.18/-13.05	-17.55/-12.74
Θ(90°)	-8.4/-10.56	-13.09/-8.54	-10.86/-10.61	-12.24/-12.11	-10.72/-18.3	-17.72/-16.62	-17.36/-19.16	-18.71/-11.21	-15.95/-14.44	-19.06/-18.75	-13.91/-18.96	-13.73/-14.53	-17.95/-18.71	-13.55/-18.81	-11.02/-16.89	-13.08/-12.17	-11.62/-13.41	-9.51/-15	-17.85/-11.15	-8.43/-7.84	-8.36/-9.95	-14.08/-17.15	-18.95/-11.51	-18.86/-12.62
Θ(97.5°)	-7.9/-13.35	-18.13/-13.7	-10.5/-7.48	-10.08/-13.96	-13.86/-15.46	-18.79/-16.34	-16.15/-17.83	-15.18/-10.72	-11.47/-11.5	-16.46/-15.82	-16.12/-16.06	-12.15/-13.88	-17.42/-16.83	-18.22/-15.7	-14.86/-18.79	-17.1/-9.12	-12.14/-10.53	-8.65/-10.61	-16.43/-14.24	-17.8/-18.09	-9.62/-7.36	-9.36/-14.45	-19.1/-9.62	-17.9/-18.33
Θ(105°)	-9.84/-19.04	-16.29/-15.06	-8.12/-5.91	-10.7/-15.38	-18.4/-15	-17.62/-12	-13.44/-15.97	-11.26/-9.27	-10.48/-11.31	-13.35/-13.3	-14.39/-18.24	-15.49/-14.34	-18.57/-14.8	-14.97/-19.23	-13.06/-13.17	-15.27/-10.16	-11.54/-10.31	-11.51/-10.71	-11.64/-9.97	-14.78/-12.61	-15.97/-14.56	-9.46/-13.15	-15.78/-15.47	-15.16/-19.53
Θ(112.5°)	-18.54/-15.29	-12.24/-10.15	-7.91/-7.96	-13.61/-18.81	-18.38/-10.94	-18.95/-13.63	-14.86/-15.26	-11.96/-8.16	-8.9/-13.25	-10.11/-12.44	-16.91/-18.08	-18.72/-12.78	-19.19/-17.41	-15.81/-18.27	-12.25/-13.18	-13.52/-8.16	-9.85/-10.58	-11.82/-12.72	-14.96/-9.67	-8.89/-18.21	-18.7/-12.43	-10.31/-10.39	-18.37/-19.32	-18.98/-12.08
Θ(120°)	-12.73/-11.38	-10.69/-11.41	-11.34/-18.86	-16.15/-19.52	-12.96/-16.46	-11.86/-11.27	-12.24/-10.81	-8.01/-7.8	-8.36/-9.88	-13.15/-13.2	-17.85/-19.13	-18.81/-18.96	-19.13/-16.14	-19.25/-15.04	-13.22/-10.08	-10.66/-11	-8.61/-8.58	-14.78/-12.91	-10.87/-11.62	-5/-17.57	-15.57/-9.67	-15.74/-7.89	-13.08/-16.03	-19.38/-18.15
Θ(127.5°)	-11.12/-11.11	-11.39/-13.59	-16.61/-7.59	-18.06/-12.12	-11.49/-15.72	-9.28/-11.05	-10.78/-10.92	-11.96/-9.16	-8.99/-8.77	-13.24/-18.86	-17.79/-15.97	-19.24/-17.65	-18.43/-10.32	-18.57/-18.2	-12.15/-8.71	-10.74/-11.26	-4.98/-4.87	-18.78/-12.82	-12.88/-8.52	-12.81/-18.24	-13.89/-18.24	-18.42/-9.9	-18.42/-18.78	-17.6/-19.28
Θ(135°)	-18.62/-12.76	-17.06/-11.37	-16.5/-12	-15.26/-8.7	-10.65/-9.81	-9.86/-13.3	-7.87/-10.22	-9.2/-12.25	-10.47/-11.43	-12.85/-17.11	-18.36/-18.55	-17.97/-19.06	-18.08/-16.11	-11.1/-12.82	-10.84/-12.34	-10.3/-7.72	-7.8/-9.38	-9.25/-12.88	-13.93/-12.96	-15.05/-15.92	-18.64/-18.02	-14.44/-11.28	-18.87/-15.16	-16.25/-10.8
Θ(142.5°)	-19.22/-15.51	-17.06/-17.37	-17.64/-13.25	-13.81/-11.97	-12.15/-10.24	-7.26/-9.07	-10.74/-11.09	-10.36/-11.72	-15.19/-16.83	-13.28/-16.81	-16.38/-18.13	-17.42/-14.61	-12.91/-15.57	-13.46/-10.08	-7.61/-7.53	-10.61/-11.64	-11.44/-15.87	-12.37/-13.12	-12.42/-13.34	-12.55/-15.59	-12.84/-19.1	-17.51/-17.63	-13.57/-14.96	-17.85/-15.28
Θ(150°)	-14.23/-17.81	-19.36/-14.58	-18.05/-18.3	-18.53/-13.94	-13.89/-10.72	-12.34/-8	-11.71/-12.94	-11.82/-11.8	-11.12/-13.54	-15.34/-17.53	-17.9/-17.09	-17.57/-17.28	-18.02/-13.01	-12.29/-11.81	-13.9/-10.35	-9.19/-13.9	-16.29/-11.33	-10.08/-10.85	-11.53/-10.55	-12.17/-17.88	-18.72/-18.94	-17.72/-18.94	-16.34/-14.93	-18.57/-15.25
Θ(157.5°)	-14.23/-17.19	-12.81/-13.24	-14.03/-18.02	-19.12/-18.96	-18.03/-14.26	-15.28/-12.78	-12.34/-12.49	-10.38/-11.7	-11.88/-13.3	-18/-17.72	-18.76/-18.46	-18.77/-18.94	-19.41/-18.51	-15.58/-10.29	-11.03/-12.56	-11.8/-10.59	-10.82/-12.85	-14.77/-19.16	-18.63/-15.66	-18.4/-19.05	-18.06/-17.91	-18.09/-18.72	-17.62/-17.28	-18.03/-13.74
Θ(165°)	-18.61/-16.46	-15.58/-14.7	-12.84/-11.83	-10.39/-10.86	-11.86/-12.67	-12.73/-14.94	-10.94/-9.87	-11.09/-11.6	-14.23/-15.98	-15.59/-16.59	-18.52/-18.07	-18.4/-17.85	-19.29/-19.51	-13.76/-12.06	-13.57/-13.48	-14.38/-15.06	-12.75/-16.54	-18.85/-18.38	-15.28/-16.81	-18.8/-19.46	-18.97/-16.76	-13.08/-17.07	-18.92/-19	-18.66/-18.4
Θ(172.5°)	-17.51/-16.72	-17.06/-15.27	-17.84/-16.84	-15.29/-14.3	-13/-11.6	-10.97/-13.12	-14.01/-13.43	-17.47/-18.5	-18.48/-19.91	-17.8/-19.17	-17.65/-18.96	-18.57/-18.58	-19.04/-18.27	-18.21/-18.14	-18.18/-15.9	-11.84/-13.03	-15.78/-19.53	-19.25/-14.98	-12.19/-12.44	-16.29/-13.65	-14.37/-18.05	-18.82/-17.22	-18.04/-19.15	-17.32/-18.32
Θ(180°)	-14.48/-14.1	-17.17/-17.93	-18.31/-19.3	-17.85/-17.38	-17.06/-18.62	-18.86/-15.76	-15.69/-17.09	-15.75/-14.17	-14.99/-17.16	-19.31/-18.68	-17.87/-18.37	-17.75/-17.63	-17.72/-18.7	-17.54/-18.44	-16.67/-18.37	-18.68/-18.93	-16.74/-16.44	-15.94/-18.46	-18.36/-18.98	-15.26/-14.11	-13.07/-12.04	-12.77/-13.39	-11.96/-11.94	-12.82/-12.48
Freq(Hz)	6.995GPol.	ThetaAnt. 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°)	-2.28/-2.84	-3.32/-4.49	-6.45/-8.13	-9.85/-12.47	-15.88/-16.38	-12.72/-10.4	-9.99/-7.75	-5.67/-5.01	-4.49/-3.11	-2.62/-3.26	-3.01/-2.16	-2.28/-2.16	-2.21/-2.81	-3.47/-3.38	-4.75/-7.1	-9.61/-11.28	-12.99/-17.46	-18.32/-15.1	-10.79/-8.58	-6.58/-6.08	-3.63/-3.18	-2.43/-1.9	-1.83/-1.2	-1.46/-1.84
Θ(7.5°)	-2.87/-2.73	-2.56/-2.87	-3.82/-4.84	-5.79/-7.69	-10.39/-15.72	-17.53/-19.16	-14.96/-10.83	-8.18/-6.76	-5.71/-4.2	-3.09/-2.64	-2.42/-1.64	-1.31/-1.37	-1.65/-2.46	-2.88/-4.1	-6.61/-8.11	-9.55/-13.08	-10.09/-9.67	-8.73/-8.24	-7.46/-7.27	-5.87/-4.8	-4.42/-3.51	-3.05/-3.03	-2.78/-2.09	-1.93/-2.07
Θ(15°)	-1.136/-8.22	-6.88/-6.28	-7.43/-9.43	-9.39/-11.24	-14.31/-18.67	-17.61/-18.72	-17.66/-19.47	-14.3/-10.63	-4.02/-2.47	-2.04/-2.51	-2.03/-1.43	-1.79/-2.51	-2.49/-2.94	-3.76/-5.1	-6.82/-7.99	-9.26/-12.76	-17.8/-17.95	-18.48/-17.39	-15.5/-12.93	-12.45/-12.59	-9.9/-10.31	-10.32/-9.37	-11.06/-9.41	
Θ(22.5°)	-9.69/-7.32	-5.6/-5.52	-5.81/-6.2	-5.59/-7.67	-10.18/-12.88	-19.36/-19.01	-19.16/-11.47	-7.57/-4.7	-2.06/-1.25	-0.75/-0.4	-0.05/-0.3	-0.25/-0.21	-0.45/-1.36	-2.86/-5.43	-7.66/-10.26	-8.2/-12	-7.74/-10.55	-10.95/-10.29	-7.96/-6.88	-6.07/-5.9	-7.1/-10.03	-10.8/-8.3	-8.81/-7.69	-6.92/-8.49
Θ(30°)	-7.59/-10.96	-6.97/-5.57	-4.95/-5.75	-5.46/-4.84	-5.06/-5.51	-7.82/-8.57	-7.85/-5.25	-2.65/-1.3	0.57/-0.46	-1.37/-1.63	-0.72/-0.26	-0.31/-0.14	-0.27/-0.77	-1.06/-1.06	-0.92/-2.78	-5.4/-4.5	-4.64/-5.77	-7.23/-6.86	-3.69/-2.27	-1.21/-1.24	-1.92/-2.07	-1.87/-0.88	-1.67/-4.15	-4.26/-5.05
Θ(37.5°)	-1.96/-0.43	-4.12/-5.27	-4.19/-7.62	-5.57/-2.68	-1.19/-1.79	-3.4/-3.5	-3.65/-3.56	-0.94/-0.53	0.16/-1.38	-1.62/-0.63	-0.72/-1.61	-3.29/-2.12	0.13/-1.1	0.72/-0.54	1.42/-1.74	-0.54/-2.14	-4.35/-3.02	-1.85/-2.5	-3.42/-3.48	-1.53/-0.82	-1.33/-1.21	-1.76/-3.53	-3.54/-3.15	-3.3/-2.05
Θ(45°)	-2.45/-5.08	-4.4/-4.6	-2.72/-3.51	-0.87/-0.01	-0.16/-0.96	-2.32/-2.82	-1.52/-1.17	-0.61/-0.95	1.10/-45	0.62/-1	-0.32/-2.14	-2.67/-0.98	-0.6/-0.21	0.11/-46	1.21/-85	0.97/-29	-1.52/-2.38	-1.32/-1.75	-1.48/-2.72	-2.49/-1.74	-4.8/-5.6	-3.3/-0.4	-1.29/-2.07	-0.02/-2.22
Θ(52.5°)	-0.63/-3.22	-2.91/-0.5	0.46/-0.34	1.62/-25	1.59/-68	-0.07/-1.44	0.89/-104	0.79/-2.18	1.84/-215	1.74/-0.27	-1.81/-1.64	-1.0/-1.2	0.81/-12	-0.89/-0.54	1.49/-1	0.93/-0.86	-0.17/-1.06	-1.97/-0.55	1.35/-1.18	-1.34/-0.5	-3.58/-2.68	-0.47/-1.31	-3.5/-0.7	1.28/-63
Θ(60°)	2.43/-1.27	0.27/-97	2.33/-21	2.49/-3.72	2.74/-86	0.76/-1.58	1.48/-102	1.05/-146	1.92/-295	2.09/-94	0.37/-158	1.2/-9.03	-0.50/-25	0.91/-38	2.21/-2	2.01/-1	-1.28/-133	-2.68/-1.51	0.38/-1.92	-1.15/-0.4	-4.7/-0.75	1.74/-1.74	-1.31/-0.31	0.11/-57
Θ(67.5°)	3.58/-1.82	-0.7/-0.24	2.63/-32	3.84/-13	3.37/-305	-0.53/-3.65	-0.23/-0.74	1.06/-145	2.15/-0.76	0.52/-97	1.57/-205	0.83												



Radiated Composite Gain Data_Radio 4_6GHz_4TX

Appendix F

Θ(67.5°)	-0.09/-1.38	-0.54/-1.92	3.99/2.19	-0.03/2.37	2.78/1.75	2.78/2.47	3.35/3.57	1.21/0.25	2.79/3.66	3.88/2.76	1.80/52	-1.42/2.22	2.31/-1.27	0.95/0.19	1.41/-15	-2.22/-0.13	1.31/-14.2	1.27/-2.75	-1.13/-1.77	-3.91/-9.45	-14.12/-5.06	-1.17/0.27	-0.68/-1.94	-1.84/-0.91
Θ(75°)	2.60/66	-0.11/-58	4.12/29	-2.11/86	2.31/-148	1.92/12	3.02/3.62	0.95/-1.66	3.42/84	1.68/-167	3.21/3.13	0.36/0.79	3.16/-13	-0.56/-43	0.82/-17	-3.59/-2.53	0.09/0.63	-0.38/-1.92	1.17/2.18	0.54/-8.7	-9.62/-0.27	0.83/-3.9	-0.95/-3.39	0.54/-2.02
Θ(82.5°)	2.7/-0.31	-0.57/0.24	2.71/-64	-4.39/0.23	1.41/-0.48	1.27/-81	2.82/3.59	0.31/-71	3.41/-1	-0.52/0.82	3.37/3.39	0.82/-18	2.26/-0.14	-0.58/-1.03	-0.34/0.41	-6.12/-1.48	-1.81/-1.9	-1.94/-0.47	2.17/3.71	1.85/-3.47	-4.94/-0.2	1.30/03	-1.74/-5.09	1.39/-86
Θ(90°)	0.89/-0.7	-3.1/-1.58	0.76/-0.47	-5.96/-1.26	0/-4.26	0.03/-1.46	-0.33/2.28	-0.65/0.61	2.6/-1.12	-3.57/-1.83	1.14/2.87	0.61/-0.5	1.82/-0.46	-1.47/-3.52	-0.29/-1.12	-8.2/-3.66	-4.02/-2.77	-4.34/-2.67	0.83/-1.98	0.38/-2.85	-3.17/-0.99	0.41/-2.88	-4.24/-5.72	-0.16/0.6
Θ(97.5°)	-1.4/-2.89	-5.57/-3.48	-1.07/-3.75	-8.81/-2.42	-2.89/-7.17	-2.57/-4.86	-2.06/-0.01	-2.91/-0.35	1.63/-3.32	-5.82/-2.54	-0.13/-2.28	-0.66/-1.68	0.82/-5.03	-1.86/-6.65	-1.79/-2.59	-9.98/-4.5	-4.36/-6.13	-8.04/-5.07	-1.67/-1.12	-3.19/-4.24	-2.93/-4.38	-2.56/-8.02	-6.22/-7.8	-2.32/-1.39
Θ(105°)	-2.83/-4.21	-9/-4.83	-4.03/-8.56	-10.65/-4.68	-5.2/-9.56	-3.92/-8.03	-3.53/-1.41	-4.08/-3.43	-0.76/-4.05	-7.89/-6.3	-2.34/-0.97	-2.74/-3.85	-1.86/-3.64	-4.58/-7.4	-4.04/-4.67	-4.02/-9.35	-6.07/-6.23	-9.52/-8.34	-6.52/-5.06	-7.32/-6.54	-5.61/-9.46	-7.32/-10.63	-7.33/-11.47	-0.95/-1.39
Θ(112.5°)	-3.89/-10.54	-8.62/-8.45	-6.88/-13.92	-10.71/-6.97	-9.75/-10.5	-7.38/-10.8	-4.48/-4.66	-7.28/-3.88	-2.67/-5.19	-10.28/-6.34	-3.35/-2.96	-5.77/-5.31	-3.33/-6.08	-6.67/-7.48	-7.87/-6.08	-8.62/-6.64	-7.33/-7.42	-12.99/-11.42	-6.11/-8.15	-14.12/-14.55	-9.43/-8.51	-10.48/-8.68	-8.86/-16.9	-5.6/-5.39
Θ(120°)	-8.86/-13.57	-14.48/-9.66	-13.2/-18.63	-11.74/-12.98	-14.5/-13.82	-8.3/-9.04	-7.26/-5.96	-8.78/-7.56	-4.37/-5.86	-10.5/-9.31	-5.37/-5.43	-6.09/-8.51	-4.47/-5.92	-10.03/-67	-10.39/-9.23	-6.46/-18.55	-10.04/-7.69	-13.2/-13.85	-7.42/-7.07	-9.33/-13.23	-7.4/-17.82	-11.41/-11.21	-18.71/-15.21	-6.28/-7.85
Θ(127.5°)	-11.37/-18.13	-18.42/-15.37	-18.54/-19.15	-13.26/-14.24	-19.02/-12.29	-16.55/-10.46	-8.82/-8.04	-8.49/-7.67	-8.23/-9.42	-10.44/-10.87	-8.17/-6.84	-9.36/-8.98	-6.65/-7.87	-9.9/-12.15	-8.63/-10.19	-12.17/-12.04	-7.88/-13.37	-16.39/-18.16	-16.39/-8.93	-8.62/-18.69	-13.71/-18.13	-14.21/-17.81	-9.15/-9.46	
Θ(135°)	-18.31/-16.32	-18.76/-14.58	-17.88/-18	-15.19/-14.77	-16.96/-11	-9.54/-9.32	-9.24/-9.99	-13.36/-13.66	-12.76/-13.08	-10.39/-10.14	-11.63/-12.62	-11.26/-12.75	-9.04/-7.6	-10.89/-12.25	-13.77/-13.32	-11.28/-13.12	-11.52/-18.81	-18.44/-18.1	-13.47/-18.25	-10.05/-18.87	-17.51/-14.06	-18.31/-18.32	-10.44/-11.52	-8.85/-9.41
Θ(142.5°)	-16.03/-15.48	-17.93/-18.85	-16.07/-14.13	-14.2/-18.01	-15.99/-13.82	-11.79/-13.07	-11.08/-15.77	-16.76/-17.77	-11.71/-15.33	-11.21/-10.75	-13.61/-13.39	-14.51/-16	-14.25/-13	-11.29/-14.23	-12.9/-12.72	-13.62/-10.06	-16.27/-14.49	-18.62/-12.17	-12.99/-18.54	-13.96/-12.89	-17.86/-17.62	-18.33/-16.12	-14.03/-16.87	
Θ(150°)	-18.11/-16.2	-14.4/-19.85	-17.48/-17.64	-17.86/-18.99	-16.26/-14.65	-14.68/-13.7	-14.15/-14.75	-18.24/-18.46	-16.78/-14.62	-15.03/-17.58	-15.74/-12.72	-15.72/-17.95	-12.59/-15.52	-14.35/-14.52	-13.61/-11.9	-14.22/-13.8	-13.81/-16.37	-17.61/-18.14	-17.62/-18.46	-19.2/-17.34	-18.07/-18.12	-17.71/-19.17	-11.52/-14.33	
Θ(157.5°)	-18.49/-18.71	-19.55/-18.87	-18.23/-18.48	-16/-15.76	-19.21/-17.32	-15.18/-14.39	-16.19/-17.79	-19.16/-16.54	-15.64/-17.16	-17.34/-17.35	-17.17/-18.27	-16.94/-13.98	-15.63/-14.6	-13.88/-16.39	-14.68/-18.71	-19.05/-16.8	-15.42/-17.05	-17.56/-18.22	-19.04/-17.41	-15.28/-12.95	-18.62/-19.02	-18.62/-19.31	-18.34/-18.98	-15/-15.83
Θ(165°)	-17.54/-18.98	-19.34/-17.85	-18.98/-17.62	-18.64/-17.67	-18.45/-18.04	-17.18/-18.16	-18.44/-18.65	-19.17/-18.11	-19.07/-17.84	-18.58/-16.27	-16.73/-18.31	-17.75/-17.3	-16.82/-18.79	-18.56/-18.37	-18.73/-17.91	-18.35/-17.72	-19.04/-18.76	-18.32/-19.36	-17.3/-18.24	-17.51/-17.83	-17.68/-17.46	-18.03/-19.02	-18.42/-16.67	
Θ(172.5°)	-18.36/-18.73	-18.46/-17.37	-17.72/-16.84	-18.1/-18.67	-19.09/-17.11	-18.71/-18.69	-19.13/-17.83	-18.9/-17.8	-18.89/-18.03	-18.35/-17.44	-18.72/-18.68	-18.89/-18.94	-18.71/-19.22	-18.92/-16.82	-15.57/-15.19	-15.75/-14.92	-15.06/-17.11	-18.49/-18.98	-18.74/-18.32	-17.72/-17.74	-17.38/-17.66	-19.33/-18.03	-19.17/-18.46	-19.07/-18.79
Θ(180°)	-18.4/-19.03	-18.15/-18.64	-18.01/-14.96	-14.05/-14.57	-14.02/-13.18	-13.76/-16.26	-16.89/-16.99	-17.81/-18.33	-17.42/-17.75	-18.91/-18.77	-18.32/-18.71	-18/-17.85	-18.15/-17.75	-18.14/-16.67	-15.93/-17.2	-17.33/-16.97	-18.85/-18.42	-14.94/-14.2	-15.69/-17.14	-16.52/-18.56	-17.65/-18.22	-19.14/-19.15	-18.83/-18.41	-17.94/-17.73
Freq(Hz)	6.175GPol.	ThetaAnt. 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	-6.77/-4.99	-3.7/-3.31	-3.25/-3.15	-3.1/-3.29	-3.33/-3.97	-5.29/-6.91	-8.67/-11.01	-12.44/-14.78	-18.04/-17.11	-14.98/-12.92	-10.38/-8.54	-7.53/-6.96	-6.34/-6.57	-6.52/-5.45	-4.84/-4.5	-4.43/-3.96	-4.03/-5.1	-6.39/-6.64	-6.45/-6.96	-8.7/-11.46	-13.86/-16.77	-18.69/-18.77	-14.18/-11.75	-10.74/-7.86
Θ(7.5°)	-11.72/-10.6	-9.59/-8.48	-8.05/-8.68	-5.74/-7.1	-3.95/-3.72	-4.35/-5.51	-7.22/-7.61	-8.06/-10.7	-14.82/-17.93	-18.15/-17.96	-13.63/-10.34	-7.65/-6.04	-5.39/-4.54	-3.83/-3.31	-3.25/-3.46	-3.61/-4.18	-5.38/-6.83	-8.74/-10.81	-11.71/-12.38	-17.62/-17.69	-15.05/-14.51	-12.58/-12.45	-10.32/-10.49	-12.96/-12.14
Θ(15°)	-9.11/-9.48	-11.44/-11.46	-10.53/-9.58	-8.37/-7.3	-6.79/-6.13	-6.99/-8.88	-10.82/-12.91	-18.67/-19.39	-17.17/-17.45	-16.57/-16.94	-18.33/-19.16	-17.52/-18.74	-16.34/-13.26	-17.59/-11.94	-17.72/-6.62	-15.07/-15.5	-6.02/-7.31	-8.89/-10.52	-12.04/-16.11	-18.46/-15.83	-12.63/-12.97	-13.51/-12.49	-13.68/-12.58	-10.16/-9.38
Θ(22.5°)	-8.17/-8.72	-15.51/-14.47	-10.72/-13.56	-12.57/-8.46	-6.97/-7.04	-9.33/-15.12	-18.96/-14.73	-11.54/-12.31	-15.67/-18.18	-19.02/-12.92	-10.59/-10.57	-9.88/-8.53	-8.39/-9.04	-11.49/-14.55	-10.38/-6.11	-4.22/-3.85	-4.52/-6.21	-7.56/-8.86	-11.15/-17.38	-17.64/-18.26	-18.58/-18	-18.17/-14.5	-9.44/-9.96	-9.8/-11.21
Θ(30°)	-8.27/-8.35	-14.67/-18.77	-13.52/-15.01	-13.45/-15.89	-13.81/-15.77	-17.78/-13.66	-16.53/-13.91	-10.45/-10.55	-16.22/-17.92	-17.92/-13.42	-12.09/-11.71	-8.9/-9.38	-10.18/-10.2	-9.56/-9.43	-9.37/-18	-5.09/-3.94	-5.23/-6.79	-9.09/-18.74	-17.42/-14.72	-13.32/-15.04	-15.13/-9.04	-8.61/-14.2	-8.56/-8.29	-8.27/-9.57
Θ(37.5°)	-7.06/-8.09	-12.46/-19.05	-18.5/-18.83	-17.61/-15.21	-19.73/-12.64	-9.34/-11.25	-18.31/-18.12	-15.87/-18.41	-18.23/-15.69	-17.14/-13.67	-15.24/-18.24	-13.71/-14.72	-13.17/-12.36	-8.35/-9.09	-4.89/-6.24	-10.13/-9.26	-13.53/-15.95	-13.51/-14.5	-10.21/-10.4	-9.4/-11.65	-10.02/-18.07	-19.13/-13.95	-11.47/-9.7	
Θ(45°)	-6.1/-8.72	-16.15/-17.43	-18.97/-17.52	-18.78/-17.71	-18.37/-17.82	-12.08/-9.14	-8.01/-9.4	-12.04/-13.58	-13.27/-10.51	-10.12/-9.83	-9.64/-8.4	-9.69/-16.06	-11.5/-8.89	-7.58/-15.22	-9.3/-15.25	-5.61/-4.09	-8.07/-9.07	-8.82/-14.4	-9.64/-8.11	-8.74/-11.74	-13.38/-12.59	-14.1/-13.39	-16.73/-18.3	-12.25/-8.05
Θ(52.5°)	-10.14/-18.41	-17.82/-17.52	-17.45/-18.87	-18.88/-13.26	-12.95/-17.89	-19.13/-12.11	-9.28/-6.68	-10.43/-14.19	-11.54/-8.58	-5.66/-7.75	-8.89/-8.05	-18.56/-13.68	-11.58/-7.84	-7.44/-11.81	-11.59/-11.23	-6.4/-6.1	-10.17/-9.21	-9.69/-10.74	-14.19/-8.67	-7.1/-9.33	-16.39/-14.7	-13.41/-9.08	-17.11/-7.26	-12.22/-9.05
Θ(60°)	-18.83/-14.36	-13.32/-16.67	-18.97/-14.11	-10.16/-10.2	-9.79/-17.46	-18.69/-14.91	-17.74/-9.57	-12.44/-18.26	-13.32/-6.72	-4.67/-7.01	-9.16/-10.31	-10.22/-15.03	-17.73/-13.25	-7.43/-11.94	-13.93/-9.69	-8.43/-6.69	-9.81/-9.27	-12.06/-15.27	-6.54/-6.35	-17.64/-18.99	-15.73/-9.94	-5.96/-5.75	-11.43/-12.6	
Θ(67.5°)	-15.62/-9.14	-12.55/-11.44	-18.9/-12.42	-8.72/-5.52	-12.02/-17.06	-18.02/-14.97	-14.18/-17.9	-14.47/-13.92	-16.4/-9.02	-6.88/-10.57	-11.38/-13	-11.36/-10.72	-15.48/-12.26	-9.58/-12.87	-13.1/-10.9	-8.42/-8.38	-13.19/-9.72	-15.33/-18.29	-18.23/-14.7	-9.1/-9.17	-19.22/-16.32	-8.68/-6.15	-4.95/-8.7	-12.64/-18.68
Θ(75°)	-12.06/-8.68	-12.55/-10.13	-17.78/-16.14	-8.63/-7.68	-14.48/-15.54	-14.62/-14.92	-15.16/-18.97	-11.11/-11.36	-18.13/-12.45	-10.4/-12.57	-11.65/-11.62	-16.92/-11.45	-14.26/-14.42	-7.49/-14.51	-12.03/-1.98	-11.21/-11.08	-18.79/-11.73	-13.66/-18.58	-19.01/-16.05	-8.95/-7.74	-18.91/-17.28	-8.32/-5.11	-5.42/-9.73	-15.11/-13.45
Θ(82.5°)	-12.29/-9.37	-12.66/-10.97	-16.13/-13.46	-11.19/-9.78	-14.36/-13.45	-13.37/-13.34	-14.78/-18.89	-11.19/-11.02	-18.97/-13.71	-12.8/-18.57	-12.13/-12.49	-18.8/-16.13	-13.46/-17.98	-10.85/-15.19	-16.91/-15.21	-17.5/-12.57	-14.66/-17.79	-17.17/-16.03	-10.34/-9.27	-16.12/-14.72	-10.32/-8.34	-7.94/-10.85	-14.42/-13.18	
Θ(90°)	-11.31/-12.74	-15.51/-11.89	-17.37/-16.35	-11.91/-11.44	-18.11/-13.59	-12.01/-12.8	-11.75/-18.83	-14.15/-12.19	-16.66/-17.32	-14.89/-15.78	-14.29/-11.59	-16.19/-17.5	-17.23/-10.96	-10.71/-14.16	-12.82/-15.12	-17.64/-16.51	-16.97/-10.95	-12.05/-14.92	-17.61/-19.09	-17.38/-15.94	-13.35/-11.05	-12.55/-9.54	-11.18/-15.56	-17.38/-15.52
Θ(97.5°)	-14.59/-14.31	-17.49/-13.44	-17.55/-14.44	-12.5/-12.27	-18.79/-12.43	-11.59/-9.53	-9.3/-15.26	-18.71/-11.96	-12.6/-18.67	-14/-15.31	-14.89/-11.96	-19.05/-17.54	-18.14/-15.11	-10.81/-17.42	-12.86/-15.64	-14.67/-13.37	-18.81/-11.36	-11.49/-15.92	-18.51/-19.11	-18.29/-17.11	-12.9/-11.73	-12.51/-11.12	-16.12/-18.34	-17.58/-15.24
Θ(105°)	-18.13/-19.02	-18.09/-13.17	-15.82/-13.66	-13.93/-11.36	-12.8/-12.58	-12.93/-8.8	-10.34/-12.31	-14.82/-14.28	-11.29/-15.39	-18.78/-18.96	-18.32/-12.5	-13.71/-19.33	-18.47/-18.29	-19.02/-17.78	-16.56/-16.49	-16.8/-10.17	-13.65/-18.47	-15.98/-18.66	-18.4/-17.01	-18.94/-13	-14.77/-15.18	-15.23/-16.89	-15.53/-17.21	-18.52/-14.94
Θ(112.5°)	-16.38/-18.04	-18.08/-14.18	-17.76/-13.32	-14.39/-11.21	-17.03/-16.71	-16.86/-10.24	-11.96/-12.03																	



Radiated Composite Gain Data_Radio 4_6GHz_4TX

Appendix F

Θ (112.5°)	-5.31/-11.41	-8.36/-6.09	-14.07/-9.93	-6.4/-10.97	-11.42/-9.14	-13.88/-7.97	-8.8/-7.9	-3.58/-2.81	-7.31/-6.12	-7.96/-8.17	-8.1/-5.75	-5.17/-7.32	-5.43/-3.42	-6.13/-7.1	-5.85/-7.86	-5.64/-7.99	-6.78/-6.74	-8.44/-8.64	-5.42/-5.96	-14.58/-13.22	-12.34/-6.71	-9.29/-9.02	-10.24/-13.04	-8.08/-5.3
Θ (120°)	-6.71/-15.11	-9.02/-9.45	-18.53/-9.45	-7.6/-14.9	-10.83/-14.05	-9.8/-10.18	-12.44/-8.84	-3.48/-4.77	-6.29/-9.65	-8.26/-10.75	-9.46/-8.85	-8.49/-8.55	-8.52/-5.1	-6.14/-9.14	-7.11/-8.98	-6.95/-12	-6.43/-8.62	-14.77/-13.14	-7.84/-4.6	-8.42/-15.27	-7.58/-14.51	-9.54/-9.7	-14.11/-17.73	-7.28/-6.34
Θ (127.5°)	-11.28/-18.64	-10.43/-18.89	-17.99/-10.5	-15.45/-15.85	-18.03/-11.41	-17.75/-8.94	-12.15/-9.31	-8.49/-7.63	-9.52/-10.42	-12.11/-11.2	-11.16/-10.25	-16.89/-12.08	-9.34/-7.8	-8.53/-9.87	-8.16/-11.16	-11.13/-11.44	-8.1/-10.58	-14.32/-17.66	-14.54/-11.32	-10.79/-16.82	-12.91/-11.12	-9.91/-13.29	-17.26/-14.62	-6.95/-10.09
Θ (135°)	-17.89/-18.02	-14.28/-18.22	-16.35/-11.48	-17.95/-17.82	-17.56/-19.31	-12.59/-17.2	-12.47/-14.52	-8.12/-8.01	-11.34/-12.47	-16.24/-13.26	-14.22/-9.45	-11.53/-14.49	-11.71/-11.47	-9.72/-11.45	-11.34/-14.15	-12.81/-11.29	-14.95/-13.06	-15.68/-17.95	-17.65/-19.48	-11.92/-14.91	-16.87/-8.6	-18.48/-19.08	-14.07/-17.91	-12.23/-11.32
Θ (142.5°)	-15.27/-18.76	-19.56/-17.42	-16.91/-18.88	-18.95/-17.18	-15.92/-15.1	-17.55/-14.19	-12.97/-10.45	-10.3/-8.78	-10.57/-15.14	-18.83/-17.38	-15.78/-12.94	-13.59/-14.95	-14.98/-13.03	-12.89/-16.63	-17.35/-13.14	-14.73/-13.14	-13.61/-18.01	-17.5/-14.88	-12.56/-14.08	-9.5/-18.24	-17.55/-12.77	-18.81/-19.2	-16.41/-17.26	-18.84/-18.77
Θ (150°)	-19.13/-18.78	-18.59/-19.05	-16.18/-18.12	-16.59/-15.65	-18.37/-11.31	-11.54/-14.2	-12.03/-11.88	-11.61/-12.49	-14.76/-17.55	-18.91/-17.16	-18.16/-16.83	-15.42/-14.33	-13.19/-14.2	-18.73/-13.81	-15.84/-18.95	-18.39/-17.32	-18.96/-17.9	-18.92/-16.96	-19.3/-13.78	-15.88/-18.83	-15.68/-17.27	-19.31/-18.24	-14.94/-18.41	
Θ (157.5°)	-18.17/-17.49	-18.39/-17.3	-18.42/-18.37	-18.83/-19.09	-17.37/-17.62	-18.05/-18.72	-19.35/-18.1	-17.85/-18.78	-15.24/-18.44	-18.97/-18.21	-17.74/-17.7	-16.41/-18.88	-18.87/-14.41	-13.91/-17.67	-15.23/-15.63	-19.4/-18.42	-19.67/-18.99	-18.65/-17.57	-17.54/-18.56	-16.31/-16.99	-18.86/-18.23	-17.9/-18.84	-18.1/-18.66	-18/-14.96
Θ (165°)	-17.76/-17.56	-18.67/-18.45	-19.19/-18.55	-17.31/-19.36	-17.91/-16.79	-18.42/-18.29	-18.42/-18.62	-19.12/-15.03	-16.17/-16.13	-18.5/-18.7	-18.13/-17.66	-19.12/-17.78	-18.95/-18.58	-15.6/-15.65	-18.35/-18.69	-18.39/-18.7	-18.69/-18.19	-17.65/-17.91	-18/-17.8	-18.11/-18.52	-18.54/-18.51	-18.48/-19.02	-19.01/-18.9	-18.14/-18.91
Θ (172.5°)	-18.91/-18.58	-18.76/-17.11	-18.05/-18.54	-18.99/-18.79	-17.81/-18.76	-18.98/-19.05	-18.26/-19.92	-18.05/-18.07	-18.99/-19.41	-18.99/-18.65	-18.23/-19.01	-18.03/-19.04	-19.11/-18.89	-18.22/-19.3	-18.51/-18.16	-17.48/-18.65	-17.13/-18.65	-17.59/-17.35	-19.22/-18.19	-18.62/-18.56	-18.17/-17.75	-18.81/-17.56	-18.65/-17.71	-17.77/-18.53
Θ (180°)	-19.06/-19.28	-18.91/-18.7	-17.95/-18.41	-18.58/-18.15	-18.03/-18.37	-18.25/-18.43	-18.34/-17.98	-17.93/-18.21	-18.45/-17.71	-18.83/-19.09	-17.68/-17.81	-18.06/-17.81	-17.61/-18.03	-18.1/-18.61	-17.39/-19.31	-18.37/-18.25	-17.61/-17.18	-18.01/-18.19	-18/-18.04	-17.39/-18.33	-18.26/-18.25	-18.65/-19.25	-17.79/-18.44	-18.71/-19.07
Freq(Hz)	6.995GPol.	ThetaAnt. 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ (0°)	-9.62/-9.27	-7.56/-6.8	-6.57/-6.65	-5.9/-5.55	-5.46/-5.13	-5.38/-6.76	-8.22/-8.78	-9.5/-12.47	-16.85/-17.83	-18.42/-17.59	-12.94/-9.25	-7.67/-6.62	-6.19/-5.02	-3.97/-3.58	-3.28/-2.85	-3.14/-3.44	-4.63/-5.76	-5.73/-6.44	-8.69/-10.95	-12.95/-13.21	-16.31/-18.32	-16.41/-15.6	-14/-12.29	-12.67/-10.66
Θ (7.5°)	-4.59/-3.59	-2.63/-2.35	-2.54/-2.85	-3.11/-3.99	-4.14/-4.15	-10.2/-9.47	-12.32/-12	-14.21/-14.6	-14.87/-14.21	-12.34/-15.35	-15.03/-11.99	-12.69/-10.88	-9.95/-10.23	-8.63/-7.09	-5.99/-5.26	-4.78/-4.41	-4.8/-5.53	-4.84/-4.95	-7.38/-8.41	-9.52/-13.9	-15.39/-17.86	-17.46/-18.09	-10.91/-10.95	-7.22/-6.41
Θ (15°)	-6.64/-5.51	-3.93/-3.54	-4.09/-4.65	-4.92/-5.56	-6.09/-6.88	-8.59/-10.55	-16.46/-17.64	-17.35/-16	-14.47/-12.71	-13.43/-15.1	-13.62/-10.6	-10.38/-10.32	-8.3/-6.91	-7.63/-8.13	-7.4/-7.08	-6.79/-6.24	-6.29/-6.86	-6.87/-7.03	-7.58/-8.75	-10.14/-12.16	-13.9/-12.43	-11.74/-8.82	-7.42/-9.01	-10.76/-8.9
Θ (22.5°)	-16.78/-12.7	-11.82/-13.75	-10.68/-7.61	-7.51/-7.06	-6.2/-6.01	-5.51/-6.69	-9.77/-12.69	-13.05/-13.52	-15.28/-15.38	-16.73/-18.23	-16.53/-11.52	-10.18/-9.41	-7.05/-5.96	-5.5/-4.46	-4.29/-6.22	-7.09/-6.76	-6.73/-7.46	-7.7/-8.22	-9.28/-9.12	-9.88/-15.54	-14.57/-15.21	-16.92/-18.15	-17.42/-17.7	-19.12/-17.27
Θ (30°)	-17.34/-10.86	-9.4/-15.83	-18.99/-15.9	-11.27/-7.13	-4.37/-3.52	-4.32/-7.84	-12.33/-17.92	-18.57/-19.07	-17.46/-17.61	-18.67/-17.61	-12.36/-10	-12.39/-16.36	-12.47/-13.1	-8.38/-6.67	-6.14/-4.53	-3.44/-5.52	-8.72/-11.22	-15.55/-11.59	-14.2/-18.64	-18.11/-12.24	-12.56/-13.3	-8.44/-7.74	-12.53/-16.62	
Θ (37.5°)	-17.47/-13.12	-9.1/-10.45	-14.13/-12.91	-12.49/-10.79	-6.57/-5.1	-7.17/-16.73	-13.73/-17.9	-15.82/-18.16	-16.44/-12.32	-14.13/-13.12	-9.14/-9.39	-11.13/-16.26	-18.12/-8.14	-5.32/-4.4	-9.09/-9.36	-11.67/-4.52	-2.97/-6.78	-14.03/-18.57	-19.18/-19.19	-16.61/-16.88	-18.56/-15.56	-10.65/-9.12	-8.13/-8.73	-9.05/-18.89
Θ (45°)	-16.61/-16.04	-12.32/-11.73	-13.35/-11.67	-11.87/-15.61	-18.81/-9.83	-12.42/-18.81	-15.88/-10.4	-9.77/-11.72	-15.78/-8.87	-10.9/-10.57	-10.35/-11.71	-12.17/-11.09	-18.11/-19.66	-8.83/-4.22	-5.82/-6.38	-16.12/-6.01	-3.07/-6.63	-13.12/-19.08	-16.78/-13.35	-16.33/-17.68	-18.94/-19.32	-17.65/-14.54	-10.17/-7.28	-9.06/-12.71
Θ (52.5°)	-9.15/-10.6	-11.24/-14.74	-16.1/-15.31	-12.09/-13.14	-19/-12.31	-12/-19.14	-17.04/-7.97	-8.04/-9.94	-17.02/-17.62	-14.77/-17.71	-12.85/-17.7	-9.22/-7.32	-10.77/-12.29	-13.69/-7.18	-9.52/-10.84	-13.59/-6.47	-4.95/-8.39	-11.35/-15.59	-11.78/-14.41	-11.86/-18.67	-19.19/-19.74	-18.28/-18.37	-16.27/-17.94	-11.28/-18.78
Θ (60°)	-11.71/-11.77	-15.67/-18.44	-18.69/-15.01	-9.43/-11.51	-18.29/-13.35	-9.65/-10.35	-19.13/-11.08	-8.55/-8.89	-11.59/-18.18	-15.87/-12.87	-13.85/-18.6	-10.93/-6.67	-18.91/-11.25	-10.67/-10.51	-14.01/-17.09	-14.47/-10.97	-9.64/-12.62	-11.94/-15.99	-11.11/-11.18	-12.43/-14.23	-18.64/-18.65	-15.34/-17.24	-19.03/-14.52	-10.15/-10.63
Θ (67.5°)	-17.92/-17.9	-17.58/-18.05	-18.85/-10.94	-8.39/-11.62	-15.44/-12.02	-9.62/-8	-13.73/-12.5	-9.95/-9.66	-10.72/-16.71	-15.95/-10.86	-15.32/-18.1	-17.27/-10.47	-13.83/-13.17	-13.1/-13.45	-17.96/-18.57	-17.78/-15.98	-18.45/-18.9	-13.08/-17.42	-11.83/-9.3	-13.34/-11.89	-17.17/-18.06	-17.55/-15.88	-18.44/-13.15	-9.67/-15.69
Θ (75°)	-18.79/-19.06	-15.17/-13.47	-17.63/-9.4	-8.69/-10.5	-12.06/-13.49	-9.94/-7.3	-13.45/-16.2	-13.63/-16.76	-14.51/-14.96	-15.8/-17.8	-16.48/-17.94	-11.64/-18.7	-19.2/-15.93	-19.58/-18.56	-16.87/-14.72	-13.68/-8.71	-13.55/-11.37	-19.58/-18.56	-17.36/-14.7	-15.44/-13.16	-17.36/-17.56	-11.83/-17.56		
Θ (82.5°)	-15.39/-16.53	-11.31/-15.74	-17.68/-10.09	-8.81/-10.5	-12.13/-14.75	-11.56/-10.47	-17.47/-14.62	-15.96/-17.47	-17.34/-17.65	-18.14/-11.45	-18.16/-18.38	-16.43/-18.15	-17.67/-18.98	-18.33/-18.87	-16.89/-17.64	-17.77/-17.83	-16.09/-18.85	-18.57/-16.1	-13.76/-8.87	-13.63/-13.52	-19.28/-17.96	-16.44/-16.47	-15.24/-14.24	-15.77/-18.99
Θ (90°)	-13.77/-17	-11.37/-17.15	-17.34/-11.07	-11.9/-13.02	-14.43/-14.07	-18.27/-15.18	-17.45/-18.23	-18.16/-18.92	-18.47/-19.48	-18.58/-15.82	-17.61/-18.65	-16.75/-19.05	-18.46/-18.19	-19/-18.54	-18.37/-18.52	-17.61/-18.69	-16.66/-17.58	-18.67/-17.93	-17.2/-10.74	-14.63/-14.59	-17.14/-18.07	-18.6/-19.76	-16.4/-16.42	-17.7/-18.8
Θ (97.5°)	-13.68/-16.64	-12.18/-18.81	-18.21/-15.04	-15.04/-15.63	-18.29/-16.26	-18.31/-17.66	-17.96/-16.67	-17.86/-18.18	-15.95/-19.06	-18.81/-18.31	-18.45/-18.45	-19.75/-18.94	-17.99/-17.92	-17.38/-19.35	-18.51/-17.36	-19.38/-17.87	-16.58/-13.49	-18/-17.98	-18.77/-16.56	-19.07/-19.28	-18.76/-19.43	-19.28/-18.87	-17.53/-17.77	-18.39/-17.47
Θ (105°)	-17.22/-18.67	-13.98/-19.45	-17.33/-14.71	-13.98/-18.05	-15.58/-19.54	-18.61/-17.58	-15.35/-17.52	-18.13/-17.25	-17.95/-17.84	-19.05/-18.75	-18.8/-18.64	-19.27/-1.95	-18.64/-17.82	-18.08/-19.15	-17.58/-18.83	-18.26/-16.63	-18.42/-18.58	-18.26/-18.8	-18.64/-18.55	-18.31/-19.02	-19.60/-17.15	-18.5/-17.45	-17.93/-17.14	
Θ (112.5°)	-18.61/-17.57	-18.25/-17.64	-15.59/-16.65	-18.14/-19.17	-18.08/-15.25	-18.91/-15.69	-16.03/-17.24	-18.86/-18.36	-19.06/-17.93	-18.95/-18.37	-17.87/-17.48	-18.37/-17.9	-17.35/-17.71	-18.22/-17.63	-18.63/-17.55	-17.25/-17.55	-15.39/-18.55	-18/-19.08	-17.29/-16.06	-19.21/-18.13	-18.72/-15.14	-18.3/-18.87	-17.35/-19.09	-18.2/-18.38
Θ (120°)	-13.95/-14.97	-18.64/-19.24	-19/-15.74	-18.27/-17.36	-17.62/-16.63	-18.96/-17.9	-17.74/-14.44	-18.85/-17.94	-18.54/-18.81	-19/-18.6	-18.06/-18.74	-19.29/-17.89	-19.02/-18.64	-17.92/-18.82	-18.25/-18.6	-19.23/-17.57	-15.94/-13.62	-17.47/-18.66	-19.1/-13.79	-15.28/-17.7	-12.39/-16.15	-18.33/-19.08	-18.17/-18.59	-18.72/-18.11
Θ (127.5°)	-14.35/-18.26	-18.29/-17.53	-17.61/-17.87	-17.83/-18.22	-18.43/-18.47	-18.18/-18.4	-18.25/-18.8	-19.33/-18.31	-18.23/-17.71	-18.99/-13.63	-18.32/-18.39	-18.47/-17.58	-18.9/-19.25	-18.15/-17.53	-18.89/-13.64	-18.83/-18.57	-17.66/-14.34	-17.62/-17.58	-18.61/-13.79	-17.95/-18.22	-18.64/-19.02	-19.07/-18.11	-19.22/-18.65	-18.56/-16.14
Θ (135°)	-19.04/-18.39	-18.03/-17.42	-17.7/-18.41	-18.23/-19.07	-18.51/-18.31	-18.92/-18.85	-18.83/-18.85	-17.99/-17.46	-16.94/-17.84	-17.85/-19.07	-17.7/-18.04	-18.47/-18.19	-18.69/-18.1	-17.48/-18.32	-17.96/-19.08	-19.42/-19.01	-16.94/-17.03	-17.85/-19.23	-18.91/-18.61	-19.28/-17.98	-18.79/-19.44	-17.42/-19.45	-18.8/-15.94	-18.01/-18.86
Θ (142.5°)	-18.22/-19.15	-18.84/-19.04	-18.14/-18.52	-18.73/-19.34	-19.03/-18.94	-18.67/-17.85	-18.25/-18.61	-18.49/-17.94	-18.39/-17.41	-18.58/-18.16	-17.87/-18.16	-18.2/-18.11	-18.87/-17.86	-18.13/-19.24	-18.76/-18.91	-18.92/-17.65	-17.41/-18.48	-17.55/-18.74	-18.74/-18.67	-17.89/-18.37	-19.17/-19.11	-19.07/-17.95	-17.43/-17.71	-17.72/-18.39
Θ (150°)	-17.63/-18.76	-18.44/-17.91	-18.03/-19	-18.54/-18.42	-18.41/-17.44	-18.04/-15.45	-17.51/-18.53	-19.16/-18.75	-18.1/-18															



