



Radiated Composite Gain Data <6GHz U-NII5~UNII-8>

Appendix B

Θ(157.5°)	-12.12/-11.28	-10.91/8.97	-7.86/-8.67	-7.11/-6.38	-6.74/-7.9	-9.04/-9.17	-9.8/-9.76	-8.65/-8.02	-7.88/-7.68	-8.53/-10.03	-10.96/-9.41	-8.25/-8.25	-5.31/-3.13	-2.01/-1.65	-1.64/-2.01	-2.08/-1.3	-0.74/-1.05	-0.55/-0.07	-0.13/-2.13	-5.38/-7.25	-6.92/-6.31	-5.49/-5.37	-5.93/-7.25	-10.04/-11.73
Θ(165°)	-8.57/-7.43	-5.61/-5.49	-6.55/-9.14	-7.73/-7.9	-9.04/-9.4	-9.19/-9.04	-9.98/-10.88	-10.57/-10.47	-10.15/-9.56	-9.79/-9.56	-9.78/-9.34	-8.59/-7.4	-7.11/-7.03	-6.41/-5.77	-5.71/-5.96	-5.93/-5.63	-4.65/-3.09	-2.78/-1.94	-1.81/-2.47	-3.76/-5.55	-7.1/-8.33	-8.75/-9.33	-9.23/-8.36	-8.18/-8.97
Θ(172.5°)	-7.17-7.34	-8.09/-7.9	-7.55/-7.23	-7.07/-3.86	-6.76/-7.07	-8.71/-8.87	-8.74/-8.39	-7.63/-7.15	-5.9/-5.16	-5.32/-6.34	-8.11/-9.6	-10.33/-9.39	-5.34/-7.42	-6.28/-5.77	-5.71/-5.81	-5.82/-5.77	-5.17/-1.38	-3.55/-3.34	-3.31/-3.7	-4.57/-5.42	-6.63/-7.55	-7.75/-7.53	-7.42/-7.19	
Θ(180°)	-11.98/-11.79	-11.77/-10.81	-9.3/-8.71	-8.19/-8.12	-7.87/-7.74	-7.33/-6.53	-5.88/-6.24	-6.19/-5.9	-5.39/-5.23	-5.65/-7.02	-8.54/-8.67	-9.04/-8.99	-9.24/-9.62	-10.35/-9.65	-8.81/-8.21	-7.15/-6.35	-5.7/-5.05	-4.62/-4.14	-4/-3.99	-4.03/-4.48	-4.8/-5.32	-5.9/-6.96	-8.14/-9.86	-11.28/-12.55
Freq(Hz)	6.175GPol.	Theta-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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°)	7.5/-6.01	-5.59/-5.25	-5.35/-5.61	-6.04/-7.02	-7.94/-8.8	-9.39/-9.99	-9.87/-10.13	-11.02/-10.26	-9.62/-9.27	-8.62/-7.97	-7.41/-6.88	-6.73/-6.44	-6.26/-6.11	-6.11/-6.07	-6.81/-7.21	-7.55/-8.02	-8.86/-9.44	-9.95/-9.87	-10.07/-10.22	-10.28/-9.52	-8.62/-7.76	-7.37/-7.94	-6.58/-8.65	-7.93/-7.79
Θ(7.5°)	-9.13/-7.48	-7.78/-6.79	-6.79/-5.88	-6.4/-7.11	-7.67/-8.09	-8.98/-9.58	-9.55/-9.54	-9.43/-9.08	-8.24/-8.05	-8.03/-7.52	-7.24/-7.54	-7.4/-6.92	-6.41/-5.66	-5.51/-5.33	-5.37/-5.32	-5.38/-5.63	-6.22/-7.47	-9.17/-10.98	-11.31/-11.38	-10.18/-8.72	-7.41/-6.34	-6.02/-5.79	-5.78/-6.77	-7.79/-8.13
Θ(15°)	-8.67/-9.21	-8.36/-8.43	-7.66/-7.54	-8.2/-7.97	-7.96/-7.59	-7.79/-7.95	-8.25/-8.75	-9.33/-9.05	-7.54/-6.14	-5.35/-5.31	-5.76/-6.79	-7.58/-7.29	-6.26/-8.47	-4.38/-4.1	-4.24/-4.46	-5.04/-5.64	-6.2/-7.11	-8.31/-9.38	-10.43/-9.6	-8.93/-6.82	-5.9/-5.2	-4.68/-3.86	-3.61/-4.35	-7.44/-8.87
Θ(22.5°)	-6.1/-5.77	-5.08/-5.33	-6.17/-7.01	-6.99/-6.04	-4.77/-4.31	-4.57/-4.92	-5.66/-5.42	-5.52/-5.86	-5.66/-4.76	-4.44/-5.03	-6.47/-8.33	-9.51/-8.95	-7.21/-5.85	-4.83/-3.85	-3.32/-3.79	-4.17/-4.35	-4.88/-6.6	-8.9/-8.81	-8.94/-9.1	-8.33/-6.25	-5.5/-4.9	-4.13/-4.04	-4.57/-5.99	-6.58/-6.76
Θ(30°)	-3.19/-2.72	-3.1/-3.89	-4.38/-8.46	-4.2/-3.4	-3.88/-5.4	-6.6/-7.42	-7.87/-6.68	-5.2/-5.54	-7.46/-8.6	-9.03/-8.61	-6.82/-6.35	-8.13/-8.63	-8.61/-6.99	-5.5/-5.41	-5.62/-6.28	-6.11/-4.39	-3.44/-4.19	-5.16/-5.75	-6.69/-7.05	-5.48/-5.2	-5.01/-3.41	-2.33/-3.04	-4.74/-6.41	-6.33/-3.91
Θ(37.5°)	-2.58/-1.67	-2.46/-2.61	-2.87/-3.17	-3.9/-5.66	-7.11/-7.93	-8.92/-9.56	-9.12/-7.69	-6.18/-6.34	-7.43/-8.37	-6.12/-6.41	-4.14/-4.54	-5.77/-5.85	-6.46/-7.39	-7.26/-6.76	-7.47/-5.6	-4.12/-5.89	-4.96/-3.82	-3.68/-3.62	-3.22/-2.08	-1.32/-1.44	-2.83/-3.36	-2.72/-3.28		
Θ(45°)	-0.67/0.28	-0.51/-1.84	-1.18/-0.62	-1.53/-3.13	-4.56/-5.62	-6.85/-6.83	-6.44/-5.59	-5.81/-6.55	-7.58/-8.98	-7.17/-5.29	-5.67/-6.22	-5.53/-4.81	-5.43/-6.05	-4.87/-4.74	-7.57/-7.94	-5.89/-4.63	-3.54/-3.21	-5.5/-6.18	-4.57/-3.84	-2.89/-2.04	-1.5/-0.94	-0.49/-1.32	-0.36/-0.51	-1.86/-1.95
Θ(52.5°)	0.16/0.1	1.18/0.6	-0.06/-1.53	-1.47/-2.05	-4.78/-6.57	-6.67/-6.52	-6.36/-6.68	-5.29/-4.97	-7.62/-8.04	-7.55/-6.63	-7.51/-8.69	-6.79/-6.7	-6.27/-4.54	-2.74/-2.44	-5.65/-5.08	-3.71/-3.29	-3.08/-4.15	-8.09/-3.18	-1.16/-6.06	0.2/-0.27	1.11/-7.6	1.44/0.47	1.08/0.77	1.08/0.18
Θ(60°)	2.08/0.29	1.17/1.4	-0.23/-1.53	-1.44/-3.26	-7.62/-7.98	-8.86/-9.09	-10.49/-11.35	-10.34/-10.44	-8.99/-6.99	-5.94/-6.4	-6.92/-8.86	-8.48/-7.47	-6.17/-4.03	-6.24/-5.85	-5.54/-3.27	-1.88/-1.55	-2.58/-4.64	-1.87/-0.22	1.06/-0.75	0.36/0.94	1.02/2.29	2.61/2.74	2.31/-9.1	
Θ(67.5°)	1.22/0.65	0.58/0.27	-0.42/-2.31	-2.14/-5.41	-6.1/-4.53	-5.06/-5.8	-9.28/-8.97	-10.79/-11.99	-8.07/-7.74	-8.18/-7.43	-6.48/-5.41	-8.81/-6.47	-5.75/-3.52	-3.77/-4.74	-6.39/-5.37	-2.61/-1.49	-2.09/-0.47	1.17/-0.85	-1.92/-0.75	1.67/1.93	1.74/2.72	1.81/2.91	3.64/3.43	1.6/0.86
Θ(75°)	1.12/-0.42	0.89/0.25	0.10/0.22	-0.76/-3.68	-5.22/-4.3	-4.69/-9.63	-11.36/-10.86	-9.24/-10.47	-7.97/-9.05	-10.75/-8.69	-14.33/-6.4	-5.08/-6.14	-5.2/-3.91	-4.31/-4.45	-3.65/-4.22	0.58/-1.42	-2.22/-0.64	2.62/4.8	2.48/2.72	1.43/-1.93	2.85/3.15	0.37/0.3		
Θ(82.5°)	1.85/-0.51	1.18/-1.66	-0.98/-1.47	-4.41/-6.54	-4.31/-6.15	-9.1/-7.8	-10.19/-10.06	-6.67/-7.42	-10.06/-7.76	-9.57/-9.9	-12.66/-11.16	-9.39/-9.49	-5.88/-5.2	-7.61/-6.45	-7.23/-3.57	-1.01/-0.51	-0.33/-0.76	1.71/-0.57	3.38/2.62	3.07/3.2	2.49/2.57	3.26/3.5	1.07/1.08	
Θ(90°)	2.02/0.21	1.18/-1.76	-1.45/-2.48	-6.66/-8.76	-5.55/-6.01	-8.78/-9.16	-9.65/-8.33	-11.74/-12.11	-7.32/-6.09	-10.17/-7.3	-7.96/-9.51	-10.06/-7.46	-5.5/-4.26	-6.51/-8.86	-9.17/-1.96	-2.96/-2.29	-2.18/-2.63	1.78/0.4	-1.42/2.23	3.44/-1.94	2.77/2.59	2.04/4.11	4.39/4	1.96/1.65
Θ(97.5°)	1.55/0.02	-0.59/-1.41	-1.84/-3.55	-7.07/-7.26	-4.78/-5.75	-6.15/-7.15	-10.9/-10.52	-9.38/-10.89	-10.15/-10.72	-10.28/-8.06	-9.88/-11.34	-8.19/-9.23	-7.88/-4.32	-8.29/-8.12	-7.89/-1.73	-5.46/-3.48	-0.9/-1.89	2.86/2.84	0.14/2.18	4.02/2.48	1.32/1.75	1.14/4	3.73/2.78	2.76/-6.9
Θ(105°)	2.29/1.18	0.43/0.07	-1.15/-1.35	-4.08/-1.76	-4.37/-4.55	-7.92/-10.93	-8.39/-9.02	-9.78/-10.48	-10.15/-10.14	-9.86/-10.82	-11.44/-9.84	-6.49/-6.82	-9.89/-4.69	-5.96/-5.84	-5.07/-1.81	-2.42/0.5	-2.46/-4.01	3.44/2.99	1.09/-0.56	3.67/2.99	2.12/-1.07	1.91/3.72	3.65/2.47	3.1/8.1
Θ(112.5°)	-0.41/-1.27	-2.75/-1.57	-2.27/-2.01	-3.45/-6.08	-7.39/-6.2	-7.22/-9.76	-9.7/-11.89	-10.34/-7.46	-8.85/-9.57	-7.41/-8.2	-8.87/-8	-6.28/-5.44	-6.22/-4.78	-5.05/-6.81	-2.56/-2.45	-1.98/0.09	-6.33/-2.47	3.15/0.58	0.77/0.91	3.52/1.83	2.39/-1.73	-2.46/3.25	2.51/0.59	1.71/0.76
Θ(120°)	-1.97/-0.55	-2.56/-3.12	-6.33/-6.57	-3.96/-4.75	-7.58/-5.95	-7.09/-7.57	-7.77/-9.37	-10.79/-9.88	-9/-10.51	-9.35/-9.48	-8.34/-7.94	-10.12/-8.51	-4.86/-7.45	-2.59/-3.7	-1.77/-1.53	0.61/2.48	5.92/-7.7	1.98/-1.92	2.11/0.58	1.44/-3.08	-2.16/-1.6	2.65/-0.12	-0.02/-0.9	
Θ(127.5°)	-3.56/-1.72	-2.12/-1.99	-1.97/-2.93	-3.09/-4.94	-6.27/-7.04	-6.58/-6.85	-7.87/-6.77	-7.68/-9.79	-10.36/-8.53	-7.59/-7.17	-7.33/-10.36	-8.34/-9.43	-7.14/-5.74	-4.11/-4.04	-3.43/-5.92	-3.74/-1.41	-3.51/-0.62	3.63/1.44	0.59/0.45	0.76/0.59	-0.14/0.14	2.41/-0.41	0.4/-1.28	-0.89/-0.97
Θ(135°)	-3.45/-3.19	-2.7/-2.54	-2.01/-2.59	-3.54/-4.36	-4.84/-5.06	-6.4/-7.73	-5.86/-4.5	-5.92/-8.9	-10.85/-7.66	-7.89/-9.82	-9.26/-6.98	-8.82/-8.6	-7.33/-6.29	-9.79/-10.17	-9.08/-8.47	-3.97/-3.02	-3.18/-1.83	1.74/0.31	-0.06/-0.33	-1.33/-2.19	-1.69/-2.54	0.71/1.89	1.66/-0.51	-1.64/-1.57
Θ(142.5°)	-1.27/-1.25	-0.9/-2.04	-2.57/-3.57	-3.66/-4.46	-4.92/-6.1	-7.86/-9.07	-6.9/-6.1	-6.87/-8.66	-9.76/-9.35	-8.95/-8.72	-9.14/-9.36	-10.32/-8.88	-9.24/-7.42	-8.18/-8.76	-8.32/-5.55	-2.77/-3.81	-5.18/-1.39	-0.22/-1.39	-0.76/-0.38	-2.78/-3.75	-2.89/-4.08	-0.17/-0.2	0.31/1.2	0.57/-0.21
Θ(150°)	-2.86/-2.74	-2.9/-3.05	-3.16/-3.45	-4.2/-5.11	-5.75/-7.94	-10.24/-10.67	-10.59/-10.12	-9.66/-8.41	-6.09/-5.16	-4.77/-5.24	-6.48/-7.48	-8.07/-7.27	-6.72/-7.51	-7.18/-5.66	-5.58/-5.36	-6.18/-5.31	-4.2/-3.82	-3.96/-1.93	-1.18/-1.45	-1.41/-2.56	-3.23/-4.91	-2.98/-0.56	-0.83/-1.51	-2.31/-3.34
Θ(157.5°)	-5.57/-4.62	-4.11/-3.84	-3.64/-3.4	-5.2/-6.14	-6.71/-7.47	-8.37/-9.5	-8.63/-7.99	-8.35/-8.1	-5.4/-4.41	-4.34/-0.7	-3.44/-3.98	-5.46/-7.13	-6.55/-6.72	-8.11/-8.37	-6.99/-5.14	-5.41/-6.05	-4.83/-3.75	-2.97/-2.3	-1.35/-1.63	-2.52/-3.67	-3.96/-2.81	-1.94/-2.98	-5.21/-6.5	
Θ(165°)	-4.81/-3.8	-3.7/-4.82	-6.09/-6.67	-7.19/-7.9	-9.34/-10.83	-11.57/-10.51	-8.87/-8.76	-7.21/-7.83	-6.55/-5.73	-5.86/-6.28	-5.44/-4.16	-3.6/-3.51	-3.5/-3.59	-3.72/-3.49	-3.16/-2.83	-3.62/-4.28	-5.3/-5.68	-5.47/-6.29	-7.72/-5.72	-2.73/-1.41	-1.87/-3.25	-5.11/-7.06	-8/-8.99	-8.17/-6.01
Θ(172.5°)	-10.54/-7.94	-8.62/-7.03	-6.78/-7.67	-9.53/-9.96	-10.36/-10.16	-11.02/-10.66	-10.74/-11.4	-12.59/-11.42	-11.19/-10.58	-10.27/-8.96	-6.78/-5.15	-4.08/-3.88	-3.82/-4.24	-4.83/-5.02	-5.04/-5.33	-5.86/-6.22	-6.65/-6.46	-6.59/-6.32	-6.41/-6.38	-5.78/-4.54	-4.21/-5.02	-6.77/-8.53	-8.83/-8.11	-8.08/-9.86
Θ(180°)	-8.33/-8.4	-7.1/-7.41	-7.68/-8.63	-9.79/-9.33	-8.9/-9.4	-10.28/-11.4	-10.93/-10.06	-9.81/-9.9	-11.08/-9.74	-9.11/-8.13	-6.8/-6.14	-5.57/-5.19	-4.82/-4.74	-5/-5.23	-5.89/-6.51	-7.37/-7.59	-7.83/-7.98	-7.83/-7.15	-7.02/-7.43	-8.13/-8.55	-9.13/-8.49	-7.59/-7.96	-8.77/-8.56	-8.03/-8.53
Freq(Hz)	6.475GPol.	Phi-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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°)	-9.83/-10.59	-9.23/-8.86	-8.63/-8.75	-9.23/-8.25	-8.24/-8.19	-8.3/-8.45	-9.1/-9.66	-10.11/-9.76	-10.04/-10.46	-10.73/-11.3	-11.06/-9.94	-9.56/-9.21	-8.46/-8.14	-8.22/-8.07	-8.14/-8.71	-8.51/-8.8	-8.6/-8.63	-8.71/-9.23	-9.73/-9.99	-10.34/-11.09	-11.11/-11.51	-11.41/-10.66	-9.61/-10.04	-10.53/-10.24
Θ(7.5°)	-6.67/-7.23	-7.56/-8.15	-8.52/-9.06	-9.04/-8.41	-8.32/-8.58	-8.69/-9	-8.95/-8.18	-8.65/-9.04	-9.72/-10.62	-11.43/-11.74	-11.75/-11.54	-10.97/-10.66	-10.63/-10.44	-9.26/-8.62	-7.4/-7.69	-5.85/-5.42	-5.06/-5.19	-5.47/-5.74	-5.96/-5.98	-6.46/-7.26	-8.15/-8.76	-9.26/-9.06	-7.95/-7.72	-7.29/-6.71
Θ(15°)	-6.21/-6.77	-7.19/-7.05	-6.41/-5.72	-5.71/-6.46	-7.02/-8.15	-8.63/-8.78	-9.97/-8.62	-7.95/-7.83	-8.08/-7.84	-8.83/-9.5	-9.97/-9.78	-9.59/-8.86	-8.33/-7.72	-6.51/-4.86	-3.42/-2.09	-1.22/-0.68	-0.42/-0.59	-1.08/-1.91	-2.62/-2.81					



Radiated Composite Gain Data <6GHz U-NII5~UNII-8>

Appendix B

Θ(75°)	-8.1/-7.96	-8.75/-9.2	-7.07/-6.49	-6.76/-6.9	-7.59/-8.26	-9.26/-11.17	-10.65/-9.54	-8.51/-7.37	-6.23/-5.64	-5.35/-5.49	-5.75/-6.58	-7.1/-7.95	-9.06/-9.92	-10.05/-9.34	-9.35/-8.08	-8.22/-8.37	-9.38/-10.27	-10.64/-10.79	-10.2/-8.64	-7.55/-6.34	-6.08/-6.83	-7.01/-5.77	-5.71/-7.44	-8.06/-9.54
Θ(15°)	-3.55/-3.92	-4.74/-5.95	-6.46/-5.99	-5.05/-6.22	-7.12/-7.13	-8.38/-10.15	-12.1/-12.06	-11.72/-10.26	-8.57/-7.38	-6.95/-7.47	-8.59/-8.8	-9.19/-10.4	-10.22/-9.03	-6.92/-5.01	-4.4/-3.8	-3.69/-3.94	-4.94/-6.27	-7.68/-8.33	-7.66/-7.36	-7.32/-6.09	-5.35/-4.51	-3.07/-1.96	-1.95/-2.4	-3.43/-3.92
Θ(127.5°)	-3.01/-2.8	-3.37/-4.43	-5.95/-5.96	-6.88/-7.38	-8.41/-9.44	-9.41/-8.4	-7.14/-6.54	-7.10/-10.37	-12.87/-12.14	-12.65/-9.45	-6.24/-6.16	-5.14/-4.68	-4.84/-4.65	-4.29/-3.95	-4.16/-6.03	-6.09/-6.73	-7.79/-7.65	-5.19/-4.69	-4.37/-4.56	-5.01/-4.56	-2.74/-1.73	-1.62/-2.38	-3.83/-3.94	
Θ(30°)	-4.03/-3.85	-3.91/-3.31	-2.36/-2.98	-4.15/-5.1	-7.26/-9.06	-10.01/-11.07	-10.53/-9.8	-10.03/-11.01	-11.75/-10.26	-7.52/-4.23	-3.14/-4.51	-4.9/-4.24	-4.87/-5.52	-6.71/-6.73	-6.28/-8.9	-10.41/-8.74	-6.18/-4.83	-4.31/-4.24	-4.48/-5.17	-5.35/-4.84	-4.46/-4.25	-2.59/-2	-2.69/-4.62	-4.67/-4.58
Θ(32.5°)	-3.1/-1.72	-1.33/-1.86	-2.11/-1.75	-2.15/-3.36	-4.35/-6.07	-7.56/-7.47	-7.53/-8.67	-11.11/-12.92	-11.08/-7.62	-6.22/-4.74	-6.46/-7.41	-8.87/-11.86	-12.18/-12.32	-11.35/-8.46	-8.42/-8.7	-8.83/-9.72	-7.59/-6.08	-4.33/-4.86	-4.29/-3.9	-5.49/-3.37	-1.94/-3.21	-4.53/-4.11	-3.37/-2.94	-3.05/-3.59
Θ(45°)	-1.54/-1.91	-2.22/-1.36	-2.21/-1.34	-3.74/-3.3	-5.6/-6.83	-6.88/-5.69	-7.16/-9.07	-9.57/-9.92	-10.25/-9.63	-8.29/-8.68	-8.9/-12	-7.03/-6.57	-7.2/-6.89	-5.76/-6.22	-5.04/-4.6	-6.51/-4.87	-5/-3.7	-1.31/-2.09	-4.96/-4.62	-2.95/-2.94	-3.41/-4.14	-4.64/-2.79	-0.61/-0.79	-2.24/-2.4
Θ(52.5°)	-0.63/-2.06	-2.88/-1.37	-2.03/-3.5	-3.83/-5.54	-7.2/-8	-7.88/-10.04	-7.96/-5.62	-6.15/-7.45	-8.89/-6.97	-5.51/-5.81	-5.84/-7.79	-8.16/-5.59	-5.9/-6.64	-6.84/-5.12	-3.15/-6.39	-6.15/-4.55	-3.93/-1.69	-2.8/-2.72	-1.42/-1.68	-1.59/-0.6	0.44/-0.31	-1.11/-1.08	0.13/-1.38	0.61/-0.37
Θ(60°)	0.88/0.05	0.10/6.3	-1.44/-1.54	-2.77/-4.68	-5.71/-5.49	-4.93/-7.36	-7.48/-6.46	-7.13/-8.02	-9.75/-9.71	-9.16/-7.14	-6.96/-6.69	-8.57/-8.74	-3.64/-4.03	-5.9/-5.16	-3.71/-5.15	-3.22/-4.73	-4.09/-1.88	-2/-1.33	-2.95/-1.91	-0.34/-0.45	1.19/0.68	1.52/-1.62	2/1.56	0.88/0.56
Θ(67.5°)	1.43/1.09	1.18/0.88	-0.1/-0.58	-3.18/-5.05	-5.69/-5.78	-7.87/-8.08	-6.93/-7.73	-8.62/-9.05	-8.51/-10.4	-9.59/-8.56	-9.32/-8.16	-9.63/-9.77	-7.24/-6.53	-6.94/-8.27	-7.52/-7.64	-5.99/-3.62	-2.91/-2.09	-0.79/-1.36	-1.48/-1.32	-0.04/-0.08	0.33/-1.01	-0.98/0.85	2.36/-1.81	0.09/0.64
Θ(75°)	-0.17/-1.36	-0.41/-0.64	-1.8/-1.51	-4.47/-3.66	-6.9/-8.98	-8.6/-7.61	-8.74/-8.97	-7.8/-8.91	-8.01/-8.43	-7.17/-9.48	-12.31/-10.79	-8.98/-10.21	-8.65/-7.03	-8.87/-7.59	-4.98/-4.91	-3.97/-4.24	-3.61/-3.92	-3.38/-2.08	-2.05/-0.88	1.25/2.38	2.96/-1.78	0.32/0.38	1.15/-1.44	-0.22/0.63
Θ(82.5°)	1.26/0.7	-0.05/-0.01	0.31/-1.23	-2.54/-0.72	-4.89/-6.95	-5.95/-7.25	-8.89/-7.82	-8.63/-9.91	-8.96/-8.68	-10.64/-9.81	-9.49/-7.7	-7.75/-7.64	-5.98/-7.54	-4.98/-6.57	-5.26/-4.76	-2.6/-2.78	-1.42/-2.3	0.08/-2.42	-1.65/-0.29	0.62/2.12	1.58/0.46	-0.66/0.26	1.87/2.97	1.79/-1.95
Θ(90°)	1.87/-0.17	-0.19/-2.59	-0.76/-1.93	-4.5/-5.93	-10.44/-7.8	-5.08/-8.83	-12.12/-10.36	-8.74/-11.38	-9.99/-11.55	-8.47/-5.68	-8.65/-11.2	-5.88/-8.54	-6.08/-5.78	-3.61/-4.33	-3.69/-4.32	-1.22/-2.55	-4.65/-1.7	1.37/-1.11	1.81/-1.82	1.87/3.09	2.64/-5.1	0.87/-1.92		
Θ(97.5°)	1.06/-0.32	-0.24/-1.85	-0.56/-1.57	-4.61/-7.18	-12.03/-8.49	-4.93/-9.87	-11.4/-9.87	-12.54/-10.01	-9.61/-10.21	-6.95/-8.56	-8.99/-9.24	-9.13/-11.15	-7.58/-5.77	-5.84/-7.98	-5.66/-4.48	-2.06/-7.76	-1.83/-2.29	0.24/0.03	-3.6/-3.06	2.19/-1.93	1.31/-1.47	0.13/6.4	3.37/2.36	1.90/55
Θ(105°)	1.96/-0.25	0.58/-2.31	-1.6/-2.86	-6.29/-6.14	-5.53/-6.73	-6/-8.34	-10.38/-8.28	-7.59/-9.93	-11.2/-9.51	-7.29/-9.4	-9.44/-8.78	-8.28/-6.38	-6.61/-5.4	-5.96/-3.81	-3.66/-4.14	-4.5/-4.74	0.03/0.06	-5.05/-3.59	2.27/-1.95	1.07/-0.65	0.79/2.04	2.44/-1.08	2.16/-1.15	
Θ(112.5°)	0.22/-1.96	-0.65/-1.43	-1.93/-4.96	-8.86/-4.75	-3.93/-8.25	-8.75/-6.94	-7.44/-8.55	-9.29/-12.13	-10.73/-9	-9.49/-9.39	-9.4/-8.93	-7.76/-7.02	-7.59/-4.36	-5.1/-7.12	-3.66/-2.6	-4.72/-1.52	-1.75/-3.49	2.15/-1.71	1.28/-2.35	2.48/2.57	1.28/-2.08	0.95/-1.34	2.63/0.65	1.07/-1.63
Θ(120°)	0.67/-1.35	-2.31/-2.89	-4.11/-3.39	-6.27/-8.78	-6.11/-5.96	-10.21/-8.19	-7.79/-8.87	-11.11/-11.5	-11.59/-12.59	-10.51/-9.3	-8.07/-9.29	-9.37/-8.35	-6.47/-4.58	-5.99/-6.04	-3.26/-0.73	-5.87/-1.44	-0.84/-3.87	2.43/2.22	-2.68/-2.47	2.21/-1.7	2.84/-1	0.214/-1.9	3.74/-1.94	3.39/-1.14
Θ(127.5°)	1.02/-1.05	-1.89/-1.08	-1.92/-1.07	-1.89/-4.53	-3.74/-7.04	-7.83/-10.06	-10.33/-10.43	-10.71/-12.31	-11.49/-11.46	-6.66/-5.75	-6.83/-8.49	-8.57/-8.04	-6.2/-6.4	-7.16/-8.89	-5.96/-6.47	-2.32/-1.33	-1.79/-2.89	1.53/2.36	-2.82/-8.24	0.10/-21	2.25/-3.02	-2.94/-1.46	0.91/-0.76	1.51/-2.15
Θ(135°)	-1.86/-1.39	-1.26/-0.53	-0.49/-2.04	-1.67/-2.59	-3.87/-5.54	-5.39/-6.16	-6.99/-6.7	-8.16/-8.28	-9.68/-9.66	-7.91/-7.02	-8.72/-10.53	-6.9/-6.99	-7.22/-7.1	-4.73/-7.17	-4.86/-4.87	-3.96/-3.42	-0.09/0.57	-0.08/-3.14	-2.73/-2.7	-0.28/-4.53	-0.63/-0.29	-0.03/-0.98	-0.90/-0.98	
Θ(142.5°)	-1.37/-2.68	-3.65/-2.77	-1.25/-1.46	-2.39/-3.08	-3.95/-5.48	-5.72/-6.98	-7.69/-6.67	-7.5/-9.21	-11.48/-10.3	-7.65/-6.49	-7.26/-9.08	-11.23/-9.09	-8.92/-6.37	-8.2/-6.51	-7.27/-7.61	-7.52/-6.91	-5.66/-3.81	-1.38/-1.28	-3.99/-3.22	-1.59/-2.62	-0.96/-0.11	-1.28/-0.47	-0.56/-0.64	-0.99/-0.89
Θ(150°)	-2.9/-2.43	-1.5/-1.18	-1.6/-2.91	-2.35/-3.22	-5.04/-6.12	-6.77/-8.69	-10.81/-10.04	-6.22/-5.73	-7.13/-8.41	-9.31/-9.91	-8.24/-7.17	-8.8/-9.35	-9.87/-9.29	-11.28/-6.96	-10.76/-10.06	-8.08/-7.68	-8.61/-7.43	-2.19/-2.48	-4.55/-3.09	-1.53/-2.46	-2.98/-1.9	-0.55/-0.04	0.06/-0.45	-1.54/-2.63
Θ(157.5°)	-4.31/-4.06	-3.78/-3.91	-1.88/-4.1	-5.19/-6.41	-9.04/-9.74	-8.99/-9.57	-9.31/-8.45	-8.18/-8.09	-6.82/-5.8	-5.14/-5.49	-5.27/-4.14	-3.45/-3.3	-4.58/-7.19	-7.46/-7.93	-8.73/-7.23	-6.57/-7.43	-8.46/-8.34	-6.5/-5.78	-3.71/-1.95	-1.72/-2.36	-3.09/-4.01	-3.76/-3.05	-2.75/-3.28	-4.37/-4.22
Θ(165°)	-6.69/-7.1	-7.48/-6.61	-5.83/-6.02	-7.46/-7.64	-8.49/-8.54	-8.66/-10.04	-9.48/-9.69	-11.57/-12.42	-10.62/-8.39	-5.92/-4.48	-3.48/-2.83	-2.59/-3.18	-4.19/-5.38	-5.72/-5.12	-3.89/-2.71	-4.25/-3.36	-5.27/-6.33	-5.62/-4.52	-3.47/-2.6	-1.24/-2.4	-1.07/-4.03	-5.17/-6.65	-8.32/-8.39	-7.59/-7.57
Θ(172.5°)	-6.09/-6.39	-5.68/-5.53	-5.58/-6.27	-7.86/-9.93	-10.91/-10.98	-11.1/-10.8	-10.4/-9.97	-9.84/-10.44	-11/-10.4	-9.26/-7.18	-6.03/-6.48	-5.26/-5.08	-4.54/-3.9	-3.43/-3.01	-2.71/-2.64	-2.58/-3.09	-4.25/-5.87	-8.23/-8.04	-5.45/-3.89	-3/-2.8	-3.71/-5.42	-7.38/-7.73	-6.85/-6.67	-5.75/-5.32
Θ(180°)	-4.66/-5.09	-4.8/-8.47	-5.24/-6.71	-8.14/-8.71	-9.24/-10.05	-9.03/-7.98	-7.3/-7.18	-6.95/-7.09	-6.21/-5.31	-4.61/-4.38	-4.56/-4.82	-5.37/-5.69	-5.84/-5.99	-6.09/-6.5	-7.04/-7.4	-7.51/-7.36	-7.92/-8.4	-8.26/-7.4	-6.94/-6.55	-6.15/-5.62	-6.11/-7.17	-7.84/-7.79	-7.1/-6.8	-6.71/-5.64
Freq(Hz)	6.955GPol.	PhiL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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°)	-7.47/-7.35	-6.06/-5.64	-6.15/-5.55	-7.43/-7.41	-7.11/-7.1	-6.58/-7.28	-7.64/-7.37	-7.86/-8.33	-7.77/-7.25	-7.43/-8.04	-9.9/-9.1	-8.67/-9.02	-9.87/-8.73	-9.34/-9.74	-8.71/-8.78	-7.36/-6.9	-6.4/-6.11	-6.05/-6.19	-6.31/-7.65	-7.26/-7.68	-7.77/-6.95			
Θ(7.5°)	-8.09/-7.65	-7.46/-6.29	-7.07/-7.28	-7.1/-7.26	-6.66/-5.51	-4.37/-4.26	-3.88/-3.5	-3.51/-4.04	-4.69/-5.34	-5.55/-6.98	-8.63/-8.73	-8.8/-7.95	-7.52/-6.96	-6.3/-6.21	-6.29/-6.06	-5.72/-5.43	-5.41/-5.29	-5.35/-5.42	-5.36/-5.83	-5.88/-6.7	-7.72/-8.69	-8.7/-9.32	-9.95/-9.53	-9.57/-9.11
Θ(15°)	-3.32/-3.05	-3.45/-3.47	-4.94/-6.19	-5.87/-6.12	-6.35/-6.09	-5.05/-4.55	-5.25/-5.67	-7.52/-7.55	-7.78/-7.61	-7.42/-8.1	-7.01/-5.33	-4.04/-4.34	-3.26/-3.13	-2.82/-2.49	-1.74/-1.15	-0.47/-0.01	0.51/0.87	0.66/0.31	-0.15/-0.62	-1.25/-2.26	-3.11/-3.71	-4.53/-6.34	-7.01/-5.75	-4.72/-3.89
Θ(22.5°)	-1.9/-1.79	-1.63/-1.27	-0.94/-0.76	-1.9/-3.82	-6.14/-7.52	-8.22/-6.49	-5.83/-5.39	-5.77/-6.81	-7.59/-7.87	-6.97/-5.73	-4.84/-4.07	-3.84/-2.84	-2.55/-2.69	-2.39/-1.38	-0.16/0.96	1.14/-1.08	0.94/0.69	0.04/-0.43	-0.61/-0.75	-1.01/-1.52	-2.37/-2.5	-1.72/-1.7	-2.3/-2.85	-2.92/-2.36
Θ(30°)	-3.38/-3.72	-3.04/-1.83	-1.14/-1.02	-2.63/-3.6	-4.1/-4.79	-5.07/-5.01	-5.45/-4.97	-4.15/-4.39	-5.27/-5.57	-4.33/-3.27	-3.05/-2.88	-1.84/-1.21	-0.82/-0.01	1.16/-1.49	1.16/0.1	-0.49/-1.12	-1.23/-0.63	-0.86/-1.84	-2.21/-2.01	-1.12/-1.25	-0.07/-2.28	-1.51/-0.86	-0.61/-0.99	-1.73/-2.77
Θ(37.5°)	-1.45/-1.86	-3.6/-3.36	-2.06/-3.06	-4.15/-4.34	-3.97/-3.99	-4.23/-3.96	-2.94/-3.34	-5.25/-6	-4.94/-5.63	-4.78/-2.92	-1.87/-1.97	-1.7/-0.25	0.77/1.64	2.33/2.91	2.28/0.89	-0.21/-1.32	0.34/-1.54	1.37/0.55	0.17/1.04	0.48/-1.08	-2.43/-2.34	-0.36/0.52	0.90/-39	-0.34/-0.99
Θ(45°)	0.07/-0.55	-1.97/-2.57	-3.81/-3.61	-3.15/-3.34	-2.7/-2.25	-3.61/-3.6	-3.07/-3.92	-3.11/-3.95	-3.97/-2.98	-2.93/-3.37	-1.71/-0.95	-1.17/-0.1	0.11/-0.15	0.722/2.8	2.39/0.97	-0.88/-1.2	0.09/0.21	0.56/0.9	1.67/2.46	1.87/0.45	0.91/2.26	1.2/-0.61	-0.56/-0.26	-0.44/-1.06
Θ(52.5°)	0.09/-0.93	-1.28/-1.04	-2.48/-2.53	-3.42/-4.61	-4.66/-3.43	-3.06/-3.4	-3.14/-3.28	-4.54/-2.64	-2.22/-3.64	-3.65/-3.01	-1.94/-2.9	-2.58/-2.06	-3.56/-2.25	-1.53/-0.61	-1.2/-5.3	-1.62/0.94	2.73/8.32	3.33/2.23	2.23/0.4	2.09/-0.22	0.41/-1.6	1.31/-1.71	0.49/-0.53	-0.87/-1.65
Θ(60°)	-0.65/-1.46	-1.34/-2.31	-1.69/-1.87	-1.4/-2.5	-3.33/-3.31	-3.16/-3.24	-2.42/-1.71	-0.27/0.65	-2.3/-2.17	-3.58/-5	-4.38/-3.01	-4.74/-4.4	-5.25/-5.65	-2.53/-1.7	-1.34/-0.39	1.18/3.2	4.08/3.74	2.96/1.06	1.67/3.32	1.53/0.16	-1.24/-1.82	-1.23/0.69	0.16/-0.9	-1.22/-0.3
Θ(67.5°)	0.48/-0.64	-1.08/-1.79	-1.83/-1.19	-0.83/-0.92	-2.28/-3.99	-1.53/-1.25	-2.94/-3.4	-0.77/-1.1	-3.71/-3.66	-2.66/-4.31	-4.06/-4.52	-2.17/-3.97	-1.21/-4.38	-1.98/-0										



Radiated Composite Gain Data <6GHz U-NII5~UNII-8>

Appendix B

Θ(37.5°)	-3.14/2.06	-2.31/2.33	-3.4/4.18	-4.68/5.99	-7.16/-7.01	-6.69/6.49	-5.88/5.01	-4.79/6.08	-7.33/-7.56	-6.97/5.69	-4.89/6.27	-7.67/-7.03	-7.76/9.44	-8.21/9.52	-8.94/9.11	-7.54/6.48	-6.39/5.35	-4.26/5.47	-5.23/4.97	-5.95/6.54	-5.33/-3.79	-2.84/-2.06	-2.01/2.59	-2.23/3.34
Θ(45°)	-0.10/87	0.26/-1.41	-1.35/-1.28	-2.91/-3.81	-3.94/-4.28	-5/-5.6	-5.52/-5.17	-5.15/-5.98	-7.06/-7.24	-6.5/-6.14	-6.66/-7.76	-8.55/-8.75	-8.37/-8.5	-7.29/-7.03	-8.8/-10.34	-7.74/-6.79	-5.77/-4.7	-5.26/-7.43	-6.7/-6.9	-6.39/-4.82	-2.56/-1.33	-0.94/-0.64	0.150/23	-0.76/-1.17
Θ(52.5°)	1.13/1.89	1.99/1.5	0.62/-1.05	-1.02/-1.17	-2.96/-3.67	-3.85/-3.88	-3.81/-4.74	-5.76/-6.64	-9.68/-8.66	-7.81/-8.49	-6.29/-6.1	-8.62/-9.61	-7.61/-7.25	-9.48/-7.79	-6.83/-8.47	-7.79/-6.47	-7.39/-5.01	-4.19/-3.15	-1.43/-0.97	0.71/63	1.29/107	1.58/1.63	1.4/1.7	
Θ(60°)	1.28/1.98	1.46/1.29	0.24/-1.36	-0.53/-1.71	-3.78/-3.52	-4.24/-5.2	-7.11/-8.92	-9.71/-10.79	-9.67/-9.05	-7.92/-5.73	-6.48/-7.11	-7.66/-8.6	-6.73/-5.42	-7.49/-6.03	-9.65/-9.55	-9.09/-7.1	-5.25/-3.1	-3.37/-4.66	-3.28/-2.3	-0.43/-1.76	-0.320/8	0.89/2.03	2.81/2.92	2.28/1.56
Θ(67.5°)	1.23/0.65	1.05/0.46	-0.7/-2.03	-2.06/-3.28	-2.93/-1.95	-2.79/-4.72	-9.31/-9.55	-9.11/-9.17	-7.36/-9.26	-10.31/-6.45	-6.2/-8.63	-6.85/-4.53	-5.63/-6.57	-8.3/-6.1	-3.41/-2.95	-3.78/-2.35	-0.1/-1.49	-1.98/-2.02	0.72/1.54	1.69/1.96	0.74/1.43	2.78/2.85	1.27/1.21	
Θ(75°)	0.71/-0.27	0.92/0.01	-0.41/-0.58	-1.3/-3.15	-3.55/-3.47	-4.37/-9.9	-11.42/-9.83	-5.19/-4.23	-5.23/-7.19	-10.53/-8.63	-5.74/-4.5	-5.5/-6.72	-6.97/-6.51	-7.89/-1.94	-7.77/-4.27	-3.95/-4.28	-3.11/-1.64	0.58/-1.38	-2.47/-0.65	1.67/2.27	2.35/2.45	0.77/1.43	2.71/3.19	0.35/0.2
Θ(82.5°)	1.24/-0.88	0.47/-1.84	-1.06/-1.56	-5.05/-6.81	-4.26/-6.08	-9.84/-8.53	-9.23/-9.04	-7.55/-7.36	-7.03/-6.85	-9.46/-9.67	-10.86/-9.23	-9.24/-10.6	-6.97/-6.99	-9.18/-9.2	-9.34/-5.18	-5.43/-4.06	-1.36/-1.91	1.11/-0.44	-1.26/2.17	2.85/1.98	2.69/2.79	1.83/2.33	3.24/3.53	1.06/0.41
Θ(90°)	1.92/0.45	1.43/-1.17	-0.61/-1.63	-6.25/-10.4	-6.12/-6.11	-8.74/-8.92	-8.77/-7.45	-10.67/-10.2	-6.41/-5.87	-10.48/-7.25	-7.14/-8.92	-9.01/-8.12	-6.66/-5.29	-7.31/-8.91	-9.01/-2.37	-3.01/-2.36	-2.62/-2.45	1.79/0.06	-1.72/1.3	2.61/3.7	2.04/2.2	1.5/3.45	4.09/3.71	1.62/1.48
Θ(97.5°)	1.8/0.5	0.18/-0.57	-0.67/-2.29	-6/-8.14	-5.38/-6.41	-7.15/-8.22	-10.74/-9.85	-8.83/-11.09	-8.66/-8.91	-8.85/-7.13	-9.5/-11.73	-9.07/-10.01	-9.17/-5.38	-9.6/-8.35	-7.7/-1.76	-5.52/-3.41	-0.94/-2.15	2.25/1.85	-0.56/1	3.22/1.2	0.59/1.55	1.06/0.05	3.52/2.89	2.41/1.59
Θ(105°)	2.57/1.5	0.87/0.67	-0.63/-0.5	-2.31/-5.51	-3.42/-4.03	-6.83/-8.92	-6.5/-6.87	-6.62/-5.9	7.27/-7.55	-6.44/-8.8	-10.31/-10.19	-6.28/-5.86	-8.51/-4.79	-5.15/-6.2	-6.42/-1.92	-2.60/2.9	-2.51/-4.04	2.89/1.35	-0.89/-2.27	2.76/2.5	1.62/-1.01	-1.98/3.25	3.64/2.46	2.87/1.86
Θ(112.5°)	-0.52/-1.27	-3.13/-1.74	-2.76/-2.44	-3.27/-5.99	-7.14/-5.16	-6.66/-7.06	-6.5/-5.05	-6.05/-6.5	-6.08/-6.79	-8.72/-6.86	-6.97/-9.37	-2.88/-1.9	-1.75/0.15	-1.75/0.15	-5.38/-2.63	3.36/-0.44	-1.24/-1.46	2.69/1	1.55/-2.21	-2.49/1.7	1.81/0.25	-2.49/1.7	0.81/-0.1	
Θ(120°)	-2.6/-0.28	-2.36/-2.2	-5.68/6.5	-3.55/-3.1	-3.77/-4.62	-2.88/-1.8	-4.33/-6.48	-2.55/-7.9	-7.74/-9.38	-8.66/-10.12	-11.57/-11.2	-9.98/-8.42	-11.37/-10.7	-7.38/-10.64	-4.2/-4.52	-2.49/1.3	-0.142/0.6	0.28/-0.28	1.51/0.21	0.09/-4.22	-2.50/1.71	1.43/-1.12	-0.92/-0.46	
Θ(127.5°)	-4.47/-1.68	-2.15/-2.87	-3.51/-3.88	-2.15/-1.8	-1.45/-1.51	-1.57/-2.08	-3.39/-4.47	-6.8/-8.83	-10.48/-9.44	-8.53/-8.08	-9.96/-9.95	-9/-10.98	-9.69/-7.61	-5.45/-5.81	-4.5/-6.9	-3.66/-1.74	-2.45/-0.34	3.62/1.4	-1.02/-3.05	-1.55/0.51	-1.24/-1.63	-4.17/-0.93	-0.62/-2.21	-1.65/-2.03
Θ(135°)	-3.51/-2.17	-1.46/-1.86	-1.49/-1.65	-2.21/-2.44	-1.81/-1.23	-2.13/-3.31	-3/-2.98	-4.65/-5.78	-8.68/-6.47	-6.54/-6.99	-6.52/-6.05	-9.41/-9.94	-10.16/-7.75	-9.64/-9.96	-8.48/-7.81	-4.14/-2.63	-2.92/-1.71	1.78/0.45	-0.58/-1.46	-5.23/-1.92	-2.68/-2.64	-1.68/-0.51	-0.28/-1.68	-1.99/-2.08
Θ(142.5°)	-1.6/-0.84	0.23/0.49	0.37/0.22	-0.45/-1.37	-2.46/-3.33	-5.09/-7.64	-7.4/-9.07	-8.4/-10.33	-10.2/-8.35	-7.84/-7.7	-7.95/-7.04	-7.36/-6.78	-8.06/-6.12	-8.89/-8.14	-7.75/-5.99	-3.53/-3.7	-5.21/-2.09	-0.01/-2.09	-3.13/-3.92	-3.67/-3.99	-0.92/-0.61	-0.87/-1.21	-2.07/-1.8	
Θ(150°)	-3.33/-2.61	-1.51/-0.95	-1.16/-1.39	-2.08/-3.16	-4.33/-6.52	-8.61/-9.05	-9.7/-9.92	-10.03/-9.49	-7.22/-6.7	-7.32/-9.53	-10.51/-9.7	-8.2/-6.83	-7.1/-8.88	-8.19/-6.46	-6.21/-5.43	-6.32/-6.2	-5.26/-3.93	-4.1/-3.39	-3.68/-5.68	-6.35/-6.05	-4.95/-4.94	-3.3/-1.53	-1.95/-2.69	-3.13/-4.1
Θ(157.5°)	-2.95/-1.81	-1.14/-0.84	-0.87/-1.52	-2.55/-4.07	-5.64/-6.99	-7.24/-7.24	-6.7/-6.78	-8.62/-11.26	-9.96/-9.49	-8.85/-9.89	-8.98/-7.31	-5.96/-5.9	-7.3/-9.58	-8.96/-8.81	-9.51/-9.69	-8.31/-5.26	-4.06/-4.7	-5.53/-6.18	-6.88/-8.11	-7.46/-6.55	-5.8/-5.1	-4.15/-2.64	-1.46/-2.08	-3.3/-3.84
Θ(165°)	-3.92/-3.15	-3.36/-4.31	-5.48/-5.81	-6.14/-6.52	-7.42/-8.19	-8.45/-7.82	-7.11/-7.03	-7.65/-9.87	-9.79/-9.39	-9.89/-9.78	-8.77/-7.64	-7.33/-7.21	-7.08/-7.13	-7.14/-6.57	-6.03/-5.55	-5.71/-4.97	-4.64/-4.53	-4.67/-5.81	-8.06/-7.56	-5.01/-3.82	-4.05/-4.45	-5.03/-5.76	-5.98/-6.56	-6.46/-5.14
Θ(172.5°)	-7.57/-7.07	-5.91/-4.95	-4.63/-5.32	-6.6/-7.53	-8.17/-8.32	-9.1/-9	-9.04/-9.41	-10.61/-11.04	-10.29/-10.14	-10.3/-9.21	-8.7/-6.5	-5.84/-5.66	-5.55/-5.77	-6.03/-5.93	-5.63/-5.49	-5.7/-6.03	-6.68/-7.19	-7.93/-8.69	-10.59/-11.63	-11.06/-8.92	-7.61/-7.1	-7.66/-8.3	-7.45/-6.43	-6.16/-7.46
Θ(180°)	-8.04/-9.73	-6.85/-7.23	-8.05/-9.28	-9.84/-9.51	-9.35/-9.89	-10.41/-11.65	-11.26/-10.54	-10.27/-9.74	-9.33/-8.73	-8.18/-7.32	-6.31/-6.07	-5.89/-5.75	-5.65/-5.36	-5.54/-6.12	-6.86/-8	-9.39/-9.75	-9.89/-9.64	-9.23/-6.82	-8.7/-9.51	-10.76/-10.88	-10.5/-8.6	-7.63/-7.35	-7.82/-7.83	-7.44/-7.61
Freq(Hz)	6.475GPol.	PhiL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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°)	-10.12/-9.96	-9.55/-9.55	-9.17/-8.55	-8.61/-9.9	-8.15/-7.91	-7.93/-7.82	-7.84/-8.2	-6.54/-7.91	-7.77/-8.11	-8.01/-8.14	-8.38/-8.3	-8.96/-9.1	-8.48/-8.17	-8.29/-9.16	-8.19/-8.18	-7.86/-8.02	-8/-7.99	-7.82/-7.98	-8.09/-7.77	-8.03/-8.57	-8.84/-9.13	-9.57/-9.53	-9.81/-10.55	-10.83/-10.74
Θ(7.5°)	-6.01/-6.34	-6.95/-6.99	-6.82/-6.98	-6.83/-6.78	-6.93/-6.99	-7.14/-7.54	-7.49/-7.29	-7.61/-7.34	-7.42/-7.71	-7.91/-10.37	-10.25/-10.02	-9.89/-9.46	-8.27/-1.19	-6.23/-5.63	-5.15/-5.04	-4.71/-5.04	-5.74/-5.85	-5.87/-5.82	-6.05/-6.46	-7.08/-7.72	-7.93/-7.85	-7.17/-6.19	-6.57/-6.19	
Θ(15°)	-4.46/-4.86	-4.78/-4.53	-4.14/-3.82	-3.73/-4.21	-4.3/-4.25	-4.37/-4.71	-5.58/-5.13	-5.23/-5.38	-5.49/-5.85	-5.95/-6.87	-7.9/-8.54	-8.95/-9.01	-9.01/-8.72	-7.56/-5.98	-4.63/-3.29	-2.47/-2.06	-1.98/-2.32	-2.87/-3.68	-4.41/-4.55	-4.45/-4.43	-4.29/-4.05	-3.72/-3.45	-3.29/-3.55	-3.89/-4.27
Θ(22.5°)	-3.41/-3.44	-3.26/-2.19	-2.61/-2.53	-2.39/-1.62	-1.28/-1.37	-2.05/-2.66	-3.44/-4.4	-5.03/-5.36	-5.4/-5.2	-4.79/-5.56	-6.46/-7.09	-7.36/-7.21	-6.25/-6.06	-5.51/-4.97	-4.22/-3.37	-2.89/-2.76	-2.93/-3.41	-3.82/-3.59	-3.56/-3.56	-3.55/-3.33	-2.94/-2.61	-1.97/-1.16	-1.17/-2.06	-2.85/-3.7
Θ(30°)	-0.42/0.32	-0.1/-0.22	-0.41/-0.36	-0.28/-0.37	-1.05/-1.33	-1.45/-1.91	-1.96/-1.98	-2.26/-2.19	-2.11/-2.91	-3.71/-4.04	-4.47/-5.97	-4.72/-5.24	-4.55/-5.35	-3.29/-3.61	-3.94/-4.07	-3.46/-2.98	-2.66/-2.98	-3.88/-4.93	-4.25/-4.56	-4.43/-3.39	-3.23/-2.44	-1.46/-0.79	-1.12/-0.91	
Θ(37.5°)	-0.16/-0.79	-0.71/-0.66	-0.63/-0.27	-0.26/-1.27	-2.02/-1.52	-1.18/-0.8	-0.68/-0.93	-1.56/-2.63	-3.25/-3.23	-3.31/-3.47	-4.26/-5.45	-6.12/-4.93	-3.93/-4.89	-4.62/-3.69	-3.51/-3.04	-1.82/-0.99	-1.21/-1.44	-1.51/-1.29	-1.27/-1.38	-1.11/-0.78	-1.03/-1.45	-1.81/-2.04	-1.43/-0.28	0.32/0.56
Θ(45°)	-2.75/-2.78	-1.51/-1.07	-0.81/-0.23	-0.53/0.15	0.6/0.73	0.79/1	0.55/0.39	-1.53/-1.85	-2.15/-2.75	-3.11/-3.53	-4.39/-6.38	-6.12/-4.72	-4.12/-3.8	-3.28/-3.19	-3.46/-3.39	-4.4/-4.96	-2.93/-1.7	-2.17/-3.76	-3.14/-1.01	-0.29/-0.83	-1.71/-2.29	-1.46/-0.38	-0.28/-0.95	-1.36/-1.91
Θ(52.5°)	-0.46/0.17	0.32/0.12	1.08/-1.47	0.91/-1.92	1.95/-1.39	1.43/0.82	1.51/0.48	-0.61/-1.2	-1.72/-2.35	-4.12/-2.99	-3.22/-4.34	-5.73/-6.46	-6.56/-7.87	-7.48/-5.7	-5.68/-5.56	-3.55/-4.98	-4.03/-2.45	-1.69/-0.91	0.39/1.34	1.65/0.76	-0.96/-2.41	-1.93/-1.45	-0.38/-1.1	-1.08/-0.74
Θ(60°)	-1.63/-1.1	0.05/0.31	0.34/-0.17	0.11/-0.11	0.76/1.03	0.48/0.07	-0.32/-0.19	-0.93/-0.07	-0.51/-1.9	-0.32/-2.71	-3.97/-4.91	-4.24/-5.06	-3.98/-4.2	-5.25/-5.78	-5.35/-4.91	-5.72/-3.77	-3.12/-2.01	-0.83/-0.95	-1.04/-0.2	0.07/-0.16	-0.13/0.01	-0.92/-0.72	-0.38/-0.6	-1.23/-2.02
Θ(67.5°)	-0.36/0.18	-0.48/-0.48	-0.07/-0.07	0.14/0.28	-0.05/0.25	0.96/0.72	0.12/0.24	-2.65/-1.89	-2.42/-3.71	-3.53/-3.03	-2.76/-3.97	-4.36/-4.34	-5.96/-6.38	-4.89/-4.37	-5.7/-4.48	-5.15/-6.29	-5.22/-4.34	-4.2/-2.57	-1.08/-1.47	-1.84/-2.66	-1.01/-0.21	0.19/1.12	-0.10/-0.41	
Θ(75°)	-0.4/-0.16	-0.27/-0.42	-2.23/-2.43	-1.61/-0.5	0.06/0.27	0.81/1.1	0.62/0.38	-0.08/-0.64	-2.02/-2.06	-1.27/-2.65	-2.64/-0.83	-1.19/-2.93	-4.19/-4.56	-6.28/-7.21	-6.78/-6.75	-5.94/-6.68	-4.11/-4.52	-3.36/-3.37	-1.3/-1.8	-2.14/-1.9	-3.07/-3.71	-2.07/-0.34	0.91/0.73	0.08/-0.7
Θ(82.5°)	-0.91/-1.24	-0.96/-0.26	-0.05/0	0.88/1.02	1.29/1.22	1.01/0.66	0.15/0.09	0.6/0.36	-0.29/-0.48	-1.52/-2.37	-4.68/-3.81	-3.89/-3.35	-5.67/-6.03	-6.58/-9.16	-6.78/-7.44	-6.53/-5.76	-7.6/-5.24	-5.61/-4.1	-3.46/-3.77	-2.95/-2.72	-3.42/-3.45	-3.13/-1.58	-1.6/-1.4	-1.14/-1.58
Θ(90°)	-1.69/-1.93	-0.89/0.07	0.71/1.33	1.21/0.84	0.79/0.99	0.44/0.46	1.25/0.59	1.05/0.52	-0.59/0.4	-0.9/-3.22	-4.28/-5.35	-6.63/-6.45	-5.87/-4.95	-6.21/-6.96	-7.91/-8.34	-5.73/-4.05	-5.11/-3.83	-3.38/-2.72	-2.99/-2.25	-1.93/-1.58	-2.43/-3.56	-5.2/-5.32	-4.36/-1.82	-2.17/-2.65
Θ(97.5°)	-3.66/-3.47	-3.65/-3.2	-2.04/-0.69	-0.21/-0.01	0.24/0.39	-0.33/-0.8	-0.72/-0.81	-1.34/-0.84	-0.21/-1.22	-2.9/-4.28	-6.08/-6.94	-6.5/-4.9	-5.15/-5.66	-5.95/-5.47	-7.34/-5.77	-3.65/-6.63	-7							