Radiated Composite Gain Data_Radio 4_6GHz_4TX

Appendix F

Θ(165°)	-18.05/-15.67	-15.86/-17.85	-18.02/-17.07	-15.72/-14.52	-17.43/-18.95	-17.62/-18.62	-16.51/-16.71	-17.32/-18.54	-19.08/-18.58	-19.3/-18.11	-18.47/-18.97	-16.19/-16.1	-18.84/-18.61	-16.89/-17.78	-18.74/-18.56	-17.07/-18.76	-18.83/-17.27	-18.81/-17.11	-18.43/-18.25	-15.81/-15.72	-17.72/-16.3	-17.46/-19.48	-17.28/-18.34	-18.8/-19.17
Θ(172.5°)	-17.16/-14.22	-15.36/-15.95	-14.71/-12.6	-13.36/-15.83	-16.66/-15.95	-16.95/-16.48	-15.26/-13.52	-14.69/-19.04	-16.64/-17.8	-18.05/-18.2	-18.55/-18.55	-18.94/-18.32	-18.94/-17.97	-18.88/-18.98	-17.29/-18.32	-18.07/-17.86	-17.76/-18.68	-18.66/-18.95	-18.49/-18.69	-19.33/-15.33	-15.22/-16.44	-17.17/-19.27	-18.42/-17.49	-18.34/-17.48
Θ(180°)	-16.64/-14.37	-17.27/-18.58	-17.61/-18.58	-17.97/-18.18	-18.64/-18.17	-18.94/-12.58	-18.24/-19.54	-18.44/-19.04	-16.08/-17.11	-18.07/-19.31	-19/-16.37	-14.55/-15.35	-16.77/-17.36	-16.66/-16.3	-16.92/-17.52	-17.58/-15.65	-18.27/-18.53	-17.56/-18.32	-17.56/-18.09	-18.62/-18.44	-18.72/-19.34	-18.39/-17.85	-18.94/-19.46	-17.61/-17.67
Freq(Hz)	6.175GPol.	ThetaAnt. 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°)	-7.28/-7.35	-7.57/-7.15	-7.22/-7.29	-6.98/-6.64	-7.32/-8.08	-8.82/-9.24	-8.5/-8.89	-11.08/-11.79	-15.78/-17.9	-11.74/-10.02	-8.71/-6.87	-5.51/-4.62	-5.74/-6.25	-3.94/-3.63	-4.16/-4.88	-4.62/-4.13	-4.74/-6.25	-8.19/-10.3	-11.77/-13.49	-19.37/-18.68	-18.16/-14.51	-11.72/-9.02	-7.05/-6.57	
Θ(7.5°)	-6.69/-6.25	-5.51/-4.86	-4.43/-3.84	-3.4/-2.94	-2.95/-3.74	-4.86/-5.93	-6.08/-7.16	-8.92/-12.33	-17.09/-18.13	-18.22/-16.83	-11.38/-9.45	-9.05/-8.5	-8.08/-8.28	-9.01/-9.09	-8.78/-8.88	-9.21/-9.82	-9.52/-8.1	-6.77/-6.43	-7.15/-8.42	-8.23/-9.19	-9.97/-12.43	-16.72/-17.69	-14.57/-11.21	-9.33/-6.67
Θ(15°)	-5.48/-4.66	-5.23/-6.24	-6.74/-6.64	-6.32/-6.3	-6.71/-8.71	-10.29/-10.01	-12.07/-11.54	-9.13/-14.39	-15.33/-14.08	-18.75/-17.37	-15.46/-9.48	-7.72/-7.8	-7.96/-6.89	-5.73/-5.5	-5.93/-6.89	-8.01/-8.8	-8.97/-8.64	-7.74/-7.4	-7.89/-7.63	-7.13/-7.02	-8.18/-11.7	-15.8/-18.74	-15.29/-10.3	-8.39/-5.76
Θ(105°)	-4.6/-4.3	-4.76/-7.15	-10.36/-11.39	-12.67/-12.35	-10.3/-8.01	-7.58/-7.16	-8.8/-11.1	-11.77/-14.74	-15.43/-12.25	-10.96/-9.98	-10.35/-10.2	-10.27/-8.25	-5.26/-2.82	-1.94/-2.13	-3.14/-4.39	-5.08/-5.56	-6.21/-7.31	-14.95/-13.46	-12.62/-12.85	-16.77/-12.98	-16.71/-17.5	-15.36/-11.01	-8.69/-6.61	
Θ(30°)	-10.46/-9.83	-7.28/-9.25	-10.57/-13.51	-12.86/-14.08	-14.88/-11.33	-8.75/-8.96	-9.48/-10.5	-11.62/-11	-17.26/-9.03	-10.63/-8.37	-6.66/-7.29	-7.43/-10.53	-10.49/-6.66	-3.17/-1.5	-1.29/-3.71	-6.35/-5.96	-7.17/-10.76	-16.33/-11.77	-10.78/-16.6	-18.56/-13.31	-18.22/-18.9	-19.05/-15.65	-15.22/-15.5	-17.63/-12.27
Θ(37.5°)	-8.99/-11.87	-10.48/-12.64	-12.77/-18.29	-18.4/-17.87	-15.47/-12.33	-10.52/-9.94	-9.67/-11.86	-9.01/-8.66	-10.23/-8.37	-8.17/-8.06	-8.57/-8.35	-7.9/-8.23	-10.68/-16.1	-7.29/-2.3	-1.5/-5.06	-10.34/-13.41	-16.39/-15.45	-12.05/-9.27	-9.87/-14.6	-14.62/-10.68	-13.52/-19.44	-18.09/-13.68	-10.44/-14.47	-15.54/-14.44
Θ(45°)	-9.44/-10.46	-12.87/-11.7	-9.55/-13.47	-14.59/-18.27	-17.98/-17.94	-15.16/-10.77	-18.55/-14.89	-11.8/-10.5	-10.2/-9.11	-8.97/-6.45	-6.52/-5.79	-6.2/-6.9	-6.45/-7.65	-14.32/-10.28	-6.78/-8.52	-19.15/-17.92	-16.58/-11.45	-10.53/-13.36	-11.1/-12.62	-11.96/-12.35	-11.96/-12.35	-11.96/-12.35	-11.96/-12.35	-11.96/-12.35
Θ(52.5°)	-16.74/-19.01	-15.46/-8.82	-6.37/-7.4	-10.82/-14.95	-14.98/-15.21	-18.97/-14.43	-12.53/-11.76	-13.03/-17.16	-16.15/-11.15	-9.19/-7.76	-7.45/-6.56	-8.32/-8.97	-7.63/-10.82	-8.69/-9.31	-17.85/-13.58	-10.81/-10.29	-10.83/-6.25	-5.46/-7.12	-15.55/-12.9	-10.27/-8.61	-9.03/-10.75	-9.78/-11.08	-14.18/-14.53	-15.51/-16.08
Θ(60°)	-17.3/-15.28	-17.65/-19.02	-7.17/-7.59	-6.43/-8.31	-10.36/-19.1	-17.89/-11.82	-6.87/-8.1	-14.26/-15.3	-13.73/-16.12	-13.16/-11.61	-10.49/-10.91	-10.15/-13.32	-12.21/-15.32	-10.86/-7.73	-12.93/-19.03	-10.8/-9.87	-10.96/-8.33	-8.85/-8.62	-14.52/-10.16	-7.29/-7.86	-9.37/-11.64	-11.25/-13.94	-18.13/-16.3	-15.73/-19.31
Θ(67.5°)	-9.56/-9.83	-8.8/-9.86	-8.61/-7.49	-6.01/-6.99	-9.2/-18.9	-17.75/-9.45	-6.05/-8.83	-14.54/-16.47	-8.55/-12.34	-14.77/-14.11	-18.85/-18.19	-13.45/-11.78	-19.26/-15.7	-17.67/-12.07	-14.71/-12.34	-9.34/-8.55	-13.47/-8.77	-10.68/-12.4	-13.39/-18.69	-14.52/-19.21	-18.54/-11.67	-18.51/-14.2	-18.51/-14.2	-18.51/-14.2
Θ(75°)	-8.75/-8.56	-5.88/-7.94	-8.77/-9.78	-6.31/-5.73	-8.28/-13.54	-16.88/-10.9	-7.79/-11.14	-15.56/-18.36	-10.31/-11.4	-16.06/-14.57	-11.98/-11.11	-15.85/-12.33	-18.28/-12.83	-19.01/-17.54	-17.59/-13.45	-17.95/-18.55	-13.3/-12.08	-11.91/-11.36	-14/-10.82	-8.45/-10.38	-10.65/-16.11	-14.2/-16.68	-17.84/-13.48	-18.69/-9.14
Θ(82.5°)	-8.35/-10.38	-6.61/-7.9	-9.55/-11.96	-6.88/-6.57	-9.22/-14.93	-13.32/-12.18	-9.88/-15.94	-16.07/-18.74	-10.38/-11.22	-14.85/-13.75	-12.48/-14.83	-18.99/-14.46	-17.45/-18.86	-15.26/-13.17	-15.19/-16.5	-18.35/-18.2	-14.45/-10.46	-13.27/-10.82	-17.93/-11.16	-7.44/-8.38	-9.52/-18.85	-13.79/-19.21	-18.41/-15.99	-18.22/-10.8
Θ(90°)	-9.14/-11.72	-7.49/-10.04	-12.55/-13.4	-8.56/-8.13	-11.1/-14.7	-9.81/-12.18	-12.73/-19.08	-18.52/-17.62	-10.83/-11.36	-18.3/-16.55	-16.74/-18.1	-18.97/-16.29	-18.1/-17.35	-18.73/-16.44	-14.06/-14.62	-17.84/-18.27	-19.28/-18.02	-13.71/-12.93	-15.43/-13.39	-9.16/-8.07	-11.69/-17.53	-15.25/-18.58	-14.86/-14.66	-16.61/-11.56
Θ(97.5°)	-9.37/-14.65	-9.66/-13.9	-15.7/-15.25	-9.89/-9.86	-12.02/-12.3	-8.83/-11.24	-14.95/-18.45	-18.12/-18.52	-10.98/-10.89	-17.25/-15.4	-17.75/-19	-18.19/-18.06	-19.11/-18.46	-18.19/-18.42	-13.96/-16.23	-18.51/-18.78	-18.44/-19.21	-18.05/-16.31	-18.02/-16.96	-17.97/-13.9	-18.76/-19.09	-16.29/-16.77	-15.96/-12.15	-15.74/-13.59
Θ(105°)	-11.56/-15.55	-10.69/-13.68	-18.67/-15.69	-10.57/-10.68	-13.03/-12.53	-8.92/-8.66	-13.75/-18.15	-18.45/-18.44	-9.56/-9.83	-13.76/-18.62	-17.06/-17.38	-17.93/-17.16	-15.45/-15.6	-18.66/-19.04	-18.17/-17.25	-17.03/-14.8	-18.59/-17.62	-15.3/-12.8	-18.96/-18.53	-15.63/-12.89	-16.12/-12.75	-12.83/-12.21	-12.83/-12.21	-12.83/-12.21
Θ(112.5°)	-13.84/-18.6	-13.77/-15.2	-17.38/-18.33	-12.3/-10.71	-13.89/-14.21	-11.26/-11.52	-13.75/-18.87	-18.61/-18.32	-11.19/-10.59	-13.63/-17.44	-15.51/-18.86	-15.03/-17.27	-19.3/-19.11	-18.41/-15.78	-17.96/-17.92	-19.32/-18.2	-17.56/-10.75	-19.6/-17.9	-15.53/-11.61	-15.14/-17.55	-13.67/-15.35	-17.14/-14.78	-16.02/-16.1	-16.02/-16.1
Θ(120°)	-18.01/-17.2	-16.9/-17.84	-19.55/-18.36	-13.55/-13.85	-13.11/-13.6	-18.04/-14.5	-16.8/-17.43	-18.89/-17.17	-11.49/-12.89	-14.95/-17.81	-14.95/-12.86	-18.46/-16.3	-16.11/-15.2	-18.32/-13.71	-17.08/-18.57	-17.89/-17.07	-18.73/-17.51	-16.21/-17.84	-11.52/-13.4	-17.95/-18.59	-15.64/-17.8	-8.86/-18.28	-17.97/-16.29	-17.77/-18.07
Θ(127.5°)	-18.06/-13.33	-18.02/-18.04	-18.27/-15.44	-16.71/-13.55	-15.47/-16.19	-17.92/-17.04	-16.46/-18.48	-16.28/-16.2	-15.13/-14.23	-16.28/-17.77	-14.88/-15.96	-17.54/-18.37	-17.73/-15.95	-15.35/-14.17	-14.09/-16.46	-17.06/-18.96	-17.93/-18.08	-16.95/-18.77	-17.82/-18.09	-19.07/-17.9	-16.56/-14.12	-13.63/-14.71	-15.72/-15.14	-18.06/-16.99
Θ(135°)	-17.77/-18.11	-18.47/-15.26	-17.37/-18.74	-17.01/-14.6	-14.58/-17.77	-18.02/-18.52	-16.14/-19.27	-18.78/-18.27	-17.36/-16.81	-18.13/-18.33	-19.01/-19.07	-17.95/-18.58	-17.13/-17.33	-19.01/-18.57	-17.47/-18.93	-17.48/-15.12	-19.01/-18.26	-17.06/-15.83	-13.92/-18.42	-19.03/-15.45	-10.95/-14.51	-19.02/-18.93	-12.77/-17.95	-12.77/-17.95
Θ(142.5°)	-18.32/-18.4	-14.89/-12.23	-14.94/-18.56	-18.34/-16.46	-13.18/-19.47	-17.53/-17.99	-16.35/-18.79	-18.83/-18.28	-17.21/-17.41	-17.75/-18.23	-17.97/-19.01	-17.85/-17.36	-19.35/-18.21	-19.01/-17.77	-18.36/-18.54	-18.32/-14.39	-18.09/-19.1	-14.13/-18.91	-14.13/-16.45	-16.47/-18.42	-18.08/-18.71	-13.41/-15.81	-15.76/-17.79	-18.15/-18.09
Θ(150°)	-18.68/-12.67	-13.44/-18.48	-17.83/-15.41	-13.1/-14.34	-18.27/-17.99	-18.53/-16.21	-16.17/-17.3	-15.71/-14.92	-14.23/-15.57	-18.65/-18.15	-16.88/-18.58	-19.05/-18.88	-18.28/-17.5	-17.56/-18.11	-17.17/-17.83	-15.45/-18.3	-17.64/-17.82	-18.46/-18.32	-17.37/-18.86	-17.77/-14.85	-17.97/-18.68	-18.5/-18.59	-15.31/-13.5	-12.75/-15.68
Θ(157.5°)	-16.77/-17.19	-16.37/-12.84	-13.85/-16.72	-18.38/-18.42	-18.5/-16.14	-13.19/-14.35	-18.31/-13.66	-16.3/-17.91	-18.13/-16.61	-16.55/-16.67	-17.81/-19.47	-12.73/-13.69	-13.82/-14.26	-13.59/-18.78	-17.45/-18.04	-18.07/-17.73	-19.1/-18.26	-15.65/-16.21	-16.13/-16.67	-18.23/-17.66	-18.99/-17.99	-16.32/-18.15	-16.32/-18.15	-16.32/-18.15
Θ(165°)	-15.83/-16.19	-17.94/-17.78	-17.78/-18.07	-19/-17.81	-18.42/-18.67	-17.71/-18.11	-18.54/-18.89	-18.96/-19.12	-17.1/-19.26	-18.21/-17.7	-18.1/-18.85	-15.15/-12.15	-13.4/-14.83	-14.59/-16.42	-18.51/-16.72	-12.65/-12.92	-15.59/-18.42	-18.14/-17.53	-19.36/-15.93	-14.03/-13.75	-14.36/-15.57	-14.81/-16.61	-17.82/-16.74	-15.29/-17.34
Θ(172.5°)	-18.44/-17.67	-19.36/-16.62	-16.13/-19.45	-17.94/-18.21	-17.71/-17.86	-17.66/-17.87	-17.26/-18.18	-17.81/-17.97	-16.82/-19.66	-15.65/-18.59	-18.63/-16.24	-15.05/-15.44	-18.91/-18.22	-18.58/-19.22	-15.85/-15.04	-13.69/-14.14	-16.61/-18.15	-19.18/-17.2	-18.02/-18.38	-17.97/-19.01	-17.59/-19.05	-18.43/-18.83	-18.76/-17.56	-17.51/-19.09
Θ(180°)	-18.68/-18.25	-17.72/-19.02	-18.51/-19.01	-18.73/-18	-17.73/-16.83	-15.83/-14.96	-14.57/-18.25	-18.71/-16.63	-15.46/-14.19	-15.57/-17	-16.25/-17.92	-18.15/-18.13	-18.91/-18.22	-19.34/-18.42	-18.42/-18.84	-18.89/-19.54	-17.81/-17.96	-16.34/-15.7	-18.02/-14.07	-13.87/-15.47	-15.85/-16.72	-18.51/-18.1	-17.71/-18.28	-17.71/-18.28
Freq(Hz)	6.475GPol.	PhiAnt. 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°)	-7.91/-9.77	-12.34/-18.23	-19.24/-18.48	-13.25/-9.58	-6.82/-4.97	-3.84/-3.25	-1.97/-1.53	-1.66/-1.01	-1.1/-1.15	-1.09/-1.56	-1.79/-2.01	-0.83/-1.73	-0.94/-1.73	-0.95/-1.139	-16.44/-13.09	-10.02/-17.5	-4.25/-3.61	-3						



Radiated Composite Gain Data_Radio 4_6GHz_4TX

Appendix F

Θ(7.5°)	-7.66/-7.79	-6.88/-6.05	-6.02/-6	-5.9/-5.84	-5.75/-5.99	-7.66/-8.28	-8.71/-10.29	-10.57/-14.72	-15.1/-16.87	-18.38/-17.34	-16.92/-10.72	-8.37/-7.21	-4.83/-2.93	-2.14/-1.57	-1.26/-1.27	-1.34/-1.52	-1.89/-3.11	-4.04/-4.56	-6.7/-8.41	-10.24/-12.11	-13.22/-16.85	-17.7/-17.84	-13.65/-11.47	-9.39/-8.44
Θ(15°)	-6.72/-7.67	-7.81/-6.82	-6.5/-7.02	-7.78/-7.62	-5.92/-5.31	-6.28/-7	-7.45/-9.62	-11.44/-18.73	-18.45/-16.17	-13.34/-9.58	-11.63/-12.38	-11.07/-11.44	-9.61/-6.96	-4.81/-3.1	-2.33/-1.95	-2.03/-2.84	-3.74/-5.63	-6.68/-7.18	-8.64/-8.14	-8.17/-9.98	-10.28/-14.39	-18.58/-17.68	-16.95/-11.72	-8.26/-8.43
Θ(22.5°)	-5.78/-5.83	-6.48/-5.44	-6.14/-7.28	-6.18/-8.28	-7.05/-6.18	-6.29/-7.43	-7.29/-8.78	-9.55/-14.27	-16.57/-14.62	-12.78/-8.12	-6.93/-8.06	-16.21/-11.22	-11.88/-9.38	-7.31/-5.93	-4.57/-4.05	-7.17/-6.32	-5.78/-5.99	-7.22/-9.73	-9.75/-9.76	-12.5/-12.92	-16.28/-8.01	-18.51/-15.27	-12.69/-8.86	-8.87/-1.98
Θ(30°)	-7.14/-3.95	-3.98/-4.35	-6.76/-7.92	-12.95/-14.22	-9.37/-6.06	-5.01/-7.37	-10.55/-8.67	-10.05/-9.45	-10.21/-11.95	-12.37/-13.35	-6.97/-6.44	-7.18/-6.68	-10.67/-12.91	-12.04/-11.7	-8.13/-9.45	-4.58/-7.6	-8.89/-9.6	-12.53/-17.78	-14.65/-11.68	-13.73/-13.17	-18.56/-16.64	-17.2/-19.36	-18.94/-14.27	-10.68/-8.27
Θ(37.5°)	-8.77/-5.17	-4.18/-5.68	-11.51/-15.99	-18.09/-15.11	-7.33/-4.67	-5.16/-5.7	-11.02/-15.16	-16.8/-14.83	-13.23/-9.28	-10.54/-13.93	-9.12/-5.22	-4.25/-6.74	-7.35/-6.74	-7.32/-12.47	-16.33/-9.12	-6.98/-8.15	-9.07/-13.85	-18.53/-14.88	-12.76/-15.11	-18.23/-18.46	-18.39/-18.77	-17.68/-18.49	-17.18/-17.97	-17.54/-11.63
Θ(45°)	-10.46/-4.43	-3.36/-5.07	-12.53/-16.96	-16.39/-17.91	-12.47/-11.1	-6.53/-5.46	-4.82/-6.45	-9.86/-11.8	-17.75/-17.94	-19.62/-16.01	-18.57/-12.06	-7.59/-9.49	-17.25/-7.54	-5.03/-6.99	-9.98/-18.36	-13.09/-13.54	-18.47/-18.62	-12.57/-10.78	-14.35/-16.32	-14.88/-12.91	-15.67/-18.26	-13.08/-11.73	-15.61/-15.49	
Θ(52.5°)	-9.99/-4.45	-4.49/-6.4	-12.84/-14.9	-9.74/-10.54	-17.94/-10.81	-6.16/-3.51	-3.59/-6.3	-9.85/-8.18	-8.84/-14.62	-18.15/-15.98	-13.72/-15.32	-7.98/-9.65	-17.76/-9.48	-11.19/-8.54	-7.22/-11.63	-16.38/-18.61	-11.02/-10.9	-9.75/-9.54	-15.3/-19.08	-12.95/-14.89	-15.71/-7.34	-9.59/-14.35	-10.95/-6.71	-10.33/-14.71
Θ(60°)	-16.1/-11.77	-10.31/-9.98	-14.93/-10.08	-6.76/-8.24	-18.56/-13.37	-6.92/-5.15	-7.08/-14.19	-18.62/-13.62	-11.08/-12.74	-18.41/-17.98	-14.26/-11.65	-10.77/-10.16	-16.72/-17.78	-16.6/-16.93	-10.01/-11.74	-12.42/-17.37	-9.06/-7.33	-9.78/-9.58	-15.38/-18.19	-11.6/-11.63	-13.88/-8.32	-9.93/-11.54	-11.24/-6.01	-8.26/-18
Θ(67.5°)	-14.86/-13.42	-12.98/-13.37	-11.52/-8.53	-6.83/-7.25	-18.24/-11.94	-8.65/-10.61	-16.99/-15	-14.96/-18.48	-13.71/-17.26	-19.36/-19.44	-14.06/-14.12	-19.15/-15.16	-19.38/-18.83	-15.34/-17.09	-17.62/-17.88	-17.14/-18.58	-9.57/-6.32	-10.32/-10.21	-12.97/-18.31	-14.1/-14.29	-19.05/-11.56	-13.57/-10.71	-12.09/-9.3	-12.07/-14.84
Θ(75°)	-10.64/-7.4	-11.05/-11.01	-11.34/-8.85	-5.69/-6.65	-17.55/-13.75	-10.63/-11.05	-15.85/-13.39	-13.64/-18.75	-17.72/-18.81	-19.2/-18.63	-17.62/-16.43	-18.98/-18.54	-16.75/-18.7	-18.5/-13.49	-14.34/-18.57	-18.66/-17.12	-17.1/-7.97	-9.43/-10.72	-11.18/-15.07	-12.1/-13.02	-14.69/-18.55	-19.46/-13.16	-14.65/-14.94	-13.85/-11
Θ(82.5°)	-10.06/-7.03	-11.14/-11.61	-12.59/-10.3	-6.35/-7.73	-13.6/-11.76	-12.03/-14	-18.72/-18.52	-17.33/-18.15	-16.01/-18.78	-18.72/-18.25	-18.06/-18.42	-18.74/-18.7	-18.02/-14.01	-12.45/-15.79	-18.42/-17.94	-16.25/-8.28	-9.26/-11.27	-10.27/-13.31	-12.32/-13.85	-13.63/-19.92	-19.71/-13.95	-15.34/-17.85	-13.44/-9.98	
Θ(90°)	-11.22/-9.06	-13.19/-13.51	-13.67/-12.21	-9.71/-10.08	-11.59/-10.02	-12.92/-15.03	-12.8/-15.99	-17.86/-19.04	-14.61/-17.36	-18.05/-17.87	-18.06/-18.46	-14.27/-15.42	-18.38/-16.71	-18.87/-18.8	-12.72/-14	-18.7/-19.09	-17.37/-11.04	-10.21/-13.78	-19.79/-12.28	-15.56/-19.14	-14.16/-17.35	-19.21/-14.27	-18.94/-18.29	-14.93/-9.33
Θ(97.5°)	-12.77/-10.59	-14.98/-14.03	-15.73/-15.02	-9.5/-13.02	-11.74/-9.3	-14.5/-14.37	-13.14/-15.59	-17.54/-17.1	-15.15/-18.35	-17.88/-18.98	-17.97/-18.62	-14.2/-12.74	-15.63/-17.17	-18.87/-18.47	-15.44/-18.05	-19.31/-19.07	-18.73/-17.24	-15.91/-18.08	-12.54/-12.7	-17.73/-18.34	-17.14/-18.24	-18.11/-17.77	-17.51/-18	-17.29/-13.27
Θ(105°)	-15.37/-10.56	-15.31/-14.04	-16.99/-16.36	-12.42/-13.4	-11.4/-10.86	-18.35/-13.6	-13.11/-16.27	-17.84/-18.84	-18.4/-18	-18.61/-19.2	-18.67/-18.96	-16.85/-12.79	-16.82/-14.34	-17.77/-18.48	-18.24/-19.09	-18.35/-19.03	-18.79/-18.97	-18.84/-16.06	-17.79/-18.52	-17.24/-19.14	-18.41/-17.66	-18.41/-17.66	-18.27/-16.51	-17.75/-15.53
Θ(112.5°)	-14.43/-12.82	-19.27/-15.31	-17.26/-16.9	-16.52/-13.78	-11.28/-13.01	-18.36/-14.8	-16.59/-14.32	-18.05/-18.6	-15.49/-14.71	-16.16/-18.95	-17.36/-18.01	-18.11/-15.22	-14.37/-14.32	-15.48/-18.83	-18.39/-18.42	-17.93/-17.63	-18.05/-18.63	-14.43/-15.99	-18.45/-18.71	-17.75/-14.13	-19.18/-87	-17.48/-17.74	-19.12/-14.13	-16.14/-14.34
Θ(120°)	-14/-13.84	-18.59/-18.31	-18.79/-16.75	-18.47/-18.53	-12.69/-12.82	-17.58/-17.56	-16.89/-17.07	-18/-17.54	-18.13/-18.75	-18.9/-18.5	-18.44/-18.52	-19.22/-17.41	-19.27/-16.97	-16.14/-19.27	-18.3/-18.41	-16.43/-18.35	-19.23/-18.15	-19.49/-18.68	-10.31/-17.93	-18.05/-18.43	-17.81/-18.21	-18.16/-15.86	-19.05/-17.91	-18.49/-15.69
Θ(127.5°)	-17.56/-10.53	-18.49/-18.17	-18.41/-17.7	-19.09/-17.78	-15.87/-18.38	-18.29/-18.32	-19.01/-19.47	-18.63/-19.14	-17.71/-19.132	-18.72/-18.93	-18.96/-16.06	-16.27/-18.66	-18.21/-19.34	-18.26/-18.37	-18.56/-15.12	-18.41/-18.29	-18.36/-14.5	-19.21/-17.6	-18.5/-18.85	-17.47/-16.62	-17.76/-12.51	-14.21/-13.95	-18.41/-13.53	
Θ(135°)	-18.33/-18.61	-17.89/-19.26	-18.67/-18.01	-17.81/-19.27	-17.48/-18.39	-17.56/-17.03	-18.67/-17.57	-17.66/-18.52	-19.08/-19.1	-17.75/-18.86	-18.05/-19.12	-17.59/-17.55	-18.91/-19.37	-18.87/-18.62	-18.69/-15.73	-14.82/-18.64	-16.9/-17.78	-17.75/-18.48	-15.7/-13.65	-12.6/-13.81	-19.39/-12.18	-17.42/-18.49	-16.81/-16.65	
Θ(142.5°)	-18.01/-17.72	-18.62/-18.58	-17.32/-18.43	-17.01/-18.6	-18.45/-18.23	-18.51/-18.07	-18.16/-18.53	-17.98/-18.12	-18.71/-18.78	-18.43/-18.79	-17.77/-18.35	-18.58/-19.3	-18.45/-19.06	-15.65/-19.15	-18.44/-16.82	-19.14/-16.93	-18.11/-17.16	-18.89/-17.75	-19.14/-18.34	-18.95/-18.99	-18.76/-18.28	-19.42/-18.41	-18.82/-17.73	-18.88/-18.17
Θ(150°)	-19.56/-10.75	-18.38/-17.83	-19.09/-18.91	-19.23/-17.52	-19.1/-18.11	-18.25/-17.47	-17.39/-19.17	-19.17/-18.93	-18.79/-18.18	-18.45/-18.53	-18.26/-18.77	-17.68/-18.37	-15.94/-18.93	-18.31/-18.49	-18.42/-14.2	-17.72/-18.82	-19.66/-18.4	-19.51/-18.19	-19.28/-15.99	-18.35/-19.12	-18.1/-18.12	-18.25/-18.34	-17.8/-14.6	-17.18/-17.11
Θ(157.5°)	-18.13/-17.85	-18.17/-18.91	-16.84/-18.27	-17.42/-19	-18.41/-17.45	-18.44/-18.93	-19.53/-17.64	-18.67/-16.55	-18.79/-18.65	-19.12/-18.98	-17.43/-18.46	-18.21/-18.56	-18.9/-18.24	-19.13/-17.73	-17.48/-15.51	-18.87/-18.62	-19.1/-19.17	-16.53/-18.49	-18.12/-17.89	-17.68/-13.7	-19.14/-18.86	-18.06/-18.71	-18.67/-18.75	-18.62/-17.51
Θ(165°)	-19.26/-17.63	-17.67/-18.14	-18.11/-18.75	-19.1/-19.09	-17.9/-18.27	-18.77/-18.14	-17.76/-17.94	-16.73/-18.01	-14.42/-13.69	-17.74/-18.98	-19/-19.01	-18.94/-18.46	-18.79/-17.55	-14.75/-18.73	-16.84/-17.51	-18.34/-17.64	-17.97/-18.86	-18.18/-18.53	-18.34/-19.13	-18.43/-17.91	-18.69/-17.07	-18.05/-19	-18.62/-17.58	-18.32/-18.7
Θ(172.5°)	-18.61/-18.78	-18.64/-18.14	-18.73/-18.13	-17.39/-18.73	-17.41/-18.48	-17.44/-18.63	-19.25/-18.22	-19.3/-18.69	-18.73/-18.47	-18.1/-19.37	-17.4/-17.78	-18.45/-16.74	-18.01/-18.45	-18.26/-18.94	-19/-18.36	-17.34/-18.62	-16.29/-18.14	-18.76/-17.46	-17.09/-18.59	-18.02/-18.2	-18.39/-17.58	-18.95/-17.5	-18.13/-17.86	-18.56/-18.67
Θ(180°)	-16.46/-17.04	-18.17/-18.79	-18.02/-17.76	-18.56/-19.35	-18.71/-17.81	-18.47/-18.47	-18.05/-17.93	-18.79/-18.3	-17.2/-18.19	-18.77/-16.32	-17.85/-19.4	-19.34/-18.09	-19.11/-17.48	-18.5/-18.87	-17.41/-18.89	-19.11/-18.85	-17.66/-17.61	-19.45/-18.41	-17.45/-18.94	-17.95/-18.79	-18.92/-14.65	-16.55/-13.73	-13.8/-14.52	-14.02/-16.29
Freq(Hz)	6.995GPol.	PhiAnt. 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°)	-7.95/-9.49	-10.81/-12.95	-18.76/-18.62	-17.47/-15.13	-11.43/-8.23	-6.75/-4.82	-3.48/-3.02	-2.05/-2.32	-2.02/-1.61	-2.57/-2.68	-2.97/-4.2	-4.54/-7.3	-6.83/-9.03	-11.73/-14.36	-19/-18.1	-18.5/-17.3	-12.63/-9.05	-7.9/-7	-5.87/-5.21	-4.51/-4.36	-1.84/-6.55	-5/-4.89	-5.41/-5.97	-6.63/-8.01
Θ(0°)	-5.89/-6.87	-8.04/-10.65	-12.67/-14.29	-15.33/-10.25	-9.37/-6.68	-5.65/-5.81	-4.64/-4.71	-4.86/-4.66	-5.25/-5.29	-5.78/-6.44	-7.37/-7.19	-8.41/-11.7	-10.88/-16.18	-18.24/-17.74	-12.33/-9.62	-6.91/-4.5	-3.27/-2.48	-2.1/-2.49	-1.55/-1.85	-1.46/-2.38	-2.41/-2.82	-3.34/-3.77	-4.57/-4.95	
Θ(15°)	-4.17/-4.41	-4/-4.33	-3.69/-3.78	-3.97/-5.18	-7.95/-10.94	-13.95/-13.34	-11.14/-9.65	-7.21/-6.07	-6.58/-5.86	-6.97/-6.42	-6.48/-6.85	-4.79/-4.27	-5.85/-7.33	-7.51/-10.09	-12.53/-14.59	-9.33/-6.58	-4.26/-2.64	-1.64/-1.53	-1.82/-2.35	-2.77/-3.47	-3.62/-3.12	-3/-3.19	-2.66/-3.24	-3.36/-3.33
Θ(22.5°)	-4.8/-5.55	-4.32/-3.63	-2.78/-3.05	-3.56/-5.27	-7.63/-13.28	-18.18/-17.33	-12.23/-9.37	-5.75/-4.81	-3.43/-2.97	-2.69/-2.85	-3.45/-3.55	-3.25/-1.8	-1.21/-2.66	-5.76/-7.64	-8.22/-7.13	-4.35/-2.7	-1.44/-1.01	-0.5/-0.88	-2.55/-4.46	-5.62/-6.47	-3.88/-2.74	-1.23/-0.94	-0.44/-1.42	-2.87/-3.94
Θ(30°)	-0.99/-3.13	-2.65/-1.25	-1.06/-2.83	-4.18/-5.51	-8.95/-18.33	-11.22/-6.53	-4.67/-5.28	-4.24/-5.53	-5.14/-4.39	-3.43/-1.84	-2.01/-1.18	-2.62/-1.79	-0.23/-0.44	-1.1/-2.37	-0.380.73	0.740.08	-0.23/-1.31	-3.86/-5.39	-4.12/-3.61	-4.96/-4.44	-2.43/-0.26	0.59/-1.76	1.28/-0.33	
Θ(37.5°)	-0.94/-3.6	-3.20/-0.1	-0.26/-2.35	-6.77/-5.16	-6.03/-5.77	-3.79/-1.91	-1.81/-0.64	-0.23/-1.32	-3.08/-9.97	-7.18/-4.53	-2.28/-2.21	-4.35/-2.64	-1.93/-1.9	-1.62/-1.98	-1.040.96	2.25/-1.45	0.850.74	-0.78/-2.2	-3.65/-2.9	-1.2/-0.78	-0.66/-0.43	-1.46/-2.01	0.65/-1.6	1.43/-0.33
Θ(45°)	-0.65/-2.21	-2.59/-0.4	-0.16/-5.12	-5.81/-1	-0.41/-0.59	-1.66/-0.87	0.12/-0.31	1.450.74	-0.6/-3.49	-5.35/-8.4	-5.75/-4.77	-5.94/-6.85	-4.04/-2.83	-4.46/-2.95	-2.99/-0.17	1.05/-0.91	-2.05/-0.77	-0.81/-2.56	-1.610.56	1.68/-2.67	2.22/-1.86	0.98/-0.76	-1.08/-1.38	1.910.43
Θ(52.5°)																								