Radiated Composite Gain Data <6GHz U-NII5~UNII-8>

Appendix B

Θ(90°)	1.47/-0.12	0.51/-0.72	1.38/0.01	-3.35/-5.38	-8.75/-5.06	-2.82/-6.53	-10.05/-9.55	-9.35/-9.5	-9.5/-11.58	-9.14/-6.39	-6.94/-9.76	-7.63/-10.34	-9.68/-5.78	-5.1/-7.05	-8.81/-3.51	-4.17/-4.35	-3.62/-4.04	-0.61/-2.58	-4.53/-3.19	-0.37/0.45	0.66/-0.05	0.56/0.29	2.59/2.49	0.37/0.67
Θ(97.5°)	1.13/0.13	0.85/-0.17	1.25/-0.01	-2.71/-5.55	-10.64/-7.08	-2.93/-7.36	-9.33/-8.63	-11.52/-10.8	-10.5/-12.01	-6.88/-8.81	-10.3/-9.56	-9.22/-11.6	-8.9/-7.08	-7.3/-10.12	-6.06/-5.86	-3.15/-7.66	-2.3/-2.49	0.29/-0.14	-3.64/-3.68	1.34/1.17	-0.15/-1.87	-0.11/2.93	3.15/2.23	1.4/0.53
Θ(105°)	1.86/-0.34	0.58/-1.95	-0.6/-1.66	-4.41/-4.43	-4.19/-5.94	-5.04/-6.84	-8.4/-7.95	-8.17/-11.48	-9.92/-7.97	-8.88/-12.11	-9.67/-9.86	-10.73/-9.13	-8.99/-5.88	-7.62/-10.11	-6.52/-4.48	-3.82/-4.07	-4.65/-5.34	-0.27/1.37	-5.68/-4.69	0.87/1.08	0.18/-1.45	-0.15/1.62	2.32/1.14	1.68/0.36
Θ(112.5°)	0.51/-1.51	0.03/-0.88	-1.47/-4.27	-8.61/-5.28	-3.3/-6.46	-7.1/-6.29	-7.48/-8.66	-8.06/-9.36	-8.74/-9.02	-8.97/-6.98	-7.99/-10.58	-9.58/-9.69	-8.93/-5.7	-6.69/-9.76	-5.05/-2.91	-5.11/-2.3	-2.25/-3.44	2.11/1.23	-5.6/-3.95	1.11/2.27	0/-2.37	-0.16/2.6	2.28/0.3	1.13/-1.16
Θ(120°)	0.85/-1.03	-1.13/-1.33	-2.83/-2.79	-6.09/-6.83	-3.53/-3.47	-7.11/-7.77	-8.04/-7.21	-7.16/-7.72	-8.21/-9.01	-8.38/-8.13	-8.21/-8.55	-9.65/-9.83	-7.97/-6.82	-8.22/-9.34	-4.69/-1.53	-6.61/-1.39	-1.24/-3.49	2.51/1.53	-4.18/-5.32	1.09/0.94	1.22/-1.8	-0.81/3.47	3.44/1.16	2.43/-0.01
Θ(127.5°)	-0.57/-0.94	-2.99/-1.7	-2.35/-3.22	-2.76/-4.5	-7.21/-6.68	-7.24/-8.69	-8.42/-8.46	-7.33/-5.71	-7.26/-7.6	-6.62/-7.16	-8.88/-10.55	-11.6/-10.37	-8.89/-8.72	-8.24/-12.23	-7.92/-7.36	-3.8/-1.18	-1.55/-2.91	1.58/1.86	-3.34/-6.51	-2.28/-0.73	0.14/-4.47	-2.64/1.08	0.91/-0.84	0.51/0.2
Θ(135°)	-1.65/-1.44	-1.79/-1.27	-1.5/-1.98	-2.2/-2.5	-3.89/-5.37	-5.37/-6.21	-6.38/-6.12	-6.05/-6.06	-7.22/-7.12	-8.01/-10.31	-9.87/-8.7	-11.33/-11.9	-9.16/-6.81	-6.81/-8.74	-6.04/-8.51	-5.44/-5.46	-4.09/-3.42	-0.42/-1	-2.41/-6.04	-4.33/-2.98	-3.3/-2.46	-2.38/-0.64	-1.41/-1.56	-1.01/-1.24
Θ(142.5°)	-2.54/-3.56	-3.63/-2.25	-1.05/-1.17	-2.14/-2.74	-3.67/-5.16	-5.37/-5.58	-5.29/-4.25	-4.57/-8.03	-11.21/-10.12	-8.04/-8.18	-7.99/-9.39	-11.16/-9.18	-8.41/-6.26	-7.16/-5.84	-7.14/-7.6	-7.48/-6.57	-5.57/-3.68	-2.47/-3.14	-7.12/-6.84	-3.39/-2.6	-2.3/-1.06	-1.62/-0.38	-1/-2.08	-2.22/-2.45
Θ(150°)	-1.9/-1.3	-0.63/-0.52	-0.86/-1.71	-2.39/-3.08	-5.11/-6.46	-7.46/-9.23	-10.83/-10.18	-8.69/-9.21	-8.81/-7.68	-6.62/-6.64	-6.3/-6.99	-8.59/-9.05	-7.92/-7.26	-8.53/-8.7	-9.3/-8.93	-7.62/-7.49	-8.94/-4.91	-3.97/-5.31	-6.43/-6.39	-6.1/-6.27	-5.11/-3.67	-2.84/-2.77	-2.47/-2.29	-1.91/-2.02
Θ(157.5°)	-1.06/-0.86	-0.86/-1.24	-1.93/-2.8	-4.79/-7.13	-9.54/-11.29	-11.13/-11.75	-10.66/-9.9	-9.78/-10.52	-8.43/-7.47	-7.59/-8.6	-8.37/-6.71	-5.54/-5.13	-6.48/-9.47	-9.1/-8.16	-7.58/-6.41	-7.15/-8.71	-9.63/-9.93	-9.33/-9.87	-8.15/-6.77	-7.59/-9.04	-7.98/-6.69	-4.56/-3.46	-2.71/-1.97	-1.42/-1.14
Θ(165°)	-3.65/-4.16	-4.93/-4.84	-5.14/-6.07	-7.84/-9.04	-10.21/-11.31	-10.98/-11.01	-9.38/-9.32	-10.07/-10.27	-9.09/-7.61	-6.67/-6.61	-6.28/-5.54	-4.48/-4.09	-4.22/-4.46	-3.97/-2.89	-1.84/-1.66	-2.15/-3.49	-5.15/-6.11	-6.18/-5.98	-5.75/-5.36	-6.09/-7.4	-8.46/-6.84	-4.77/-4.44	-5.41/-5.14	-5.01/-4.55
Θ(172.5°)	-6.27/-6.3	-5.48/-5.12	-4.99/-5.59	-6.99/-8.88	-10.58/-10.77	-10.43/-9.7	-8.48/-7.68	-7.46/-7.69	-7.92/-7.73	-7.04/-6.47	-6.2/-6.2	-6.07/-5.66	-4.64/-3.89	-3.38/-3.03	-3/-3.16	-3.16/-3.41	-4.18/-5.73	-8.1/-8.46	-7.25/-6.65	-6.44/-6.74	-7.11/-7.78	-7.52/-7.38	-6.58/-6.35	-6/-5.62
Θ(180°)	-3.46/-3.8	-3.56/-3.68	-4.65/-6.77	-8.7/-9.19	-9.56/-10.57	-10.85/-10.15	-9.65/-9.69	-9.47/-9.76	-8.58/-8.02	-7.05/-6.26	-5.65/-5.36	-5.46/-5.39	-5.46/-5.57	-5.67/-6.19	-6.78/-7.22	-7.77/-8.15	-9.4/-10.73	-11.33/-12.19	-11.96/-12.1	-10.71/-9.4	-8.38/-7.84	-6.87/-6.07	-5.48/-5.36	-5.41/-4.21
Freq(Hz)	6.995G/Pol.	Phi/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
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°)	-4.75/-5.26	-4.43/-4.43	-5.11/-5.71	-6.59/-7.01	-7.34/-7.33	-7.3/-8.12	-8.81/-8.47	-8.93/-9.57	-8.59/-7.61	-6.97/-7.21	-7.24/-6.86	-6.59/-6.79	-6.95/-7.09	-7.22/-7.63	-8.22/-8.72	-9.98/-9.28	-9.45/-9.36	-9.42/-9.04	-8.69/-8.28	-8/-7.8	-7.79/-8.16	-7.14/-6.65	-6.11/-6.03	-5.27/-4.99
Θ(7.5°)	-6.29/-6.21	-6.73/-5.97	-7.1/-7.68	-7.9/-8.73	-8.94/-7.36	-6.46/-6.44	-6.14/-5.71	-5.8/-6.54	-7.55/-7.56	-7.57/-8.62	-9.29/-8.43	-7.69/-6.33	-5.58/-4.87	-4.37/-4.48	-4.68/-4.75	-4.77/-4.87	-5.1/-5.11	-5.28/-5.57	-5.98/-6.53	-7.07/-7.92	-8.14/-7.93	-7.44/-7.75	-7.86/-7.21	-6.96/-6.82
Θ(15°)	-3.8/-3.58	-3.68/-3.4	-4.64/-5.73	-5.43/-5.58	-5.91/-5.09	-5.42/-5.79	-6.97/-8.23	-8.35/-8.08	-8.53/-9.06	-8.85/-9.75	-7.84/-5.5	-3.93/-3.08	-2.68/-2.41	-2.09/-1.99	-1.75/-1.95	-2.02/-1.97	-1.6/-1.59	-2.1/-2.28	-2.37/-2.51	-3.05/-3.7	-4.44/-4.78	-5.27/-5.68	-7/-6.29	-5.51/-4.42
Θ(22.5°)	-1.47/-1.47	-1.69/-1.63	-1.33/-1.01	-1.73/-2.95	-4.1/-4.26	-4.98/-5.66	-6.38/-6.94	-7.09/-7.28	-7.34/-7.59	-8.18/-8.11	-7.52/-7.39	-6.92/-4.93	-3.84/-3.93	-3.64/-2.52	-1.45/-0.6	-0.23/-0.12	-0.25/-0.82	-1.83/-3.02	-3.21/-3	-2.94/-3.1	-3.46/-3.39	-2.84/-2.56	-2.67/-3.06	-2.68/-2.12
Θ(30°)	-2.56/-2.66	-1.74/-1.47	-0.89/-0.45	-1.51/-1.78	-1.52/-1.61	-2.27/-2.37	-2.58/-2.36	-2.28/-2.81	-3.38/-3.86	-4.04/-4.58	-5.64/-5.6	-4.32/-2.99	-2.58/-1.75	-0.18/-0.22	-0.71/-2.93	-3.19/-2.32	-1.6/-1.12	-1.98/-4.48	-4.51/-3.02	-2.09/-2.21	-2.53/-2.84	-2.15/-1.94	-1.85/-2.02	-1.7/-2.02
Θ(37.5°)	-2.23/-1.66	-2.29/-1.58	-0.72/-1.1	-1.28/-1.29	-0.87/-0.61	-0.56/-0.45	0.2/-0.19	-1.63/-2.28	-2.39/-3.55	-4.1/-3.43	-3.38/-3.42	-2.98/-2.02	-1.13/-0.34	-0.21/-0.18	-0.75/-3.5	-5.25/-4.54	-1.53/-0.36	-1.36/-2.24	-1.87/-0.27	0.03/-1.38	-2.85/-2.56	-1.9/-1	-0.66/-0.7	-1.54/-2.17
Θ(45°)	-0.09/-0.22	-0.87/-0.79	-0.56/-0.11	0.55/0.59	1.03/-1.47	0.46/0.73	0.55/-0.76	-1.42/-2.37	-3.31/-3.49	-2.86/-3.54	-2.85/-2.23	-2.17/-1.27	-1.37/-2.07	-2.67/-1.43	-1.01/-2.59	-4.94/-3.2	-1.99/-1.9	-0.93/-0.1	1.19/1.09	0.07/-0.42	0.05/1	-0.03/-1.4	-1.65/-1.74	-1.59/-1.6
Θ(52.5°)	-0.96/-1.06	-0.52/0.14	-0.41/-0.15	0.09/-0.13	0.3/-0.16	0.22/0.72	0.74/0.39	-0.75/-0.03	-0.34/-2.33	-4.13/-3.64	-2.4/-2.18	-1.01/-0.83	-1.97/-1.97	-3.91/-4.49	-4.48/-5.1	-4.89/-3.29	-1.73/0.41	1.55/0.14	-0.07/0.6	0.55/-0.64	-0.73/-0.09	-0.16/0.77	0.04/-0.47	-1.07/-2.16
Θ(60°)	0.44/0.82	1.12/0.35	0.39/0.36	0.24/0.2	-0.45/0.39	0.54/0.89	1.05/0.85	1.16/1.97	0.7/-0.02	-2.92/-4.91	-3.12/-0.99	-1.19/-0.94	-2.71/-2.97	-4.33/-3.83	-2.66/-2.51	-3.67/-1.62	0.25/-0.24	-0.48/-0.92	-0.41/0.94	-0.63/-1.96	-1.63/-1.51	-2.1/-0.16	-0.56/-0.95	-1.26/-0.11
Θ(67.5°)	0.54/0.61	-0.35/0.3	0.57/1.09	1.61/0.88	0.13/0.06	2.07/2.58	2.36/1.74	1.75/0.54	-1.05/-1.56	-2.03/-3.06	-3.88/-4.13	-1.96/-2.43	-1.66/-3.92	-3.76/-3.42	-2.6/-3.99	-4.55/-2.65	-1.7/-2.38	-2.26/-2.48	-5.9/-3.09	-3.27/-2.07	-1.73/-1.1	-0.47/-1.22	1.76/1.32	0.93/1.22
Θ(75°)	-0.7/-0.66	0.27/0.63	0.42/1.05	1.81/2.26	1.66/1.21	1.39/1.98	0.47/0.77	0.55/0.34	-0.67/-0.71	-0.33/-1.74	-3.21/-4.35	-3.64/-4.31	-4.16/-4.23	-4.31/-5.56	-6.72/-6.3	-4.53/-7.25	-4.6/-2.6	-0.76/-4.31	-3.94/-4.23	-0.18/-2.59	-1.74/-1.22	-0.02/0.37	0.96/-0.17	-0.58/-1.43
Θ(82.5°)	-0.03/0.24	1.29/1.66	2.43/2.1	2.65/2.01	1.51/1.69	1.56/0.91	1.21/1.76	-0.07/-0.85	-0.5/-1.35	-1.62/-3.05	-4.13/-6.27	-6.57/-5.13	-6.86/-6.62	-7.79/-8.98	-7.02/-6.1	-4.04/-4.6	-4.52/-1.1	0.52/-3.01	-2.99/-0.45	-1.48/-3.8	-1.37/-2.53	-0.77/0.85	0.19/-0.56	-1.24/-0.66
Θ(90°)	-0.32/0.58	2.63/2.95	2.41/-7.6	2.42/-5	2.71/1.93	1.94/1.38	1.56/1.29	0.7/0.92	0.2/-0.53	-1.85/-2.54	-4.62/-5.62	-4.54/-4.45	-3.55/-4.1	-4.04/-6.86	-7.48/-8.72	-9.35/-4.91	-3.46/-0.75	-0.42/-2.97	-4.09/-1.16	-2.4/-1.09	0.27/-0.72	-3.82/-1.4	0.16/0.47	-0.69/-0.58
Θ(97.5°)	0.38/1.19	1.03/0.26	-1.49/-0.41	0.77/0.58	0.49/0.17	2.24/2.44	1.58/1.07	-1.06/-2.21	-1.57/-4.13	-3.33/-5.24	-6.39/-4.78	-6.55/-6.65	-4.78/-11	-7.09/-7.22	-3.71/-2.91	-4.51/-1.16	-0.34/-0.26	-1.83/-3.19	-3.29/-1.63	-1.15/-0.6	-0.64/-0.78	-1.62/-3.87	-0.97/0.37	-0.97/0.37
Θ(105°)	-0.98/-1.19	-1.15/-1.22	-1.02/-1.85	-1.17/-0.64	-0.58/-1.69	-1.71/0.66	1.18/0.83	0.03/0.24	0.1/-2.15	-1.59/-3.66	-4.28/-4.16	-4.22/-5.12	-6.15/-5.57	-5.75/-10.87	-7.76/-7.14	-4.22/-3.84	-4.84/-1.77	-1.14/-1.82	-2.34/-3.05	-0.85/0.07	-3.07/-4.12	-1.93/-1.72	-1.34/-0.44	-1.49/-1.5
Θ(112.5°)	-1.5/-2.14	-0.99/-1.14	-0.6/-0.8	0.22/-1.01	-1.38/-0.44	-1.96/-2.53	-0.72/-0.26	-1.19/-0.27	-2.11/-3.33	-3.86/-4.01	-3.07/-3.47	-6.68/-8.28	-8.58/-5.43	-4.96/-8.5	-7.92/-6.76	-4.43/-3.22	-3.78/-1.73	-0.54/-1.16	0.17/-2.92	-1.94/-2.12	-2.08/-0.39	-1.44/-3.8	-3.24/-1.61	-2.32/-2.52
Θ(120°)	-4.16/-2.66	-1.89/-1.47	-0.34/-0.55	-0.69/-1.03	-2.77/-1.46	0.1/-0.26	-2.05/-1.77	-0.68/-1.83	-2.66/-1.58	-3.78/-5.55	-6.09/-6.7	-5.4/-5.06	-6.37/-6.32	-10.67/-9.57	-6.77/-5.91	-7.02/-7.89	-2.52/-4.79	-2.46/-2.69	-6.48/-5.92	-6.83/-3.66	-1.86/-1.47	-1.62/-3.87	-5.49/-5.35	-5.49/-5.35
Θ(127.5°)	-7.75/-5.33	-5.84/-4.92	-4.66/-2.69	-2.28/-1.73	-1.72/-2.57	-1.09/-0.84	-0.37/-0.4	-0.54/-2.17	-2.5/-3.23	-4.12/-4.19	-6.48/-10.64	-11.06/-8.61	-7.47/-7.55	-7.51/-9.95	-8.55/-6.11	-4.91/-3.51	-6.3/-6.09	-5.18/-3.74	-2.68/-7.3	-5.2/-2.31	-3.44/-1.99	-1.08/-1.64	-3.11/-5.01	-6.73/-7.66
Θ(135°)	-5.77/-4.7	-4.29/-4.6	-4.57/-5.35	-5.95/-4.74	-2.41/-0.92	-0.71/-0.82	0.74/0.49	-1.53/-2.47	-2.19/-2.65	-2.96/-3.64	-3.65/-4.77	-6.86/-8.55	-9.05/-6.24	-6.87/-11.19	-1.17/-7.52	-3.67/-3.24	-1.63/-0.4	-5.23/-9.85	-6.21/-5.02	-3.15/-2.89	-3.16/-1.74	-1.54/-2.36	-5.3/-5.8	-5.3/-5.8
Θ(142.5°)	-3.65/-2.76	-1.82/-1.49	-2.22/-2.6	-2.02/-1.18	-2.21/-3.58	-5.71/-6.02	-3.54/-2.42	-1.24/-1.59	-3.18/-2.94	-6.13/-4.88	-6.44/-6.84	-7.96/-8.43	-9.82/-9.63	-5.41/-4.85	-5.46/-3.1	-2.14/-1.5	-6.67/-2.35	0.21/0.23	-1.89/-7.43	-5.46/-3.98	-4.54/-2.24	-3.66/-4.04	-3.28/-2.38	-3.54/-4.24
Θ(150°)	-5.65/-5.55	-6.37/-6.22	-7.72/-9.03	-8/-9.52	-7.65/-4.5	-3.05/-2.02	-1.73/-2.57	-3.87/-3.91																



Sporton International Inc. Hsinchu Laboratory



Radiated Composite Gain Data <6GHz U-NII5~UNII-8>

Appendix B

Θ(22.5°)	-17.98/-17.03	-14.25/-10.68	-7.57/-5.88	-5.59/-7.13	-10.7/-16.52	-18.19/-18.13	-12.1/-10.26	-10.94/-14.33	-18.11/-16.78	-14.11/-12.86	-11.26/-10.58	-10.28/-10.2	-9.84/-9.39	-8.42/-6.89	-4.98/-3.7	-3.07/-3.56	-4.4/-5.14	-5.01/-5.47	-5.87/-6.28	-8.19/-8.53	-7.41/-7.05	-7.57/-8.19	-9.69/-14.23	-16.22/-18.12
Θ(30°)	-18.33/-19.44	-14.21/-12.18	-9.31/-5.76	-5.57/-7.52	-13.02/-16.58	-18.64/-18.11	-13.91/-10.62	-9.11/-9.61	-12.63/-15.38	-16.63/-14.4	-13.21/-14.4	-13.71/-11.92	-11.62/-10.46	-7.69/-5.34	-3.63/-2.89	-2.78/-4.11	-5.69/-7.27	-7.02/-7.49	-9.13/-14.33	-16.76/-12.24	-9.12/-5.91	-4.97/-5.37	-5.72/-5.71	-12.07/-18.83
Θ(142.5°)	-7.91/-8.22	-14.86/-15.23	-12.11/-9.06	-12.09/-19.33	-1.9/-18.54	-17.41/-16.62	-17.71/-19.05	-18/-17.73	-15.56/-12.4	-11.98/-10.72	-10.98/-11.59	-10.05/-9.6	-9.81/-7.68	-6.78/-5.12	-5.01/-3.56	-3.98/-4.55	-3.48/-3.14	-3.62/-3.55	-2.11/-2.92	-6.87/-9.62	-6.16/-3.09	-4.51/-8.96	-13.75/-8.91	-5.56/-6.2
Θ(45°)	-9.99/-8.74	-12.71/-18.91	-18.26/-17.73	-17.71/-19.06	-13.96/-10.73	-10.84/-10.89	-12.26/-12.65	-14.02/-17.54	-18.82/-13.07	-11.97/-11.87	-11.65/-15.27	-10.63/-6.64	-6.23/-5.07	-1.88/-0.2	0.38/-0.7	-1.6/-2.47	-0.190-28	-1.11/-2.65	-5.04/-4.37	-4.28/-3.41	-2.94/-4.05	-6.15/-9.16	-8.06/-5.78	-7.18/-9.68
Θ(52.5°)	-6.85/-8.14	-13.17/-10.37	-10.62/-12.16	-13.45/-16.33	-12.34/-11.46	-14.69/-16.48	-17.97/-19.28	-18.76/-13.73	-9.03/-17.57	-17.36/-18.67	-18.48/-18.73	-18.72/-10.17	-7.16/-7.66	-3.88/-1.72	-3.32/-6.38	-2.54/-0.55	0.73/-1.13	1.762/23	2.080/49	-1.51/-2.18	-2.48/-4.26	-6.56/-8.09	-11.38/-12.9	-11/-8.37
Θ(60°)	-13.51/-16.68	-19.31/-12.52	-6.34/-9.62	-6.39/-12.78	-19.01/-17.48	-16.44/-13.92	-6.92/-5.59	-8.17/-11.53	-17.64/-9.58	-17.34/-18.79	-17.44/-18.26	-15.16/-8.75	-8.96/-8.58	-2.1/-0.93	-1.16/-0.93	1.763/76	2.5/05	0/0.2	-4.25/-2.68	-6.5/-5.67	-1.77/-6.69	-10.42/-12.16	-16.61/-13.73	
Θ(67.5°)	-12.13/-14.96	-18.84/-13.82	-17.04/-15.41	-18.81/-11.07	-10.41/-9.45	-6.1/-8.06	-11.33/-12.73	-9.33/-9.08	-13.53/-17.63	-13.88/-18.9	-19.1/-14.46	-13.73/-9.89	-5.44/-9.55	-3.22/-2.8	-1.96/-3.64	-3.690/48	2.873/51	4.282/69	2.230/43	-6.88/-6.7	-4.91/-7.5	-8.67/-5.96	-12.18/-17.46	-18.97/-19.13
Θ(75°)	-8.23/-9.53	-12.79/-13.55	-11.9/-10.63	-16.92/-18.86	-14.37/-10.02	-11.72/-10	-14.02/-15.4	-10.78/-14.8	-8.69/-15.79	-17.22/-16.64	-18.12/-14.29	-10.69/-9.59	-12.2/-14.15	-5.2/-4.01	-2.61/-2.6	-3.1/-0.31	1.770/7	-1.85/-5.18	-0.11/-1.51	-11.52/-7.16	-7.59/-12.92	-8.59/-8.47	-10.15/-16.61	-17.22/-12.96
Θ(82.5°)	-18.93/-15.2	-12.35/-13.22	-18.71/-12.99	-15.11/-11.51	-8.92/-14.73	-17.99/-18.66	-18.64/-18.94	-18.88/-8.02	-7.8/-18.26	-16.49/-17.92	-17.91/-17.67	-18.56/-11.76	-10.47/-5.23	-3.87/-0.91	0.82/-2.28	-5.64/-2.92	-0.031/38	-3.79/-18	-5.63/-1.99	-5.76/-6.9	-7.1/-7.1	-14.88/-10.71	-14.16/-18.82	-17.18/-17.86
Θ(90°)	-13.49/-14.15	-18.91/-14.82	-11.82/-8.8	-10.91/-10.07	-9.83/-8.72	-11.28/-18.17	-11.62/-17.98	-15.76/-8.31	-9.81/-18.77	-8.96/-18.57	-18.19/-17.16	-9.48/-6.82	-7.99/-5.57	-5.94/-2.98	0.3/-2.64	-3.73/-0.69	-0.880/92	-2.04/-8.45	-4.17/-1.9	-4.45/-5.53	-7.23/-13.09	-10.09/-7.09	-10.94/-15.32	-10.72/-11.14
Θ(97.5°)	-15.37/-12.08	-10.92/-18.63	-18.78/-10.56	-14.81/-12.51	-11.08/-12.96	-15.14/-11.01	-9.78/-19.31	-11.61/-13.6	-17.1/-19.49	-17.77/-14.74	-15.23/-14.31	-11.12/-9.4	-1.77/-3.42	-1.91/-0.7	0.02/-1.69	-2.771/29	1.22/-1.4	-0.83/-10.5	-3.35/-1.01	-18/-8.11	-4.31/-3.48	-3.12/-9.65	-18.67/-15.61	-8.02/-6.99
Θ(105°)	-13.82/-14.24	-18.46/-11.3	-9.04/-5.4	-13.28/-13.66	-12.92/-9.8	-14.2/-16.66	-18.66/-19.34	-19.39/-11.47	-13.61/-13.95	-16.21/-19.62	-17.66/-18.28	-10.57/-9.63	-6.71/-5.62	-2.62/-0.85	2.41/35	-0.82/-0.68	2.032/16	3.253/11	-2.33/183	1.632/29	-3.45/-4.71	-11.59/-12.71	-19.15/-15.43	-8.74/-9.37
Θ(112.5°)	-17.87/-13.93	-11.77/-13.95	-18.83/-16.85	-9.54/-15.95	-15.93/-19.06	-18.4/-16.12	-10.95/-19.07	-15.06/-13.32	-16.85/-10.19	-17.88/-17.56	-11.15/-9.16	-9.67/-6.89	-5.41/-3.52	-2.94/-3.25	1.82/-0.2	-18.85/-4.16	0.762/06	1.02/-3.39	1.743/52	0.44/-1.11	-1.38/-8.85	-2.85/-4.08	-8.25/-17.73	-12.22/-12.82
Θ(120°)	-18.65/-17.97	-18.29/-13.79	-9.23/-13.7	-8.83/-19.09	-17.68/-14.1	-10.9/-17.9	-11.45/-14.84	-10.09/-15.15	-18.17/-16.78	-17.7/-12.9	-12.39/-12.94	-14.88/-9.94	-8.59/-3.89	-4.61/-3.13	-2.42/-7	-14.8/-2.46	0.742/3	-0.66/-3.23	1.583/75	0.84/-3.02	-7.09/-10.95	-14.52/-12.02	-7.98/-5.85	
Θ(127.5°)	-12.63/-17.97	-17.4/-16.71	-18.6/-16.26	-13.41/-10.05	-10.16/-8.89	-9.25/-14.69	-16.12/-16.83	-14.79/-13.36	-12.74/-14.46	-18.69/-18.16	-13.72/-15.16	-12.36/-14.37	-15.46/-8.38	-9.45/-5.69	-4.72/-8.37	-0.02/-1.76	-1.821/37	-1.38/-2.56	0.643/24	-9.05/-9.41	-10.22/-13.44	-12.51/-8.63		
Θ(135°)	-17.8/-19.4	-19.06/-18.56	-17.82/-18.9	-19.11/-17.11	-18.97/-19.22	-19.89/-14.02	-10.59/-10.38	-17.18/-15.97	-11.97/-11.92	-15.47/-17.77	-10.81/-10.71	-11.01/-18.4	-18.05/-14.9	-18.88/-6.59	-4.51/-4.72	-2.24/-0.8	-0.85/-0.18	-2.93/-4.82	-0.44/1.05	-0.19/-10.56	-9.58/-11.95	-19.22/-10.16	-10.2/-14.31	-11.57/-14.16
Θ(142.5°)	-18.82/-17.41	-18.16/-19.37	-18.1/-17.97	-11.84/-8.63	-7.68/-4.89	-11.91/-14.51	-15.68/-13.98	-15.73/-18.95	-18.16/-17.48	-15.19/-17.35	-18.1/-17.81	-15.72/-17.66	-13.55/-12.11	-9.27/-3.58	-2.33/-1.44	-1.38/-0.96	-3.44/-6.13	-9.11/-7.14	-4.87/-4.04	-5.85/-4.88	-12.98/-18.12	-18.25/-13.52	-6.86/-7.02	-10.8/-16.62
Θ(150°)	-14.74/-11.4	-10.78/-12.94	-14.88/-16.62	-14.28/-8.3	-10.3/-10.14	-13.61/-17.38	-18.83/-16.65	-12.2/-10.05	-9.7/-10.18	-10.41/-9.23	-7.57/-7.69	-8.63/-7.46	-5.79/-5.68	-4.89/-2.81	-0.860/06	0.53/-0.21	-2.71/-1.98	-6.17/-5.11	-2.71/-1.93	-4.32/-5.46	-4.18/-4.25	-5.14/-9.08	-14.53/-16.31	
Θ(157.5°)	-10.16/-9.25	-8.32/-8.16	-8.52/-8.73	-9.15/-11.28	-14.93/-15.99	-13.4/-11.42	-10.39/-11.15	-13.12/-19.32	-18.46/-18	-11.68/-7.58	-5.55/-5.47	-5.65/-4.92	-4.35/-4.82	-5.76/-6	-5.28/-3.62	-2.4/-2.67	-4.08/-5.84	-5.97/-4.23	-2.81/-2.2	-2.39/-2.97	-4.02/-5.12	-5.85/-6.82	-7.65/-10.17	-13.18/-11.86
Θ(165°)	-16.03/-15.05	-14.15/-15.57	-14.06/-13.04	-12.32/-11.96	-12.08/-12.25	-11.54/-11.82	-13.01/-17.33	-18.65/-17.78	-18.31/-17.99	-17.18/-15.3	-14.58/-13.43	-11.44/-9.59	-8.22/-7.26	-6.29/-5.75	-5.13/-4.43	-3.78/-3.27	-3.71/-4.18	-4.43/-3.85	-2.91/-2.11	-2.08/-2.35	-5.43/-9.2	-14.26/-18.64	-19.09/-18.17	-18.56/-15.69
Θ(172.5°)	-9.5/-9.64	-9.11/-7.57	-6.76/-6.19	-6.81/-8.24	-9.54/-12.02	-12.37/-12.33	-13.89/-14.68	-14.21/-13.96	-13.36/-13.33	-13.68/-15.26	-18.65/-17.43	-17.61/-14.73	-12.26/-11.02	-10.8/-9.88	-9.91/-9.32	-9.46/-9.64	-9.81/-10.33	-10.55/-9.57	-9.54/-9.16	-10.31/-13.59	-18.19/-19.08	-18.86/-17	-18.59/-11.93	
Θ(180°)	-7.57/-7.16	-5.49/-4.92	-4.86/-4.55	-4.63/-5.25	-4.6/-7.39	-8.35/-9.31	-10.75/-11.35	-12.95/-13.04	-12.95/-12.28	-11.56/-10.98	-10.14/-9.1	-8.65/-8.19	-7.59/-7.61	-7.46/-6.97	-6.66/-6.52	-7.2/-7.57	-8.12/-8.53	-9.37/-10.82	-11.45/-12.69	-12.89/-13.63	-14.3/-14.91	-15.25/-16.54	-12.83/-9.11	-8/-8.22
Freq(Hz)	6.695GPol.	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°)	-17.22/-14.22	-11.59/-11.66	-12.84/-13.98	-17.93/-17.91	-18.13/-18.29	-18.38/-18.43	-15.87/-14.16	-13.27/-12.79	-11.53/-10.57	-10.76/-11.58	-12.26/-12.61	-12.53/-12.72	-11.53/-13.86	-15.28/-15.97	-18.09/-18.35	-18.75/-18.85	-17.2/-19.15	-19.24/-15.75	-15.13/-13.61	-10.99/-10.87	-9.56/-9.42	-10.09/-8.8	-9.39/-13.33	-14.52/-12.4
Θ(7.5°)	-11.03/-12.88	-16.67/-17.85	-14.69/-13.23	-16.33/-18	-18.84/-18.93	-18/-19.44	-14.32/-10.67	-9.15/-8.27	-7.45/-6.99	-6.52/-6.3	-6.46/-7.8	-7.46/-8.62	-10.15/-12.36	-15.23/-17.36	-18.43/-14.89	-14.18/-13.95	-15.16/-16.46	-17.57/-17.38	-13.31/-11.96	-10.4/-8.99	-8.03/-6.53	-9.23/-17.4	-6.91/-8.93	-9.9/-12.57
Θ(15°)	-6.18/-7.22	-8.54/-8.63	-12.26/-14.28	-13.88/-16.85	-18.52/-18.68	-18.54/-18.6	-15.26/-17.24	-10.53/-8.32	-7.04/-7.39	-8.4/-9.07	-11.04/-15.21	-18.64/-18.93	-15.49/-11.85	-11.81/-10.26	-9.34/-6.58	-9.52/-10.63	-11.34/-10.76	-9.55/-9.39	-10.75/-9.93	-6.51/-6.62	-3.54/-2.11	-1.93/-2.35	-4.47/-5.96	
Θ(22.5°)	-6.14/-5.67	-5.02/-5.78	-7.18/-9.06	-12.34/-15.39	-19.06/-18.99	-18.76/-18.87	-15.85/-11.01	-10.08/-12.72	-18.62/-18.66	-18.95/-17.14	-10.92/-8.41	-8.32/-9.56	-12.05/-12.38	-10.52/-9.6	-10.95/-15.29	-16.88/-14.23	-14.35/-11.8	-8.97/-8.22	-9.08/-9.52	-9.73/-9.25	-10.02/-9.04	-4.74/-3.2	-3.6/-5.48	-6.94/-6.38
Θ(30°)	-9.36/-12.24	-13.57/-11.33	-9/-10.71	-15.52/-17.81	-18.97/-18.68	-18.28/-17.92	-15.06/-12.24	-12.23/-13.76	-14.77/-11.72	-9.49/-7.66	-6.94/-8.14	-10.36/-11.95	-11.35/-11.62	-13.5/-13.98	-10.67/-14.39	-17.09/-14.39	-12.94/-10.7	-10.71/-16.17	-9.39/-8.34	-8.35/-7.85	-8.31/-6.97	-6.17/-6.54	-5.44/-7.28	-6.6/-7.77
Θ(37.5°)	-18.71/-11.5	-10.12/-10.87	-9.56/-9.21	-11.22/-12.57	-14.5/-19.48	-18.91/-15.46	-11.11/18	-17.78/-18.94	-15.96/-11.33	-8.92/-9.62	-11.99/-13.45	-19.18/-16.96	-17.37/-17.12	-17.89/-13.27	-12.38/-14.58	-11.33/-10.79	-10.9/-8.81	-6.9/-5.96	-7.69/-7.36	-5.97/-9.91	-18.91/-19.28	-11.68/-10.47	-10.57/-16.63	
Θ(45°)	-16.69/-17.1	-16.09/-14.74	-17.33/-17.76	-15.39/-16.54	-19.34/-18.79	-14.11/-11.23	-11.91/-15.5	-12.99/-14.04	-13.98/-10.03	-10.55/-11.23	-11.54/-13.68	-11.23/-9.65	-12.14/-12.07	-8.2/-8.1	-8.82/-8.74	-8.55/-9.14	-9.38/-9.58	-8.85/-9.56	-9.15/-8.91	-8.61/-11.83	-16.92/-14.84	-18.5/-15.94	-9.51/-11.73	-17.94/-15.86
Θ(52.5°)	-9.98/-10.29	-19.22/-18.91	-18.07/-18.69	-18.75/-17.59	-17.47/-15.25	-13.45/-18.61	-18.33/-18.2	-18.56/-14.96	-19.08/-9.92	-8.75/-9.58	-6.88/-8.56	-11.03/-8.57	-11.94/-13.72	-10.31/-1.21	-16.03/-15.01	-9/-7.99	-6.76/-6.7	-9.26/-12.58	-13.2/-12.81	-8.38/-6.61	-7.75/-7.81	-13.96/-17.69	-17.09/-8.16	-10.12/-8.28
Θ(60°)	-8.75/-13.59	-10.87/-7.67	-11.21/-11.81	-11.79/-14.45	-18.79/-14.9	-14.91/-18.59	-18.73/-9.99	-9.61/-12.47	-15.65/-17.48	-12.86/-12.11	-10.01/-7.44	-9.42/-9.79	-6.21/-5.62	-4.08/-5.31	-8.14/-11.09	-9.61/-8.23	-6.38/-4.69	-6.17/-8.2	-8.23/-5.9	-6.86/-9.56	-9.38/-9.87	-7.05/-7.41	-10.71/-6.11	-13.23/-8.39
Θ(67.5°)	-5.18/-8.83	-4.58/-7.34	-10.95/-10.48	-12.74/-15.73	-15.35/-18.66	-18.7/-19.14	-17.51/-7.5	-15.24/-19.05	-18.18/-17.78	-17.61/-15.41	-18.49/-13.51	-16.82/-14.91	-13.07/-18.71	-11.78/-12.72										