Radiated Composite Gain Data_Radio 4_6GHz_4TX

Appendix F

Θ (60°)	3.2447	3.452/0.04	2.06/1.89	2.31/2.76	1.33/-0.21	0.18/1.88	1.46/-1.61	0.98/3.08	2.95/3.77	2.34/0.75	1.54/-0.26	-0.28/-1.21	4.78/-3.1	0.85/1.7	0.54/-2.68	-2.52/-1.01	-0.21/4.5	0.86/0.3	-0.45/-1.5	-0.52/1.81	1.06/0.48	-2.74/-4.04	-1.99/-3.52	-2.83/-1.1
Θ (67.5°)	3.49/3.87	1.64/-0.13	1.61/-1.7	2.35/-1.9	2.07/1.13	-1.39/-2.36	-0.41/-1.82	-0.11/2.63	1.38/3.47	2.37/1.58	0.82/0.49	-1.02/-4.51	-4.89/-3.98	-1.98/0.93	1.49/-0.72	-2.62/-1.61	-2.09/-4.03	-0.82/0.34	-1.2/-2.92	-0.64/-1.2	0.48/-0.77	-3.62/-5.38	-2.75/-3.58	-1.84/-1.82
Θ (75°)	2.04/3.26	0.81/-0.34	0.98/0.96	1.3/0.61	0.9/-0.15	-1.8/-2.06	-0.48/-0.83	-0.23/1.49	2.38/3.07	1.53/1.54	-0.05/0.36	-0.75/-2.3	-3.5/-2.26	-8.8/-1.6	-3.03/1.18	-1.7/1.169	-1.51/-5.59	-0.31/4	-1.37/-6.6	-1.63/-0.23	-1.9/-1.06	-3.62/-5.93	-3.89/-2.22	-1.58/-1.68
Θ (82.5°)	1.12/39	-0.52/-0.24	0.31/0.85	0.35/0.58	0.24/-1.42	-3.63/-2.27	-2.07/-1.45	-0.03/0.84	2.47/1.83	-0.08/0.27	-0.78/-0.17	-0.81/-2.97	0.47/-2.22	-9.24/-2.62	1.62/1.77	-2.57/-2.31	-2.07/-1.36	0.79/0.15	-1.49/-2.6	-2.14/-1.36	-3.79/-3.48	-6/-5	-4.51/-2.19	-1.07/0.71
Θ (90°)	0.63/2.03	-1.16/-1.18	-0.06/-0.07	-0.68/-0.52	-0.48/-2.24	-5.08/-3.35	-3.95/-3.51	-0.38/-0.21	1.73/1	-1.53/-1.02	-1.54/-0.95	-2.13/-2.22	-0.79/-0.82	-6.37/-9.72	-2.06/-0.38	-3.66/-5.97	-3.71/-0.16	0.88/-2.29	-1.81/-2.16	-0.24/-4.19	-7.28/-8.04	-11.57/-7.7	-4.68/-1.7	-2.15/0.23
Θ (97.5°)	0.02/0.83	-2.29/-2.8	-2.16/-1.79	-1.04/-0.88	-1.45/-3.42	-5.47/-4.09	-4.18/-4.11	-1.44/-0.62	0.52/-0.86	-2.65/-2.5	-1.82/-2.98	-2.51/-5.93	-2.4/-4.11	-7.24/-13.91	-6.27/-4.86	-5.9/-1.77	-8.46/-2.97	-1.1/-6.99	-5.18/-6.76	-1.24/-14.94	-10.29/-11.47	-15.52/-13.16	-3.36/-3.25	-2.92/-1.4
Θ (105°)	-1.96/-0.47	-3.83/-5.42	-5.15/-3.19	-2.17/-1.27	-3/-5.58	-4.08/-2.51	-5.52/-5.79	-4.01/-0.78	-0.98/-2.39	-3.31/-3.65	-2.79/-4.94	-4.75/-7.29	-6.89/-7.11	-10.99/-6.34	-9.28/-8.65	-9.56/-10.04	-11.13/-6.11	-7.39/-9.33	-7.54/-9.01	-10.33/-13.47	-17.78/-8.03	-13.1/-17.43	-7.35/-5.55	-4.34/-3.6
Θ (112.5°)	-5.76/-3.72	-5.32/-7.06	-7.3/-3.4	-3.35/-2.13	-5.29/-7.06	-2.77/-3.15	-5.45/-5.36	-4.81/-3.3	-2.99/-2.88	-3.67/-3.06	-4.92/-7.41	-7/-14.07	-9.25/-7.67	-8.99/-10.81	-3.41/-6.95	-10.51/-8.01	-8.9/-7.09	-9.85/-4.87	-5.86/-8.6	-16.1/-8.74	-18.3/-16.72	-18.86/-13.09	-11.77/-8.27	-7.91/-9.09
Θ (120°)	-7.69/-4.13	-8.06/-5.57	-4.31/-4.06	-6.16/-4.87	-6.34/-6.32	-4.05/-4.54	-5.48/-5.52	-7.75/-4.86	-4.66/-4.54	-5.07/-3.47	-6.29/-6.77	-10.04/-15	-18.39/-10.31	-15.08/-14.29	-9.19/-10.05	-5.89/-8.76	-9.52/-6.08	-13.99/-8.08	-9.98/-7.35	-7.44/-18.15	-18.87/-12.81	-16.92/-11.33	-9.33/-6.14	-9.17/-7.44
Θ (127.5°)	-6.17/-3.48	-8.76/-6.55	-6.03/-5.98	-7/-6.82	-4.74/-5.16	-5.61/-4.78	-4.12/-5.42	-4.08/-6.16	-6.41/-7.95	-7.51/-5.5	-7.71/-6.92	-14.26/-13.84	-14.06/-11.18	-7.25/-10.16	-17.07/-16.75	-17.67/-16.36	-8.53/-10.72	-10.79/-12.27	-9.81/-13.23	-17.22/-14.19	-13.49/-12	-8.25/-13.67	-7.01/-7.48	-7.2/-5.31
Θ (135°)	-9/-8.53	-14.8/-10.08	-10.06/-9.55	-7.98/-7.88	-5.16/-4.5	-4.85/-4.84	-6.84/-6.94	-8.73/-6.45	-7.41/-8.34	-8.29/-10.14	-8.85/-7.02	-9.74/-12.11	-18.49/-15.75	-17.18/-5.4	-8.38/-19.03	-17.85/-10.76	-10.73/-14.11	-13.66/-6.69	-8.09/-11.03	-18.85/-18.31	-17.25/-19.01	-14.78/-16.66	-13.68/-10.51	-17.89/-18.24
Θ (142.5°)	-10.56/-12.04	-15.1/-10.54	-14.46/-11.42	-4.98/-5.89	-4.55/-4.62	-4.19/-5.79	-5.67/-6.43	-5.92/-6.52	-7.93/-8.7	-11.22/-10.24	-15.8/-10.75	-7.77/-9.69	-13.46/-15.8	-19.25/-18.11	-17.18/-19.28	-18.83/-12.81	-11.92/-12.63	-17.86/-18.59	-16.85/-8.47	-15.89/-13.09	-17.79/-11.25	-11.3/-12.07	-9.19/-9.83	
Θ (150°)	-15.39/-15.9	-14.19/-9.55	-7.08/-8.98	-7.34/-4.58	-5.32/-6.05	-9.08/-8.75	-8.8/-5.48	-5.89/-6.88	-10.32/-9.67	-10.07/-12.99	-16.13/-18.13	-16.72/-13.62	-15.87/-17.35	-13.85/-13	-9.28/-11.16	-18.51/-11.36	-10.74/-10.06	-9.54/-11.38	-11.33/-14.24	-17.38/-12.88	-13.07/-15.97	-15.27/-13.35	-15.65/-12.22	-14.18/-13.82
Θ (157.5°)	-13.29/-11.85	-9.56/-8.56	-8.11/-9.6	-9.18/-3.88	-7.1/-9.06	-9.55/-9.74	-12.01/-10.03	-10.09/-6.8	-8.59/-10.81	-11.16/-17.42	-18.3/-17.25	-17.43/-18.7	-18.49/-15.75	-11.62/-12.94	-18.87/-18.33	-11.94/-13.85	-14.17/-16.11	-18.49/-19.01	-17.95/-17.65	-14.1/-12.84	-17.95/-18.92	-14.78/-9	-8.73/-11.55	-17.89/-18.24
Θ (165°)	-13.71/-17	-15.54/-12	-10.41/-9.62	-7.84/-8.86	-9.54/-10.29	-8.43/-10.19	-9.62/-11.42	-12.67/-12.88	-11.55/-10	-12.06/-15.37	-18.75/-17.47	-18.2/-18.13	-15.08/-14.24	-13.07/-12.49	-13.53/-13.61	-12.1/-15.07	-18.03/-14.28	-12.77/-13.04	-13.76/-19.01	-17.46/-18.99	-17.76/-15.51	-14.02/-10.84	-10.46/-9.33	-9.82/-10.06
Θ (172.5°)	-9.61/-9.07	-8.55/-8.92	-9.15/-9.09	-7.67/-7.68	-8.65/-8.05	-7.92/-8.25	-7.8/-8.57	-8.85/-10.93	-12.55/-13.19	-14.14/-15.56	-18.39/-19.14	-19.13/-18.68	-17.4/-17.68	-18.64/-18.72	-17.91/-16.93	-17.65/-16.97	-12.72/-11.66	-13.17/-14.05	-15.01/-14.06	-14.76/-15.25	-15.55/-16.4	-16.75/-16.48	-14.9/-12.73	-12.42/-10.54
Θ (180°)	-19.13/-18.89	-14.69/-12.51	-11.56/-11.06	-0.31/-8.58	-8.63/-7.68	-7.78/-8.14	-7.65/-7.36	-7.94/-7.96	-8.55/-9.22	-11.02/-13.3	-15.66/-18.85	-18.2/-19.02	-15.15/-13.1	-13.27/-13.6	-11.16/-8.78	-7.54/-6.06	-5.31/-5.7	-6.32/-5.82	-5.76/-6.35	-6.84/-9.35	-10.43/-12.25	-13/-17.53	-17.61/-17.72	-18.85/-19.03
Freq(Hz)	6.475GPol.	Phi/Ant. 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ (0°)	-2.64/-3.47	-4.49/-4.78	-5.59/-6.18	-8.88/-10.79	-13.02/-14.07	-19.32/-16.2	-14.55/-11.7	-7.11/-7.49	-6.48/-5.09	-4.27/-3.99	-4.31/-4.47	-4.18/-3.47	-3.84/-0.7	-5.03/-6.7	-7.47/-9.19	-11.5/-14.3	-17.87/-18.86	-18.21/-21.24	-10.27/-8.62	-5.98/-5.16	-4.36/-3.06	-2.78/-2.35	-2.66/-2.32	-2.14/-2.29
Θ (7.5°)	-3.02/-3.36	-5.12/-7.23	-7.89/-9.91	-12.02/-17.26	-18.11/-16.31	-13.04/-12.2	-9.58/-8.75	-6.31/-5.52	-3.59/-3.45	-3.94/-3.73	-3.89/-3.5	-3.59/-3.25	-3.25/-3.73	-3.88/-5.24	-7.18/-9.05	-9.02/-12.74	-18.72/-17.91	-9.47/-18.05	-10.27/-9.77	-4.89/-4.76	-3.31/-2.27	-2.57/-2.32	-2.58/-2.53	
Θ (15°)	-5.79/-5.63	-6.81/-8.78	-10.03/-7.72	-7.45/-9.02	-9.49/-10.17	-11.63/-10.83	-17.35/-9.43	-9.99/-8.86	-5.85/-5.49	-5.14/-5.2	-3.83/-3.5	-3.11/-2.96	-4.05/-4.42	-4.81/-4.87	-4.93/-5.32	-6.09/-7.16	-13.02/-17.39	-15.03/-9.64	-6.69/-3.35	-2.91/-1.95	-1.96/-2.93	-3.68/-4.17	-4.1/-4.03	-4.65/-4.97
Θ (22.5°)	-7.33/-6.62	-5.56/-7.2	-9.19/-9.25	-9.26/-10.42	-12.13/-12.69	-17.16/-17.33	-16.74/-16.77	-16.38/-14.73	-7.56/-3.32	-2.59/-3.39	-3.21/-1.44	-0.51/-3.33	-2.66/-3.34	-2.4/-2.94	-5.96/-10.08	-10.25/-10.4	-18.22/-15.3	-9.47/-15.82	-2.23/-4.16	-1.34/-1.93	-2.98/-4.08	-3.86/-5.21	-8.81/-8.32	
Θ (30°)	-2.64/-2.79	-4.31/-5.78	-8.06/-9.37	-12.10/-12.42	-18.48/-18.39	-18.88/-19.54	-15.61/-16.8	-15.67/-13.75	-9.59/-7.92	-2.91/-2.07	-3.74/-0.91	0.11/-1.54	-3.2/-2.77	-2.53/-4.35	-6.49/-7.48	-11.19/-17.09	-17.91/-15.6	-8.12/-4.97	-3.06/-2.52	-1.23/-1.64	-2.02/-4.77	-4.41/-4.87	-5.94/-5.09	
Θ (37.5°)	0.17/-0.42	-2.49/-3.43	-5.35/-7	-10.26/-14.86	-17.93/-14.4	-17.41/-18.6	-18.57/-15.99	-17.87/-9.14	-6.37/-5.14	-4.58/-2.45	-3.04/-1.42	-1.06/-2.74	-0.93/-1.87	-3.95/-6.14	-6.69/-7.12	-8.25/-11.35	-13.4/-18.78	-17.72/-12.75	-11.16/-9.49	-5.97/-4.42	-2.82/-1.45	-4.59/-6.52	-3.46/-3.49	-2.11/-0.04
Θ (45°)	-3.90/-2.01	-3.3/-5.04	-6.62/-6.76	-7.76/-9.91	-12.42/-17.88	-18.61/-18.33	-18.32/-13.84	-19.14/-17.18	-10.02/-6.73	-4.44/-2.35	-1.91/-2.47	-2.32/-1.57	-2.95/-2.01	-3.08/-4.76	-5.85/-8.49	-12.85/-18	-16.3/-12.43	-11.76/-17.47	-11.6/-5.61	-4.06/-1.87	-3.43/-3.79	-0.85/-1.42	-0.59/-0.74	
Θ (52.5°)	-1.61/-6.47	-8.44/-11.39	-11.19/-11.16	-11.19/-12.32	-13.74/-19.22	-18.47/-17.83	-16.24/-14.66	-16.37/-17.52	-15.73/-7.27	-4.75/-6.65	-3.71/-3.29	-2.31/-3.4	-3.93/-4.72	-9.56/-8.2	-11.54/-15.16	-16.88/-11.56	-17.42/-18.23	-7.64/-4.84	-3.32/-2.4	-1.64/-1.77	0.01/0.06	-0.25/-0.94		
Θ (60°)	-7.43/-7.16	-13.87/-17.33	-18.2/-18.74	-13.52/-12.8	-18.19/-18.9	-16.57/-11.94	-18.96/-18.78	-17.99/-16.21	-13.53/-13.61	-6.37/-8.84	-8.76/-5.69	-3.39/-4.05	-4.04/-4.19	-2.55/-4.75	-9.24/-11.28	-17.16/-13.8	-9.58/-13.7	-17.93/-13.27	-9.31/-9.43	-6.79/-3.68	-4.78/-2.87	-0.99/-0.63	0.54/-0.31	-1.53/-4.02
Θ (67.5°)	-10.26/-15.82	-17.72/-18.64	-16.51/-16.24	-19.35/-11.6	-13.75/-19.21	-16.23/-11.3	-17.92/-17.27	-19.17/-16.58	-18.09/-14.91	-12.58/-10.16	-11.21/-7.15	-5.16/-3.98	-5.57/-1.94	-1.01/-6.68	-6.88/-6.76	-9.74/-18.95	-13.29/-13.5	-17.37/-12.66	-8.25/-4.96	-6.32/-9.72	-6.24/-3.17	-0.62/-1.09	-0.18/-2.29	-3.38/-8.01
Θ (75°)	-14.52/-17.84	-13.91/-15.89	-10.55/-13.27	-18.48/-13.33	-16.71/-16.74	-17.95/-11.58	-18.92/-13.33	-15.31/-17.74	-18.68/-18.42	-9.95/-12.14	-9.66/-6.79	-8.37/-9.1	-3.45/-3.55	-5.51/-9.8	-7.16/-6.88	-18.11/-12.33	-17.18/-7.93	-4.37/-8.3	-8.45/-16.35	-9.73/-4.36	-1.47/-1.48	-2.28/-3.63	-6.19/-13.92	
Θ (82.5°)	-14.42/-10.73	-11.61/-9.92	-11.28/-14.76	-16.79/-16.87	-18.74/-17.29	-18.03/-10.34	-17.64/-16.3	-18.35/-16.73	-17.81/-12.93	-9.25/-16.49	-6.27/-5.19	-7.02/-10.61	-6.11/-3.49	-0.94/-2.74	-4.38/-11.68	-14.29/-5.68	-18.92/-12.51	-10.16/-7.25	-4.53/-12.38	-18.35/-13.45	-9.51/-3.39	-2.43/-3.09	-5.48/-6.25	-11.11/-9.14
Θ (90°)	-11.66/-6.94	-9.42/-9.17	-10.61/-12.15	-9.96/-16.58	-19.14/-18.26	-18.32/-14.87	-16.94/-18.46	-15.67/-11.76	-13.38/-17.55	-5.98/-16.62	-5.92/-3.99	-4.67/-5.43	-9.17/-6.74	-3.97/-2.88	-1.75/-6.28	-18.83/-5.29	-12.09/-17.9	-9.68/-5.66	-6.69/-18.35	-12.74/-10.43	-7.35/-6.66	-3.67/-5.54	-7.79/-8.62	-14.91/-12.88
Θ (97.5°)	-11.36/-6.02	-9.65/-7.52	-8.63/-9.03	-9.43/-18.27	-14.23/-18.28	-17.75/-13.52	-17.48/-19.02	-10.86/-11.66	-14.59/-5.34	-4.32/-4.85	-6.92/-2.81	-3.61/-7.67	-7.81/-8.88	-7.85/-3.27	-1.86/-3.29	-13.69/-7.69	-9.67/-18.37	-12.03/-8.51	-10.15/-8.72	-8.42/-7.35	-7.07/-4.67	-4.46/-8.32	-10.8/-11.37	-14.46/-11.37
Θ (105°)	-7.91/-6.12	-7.12/-6.69	-9.2/-8.51	-7.32/-15.32	-13.42/-15.01	-18.75/-18.5	-19.46/-19.19	-14.05/-14.53	-13.7/-6.16	-3.62/-6.12	-7.28/-5.15	-3.07/-3.74	-6.21/-7.34	-11.44/-10.16	-3.8/-2.71	-9.01/-15.48	-10.52/-16.3	-12.59/-10.3	-9.19/-6.64	-12.45/-10.47	-5.31/-7.64	-9.44/-12.39	-12.51/-11.91	-11.81/-10.35
Θ (112.5°)	-7.65/-4.77	-7.85/-6.88	-6.83/-6.62	-9.26/-14.24	-9.93/-18.32	-17.43/-17.75	-18.2/-																	



Radiated Composite Gain Data_Radio 4_6GHz_4TX

Appendix F

Θ(112.5°)	-3.63/-3.69	-5.57/-6.36	-4.98/-4.7	-3.81/-6.45	-3.73/-3.25	-1.64/-3.64	-3.32/-3.21	-4.25/-5.66	-6.68/-5.22	-4.09/-7.54	-6.72/-9.29	-14.41/-11.01	-12.35/-13.39	-13.89/-12.3	-6.98/-5.22	-3.99/-11.8	-9.34/-11.19	-7.25/-10.04	-7.66/-6.88	-12.29/-18.01	-5.73/-18.97	-8.45/-7.51	-7.73/-9.5	-11.97/-5.23
Θ(120°)	-3.85/-5.6	-6.03/-6.57	-7.19/-8.31	-6.02/-7.67	-5.49/-2.57	-4.22/-5.43	-3.35/-4	-6.34/-5.35	-4.9/-5.63	-9.04/-6.24	-9.54/-9.07	-18.66/-17.53	-12.63/-13.49	-12.81/-18.01	-13.21/-12.71	-6.47/-17.02	-10.62/-6.86	-9.14/-9.62	-13.08/-12.39	-9.2/-18.75	-11.54/-18.58	-18.87/-12.27	-7.28/-14.24	-8.44/-7.57
Θ(127.5°)	-7.14/-9.68	-13.91/-16.38	-16.43/-12.87	-7.15/-8.4	-6.65/-3.96	-4.57/-5.23	-5.45/-4.51	-7.1/-9.39	-5.38/-6.06	-13.9/-5.98	-10.59/-12.47	-10.78/-13.5	-14.66/-13.97	-10.54/-11.05	-14.49/-15.87	-17.46/-14.95	-12.85/-13.54	-15.93/-16.46	-10.36/-18.25	-13.6/-18.32	-18.88/-18.42	-17.94/-18.89	-12.3/-18.33	-12.64/-7.04
Θ(135°)	-10.64/-13.23	-18.45/-18.15	-17.29/-17.45	-10.12/-6.32	-6/-6.03	-5.12/-2.86	-4.83/-8.39	-17.92/-10.75	-7.13/-6.22	-13.81/-11.15	-12.68/-13.09	-12.58/-16.46	-19.15/-16.94	-11.59/-7.84	-12.46/-16.21	-18.69/-12.09	-15.73/-15.02	-16.97/-10.18	-8.61/-12.64	-7.43/-19.23	-11.9/-15.34	-19.14/-11.74	-8.53/-15.96	-11.2/-18.45
Θ(142.5°)	-11.15/-15.67	-14.36/-19.1	-16.25/-9.14	-7.75/-6.6	-4.92/-5.23	-4.56/-4.3	-4.79/-5.85	-8.95/-12.48	-8.61/-9.64	-14.54/-19.21	-15.47/-18.56	-18.96/-18.68	-16.99/-16.99	-17.94/-13.52	-16.04/-18.98	-14.16/-17.72	-9.29/-10.22	-9.21/-7.18	-7.86/-10.65	-16.21/-16.52	-14.77/-18.13	-14.32/-9.27	-11.14/-14.64	-10.16/-13.2
Θ(150°)	-18.19/-18.26	-15.84/-13.12	-10.8/-8.62	-7.35/-9.75	-7.28/-6.51	-6.01/-5.72	-7.7/-7.43	-8.59/-6.64	-10.76/-13	-12.54/-12.29	-11.38/-14.25	-15.28/-19.03	-18.8/-13.57	-12.57/-9.47	-18.09/-18.23	-17.56/-18.45	-19.06/-18.67	-17.89/-15.15	-13.24/-14.75	-15.29/-18.95	-14.8/-12.32	-16.25/-17.45	-11.98/-16.53	-12.24/-17.38
Θ(157.5°)	-16.22/-15.33	-13.46/-13.48	-13.25/-8.53	-9.04/-7.95	-8.13/-7.9	-7.84/-7.9	-9.14/-6.53	-7.8/-9.91	-14.49/-11.51	-15.12/-17.78	-17.89/-14.72	-13.67/-13.45	-12.4/-14.21	-15.92/-18.08	-18.64/-18.43	-17.82/-15.02	-10.68/-9.22	-11.79/-14.57	-16.26/-18.25	-18.16/-17.93	-16.9/-18.21	-15.9/-17.89	-14.61/-15.89	-18.56/-18.04
Θ(165°)	-10.52/-10.52	-10.23/-10.3	-10.07/-9.83	-8.87/-6.39	-6.15/-5.76	-6.48/-8.3	-8.95/-10.22	-11.94/-12.14	-14.04/-18.07	-15.13/-13.55	-17.8/-18.36	-18.56/-14.11	-14.6/-16.5	-13.66/-13.77	-16.26/-16	-9.82/-10.81	-14.71/-17.48	-18.72/-12.63	-14.4/-13.69	-18.26/-17.78	-17.93/-18.08	-16.07/-14.98	-12.81/-12.22	-14.84/-13.35
Θ(172.5°)	-15.35/-11.33	-10.79/-9.09	-7.14/-7.31	-7.65/-7.15	-7.1/-8.73	-9.89/-10.87	-11.45/-11.5	-12.24/-11.8	-12.89/-15.19	-16.47/-17.94	-19.12/-18.79	-18.46/-18.23	-18.57/-17.5	-13.89/-11.48	-12.32/-14.32	-17.17/-18.45	-18.3/-18.56	-17.87/-18.3	-19.14/-18.53	-18.99/-17.9	-17.46/-16.86	-18.28/-19.51	-18.16/-19.41	-18.03/-15.54
Θ(180°)	-17.12/-16.76	-15.09/-15.11	-12.99/-12.65	-10.34/-10.08	-9.13/-7.32	-7.54/-7.69	-7.72/-9.08	-7.66/-8.84	-11.12/-9.51	-11.77/-15.59	-14.74/-14.56	-17.35/-14.98	-16.67/-18.98	-19.61/-17.02	-16.82/-14.53	-12.53/-10.82	-9.55/-10.95	-10.42/-9.91	-10.53/-8.99	-8.47/-8.67	-11.5/-13.89	-15.29/-15.28	-18.44/-17.77	-19.46/-18.92
Freq(Hz)	6.995GPol.	Phi/Ant. 4	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	-2.28/-1.76	-2.58/-3.36	-3.51/-4.8	-6.07/-8.48	-10.04/-13.59	-18.73/-18.47	-16.66/-10.41	-7.51/-5.38	-4.41/-3.52	-2.82/-2.27	-1.79/-1.66	-1.84/-2.16	-2.56/-2.89	-3.3/-4.89	-7.17/-7.73	-9.17/-11.89	-12.5/-18.06	-17.14/-15.21	-12.35/-11.96	-9.69/-7.48	-6.82/-5.72	-4.07/-3.88	-2.99/-2.49	-2.55/-2.12
Θ(7.5°)	-3.49/-4.14	-4.44/-5.87	-7.08/-6.79	-6.45/-8.6	-11.1/-12.13	-14.56/-18.7	-16.41/-15.84	-10.12/-7.85	-7.45/-5.33	-3.48/-3.14	-2.83/-2.6	-2.39/-1.68	-1.56/-1.42	-1.71/-2.46	-3.52/-5.01	-6.49/-9.51	-13.67/-17.45	-18.14/-14.58	-10.57/-8.02	-6.22/-4.73	-3.63/-2.99	-2.52/-2.42	-2.18/-2.12	-2.69/-2.77
Θ(15°)	-2.68/-2.56	-2.21/-2.54	-2.7/-4.15	-3.94/-5.9	-9.76/-13.97	-15.57/-13.63	-11.61/-9.11	-7.56/-4.41	-1.42/-0.71	-1.45/-2.41	-2.76/-1.99	-1.09/-0.65	-1.22/-1.63	-2.5/-3.6	-3.8/-5.45	-9.58/-16.45	-18.77/-10.1	-7.32/-5.44	-4.61/-4.65	-4.12/-3.87	-3.04/-1.8	-2.57/-1.04	-1.29/-1.48	
Θ(22.5°)	-1.8/-2.78	-3.08/-3.82	-5.3/-7.68	-13.43/-18.88	-18.07/-18.03	-18.38/-18.93	-18.76/-15.48	-14.63/-12.66	-10.18/-10.53	-4.82/-2.23	-2.11/-2.73	-1.94/-0.68	-0.91/-1.84	-3.13/-3.9	-3.25/-3.79	-5.15/-7.72	-10.78/-15.14	-15.4/-9.35	-6.34/-4.58	-4.06/-4.01	-4.58/-4.79	-4.62/-2.59	-1.4/-0.66	-0.36/-0.62
Θ(30°)	-2.14/-3.3	-4.53/-3.52	-3.05/-5.41	-6.67/-7.66	-8.69/-9.94	-11.84/-15.67	-16.27/-19.73	-17.82/-14.94	-9.6/-4.41	-2.86/-2.9	-1.31/-1.39	-1.67/-1.07	-1.47/-1.87	-1.87/-2.95	-5.49/-7.59	-9.84/-10.57	-10.88/-13.67	-15.66/-18.21	-10.59/-4.96	-4.01/-4.06	-5.51/-7.08	-6.16/-5.41	-3.2/-1.66	-1.5/-1.41
Θ(37.5°)	-2.69/-5.5	-6.99/-6.45	-5.16/-7.63	-11.4/-13.8	-13.73/-17.95	-18.09/-16.8	-12.37/-15.32	-11.24/-5.51	-3.7/-2.78	-0.95/-1.55	-3.57/-1.67	-1.06/-1.29	-2.08/-4.46	-6.72/-9.24	-10.82/-9.27	-7.75/-11.81	-19.98/-18.62	-11.65/-6.57	-4.62/-4.92	-5.38/-6.97	-7.23/-4.03	-3.61/-2.36	-0.56/-1.23	
Θ(45°)	-3.26/-7.65	-10.62/-9.19	-9.44/-8.45	-9.9/-16.13	-17.79/-18.48	-18.82/-18.13	-17.61/-17.37	-17.69/-12.32	-10.55/-12.47	-4.64/-4.8	-4.97/-2.69	-5.3/-5.64	-3.72/-2.73	-1.92/-3.11	-4.12/-8.19	-12.21/-18.87	-15.72/-16.13	-18.64/-14.52	-11.93/-8.97	-5.94/-7.92	-6.08/-4.92	-5.14/-2.09	-1.56/-1.61	-0.48/-2.36
Θ(52.5°)	-4.21/-9.01	-11.18/-15.21	-14.4/-11.77	-14.27/-13.02	-16.19/-19.1	-18.04/-16.99	-14.49/-18.55	-16.29/-11.23	-11.08/-9.06	-7.21/-6.5	-5.37/-8.6	-5.48/-2.47	-2.26/-3.58	-4.06/-3.12	-3.4/-7.59	-10.67/-15.91	-17.8/-18.95	-16.52/-14.17	-19.03/-17.69	-9.95/-8.92	-6.19/-2.95	-3.48/-0.56	0.36/-1.4	-1.2/-2.32
Θ(60°)	-6.84/-12.46	-16.96/-17.1	-14.54/-15.08	-19.27/-12.52	-15.68/-18.06	-18.67/-19.22	-14.77/-19.83	-12.37/-17.42	-11.3/-10.9	-8.15/-8.15	-8.42/-6.45	-6.29/-2.61	-2.25/-3.68	-4.27/-6.13	-7.23/-13.7	-18.5/-19.32	-18.05/-16.5	-16.79/-18.26	-17.61/-16.46	-6.79/-7.16	-5.38/-3.41	-1.88/-0.03	0.63/-1.01	-2.91/-4.6
Θ(67.5°)	-8.06/-10.04	-14.15/-19.1	-18.5/-14.47	-18.24/-11.83	-18.04/-19.7	-18.98/-17.18	-14.03/-17.79	-18.46/-18.57	-12.74/-11.77	-14.57/-9.62	-4.95/-7.81	-5.05/-3.64	-1.54/-1.22	-1.42/-4.33	-11.23/-13.74	-13.28/-18.38	-17.28/-18.35	-11.73/-17.92	-13.76/-13.13	-7.67/-10.07	-8.67/-2.95	-1.32/-0.05	-0.46/-2.45	-5.32/-6.69
Θ(75°)	-9.64/-10.93	-17.73/-17.79	-13.22/-11.65	-18.4/-10.85	-16.95/-17.97	-19.03/-18.32	-13.67/-14.15	-17.34/-18.91	-13.43/-12.24	-18.73/-13.5	-6.35/-8.65	-6.1/-8.19	-4.36/-0.92	0.31/-1.03	-9.72/-12.13	-9.3/-13.1	-18.5/-18.94	-12.92/-8.27	-14.02/-18.46	-11.08/-4.55	-1.45/-0.79	-1.66/-5.92	-1.66/-5.92	-7.01/-11.06
Θ(82.5°)	-11.21/-14.4	-14.94/-12.92	-11.56/-11.94	-14.87/-12.13	-14.76/-15.15	-18.79/-18.73	-14.04/-18.93	-17.2/-14.13	-12.85/-11.31	-10.11/-7.56	-6.75/-18.32	-5.07/-1.21	-0.31/-1.82	-6.37/-17.24	-12.72/-7.88	-15.09/-18.79	-9.58/-13.56	-6.66/-7.78	-18.53/-16.12	-9.19/-4.41	-2.47/-2.17	-5.04/-12.97	-9.61/-13.54	
Θ(90°)	-15.8/-17.2	-10.71/-9.3	-7.9/-9.91	-14.29/-12.51	-13.89/-14.58	-18.44/-15.92	-16.7/-18.9	-18.49/-14.18	-12.78/-10.52	-8.01/-9.97	-11.09/-7.66	-6.31/-7.47	-18.38/-6.33	-2.26/-1.13	-3.36/-11.29	-14.17/-9.3	-15.45/-18.85	-8.77/-12.47	-17.62/-4.18	-11.43/-8.15	-7.62/-4.18	-4.33/-4.08	-9.67/-17.84	-14.91/-17.84
Θ(97.5°)	-16.33/-11.96	-8.08/-7.09	-6.19/-9.32	-15.39/-13.39	-18.56/-14.73	-19.1/-12.86	-18.11/-19.07	-17.96/-13.34	-12.54/-8.26	-6.38/-6.38	-7.22/-7.2	-6.02/-5.77	-18.58/-8.03	-3.78/-3.06	-2.62/-6.33	-17.5/-11.04	-12.54/-18.08	-11.49/-9.01	-14.72/-10.89	-6.69/-7.96	-6.48/-5.29	-5.37/-8.23	-13.1/-17.84	-19.25/-17.87
Θ(105°)	-11.44/-8.14	-7.95/-6.76	-6.29/-8.23	-12.09/-18.71	-18.68/-17.47	-17.9/-15.01	-19.15/-14.55	-14.88/-12.56	-13.47/-7.71	-6.09/-6.36	-7.19/-5.71	-8.14/-4.08	-6.25/-14.15	-12.57/-6.94	-4.38/-3.64	-11.58/-19.09	-15.28/-15.75	-16.14/-15.35	-9.43/-9.92	-6.98/-8.27	-2.97/-8.69	-7.08/-15.98	-15.94/-14.86	-14.31/-13.02
Θ(112.5°)	-8.07/-5.83	-5.99/-6.29	-6.9/-10.74	-12.3/-17.17	-19.1/-16.68	-19.31/-17.93	-18.79/-18.31	-19.02/-11.54	-9.86/-8.79	-7.3/-3.81	-6.37/-5.81	-8.2/-6.01	-6.13/-11.41	-18.71/-17.39	-10.37/-5.42	-9.71/-18.09	-11.48/-12.01	-8.87/-7.98	-13.18/-8.88	-8.97/-15.05	-13.22/-13.48	-11.37/-11.5	-13.09/-9.81	
Θ(120°)	-6.45/-6.57	-6.8/-6.29	-6.82/-9.22	-15.42/-16.65	-18.38/-12.41	-15.02/-18.48	-18.16/-14.94	-17.56/-11.87	-12.69/-11.36	-6.26/-4.9	-5.49/-6.42	-7.05/-8.47	-6.38/-8.63	-15.32/-18.42	-17.91/-8.23	-9.48/-12.54	-19.12/-17.05	-18.74/-10.93	-11.85/-11.82	-18.51/-12.21	-19.18/-17.95	-13.54/-9.32	-10.78/-7.91	-8.76/-6.52
Θ(127.5°)	-7.05/-6.06	-7.38/-7.68	-6.61/-8.84	-15.7/-18.49	-15.02/-13.68	-15.08/-19.93	-17.89/-18.23	-11.31/-11.73	-14.11/-10.35	-7.67/-8.14	-5.54/-8.06	-7.8/-7.9	-18.01/-11.48	-12.5/-13.98	-18.48/-14.35	-10.41/-9.84	-12.72/-14.47	-13.09/-18.09	-13.58/-15.83	-17.18/-17.3	-17.81/-9.14	-8.38/-8.01	-8.09/-7.14	-7.33/-5.97
Θ(135°)	-6.62/-9.15	-7.14/-7.35	-9.97/-11.4	-14.19/-17.39	-15.68/-19.27	-19.2/-17.64	-18.84/-18.74	-14.57/-10.65	-14.08/-11.74	-10.48/-10.4	-6.51/-8.72	-11.53/-14.04	-16.52/-17.76	-18.07/-17.87	-17.68/-17.65	-18.04/-19.21	-17.62/-18.77	-16.08/-14.21	-16.52/-18.78	-12.66/-18.34	-19.15/-14.51	-14.97/-8.83	-9.67/-9.34	-7.78/-8.84
Θ(142.5°)	-13.5/-10.35	-8.65/-12.43	-11.49/-12.19	-10.31/-13.93	-17.42/-17.4	-16.13/-19.02	-19.41/-18.82	-16.89/-10.44	-12.04/-16.95	-7.58/-9.13	-12.12/-9.29	-7.85/-13.12	-9.04/-10.87	-6.7/-10.94	-18.2/-17.97	-18.7/-17.68	-16.51/-18.26	-18.39/-18.43	-13.39/-12.08	-18.64/-11.72	-17.71/-11.6	-11.71/-11.76	-8.33/-7.86	-8.41/-8.7
Θ(150°)	-10.25/-9.09	-8.13/-7.79	-10.01/-10.74	-18.14/-17.72	-17.29/-18.14	-18.64/-18.22	-18.42/-17.67	-19.56/-13.24	-8.24/-13.3	-12.79/-9.28	-9.59/-12.03	-9.6/-8.02	-10.29/-10.7	-12.71/-19.18	-18.84/-17.45	-15.68/-12.33	-11.94/-17.43	-16.54/-11.22	-16.36/-9.57	-17.47/-12.59	-17.33/-18.09	-12.75/-14.45	-15.96/-10.04	-11.04/-8.07
Θ(157.5°)	-11.69/-8.83	-8.85/-12.16	-13.27/-17.34	-15.73/-18.14	-14.																			



**Radiated Composite Gain Data_Scanning Radio 5_2.4GHz, 5GHz UNII 1~4, 6GHz
and Radio 6 Bluetooth**

Appendix G

Freq(Hz)	2.45G	5.2G	5.3G	5.6G	5.785G	5.885G	6.175G	6.475G	6.695G	6.995G
Scan Ant. 1 Max Gain (dBi)	2.17	2.74	3.39	4.78	3.51	4.94	3.96	4.67	4.31	4.8
Scan Ant. 2 Max Gain (dBi)	1.83	5.46	4.17	6.68	6.06	6.03	5.1	4.49	4.37	4.7
BT Ant. 3 Max Gain (dBi)	2.91									
Ant. 1 Polarization/Θ(°)/Φ(°)	Theta/60/22.5	Theta/67.5/52.5	Theta/52.5/232.5	Theta/60/127.5	Theta/60/127.5	Theta/67.5/75	Theta/82.5/232.5	Theta/90/240	Theta/82.5/240	Theta/82.5/240
Ant. 2 Polarization/Θ(°)/Φ(°)	Theta/52.5/82.5	Theta/75/52.5	Theta/75/52.5	Theta/67.5/52.5	Theta/67.5/52.5	Theta/75/45	Theta/67.5/157.5	Theta/75/37.5	Theta/67.5/67.5	Theta/75/30
Ant. 3 Polarization/Θ(°)/Φ(°)	Theta/60/120									



Radiated Composite Gain Data_Scanning Radio 5_2.4GHz, 5GHz UNII 1~4, 6GHz and Radio 6 Bluetooth

Appendix G

Gain Result

[illegible]



Radiated Composite Gain Data_Scanning Radio 5_2.4GHz, 5GHz UNII 1~4, 6GHz

Appendix G

Θ(22.5°)	-10.23/-8.65	-8.31/-7.69	-6.62/-6.91	-7.32/-7.06	-7.06/-6.92	-6.83/-7.09	-7.56/-7.49	-7.59/-6.56	-6.17/-6.37	-7.19/-7.67	-8.57/-10.19	-11.72/-12.68	-11.33/-8.28	-5.46/-2.99	-1.35/-0.86	-0.9/-0.38	-0.06/-0.2	-0.17/-0.97	-2.86/-6.05	-9.42/-8.11	-6.6/-6.83	-10.08/-18.34	-18.2/-15.63	-11.36/-9.46
Θ(30°)	-7.79/-6.26	-6.05/-5.5	-4.15/-3.55	-3.58/-4.08	-5.24/-7.72	-7.94/-7.68	-9.82/-14.91	-13.89/-11.37	-10.24/-10.49	-13.75/-15.58	-14.32/-15.47	-18.55/-18.62	-14.16/-11.94	-6.86/-2.88	-0.98/-0.48	-0.69/-1.17	-2.01/-3	-3.41/-3.38	-4.22/-6.94	-13.86/-12.83	-10.12/-12.16	-15.36/-17.29	-11.58/-11.72	-10.7/-8.79
Θ(37.5°)	-7.33/-5.97	-4.71/-3.99	-3.2/-2.04	-1.76/-2.54	-3.12/-4.54	-6.12/-6.41	-9.78/-18.37	-18.36/-17.47	-12.41/-19.55	-19.26/-17.76	-15.95/-16.1	-12.61/-19.76	-14.36/-11.76	-4.36/-4.86	-4.86/-4.39	-3.74/-2.78	-1.61/-1.45	-2.47/-4.61	-5.81/-6.48	-10.86/-16.9	-11.12/-11.82	-15.32/-12.84	-10.39/-9.63	-9.16/-5.86
Θ(45°)	-7.84/-6.91	-6.11/-6.15	-5.7/-4.38	-3.12/-2.75	-2.25/-1.84	-2.54/-4.23	-7.7/-15.59	-12.24/-10.27	-10.89/-12.68	-9.1/-9.91	-18.41/-18.02	-11.39/-8.57	-8.76/-9.33	-7.51/-5	-3.37/-3.38	-3.15/-2.95	-3.61/-3.29	-3.91/-6.19	-8.41/-8.56	-10.31/-18.09	-13.35/-12.96	-14.19/-14.32	-10.46/-9.63	-9.67/-8.57
Θ(52.5°)	-9.37/-8.43	-6.52/-6.7	-6.47/-5.05	-3.88/-3.22	-1.24/-2.01	-2.6/-4.36	-7.17/-7.28	-9.33/-10.22	-7.36/-7.99	-6.47/-8.79	-17.51/-9.48	-8.23/-7.37	-10.21/-13.72	-10.97/-6.73	-4.58/-5.74	-4.75/-4.7	-6.36/-7.1	-7.04/-8.06	-9.99/-9.49	-8.78/-16.7	-12.56/-12.27	-10.89/-12.15	-11.1/-11.28	-13.23/-11.47
Θ(60°)	-8.08/-6.57	-5.59/-5.42	-6.92/-6.23	-4.96/-5.53	-4.41/-3.73	-3.71/-2.36	-4.73/-4.94	-6.5/-8.39	-7.48/-9.14	-6.23/-4.47	-8.27/-8.99	-11.38/-7.7	-7.02/-9.63	-14.25/-14.72	-7.63/-7.54	-12.62/-10.04	-10.23/-15.38	-15.01/-11.57	-8.85/-10.46	-8.96/-11.35	-12.27/-10.25	-9.42/-11.88	-11.33/-12.38	-19.52/-14.74
Θ(67.5°)	-8.63/-5.99	-4.15/-4.53	-6.89/-7.58	-6.09/-6.02	-5.55/-4.45	-4.67/-4.38	-4.71/-3.11	-6.53/-8.44	-8.44/-7.69	-6.85/-6.15	-7.03/-5.43	-7.88/-8.33	-9.39/-8.38	-10/-13.53	-10.69/-7.87	-12.59/-11.67	-11.87/-14.42	-13.94/-12.36	-8.15/-8.02	-6.81/-9.17	-11.36/-9.57	-9.55/-12	-9.79/-13.78	-18.44/-11.67
Θ(75°)	-8.96/-5.86	-4.62/-5.91	-8.95/-11.69	-8.74/-7.25	-6.8/-5.98	-6.4/-5.26	-7.55/-5	-5.77/-7.59	-12.16/-10.01	-8.04/-6.93	-7.79/-5.23	-6.69/-8.68	-9.38/-6.74	-7.47/-7.95	-11.22/-12.39	-12.63/-9.73	-9.23/-10.85	-10.22/-10.14	-7.47/-6.32	-6.16/-9.28	-9.88/-9.75	-9.67/-10.61	-10.77/-16.48	-14.13/-9.91
Θ(82.5°)	-9.34/-6.8	-6.77/-8.64	-12.96/-16.76	-12.57/-11.09	-7.61/-6.64	-8.08/-9.1	-9.01/-6.06	-7.33/-6.98	-17.08/-14.05	-10.45/-8.6	-11.1/-6.31	-7.48/-8.96	-11.33/-8.29	-9.7/-9.82	-16.02/-17.98	-12.38/-10.44	-10.6/-11.16	-9.84/-7.64	-5.56/-5.38	-5.57/-8.68	-11.49/-9.81	-9.06/-12.52	-11.48/-18.59	-14.18/-9.83
Θ(90°)	-8.39/-7.61	-8.59/-11.12	-15.13/-18.6	-15.34/-12.86	-9.1/-8.64	-9.14/-9.4	-11.89/-8.96	-9.65/-9.84	-18.15/-17.31	-16.34/-10.61	-11.05/-9.64	-7.54/-9.41	-17.63/-9.96	-10.53/-13.32	-12.73/-19.04	-15.37/-12.92	-10.58/-9.08	-9.5/-7.68	-6.89/-7.75	-8.68/-10.41	-11/-8.5	-11.3/-15.87	-12.44/-18.85	-13.17/-10.07
Θ(97.5°)	-9.19/-9.93	-12.97/-13.42	-19.02/-18.65	-17.27/-12.32	-11.48/-11.23	-11.48/-13.21	-16.96/-10.94	-11.21/-17.07	-18.14/-18.78	-16.17/-15.08	-12.21/-8.27	-10.72/-15.11	-12.94/-8.27	-8.97/-13.52	-15.64/-15.55	-18.53/-12.49	-18.99/-9.23	-10.56/-8.22	-8.08/-8.75	-10.32/-13.84	-11.84/-12.19	-13.73/-11.97	-14.63/-18.2	-10.58/-8.88
Θ(105°)	-9.71/-11.33	-15.54/-18.13	-17.17/-17.97	-19.06/-14.97	-12.09/-12.17	-11.3/-15.45	-17.74/-13.42	-12.15/-14.38	-17.19/-18.93	-15.35/-11.7	-16.66/-10.8	-8.8/-12.55	-14.33/-14.86	-8.58/-14.4	-18.64/-13.97	-17.6/-14.12	-18.62/-12.72	-14.18/-13.71	-9.92/-9.69	-13.01/-12.54	-17.92/-14.38	-13.27/-16.99	-13.62/-10.42	
Θ(112.5°)	-11.94/-12.42	-17.72/-19.09	-18.57/-18.22	-18.27/-14.92	-14.4/-17.81	-16.17/-19.06	-18.44/-15.64	-14.35/-15.33	-18.82/-18.16	-15.2/-11.64	-11.19/-16.64	-12.32/-11.2	-13.37/-15.52	-10.86/-15.42	-19.04/-18.22	-17.71/-12.2	-14.34/-16.49	-19.07/-13.68	-10.86/-9.25	-9.55/-14.47	-16.03/-14.27	-19.34/-15.58	-11.65/-18.37	-12.48/-9.05
Θ(120°)	-15.99/-10.62	-19.15/-17.29	-18.02/-16.68	-19.06/-19.12	-18.3/-18.6	-18.42/-18.13	-14.94/-17.89	-16.74/-15.87	-18.11/-19.04	-17.04/-14.44	-13/-11.62	-11.81/-12.91	-10.47/-18.23	-18.11/-11.97	-16.6/-17.84	-15.66/-18.71	-11.99/-14.51	-12.82/-10.17	-10.79/-15.51	-15.12/-13.22	-10.79/-15.51	-15.86/-17.86	-13.05/-14.28	-13.53/-11.69
Θ(127.5°)	-15.84/-15.44	-18.5/-18.51	-18.53/-15.56	-17.78/-17.73	-18.25/-18.87	-17.9/-17.91	-17.68/-19.05	-18.95/-17.38	-19.16/-17.97	-15.81/-11.63	-16.7/-14.08	-16.58/-13.38	-11.8/-18.09	-17.89/-12.18	-18.23/-18.4	-18.97/-14.31	-12.76/-18.2	-15.44/-10.86	-18.62/-12.76	-11.67/-19.16	-17.23/-17.45	-13.61/-16.54	-10.98/-17.95	
Θ(135°)	-13.96/-16.93	-17.91/-19.01	-16.78/-19.53	-16.93/-18.42	-17.66/-18.45	-17.97/-17.65	-18.56/-15.5	-19.01/-12.61	-15.34/-17.55	-18.47/-18.59	-12.58/-13.45	-18.26/-11.78	-18.18/-15.5	-10.55/-18.76	-18.98/-17.78	-19.16/-17.49	-18.14/-18.33	-18.66/-19.21	-18.15/-17.17	-18.43/-18.76	-14.07/-12.18	-12.03/-13.17	-13.86/-18.79	-12.67/-13.15
Θ(142.5°)	-13.45/-18.46	-18.17/-18.29	-17.29/-17.58	-19.03/-18.3	-19.25/-18.32	-19.37/-18.18	-19.23/-15.19	-14.62/-16.83	-15.68/-15.57	-17.43/-17.53	-13.91/-13.67	-17.71/-12.54	-8.92/-13.86	-14.47/-18.69	-18.78/-16.6	-17.5/-17.67	-19.27/-19.27	-16.44/-17.99	-15.53/-18.6	-17.31/-15.97	-9.89/-14.25	-8.57/-12.12	-16.54/-19.3	
Θ(150°)	-18.61/-17.81	-15.24/-14.98	-14.84/-18.29	-17.36/-18.91	-17.61/-18.58	-18.47/-18.81	-13.06/-13.09	-18.21/-16.01	-15.14/-14.89	-12.89/-16.53	-11.68/-6.53	-8.85/-16.21	-17.91/-19.21	-17.44/-16.15	-17.73/-17.95	-14.78/-17.47	-13.74/-16.38	-16.97/-19.22	-12.67/-18.86	-14.11/-10.52	-11.43/-13.85	-14.61/-11.86	-12.02/-12.27	-13.02/-16.36
Θ(157.5°)	-16.82/-15.01	-16.94/-16.03	-15.42/-16.41	-18.67/-19.17	-18.36/-18.7	-18.45/-18.69	-18.03/-15.4	-17.23/-18.39	-13.14/-11.09	-11.44/-11.35	-8.3/-7.31	-9.58/-18.11	-18.08/-18.76	-18.53/-17.86	-18.57/-18.9	-14.93/-15.19	-18.26/-17.86	-11.61/-10	-12.82/-13.97	-10.22/-9.4	-11.19/-14.88	-15.89/-13.99	-14.52/-15.44	-19.12/-18.16
Θ(165°)	-18.27/-18.84	-18.37/-17.61	-19.68/-17.89	-18.08/-18.03	-16.15/-15.25	-17.92/-16.66	-19.4/-17.81	-16.27/-13.98	-13.24/-14.08	-14.97/-16.62	-13.59/-11.71	-11.93/-16.92	-18.1/-18.09	-18.43/-18.74	-18.02/-17.73	-18.18/-41	-18.06/-15.06	-14.33/-14.57	-18.16/-14.54	-12.05/-11.17	-12.07/-15.23	-18.62/-18.63	-19.05/-15.87	-16.48/-17.83
Θ(172.5°)	-19.21/-18.45	-18.68/-16.1	-18.17/-15.63	-15.31/-16.9	-19.18/-17.88	-17.84/-18.38	-15.68/-14.66	-15.71/-19.36	-17.95/-18.67	-17.74/-15.75	-12.55/-10.71	-10.8/-11.86	-14.14/-15.99	-16.64/-15.04	-13.95/-14.9	-16.89/-17.48	-18.16/-18.41	-18.49/-18.62	-16.56/-13.64	-12.13/-11.53	-12.02/-12.98	-14.68/-16.1	-16.89/-15.94	-16.29/-18.56
Θ(180°)	-13.83/-11.56	-12.32/-12.6	-13.13/-13.45	-13.71/-13.3	-11.95/-11.7	-12.23/-13.05	-14.19/-15.43	-16.38/-17.35	-17.29/-15.54	-14.58/-14.74	-14.13/-13.77	-14.37/-16.34	-17.53/-16.58	-14.48/-14.89	-16.18/-16.59	-16.5/-15.12	-14.79/-15.22	-14.57/-15.07	-17.1/-18.28	-14.79/-15.12	-14.57/-15.07	-17.1/-18.28	-16.87/-18.16	-17.96/-18.34
Freq(Hz)	5.3GPol	ThetaAnt.1	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-
Gain	Φ(0°)Φ(7.5°)	Φ(15°)Φ(22.5°)	Φ(30°)Φ(37.5°)	Φ(45°)Φ(52.5°)	Φ(60°)Φ(67.5°)	Φ(75°)Φ(82.5°)	Φ(90°)Φ(97.5°)	Φ(105°)Φ(112.5°)	Φ(120°)Φ(127.5°)	Φ(135°)Φ(142.5°)	Φ(150°)Φ(157.5°)	Φ(165°)Φ(172.5°)	Φ(180°)Φ(187.5°)	Φ(195°)Φ(202.5°)	Φ(210°)Φ(217.5°)	Φ(225°)Φ(232.5°)	Φ(240°)Φ(247.5°)	Φ(255°)Φ(262.5°)	Φ(270°)Φ(277.5°)	Φ(285°)Φ(292.5°)	Φ(300°)Φ(307.5°)	Φ(315°)Φ(322.5°)	Φ(330°)Φ(337.5°)	Φ(345°)Φ(352.5°)
Θ(0°)	0.3/0.25	0.03/-0.39	-1.03/-1.36	-2.02/-3.18	-3.84/-4.65	-5.43/-6.21	-6.4/-6.23	-5.45/-4.86	-4.16/-3.48	-2.82/-2.13	-1.81/-1.57	-1.27/-1.1	-0.91/-1	-1.34/-1.71	-1.86/-2.51	-3.37/-4.05	-4.19/-4.86	-5.75/-5.81	-5.53/-4.78	-3.95/-3.64	-3.02/-2.48	-1.65/-0.87	-0.30/-1.1	0.590/68
Θ(7.5°)	-1.67/-2.1	-1.97/-1.93	-2.66/-3.37	-3.21/-3.43	-4.67/-5.05	-4.91/-5.42	-6.12/-5.6	-4.63/-3.84	-3.04/-1.88	-0.98/-0.26	0.320/64	0.840/-97	1/1.1	0.970/35	-0.54/-3.1	-2.14/-3.32	-0.46/-7.41	-5.47/-6.59	-5.62/-5.45	-5.01/-4.58	-5.73/-5.46	-4.79/-3.62	-2.95/-2.39	-1.82/-1.66
Θ(15°)	-3.75/-4.7	-4.63/-6.42	-5.62/-6.37	-6.06/-6.64	-6.86/-6.68	-7.98/-7.32	-7.4/-6.85	-5.82/-6.96	-2.9/-0.93	-0.330/06	0.070/06	-0.04/-0.2	-0.43/-1.26	-2.01/-2.4	-2.86/-3.17	-3.99/-4.66	-5.08/-4.77	-3.42/-2.79	-3.21/-4.45	-6.17/-7.34	-4.61/-3.95	-3.74/-3.52		
Θ(22.5°)	-7.58/-9.45	-10.48/-11.32	-12.69/-15.49	-17.13/-19.1	-18.72/-18.96	-17.42/-15.47	-14.4/-12.34	-8.85/-6.74	-5.09/-4.03	-3.27/-2.43	-1.21/-0.33	0.0/0.2	0.180/0.1	-0.1/-0.39	-1.14/-2.14	-2.65/-2.5	-3.14/-4.07	-4.87/-5.06	-4.19/-2.9	-1.98/-2.44	-3.21/-4.76	-5.61/-5.57	-5.69/-6.11	-6.16/-6.49
Θ(30°)	-7.6/-7.4	-5.02/-4.9	-7.19/-3	-14.24/-18.3	-12.77/-10.44	-10.55/-12.7	-18.69/-18.89	-11.82/-6.99	-4.19/-2.52	-2.57/-3.47	-3.48/-2.64	-1.91/-1.33	-0.90/-32	0.740/0.1	-0.76/-0.78	0.870/-69	-0.8/-1.4	-1.93/-3.09	-3.24/-2.16	-1.39/-1.22	-1.25/-1.45	-2.75/-4.05	-4.18/-4.48	-5.13/-6.7
Θ(37.5°)	-6.07/-3.01	-1.61/-1.86	-3.36/-6.42	-6.91/-5.56	-4.3/-2.84	-2.67/-3.9	-6.03/-10.97	-7.91/-4.96	-3.48/-1.65	-1.16/-3.22	-4.52/-4.31	-3.12/-1.09	0.71/53	0.920/1	-0.34/-0.29	0.240/69	0.830/79	0.64/-0.5	-1.29/-0.33	0.81/0.1	-0.4/-1.18	-0.74/-2.01	-0.69/-0.38	-1.88/-4.83
Θ(45°)	-1.050/7.3	0.690/1	-1.99/-4.57	-4.12/-1.73	-0.51/-0.69	-1.06/-1.57	-2.29/-2.77	-2.57/-1.25	-1.01/-1.65	-1.52/-3.36	-5.31/-5.96	-4.35/-1.82	0.741/75	1.651/46	1.181/0.7	1.562/18	1.991/72	1.200/3	-1.17/-0.19	1.330/69	-0.43/-0.87	-0.69/-0.13	1.250/6	-0.32/-3.22
Θ(52.5°)	1.391/5	0.75/-0.03	-1.21/-2.07	-1.980/4.1	1.16/-0.35	-1.33/-1.84	-1.27/-0.51	-1.73/-0.69	0.08/-0.38	-1.36/-4.11	-5.9/-6.35	-4.05/-1.05	-0.06/-0.69	-0.490/-19	1.021/72	2.423/39	3/1/85	1.32/-0.04	-1.66/-1.15	0.920/83	-1.55/-0.7	-0.230/02	0.92/-0.92	-1.45/-0.23
Θ(60°)	0.70/6	-0.51/-0.37	-0.30/23	0.732/35	2.711/34	-0.21/-1.18	-0.750/-39	-0.86/-2.58	0.060/64	-0.71/-3.77	-2.62/-3.45	-3.4/-1.15	-1.02/-1.58	-1.88/-0.17	1.71/81	1.082/35	3.111/3	-0.17/-1.4	-2.75/-2.42	-0.91/-1.66	-1.440/16	-0.26/-2	-1.18/-1.03	-0.11/-28
Θ(67.5°)	0.05/-0.49	-1.49/-1.18	-1.380/3	1.662/34	2.711/66	0.180/64	0.560/-0.26	-0.34/-2.9	0.571/4	-0.73/-2.04	-1.3/-4.4	-3.15/-0.62	-0.880/31	1.131/82	2.982/29	0.471/79	2.870/92	-2.06/-3.27	-1					