Radiated Composite Gain Data <6GHz U-NII5~UNII-8>

Appendix B

Θ (67.5°)	-9.52/-6.19	-4.42/-2.6	-1.25/-0.33	0.14/0.23	0.06/-1.11	-2.93/-4.64	-5.73/-5.79	-6.96/-7.95	-5.82/-4.85	-4.79/-5.44	-7.81/-12.87	-19.13/-18.46	-14.87/-15.78	-14.4/-14.69	-18.31/-16.58	-12.92/-14.14	-17.63/-13.17	-8.67/-13.4	-17.98/-16.84	-18.22/-18.69	-17.94/-17.94	-14.83/-12.97	-10.27/-9.74	-11.15/-9.66
Θ (75°)	-7.4/-9.4	-4.15/-3.09	-2.2/-1.76	-2.2/-1.57	-1.35/-1.54	-0.74/-0.18	0.08/-0.62	-1.97/-2.92	-3.23/-2.45	-4.6/-8.1	-13.85/-16.48	-11.55/-7.24	-5.84/-6.61	-8.76/-9.02	-10.81/-10.3	-15.58/-19.04	-12.37/-10.95	-18.26/-14.12	-16.97/-18.29	-18.74/-17.99	-17.67/-15.9	-18.75/-18.95	-18.24/-19.4	-14.1/-8.99
Θ (82.5°)	-6.16/-5.51	-4.93/-4.54	-3.62/-2.68	-1.89/-1.36	-1.7/-0.75	0.29/1.06	1.98/2.35	2.35/2.04	1.47/0.69	-1.2/-3.5	-6.36/-10.58	-10.81/-9.18	-9.09/-10.74	-11.93/-11.4	-10.46/-9.83	-14.28/-18.12	-14.31/-13.08	-18.49/-12.41	-9.56/-9.69	-12.35/-13.99	-14.9/-18.41	-18.32/-17.61	-18.33/-12.1	-9.12/-0.65
Θ (90°)	-8.65/-8.01	-7.4/-6.07	-4.06/-2.57	-1.6/-1.41	-0.94/0.35	0.36/0.19	0.31/63	2.11/-9.4	1.59/0.89	0.57/0.61	-4.05/-9.51	-18.44/-18.09	-13.87/-13.21	-11.17/-15.21	-12.59/-11.62	-12.46/-15.21	-16.75/-15.29	-13.11/-9.85	-13.25/-11.02	-15.82/-15.58	-16.85/-18.24	-13.94/-12.93	-14.84/-16.48	-13.77/-10.07
Θ (97.5°)	-13.16/-10.65	-8.22/-5.53	-3.23/-1.84	-1.79/-2.51	-3.42/-3.14	-1.61/-0.16	1.38/2.16	2.54/2.63	1.85/-1.1	-1.02/-3.16	-7.24/-14.08	-18.31/-17.72	-18.57/-16.03	-17.76/-18.63	-18.3/-18.16	-13.26/-13.25	-17.53/-17.91	-18.86/-14.29	-9.91/-14.19	-18.44/-11.71	-9.27/-7.95	-12.78/-14.4	-13.15/-15.04	-14.65/-14.34
Θ (105°)	-8.87/-8.64	-6.28/-6.23	-4.81/-3.34	-2.69/-1.95	-1.59/-1.19	-0.86/-0.23	1.07/1.57	1.35/-0.28	-1.84/-2.72	-5.98/-9.91	-15.35/-15.48	-11.83/-14.14	-18.01/-17.19	-14.22/-18.74	-15.18/-16.4	-14.54/-17.7	-12.37/-13.47	-17.58/-17.98	-19.09/-18.9	-11.89/-10.44	-15.11/-15.71	-16.35/-11.5		
Θ (112.5°)	-5.62/-4.6	-3.93/-3.42	-3.77/-3.67	-3.16/-2.63	-1.11/-0.53	-0.05/0.43	0.31/1.6	1.27/0.44	-1.16/-2.74	-4.64/-6.42	-7.53/-8.85	-9.3/-10.61	-9.35/-8.84	-9.18/-13.03	-17.01/-18.32	-15.49/-19.1	-18.56/-14.84	-17.01/-10.14	-13.14/-10.73	-17.4/-14.06	-11.72/-14.78	-9.49/-5.38	-6.44/-8.59	-7.86/-6.76
Θ (120°)	-7.38/-7.22	-5.74/-4.31	-2.85/-1.24	0.04/0.79	1.11/0.43	0.15/0.3	0.48/0.2	-0.26/0.19	-0.31/-0.88	-1.29/-2.75	-5.89/-9.06	-10.79/-11.5	-11.93/-11.77	-13.41/-15.36	-17.76/-14.08	-12.23/-17.26	-15.99/-8.01	-9.28/-17.63	-18.89/-14.84	-15.26/-11.5	-15.27/-17.42	-11.37/-9.74	-6.53/-4.67	-6.03/-7.82
Θ (127.5°)	-7.63/-6.54	-4.62/-3.3	-2.38/-1.9	-2.18/-2.45	-1.97/-0.71	0.13/0.9	1.55/0.94	-0.2/-0.92	-0.92/-0.65	-1.36/-2.82	-4.73/-6.17	-7.8/-9.67	-12.3/-16.08	-18.63/-19.08	-19.34/-17.52	-17.74/-17.87	-15.41/-11.03	-13.55/-15.66	-16.38/-11.59	-9.94/-17.61	-13.82/-15.27	-15.93/-12.1	-12.56/-12.56	-9.78/-9.38
Θ (135°)	-8.53/-6.65	-5.59/-5.36	-6.14/-6.27	-5.72/-5.22	-4.38/-3.05	-1.6/-0.21	0.31/-0.21	-1.78/-4.47	-6.79/-7.43	-8.59/-9.83	-9.27/-8.16	-7.73/-7.53	-8.1/-8.81	-10.93/-12.43	-16.9/-17.5	-18.75/-17.69	-18.35/-13.42	-15.04/-18.35	-18.39/-17.89	-13.91/-12.16	-12.65/-10.8	-9.43/-10.89	-12.81/-15.63	-14/-10.64
Θ (142.5°)	-9.21/-8.41	-7.73/-7.01	-6.73/-6.55	-6.66/-6.67	-6.45/-5.71	-4.37/-3.41	-3.08/-3.34	-4.49/-7.18	-10.46/-13.85	-10.64/-8.05	-6.93/-6.18	-18.11/-16.9	-16.23/-15.84	-15.44/-15.49	-12.85/-13.9	-13.94/-14.74	-18.82/-18.11	-16.21/-15.18	-17.75/-18.91	-14.9/-12	-13.87/-17.76	-18.15/-16.96	-17.15/-15.61	-12.61/-10.19
Θ (150°)	-8.81/-8.88	-9.07/-9.86	-10.09/-10.08	-9.69/-9.42	-9.29/-9.71	-9.36/-8.37	-7.18/-6.45	-7.09/-5.88	-10.63/-13.29	-18.25/-18.46	-18.83/-18.24	-18.22/-17.09	-16.83/-16.25	-15.83/-14.27	-15.14/-17.56	-19.23/-17.9	-18.43/-16.64	-14.37/-15.69	-18.63/-18.21	-18.52/-19.09	-18.66/-16.19	-15.29/-18.06	-18.05/-18.98	-12.80/-10.32
Θ (157.5°)	-7.68/-6.95	-7.16/-7.61	-7.93/-8.31	-8.73/-8.73	-9.1/-9.47	-8.78/-7.16	-5.55/-4.77	-4.99/-5.94	-6.94/-7.78	-8.69/-10.37	-12.23/-13.33	-14.27/-16.87	-18.17/-17.85	-19.17/-17.78	-17.89/-15.04	-13.78/-12.21	-10.65/-11.1	-14.81/-19.03	-18.48/-18.99	-18.65/-17.97	-17.5/-15.81	-15.45/-18.45	-17.69/-12.53	-9.61/-8.4
Θ (165°)	-12.57/-12.52	-13.07/-13.93	-14.69/-13.08	-10.91/-9.37	-8.6/-7.6	-7.35/-7.38	-7.71/-8.31	-9.71/-11.66	-14.23/-16.51	-18.6/-19.19	-17.91/-18.66	-18.11/-16.9	-16.23/-15.84	-15.44/-15.49	-12.85/-13.9	-9.23/-9.28	-10.43/-12.41	-14.66/-16.19	-17.26/-19.01	-18.1/-18.57	-17.7/-19.21	-18.71/-17.81	-18.71/-15.75	-14.4/-13.97
Θ (172.5°)	-9.17/-10.62	-9.91/-10.62	-8.94/-7.65	-6.93/-6.85	-7.24/-7.68	-8.06/-9.01	-9.96/-11.01	-12.62/-15.36	-18.86/-17.87	-19.81/-15.72	-13.87/-12.35	-11.57/-11.55	-11.8/-11.83	-11.59/-11.19	-10.75/-10.31	-10.16/-10.36	-10.62/-10.95	-11.11/-10.31	-11.29/-11.45	-11.55/-11.07	-11.07/-11.04	-11.05/-11.13	-11.34/-11.48	-11.94/-11.41
Θ (180°)	-10.56/-10.21	-10.18/-10.27	-10.32/-10.31	-10.28/-10.47	-11.01/-12.01	-12.81/-13.71	-14.38/-14.87	-15.64/-16.62	-16.88/-15.99	-15.38/-15.83	-16.33/-17.06	-17.43/-17.54	-16.55/-16.06	-15.94/-16.83	-17.5/-17.5	-17.4/-17.43	-17.24/-16.81	-16.26/-15.45	-14.81/-14.08	-13.42/-13.03	-12.83/-12.42	-11.99/-12.02	-11.97/-11.7	-11.09/-10.84
Freq(Hz)	6.175GPol.	Theta/Ant. 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ (0°)	-6.7/-6.73	-6.91/-7.4	-7.97/-8.77	-10.05/-11.53	-13.18/-15.25	-18.9/-18.3	-17.86/-17.49	-14.1/-12.2	-10.79/-9.94	-9.05/-8	-7.15/-6.65	-6.37/-6.41	-6.94/-7.71	-8.61/-9.6	-11.23/-12.57	-14.05/-15.42	-18.86/-18.77	-18.43/-18.2	-18.92/-16.54	-14.01/-12.7	-11.67/-10	-8.8/-8.21	-7.46/-7.07	-6.95/-6.89
Θ (7.5°)	-10.87/-11.26	-11.55/-12.01	-12.94/-14.02	-15.92/-18.1	-17.81/-18.09	-18.73/-18.96	-18.37/-18.32	-17.84/-14.84	-12.62/-10.74	-9.38/-8.39	-7.35/-6.46	-5.66/-5.58	-5.64/-5.91	-6.52/-7.25	-8.19/-6	-10.79/-12.78	-15.71/-18.24	-18.24/-18.12	-16.93/-12.94	-10.96/-9.82	-8.93/-8.07	-7.55/-7.55	-7.88/-8.58	-9.49/-10.18
Θ (15°)	-9.26/-9.52	-9.56/-9.94	-11.18/-12.69	-14.59/-16.7	-18.22/-18.92	-16/-15.23	-15.42/-15.15	-14.66/-13.51	-11.81/-10.72	-10.22/-8.85	-8.13/-7.28	-7.14/-7.12	-7.02/-7.15	-7.27/-7.54	-7.52/-7.95	-9.06/-10.84	-13.92/-19.5	-18.24/-17.36	-13.59/-10.35	-8.63/-7.85	-7.3/-7.25	-7.79/-8.61	-9.65/-10.41	-10.26/-9.69
Θ (22.5°)	-6.84/-6.75	-6.6/-7.19	-8.4/-9.73	-11.96/-15.27	-15.64/-13.21	-11.92/-11.67	-11.51/-11.23	-10.83/-10.78	-10.96/-10.87	-9.87/-9.36	-9.07/-8.67	-9.06/-10.06	-11.54/-12.37	-13.01/-12.71	-11.67/-10.51	-10.16/-11.57	-15.46/-18.85	-19.32/-16.89	-12.49/-9.68	-8.45/-8.07	-8.62/-9.32	-9.57/-9.37	-8.56/-7.74	-6.67/-6.46
Θ (30°)	-8.27/-8.17	-8.46/-9.2	-10.72/-12.97	-15.5/-15.98	-13.43/-11.82	-9.78/-8.2	-7.5/-7.7	-10.87/-8.67	-10.5/-11.88	-10.66/-10.05	-10.09/-8.82	-8.6/-8.88	-8.73/-8.86	-10.58/-12.82	-12.89/-11.95	-13.83/-12.57	-12.91/-14.98	-17.16/-13.3	-10.3/-10.36	-11.1/-10.53	-10.98/-11.36	-10.23/-10.21	-10.09/-9.52	-8.77/-8.15
Θ (37.5°)	-11.08/-11.56	-12.33/-14.11	-18.88/-19.12	-18.42/-16.45	-14.74/-11.97	-9.46/-7.96	-7.18/-6.75	-7.44/-8.57	-9.66/-11.85	-11.29/-9.92	-10.33/-10.55	-11.86/-13.08	-13.91/-17.91	-18.31/-18.95	-18.09/-17.6	-13.48/-11.16	-11.69/-14.67	-13.54/-12.55	-11.73/-11.06	-14.2/-19.62	-14.94/-13.79	-13.55/-12.53	-11.84/-12.13	-11.16/-10.75
Θ (45°)	-9.02/-9.7	-9.13/-10.14	-11.41/-13.14	-17.98/-17.88	-13.92/-10.67	-9.22/-8.96	-8.39/-8.09	-8.01/-8.59	-9.52/-8.11	-8.25/-8.11	-9.56/-13.1	-17.89/-17.8	-18.99/-14.34	-18.91/-17.64	-16.54/-12.85	-13.91/-17.51	-16.27/-12.8	-11.48/-14.94	-17.5/-15.1	-10.59/-8.73	-10.3/-9.97	-9.44/-9.39	-9.57/-9.14	
Θ (52.5°)	-8.62/-8.7	-8.55/-9.19	-9.53/-10.49	-11.38/-10.33	-7.81/-5.99	-5.33/-5.62	-6.82/-8.72	-11.01/-15.06	-18.48/-17.73	-13.04/-11.33	-9.53/-10.06	-11.13/-12.64	-13.92/-18.57	-18.09/-17.67	-18.71/-18.82	-16.39/-13.92	-14.64/-13.31	-14.41/-16	-17.56/-13.74	-12.78/-12.56	-12.31/-10.14	-10.89/-9.86	-9.86/-9.11	-9.51/-9.05
Θ (60°)	-9.24/-8.95	-8.56/-8.78	-9.73/-11.72	-10.32/-13.75	-4.69/-3.68	-4/-5.6	-8.08/-10.92	-15.29/-19.15	-17.61/-18.17	-16.88/-11.29	-10.51/-11.13	-13.79/-13.18	-13.24/-11.5	-12.1/-12.71	-16.86/-17.83	-18.5/-18.93	-19.61/-19	-12.37/-19.09	-19.02/-14.32	-13.06/-16.42	-18.63/-15.46	-14.42/-12.25	-9.39/-9.37	-8.98/-8.47
Θ (67.5°)	-11.37/-12.28	-12.75/-14.23	-14.39/-13.62	-10.82/-7.67	-5.1/-4.79	-5.85/-10.25	-18.85/-17.07	-12.99/-10.38	-11.58/-17.44	-17.9/-11.6	-9.49/-10.57	-12.8/-14.7	-13.44/-12.25	-12.4/-13.72	-18.48/-17.6	-16.35/-15.52	-17.34/-19.13	-17.65/-18.1	-18.43/-18.28	-19.27/-16.26	-13.25/-11.66	-11.96/-11.94	-9.2/-9.91	-10.93/-10.43
Θ (75°)	-18.39/-15.81	-13.96/-12.78	-17.19/-18.03	-14.66/-10.05	-9.1/-10.27	-13.5/-18.88	-18.62/-12.97	-7.19/-4.72	-6.4/-10.98	-18.07/-15.29	-9.57/-8.06	-9.53/-9.95	-16.83/-18.39	-19.15/-19.01	-18.39/-17.86	-16.98/-18.25	-16.71/-13.18	-16.81/-18.92	-16.39/-13.19	-14.54/-15.75	-14.67/-15.4	-18.67/-18.27	-17.96/-19.08	
Θ (82.5°)	-18.44/-18.21	-19.08/-16.82	-14.55/-15.16	-17.55/-17.7	-16.39/-15.69	-18.53/-17.24	-14.06/-13.66	-10.81/-6.35	-7.92/-12.9	-17.86/-17.19	-13.18/-11.44	-13/-15.33	-18.15/-15.64	-14.97/-16.56	-18.27/-18.55	-18.83/-19.31	-19.01/-18.97	-18.29/-16.04	-14.26/-15.7	-14.21/-16.61	-17.06/-17.39	-18.79/-18.98	-18.57/-18.11	-18.33/-18.03
Θ (90°)	-18.57/-15.2	-12.24/-10.19	-10.03/-10.85	-13.1/-18.62	-18.93/-18.39	-17.99/-17.83	-14.63/-13.22	-14.47/-11.9	-10.98/-12.76	-16.91/-15.97	-14.1/-14.6	-14.42/-17.34	-17.08/-17.93	-18.73/-18.21	-18.53/-19.19	-18.52/-18.91	-19/-17.05	-18.42/-18.23	-19.43/-19.82	-18.96/-18.52	-19.28/-17.31	-17.62/-18.1	-18.51/-17.63	-18.69/-18.56
Θ (97.5°)	-14.87/-12.85	-10.64/-9.65	-9.16/-10.11	-12.63/-17.29	-18.79/-18.3	-18.42/-18.48	-18.48/-15.81	-16.3/-19.34	-12.87/-11.87	-12.75/-13.8	-17.1/-19.01	-19.21/-18.33	-19.16/-8.7	-18.91/-19.12	-17.81/-19.32	-15.99/-17.67	-19.11/-17.28	-16.86/-17.13	-18.5/-19.42	-17.71/-17.86	-17.92/-18.05	-18.86/-17.6	-18.11/-15.99	-18.73/-16.94
Θ (105°)	-11.47/-9.84	-10.77/-10.78	-10.84/-9.34	-8.15/-9.57	-11.6/-12.84	-12.87/-11.59	-10.56/-9.81	-7.89/-6.14	-6.48/-7.06	-8.05/-10.91	-12.04/-12.58	-12.03/-11.93	-12.5/-12.38	-12.54/-13.76	-18.24/-17.75	-18.27/-19.12	-17.71/-18.96	-15.93/-18.69	-19.15/-15.23	-16.15/-18.74	-18.59/-17.99	-12.97/-11.78	-14.04/-11.83	-



Radiated Composite Gain Data <6GHz U-NII5~UNII-8>

Appendix B

Θ (112.5°)	-6.45/-5.64	-6.61/-6.63	-6.34/-6.63	-4.96/-4.15	-2.64/-1.94	-2.49/-1.94	-0.71/0.27	-0.21/-1.69	-2.09/-1.53	-2.05/-2.85	-4.37/-7.57	-10.72/-13.73	-14.28/-12.16	-15.35/-17.62	-18.06/-12.44	-13.07/-16.14	-12.98/-10.34	-8.37/-14.32	-18.02/-17.9	-13.87/-12.53	-11.67/-19.16	-17.91/-16.55	-16.94/-9.59	-8.16/-16.12
Θ (120°)	-12.52/-11.04	-9.45/-6.13	-3.61/-2.86	-2.69/-1.97	-0.68/-1.3	1.39/0.38	-0.81/-0.85	-0.85/-1.69	-3.25/-3.89	-5.01/-5.83	-7.62/-9.98	-11.23/-12.13	-13.37/-11.51	-11.76/-12.81	-16.19/-18.64	-17.73/-15.62	-10.32/-8.49	-9.58/-16.79	-12.16/-10.71	-10.78/-12.72	-17.44/-18.74	-16.13/-13.25	-13.15/-10.36	-13.39/-11.72
Θ (127.5°)	-1.408/-9.62	-6.84/-5	-3.43/-2.43	-2.32/-2.43	-3.32/-3.01	-1.36/-0.63	-0.71/-1.51	-2.11/-2.08	-2.39/-3.79	-6.07/-1.82	-9.74/-11.65	-10.71/-11.21	-10.77/-17.49	-17.53/-18.55	-15.37/-17.68	-19.23/-13.68	-17.97/-11.33	-11.67/-13.2	-13.11/-19.06	-15.18/-12.82	-13.72/-18.8	-17.24/-18.8	-17.54/-18.93	-18.25/-17.87
Θ (135°)	-13.29/-11.59	-9.73/-9.44	-9.22/-8.84	-7.83/-5.95	-4.59/-4.03	-3.87/-3.71	-2.96/-3.09	-4.05/-4.14	-3.59/-3.37	-4.11/-5.69	-8.35/-13.04	-17.6/-16.61	-11.67/-11.75	-18.44/-13.79	-10.89/-14.77	-16.63/-18.19	-17.83/-18.79	-11.87/-15.26	-17.77/-19.36	-18.42/-19.98	-18.62/-16.01	-16.87/-17.7	-17.23/-17.62	-18.72/-17.15
Θ (142.5°)	-7.86/-6.25	-5.2/-5.16	-6.05/-7.56	-9.05/-9.36	-10.08/-10.3	-8.41/-6.1	-9/-4.56	-4.24/-4.1	-4.1/-4.92	-6.13/-8.1	-8.85/-8.88	-8.51/-6.37	-7.92/-8.27	-11.49/-12.7	-12.2/-14.4	-12.54/-12.09	-18.62/-12.58	-10.92/-9.98	-10.81/-15.17	-18.05/-16.78	-18.32/-17.05	-14.25/-14.71	-14.55/-14.12	-12.88/-10.43
Θ (150°)	-12.77/-12.4	-10.74/-9.3	-8.23/-7.6	-7.75/-7.64	-6.35/-5.08	-4.45/-4.58	-4.72/-4.87	-4.8/-4.69	-5.16/-6.59	-8.46/-9.96	-10.01/-9.42	-9.41/-9.85	-11.25/-10.21	-9.27/-9.52	-9.78/-11.98	-16.85/-18.66	-15.46/-12.99	-14.65/-17.44	-17.85/-17.81	-17.71/-14.32	-18.25/-18.41	-18.48/-16.18	-13.28/-11.38	-10.99/-11.63
Θ (157.5°)	-9.49/-8.64	-8.06/-7.86	-7.74/-8.03	-8.45/-8.37	-7.56/-6.51	-6.02/-6	-6.2/-6.37	-6.51/-6.77	-7.03/-8	-10.45/-14.86	-18.77/-17.63	-15.62/-14.64	-11.75/-6.61	-7.17/-6.58	-6.55/-7.85	-10.91/-16.56	-18.45/-19.15	-18.81/-19.11	-18.91/-14.79	-12.94/-13.41	-13.53/-12.41	-11.32/-11.53	-12.86/-12.97	-11.07/-9.87
Θ (165°)	-6.62/-6.7	-7.03/-7.7	-8.82/-10.35	-11.5/-11.32	-10.11/-9.2	-9.33/-9.85	-10.1/-10.67	-11.38/-12.13	-13.11/-13.57	-13.29/-12.81	-11.56/-9.88	-8.36/-7.44	-6.94/-6.99	-7.72/-9.16	-11.1/-12.91	-16.76/-15.96	-16.54/-17.34	-16.72/-15.89	-14.97/-15.26	-15.46/-14.71	-15.16/-13.63	-11.02/-8.91	-7.66/-7.15	
Θ (172.5°)	-18.12/-18.22	-17.94/-17.48	-18.29/-18.69	-18.28/-18.79	-18.9/-18.93	-17.25/-18.79	-17.67/-17.46	-18.51/-18.81	-18.81/-18.23	-18.24/-19.16	-17.93/-18.04	-19.26/-18.37	-18.58/-19.04	-18.31/-16.51	-14.62/-12.91	-11.46/-10.64	-10.29/-10.2	-10.5/-11.11	-12.39/-13.77	-15.06/-15.54	-15.71/-14.78	-14.19/-14.62	-15.41/-16.12	-17/-18.08
Θ (180°)	-17.1/-16.46	-15.76/-15.26	-15.23/-13.66	-12.57/-12.88	-13.35/-14.07	-13.86/-14.3	-15.37/-16.35	-16.79/-16.06	-14.79/-13.6	-13.4/-14.86	-15.4/-14.74	-13.07/-11.76	-10.45/-9.84	-9.51/-9.3	-9.44/-9.99	-10.59/-11.11	-11.68/-11.97	-12.25/-12.45	-13.16/-13.62	-14.42/-15.34	-15.62/-15.32	-15.56/-15.9	-16.27/-16.1	-15.88/-16.59
Freq[Hz]	6.995/GPol.	Theta/Ant. 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ (0°)	-8.07/-9.99	-13.28/-19.35	-17.86/-18.19	-17.24/-15.49	-12.26/-9.99	-8.63/-7.85	-6.87/-6.34	-5.83/-5.88	-5.82/-5.82	-5.69/-5.2	-5.09/-5.4	-6.16/-7.49	-9.46/-12.67	-16.41/-17.81	-18.78/-18.58	-16.31/-13.76	-11.38/-9.51	-8.08/-6.72	-5.73/-4.76	-4.35/-4.38	-4.41/-4.35	-4.56/-4.95	-5.38/-5.86	-6.57/-7.21
Θ (7.5°)	-11.07/-13.8	-17.9/-18.7	-17.62/-18.73	-16.48/-13.84	-10.88/-9.24	-7.96/-6.85	-5.82/-5.06	-4.7/-4.18	-4.06/-4.07	-3.68/-3.53	-3.58/-3.95	-4.71/-5.86	-7.95/-10.95	-14.36/-18.61	-17.37/-18.14	-17.37/-14.42	-13.04/-11.27	-9.44/-7.74	-6.57/-5.65	-5.63/-5.61	-5.68/-5.99	-6.33/-6.74	-7.09/-7.85	-8.83/-9.68
Θ (15°)	-17.99/-17.46	-17.78/-18.85	-16.1/-14.16	-13.35/-12.09	-10.42/-9.18	-8.14/-6.87	-6.07/-5.62	-5.16/-4.5	-4.48/-4.04	-4.01/-4.24	-4.57/-4.9	-5.34/-5.97	-7.08/-8.85	-11.27/-13.66	-16.14/-17.45	-16.19/-14.94	-12.8/-11.34	-9.52/-9.32	-8.82/-8.42	-8.55/-9.34	-10.35/-12.14	-14.75/-17.39	-16.39/-16.93	-
Θ (22.5°)	-13.19/-14.18	-14.87/-14.5	-13.49/-13.73	-12.68/-10.85	-9.16/-8.39	-7.75/-7.34	-6.8/-6.26	-6.24/-6.24	-6.08/-5.56	-5.66/-6.06	-6.48/-6.89	-7.77/-8.62	-9.22/-9.08	-9.49/-10.66	-12.73/-15.2	-18.9/-19.07	-17.51/-17.05	-14.27/-13.03	-12.75/-12.5	-12.33/-12.09	-12.52/-13.13	-15.74/-18.49	-18.84/-18.61	-14.9/-13.61
Θ (30°)	-16.11/-18.65	-15.96/-14.42	-13.47/-12.63	-11.45/-10.53	-10.63/-10.29	-9.65/-8.88	-8.41/-8.05	-7.31/-7.29	-6.1/-5.4	-5.47/-5.62	-6.58/-6.62	-6.96/-7.79	-8.69/-10.58	-14.33/-17.68	-17.73/-13.77	-11.11/-16.61	-18.62/-13.59	-11.69/-12.36	-12.8/-13.88	-18.82/-12.18	-13.86/-17.73	-18.92/-18.4	-16.82/-14.51	-15.24/-12.17
Θ (37.5°)	-12.1/-9.39	-9.36/-10.24	-11.47/-12.21	-12.73/-13.16	-10.37/-10.96	-12.88/-11.74	-9.72/-8.04	-6.59/-4.97	-3.54/-2.91	-2.97/-3.71	-5.4/-6.17	-6.79/-6.53	-14.31/-18.78	-14.71/-10.38	-10.99/-18.16	-14.79/-12.04	-9.38/-10.5	-15.26/-18.92	-17.96/-19.4	-18.62/-17.83	-15.91/-13.59	-14.34/-13.55	-12.42/-12.03	-
Θ (45°)	-13.16/-15.03	-18.51/-17.21	-17.86/-18.5	-18.22/-14.61	-11.11/-9.69	-10.01/-10.28	-11.77/-13.53	-13.48/-9.82	-7.5/-6.3	-6.24/-6.51	-8.37/-8.29	-8.92/-8.15	-9.07/-12.15	-17.2/-17.89	-15.77/-10.31	-9.55/-11.15	-16.28/-16.53	-15.58/-13.58	-17.81/-18.06	-18.08/-18.16	-18.45/-17.87	-18.06/-15.8	-16.78/-11.12	-10.16/-11.61
Θ (52.5°)	-17.77/-15.21	-17.96/-18.89	-19.17/-14.69	-10.45/-7.7	-5.89/-5.03	-5.11/-5.2	-6.14/-7.98	-9.47/-11.65	-13.63/-14.1	-12.62/-9.88	-10.78/-12.48	-16.14/-14.8	-18.23/-18.76	-19.04/-18.79	-17.75/-16.46	-18.19/-19.06	-16.23/-12.18	-16.53/-19.1	-16.12/-14.19	-17.91/-17.94	-11.59/-13.2	-18.53/-15.09	-17.13/-9.05	-8.95/-11.68
Θ (60°)	-17.16/-17.66	-18.95/-17.33	-18.49/-13.82	-8.6/-4.88	-3.23/-3.31	-4.03/-6.05	-8.49/-9.4	-8.78/-9.64	-7.25/-8.66	-13.83/-11.03	-8.56/-8.2	-8.32/-8.13	-8.75/-10.47	-12.68/-14.08	-14.39/-16.93	-19.34/-18.13	-16.28/-11.08	-19.47/-13.47	-12.75/-15.98	-16.95/-14.76	-14.14/-18.24	-16.78/-18.74	-	-
Θ (67.5°)	-14.55/-15.5	-18.05/-19.01	-18.14/-14.04	-10.47/-8.14	-6.46/-6.01	-8.04/-12.48	-16/-14.74	-13.9/-10.98	-9.18/-12.56	-13.84/-9.56	-9.48/-10.87	-14.02/-11.15	-10.32/-7.47	-10.24/-12.26	-13.14/-14.39	-16.02/-18.99	-17.41/-17.3	-16.46/-18.56	-17.04/-18.46	-17.81/-18.28	-18.08/-18.34	-19.02/-18.42	-18.46/-15.04	-13.49/-12.9
Θ (75°)	-14.61/-14.83	-15.54/-18.86	-18.42/-18.5	-18.65/-18.39	-10.92/-9.87	-7.04/-6.69	-7.96/-10.08	-10.83/-12.26	-14.84/-15.19	-19.31/-17.86	-12.17/-14.17	-10.67/-13.27	-16.81/-18.7	-17.85/-18.21	-17.69/-18.62	-16.8/-18.34	-17.36/-18.01	-18.57/-15.87	-18.08/-18.43	-18.77/-18.93	-18.15/-18.52	-18.74/-16.08	-13.1/-13.42	-14.91/-15.51
Θ (82.5°)	-19.15/-18.84	-13.84/-8.65	-7.37/-7.19	-10.86/-15.24	-10.01/-9.97	-10.75/-12.31	-10.77/-12.34	-10.8/-8.23	-9.12/-11.7	-18.12/-13.66	-11.58/-12.42	-12.19/-11.02	-10.12/-11.62	-13.49/-18.63	-18.19/-18.26	-17.97/-18.43	-18.08/-18.27	-18.02/-16.07	-17.33/-17.66	-18.74/-18.03	-19.46/-13.35	-18.97/-17.55	-14.74/-16.55	-
Θ (90°)	-11.32/-9.4	-7.21/-5.32	-4.05/-4.12	-7.27/-13.78	-12.22/-7.57	-6.89/-9.48	-12.01/-15.21	-13.89/-12.32	-16.05/-17.36	-15.27/-11.77	-10.89/-12.4	-15.06/-19.11	-18.66/-15.57	-12.67/-14.24	-17.99/-18.6	-18.53/-18.47	-17.71/-11.45	-10.73/-19.21	-17.7/-17.57	-17.23/-16.22	-15.66/-18.65	-15.86/-18.63	-18.76/-18.45	-19.06/-16.54
Θ (97.5°)	-17.41/-13.1	-8.3/-5.68	-5.27/-6.1	-8.03/-10.2	-13.34/-10.53	-7.58/-7.57	-11.41/-12.34	-15.15/-16.42	-16.03/-17.95	-18.05/-18.98	-15.52/-17.39	-17.3/-18.17	-18.02/-18.77	-18.87/-14.64	-17.46/-14.19	-17.56/-17.33	-18.95/-17.68	-18.06/-18.39	-15.77/-17.97	-12.99/-10.93	-18.76/-14.02	-19.1/-19.39	-18.48/-17.89	-18.94/-17.72
Θ (105°)	-18.16/-18.73	-17.94/-13.84	-9.78/-4.44	-7.73/-8.59	-10.45/-13.62	-11.18/-11.28	-11.19/-15.75	-16.17/-16.09	-13.71/-11.28	-13.73/-18.84	-16.36/-19.99	-19/-17.99	-18.88/-18.82	-17.7/-18.61	-17.11/-18.83	-18.34/-18.33	-18.74/-18.79	-18.94/-19.19	-18.98/-18.85	-19.43/-18.01	-18.64/-14.25	-14.29/-19.39	-17.65/-17.65	-19.26/-17.42
Θ (112.5°)	-14.04/-13.04	-11.53/-11.28	-10.7/-13.43	-17.59/-18.71	-13.25/-10.34	-11.17/-14.39	-18.38/-18.88	-12.92/-10.23	-10.01/-12.35	-12.13/-8.77	-9.48/-12.95	-14.71/-16.2	-14.64/-14.96	-16.32/-13.78	-13.62/-15.57	-19.31/-19.02	-14.43/-17.67	-17.09/-19.07	-15.5/-18.76	-19.28/-18.41	-15.12/-18.86	-18.43/-14.88	-16.04/-16.93	-16.09/-13.69
Θ (120°)	-11.49/-9.08	-7.87/-7.46	-9.47/-13.44	-16.89/-10.23	-6.68/-6.93	-8.28/-15.48	-18.52/-9.92	-7.14/-7.63	-7.89/-8.91	-9.74/-11.12	-13.5/-12.79	-13.96/-15.28	-17.36/-16.12	-18.71/-18.06	-15.46/-18.57	-16.41/-12.88	-14.99/-18.41	-17.17/-18.91	-18.47/-18.91	-16.94/-14.99	-18.79/-19	-18.74/-18.2	-16.52/-18.46	-14.82/-12.54
Θ (127.5°)	-18.99/-17.68	-14.88/-15.07	-18.06/-18.93	-16.0/-10.26	-8.55/-9.47	-12.88/-13.04	-9.67/-8.37	-8.44/-6.63	-6.51/-7.67	-10.74/-15.11	-14.63/-15.19	-17.21/-18	-17.86/-16.31	-14.43/-19.39	-18.9/-17.39	-16.38/-16.16	-14.95/-18.27	-17.72/-18.55	-18.71/-18.94	-18.21/-17.87	-17.75/-18.9	-15.31/-17.96	-16.66/-18.37	-18.05/-18.76
Θ (135°)	-12.34/-15.1	-14.61/-16.27	-16.12/-14.32	-16.04/-18.12	-18.68/-17.61	-17.22/-19.7	-15.22/-11.97	-9.64/-8.95	-9.43/-9.91	-10.91/-11.85	-11.82/-11.12	-14.55/-18.41	-13.57/-10.45	-10.09/-13.9	-13.26/-13.98	-16.39/-14.19	-13.25/-18.12	-18.48/-17.35	-18.09/-18.04	-18.73/-17.16	-17.66/-17.56	-18.07/-18.39	-17.87/-12.86	-11.12/-12.13
Θ (142.5°)	-11.75/-12.95	-13.17/-13.62	-14.46/-13.27	-12.19/-13.55	-16.3/-15.78	-12.95/-10.36	-8.3/-6.97	-7.02/-9.18	-13.64/-18.32	-18.97/-18.84	-18.61/-18.3	-18.78/-19.13	-12.94/-10.8	-9.94/-11.72	-15.93/-17.67	-16.57/-16.37	-17.78/-17.73	-17.4/-18.02	-18.71/-17.39	-15.41/-14.81	-15.57/-18.13	-17.04/-15.88	-17.94/-19.08	-13.11/-12.49
Θ (150°)	-6.33/-5.5	-5.31/-6.09	-7.54/-9.41	-12.63/-16.94	-17.84/-16.01	-15.83/-17.49	-18.43/-18.26	-18.12/-14.23	-8.69/-7.02	-6.01/-6.22	-7.19/-9.86	-9.86/-10.7	-10.59/-9.91	-9.81/-12.18	-12.2/-11.59	-13.57/-14.74	-17.31/-15.19							



Radiated Composite Gain Data <6GHz U-NII5~UNII-8>

Appendix B

Θ (165°)	-17.58/-18.68	-18.28/-17.96	-18.68/-19.04	-18.18/-18.4	-18.73/-18.11	-19.03/-19.07	-17.66/-19.15	-19.54/-18.82	-18.62/-18.82	-18.51/-17.85	-17.44/-16.25	-14.84/-13.76	-12.04/-10.5	-9.52/-9.28	-9.92/-11.08	-11.91/-12.34	-11.83/-11.48	-11.24/-11.08	-11.66/-12.97	-14.39/-14.86	-14.47/-13.89	-14.2/-16.45	-19.13/-18.75	-17.87/-17.58
Θ (172.5°)	-18.27/-17.01	-16.53/-16.53	-17.18/-19.4	-17.76/-19.42	-18.18/-18.4	-18.2/-18.57	-18/-18.98	-18.39/-18.91	-18.08/-17.52	-17.99/-15.54	-13.58/-12.58	-11.25/-10.76	-10.3/-10.1	-10.12/-9.84	-9.48/-9.58	-10.48/-11.84	-12.91/-13.55	-14.06/-14.47	-15.28/-16.95	-18.81/-18.21	-18.31/-18.81	-17.96/-14.37	-18/-18.1	-18.32/-18.73
Θ (180°)	-18.43/-18.32	-18.08/-16.68	-16.51/-16.88	-17.53/-18.97	-17.4/-18.69	-18.37/-18.69	-18.03/-17.52	-18.18/-18.62	-18.92/-18.33	-17.33/-16.91	-16.15/-15.91	-15.32/-14.88	-14.94/-15.13	-15.56/-16.79	-17.56/-19.07	-18.25/-18.69	-18.63/-19.07	-18.12/-18	-18.08/-19.43	-18.76/-18.53	-18.79/-18.15	-18.13/-18.58	-18.09/-17.69	-18.11/-18.66
Freq(Hz)	6.175GPol.	Theta/Ant. 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ (0°)	-19.12/-17.5	-15.18/-14.19	-9.79/-9.82	-8.91/-8.06	-7.35/-6.65	-6.04/-5.59	-5.24/-5.1	-5.08/-5.46	-5.92/-6.81	-10.76/-13.39	-16.63/-18.18	-18.11/-19.37	-17.09/-12.43	-9.95/-8.21	-7.28/-6.88	-6.47/-5.91	-5.7/-5.61	-5.55/-5.59	-5.75/-5.98	-6.35/-6.91	-8/-9.24	-11.21/-14.18	-18.26/-18.24	
Θ (7.5°)	-19.01/-18.11	-14.33/-11.34	-9.08/-7.61	-6.64/-5.83	-5.17/-4.75	-4.46/-4.37	-4.39/-4.57	-4.93/-5.49	-6.48/-7.64	-8.95/-10.63	-12.9/-15.11	-17.16/-18.27	-18.05/-16.35	-14.46/-12.84	-11.39/-10.8	-10.87/-10.45	-9.57/-8.54	-7.57/-7.02	-6.78/-6.59	-6.38/-6.31	-6.25/-6.66	-7.39/-8.58	-10.43/-13.65	-18.49/-18.74
Θ (15°)	-18.09/-16.07	-13.09/-10.82	-8.91/-7.34	-6.45/-5.67	-4.98/-4.38	-4.07/-3.97	-4.05/-4.55	-5.02/-5.73	-6.6/-7.25	-7.89/-8.92	-9.85/-10.69	-10.99/-10.58	-10.54/-10.91	-11.41/-12.05	-12.72/-13.49	-13.92/-13.91	-12.84/-11.19	-10.71/-9.51	-8.99/-8.26	-7.71/-7.13	-6.84/-6.76	-7.26/-8.56	-10.81/-14.35	-18.97/-17.99
Θ (22.5°)	-16.3/-12.56	-11.16/-10.39	-8.92/-7.37	-6.44/-5.78	-4.98/-4.26	-3.8/-3.56	-3.61/-3.98	-4.54/-5.39	-6.06/-6.55	-7.02/-7.12	-7.34/-7.64	-7.5/-7.93	-8.51/-9.29	-10.21/-11.24	-12.07/-12.22	-12.82/-12.43	-11.81/-10.82	-10.09/-9.27	-8.81/-9.01	-10.04/-11.58	-13.76/-16.08	-18.44/-18.12		
Θ (30°)	-9.08/-7.28	-5.89/-5.28	-4.79/-4.09	-3.86/-4.19	-4.03/-3.55	-3.24/-2.96	-2.9/-3.23	-3.83/-4.42	-4.86/-5.1	-5.46/-5.73	-6.07/-6.37	-6.72/-7.09	-7.29/-7.29	-8.08/-9.21	-10.69/-12.58	-14.94/-15.73	-14.44/-13.22	-12.22/-11.94	-11.62/-10.58	-9.54/-9.16	-9.37/-10.27	-12.63/-17.2	-19.04/-16.32	-12.84/-10.78
Θ (37.5°)	-8.14/-6.72	-5.32/-4.3	-3.56/-2.58	-2.16/-2.51	-2.57/-2.67	-2.56/-2.48	-2.82/-3.48	-3.93/-3.83	-3.29/-2.67	-2.47/-2.57	-3.04/-3.76	-4.59/-5.38	-6.24/-7.49	-9.26/-11.85	-11.65/-10.63	-9.78/-10.08	-13.58/-18.81	-18.24/-17.97	-13.41/-12.14	-12.33/-12.53	-11.39/-12.71	-17.44/-17.8	-17.75/-14.31	-10.97/-9.14
Θ (45°)	-6.26/-5.49	-5.21/-4.96	-4.86/-4.5	-3.09/-2.4	-1.56/-1.14	-0.95/-1.12	-1.71/-2.19	-1.94/-0.98	-0.39/-0.27	-0.51/-1.15	-2.23/-2.99	-4.33/-5.1	-6.71/-6.59	-7.34/-6	-9.87/-11.88	-10.7/-11.44	-14.43/-12.03	-12.35/-12.78	-12.68/-12.59	-15.9/-16.63	-17.19/-17.69	-17.27/-12.68	-8.79/-6.87	
Θ (52.5°)	-4.19/-3.32	-2.82/-2.65	-2.92/-3.79	-4.35/-4.09	-2.14/-0.18	0.940.81	-0.19/-1.5	-1.56/-0.42	0.590.86	0.52/-0.36	-1.96/-3.76	-5.1/-5.83	-5.62/-5.78	-6.42/-6.75	-8.86/-11.63	-14.54/-11.5	-11.21/-11.78	-14.64/-18.23	-17.78/-18.35	-13.48/-14.02	-14.19/-15.01	-13.95/-12.26	-10.1/-8.64	-6.59/-4.95
Θ (60°)	-3.93/-3.34	-2.62/-1.91	-1.41/-2.21	-3.61/-4.32	-1.830.68	1.992.11	1.390.51	0.24/-0.26	0.280.66	0.39/-0.16	-1.49/-2.95	-3.99/-4.81	-5.71/-6.79	-7.55/-7.95	-9.04/-10.99	-12.84/-12.75	-10.05/-10.37	-11.31/-15.5	-12.68/-10.41	-11.95/-13.29	-14.98/-14.67	-11.18/-10.4	-8.62/-6.92	-5.52/-4.4
Θ (67.5°)	-5.48/-3.39	-2.40/-0.94	-1.07/-0.84	-2.6/-4.3	-1.891.55	3.283.47	2.711.31	0.530.66	1.332.13	2.31/-2.44	0.14/-1.31	-2.12/-2.79	-3.09/-4.32	-5.15/-6.26	-8.01/-8.8	-13.17/-15.86	-10.28/-12.81	-18.35/-15.26	-13.94/-14.86	-16.5/-13.23	-10.96/-9.71	-10.19/-9.48	-8.16/-5.67	
Θ (75°)	-6.72/-4.28	-2.59/-0.88	-0.32/-0.47	-2.39/-3.19	-1.161.49	3.213.71	3.212.19	0.850.74	1.772.78	3.22.75	1.49/-0.09	-1.78/-2.6	-3.21/-3.31	-3.83/-4.63	-6.47/-11.44	-15.77/-14.9	-16.67/-14.64	-14.71/-14.91	-15.93/-11.75	-10.15/-11.15	-14.73/-14.2	-10.78/-11.62	-10.4/-10.6	-8.87/-6.9
Θ (82.5°)	-6.88/-4.07	-2.67/-0.9	-0.55/-1.23	-3.29/-3.79	-1.221.14	2.553.16	3.272.25	0.840.66	1.520.34	2.642.16	1.250.03	-1.8/-3.06	-4.34/-4.31	-5.57/-6.12	-8.2/-8.73	-10.65/-13.23	-13.16/-17.87	-13.51/-19.8	-14.85/-18.67	-10.31/-11.29	-17.59/-15.55	-12.13/-12.77	-17.19/-14.64	-11.38/-14.71
Θ (90°)	-6.64/-4.68	-2.87/-2.15	-2.4/-2.95	-3.04/-1.51	0.672	2.562.86	2.852.87	1.970.9	0.480.67	0.890.87	0.950.11	-1.91/-4.22	-6.74/-62	-7.99/-8.09	-9.31/-9.77	-9.95/-10	-13.75/-19.31	-17.11/-18.76	-19.09/-18.6	-13.87/-13.56	-15.54/-16.73	-12.13/-16.88	-14.42/-11.02	-10.39/-8.69
Θ (97.5°)	-6.87/-6.51	-5.9/-5.69	-4.98/-4.18	-2.210.23	2.242.86	2.782.22	2.422.09	1.610.95	-0.21/-1.06	-1.19/-1.09	-0.78/-0.5	-1.92/-4.38	-7.5/-9.42	-11.57/-11.47	-10.8/-9.51	-10.02/-15.24	-15.64/-11.48	-13.26/-17.75	-18.7/-18.3	-19.17/-19.19	-19.05/-18.67	-14.55/-13.59	-14.64/-13.92	-11.06/-8.19
Θ (105°)	-8.62/-6.89	-7.09/-6.44	-6.15/-4.41	-1.810.16	1.421.48	0.820.43	1.342.4	2.371.54	0.16/-0.42	-0.85/-1.12	-0.49/-0.46	-1.12/-3.46	-6.03/-8.98	-11.15/-11.41	-10.19/-10.56	-13.49/-12.9	-17.65/-14.08	-12.01/-13.71	-15.14/-14.34	-16.79/-18.4	-13.11/-14.89	-18.4/-19	-19.27/-13.84	-12.49/-8.8
Θ (112.5°)	-8.37/-6.87	-8.06/-3.72	-2.10.98	-0.120.76	9.940.2	-1.9/-2.56	-0.171.66	2.271.31	0.08/-1.1	-2.22/-2.34	-2.19/-1.75	-1.81/-2.73	-4.41/-7.01	-10.21/-14.14	-15.42/-15.26	-14.73/-18.3	-13.27/-11.33	-17.47/-18.27	-18.18/-13.69	-15.81/-15.85	-12.97/-13.6	-15.72/-13.99	-11.36/-8.69	
Θ (120°)	-8.98/-6.49	-4.35/-2.67	-0.870.21	0.62/-0.06	-1.7/-4.81	-5.39/-2.94	-0.171.45	1.671.17	0.03/-0.77	-1.43/-2.46	-3.56/-4.01	-3.62/-4.25	-4.86/-7.29	-7.63/-8.35	-7.22/-8.97	-16.1/-17.8	-19.22/-19.04	-15.81/-18.32	-18.89/-18.82	-15.98/-19.02	-18.52/-16.22	-13.54/-12.44	-15.34/-16.51	-15.63/-11.72
Θ (127.5°)	-10.59/-7.86	-5.62/-3.97	-2.3/-1.35	-1.01/-1.97	-4.52/-8.97	-6.87/-1.68	0.290.79	0.760.39	0.25/-0.27	-1.15/-1.79	-2.83/-3.12	-3.94/-3.12	-3.55/-4.65	-4.94/-7.47	-9.29/-11.89	-14.41/-17.9	-19.11/-13.18	-15.93/-19.26	-18.48/-18.12	-13.66/-13.27	-12.22/-15.22	-15.13/-17.41	-15.42/-16.77	-13.41/-14.4
Θ (135°)	-8.21/-7.48	-7.16/-6.04	-5.08/-4.23	-4.25/-5.23	-8.04/-13.47	-10.92/-5.1	-1.84/-0.54	-0.090.1	-0.10.16	0.12/-0.52	-1.57/-3.06	-4.59/-5.18	-6.78/-9.31	-10.14/-11.39	-14.68/-14.99	-17.85/-13.91	-18.48/-16.06	-15.81/-18.85	-13.45/-17.96	-14.51/-16.66	-12.99/-15.41	-15.13/-13.47	-9.01/-8.85	
Θ (142.5°)	-12.88/-12.13	-11.67/-10.58	-9.99/-9.49	-9.49/-9.96	-4.24/-13.35	-10.21/-6.23	-3.99/-2.22	-1.84/-1.59	-1.99/-3.31	-4.71/-6.14	-7.49/-9.01	-12.06/-15.31	-16.78/-19.58	-18.31/-16.5	-15.19/-14.66	-14.46/-12.3	-10.04/-11.63	-16.19/-17.13	-17.24/-16.84	-13.61/-15.75	-19.54/-16.07	-11.24/-9.35	-9.02/-9.73	-10.7/-12.07
Θ (150°)	-13.12/-13.18	-12.95/-13.05	-13.23/-13.64	-13.82/-13.63	-13.58/-15	-15.13/-13.49	-10.75/-8.79	-7.65/-7.53	-7.62/-9.71	-8.72/-9.31	-9.08/-8.98	-9.09/-23.1	-11.03/-15.34	-18.24/-17.84	-17.73/-19.13	-17.93/-15.79	-15.83/-19.16	-16.45/-18.67	-18.22/-18.22	-18/-15.19	-16.91/-19.97	-18.12/-16.4	-14.04/-13.98	-13.1/-13.23
Θ (157.5°)	-12.18/-13.11	-13.81/-15.04	-16.96/-19.24	-17.94/-18.08	-18.47/-18.72	-17.81/-15.45	-13.32/-11.77	-10.81/-10	-9.18/-9.7	-6.77/-6.07	-6.43/-6.56	-7.17/-9.36	-12.22/-16.81	-16.66/-15.32	-14.58/-13.64	-13.42/-14.39	-16.21/-17.9	-18.35/-17.16	-17.23/-18.94	-19.01/-18.61	-18.53/-18.91	-15.64/-13.9	-12.52/-12.06	
Θ (165°)	-19.38/-18.44	-17.88/-19.15	-19.22/-18.27	-18.11/-18.18	-17.81/-18.51	-17.68/-18.87	-19.03/-17.92	-15.12/-13.07	-11.22/-9.73	-8.27/-7.08	-6.21/-5.9	-6.14/-6.86	-7.91/-8.78	-9.22/-10.31	-11.23/-13.19	-16.29/-18.06	-18.08/-18.91	-16.71/-18.33	-12.13/-11.38	-11.98/-13.55	-16.09/-19.23	-17.18/-18.57	-19.07/-18.84	-18.63/-17.54
Θ (172.5°)	-18.56/-17.86	-17.68/-17.91	-18.09/-19.09	-18.91/-19.21	-18.17/-17.32	-16.81/-15.73	-13.94/-12.28	-11.14/-10.37	-8.69/-9.34	-9.14/-8.85	-8.99/-9.23	-9.86/-10.64	-11.65/-12.91	-15.41/-18.82	-19.5/-18.5	-15.97/-14.32	-13.67/-13.5	-13.35/-13.31	-13.71/-14.26	-15.74/-17.68	-19.07/-17.36	-18.8/-18.31	-18.32/-18.28	-17.88/-17.51
Θ (180°)	-18.49/-17.51	-19.4/-18.95	-18.42/-18.6	-17.62/-18.31	-18.22/-18.76	-17.15/-17.2	-16.34/-15.27	-14.71/-14.85	-14.69/-15.17	-16.48/-17.63	-18.15/-18.2	-18.54/-18.23	-18.25/-18.58	-17.24/-17.66	-18.18/-19.06	-18.75/-18.33	-17.5/-19.06	-18.85/-18.29	-18.47/-18.49	-18.98/-18.34	-18.62/-18.2	-18.39/-19.05	-18.25/-18.54	-19.15/-18.51
Freq(Hz)	6.475GPol.	Phi/Ant. 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ (0°)	-8.54/-8.82	-9.15/-9.65	-10.04/-10.58	-11.89/-13.01	-14.24/-14.91	-16.02/-16.61	-17.90/-17.71	-15.98/-14.76	-13.59/-13.3	-11.23/-10.33	-9.15/-9.23	-8.9/-8.36	-8.13/-7.67	-7.24/-7.61	-8.81/-10.12	-11.64/-13.19	-14.49/-15.48	-16.59/-18.38	-18.12/-18.19	-15.96/-14.31	-12.81/-11.69	-10.92/-10.44	-9.78/-9.29	-8.73/-6.68
Θ (7.5°)	-6.26/-6.75	-7.26/-7.94	-8.44/-9.42	-11.18/-12.85	-15.11/-18.07	-18.71/-18.45	-17.46/-15.4	-13.96/-12.98	-11.86/-11.25	-10.76/-10.76	-10.73/-11.07	-12.03/-13.12	-13.69/-13.15	-11.99/-11.11	-10.71/-10.43	-11.65/-13.21	-14.5/-15.85	-16.87/-17.2	-17.29/-16.54	-14.83/-13.06	-11.71/-10.41	-9.46/-8.44	-7.64/-6.96	



Radiated Composite Gain Data <6GHz U-NII5~UNII-8>

Appendix B

Θ(15°)	-15.51-12.99	-10.79-9.69	-9.03-8.61	-8.07-7.47	-6.97-6.82	-7.19-7.89	-8.58-8.99	-9.41-9.77	-9.79-10.15	-10.71-11.26	-12-12.6	-13.28-13.6	-13.51-13.26	-13.05-13.4	-12.92-12.25	-11.51-11.59	-12-12-12.18	-13.14-14.67	-16.16-17.41	-17.29-17.41	-18.76-19.03	-18.28-18.07	-18.13-19.36	-18.51-18.65
Θ(22°)	-13.29-11.11	-9.26-7.72	-6.85-6.26	-5.66-5.13	-4.79-4.85	-5.34-5.87	-6.57-7.37	-8.27-8.46	-8.37-9.17	-7.92-8.7	-9.87-11.52	-12.77-13.44	-14.38-14.92	-15.83-13.78	-15.79-15.07	-13.36-12.74	-12.56-13.27	-14.82-18.47	-17.48-17.97	-17.71-17.66	-16.63-16.56	-18.06-18.59	-18.03-19.08	-18.72-15.24
Θ(30°)	-9.93-8.99	-7.92-6.86	-5.95-5.43	-4.91-4.06	-3.27-3.19	-3.64-4.53	-5.63-6.02	-5.16-4.12	-3.51-3.6	-4.03-4.66	-6.04-7.73	-13.01-10.01	-10.91-12.39	-13.26-15.78	-17.61-17.55	-13.07-12.48	-13.61-14.67	-18.11-18.26	-17.31-16.72	-18.59-19.09	-19.52-17.38	-14.66-11.2	-18.51-18.96	-14.61-11.2
Θ(37.5°)	-6.35-5.25	-4.21-3.95	-4.42-3.13	-5.04-4.23	-3.25-2.95	-3.52-4.67	-5.19-4.01	-2.21-1.06	-1-1.66	-2.65-4.04	-5.81-7.65	-9.06-9.12	-9-4/9.6	-9-12-9.77	-11.34-14.97	-17.91-13.74	-10.66-11.13	-13.91-18.38	-17.85-19.48	-14.63-13.79	-14.06-15.61	-17.39-16.42	-15.08-11.05	-8.94-7.37
Θ(45°)	-4.93-5.85	-4.44-3.39	-2.73-2.81	-2.86-2.53	-1.85-1.66	-2.24-3.59	-3.69-1.61	0.02-0.77	0.94-0.51	-4.05-1.92	-4.09-5.66	-6.86-7.31	-7.61-8.54	-8.96-8.62	-8.51-9.52	-14.15-17.67	-15.12-11.39	-11.41-14.43	-13.45-10.14	-11.34-14.47	-16.72-17.48	-17.86-18.37	-15.84-11.73	-9.24-7.17
Θ(52.5°)	-6.93-6.4	-6.51-5.97	-5.23-4.1	-2.97-1.55	-0.26-0.55	0.34-0.7	-0.76-0.12	1.04-1.18	1.41-1.35	0.53-1.03	-3.61-5.7	-5.99-5.43	-5.17-6.18	-7.65-8.65	-9.89-10.7	-13.26-18.31	-16.35-10.77	-11.95-15.73	-14.51-12.57	-11.94-13.05	-14.74-19.15	-16.02-18.87	-14.85-13.94	-10.09-7.71
Θ(60°)	-6.25-4.22	-3.44-3.43	-4.59-5.66	-4.34-1.53	0.92-0.15	2.28-1.28	0.81-0.99	1.05-1.03	1.14-1.35	1.22-0.23	-1.13-2.57	-3.69-4.29	-5.37-6.75	-8.42-9.03	-9.98-11.01	-13.63-17.66	-18.48-14.54	-11.78-15.76	-17.97-15.91	-12.16-12.42	-17.15-17.45	-17.12-12.47	-11.78-10.17	-9.54-7.17
Θ(67.5°)	-5.97-3.88	-2.21-1.15	-1.53-2.98	-4.17-2.22	0.49-0.19	2.72-0.24	1.82-0.76	0.21-0.68	1.73-0.16	2.01-0.78	-0.87-2.65	-3.91-5.14	-6.61-6.83	-7.33-6.63	-8.67-12.01	-18.83-16.93	-18.91-17.66	-13.09-16.74	-16.96-11.6	-11.87-16.51	-18.53-17.82	-16.94-17.62	-14.66-11.2	-8.61-6.72
Θ(75°)	-5.06-3.39	-2.29-1.95	-1.63-2.25	-3.04-2.69	0.02-0.2	2.69-0.96	2.83-1.95	0.49-1.12	2.62-9.1	2.68-1.32	-0.95-3.45	-4.91-5.64	-6.98-9.16	-10.74-9.03	-7.59-8.4	-10.89-15.3	-17.86-16.67	-15.55-19.25	-16.67-18.5	-16.48-11.7	-14.46-18.34	-12.78-11.99	-12.71-10.29	-9-11-6.13
Θ(82.5°)	-3.89-2.61	-1.94-1.97	-2.61-4.1	-4.21-2.08	0.07-1.56	2.43-0.26	3.45-0.87	2.25-0.59	3.63-3.28	2.88-1.79	-0.26-2.46	4.23-4.1	4.25-4.85	-6.69-10.59	-11.37-12.49	-12.56-15.21	-19-16.04	-18.52-17.6	-17.76-15.74	-17.21-12.55	-14.38-16.06	-14.98-15.34	-10.88-10.9	-6.94-5.21
Θ(90°)	-3.83-6.62	-6.19-6	-5.43-5.28	-3.95-1.15	0.17-0.66	0.43-0.05	3.35-0.18	2.05-0.83	2.71-2.45	2.13-0.19	1.70-0.9	-2-3.27	-3.99-3.26	-4.19-7.96	-9.31-15.14	-9.01-9.5	-18.04-11.94	-11.87-17.96	-17.85-16.83	-15.81-15.69	-14.48-17.5	-16.17-18.87	-15.47-14.7	-12.94-8.57
Θ(97.5°)	-14.35-12.25	-10-6.9	-4.78-3.01	-1.29-0.24	0.44-0.25	-0.59-1.17	3.02-0.45	2.15-0.91	1.99-0.32	2.28-0.26	1.71-0.64	-1.74-3.58	-5.44-9.51	-6.67-8.88	-8.19-10.59	-10.54-10.52	-15.63-16.71	-9.17-15.29	-17.99-14.76	-17.91-18.4	-19.1-17.52	-19.13-19.22	-19.15-14.07	
Θ(105°)	-16.04-11.9	-7.03-4.67	-2.21-0.78	0.41-0.9	0.18-1.98	-2.19-0.28	2.34-0.11	1.69-0.57	0.46-0.85	0.44-0.24	0.19-0.06	-1.27-3.47	-5.72-7.11	-8.12-7.32	-7.69-7.41	-9.21-15.79	-16.21-14.19	-12.05-13.69	-18.47-14.18	-12.36-14.51	-15.69-17.98	-19.35-17.84	-18.81-18.63	-18.62-18.5
Θ(112.5°)	-9.25-7.37	-4.88-3.49	-2.04-1.15	-1.42-2.67	-3.03-3.36	-2.65-1.03	0.81-0.15	1.25-0.07	-0.27-0.35	-0.69-1.86	-2.03-1.53	-1.91-3.7	-5.2-8.05	-10.22-10.25	-12.76-12.51	-18.42-12.96	-14.67-17.49	-18.06-19.06	-15.96-17.63	-18.63-16.54	-17.35-19.1	-17.67-12.28	-11.65-9.39	
Θ(120°)	-9.93-6.94	-4.98-2.83	-1.73-1.76	-3.17-6.07	-7.54-4.86	-2.88-2.36	-0.86-0.09	-0.43-0.05	-1.44-2.23	-3.98-5.87	-5.16-4.26	-3.33-4.37	-5.18-7.68	-7.77-10.2	-11.38-11.65	-16.62-17.92	-15.72-12.78	-13.72-17.29	-18.11-19.03	-11.86-12.52	-12.98-19.35	-18.84-15.47	-16.57-14.95	-13.16-10.57
Θ(127.5°)	-9.26-8.83	-7.87-6.33	-5.19-4.37	-5-4-7.47	-8-6-27	-4-45-3.47	-3-57-2.11	-1-29-0.79	-0.58-1.44	-3-82-7.4	-8-56-7.22	-5-51-6.55	-5-65-8.48	-7-07-9.18	-8-93-10.31	-18-59-16.5	-11-73-15.28	-15-91-17.98	-18-23-18.77	-13-56-15.05	-11-37-18.39	-17-13-16.87	-16-88-11.59	-10-13-9.83
Θ(135°)	-12.29-13.76	-13.52-14.61	-12.61-10.85	-8.74-8.61	-10.45-12.12	-8.18-4.16	-2-23-1.8	-0.93-0.26	-0.26-1.07	-3-21-5.78	-9.08-10.61	-10.51-9.3	-7.94-8.07	-5.81-6.8	-8.96-12.59	-17.91-18.77	-11.68-13.47	-12.16-19.24	-18.19-15.8	-18.61-18.38	-19.14-19.8	-13.15-13.28	-12.46-14.7	-12.11-10.9
Θ(142.5°)	-18.41-18.63	-18.41-17.76	-14.44-11.65	-10.13-9.98	-12.75-15.64	-9.39-5.28	-3.15-2.53	-2.73-0.61	-2.95-3.45	-4.03-10.55	-13.76-14.26	-14.17-14.15	-13.03-13.44	-12.14-12.78	-11.38-12.79	-18.92-16.82	-18.21-19.28	-17.05-15.83	-19.33-18.41	-18.1-18.96	-15.41-14.96	-18.64-18.8	-18.21-17.56	
Θ(150°)	-16.78-16.28	-14.46-13.59	-13.41-14.16	-16.44-19.36	-18.03-18.29	-11.29-7.14	-5.22-4.71	-5.34-6.05	-6.29-6.7	-7.24-7.74	-9.22-11.85	-15.17-19.56	-18.37-17.51	-18.3-17.85	-14.16-12.44	-14.69-17.69	-18.25-19.06	-19.18-18.38	-18-4-18.34	-18.7-16.71	-18.52-18.41	-17.96-19.29	-18.89-18.98	-18.12-17.46
Θ(157.5°)	-12.24-11.82	-11.55-11.64	-12.1-14.55	-18.62-17.65	-18.22-18.99	-13.66-10.52	-9.33-9.61	-10.92-12.26	-13.25-14.02	-15.66-17.18	-16.37-16.13	-16.09-14.22	-12.28-11.57	-12.3-14.7	-17.73-16.77	-14.43-14.04	-16.64-17.58	-15.51-14.43	-13.34-14.32	-16.91-17.52	-14.81-13.02	-12.78-12.78	-12.71-13.39	-13.93-13
Θ(165°)	-19.03-17.69	-18.49-17.4	-19.14-18.41	-18.33-18.29	-18.56-18.46	-17.77-17.37	-18.49-16.71	-14.57-13	-11.84-10.94	-10.02-9.8	-9-7-9.84	-10.24-11.7	-13.53-15.68	-17.87-17.35	-18.61-18.58	-18.44-17.65	-19.34-18.58	-17.81-14.22	-13.1-12.92	-13.74-14.4	-15.68-18.57	-18.96-18.25	-17.48-17.59	-18.01-18.69
Θ(172.5°)	-18.61-18.86	-17.87-19.43	-17.73-19.22	-18.87-19.16	-18.15-18.67	-18.37-17.26	-15.17-13.02	-11.62-10.73	-10.21-9.88	-9.67-9.61	-10.01-11.09	-12.41-13.84	-15.08-16.45	-18.53-17.69	-17.92-18.45	-18.25-18.55	-17.55-17.43	-14.52-13.73	-13.55-13.4	-13.91-15.37	-16.52-15.82	-15.55-16.74	-17.99-16.59	
Θ(180°)	-18.95-19.66	-18.95-19.02	-18.86-18.09	-17.49-18.56	-18.45-18.71	-19.08-16.55	-14.64-13.66	-12.83-12.29	-11.96-11.71	-11.62-11.61	-11.73-11.44	-11.62-12.47	-13.47-14.43	-14.81-15.84	-16.91-18.82	-18.98-18.86	-18.84-18.01	-18.74-18.15	-17.86-18.81	-18.06-18.11	-18.47-19.1	-17.24-19.16	-18.28-18.39	-18.64-18.37
Freq[Hz]	6.995GHz	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°)	-13.24-12.87	-11.59-11.11	-10.97-11.03	-11.04-10.76	-10.81-11.4	-11.99-12.32	-12.91-13.32	-14.06-14.72	-14.44-14.25	-14.23-14.45	-13.98-13.13	-12.74-17.17	-10.88-10.35	-10.25-15.99	-11.25-13.13	-14.05-13.82	-13.07-12.32	-11.67-10.7	-10.91-11.9	-11.16-12.47	-13.11-14.13	-14.79-14.56	-14.73-14.64	-14.48-14.21
Θ(7.5°)	-11.95-11.55	-10.94-10.91	-11.65-12.06	-12.98-12.82	-13.61-14.32	-14.39-14.18	-13.56-13.11	-13.06-12.91	-13.13-13.44	-14.17-17.08	-13.57-16.65	-15.61-13.97	-16.17-10.83	-10.46-10.5	-11.38-12.27	-11.07-10.11	-13.76-15.13	-15.81-16.67	-16.63-16.48	-15.41-14.36	-13.01-12.94	-12.97-12.26		
Θ(15°)	-11.28-11.82	-12.38-13.05	-14.01-14.82	-15.22-16.58	-18.78-17.47	-16.39-14.83	-13.49-12.53	-12.02-12.4	-13.36-14.93	-18.38-17.76	-18.05-19.08	-16.48-13.55	-12.11-11.61	-12.19-13.84	-14.71-12.26	-9.24-7.93	-8.05-8.84	-9.37-10.19	-11.96-14.11	-16.71-18.38	-18.99-18.97	-18.84-18.59	-17.68-15.26	-13.66-11.64
Θ(22.5°)	-9.29-9.78	-10.38-10.82	-10.88-12.62	-13.76-14.73	-19.12-17.59	-19.15-15.83	-14.38-14.02	-14.95-16.08	-17.35-17.24	-18.31-15.63	-13.71-12.5	-11.32-10.81	-10.91-11.64	-13.56-16.34	-16.06-14.39	-11.99-10.42	-9.52-5.58	-8.66-10.42	-13.36-15.4	-16.77-14.49	-13.52-13.09	-12.44-11.97	-11.04-10.17	-9.98-9.21
Θ(30°)	-12.63-13.35	-12.91-13.05	-12.41-12.64	-13.47-15.01	-18.22-18.08	-18.36-18.83	-16.84-15.91	-17.59-18.47	-18.77-17.17	-14.96-14.23	-15.11-16.74	-18.29-18.4	-16.48-19.06	-17.45-16.74	-16.56-17.69	-19.08-18.13	-17.08-12.32	-10.71-11.79	-14.42-14.74	-12.15-11.1	-10.73-11.26	-10.82-10.06	-9.19-8.77	-9.57-10.99
Θ(37.5°)	-13.11-15.79	-16.84-16.29	-14.37-13.05	-13.53-15.72	-18.51-18.78	-18.78-19.14	-19.03-18.95	-17.69-19.32	-17.31-18.06	-18.51-18.43	-19.01-19.16	-18.56-18.71	-19.02-18.89	-18.52-17.63	-18.52-19.45	-17.91-17.95	-16.82-14.01	-15.01-17.53	-17.28-14.56	-12.18-11.24	-12.14-12.62	-12.14-11.39	-10.52-10.26	-10.55-11.48
Θ(45°)	-18.45-18.52	-18.46-15.76	-12.32-10.86	-11.12-12.89	-15.54-18.27	-19.04-18.68	-19.04-17.54	-18-18.78	-18.59-18.7	-18.51-18.49	-18.91-13.65	-16.08-14.2	-13.31-14.14	-15.24-16.27	-16.61-14.94	-15.74-18.44	-18.47-17.63	-17.61-14.71	-19.05-17.97	-11.34-9.91	-9.79-10.32	-10.69-10.73	-10.69-12.02	-13.61-15.5
Θ(52.5°)	-18.93-18.42	-18.29-18.55	-17.24-13.1	-10.69-9.52	-10.31-13.8	-18.79-18.82	-19.06-16.93	-16.35-17.6	-19.34-18.67	-17.94-17.59	-17.36-17.76	-17.78-17.69	-18.74-17.95	-18.88-18.6	-18.53-17.74	-18.79-18.38	-19.02-18.36	-16.34-15.29	-18.86-14.72	-13.53-13				



Radiated Composite Gain Data <6GHz U-NII5~UNII-8>

Appendix B

Θ(60°)	-0.98/-1.38	-1.24/-2.25	-4.03/-5.34	-5.3/-7.81	-17.97/-19.73	-19/-17.77	-18.64/-17.9	-18.35/-19.24	-18.18/-17.9	-17.95/-18.81	-18.3/-16.93	-18.44/-17.98	-11.9/-9.2	-11.64/-11.89	-12.09/-12.35	-10.63/-8.09	-5.83/-3.93	-2.49/-1.61	-0.88/-0.71	0.76/0.13	0.12/1.51	1.93/2.99	3.65/2.82	0.43/-0.23
Θ(67.5°)	-0.64/-1.41	-0.73/-2.18	-2.92/-5.14	-7.25/-10.78	-14.92/-10.74	-8.48/-10.62	-15.67/-18.42	-16.11/-14.72	-17.7/-18.61	-16.5/-14.22	-15/-14.12	-17.72/-18.29	-7.54/-8.12	-15.64/-12.98	-13.43/-9.31	-5.41/-7.1	-3.44/-0.82	1.17/0.8	0.66/-2.21	3.68/3.83	2.53/2.44	1.24/2.35	3.44/3.13	0.33/0.44
Θ(75°)	0.57/-2.23	0.09/-3.27	-2.92/-3.14	-6.51/-8.43	-9.65/-7.53	-8.86/-13.21	-18.59/-18.11	-14.22/-14.21	-19.04/-18.13	-16.33/-14.57	-17.93/-13.61	-15.46/-17.1	-10.73/-7.85	-14.08/-14.93	-12.23/-6.65	-7.32/-4.72	-1.16/-0.62	1.39/1.11	1.25/3.29	4.62/4.66	4.65/3.73	1.48/1.5	3.17/4.03	0.15/-5.18
Θ(82.5°)	1.55/-2.4	0.21/-5.81	-2.55/-2.52	-7.32/-10.2	-7.54/-6.86	-15.11/-18.69	-14.02/-12.59	-19.12/-16.62	-14.38/-18.09	-18.11/-12.33	-18.71/-14.63	-14.72/-18.84	-9.2/-11.09	-16.3/-15.79	-10.23/-5.51	-3.65/-3.02	-0.06/-1.21	0.54/1.51	0.94/3.04	3.66/4.52	4.56/3.86	2.12/2.02	2.89/4.66	0.57/0.05
Θ(90°)	1.41/-2.85	-0.8/-5.9	-2.59/-3.69	-10.11/-12.82	-6.5/-6.85	-18.7/-14.09	-12.79/-12.44	-18.56/-17.1	-16.77/-19.13	-19.03/-12.56	-14.21/-14.15	-12.26/-13.3	-8.95/-11.21	-13.79/-16.73	-10.37/-5.4	-3.22/-3.64	-1.81/-2.5	0.63/1.34	-1.16/0.52	2.72/2.97	3.44/2.43	1.79/3.22	3.54/4.08	0.68/0.6
Θ(97.5°)	0.32/-2.18	-3.46/-4.44	-2.41/-5.18	-13.41/-11.35	-4.5/-7.43	-16.23/-9.96	-13.42/-13.87	-15.09/-13.58	-18.75/-14.36	-11.96/-12.17	-18.63/-15.85	-10.07/-15.98	-10.84/-7.52	-10.17/-7.71	-14.05/-5.3	-2.02/-4.6	-2.3/-0.77	3.34/44	2.27/1.35	3.34/44	2.27/1.35	14/12	3.77/2.63	1.50/9.7
Θ(105°)	-0.13/-2.47	-3.88/-3.32	-4.91/-3.75	-7.36/-12.95	-5.85/-4.57	-8.82/-17.34	-15.57/-18.08	-15.76/-11.92	-17.31/-15.74	-9.73/-14.57	-18.71/-17.89	-6.45/-10.46	-11.8/-6.2	-4.39/-7.02	-11.05/-4.8	-3.38/0.95	-6.77/-4.27	3.57/-0.67	-5.66/-2.21	4.37/4.63	3.42/0.83	-2.21/2.85	3.79/0.93	0.52/-0.6
Θ(112.5°)	-3.62/-5.04	-7.7/-4.5	-7.87/-6.45	-5.11/-9.49	-16.2/-9.38	-9.05/-11.48	-14.81/-17.91	-15.25/-10.15	-16.45/-15.83	-12.74/-16.66	-17.66/-11.99	-11.78/-9.66	-11.79/-10.69	-8.86/-17.51	-3.19/-3.48	-0.73/0.99	-18.46/-1.12	3.89/-3.98	-5.85/-0.79	4.54/2.06	2.9/-0.92	-3.08/3.69	2.72/-0.56	-0.99/-3.04
Θ(120°)	-5.99/-2.26	-7.83/-5.07	-7.61/-9.43	-5.77/-6.81	-10.56/-17.58	-11.16/-8.13	-11.43/-12.26	-14.71/-12.06	-8.96/-11.6	-13.88/-18.38	-17.88/-15.44	-11.19/-9.4	-18.41/-16.14	-8.66/-18.55	-2.18/-9.15	-3.52/-0.02	-5.99/-1.04	4.62/-1.59	-4.29/-0.24	2.77/1.35	1.49/-7.66	-3.81/1.64	1.94/-3.39	-1.8/-2.03
Θ(127.5°)	-8.45/-3.62	-5.84/-6.98	-6.39/-9.86	-7.77/-9.07	-10.26/-12.22	-13.12/-11.24	-9.92/-11.27	-11.92/-13.25	-13.95/-13.51	-11.98/-12.54	-17.83/-14.96	-10.3/-18.76	-13.12/-12.83	-12.47/-10.09	-6.42/-15.83	-2.99/-2.22	-10.43/-0.44	3.97/-0.76	-6.07/-2.35	-1.11/44	-2.55/-7.26	-10.44/-3.84	-1.26/-4.4	-4.32/-2.46
Θ(135°)	-8.62/-8.03	-7.05/-10.2	-9.92/-9.81	-12.09/-15.15	-16.41/-15.65	-18.37/-15.8	-13.96/-16.1	-17.14/-18.35	-17.94/-18.98	-18.21/-13.4	-16.07/-12.37	-13.08/-12.25	-17.31/-11.26	-17.09/-15.41	-6.28/-8.27	-18.89/-3.87	0.21/-3.7	-7.7/-7.82	-8.87/-4.46	-5.06/-10.31	-6.5/-4.7	-2.87/-4.52	-6.15/-5.35	
Θ(142.5°)	-8.6/-8.61	-8.21/-7.7	-8.29/-8.65	-10.34/-14.68	-18.89/-18.84	-17.96/-19.03	-16.64/-19.04	-19.01/-18.76	-19.13/-18.76	-17.97/-18.45	-15.82/-13.57	-14.73/-13.19	-13.77/-13.12	-10.49/-10.76	-13.11/-11.95	-13.29/-15.28	-13.26/-16.71	-5.91/-15.36	-17.56/-10.38	-9.53/-10.49	-7.33/-14.36	-5.66/-6.03	-5.66/-4.04	-5.86/-7.15
Θ(150°)	-9.24/-8.76	-8.89/-9.83	-10.79/-10.48	-9.9/-9.53	-9.45/-10.81	-12.21/-13.58	-15.85/-18.94	-17.84/-18.91	-19.16/-18.89	-16.45/-17.57	-16.94/-14.17	-14.33/-15.97	-17.29/-17.53	-16.45/-15.51	-17.29/-17.66	-19.11/-17.91	-10.9/-8.94	-14.72/-16.88	-17.62/-19.02	-15.16/-16.52	-11.25/-12.79	-8.87/-5.84	-6.71/-8.54	-9.74/-10.42
Θ(157.5°)	-10.96/-10.5	-8.77/-7.1	-6.4/-6.91	-8.64/-12.13	-15.13/-18.16	-18.17/-19.04	-17.8/-18.86	-18.91/-18.69	-18.8/-18.27	-17.2/-17.35	-18.64/-18.21	-18.34/-19.29	-19.08/-18.41	-16.51/-15.27	-16.57/-15.81	-14.01/-11.79	-10.63/-10.83	-12.08/-13.93	-15.66/-16.79	-17.03/-17.07	-13.4/-10.67	-9.35/-8.42	-8.41/-11.15	-13.5/-13.71
Θ(165°)	-11.37/-10.01	-10.63/-11.31	-12.31/-12.68	-12.53/-13.42	-14.96/-17.23	-18.96/-17.96	-18.45/-18.36	-17.68/-15.81	-18.38/-18.84	-18.41/-18.46	-17.84/-17.64	-17.87/-18.69	-15.65/-16.16	-17.37/-14.82	-11.7/-9.47	-0.9/-10.2	-14.09/-18.18	-18.72/-19.05	-17.19/-18.32	-16.33/-15.99	-17.3/-14.86	-14.88/-14.34	-14.74/-15.38	-14.11/-12.09
Θ(172.5°)	-19.05/-18.47	-18.15/-15.42	-13.77/-14.19	-14.9/-16.66	-18.2/-17.91	-18.95/-18.27	-18.97/-18.26	-18.05/-19.15	-17.43/-17.99	-17.89/-17.7	-17.26/-18.64	-18.13/-18.57	-17.74/-18.9	-18.51/-16.87	-15.33/-14.77	-15.42/-16.48	-17.44/-16.8	-16.22/-16.32	-17.33/-17.31	-15.56/-14.62	-14.37/-15.14	-16.8/-16.99	-15/-16.04	-15.54/-18.59
Θ(180°)	-19.21/-18.27	-19.05/-19.02	-19.35/-17.59	-19.3/-18.09	-18.12/-18.61	-17.78/-19.26	-18.21/-17.68	-18.65/-18.13	-17.27/-18.38	-17.83/-18.85	-18.11/-18.62	-18.36/-18.69	-17.73/-17.05	-16.75/-15.97	-16.24/-16.6	-16.75/-16.39	-16.88/-17.51	-19.17/-18.14	-18.45/-18.8	-18.83/-18.69	-19.13/-18.02	-18.98/-18.49	-18.88/-18.86	-18.7/-18.32
Freq(Hz)	6.475GPol.	PhiAnt. 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°)	-17.78/-17.82	-17.81/-18.03	-17.88/-17.58	-19.1/-18.36	-18.95/-17.73	-17.55/-17.81	-18.37/-18.68	-18.32/-18.1	-17.96/-18.27	-17.25/-18.6	-18.37/-18.48	-18.63/-18.74	-17.3/-18.27	-18.79/-17.47	-18.28/-19.16	-17.77/-18.85	-18.12/-18.88	-18.35/-19.45	-18.56/-17.85	-18.31/-18.86	-18.88/-18.41	-18.76/-18.39	-18.72/-18.29	-18.33/-18.3
Θ(7.5°)	-17.81/-18.16	-18.42/-18.57	-18.46/-17.61	-18.06/-17.2	-16.88/-16.12	-15.85/-15.68	-18.22/-17.82	-18.67/-18.51	-18.88/-17.78	-18.93/-18.41	-18.29/-18.52	-18.78/-19.34	-18.18/-18.95	-18.47/-18.04	-17.95/-18.42	-18.17/-17.2	-17.97/-18.88	-19.29/-18.67	-17.65/-17.16	-18.44/-18.8	-18.88/-18.43	-18.51/-18.52	-18.11/-18.86	-17.36/-17.52
Θ(15°)	-19.01/-17.13	-19.05/-18.66	-17.75/-18.46	-17.47/-19.27	-18.67/-17.9	-18.04/-17.62	-19.07/-18.35	-19.13/-18.84	-18.08/-19.59	-18.55/-18.56	-18.56/-18.64	-18.11/-19.24	-18.3/-18.69	-18.74/-19.06	-18.95/-17.71	-18.57/-18.42	-18.09/-19.26	-18.39/-18.75	-18.86/-17.75	-17.45/-17.95	-18.22/-17.93	-18.47/-18.27	-17.65/-19.01	-18.51/-17.78
Θ(22.5°)	-17.83/-18.62	-18.65/-17.15	-14.79/-13.99	-16.45/-18.22	-18.82/-17.3	-18.51/-17.35	-17.51/-17.38	-17.2/-18.64	-19.1/-19.29	-19.3/-18.4	-18.73/-18.11	-17.43/-17.76	-18.16/-18.71	-18.16/-18.23	-18.44/-18.01	-18.64/-19.02	-18.38/-18.03	-17.95/-15.41	-14.32/-13.02	-14.02/-15.75	-17.56/-18.65	-18.89/-16.67	-18.38/-19.67	-17.46/-17.84
Θ(30°)	-18.51/-17.98	-19.02/-17.77	-17.7/-18.49	-19.09/-17.41	-18.63/-17.73	-18.08/-18.13	-18.74/-17.7	-17.09/-17.35	-17.82/-18.05	-18.07/-18.01	-18.76/-18.42	-19.05/-19.09	-18.27/-17.93	-18.3/-18.4	-19.37/-18.64	-16.72/-15.08	-13.33/-13.18	-13.84/-14.29	-13.07/-13.92	-13.7/-15.98	-18.28/-17.62	-16.99/-17.14	-16.18/-15.67	-18.38/-17.93
Θ(37.5°)	-18.4/-18.7	-18.62/-17.66	-18.3/-18.18	-19.03/-18.63	-18.62/-17.02	-18.61/-19.15	-17.68/-17.48	-18.69/-19.01	-19.33/-18.51	-19.67/-19.01	-18.6/-18.17	-18.71/-18.74	-17.97/-18.61	-17.61/-15.83	-14.71/-13.1	-12.93/-13.87	-14.46/-13.94	-11.75/-11.14	-11.28/-11.84	-12.09/-11.38	-12.01/-12.83	-13.27/-14.58	-15.95/-13.38	-13.07/-14.34
Θ(45°)	-16.36/-17.01	-14.7/-16.65	-17.76/-16.57	-18.63/-18.65	-14.05/-12.21	-14.75/-14.54	-17.69/-17.61	-18.32/-18.97	-18.14/-18.36	-18.5/-18.26	-18.03/-18.31	-19.21/-17.94	-19.29/-17.57	-15.74/-11.83	-10.1/-13.94	-18.07/-17.24	-14.99/-14.01	-13.3/-14.18	-15.94/-17.27	-15.17/-14.47	-13.25/-13.81	-14.03/-11.88	-11.08/-10.49	-11.39/-16.19
Θ(52.5°)	-14.77/-15.96	-18.81/-18.95	-16.28/-14.64	-14.06/-12.57	-14.42/-17.16	-16.87/-15.21	-17.79/-18.12	-16.97/-18.55	-18.49/-18.2	-18.87/-16.37	-18.47/-17.59	-18.37/-19.28	-17.43/-19.15	-18.51/-18.13	-18.94/-16.77	-17.65/-14.79	-11.42/-12.46	-12.96/-12.17	-11.54/-10.5	-9.96/-9.81	-8.96/-10.54	-12.38/-16.31	-15.39/-18.53	
Θ(60°)	-14.88/-14.19	-17.23/-14.37	-17.92/-17.08	-12.83/-17.12	-17.86/-17.94	-17.88/-15.48	-13.68/-15.2	-17.33/-16.76	-18.85/-17.28	-18.73/-18.95	-18.79/-18.12	-18.93/-17.8	-15.59/-13.52	-19.28/-18.13	-18.79/-16.26	-17.58/-13.24	-13.66/-16.76	-11.5/-10.94	-11.61/-11.11	-9.37/-9.59	-9.67/-12.57	-14.46/-16.24	-13.29/-12.47	-12.92/-16.3
Θ(67.5°)	-18.48/-14.39	-18.64/-17.61	-17.97/-18.42	-15.57/-15.71	-17.77/-18.94	-17.48/-16.19	-15.91/-13.53	-16/-15.04	-17.22/-18.56	-18.23/-18.58	-18.69/-18.36	-17.6/-19.23	-16.73/-13.63	-19.37/-16.21	-17.52/-15.55	-13.2/-14.66	-13.44/-14.25	-14.68/-14.71	-13.95/-10.52	-8.82/-10.47	-11.05/-12.92	-12.31/-12.1	-11.97/-11.74	-15.02/-11.96
Θ(75°)	-18.47/-15.27	-15.79/-14.26	-18.56/-14.46	-16.55/-17.63	-16.24/-18.2	-17.75/-18.9	-18.03/-18.99	-19.07/-19.01	-17.6/-18.18	-18.65/-18.71	-18.55/-17.39	-18.46/-18.96	-18.45/-17.73	-16.49/-18.17	-13.91/-15.7	-17.6/-15.33	-15.01/-12.86	-11.17/-10.67	-18.17/-10.79	-8.4/-8.07	-10.49/-12.95	-13.2/-13.99	-12.59/-11.24	-13.62/-18.99
Θ(82.5°)	-19.65/-17.46	-18.34/-15.41	-16.08/-16.2	-16.6/-16.51	-15.55/-18.58	-17.62/-17.74	-18.27/-17.67	-18.02/-19.14	-18.14/-18.75	-18.06/-17.28	-18.02/-19.34	-18.8/-18.27	-18.2/-19.03	-18.59/-18.51	-18.4/-17.37	-18.35/-16.51	-15.45/-19.16	-14.23/-13.91	-18.75/-12.99	-9.56/-7.95	-9.76/-12.07	-11.96/-11.69	-14.68/-12.37	-15.79/-18.74
Θ(90°)	-14.71/-17.37	-18.6/-17.8	-18.21/-16.66	-18.26/-18	-17.95/-17.38	-18.37/-19.2	-15.42/-17.98	-18.42/-19.07	-18.42/-18.93	-18.74/-18.31	-18.96/-18.44	-17.35/-19.07	-18.6/-18.75	-18.36/-18.18	-18.39/-16.26	-13.57/-18.93	-18.43/-17.69	-17.29/-13.55	-11.93/-9.99	-9.6/-10.87	-8.59/-12.48	-17.9/-15.07	-18.36/-16.74	-16.28/-17.79
Θ(97.5°)	-17.92/-16.05	-18.46/-19.14	-19.14/-16.32	-18.64/-19.51	-18.21/-19.08	-18.24/-18.88	-18.67/-17.25	-17.67/-19.03	-17.67/-19.38	-17.99/-18.39	-18.69/-18.													



Radiated Composite Gain Data <6GHz U-NII5~UNII-8>

Appendix B

Θ(112.5°)	-0.53/-5.19	-1.94/-4.99	-4.39/-5.99	-15.66/-8.05	-8.21/-17.74	-15.11/-13.26	-18.43/-17.84	-18.71/-17.6	-14.88/-17.88	-16.58/-12.41	-13.06/-18.31	-16.33/-13.05	-14.64/-4.26	-6.4/-19.11	-8.01/-3.97	-7.51/-2.11	-5.74/-6.07	1.320/78	-8.26/-2.85	3.313/09	0.64/-2.92	0.74/-82	2.36/-0.65	0.16/-4.27
Θ(120°)	-1.11/-4.89	-4.61/-4.3	-7.13/-5.47	-8.53/-14.29	-10.02/-7.86	-15.96/-13.97	-19.16/-18.52	-19.51/-18.3	-19.35/-18.63	-13.84/-15.45	-16.39/-17.6	-17.6/-17.62	-11.89/-10.7	-12.98/-19.44	-5.65/-1.26	-14.7/-0.03	-1.55/-6.42	3.64/-12	-3.83/-3.27	2.81/-11	-0.86/-4.91	-2.72/-3.65	2.53/-2.26	0.61/-4.88
Θ(127.5°)	-3.77/-3.7	-6.73/-3.34	-6.14/-7.26	-8.26/-12.68	-8.06/-9.51	-12.01/-11.8	-18.61/-18.57	-17.92/-18.53	-12.82/-10.26	-16.81/-18.54	-19.09/-15.7	-16.61/-17.81	-17.65/-14.93	-17.04/-17.48	-9.02/-18.4	-5.74/-1.46	-5.37/-4.28	3.08/-145	-4.31/-19.9	-1.92/-1.71	-2.04/-10.74	-2.790/33	-0.82/-4.19	-1.78/-2.74
Θ(135°)	-5.58/-8.3	-9.72/-8.58	-6.26/-8.31	-11.17/-11.21	-11.24/-10.17	-9.13/-9.68	-11.31/-18.19	-19.12/-11.95	-12.97/-16.73	-18.71/-19.19	-17.92/-18.92	-19.27/-16.87	-11.89/-8.85	-10.27/-13.5	-8.37/-12.58	-7.54/-9.07	-16.57/-3.82	0.82/-126	-4.67/-9.94	-5.11/-3.55	-5.79/-6.33	-5.98/-3.06	-3.91/-6.35	-5.16/-5.33
Θ(142.5°)	-8.18/-9.79	-10.47/-11.23	-11.31/-10.31	-10.12/-10.86	-11.19/-15.57	-17.17/-15.66	-15.43/-13.7	-13.18/-16.52	-19.43/-13.25	-14.03/-16.17	-17.99/-18.2	-14.26/-13.7	-13.76/-15.9	-14.59/-12.84	-14.81/-17.56	-17.04/-17.94	-11.73/-4.54	-5.74/-6.05	-11.12/-14.55	-5.77/-4.8	-10.21/-5.64	-5.68/-3.32	-3.01/-5.88	-9.07/-8.07
Θ(150°)	-10.45/-10.95	-11.91/-11.26	-10.49/-10.79	-9.54/-10.34	-14.31/-16	-15.45/-18.73	-18.34/-15.9	-13.08/-16.34	-19/-18.83	-18.84/-17.54	-17.94/-15.96	-17.07/-17.42	-13.78/-15.18	-15.08/-13.13	-12.44/-17.12	-12.32/-9.29	-9.29/-6.83	-10.13/-18.84	-16.23/-10.04	-10.17/-17.34	-5.75/-5.69	-5.87/-8.26	-9.16/-9.78	
Θ(157.5°)	-9.08/-10.14	-9.33/-9.01	-9.71/-10.28	-11.51/-12.63	-14.62/-18	-18.31/-18.8	-18.63/-17.98	-18.15/-18.89	-18.09/-18.26	-17.64/-17.34	-18.06/-17.39	-18.99/-19.19	-17.87/-17.67	-17.74/-18.38	-15.88/-12.35	-10.96/-11.92	-15.69/-18.76	-15.46/-11.56	-11.95/-13.74	-14.23/-10.57	-8.05/-6.92	-7.65/-9.35	-10.41/-11.76	-10.71/-9.58
Θ(165°)	-10.94/-10.41	-12.21/-10.78	-10.15/-10.92	-12.11/-12.08	-13.91/-16.92	-18.76/-18.89	-16.58/-17.63	-17.75/-18.31	-18.53/-17.31	-17.33/-19.19	-18.81/-16.49	-15.21/-14.97	-14.2/-14.23	-13.73/-13.25	-11.65/-12.03	-9.62/-10.64	-12.36/-11.92	-11.17/-12.33	-15.53/-17.7	-18.64/-18.06	-14.71/-11.23	-10.92/-12.22	-13.27/-13.23	-13.54/-12.04
Θ(172.5°)	-18.59/-18.69	-17.35/-18.18	-15.51/-12.39	-12.26/-15.31	-18.51/-18.62	-18.01/-17.87	-17.57/-16.91	-15.5/-16.87	-17.14/-17.38	-18.48/-18.6	-18.07/-19.12	-18.81/-19.14	-18.26/-18.34	-18.99/-18.4	-18.32/-19.04	-18.61/-17.61	-16.4/-15.07	-15.12/-15.57	-16.1/-17.26	-18.81/-18.11	-18.34/-18.08	-17.47/-17.97	-17.53/-19.06	-17.78/-16.98
Θ(180°)	-15.96/-14.87	-15.97/-14.34	-13.89/-15.19	-18.62/-17.83	-18.36/-17.78	-18.73/-17.84	-17.62/-17.98	-17.68/-18.33	-18.41/-18.53	-17.77/-18.01	-18.53/-18.74	-18.77/-18.34	-18.55/-17.88	-17.76/-17.31	-17.73/-17.79	-18.47/-17.93	-18.47/-18.44	-17.84/-18.48	-18.16/-18.49	-18.24/-18.01	-17.52/-18.28	-19.34/-18.47	-18.02/-18.4	-19.12/-17.97
Freq(Hz)	6.995/GPol.	PhiAnt. 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	-14.86/-17.51	-15.35/-18.44	-18/-17.61	-18.52/-19.04	-18.6/-16.46	-16.55/-16.66	-16.36/-14.11	-14.93/-18.02	-16.22/-15.42	-15.02/-16.07	-16.74/-18.8	-17.87/-19.15	-19.12/-19.16	-18.94/-18.82	-17.88/-18.35	-17.38/-18.2	-18.65/-17.74	-18.96/-17.39	-17.36/-16.71	-15.54/-17.15	-17.93/-18.93	-17.03/-17.13	-17.25/-17.96	-18.67/-15.09
Θ(7.5°)	-15.31/-15.43	-17.57/-11.93	-16.17/-19	-17.45/-16.68	-16.17/-15.73	-15.46/-16.19	-15.94/-14.84	-14.84/-15.42	-18.38/-18.7	-17.34/-18.08	-17.38/-17.69	-18.56/-17.56	-18.9/-19.3	-18.45/-19.03	-18.53/-18.24	-18.67/-18.63	-18.04/-15.28	-14.07/-13.07	-12.8/-12.59	-13.13/-15.36	-16.78/-19.34	-18.61/-19.21	-18.11/-18.06	-18.86/-16.94
Θ(15°)	-18.42/-18.98	-18.38/-11.93	-18.27/-15.58	-18.24/-17.39	-19.05/-17.23	-19.17/-17.93	-18.64/-18.65	-16.61/-16.69	-15.47/-14.7	-15.17/-16.52	-16.66/-17.66	-18.08/-17.83	-18.14/-17.9	-17.28/-18.66	-18.08/-18.72	-18.69/-16.55	-13.87/-12.73	-13.01/-13.99	-15.02/-14.87	-16.04/-19.36	-18.29/-18.13	-16.67/-18.86	-18.99/-18.99	-18.23/-18.15
Θ(22.5°)	-19.36/-17.88	-19.23/-17.97	-19.58/-17.76	-17.67/-15.59	-17.68/-19.5	-19.07/-17.98	-18.26/-16.2	-14.77/-15.53	-15.23/-15.47	-18.38/-17.2	-15.04/-15.59	-18.21/-19.03	-18.02/-18.14	-18.51/-17.6	-19.45/-19.08	-18.13/-16.29	-13.36/-12.05	-12.12/-12.01	-12.34/-13.23	-14.31/-14.28	-15.13/-16.29	-14.67/-15.35	-18.18/-18.44	-18.87/-18.79
Θ(30°)	-17.99/-16.26	-13.5/-15.18	-18.26/-18.21	-19.73/-18.1	-18.4/-16	-18.61/-17.62	-18.48/-17.73	-17.41/-18.58	-18/-17.78	-16.86/-15.61	-14.34/-13.06	-15.38/-18.1	-17.21/-16.52	-11.27/-11.49	-11.03/-11.66	-16.18/-16.18	-12.41/-10.91	-11.08/-12.77	-15.65/-17.3	-15.56/-14.87	-14.68/-15.23	-15.97/-19.79	-18.47/-18.44	-18.94/-18.99
Θ(37.5°)	-12.38/-11.61	-13.69/-14.38	-16.21/-16.32	-17.04/-18.79	-18.71/-17.94	-15.66/-17.88	-16.44/-15.79	-18.42/-18.92	-16.66/-15.86	-15.83/-15.21	-15.42/-13.05	-17.09/-18.23	-17.71/-12.66	-11.21/-8.26	-7.96/-11.77	-13.99/-15.87	-11.71/-10.54	-11.1/-16.15	-18.99/-14.99	-14.93/-17.41	-16.97/-16.97	-15.35/-14.9	-13.37/-13.15	-12.14/-16.7
Θ(45°)	-14.61/-17.2	-18.9/-19.02	-13.58/-15.07	-19.07/-18.95	-15.68/-16.51	-13.5/-13.49	-14.34/-18.11	-18.73/-18.12	-17.63/-18.57	-17.59/-18.92	-18.06/-18.2	-18.56/-19.33	-18.06/-17.8	-18.71/-18.28	-14.99/-12.61	-11.62/-13.75	-14.13/-14.56	-12.1/-13.87	-17.4/-13.97	-10.58/-10.51	-10.89/-9.74	-10.93/-11.55	-12.99/-15.63	-12.88/-16.96
Θ(52.5°)	-8.69/-11.64	-12.89/-14.33	-14.66/-17.02	-14.25/-14	-15.17/-16.4	-16.73/-18.23	-13.13/-12.07	-12.93/-17.84	-18.46/-18.62	-18.06/-13.42	-11.89/-14.99	-18.62/-14.7	-18.81/-12.09	-19.05/-18.42	-15.93/-13.29	-17.73/-18.92	-16.05/-17.67	-19.27/-18.4	-18.51/-16.78	-16.74/-18.26	-16.07/-14.73	-13.56/-16.1	-17.19/-17.28	-15.63/-12.76
Θ(60°)	-16.67/-16.51	-17.99/-19.76	-14.28/-12.09	-14.6/-16.44	-13.21/-11.39	-17.69/-17.28	-17.68/-16.74	-13.1/-9.7	-9.41/-13.24	-18.1/-16.48	-15.94/-15.43	-18.14/-14.49	-16.8/-10.31	-12.62/-18.36	-17.7/-18.63	-17.97/-18.34	-18.26/-13.47	-18.73/-17.29	-16.28/-13.09	-14.97/-18.15	-18.89/-13.9	-15.11/-11.02	-13.25/-12.34	-12.92/-14.69
Θ(67.5°)	-18.14/-18.74	-17.78/-13.79	-15.6/-18.15	-11.15/-11.64	-11.24/-18.75	-15.52/-14.39	-15.93/-15.66	-15.92/-19.14	-18.65/-15.97	-15.53/-18.14	-18.34/-17.12	-17.74/-16.93	-17.38/-13.38	-12.62/-18.67	-13.36/-12.94	-15.72/-18.14	-17.23/-16.17	-13.61/-15.78	-19.1/-12.75	-11.77/-11.91	-9.8/-10.47	-10.72/-9.91	-9.76/-10.48	-16.29/-18.03
Θ(75°)	-17.03/-17.7	-18.36/-18.14	-17.76/-17.41	-18.52/-13.93	-16.91/-13.3	-15.43/-13.73	-17.92/-19.04	-17.95/-16.64	-18.44/-19.2	-16.86/-18.16	-15.71/-17.42	-18.28/-16.97	-16.01/-17.1	-18.83/-13.4	-15.9/-18.4	-16.56/-14.89	-12.16/-12.83	-15.84/-11.61	-7.49/-9.06	-12.6/-13.43	-11.99/-16.12	-15.46/-18.17	-15.21/-15.54	
Θ(82.5°)	-14.53/-13.48	-18.03/-18.65	-14.24/-19.36	-18.59/-18.24	-18.13/-15.7	-18.24/-17.83	-15.94/-18.02	-18.78/-18.5	-18.44/-19.8	-19/-17.86	-13.55/-18.1	-18.36/-16.32	-14.82/-18.04	-18.04/-18.51	-14.52/-16.46	-10.57/-18.77	-18.26/-17.53	-18.92/-12.36	-16.72/-13.05	-10.48/-9.92	-13.34/-14.11	-12.84/-13.51	-14.53/-18.47	-19.01/-16.97
Θ(90°)	-18.86/-17.11	-15.05/-19.03	-16.16/-16.47	-18.58/-17.86	-17.62/-17.85	-17.76/-18.59	-16.78/-15.76	-16.3/-16.57	-18.51/-14.83	-18.82/-17.61	-15.83/-18.84	-18.46/-19.22	-16.62/-18.08	-18.66/-15.38	-18.5/-15.29	-13.89/-17.85	-18.2/-19.42	-18.01/-10.36	-15.04/-12.67	-13.52/-10.08	-10.08/-14.05	-15.25/-14.63	-13.02/-13.82	-16.66/-14.89
Θ(97.5°)	-12.73/-12.72	-14.71/-11.99	-17.3/-18.13	-18.4/-17.54	-18.07/-18.45	-18.18/-19.25	-18.03/-18.37	-17.56/-16.66	-16.63/-15.07	-16.81/-15.45	-18.97/-10.65	-18.91/-12.76	-19.11/-18.12	-15.84/-17.47	-19.04/-18.7	-18.21/-18.66	-18.11/-18.56	-18.6/-14.75	-12.85/-16.19	-18.49/-15.52	-15.38/-14.82	-15.27/-11.39	-13.77/-13.33	-14/-13.32
Θ(105°)	-12.19/-12.9	-14.69/-12.65	-12.59/-14.18	-18.62/-14.62	-17.64/-13.58	-17.08/-18.66	-17.93/-17.94	-17.23/-19.22	-14.01/-18.6	-17.14/-17.35	-19.34/-13.49	-12.18/-15.59	-17/-18.65	-12.33/-17.5	-13.66/-17.65	-18.15/-11.99	-15.55/-14.56	-15.47/-18.78	-14.01/-17.13	-18.82/-18.61	-17.55/-15.88	-19.19/-16.81	-13.08/-13.28	
Θ(112.5°)	-16.43/-15.55	-15.39/-16.02	-18.49/-17.17	-13.26/-16.49	-17.82/-13.39	-15.25/-17.59	-17.92/-17.7	-18.97/-17.99	-19.8/-17.63	-17.22/-17.49	-17.79/-12.27	-17.15/-19.22	-15.65/-12.49	-17.37/-19.2	-18.68/-18.54	-18.06/-17.83	-15.91/-17.85	-16.44/-12.66	-15.91/-18.2	-16.89/-17.79	-17.87/-18.14	-14.71/-13.45	-17.45/-17.87	-18.08/-17.52
Θ(120°)	-18.51/-13.23	-18.43/-17.81	-17.46/-16.18	-18.88/-17.42	-16.06/-18.58	-15.3/-16.2	-18.22/-16.6	-18.59/-17.95	-18.19/-17.62	-18.97/-19.43	-18.16/-18.42	-16.86/-18.61	-19.08/-11.1	-18.03/-9.37	-9.97/-17.12	-11.67/-16.36	-16.11/-11.97	-10.57/-18.13	-18.91/-18.27	-17.95/-16.68	-11.61/-17.1	-12.26/-18.37	-18.47/-17.82	
Θ(127.5°)	-17.99/-15.06	-18.68/-18.01	-18.57/-18.22	-17.65/-17.49	-18.04/-17.04	-19.09/-19.66	-17.44/-18.8	-17.3/-18.61	-18.5/-18.78	-18.42/-14.32	-14.37/-18.52	-18.15/-18.01	-13.49/-13.99	-14.51/-17.13	-13.56/-9.68	-12.83/-9.44	-7.13/-13.91	-13.03/-10.91	-9.74/-17.65	-18.47/-15.35	-13.08/-14.03	-10.17/-14.42	-18.79/-18.76	-18.99/-16.91
Θ(135°)	-19.18/-18.3	-17.61/-18.01	-18.64/-18.69	-17.79/-17.81	-18.62/-17.92	-16.61/-17.92	-13.68/-15.98	-17.94/-19.22	-16.98/-15.63	-14.96/-15.94	-16.64/-14.65	-17.56/-16.89	-14.25/-12.21	-13.05/-16.35	-15.4/-19.16	-13.97/-9.28	-11.03/-16.43	-9.39/-9.84	-11.88/-18.04	-16.88/-12.13	-14.97/-13.52	-15.08/-13.53	-13.42/-12.03	-14.54/-18.35
Θ(142.5°)	-16.27/-14.57	-15.16/-14.86	-18.27/-19.1	-18.85/-17.18	-18.17/-18.35	-19.19/-18.07	-14.35/-18.26	-18.84/-18.44	-18.99/-19.1	-17.98/-18.14	-17.48/-13.77	-18.06/-18.99	-18.61/-17.09	-14.13/-14.14	-15.27/-15.05	-12.43/-12.97	-17.02/-17.27	-10.01/-18.54	-17.58/-19.02	-19.14/-14.11	-14.33/-17.94	-15.02/-18.19	-16.59/-12.93	-17.71/-18.92
Θ(150°)																								