Radiated Composite Gain Data_Scanning Radio 5_2.4GHz, 5GHz UNII 1~4, 6GHz

Appendix G

Θ(67.5°)	-12.48/-10.17	-8.78/-7.05	-4.56/-4.17	-3.87/-3.91	-4.64/-6.62	-5.4/-6.41	-13.17/-11.32	-7.87/-6.38	-12.03/-8.37	-9.28/-4.71	-6.57/-6.91	-6.44/-5.67	-4.44/-8.65	-13.16/-10.61	-5.67/-7.53	-7.85/-6.05	-7.74/-12.91	-18.71/-11.35	-10.74/-8.66	-10.29/-11.21	-7.89/-8.01	-7.94/-6.55	-12.19/-17.46	-12.04/-8.56
Θ(75°)	-15.61/-10.47	-10.31/-8.17	-5.1/-5.15	-4.93/-4.83	-5.1/-5.26	-6.7/-5.08	-11.33/-12.02	-7.67/-8.18	-11.32/-10.04	-12.13/-5.71	-5.61/-8.5	-7.87/-14.26	-7.67/-14.74	-8.91/-11.02	-6.62/-7.12	-7.65/-4.75	-4.53/-6.05	-13.9/-9.12	-6.58/-6.71	-8.95/-11.7	-7.42/-5.9	-8.27/-7.23	-14.45/-18.95	-14.11/-10.71
Θ(82.5°)	-17.29/-9.91	-12.57/-8.68	-16.52/-14.68	-17.53/-18.66	-16.27/-14.29	-10.99/-13.91	-12.16/-18.02	-17.42/-18.1	-17.75/-18.46	-12.45/-15.92	-17.22/-18.63	-11.61/-19.68	-18.01/-14.19	-11.58/-14.3	-14.33/-13.19	-18.93/-19.03	-17.84/-12.75	-15/-16.16	-14.06/-12.66	-11.16/-14.14	-9.26/-14.42	-15.02/-18.4	-15.31/-18.38	-17.26/-13.22
Θ(90°)	-15.33/-9.57	-14.32/-9.91	-10.07/-11.7	-10.06/-9.22	-7.36/-8.15	-8.83/-9.01	-12.34/-14.98	-11.76/-11.06	-18.2/-17.43	-15.91/-13.4	-11.05/-12.75	-10.05/-19.4	-11.3/-7.61	-8.61/-8.7	-9.66/-14.69	-11.41/-8.34	-7.04/-6.01	-12.79/-9.68	-7.17/-8.41	-12.49/-9.4	-7.18/-10.26	-10.1/-15.32	-16.92/-18.71	-18.28/-13.84
Θ(97.5°)	-16.8/-12.17	-14.81/-11.65	-13.84/-18.56	-12.85/-12.78	-9.21/-10.22	-11.16/-10.97	-12.55/-15.93	-19.33/-14.14	-18.83/-19.04	-14.99/-15.92	-12.49/-15.22	-14.2/-18.21	-12.85/-11.12	-12.78/-10.55	-11.93/-13.68	-12.82/-11.23	-12.52/-8.32	-17.73/-12.41	-10.36/-12.35	-10.71/-10.29	-8.68/-10.02	-13.85/-19.04	-15.74/-19.05	-18.31/-15.51
Θ(105°)	-17.87/-14.09	-16.52/-14.68	-17.53/-18.66	-16.27/-14.29	-10.99/-13.91	-12.16/-18.02	-17.42/-18.1	-17.75/-18.46	-12.45/-15.92	-17.22/-18.63	-11.61/-19.68	-18.01/-14.19	-11.58/-14.3	-14.33/-13.19	-18.93/-19.03	-17.84/-12.75	-15/-16.16	-14.06/-12.66	-11.16/-14.14	-9.26/-14.42	-15.02/-18.4	-15.31/-18.38	-18.64/-14.93	
Θ(112.5°)	-17.54/-14.05	-18.41/-17.55	-17.53/-18.33	-18.08/-18.15	-15.91/-16.11	-14.84/-11.9	-12.59/-19.63	-18.21/-18.04	-17.92/-17.41	-11.91/-14.48	-15.75/-12.53	-18.4/-18.31	-17.49/-12.88	-11.19/-14.77	-17.88/-13.82	-18.98/-18.24	-13.29/-12.71	-14.95/-11.64	-13.28/-11.81	-12.32/-10.33	-11.17/-14.16	-16.99/-18.53	-18.36/-15.42	-17.88/-15.83
Θ(120°)	-17.45/-15.98	-17.33/-18.14	-18.23/-18.35	-18.67/-18.4	-16.98/-15.57	-17.7/-15.29	-14.43/-17.98	-18.34/-16.28	-17.57/-19.12	-13.63/-9.62	-17.8/-12.86	-10.95/-16.2	-18.19/-19.02	-16.88/-13.72	-12.94/-17.99	-18.01/-15.59	-11.9/-19.04	-14.11/-19.19	-12.31/-16.08	-14.65/-18.9	-14.66/-11.06	-15.69/-18.13	-18.3/-14	-18.99/-14.13
Θ(127.5°)	-16.42/-18.24	-18.19/-17.36	-17.54/-18.59	-18.19/-18.44	-18.95/-18.56	-16.45/-15.65	-15.36/-15.56	-18.66/-19.42	-18.54/-18.47	-18.67/-12.44	-11.85/-14.89	-15.48/-15.52	-11.82/-18.44	-14.91/-11.96	-11.92/-16.06	-18.3/-18.21	-18.97/-16.44	-16.03/-15.5	-9.88/-10.81	-12.18/-19.15	-14.98/-14.7	-12.92/-16.42	-14.62/-13.53	-14.94/-16
Θ(135°)	-15.97/-18.49	-17.28/-17.35	-18.36/-17.22	-19.39/-19.46	-19/-17.96	-19.32/-15.23	-15.61/-16.2	-16.54/-16.11	-18.88/-17.76	-18.94/-18.75	-17.7/-12.84	-14.57/-16.24	-18.01/-17.89	-11.58/-17.67	-18.67/-18.75	-18.13/-17.53	-18/-17.52	-19.03/-16.55	-18.36/-15.53	-15.22/-14.14	-17.69/-14.99	-9.93/-13	-10.47/-12.95	-17.73/-14.19
Θ(142.5°)	-18.12/-18.37	-17.54/-19.12	-17.03/-18.92	-17.76/-17.99	-19.24/-19.35	-18.28/-14.56	-11.61/-14.6	-17.66/-15.52	-13.56/-18.02	-18.23/-18.29	-17.83/-17.74	-18.19/-15.65	-13.66/-11.86	-11.93/-16.17	-13.29/-14.65	-18.32/-16.72	-16.89/-17.53	-18.46/-13.57	-14.69/-18.51	-18.07/-14.35	-16.38/-14.92	-15.85/-9.86	-12.83/-16.16	-18.39/-17.94
Θ(150°)	-17.57/-18.29	-18.17/-18.68	-17.68/-18.38	-16.28/-14.96	-15.81/-15.46	-15.86/-18.98	-15.99/-10.56	-12.87/-15.41	-12.59/-17.83	-15.38/-11.31	-12.25/-13.12	-10.86/-15.6	-13.16/-15.41	-18.77/-18.69	-17.71/-18.2	-19.31/-19.4	-17.5/-18.45	-17.3/-11.78	-13.89/-10.44	-8.56/-10.22	-13.74/-10.41	-13.4/-12.82	-17.21/-11.38	-12.09/-18.96
Θ(157.5°)	-14.84/-17.85	-17.27/-18.98	-18/-16.81	-15.77/-16.9	-19.06/-17.49	-18.68/-17.05	-18.35/-16.75	-11.44/-11.85	-13.98/-10.95	-9.34/-10.89	-17.42/-13.59	-12.12/-18.73	-16.99/-12.47	-15.99/-18.85	-17.74/-14.02	-11.98/-13.76	-17.37/-14.68	-9.41/-10.31	-13.05/-9.19	-7.6/-9.36	-10.4/-9.39	-11.01/-12.66	-16.05/-12.46	-13.24/-16.36
Θ(165°)	-13.32/-12.72	-13.26/-13.21	-12.44/-14.61	-16.13/-14.61	-16.88/-18.62	-18.98/-17.72	-12.86/-15.55	-10.89/-13.26	-14.27/-13.23	-12.03/-13.48	-18.93/-14.47	-13.44/-18.49	-18.18/-19	-18.19/-18.01	-17.8/-19.01	-18.57/-18.11	-14.69/-15.21	-17.64/-17.88	-10.99/-8.63	-8.58/-17.09	-15.04/-17.17	-15.04/-13.5	-15.9/-19.12	-14.36/-13.73
Θ(172.5°)	-15.35/-15.37	-18.15/-15.66	-14.12/-15.28	-16.63/-17	-18.59/-17.08	-19.26/-18.33	-12.76/-15.13	-18/-18.06	-18.29/-16.26	-14.99/-13.57	-13.01/-14.45	-16.66/-18.9	-17.54/-18.28	-17.61/-17.91	-18.17/-17.36	-17.53/-19.84	-19.09/-18.83	-18.39/-18.81	-19.8/-17.4	-17.47/-17.71	-18.4/-19.3	-18.09/-18.34	-18.8/-19.58	-16.02/-15.33
Θ(180°)	-18.46/-17.96	-18.19/-19.58	-18.17/-18.28	-18.52/-17.56	-17.99/-18.11	-18.34/-18.67	-17.39/-16.67	-14.07/-14.32	-16.01/-16.41	-15.22/-14.01	-16.19/-18.17	-17.85/-18.85	-15.15/-14.86	-15.72/-15.28	-16.98/-17.3	-16.8/-18.28	-18.73/-18.58	-19.24/-18.88	-17.28/-18.24	-18.49/-19.17	-18.39/-18.65	-19.79/-18.98	-18.02/-16.74	-14.91/-13.77
Freq(Hz)	5.785GPol.	ThetaAnt.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	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°)	-0.61/-1.04	-1.74/-1.99	-2.64/-3.54	-4.3/-5.96	-7.91/-8.57	-9.78/-11.4	-11.57/-10.88	-8.55/-6.68	-5.52/-4.5	-3.47/-2.71	2.5/-1.97	1.53/-1.52	-1.66/-1.84	2.32/-3	-3.84/-4.49	-5.32/-6.78	-7.85/-9.75	-12.56/-13.49	-13.34/-12.14	-10.44/-8.35	-6.37/-5.1	4.11/-3.12	2.11/-1.45	-0.92/-0.56
Θ(7.5°)	-3.14/-3.17	-3.83/-4.8	-4.71/-5	-6.39/-7.18	-8.09/-8.85	-10.74/-13.3	-12.58/-14.66	-12.39/-5.55	-7.28/-5.62	-3.79/-2.63	-1.81/-1.14	-0.57/-2.05	-0.54/-0.88	-1.47/-2.22	-3.23/-4.41	-5.34/-6.1	-7.35/-8.51	-10.22/-9.84	-9.06/-8.38	-7.06/-5.63	-4.52/-3.38	-2.88/-2.47	-2.09/-2.12	-2.36/-2.46
Θ(15°)	-6.06/-7.05	-8.41/-10.7	-13.38/-14.47	-13.54/-14.58	-14.22/-13.33	-13.99/-11.96	-11.42/-13.24	-15.61/-14.25	-11.44/-9.9	-5.52/-3.51	-2.56/-1.63	-1.05/-0.66	-0.70/-0.63	-0.88/-1.53	-2.43/-3.39	-3.83/-4.86	-6.18/-6.27	-5.83/-5.2	-4.67/-4.68	-5.06/-4.59	-4.83/-1.19	-2.21/-1.78	-1.74/-2.58	-4.29/-5.27
Θ(22.5°)	-6.04/-5.34	-5.63/-6.91	-8.86/-11.22	-15.27/-18.23	-18.04/-18.78	-15.77/-11.74	-11.56/-12.17	-12.38/-10.61	-7.17/-4.55	-2.98/-2.67	-3.67/-3.68	-3.11/-3.76	-5.54/-6.93	-7.41/-7	-5.41/-3.61	-2.32/-1.53	-2.26/-3.53	-3.63/-2.21	-0.330.29	0.01/-1.17	-3.04/-4.29	-3.35/-2.15	-1.56/-2.01	-3.41/-4.55
Θ(30°)	-3.3/-1.45	-1.1/-1.68	-3.39/-6.68	-10.97/-10.9	-12.8/-8.66	-6.51/-2.48	-4.83/-7.04	-13.74/-12.95	-6.63/-3.21	-1.3/-4.09	-1.85/-2.5	-2.51/-2.87	-4.26/-4.64	-6.65/-4.27	-2.2/-1.56	-1.080.07	0.24/-0.8	-1.85/-2.16	-1.67/-1.49	1.24/-1.27	-1.18/-3.9	-1.990.14	0.42/-1.32	-4.8/-5.29
Θ(37.5°)	-0.030.51	-0.17/-1.13	-2.85/-6.15	-8.79/-5.88	-3.63/-2.48	-3.52/-4.65	-1.78/-1.5	-3.94/-3.98	-2.89/-2.47	-1.72/-1.26	-3.26/-3.82	-5.47/-6.15	-6.3/-5.07	-5.88/-6.04	-3.81/-9.01	1.08/-1.25	2.28/-1.48	0.33/-0.58	-0.02/-1.82	0.21/-1.55	-0.22/-3.84	-5.09/-1.57		
Θ(45°)	0.770.48	-0.31/-0.63	-1.56/-2.14	-2.1/-1.59	0.120.46	-0.93/-2.61	-5.45/-1.65	0.23/-1.57	-0.22/-1.34	0.980.39	-2.14/-3.26	-3.49/-2.44	-1.46/-1.48	-2.79/-2.27	-0.92/-0.67	-0.08/-1.36	2.82/-51	0.93/-0.25	-0.27/-0.82	-2.160.59	1.03/-0.64	12.3	0.190.08	0.84/-1.6
Θ(52.5°)	0.27/-0.16	-0.78/-0.99	-1.07/-0.95	0.131.88	2.23/-1.65	1.37/-0.34	-1.32/-1.17	0.52/-0.35	1.43/-2.4	2.03/-0.43	-2.92/-3.68	-3.65/-1.85	-0.31/-0.69	-2.42/-0.97	0.370.9	1.692.66	0.57/-0.65	-1.52/-2.76	-3.16/-0.82	0.6/-0.26	0.93/-1.73	1.982.7	2.290.89	
Θ(60°)	0.14/-1.27	-2.33/-1.87	-1.52/-1.63	-0.94/-1.71	3.153.26	2.06/-0.42	2.322.22	-0.49 0.3	2.4/-0.6	-2.31/-2.57	-0.48/-1.12	-0.31/-0.08	-1.11/-2.14	0.21/-75	2.352.71	2.240.8	0.21/-1.67	-3.44/-4.57	-5.23/-2.74	-0.18/-0.34	0.371.93	3.142.6	1.22/-0.45	
Θ(67.5°)	-0.86/-2.71	-3.53/-2.39	-2.26/-0.96	-0.44/-1.43	2.913.47	2.45/-0.65	-1.14/-1.7	2.54/-2.46	-0.142.97	1.14/-1.68	-0.68/-1.94	-3.35/-0.49	1.04/-1.08	1.46/-1.83	2.25/-1.67	1.212.86	2.870.12	-1.41/-1.48	-3.12/-4.09	-5.6/-3.42	-0.87/-0.7	-0.16/-1.5	2.910.82	0.81/-0.49
Θ(75°)	-0.34/-1.33	-3.11/-4.2	-2.95/-4.7	-0.86/-1.2	2.892.7	2.54/-0.39	-0.94/-1.83	1.63/-1.42	0.65/-1.9	0.78/-0.47	-0.26/-2.37	-5.14/-1.79	0.92/-1.43	2.522.67	3.170.45	-1.452.09	3.42/-1.23	-2.12/-1.41	-2.54/-3.33	-6.78/-5.2	-1.43/-1.52	-1.27/-1.03	1.840.33	0.83/-1.3
Θ(82.5°)	-0.8/-2.32	-4/-5.47	-4.33/-0.99	-0.760.71	2.57/-1.63	1.95/-1.17	-1.18/-1.97	0.71/-1.44	0.520.42	-0.14/-1.09	-0.85/-4.51	-6.74/-1.15	1.08/-1.77	2.472.08	1.61/-3.68	-4.33/-1.67	3.38/-1.31	-3.45/-1.03	-1.35/-3.41	-7.5/-5.43	-2.38/-2.17	-0.02/-0.21	0.72/-0.16	0.48/-2.01
Θ(90°)	-3.52/-2.37	-4.07/-5.52	-5.45/-2.87	-2.1/-36	0.961.09	1.11/-1.34	-2.13/-1.08	-0.27/-3.62	-0.370.58	-2.06/-3.07	-1.73/-5.26	-10.57/-6.86	-1.98/-0.71	0.33/-0.64	-0.31/-3.98	-4.68/-0.97	1.810.71	-4.58/-3.53	-0.68/-2.07	-8.6/-6.59	-4.85/-3.33	-3.72/-2.28	-0.61/-0.83	-0.25/-2.61
Θ(97.5°)	-6.14/-2.7	-3.8/-6.09	-6.04/-3.63	-3.27/-2.41	-0.290.4	0.15/-2.8	-2.59/-3.66	-3.22/-3.94	-1.87/-0.63	-2.98/-5.62	-3.67/-8.04	-13.93/-9.12	-5.48/-4.16	-1.05/-1.6	-2.18/-5.01	-5.67/-2.82	-1.06/-1.19	-4.28/-5.59	-3.39/-2.14	-11.02/-9.96	-7.35/-3.96	-5.57/-3.47	-1.67/-2.61	-2.5/-2.91
Θ(105°)	-7.49/-5.64	-5.47/-5.78	-6.07/-5.08	-5.23/-2.08	-2.62/-1.03	-0.98/-4.25	-3.06/-2.33	-3.57/-4.37	-3.23/-2.01	-5.38/-5.62	-4.84/-5.89	-10.25/-6.68	-6.5/-9.99	-4.31/-3.28	-3.44/-9.06	-12.78/-9.16	-4.57/-3.21	-7.25/-6.48	-5.73/-4.43	-10.38/-9.2	-11.83/-4.28	-7.41/-3.72	-3.55/-3.5	-3.91/-4.83
Θ(112.5°)	-12.79/-8.12	-14.78/-7.27	-9.62/-9.12	-6.97/-4	-2.14/-2.92	-6.95/-3.48	-4.92/-2.92	-4.25/-2.68	-4.72/-3.24	-9.79/-9.48	-5.97/-7.78	-6.65/-6.58	-9.71/-8.59	-4.5/-5.79	-11.10/-8.02	-12.92/-11.2	-10.33/-5.93	-15.56/-13.61	-13.04/-7.67	-8.78/-1				



Radiated Composite Gain Data_Scanning Radio 5_2.4GHz, 5GHz UNII 1~4, 6GHz and Radio 6 Bluetooth

Appendix G

Θ(112.5°)	-14.96/-12.76	-14.27/-17.64	-17.83/-18.47	-18.04/-18.52	-18.94/-11.05	-10.88/-16.56	-17.38/-15.32	-14.64/-17.35	-17.05/-14.09	-7.24/-9.94	-19.15/-12.32	-13.93/-17.8	-12.83/-11.32	-12.68/-11.38	-18.24/-11.94	-17.76/-18.42	-10.55/-18.12	-17.3/-8.12	-9.84/-19.24	-11.83/-15.41	-14.71/-17.29	-11.63/-11.86	-14.03/-19.04	-11.89/-18.77
Θ(120°)	-17.73/-13.46	-17.75/-19.08	-18.69/-18.61	-18.91/-18.1	-18.89/-14.47	-14.52/-17.66	-18.85/-16.27	-18.53/-17.67	-17.58/-13.46	-13.16/-7.75	-9.23/-16.86	-18.55/-18.16	-18.33/-17.97	-15.91/-11.76	-10.28/-14.56	-12.84/-16.51	-8.86/-18.01	-16.53/-13.17	-15.32/-16.72	-14.9/-17.75	-13.11/-18.86	-18/-12.01	-14.53/-16.26	-14.56/-18.31
Θ(127.5°)	-17.23/-16.45	-16.78/-19.07	-18.68/-18.05	-17.68/-18.63	-17.35/-16.73	-18.11/-18.1	-19.18/-18.49	-18.44/-17.54	-10.92/-17.36	-13.06/-9.7	-8.2/-11.07	-16.47/-18.76	-16.23/-14.71	-16.73/-18.96	-3.97/-17.56	-16.86/-18.42	-11.65/-15.02	-17.94/-18.71	-10.51/-16.68	-14.46/-17.63	-17.18/-17.89	-16/-11.41	-14.51/-16.23	-17.04/-15.12
Θ(135°)	-18.98/-17.93	-18.28/-18.37	-16.61/-17.9	-18.05/-18.97	-18.47/-16.15	-18.13/-18.85	-18.38/-17.97	-18.13/-18.01	-18.48/-18.96	-18.19/-18.08	-13.9/-9.86	-11.37/-16.69	-17.95/-13.82	-14.45/-18.07	-17.98/-17.2	-16.46/-16.84	-18.87/-16.75	-17.56/-18.22	-18.71/-13.14	-17.88/-14.38	-18.8/-17.96	-16.29/-11.74	-17.96/-17.58	-13.25/-15.22
Θ(142.5°)	-17.89/-19.27	-16.48/-18.79	-18.5/-18.11	-17.45/-18.95	-18.34/-13.88	-15.85/-17.9	-19.1/-11.87	-17.37/-16.77	-14.96/-15.17	-17.12/-17.7	-14.07/-13.74	-18.79/-13.78	-13.37/-13.72	-10.3/-10.87	-11.82/-13.66	-18/-12.64	-13.38/-17.9	-17.92/-15.69	-17.56/-16.81	-18.96/-12.92	-17.38/-18.07	-18.96/-19.1	-17.9/-13.72	-18.33/-13.1
Θ(150°)	-15.4/-18.69	-16.5/-17.71	-19.11/-18.74	-17.43/-16.22	-13.13/-13.97	-17.91/-11.05	-10.75/-11.57	-9.56/-14.58	-14.51/-10.84	-18.64/-11.55	-12.61/-13.78	-11.61/-10.04	-17.74/-10.73	-17.61/-17.3	-19.01/-18.76	-15.45/-16.37	-18.5/-18.56	-16.32/-13.56	-10.83/-8.33	-10.18/-15.73	-15.51/-15.65	-18.15/-16.75	-13.77/-18.52	-17.96/-14.31
Θ(157.5°)	-18.55/-15.46	-18.67/-18.44	-18.19/-18.64	-16.59/-15.84	-18.55/-16.24	-13.86/-10.31	-10.88/-15.42	-11.96/-12.76	-13.83/-15.44	-10.09/-7.96	-10.85/-18.43	-10.77/-13.95	-18.85/-11.28	-10.25/-17.92	-17.99/-12.48	-12.28/-18.56	-19.27/-15.83	-14.21/-19.21	-11.65/-7.92	-10.12/-11.43	-11.89/-18.9	-15.94/-15.54	-12.45/-14.83	-16.27/-18.4
Θ(165°)	-17.73/-18	-18.88/-16.48	-14.96/-15.56	-15.36/-18.2	-14/-12.71	-13.25/-14.74	-18.32/-16.2	-12.66/-13.04	-15.47/-18.86	-18.41/-13.96	-15.45/-18.24	-15.9/-14.31	-18.78/-17.8	-14.13/-17.47	-18.35/-17.96	-19.24/-17.9	-17.22/-18.38	-17.53/-13.34	-10.76/-12.97	-18.18/-19.53	-14.73/-15.25	-14.99/-18.1	-19.01/-18.36	-16.97/-19.17
Θ(172.5°)	-15.34/-17.53	-18.69/-18.19	-17.57/-18.06	-14.62/-13.65	-15.19/-15.86	-15.83/-18.12	-19.18/-18.35	-18.01/-16.82	-14.86/-15.6	-17.46/-18.17	-18.22/-18.21	-18.24/-19.25	-18.16/-18.68	-15.12/-16.99	-15.84/-17.67	-17.79/-18.68	-18.66/-18.57	-15.17/-14.79	-17.92/-17.24	-18.66/-18.14	-18.1/-19.22	-18.78/-18.09	-18.94/-18.46	
Θ(180°)	-17.47/-18.51	-18.55/-18.92	-18.38/-17.61	-19.07/-19.05	-18.78/-18.61	-17.55/-19.1	-19/-19.39	-17.75/-18.42	-18.71/-19.37	-17.59/-18.64	-18.35/-17.34	-18.69/-17.76	-18.21/-13.37	-13.81/-14.48	-13.52/-14.59	-17.6/-19.2	-17.58/-18.13	-18.61/-18.22	-19/-18.47	-18.31/-18.78	-17.68/-18.96	-17.53/-15.36	-13.77/-14.65	-15.29/-16.09
Freq(Hz)	6.175GPol.	ThetaAnt.1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	-4.41/-5.71	-6.09/-6.73	-8.3/-10.63	-14.79/-18.12	-19.28/-15.88	-10.57/-7.81	-6/-4.85	-3.33/-2.02	-1.38/-1.1	-1.03/-1.03	-1.29/-2.04	-3.16/-3.92	-4.37/-6.11	-8.56/-10.6	-11.71/-13.93	-18.03/-19.14	-18.54/-15.91	-13.24/-10.01	-8.8/-7.78	-6.87/-5.77	-4.46/-3.78	-3.74/-3.46	-2.73/-2.42	-2.8/-3.32
Θ(7.5°)	-5.89/-6.73	-8.73/-11.43	-12.74/-13.45	-15.87/-18.16	-18.46/-19.46	-16.49/-13.18	-11.46/-10.13	-8.4/-7	-5.74/-5.32	-4.71/-3.93	-3.43/-3.24	-3.15/-2.48	-2.2/-2.64	-4.04/-5.47	-6.11/-7.86	-11.82/-12.97	-11.42/-10.37	-7.41/-4.81	-3.35/-2.34	-1.47/-0.63	-0.08/-0.28	-0.78/-1.38	-1.76/-2.63	-3.74/-4.24
Θ(15°)	-4.41/-5.12	-5.69/-5.83	-7.26/-7.69	-8.56/-11.77	-16.28/-18.66	-19.07/-18.35	-15.5/-18.38	-18.6/-14.71	-9.67/-7.06	-5.44/-3.62	-2.59/-1.31	-0.82/-0.54	-0.3/-0.65	-1.05/-1.68	-3.96/-6.17	-6.77/-7.06	-4.84/-2.94	-1.9/-2	-1.84/-1.12	-0.86/-0.77	-0.47/-0.26	-0.88/-1.49	-1.98/-3.08	-3.75/-4.13
Θ(22.5°)	-6.04/-4.62	-4.27/-5.01	-5.27/-6.01	-8.11/-10.13	-13.03/-19.35	-18.5/-18.63	-12.73/-10.32	-11.4/-18.04	-16.25/-7.89	-4.6/-2.87	-2.14/-2.45	-3.48/-3.45	-3.34/-3	-2.98/-2.75	-1.93/-1.82	-3.23/-4.28	-4.6/-3.14	-0.74/-1.26	1.51/0.7	-0.61/-2.02	-2.19/-1.05	-0.37/-0.53	-1.39/-3.3	-5.58/-6.46
Θ(30°)	-1.72/-2.36	-2.86/-4	-8.19/-11.26	-15.24/-15.07	-10.56/-8.69	-8.59/-8.08	-6.93/-4.5	-4.6/-18.2	-10.92/-6.71	-3.99/-2.12	-1.38/-2.32	-5.21/-4.81	-5.01/-6.26	-8.26/-7.05	-3.97/-2.61	-3.29/-3.35	-2.45/-2.31	-2.94/-2.42	-1.8/-0.83	-0.05/-0.96	-2.49/-1.01	0.68/0.14	-1.71/-6.41	-6.43/-4.31
Θ(37.5°)	0.4/0.41	-0.69/-3.65	-5.88/-6.21	-7.46/-15.82	-18.25/-8.52	-5.64/-8.28	-7.45/-5.31	-3.67/-2.54	-2.93/-1.04	-2.51/-2.78	-1.87/-6.38	-5.51/-4.95	-9.05/-9.28	-5.56/-3.89	-2.99/-5.05	0.85/0.14	-0.66/-2.05	-2.38/-2.4	-3.08/-4.45	-1.65/-1.03	-0.67/-1.07	1.41/-0.21	-2.05/-2.79	-1.03/-0.21
Θ(45°)	-0.21/-0.04	-1.27/-2.2	-3.35/-4.41	-4.5/-6.65	-6/-2.75	-0.88/0.41	-2.82/-4.33	-1.98/-1.04	-2.39/0.26	-0.04/-3.79	-2.67/-3.94	-5.41/-3.35	-3.19/-3.81	-6.78/-5.89	-2.52/-0.3	-0.41/-0.44	0.28/0.36	-2.78/-3.95	4.43/-7.31	-1.51/0.05	-0.91/27	2.41/2.35	1.79/-0.15	-0.96/-0.89
Θ(52.5°)	-1.2/-1.78	-1.2/-0.27	-0.19/-2.34	-4.99/-2.64	-0.94/0.62	2.67/2.32	0.54/0.09	-0.171/-159	-0.97/-0.49	1.35/-1.65	-4.08/-6.51	-3.85/-0.26	0.91/-0.89	-2.74/-2.3	-1.08/-0.4	1.71/1.41	2.25/2.23	-1.16/-4.4	-4.78/-4.62	-0.26/-1.39	0.68/2.36	2.82/2.97	2.49/-1.23	-2.06/-0.52
Θ(60°)	-3.89/-2.71	1.01/1.35	0.64/-1.53	-0.35/-1.38	1.51/2.89	2.79/-4.99	1.59/1.75	2.15/-0.27	3.15/-0.91	-5.72/-4.5	-4.02/-9.5	2.05/-1.22	-1.75/-3.39	-2.1/0.2	2.61/2.25	1.01/1.66	0.39/-0.58	-6.64/-6.1	-1.41/-1.37	1.47/-3.29	1.25/2.84	2.69/-1.01	-0.66/-1.47	
Θ(67.5°)	-6.02/-0.93	-0.06/-0.94	-1.05/-0.71	-2.15/-0.44	1.71/1.11	2.82/3.15	1.2/0.47	1.77/0.86	3.81/1.61	3.86/-0.73	-2.91/-2.35	-3.85/-1.5	3.44/-1.5	0.6/-0.41	0.31/0.47	2.11/2.73	1.67/0.8	-0.41/-4.33	-5.66/-8.68	-0.97/1.3	1.79/2.24	-0.31/2.59	2.37/-0.65	-1.44/-5.52
Θ(75°)	-4.94/-0.53	-1.3/-3.61	-0.52/0.14	-2.82/-1.24	-0.08/2.14	2.05/-8.9	1.25/-0.6	0.87/0.64	3.12/2.91	3.12/-1	-1.8/-1.79	-3.55/0.72	3.53/2.7	2.37/-1.32	0.5/-0.19	-0.01/3.37	3.21/-5.8	-0.93/-2.04	-1.82/-4.8	-2.64/-0.53	1.71/1.03	-1.05/-2.14	1.68/-0.83	-3.23/-2.12
Θ(82.5°)	-4.17/-2.83	-3.46/-2.85	0.34/0.77	-0.34/0.64	-0.89/1.57	1.01/2.23	0.0/-6.5	0.04/-2.82	1.84/2.75	1.25/-1.89	-1.71/-2.32	-3.64/2.01	2.2/0.27	2.31/-15	0.63/-3.95	-2.69/-3.96	3.81/7.9	-3.12/-1.36	0.45/-1.26	-2.56/-1.58	0.22/-1.78	-0.79/2.1	-0.14/-1.46	-4.59/-4.14
Θ(90°)	-4.87/-5.87	-6.77/-2.76	0.13/-1.26	-2.18/-1.78	-2.22/0.31	-0.34/0.76	-1.89/-1.48	-0.96/-2.27	0.23/1	-0.16/-3.18	-3.98/-4.66	-6.14/-0.52	0.54/-2.61	0.38/-0.68	-0.59/-4.57	-7.79/2.04	3.64/0.79	-4.34/-3.83	0.29/-0.93	-3/-2.74	-3.26/-5.21	-0.32/0.23	-1.06/-1.95	-4.99/-3.92
Θ(97.5°)	-4.94/-7.17	-9.05/-3.52	-0.75/-2.22	-2.84/-3.71	-2.74/-1.04	-1.41/-1.22	-2.63/-3.03	-1.05/-0.52	-1.64/-0.66	-2.72/-4.46	-5.99/-7.16	-7.17/-2.1	-1.73/-4.53	-2.47/-3.16	-3.24/-5.14	-7.87/-1.02	1.17/-1.93	-7.14/-5.63	-2.04/-3.31	-3.39/-6.5	-10.7/-7.64	-1.6/-0.94	-2.43/-2.38	-4.35/-4.79
Θ(105°)	-6.01/-8.59	-10.53/-5.04	-2.74/-2.23	-4.4/-7.9	-4.23/-1.82	-2.93/-1.5	-3.77/-3.28	-2.41/-7.23	-3.69/-1.81	-3.83/-6.02	-5.38/-9.45	-14.53/-5.68	-3.68/-4.63	-4.83/-5.17	-12.26/-4.5	-3.14/-3.96	-11.02/-9.15	-6.52/-8.42	-8.68/-8.8	-16.21/-9.42	-6.46/-2.86	-4.45/-3.91	-3.49/-4.77	
Θ(112.5°)	-5.39/-4.63	-10.05/-8.34	-7.44/-5.82	-4.98/-5.43	-4.21/-3.46	-3.81/-4.15	-5.51/-4.53	-5.41/-5.46	-7.9/-4.17	-4.69/-6.62	-4.92/-8.7	-14.24/-8.49	-4.21/-6.59	-5.25/-4.78	-5.73/-15.23	-15.55/-5.53	-5.71/-8.29	-13.92/-6.17	-7.24/-6.85	-13.6/-13.02	-12.52/-14.07	-8.48/-5.07	-7.01/-6.59	-4.38/-5.25
Θ(120°)	-4.66/-5.72	-9.47/-11.05	-8.06/-7.01	-6.92/-6.22	-5.64/-6.46	-6.87/-8.91	-7.03/-6.02	-6.41/-6.27	-1.01/-5.39	-5.08/-3.74	-8.64/-4.78	-11.89/-10.98	-9.16/-12.8	-10.33/-8.89	-5.95/-10.71	-8.05/-7.3	-4.84/-12.83	-18.23/-7.72	-9.84/-10.15	-18.34/-13.52	-10.52/-18.7	-12.3/-4.88	-5.71/-8.46	-8.08/-5.07
Θ(127.5°)	-6.89/-9.1	-10.19/-11.42	-10.18/-8.66	-9.04/-7.36	-5.31/-6.97	-7.53/-8.06	-6.23/-6.57	-8.97/-11.34	-7.21/-7.71	-7.73/-11.04	-8.96/-10.27	-14.16/-7.62	-7.33/-10.91	-11.69/-12.86	-6.52/-13.56	-10.06/-8.88	-7.83/-10.12	-19.03/-12.42	-16.99/-18.34	-17.42/-12.88	-19.61/-11.5	-9.56/-9.28	-11.15/-7.72	-6.45/-6.44
Θ(135°)	-11.55/-8.15	-8.22/-7.31	-8.27/-9.92	-8.81/-7.56	-6.12/-6.92	-8.67/-8.62	-9.16/-8.72	-10.21/-11.14	-12.41/-10.61	-6.98/-9.86	-17.66/-12.06	-10.6/-8.46	-6.8/-8.41	-8.74/-10.48	-8.65/-16.54	-15.78/-18.78	-16.89/-18.69	-12.56/-8.72	-17.55/-18.12	-14.41/-17.76	-17.14/-11.6	-11.33/-12.04	-9.41/-14.02	-7.77/-15.5
Θ(142.5°)	-10.97/-17.4	-7.83/-11.07	-13.12/-10.91	-8.81/-7.23	-7.14/-9.96	-8.51/-8.13	-8.31/-9.24	-13.59/-11.61	-18.28/-12.05	-8.73/-8.89	-13.7/-14.54	-16.11/-18.6	-18.58/-18.4	-17.6/-18.21	-11.48/-0.1	-11.64/-13.78	-13.02/-18.91	-16.56/-12.93	-15.62/-15.79	-10.58/-18.71	-14.02/-17.1	-17.87/-15.54	-10.28/-11.27	-12.14/-10.82
Θ(150°)	-14.1/-11.79	-12.66/-12.94	-12.59/-12.04	-9.23/-8.97	-9.71/-10.16	-10.81/-9.13	-8.5/-9.18	-12.85/-18.9	-13.64/-12.88	-18.77/-12.96	-12.82/-13.9	-18.89/-15.04	-12.42/-10.66	-15.3/-15.01	-11.45/-13.77	-19.18/-18.73	-17.92/-18.74	-19.22/-18.96	-18.19/-16.75	-18.76/-14.88	-11.48/-19.05	-18.02/-19.05	-14.49/-13.25	-11.09/-12.05
Θ(157.5°)	-10.73/-11.69	-11.97/-11.94	-12.22/-9.41	-9.14/-11.36	-10.66/-12.36	-11.1/-11.64	-16.25/-13.32	-13.87/-13.32	-16.25/-18.64	-19.43/-15.67	-18.52/-19.19	-17.32/-19.27	-18.11/-19.61	-16.38/-11.46										



Radiated Composite Gain Data_Scanning Radio 5_2.4GHz, 5GHz UNII 1~4, 6GHz and Radio 6 Bluetooth

Appendix G

Θ(157.5°)	-15.48/-19.16	-18.3/-18.34	-12.74/-11.64	-12.85/-13.59	-14.7/-16.57	-17.24/-13.32	-15.57/-18.27	-14.12/-11.55	-11.41/-11.72	-11.42/-13.43	-11.86/-13.75	-17.52/-15.96	-15.45/-14.39	-16.14/-19.18	-18.3/-19.1	-19.39/-18.72	-18.05/-13.57	-18.4/-12.81	-8.44/-10.57	-10.61/-9.8	-12.13/-12.15	-15.3/-12.43	-14.06/-12.34	-16.62/-18.57
Θ(165°)	-19.44/-15.29	-13.55/-12.39	-13.02/-12.31	-12.9/-17.23	-17.17/-18.42	-14.8/-14.58	-16.79/-15.14	-13.4/-12.44	-13.54/-14.09	-16.89/-17.43	-13.1/-14.28	-16.74/-19.07	-18.57/-16.91	-18.62/-18.59	-17.01/-14.4	-13.56/-16.42	-19.05/-18.29	-14.66/-13.46	-12.54/-15.46	-13.91/-11.98	-12.92/-15.31	-15.39/-11.68	-11.1/-10.78	-12.82/-13.95
Θ(172.5°)	-17.8/-17.66	-16.58/-17.1	-17.57/-17.31	-19.11/-17.83	-16.84/-14.19	-13.52/-13.42	-16.86/-18.15	-19.19/-19.05	-17.06/-16.67	-19.21/-17.5	-16.46/-18.9	-17.11/-18.93	-18.38/-19.25	-18.33/-19.56	-16.46/-15.65	-18.31/-17.9	-16.79/-17.83	-18.28/-17.54	-18.44/-18.14	-17.51/-17.52	-17.72/-17.89	-17.34/-18.93	-16.73/-12.84	-11.54/-12.45
Θ(180°)	-17.69/-17.63	-17.03/-18.59	-18.63/-18.32	-18.76/-18.1	-18.84/-18.04	-18.35/-19.04	-18.63/-18.01	-17.51/-19.23	-18.32/-18.38	-18.95/-18.21	-18.55/-17.88	-16.55/-17.26	-17.4/-17.43	-18.39/-18.91	-17.96/-18.81	-19.06/-18.36	-19.07/-17.98	-19.13/-18.54	-18.78/-19.34	-18.26/-18.81	-17.67/-17.56	-17.73/-17.84	-19.13/-17.78	-18.33/-19.47
Freq(Hz)	6.995GPol.	ThetaAnt.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°)	-5.44/-6	-7.23/-7.6	-7.62/-8.96	-8.66/-8.24	-8.86/-7.63	-6.54/-6.49	-5.94/-5.61	-4.9/-4.88	-4.98/-4.76	-4.36/-4.69	-4.59/-4.16	-4.38/-5.23	-5.78/-6.12	-6.74/-6.96	-7.59/-8.05	-7.67/-7.24	-6.34/-6.23	-5.67/-5.67	-5.46/-4.95	-4.41/-4.09	-3.95/-3.78	-3.89/-4.35	-4.92/-5.06	-4.95/-5.31
Θ(7.5°)	-4.35/-4.4	-5.02/-4.92	-5/-5.35	-5.37/-5.81	-6.34/-6.67	-7.21/-6.81	-6.03/-5.61	-5.69/-5.21	-4.89/-4.4	-4.26/-4.33	-4.52/-4.91	-5.45/-6.73	-7.44/-7.77	-7.93/-7.99	-6.97/-6.85	-6.23/-5.33	-4.41/-4.55	-4.31/-3.85	-4.33/-4.28	-3.92/-4.28	-4.54/-4.68	-4.6/-4.71	-4.56/-4.61	-4.76/-4.81
Θ(15°)	-2.83/-2.72	-2.05/-2.79	-3.73/-4.18	-5.61/-7.47	-9.22/-12.81	-15.9/-12.92	-9.18/-7.4	-6.48/-6.8	-7.14/-8.74	-10.02/-9.68	-9.37/-8.29	-6.86/-6.52	-6.66/-6.25	-6.31/-7.33	-6.94/-6.6	-6.52/-4.25	-2.79/-2.86	-3.35/-3.38	-4.14/-4.58	-2.91/-2.43	-2.79/-2.86	-3.46/-4.52	-4.99/-5.06	-3.95/-2.69
Θ(22.5°)	-4.44/-4.64	-5.86/-7.22	-8.46/-10.92	-12.34/-14.01	-14.55/-12.61	-9.99/-7.77	-6.29/-4.36	-3.01/-2.92	-3.77/-6.01	-9.87/-13.21	-10.26/-6.54	-4.68/-3.99	-3.4/-2.75	-2.45/-3.14	-4.56/-5.88	-7.63/-6.59	-2.81/-0.4	-0.52/-1.16	-3.94/-6.81	-6.14/-3.6	-2.27/-1.71	-3.22/-3.35	-7.04/-7.15	-5.33/-4.19
Θ(30°)	-4.68/-4.49	-5.8/-6.79	-6.57/-5.61	-6.06/-8.1	-14.38/-17.91	-13.36/-9.17	-7.66/-8	-6.28/-8.45	-5.53/-6.4	-7.28/-9.21	-7.54/-5.73	-5.15/-6.46	-6.67/-5.4	-5.66/-7.87	-7.93/-6.67	-6.69/-6.55	-5.15/-4.93	-3.89/-3.26	-2.94/-4.31	-5.37/-3.66	-2.35/-2.16	-4.44/-6.75	-5.57/-3.69	-4.08/-4.58
Θ(37.5°)	-7.3/-9.41	-8.25/-6.11	-6.01/-5.54	-6.62/-4.69	-6.98/-9.75	-7.95/-5.37	-2.1/-2.28	-6.1/-5.39	-7.03/-5.54	-1.99/-4.81	-6.82/-5.12	-5.88/-8.64	-10.42/-9.13	-8.39/-4.94	-5.07/-5.97	-5.03/-4.36	-2.35/-2.05	-3.49/-4.61	-3.85/-2.4	-0.01/-1.3	-3.59/-2.92	-3.76/-4.27	-4.88/-4.51	
Θ(45°)	-12.99/-7.24	-3.2/-1.57	-1.54/-2	-1.58/-0.94	-1.37/-2.17	-2.08/-1.71	-3.45/-2.98	-2.9/-3.15	-1.7/-3.56	-1.55/-2.69	-6.68/-5.95	-5.9/-7.4	-7.35/-7.27	-4.51/-3.02	-2.82/-1.95	-0.55/-0.39	-1.61/-1.68	-1.73/-3.61	-2.22/-0.46	0.31/-9.2	1.61/-0.21	0.48/-0.41	-3.72/-2.05	-3.52/-9.12
Θ(52.5°)	-2.79/-1.63	-1.63/-1.03	-0.490/-33	0.140/-0.1	-0.73/-0.71	-1.020/-95	-0.92/-4.13	-2.24/-1.13	1.54/-1.25	-1.54/-1.5	-3.76/-3.16	-3.14/-3.62	-2.86/-2.92	-1.88/-0.74	-0.92/-0.99	-1.250/-63	2.071/-38	-0.850/-16	0.71/-96	2.512/-92	2.38/-0.56	2.22/-0.4	0.7/-40	-6.33/-5.23
Θ(60°)	0.41/-1.99	-2.13/-0.13	0.810/-84	0.102/-82	-1.55/-0.12	-0.26/-0.73	-0.76/-3.32	-0.40/-22	0.591/-67	-0.54/-1.25	-3.57/-2.09	-0.59/-1.79	0.960/-23	-1.54/-0.63	-1.44/-0.29	0.820/-56	1.72/-16	0.230/-99	0.790/-95	2.22/-94	2.02/-2.33	2.69/-61	2.15/-1.9	-4.01/-0.51
Θ(67.5°)	0.38/-5.24	-4.99/-0.42	0.850/-92	1.340/-37	-2.540/-0.46	-0.69/-1.67	-4.34/-0.65	-0.360/-22	0.032/-75	0.48/-3.99	-4.680/-27	-0.60/-8	2.76/-1.17	0.510/-2	-0.810/-71	2.610/-99	1.130/-59	-0.2/-0.07	-2.5/-1.16	0.872/-66	0.27/-0.33	2.723/-8	1.94/-3.04	-1/-1.03
Θ(75°)	-1.02/-6.17	-3.94/-1.71	0.6/-0.4	0.690/-88	-0.160/-05	-2.79/-2.95	-5.03/-2.49	-0.99/-0.86	-0.16/-91	0.69/-5.41	-1.18/-2.13	2.342/-82	1.761/-24	0.69/-0.19	2.052/-33	3.110/-94	-1.380/-36	-2.01/-3.21	-0.960/-87	-1.45/-1	1.292/-66	0.75/-1.92	-0.430/-55	
Θ(82.5°)	-2.76/-5.93	-4.31/-2.16	-1.45/-1.52	-0.550/-83	0.810/-17	-2.87/-3.68	-3.32/-2.23	-2.08/-2.27	-1.870/-58	-0.52/-5.55	-1.91/-0.03	-5.92/-0.15	1.21/-68	1.750/-77	0.31/-1.32	-0.262/-68	4.310/-92	-3.20/-52	-0.06/-2.54	-0.73/-1.28	-4.49/-2.89	-0.370/-39	-1.27/-1.91	-0.64/-0.32
Θ(90°)	-4.09/-6.78	-4.33/-2.4	-2.09/-2.21	-1.570/-18	0.38/-0.98	-4.19/-6.76	-4.85/-3.36	-2.33/-8.33	-2.3/-0.23	-0.79/-5.26	-3.07/-2.2	-5.55/-3.54	-2.12/-0.28	0.85/-0.56	-0.87/-6.22	-5.33/-7.6	4.180/-36	-5.7/-0.81	0.99/-1.7	-2.42/-2.91	-6/-4.85	-2.9/-2.63	-2.95/-2.49	-1.31/-1.14
Θ(97.5°)	-5.06/-6.72	-5.54/-3.89	-3.75/-3.59	-2.73/-0.75	-1.16/-1.88	-8.84/-7.22	-7.39/-4	-3.98/-8.82	-4.47/-2.68	-3.38/-5.6	-4.16/-3.53	-8.03/-2.63	-3.65/-4.33	0.31/-2.63	-3.94/-10.3	-11.86/-14.5	1.95/-3.12	-9.51/-3.93	-0.9/-3.42	-6.32/-5.22	-7.37/-7.52	-4.98/-4.58	-4.76/-3.72	-2.54/-2.81
Θ(105°)	-8.2/-6.22	-5.11/-5.27	-4.94/-3.86	-3.47/-1.78	-1.39/-2.49	-5.57/-6.99	-6.67/-5.26	-5.13/-8.4	-8.25/-3.44	-4.87/-9.02	-9.87/-6.9	-6.96/-7.33	-5.31/-1.64	-6.01/-3.92	-6.36/-8.13	-12.55/-6.68	-5.2/-8.54	-18.18/-9.37	-5.66/-7.77	-10.44/-9.09	-16.87/-13.61	-10.76/-9.67	-7.4/-4.45	-4.4/-8.53
Θ(112.5°)	-7.57/-6.95	-6.64/-7.56	-5.1/-3.87	-4.02/-2.32	-2.07/-4.46	-7.56/-7.16	-8.48/-8.62	-4.43/-7.03	-11.13/-8.67	-7.78/-12	-14.46/-8.41	-10.83/-5.47	-7.28/-9.56	-7.45/-6.5	-4.67/-9.67	-12.21/-6.44	-8/-16.12	-15.63/-9.05	-5.31/-9.19	-12.47/-12.98	-5.71/-8.29	-6.51/-8.96	-7.85/-6.43	-6.48/-5.87
Θ(120°)	-8.35/-10.22	-9.76/-11.8	-7.9/-6.47	-4.94/-2.97	-5.96/-6.23	-7.71/-10.2	-8.98/-12.22	-4.69/-11.88	-6.89/-10.46	-10.04/-16.68	-14.56/-13.23	-12.35/-13.07	-7.2/-7.76	-8.4/-14.53	-15.76/-7.27	-4.95/-16.05	-17.98/-7.78	-14.61/-11.8	-15.45/-15.84	-11.27/-10.22	-11.61/-11.13	-10.47/-18.4	-7.89/-6.06	
Θ(127.5°)	-11.87/-12.75	-9.77/-12.3	-11.31/-11.14	-5.34/-5.13	-8.23/-7.9	-7.97/-9.56	-13.98/-11.47	-7.27/-7.33	-13.49/-12.47	-10.82/-19.08	-18.92/-18.7	-17.16/-18.41	-13.25/-14.44	-8.23/-10.96	-6.07/-10.67	-15.88/-17.38	-11.82/-16.2	-16.47/-8.11	-18.07/-14.98	-15.71/-10.23	-17.77/-17.68	-18.85/-13.47	-10.33/-10.72	-7.56/-10.37
Θ(135°)	-10.31/-11.72	-9.25/-10.16	-14.61/-8.89	-6.13/-6.12	-6.22/-6.14	-7.66/-11.45	-18.15/-11.3	-9/-10.38	-13.53/-14.86	-13.77/-13.71	-18.18/-13.27	-18.42/-8.52	-12.4/-16.28	-13.63/-13.24	-7.5/-15.43	-14.58/-12.61	-16.58/-19.39	-12.89/-8.37	-14.16/-11.46	-17.86/-12.26	-17.65/-17.89	-9.64/-9.3	-11.26/-10.2	-10.41/-9.92
Θ(142.5°)	-15.4/-15.26	-11.51/-12.7	-10.21/-8.18	-8.62/-9.1	-7.04/-6.87	-8.31/-13.9	-18.23/-10.9	-9.25/-8.43	-9.38/-16.44	-16.23/-9.94	-15.9/-18.28	-17.21/-16.52	-12.91/-17.33	-18.18/-13.55	-8.36/-11.32	-15.33/-16.3	-17.74/-17.27	-10.76/-11.92	-13.65/-11.3	-11.85/-17.37	-17.95/-13.07	-14.76/-12.66	-12.19/-4.7	-7.35/-11.64
Θ(150°)	-18.5/-19.24	-17.12/-17.72	-13.76/-13.86	-12.67/-12.76	-9.08/-9.31	-11.59/-11.98	-14.66/-14.21	-18.65/-14.15	-12.59/-14.44	-15.58/-19.19	-17.33/-18.58	-16.98/-16.66	-12.96/-14.13	-17.72/-14.52	-10.91/-10.47	-16.33/-18.95	-18.38/-19.09	-16.93/-15.29	-17.12/-18.2	-17.41/-14.56	-16.87/-13.61	-15.66/-17.96	-15.10/-64	-11.48/-10.53
Θ(157.5°)	-13.95/-13.99	-14.03/-13.26	-15.91/-17.89	-13.4/-8.54	-6.1/-9.71	-11.66/-17.96	-15.02/-11.55	-12.65/-16.7	-16.32/-17.23	-18.55/-17.6	-18.12/-17.77	-18.76/-18.8	-16.79/-18.16	-17.79/-12.1	-13.34/-19.25	-18.39/-18.54	-18.43/-18.09	-14.33/-13.97	-18.28/-18.09	-17.94/-18.12	-17.96/-16.56	-16.49/-18.28	-17.98/-14.72	-16.25/-16.58
Θ(165°)	-15.34/-15.7	-17.92/-18.72	-17.79/-18.63	-17.16/-12.76	-12.44/-12.45	-13.77/-17.68	-18.14/-17.89	-17.74/-18.4	-17.84/-13.43	-13.51/-17.67	-18.2/-18.47	-18.71/-18.98	-19.08/-14.13	-18.53/-18.98	-18.26/-18.8	-18.88/-16.5	-16.6/-18.54	-18.2/-17.82	-18.18/-18.73	-17.91/-16	-16.11/-18.94	-18.71/-18.9	-18.07/-18.85	-16.48/-16.93
Θ(172.5°)	-15.56/-17.1	-19.2/-18.19	-18.8/-18.66	-18.26/-16.2	-17.33/-18.54	-17.67/-18.2	-18.67/-17.69	-18.12/-19.04	-18.84/-18.66	-17.88/-14.42	-12.23/-12.57	-18.42/-18.75	-17.94/-18.27	-18.72/-17.78	-19.02/-16.22	-13.91/-12.26	-17.81/-18.26	-19.53/-17.54	-19.07/-15.45	-12.15/-11.08	-11.88/-14.85	-17.1/-16.57		
Θ(180°)	-17.8/-18.02	-17.85/-18.48	-19.15/-18.61	-18.55/-19.23	-17.23/-18.98	-18.29/-17.94	-16.53/-17.57	-19.12/-18.03	-17.82/-18.32	-18.01/-17.29	-17.93/-17.98	-17.96/-18.63	-19/-18.3	-18.46/-19.17	-18.46/-17.67	-17.86/-18.29	-17.87/-18.06	-18.31/-7.03	-17.01/-18.05	-19.1/-18.93	-17.76/-17.57	-18.82/-18	-19.13/-18.29	-18.05/-18.66
Freq(Hz)	6.995GPol.	PhiAnt.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	-0.96/-0.92	-1.62/-0.91	-0.86/-0.36	-4.01/-1.03	-0.79/-0.28	-0.86/-1.72	-1.86/-1.52	-1.46/-2.14	-2.84/-3.3	-3.7/-4.02	-4.34/-3.88	-3.24/-2.35	-1.38/-1.28	-1.130/-1	0.680/-26	0.120/-56	0.31/-0.23	-0.37/-0.19	-1.67/-2.38	-2.85/-3.84	-4.65/-5.25	-5.46/-5.9	-5.43/-4.49	-2.86/-1.91
Θ(7.5°)	-1.16/-6.96	-1.29/-1.09	-0.370/-43	0.37/-0.2	-0.04/-2.33	-0.49/-1.26	-2.63/-3.4	-2.93/-3.88	-5.46/-7.04	-7.34/-7.72														



Radiated Composite Gain Data_Scanning Radio 5_2.4GHz, 5GHz UNII 1~4, 6GHz and Radio 6 Bluetooth

Appendix G

Θ(7.5°)	-15.5/-16.05	-16.66/-17.81	-18.37/-16.87	-14.56/-12.56	-11.14/-10.14	-9.4/-8.6	-7.76/-6.97	-6.32/-5.88	-5.7/-5.83	-6.14/-6.2	-5.97/-5.83	-6/-6.5	-7.08/-6.46	-7.81/-8.43	-9.45/-10.61	-11.54/-11.68	-11.17/-10.42	-9.71/-9.09	-8.72/-7.49	-8.2/-7.93	-7.93/-8.36	-8.94/-9.43	-9.93/-10.92	-12.75/-14.76
Θ(15°)	-11.6/-11.93	-11.93/-14.1	-10.49/-9.78	-9.25/-8.65	-7.87/-7.09	-6.5/-5.92	-5.35/-4.72	-4.16/-3.79	-3.69/-3.95	-4.37/-4.44	-4.18/-3.95	-4.02/-4.36	-4.92/-5.45	-5.89/-6.28	-6.87/-7.59	-8.17/-8.31	-8.19/-7.98	-7.82/-7.7	-7.57/-7.44	-7.21/-7.07	-7.33/-8.1	-9.14/-10.02	-10.4/-10.63	-11.2/-12.05
Θ(22.5°)	-5.19/-4.71	-4.55/-4.62	-5.02/-5.66	-6.31/-6.44	-5.85/-5.2	-4.24/-3.56	-2.92/-2.33	-1.9/-1.73	-1.93/-2.58	-5.14/-4.25	-4.63/-4.74	-4.72/-4.75	-4.94/-5.29	-5.47/-5.36	-5.13/-5.01	-4.87/-4.71	-4.58/-4.59	-4.78/-4.92	-4.84/-4.75	-4.75/-4.86	-5.21/-5.87	-6.78/-7.63	-8.24/-8.11	-7.28/-6.22
Θ(30°)	-3.44/-2.69	-2.5/-2.9	-3.81/-5.02	-6.06/-6.14	-5.23/-3.95	-2.8/-1.9	-1.19/-0.65	-0.34/-0.36	-0.81/-1.86	-3.49/-5.42	-7.13/-7.63	-6.6/-5.02	-3.86/-3.32	-3.24/-3.33	-3.18/-2.74	-2.27/-1.75	-1.35/-1.19	-1.32/-1.62	-1.92/-2.25	-2.66/-2.99	-3.42/-1.47	-5.21/-6.47	-7.5/-7.5	-6.32/-4.56
Θ(37.5°)	-3.6/-3.07	-2.97/-3.48	-4.68/-6.06	-6.68/-5.83	-4.22/-2.57	-1.35/-0.48	0.09/0.41	0.5/0.26	-0.46/-1.77	-3.82/-6.72	-9.25/-8.89	-6.57/-4.16	-2.38/-1.37	-1.23/-1.47	-1.45/-1.1	-0.6/-0.03	0.5/0.71	0.47/-0.16	-1.04/-1.91	-2.53/-2.82	-3.04/-3.39	-3.96/-4.6	-5.1/-5.27	-5.09/-4.41
Θ(45°)	-2.85/-3.49	-3.96/-4.61	-5.93/-7.08	-6.68/-4.72	-2.42/-0.58	0.5/0.98	1.18/-1.23	1.11/0.57	-0.48/-2.18	-4.71/-7.98	-9.98/-8.62	-6.46/-4.47	-2.74/-1.4	-0.81/-0.69	-0.64/-0.52	-0.13/0.44	0.95/1.05	0.56/-0.42	-1.53/-2.36	-2.59/-2.16	-1.57/-1.34	-1.52/-1.63	-1.7/-1.89	-2.08/-2.72
Θ(52.5°)	-1.89/-3.18	-4.13/-4.92	-6.38/-7.84	-6.96/-4.08	-1.23/0.75	1.67/1.83	1.84/-1.51	1.35/0.69	-0.7/-2.82	-5.52/-8.11	-8.47/-6.78	-5.16/-3.82	-2.55/-1.5	-0.66/-0.29	-0.37/-0.53	-0.22/0.34	0.7/0.49	-0.2/-0.98	-1.54/-1.88	-1.72/-0.87	-0.15/-0.1	-0.42/-0.62	-0.68/-0.84	-0.98/-1.34
Θ(60°)	-2.09/-2.99	-3.83/-4.71	-6.59/-9.3	-9.08/-5.24	-2.01/0.21	1.3/-1.43	1.1/0.97	1.07/0.71	-0.55/-2.53	-4.94/-7.02	-8.28/-8.24	-7.59/-6.43	-4.62/-2.81	-1.56/-1.14	-1.37/-1.54	-0.97/-0.25	0.02/-0.36	-0.96/-1.45	-1.82/-1.28	-1.74/-0.6	0.09/-0.03	-0.59/-1.08	-1.37/-1.65	-1.69/-1.5
Θ(67.5°)	-3.12/-3.34	-3.6/-4.39	-6.43/-9.39	-9.47/-5.81	-3.15/-1.18	-0.07/0.03	-0.49/-0.61	-0.15/-0.15	-1.09/-2.81	-4.74/-6.33	-7.36/-7.48	-6.7/-5.6	-4.56/-3.42	-2.28/-1.83	-2.05/-1.94	-1.3/-0.79	-0.84/-1.44	-2.33/-2.91	-2.99/-2.67	-1.54/-0.17	0.47/0.17	-0.75/-1.73	-2.56/-3.25	-3.46/-2.95
Θ(75°)	-5.84/-5.8	-5.36/-5.82	-8.11/-11.08	-10.89/-7.1	-5.12/-3.52	-1.83/-1.33	-1.76/-2.13	-1.86/-1.62	-2.07/-3.36	-4.97/-5.83	-5.94/-5.59	-6.33/-5.04	-4.55/-3.96	-2.97/-2.42	-2.29/-2.19	-2.22/-2.29	-2.23/-2.65	-3.78/-3.82	-3.11/-2.46	-1.28/-0.16	-0.01/-0.92	-2.34/-3.72	4.96/-5.76	-5.88/-4.74
Θ(82.5°)	-8.24/-9.2	-9.44/-9.16	-11.33/-13.46	-11.77/8.25	-7.69/-7.21	-4.44/-3.08	-2.86/-2.8	-2.49/-2.19	-2.44/-3.78	-5.6/-5.93	-5.33/-4.61	-4.09/-3.98	-4.72/-4.59	-3.12/-2.7	-2.93/-3.09	-3.62/-3.49	-2.89/-3.61	-4.88/-4.2	-3.25/-2.28	-1.1/-0.61	-1.36/-3.13	-5.24/-6.63	-7.68/-8.58	-8.03/-6.3
Θ(90°)	-8.91/-11.47	-13.25/-13.14	-15.14/-16.91	-11.24/-6.71	-6.11/8.73	-8.39/-6.73	-6.54/-4.43	-3.18/-2.29	-2.05/-3	-5.09/-6.73	-7.02/-6.86	-6.82/-6.48	-5.47/-4.47	-4.2/-4.58	-4.44/-12	-4.36/-3.99	-3.98/-5.65	-6.85/-4.99	-2.65/-0.94	-0.41/-0.73	-1.87/-3.97	-6.09/-6.62	-7.72/-10.4	-11.39/-10.2
Θ(97.5°)	-10.11/-12.65	-14.13/-13.25	-12.92/-19.05	-16.19/-7.62	-5.84/-7.3	-7.71/-7.38	-7.38/-6.31	-4.83/-3.6	-3.11/-3.8	-5.55/-6.35	-5.87/-5.55	-5.42/-4.87	-4.12/-3.88	-5.52/-6.4	-4.79/-4.65	-5.28/-5.65	-6.77/-7.58	-6.14/-3.43	-0.88/-0.17	-0.98/-1.96	-3.06/-4.34	-4.21/-3.54	-4.63/-7.95	-9.61/-9.81
Θ(105°)	-9.58/-11.43	-10.51/-7.52	-6.26/-8.3	-14.58/-8.9	-5.65/-6.67	-8.65/-8.8	-8.54/-7.03	-5.16/-3.71	-2.77/-7.28	-3.92/-5.26	-5.64/-5.53	-5.08/-5.44	-5.66/-7.21	-8.93/-7.2	-5.76/-5.89	-6.01/-7.3	-8.76/-7.05	-5.49/-2.9	-0.73/-0.89	-2.65/-3.95	-4.46/-4.21	-2.94/-1.81	-2.56/-6.41	-10.51/-11.01
Θ(122.5°)	-12.52/-14.15	-18.41/-11.59	-7.86/-8.64	-12.78/-8.06	-4.27/3.96	-5.69/-7.91	-9.65/-8.77	-6.24/-3.96	-2.49/-2.44	-3.71/-9.62	-5.01/-6.4	-6.83/-3.75	-4.67/-7.95	-10.06/-5.91	-4.83/-5.51	-7.51/-13.23	-9.13/-5.14	-4.12/-2.55	-1.56/-2.88	-6.4/-8.63	-7.21/-5.29	-3.05/-1.27	-1.37/-4.01	-7.62/-6.69
Θ(120°)	-7.24/-7.12	-8.97/-10.45	-8.3/-7.63	-10.23/-11.18	-6.32/-4.46	-5.07/-6.73	-7.93/-7.13	-5.19/-3.49	-2.49/-2.98	-5.44/-8.82	-9.71/-7.97	-6.19/-6.31	-8.34/-11.22	-10.22/-8.09	-7.83/-8.54	-10.69/-8.82	-4.64/-3.65	-5.08/-5.74	-5.23/-7.41	-13.84/-10.99	-7.02/-5.25	-3.71/-2.36	-2.27/-3.91	-5.94/-6.87
Θ(118°)	-11.3/-10.85	-11.19/-11.89	-10.37/-9.13	-9.84/-10.86	-7.95/-6.63	-5.69/-7.43	-6.24/-4.45	-3.75/-4.47	-6.87/-9.8	-9.83/-7.6	-10.23/-12.61	-9.37/-11.8	-9.35/-9.67	-5.68/-5.9	-8.27/-8.54	-6.38/-6.82	-9.09/-7.5	-6.26/-8.2	-14.55/-17.85	-11.79/-9.34	-8.05/-10.2	-7.1/-8.95	-12.02/-15.12	
Θ(135°)	-18/-16.83	-17.41/-13.99	-13.33/-12.04	-11.88/-13.35	-12.78/-10.47	-9.73/-10.89	-12.38/-11.55	-8.61/-0.75	-6.47/-8.84	-8.27/-10.46	-11.85/-11.16	-6.83/-12.51	-15.11/-14.29	-10.13/-7.57	-7.27/-9.79	-12.76/-8.28	-5.7/-5.95	-7.14/-68	-6.59/-8.39	-12.01/-13.25	-10.96/-9.35	-8.66/-8.26	-8.56/-10.2	-13.19/-14.65
Θ(142.5°)	-19.24/-18.89	-19.35/-16.26	-12.45/-10.29	-9.92/-11.34	-13.63/-14.39	-14.87/-17.42	-19.02/-18.11	-15.08/-11.89	-10.03/-9.22	-9.32/-9.82	-9.94/-10.11	-10.84/-11.56	-10.79/-8.61	-6.96/-6.65	-7.81/-9.71	-8.57/-6.2	-5.57/-6.77	-9/-10.49	-10.88/-10.98	-10.37/-9.44	-9.22/-9.64	-10.9/-9.63	-8.12/-9.47	-10.84/-12.85
Θ(150°)	-12.26/-12.75	-15.13/-18.75	-19.4/-12.36	-8.79/-9.32	-10.59/-13.41	-17.51/-18.83	-18.06/-18.18	-18.08/-15.5	-14.1/-13.35	-13.63/-14.48	-14.97/-14.66	-13.62/-11.88	-10.16/-8.73	-8.1/-8.52	-9.93/-11.56	-11.29/-10.32	-10.42/-11.71	-13.49/-14.64	-14.51/-13.19	-12.4/-13.14	-16.23/-14.27	-17.99/-15.02	-11.67/-9.93	-9.44/-9.98
Θ(157.5°)	-8.84/-9.28	-10.71/-14.52	-17.76/-17.96	-12.38/-10.01	-9.4/-10.4	-12.89/-16.77	-17.66/-17.89	-18.7/-17.55	-14.57/-12.81	-11.81/-11.77	-12.29/-12.2	-11.78/-11.74	-11.93/-10.53	-14.07/-17.15	-18.81/-18.55	-16.93/-16.52	-16.51/-15.42	-14.24/-14.1	-14.78/-15.28	-16.06/-18.52	-18.46/-16.21	-12.95/-11.12	-10.04/-9.27	-8.74/-6.69
Θ(165°)	-11.99/-12.71	-14.22/-16.75	-19.12/-18.32	-18.81/-16.48	-14.26/-13.72	-14.64/-16.4	-18.03/-18.67	-17.39/-18.44	-11.51/-15.29	-12.21/-10.28	-9.13/-8.34	-7.71/-7.51	-8.19/-9.83	-11.48/-12.36	-12.87/-13.86	-15.89/-16.63	-17.54/-18.54	-16.89/-16.26	-16.51/-15.96	-14.98/-14.55	-16.96/-12.89	-11.79/-11.25	-11.34/-11.65	-11.81/-11.94
Θ(172.5°)	-17.8/-19.29	-18.99/-17.97	-18.1/-18.79	-18.02/-18.96	-16.52/-18.58	-18.84/-17.69	-17.52/-18.75	-18.13/-17.87	-17.76/-19.08	-17.21/-14.85	-13.42/-12.76	-12.76/-13.25	-13.87/-13.78	-13.29/-13.32	-14.2/-15.96	-18.51/-18.84	-18.46/-18.48	-18.61/-18.24	-17.86/-15.55	-13.88/-12.94	-12.37/-12.16	-12.41/-13.34	-15.23/-18.56	-18.99/-18.41
Θ(180°)	-18.18/-18.75	-17.7/-18.37	-16.33/-17.33	-16.83/-17.51	-18.2/-18.8	-18.09/-19.01	-19.32/-18.81	-19.59/-17.26	-19.05/-19.03	-19.16/-18.48	-18.19/-18.18	-18.59/-18.78	-17.96/-17.33	-17.2/-17.18	-17.73/-17.53	-19.02/-18.62	-19.08/-17.84	-17.86/-18.37	-18.29/-17.31	-16.36/-15.75	-15.54/-16.1	-17.29/-18.84	-18.56/-17.41	-18.27/-17.7
Freq(Hz)	5.2GPol	PhiAnt.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)Φ(7.5°)	Φ(15°)Φ(22.5°)	Φ(30°)Φ(37.5°)	Φ(45°)Φ(52.5°)	Φ(60°)Φ(67.5°)	Φ(75°)Φ(82.5°)	Φ(90°)Φ(97.5°)	Φ(105°)Φ(112.5°)	Φ(120°)Φ(127.5°)	Φ(135°)Φ(142.5°)	Φ(150°)Φ(157.5°)	Φ(165°)Φ(172.5°)	Φ(180°)Φ(187.5°)	Φ(195°)Φ(202.5°)	Φ(210°)Φ(217.5°)	Φ(225°)Φ(232.5°)	Φ(240°)Φ(247.5°)	Φ(255°)Φ(262.5°)	Φ(270°)Φ(277.5°)	Φ(285°)Φ(292.5°)	Φ(300°)Φ(307.5°)	Φ(315°)Φ(322.5°)	Φ(330°)Φ(337.5°)	Φ(345°)Φ(352.5°)
Θ(0°)	-5.16/-0.41	-2.84/-2.33	-1.7/-1.3	-1.1/-0.81	-0.75/-1.07	-1.52/-2.06	-2.82/-3.97	-5.39/-7.1	-9.48/-13.32	-18.4/-17.93	-16.87/-11.86	-9.44/-7.78	-4.68/-3.27	-2.9/-2.02	-1.15/-0.99	-0.72/-1.07	-0.22/-0.46	-0.76/-1.51	-2.09/-3.19	-4.82/-6.14	-8.18/-11.45	-17.67/-18.27	-18.78/-12.32	-7.96/-5.98
Θ(7.5°)	-7.52/-6.35	-5.36/-4.63	-3.23/-2.13	-1.28/-0.69	-0.39/-0.41	-0.56/-1.04	-1.74/-2.49	-3.77/-5.18	-7.44/-11.51	-18.18/-17.38	-16.42/-10.53	-8.15/-5.6	-3.23/-1.86	-1.93/-1.8	-0.88/-0.57	-1.02/-1.29	-1.46/-1.55	-1.8/-2.8	-3.67/-5.06	-7.18/59	-10.31/-13.39	-18.72/-18.18	-17.25/-16.69	-10.5/-8.62
Θ(15°)	-12.15/-11.11	-11.31/-10.84	-8.57/-5.08	-2.44/-0.77	0.18/0.71	0.75/0.36	-0.29/-1.25	-2.69/-4.44	-7.56/-11.91	-15.4/-13.42	-11.08/-8.61	-7.07/-5.38	-3.49/-1.71	-0.83/-1.2	-1.39/-1.59	-2.27/-3.21	-3.62/-3.97	-3.89/-4.25	-4.57/-5.97	-9.03/-12.71	-15.62/-18.51	-17.97/-19.07	-18.53/-17.24	-18.11/-15.69
Θ(22.5°)	-18.68/-18.15	-15.13/-14.46	-12.62/-8.26	-4.72/-2.32	-1.12/-0.49	-0.46/-0.71	-1.21/-2.21	-3.78/-5.91	-10.34/-18.04	-18.73/-13.78	-9.14/-7.19	-5.45/-3.9	-2.65/-1.29	-0.14/-0.33	-0.86/-1.39	-2.32/-3.99	-6/-6.61	-5.38/-4.75	-4.53/-5.6	-7.58/-8.78	-10.68/-15.69	-18.28/-17.85	-18.78/-17.82	-18.29/-19.46
Θ(30°)	-9.77/-7.4	-7.94/-11.46	-17.95/-13.85	-8.61/-5.55	-4.09/-3.43	-3.18/-3.33	-3.94/-4.57	-5.26/-6.39	-8.27/-12.65	-18.4/-18.5	-10.92/-8.66	-7.98/-6.91	-5.25/-3.58	-1.67/-0.81	-1.65/-2.22	-1.95/-3.31	-7.3/-8.32	-7.08/-7.49	-7.55/-9.47	-11.6/-11.46	-10.28/-10.25	-11.95/-15.5	-18.96/-19.06	-18.25/-12.25
Θ(37.5°)	-8.53/-7.51	-8.61/-8.95	-10.51/-13.66	-11.5/-6.78	-4.22/-3.5	-3.9/-5.35	-7.07/-8.15	-7.59/-9.73	-9.24/-11.07	-15.46/-18.27	-15.49/-13.38	-12.19/-8.08	-5.94/-4.57	-4.26/-3.27	-2.57/-3.41	-2.65/-2.52	-3.44/-4.58	-5.34/-6.25	-6.01/-6.44	-7.07/-9.38	-15.68/-12.8	-10.37/-11.65	-17.05/-17.37	-17.36/-10.43
Θ(45°)	-18.02/-17.6	-8.12/-3.14	-3.62/-5.6	-4.97/-4.61	-4.17/-4.77	-6.08/-6.91	-8.54/-10.94	-10.83/-10.99	-12.78/-13.55	-15.69/-18.53	-12.75/-11.42	-12.56/-10.51	-8.76/-6.76	-3.87/-2.15	-2.15/-2.95	-3.02/-2.17	-2.09/-7.28	-2.7/-3.72	-2.94/-4.3	-6.3/-7.87	-14.94/-16.09	-16.29/-11.69	-13.29/-10.37	-12.26/-17.57
Θ(52.5°)	-13.41/-12.74	-8.47/-4.06	-5.08/-6.16	-5.28/-5.15	-6.01/-8.22	-11.03/-9.23	-8.02/-9.12	-9.07/-11.95	-19.23/-15.69	-16.89/-14.78	-12.1/-14.27	-17.93/-15.21	-9.49/-4.72	-2.22/-1.35	-1.95/-3.17	-7.3/-8.32	-7.08/-7.49	-7.55/-9.47	-11.6/-11.46	-10.28/-10.25	-11.95/-15.5	-18.96/-19.06	-18.25/-12.25	
Θ(60°)	-9.5/-11.08	-12.25/-8.36	-11.64/-17.58	-12.																				



Radiated Composite Gain Data_Scanning Radio 5_2.4GHz, 5GHz UNII 1~4, 6GHz

Appendix G

Θ(60°)	0.05/-0.71	-0.27/-0.36	0.54/-0.02	1.22/99	3.31/1.87	0.36/-0.26	-1.69/-5.8	-3.97/-0.98	2.37/2.45	0.32/-1.03	-4.49/-6.77	-2.61/-0.34	0.11/-1.18	-1.77/-1.74	-2.73/-2.95	-2.23/-1.24	-3.8/-4.89	-1.91/0.82	1.21/0.39	-0.88/-2.1	-5.01/-3.99	-3.23/-2.8	-3.23/-1.25	-1.23/-1.13
Θ(67.5°)	0.6/-0.33	0.39/0.17	0.7/0.63	2.463.69	3.41/1.15	0.19/0.9	0.1/-2.8	-2.41/-2.31	2.78/3.4	1.02/-0.24	-4.5/-5.29	-1.67/-1.2	-0.99/-0.91	-1.63/-2.02	-2.57/-2.51	-2.81/-0.8	-2.51/-4.45	-1.40.82	1.44/1.34	0.5/-0.66	-4.83/-3.37	-1.78/-3.13	-5/-2.07	-3/-2.38
Θ(75°)	-0.17/-0.81	-0.27/-0.76	-0.21/1.31	2.4814.17	2.42/-0.61	-0.81/1.06	1.01/-1.86	-1.62/-4.28	1.54/0.08	0.93/-0.84	-3.98/-5.07	-2.67/-0.51	0.07/-1.35	-1.1/-1.72	-3.42/-3.81	-2.87/-1.66	-2.72/-4.1	-1.07/0.82	1.77/2.25	1.07/-0.1	-3.72/-1.37	-0.41/-2.93	-5.48/-4	-4.89/-5.55
Θ(82.5°)	-2.88/-2.51	-0.67/-3.25	-2.57/1.1	2.59/3.57	0.35/-2.84	-1.97/0.28	0.66/-1.69	-1.85/-4.29	0.91/2.33	0.64/-1.12	-3.86/-3.82	-2.94/-0.65	-0.72/-1.8	-1.24/-1.11	-5.2/-4.32	-3.38/-3.77	-3.05/-4.67	-1.86/0.77	2.06/2.55	0.67/-0.54	-3.8/-0.42	0.03/-2.57	-5.84/-7.75	-7.8/-5.03
Θ(90°)	-6.26/-4.06	-2.25/-4.78	-3.85/-0.35	0.47/1.54	-1.74/-4.58	-3.29/-1.26	-0.62/-2.69	-2.78/-4.81	0.07/1.28	0.36/-1.83	-4.14/-3.46	-4.08/-1.04	-1.46/-2.07	-3.1/-1.95	-4.22/-6.86	-4.01/-4.46	-4.79/-4.78	-3.19/-0.38	0.93/1.29	-0.5/-2.35	-5.92/-1.64	-1.55/-3.49	-7.41/-8.83	-9.41/-10.85
Θ(97.5°)	-9.2/-6.1	-4.44/-6.65	-5.91/-2.3	0.65/1.83	-4.45/-6.65	-4.65/-2.85	-1.57/-4.05	-4.03/-5.81	-1.09/-0.25	-0.92/-2.99	-5.19/-3.31	-0.95/-1.97	-2.04/-3.62	-1.73/-2.99	-6.07/-5.9	-6.02/-7.84	-4.81/-1.64	-1.01/-1.51	-3.11/-5.55	-3.11/-5.55	-5.25/-6.33	-15.09/-9.86	-9.85/-15.06	
Θ(105°)	-8.88/-10.86	-10.57/-8.6	-7.97/-5.99	-6.99/-4.02	-7.25/-9.15	-6.54/-5.29	-3.78/-5.81	-5.58/-7.9	-2.29/-1.37	-1.7/-3.6	-5.49/-4.12	-4.62/-3.1	-3.88/-4.54	-4.48/-4.43	-6.56/-8.7	-6.87/-9.18	-6.5/-8.41	-7.33/-4.46	-3.77/-6.13	-7.49/-12.4	-9.53/-12.52	-10.61/-9.4	-17.79/-8.3	-13.52/-14.73
Θ(112.5°)	-8.66/-17.16	-15.43/-11.02	-9.85/-8	-4.66/-5.06	-8.51/-11.27	-7.13/-6.81	-6.73/-8.92	-7.54/-7.55	-2.81/-2.83	-3.11/-4.46	-6.98/-5.89	-5.89/-5.87	-5.18/-5.78	-5.63/-7.37	-7.65/-9.66	-8.93/-8.4	-8.72/-14.22	-7.15/-7.47	-6.56/-6.78	-8.75/-10.62	-11.57/-15.09	-12.37/-12.74	-16.64/-11.15	-16.92/-8.85
Θ(120°)	-12.09/-10.2	-14.75/-9.01	-5.86/-5.81	-5.28/-5.66	-7.66/-10.81	-8.86/-7.58	-9.73/-10.82	-8.58/-9.06	-5.09/-4.6	-6.81/-5.99	-8.7/-8.37	-8.40/-7.29	-6/-6.55	-4.94/-8.98	-11.02/-10.89	-17.05/-10.15	-9.19/-17.94	-10.61/-7.58	-6.89/-6.94	-8.84/-11.3	-10.73/-13.95	-9.68/-10.71	-10.86/-18.41	-17.85/-9.18
Θ(127.5°)	-17.91/-14.79	-13.79/-8.47	-7.84/-6.43	-10.12/-10.29	-12.89/-12.17	-10.06/-8.2	-11.14/-12.69	-11.71/-10.74	-6.96/-7.59	-11.52/-9.42	-12.75/-10.4	-8.43/-7.56	-6.61/-8.42	-5.88/-10.58	-10.56/-12.8	-12.26/-10.04	-11.05/-18.86	-13.95/-9.94	-8.16/-8.91	-9.72/-14.48	-14.43/-10.67	-15.32/-18.54	-15/-18.63	-15.36/-9.83
Θ(135°)	-17.96/-18.93	-9.63/-11.52	-11.35/-12.62	-13.15/-16.24	-17.85/-18.55	-17.09/-15.1	-17.06/-18.87	-14.88/-13.67	-9.98/-8.67	-12.52/-12.05	-10.93/-14.85	-11.94/-9.81	-10.13/-7.54	-8.73/-12.57	-7.89/-13.04	-13.85/-8.89	-10.37/-17.73	-18.35/-10.56	-14.51/-9.75	-13.54/-15.29	-13.4/-12.64	-16.55/-18.9	-18.87/-17.16	-17.62/-15.32
Θ(142.5°)	-19.82/-11.29	-9.82/-7.63	-11.1/-15.05	-11.58/-11.5	-13.93/-12.06	-12.97/-16.51	-18.94/-18.55	-17.32/-15.44	-13.09/-14.7	-16.21/-11.43	-10.26/-12.97	-12.45/-10.31	-9.98/-8.28	-9.06/-11.47	-11.11/-18.26	-16.54/-13	-18.58/-18.85	-18.75/-13.4	-14.08/-11.07	-17.11/-16.71	-14.91/-18.12	-13.57/-18.69	-16.87/-18.99	-17.27/-10.83
Θ(150°)	-16.65/-12.74	-14.75/-18.75	-16.59/-18.05	-19.36/-16.29	-12.97/-12.82	-12.56/-13.85	-18.44/-18.39	-17.08/-17.3	-16.89/-17.62	-19.31/-18.61	-13.9/-11.88	-11.52/-11.22	-10.26/-9.46	-9.11/-11	-13.47/-15.17	-17.26/-18.99	-15.77/-16.67	-17.52/-19.05	-16.33/-12.08	-14.49/-18.23	-18.34/-15.17	-12.39/-18.58	-18.1/-18.41	-18.6/-18.11
Θ(157.5°)	-17.54/-12.29	-13.54/-10.76	-18.73/-19.09	-18.34/-19.32	-18.27/-19.15	-18.45/-18.66	-17.36/-17.87	-18.35/-18.25	-18.97/-18.42	-18.54/-16.14	-13.52/-14.2	-14.35/-13.97	-10.4/-8.9	-11.83/-13.2	-10.81/-11.5	-12.75/-15.71	-17.84/-18.84	-17.3/-17.39	-19.02/-17.11	-18.84/-17.17	-17.84/-18.33	-15.68/-17.01	-18.2/-18.59	-17.82/-17.72
Θ(165°)	-18.53/-18.69	-19.11/-17.58	-18.9/-17.84	-15.69/-16.37	-17.18/-19.29	-19.17/-18.65	-18.78/-18.13	-18.98/-18.09	-18.97/-18.56	-17.51/-19.24	-18.79/-14.5	-12.7/-13.16	-15.38/-14.43	-17.4/-18.39	-16.84/-14.69	-14.55/-16.22	-18.07/-18.07	-19.43/-16.4	-18.42/-17.61	-14.37/-14.57	-15.66/-15.31	-15.67/-18.07	-17.86/-18.09	
Θ(172.5°)	-15.78/-14.75	-14.44/-13.44	-13.1/-15.39	-15.59/-16.33	-16.95/-17.5	-17.09/-17.89	-19.04/-19.12	-18.07/-18.99	-18.78/-18.94	-18.24/-16.79	-14.49/-14	-13.2/-11.33	-12.82/-14.97	-12.98/-12.45	-12.54/-10.81	-10.91/-12.12	-14.08/-15.43	-15.82/-15.81	-15.64/-15.74	-16.66/-18.03	-17.82/-17.63	-16.83/-15.95	-16.12/-14.96	-13.03/-12.89
Θ(180°)	-14.32/-15.02	-13.54/-13.24	-13.07/-13.06	-13.59/-15.03	-16.87/-18.57	-17.71/-17.69	-17.53/-17.91	-19.08/-18.52	-17.57/-15.35	-13.04/-12.05	-11.85/-12.25	-12.36/-10.99	-10.3/-10.54	-11.49/-12.1	-12.48/-13.57	-16.45/-16.55	-15.32/-15.07	-17.07/-17.96	-17.57/-17.98	-18.34/-18.29	-18.25/-15.63	-14.64/-13.94	-13.57/-13.52	-14.32/-15.44
Freq(Hz)	5.6GPol.	PhiAnt. 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	-6.64/-5.06	-3.96/-3.39	-2.89/-2.74	-2.65/-2.59	-2.24/-2.05	-2.01/-2.36	-2.74/-3.78	-4.79/-6.08	-7.41/-8.41	-10.27/-12.51	-14.46/-14.55	-12.54/-9.7	-7.48/-5.81	-4.83/-3.86	-2.6/-1.69	-1.34/-1.51	-1.98/-2.33	-2.81/-3.39	-3.82/-4.4	-5.34/-5.74	-7.31/-11.31	-17/-18.61	-17.45/-12.84	-10.89/-9.4
Θ(7.5°)	-9.52/-7.22	-5.58/-4.48	-3.79/-3.22	-2.59/-2.22	-1.82/-1.79	-1.64/-1.99	-2.71/-3.99	-4.97/-6.5	-8.21/-11.05	-15.4/-18.92	-18.69/-15.24	-9.79/-6.24	-4.1/-3.41	-3.68/-2.35	-1.03/-1.23	-1.86/-1.67	-1.26/-1.22	-2.05/-2.63	-2.92/-3.59	-4.14/-4.38	-5.47/-7.22	-10.32/-14.49	-13.64/-17.31	-15.66/-12.34
Θ(15°)	-10.31/-8.02	-7.38/-6.62	-5.84/-4.72	-2.91/-96	-1.71/-1.32	-1.58/-2.73	-4.21/-6.78	-9.55/-12.05	-13.87/-16.21	-17.22/-16.15	-14.23/-11.3	-8.47/-6.21	-4.44/-3.67	-3.51/-3.49	-3/-2.84	-3.68/-4.76	-5.45/-5.9	-6.16/-5.8	-5.53/-6.04	-6.36/-6.46	-7.46/-8.96	-9.81/-9.78	-11.79/-12.43	-11.58/-12.34
Θ(22.5°)	-17.83/-18.76	-19.13/-66	-8.13/-5.76	-4.63/-3.74	-2.99/-2.12	-2.21/-3.45	-6.15/-10.91	-12.87/-18.38	-16.52/-18.38	-19.27/-13.48	-16.23/-14.8	-12.25/-11.61	-11.38/-10.06	-7.48/-6.39	-5.74/-8.45	-4.92/-6.85	-10.27/-12.5	-11.97/-10.19	-10.24/-11.55	-9.52/-8.36	-7.87/-8.75	-11.34/-13.51	-11.95/-12.03	-17.82/-17.72
Θ(30°)	-10.58/-6.49	-6.12/-9.82	-17.55/-10.11	-8.85/-6.63	-6.27/-5.81	-6.19/-6.73	-7.75/-11.72	-18.22/-15.82	-9.84/-7.63	-8.39/-12.31	-18.26/-19.05	-18.73/-19.29	-11.13/-7.86	-6.61/-5.08	-4.95/-5.07	-3.96/-5.13	-10.93/-18.82	-15.59/-18.28	-18.35/-18.81	-18.09/-12.09	-10.07/-10.58	-12.54/-16.9	-16.71/-13.44	-13.98/-11.73
Θ(37.5°)	-4.82/-3.77	-5.48/-10.24	-13.18/-14.6	-13.96/-10.53	-8.16/-6.04	-6.99/-8.8	-9.06/-12.31	-18.94/-13.56	-7.94/-6.53	-8.43/-14.32	-18.37/-19.23	-18.08/-18.76	-9.87/-4.58	-4.18/-4.21	-3.93/-5.16	-5.17/-5.21	-9.96/-11.23	-7.45/-8.7	-10.68/-7.95	-10.42/-18.43	-18.3/-13.29	-10.81/-12.48	-18.72/-18.61	-19.05/-6.33
Θ(45°)	-6.67/-8.16	-8.6/-4.62	-5.12/-82	-3.78/-6.36	-7.96/-5.68	-5.76/-10.59	-17.36/-16.14	-17.15/-18.98	-11.05/-6.58	-7.99/-18.65	-16.04/-13.17	-16.34/-18.07	-12.77/-7.34	-5.07/-4.34	-2.82/-3.15	-5.64/-3.28	-4.68/-6.62	-9.07/-9.38	-6.84/-9.62	-9.47/-9.38	-11.47/-17.8	-10.51/-10.78	-12.12/-12.68	-9.75/-8.45
Θ(52.5°)	-15.34/-10.12	-5.58/-4.66	-4.85/-2.88	-3.41/-6.16	-10.33/-10.48	-9.97/-13.42	-19.16/-17.61	-18.73/-17.9	-18.24/-7.57	-6.87/-17.37	-14.11/-10.89	-10.72/-14.38	-14.62/-8.9	-5.37/-2.41	-1.58/-2.64	-4.46/-3.46	-2.79/-4.12	-5.71/-6.77	-5.17/-8.35	-8.06/-9.01	-14.61/-16.73	-14.01/-10.58	-9.9/-8.69	-5.73/-10.6
Θ(60°)	-9.24/-13.51	-8.49/-7.23	-14.04/-12.5	-9.9/-10.1	-11.45/-10.78	-15.75/-12.51	-11.43/-11.41	-16.12/-10.75	-15.23/-13.24	-7.57/-10.42	-13.22/-11.33	-8.59/-9.44	-13.86/-9.85	-5.22/-2.88	-2.61/-2.05	-3.88/-6.99	-3.18/-2.49	-5.82/-6.01	-4.83/-5.21	-6.83/-7.61	-14.07/-15.21	-14/-11.14	-8.05/-6.66	-5.13/-8.5
Θ(67.5°)	-7.83/-14.3	-18.01/-10.5	-10.04/-14.01	-6.1/-6.5	-8.36/-5.94	-7.44/-5.95	-9.04/-10.96	-7.69/-6.71	-1.05/-6.58	-8.73/-10.18	-9.85/-11.54	-6.28/-7.27	-6.12/-4.76	-4.29/-3.73	-5.16/-6.85	-4.68/-4.58	-3.46/-4.13	-7.08/-8.99	-14.26/-13.1	-12.05/-13.84	-11.66/-8.7	-6.35/-6.76		
Θ(75°)	-10.57/-13.47	-12.07/-8.24	-6.71/-8.13	-3.7/-3.21	-5.68/-6.54	-5.85/-7.97	-6.47/-4.69	-7.09/-9.52	-3.85/-3.68	-3.31/-5.23	-7.73/-8.82	-12.31/-14.3	-17.77/-10.92	-7.49/-7.58	-6.86/-6.67	-9.44/-12.48	-7.83/-6.12	-5.38/-4.76	-5.25/-6.05	-7.4/-11.14	-13.25/-13.57	-9.51/-13.5	-13.57/-10.87	-10.77/-7.38
Θ(82.5°)	-13.56/-13.23	-10.52/-8.65	-6.89/-8.85	-3.44/-3.65	-6.43/-7.42	-5.89/-8.34	-6.67/-8.51	-8.62/-7.84	-3.44/-4.39	-5.18/-7.28	-9.97/-8.72	-16.46/-16.99	-17.94/-16.92	-9.77/-9.32	-8.58/-12.73	-12.23/-16.58	-12.86/-7.09	-6.15/-5.88	-5.14/-6.54	-6.44/-12.04	-13.21/-11.93	-7.99/-12.69	-15.73/-10.41	-13.09/-8.94
Θ(90°)	-17.85/-14.54	-9.78/-12	-10.64/-8.88	-5.52/-6.8	-9.9/-12	-6.54/-9.98	-7.89/-7.69	-11.7/-8.81	-3.99/-3.84	-4.21/-6.32	-9.84/-8.2	-12.97/-18.22	-16.11/-18.05	-12.95/-10.48	-10.36/-13.26	-13.23/-17.75	-18.86/-13.97	-11.98/-6.53	-6.68/-9.57	-9.71/-13.95	-14.66/-13.91	-8.9/-13.82	-18.2/-12.24	-17.44/-10.02
Θ(97.5°)	-18.25/-13.25	-12.83/-15.22	-12.83/-9.4	-7.85/-11.55	-14.08/-10.7	-7.67/-10.3	-9.2/-10.48	-12.39/-7.06	-5.07/-4.96	-6.04/-8.4	-11.92/-8.56	-15.55/-17.49	-14.33/-17.83	-14.61/-15.81	-15.62/-17.1	-17.78/-18.05	-18.42/-18.48	-15.26/-11.19	-9.83/-10.02	-11.35/-17.39	-18.99/-18.24	-11.1/-14.43	-18.38/-17.31	-17.93/-13.97
Θ(105°)	-15.58/-13.18	-18.89/-18.9	-11.78/-13.14	-10.18/-19.15	-13.78/-10.92	-8.73/-11.6	-9.97/-12.84	-14.09/-8.16	-7.12/-7.18	-7.44/-9.84	-10.89/-10.46	-10.73/-18.69	-15.83/-18.35	-17.74/-18.92	-18.76/-18.4	-17.8/-13.7	-19.02/-18							