Radiated Composite Gain Data <6GHz U-NII5~UNII-8>

Appendix B

Θ (165°)	-13.91/-10.34	-11.11/-13.8	-15.14/-14.6	-14.48/-17.67	-18.99/-17.83	-18.84/-17.13	-18.31/-18.11	-14.23/-11.27	-9.37/-8.56	-8.84/-9.9	-11.07/-10.66	-9.49/-8.84	-8.87/-9.78	-10.51/-10.28	-9.43/-9.6	-11.38/-15.14	-18.93/-18.33	-18.44/-17.07	-14.71/-16.82	-18.41/-15.78	-12.33/-9.31	-7.2/-6.38	-7.96/-12.23	-19.2/-19.81
Θ (172.5°)	-15.39/-13.54	-13.11/-13.73	-13.38/-12.63	-14.32/-16.89	-18.11/-17.75	-14.86/-12.83	-12.38/-12.07	-11.78/-11.41	-12.31/-13.14	-13.54/-13.34	-12.19/-10.5	-9.32/-0.8	-9.73/-11.16	-13.55/-17.6	-18.32/-18.77	-18.06/-18.54	-18.57/-18.33	-18.07/-19	-19.16/-17.92	-16.47/-12.63	-11.78/-13.09	-14.28/-15.72	-16.86/-17.51	-18.42/-17.66
Θ (180°)	-17.03/-16.14	-15.75/-14.76	-14.01/-14.26	-15.31/-16.64	-16.46/-16.51	-15.24/-14.12	-14.56/-14.2	-13.23/-12.74	-12.55/-12.73	-13.51/-14.32	-15.38/-16.77	-18.17/-17.98	-18.75/-17.89	-18.06/-18.06	-12.32/-18.17	-13.01/-18.89	-18.91/-18.9	-18.14/-18.74	-18.51/-16.23	-16.33/-18.5	-18.68/-16.55	-12.79/-12.19	-12.38/-15.33	
Freq(Hz)	6.475GPol.	PhiAnt. 5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ (0°)	-3.82/-3.95	-4.48/-5.03	-5.24/-5.04	-4.83/-5.55	-6.75/-8.09	-9.78/-11.25	-11.38/-11.09	-10.09/-9.21	-8.61/-7.84	-7.22/-6.61	-5.93/-5.41	-4.85/-4.72	-4.69/-4.91	-5.01/-5.6	-5.36/-5.77	-6.58/-7.23	-7.71/-8.02	-8.76/-9.78	-9.98/-9.65	-9.05/-7.83	-7.04/-6.21	-5.11/-4.36	-4.19/-3.9	-4.11/-4
Θ (7.5°)	-7.05/-6.44	-6.16/-6.16	-6.79/-7	-6.78/-6.8	-6.99/-6.87	-6.66/-6.56	-6.01/-5.74	-5.73/-5.93	-5.79/-5.6	-5.34/-4.97	-4.52/-3.87	-3.42/-3.24	-3.2/-3.29	-3.24/-3.08	-3.27/-3.45	-4.36/-5.79	-7.85/-10.41	-12.73/-14.71	-14.76/-14.96	-14.89/-13.44	-12.55/-10.67	-9.37/-8.85	-8.57/-8.36	-8.3/-7.6
Θ (15°)	-16.52/-16.53	-12.49/-9.39	-8.2/-7.82	-7.26/-6.81	-5.9/-5.4	-4.75/-4.16	-3.92/-3.88	-4.02/-4.56	-5.01/-5.32	-5.46/-5.4	-5.09/-4.47	-3.85/-3.39	-3.04/-2.96	-3.15/-3.23	-3.41/-3.71	-4.37/-5.25	-6.59/-8.01	-9.86/-12.49	-14.79/-17.2	-19.35/-18.16	-18.3/-18.83	-18.43/-17.95	-18.37/-16.46	-17.32/-15.66
Θ (22.5°)	-6.91/-7.42	-8.04/-8.95	-8.9/-8.93	-9.11/-8.42	-6.27/-4.78	-3.94/-3.61	-3.57/-3.67	-3.45/-3.33	-3.57/-3.72	-3.8/-3.87	-3.48/-3.26	-3.21/-3.07	-3.09/-3.39	-3.7/-3.67	-3.68/-3.52	-3.73/-3.95	-4.39/-5.3	-6.26/-7	-7.65/-8.06	-8.98/-9.84	-10.23/-9.72	-8.45/-7.3	-6.38/-6.05	-6.55/-6.59
Θ (30°)	-5.43/-5.68	-5.39/-5.91	-5.73/-4.92	-4.9/-5.22	-5.52/-5.34	-4.62/-3.73	-2.7/-2.37	-2.2/-2.2	-2.17/-2.31	-2.51/-2.71	-2.6/-2.42	-2.22/-2.13	-2.25/-2.21	-2.32/-2.67	-3.21/-3.9	-3.97/-3.37	-3.46/-3.73	-4.54/-5.82	-6.92/-7.79	-7.2/-5.75	-5.37/-5.09	-4.67/-4.92	-5.52/-6.07	-5.93/-6.02
Θ (37.5°)	-3.84/-3.17	-3.68/-3.99	-3.24/-3.29	-4.39/-5.06	-4.96/-3.9	-2.96/-2.57	-2.37/-2.17	-1.54/-1.11	-1.35/-2.2	-2.83/-3.47	-3.63/-3.39	-3.03/-3.2	-3.39/-3.03	-2.81/-2.9	-3.65/-4.02	-3.73/-3.68	-4.5/-5.27	-7.19/-8.48	-7.37/-5.61	-5.48/-5.66	-5.67/-5.48	-5.8/-5.63	-5.14/-4.95	-5.29/-5.47
Θ (45°)	-1.42/-0.47	1.02/-0.05	-1.55/-2.06	-2.37/-2.09	-2.07/-2.75	-4.23/-4.35	-2.91/-7.3	-7.03/-5.0	-0.96/-2.36	-4.07/-5.6	-7.09/-7.56	-7.19/-6.68	-6.75/-6.23	-5.52/-5.59	-5.92/-4.61	-3.42/-3.12	-3.22/-4.58	-7.5/-7.6	-4.98/-3.32	-2.93/-2.82	-3.12/-3.87	-4.41/-4.24	-4.08/-3.06	-1.66/-1.39
Θ (52.5°)	-1.35/-0.89	-0.01/-0.02	-0.3/-0.78	-1.95/-7.27	-3.19/-2.88	-2.67/-2.56	-2.69/-2.56	-2.19/-2.34	-3.14/-4.11	-6.32/-6.92	-6.05/-5.63	-5.35/-5	-5.1/-5.69	-6/-5.29	-3.52/-4.23	-1.64/-1.09	-1.95/-4.04	-8.25/-6.47	-4.39/-3.28	-3.71/-4.89	-4.45/-3.91	-5.06/-5.22	-3.59/-3.59	-2.44/-1.35
Θ (60°)	-0.87/-1	-2.5/-2.62	-1.51/-5.09	-0.48/-1.25	-2.95/-3.56	-3.58/-2.65	-2.02/-1.58	-1.87/-2.87	-4.41/-7.79	-10.08/-7.09	-3.87/-2.68	-3/-4.12	-4.18/-4.08	-3.98/-3.04	-2.76/-2.02	-1.51/-2.2	-2.5/-4.55	-6.86/-8.06	-8.49/-9.3	-5.14/-4.56	-5.6/-5.97	-3.34/-1.72	-1.71/-2.43	-2.06/-1.81
Θ (67.5°)	-1.41/-1.3	-2.3/-3.64	-4.29/-3.66	-2.1/-1.11	-2.65/-5.24	-7.47/-4	-1.76/-1.89	-3.87/-4.87	-6.37/-8.63	-7.83/-4.35	-1.56/-0.92	-1.15/-2.47	-2.79/-3.25	-3.76/-4.23	-2.47/-2.16	-2.68/-2.99	-2.15/-4.22	-7.83/-10.15	-6.22/-4.97	-5.22/-6.7	-8.43/-6.53	-3.64/-4	-5.1/-3.94	-2.41/-0.6
Θ (75°)	-1.6/-1.13	-2.99/-3.48	-4.08/-4.18	-5.67/-7.26	-8.84/-6.33	-5.61/-5.34	-6.09/-5.13	-2.86/-4.26	-7.82/-6.6	-3.76/-3.41	-2.84/-2.46	-2.29/-2.69	-2.31/-2.71	-2.58/-2.4	-2.74/-2.76	-3.17/-2.46	-2.17/-4.6	-4.74/-6.86	-6.23/-6.56	-7.64/-9.28	-6.29/-4.59	-8.14/-7.1	-4.84/-3.62	-2.46/-0.99
Θ (82.5°)	-1.68/-2.25	-4.78/-4.73	-7.91/-5.71	-3.52/-3.13	-5.43/-6.33	-6.84/-6.99	-6.94/-5.21	-4.53/-6.02	-10.61/-6.37	-2.47/-2.13	-2.57/-3.19	-3.93/-3.52	-3.71/-4.4	-3.15/-3.18	-2.86/-3.05	-3.16/-1.47	-2.49/-3.84	-3.69/-4.27	-3.52/-3.37	-4.22/-5.21	-4.99/-3.93	-4.87/-4.15	-6.63/-3.8	-1.67/-0.31
Θ (90°)	-4.02/-5.4	-7.3/-14.22	-17.9/-13.85	-11.54/-9.51	-8.5/-6.73	-8.34/-1.6	-8.01/-4.87	-6.07/-8.32	-6.26/-4.62	-4.92/-4.03	-1.94/-2.07	-3.32/-4.34	-4.6/-5.3	-4.84/-3.57	-2.97/-4	-2.53/-2.82	-6.69/-4.71	-3.67/-4.22	-3.74/-3.18	-2.69/-4.47	-7.43/-6.01	-3.24/-4.42	-2.6/-4.82	-3.77/-2.36
Θ (97.5°)	-5.54/-8.04	-9.46/-18.23	-16.45/-13.14	-11.87/-11.02	-19.46/-14.5	-8.24/-9.22	-8.78/-8.19	-5.91/-6.6	-8.88/-4.84	-2.81/-4.62	-5.55/-6.03	-5.2/-5.32	-5.23/-6.13	-4.97/-4.31	-5.92/-5.77	-3.19/-2.8	-4.26/-3.54	-3.46/-3.28	-1.89/-1.46	-2.65/-5.92	-4.25/-3.13	-5.09/-8.58	-10.95/-9.22	-6.77/-7.43
Θ (105°)	-9.53/-11.41	-10.14/-12.32	-11.05/-10.98	-10.03/-9.16	-19.1/-13.45	-8.62/-10.18	-12.62/-11.62	-6.43/-4.69	-11.24/-6.5	-3.48/-3.89	-4.08/-5.19	-4.57/-6.24	-5.42/-9.22	-4.47/-2.88	-1.97/-2.84	-3.25/-2.82	-2.15/-3.69	-1.03/-0.17	-1.75/-3.71	-5.7/-6.02	-7.54/-8.47	-11.97/-16.35	-13.25/-8.61	
Θ (112.5°)	-9.56/-10.62	-8.6/-14.76	-15.29/-15.68	-16.03/-12.03	-13.22/-18.87	-9.29/-7.18	-7.04/-6.99	-6.57/-4.4	-7.76/-7.3	-7.53/-6.18	-6.43/-3.84	-4.04/-3.77	-4.69/-4.53	-3.16/-3.37	-3.28/-4.8	-4.64/-4.7	-4.97/-5.62	-5.8/-5.07	-1.37/-1.38	-2.69/-4.58	-16.4/-16.1	-15.5/-14.9	-18.33/-17.9	-14.3/-10.64
Θ (120°)	-18.34/-15.82	-14.75/-13.62	-12.22/-11.07	-13.27/-15.16	-13.53/-10.5	-8.75/-6.92	-7.14/-9.12	-14.02/-16.14	-7.79/-8.37	-12.84/-7.33	-6.99/-4.94	-6.03/-3.74	-3.05/-2.23	-1.6/-2.15	-3.76/-7.43	-7/-5.09	-4.82/-5	-9.76/-7.93	-4.81/-3.18	-5.52/-9.46	-18.45/-10.98	-10.14/-11.93	-13.19/-12.66	-12.21/-16.12
Θ (127.5°)	-18.84/-13.81	-12.96/-11.06	-10.65/-13.32	-15.51/-17.87	-17.61/-16.16	-11.11/-9.52	-7.52/-11.07	-14.11/-9.57	-7.79/-9.43	-8.95/-9.25	-6.82/-6	-6.67/-6.47	-6.77/-7.37	-7.25/-4.3	-4.33/-6.61	-5.16/-5.21	-3.84/-6.05	-6.19/-7.04	-7.67/-3.42	-9.25/-18.2	-10.44/-7.1	-8.25/-11.36	-18.21/-14.46	-13.4/-15.62
Θ (135°)	-17.51/-15.67	-10.69/-11.58	-11.78/-17.48	-18.96/-13.84	-11.93/-11.04	-11.46/-12.39	-10.27/-7.39	-8.47/-15.55	-16.28/-8.37	-8.21/-10.09	-8.6/-4.73	-6.31/-6.69	-2.94/-1.12	-3.33/-8.01	-5.05/-5.01	-2.76/-3.3	-3.9/-9.8	-18.6/-19	-6.88/-9.55	-11.35/-8.42	-13.33/-18.2	-19.22/-14.19	-12.87/-11.2	
Θ (142.5°)	-18.65/-19.77	-12.43/-9.15	-7.14/-7.7	-9.6/-11.95	-10.66/-9.98	-10.67/-12.06	-13.23/-14.32	-14.91/-14.13	-13.82/-14.37	-13.62/-12.37	-13.06/-10.06	-8.51/-7.24	-7.59/-8.08	-5.5/-5.19	-8.62/-11.94	-9.42/-5.12	-4.05/-7.87	-5.77/-10.91	-16.08/-7.43	-8.36/-10.55	-9.92/-13.93	-9.77/-13.3	-12.19/-11.26	-16.18/-19.32
Θ (150°)	-9.51/-10.45	-17.51/-15.01	-16.12/-16.68	-17.13/-35	-11.13/-9.46	-10.35/-13.71	-19.04/-17.75	-17.43/-19.11	-17.75/-18.75	-19.05/-18.75	-10.7/-8.01	-10.55/-8.5	-8.34/-7.39	-4.48/-3.5	-4.7/-4.69	-8.83/-9.65	-6.98/-7.63	-7.91/-12.26	-13.14/-9.88	-8.92/-14.28	-16.93/-18.09	-13.51/-13.42	-16.96/-16.55	-11.24/-8.4
Θ (157.5°)	-18.98/-18.61	-17.96/-18.84	-19.15/-18.06	-17.66/-19.22	-18.76/-18.6	-18.24/-17.97	-19.02/-18.22	-19.34/-18.9	-14.78/-10.65	-9.53/-10.44	-12.68/-13.71	-12.94/-11.78	-11.01/-10.15	-9.05/-8.49	-7.64/-9.72	-11.86/-10.36	-8.29/-10	-12.7/-12.59	-18.78/-19.13	-18.18/-134	-12.34/-12.94	-13.25/-12.68	-14.79/-18.29	
Θ (165°)	-12.95/-13.3	-14.87/-14.59	-15.68/-17.61	-18.9/-18.79	-18.31/-18.72	-18.51/-18.57	-19.41/-18.6	-16.09/-13.62	-12/-11.47	-11.79/-11.39	-9.87/-8.7	-8.39/-8.64	-8.69/-8.24	-8.08/-8.84	-9.45/-8.88	-7.36/-6.16	-6.71/-9.87	-16.02/-19.25	-18.87/-17.27	-17.32/-16.76	-14.33/-14.56	-19.11/-18.51	-18.1/-17.47	-18.58/-16.16
Θ (172.5°)	-17.11/-15.73	-14.84/-15.2	-15.08/-14.28	-15.05/-15.2	-14.61/-14.83	-15.53/-15.79	-16.83/-16.46	-15.26/-14.34	-14.21/-14.08	-13.41/-12.05	-11.13/-11.07	-11.37/-11.43	-10.84/-9.54	-8.52/-8.19	-8.48/-9.53	-10.92/-12.47	-14.29/-16.42	-17.69/-18.68	-18.77/-18.18	-18.52/-18.17	-18.35/-19.29	-18.77/-18.7	-18.71/-18.8	-16.14/-15.73
Θ (180°)	-18.78/-18.33	-18.53/-18.67	-19.08/-18.31	-18.47/-18.87	-17.82/-18.64	-18.75/-18.53	-17.9/-17.96	-17.71/-18.16	-18.66/-17.53	-16.24/-15.3	-15.04/-14.96	-14.34/-14.05	-14.05/-13.94	-14.2/-15.59	-16.12/-17.21	-17.5/-16.16	-14.38/-12.44	-11.04/-10.69	-11.3/-12.44	-12.68/-13.84	-14.95/-15.47	-15.37/-14.3	-14.34/-15.69	-19.18/-18.74
Freq(Hz)	6.475GPol.	ThetaAnt. 5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ (0°)	-12.75/-13.32	-12.15/-10.69	-9.19/-8	-7.4/-7.28	-6.63/-5.83	-5.07/-4.39	-4.17/-2.21	-4.31/-7.48	-5.28/-5.73	-6.22/-6.93	-7.85/-8.33	-9.34/-10.16	-10.77/-10.57	-10.25/-9.39	-8.87/-8.14	-7.35/-6.53	-5.61/-5.21	-5.35/-4.57	-5.51/-5.42	-5.4/-5.12	-5.29/-5.87	-6.69/-4.73	-8.36/-9.33	-9.66/-11.05
Θ (7.5°)	-9.34/-9.52	-9.33/-8.38	-7.87/-7.06	-6.55/-7.08	-6.86/-6.41	-5.92/-5.6	-5.29/-5.19	-5.19/-5.56	-6/-6.29	-6.62/-7.06	-8.01/-9.09	-10.24/-12	-13.36/-15.84	-16.87/-15.48	-12.51/-9.86	-8/-6.5	-5.57/-5.18	-5.16/-5.28	-4.91/-4.97	-4.89/-5.05	-5.51/-6.15	-6.9/-7.78	-8.21/-8.84	-9.29/-9.26
Θ (15°)	-8.96/-9.33	-8.47/-10.7	-11.91/-11.89	-11.08/-10.36	-9.06/-7.84	-6.95/-6.65	-6.17/-6.17	-6.5/-6.96	-7.51/-7.85	-8.31/-8.95	-9.61/-9.33	-9.28/-9.87	-10.89/-12											



Radiated Composite Gain Data <6GHz U-NII5~UNII-8>

Appendix B

Θ(7.5°)	-5.31/-5.24	-5.76/-6.16	-5.79/-5.17	-5.14/-5.73	-6.66/-7.48	-8.31/-8.76	-9.45/-9.78	-9.31/-8.75	-7.71/-6.49	-5.38/-4.52	-3.8/-3.17	-2.69/-2.31	-2/-1.9	-1.86/-1.9	-1.95/-2.12	-2.57/-3.11	-4.03/-4.75	-6.15/-4.71	-9.15/-12.6	-16.14/-18.82	-18.98/-19.46	-15.62/-11.64	-9.05/-4.72	-5.98/-5.4
Θ(15°)	-3.84/-3.8	-3.77/-4.47	-4.49/-4.81	-4.54/-4.1	-5.18/-5.58	-5.8/-6.76	-5.91/-5.75	-5.53/-5.25	-5.23/-5.61	-4.65/-3.84	-3.44/-3.15	-2.89/-2.6	-2.36/-2.39	-2.64/-3.01	-3.25/-3.64	-3.82/-4.26	-4.92/-5.93	-7.11/-8.43	-9.79/-10.62	-9.91/-9	-7.88/-6.99	-5.87/-4.79	-4.05/-3.73	-3.5/-3.71
Θ(22.5°)	-7.7/-64	-7.61/-65.1	-6.12/-61	-6.09/-5.18	-5.21/-4.52	-3.94/-3.29	-2.84/-2.78	-3.01/-3.16	-3.65/-4.58	-5.25/-5.04	-4.55/-4.36	-4.02/-3.58	-3.14/-3.08	-3.46/-4.02	-4.64/-5.37	-5.53/-5.36	-4.8/-5	-5.57/-5.59	-5.8/-6.37	-7.1/-7.07	-6.46/-5.58	-5.27/-5.35	-5.47/-5.63	-5.79/-6.42
Θ(30°)	-2.18/-2.59	-3.19/-3.72	-4.89/-4.77	-4.75/-4.29	-4.1/-3.74	-3.3/-2.8	-1.98/-2.06	-2.61/-3.15	-3.74/-4.24	-5.37/-5.59	-5.16/-4.76	-4.41/-3.7	-3.31/-3.76	-4.3/-3.86	-3.47/-3.34	-3.75/-3.87	-4.73/-5.67	-5.72/-5.01	-5.19/-4.93	-4.36/-4.36	-4.26/-3.93	-3.76/-3.33	-2.87/-2.38	-1.87/-1.9
Θ(37.5°)	-1.83/-2.02	-2.11/-1.86	-1.65/-1.8	-2.48/-3.48	-3.87/-4.16	-3.57/-3.21	-1.21/-1	-1.76/-3.19	-4.58/-5.35	-5.3/-4.52	-3.41/-2.95	-3.63/-4.47	-4.84/-5.15	-4.14/-3.11	-2.17/-3.24	-2.47/-3.46	-5.38/-7.21	-8.71/-9.17	-7.79/-6.48	-5.27/-4.08	-3.9/-2.96	-1.99/-1.61	-1.46/-1.96	-2.19/-1.83
Θ(45°)	-2.32/-1.75	-1.73/-1.86	-2.1/-2.34	-2.46/-2.58	-2.75/-3.75	-3.8/-2.45	-1.18/-0.81	-1.73/-3.76	-4.99/-4.18	-3.7/-3.62	-2.92/-2.78	-2.95/-3.35	-4.69/-5.19	-4.67/-4.74	-4.93/-4.66	-2.58/-1.78	-2.54/-9.2	-6.71/-4.4	-5.97/-4.94	-4.57/-3.77	-3.15/-4.04	-3.74/-3.65	-3.65/-2.92	-2.6/-2.47
Θ(52.5°)	-0.62/-0.54	-0.17/-0.8	-1.28/-1.95	-2.6/-3.21	-4.14/-5.22	-3.87/-2.34	-0.91/-0.11	-1.66/-4.24	-4.82/-3.34	-2.07/-2.54	-2.77/-2.96	-2.92/-2.96	-3.3/-3.65	-4.54/-7.1	-8.59/-4.89	-2.85/-1.72	-1.92/-1.21	-2.73/-4.25	-4.58/-4.05	-3.89/-3.94	-2.19/-1.85	-3.17/-3.59	-3.68/-2.96	-1.92/-0.52
Θ(60°)	-1.37/-0.86	-1.1/-1.77	-2.74/-3.8	-3.9/-3.73	-4.23/-4.46	-4.91/-3.71	-3.05/-3.46	-3.8/-4.4	-4.88/-3.42	-2.1/-1.56	-1.78/-2.92	-3.67/-3.79	-3.01/-2.99	-3.27/-3.84	-4.42/-4.21	-3.71/-3.96	-4.4/-4.54	-5.23/-5.44	-9.19/-11.64	-6.4/-4.56	-4.07/-6.29	-7.18/-4.29	-3.28/-3.17	-2.58/-2.58
Θ(67.5°)	-2.19/-2.59	-2.27/-3.29	-3.94/-5.59	-5.44/-4.68	-3.47/-3.75	-5.43/-4.76	-3.2/-2.78	-4.79/-7.22	-6.07/-3.84	-1.76/-1.22	-1.08/-1.83	-2.58/-3.81	-3.73/-5.51	-3.31/-2.67	-3.25/-3.44	-4.34/-4.5	-3.56/-4.59	-5.99/-6.72	-6.66/-8.26	-7.6/-8.32	-7.77/-6.65	-7.06/-6.25	-5.32/-4.26	-3.73/-3.44
Θ(75°)	4.15/-4.32	-5.9/-7.51	-8.81/-9.9	-8.16/-7.99	-6.95/-11.5	-12.26/-5.63	-3.43/-3.38	-5.75/-6.72	4.34/-4.73	-2.75/-1.99	-2.32/-2.58	-3.17/-4.08	-4.18/-4.08	-3.06/-0.94	-0.51/-1.81	-2.21/-1.94	-2.17/-5.59	-7.19/-7.59	-8.2/-10.14	-9.02/-7.82	-10.33/-9.34	-8.19/-8.31	7.35/-7.46	-5.43/-3.47
Θ(82.5°)	-4.95/-3.75	-6.12/-7.04	-10.91/-18.82	-12.87/-12.96	-9.77/-14.57	-12.87/-12.96	-6.08/-4.89	-6.99/-6.95	-2.8/-3.27	-1.95/-2.27	-3.98/-6.01	-4.23/-4.87	-3.76/-5.08	-4.83/-3.37	-2.34/-2.24	-1.130/-32	1.1/-0.8	-1.22/-1.91	-2.91/-5.86	-5.31/-4.1	-5.58/-4.22	-5.69/-9.07	-6.52/-6.62	-5.04/-1.47
Θ(90°)	-7.94/-6.98	-11.57/-13.39	-17.92/-15.57	-15.37/-17.04	-17.71/-6.73	-7.17/-4.69	-4.49/-2.93	-5.78/-3.07	-5.96/-9.15	-10.68/-10.52	-7.32/-4.73	-7.65/-7.45	-6.07/-6.06	-5.32/-9.91	-3.01/-4.34	-2.78/-4.05	-3.83/-4.43	-2.86/-1.05	-5.47/-7.26	-5.06/-7.87	-7.9/-6.68	-6.98/-6.09		
Θ(97.5°)	-14.84/-10.84	-14.78/-17.84	-18.85/-17.85	-15.87/-17.78	-11.18/-14.95	-9.73/-6.44	-8.63/-6.24	-5.54/-8.12	-5.65/-5.99	-3.74/-4.56	-7.97/-11.67	-11.88/-9.94	-10.98/-9.31	-11.82/-7.48	-9.13/-7.94	-4.37/-3.39	-5.92/-4.15	-4.31/-5.17	-5.2/-4.5	-2.07/-3.72	-4.68/-5.97	-3.29/-6.49	-10.88/-14.28	-12.69/-9.75
Θ(105°)	-11.88/-13.49	-14.11/-16.08	-10.55/-14.1	-12.64/-17.5	-11.21/-11.73	-9.33/-6.32	-6.07/-6.76	-8.54/-9.19	-4.58/-7.78	-6.48/-9.19	-8.86/-14.29	-16.35/-13.23	-13.65/-14.3	-12.4/-8.12	-8.57/-8.26	-5.46/-2.66	-1.42/-2.33	-3.86/-5.14	-2.23/-3.54	-2.42/-3.91	-8.15/-4.31	-6.31/-9.23	-17.05/-18.21	-13.78/-9.92
Θ(112.5°)	-18.53/-18.97	-16.52/-12.09	-10.26/-13.36	-9.21/-14.57	-10.34/-6.73	-9.99/-7.35	-8.58/-10.95	-9.65/-5.89	-7.19/-10.81	-4.8/-7.22	-7.59/-13.84	-14.31/-17.93	-12.2/-12.55	-8.83/-6.73	-5.62/-7.15	-6.17/-3.3	-2.83/-4.25	-5.34/-10.36	-4.37/-4.65	-5.95/-9.75	-7.54/-6.49	-7.48/-18.52	-16.16/-17.93	-18.75/-17.55
Θ(120°)	-13.91/-18.12	-17.92/-11.08	-9.48/-9.02	-13.31/-13.87	-18.44/-10.88	-8.16/-10.64	-11.36/-7.5	-4.43/-4.95	-19.01/-11.85	-5.3/-9.13	-6.75/-8.1	-7.03/-8.76	-10.37/-13.33	-9.7/-7.15	-6.05/-8.88	-9.27/-6.66	-3.52/-4.42	-7.64/-10.84	-6.24/-4.25	-7.46/-8.01	-7.43/-9.88	-9.58/-18.81	-18.2/-18.26	-19.07/-15.4
Θ(127.5°)	-15.05/-15.25	-17.58/-18.71	-17.93/-18.57	-17.36/-18.04	-17.41/-11.65	-7.41/-8.12	-8.64/-7.22	-6.44/-10.47	-8.96/-8.35	-13.46/-18.9	-11.88/-10.28	-12.18/-10.25	-9.84/-9.61	-8/-5.26	-5.1/-7.81	-7.02/-2.97	-0.77/-2.01	-6.4/-10.2	-8.03/-3.88	-7.71/-8.3	-11.98/-14.2	-9.29/-14.44	-18.51/-17.18	-18.96/-10.87
Θ(135°)	-13.15/-15.81	-10.29/-14.24	-15.49/-16.69	-15.3/-9.67	-9.09/-8.71	-10.49/-10.77	-10.31/-14.03	-12.43/-8.01	-8.07/-12.31	-10.96/-11.08	-8.08/-6.47	-7.61/-8.71	-8.05/-7.67	-6.89/-3.28	-3.01/-11.71	-13.54/-5.53	-7.28/-2.94	-7.67/-14.74	-7.05/-4.66	-6.89/-18.4	-17.56/-7.17	-17.09/-14.67	-17.52/-18.64	-19.42/-11.6
Θ(142.5°)	-18.87/-18.52	-18.98/-18.94	-18.84/-18.17	-19.15/-18.09	-17.36/-14.52	-11.65/-11.53	-10.25/-7.76	-6.3/-7.86	-9.93/-11.59	-12.12/-10.83	-10.1/-10.06	-9.85/-10.04	-8.4/-10	-8.54/-5.64	-6.22/-9.85	-13.99/-12.56	-6.93/-7.27	-11.21/-17.67	-11.23/-7.73	-8.58/-14.95	-10.1/-18.53	-13.75/-16.68	-11.44/-17.92	-17.37/-17.84
Θ(150°)	-7.1/-8.46	-13.18/-17.79	-17.48/-17.01	-8.27/-8.07	-8.68/-10.26	-10.6/-97	-9.64/-10.65	-12.92/-13.48	-13.91/-14.56	-15.52/-15.53	-13.65/-11.89	-12.86/-14.74	-14.21/-13.83	-14.08/-12.71	-11/-10.22	-8.34/-6.76	-4.92/-6.35	-10.1/-12.59	-9.76/-7.81	-7.55/-12.94	-18.25/-14.83	-17.86/-13.93	-12.87/-12.88	-9.64/-7.19
Θ(157.5°)	-16.11/-15.92	-16.64/-18.19	-18.67/-17.69	-18.91/-16.79	-14.39/-13.9	-14.64/-15.03	-15.91/-17.89	-15.15/-12.68	-12.36/-13.25	-14.2/-14.58	-14.97/-15.43	-15.63/-16.38	-17.46/-12.92	-7.46/-4.95	-4.56/-4.34	-4.54/-7.72	-12.8/-14.39	-16.63/-13.63	-10.34/-10.7	-14.94/-19.21	-18.06/-16.47	-16.71/-16.74	-17.48/-17.24	-17.11/-15.96
Θ(165°)	-13.39/-13.49	-13.78/-15.2	-17.37/-18.4	-18.75/-18.26	-18.79/-18.62	-18.82/-19.01	-15.58/-12.1	-11.03/-11.64	-12.33/-11.16	-9.52/-8.82	-8.91/-9.53	-10.05/-10.07	-10.77/-12.43	-15.38/-16.32	-14.94/-13.42	-13.31/-14.06	-11.86/-10.84	-13.21/-19	-19.15/-17.96	-15.36/-9.73	-7.41/-6.76	-7.62/-9.05	-10.32/-11.04	-11.7/-12.95
Θ(172.5°)	-19.19/-18.81	-18.34/-17.61	-18.31/-17.74	-18.94/-18.41	-17.58/-18.02	-17.81/-18.13	-19.16/-17.05	-14.48/-12.93	-11.72/-11.54	-11.82/-12.9	-14.47/-16.13	-17.58/-17.9	-18.01/-18.28	-19.01/-18.8	-18.9/-18.62	-17.41/-18.58	-17.83/-17.23	-15.1/-13.35	-11.63/-10.15	-10.12/-10.11	-9.91/-10.12	-11.68/-14.77	-16.8/-19.04	-19.2/-18.48
Θ(180°)	-18.62/-18.52	-15.75/-14.34	-14.27/-15.02	-15.09/-14.96	-15.57/-15.92	-16.94/-18.44	-17.72/-18.72	-18.78/-18.6	-18.34/-18.07	-17.85/-15.97	-14.8/-13.95	-12.55/-11.31	-10.52/-10.39	-10.55/-11.45	-12.66/-13.04	-13.65/-14.54	-15.52/-17.17	-15.54/-14.18	-13.33/-13.53	-13.64/-12.48	-11.52/-11.89	-13.12/-14.29	-14.65/-14.56	-15.26/-17.48
Freq(Hz)	6.995GPol.	Theta/Ant. 5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	-7.7/-8.84	-10.49/-11.3	-11.94/-11.3	-10.98/-8.9	-5.05/-4.59	-4.19/-3.87	-3.52/-3.37	-3.58/-3.63	-4.02/-4.3	-5.13/-5.91	-6.74/-7.89	-8.71/-10.35	-13.27/-16.35	-15.21/-11.75	-9.85/-8.5	-7.16/-5.84	-5.15/-4.68	-4.02/-3.56	-3.35/-3.69	-3.75/-3.99	-3.47/-4.62	-4.75/-4.74	-5.9/-6.91	
Θ(7.5°)	-10.96/-12.17	-13.39/-14.2	-13.85/-12.3	-11.3/-9.45	-7.66/-6.35	-5.25/-4.6	-4/-3.79	-3.52/-3.4	-3.46/-3.67	-3.71/-4.12	-4.85/-5.07	-5.73/-6.46	-7.7/-8.63	-10.26/-11.96	-12.57/-12.29	-11.44/-10.18	-8.3/-7.52	-6.96/-6.09	-5.24/-4.74	-4.51/-4.38	-4.49/-4.92	-5.37/-5.68	-6.22/-6.95	-7.84/-9.72
Θ(15°)	-15.77/-18.34	-17.36/-17.65	-18.34/-15.36	-12.99/-11.86	-9.43/-7.69	-6.26/-9.47	-4.44/-4	-3.77/-3.55	-3.19/-3.33	-3.68/-4.26	-5.05/-5.85	-6.42/-7.3	-8.52/-9.83	-10.63/-11.2	-10.91/-10.88	-10.61/-9.36	-8.1/-7.06	-6.49/-5.75	-5.02/-4.7	-4.09/-4.23	-4.24/-4.11	-4.41/-5.15	-6.7/-8.53	-9.37/-12.12
Θ(22.5°)	-14.86/-18.77	-18.55/-18.13	-17.46/-16.67	-17.89/-16.55	-13.61/-10.18	-8.3/-6.1	-4.82/-3.83	-3.32/-3.43	-3.59/-4.02	-4.82/-6.54	-8.52/-9.97	-10.2/-11.08	-12.27/-14.1	-14.61/-13.52	-13.37/-11.93	-10.74/-9.22	-8.06/-6.97	-6.71/-6.34	-5.36/-4.18	-3.52/-3.24	-3.42/-3.82	-4.2/-4.58	-6.35/-9.05	-11.18/-13.04
Θ(30°)	-11.38/-13.34	-15.61/-16.87	-16.85/-17.84	-18.74/-18.86	-16.87/-17.89	-16.51/-13.17	-11.68/-9.75	-5.18/-4.98	-5.47/-6.07	-6.88/-8.44	-10.57/-10.85	-10.14/-10.33	-12.69/-16.45	-17.12/-18.28	-16.8/-11.9	-9.52/-8.89	-7.87/-7.42	-7.22/-7.01	-6.26/-5.79	-5.74/-5.84	-6.29/-6.77	-8.92/-8.62	-8.57/-10.11	-17.37/-11.65
Θ(37.5°)	-12.25/-12.75	-13.45/-14.44	-15.32/-16.35	-19.17/-18.18	-18.7/-17.62	-14.75/-11.95	-9.82/-7.74	-6.86/-6.36	-6.62/-7.32	-7.74/-8.61	-9.54/-9.91	-8.57/-8.55	-10.06/-11.38	-13.44/-16.68	-18.8/-13.79	-10.36/-8.33	-6.87/-6.97	-8.27/-10.14	-12.24/-14.51	-14.6/-12.8	-11.91/-11.81	-14.27/-16.01	-18.69/-16.57	-17.44/-13.94
Θ(45°)	-10.81/-11.55	-13.05/-10.52	-9.58/-10.44	-11.66/-13.35	-15.08/-18.18	-17.2/-18.29	-12.67/-10.58	-9.82/-9.77	-8.32/-8.36	-8.37/-8.01	-8.15/-7.62	-7.72/-8.81	-8.59/-8.86	-11.44/-15	-17.62/-19.07	-15.76/-13.11	-11.58/-11.74	-12.85/-13.83	-15.83/-16.49	-15.64/-14.77	-12.23/-11.03	-13.68/-18.53	-19.25/-16.32	-15.25/-12.48
Θ(52.5°)	-16.33/-15.01	-13.7/-12.57	-10.44/-11.7	-11.04/-12.42	-17.68/-18.47	-11.68/-8.49	-8.06/-10.54	-15.53/-13.26	-10.15/-9.84	-7.87/-8.05	-8.34/-9.48	-11.12/-13.25	-13.69/-15.51	-16.43/-19.05	-17.63/-16.17	-11.55/-16.1	-15.51/-17.55	-18.17/-15.6	-17.62/-17.98	-17.65/-17.42	-18.96/-17.59	-17.32/-15.02	-14.6/-15.05	