Radiated Composite Gain Data_Scanning Radio 5_2.4GHz, 5GHz UNII 1~4, 6GHz and Radio 6 Bluetooth

Appendix G

Θ(105°)	-5.79/-9.33	-8.61/-7.85	-5.39/-3.86	-1.44/-2.76	-6.48/-5.46	-5.08/-4.47	-4.9/-9.17	-8.59/-3.93	-0.98/-1.5	-2.4/-1.8	-2.53/-2.5	-1.37/-3.09	-6/-3.76	-1.64/-2.65	-5.5/-8.77	-9.4/-1.33	-4.47/-1.40	-4.31/-3.78	-6.02/-8.48	-7.87/-7.36	-7.65/-6.12	-7.22/-12.39	-10.99/-9.81	-9.15/-10.74
Θ(112.5°)	-10.53/-14.33	-13.22/-13.65	-8.71/-4.3	-4.71/-7.53	-7.48/-5.69	-5.74/-6.19	-6.55/-10.37	-8.49/-3.64	-1.69/-2.54	-3.34/-3.33	-3.88/-2.72	-4.27/-4.8	-6.65/-3.58	-3.34/-3.93	-5.14/-11.62	-9.71/-4.97	-6.31/-8.62	-7.92/-5.27	-5.62/-10.33	-9.84/-10.33	-8.9/-12.17	-10.86/-9.99	-14.99/-12.4	-12.48/-12.58
Θ(120°)	-16.63/-18.21	-13.38/-11.44	-7.98/-4.74	-2.73/-5.7	-4.88/-1.66	-10.34/-7.58	-7.06/-0.97	-9.33/-7.43	-4.51/-9.85	-4.53/-6.63	-4.92/-6.58	-6.74/-8.89	-6.14/-5.28	-5.73/-5.41	-8.81/-8.01	-14.79/-6.53	-9.64/-9.77	-8.83/-8.33	-5.09/-7.88	-7.43/-7.77	-8.72/-7.96	-15.38/-13.62	-13.86/-17.88	
Θ(127.5°)	-12.55/-13.81	-17.94/-10.59	-5.93/-6.83	-5.44/-9.69	-10.09/-10.74	-10.99/-11.23	-11.41/-18.63	-10.91/-10.52	7.52/-8.71	-7.27/-7.78	-7.78/-9.94	6.77/-8.07	-7.87/-9.37	-6.4/-4.35	-10.93/-8.5	-17.84/-8.03	-9.48/-13.54	-13.69/-8.03	-6.47/-10.93	-15.35/-14.98	-12.12/-9.28	-12.32/-11.92	-10.54/-13.08	-10.9/-14.66
Θ(135°)	-17.5/-17.49	-13.71/-10.39	-10.9/-11.04	-18/-17.87	-18.33/-14.02	-14.58/-12	-13.39/-18.91	-11.18/-11.16	-8.56/-10.04	-8.44/-8.32	-10.41/-7.78	-8.87/-9.44	-12.43/-9.12	-5.11/-9.14	-9.24/-9.68	-17.46/-8.3	-14.07/-17.5	-14.77/-14.46	-8.79/-16.6	-15.2/-14.65	-13.79/-9.46	-16.21/-16.41	-15.52/-13.48	-14.2/-9.75
Θ(142.5°)	-14.64/-11.33	-13.61/-8.64	-14.86/-10.7	-12.83/-14.48	-12.51/-15.47	-18.52/-17.79	-18.52/-17.26	-13.17/-13.7	-13.05/-12.59	-12.24/-12.34	-13.28/-11.13	-10.24/-9	-10.35/-9.44	-6.51/-8.74	-8.81/-5.01	-18.68/-14.92	-11.78/-18.46	-18.33/-15.62	-12.91/-14.1	-17.25/-19.47	-15.02/-11.56	-12.53/-12.1	-18.45/-17.97	-13.93/-12.3
Θ(150°)	-18.76/-15.56	-16.28/-16.82	-18.75/-18.24	-18.67/-12.66	-10.85/-11.6	-14.8/-16.84	-17.66/-17.6	-18.54/-17.81	-18.22/-18.29	-14.36/-13.48	-14.87/-14.65	-11.51/-9.99	-9.58/-8.06	-6.53/-6.9	-10.26/-11.26	-14.54/-18.92	-18.08/-17.93	-18.61/-18.57	-17.62/-17.86	-18.25/-18.44	-17.24/-18.63	-12.87/-18.34	-18.54/-18.89	-17.89/-18.1
Θ(157.5°)	-15.06/-17.98	-17.46/-18.94	-19.15/-16.71	-16.65/-17.37	-18.35/-18.61	-17.72/-19.19	-17.15/-18.61	-17.93/-19.1	-19.13/-15.17	-12.65/-13.21	-14.2/-14.78	-14.03/-11.87	-9.93/-10.14	-11.76/-12.35	-12.02/-13.6	-16.38/-15.75	-18.45/-18.48	-18.35/-17.79	-15.13/-15.41	-15.59/-14.74	-15.72/-17.75	-17.77/-17.62	-18.5/-17.03	-14.49/-12.78
Θ(165°)	-18.22/-19.14	-17.01/-19.69	-15.44/-13.51	-16.64/-18.29	-14.84/-19.56	-19.88/-17.71	-17.05/-17.12	-18.67/-18.27	-18.98/-19.26	-19.31/-19.08	-17.68/-18.7	-18.82/-16.76	-13.88/-12.82	-10.57/-11.83	-15.3/-13.86	-13.26/-15.5	-18.38/-18.87	-18/-19.26	-15.26/-15.01	-15.63/-16.53	-17.27/-19.38	-17.43/-19.16	-17.18/-17.23	-18.89/-17.57
Θ(172.5°)	-14/-15.95	-15.83/-16.3	-15.41/-15.36	-17.11/-17.59	-18.54/-17.75	-18.11/-18.36	-17.54/-18.24	-17.28/-17.98	-18.73/-16.76	-15.56/-13.96	-14.11/-14.68	-12.76/-11.89	-13.68/-15.41	-12.81/-10.83	-10.2/-9.98	-11.07/-12.5	-13.68/-13.42	-13.44/-14.33	-16.29/-17.59	-16.63/-15.78	-15.08/-15.6	-16.26/-14.75	-12.79/-13.01	-13.83/-12.89
Θ(180°)	-10.88/-10.45	-10.35/-11.89	-12.93/-13.13	-13.62/-14.5	-16.05/-18.11	-18.47/-17.71	-17.54/-18.15	-18.47/-18.33	-16.3/-14.69	-14.34/-14.64	-15.76/-13.5	-11.67/-11.21	-12.02/-11.38	-10.94/-11.66	-12.43/-13.46	-13.75/-14	-14.97/-15.43	-16.54/-18.93	-18.69/-18.9	-18.41/-17.3	-16.24/-14.26	-13.09/-11.82	-12.07/-11.82	-11.37/-10.52
Freq(Hz)	5.885GPol.	PhiAnt. 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°)	-7.91/-6.36	-5.68/-5.53	-5.3/-4.26	-3.4/-1.2	-2.75/-2.6	-2.88/-3.3	-3.82/-4.38	-5.58/-7.04	-8.45/-10.67	-12.89/-14.73	-15.97/-14.4	-11.61/-9.13	-8.03/-7.23	-5.88/-4.74	-3.92/-3.36	-2.61/-1.67	-1.42/-1.5	-1.59/-1.75	-2.16/-2.67	-3.63/-5.48	-7.77/-10.42	-13.46/-18.89	-18.92/-15.1	-12.51/-8.67
Θ(7.5°)	-9.52/-7.02	-6.48/-4.52	-4.25/-2.79	-1.67/-1.17	-0.79/-0.75	-0.93/-1.44	-2.09/-2.85	-4.34/-5.69	-7.63/-10.68	-15.08/-18.82	-18.65/-15.14	-10.81/-7.02	-5.03/-4.74	-4.76/-4.22	-3.6/-3.67	-4.01/-3.93	-4.15/-4.15	-4.13/-4.55	-4.91/-5.01	-5.29/-6.21	-8.1/-9.77	-10.89/-11.64	-14.54/-15.38	-13.58/-12.16
Θ(15°)	-15.77/-13.94	-12.25/-9.57	-6.24/-3.59	-1.73/-1.04	-0.81/-0.79	-1.61/-2.68	-4.09/-5.64	-8.25/-11.82	-18.71/-19	-15.07/-13.34	-13.84/-12.42	-10.14/-6.38	-6.87/-6.81	-6.53/-5.56	-5.08/-5.23	-5.57/-6.81	-6.49/-8.35	-10.29/-12.12	-12.9/-12.2	-10.93/-10.75	-10.77/-10.86	-10.93/-9.92	-10.91/-13.69	-14.63/-17.98
Θ(22.5°)	-11.9/-15.72	-17.87/-15.36	-9.72/-4.53	-2.95/-1.36	-0.67/-1.01	-1.63/-3.57	-6.26/-10.12	-14.97/-18.68	-13.03/-9.07	-7.55/-9.38	-15.09/-18.89	-18.45/-15.34	-9.25/-11.7	-7.34/-7.12	-6.61/-6.81	-7.05/-11.6	-7.57/-9.03	-12.83/-18.33	-19.15/-18.68	-19.11/-17.74	-18.03/-18.34	-17.31/-17.62	-11.24/-13.07	-10.86/-12.34
Θ(30°)	-17.01/-11.42	-14.44/-16.73	-14.47/-9.4	-5.33/-6.33	-3.03/-2.82	-3.71/-5.23	-7.31/-7.23	-10.61/-11.5	-13.55/-11.99	-8.42/-9.46	-7.3/-10.9	-13.54/-15.26	-16.71/-13.74	-8.32/-4.89	-3.55/-8.5	-5.12/-5.75	-6.59/-7.44	-8.1/-8.73	-12.24/-19.43	-19.25/-19.82	-18.97/-16.39	-12.45/-12.66	-18.02/-17.82	-17.18/-8.55
Θ(37.5°)	-6.51/-4.84	-5.29/-9.55	-15.66/-18.58	-14.39/-8.59	-5.3/-3.92	-5.12/-7.3	-7.83/-9.44	-10.43/-9.13	-6.09/-4.58	-7.36/-10.11	-9.08/-11.89	-16.68/-16.2	-8.23/-4.17	-3.6/-3.75	-4.41/-6.42	-7.84/-8.18	-11.73/-18.07	-18.51/-16.76	-19.06/-18.27	-18.85/-16.4	-13.42/-14.6	-17.15/-17.84	-18.6/-15.78	-15.66/-10.75
Θ(45°)	-5.5/-6.66	-8.01/-11.6	-8.41/-6.41	-5.45/-5.14	-4.95/-3.48	-3.97/-9.8	-17.71/-11.96	-16.4/-11.62	-7.82/-4.44	-6.87/-12.58	-9.73/-10.18	-12.24/-13.2	-11.84/-8.03	-4.91/-4.02	-4.08/-5.07	-6.47/-10.36	-8.36/-9.46	-15.12/-9.5	-7.73/-8.85	-11.67/-17.99	-19.21/-18.05	-18.59/-17.62	-11.22/-14.49	-17.32/-8.95
Θ(52.5°)	-8.89/-9.92	-8.37/-6.73	-4.4/-2.52	-4.31/-5.35	-4.31/-5.35	-6.4/-10.47	-18.71/-18.1	-17.91/-15.23	-10.81/-5.21	-6.17/-10.96	-11.62/-9.73	-17.91/-15.23	-9.6/-6.38	-5.05/-4.24	-3.22/-4.23	-6.54/-8.8	-7.25/-6.68	-10.09/-12.96	-6.44/-9.62	-13.01/-14.56	-14.54/-18.91	-17.01/-15.68	-10.07/-9.03	-7.91/-11.09
Θ(60°)	-8.98/-12.02	-10.61/-10.53	-8.34/-6.07	-8.01/-10.95	-10.5/-11.82	-17.31/-18.79	-13.06/-12.93	-13.14/-18.92	-16.37/-7.21	-4.99/-7.91	-15.23/-13.42	-12.89/-12.8	-12.09/-5.91	-6.48/-6.37	-4.6/-5.19	-8.13/-7.1	-7.16/-5.31	-4.95/-7.85	-5.23/-7.2	-9.7/-10.49	-10.83/-18.17	-12.5/-12.12	-10.6/-9.97	-7.34/-9.67
Θ(67.5°)	-8.26/-10.78	-18.45/-14.73	-18.14/-12.19	-6.7/-6.91	-11.09/-11.6	-10.86/-12.55	-7.59/-8.93	-10.97/-11.25	-8.82/-6.56	-5.78/-16.7	-13.69/-16.53	-11.86/-16.33	-10.97/-12.2	-8.59/-8.8	-6.49/-11.7	-7.41/-9.57	-6.51/-9.42	-4.57/-6.36	-5.86/-7.21	-9.22/-14.06	-8.91/-15.33	-9.43/-10.56	-11.22/-11.4	-7.88/-10.21
Θ(75°)	-9.67/-14.9	-11.5/-9.16	-11.82/-10.66	-4.12/-3.46	-3.66/-6.31	-7.63/-13.2	-8.11/-10.31	-13.38/-9.63	-5.76/-4.99	-11.10/-10.34	-13.19/-12	-14.58/-17.19	-18.71/-10.4	-10.79/-10.39	-10.85/-10.41	-8.85/-11.81	-9.27/-9.71	-4.17/-5.22	-5.78/-7.22	-8.78/-10.23	-13.93/-19.13	-13.04/-17.52	-18.05/-15.03	-18.51/-17.28
Θ(82.5°)	-11.43/-12.59	-7.57/-10.03	-10.63/-7.99	-3.78/-3.33	-5.21/-5.52	-6.84/-8.6	-7.1/-10.19	-13.82/-8.14	-4.6/-3.07	-5.03/-8.26	-15.93/-13.29	-14.44/-18.03	-18.37/-11.27	-15.9/-10.54	-9.27/-12.37	-11.06/-18.04	-10.85/-10.95	-5.63/-4.24	-6.66/-8.36	-10.21/-12.67	-7.93/-9.24	-7.9/-13.88	-13.49/-10.75	-15.94/-9.93
Θ(90°)	-18.54/-13.44	-7.8/-14.12	-11.17/-9.18	-4.86/-5.85	-7.01/-7.6	-8.36/-8.38	-7.83/-12.96	-12.92/-8.5	-6.17/-4.02	-5.02/-6.75	-15.2/-10.04	-16.85/-18.44	-18.6/-14.29	-18.67/-14.66	-11.1/-12.26	-16.05/-18.58	-18.24/-15.76	-10.59/-8.68	-7.85/-9.02	-13.59/-17.95	-10.54/-10.91	-8.46/-15.5	-17.11/-10.86	-18.69/-13.32
Θ(97.5°)	-17.83/-12.16	-9.81/-18.18	-10.59/-9.23	-6.36/-10.32	-8.1/-8.66	-9.38/-7.12	-10.93/-13.72	-12.27/-6.64	-9.22/-5.59	-7.16/-9.71	-16.23/-19.15	-10.97/-18.69	-17.86/-13.63	-12.75/-17.81	-18.65/-18.99	-18.88/-18.94	-16.08/-9.49	-10.78/-12.93	-12.62/-18.77	-13.93/-19.13	-13.04/-17.52	-18.05/-15.03	-18.51/-17.28	
Θ(105°)	-15.9/-13.08	-18.08/-18.99	-10.89/-10.17	-10.93/-18.76	-10.88/-11.9	-11.2/-12.95	-16.8/-16.23	-12.26/-9	-9.01/-6.78	-7.17/-9.18	-18.48/-10.3	-19.02/-18.4	-18.24/-19.13	-18.4/-17.59	-16.84/-15.7	-18.87/-17.62	-17.41/-17.49	-18.03/-14.8	-15.44/-16.11	-14.2/-18.09	-14.1/-18.83	-11.82/-16.32	-19.02/-15.75	-16.81/-15.71
Θ(112.5°)	-16.68/-17.5	-18.47/-14.01	-12.76/-15.71	-14.89/-18.75	-11.95/-13.42	-11.86/-14.45	-16.67/-17.58	-11.06/-8.99	-10.77/-8.44	-9.88/-12.62	-18.5/-11	-18.32/-17.96	-18.7/-18.07	-17.7/-16.22	-16.09/-18.92	-18.77/-18.64	-18.57/-17.69	-18.25/-18.88	-11.6/-16.04	-16.53/-13.17	-17.33/-17.58	-13.46/-14.73	-19.16/-18.9	-15.94/-17.95
Θ(120°)	-17.17/-17.37	-11.57/-19.51	-13.33/-18.19	-18.43/-13.75	-10.86/-16.25	-12.77/-13.38	-12.48/-14.21	-9.59/-9.4	-10.08/-10.34	-10.27/-18.84	-17.2/-12	-14.48/-17.13	-18.7/-18.74	-18.58/-19.16	-13.48/-18.71	-18.03/-16.66	-18.92/-17.95	-12.73/-19.87	-18.16/-13	-11.72/-18.23	-18.77/-15.81	-16.61/-17.56	-15.21/-19.37	-18.54/-17.91
Θ(127.5°)	-13.94/-18.24	-14.36/-17.93	-17.16/-18.59	-16.61/-13.59	-12.46/-17.05	-12.14/-17	-11.68/-12.37	-7.99/-8.31	-10.08/-11	-13.13/-18.84	-14.19/-18.89	-19.04/-19.38	-18.79/-18.93	-18.25/-18.85	-13.32/-18.11	-15.37/-14.07	-17.06/-17.58	-18.1/-18.29	-14.45/-17.84	-11.71/-16.18	-17.96/-13.26	-18.51/-18.11	-18.23/-19.29	-14.58/-17.91
Θ(135°)	-16.3/-15.37	-19.38/-17.58	-16.67/-14.5	-18.6/-13.8	-16.26/-12.68	-11.81/-12.61	-10.12/-11.86	-10.33/-11.25	-11.08/-15.61	-14.3/-18.17	-15.76/-14.87	-18.67/-18.57	-19.29/-18.52	-18.02/-19.15	-19.08/-17.93	-10.67/-16.69	-11.82/-17.7	-17.46/-18.05	-16.71/-13.34	-17.87/-13.73	-17.68/-14.64	-16.76/-15.75	-14.63/-18.07	-19.43/-17.49
Θ(142.5°)	-11.46/-15.13	-18.66/-15.84	-19.09/-18.56	-18.96/-19	-16.05/-12.05	-12.19/-10.63	-10.58/-12.53	-10.23/-17.91	-9.68/-11.37	-19.11/-18.59	-14.57/-17.29	-19.38/-18.88	-19.36/-15.66	-15.58/-18.19	-13.18/-11.47	-10.91/-12.01	-17.31/-16.11	-14.32/-14.17	-16.62/-16.21	-14.99/-10.92	-13.24/-12.88			



Radiated Composite Gain Data_Scanning Radio 5_2.4GHz, 5GHz UNII 1~4, 6GHz

Appendix G

Θ(157.5°)	-18.33/-18.55	-11.37/-17.95	-18.01/-18.54	-16.43/-17.6	-17.31/-18.47	-18.32/-18.96	-18.02/-19.39	-18.18/-17.93	-16.85/-17.21	-18.1/-17.49	-14.28/-14.06	-13.47/-10.87	-9.75/-8.01	-6.99/-8.44	-13.79/-14.04	-15.25/-17.13	-11.66/-11.83	-14.88/-14.11	-13.13/-15.76	-14.72/-15.17	-19.19/-17.64	-17.64/-14.25	-12.38/-11.68	-12.28/-11.91
Θ(165°)	-18.38/-18.96	-18.05/-17.91	-13.64/-15.36	-15.6/-15.9	-17.46/-15.24	-12.8/-13.58	-17.83/-18.33	-18.65/-17.75	-17.64/-18.82	-19.09/-17.47	-17.83/-13.93	-11.93/-14.07	-16.23/-15.53	-17.79/-14.57	-11.19/-11.3	-12.31/-11.18	-11.42/-13.24	-16.14/-17.92	-17.67/-14.59	-13.98/-15.51	-18.79/-17.91	-18.78/-17.3	-15.77/-15.89	-17.41/-19.01
Θ(172.5°)	-18.94/-18.89	-17.93/-18.07	-19.36/-18.38	-16.57/-17.21	-16.85/-18.8	-17.32/-18.38	-19.01/-18.94	-19.36/-18.97	-17.52/-15.44	-13.68/-12.42	-12.18/-13.99	-16.36/-18.55	-18.93/-15.97	-16.92/-16.67	-16.66/-13.9	-13.77/-14.5	-14.17/-13.59	-18.07/-17.15	-19.15/-17.95	-18.08/-17.75	-18.68/-17.75	-16.95/-15.67	-16.29/-15.72	
Θ(180°)	-12.36/-11.53	-12.21/-13.21	-15.61/-18.24	-17.81/-17.86	-18.07/-17.65	-18.07/-19.12	-18.94/-18.63	-16.94/-15.17	-14.36/-13.56	-14.56/-15.49	-17.32/-15.8	-16.98/-15.76	-14.38/-13.01	-13.05/-15.53	-16.52/-17.71	-17.27/-14.84	-14.62/-14.63	-15.47/-17.02	-17.53/-18.44	-17.82/-16.76	-14.22/-11.46	-9.71/-9.57	-8.84/-9.51	-8.77/-9.64
Freq(Hz)	6.475GPol.	Phi/Ant.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(15°)Φ(7.5°)	Φ(15°)Φ(22.5°)	Φ(30°)Φ(37.5°)	Φ(45°)Φ(52.5°)	Φ(60°)Φ(67.5°)	Φ(75°)Φ(82.5°)	Φ(90°)Φ(97.5°)	Φ(105°)Φ(112.5°)	Φ(120°)Φ(127.5°)	Φ(135°)Φ(142.5°)	Φ(150°)Φ(157.5°)	Φ(165°)Φ(172.5°)	Φ(180°)Φ(187.5°)	Φ(195°)Φ(202.5°)	Φ(210°)Φ(217.5°)	Φ(225°)Φ(232.5°)	Φ(240°)Φ(247.5°)	Φ(255°)Φ(262.5°)	Φ(270°)Φ(277.5°)	Φ(285°)Φ(292.5°)	Φ(300°)Φ(307.5°)	Φ(315°)Φ(322.5°)	Φ(330°)Φ(337.5°)	Φ(345°)Φ(352.5°)
Θ(0°)	-4.06/-2.84	-1.6/-0.95	-0.91/-0.91	-0.8/-0.97	-1.32/-1.5	-1.81/-2.57	-3.33/-4.12	-5.36/-6.88	-9.09/-11.97	-17.81/-18.51	-15.09/-11.39	-8.24/-6.06	-4.45/-2.39	-1.33/-0.45	0.0/-0.16	0.6/-0.96	1.02/-0.74	0.37/-0.45	-1.65/-2.96	-5.25/-9.36	-14.56/-18.87	-18.04/-15.47	-11.25/-7.63	-5.57/-4.54
Θ(7.5°)	-4.53/-2.64	-1.04/-0.25	1.1/-1.09		0.90/-29	-0.22/-1.25	-2.52/-3.76	-5.79/-7.98	-11.28/-16.2	-18.77/-15.77	-11.4/-9.15	-6.72/-5.08	-4.3/-2.49	-1.54/-1.02	-1.44/-1.61	-0.96/-0.63	-0.78/-1.26	-1.87/-2.52	-3.66/-4.71	-6.25/-8.95	-11.99/-15.66	-19.61/-18.23	-15.94/-11.03	-8.08/-5.93
Θ(15°)	-10.43/-6.39	-3.28/-0.74	0.88/-1.27	1.51/-1.37	1.02/-0.51	-0.37/-1.9	-4.01/-6.26	-8.16/-8.37	-7.65/-7.74	-7.71/-9.36	-10.69/-8.98	-7.33/-5.27	-3.79/-3.13	-1.21/-0.3	-0.87/-1.67	-1.88/-1.43	-1.61/-1.9	-2.29/-3.12	-4.64/-6.95	-10.54/-15.78	-17.96/-17.93	-17.46/-19.79	-18.23/-17.92	-17.32/-14.13
Θ(22.5°)	-17.69/-13.51	-6.94/-3.54	-1.37/-0.15	0.77/-1	0.98/-0.58	-0.44/-2.38	-5.08/-7.92	-6.59/-4.38	-4.33/-6.32	-7.54/-7.43	-7.36/-6.89	-6.47/-5.34	-3.27/-3	-1.82/-0.88	-1.62/-3.16	-4.55/-5.16	-6.43/-7.79	-7.79/-8.44	-10.66/-15.31	-18.94/-18.32	-19.51/-17.58	-17.69/-18.65	-18.71/-16.09	-15.82/-18.48
Θ(30°)	-13.78/-15.1	-12.55/-13.66	-7.96/-3.86	-2.04/-1.19	-1.09/-0.95	-0.94/-2.49	-5.78/-10.8	-8.2/-3.1	-1.8/-3.75	-4.66/-4.66	-5.67/-5.97	-5.19/-5.87	-6.05/-5.97	-4.62/-3.72	-3.66/-3.84	-5.54/-9.12	-10.06/-8.93	-7.94/-8.52	-11.71/-15.5	-18.08/-18.61	-13.66/-11.41	-15.19/-16.71	-13.83/-9.97	-8.23/-9.24
Θ(37.5°)	-9.11/-4.88	-6.99/-14.61	-10.39/-9.62	-3.43/-2.22	-4.42/-5.72	-4.9/-4.91	-8.69/-14.14	-10.56/-3.83	-2.94/-0.47	-3.36/-3.44	-4.87/-6.47	-7.53/-6.48	-5.37/-3.73	-3.23/-2.19	-4.62/-6.22	-6.85/-12.78	-18.51/-18.97	-10.22/-5.63	-7.89/-9.41	-10.64/-18.68	-12.08/-10.7	-14.6/-18.77	-14.33/-14.7	-6.65/-11.19
Θ(45°)	-4.23/-3.23	-8.61/-12.13	-15.42/-10.31	-8.1/-6.75	-5.37/-5.5	-7.43/-6.91	-8.68/-15.1	-13.95/-6.46	-5.35/-9.3	-9.06/-7.15	-4.96/-7.1	-11.28/-9.66	-7.55/-4.74	-4.85/-4.74	-4.61/-8.72	-8.81/-9.53	-17.95/-14.35	-17.8/-15.12	-12.22/-13.02	-11.92/-18.75	-11.93/-14.81	-15.5/-18.09	-18.09/-13.31	-10.25/-9.41
Θ(52.5°)	-5.8/-6.93	-16.75/-12.35	-5.78/-2.72	-3.05/-3.92	-5.03/-5.61	-7.43/-12.86	-18.16/-13.7	-13.44/-7.24	-6.32/-9.77	-14.93/-14.25	-6.48/-10.19	-12.55/-9.34	-9.76/-10.08	-8.45/-5.42	-3.91/-7.1	-8.37/-9.96	-11.53/-8.41	-12.85/-12.05	-18.29/-17.82	-19.33/-19.29	-18.38/-18.46	-12.67/-13.24	-11.5/-5.14	
Θ(60°)	-11.85/-12.85	-11.57/-10.69	-5.48/-4.84	-6.83/-8.9	-9.99/-15.94	-17.11/-17.23	-18.66/-16.28	-17.77/-15.7	-12.88/-11.72	-11.61/-17.97	-11.61/-13.72	-19.15/-15.24	-11.27/-11.39	-10.58/-7.62	-4.64/-6.36	-7.68/-8.47	-16.22/-7.43	-8.79/-7.1	-9.55/-14.43	-16.85/-17.72	-17.27/-18.19	-18.73/-13.53	-11.55/-7.48	-7.04/-8.67
Θ(67.5°)	-8.44/-10.74	-18.15/-17.87	-14.12/-13.47	-19.33/-11.65	-8.63/-19.27	-17.11/-7.79	-8.76/-9.06	-18.15/-12.5	-13.29/-14.48	-11.33/-16.2	-17.58/-18.56	-18.9/-14.88	-10.89/-14.5	-12.42/-7.87	-7.8/-9.99	-9.99/-9.55	-18.09/-10.28	-7.74/-6.39	-6.6/-10.06	-14.69/-12.22	-12.03/-18.54	-12.91/-14.13	-14.08/-10.39	-7.56/-8.33
Θ(75°)	-7.16/-9.48	-15.93/-8.64	-14.93/-14.41	-7.68/-5.06	-6.43/-8.78	-7.31/-6.16	-8/-7.85	-12.57/-8.58	-8.3/-12.03	-10.45/-14.54	-17.15/-18.16	-14.54/-17.66	-18.78/-15.32	-13.52/-19.12	-9.87/-13.3	-11.62/-9.95	-14.61/-11.08	-8.3/-7.05	-3.61/-7.27	-10.94/-10.47	-11.61/-13.92	-8.93/-12.71	-14.9/-13.18	-8.76/-8.67
Θ(82.5°)	-6.67/-11.07	-10.34/-5.67	-13.16/-13.6	-6.77/-4.67	-7.09/-6.15	-7.5/-8.17	-5.9/-7.51	-9.26/-5.9	-8.44/-14.75	-12.15/-19.16	-16.71/-17.39	-16.72/-18.89	-18.46/-10.92	-17.65/-15.95	-11.85/-10.98	-11.72/-11.32	-8.61/-8.56	-3.67/-6.98	-10.15/-8.21	-8.74/-9.08	-6.99/-10.31	-10.23/-19	-8.53/-10.62	
Θ(90°)	-8.28/-12.42	-6.6/-7.57	-13.89/-9.34	-8.68/-5.93	-10.08/-4.78	-8.86/-6.75	-4.25/-6.87	-7.07/-6.9	-13.13/-17.96	-16.19/-17.88	-17.33/-16.82	-15.63/-17.77	-18.67/-17.07	-18.09/-15.24	-18.42/-14.09	-13.77/-14.36	-11.16/-17.59	-11.57/-11.37	-5.82/-8.15	-10.14/-7.97	-9.48/-9.42	-8.51/-10.26	-10.28/-17.04	-8.84/-16.77
Θ(97.5°)	-11.65/-16.69	-6.48/-11.71	-17.82/-10.06	-10.67/-10.63	-15.04/-5.49	-8.74/-8.61	-5.77/-4.88	-7.05/-6.09	-18.44/-17.23	-16.44/-18.21	-17.63/-12.86	-14.99/-17.99	-17.71/-18.19	-18.56/-17.48	-16.96/-15.36	-13.22/-16.36	-13.46/-19.09	-16.42/-15.8	-8.21/-11.27	-14.62/-11.34	-16.58/-16.85	-11.89/-14.17	-13.07/-15.58	-10.87/-12.97
Θ(105°)	-13.91/-16.19	-19.2/-9.87	-14.22/-9.87	-17.25/-17.71	-10.27/-10.6	-9.26/-11.42	-10.71/-10.81	-9.91/-13.96	-18.88/-18.94	-16.41/-18.1	-19.06/-11.56	-17.16/-18.99	-19.22/-19.05	-17.96/-14.05	-12.02/-18.19	-13.35/-16.69	-12.65/-18.56	-12.54/-14.4	-18.74/-18.17	-13.66/-17.23	-13.41/-14.34	-16.48/-15.64	-15.08/-9.92	
Θ(112.5°)	-18.73/-16.87	-16.66/-17.84	-13.89/-14.79	-18.05/-18.19	-10.61/-11.15	-9.66/-14.58	-13.29/-12.04	-12.45/-17.27	-18.27/-18.35	-15.71/-18.64	-16.9/-14.65	-17.65/-17.6	-19.12/-19.42	-19.31/-18.61	-15.39/-19.24	-11.65/-16.1	-15.55/-17.53	-18.82/-18.64	-13.2/-11.8	-15.58/-16.2	-15.73/-18.48	-18.93/-14.93	-18.24/-18.99	-17.81/-10.34
Θ(120°)	-19.07/-18.5	-18.29/-13.3	-18.43/-17.95	-16.16/-14.56	-11.1/-13.88	-12.89/-18.33	-12.69/-12.76	-14.69/-17.66	-18.52/-16.45	-12.86/-19.2	-17.55/-18.62	-18.51/-18.13	-19.34/-18.12	-18.23/-16.24	-11.13/-9.72	-18.93/-18.12	-10.84/-17.84	-18.33/-17.22	-15.17/-18.79	-18.13/-17.22	-15.71/-18.79	-18.03/-18.73	-16.69/-14.3	-18.49/-15.82
Θ(127.5°)	-18.88/-14.98	-13.31/-18.13	-17.91/-14.67	-14.52/-14.08	-15.84/-15.76	-13.46/-18.39	-14.88/-16.79	-16.58/-11.81	-16.71/-12.08	-17.78/-18.68	-13.67/-13.67	-14.88/-18.71	-19.07/-19.11	-19/-18.82	-18.54/-14.52	-16.88/-10.88	-13.92/-13.37	-12.86/-17.87	-13.18/-12.82	-12.67/-17.99	-18.13/-19.09	-19.06/-19.31	-18.23/-17.58	-13.77/-17.35
Θ(135°)	-12.52/-12.81	-17.28/-17.23	-11.95/-15.47	-19.46/-18.26	-18.88/-16.15	-17.66/-17.16	-18.66/-14.12	-18.33/-13.48	-13.47/-14.6	-17.27/-17.54	-17.26/-16.24	-16.12/-16.1	-18.15/-17.8	-19.06/-18.58	-17.32/-17.92	-11.23/-8.1	-17.93/-13.41	-11.99/-14.98	-18.35/-14.25	-17.61/-18.14	-18.07/-15.39	-16.63/-19.43	-10.55/-16.47	-14.54/-19.14
Θ(142.5°)	-12.29/-10.83	-13.93/-18.67	-17.26/-19.31	-18.3/-17.81	-18.02/-17.64	-14.52/-13.27	-17.72/-17.49	-19.43/-14.3	-14.83/-15.81	-18.95/-13.66	-12.02/-15.22	-14.31/-15.99	-19.06/-18.1	-18.43/-18.69	-18.21/-17.88	-10.57/-19.19	-12.56/-17.87	-16.95/-12.32	-13.35/-15.73	-19.02/-13.47	-13.87/-13.88	-18.02/-17.95	-16.69/-14.3	-18.49/-15.82
Θ(150°)	-17.41/-18.95	-18.29/-15.93	-14.74/-18.88	-16.48/-17.47	-18.19/-12.05	-11.13/-15.34	-16.76/-16.29	-17.54/-12.85	-15.25/-17.48	-12.62/-13.56	-14.68/-16.43	-18.74/-19.19	-18.44/-18.15	-19.95/-18.08	-12.22/-17.9	-13.94/-17.04	-16.1/-13.9	-18.63/-16.78	-15.79/-16.61	-19.04/-17.97	-18.22/-17.84	-19.12/-14.91	-11.97/-13.63	
Θ(157.5°)	-18.69/-18.64	-15.33/-17.43	-18.92/-18.5	-15.68/-14.37	-11.46/-13.42	-18.37/-13.28	-12.04/-15.02	-16.43/-13.93	-18.34/-18.19	-14.07/-11.79	-14.76/-18.92	-19.01/-19.13	-18.29/-18.97	-17.97/-18.91	-19.78/-18.21	-18.49/-19.21	-18.71/-12.68	-16.79/-16.34	-14.37/-19.33	-18.76/-18.28	-17.71/-19	-16.05/-13.32	-14.69/-18.18	-13.29/-16.6
Θ(165°)	-18.33/-18.88	-18.24/-18.63	-18.78/-18.75	-19/-17.95	-17.82/-17.59	-13.12/-12.17	-14.82/-18.43	-14.7/-10.85	-9.95/-11.57	-12.86/-13.2	-17.13/-19.71	-17.97/-19.24	-18.11/-17.59	-18.52/-17.9	-17.47/-18.91	-17.74/-17.77	-19.15/-17.16	-16.14/-15.63	-15.28/-16.01	-18.98/-18.54	-18.92/-17.73	-18.84/-18.95	-15.94/-18.12	-17.83/-18.93
Θ(172.5°)	-18.65/-18.46	-18.36/-19.35	-18.08/-17.21	-17.85/-16.37	-15.27/-16.74	-16.74/-17.72	-17.8/-17.51	-16.5/-14.98	-18.37/-18.92	-18.42/-17.15	-17.08/-17.6	-17.5/-19.1	-15.97/-15.99	-16.03/-16.21	-16.44/-16.79	-18.56/-17.5	-17.74/-17.64	-17.9/-15.97	-15.68/-15.78	-17.26/-17.9	-18.02/-18.22	-18.13/-19.08	-17.82/-19.01	
Θ(180°)	-18.44/-17.56	-16.88/-17.2	-14.81/-14.9	-15.77/-14.22	-12.5/-13.56	-14.73/-16.01	-17.3/-16.87	-17.68/-17.39	-18.21/-17.37	-18.44/-18.99	-18.17/-18.09	-16.56/-17.78	-18.51/-17.03	-17.45/-19.55	-19.76/-17.97	-19.01/-17.83	-17.6/-17.92	-15.54/-14.79	-14.79/-16.57	-18.84/-17.39	-17.83/-18.07	-19.02/-17.57	-17.32/-18.03	-17.81/-17.99
Freq(Hz)	6.475GPol.	Theta/Ant.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(15°)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°)



Radiated Composite Gain Data_Scanning Radio 5_2.4GHz, 5GHz UNII 1~4, 6GHz

Appendix G

Θ(0°)	-0.64/-0.32	0.02/-0.14	-0.54/-1.18	-1.38/-1.63	-2.13/-2.96	-3.83/-5.13	-7.16/-9.95	-14.14/-18.18	-18.12/-12.55	-8.47/-5.03	-3.25/-1.68	-0.49/0.63	1.31/8.1	2.67/2.61	1.99/1.59	1.39/0.83	-0.21/-1.67	-3.47/-6.07	-9.62/-12.94	-17.5/-14.81	-9.88/-5.85	-5/-3.88	-1.78/-1.52	-1.07/-0.72
Θ(7.5°)	1.51/2.24	2.81/3.1	2.73/2.22	1.86/1.23	0.24/-0.99	-2.54/-4.8	-7.75/-11.91	-13.78/-11.85	-8.91/-7.35	-6.44/-5.17	-3.82/-2.63	-2.4/-2.55	-2.67/-1.51	-1.5/-1.61	-1.6/-1.96	-2.09/-1.7	-1.95/-2.77	-3.56/-5.02	-7.08/-9.58	-14.87/-18.76	-16.47/-9.32	-7.1/-4.72	-1.63/-0.61	0.33/-0.44
Θ(15°)	-0.82/-0.18	1.59/2.56	2.65/2.25	2.06/1.67	1.20/4.7	-0.43/-2.11	-6.52/-6.92	-9.09/-8.03	-5.63/-3.96	-2.7/-2.31	-2.6/-2.22	-1.63/-1.56	-2.54/-3.31	-2.24/-2.35	-3.4/-4.01	-4.43/-5.56	-6.02/-5.02	-4.46/-4.73	-5.93/-8.45	-13.04/-18.61	-12/-8.12	-6.24/-5.11	-3.83/-2.84	-1.81/-0.96
Θ(22.5°)	-8.55/-3.92	-0.79/1.09	2.04/1.74	0.81/-0.52	-2.03/-3.08	-3.43/-4.47	-5.6/-5.85	-5.21/-4.41	-2.83/-2.23	-2.55/-3.85	-4.08/-2.03	-1.01/-1.49	-3.74/-4.86	-2.55/-1.99	-2.43/-2.34	-3.39/-5.67	-7.98/-8.96	-8.16/-7.41	-7.49/-9.32	-12.44/-14.32	-14.35/-11	-7.42/-6.59	-6.65/-7.36	-9.74/-9.53
Θ(30°)	-9.45/-11.24	-5.49/-5.52	-6.13/-5.24	-4.78/-4.76	-4.44/-3.88	-4.49/-8.54	-19/-9.95	-5.03/-4.26	-4.2/-3.78	-4.92/-4.56	-2.58/-9.02	-1.07/-2.28	-2.72/-4.28	-2.66/-0.42	-4.43/-4.82	-6.14/-7.31	-8.42/-10.03	-11.36/-8.44	-6.87/-9.5	-17.57/-15.02	-11.88/-11.94	-11.22/-12.41	-16.11/-17.37	-11.41/-9.42
Θ(37.5°)	-6.76/-17.78	-17.72/-12.06	-7.06/-5.16	-7.59/-10.19	-11.64/-8.6	-6.15/-8.14	-18.44/-13.48	-6.28/-4.96	-6.16/-6.34	-11.03/-6.53	-3.74/-6.21	-5.81/-2.51	-2.68/-2.9	-5.69/-4.83	-7.68/-7.37	-7.45/-9.2	-8.27/-7.23	-6.74/-5.44	-4.78/-7.11	-13.51/-15.19	-10.51/-9.72	-12.96/-17.7	-15.16/-8.36	-4.52/-3.12
Θ(45°)	-9.77/-7.78	-4.47/-5.01	-8.93/-13.01	-11.71/-15.95	-17.03/-12.69	-8.54/-8.45	-16.67/-15.72	-7.01/-5.13	-9.13/-13.61	-17.38/-8.5	-7.43/-12.46	-5.67/-1.59	-2.14/-4.74	-7.2/-5.34	-7.11/-8.42	-7.21/-7.2	-13.17/-11.06	-9.21/-5.73	-5.91/-10.57	-12.43/-13.24	-10.8/-10.91	-15.74/-14.39	-17.47/-14.57	-6.82/-7.41
Θ(52.5°)	-8.67/-9.76	-10/-7.41	-5.55/-4.84	-4.29/-6.73	-10.7/-10.46	-7.84/-8.25	-13.34/-11.27	-7.01/-8.59	-14.54/-19.17	-15.13/-12.46	-13.71/-16.9	-5.4/-4.93	-5/-4.74	-10.28/-7.73	-6.66/-8.51	-9.53/-9.08	-18.84/-17.09	-13.06/-8.25	-8.65/-16.07	-13.53/-19.22	-12.09/-15.92	-19.04/-9.21	-8.05/-12.11	-17.13/-10.89
Θ(60°)	-10.67/-14.03	-13.25/-4.87	-4.07/-5.3	-6.49/-9.68	-18.45/-12.72	-10.34/-11.64	-18.05/-8.72	-9.19/-17.47	-18.64/-19.15	-14.52/-17.43	-17.18/-19.17	-9.23/-9.42	-10.04/-6.94	-10.42/-14.45	-6.98/-5.9	-9.16/-13.02	-18.33/-19.12	-14.25/-15.69	-12.16/-12.97	-18.24/-18.88	-18.55/-19.02	-19.21/-9.57	-7.01/-9.61	-11.56/-9.72
Θ(67.5°)	-18.76/-16.47	-11.37/-8.83	-11.16/-13.58	-18/-11.97	-18.43/-18.08	-12.41/-17.55	-17.63/-11.42	-11.5/-13.15	-17.32/-16.49	-11.4/-18.16	-18.06/-13.8	-8.69/-13.86	-7.97/-15.09	-12.84/-13.64	-7.66/-3.74	-8.31/-16.19	-17.61/-19.05	-11.42/-11.63	-8.7/-9.81	-12.01/-15.6	-13.48/-16.52	-12.95/-8.06	-7.36/-9.01	-10.23/-12.58
Θ(75°)	-14.76/-17.7	-17.55/-11.61	-12.02/-13.61	-13.68/-7.46	-6.17/-14.16	-18.26/-9.2	-10.81/-11.85	-10/-9.86	-18.77/-17.26	-15.39/-12.7	-12.68/-11.73	-12.83/-11.88	-9.85/-9.91	-14.53/-13.09	-12.5/-5.64	-6.88/-16.92	-15.05/-17.8	-9.69/-10.3	-8.59/-6.97	-6.94/-9.92	-6.28/-11.74	-10.6/-11.54	-9.34/-10.08	-12.03/-12.15
Θ(82.5°)	-13.1/-17.94	-19.09/-8.77	-7.86/-9.28	-12.33/-6.36	-6.54/-18.2	-12.08/-8.81	-16.22/-18.58	-8.27/-9	-17.7/-19.21	-18.64/-13.75	-12.36/-9.9	-16.98/-18.66	-8.54/-11.09	-13.57/-14.09	-16.21/-7.1	-8.94/-13.56	-17.52/-18.2	-10.88/-8.71	-8.78/-7.18	-5.85/-9.96	-4.82/-10.8	-11.75/-11.46	-10.05/-9.46	-14.63/-15.11
Θ(90°)	-12.59/-14.12	-19.36/-6.97	-9.75/-8.38	-12.51/-6.84	-10.35/-14.57	-12.04/-9.16	-17.86/-13.71	-8.24/-11.01	-17.12/-18.21	-18.77/-13.29	-12.31/-14.72	-16.01/-13.25	-13.01/-7.9	-12.91/-16.07	-18.85/-9.8	-9.23/-10.58	-18.25/-16.62	-12.04/-10.66	-10.19/-9.42	-6.4/-11.67	-5.15/-9.83	-12.42/-12.68	-10.06/-9.82	-13.13/-18.95
Θ(97.5°)	-14.42/-16.55	-12.54/-7.64	-15.67/-6.79	-12.56/-10.06	-15.61/-12.96	-14.58/-9.68	-15.92/-10.53	-8.41/-15.3	-13.27/-16.24	-17.12/-11.9	-12.67/-15.97	-18.67/-18.47	-7.94/-11.03	-14.42/-17.83	-19.03/-10.62	-9.59/-10.75	-19.15/-19.32	-14.78/-13.87	-13.06/-12.84	-9.45/-15.18	-9.66/-16.01	-18.09/-15.35	-11.9/-11.42	-11.76/-18.11
Θ(105°)	-13.95/-17.13	-12.14/-12.38	-17.35/-8.79	-17.47/-16.11	-14.22/-12.25	-11.27/-10.16	-17.88/-11.8	-9.65/-16.87	-12.49/-15.56	-18.42/-15.5	-10.69/-18.85	-13.66/-17.71	-17.38/-9.97	-14.77/-17.91	-16.67/-17.02	-9.44/-9.23	-11.95/-18.84	-17.63/-15.25	-18.05/-18.16	-12.49/-17.28	-18.19/-11.11	-18.71/-18.25	-15.72/-13.05	-14.96/-11.38
Θ(112.5°)	-18.53/-19.16	-12.78/-18.63	-10.91/-15.67	-13.51/-18.13	-15.68/-12.12	-11.35/-14.36	-15.05/-11.11	-13.08/-18.98	-11.56/-17.07	-17.99/-14.31	-14.08/-18.25	-18.01/-18.4	-12.11/-9.71	-18.49/-17.79	-17.94/-17.37	-9.11/-10.32	-11.06/-12.5	-19.11/-17.76	-17.68/-15.93	-10.25/-18.79	-15.61/-19.22	-18.2/-17.71	-18.62/-14.8	-18.34/-12.95
Θ(120°)	-18/-14.8	-17.84/-18.38	-14.97/-18.63	-13.89/-17.94	-14.35/-16.83	-11.74/-17.38	-12.21/-10.33	-12.2/-12.95	-10.87/-15.11	-18.82/-16.75	-18.14/-18.8	-18.02/-18.94	-19.08/-12.92	-16.18/-18.5	-17.93/-17.83	-10.39/-12.9	-11.31/-11.05	-14.86/-18.3	-18.71/-14.7	-14.33/-18.13	-14.63/-12.89	-15.37/-17.9	-15.78/-18.16	-14.86/-18.98
Θ(127.5°)	-16.83/-18.3	-17.81/-18.18	-18.72/-16.22	-19.13/-18.51	-16.89/-14.51	-10.08/-13.81	-12.82/-11.61	-14.49/-12.08	-11.95/-18.21	-18.84/-15.22	-13.93/-18.85	-17.78/-19.11	-17.32/-17.45	-18.07/-18.15	-17.58/-11.14	-7.72/-9.86	-15.89/-18.07	-14.22/-12.22	-16.28/-17.98	-18.94/-14.01	-16.89/-14.39	-19.21/-16.98	-18.14/-17.87	
Θ(135°)	-11.83/-15.16	-18.77/-17.29	-11.81/-18.05	-19.26/-19.21	-14.34/-13.64	-15.59/-12.56	-11.87/-13.71	-11.24/-9.96	-16.06/-18.59	-17.5/-17.02	-15.76/-18.18	-17.8/-15.67	-19.13/-19.24	-17.2/-18.38	-17.44/-18.22	-16.12/-10.61	-8.11/-14.45	-15.02/-10.73	-10.39/-12.27	-19.22/-18.62	-18.29/-18.43	-15.14/-18.29	-11.23/-18.15	-15.13/-18.9
Θ(142.5°)	-14.76/-18.64	-16.22/-18.23	-18.29/-18.44	-18.24/-18.71	-15.47/-18.49	-18.74/-19.38	-18.9/-19.32	-19.57/-17.83	-18.48/-18.39	-18.57/-18.27	-18.71/-19.02	-18.23/-12.63	-15.7/-18.85	-17.95/-18.42	-17.81/-18.82	-17.94/-15.64	-13.97/-15.14	-18.66/-14.8	-14.12/-15.19	-11.76/-17.96	-12.72/-13.75	-17.4/-18.27	-18.65/-17.87	-15.18/-18.27
Θ(150°)	-19.12/-18.67	-18.8/-18.19	-19.01/-16.24	-18.36/-15.65	-15.23/-18.21	-18.73/-18.88	-15.66/-17.55	-18.25/-18.43	-19.23/-18.22	-16.92/-17.49	-18.67/-18.8	-18.02/-14.04	-17.02/-18.07	-19.13/-17.95	-16.83/-17.85	-16.06/-17.2	-19/-17.42	-19.26/-18.11	-12.37/-16.12	-15.77/-14.16	-16.55/-16.61	-15.27/-18.11	-15/-19.39	-14.95/-16.37
Θ(157.5°)	-17.89/-19.05	-18.94/-18	-18.38/-18.15	-18.99/-19.12	-17.8/-18.89	-14.4/-13.85	-18.76/-18.33	-15.96/-18.63	-16.82/-11.54	-12.73/-18.81	-18.69/-18.84	-18.55/-19.04	-17.98/-18.46	-19.09/-17.39	-18.21/-18.7	-19.06/-18.9	-18.23/-18.03	-17.19/-17.91	-16.11/-14.03	-19.2/-18.72	-17.39/-18.31	-17.2/-16.21	-15.2/-17.49	-17.8/-19.04
Θ(165°)	-18.36/-18.54	-18.02/-18.44	-19.1/-18.35	-16.68/-18.91	-18.39/-17.95	-19.23/-18.06	-16.64/-13.3	-14.51/-17.02	-17.72/-18.63	-19.03/-17.84	-18.1/-18.9	-14.33/-19.3	-18.49/-18.9	-19.14/-15.73	-19.47/-18.36	-18.91/-18.67	-18.03/-18	-17.93/-18.38	-18.02/-18.55	-18.49/-18.85	-19.02/-18.91	-18.81/-18.04	-18.56/-18.42	-19.01/-18.3
Θ(172.5°)	-18.38/-18.69	-17.23/-14.57	-14.13/-15.39	-14.61/-17.07	-17.55/-17.63	-18.97/-17.75	-16.96/-15.54	-14.71/-15.08	-18.84/-17.61	-18.84/-18.59	-17.89/-18.45	-19.19/-18.13	-18.48/-18.99	-18.65/-18.58	-18/-17.81	-15.93/-14.45	-15.63/-17.47	-19.19/-18.74	-19.11/-15.47	-12.03/-14.47	-18.52/-17.3	-16.51/-17.14	-17.97/-16.01	
Θ(180°)	-17.62/-19	-18.78/-18.68	-17.61/-18.82	-17.17/-15.44	-15.15/-14.18	-12.92/-12.6	-14.42/-11.98	-11.74/-11.42	-11.39/-12.85	-15.29/-17.04	-16.73/-16.14	-17.15/-18.85	-17.62/-17.55	-18.58/-18.06	-18.01/-18.41	-16.18/-18.16	-18.2/-18.42	-18.39/-19.05	-17.86/-17.77	-18.03/-18.15	-18.2/-17.53	-18.22/-17.82	-16.05/-14.59	-15.35/-17.34
Freq(Hz)	6.995GPol.	ThetaAnt.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	-8.3/-10.51	-13.65/-17.23	-15.6/-12.24	-9.32/-7.14	-5.32/-3.69	-2.34/-1.32	-0.61/-0.15	0.38/0.73	0.91/0.73	0.53/0.29	0.04/-0.97	-1.99/-3.55	-5.27/-8.81	-14.36/-18.54	-16.8/-53	-5.71/-4.07	-2.47/-0.85	0.20/85	1.06/1.34	0.33/-0.17	-0.39/-1.54	-2.87/-3.48	-5.66/-7.5	
Θ(7.5°)	-3.97/-6.29	-10.66/-14.95	-17.45/-11.88	-7.37/-4.29	-2.21/-0.86	0.20/81	0.95/1.03	1.01/0.75	0.27/-0.29	-0.83/-1.79	-3.3/-4.74	-5.67/-6.76	-9.3/-13.48	-14.19/-13.16	-12.56/-11.38	-8.2/-5.94	-4.31/-2.9	-1.4/-0.62	0.11/0.86	1.23/1.38	1.69/1.71	1.54/1.13	0.6/-0.31	-1.53/-2.71
Θ(15°)	-4.21/-5.8	-9.38/-16.61	-12.9/-8.74	-6.34/-3.54	-1.61/-0.65	0.17/0.79	1.30/1.18	1.55/1.53	1.33/0.59	-0.86/-2.94	-5.15/-6.83	-8.88/-9.65	-9.82/-10.89	-11.63/-11.25	-10.62/-9.43	-8.86/-7.39	-4.84/-3.26	-2.08/-1.03	0.03/0.62	0.73/0.43	-0.05/0.07	-0.15/-1.25	-1.57/-3.01	
Θ(22.5°)	-3.4/-4	-5.65/-9.17	-18.89/-16.94	-9.5/-6.18	-3.85/-1.9	-0.28/1.08	1.62/1.58	1.03/0.41	-0.28/-1.94	-4.87/-7.24	-8.85/-11.03	-14.94/-18.03	-15.33/-11.78	-10.76/-11.28	-10.7/-3.88	-5.28/-3.93	-3.25/-4.07	-4.53/-5.3	-4.52/-2.96	-2.58/-2.1	-1.96/-1.72	-1.96/-2.22	-1.67/-2.33	-2.66/-2.47
Θ(30°)	-13.6/-9.65	-6.81/-6	-5.97/-5.29	-3.48/-2.31	-3.04/-0.74	-7.18/-13.3	1.27/2.21	1.99/1.02	-1.15/-4.53	-7.91/-9.98	-8.44/-11.92	-15.94/-17.58	-18.04/-19.08	-17.66/-17.32	-15.74/-11.07	-6.18/-3.21	-1.26/-1.59	-2.2/-3.74	-4.13/-2.95	-1.01/0.63	-0.11/-2.46	-7.27/-12.02	-12.59/-11.54	-13.08/-14.93
Θ(37.5°)	-12.97/-9.81	-7.91/-5.37	-3.23/-3.19	-5.34/-4.49	-3.29/-5.69	-6.77/-2.16	-0.05/0.58	0.95/0.52	-1.72/-4.69	-3.71/-3.69	-4.97/-4.74	-5.04/-5.63	-8.39/-11.53	-13.04/-13.98	-11.26/-8.62	-7.19/-5.32	-3.41/-2.4	-4.06/-4.33	-3.18/-2.06	-0.28/1.62	1.01/-1.41	-8.2/-8.04	-8.51/-17.71	-18.83/-19.43
Θ(45°)	-9.85/-6.24	-3.51/-3.76	-1.83/-0.81	-1.86/-4.55	-6.99/-1.08	-7.1																		





Antenna Pattern_Radio 1_2.4GHz, Radio 2_5GHz UNII 1~3

Appendix H

Θ(7.5°)	-5.32/-5.52	-6.03/-6.40	-6.49/-6.44	-6.64/-6.27	-6.51/-6.79	-6.66/-5.67	-6.03/-6.04	-5.57/-5.42	-4.89/-4.60	-4.82/-4.83	-5.05/-5.08	-4.79/-4.32	-3.89/-3.56	-3.10/-2.91	-2.88/-2.99	-2.97/-2.59	-2.30/-2.30	-2.24/-2.49	-2.81/-3.06	-3.04/-2.86	-3.53/-2.80	-3.80/-4.40	-4.02/-4.23	-4.75/-4.80
Θ(15°)	-5.29/-6.38	-6.91/-7.30	-7.37/-7.91	-8.02/-8.05	-7.70/-8.67	-8.65/-7.40	-7.70/-8.85	-8.41/-7.61	-6.81/-5.58	-5.56/-6.48	-6.85/-6.29	-5.49/-4.99	-4.06/-3.01	-1.79/-0.73	-0.000/-0.70	1.101/1.38	1.331/2.22	1.090/9.7	0.570/3.9	0.28/-0.06	-0.26/-0.44	-1.08/-1.99	-2.20/-2.80	-3.73/-4.48
Θ(22.5°)	-8.32/-9.66	-9.28/-7.91	-6.76/-5.74	-4.72/-3.88	-4.85/-4.26	-4.18/-4.52	-4.56/-5.30	-5.66/-5.96	-5.09/-3.48	-4.75/-5.51	-4.59/-6.24	-4.56/-2.78	-1.19/-0.19	0.48/-0.02	1.591/7.9	1.761/63	1.261/32	1.180/95	0.960/88	0.640/14	-0.30/-1.45	-2.20/-3.14	-4.76/-6.42	
Θ(30°)	-8.45/-8.34	-7.35/-6.02	-4.38/-3.52	-2.89/-2.42	-2.14/-1.41	-1.11/-1.44	-1.02/-0.34	-0.65/-0.99	-0.95/-1.56	-1.36/-1.40	-2.46/-2.69	-2.32/-2.76	-3.60/-3.56	-2.63/-0.90	0.411/4.9	1.961/71	1.560/81	0.340/93	1.051/27	1.331/27	0.790/42	-0.41/-1.43	-3.51/-4.69	-6.30/-7.64
Θ(37.5°)	-6.32/-4.24	-4.17/-3.42	-2.32/-1.68	-0.84/-0.12	-0.07/-0.07	0.140/0.65	1.221/83	2.382/43	2.19/-1.22	0.550/-27	-1.22/-1.68	-0.77/-0.67	-1.58/-2.37	-0.80/-0.94	1.501/1.7	0.940/83	0.21/-0.77	-0.85/-0.02	0.500/40	0.01/-0.40	-0.75/-1.84	-2.89/-2.71	-2.81/-2.43	-6.07/-6.64
Θ(45°)	-5.38/-2.86	-3.04/-2.41	-1.60/-0.74	0.771/1.98	1.731/0.1	0.830/1.85	3.553/32	3.143/16	3.383/26	2.181/23	0.710/-0.34	-0.56/-0.74	-1.49/-1.14	0.551/5.4	2.041/69	1.330/92	-0.08/-1.67	-2.03/-1.61	-0.93/-1.07	-2.06/-2.06	-0.42/-0.83	-2.80/-2.30	-1.99/-1.36	-4.26/-5.90
Θ(52.5°)	-2.77/-1.87	-2.87/-1.74	-0.360/4.8	1.672/0.5	1.432/0.9	2.482/0.8	2.674/0.8	4.182/9.4	3.013/0.5	2.241/7.7	1.531/4.2	0.81/-0.21	-1.61/-0.17	1.312/6.1	3.453/0.2	1.981/50	-0.21/-2.25	-3.60/-3.12	-3.58/-2.61	-1.34/-0.72	-0.06/-0.23	-2.20/-1.37	-0.440/20	-1.84/-3.54
Θ(60°)	0.06/-0.26	-2.09/-1.10	-0.150/-4.9	1.581/1.9	2.192/59	1.37/-0.21	0.723/56	4.813/9.4	2.302/4.5	2.211/60	1.442/28	1.921/29	0.650/77	1.142/56	4.163/64	1.530/70	-1.04/-3.09	-5.15/-6.13	-5.59/-4.11	-2.49/-0.86	-0.470/31	-1.58/-0.23	0.360/89	-0.94/-0.88
Θ(67.5°)	1.510/59	-1.30/-0.70	-0.78/-0.68	0.750/86	2.101/61	-0.47/-1.22	0.322/33	3.313/41	1.811/87	2.151/20	1.592/20	2.101/03	1.882/00	0.932/49	4.113/39	0.99/-0.91	-2.66/-3.78	-5.43/-7.39	-6.21/-6.28	-3.23/-1.08	-1.15/-0.27	-0.480/60	-0.05/-0.15	-1.030/88
Θ(75°)	1.710/56	-1.50/-0.58	-1.43/-1.91	-0.63/-0.64	0.49/-0.69	-1.97/-1.68	-0.950/15	1.442/31	1.790/88	1.981/68	1.451/33	1.950/72	1.321/89	0.871/28	2.632/81	0.31/-2.05	-4.82/-4.19	-5.69/-7.04	-6.51/-7.67	-3.91/-1.70	-2.05/-1.38	-1.100/64	-1.12/-1.70	-1.510/87
Θ(82.5°)	0.74/-0.94	-2.21/-2.03	-2.72/-3.39	-2.67/-1.85	-1.39/-3.15	-3.60/-2.52	-2.18/-1.63	0.202/0.9	1.450/-15	1.201/18	1.181/18	1.13/-0.94	0.971/0.08	-0.050/0.4	0.400/63	-0.69/-4.17	-6.18/-5.42	-7.45/-7.46	-7.72/-8.06	-4.99/-2.36	-2.36/-2.71	-2.34/-0.08	-2.02/-3.24	-2.780/0.4
Θ(90°)	-0.92/-2.42	-3.42/-3.87	-4.47/-5.09	-5.61/-3.36	-3.18/-5.22	-4.58/-3.85	-4.23/-2.68	-0.961/65	1.25/-0.46	0.200/18	0.94/-0.26	-0.16/-1.02	-0.91/-0.93	-2.16/-2.18	-1.73/-0.80	-1.32/-2.94	-6.68/-6.92	-8.24/-9.78	-10.29/-11.35	-6.01/-3.75	-3.42/-3.32	-5.41/-1.66	-4.02/-4.42	-4.85/-1.10
Θ(97.5°)	-3.20/-5.40	-5.69/-6.16	-6.24/-6.36	-6.66/-5.05	-4.91/-6.96	-5.41/-4.81	-6.08/-4.04	-1.510/99	0.59/-1.61	-1.38/-0.76	-0.46/-0.89	-2.23/-3.98	-1.51/-2.20	-4.00/-4.45	-4.41/-3.26	-2.38/-4.74	-9.05/-8.10	-9.29/-9.68	-11.63/-11.52	-6.85/-4.40	-5.86/-5.63	-6.56/-4.73	-6.67/-5.17	-7.24/-3.45
Θ(105°)	-4.96/-6.53	-7.08/-7.77	-7.51/-7.68	-8.05/-7.04	-7.33/-7.97	-8.61/-4.47	-6.28/-4.11	-3.33/-0.98	-0.24/-2.89	-2.90/-2.55	-1.86/-2.52	-3.96/-3.51	-4.50/-5.04	-6.05/-0.51	-6.68/-6.83	-3.77/-4.80	-12.17/-10.08	-8.49/-11.57	-10.45/-10.95	-11.11/-6.99	-8.55/-8.78	-5.79/-7.32	-1.01/-1.87	-11.23/-6.17
Θ(112.5°)	-7.62/-8.02	-8.65/-7.87	-7.69/-8.26	-8.17/-6.45	-7.62/-9.58	-7.62/-9.58	-5.40/-5.06	-5.11/-2.44	-2.66/-4.45	-4.77/-4.39	-3.89/-4.92	-5.23/-6.23	-5.43/-5.90	-7.57/-10.76	-6.53/-8.32	-10.37/-13.19	-16.09/-16.15	-12.76/-15.12	-14.18/-11.33	-11.33/-13.21	-6.28/-7.14	-13.31/-9.62	-11.71/-8.18	
Θ(120°)	-8.00/-8.84	-9.53/-8.22	-9.74/-10.11	-10.35/-11.06	-10.19/-10.62	-8.56/-7.61	-6.52/-5.54	-4.79/-3.48	-3.43/-6.03	-7.01/-6.45	-5.48/-7.24	-5.63/-4.97	-7.37/-8.92	-6.71/-5.56	-8.63/-6.96	-8.33/-9.62	-8.35/-8.67	-14.99/-13.14	-15.53/-14.64	-12.68/-10.75	-15.56/-13.70	-12.13/-7.70	-9.29/-10.91	-11.39/-7.17
Θ(127.5°)	-9.32/-11.89	-12.26/-11.12	-11.16/-10.06	-11.99/-12.48	-11.49/-11.01	-7.61/-6.12	-7.08/-6.36	-5.65/-5.27	-8.67/-8.12	-6.87/-6.35	-7.65/-6.72	-7.63/-9.70	-7.81/-8.99	-11.43/-8.93	-7.88/-6.93	-10.09/-8.90	-10.43/-7.10	-11.28/-8.27	-15.94/-12.59	-10.64/-13.29	-15.80/-12.19	-12.56/-12.48	-10.09/-13.24	-10.85/-9.00
Θ(135°)	-13.00/-11.40	-11.87/-12.33	-10.53/-13.26	-10.96/-9.92	-10.80/-8.80	-8.27/-9.03	-10.34/-9.05	-7.93/-6.25	-7.76/-6.55	-8.62/-9.36	-10.72/-9.91	-7.65/-9.62	-9.46/-11.22	-15.60/-15.93	-13.00/-11.69	-11.70/-14.73	-15.90/-15.26	-14.66/-12.59	-15.38/-14.58	-15.00/-13.69	-12.93/-16.48	-13.19/-12.95	-11.92/-12.64	
Θ(142.5°)	-14.64/-11.97	-11.41/-13.75	-11.80/-10.88	-11.09/-10.75	-11.87/-10.90	-9.24/-9.43	-9.17/-8.47	-7.84/-7.72	-9.43/-10.89	-9.17/-9.64	-11.64/-10.65	-9.93/-7.85	-8.60/-8.96	-11.59/-9.88	-9.83/-10.45	-13.88/-15.67	-15.23/-15.31	-15.37/-12.91	-15.50/-14.77	-13.98/-15.10	-15.20/-15.33	-15.59/-15.22	-14.53/-14.23	-12.65/-12.96
Θ(150°)	-14.98/-12.74	-14.01/-14.85	-14.47/-12.76	-13.01/-13.48	-11.84/-11.61	-11.92/-11.46	-10.13/-9.89	-8.33/-8.69	-8.68/-8.88	-10.60/-10.16	-8.58/-8.69	-10.74/-10.94	-9.63/-8.84	-9.32/-10.09	-9.28/-8.75	-13.56/-13.97	-12.58/-13.81	-15.75/-12.51	-15.65/-15.96	-15.09/-13.93	-15.06/-14.37	-15.52/-15.27	-15.10/-15.33	-14.18/-15.34
Θ(157.5°)	-13.67/-13.14	-13.38/-13.72	-13.89/-13.71	-14.35/-13.43	-13.18/-11.61	-11.39/-10.80	-12.09/-11.19	-10.65/-10.02	-9.30/-10.32	-11.10/-10.88	-12.44/-12.78	-11.52/-12.12	-13.61/-11.65	-10.02/-11.32	-13.94/-14.72	-14.27/-11.47	-13.14/-14.88	-13.64/-12.12	-15.27/-15.61	-13.73/-15.71	-14.93/-15.56	-15.69/-14.02	-13.20/-13.17	-13.66/-13.65
Θ(165°)	-12.61/-12.83	-15.58/-14.72	-13.01/-12.58	-12.23/-14.50	-14.05/-14.35	-13.49/-12.81	-11.75/-11.55	-11.72/-9.73	-9.36/-8.14	-8.70/-11.00	-12.18/-11.48	-12.14/-13.32	-13.16/-13.41	-14.53/-14.13	-13.88/-14.54	-15.14/-15.09	-15.00/-15.29	-15.63/-14.59	-13.93/-13.53	-15.86/-13.03	-12.13/-13.00	-12.94/-15.55	-15.77/-12.11	
Θ(172.5°)	-14.82/-15.42	-15.30/-15.17	-15.96/-15.58	-15.98/-15.45	-15.29/-14.27	-13.68/-14.18	-12.32/-12.69	-12.09/-13.52	-12.62/-12.47	-11.96/-10.81	-10.11/-10.04	-11.47/-13.61	-14.37/-13.61	-13.26/-14.49	-15.35/-14.81	-15.15/-16.11	-15.90/-15.38	-16.21/-14.20	-15.02/-14.44	-14.09/-14.49	-15.84/-15.16	-15.51/-14.98	-14.63/-15.25	-15.89/-14.85
Θ(180°)	-12.99/-12.59	-12.07/-11.46	-11.24/-11.71	-11.91/-12.13	-10.56/-10.27	-11.39/-11.14	-10.86/-10.98	-12.26/-10.94	-11.23/-12.53	-12.94/-12.77	-13.26/-14.15	-13.94/-12.87	-13.00/-13.05	-14.01/-14.71	-14.92/-14.29	-14.13/-12.78	-12.29/-11.66	-11.57/-11.97	-12.20/-12.31	-12.79/-14.17	-12.70/-12.48	-12.63/-13.27	-12.98/-12.71	-13.13/-13.94
Freq(Hz)	2.450/Pol.	TotalAnt 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	-13.45/-14.27	-13.99/-14.66	-12.82/-14.25	-13.44/-14.20	-14.71/-14.88	-15.13/-15.79	-15.42/-15.13	-15.66/-15.69	-15.31/-15.73	-15.92/-16.23	-15.86/-15.57	-15.68/-16.09	-15.13/-15.73	-15.92/-15.38	-15.92/-15.59	-15.26/-12.38	-13.62/-13.05	-12.60/-12.88	-12.70/-13.07	-13.05/-12.92	-13.02/-13.08	-12.77/-12.65	-12.99/-12.71	-13.39/-13.91
Θ(7.5°)	-14.26/-13.25	-13.45/-12.72	-11.76/-11.05	-10.59/-10.39	-10.44/-10.19	-10.28/-10.29	-10.60/-10.60	-10.75/-10.92	-10.75/-10.46	-10.14/-9.97	-9.97/-10.11	-10.29/-10.51	-10.81/-10.92	-10.93/-11.31	-12.02/-12.38	-12.72/-13.03	-13.90/-14.18	-14.46/-14.63	-14.44/-14.80	-14.00/-14.01	-14.18/-15.17	-15.32/-14.72	-14.97/-15.71	-15.61/-14.98
Θ(15°)	-7.12/-6.84	-6.68/-6.39	-6.05/-5.65	-5.26/-4.92	-4.71/-4.74	-4.79/-4.90	-5.07/-5.21	-5.41/-5.56	-5.47/-5.29	-4.99/-4.72	-4.50/-4.33	-4.17/-4.16	-4.30/-4.43	-4.53/-4.75	-5.16/-5.48	-5.92/-6.19	-6.28/-6.25	-6.07/-5.88	-5.73/-5.57	-5.45/-5.56	-6.04/-6.70	-7.49/-8.02	-8.45/-8.77	-8.62/-8.28
Θ(22.5°)	-2.92/-2.72	-2.62/-2.60	-2.39/-2.11	-1.78/-1.55	-1.49/-1.58	-1.73/-1.99	-2.37/-2.10	-3.25/-3.51	-3.41/-3.02	-2.54/-2.10	-1.70/-1.34	-1.02/-0.78	-0.66/-0.68	-0.79/-0.96	-1.17/-1.35	-1.48/-1.59	-1.56/-1.41	-1.20/-0.96	-0.70/-0.61	-0.57/-0.74	-1.19/-1.94	-2.82/-3.57	-4.06/-4.21	-4.05/-3.63
Θ(30°)	-0.18/-0.03	0.040/-17	0.360/66	0.941/12	1.201/20	1.050/75	0.21/-0.49	-1.28/-1.86	-0.22/-1.66	-1.00/-0.33	0.230/67	1.061/35	1.531/59	1.551/47	1.431/42	1.411/42	1.451/47	1.581/73	2.002/21	2.322/21	1.821/06	0.03/-0.93	-1.54/-1.52	-1.02/-0.89
Θ(37.5°)	1.481/58	1.671/83	2.082/38	2.612/77	2.822/83	2.672/34	1.791/11	0.320/-0.33	-0.71/-0.62	-0.80/-0.56	1.141/61	1.992/29	2.472/60	2.692/78	2.882/97	3.043/11	3.113/01	2.902/91	3.123/43	3.653/61	3.262/54	1.450/35	-0.24/-0.14	0.320/81
Θ(45°)	2.232/31	2.382/58	2.843/15	3.383/58	3.643/59	3.352/95	2.371/69	0.990/45	0.130/-18	0.611/16	1.682/00	2.172/29	2.372/46	2.642/89	3.073/17	3.283/43	3.523/46	3.243/01	3.093/47	3.904/03	3.793/09	2.040/97	0.470/65	1.151/66
Θ(52.5°)	2.272/32	2.472/63	2.863/12	3.323/48	3.543/49	3.312/95	2.441/74	0.950/52	0.500/75	1.071/35	1.621/66	1.581/41	1.311/59	2.042/39	2.482/45	2.962/69	2.942/99	2.772/39	2.262/63	3.233/55	3.352/64	1.530/67	0.490/84	1.371/85
Θ(60°)	1.781/79	1.982/18	2.362/54	2.692/73	2.732/75	2.802/75	2.451/79	0.920/23	0.															