Radiated Composite Gain Data <6GHz U-NII5~UNII-8>

Appendix B

Θ(60°)	-2.82/-2.34	-2/-2.59	-3.11/-3.6	-4.03/-3.98	-3.65/-2.75	-1.04/-0.22	-0.04/0.2	0.05/0.84	-2.07/-2.72	-3.1/-3.06	-3.71/-4.4	-4.79/-5.85	-7.77/-9.96	-9.3/-7.02	-5.87/-4.61	-3.91/-4.7	-4.76/-3.47	-1.82/-1.38	-1.69/-1.57	-2.48/-2.42	-3.1/-3.31	-2.27/-1.87	-2.29/-2.36	-2.28/-2.36
Θ(67.5°)	-1.09/-1.74	-1.91/-2.34	-2.25/-1.93	-1.77/-2.47	-2.94/-2.1	-2.06/-2.21	-2.27/-2.13	-2.3/-1.65	-1.5/-9.1	-0.91/-1.61	-2.93/-3.8	-3.39/-3.9	-4.61/-9.65	-10.37/-8.56	-6.72/-4.39	-6.79/-6.75	-6.27/-6.67	-5.5/-5.36	-4.76/-3.35	-2.57/-3.12	-2.86/-4.57	-3.33/-7.3	-1.9/-1.15	-1.32/-1.37
Θ(75°)	-3.46/-2.68	-2.19/-2.3	-4/-2.8	-3.95/-2.78	-2.13/-1.67	-1.76/-1.61	-2.33/-2.65	-2.32/-1.18	-2.3/-2.18	-1.96/-2.2	-2.02/-2.78	-4/-5.61	-5.95/-6.89	-9.97/-8.06	-6.86/-6.95	-7.39/-6.77	-6.86/-6.95	-6.39/-6.3	-2.27/-2.13	-2.57/-2.76	-2.02/-3	-3.07/-2.02	-1.11/-1.76	-2.89/-3.61
Θ(82.5°)	-1.78/-1.84	-2.16/-2.47	-3.15/-2.18	-0.530/-3.2	0.3/-0.19	-1.18/-1.67	-1.84/-2.65	-2.98/-2.32	-2.56/-1.87	-1.78/-3.15	-3.82/-2.67	-3.12/-3.07	-5.62/-5.98	-6.25/-9.27	-6.01/-7.08	-8.61/-6.28	-8.15/-7.55	-7.29/-8.77	-6.51/-6.14	-4.41/-4.07	-3.22/-2.29	-3.37/-1.78	-1.84/-1.59	-2.21/-2.44
Θ(90°)	-2.77/-3.19	-2.21/-0.93	-0.87/-1.15	-1.25/-1.48	-1.05/-0.03	-0.71/-1.46	-1.84/-1.86	-2.66/-3.3	-6.1/-5.53	-5.63/-4.95	-3.69/-3.56	-5.11/-4.88	-5.9/-4.76	-5.34/-9.27	-8.61/-8.1	-6.17/-3.87	-4.78/-2.8	-2.42/-1.53	-0.77/-1.53	-0.820/-1.3	-1.75/-1.56	-3.45/-3.5	-1.52/-1.72	-2.27/-2.33
Θ(97.5°)	-4.76/-5	-4.67/-4.88	-5.2/-3.92	-1.72/-1.11	-1.12/-0.17	-1.64/-3.41	-4.33/-5.8	-6.49/-5.41	-4.84/-3.92	-5.38/-7.53	-4.29/-6.53	-5.53/-4.53	-7.14/-5	-6.23/-6.68	-6.74/-7.36	-4.29/-6.64	-6.73/-5.13	-3.69/-2.42	-1.51/-6.9	-0.450/-3.6	-0.76/-1.81	-3.19/-3.65	-2.76/-2.44	-6.16/-8.64
Θ(105°)	-5.66/-8.73	-6.6/-7.23	-5.87/-5.29	-3.24/-2.55	-4.82/-2.35	-3.41/-6.62	-8.51/-8.1	-6.38/-6.2	-7.23/-4.91	-6.72/-6.8	-10.42/-7.71	-7.87/-5.36	-7.76/-5.57	-8.55/-11.96	-11.17/-7.39	-4.6/-4.87	-4.86/-2.77	-0.710/-7.1	0.73/-0.28	0.220/0.99	0.84/0.55	-1.41/-3.25	-3.44/-2.81	-4.86/-6.52
Θ(112.5°)	-12.05/-8.74	-5.91/-4.17	-5.07/-6.66	-7.84/-3.48	-6.64/-6.7	-4.28/-5.43	-6.51/-5.64	-7.92/-11.07	-9.56/-8.89	-12.05/-10.95	-14.48/-12.3	-10.97/-9.67	-10.57/-6.04	-7.97/-11.5	-11.01/-9.55	-7.19/-5.29	-4.93/-1.68	-0.930/-16	0.17/-1.35	-0.23/-1.02	0.01/-0.11	-2.09/-3.47	-4.1/-4.35	-6.96/-14.11
Θ(120°)	-9.8/-9.18	-7.26/-4.12	-4.19/-2.59	-3.41/-3.78	-2.66/-7.18	-6.91/-5.14	-6.18/-7.43	-10.73/-9.78	-8.09/-13.82	-18.92/-19.18	-14.78/-16.65	-11.02/-9.35	-9.7/-9.26	-11.36/-12.12	-14.58/-13.25	-7.75/-8.3	-5.83/-7.2	-4.78/-1.54	-2.91/-3.35	-1.450/-0.7	-2/-4.83	-6.74/-11.45	-5.2/-3.63	-6.16/-8.64
Θ(127.5°)	-5.6/-6.79	-6.82/-4.53	-3.88/-3.33	-2.6/-4.47	-4.04/-2.97	-4.47/-6.2	-6.1/-7.93	-9.12/-9.71	-14.08/-17.48	-17.87/-13.61	-11.39/-11.03	-11.06/-13.31	-13.06/-10.34	-12.71/-7.33	-18.54/-13.81	-7.88/-6.96	-6.26/-8.11	-5.12/-3.05	-10.52/-13.57	-9.34/-7.09	-5.78/-6.16	-7.33/-8.21	-6.6/-6.09	-8.32/-7.24
Θ(135°)	-6.38/-7.6	-8.71/-7.92	-5.79/-4.89	-4.61/-3.28	-3.84/-4.66	-5.61/-7.01	-8.58/-9.07	-9.09/-10.64	-12.34/-11.8	-12.36/-13.62	-16.68/-14.49	-12.96/-17.97	-14.11/-9.83	-13.62/-18.94	-16.83/-15.63	-11.73/-7.98	-7.44/-15.73	-10.12/-4.74	-7.77/-12.31	-4.4/-3.4	-4.31/-2.47	-8.92/-9.19	-3.11/-1.4	-3.01/-6.21
Θ(142.5°)	-5.55/-5.98	-7.06/-7.39	-9.88/-9.86	-9.16/-8.77	-7.23/-6.29	-6.76/-7.2	-7.7/-8.83	-10.5/-12.11	-15.2/-16.67	-14.36/-15.23	-15.15/-15.57	-14.58/-13.23	-11.27/-11.46	-11.61/-7.88	-14.79/-11.42	-10.97/-10.28	-13.93/-9.49	-5.12/-4.74	-9.41/-8.24	-5.34/-2.71	-2.66/-3.12	-6.6/-15.84	-4.84/-4.49	-5.14/-6.96
Θ(150°)	-9.82/-7.74	-8.84/-9.47	-8.2/-9.7	-10.98/-10.3	-10.81/-11.02	-10.89/-11.91	-12.63/-12.2	-10.71/-8.83	-7.25/-7.32	-9.84/-14.59	-18.42/-17.74	-17.48/-15.61	-10.64/-12.07	-18.73/-19.01	-18.99/-18.45	-16.56/-16.35	-12.93/-8.9	-6.77/-7.28	-9.36/-7.61	-5.34/-4.68	-7.41/-9.77	-10.68/-10.03	-7.23/-6.67	-8.34/-11.11
Θ(157.5°)	-12.29/-11.35	-12.96/-16.03	-18.17/-15.63	-14.92/-16.52	-13.51/-11.79	-10.4/-9.39	-8.66/-8.59	-9.19/-10.09	-10.95/-12.54	-15.6/-13.97	-14.12/-17.94	-17.08/-11.11	-10.24/-11.48	-12.47/-13.71	-18.8/-18.72	-17.65/-18.98	-16.33/-16.78	-18.5/-16.14	-17.09/-14.66	-12.8/-10.9	-8.79/-8.05	-7.81/-9.2	-12.63/-14.71	-7.83/-12.91
Θ(165°)	-7.52/-7.24	-7.35/-7.85	-8.89/-6.63	-9.56/-10.19	-11.34/-10.96	-11.33/-11.29	-15.24/-17.22	-18.55/-17.74	-18.96/-18	-18.66/-18.15	-18.94/-19.19	-18.94/-15.42	-12.69/-12.14	-13.41/-14.68	-13.92/-13.16	-13.54/-15.15	-16.36/-15.92	-14.37/-13.44	-12.01/-10.12	-8.73/-8.11	-8.03/-7.99	-7.88/-8.69	-6.68/-9.54	-7.83/-7.29
Θ(172.5°)	-13.74/-14.7	-15.83/-17.39	-17.18/-17.51	-17.36/-15.43	-14.32/-14.03	-15.55/-15.15	-13.9/-13.41	-11.91/-10.37	-9.34/-9.03	-9.39/-10.21	-11.29/-13.12	-15.51/-18.08	-18.46/-18.39	-19.07/-14.58	-12.95/-12.48	-13.18/-13.94	-14.46/-14.57	-13.41/-12.52	-11.64/-10.94	-10.68/-10.74	-10.91/-11.43	-10.77/-10.42	-9.07/-8.87	-9.7/-11.96
Θ(180°)	-15.92/-15.84	-15.93/-15.14	-13.6/-13.71	-12.32/-10.76	-9.82/-9.85	-9.99/-9	-9.06/-9.41	-9.47/-9.81	-10.27/-11.15	-12.7/-14.61	-16.12/-17.88	-18.08/-18.4	-19.18/-18.7	-18.12/-16.29	-14.96/-13.88	-13.12/-12.31	-11.64/-11.16	-10.83/-10.72	-11.02/-11.11	-11.38/-11.38	-11.93/-12.08	-11.83/-11.55	-11.56/-12.42	-14.29/-16.43
Freq(Hz)	6.475GPol.	ThetaAnt. 6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	-18.67/-17.94	-17.74/-16.58	-17.22/-16.67	-17.29/-17.06	-18.76/-17.86	-18.04/-13.11	-17.84/-18.8	-19.02/-17.76	-18.77/-17.8	-18.93/-16.7	-15.82/-13.32	-16.3/-17.32	-17.03/-16.31	-15.47/-15.42	-15.86/-16.14	-16.82/-17.36	-17.84/-18.67	-18.26/-18.52	-18.41/-18.26	-19.16/-19.69	-18.98/-18.51	-18.12/-19.21	-19.02/-18.05	-17.58/-19.22
Θ(7.5°)	-17.86/-16.57	-13.32/-12.01	-12.74/-13.32	-14.57/-16.11	-16.96/-18.49	-18.42/-17.79	-17.81/-17.95	-16.71/-18.56	-17.79/-19.25	-16.56/-15.59	-14.23/-13.39	-14.02/-14.69	-15.65/-15.28	-15.73/-15.59	-15.63/-16.67	-18.95/-17.72	-16.36/-18.18	-18.98/-18.58	-19.01/-17.95	-17.94/-15.86	-18.61/-18.45	-18.75/-18.4	-18.63/-18.55	-18.24/-17.65
Θ(15°)	-12.24/-9.93	-8.48/-9.01	-10.06/-11.71	-14.44/-16.9	-17.29/-18.96	-18.35/-18.15	-18.07/-18.2	-18.35/-18.25	-17.85/-16.14	-14.2/-12.46	-12.39/-12.14	-12.03/-12.2	-12.69/-14.05	-15.09/-15.74	-16.26/-18.3	-18.13/-18.74	-18.91/-19.01	-19.09/-19.09	-18.76/-18.64	-18.01/-18.92	-18.71/-18.51	-18.45/-18.82	-17.98/-17.9	-17.65/-15.66
Θ(22.5°)	-14.02/-10.98	-9.39/-8.43	-9.72/-12.46	-13.87/-15.69	-16.47/-18.67	-17.64/-17.83	-17.55/-18.72	-18.25/-18.31	-18.53/-12.99	-10.64/-9.76	-9.76/-10.32	-10.59/-11.24	-13.12/-16.28	-19.11/-17.83	-18.47/-18.83	-17.69/-15.84	-14.48/-13.52	-14.45/-17.09	-18.15/-16.69	-17.97/-18.92	-18.18/-18.5	-18.41/-17.72	-18.98/-16.78	-18.98/-16.78
Θ(30°)	-13.02/-10.08	-8.3/-8.05	-13.62/-13.85	-12.17/-12.02	-12.81/-13.99	-16.47/-17.32	-17.89/-18.41	-18.01/-17.85	-16.55/-12.92	-10.9/-9.69	-8.82/-8.15	-10.29/-14.06	-18.23/-17.5	-18.62/-17.56	-18.97/-17.21	-16.21/-15.61	-14.89/-14	-13.95/-13.74	-17.34/-17.84	-19.17/-17	-17.11/-16.96	-19.37/-18.65	-16.74/-13.3	-16.74/-13.3
Θ(37.5°)	-12.9/-12.54	-9.51/-6.95	-7.37/-9.08	-9.47/-10.21	-11.44/-11.58	-12.19/-13.54	-15.11/-16.05	-16.29/-17.02	-16.38/-13.58	-11.02/-11.3	-12.02/-13.25	-17.5/-18.85	-15.87/-15.96	-18.24/-17.66	-18.48/-18.97	-17.45/-18.11	-16.49/-14.08	-13.21/-13.83	-15.15/-18.38	-17.32/-17.94	-18.4/-17.92	-17.5/-18.45	-18.16/-18.23	-18.37/-15.81
Θ(45°)	-11.52/-9.83	-10.06/-12.5	-12.16/-10.28	-10.84/-12.29	-14.25/-14.45	-14.91/-15.48	-15.92/-13.99	-12.45/-11.91	-12.96/-13.29	-13.24/-14.82	-13.65/-11.76	-13.59/-12.49	-12.28/-15.51	-19.15/-18.54	-18.19/-17.5	-17.55/-18.59	-17.74/-19.02	-15.79/-12.71	-13.19/-16.74	-17.89/-17.53	-18.19/-18.87	-17.85/-18.1	-18.84/-18.07	-15.5/-12.16
Θ(52.5°)	-10.81/-12.79	-11.41/-9.29	-9.64/-12.01	-13.84/-17.05	-18.09/-15.11	-13.36/-13.1	-16.87/-18.12	-16.14/-14.45	-13.63/-19.58	-17.13/-18.2	-12.86/-16.03	-15.25/-12.8	-11.96/-11.64	-12.38/-18.03	-15.25/-12.8	-11.96/-11.64	-12.38/-18.03	-16.83/-16.34	-17.78/-18.12	-18.33/-18.69	-18.21/-18.45	-18.91/-19.26	-15.54/-13.25	-12.31/-10.39
Θ(60°)	-14.57/-15.35	-15.19/-11.31	-11.02/-10.23	-9.92/-12.49	-18.93/-18.15	-18.32/-18.9	-18.73/-14.13	-11.45/-12.46	-14.74/-17.99	-18.3/-18.73	-18.24/-18.46	-15.24/-18.85	-16.52/-18.27	-18.63/-18.35	-18.97/-18.68	-18.09/-18.76	-18.61/-19.14	-18.21/-18.63	-18.75/-19.16	-18.49/-18.18	-18.72/-18.83	-18.93/-18.93	-15.48/-12.38	-13.79/-14.6
Θ(67.5°)	-15.34/-16.47	-16.51/-15.28	-13.5/-13.24	-12.48/-14.13	-16.2/-18.65	-16.56/-18.73	-19.01/-18.94	-18.26/-18.64	-16.5/-16.91	-19.03/-19.28	-17.99/-18.54	-17.81/-19	-18.47/-18.41	-17.22/-18.89	-18.21/-15.38	-11.51/-11.66	-14.67/-18.72	-17.91/-18.26	-18.28/-17.22	-17.89/-18.8	-18.33/-19.29	-18.74/-16.66	-15.38/-12.85	-12.51/-13.94
Θ(75°)	-16.56/-18.25	-18.94/-17.03	-16.36/-16.99	-17.7/-19.04	-18.9/-17.48	-17.86/-18.14	-18.52/-18.76	-19.01/-19.12	-18.29/-18.22	-18.26/-17.49	-17.78/-18.26	-19.12/-19.13	-17.55/-18.95	-18.14/-18.35	-18.61/-19.18	-18.11/-19.59	-18.68/-19.34	-19.21/-17.74	-18.53/-18.67	-18.25/-18.26	-18.54/-18.28	-18.47/-17.1	-16.59/-19.31	-17.83/-16.57
Θ(82.5°)	-18.17/-17.83	-18.17/-18.94	-18.52/-17.61	-17.8/-18.7	-19.24/-19.02	-18.6/-18.21	-18.5/-18.9	-17.4/-18.22	-18.44/-18.02	-18.32/-18.58	-18.71/-17.26	-18.48/-18.06	-17.71/-17.55	-16.03/-17.51	-17.76/-18.9	-19.47/-15.31	-16.57/-19.05	-18.64/-19.07	-17.8/-17.63	-17.32/-16.8	-19.09/-18.88	-16.55/-16.76	-18.08/-18.41	-16.75/-18.49
Θ(90°)	-19.01/-17.84	-18.84/-17.67	-19.6/-18.57	-18.85/-19.12	-18.25/-18.21	-19.02/-17.32	-17.31/-17.02	-18.6/-18.38	-18.89/-17.48	-18.68/-18.2	-17.72/-18.09	-18.04/-19.06	-18.45/-19.21	-18.57/-18.74	-15.92/-18.6	-18.46/-19.36	-18.45/-18.55	-18.76/-17.76	-19.58/-18.73	-17.36/-18.86	-18.22/-18.75	-17.76/-18.3	-18.85/-17.43	-18.84/-18.38
Θ(97.5°)	-18.68/-17.51	-17.67/-17.33	-18.82/-17.77	-18.84/-15.92	-15.11/-16.06	-15.24/-13.25	-12.73/-17.17	-17.82/-18.51	-19.2/-18.5	-18.07/-18.07	-18.41/-18.82	-19.02/-18.69	-19.44/-17.78	-18.71/-19.19	-18.53/-17.96	-18.79/-15.87	-17.38/-17.02	-16.84/-14.75	-15.97/-12.23	-15.08/-19.17	-18.33/-17.49	-17.6/-17.41	-19.31/-17.54	-18.98/-



Radiated Composite Gain Data <6GHz U-NII5~UNII-8>

Appendix B

Θ (112.5°)	-3.24/-6.72	-4.42/-6.35	-4.88/-6.44	-2.56/-3.93	-3.71/-2.64	-7.41/-6.06	-3.64/-5.39	-8.86/-6.33	-9.09/-15.9	-14.68/-15.33	-18.78/-14.78	-16.34/-11.06	-12.92/-9.73	-10.53/-17.59	-12.74/-8.37	-5.59/-3.37	-3.38/-1.69	-0.07/1.65	0.76/-0.67	-0.07/0.17	-0.89/-1.21	-3.98/-6.18	-4.16/-2.71	-4.22/-6.41	
Θ (120°)	-6.43/-6.94	-5.03/-4.31	-3.25/-5	-4.16/-3.44	-6.58/-3.21	-2.03/-3.22	-6.31/-9.74	-7.72/-7.36	-15.11/-11.09	-14.12/-16.99	-18.33/-16.73	-15.88/-8.52	-10.43/-9.58	-17.82/-17.26	-15.08/-18.35	-10.67/-7.42	-4.52/-3.05	-2.24/-2.49	-3.73/-5.38	-7.15/-6.82	-12.65/-8.57	-11.09/-8.45	-5.43/-4.23	-5.33/-8.58	
Θ (127.5°)	-8.43/-5.69	-7.92/-6.78	-6.83/-5.1	-7.97/-3.95	-3.63/-5.36	-2.58/-4.1	-5.5/-5.1	-6.56/-11.53	-9.92/-10.47	-15.32/-12.23	-16.32/-18.85	-18.4/-11.96	-14.01/-10.88	-12.43/-18.85	-14.29/-12.31	-8.56/-10.72	-13.61/-8.91	-7.09/-2.44	-5.21/-5.53	-2.59/-7.96	-16.54/-12.31	-6.49/-8.11	-6.49/-8.61	-7.07/-11.4	
Θ (135°)	-6.81/-6.8	-6.43/-7.18	-5.64/-6.28	-5.8/-9.06	-6.7/-4.42	-4.8/-4.09	-3.71/-4.49	-7.04/-9.21	-12.2/-19.08	-18.32/-13.26	-10.29/-12.76	-16.61/-17.23	-14.2/-7.6	-7.78/-17.17	-16.69/-10.55	-8.65/-9.12	-6.98/-15.68	-10.24/-2.62	-11.9/-18.1	-7.22/-8.93	-5.21/-8.64	-11.74/-6.52	-2.12/-2.74	-6.24/-7	
Θ (142.5°)	-4.48/-4.08	-3.97/-4.82	-4.31/-3.1	-3.65/-3.63	-6.38/-10.12	-10.92/-8.71	-7.47/-6.37	-5.32/-6.16	-8.14/-9.55	-13.32/-18.73	-17.97/-14.52	-18.5/-12.51	-17.91/-11.14	-8.78/-11.73	-19.02/-17.29	-9.86/-8.24	-11.46/-11.37	-7.42/-4.56	-10.43/-17.08	-5.33/-3.11	-4.86/-4.36	-10.5/-11.7	-6.82/-3.95	-4.66/-16.7	
Θ (150°)	-14.02/-11.29	-12.3/-9.69	-11.13/-13.49	-13.32/-12.43	-8.85/-7.12	-7.09/-6.84	-7/-8.84	-11.15/-12.97	-12.85/-12.13	-10.87/-12.81	-18.69/-17.36	-13.22/-17.47	-14.39/-16.54	-14.89/-12.03	-13.44/-17.76	-16.86/-18.29	-18.66/-12.37	-5.21/-5.87	-12.85/-15.89	-16.45/-12.31	-9.57/-7.56	-9.49/-10.73	-6.84/-8.21	-9.71/-11.4	
Θ (157.5°)	-13.45/-14.74	-17.27/-16.34	-11.87/-10.39	-11.78/-14.67	-19.03/-18.84	-17.59/-15.69	-14.9/-13.68	-12.06/-9.76	-7.6/-7.37	-8.62/-9.31	-10.32/-13.94	-17.77/-17.21	-15.82/-17.87	-13.6/-10.61	-11.38/-14.24	-18.41/-19.35	-19.17/-18.26	-14.63/-11.86	-10.59/-9.58	-8.93/-8.16	-6.95/-5.62	-5.56/-5.84	-6.72/-9.06	-10.56/-12.32	
Θ (165°)	-9.11/-10.03	-9.64/-9.39	-9.59/-8.76	-7.49/-6.8	-6.92/-8.99	-11.2/-10.83	-10.18/-10.06	-9.82/-10.67	-14.4/-18.03	-16.26/-12.42	-11.11/-11.77	-12.61/-16.99	-18.88/-17.08	-16.41/-18.94	-17.04/-11.11	-8.88/-9.38	-11.45/-13.87	-16.78/-19.08	-18.13/-17.06	-15.78/-16.16	-12.25/-10	-9.21/-8.57	-7.88/-7.77	-7.85/-7.51	
Θ (172.5°)	-9.78/-9.3	-9.63/-11.58	-12.85/-13.72	-13.6/-16.76	-18.77/-19.24	-18.3/-17.75	-17.37/-19.04	-14.26/-13.09	-12.33/-12.06	-12.08/-13.01	-14.68/-17.67	-18.7/-18.03	-13.57/-10.57	-8.66/-7.2	-6.57/-6.53	-7.21/-8.24	-9.27/-9.82	-9.77/-10.26	-10.93/-12.01	-13.71/-15.77	-15.83/-12.84	-10.09/-9.05	-9.26/-9.02	-8.91/-9.72	
Θ (180°)	-9.78/-9.09	-9.27/-9.06	-8.02/-7.3	-6.59/-6.36	-7.12/-8.23	-8.79/-10.15	-11.52/-11.35	-11.51/-12.18	-13.25/-14.17	-16.5/-19.29	-17.05/-15.18	-12.93/-11.3	-10.16/-9.38	-9.12/-9.22	-9.52/-9.77	-10.49/-10.98	-11.45/-11.85	-12.11/-12.28	-12.86/-13.87	-15.55/-17.29	-17.32/-15.24	-14.36/-13.3	-13.08/-11.71	-10.86/-10.43	
Freq(Hz)	6.995GPol.	Theta/Ant. 6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)	
Θ (0°)	-14.12/-14.28	-15.35/-17.81	-17.88/-17.84	-18.79/-19.08	-17.4/-18.01	-16.35/-13.63	-12.33/-11.36	-10.56/-10.88	-11.53/-13.01	-13.97/-14.07	-13.09/-12.71	-12.87/-14.35	-15.02/-16.16	-16.55/-17.78	-15.85/-15.22	-14/-12.98	-12.58/-12.28	-12.28/-12.65	-12.56/-12.28	-11.45/-10.78	-10.94/-11.08	-12.28/-12.86	-12.69/-11.17	-11.21/-12.57	
Θ (7.5°)	-14.13/-13.26	-17.66/-18.59	-18.02/-17.74	-18.61/-19.85	-17.78/-18.97	-18.1/-17.9	-15.49/-14.19	-12.25/-10.89	-10.3/-11.42	-12.3/-13.83	-13.51/-14.05	-13.11/-13.9	-16.85/-19.01	-18.46/-18.48	-18.05/-17.75	-17.64/-18.63	-18.92/-17.06	-17.84/-19.06	-17.83/-16.44	-14.36/-13.35	-12.98/-12.97	-14.51/-15.7	-16.01/-14.36	-14.3/-14.91	
Θ (15°)	-10.39/-11.38	-13.58/-13.08	-13.79/-13.94	-15.17/-17.56	-18.01/-18.46	-18/-19.09	-18.01/-18.54	-18.22/-19.04	-17.52/-16.11	-14.81/-15.26	-17.62/-18.34	-16.83/-16.7	-16.36/-18.62	-16.73/-15.93	-16.2/-16.7	-16.85/-16.51	-15.1/-15.25	-15.53/-16.09	-16.52/-17.02	-16.32/-15.25	-16.16/-16.37	-18.9/-16.41	-13.51/-11.23		
Θ (22.5°)	-12.63/-12.68	-12.12/-12.36	-10.95/-10.3	-11.33/-11.69	-12.6/-14.67	-18.18/-18.47	-17.26/-16.22	-14.95/-13.92	-12.74/-13.89	-16.79/-17.27	-18.32/-17.1	-15.47/-12.59	-13.53/-15.44	-16.8/-17.93	-17.64/-15.82	-14.51/-14.59	-16.6/-19.04	-18.54/-17.9	-16.39/-17.67	-16.83/-16.46	-16.41/-17.13	-18.19/-16.96	-14.54/-12.94	-11.92/-12.41	
Θ (30°)	-14.74/-15.07	-12.94/-12.94	-13.65/-11.32	-9.73/-9.85	-11.21/-12.55	-15.63/-19.19	-18.64/-17.58	-18.65/-17.86	-17.55/-16.47	-17.99/-18.16	-17.96/-18.85	-17.57/-15.3	-15.57/-18.49	-18.99/-17.41	-16.56/-14.31	-11.93/-11.17	-11.6/-13.77	-18.2/-18.76	-17.38/-18.07	-19.23/-17.97	-15.87/-12.37	-11.87/-12.13	-16.24/-17.29	-16.42/-14.67	
Θ (37.5°)	-15.51/-13.48	-12.33/-12.05	-10.23/-9.4	-9.39/-11.87	-15.15/-18.7	-18.24/-18.02	-18.51/-18.78	-17.46/-15.88	-14.74/-13.66	-12.92/-13.47	-14.99/-15.85	-18.09/-18.16	-17.39/-14.25	-11.61/-12.7	-15.61/-15.87	-14.43/-13.38	-11.91/-11.04	-13.65/-17.17	-18.25/-18.92	-18.89/-18.23	-17.91/-17.58	-18.91/-18.53	-18.95/-18.67	-18.32/-18.85	
Θ (45°)	-15.23/-12.3	-8.9/-8.4	-10.54/-10.62	-10.64/-13.21	-14.33/-16.39	-19.31/-18.69	-18.41/-17.33	-18.26/-15.54	-13.41/-11.37	-11.2/-12.94	-19.06/-18.74	-17.92/-15.39	-14.87/-15.47	-16.18/-16.74	-14.13/-14.36	-12.63/-13.33	-14.75/-18.38	-18.83/-14.73	-13/-13.21	-12.09/-14.36	-13.69/-17.1	-18.89/-17.92	-18.07/-18.97		
Θ (52.5°)	-13.04/-10.17	-8.81/-7.93	-9.21/-10.39	-9.05/-9.97	-12.24/-16.26	-18.01/-18.84	-19.03/-16.65	-15.62/-15.46	-13.81/-13.11	-16.05/-18.18	-18.97/-17.83	-17.77/-17.81	-17.57/-14.62	-12.9/-13	-15.35/-17.47	-18.98/-18.24	-17.13/-18.46	-17.58/-18.19	-16.76/-11.31	-10.9/-10.04	-10.36/-12.2	-16.35/-19.24	-17.93/-17.46	-16.08/-13.62	
Θ (60°)	-12.4/-7.49	-5.67/-4.86	-5.94/-5.15	-9.11/-9.66	-12/-16.08	-17.55/-16.39	-16.14/-18.87	-18.98/-14.37	-11.59/-11.54	-18.28/-17.61	-18.84/-17.13	-12.98/-12.85	-12.11/-11.53	-11.43/-12.13	-11.85/-14.0	-13.37/-13.81	-14.27/-19.71	-17.83/-18.72	-19.44/-17.86	-17.36/-15.54	-13.37/-17.88	-18.37/-17.53	-17.04/-17.62	-15.34/-16.11	
Θ (67.5°)	-14.9/-10.24	-9.04/-8.02	-9.65/-14.29	-14.67/-14.72	-14.11/-17.99	-18.2/-18.52	-17.63/-18.4	-18.45/-18.33	-15.15/-14.1	-17.07/-18.81	-18.47/-18.21	-14.58/-15.19	-14.49/-17.2	-15.18/-15.15	-15.15/-18.27	-18.73/-17.53	-18.17/-17.58	-18.86/-18.29	-15.72/-18.97	-17.04/-18.48	-18.65/-17.79	-18.52/-17.67	-18.59/-16.54		
Θ (75°)	-15.23/-10.24	-11.61/-10.74	-12.67/-17.64	-12.8/-11.8	-15.31/-18.94	-17.89/-17.39	-18.61/-17.78	-18.18/-17.16	-19.08/-17.99	-18.37/-17.39	-18.12/-18.62	-13.82/-13.7	-13.12/-12.63	-9.85/-11.36	-9.6/-9.7	-8.94/-9.84	-15.63/-16.67	-18.13/-18.48	-18.18/-18.26	-14.28/-14.13	-17.07/-16.29	-18.27/-17.04	-18.37/-18.15	-17.14/-18.22	
Θ (82.5°)	-11.05/-8.1	-10.4/-10.35	-16.1/-18	-17.03/-18.22	-18.25/-15.49	-18.36/-18.93	-17.96/-18.31	-18.22/-18.7	-17.29/-19.03	-17.68/-18.3	-18.82/-18.74	-17.4/-15.04	-16.48/-14.08	-14.78/-14.25	-14.19/-16.92	-14.42/-13.79	-17.44/-17.88	-17.91/-18.69	-18.45/-18.5	-15.63/-15.46	-15.48/-18.75	-18.76/-18.47	-18.45/-19.29	-18.63/-12.83	
Θ (90°)	-18.3/-18.97	-17.51/-14.81	-16.42/-16.44	-14.62/-15.28	-13.04/-12.67	-14.58/-16.61	-19.29/-19.27	-18.29/-18.26	-17.88/-15.42	-14.21/-17.82	-18.61/-17.83	-18.07/-15.25	-17.07/-17.58	-17.28/-18.42	-17.96/-13.79	-11.99/-11.37	-13.29/-18.56	-17.59/-18.05	-17.64/-16.38	-17.76/-15.19	-18.56/-17.76	-18.72/-16.48	-14.19/-12.97	-14.38/-18.25	
Θ (97.5°)	-18.76/-17.92	-18.29/-15.69	-15.44/-14.14	-14.1/-15.91	-13.41/-17.09	-17.45/-18.21	-17.97/-18.89	-18.56/-17.68	-19.08/-18.54	-18.88/-18.35	-17.61/-16.06	-17.09/-15.19	-16.18/-19.17	-17.76/-16.48	-13.66/-11.01	-14.2/-21.42	-19.07/-18.36	-13.94/-13.68	-13.33/-14.41	-16.72/-18.77	-19.12/-19.27	-18.42/-16.43	-17.94/-18.33		
Θ (105°)	-18.63/-18.46	-13.71/-11.56	-16.73/-18.39	-14.87/-13.26	-13.48/-15.24	-17.25/-16.1	-15.76/-17.08	-15.42/-18.54	-18.76/-17.61	-18.86/-18.69	-18.54/-18.73	-16.23/-19.33	-14.74/-17.52	-15.61/-18	-15.62/-18.24	-17.91/-15.03	-17.87/-19.28	-18.58/-17.51	-14.62/-15.51	-16.31/-18.82	-19.01/-18.69	-18.55/-15.81	-17.15/-13.18	-10.62/-18.21	
Θ (112.5°)	-17.75/-17.07	-17.08/-17.96	-16.76/-15.31	-15.08/-12.58	-13.77/-14.69	-14.33/-15.11	-17.74/-17.66	-17.43/-16.31	-18.69/-16.66	-18.41/-17.49	-14.23/-18.52	-17.38/-19.47	-17.11/-19.09	-15.3/-18.1	-18.76/-18.74	-18.34/-15.43	-15.42/-14.94	-14.33/-13.89	-11.24/-11.13	-15.73/-16.65	-17.41/-16.97	-16.95/-18.15	-16.81/-18.32	-18.38/-18.22	
Θ (120°)	-18.99/-13.51	-18.46/-15.95	-11.5/-9.62	-16.67/-10.14	-14.61/-15.14	-18.61/-19.23	-18.72/-17.74	-17.34/-15.01	-17.35/-14.22	-16.32/-16.1	-18.41/-19.13	-18.62/-16.97	-17.88/-15.44	-17.67/-17.83	-18.43/-18.87	-13.13/-17.92	-18.49/-12.45	-16.78/-15.62	-12.04/-19.5	-19.45/-18.39	-18.58/-18.65	-18.36/-18.16	-17.99/-18.32	-15.65/-15.66	
Θ (127.5°)	-18.71/-17.8	-13.82/-15.3	-8.87/-9.12	-9.69/-12.14	-12/-17.73	-18.05/-17.62	-19.02/-17.72	-18.46/-19.49	-17.85/-17.66	-18.05/-14.58	-18.3/-16.12	-18.74/-19.12	-16.6/-17.46	-18.75/-18.07	-19.09/-14.17	-15.73/-16.83	-10.52/-18.49	-11.4/-11.87	-18.99/-17.42	-18.6/-16.26	-18.37/-19.06	-19/-17.25	-18.02/-16.11	-16.02/-14.89	
Θ (135°)	-17.38/-16.89	-13.89/-9.2	-7.95/-8.91	-12.45/-16.52	-17.63/-17.61	-19.12/-17.71	-16.51/-15.59	-16.32/-18.76	-19.21/-18.75	-15.9/-17.82	-17.55/-18.68	-18.8/-18.07	-18.47/-17.82	-16.67/-18.48	-14.07/-15.67	-11.45/-18.45	-13.09/-16.23	-17.15/-8.45	-12.91/-18.81	-13/-13.96	-15.51/-18.26	-15/-16.97	-19.28/-14.58	-15.96/-16.68	
Θ (142.5°)	-17.25/-12.67	-13.52/-12.95	-11.66/-14.19	-16.54/-17.95	-14.48/-12.12	-17.35/-17.74	-14.48/-12.12	-16.51/-16.42	-18.45/-18.94	-17.34/-19.04	-16.8/-18.2	-13.72/-10.68	-18.09/-13.67	-17.71/-13	-13.74/-18.84	-12.98/-16.98	-11.7/-10.8	-13.81/-11.98	-5.72/-9.54	-17.57/-17.95	-18.42/-16.62	-16.96/-17.87	-12.57/-15.34	-18.21/-14.23	-11.11/-16.72
Θ (150°)	-15.19/-15.67	-15.23/-17.38	-18.74/-18.92	-17.76/-18.1	-19.47/-14.33	-12.76/-12.86	-13																		



Radiated Composite Gain Data <6GHz U-NII5~UNII-8>

Appendix B

Θ (157.5°)	-14.61/-16.26	-14.44/-17.58	-17.24/-9.7	-6.86/-7.66	-8.69/-7.53	-6.41/-6.99	-7.33/-7.93	-9.28/-9.75	-7.48/-4.93	-3.85/-3.94	-4.86/-6.06	-7.8/-11.67	-17.85/-16.17	-13.99/-13.41	-13.68/-12.33	-11.7/-15	-18.41/-15.51	-12.16/-6.44	-2.73/-1.99	-3.12/-5.88	-12.16/-18.24	-17.8/-14.86	-12.52/-11.93	-13.75/-17.27
Θ (165°)	-18.67/-17.25	-17.25/-14.13	-11.72/-12.2	-12.42/-8.9	-6.07/-4.86	-5.54/-6.73	-7.6/-8.91	-11.05/-11.84	-11.13/-9.96	-8.48/-7.69	-6.88/-7.1	-7.86/-9.11	-10.95/-14.54	-17.77/-18.09	-17.99/-18.89	-18.54/-17.88	-13.65/-8.04	-5.8/-3.03	-4.88/-5.88	-17.7/-8.51	-11.01/-13.79	-13.82/-14.03	-16.41/-18.02	-18.34/-17.99
Θ (172.5°)	-18.53/-19.3	-17.54/-17.75	-18.83/-14.96	-13.31/-11.31	-10.25/-9.98	-9.85/-10.01	-10.9/-9.9	-9.56/-9.08	-9.29/-9.94	-12.51/-12.72	-12.88/-14.39	-10.17/-19.3	-15.92/-17.85	-18.42/-17.15	-13.29/-14.46	-16.65/-17.21	-11.92/-10.06	-12.86/-10.21	-11.83/-10.1	-9.83/-10.12	-11.61/-15.06	-17.72/-16.56	-15.01/-14.49	-13.88/-15.69
Θ (180°)	-18.34/-17.74	-14.28/-14.01	-12.29/-11.09	-9.53/-8.74	-8.05/-7.33	-6.99/-6.88	-7.48/-8.34	-8.49/-8.89	-9.44/-10.21	-11.1/-12.25	-13.58/-15.05	-18.29/-17.8	-17.91/-19.38	-17.32/-14.7	-14.11/-16.56	-14.79/-10.86	-8.82/-7.73	-7.94/-8.58	-9.08/-9.4	-8.52/-12.76	-15.94/-17.54	-18.99/-18.85	-18.08/-17.78	-19.12/-19.3
Freq(Hz)	6.475GPol.	ThetaAnt. 7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)Φ(7.5°)	Φ(15°)Φ(22.5°)	Φ(30°)Φ(37.5°)	Φ(45°)Φ(52.5°)	Φ(60°)Φ(67.5°)	Φ(75°)Φ(82.5°)	Φ(90°)Φ(97.5°)	Φ(105°)Φ(112.5°)	Φ(120°)Φ(127.5°)	Φ(135°)Φ(142.5°)	Φ(150°)Φ(157.5°)	Φ(165°)Φ(172.5°)	Φ(180°)Φ(187.5°)	Φ(195°)Φ(202.5°)	Φ(210°)Φ(217.5°)	Φ(225°)Φ(232.5°)	Φ(240°)Φ(247.5°)	Φ(255°)Φ(262.5°)	Φ(270°)Φ(277.5°)	Φ(285°)Φ(292.5°)	Φ(300°)Φ(307.5°)	Φ(315°)Φ(322.5°)	Φ(330°)Φ(337.5°)	Φ(345°)Φ(352.5°)
Θ (0°)	-18.39/-16.24	-14.33/-14.22	-13.04/-12.98	-12.9/-13.29	-14.77/-15.14	-15.36/-15.37	-15.05/-15.52	-15.62/-17.21	-16.49/-17.93	-19.19/-17.63	-17.49/-18.64	-16.9/-15.64	-13.93/-12.71	-11.39/-10.65	-10.77/-10.73	-11.64/-11.9	-12.6/-14.03	-14.94/-15.93	-16.79/-17.31	-17.55/-18.62	-17.6/-18.89	-19.29/-18.73	-18.03/-17.65	-18.37/-18.29
Θ (7.5°)	-13.57/-13.55	-14.42/-14.11	-13.26/-14.93	-16.02/-15.75	-17.66/-18	-17.98/-17.22	-16.44/-15.18	-16.44/-16.93	-18.09/-17.73	-18.64/-18.81	-19.21/-17.37	-17.01/-16.88	-19.1/-18.13	-18.59/-19.25	-18.68/-18.86	-19.59/-17.99	-18.62/-19.58	-17.57/-16	-14.46/-12.48	-12.66/-14.38	-17.12/-18.53	-18.41/-19.63	-19.05/-18.09	-16.79/-14.48
Θ (15°)	-15.17/-17.31	-16.18/-15.78	-16.2/-17.12	-19.55/-19	-17.73/-18.55	-17.31/-18.48	-15.7/-15.59	-17.41/-16.81	-14.75/-13.54	-13.33/-13.92	-13.84/-14.03	-14.46/-14.71	-14.4/-14.06	-13.92/-14.3	-13.66/-12.52	-12.13/-12.51	-14.06/-16.66	-17.78/-18.57	-18.38/-18.18	-18.34/-16.62	-17.13/-16.73	-15.63/-14.27	-12.13/-13.21	
Θ (22.5°)	-10.42/-11.33	-12.46/-18.06	-15.93/-13.64	-11.36/-10.95	-12.59/-13.86	-14.9/-18.04	-18.57/-19.17	-18.18/-18.33	-14.92/-12.14	-11.92/-12.98	-14.04/-13.92	-12.98/-14.78	-18.89/-18.21	-18.44/-15.6	-15.72/-14.82	-13.05/-13.03	-14.28/-15.75	-17.19/-18.98	-17.84/-16.12	-17.44/-18.29	-17.08/-14.82	-18.52/-18.49	-15.54/-13.12	-12.76/-11.1
Θ (30°)	-13.27/-12.38	-11.81/-12.5	-12.82/-11.23	-9.9/-12.41	-16.54/-18.06	-18.43/-18.63	-18.82/-19.26	-18.05/-15.1	-12.05/-10.33	-11.36/-14.26	-17.39/-18.63	-14.22/-12.91	-12.92/-13.9	-14.85/-14.07	-13.14/-15.64	-18.78/-15.92	-14.22/-13.26	-12.78/-14.54	-16.67/-18.95	-19.2/-16.69	-14.52/-14.97	-17.86/-13.59	-11.91/-14.95	-13.79/-13.23
Θ (37.5°)	-18.53/-19.24	-15.86/-13.19	-10.64/-11.71	-16.34/-18.15	-18.76/-18.31	-18.09/-18.3	-17.84/-15.26	-10.59/-10.45	-11.69/-12.03	-11.34/-11.05	-12.16/-10.99	-9.18/-11.94	-10.81/-14.28	-9.7/-9.65	-10.36/-14.44	-17.79/-18.58	-18.1/-15.85	-8.46/-7.15	-15.65/-16.96	-11.83/-8.14	-12.92/-19.15	-12.36/-10.84	-17.61/-18.05	
Θ (45°)	-18.25/-18.37	-17.91/-17.66	-17.94/-19.18	-19.03/-17.37	-18.27/-17.25	-19.06/-17.77	-14.26/-11.84	-13.9/-14.19	-8.58/-7.07	-10.29/-10.06	-7.86/-8.65	-7.68/-8.57	-8.64/-11.2	-8.99/-8.82	-12.21/-18.08	-16.81/-16.42	-15.39/-13.24	-8.16/-7.33	-13.02/-12.33	-8.81/-8.33	-14.06/-14.43	-15.95/-18.47	-17.23/-15.28	-16.38/-16.78
Θ (52.5°)	-14.36/-14.64	-16.68/-18.23	-17.01/-18.37	-16.3/-17.93	-16.87/-12.42	-15.69/-19.6	-12/-11.84	-11.7/-12.48	-11.34/-8.6	-10.93/-10.03	-4.27/-4.08	-3.62/-2.87	-5.81/-4.6	-2.88/-4.05	-6.4/-1.8	-7.23/-6.23	-8.18/-11.59	-9.03/-8.44	-7.78/-11.61	-18.78/-12.19	-11.76/-11.58	-11.81/-18.75	-11.77/-14.5	-18.08/-14.25
Θ (60°)	-14.16/-17.16	-18.92/-19.02	-18.3/-17.33	-12.37/-16.51	-18.39/-14.36	-17.93/-18.78	-14.03/-11.42	-14.08/-15.97	-13.67/-9.19	-6.72/-6.45	-5.93/-5.04	-8.44/-4.15	-5.03/-6.14	-2.15/-1.31	-2.3/-2.35	-4.13/-4.37	-6.86/-7.27	-4.66/-9.25	-11.01/-18.89	-18.70/-13.5	-13.78/-15.08	-18.54/-14.99	-11.85/-12.5	
Θ (67.5°)	-19.02/-13.27	-13.27/-15.6	-17.2/-17.5	-18.86/-17.09	-11.61/-13.68	-13/-13.64	-18.6/-9.9	-7.87/-11.14	-12.46/-8.92	-6.63/-6.36	-4.8/-2.01	-2.64/-2.8	-2.84/-4.19	-2.89/-1.65	-1.73/-2.97	-6.49/-6.02	-5.08/-4.76	-5.55/-15.15	-10.2/-10.52	-8.83/-14.69	-10.11/-12.72	-16.03/-15.39	-10.38/-11.59	-16.69/-17.93
Θ (75°)	-18.78/-18.37	-17.11/-17.92	-18.79/-19.38	-14.5/-15.07	-14.83/-14.66	-19.21/-16.24	-11.98/-14.88	-15.76/-8.7	-5.89/-8.14	-6.4/-3.55	-2.81/-1.75	-1.78/-1.77	-2/-4.23	-1.79/-0.06	-0.1/-1.71	-4.29/-3.31	-3.71/-3.39	-4.47/-13.73	-7.79/-7.3	-10.67/-17.45	-10.96/-12.9	-17.01/-13.45	-17.76/-11.18	-13.27/-14.66
Θ (82.5°)	-17.74/-18.27	-17.75/-17.86	-19.31/-19.06	-16.82/-16.44	-11.34/-10.32	-15.85/-10.94	-11.1/-15.69	-7.14/-9.36	-5.41/-6.42	-8.2/-3.32	-2.48/-2.49	-0.54/-1.94	-0.55/-0.92	-0.71/-1.5	-6.25/-7.44	-2.78/-2.55	-3.66/-13.74	-5.11/-2.67	-5.35/-11.45	-8.74/-10.55	-7.01/-17.88	-11.21/-18.59	-18.51/-16.1	
Θ (90°)	-17.7/-16.82	-18.53/-15.59	-18/-10.87	-10.81/-17.02	-17.96/-11.12	-14.61/-17.37	-12.98/-10.11	-10.76/-16.26	-7.4/-8.15	-7.45/-2.04	-1.55/-2.17	-1.66/-1.99	0.530/-0.6	1.840/-1.3	1.491/-3.7	-5.81/-5.71	-2.12/-1.14	-0.34/-6.88	-7.93/-3.84	-1.9/-10.28	-6.34/-10.3	-11.32/-6.64	-17.59/-9.61	-7.55/-11.48
Θ (97.5°)	-15.97/-8.94	-12.61/-10.04	-18.97/-18.13	-17.01/-18.32	-13.78/-14.43	-18.61/-13.01	-7.37/-8.48	-11.64/-11.25	-5.64/-7.2	0.220/-0.63	1.810/-0.4	1.15/-1.6	0.690	-5.45/-4.62	-0.620/-0.4	-1.38/-6.63	-3.36/-2.37	-3.54/-3.45	-8.18/-8.59	-7.66/-8.37	-16.76/-11.14	-13.29/-18.9		
Θ (105°)	-18.31/-11.29	-15.09/-17.35	-16.91/-14.28	-19.25/-18.55	-13.45/-13.73	-15.36/-17.64	-9.37/-11.02	-12.98/-11.12	-6.74/-13.86	-3.62/-1.94	-0.81/-10.3	-0.68/-3.44	-1.92/-3.63	-1.55/-2.33	-6.27/-6.17	-3.26/-2.3	-7.72/-10.78	-1.780/-5	-7.65/-6.65	-4.06/-14.87	-13.46/-4.61	-5.21/-12.26	-17.6/-14.74	
Θ (112.5°)	-18.39/-15.43	-14.26/-17.9	-18.74/-15.68	-12.2/-17.62	-18.94/-18.49	-15.08/-9.79	-8.4/-13.6	-9.77/-7.26	-7.57/-7.75	-7.2/-7.24	-7.94/-5.48	-4.94/-3.69	-1.71/-1.97	-0.5/-0.93	-0.32/-2.39	-8.28/-5.29	-2.61/-1.37	-5.3/-6.37	-2.04/-1.17	-6.41/-11.3	-5.85/-10.67	-17.94/-12.6	-13.69/-12.9	-12.15/-15.99
Θ (120°)	-16.85/-18.04	-17.45/-17.61	-18.11/-17.9	-18.87/-19.05	-14.24/-18.88	-10.41/-14.03	-15.21/-10.68	-13.1/-15.25	-13.01/-13.69	-12.24/-11.92	-9.84/-8.02	-9.2/-7.13	-6.27/-3.36	-1.62/-1.26	0.39/-0.2	-2.19/-2.63	-4.1/-1.47	-8.1/-14.66	-3.69/-7.9	-5.36/-16.07	-5.75/-11.75	-17.63/-12.18	-12.68/-10.7	-10.14/-63
Θ (127.5°)	-14.91/-18.97	-18.34/-17.16	-18.45/-16.21	-15.87/-17.54	-19.2/-18.69	-15.53/-18.46	-11.24/-12.88	-17.25/-9.45	-6.83/-17.78	-6.11/-4.63	-5.48/-2.79	-1.91/-1.24	-0.85/-1.44	-2.78/-3.48	-4.77/-9.19	-11.95/-8.62	-5.55/-2.68	-17.15/-12.72	-8.22/-17.67	-14.94/-12.33	-13.68/-16.74	-9.38/-11.58	-8.05/-11.88	
Θ (135°)	-13.39/-18.31	-16.44/-13.41	-14.5/-17.31	-18.02/-14.32	-13.34/-13.77	-13.84/-14.84	-13.79/-11.53	-10.74/-9.75	-6.56/-4.93	-4.35/-3.3	-2.59/-2.27	-1.69/-2.64	-4.37/-3.63	-2.07/-1.67	-1.11/-0.61	-2.74/-5.71	-8.14/-15.35	-13.54/-6.13	-5.6/-4.9	-7.44/-15.8	-9.23/-12.76	-17.09/-9.1	-11.89/-18.02	-16.82/-12.43
Θ (142.5°)	-17.22/-17.9	-17.5/-17.73	-18.47/-17.85	-17.72/-18.14	-19.43/-18.05	-15.5/-13.18	-14.22/-14.07	-12.91/-10.73	-7.03/-4.62	-4.04/-3.22	-1.74/-0.8	-0.66/-2.09	-4.13/-4.47	-3.11/-2.08	-1.12/-1.7	-7.13/-9.03	-7.69/-6.37	-8.92/-6.02	-11.3/-17.87	-18.87/-15.34	-18.09/-17.93	-15.28/-11.14	-10.89/-12.88	
Θ (150°)	-11.74/-11.67	-12.28/-13.18	-16.63/-16.49	-14.59/-14.17	-17.71/-17.78	-17.73/-14.95	-15.87/-15.65	-13.08/-10.73	-7.32/-4.99	-2.85/-2.62	-2.45/-2.67	-3.41/-3.95	-4.05/-4.02	-4.81/-6.21	-9.31/-12.55	-13.83/-13.23	-6.96/-4.91	-9.22/-18.08	-13.58/-10.47	-10.55/-13.56	-14.94/-12.33	-8.6/-8.64	-10.15/-10.71	
Θ (157.5°)	-18.89/-18.02	-14.8/-12.26	-11.07/-12.62	-15.03/-14.43	-13.7/-17.27	-17.79/-18.8	-18.01/-17.92	-17.71/-18.02	-15.01/-9.48	-5.92/-3.96	-3.03/-2.98	-3.74/-5.29	-7.2/-8.3	-7.73/-6.68	-6.72/-7.35	-10.06/-13.4	-12.15/-12.19	-10.76/-12.95	-17.25/-13.38	-12.21/-14.49	-17.9/-17.4	-18.52/-18.84	-18.06/-18.81	-18.29/-19.19
Θ (165°)	-16.32/-13.49	-12.29/-12.45	-15.41/-14.52	-9.85/-8.27	-9.51/-13.1	-19.03/-17.97	-18.05/-13.75	-19.03/-18.82	-18.44/-19.02	-17.88/-18.23	-15.59/-12.7	-11.14/-11.35	-12.48/-13.95	-13.87/-12.02	-10.72/-13.3	-11.55/-12.87	-13.68/-12.74	-11.43/-10.53	-15.37/-19.56	-18.92/-16.63	-18.95/-18.62	-18.03/-17.05	-16.55/-16.07	-16.28/-16.77
Θ (172.5°)	-12.26/-13.89	-15.12/-13.39	-12.67/-10.78	-9.74/-9.98	-11.23/-12.21	-15.94/-18.18	-18.53/-18.34	-17.66/-16.16	-16.88/-13.71	-12.21/-11.41	-10.87/-11.56	-12.27/-12.9	-12.7/-12.5	-11.74/-11.91	-11.42/-11.48	-11.03/-10.51	-9.93/-9.71	-10.17/-12.3	-14.77/-18.6	-17.53/-17.27	-19.16/-63	-14.23/-11.96	-11.2/-10.2	-11.11/-63
Θ (180°)	-8.74/-7.65	-6.77/-6.89	-7.14/-12	-10.94/-13.45	-15.38/-18.67	-18.88/-18.2	-17.33/-18.88	-18.78/-17.11	-14.92/-14.3	-14.34/-13.78	-10.46/-11.19	-9.82/-8.86	-12.87/-8.29	-8.48/-8.81	-8.67/-8.23	-10.91/-9.75	-12.35/-15.31	-18.82/-18.61	-17.83/-18.12	-18.12/-19.38	-16.24/-15.09	-13.84/-14.57	-15.18/-14.62	-16.02/-10.03
Freq(Hz)	6.695GPol.	PhiAnt. 7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)Φ(7.5°)	Φ(15°)Φ(22.5°)	Φ(30°)Φ(37.5°)	Φ(45°)Φ(52.5°)	Φ(60°)Φ(67.5°)	Φ(75°)Φ(82.5°)	Φ(90°)Φ(97.5°)	Φ(105°)Φ(112.5°)	Φ(120°)Φ(127.5°)	Φ(135°)Φ(142.5°)	Φ(150°)Φ(157.5°)	Φ(165°)Φ(172.5°)	Φ(180°)Φ(187.5°)	Φ(195°)Φ(202.5°)	Φ(210°)Φ(217.5°)	Φ(225°)Φ(232.5°)	Φ(240°)Φ(247.5°)	Φ(255°)Φ(262.5°)	Φ(270°)Φ(277.5°)	Φ(285°)Φ(292.5°)	Φ(300°)Φ(307.5°)	Φ(315°)Φ(322.5°)	Φ(330°)Φ(337.5°)	Φ(345°)Φ(352.5°)
Θ (0°)	-16.19/-18.12	-17.56/-18.4	-17.62/-18.58	-18.23/-18.89	-19.13/-18.94	-18.6/-17.88	-16.24/-15.04	-14.15/-13.68	-1															