Antenna Pattern_Radio 1_2.4GHz, Radio 2_5GHz UNII 1~3

Appendix H

θ(45°)	-2.16/2.04	-3.25/4.68	-4.95/3.53	-2.24/-1.87	-2.45/-3.60	-4.84/6.26	-6.05/4.93	-4.24/4.34	-4.98/-5.05	-4.57/-5.51	-4.69/-2.76	-2.24/-2.57	-3.43/-3.21	-2.31/-1.75	-1.06/-0.71	-1.12/-1.53	-1.11/-0.52	-0.03/-0.25	-0.75/-0.97	-0.81/-0.84	-1.27/0.89	-0.38/0.18	-0.23/-1.85	-2.33/-2.06
θ(52.5°)	0.03/1.24	0.55/-0.24	-0.71/-0.37	-0.19/-0.75	-1.39/-2.22	-4.46/-6.44	-6.01/-4.66	-3.83/-3.96	-3.81/-3.22	-5.15/-6.56	-4.74/-4.24	-5.08/-5.14	-5.64/-3.41	-1.98/-1.43	-1.51/-2.31	-2.88/-2.02	0.66/-0.43	-1.13/-1.13	-0.69/-0.30	-0.87/-1.66	-1.37/0.27	0.87/-1.02	-2.70/-1.93	
θ(60°)	1.57/2.95	2.49/1.78	1.72/1.80	1.58/0.50	-0.64/-1.85	-3.34/-2.80	-2.16/-2.78	-1.84/-1.75	-2.45/-1.86	-2.52/-2.64	-2.42/-3.32	-3.94/-6.82	-10.14/-6.59	-3.86/-3.50	-0.66/-7.43	-6.78/-4.46	-1.89/-0.87	-1.22/-3.62	-0.96/-3.15	-1.62/-0.77	-1.61/-0.43	0.64/0.22	-1.16/-0.45	
θ(67.5°)	2.01/3.58	3.08/2.25	2.18/2.46	1.83/0.18	-0.82/-2.01	-2.65/-0.76	0.40/0.22	0.10/-0.65	-0.57/-0.01	-0.42/-0.50	-0.52/-0.77	0.07/-1.11	-2.54/-2.95	-2.49/-2.65	-5.04/-4.53	-3.26/-3.37	-2.09/-1.22	-3.05/-3.75	-2.71/-1.85	-0.45/-0.18	-0.59/-1.73	-2.74/-0.91	0.19/0.07	-0.83/0.26
θ(75°)	1.57/2.86	2.15/-1.47	1.81/2.28	1.62/0.33	-0.62/-1.21	-1.78/-0.42	0.99/0.97	1.10/-0.01	-0.24/-0.21	0.35/0.45	-0.67/-1.87	0.52/-1.14	-0.26/-0.28	-2.58/-1.90	-3.39/-3.21	-2.15/-2.22	-2.32/-1.44	-1.26/-0.86	-0.88/-0.60	0.07/-0.05	-1.46/-2.85	-3.64/-2.41	-1.29/-0.84	-0.50/-0.02
θ(82.5°)	-0.35/-1.11	0.18/0.17	0.43/-1.32	0.64/-0.94	-1.73/-1.85	-2.46/-0.90	0.21/0.18	0.11/-0.62	-1.18/-1.37	-0.19/-0.75	-2.36/-2.90	0.04/-2.64	-3.54/-3.15	-3.96/-3.69	-3.15/-2.29	-2.35/-1.95	-0.24/-0.56	-0.81/-0.03	-0.12/-0.50	-2.20/-4.67	-5.37/-3.66	-3.06/-2.23	-1.63/-1.03	
θ(90°)	-2.31/-0.81	-1.67/-1.74	-1.55/-0.48	-1.26/-2.66	-3.10/-2.78	-3.95/-2.70	-0.56/-1.04	-2.16/-1.58	-2.55/-3.19	-1.85/-2.36	-3.93/-5.96	-3.01/-1.37	-1.46/-3.84	-5.53/-5.64	-6.10/-6.24	-6.07/-4.04	-3.72/-2.64	-0.88/-1.67	-2.39/-0.99	-1.22/-2.42	-4.26/-7.08	-7.88/-6.11	-5.26/-3.42	-3.01/-2.65
θ(97.5°)	-3.75/-2.65	-3.46/-3.68	-3.16/-2.59	-3.28/-4.86	-4.80/-4.59	-6.27/-4.71	-1.93/-2.50	-5.15/-2.98	-4.90/-5.79	-4.15/-3.43	-5.90/-9.71	-4.44/-3.72	-2.81/-6.84	-7.87/-8.73	-8.61/-8.51	-9.49/-7.32	-6.93/-4.59	-2.87/-5.04	-5.02/-3.40	-3.68/-5.22	-7.14/-9.15	-10.07/-9.08	-6.68/-4.67	-4.97/-3.94
θ(105°)	-5.89/-4.44	-4.40/-5.07	-4.50/-4.77	-5.25/-6.34	-8.58/-7.93	-8.37/-7.08	-4.11/-4.44	-6.05/-5.71	-7.39/-8.08	-7.28/-6.88	-7.29/-8.95	-6.70/-8.13	-6.76/-8.33	-9.05/-11.91	-11.90/-9.73	-13.26/-12.69	-12.76/-8.67	-7.27/-8.76	-10.42/-8.08	-8.68/-8.07	-11.75/-12.26	-12.91/-13.07	-10.30/-6.98	-7.79/-6.40
θ(112.5°)	-8.91/-7.67	-7.40/-7.18	-6.41/-7.58	-7.76/-9.48	-11.73/-10.86	-9.16/-8.16	-6.65/-7.65	-7.73/-8.83	-9.91/-8.30	-10.66/-9.59	-10.49/-9.40	-8.75/-8.13	-9.58/-10.81	-11.24/-13.87	-13.19/-11.46	-12.59/-14.09	-13.84/-13.77	-11.14/-15.09	-13.85/-10.88	-12.97/-12.04	-12.85/-12.76	-13.23/-12.56	-10.82/-9.71	-11.34/-9.37
θ(120°)	-10.10/-10.08	-10.13/-10.49	-9.86/-9.92	-9.96/-10.65	-11.17/-12.05	-12.24/-10.53	-10.25/-10.50	-10.35/-10.70	-10.73/-10.76	-12.93/-12.71	-12.83/-11.87	-9.71/-9.56	-12.92/-13.26	-13.24/-15.86	-15.66/-13.47	-13.66/-14.16	-12.92/-12.95	-10.78/-13.89	-15.18/-10.38	-9.98/-10.85	-14.94/-15.40	-13.44/-13.67	-11.83/-11.49	-12.20/-10.46
θ(127.5°)	-10.85/-10.71	-9.64/-9.80	-11.00/-10.45	-11.53/-11.80	-13.93/-13.97	-14.76/-13.71	-11.52/-10.17	-11.73/-13.22	-11.68/-13.39	-14.03/-13.59	-15.51/-14.45	-11.46/-11.09	-13.16/-15.25	-15.06/-15.18	-14.67/-13.66	-14.38/-13.37	-10.63/-13.04	-11.62/-15.03	-13.11/-10.67	-10.51/-13.48	-15.60/-15.53	-12.77/-15.25	-14.68/-14.93	-14.68/-11.41
θ(135°)	-13.75/-13.51	-14.02/-14.73	-13.96/-12.90	-12.16/-12.91	-12.66/-14.12	-14.74/-13.93	-12.30/-13.77	-15.66/-13.76	-14.23/-15.98	-15.31/-13.89	-15.14/-15.38	-14.54/-14.37	-14.16/-13.98	-15.21/-15.85	-15.35/-15.37	-15.74/-13.95	-14.57/-15.29	-15.37/-15.56	-14.33/-13.92	-14.75/-14.04	-15.19/-15.24	-14.52/-15.17	-15.15/-13.40	-15.41/-13.71
θ(142.5°)	-11.92/-12.69	-12.95/-13.63	-14.00/-12.90	-12.52/-12.74	-14.93/-14.84	-14.94/-15.55	-15.25/-15.05	-13.98/-14.06	-15.88/-15.62	-14.97/-14.05	-15.18/-15.33	-14.05/-14.63	-12.78/-13.02	-14.66/-15.56	-16.14/-15.34	-15.44/-14.60	-15.48/-13.89	-15.69/-15.66	-14.55/-13.33	-14.60/-14.45	-15.37/-15.04	-14.80/-15.15	-14.82/-13.71	
θ(150°)	-15.98/-15.68	-14.96/-13.62	-14.11/-14.99	-15.26/-15.73	-15.44/-16.11	-14.81/-15.18	-15.53/-14.57	-13.28/-16.13	-15.67/-15.24	-15.81/-15.54	-15.39/-14.60	-14.59/-14.73	-16.01/-14.77	-14.77/-14.23	-15.81/-15.23	-14.31/-13.44	-15.64/-14.85	-15.66/-15.45	-14.59/-15.93	-15.73/-15.68	-15.23/-15.18	-15.01/-15.31	-15.29/-15.28	
θ(157.5°)	-13.66/-14.00	-15.11/-15.26	-15.53/-15.48	-15.07/-15.65	-15.94/-15.23	-14.88/-15.13	-15.71/-15.34	-15.52/-15.46	-15.32/-14.95	-15.52/-15.93	-15.44/-15.42	-15.62/-15.56	-13.77/-14.97	-15.10/-15.05	-15.26/-15.80	-15.71/-14.43	-15.52/-15.33	-14.63/-15.75	-15.51/-15.69	-14.88/-13.72	-15.18/-14.84	-15.42/-15.13	-15.40/-15.77	-13.80/-14.30
θ(165°)	-15.18/-14.94	-15.18/-15.05	-15.58/-14.66	-15.61/-16.09	-14.41/-15.60	-15.11/-15.76	-15.94/-15.15	-15.63/-15.83	-15.78/-14.77	-15.32/-15.96	-16.09/-14.74	-16.10/-14.63	-15.31/-15.66	-15.15/-15.22	-15.56/-15.28	-15.00/-15.57	-14.94/-15.06	-15.75/-16.02	-15.41/-14.47	-15.11/-15.00	-14.33/-14.86	-14.60/-14.82	-15.01/-15.76	-15.42/-15.45
θ(172.5°)	-15.06/-15.17	-15.76/-16.13	-15.88/-16.14	-15.68/-16.81	-14.81/-15.38	-15.24/-15.48	-15.54/-14.61	-14.88/-15.48	-16.19/-15.56	-14.93/-15.08	-15.76/-15.64	-15.22/-14.17	-15.48/-15.47	-15.00/-15.44	-15.62/-15.26	-15.89/-14.93	-15.23/-15.53	-15.70/-14.55	-15.49/-14.91	-14.86/-15.98	-15.33/-14.94	-14.28/-13.47	-14.17/-14.29	
θ(180°)	-14.81/-15.66	-15.49/-15.46	-14.38/-15.73	-15.33/-15.38	-15.06/-15.96	-15.27/-14.81	-15.62/-14.77	-15.00/-15.90	-16.20/-15.62	-15.61/-15.03	-15.11/-14.89	-15.70/-15.24	-15.71/-15.49	-16.31/-14.89	-15.15/-15.31	-15.45/-15.52	-14.98/-14.61	-15.46/-15.96	-15.36/-14.60	-15.56/-15.40	-14.49/-14.63	-14.53/-15.12	-15.50/-15.19	-15.46/-15.50
Freq(Hz)	5.785GPol.	TotalAnt.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
θ(0°)	-7.37/-7.50	-7.47/-7.77	-7.85/-7.32	-7.21/-7.29	-7.34/-7.06	-6.92/-6.72	-7.13/-7.33	-6.45/-5.83	-6.12/-6.55	-6.56/-6.25	-5.97/-5.96	-6.21/-6.35	-6.10/-6.01	-6.18/-6.56	-7.06/-7.34	-7.48/-7.19	-6.94/-7.45	-6.83/-7.78	-7.20/-7.25	-7.24/-7.58	-7.46/-7.30	-7.64/-7.92	-7.72/-7.33	-7.70/-6.91
θ(7.5°)	-5.45/-6.00	-6.47/-6.42	-5.97/-6.40	-6.95/-7.19	-4.44/-7.79	-7.89/-7.78	-7.89/-7.78	-8.21/-7.24	-6.45/-6.68	-7.21/-7.17	-6.68/-6.46	-6.54/-6.75	-6.91/-7.08	-7.08/-7.22	-7.49/-7.78	-8.09/-8.08	-7.35/-7.34	-7.93/-7.52	-6.95/-6.38	-6.03/-5.74	-6.75/-5.46	-5.41/-5.55	-5.14/-7.41	-4.88/-5.18
θ(15°)	-3.55/-3.99	-4.32/-4.75	-4.86/-5.17	-5.15/-4.50	-5.67/-5.65	-5.48/-5.42	-6.00/-5.70	-5.52/-6.34	-5.00/-5.68	-4.43/-4.69	-5.32/-5.55	-5.80/-6.66	-7.53/-8.43	-9.01/-8.57	-8.82/-9.47	-9.79/-10.03	-10.29/-10.11	-9.69/-8.48	-7.51/-6.93	-6.28/-5.56	-5.36/-5.04	-4.32/-3.70	-3.42/-3.36	
θ(22.5°)	-4.21/-5.19	-5.57/-6.37	-7.07/-7.16	-7.04/-6.67	-6.35/-5.74	-4.83/-3.71	-3.10/-2.69	-2.18/-2.47	-3.53/-4.55	-4.60/-4.00	-4.01/-4.86	-6.19/-8.76	-7.04/-10.02	-9.33/-8.76	-8.80/-9.11	-8.88/-7.97	-7.35/-7.21	-7.17/-6.80	-6.28/-5.71	-4.88/-4.25	-3.88/-3.81	-4.23/-4.21	-3.41/-2.93	-3.01/-3.47
θ(30°)	-4.09/-6.78	-6.72/-4.73	-8.19/-8.32	-8.17/-8.21	-8.11/-7.39	-6.62/-5.45	-3.77/-2.08	-1.84/-2.63	-2.94/-3.11	-4.29/-5.85	-7.85/-9.97	-10.01/-11.04	-8.09/-10.70	-10.16/-8.50	-6.52/-5.80	-5.96/-6.78	-7.69/-11.03	-13.09/-11.52	-8.94/-6.88	-5.99/-5.05	-3.86/-3.18	-2.95/-2.22	-1.01/-0.77	-1.54/-3.29
θ(37.5°)	-3.59/-4.73	-5.00/-5.68	-5.30/-5.38	-5.97/-6.03	-5.99/-6.61	-7.09/-6.28	-5.55/-3.74	-2.32/-2.05	-2.17/-2.10	-3.55/-7.64	-9.61/-8.60	-9.40/-10.32	-7.68/-11.53	-8.24/-7.00	-6.85/-6.91	-5.96/-6.04	-7.12/-6.71	-8.84/-2.37	-2.23/-1.91	-1.75/-2.37	-2.02/-1.37	-0.19/-0.70	-1.23/-2.96	
θ(45°)	-2.31/-2.34	-3.15/-3.09	-2.58/-3.12	-3.54/-4.20	-5.20/-5.78	-5.57/-5.51	-4.76/-3.16	-1.78/-1.54	-1.53/-1.36	-2.85/-6.23	-8.04/-7.39	-5.78/-4.21	-4.62/-6.60	-5.95/-4.83	-4.17/-3.43	-2.33/-3.29	-3.54/-3.48	-2.38/-1.52	-1.86/-2.19	-1.63/-1.25	-1.66/-1.72	-1.27/-1.08	-0.92/-2.51	-4.38/-3.25
θ(52.5°)	-0.38/-0.39	-1.86/-1.62	-0.97/-0.88	-1.79/-2.48	-3.11/-3.72	-3.98/-4.82	-7.10/-4.19	-1.85/-1.51	-1.30/-0.87	-3.16/-5.68	-7.69/-8.92	-6.29/-5.28	-6.57/-5.13	-3.99/-3.61	-3.59/-2.66	-2.87/-2.68	-2.19/-1.08	-1.74/-2.82	-1.58/-0.72	-0.96/-0.80	-1.93/-2.20	-1.89/-1.48	-1.54/-1.49	-4.66/-2.20
θ(60°)	0.49/1.15	0.13/0.17	0.78/0.23	-1.49/-2.16	-2.19/-3.11	-3.23/-3.49	-4.34/-2.58	-1.76/-2.06	-1.67/-1.66	-1.22/-2.78	-6.75/-7.58	-5.13/-9.20	-5.57/-5.82	-4.96/-4.05	-6.06/-5.77	-4.63/-4.83	-4.70/-3.26	-3.54/-5.21	-4.90/-2.93	-2.17/-0.84	-1.29/-1.66	-1.21/-1.81	-2.45/-4.12	-3.81/-0.73
θ(67.5°)	0.84/0.96	-0.05/0.56	1.43/1.07	-0.41/-1.51	-0.83/-2.31	-2.72/-3.54	-3.12/0.23	-0.19/-1.17	-1.37/-2.06	-0.61/-1.67	-3.27/-3.20	-3.39/-4.33	-3.72/-3.29	-4.16/-4.92	-6.93/-6.50	-4.30/-3.48	-3.49/-3.83	-3.96/-3.93	-5.42/-2.63	-2.23/-0.73	-1.21/-1.74	-1.67/-2.19	-2.52/-3.89	-0.99/-0.67
θ(75°)	0.15/0.20	-1.32/-0.02	1.03/2.22	-0.46/-0.86	-0.49/-0.61	-2.00/-2.86	-2.23/0.56	-0.42/-1.24	-1.77/-3.12	-0.97/-0.96	-2.41/-3.43	-2.04/-1.06	-1.75/-2.04	-5.23/-4.86	-5.18/-5.77	-4.66/-4.46	-2.98/-1.63	-2.79/-0.75	-1.85/-1.89	-0.70/-1.31	-2.08/-2.95	-2.59/-2.75	-3.73/-3.73	-3.04/-2.16
θ(82.5°)	-1.26/-1.32	-2.20/-0.93	0.13/0.34	-1.64/-2.61	-1.77/-2.02	-2.86/-2.87	-1.77/0.68	-1.91/-2.49	-3.00/-2.68	-1.63/-2.30	-3.57/-3.12	-1.68/-1.76	-2.04/-4.48	-6.04/-5.47	-5.00/-4.69	-6.30/-7.05	-3.06/-1.41	-1.53/-1.77	-0.77/-1.32	-0.50/-2.69	-2.94/-3.37	-4.18/-3.20	-4.27/-3.35	-3.09/-2.49
θ(90°)	-2.14/-1.21	-1.94/-1.25	-1.37/-1.74	-3.54/-4.09	-2.57/-3.64	-4.72/-4.54	-1.88/-0.51	-4.07/-3.18	-5.03/-5.21	-2.91/-3.15	-5.00/-5.52	-4.13/-4.07	-3.90/-4.64	-6.15/-8.30	-7.12/-5.87	-7.25/-9.45	-6.63/-2.55	-6.05/-3.19	-2.61/-2.22	-1.43/-4.26	-6.47/-7.05	-8.40/-7.25	-6.09/-4.15	-3.96/-3.40
θ(97.5°)																								



Antenna Pattern_Radio 1_2.4GHz, Radio 2_5GHz UNII 1~3

Appendix H

Θ(97.5°)	-7.31/-7.95	-7.87/-8.51	-9.21/-9.63	-7.24/-7.40	-7.02/-6.84	-6.09/-4.33	-3.29/-2.53	-2.52/-2.99	-3.29/-3.74	-3.30/-2.07	-2.20/-3.24	-3.65/-3.12	-3.20/-3.33	-3.61/-6.23	-7.04/-7.09	-7.42/-8.99	-5.59/-4.64	-3.98/-3.48	-3.81/-3.89	-5.26/-3.99	-1.63/-2.79	-5.82/-8.54	-8.84/-7.49	-5.86/-8.34
Θ(105°)	-9.28/-9.76	-10.40/-10.28	-12.38/-10.99	-10.47/-11.23	-10.14/-9.23	-8.16/-6.67	-6.48/-5.76	-5.75/-4.91	-4.60/-5.55	-5.52/-4.73	-5.14/-5.66	-5.94/-5.76	-7.23/-5.46	-5.94/-7.81	-8.69/-9.37	-9.37/-10.99	-8.11/-7.71	-8.78/-7.35	-7.90/-7.86	-9.21/-9.43	-6.80/-8.14	-11.15/-13.01	-14.57/-10.38	-8.22/-10.59
Θ(112.5°)	-11.65/-12.38	-10.65/-12.18	-13.92/-11.13	-12.24/-12.17	-12.52/-10.96	-8.81/-8.63	-8.76/-8.86	-8.41/-7.45	-7.40/-7.82	-7.56/-6.81	-6.50/-4.90	-7.35/-7.19	-7.94/-7.82	-8.31/-10.76	-10.93/-10.96	-11.56/-12.69	-8.66/-8.37	-11.13/-10.55	-10.50/-9.24	-10.07/-15.03	-12.71/-12.17	-13.42/-15.30	-13.79/-12.06	-11.54/-12.35
Θ(120°)	-15.48/-11.84	-13.45/-14.20	-13.96/-13.64	-13.06/-12.62	-13.94/-13.59	-12.84/-11.25	-10.39/-9.82	-9.57/-9.07	-9.30/-8.83	-8.07/-8.18	-8.25/-9.25	-9.76/-9.47	-10.78/-11.56	-9.93/-11.66	-11.74/-11.94	-13.39/-14.51	-10.95/-8.39	-10.22/-9.73	-11.65/-10.20	-11.74/-14.76	-10.12/-9.14	-11.06/-11.47	-12.40/-13.43	-12.16/-14.66
Θ(127.5°)	-15.42/-13.72	-14.88/-15.75	-15.80/-13.99	-13.65/-14.17	-15.19/-15.13	-14.61/-12.78	-11.50/-9.74	-9.70/-10.77	-10.97/-11.41	-10.66/-10.46	-11.17/-12.52	-11.60/-11.87	-13.26/-12.53	-10.20/-13.23	-15.70/-12.56	-14.74/-14.09	-14.39/-12.11	-10.66/-11.06	-11.92/-12.90	-13.59/-15.04	-10.78/-11.22	-13.88/-13.30	-15.30/-15.11	-13.44/-14.78
Θ(135°)	-11.01/-14.59	-15.07/-15.56	-15.64/-13.85	-15.70/-14.88	-15.30/-15.65	-15.43/-13.15	-11.89/-11.61	-11.45/-11.13	-12.22/-13.67	-13.52/-12.89	-11.46/-13.26	-13.55/-13.85	-14.29/-13.74	-14.55/-14.98	-15.25/-14.06	-15.15/-15.47	-14.31/-14.99	-15.26/-15.06	-15.86/-15.45	-15.23/-15.79	-15.25/-15.87	-14.40/-15.60	-13.62/-14.63	
Θ(142.5°)	-13.95/-14.34	-15.05/-14.69	-15.34/-15.53	-15.15/-15.56	-18.19/-14.15	-12.84/-12.38	-12.08/-12.24	-13.86/-13.53	-12.96/-14.13	-15.50/-14.50	-13.61/-12.81	-12.46/-13.71	-13.88/-14.45	-15.16/-15.59	-14.34/-14.14	-15.49/-15.63	-14.43/-13.78	-14.18/-15.01	-15.79/-15.35	-15.82/-15.16	-14.07/-14.44	-15.59/-15.32	-15.92/-14.87	-15.21/-15.16
Θ(150°)	-12.99/-13.61	-15.30/-15.88	-15.42/-15.49	-15.21/-14.69	-15.40/-14.97	-13.37/-13.64	-14.09/-13.26	-13.70/-15.61	-15.29/-13.54	-13.78/-14.57	-14.28/-15.13	-15.37/-14.17	-13.95/-15.13	-16.06/-15.38	-15.69/-14.87	-15.94/-14.78	-14.57/-13.56	-13.40/-13.67	-14.25/-15.26	-15.89/-15.21	-14.91/-16.02	-15.88/-15.21	-15.30/-14.61	-15.30/-15.93
Θ(157.5°)	-15.64/-15.93	-14.40/-15.54	-15.59/-15.95	-14.56/-14.61	-14.99/-15.95	-15.63/-15.81	-15.03/-15.95	-15.00/-14.97	-15.25/-14.97	-14.78/-13.97	-15.16/-15.41	-14.32/-14.72	-14.73/-15.11	-16.02/-15.47	-15.99/-14.92	-15.56/-15.56	-15.48/-15.17	-15.42/-15.25	-15.14/-15.85	-15.18/-14.96	-16.06/-14.73	-15.04/-15.03	-15.17/-15.12	-15.22/-14.11
Θ(165°)	-15.37/-15.50	-14.97/-15.61	-15.45/-15.26	-15.35/-15.43	-15.33/-15.01	-14.74/-14.76	-15.57/-15.28	-14.81/-14.76	-15.37/-15.11	-15.34/-15.09	-16.00/-15.86	-15.77/-14.57	-15.74/-14.92	-15.29/-14.99	-15.27/-15.57	-15.60/-15.41	-15.04/-15.27	-15.11/-15.16	-14.95/-15.14	-14.77/-16.10	-15.35/-16.05	-15.32/-15.18	-15.06/-15.47	-15.29/-14.99
Θ(172.5°)	-15.82/-15.76	-14.96/-15.40	-15.23/-15.30	-14.52/-15.61	-14.81/-15.30	-15.18/-14.44	-15.14/-15.01	-15.23/-15.48	-15.12/-15.81	-15.50/-14.94	-16.15/-15.27	-14.98/-15.21	-15.33/-15.87	-16.24/-15.64	-15.57/-14.58	-15.07/-15.84	-15.35/-15.24	-15.19/-15.37	-15.31/-14.80	-15.36/-15.07	-14.72/-15.03	-15.60/-15.53	-15.25/-15.37	-15.07/-14.93
Θ(180°)	-14.94/-15.32	-14.61/-15.79	-15.46/-15.42	-14.58/-15.55	-15.62/-15.88	-15.02/-15.74	-15.52/-15.09	-15.23/-15.89	-15.73/-15.54	-15.04/-15.92	-14.90/-15.44	-15.10/-14.91	-15.10/-14.83	-15.68/-15.06	-14.89/-15.12	-15.13/-15.30	-13.61/-14.24	-14.19/-15.06	-14.94/-15.53	-15.09/-15.22	-14.82/-15.37	-14.88/-14.94		
Freq(Hz)	5.6GPol.	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°)	-9.74/-9.24	-8.85/-8.78	-8.72/-8.78	-8.97/-9.25	-9.26/-9.31	-9.46/-9.34	-9.43/-9.74	-10.17/-10.49	-10.75/-10.79	-10.87/-11.06	-10.91/-10.86	-11.32/-11.49	-11.81/-12.04	-13.89/-15.38	-15.00/-15.75	-14.57/-15.71	-14.71/-15.86	-15.97/-15.00	-15.26/-14.83	-15.09/-15.82	-14.46/-14.05	-13.28/-12.20	-11.97/-11.37	
Θ(7.5°)	-14.58/-13.88	-14.00/-14.56	-14.21/-13.68	-13.34/-12.33	-11.88/-12.33	-12.21/-12.49	-13.02/-13.18	-13.10/-13.19	-12.33/-11.46	-10.38/-9.23	-8.47/-7.73	-7.41/-7.27	-6.74/-5.91	-5.70/-5.70	-6.62/-5.66	-6.20/-6.65	-7.08/-7.28	-7.69/-8.03	-8.46/-8.96	-9.27/-9.76	-10.24/-10.65	-11.21/-11.57	-12.12/-13.20	-15.04/-14.85
Θ(15°)	-11.30/-12.01	-12.44/-12.07	-11.07/-9.09	-7.63/-6.46	-6.07/-5.94	-6.09/-6.44	-7.47/-8.48	-9.41/-9.59	-8.78/-7.70	-6.61/-5.83	-5.02/-4.28	-3.75/-3.45	-3.84/-3.42	-2.89/-2.61	-2.77/-3.14	-3.48/-3.64	-3.81/-4.24	-5.01/-6.07	-7.42/-8.53	-9.02/-9.06	-8.93/-8.60	-8.47/-8.34	-9.04/-11.85	
Θ(22.5°)	-8.12/-8.82	-8.31/-7.04	-5.79/-5.14	-5.39/-5.19	-4.51/-3.64	-2.82/-2.78	-3.58/-5.36	-7.84/-9.08	-8.70/-7.20	-5.90/-4.90	-4.13/-3.42	-2.97/-2.46	-2.31/-2.60	-2.96/-3.62	-3.56/-2.81	-1.15/-1.10	-1.28/-1.70	-2.27/-3.00	-3.88/-4.35	-4.12/-4.00	-4.07/-4.59	-5.93/-6.77	-6.94/-7.81	
Θ(30°)	-6.09/-5.90	-4.48/-2.78	-1.24/-0.53	-0.58/-0.73	-1.35/-2.31	-3.42/-3.66	-4.13/-5.31	-7.16/-7.86	-6.52/-5.15	-4.38/-3.50	-3.01/-2.76	-2.35/-2.00	-1.99/-2.24	-2.81/-3.19	-2.98/-2.78	-2.51/-2.44	-2.19/-1.91	-2.23/-3.00	-4.04/-6.09	-8.73/-8.16	-6.26/-4.72	-3.40/-2.56	-2.82/-4.40	-5.87/-6.03
Θ(37.5°)	-4.40/-4.56	-4.50/-3.87	-2.52/-1.25	-0.29/-0.37	-1.34/-2.72	-4.03/-4.16	-3.81/-5.42	-6.64/-8.31	-7.30/-5.36	-4.33/-3.68	-3.60/-3.38	-2.45/-1.28	-0.71/-0.74	-1.58/-2.58	-2.49/-2.28	-1.89/-2.28	-3.06/-3.70	-4.17/-5.05	-6.52/-7.54	-7.10/-5.71	-4.54/-4.59	-4.74/-3.55	-2.38/-1.94	-2.68/-3.63
Θ(45°)	-1.88/-1.44	-1.36/-2.36	-3.50/-3.13	-2.35/-2.22	-1.83/-1.20	-0.73/-0.95	-1.52/-1.96	-2.86/-4.65	-6.29/-6.01	-5.04/-5.06	-3.01/-2.02	-0.15/-0.10	0.82/-1.16	0.26/-0.94	-2.11/-2.02	-0.95/-0.56	-0.81/-2.10	-3.81/-5.45	-5.44/-4.32	-4.01/-3.66	-2.89/-2.30	-4.46/-3.02	-1.66/-1.59	
Θ(52.5°)	-3.13/-1.57	-0.35/-1.03	-1.94/-2.52	-2.80/-2.75	-1.91/-1.06	-2.02/-4.27	-5.15/-5.27	-5.04/-4.77	-4.63/-3.58	-2.82/-1.95	-0.93/-0.24	0.98/-1.56	2.34/-2.05	0.23/-1.28	-1.78/-1.73	-1.25/-0.73	0.58/-0.38	-3.01/-6.06	-5.83/-2.98	-2.20/-2.51	-1.95/-0.79	-1.39/-3.11	-5.36/-7.89	-5.28/-2.56
Θ(60°)	-2.28/-1.62	-0.16/-0.40	-2.37/-5.50	-7.85/-9.12	-6.56/-6.43	-5.42/-6.49	-6.52/-3.31	-2.35/-2.20	-2.87/-2.14	-1.30/-0.67	0.23/-0.93	0.91/-0.70	1.68/-2.40	1.48/-0.15	-0.10/-0.86	-1.93/-2.59	-0.09/-0.56	-1.42/-2.51	-2.53/-4.15	-1.57/-3.47	-2.71/-3.92	-1.35/-3.27	-3.91/-2.48	-3.59/-3.75
Θ(67.5°)	-0.59/-0.26	0.84/-0.52	-1.38/-4.02	-7.25/-8.30	-5.91/-4.46	-2.72/-0.88	-0.50/-0.90	0.95/-0.40	-0.34/-0.05	0.53/-0.64	1.31/-1.49	0.82/-0.23	1.09/-1.73	0.64/-0.29	-0.02/-0.51	-1.57/-4.89	-1.34/-0.65	-0.02/-0.51	-0.36/-0.40	-0.04/-2.28	-1.26/-0.20	-0.79/-2.81	-2.26/-0.03	-0.62/-1.58
Θ(75°)	-0.20/-0.24	1.13/-0.37	-1.02/-2.76	-4.64/-3.73	-3.32/-2.16	0.16/-1.73	2.18/-2.38	2.24/-1.34	0.11/-0.03	0.65/-0.77	0.83/-0.76	0.12/-0.79	-0.36/-0.40	-0.21/-0.17	0.60/-0.11	-1.61/-6.66	-3.17/-0.94	0.20/-0.62	0.59/-1.17	0.29/-1.67	-0.43/-0.79	-0.62/-3.01	-2.30/-0.48	0.52/-1.19
Θ(82.5°)	-1.37/-1.15	-0.34/-1.51	-2.25/-3.68	-4.67/-6.37	-3.59/-2.38	0.21/-1.17	1.42/-1.74	1.88/-1.17	-0.23/-0.58	-0.16/-0.25	-0.06/-0.14	-0.90/-1.29	-1.15/-1.02	-1.06/-0.89	-0.26/-1.30	-2.93/-7.51	-4.64/-1.36	0.29/-0.51	0.63/-0.05	-0.03/-1.42	-0.09/-0.73	-1.25/-3.89	-3.21/-1.35	-0.57/-2.23
Θ(90°)	-3.04/-3.08	-2.47/-4.30	-4.10/-6.31	-6.40/-5.08	-5.17/-3.59	-0.67/-2.72	-0.80/-0.43	0.13/-0.43	-0.17/-2.35	-1.74/-1.61	-1.56/-1.76	-1.98/-2.73	-2.87/-3.31	-2.77/-2.96	-1.37/-2.52	-4.80/-4.76	-6.35/-3.15	-1.11/-0.53	-0.56/-0.02	-1.25/-2.65	-1.10/-3.04	-2.59/-5.61	-5.05/-3.59	-2.51/-4.64
Θ(97.5°)	-5.27/-6.03	-5.12/-6.81	-6.98/-9.31	-7.78/-7.49	-7.28/-5.36	-2.99/-4.33	-3.45/-2.51	-1.62/-2.28	-3.92/-4.74	-4.07/-3.76	-3.95/-3.72	-4.31/-4.70	-3.76/-5.56	-5.32/-4.69	-3.29/-4.93	-7.09/-10.37	-8.21/-6.85	-4.00/-3.09	-3.20/-2.81	-3.52/-6.02	-3.85/-2.97	-5.58/-8.89	-8.34/-6.18	-5.26/-7.48
Θ(105°)	-7.45/-9.01	-7.71/-9.61	-9.73/-11.43	-9.55/-10.85	-8.75/-7.75	-6.11/-6.80	-6.04/-4.44	-3.81/-5.62	-6.90/-6.66	-6.31/-6.12	-6.22/-6.41	-5.97/-5.99	-5.88/-6.96	-7.13/-7.53	-5.72/-6.89	-8.17/-11.52	-10.94/-9.94	-7.50/-6.79	-7.22/-7.32	-7.24/-12.57	-9.65/-8.48	-10.04/-14.44	-12.39/-8.98	-7.08/-10.12
Θ(112.5°)	-9.43/-11.33	-11.70/-12.77	-13.27/-13.63	-12.44/-13.38	-10.26/-9.24	-8.21/-6.48	-6.91/-7.32	-7.67/-6.55	-8.52/-8.45	-8.80/-7.91	-8.09/-9.01	-7.93/-7.44	-8.67/-8.98	-9.47/-10.06	-8.75/-13.38	-13.36/-9.19	-9.13/-8.88	-9.77/-9.66	-9.05/-13.14	-12.06/-9.59	-10.18/-14.29	-12.97/-11.21	-9.09/-13.39	
Θ(120°)	-13.22/-14.41	-14.56/-14.50	-15.86/-15.52	-14.95/-13.88	-12.08/-11.69	-9.99/-10.07	-10.32/-8.62	-9.43/-8.80	-9.74/-10.65	-10.21/-9.48	-9.98/-10.21	-10.77/-11.57	-10.39/-9.04	-10.49/-11.04	-12.68/-10.43	-11.88/-13.53	-12.22/-8.32	-9.35/-9.33	-9.68/-9.76	-10.54/-12.79	-11.67/-10.19	-13.67/-13.95	-13.61/-13.37	-11.42/-12.49
Θ(127.5°)	-16.09/-15.18	-15.57/-15.34	-15.33/-15.22	-14.70/-13.46	-14.75/-14.62	-12.71/-10.69	-10.94/-10.48	-10.36/-10.22	-11.99/-12.40	-11.41/-10.66	-11.34/-11.87	-11.99/-12.19	-12.11/-12.28	-12.12/-11.57	-14.35/-13.32	-12.60/-13.76	-14.42/-13.08	-13.26/-10.79	-11.80/-13.04	-13.06/-14.73	-14.21/-13.68	-15.56/-14.78	-14.65/-15.05	-15.70/-13.24
Θ(135°)	-13.82/-12.77	-13.74/-15.07	-14.71/-13.68	-12.67/-15.24	-15.40/-15.13	-13.11/-11.12	-11.87/-13.29	-13.67/-14.02	-13.76/-13.21	-12.28/-12.55	-12.84/-12.87	-12.76/-13.11	-14.83/-15.24	-12.57/-14.08	-15.54/-14.83	-16.00/-13.59	-15.42/-15.54	-15.07/-14.96	-14.51/-15.37	-15.43/-15.12	-15.35/-15.25	-16.25/-14.95	-15.10/-15.44	-15.26/-14.58
Θ(142.5°)	-13.26/-13.52	-15.81/-15.77	-15.33/-16.10	-15.07/-15.59	-14.65/-13.03	-11.38/-12.17	-11.37/-12.08	-13.11/-13.32	-13.91/-14.															



Antenna Pattern_Radio 1_2.4GHz, Radio 2_5GHz UNII 1~3

Appendix H

θ(150°)	-13.66/-10.68	-7.55/-8.23	-11.89/-15.81	-15.35/-10.61	-8.08/-8.07	-10.13/-11.31	-9.53/-11.43	-13.50/-9.88	-10.13/-12.76	-10.32/-11.99	-11.76/-10.88	-12.48/-9.38	-8.78/-10.58	-12.28/-12.25	-14.11/-14.68	-14.97/-12.22	-9.18/-10.43	-12.93/-12.04	-11.22/-10.35	-9.10/-7.04	-8.42/-14.45	-15.82/-13.65	-10.47/-12.58	-10.19/-7.80
θ(157.5°)	-9.74/-13.20	-13.00/-10.84	-9.86/-12.42	-15.51/-15.16	-13.71/-12.34	-10.87/-9.42	-9.82/-13.06	-14.51/-12.08	-13.97/-15.56	-15.20/-15.77	-14.95/-13.91	-14.28/-13.25	-13.58/-13.90	-15.07/-13.11	-10.65/-9.41	-8.72/-9.38	-10.96/-11.84	-12.89/-13.01	-12.52/-12.60	-11.57/-10.92	-11.29/-11.57	-11.11/-10.72	-10.09/-13.28	-14.70/-12.08
θ(165°)	-12.81/-14.09	-14.96/-13.59	-9.89/-8.58	-8.41/-9.26	-10.26/-10.30	-11.89/-13.59	-15.43/-15.32	-14.45/-14.89	-15.07/-14.14	-15.43/-15.71	-15.74/-12.16	-10.48/-10.04	-9.35/-9.44	-10.98/-10.60	-9.35/-9.44	-10.55/-12.38	-15.93/-15.31	-14.80/-15.03	-16.06/-15.23	-15.87/-15.00	-14.48/-12.74	-15.64/-13.94	-15.25/-14.21	
θ(172.5°)	-12.31/-12.00	-12.01/-12.11	-13.33/-12.65	-11.89/-11.69	-11.39/-11.50	-11.74/-11.63	-12.12/-13.15	-13.82/-14.84	-15.16/-15.14	-14.77/-14.07	-13.55/-13.00	-12.12/-12.04	-11.65/-11.04	-10.73/-10.78	-11.85/-11.78	-10.93/-10.61	-9.54/-8.78	-8.92/-9.04	-8.54/-8.86	-8.72/-9.02	-9.31/-9.21	-10.12/-11.69	-12.93/-14.61	-15.38/-15.61
θ(180°)	-13.31/-13.37	-13.02/-13.33	-12.49/-10.37	-9.51/-9.06	-9.01/-9.62	-9.87/-10.45	-10.57/-10.66	-10.22/-9.36	-8.90/-8.81	-8.94/-9.13	-9.66/-10.60	-11.39/-12.29	-12.13/-12.01	-12.23/-12.81	-12.59/-11.98	-12.10/-11.96	-12.08/-12.82	-13.83/-14.60	-12.83/-12.60	-12.83/-12.51	-12.46/-12.99	-12.94/-12.87	-12.08/-11.08	-9.94/-9.81
Freq(Hz)	5.3GPol.	TotalAnt.4	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
θ(0°)	-11.43/-11.27	-12.19/-12.16	-12.81/-12.99	-13.55/-13.72	-13.77/-12.94	-13.03/-13.03	-12.45/-12.76	-11.92/-11.30	-10.92/-11.01	-10.64/-11.35	-11.52/-11.31	-11.08/-10.72	-10.38/-10.40	-10.94/-11.07	-11.38/-11.77	-11.23/-10.53	-11.04/-11.64	-11.02/-10.53	-9.93/-9.49	-9.31/-9.30	-8.80/-8.87	-9.20/-9.58	-9.96/-10.57	-11.30/-11.31
θ(7.5°)	-8.79/-8.89	-8.82/-8.10	-8.21/-8.46	-8.60/-8.32	-8.05/-7.39	-7.24/-7.26	-7.16/-7.27	-7.11/-7.08	-6.90/-6.58	-6.58/-7.01	-7.91/-8.41	-9.13/-9.65	-9.59/-9.12	-9.32/-9.78	-10.86/-12.78	-12.95/-12.43	-12.00/-11.98	-12.82/-14.54	-13.07/-11.58	-11.17/-10.59	-10.32/-10.08	-9.86/-9.72	-9.60/-9.36	-8.67/-8.21
θ(15°)	-6.87/-6.85	-6.56/-5.76	-5.40/-5.65	-5.97/-6.08	-6.04/-5.47	-4.68/-4.00	-3.24/-2.80	-2.54/-2.29	-1.86/-1.37	-0.91/-0.73	-0.69/-0.95	-1.55/-2.49	-3.69/-4.63	-4.89/-5.17	-5.86/-7.52	-9.94/-11.35	-11.20/-10.46	-10.33/-9.58	-8.36/-7.63	-6.94/-6.77	-6.17/-5.86	-5.57/-5.46	-5.34/-5.47	-5.67/-5.70
θ(22.5°)	-7.98/-9.29	-9.44/-8.16	-8.99/-9.02	-8.35/-7.11	-5.68/-4.30	-3.36/-2.51	-1.79/-1.37	-1.10/-0.97	-0.86/-0.46	-0.22/-0.18	-0.04/-0.29	-1.10/-2.55	-4.21/-4.79	-5.02/-5.79	-7.49/-10.65	-14.34/-15.81	-12.73/-10.07	-8.13/-6.62	-6.47/-6.35	-5.75/-5.47	-4.18/-4.44	-4.68/-4.89	-5.11/-5.35	-5.91/-6.42
θ(30°)	-2.96/-2.09	-2.09/-2.35	-3.31/-4.36	-4.19/-3.14	-2.34/-1.59	-0.89/-0.24	0.06/0.05	0.24/0.53	0.70/0.72	0.32/-0.61	-1.52/-1.46	-1.24/-2.75	-5.99/-9.15	-10.78/-13.03	-13.67/-13.05	-11.52/-10.37	-9.95/-8.36	-6.15/-4.08	-2.44/-1.01	-0.27/-0.09	-0.72/-1.82	-2.61/-2.80	-3.34/-4.08	-4.25/-2.99
θ(37.5°)	0.73/-0.07	0.29/-0.38	-0.65/-0.91	-1.15/-1.60	-2.22/-2.09	-1.41/-0.97	-0.83/-0.72	-0.22/0.51	0.35/-0.02	0.13/-0.45	-2.52/-1.60	-0.05/-0.70	-3.05/-4.95	-6.22/-7.25	-6.40/-6.22	-6.57/-5.99	-5.07/-3.75	-1.66/-0.09	0.38/0.79	1.27/1.96	2.18/1.55	0.57/0.48	0.25/-1.10	-1.78/-0.22
θ(45°)	1.20/0.75	-0.14/0.54	1.90/0.26	1.50/0.95	1.03/1.29	1.18/0.65	0.05/-0.31	-0.08/-1.21	1.92/0.72	-0.36/-0.25	-1.95/-0.15	2.49/2.38	0.44/-0.24	-0.81/-3.78	-3.95/-2.08	-1.69/-4.23	-2.85/-3.24	-1.06/0.13	0.34/-0.08	-0.08/0.78	1.41/1.38	1.17/1.87	2.98/2.69	1.36/1.09
θ(52.5°)	2.51/1.68	1.13/2.28	3.14/2.39	1.98/2.36	2.73/2.55	1.47/-0.10	-0.61/-0.06	-0.10/1.05	2.60/2.20	0.79/0.42	-2.32/1.24	3.49/2.36	0.88/0.85	0.46/-2.27	-1.78/-0.28	-0.70/-2.38	-2.61/-2.03	-0.36/0.70	0.36/-1.53	-2.92/-1.34	-0.02/0.46	0.19/0.60	2.92/3.53	2.41/2.19
θ(60°)	2.67/2.18	1.76/1.88	2.01/1.47	2.58/2.80	2.44/1.63	-0.30/-1.99	-0.88/0.14	-0.25/-0.45	1.13/2.31	2.05/2.19	-1.24/-1.53	2.09/1.63	1.10/1.60	0.64/-1.09	-0.83/0.51	-1.09/-3.36	-2.08/-0.75	-0.26/0.32	0.20/-0.81	-2.16/-1.05	-0.24/-0.49	-0.73/-0.58	2.28/3.42	2.50/2.48
θ(67.5°)	2.28/2.47	1.52/0.33	1.20/1.82	3.91/3.37	2.99/2.75	1.06/0.70	1.47/0.95	-0.56/-0.46	0.80/-1.49	1.61/1.63	-1.74/-3.39	-0.09/0.96	1.78/0.08	-2.31/-1.10	-0.42/-0.43	-1.30/-2.52	-0.88/-0.29	0.26/0.12	0.04/-0.08	-1.78/-0.66	0.41/0.04	-0.14/-1.17	0.77/1.46	0.07/1.91
θ(75°)	1.22/2.34	-0.12/-2.07	-0.33/1.21	3.77/2.75	2.93/3.14	2.10/1.77	2.04/1.34	-0.51/-0.71	-0.35/0.12	0.67/0.98	-1.60/-4.50	-1.47/0.07	1.42/-0.15	-3.10/-0.30	-0.64/-0.36	-0.98/-1.64	0.41/1.03	0.12/-1.30	-1.37/0.03	-1.02/-0.18	0.81/0.10	0.16/-1.46	-0.16/-0.17	-0.43/1.43
θ(82.5°)	-0.12/1.78	-2.80/-4.47	-2.39/-0.36	2.32/0.96	1.85/1.65	1.28/0.99	1.07/0.65	-1.36/-1.68	-1.31/-2.49	-0.32/-0.04	-3.57/-5.61	-5.26/-0.52	0.20/-1.82	-2.03/-0.35	-1.26/-1.22	-1.71/-1.40	0.40/1.11	0.06/-2.23	-2.54/-0.66	-1.58/0.10	0.83/-0.31	0.18/-1.45	-1.54/-2.65	-2.77/0.08
θ(90°)	-1.41/0.02	-5.88/-7.05	-4.95/-2.92	0.60/-0.67	-0.20/-1.47	-1.19/-1.73	-2.64/-2.18	-3.65/-4.02	-2.80/-3.70	-3.53/-1.08	-4.38/-5.38	-7.89/-2.92	-1.79/-1.49	-3.33/-2.03	-2.05/-2.34	-2.53/-2.29	-1.74/0.51	-0.75/-2.64	-4.61/-1.49	-2.51/-1.54	-0.70/-1.54	-1.26/-2.49	-3.49/-3.78	-4.15/-1.27
θ(97.5°)	-5.03/-3.54	-10.23/-9.11	-6.94/-4.12	-1.04/-1.76	-1.84/-3.90	-3.53/-4.28	-5.74/-5.35	-5.82/-4.28	-6.84/-4.66	-5.88/-2.73	-5.44/-7.81	-9.74/-1.84	-1.81/-2.82	-3.82/-3.38	-4.07/-4.67	-5.68/-5.80	-4.44/-2.24	-2.93/-5.40	-6.22/-2.18	-4.50/-4.55	-3.65/-3.97	-5.44/-3.84	-4.72/-1.74	
θ(105°)	-6.32/-5.95	-10.82/-8.53	-7.00/-6.43	-2.68/-2.18	-2.51/-4.47	-4.49/-5.00	-7.24/-8.18	-7.72/-5.47	-6.73/-7.14	-8.08/-7.15	-7.50/-9.08	-7.16/-8.04	-2.43/-5.58	-4.59/-5.76	-4.84/-5.20	-7.12/-7.29	-6.47/-5.31	-5.17/-6.32	-5.81/-2.81	-6.27/-9.23	-7.35/-6.35	-7.56/-5.34	-7.03/-4.46	-5.92/-2.95
θ(112.5°)	-7.20/-6.91	-10.50/-11.68	-11.83/-11.75	-7.70/-5.37	-5.19/-5.32	-5.25/-5.13	-5.91/-7.95	-8.35/-6.15	-9.51/-10.64	-10.74/-11.63	-9.61/-14.49	-6.96/-7.05	-2.58/-6.97	-5.05/-5.34	-6.00/-7.87	-8.15/-8.83	-4.09/-7.53	-7.07/-4.50	-7.65/-9.86	-7.03/-7.14	-9.81/-7.99	-8.89/-7.94	-9.35/-5.02	
θ(120°)	-8.10/-6.67	-9.16/-10.12	-12.57/-8.02	-6.09/-8.04	-8.30/-8.69	-8.69/-8.04	-9.20/-12.33	-14.77/-11.46	-15.66/-11.76	-10.64/-10.46	-13.02/-13.14	-9.74/-7.14	-5.52/-6.45	-10.08/-6.03	-10.48/-10.42	-10.19/-8.35	-6.21/-6.29	-4.09/-9.38	-11.25/-6.60	-6.33/-7.52	-10.77/-2.66	-11.08/-7.94	-10.59/-15.17	-13.69/-9.91
θ(127.5°)	-9.44/-9.39	-11.75/-12.89	-14.20/-11.37	-7.64/-8.20	-7.72/-6.22	-7.07/-11.52	-12.92/-11.02	-10.32/-9.67	-9.09/-13.82	-13.27/-8.98	-8.64/-11.44	-11.28/-6.35	-6.02/-7.69	-7.62/-5.25	-9.50/-10.81	-15.80/-9.10	-10.11/-7.60	-5.38/-9.88	-8.91/-6.42	-5.76/-9.55	-12.22/-8.41	-6.68/-10.06	-9.06/-14.42	-13.69/-7.23
θ(135°)	-11.32/-11.88	-9.28/-11.74	-12.98/-14.33	-16.24/-9.41	-7.22/-7.55	-8.51/-10.93	-10.78/-9.72	-11.17/-11.29	-10.70/-11.95	-11.64/-12.17	-13.15/-12.22	-10.02/-8.05	-7.98/-7.58	-7.76/-9.20	-10.51/-12.26	-14.02/-10.19	-14.19/-9.63	-8.41/-12.68	-10.28/-6.81	-7.73/-10.19	-13.67/-12.42	-8.35/-9.44	-12.47/-13.31	-10.93/-10.39
θ(142.5°)	-13.06/-14.40	-12.73/-14.52	-15.68/-12.76	-10.66/-12.00	-12.35/-11.86	-15.25/-15.07	-14.38/-14.08	-13.61/-14.67	-15.20/-15.15	-9.54/-13.27	-14.56/-9.82	-10.64/-10.46	-14.82/-10.42	-10.19/-8.35	-6.21/-6.29	-4.09/-9.38	-11.25/-6.60	-6.33/-7.52	-10.77/-2.66	-11.08/-7.94	-10.59/-15.17	-13.69/-9.91		
θ(150°)	-10.67/-11.42	-9.46/-8.96	-10.58/-15.15	-12.83/-10.35	-8.05/-7.49	-8.89/-9.26	-9.63/-13.36	-15.53/-10.38	-9.98/-12.34	-11.83/-13.60	-12.98/-11.52	-11.32/-9.90	-9.11/-10.37	-11.66/-12.89	-15.12/-15.24	-14.99/-13.01	-9.70/-9.74	-12.29/-13.49	-11.83/-9.72	-10.10/-9.69	-9.44/-13.13	-14.56/-14.10	-10.61/-12.20	-11.55/-9.21
θ(157.5°)	-11.62/-12.17	-13.08/-11.16	-9.63/-11.17	-14.68/-15.48	-14.24/-14.28	-13.61/-12.16	-11.93/-14.27	-15.13/-14.08	-15.39/-14.77	-13.18/-12.50	-13.87/-14.89	-13.96/-11.65	-11.45/-12.18	-14.59/-13.77	-11.72/-10.09	-9.88/-10.03	-11.60/-13.87	-15.24/-14.74	-13.93/-13.24	-12.71/-12.16	-12.22/-12.77	-12.83/-13.50	-12.64/-14.10	-15.36/-11.80
θ(165°)	-15.71/-14.67	-15.57/-11.19	-8.35/-7.86	-8.27/-9.37	-10.23/-11.57	-12.84/-14.50	-15.63/-15.39	-15.47/-15.22	-14.80/-13.84	-12.48/-12.38	-13.49/-15.05	-15.51/-14.54	-12.94/-12.84	-12.78/-12.80	-10.59/-9.41	-10.01/-11.71	-13.82/-14.57	-15.44/-14.00	-14.04/-15.12	-15.36/-16.04	-15.22/-14.34	-13.10/-11.65	-11.16/-12.59	-14.34/-15.60
θ(172.5°)	-13.19/-11.56	-11.45/-11.72	-13.05/-11.72	-10.50/-10.37	-10.57/-10.85	-11.27/-11.95	-13.51/-14.88	-15.50/-15.66	-15.41/-15.12	-14.42/-14.33	-13.44/-13.41	-13.82/-14.13	-14.09/-12.19	-11.79/-12.21	-11.98/-12.76	-12.91/-11.75	-11.13/-11.13	-10.66/-10.54	-10.09/-10.00	-10.25/-10.71	-11.00/-10.89	-10.67/-12.05	-13.58/-15.53	-15.58/-15.80
θ(180°)	-14.20/-14.96	-13.69/-13.26	-12.85/-12.34	-11.06/-11.06	-10.91/-11.41	-11.22/-11.17	-11.38/-12.00	-12.63/-11.63	-10.81/-10.30	-9.78/-9.73	-9.97/-10.66	-11.30/-12.97	-14.69/-14.81	-14.83/-15.44	-15.15/-15.62	-15.72/-14.66	-15.52/-15.41	-14.88/-15.30	-15.92/-14.52	-13.76/-13.30	-12.98/-12.96	-13.77/-14.64	-13.65/-13.59	-12.94/-12.47
Freq(Hz)	5.66GPol.	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.						