Radiated Composite Gain Data <6GHz U-NII5~UNII-8>

Appendix B

Θ(75°)	-18.86/-16.97	-16.02/-15.59	-16.52/-15.77	-13.66/-14.99	-14.44/-14.15	-14.74/-14.04	-13.68/-11.86	-10.84/-10.01	-9.17/-8.72	-9.07/-9.73	-10.77/-12.41	-14.32/-15.14	-14.99/-14.6	-13.36/-12.09	-10.99/-10.58	-11.91/-13.59	-15.69/-16.36	-18.16/-17.32	-16.02/-15.39	-14.71/-13.54	-12.24/-13.1	-17.16/-17.19	-18.22/-18.26	-18.28/-18.89
Θ(15°)	-8.4/-10.7	-11.24/-15.91	-18.61/-18.47	-18.38/-18.17	-14.99/-15.34	-14.39/-13.83	-12.85/-12.36	-13.42/-14.3	-11.73/-9.65	-8.37/-7.98	-8.16/-9.58	-11.87/-13.47	-13/-11.53	-11.2/-12.02	-12.61/-13.83	-14.3/-17	-17.98/-18.32	-18.74/-15.65	-11.19/-8.29	-7.14/-17.1	-8.04/-9.04	-10.17/-9.28	-8.38/-8.07	-9.39/-8.31
Θ(127.5°)	-4.82/-6.66	-10.71/-13.54	-15.42/-17.95	-18.68/-17.95	-19.24/-17.96	-16.02/-12.69	-10.39/-9.38	-19.22/-9.48	-9.11/-9.09	-9.19/-9.81	-10.96/-11.82	-11.13/-10.32	-10.65/-13.88	-18.84/-17.53	-17.84/-18.27	-10.12/-17.32	-10.13/-18.72	-12.12/-16.7	-10.82/-10.94	-12.81/-14.36	-11.12/-8.29	-7.68/-8	-15.61/-18.59	-12.62/-11.72
Θ(30°)	-7.07/-9.17	-10.83/-9.22	-6.56/-6.42	-6.88/-10.38	-15.62/-18.96	-12.13/-9.28	-11.02/-15.52	-14.94/-12.4	-11.62/-13.63	-16.72/-17.97	-11.6/-8.75	-10.15/-11.69	-10.17/-10.37	-12.36/-15.27	-15.74/-11.35	-9.4/-8.47	-11.12/-11.09	-9.36/-10.6	-13.11/-14.34	-13.4/-13.19	-15.3/-10.87	-7.39/-9.43	-15.47/-14.58	-7.98/-6.24
Θ(37.5°)	-15.15/-18.61	-13.76/-13.28	-9.92/-8.75	-12.05/-18.8	-19.09/-13.98	-11.9/-14.15	-18.9/-17.17	-10.47/-10.12	-13.19/-16.82	-11.64/-9.08	-7.02/-8.34	-9.05/-6.82	-6.62/-8.52	-6.28/-4.33	-5.84/-11.78	-14.34/-15.27	-15.97/-10.84	-8.19/-9.61	-5.24/-8.85	-8.36/-8.29	-13.99/-18.81	-11.06/-8.02	-14.38/-10.62	-12.45/-10.58
Θ(45°)	-14.92/-15	-15.47/-15.52	-18.69/-18.62	-19.13/-18.78	-18.11/-16.29	-17.94/-12.22	-9.83/-9.3	-8.67/-8.99	-11.42/-8.49	-5.97/-6.98	-6.72/-6.49	-7.64/-4.99	-7.55/-9.66	-4.62/-1.76	-1.29/-4.26	-6.56/-8.09	-9.9/-8.4	-11.54/-13.27	-8.36/-17.73	-14.12/-10.28	-12.88/-8.96	-15.61/-18.59	-12.62/-11.72	
Θ(52.5°)	-10.17/-12.68	-12.1/-9.33	-9.55/-9.38	-10.57/-17.93	-18.52/-13.7	-13.16/-14.69	-16.46/-15.78	-12/-8.41	-8.06/-8.56	-7.04/-6.6	-6.37/-3.34	-5.09/-4.2	-3.57/-9.24	-5.59/-4.49	-4.47/-7.9	-5.79/-4.04	-4.64/-4.62	-6.25/-4.47	-6.19/-10.01	-7.58/-6.41	-7.22/-5.37	-15.7/-11.11	-10.21/-14.93	-9.74/-8.31
Θ(60°)	-18.78/-18.59	-19.01/-18.39	-18.41/-17.85	-18.03/-19.05	-18/-18.03	-18.1/-12.67	-17.49/-19.15	-14.81/-6.95	-8.4/-10.39	-5.92/-3.82	-5.38/-4.3	-4.13/-6.96	-1.73/-4.24	-0.84/-4.02	-1.83/-4.02	-3.9/-3.36	-3.26/-4.36	-6.35/-1.57	-4.31/-3.38	-10.12/-13.59	-11.26/-8.48	-6.17/-9.38	-13.4/-19.07	-15.64/-18.88
Θ(67.5°)	-17.42/-15.09	-13.29/-15.09	-19.06/-15.05	-16.44/-19.28	-19.06/-14.41	-12.45/-17.59	-11.51/-10.84	-18.75/-13.04	-4.41/-9.23	-8/-2.46	-2.91/-3.78	-1.29/-3.25	-2.12/-4.58	-4.63/-4.31	-3.61/-5.23	-4.25/-3.95	-6.14/-6.29	-4.69/-10.04	-12.6/-9.18	-10.63/-11.7	-17.93/-12.78	-17.74/-16.67	-11.65/-14.97	
Θ(75°)	-18.57/-19.06	-11.58/-10.85	-11.1/-16.36	-13.97/-13.02	-17.89/-14.62	-14.72/-14.94	-15.66/-11.06	-14.2/-15.05	-8.69/-7.52	-11.89/-6.14	-4.95/-5.36	-4.6/-4.84	-2.41/-3.64	-3.5/-1.34	-0.24/-3.78	-6.89/-5.3	-3.93/-4.62	-9.91/-14.73	-10.12/-10.75	-14.19/-18.84	-18.22/-17.75	-13.48/-15.54	-17.87/-16.74	-18.9/-17.93
Θ(82.5°)	-18.27/-12.78	-12.98/-14.73	-16.73/-13.56	-12.12/-9.16	-12.13/-12.96	-10.32/-18.38	-16.98/-10.73	-6.99/-7.66	-11.75/-6.02	-2.07/-2.05	-1.81/-3.11	-1.76/-2.21	-1.59/-0.54	-1.71/-2.83	-3.25/-5.6	-8.42/-6.9	-10.17/-14.75	-8.31/-6.67	-17.38/-18.58	-11.07/-8.98	-10.21/-11.27	-13.37/-11.8	-9.88/-18.81	
Θ(90°)	-1.781/-13.9	-12.32/-18.56	-14.15/-17.67	-16.69/-19.25	-11.92/-9.54	-14.62/-10.99	-8.77/-12.24	-6.02/-6.23	-7.47/-3.78	-5.09/-7.16	-0.77/-1.58	-1.03/-2.35	-0.71/-1.55	0.76/-0.28	-0.490/-8.1	-6.21/-10.11	-4.73/-2.49	-4.14/-16.25	-11.2/-9.46	-6.25/-12.26	-9.55/-15.89	-7.76/-13.09	-19/-15.52	-10.57/-17.79
Θ(97.5°)	-11.9/-9.35	-10.75/-11.63	-14.71/-14.96	-13.13/-17.5	-15.79/-7.7	-9.35/-17.45	-11.61/-10.8	-6.33/-4.22	-7.89/-6.84	-7.28/-4	-2.65/-2.63	-1.66/-2.13	-0.37/-1.63	0.12/-2.62	-1.14/-0.05	-8.45/-6.2	-4.18/-2.36	-3.77/-19.01	-5.88/-4.66	-7.97/-5.17	-8.29/-18.36	-6.26/-11.75	-12.11/-17.4	-15.22/-17.69
Θ(105°)	-10.91/-18.74	-18.86/-14.01	-17.02/-18.01	-18.17/-18.75	-17.02/-13.04	-13.02/-9.33	-11.49/-8.56	-7.22/-8.36	-10.61/-5.99	-5.33/-4.21	-1.95/-2.18	-0.31/-1.25	-0.07/-2.31	-1.68/-3.94	-5.5/-4.66	-8.6/-8.1	-4.51/-4.71	-7.57/-17.7	-3.55/-6.12	-13.38/-10.14	-8.33/-18.44	-11.76/-14.9	-7.5/-14.2	-13.67/-13.76
Θ(112.5°)	-14.06/-16.55	-18.88/-18.54	-16.73/-17.81	-19.08/-16.42	-10.54/-9.6	-10.67/-9.16	-10.26/-14.88	-11.75/-8.24	-10.18/-7.22	-7.93/-9.25	-6.12/-5.93	-5.06/-5.51	-4.87/-7.39	-6.06/-6.2	-5.61/-8.99	-8.65/-4.39	-3.2/-8.8	-18.7/-9.02	-5.19/-8.92	-8.28/-8.63	-11.55/-16.83	-9.56/-5.91	-13.51/-14.47	-17.23/-18.55
Θ(120°)	-18.93/-14.74	-17.66/-18.76	-18.35/-18.33	-13.42/-17.91	-18.82/-15.87	-14.78/-14.28	-13.8/-15.06	-12.54/-13.24	-14.08/-14.05	-14.93/-11.8	-13.16/-12.4	-10.15/-10.56	-6.53/-4.82	-3.34/-4.33	-2.7/-4.45	-9.48/-6.87	-7.18/-8.75	-17.19/-9.9	-6.66/-7.94	-12.46/-15.76	-10.56/-16.9	-18.28/-19.11	-16.21/-18.76	-12.34/-18.56
Θ(127.5°)	-14.11/-15.73	-18.71/-17.87	-18.72/-18.27	-18.25/-14.84	-13.67/-12.68	-12.82/-14.87	-9.76/-9.5	-12.81/-14.37	-13.69/-13.3	-12.14/-6.03	-5.01/-5.74	-9.37/-11.15	-7.52/-4.36	-3.4/-3.73	-1.63/-1.12	-1.83/-4.71	-10.02/-12.56	-15.41/-17.35	-18.44/-7.22	-13.86/-13.78	-10.96/-10.7	-18.67/-17.06	-9.03/-11.04	-10.33/-14.35
Θ(135°)	-11.81/-13.2	-11.24/-11.37	-16.95/-17.49	-17.78/-17.37	-15.54/-11.62	-8.71/-11.26	-15.57/-17.66	-12.19/-14.36	-12.97/-11.91	-6.82/-3.97	-2.64/-2.82	-4.59/-6.31	-5.26/-2.75	-1.75/-2.75	-1.84/-1.6	-6.86/-6.31	-9.81/-12.65	-11.91/-13.11	-12.34/-10.96	-13.48/-13.6	-12.69/-8.22	-5.56/-8.74	-7.72/-15.6	-13.34/-14.93
Θ(142.5°)	-10.49/-14.38	-11.91/-12.86	-14.37/-13.89	-14.65/-18.12	-18.11/-17.92	-18.08/-18.49	-18.21/-18.39	-15.64/-11.42	-9.78/-7.47	-4.38/-2.92	-2.01/-2.48	-3.11/-4	-4.7/-3.57	-2.73/-3.24	-4.2/-4.3	-5.6/-9.22	-11.92/-11.93	-8.24/-7.98	-13.73/-16.71	-8.51/-5.42	-6.68/-7.69	-13.45/-15.89	-8.36/-5.91	-8.36/-6.25
Θ(150°)	-16.15/-18.76	-17.74/-17.45	-19.19/-18.27	-17.87/-19.19	-18.83/-18.46	-15.89/-17.75	-18.82/-15.15	-11.12/-8.76	-7.8/-8.33	-7.42/-5.37	-3.78/-2.76	-2.93/-4.36	-6.44/-7.12	-5.13/-3.5	-4.46/-6.55	-8.95/-11.28	-10.06/-8.8	-8.33/-9.79	-11.88/-12.69	-10.31/-6.4	-7.16/-7.7	-8/-7.43	-7.35/-9.59	-10.43/-12.51
Θ(157.5°)	-19.22/-16.31	-13.36/-12.26	-13.09/-16.6	-17.51/-17.99	-14.24/-16.66	-18.61/-19.18	-18.77/-17.6	-16.88/-14.96	-11.43/-9.93	-9.72/-9.1	-7.24/-5.43	-4.7/-5.17	-6.97/-9.23	-10.61/-10.18	-9.66/-12.13	-18.02/-18.33	-12.95/-10.91	-8.56/-7.17	-7.64/-8.4	-9.05/-9.45	-9.75/-10.23	-11.65/-14.55	-17.41/-19.11	-18.97/-18.11
Θ(165°)	-11.75/-12.6	-12.72/-14.72	-16.04/-13.71	-9.86/-8.42	-9.3/-12.87	-18.68/-19.03	-18.34/-18.14	-18.24/-15.9	-14.37/-14.32	-14.86/-13.9	-13.41/-13.81	-12.95/-11.7	-11.23/-12.47	-13.61/-13.19	-14.29/-16.26	-16.29/-13.47	-10.42/-8.32	-7.81/-8.72	-9.69/-10.67	-9.6/-8.59	-11.1/-18.83	-17.88/-15.72	-14.17/-11.98	-12.92/-12.13
Θ(172.5°)	-15.11/-18.01	-16.35/-12.98	-11.15/-9.29	-8.91/-10.25	-14.26/-18.38	-17.99/-18.54	-17.65/-17.99	-15.81/-11.66	-8.75/-7.48	-6.62/-6.6	-6.89/-6.69	-6.67/-6.35	-6.44/-6.8	-7.44/-8.59	-9.66/-10.28	-11.33/-13.82	-15.4/-16.43	-16.47/-17.44	-19.45/-18.75	-16.65/-19.36	-18.95/-18.62	-14.59/-13.04	-11.39/-10.44	-11.71/-13.15
Θ(180°)	-12.58/-9.95	-7.93/-6.72	-6.93/-8.58	-9.77/-9.73	-9.71/-10.6	-12.07/-15.5	-18.85/-19.19	-18.31/-13.06	-10.43/-9	-8.21/-7.7	-7.31/-7.6	-8.19/-8.08	-7.55/-7.24	-7.01/-8.05	-8.82/-8.38	-8.32/-8.89	-10.64/-13.02	-15.18/-18.83	-18.92/-18.43	-17.38/-18.2	-15.21/-15.53	-18.68/-18.28	-18.51/-18.79	-19.14/-13.35
Freq(Hz)	6.175GPol.	PhiAnt. 8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	-17.68/-17.93	-18.27/-18.87	-14.62/-12.18	-17.73/-9.55	9.91/-10.9	-10.87/-10.61	-12.58/-14.32	-8.48/-8.23	-10.44/-12.29	-13.38/-14.32	-16.46/-18.48	-18.86/-18.69	-18.15/-19.13	-16.91/-13.84	-12.34/-12.22	-11.89/-11.29	-12.34/-13.46	-12.56/-12.16	-11.39/-12.7	-13.29/-15.04	-15.29/-14.92	-17.75/-18.84		
Θ(7.5°)	-14.88/-15.28	-13.2/-12.1	-10.95/-11.27	-10.99/-10.75	-11.89/-13.59	-15.02/-15.42	-15.86/-16.35	-15.37/-15.21	-16.09/-17.94	-16.85/-15.58	-16.34/-16.76	-17.78/-19.08	-17.86/-19.15	-18.28/-15.13	-12.53/-10.99	-9.29/-7.66	-6.36/-5.78	-5.74/-5.98	-6.56/-7.48	-9.19/-10.19	-12.15/-14.05	-14.95/-17.24	-19.16/-17.79	-18.55/-18.89
Θ(15°)	-9.21/-8.52	-8.44/-8.41	-8.39/-8.76	-11.53/-14.66	-14.49/-13.26	-12.51/-10.98	-9.29/-7.06	-5.79/-5.53	-6.67/-6.89	-10.91/-13.07	-18.11/-10.96	-17.94/-17.93	-19.13/-18.79	-16.08/-12.32	-9.91/-8.02	-6.49/-5.48	-4.52/-4	-3.61/-3.84	-4.25/-5.07	-5.71/-5	-5.77/-7.49	-6.7/-1.5	-7.76/-7.02	-7.55/-8.1
Θ(22.5°)	-8.47/-8.89	-12.74/-19.2	-18.56/-15.78	-12.92/-12.45	-14.06/-18.17	-18.28/-18.21	-18.89/-17.42	-14.49/-12.38	-9.68/-8.36	-8.18/-9.44	-10.31/-11.62	-13.47/-18.3	-17.84/-15.98	-10.31/-7.84	-6.24/-4.96	-4.14/-4.55	-5.16/-6.42	-6.73/-6.51	-6.54/-6.52	-5.77/-4.93	-4.07/-4.13	-5.05/-6.09	-8.28/-8.72	
Θ(30°)	-10.78/-10.79	-10.92/-12.66	-12.6/-12.62	-15.31/-19.05	-14.08/-17.83	-17.69/-16.83	-18.04/-18.99	-18.65/-19	-17.99/-15.76	-9.27/-28	-7.76/-11.22	-13.72/-13.84	-17.49/-17.81	-14.42/-10.01	-7.71/-6.27	-5.94/-7.06	-8.47/-8.15	-6.01/-4.98	-5.93/-8.08	-7.88/-7.51	-7.12/-5.44	-4.29/-4.83	-7.08/-7.33	-7.4/-7.72
Θ(37.5°)	-5.53/-6.41	-8.63/-11.8	-11.84/-13.16	-12.83/-18.67	-18.76/-18.57	-18.84/-18.24	-19.03/-18.55	-17.54/-15.67	-16.17/-18.7	-17.98/-12.17	-12.28/-16.97	-15.3/-8.8	-6.9/-7.23	-9.63/-13.61	-11.83/-9.46	-8.03/-5.95	-2.82/-2.1	-3.75/-5.23	-6.45/-6.6	-5.4/-3.05	-2.34/-2.5	-1.71/-1.89	-2.6/-3.42	-3.83/-5.46
Θ(45°)	-5.39/-8.31	-10.09/-7.77	-10.13/-17.25	-15.88/-18.44	-17.89/-14.39	-10.08/-11.97	-18.19/-17.8	-12.13/-10.25	-12.56/-18.13	-16.37/-11.01	-11.8/-15.4	-4.47/-6.26	-9.15/-12.26	-13.9/-11.94	-9/-7.47	-4.42/-2.87	-4.45/-4.61	-2.57/-0.43	1.090/-7.1	-0.41/-3.41	-5.11/-4.85	-2.9/-2.89	-4.52/-3.51	
Θ(52.5°)	-4.04/-7.39	-7.28/-6.32	-9.6/-8.43	-9.18/-10.03	-11.93/-14.02	-10.41/-8.27	-9.63/-18	-17.86/-17.03	-15.03/-14.69	-1														



Radiated Composite Gain Data <6GHz U-NII5~UNII-8>

Appendix B

Θ(60°)	-2.62/-4.52	-4.96/-5.26	-5.81/-5.53	-7.6/-6.25	-5.53/-7.31	-9.43/-8.67	-8.81/-11.46	-14.79/-8.74	-5.87/-6.93	-11.66/-9.12	-9.95/-11.44	-14.8/-11.19	-7.2/-7.42	-9.77/-12.46	-17.68/-8.42	-9.04/-16.15	-18.09/-18.53	-19.28/-13.52	-19.17/-17.06	-10.01/-6.67	-4.48/-3.33	-4.05/-3.46	-2.58/-2.52	-3.18/-4.99
Θ(67.5°)	-3.61/-4.53	-4.35/-5.11	-7.12/-6.62	-7.95/-10.24	-13.03/-8.87	-7.24/-7.96	-10.69/-11.86	-16.36/-14.96	-9.51/-9.82	-9.73/-6.33	-6.93/-10.31	-18.09/-15.8	-9.29/-8.86	-7.9/-11.12	-12.43/-14	-15.11/-8.94	-10.02/-9.69	-6.51/-10.03	-10.34/-17.12	-11.41/-5.84	-4.75/-5.42	-10.29/-9.4	-5.35/-4.36	-4.38/-1.46
Θ(75°)	-3.34/-3.03	-3.6/-4.56	-3.64/-6.37	-9.94/-7.807	-13.93/-8.07	-11.99/-13.96	-16.65/-18.65	-11.3/-15.91	-18.89/-15.27	-15.77/-17.45	-10.65/-8.07	-12.06/-17.25	-17.08/-11.84	-16.56/-16.04	-16.15/-12.67	-11.22/-16.04	-15.62/-18.6	-13.12/-12.41	-19.19/-8.3	-17.73/-17.42	-19.19/-8.3	-7.86/-5.05	-2.74/-3.08	-4.18/-3.7
Θ(82.5°)	-2.45/-4.87	-5.26/-3.53	-4.26/-4.9	-7.12/-18.9	-8.84/-11.15	-9.77/-12.45	-18.04/-18.17	-17.93/-18.61	-18.26/-15.36	-19/-17.86	-17.65/-15.04	-9.09/-8.73	-12.72/-16.77	-10.18/-10.49	-10.3/-10.21	-8.87/-9.88	-8.8/-10.09	-2.12/-7.81	-11.9/-5.98	-13.15/-6.98	-3.23/-3.84	-8.55/-4.62	-2.75/-3.36	-1.85/-2.25
Θ(90°)	-2.28/-3.02	-2.94/-2.82	-3.01/-5.48	-11.47/-11.77	-12.74/-17.46	-11.52/-18.8	-17.89/-17.13	-17.42/-12.18	-10.15/-12.67	-19.24/-6.68	-9.71/-19.16	-13.73/-10.7	-9.94/-8.91	-9.56/-12.12	-18.16/-10.7	-8.57/-7.44	-11.2/-11.41	-3.2/-15.1	-10.26/-4.83	-6.16/-10.56	-8/-7.45	-5.57/-0.68	-0.18/-2.14	-0.1/-2.47
Θ(97.5°)	-5.53/-1.34	-1.08/-2.13	-3/-4.63	-11.4/-18.13	-15.04/-18.93	-11.45/-18.9	-17.45/-16.65	-16.07/-14.65	-17.65/-18.22	-18.89/-12.27	-9.93/-9.02	-16.67/-16.74	-19.27/-17.23	-16.73/-16.74	-14.42/-10.45	-9.32/-12.55	-7.05/-5.62	-0.51/-0.98	-3.44/-7.14	-7.82/-4.48	-4.67/-3.28	-4.65/-1.37	0.61/-0.65	-0.22/-1.14
Θ(105°)	-0.37/-2.36	-2.25/-2.84	-3.01/-2.79	-5.39/-4.94	-5.78/-12.25	-13.4/-10.73	-10.41/-7.93	-9.89/-18.96	-15.3/-13.26	-19.32/-15.5	-11.95/-16.51	-17.99/-18.03	-16.13/-15.16	-13.9/-15.9	-8.17/-5.66	-9.12/-8.74	-9.05/-9.22	-3.58/-1.18	-3.27/-12.71	-9.51/-10.78	-13.73/-7.42	-4.84/-3.01	-1.39/-2.35	-0.9/-2.62
Θ(112.5°)	-1.85/-3.13	-2.88/-3.71	-3/-6.93	-5.71/-5.33	-5.45/-7.27	-8.15/-9.4	-9.81/-11	-15.72/-16.86	-11.37/-12.68	-11.94/-14.94	-18.72/-18.32	-14.64/-11.61	-13.98/-18.23	-16.39/-13.81	-10.9/-7.94	-9.27/-6.72	-7.52/-8.77	-2.38/-0.12	-4.21/-14.45	-4.01/-4.74	-3.81/-7.01	-11.79/-3.2	-1.53/-2.28	-2.26/-2.66
Θ(120°)	-5.67/-8.88	-12.95/-9.26	-8.11/-9.49	-10.62/-10.7	-9.89/-14.03	-16.62/-8.29	-8.74/-12.95	-14.94/-18.67	-19.2/-18.56	-10.39/-17.89	-19.12/-14.51	-17.35/-16.57	-16.58/-12.81	-9.96/-9.34	-9.84/-4.11	-6.23/-5.85	-5.21/-6.07	-1.1/-1.66	-3.81/-15.17	-5.01/-7.26	-1.73/-5.52	-4.23/-2.82	-0.87/-1.98	-1.38/-3.73
Θ(127.5°)	-6.29/-8.06	-10.6/-8.36	-6.47/-7.62	-7.16/-9.18	-9.55/-11.13	-10.45/-11.87	-15.92/-12.57	-11.31/-17.53	-18.43/-15.74	-9.28/-9.08	-11.25/-15.09	-16.08/-16.02	-14.03/-10.39	-11.21/-14.46	-13.9/-11.56	-17.12/-8.26	-3.19/-5.39	-2.780/-2	-2.72/-13.13	-4.79/-5.94	-0.25/-1.64	-1.2/-1.67	-1.5/-2.01	-1.83/-2.99
Θ(135°)	-3.24/-2.6	-2.7/-3.79	-2.66/-1.6	-2.3/-3.71	-4.65/-5.47	-6.85/-9.27	-11.73/-11.01	-10.37/-14.94	-18.57/-12.91	-12.86/-8.58	-11.31/-13.69	-18.21/-13.94	-18.84/-13.53	-15.19/-15.44	-13.4/-5.85	-3.05/-5.48	-3.75/-9.09	-2.51/-9.79	-9.17/-7.31	-4.03/-1.32	-0.80/-42	-0.13/-1.99	-1.85/-2.13	
Θ(142.5°)	-2.88/-1.46	0.150/89	1.230/08	-1.17/-10.93	-1.67/-4.6	-7.72/-8.73	-7.43/-5.94	-6.62/-11.27	-18.53/-18.84	-10.53/-12.51	-12.86/-16.51	-18.48/-18.08	-16.93/-16.44	-12.46/-17.72	-12.53/-7.1	-10.46/-18.77	-12.56/-3.31	-2.76/-6.92	-6.73/-8	-7.37/-2.2	-0.63/-0.69	-0.87/-2.19	-1.88/-1.97	
Θ(150°)	-2.38/-1.08	0.090/02	-0.17/-0.2	-0.38/-2.08	-5.11/-7.58	-10.28/-13.89	-15.63/-12.79	-12.34/-18.76	-18.46/-17.89	-18.4/-17.03	-13.65/-12.87	-15.92/-16.37	-16.18/-18.79	-18.55/-16.14	-15.1/-12.14	-9.76/-12.08	-19.14/-18.22	-14.05/-7.73	-8.91/-13.34	-10.01/-11.84	-12.82/-7.54	-4.03/-3.97	-4.06/-2.91	-3.02/-2.77
Θ(157.5°)	-4.04/-4.34	-3.82/-3.16	-3.8/-5.72	-9.36/-15.28	-14.33/-11.86	-12.47/-14.52	-13.65/-12.84	-14.35/-18.26	-14.71/-10.61	-10.47/-12.33	-15.63/-13.99	-18.25/-12.37	-11.13/-12.84	-16.65/-17.7	-16.97/-14.68	-15.85/-16.23	-13.92/-19.46	-16.42/-11.85	-15.61/-12.07	-7.71/-8.34	-11.14/-10.15	-7.09/-4.68	-4.32/-3.84	-3.3/-3.35
Θ(165°)	-14.47/-15.43	-16.16/-19.33	-18.1/-17	-13.4/-12.12	-14.06/-15.56	-14.76/-14.2	-12.86/-11.6	-13.39/-18.03	-18.09/-11.32	-10.31/-12.1	-11.87/-13.07	-14.88/-18.34	-19.08/-14.91	-10.99/-9.43	-19.23/-13.9	-18.93/-18.75	-14.19/-12.71	-13.63/-18.89	-16.09/-8.91	-6.05/-5.67	-6.46/-7.39	-7.33/-6.63	-7.01/-8.99	-10.29/-12.98
Θ(172.5°)	-10.1/-8.59	-8.13/-8.49	-9.19/-9.97	-11.86/-15.71	-19.15/-17.54	-17.18/-16.66	-15.42/-15.86	-17.6/-18.33	-18.32/-19.06	-18.13/-15.35	-14.66/-15.06	-15.2/-15.1	-13.73/-11.98	-10.45/-9.61	-8.96/-8.21	-7.89/-7.75	-8.86/-10.8	-14.87/-16.94	-11.66/-8.47	-6.76/-5.55	-5.48/-6.18	-6.97/-7.27	-7.5/-8.11	-8.57/-8.33
Θ(180°)	-6.71/-8.72	-9.94/-14.48	-16.36/-18.7	-15.77/-11.17	-9.14/-9.53	-12.99/-19.51	-18.81/-18.28	-18.03/-18.97	-16.28/-14.22	-13.26/-11.7	-10.47/-9.73	-8.49/-7.4	-6.56/-6.26	-6.21/-6.64	-7.2/-7.91	-8.82/-9.7	-10.64/-11.77	-12.32/-13.22	-15.26/-19.1	-19.2/-16.56	-13.42/-10.91	-9.46/-8.79	-7.34/-7.03	-6.93/-6.22
Freq(Hz)	6.995/GPol.	Phi/Ant. 8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	-8.91/-8.74	-8.1/-8.96	-7.04/-6.7	-7.24/-7.83	-10.29/-11.17	-11.13/-13.47	-14.48/-13.57	-14.91/-18.81	-19.09/-18.88	-18.07/-18.24	-18.81/-19.7	-16.78/-15.52	-14.48/-12.69	-11.48/-11.07	-11.02/-11.35	-11.91/-12.79	-13.07/-13.87	-14.43/-14.48	-15.27/-16.14	-16.36/-14.51	-18.17/-18.73	-18.91/-18.1	-18.36/-16.83	-15.19/-11.5
Θ(7.5°)	-15.55/-17.1	-19.03/-19.04	-15.62/-18.59	-15.51/-13.87	-13.89/-13.27	-11.60/-13.03	-9.01/-6.56	-8.66/-9.67	-12.85/-18.37	-18.31/-18.97	-18.74/-16.63	-15.42/-13.14	-10.69/-9.47	-8.9/-8.6	-8.75/-9.06	-7.71/-7.01	-7.4/-7.5	-10.73/-12.52	-9.10/-10.38	-10.76/-12.54	-15.39/-12.7	-17.82/-14.29		
Θ(15°)	-18.61/-18.1	-18.11/-19.23	-17.37/-15.09	-15.1/-14.92	-13.85/-12.18	-11.62/-11.74	-13.41/-14.4	-15.78/-16.55	-13.71/-11.25	-9.48/-9.97	-11.09/-12.21	-12.93/-13.07	-13.05/-13.07	-12.64/-12.7	-12.83/-11.75	-9.96/-7.64	-6.17/-5.54	-5.3/-5.37	-5.23/-5.15	-5.55/-5.82	-6.5/-7.36	-8.23/-9.41	-10.87/-15.51	-16.38/-18.46
Θ(22.5°)	-7.02/-8.61	-12.43/-12.11	-8.93/-12.23	-19.17/-16.21	-13.4/-11.78	-12.56/-15.88	-19.28/-17.81	-16.26/-15.96	-19.26/-19.16	-15.09/-14.96	-17.42/-17.81	-16.55/-16.88	-17.43/-11.62	-8.74/-7.71	-7.52/-7.53	-7.53/-8.14	-9.66/-9.98	-8.01/-6.45	-5.28/-5.19	-4.5/-4.04	-3.94/-3.89	-3.83/-4.67	-7.3/-8.73	-8.96/-7.43
Θ(30°)	-4.07/-4.59	-6.19/-6.82	-6.09/-6.43	-12.32/-13.81	-17.84/-18.03	-18.68/-17.97	-18.04/-15.66	-12.32/-12.26	-12.27/-13.83	-16.02/-18.92	-18.78/-13.39	-11.58/-11.51	-7.83/-4.03	-2.09/-1.79	-2.27/-3.53	-3.64/-7.63	-8.86/-8.23	-7.31/-6.11	-4.75/-4.94	-4.82/-4.49	-4.07/-3.2	-2.26/-1.77	-2.52/-2.07	-5.07/-4.8
Θ(37.5°)	-7.29/-7.97	-10.73/-11.45	-13.19/-11.33	-11.11/-12.52	-14.5/-18.97	-13.7/-8.41	-7.51/-9.47	-15.21/-14.26	-13.54/-15.09	-19.14/-18.32	-18.76/-12.51	-11.65/-15.87	-14.82/-8.66	-3.82/-2.6	-3.33/-3.97	-3.06/-3.73	-7.6/-9.71	-4.93/-0.8	-0.14/-0.82	-1.51/-2.03	-3.18/-5.5	-6.6/-6.69	-6.22/-4.03	-4.81/-7
Θ(45°)	-9.49/-9.11	-11.34/-13.91	-9.84/-5.64	-5.82/-6.19	-9.17/-12.92	-11.83/-6.44	-6.72/-8.88	-11.15/-15.07	-8.44/-7.95	-14.95/-16.63	-10.99/-9.91	-10.9/-16.23	-18.2/-18.26	-18.39/-11.85	-8.49/-8.59	-8.74/-8.71	-6.56/-147	0.160/38	0.140/23	0.870/8	-1.12/-2.29	-0.81/-1.5	-1.86/-2.67	-4.09/-6.91
Θ(52.5°)	-7.64/-3.5	-5.61/-9.8	-6.83/-7.56	-11.24/-9.87	-6.94/-7.03	-12.26/-19	-16.04/-15.03	-11.78/-0.71	-8.1/-13.22	-18.53/-8.65	-7.35/-9.86	-8.64/-10.1	-18.52/-16.68	-19.04/-18.75	-18.08/-17.77	-14.22/-7.01	-4.25/-1.13	-1.98/-4.48	0.454/4	3.40/11	-4.19/-5.4	-1.71/-0.6	0.35/-1.09	-1.96/-2.11
Θ(60°)	-3.87/-4.18	-7.69/-15.91	-11.93/-12.14	-9.89/-12.94	-18.19/-14.89	-14.19/-11.16	-9.75/-10.48	-13.5/-13.98	-12.26/-14.98	-12.1/-13.96	-18.59/-16.61	-10.95/-12.36	-11.3/-13.41	-18.2/-19.13	-18.49/-9.98	-7.28/-7.74	-6.61/-4.92	-2.45/-2.76	-2.1/-0.09	0.73/-29	-3.75/-4.59	-6.62/-5.79	-3.47/-3.13	-4.85/-4.02
Θ(67.5°)	-1.12/-2.11	-4.06/-6	-8.36/-9.24	-12.82/-16.39	-15.65/-11.62	-10.22/-14.09	-13.03/-11.9	-9.71/-15.54	-14.59/-15.47	-17.41/-14.16	-14.54/-14.15	-14.93/-18.62	-11.46/-10.09	-8.55/-18.95	-15.45/-16.38	-11.06/-17.55	-17.2/-14.17	-7.92/-9.85	-12.06/-6.3	-3.02/-6.22	-8.67/-5.59	-2.28/-2.82	-1.120/-99	-0.070/-79
Θ(75°)	-4.07/-3.76	-7.01/-7.05	-6.88/-8.09	-10.33/-17.05	-16.23/-8.81	-8.46/-17.74	-18.53/-18.29	-14.17/-12.86	-11.7/-12.51	-9.11/-10.73	-17.96/-8.53	-8.65/-11.97	-16.94/-15.78	-16.53/-12.55	-12.97/-14.31	-18.1/-8.12	-7.92/-6.34	-4.42/-18.47	-8.8/-8.96	-9.71/-10.55	-15.8/-7.8	-6.25/-3.49	-1.4/-0.59	-1.83/-2.54
Θ(82.5°)	-4.92/-7.7	-7.71/-10.06	-11.1/-9	-8.29/-11.67	-18.87/-9.69	-9.83/-8.51	-11.03/-17.99	-16.62/-12.86	-11.04/-16.96	-17.25/-18.35	-13.58/-18.66	-19.24/-18.04	-17.62/-17.59	-15.06/-16.58	-9.14/-17.18	-18.1/-11.93	-19.19/-6.57	-5.97/-8.84	-4.65/-4.28	-3.79/-11.25	-17.95/-18.01	-16.52/-9.34	-6.04/-4.32	-5.04/-4.96
Θ(90°)	-7.52/-8.36	-11.79/-14.11	-17.29/-17.99	-18.87/-17.84	-16.36/-18.7	-15.37/-11.17	-9.24/-18.42	-16.8/-12.96	-12.39/-9.95	-11.58/-17.21	-18.8/-17.43	-15.11/-12.6	-8.88/-11.65	-17.04/-11.4	-18.24/-15.06	-6.65/-7.33	-8.32/-8.19	-8.84/-9.91	-18.22/-6.99	-17.17/-11.36	-4.19/-6.81	-16.68/-13.96	-15.76/-11.68	-9.21/-6.83
Θ(97.5°)	-10.53/-10.28	-11.1/-11.04	-17.35/-19.04	-9.32/-12.25	-17.73/-17.93	-17.34/-17.38	-14.89/-13.57	-8.87/-11.71	-18.59/-10.78	-9.69/-18.54	-17.42/-17.53	-14/-17.17	-14.72/-10.08	-19.11/-10.5	-11.37/-13.56	-10.49/-12.61	-15.53/-10.25	-10.62/-17.6	-10.97/-9.26	-5.45/-6.59	-10.12/-17.96	-19.08/-8.69	-10.84/-10.64	
Θ(105°)	-5.71/-6.09	-8.89/-7.61	-10.41/-12.36	-15.16/-8.15	-7.53/-13.58	-14.31/-18.47	-18.95/-17.83	-8.06/-7.44	-8.28/-14.72	-14.4/-9	-11.37/-13.8	-11.34/-14.3	-16.98/-16.74											



Radiated Composite Gain Data <6GHz U-NII5~UNII-8>

Appendix B

Θ (112.5°)	-0.94/-3.56	-2.3/-4.83	-3.82/-6.05	-10/-8.41	-8.68/-9.31	-12.89/-18.57	-18.94/-12.79	-9.43/-17.76	-17.61/-18.67	-17.06/-15.73	-18.07/-12.34	-11.3/-10.03	-10.43/-16.87	-12.76/-11.42	-3.81/-2.89	-8.12/-8.15	-2.61/-11.93	-0.71/-1.26	-4.53/-18.53	-6.43/-3.73	-1.05/-1.45	-3.72/0.06	1.49/0	0.69/-2.86
Θ (120°)	-1.81/-5.05	-5.54/-8.71	-10.35/-10.63	-16.97/-13.12	-9.93/-8.12	-12.08/-18.28	-19.21/-16.52	-16.31/-17.46	-14.08/-16.35	-15.17/-12.21	-12.01/-11.63	-10.62/-10.24	-13.92/-18.45	-12.51/-10.13	-17.51/-14.98	-17.15/-13.32	-4.18/-18.22	-5.1/-0.66	-2.02/-10.78	-3.76/-1.97	-2.78/-4.22	-1.68/1.7	2.94/-0.09	1.31/-1.27
Θ (127.5°)	-2.34/-2.07	-2.63/-5.01	-7.34/-4.71	-3.61/-6.47	-16.02/-19.03	-18.15/-14.69	-14.1/-19.08	-17.38/-17.12	-15.41/-15.76	-18.69/-11.78	-16/-17.39	-14.03/-18.1	-16.67/-10.38	-10.25/-18.68	-18.4/-17.84	-11.51/-11.55	-10.97/-16.77	-9.7/-2.63	-1.44/-7.31	-5.88/-2.71	-4.29/-5.51	0.52/2.72	2.55/1.59	1.93/-0.77
Θ (135°)	-1.99/-1.64	-1.26/-1.65	-5.5/-7.68	-2.83/-1.53	-3.75/-6.09	-7.53/-7.66	-10.61/-12.67	-11.38/-12.58	-12.56/-15.95	-18.07/-10.31	-7.06/-8.31	-12.52/-19.2	-17.2/-14.38	-17.79/-17.67	-13.43/-11.54	-6.47/-12.4	-18.26/-13.01	-7.67/-2.05	-2.42/-5.61	-8.8/-9.18	-4.67/-5.3	-2.46/-0.88	-0.62/0.48	0.9/-1.17
Θ (142.5°)	-0.81/-0.32	-0.99/-1.05	-0.79/0.53	1.37/0.23	-1.85/-5.46	-9.57/-10.26	-11.29/-9.64	-10.56/-18.3	-19.21/-15.76	-9.35/-8.65	-11.33/-15.99	-15.57/-17.48	-11.17/-6.97	-6.11/-5.15	-6.7/-10.55	-13.88/-17.72	-18.59/-11.05	-6.45/-4.93	-2.94/-3.39	-6.94/-6.43	-6.51/-7.12	-2.96/-4.9	-3.54/-1.9	-1.03/-0.74
Θ (150°)	-2.72/-2.59	-1.22/-0.19	-0.27/-1.55	-2.06/-1.03	-2.52/-7.14	-11.14/-10.46	-13.28/-12.6	-10.95/-16.31	-17.54/-17.15	-18.55/-16.39	-13.35/-11.64	-12.76/-14.61	-14.84/-13.26	-11.44/-9.91	-13.28/-18.25	-12/-9.96	-10.37/-13.07	-11.07/-6.67	-5.71/-8.85	-9.75/-11.73	-10.74/-9.94	-6.55/-5.66	-6.14/-4.18	-2.76/-2.81
Θ (157.5°)	-5.3/-4.91	-4.46/-4.68	-4.66/-3.97	-3.41/-4.69	-7.08/-12.84	-16.64/-16.06	-18.56/-18.17	-18.23/-18.35	-15.29/-13.48	-13.61/-13.63	-13.43/-11.48	-11.65/-14.1	-17.78/-19.02	-18.48/-17.93	-13.76/-14.07	-18.54/-17.96	-13.01/-10.83	-11.52/-12.59	-15.04/-18.82	-9.38/-9.5	-19.34/-18.52	-18.44/-13.43	-10.07/-9.11	-7.02/-6.35
Θ (165°)	-10.14/-10.41	-10.16/-10.62	-12.4/-14.85	-13.21/-11.84	-16.18/-18.08	-18.13/-15.96	-18.47/-17.67	-18.77/-17.7	-17.9/-18.85	-18.48/-13.07	-10.78/-10.01	-10.43/-10.91	-11.14/-12.58	-16.26/-18.6	-19.11/-14.35	-8.49/-5.7	-4.35/-4.96	-7.78/-12.91	-16.86/-12.09	-7.71/-5.85	-6.71/-9.63	-12.51/-12.2	-11.24/-11.51	-10.03/-8.58
Θ (172.5°)	-5.57/-6.33	-6.05/-5.9	-7.33/-9.56	-13.38/-18.43	-15.43/-10.06	-10.46/-12.52	-16.2/-18.7	-18.59/-18.66	-17.32/-14.25	-13.03/-12.56	-13.41/-13.32	-12.5/-10.87	-8.98/-7.59	-7.5/-7.32	-7.08/-6.7	-6.02/-6.26	-6.83/-8.81	-12.63/-16.26	-16.93/-13.38	-9.57/-7.18	-5.75/-5.02	-5.26/-5.37	-4.61/-4.73	-5.45/-4.86
Θ (180°)	-4.77/-5.55	-7.26/-9.09	-11.79/-13.46	-15.91/-10.71	-6.88/-7.29	-9.87/-14.67	-17.65/-17.7	-18.09/-17.35	-11.52/-8.64	-6.81/-6.24	-5.89/-5.56	-5.2/-5.26	-5.25/-5.52	-5.96/-6.44	-6.39/-6.71	-6.83/-6.92	-7.44/-8.89	-10.61/-11.87	-12.3/-13.51	-13.67/-11.03	-8.9/-7.09	-6.11/-5.8	-4.48/-4.32	-4.46/-4.76

Sporton International Inc. Hsinchu Laboratory



Antenna Pattern <2.4GHz and 5GHz U-NII 1~U-NII 4>

Appendix C

Θ(15°)	-9.15/-9.77	-9.87/-10.18	-9.82/-9.18	-9.05/-9.26	-9.40/-9.35	-8.90/-8.36	-7.89/-7.53	-7.10/-6.75	-6.52/-6.27	-6.16/-6.09	-5.74/-5.32	-4.96/-4.77	-4.94/-5.39	-5.85/-6.09	-6.31/-6.75	-7.18/-7.79	-8.32/-8.27	-8.39/-8.35	-8.59/-8.77	-8.75/-8.55	-8.52/-8.59	-8.42/-8.23	-8.22/-7.94	-8.12/-8.57
Θ(22°)	-5.75/-5.84	-6.39/-7.10	-7.48/-7.88	-8.42/-9.50	-10.75/-11.58	-10.97/-10.12	-8.74/-7.27	-6.16/-5.52	-5.13/-4.86	-4.91/-4.99	-4.64/-4.05	-3.69/-3.81	-4.24/-4.61	-4.63/-4.21	-3.80/-3.84	-4.33/-5.25	-6.66/-8.20	-9.17/-10.48	-11.14/-12.47	-13.57/-13.67	-13.07/-12.21	-10.77/-9.36	-7.39/-5.60	-5.82/-5.60
Θ(30°)	-3.42/-3.00	-2.95/-3.10	-3.86/-3.47	-5.88/-3.89	-9.98/-12.22	-11.46/-9.81	-7.99/-6.85	-6.66/-5.94	-5.43/-4.61	-4.16/-4.29	-4.63/-4.61	-4.76/-5.27	-4.93/-4.38	-3.65/-3.22	-2.81/-3.01	-4.87/-4.97	-6.00/-7.62	-9.00/-9.18	-11.33/-6.97	-7.26/-8.61	-9.08/-6.02	-7.64/-6.57	-5.10/-4.41	-3.92/-3.73
Θ(37.5°)	-3.16/-3.20	-3.38/-3.18	-3.43/-3.74	-4.59/-5.80	-6.68/-8.37	-9.77/-10.02	-8.66/-7.43	-6.24/-5.58	-4.84/-3.91	-3.32/-3.48	-3.68/-3.83	-4.37/-4.47	-4.01/-3.56	-3.41/-3.10	-2.64/-2.49	-2.92/-3.42	-4.05/-5.39	-6.81/-7.48	-7.37/-6.67	-5.72/-5.35	-6.26/-7.89	-8.23/-6.99	-5.66/-4.56	-3.61/-3.09
Θ(45°)	-3.43/-3.81	-3.97/-3.28	-3.28/-3.24	-3.47/-4.27	-4.88/-5.50	-5.18/-3.49	-3.88/-3.46	-3.16/-2.58	-2.10/-1.97	-2.18/-2.95	-3.54/-3.32	-3.62/-3.28	-2.82/-2.58	-2.30/-1.63	-1.21/-1.73	-2.86/-3.58	-3.37/-3.05	-6.64/-5.43	-4.35/-3.58	-3.33/-4.80	-7.12/-9.01	-12.01/-12.61	-8.95/-6.05	-4.91/-3.66
Θ(52.5°)	-3.44/-2.67	-2.70/-2.04	-1.78/-1.99	-2.31/-2.86	-3.23/-3.76	-3.34/-2.47	-1.69/-1.42	-1.50/-1.21	-1.11/-1.53	-2.04/-2.35	-2.37/-2.19	-2.12/-2.08	-2.53/-2.29	-1.70/-1.70	-1.71/-1.60	-2.23/-3.17	-4.92/-5.69	-4.87/-3.61	-6.23/-2.94	-4.13/-5.39	-6.48/-1.95	-9.69/-9.99	-9.33/-8.35	-6.46/-4.55
Θ(60°)	-3.02/-2.79	-2.42/-1.86	-1.21/-0.48	0.04/-0.21	-0.98/-2.15	-2.78/-2.49	-1.71/-0.79	-0.26/-0.10	-0.42/-0.84	-1.23/-1.85	-2.27/-2.95	-3.73/-3.85	-3.53/-2.70	-1.33/-0.68	-0.08/-0.08	-0.67/-1.80	-3.70/-4.19	-4.18/-3.86	-3.50/-3.53	-3.27/-2.88	-3.63/-5.71	-8.58/-10.91	-10.06/-5.74	-4.26/-3.32
Θ(67.5°)	-0.43/-0.71	-0.60/-0.85	-0.98/-1.03	-0.88/-0.91	-0.78/-0.84	-0.89/-1.11	-0.65/-0.41	1.23/-1.24	0.93/-0.40	-0.33/-1.51	-2.71/-3.12	-3.12/-4.23	-2.41/-1.53	-1.31/-1.16	-0.73/-1.01	-1.82/-2.26	-3.23/-3.53	-4.20/-3.56	-2.85/-1.95	-1.74/-2.83	-6.91/-12.89	-11.17/-6.30	-3.65/-2.11	-1.79/-1.11
Θ(75°)	-0.09/-0.29	0.18/-0.19	-0.17/-0.52	-0.94/-1.84	-1.76/-1.17	-0.43/-0.11	0.54/-0.68	1.04/-1.17	1.17/-0.50	-0.35/-2.01	-2.60/-2.79	-2.56/-2.21	-1.51/-0.86	-0.40/-0.26	0.27/-1.21	-2.08/-4.99	-6.21/-6.85	-6.76/-6.64	-5.67/-4.26	-4.42/-7.91	-10.13/-6.88	-3.91/-2.26	-1.85/-0.58	-0.63/-0.73
Θ(82.5°)	-2.13/-2.67	-2.18/-1.76	-0.48/-0.19	-0.07/-0.97	-1.46/-1.69	-0.48/-0.73	1.49/-1.85	1.13/-0.26	0.19/-0.26	-0.97/-2.70	-1.72/-1.04	-0.15/-0.31	-0.03/-0.44	-0.70/-1.16	-2.63/-3.53	-4.17/-6.44	-8.07/-9.03	-7.81/-5.65	-4.58/-3.20	-4.72/-8.73	-8.21/-6.46	-4.56/-3.03	-2.34/-1.51	-1.48/-1.88
Θ(90°)	-0.87/-1.00	-1.17/-1.51	-1.29/-1.26	-1.57/-1.98	-1.41/-1.01	-0.17/-0.74	1.04/-0.94	0.52/-0.59	-1.55/-1.88	-1.34/-1.20	0.41/-1.24	1.67/-1.80	1.41/-0.74	-0.68/-1.62	-3.09/-5.19	-6.42/-5.61	-5.93/-4.62	-4.67/-5.03	-4.58/-7.54	-5.87/-3.57	-3.28/-3.02	-2.90/-1.90	-1.20/-1.85	
Θ(97.5°)	0.02/-0.03	-0.19/-0.58	-1.23/-1.93	-1.66/-2.12	-2.57/-2.08	-1.09/-0.52	-0.06/-0.58	-1.68/-3.17	-3.61/-2.86	-1.70/-0.73	1.20/-0.22	2.54/-2.11	1.87/-0.93	0.82/-0.88	-0.66/-0.64	-2.28/-2.65	-2.40/-2.89	-3.25/-2.99	-3.45/-2.30	-5.37/-9.30	-5.61/-3.09	-3.19/-4.46	-2.65/-1.87	-0.80/-0.75
Θ(105°)	-5.41/-5.22	-3.40/-2.28	-0.80/-0.22	-0.10/-0.52	-1.39/-1.87	-1.59/-0.81	-2.00/-3.77	-5.57/-6.37	-4.62/-3.14	-1.47/-1.57	0.46/-0.92	2.14/-1.34	1.52/-0.25	-0.14/-0.27	-2.00/-2.04	-2.33/-2.16	-2.97/-3.06	-6.52/-7.88	-3.87/-3.60	-3.58/-6.25	-4.96/-5.30	-4.51/-5.09	-5.28/-4.27	-3.95/-7.03
Θ(112.5°)	-5.40/-5.54	-6.89/-5.45	-3.61/-0.98	-0.57/-1.29	-2.21/-2.26	-2.27/-2.57	-3.61/-4.62	-4.81/-2.76	-1.56/-0.08	1.16/-1.69	2.08/-1.09	1.15/-1.24	-0.54/-0.16	-1.39/-1.03	-0.42/-0.95	-2.08/-5.05	-11.14/-11.31	-6.01/-3.51	-2.95/-6.59	-8.32/-4.59	-4.92/-5.06	-6.05/-6.49	-4.13/-6.44	
Θ(120°)	-5.76/-4.97	-6.66/-4.38	-5.43/-3.07	-1.69/-0.36	-0.67/-1.07	-2.08/-3.69	-4.73/-3.95	-2.61/-1.12	-0.36/-0.41	-0.24/-0.30	0.50/-0.80	-0.06/-3.55	-2.50/-1.99	-2.85/-2.94	-2.35/-3.69	-4.31/-4.31	-5.71/-9.21	-4.31/-4.92	-5.03/-10.18	-12.11/-7.43	-5.68/-6.82	-5.66/-4.89	-3.77/-7.35	
Θ(127.5°)	-3.16/-2.11	-2.80/-2.48	-2.33/-1.82	-1.75/-0.98	-0.91/-1.16	-1.28/-1.23	-1.11/-1.20	-1.20/-1.82	-1.67/-2.26	-2.37/-1.94	-2.39/-1.93	-3.94/-3.62	-4.50/-3.79	-2.88/-1.31	-1.87/-3.04	-6.36/-3.52	-3.49/-2.80	-5.72/-12.55	-8.11/-10.05	-5.99/-5.35	-8.33/-8.75	-5.15/-5.74	-3.99/-4.01	-2.56/-1.87
Θ(135°)	-2.28/-1.04	-0.60/-1.90	-2.78/-3.98	-4.40/-3.90	-2.90/-2.60	-2.00/-1.74	-1.82/-1.79	-1.31/-0.32	-0.05/-0.14	-0.47/-1.13	-1.68/-3.48	-3.20/-4.21	-4.23/-3.95	-4.05/-2.76	-2.59/-5.95	-8.41/-14.58	-6.70/-6.16	-4.64/-3.31	-9.88/-11.18	-13.27/-7.32	-6.34/-6.69	-6.78/-6.07	-6.42/-3.61	-2.76/-2.93
Θ(142.5°)	-5.59/-5.44	-4.07/-3.95	-3.47/-3.58	-4.42/-4.74	-4.79/-3.84	-2.93/-2.08	-1.03/-0.20	0.07/-0.33	0.39/-0.57	-0.38/-2.03	-3.49/-3.45	-5.16/-6.65	-4.74/-6.47	-7.05/-6.70	-1.80/-5.94	-7.25/-6.15	-5.30/-10.08	-7.37/-8.87	-10.76/-13.49	-9.05/-8.38	-9.20/-6.40	-4.46/-5.41	-4.83/-5.75	
Θ(150°)	-6.54/-8.52	-10.24/-10.22	-9.78/-9.82	-10.40/-11.58	-10.72/-9.83	-8.57/-7.73	-6.42/-4.04	-2.10/-1.55	-1.74/-2.04	-2.86/-3.81	-4.29/-6.21	-9.08/-8.56	-10.31/-10.51	-5.79/-4.21	-5.40/-10.10	-1.86/-9.74	-12.92/-10.06	-9.09/-11.58	-12.94/-15.02	-11.89/-9.11	-12.29/-11.92	-11.19/-13.36	-9.94/-8.52	-8.08/-6.57
Θ(157.5°)	-6.08/-5.84	-7.30/-7.77	-7.13/-7.37	-8.93/-10.54	-10.29/-10.02	-10.16/-8.40	-6.31/-5.13	-4.30/-3.49	-3.09/-3.19	-3.44/-3.45	-4.18/-5.99	-6.46/-4.96	-4.55/-5.03	-5.06/-4.97	-5.69/-6.24	-7.10/-8.88	-9.13/-7.61	-7.03/-6.63	-8.07/-10.36	-10.63/-12.38	-14.61/-13.21	-10.34/-7.89	-7.53/-9.00	-8.16/-6.65
Θ(165°)	-9.33/-8.64	-7.78/-8.35	-9.25/-10.57	-12.70/-15.17	-15.40/-14.10	-12.84/-11.86	-10.48/-9.69	-9.25/-8.96	-8.43/-8.02	-7.50/-7.10	-6.72/-6.15	-5.32/-4.59	-4.45/-4.79	-5.90/-7.70	-8.98/-9.89	-10.12/-10.71	-10.60/-11.03	-10.55/-10.43	-10.44/-10.76	-10.08/-9.16	-8.11/-7.39	-7.07/-7.77	-8.64/-9.38	
Θ(172.5°)	-9.51/-10.38	-12.50/-14.11	-14.65/-15.48	-13.81/-13.63	-13.18/-14.50	-14.78/-14.78	-15.57/-14.59	-13.66/-13.41	-12.63/-11.77	-10.81/-9.75	-8.72/-8.32	-8.51/-9.31	-10.12/-10.38	-10.42/-11.45	-11.60/-11.20	-10.32/-9.37	-8.71/-8.94	-9.57/-10.01	-10.09/-10.49	-11.66/-12.31	-12.31/-11.57	-10.43/-10.08	-10.56/-11.36	-11.45/-10.07
Θ(180°)	-14.08/-14.91	-15.13/-15.45	-15.53/-15.48	-15.45/-15.51	-15.35/-15.75	-15.48/-15.06	-15.27/-14.70	-14.31/-14.14	-14.34/-14.24	-14.66/-14.66	-14.56/-14.63	-15.09/-15.24	-15.67/-15.27	-14.80/-15.24	-15.36/-15.47	-14.48/-13.73	-12.57/-11.20	-10.11/-9.85	-10.12/-10.76	-11.08/-11.52	-12.55/-14.25	-14.81/-14.15	-14.55/-13.47	-13.73/-13.95
Freq[Hz]	5.885GPol	TotalAnt.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	-0.09/-8.99	-9.38/-9.34	-9.65/-9.72	-10.08/-10.49	-10.39/-10.24	-10.24/-9.94	-9.82/-9.26	-9.09/-8.99	-8.99/-9.25	-9.35/-9.40	-9.55/-9.52	-9.45/-9.13	-9.04/-9.05	-9.12/-9.10	-9.18/-0.98	-9.07/-9.18	-9.21/-9.57	-9.89/-10.38	-10.47/-10.69	-10.38/-9.91	-9.34/-9.19	-9.64/-9.32	-9.06/-9.13	
Θ(7.5°)	-11.11/-11.05	-11.06/-11.09	-11.29/-11.29	-10.98/-11.36	-11.18/-10.53	-10.29/-10.15	-10.41/-10.93	-10.96/-10.27	-9.44/-6.95	-8.50/-8.26	-9.05/-7.89	-7.75/-7.66	-7.46/-7.19	-6.97/-7.21	-7.68/-7.96	-8.12/-8.28	-8.49/-9.25	-9.63/-9.92	-9.97/-10.24	-10.69/-10.99	-11.08/-11.08	-10.77/-10.88	-10.80/-9.99	-9.87/-10.03
Θ(15°)	-7.86/-7.65	-8.12/-8.78	-9.35/-9.97	-10.28/-11.78	-12.17/-12.26	-11.49/-10.98	-10.41/-9.38	-8.51/-7.40	-6.87/-6.45	-6.13/-5.82	-5.71/-5.62	-5.47/-5.15	-4.86/-4.67	-4.71/-5.15	-5.74/-6.11	-6.48/-6.58	-6.86/-7.45	-7.83/-8.12	-8.37/-8.79	-9.01/-9.21	-9.31/-9.33	-8.70/-8.13	-7.78/-7.48	-7.38/-8.01
Θ(22.5°)	-6.41/-5.36	-6.87/-6.28	-6.97/-9.90	-9.43/-11.39	-13.02/-14.65	-13.01/-11.49	-10.00/-8.35	-7.09/-5.84	-4.89/-5.40	-4.66/-5.08	-5.71/-5.65	-5.47/-5.26	-5.53/-5.87	-6.42/-6.66	-6.69/-6.67	-6.92/-7.70	-8.34/-8.63	-8.66/-9.09	-9.99/-11.01	-11.16/-11.73	-11.85/-10.88	-9.29/-8.10	-7.51/-6.55	-6.21/-5.88
Θ(30°)	-1.84/-1.32	-1.57/-2.43	-3.61/-5.18	-7.08/-11.14	-14.22/-15.95	-13.95/-10.02	-7.13/-5.28	-3.81/-2.66	-2.15/-2.18	-2.62/-2.59	-5.51/-6.11	-6.37/-6.56	-6.41/-5.68	-5.06/-5.12	-5.07/-5.05	-5.07/-5.37	-6.00/-7.50	-10.47/-13.81	-14.24/-13.21	-12.48/-10.27	-7.35/-6.10	-5.39/-4.43	-3.64/-3.39	-3.06/-2.50
Θ(37.5°)	-2.55/-2.63	-2.56/-2.85	-3.28/-3.89	-5.36/-7.61	-9.89/-12.53	-10.64/-7.65	-6.02/-4.78	-3.49/-2.76	-2.74/-3.22	-3.94/-5.15	-6.56/-7.29	-7.49/-7.08	-6.25/-5.43	-4.90/-4.12	-3.23/-2.64	-3.16/-4.34	-5.60/-7.09	-8.55/-9.48	-8.18/-6.04	-4.55/-4.35	-4.26/-3.62	-3.14/-2.66	-2.08/-1.69	-1.66/-2.51
Θ(45°)	-1.41/-1.69	-1.47/-1.69	-2.40/-2.85	-3.74/-5.37	-6.74/-7.75	-7.96/-4.77	-6.16/-4.76	-3.43/-2.54	-2.47/-2.38	-2.28/-2.70	-2.89/-3.04	-3.48/-3.29	-3.59/-4.36	-4.06/-3.64	-2.83/-2.07	-2.71/-3.09	-4.03/-6.51	-8.81/-8.12	-6.90/-5.08	-4.24/-4.31	-4.67/-5.34	-5.27/-4.49	-3.18/-2.44	-1.79/-1.37
Θ(52.5°)	-2.72/-2.73	-2.79/-1.99	-1.74/-2.08	-3.11/-3.94	-4.83/-5.19	-4.31/-2.61	-1.33/-0.96	-1.09/-0.73	-0.34/-0.30	-0.59/-1.06	-1.12/-1.69	-2.07/-2.25	-3.04/-3.18	-2.04/-1.68	-1.40/-1.59	-2.06/-3.34	-4.98/-5.62	-4.58/-2.85	-1.44/-0.97	-1.23/-2.29	-4.37/-7.98	-10.87/-10.58	-8.55/-7.03	-5.47/-3.51
Θ(60°)	-5.25/-4.64	-4.25/-3.83	-2.81/-1.52	-0.98/-1.12	-1.99/-2.26	-1.43/-0.66	-0.05/-0.34	0.19/-0.03	-0.14/-0.18	-0.27/-0.79	-0.88/-1.24	-1.17/-1.56	-1.25/-0.90	-0.66/-0.22	-0.13/-0.34	-1.53/-2.23	-3.49/-3.56	-2.66/-2.06	-0.70/-1.13	-2.57/-2.64	-3.18/-3.76	-5.23/-7.31	-6.49/-6.81	-7.51/-5.98
Θ(67.5°)	-0.63/-0.55	-0.33/-0.73	-0.90/-0.88	-0.89/-0.73	-0.47/-0.32	-0.54/-0.06	0.75/-1.01	1.25/-1.28	0.76/-0.46	0.01/-0.28	-0.32/-0.10	0.25/-0.47	0.63/-0.41											



Antenna Pattern <2.4GHz and 5GHz U-NII 1~U-NII 4>

Appendix C

Θ(67.5°)	1.23/0.70	-0.94/-2.14	-1.32/-0.85	-1.05/-0.15	0.32/0.06	-0.40/-2.20	-5.23/-8.02	-10.41/-13.12	-12.42/-11.20	-8.12/-6.29	-5.46/-3.61	-1.57/-1.81	-2.78/-3.55	-3.99/-5.92	-8.39/-6.63	-3.74/-3.67	-5.27/-8.70	-8.74/-5.86	-4.39/-3.56	-3.47/-3.92	-3.28/-2.55	-0.41/0.91	2.17/3.07	2.82/1.83
Θ(75°)	0.52/1.14	0.64/-0.12	0.13/-0.35	-0.62/0.59	1.69/1.36	-0.03/-2.04	-4.33/-7.39	-8.77/-9.64	-11.05/-10.22	-7.62/-6.28	-7.00/-5.19	-3.07/-1.50	-1.52/-3.12	-3.07/-4.19	-6.33/-6.59	-7.94/-9.47	-8.44/-8.20	-11.22/-10.37	-6.60/-5.46	-3.32/-1.02	-0.51/-0.16	0.71/1.20	1.86/2.36	2.23/1.09
Θ(82.5°)	-0.42/0.71	1.39/0.41	-0.06/-1.48	-2.73/-1.30	-0.16/0.13	-0.28/-3.05	-7.29/-7.95	-6.84/-6.33	-7.46/-8.12	-7.75/-6.21	-7.27/-5.63	-2.58/-0.58	-1.13/-2.47	-2.78/-3.96	-6.31/-4.56	-6.31/-6.81	-7.38/-6.44	-4.57/-3.29	-2.32/-2.39	-2.86/-1.93	-1.77/-1.42	0.27/0.94	1.14/1.68	1.98/0.86
Θ(90°)	0.87/1.22	0.16/-1.26	-1.52/-3.45	-4.11/-1.07	0.72/0.48	-0.79/-2.35	-3.54/-4.42	-5.03/-6.37	-5.26/-6.29	-8.16/-8.92	-7.76/-5.39	-3.97/-1.89	-1.56/-2.10	-2.83/-5.17	-4.68/-4.12	-4.35/-4.42	-4.59/-5.69	-4.39/-1.65	-1.65/-2.08	-0.72/-0.12	1.26/0.47	1.15/1.04	1.16/2.34	3.39/2.48
Θ(97.5°)	-1.02/-0.09	-0.59/-3.64	-2.14/-1.62	-2.27/-0.53	0.79/0.85	0.31/-1.46	-3.41/-4.04	-3.47/-3.65	-5.12/-8.22	-8.10/-8.32	-8.03/-4.39	-4.03/-3.72	-2.39/-0.78	-1.42/-3.29	-5.77/-10.09	-8.24/-7.45	-8.73/-6.43	-5.29/-3.50	-2.56/-2.52	-2.03/-2.07	-0.08/1.35	1.07/1.21	-0.25/-1.15	2.63/2.10
Θ(105°)	-1.66/-1.42	-0.15/-1.53	-1.26/-1.96	-4.44/-0.39	-0.83/-2.19	-4.31/-5.65	-6.11/-7.40	-6.68/-8.08	-9.08/-8.20	-10.67/-6.24	-4.45/-3.70	-3.60/-3.31	-3.20/-4.19	-6.19/-6.65	-5.70/-5.34	-3.28/-4.50	-4.13/-1.35	-1.77/-1.32	-0.20/0.99	1.50/0.75	0.37/-0.50	1.07/1.50	-0.59/0.10	1.16/0.41
Θ(112.5°)	-2.13/-1.39	-1.05/-4.06	-5.17/-5.20	-7.04/-5.44	-1.38/-1.14	-3.28/-5.10	-7.07/-7.67	-7.19/-9.19	-10.55/-12.06	-6.67/-5.67	-5.87/-5.30	-5.06/-3.23	-2.88/-4.01	-5.24/-6.21	-8.11/-10.68	-11.77/-6.83	-6.86/-7.65	-5.33/-1.88	-2.18/-2.06	-1.03/-0.62	-0.39/-0.76	-0.58/-1.24	-1.32/0.61	1.52/0.30
Θ(120°)	-4.88/-4.45	-4.07/-6.85	-8.30/-6.87	-7.99/-8.02	-4.78/-4.29	-3.74/-7.03	-8.78/-6.26	-5.04/-5.52	-8.99/-15.58	-15.33/-14.95	-15.50/-9.31	-5.65/-4.26	-3.84/-2.92	-4.20/-5.89	-6.67/-11.02	-10.31/-8.26	-8.02/-8.81	-6.31/-5.05	-0.88/-6.41	-1.61/-0.50	-0.21/-0.80	-1.55/-1.82	-1.87/-0.77	-0.33/-2.18
Θ(127.5°)	-3.22/-2.98	-3.98/-7.45	-13.29/-13.87	-6.82/-3.70	-3.15/-3.24	-4.89/-6.10	-5.61/-5.01	-5.47/-8.91	-11.77/-11.92	-11.98/-9.86	-7.92/-7.43	-6.96/-5.13	-2.72/-4.68	-10.14/-12.94	-13.31/-15.43	-17.02/-7.98	-11.44/-12.28	-4.40/-3.57	-7.43/-6.73	-2.48/-1.61	-0.79/-2.06	-3.85/-3.61	-1.30/0.86	0.81/-1.26
Θ(135°)	-6.19/-4.47	-4.49/-5.70	-6.87/-8.23	-9.62/-9.75	-7.84/-7.79	-8.85/-8.30	-7.02/-6.05	-5.75/-6.12	-7.71/-9.64	-13.21/-13.91	-11.87/-9.08	-7.73/-6.84	-7.11/-7.11	-8.12/-9.49	-11.95/-14.75	-7.98/-12.64	-7.45/-6.63	-4.28/-5.45	-9.33/-5.33	-0.84/-0.13	-0.96/-0.86	-2.74/-5.14	-3.67/-0.77	-0.49/-3.41
Θ(142.5°)	-9.31/-8.60	-8.16/-10.59	-12.88/-11.30	-7.89/-6.50	-7.30/-5.87	-6.64/-8.97	-7.64/-6.28	-5.95/-6.58	-9.51/-12.25	-10.43/-9.32	-10.07/-6.80	-4.62/-4.55	-5.83/-8.37	-7.44/-6.56	-9.97/-11.22	-13.83/-9.87	-5.00/-4.01	-5.51/-11.79	-9.26/-5.11	-2.34/-0.47	-0.49/-1.14	-3.18/-6.24	-6.54/-4.66	-3.55/-5.26
Θ(150°)	-7.44/-10.64	-11.32/-13.65	-15.11/-10.79	-7.80/-7.13	-6.84/-6.58	-4.25/-5.04	-5.03/-6.27	-8.11/-8.90	-12.62/-6.62	-6.94/-9.04	-11.53/-11.88	-9.50/-9.64	-10.40/-9.94	-8.93/-10.51	-13.47/-12.07	-12.16/-8.66	-8.67/-9.20	-8.53/-9.77	-9.44/-8.19	-6.45/-4.79	-4.19/-3.94	-3.44/-4.45	-3.21/-1.78	-1.91/-3.72
Θ(157.5°)	-6.93/-8.83	-9.95/-11.68	-10.34/-7.64	-5.92/-6.39	-7.78/-9.70	-10.88/-10.70	-10.56/-10.95	-12.26/-12.25	-10.15/-8.55	-8.03/-8.33	-9.54/-10.82	-11.87/-12.43	-11.21/-9.04	-8.27/-9.77	-11.81/-14.57	-14.25/-9.42	-6.75/-6.32	-6.86/-6.97	-6.31/-5.68	-5.12/-5.18	-5.73/-5.71	-4.86/-3.87	-3.25/-3.07	-3.53/-4.86
Θ(165°)	-5.81/-7.55	-10.05/-12.78	-13.98/-14.13	-13.15/-12.23	-11.75/-11.54	-11.73/-11.97	-11.41/-10.96	-11.77/-13.96	-13.97/-11.24	-9.07/-8.06	-8.01/-7.92	-7.36/-6.81	-6.42/-6.71	-7.80/-8.80	-9.83/-9.37	-8.26/-7.10	-6.14/-5.84	-6.04/-5.66	-5.28/-4.72	-4.32/-4.12	-4.40/-4.20	-3.89/-3.76	-3.57/-4.36	-3.57/-4.36
Θ(172.5°)	-13.30/-15.15	-15.39/-11.32	-10.03/-10.03	-8.99/-8.93	-9.19/-9.89	-11.43/-13.84	-15.34/-16.11	-15.46/-15.30	-12.23/-10.90	-9.78/-9.53	-9.93/-10.79	-11.49/-11.50	-11.18/-10.94	-10.57/-9.98	-9.33/-8.62	-7.90/-6.89	-6.42/-5.98	-5.61/-5.47	-5.41/-5.47	-5.44/-5.68	-5.80/-6.17	-6.65/-7.33	-6.87/-7.09	-8.43/-11.04
Θ(180°)	-10.24/-10.52	-9.34/-8.42	-8.71/-9.81	-9.82/-10.02	-10.64/-10.87	-11.76/-12.50	-12.83/-11.89	-10.71/-9.49	-9.41/-9.41	-9.59/-9.84	-9.48/-9.19	-8.92/-9.03	-9.16/-9.22	-9.69/-9.74	-9.84/-9.58	-8.49/-8.95	-8.96/-9.31	-10.01/-10.55	-10.74/-10.19	-9.72/-9.33	-9.32/-9.56	-9.56/-9.39	-9.40/-9.51	-9.73/-10.31
Freq(Hz)	5.65GPol.	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°)	-5.76/-5.45	-5.61/-5.92	-6.18/-6.26	-6.05/-6.15	-6.52/-6.19	-5.48/-5.88	-6.36/-6.45	-6.22/-5.89	-5.30/-5.32	-5.63/-6.42	-6.68/-6.17	-5.86/-5.79	-5.87/-5.93	-5.73/-5.55	-5.37/-5.29	-5.52/-5.91	-6.32/-6.38	-6.24/-6.03	-5.80/-5.96	-5.75/-5.84	-6.27/-5.98	-5.96/-6.34	-6.82/-6.69	-6.28/-5.94
Θ(7.5°)	-5.11/-4.62	-4.36/-4.17	-4.20/-4.48	-4.39/-4.50	-5.02/-5.18	-5.20/-5.22	-5.56/-5.51	-5.71/-5.80	-6.32/-6.74	-7.12/-8.18	-9.23/-9.21	-8.63/-8.19	-7.85/-7.96	-8.24/-7.99	-7.68/-7.67	-7.79/-7.85	-8.02/-8.78	-7.18/-6.05	-5.11/-5.03	-5.58/-5.94	-6.11/-6.81	-5.22/-5.01	-5.52/-6.01	-5.95/-6.40
Θ(15°)	-5.21/-4.49	-3.82/-3.58	-3.34/-3.33	-2.82/-2.38	-2.33/-2.01	-2.65/-3.35	-4.03/-5.08	-5.61/-6.60	-7.16/-7.62	-8.65/-10.36	-12.08/-13.26	-12.06/-11.27	-10.74/-10.57	-10.45/-10.18	-9.64/-9.49	-9.51/-9.03	-9.19/-8.86	-8.45/-7.84	-7.10/-6.14	-6.02/-5.34	-6.81/-7.04	-6.92/-6.70	-6.78/-6.60	-6.41/-5.63
Θ(22.5°)	-3.68/-3.76	-3.40/-2.84	-2.09/-1.58	-0.76/-0.00	0.05/0.24	-0.31/-1.10	-2.17/-3.45	-4.90/-6.11	-7.18/-8.14	-9.67/-12.40	-15.76/-15.49	-15.67/-13.44	-12.61/-12.58	-11.47/-11.49	-11.92/-12.67	-13.82/-13.21	-12.06/-10.64	-9.70/-9.36	-10.20/-11.22	-11.15/-10.22	-9.02/-8.31	-7.99/-7.26	-5.94/-4.54	-3.79/-3.46
Θ(30°)	-0.66/-0.67	-0.62/-0.63	-0.20/-0.32	0.45/0.40	0.08/0.26	0.22/0.16	-0.39/-1.14	-2.56/-4.28	-6.67/-8.10	-8.88/-12.10	-15.62/-15.85	-16.00/-13.94	-11.85/-9.76	-8.40/-9.19	-8.24/-8.70	-9.26/-10.20	-12.90/-12.58	-11.51/-11.21	-10.22/-11.20	-13.00/-13.29	-10.29/-9.92	-6.65/-6.55	-4.33/-2.99	-1.71/-1.78
Θ(37.5°)	0.43/0.08	-0.16/0.30	1.00/0.99	0.88/0.81	1.20/1.56	1.51/1.24	0.60/-0.32	-1.17/-2.63	-4.71/-6.92	-9.02/-10.62	-12.50/-13.04	-11.75/-11.78	-11.84/-10.60	-8.33/-6.97	-6.14/-5.69	-6.44/-9.06	-12.38/-12.54	-11.11/-10.55	-9.23/-8.95	-7.59/-6.50	-5.95/-5.38	-4.28/-4.06	0.18/0.61	
Θ(45°)	0.86/0.87	1.14/1.50	1.61/1.34	0.64/0.38	0.49/0.81	0.67/0.29	-0.31/-1.16	-2.26/-3.79	-5.59/-7.71	-10.71/-11.31	-8.10/-6.16	-5.57/-5.86	-6.90/-8.68	-8.92/-7.22	-5.36/-4.06	-3.75/-5.13	-8.40/-11.12	-11.69/-10.34	-8.32/-7.15	-6.82/-6.14	-4.66/-3.04	-2.15/-1.05	-0.04/-0.08	-0.27/0.30
Θ(52.5°)	-0.18/0.26	-0.45/1.24	1.35/0.35	-0.50/-0.50	-0.43/-0.44	-0.15/-0.30	-0.94/-1.72	-2.57/-3.66	-5.55/-8.66	-11.43/-10.96	-7.87/-5.75	-3.79/-3.48	-5.66/-9.20	-9.45/-5.21	-2.77/-1.80	-1.59/-3.67	-7.27/-8.08	-4.84/-3.65	-4.27/-4.41	-4.66/-5.12	-3.01/-1.66	-1.07/-0.14	0.04/-0.51	-1.00/-0.59
Θ(60°)	1.34/1.80	1.75/1.68	1.66/0.69	-0.25/0.79	-1.06/-0.90	-0.99/-1.62	-2.71/-3.18	-4.51/-5.36	-10.76/-9.24	-6.03/-3.72	-2.21/-2.47	-4.17/-6.37	-9.86/-5.21	-6.95/-8.99	-4.37/-2.45	-1.35/-2.44	-3.57/-3.49	-3.86/-1.70	-10.03/-0.35	0.56/0.63	0.48/0.71			
Θ(67.5°)	1.78/1.89	1.44/1.19	0.92/0.12	-0.69/-1.05	-1.35/-2.12	-2.78/-3.54	-3.99/-4.39	-5.18/-6.79	-10.21/-12.67	-10.95/-7.78	-4.67/-2.72	-1.63/-2.45	-3.03/-3.83	-5.38/-7.17	-6.74/-4.88	-4.60/-6.93	-9.19/-7.59	-4.94/-3.55	-3.58/-4.31	-4.03/-3.59	-2.15/-0.26	0.35/0.62	1.54/2.06	2.04/1.69
Θ(75°)	1.60/1.65	0.59/0.12	0.25/-0.75	-1.22/-0.87	-0.80/-8.02	-0.49/-0.96	-2.88/-5.20	-7.55/-9.31	-10.58/-10.59	-12.24/-8.28	-4.93/-3.49	-2.44/-2.21	-1.46/-2.08	-3.42/-6.44	-8.01/-4.94	-3.20/-3.95	-5.01/-4.46	-2.28/-1.24	-1.65/-3.42	-5.59/-2.47	-2.83/0.19	1.64/1.47	2.08/2.35	2.42/1.82
Θ(82.5°)	1.94/1.62	0.47/0.47	0.38/-0.80	-0.48/-0.02	-0.29/-0.37	-0.54/-0.95	-2.48/-4.56	-8.13/-12.46	-13.23/-9.40	-8.12/-6.08	-5.27/-8.21	-1.35/-0.28	0.21/-1.47	-2.08/-5.16	-6.49/-3.55	-3.64/-4.96	-3.78/-1.91	-1.64/-1.45	-1.44/-2.36	-2.17/-0.12	0.10/0.54	1.72/1.10	1.64/2.42	2.52/1.77
Θ(90°)	-0.40/0.87	-0.81/-1.70	-0.88/-1.77	-1.46/-2.56	-2.99/-1.14	-0.25/-0.96	-3.11/-6.33	-9.48/-11.39	-14.07/-12.55	-11.25/-7.72	-6.57/-5.28	-3.37/-2.32	-0.04/-1.03	-2.84/-4.81	-4.17/-3.02	-2.90/-2.59	-3.21/-1.31	0.08/0.77	-0.29/-2.27	-2.20/0.02	1.81/1.80	2.34/1.74	0.83/1.89	2.38/0.75
Θ(97.5°)	-1.51/0.58	-0.28/-1.57	-1.37/-4.42	-5.31/-4.02	-3.29/-0.83	0.29/-0.79	-3.76/-7.33	-10.44/-10.53	-11.42/-11.35	-14.69/-7.03	-7.09/-4.50	-3.02/-1.15	0.30/-0.81	-2.04/-4.48	-5.12/-5.80	-4.17/-3.17	-2.58/-1.23	-0.59/-1.06	0.07/1.82	0.30/2.32	3.68/3.13	2.72/1.39	0.71/1.53	1.80/-3.07
Θ(105°)	-1.46/0.04	-0.76/-3.11	-1.66/-3.10	-3.61/-2.48	-1.40/0.14	0.88/-0.92	-4.70/-6.17	-7.93/-9.24	-11.16/-5.65	-6.15/-3.14	-4.23/-4.77	-0.65/-0.97	-3.81/-5.14	-5.24/-6.42	-4.47/-4.91	-4.79/-1.16	-0.44/-0.41	-0.91/-0.48	-0.86/-1.20	0.96/1.33	1.16/0.47	-0.70/-0.29	0.83/0.59	
Θ(112.5°)	-3.03/-2.41	-2.06/-2.68	-2.92/-5.58	-1.13/-1.74	-2.92/-1.55	-0.94/-2.72	-6.88/-8.20	-8.32/-8.94	-10.76/-11.11	-10.38/-6.91	-10.38/-4.51	-7.16/-2.60	-3.17/-7.15	-8.57/-7.72	-8.38/-7.31	-7.46/-7.81	-3.62/-1.97	-0.71/0.10	0.41/-1.43	-0.51/0.73	1.29/-0.41	-0.27/-1.20	0.11/1.46	1.14/-1.73
Θ(120°)	-5.81/-3.44	-4.42/-6.06	-5.51/-5.08	-7.76/-8.17	-5.88/-3.74	-3.54/-5.45	-9.19/-15.54	-8.97/-8.30	-10.19/-15.66	-16.09/-12.20	-10.18/-4.57	-5.20/-3.67	-2.80/-5.04	-8.45/-9.28	-8.72/-1									



Antenna Pattern <2.4GHz and 5GHz U-NII 1~U-NII 4>

Appendix C

Θ(120°)	-3.30/-2.73	-2.60/-3.08	-3.91/-4.12	-4.16/-5.12	-7.66/-12.55	-13.41/-8.72	-6.59/-6.51	-8.69/-14.50	-12.71/-7.78	-6.36/-7.28	-8.79/-9.55	-9.23/-8.39	-7.40/-6.50	-5.61/-4.00	-1.740/-47	2.14/3.29	4.12/4.52	4.28/3.35	2.05/1.00	0.580/17	0.991/19	1.090/68	-0.17/-1.51	-3.03/-3.84
Θ(127.5°)	-1.60/-1.02	-0.76/-1.09	-1.63/-1.94	-2.42/-3.91	-7.18/-13.37	-12.13/-7.81	-6.57/-7.63	-10.52/-11.34	-8.29/-6.02	-5.53/-5.47	-5.40/-5.60	-6.55/-7.80	-9.14/-10.11	-8.96/-5.81	-3.03/-1.09	0.25/1.18	1.89/2.15	1.71/0.63	-0.61/-1.19	-0.69/0.37	1.30/1.79	1.83/1.57	1.04/0.24	-0.81/-1.62
Θ(135°)	-2.87/-2.67	-2.39/-2.31	-2.53/-2.94	-2.38/-6.77	-12.38/-9.76	-9.13/-13.42	-12.38/-9.76	-9.29/-10.40	-10.54/-9.08	-8.77/-7.88	-7.25/-8.20	-8.89/-8.45	-6.35/-3.98	-2.05/-0.64	0.39/1.11	1.59/1.67	1.28/0.69	0.20/0.18	0.61/1.16	1.52/1.53	1.18/0.65	-0.03/-0.82	-1.69/-2.61	
Θ(142.5°)	-3.81/-3.54	-3.18/-3.03	-3.29/-3.80	-4.43/-4.98	-5.31/-5.48	-5.61/-5.84	-6.40/-7.40	-8.83/-9.62	-9.27/-8.41	-7.71/-7.58	-8.35/-10.16	-12.85/-14.72	-14.38/-12.51	-9.66/-7.07	-5.09/-3.59	-2.44/-1.65	-1.28/-1.37	-1.95/-2.79	-3.51/-3.79	-3.57/-3.19	-2.83/-2.64	-2.77/-3.12	-3.39/-3.44	-3.46/-3.48
Θ(150°)	-2.88/-2.89	-3.02/-3.21	-3.58/-4.04	-4.30/-4.14	-3.82/-3.57	-3.64/-4.07	-4.75/-5.67	-6.63/-6.98	-6.54/-5.83	-5.28/-5.09	-5.30/-5.93	-6.97/-8.20	-8.90/-9.59	-9.93/-9.97	-9.18/-8.55	-7.39/-6.54	-6.00/-5.91	-6.21/-6.59	-6.74/-6.50	-5.90/-5.04	-4.29/-3.81	-3.68/-3.75	-3.81/-3.68	-3.30/-2.89
Θ(157.5°)	-3.86/-3.89	-3.96/-4.04	-4.30/-4.69	-5.01/-5.05	-4.82/-4.71	-5.02/-5.72	-6.37/-6.89	-7.16/-6.97	-6.47/-5.92	-5.52/-5.26	-5.19/-5.40	-5.87/-6.51	-7.09/-7.51	-7.68/-7.47	-7.09/-6.65	-6.07/-5.52	-5.14/-4.90	-4.78/-4.72	-4.73/-4.73	-4.84/-5.02	-5.22/-5.44	-5.54/-5.46	-5.44/-5.46	-5.44/-5.46
Θ(165°)	-5.49/-5.38	-5.48/-5.67	-6.13/-6.80	-7.37/-7.85	-7.85/-8.22	-8.86/-9.86	-10.11/-9.90	-9.52/-9.08	-8.52/-7.98	-7.51/-7.10	-6.93/-6.95	-7.15/-7.34	-7.48/-7.49	-7.24/-6.88	-6.58/-6.17	-5.80/-5.54	-5.41/-5.38	-5.44/-5.64	-5.97/-6.47	-7.01/-7.64	-7.98/-8.08	-8.02/-7.94	-7.64/-7.04	-6.52/-6.02
Θ(172.5°)	-8.85/-8.60	-8.77/-9.17	-10.08/-11.24	-12.02/-12.41	-12.26/-12.99	-13.45/-13.71	-13.81/-13.61	-13.46/-13.16	-12.63/-11.95	-11.23/-10.69	-10.35/-10.23	-9.99/-10.12	-10.03/-10.18	-10.17/-10.02	-9.77/-9.78	-9.44/-9.72	-9.67/-9.82	-9.86/-10.05	-10.43/-10.99	-11.88/-12.68	-12.54/-12.27	-11.70/-11.19	-10.72/-10.03	-9.58/-9.49
Θ(180°)	-14.60/-14.84	-15.11/-16.24	-14.96/-15.31	-15.58/-14.41	-13.41/-12.81	-12.96/-13.59	-14.01/-14.54	-15.16/-15.48	-14.93/-15.54	-14.89/-14.63	-14.83/-15.53	-15.20/-15.13	-15.50/-14.52	-15.38/-14.51	-15.54/-15.99	-14.45/-13.71	-13.57/-13.23	-12.81/-12.47	-12.95/-14.31	-15.78/-16.06	-14.80/-15.37	-15.35/-15.64	-15.44/-15.89	-16.09/-15.14
Freq(Hz)	5.2GPol.	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°)	2.31/1.19	2.25/2.40	2.45/2.54	2.66/2.84	2.74/2.81	2.95/2.83	2.86/2.83	2.70/2.58	2.53/2.38	2.48/2.42	2.35/2.46	2.16/2.32	2.12/2.61	2.36/2.49	2.69/2.85	2.94/3.13	3.20/3.26	3.46/3.46	3.69/3.69	3.92/3.92	4.12/4.29	4.29/4.29	4.39/4.41	4.44/4.44
Θ(7.5°)	1.90/1.74	1.56/1.48	1.43/1.48	1.65/1.82	1.70/1.83	1.88/1.76	1.80/1.82	1.94/2.08	2.02/1.95	1.99/2.07	2.15/2.26	2.31/2.30	2.37/2.48	2.60/2.82	3.02/3.24	3.37/3.43	3.47/3.52	3.35/3.30	3.34/3.44	3.46/3.21	3.01/2.80	2.44/2.23	2.30/2.12	1.85/1.85
Θ(15°)	2.09/1.72	1.02/0.49	0.13/-0.08	-0.05/0.23	0.55/1.00	0.90/0.99	1.29/1.11	0.61/0.51	0.62/0.85	1.00/1.25	1.53/1.81	2.15/2.29	2.36/2.49	2.69/2.85	2.94/3.13	3.20/3.26	3.22/3.23	3.16/2.97	2.97/3.10	3.21/2.96	2.77/2.44	2.16/1.89	1.81/1.79	1.90/2.09
Θ(22.5°)	1.86/1.55	1.36/1.01	0.36/-0.01	-0.06/0.17	0.83/1.63	1.67/1.83	1.71/1.27	0.65/-0.01	-0.38/-0.51	-0.58/-0.43	-0.04/0.75	1.33/1.59	1.51/1.41	1.39/1.52	1.88/2.31	2.80/3.29	3.59/3.71	3.56/3.19	3.01/2.87	2.28/1.73	1.09/0.62	0.63/0.74	1.43/1.39	-
Θ(30°)	-1.27/-0.66	-0.27/-0.38	-0.92/-1.40	-1.34/-1.27	-1.30/-0.76	-0.78/-0.34	-0.52/-0.77	-0.94/-1.15	-1.20/-1.21	-1.60/-2.22	-2.30/-1.63	-0.83/-0.25	-0.32/-0.82	-1.08/-0.67	0.07/0.86	1.72/2.43	3.07/3.67	4.29/4.81	4.97/4.58	3.71/2.82	1.77/0.70	-0.37/-1.56	-2.13/-2.00	-1.33/-1.10
Θ(37.5°)	-2.22/-1.82	-1.93/-2.05	-2.63/-3.41	-3.22/-2.36	-2.12/-2.24	-3.29/-3.46	-3.12/-2.87	-2.74/-2.98	-2.96/-2.68	-2.64/-3.17	-2.47/-1.66	-1.54/-1.88	-1.82/-1.24	-0.65/-0.00	0.73/1.41	1.98/2.56	3.13/3.46	3.79/3.75	3.65/3.24	2.61/1.90	1.19/0.64	0.12/-0.58	-1.21/-1.55	-1.64/-2.06
Θ(45°)	-1.40/0.11	0.63/0.75	-0.09/-1.16	-2.25/-3.59	-5.21/-7.52	-9.10/-8.15	-6.58/-4.53	-3.69/-2.19	-1.87/-1.98	-2.42/-2.84	-2.39/-2.06	-2.17/-2.74	-3.12/-2.85	-1.41/0.08	0.81/1.06	1.16/1.28	1.49/1.84	1.92/1.49	0.89/-0.16	0.04/1.91	1.89/2.00	1.42/0.28	-0.96/-1.40	-1.07/-1.00
Θ(52.5°)	-4.38/-4.24	-3.53/-2.66	-2.50/-2.95	-4.19/-5.31	-4.76/-3.95	-3.01/-3.77	-4.91/-6.53	-6.71/-5.24	-3.50/-2.60	-2.66/-2.38	-2.24/-2.43	-3.02/-2.40	-1.40/-0.25	0.21/0.11	0.55/1.29	1.37/1.41	1.53/1.09	0.49/0.03	-0.02/0.52	1.12/1.64	1.78/1.27	0.73/0.18	-0.52/-1.78	-3.29/-3.80
Θ(60°)	-3.37/-2.73	-3.36/-4.81	-6.74/-7.56	-7.34/-6.84	-9.72/-10.32	-11.07/-12.34	-10.48/-8.05	-6.83/-7.51	-8.26/-6.04	-3.93/-4.52	-4.97/-4.06	-4.49/-5.80	-4.35/-1.70	-0.43/0.05	0.94/1.11	1.01/0.92	1.17/1.38	1.36/0.95	0.67/1.10	1.38/0.48	-0.43/-1.46	-2.20/-2.49	-2.15/-1.85	-2.19/-3.49
Θ(67.5°)	-4.39/-2.53	-5.29/-3.38	-5.05/-5.41	-5.46/-6.02	-12.06/-10.74	-8.16/-8.34	-3.60/-6.27	-10.75/-6.72	-3.68/-2.25	-2.32/-3.92	-4.22/3.51	-3.97/-4.22	-3.30/-3.19	-4.09/-3.93	-1.89/-1.00	-1.44/-0.57	0.67/0.78	0.46/0.59	0.78/1.02	1.35/1.04	-0.36/-1.49	-2.45/-4.86	-1.37/-3.60	-3.87/-3.16
Θ(75°)	-6.35/-6.86	-6.01/-4.41	-5.46/-7.37	-8.43/-10.84	-11.81/9.19	-7.77/-8.26	-10.50/-9.60	-8.20/-9.15	-10.15/-9.67	-8.14/-6.86	-7.15/-6.07	-4.34/-4.34	-3.95/-2.72	-2.07/-1.39	-0.65/-2.82	-4.23/-2.12	-1.00/-0.36	0.71/0.43	-0.48/-0.33	-0.98/-1.83	-1.31/-1.17	-2.13/-4.37	-5.72/-4.80	-5.50/-6.07
Θ(82.5°)	-7.24/-6.96	-7.45/-7.03	-8.40/-9.22	-13.18/-14.20	-13.92/-8.49	-8.55/-4.66	-6.46/-6.17	-10.55/-12.68	-8.62/-8.98	-9.13/-9.42	-10.71/-8.40	-7.99/-4.05	-4.07/-3.47	-2.25/-2.74	-0.65/1.10	1.35/1.43	1.48/1.89	2.62/2.18	1.16/0.36	0.39/0.13	-0.59/-3.37	-6.87/-7.23	-0.89/-6.81	-
Θ(90°)	-7.38/-11.58	-12.57/-9.66	-9.30/-11.50	-9.33/-6.65	-0.68/-6.28	-8.14/-12.16	-14.30/-13.20	-12.37/-14.95	-11.43/-1.88	-8.14/-12.16	-13.72/-15.55	-11.19/-15.57	-7.48/-2.61	-5.62/-5.59	-4.19/-2.70	1.04/1.32	1.22/1.28	1.68/2.51	3.98/2.22	3.49/3.04	2.28/1.11	-0.79/-4.66	-9.17/-8.31	-7.55/-6.91
Θ(97.5°)	-6.87/-10.37	-13.27/-11.00	-11.17/-12.42	-7.29/-6.77	-8.97/-11.47	-12.09/-9.93	-8.11/-11.57	-14.04/-14.20	-13.95/-13.65	-9.33/-7.25	-6.93/-8.95	-14.63/-10.84	-6.09/-6.20	-6.51/-5.22	-3.82/-2.24	-1.22/-1.18	0.05/0.48	1.52/2.95	3.80/3.93	3.96/3.18	2.15/0.65	-1.50/-4.53	-9.22/-11.31	-10.25/-9.57
Θ(105°)	-10.31/-12.27	-13.71/-9.05	-7.58/-10.77	-9.79/-11.82	-10.42/-16.35	-11.67/-10.92	-11.80/-13.63	-14.29/-13.69	-15.09/-14.74	-9.22/-9.93	-11.67/-9.15	-9.80/-8.47	-6.47/-6.32	-4.63/-5.96	-4.59/-6.02	0.90/0.91	1.11/0.97	2.92/2.85	1.60/2.43	1.62/0.05	-1.47/-1.41	-1.48/-4.32	-5.91/-6.42	-
Θ(112.5°)	-14.24/-10.47	-12.99/-13.82	-11.10/-10.38	-5.19/-7.35	-17.61/-7.35	-8.17/-12.55	-12.47/-9.92	-9.33/-13.00	-13.53/-12.93	-14.75/-13.31	-9.39/-12.86	-6.95/-6.32	-9.47/-13.15	-11.54/-7.74	-3.74/-2.84	-2.39/-1.03	-0.55/-1.89	4.71/4.86	3.78/2.81	2.03/1.00	-0.25/-2.82	-7.78/-9.46	-1.47/-6.56	-
Θ(120°)	-10.49/-12.26	-10.58/-14.10	-9.63/-9.98	-9.96/-10.60	-11.56/-11.62	-13.99/-13.93	-11.67/-10.40	-10.44/-11.58	-11.79/-13.54	-12.09/-8.42	-10.82/-13.52	-11.32/-9.05	-4.32/-4.02	-6.88/-9.03	-6.62/-3.88	-2.87/-1.74	-1.78/-2.76	-4.08/-1.07	2.27/2.15	0.68/0.96	0.82/0.19	-1.18/-4.03	-8.12/-8.30	-5.89/-4.60
Θ(127.5°)	-3.78/-8.92	-10.67/-10.94	-12.96/-11.84	-10.93/-11.92	-11.80/-13.68	-14.08/-14.50	-15.87/-14.93	-11.21/-10.39	-8.58/-10.10	-8.90/-10.69	-10.36/-7.40	-6.78/-3.57	-3.16/-3.10	-6.02/-10.31	-12.74/-8.09	-4.34/-3.83	-2.57/-2.49	-4.65/-2.58	0.49/-0.90	-5.19/-4.80	-1.87/-0.66	-1.34/-3.35	-7.72/-12.68	-8.75/-5.70
Θ(135°)	-12.73/-9.91	-11.54/-10.42	-6.81/-8.45	-10.61/-8.99	-6.67/-6.35	-8.53/-10.87	-10.34/-12.41	-10.07/-8.01	-9.89/-13.07	-14.86/-15.12	-15.26/-8.55	-8.45/-6.59	-3.89/-5.76	-9.25/-12.52	-6.63/-4.27	-2.47/0.09	0.91/1.13	-0.63/0.13	0.78/-0.04	-0.90/-0.11	0.53/0.10	-0.99/-2.34	-5.28/-14.33	-4.03/-4.75
Θ(142.5°)	-2.14/-12.40	-4.36/-2.08	-4.65/-4.98	-5.90/-8.56	-10.46/-13.71	-11.83/-12.49	-14.29/-9.50	-5.54/-4.69	-6.88/-10.13	-10.84/-8.70	-6.66/-7.35	-8.73/-6.13	-2.57/-1.36	-2.90/-4.79	4.11/-3.24	-1.88/-1.46	-2.34/-2.03	-1.49/-1.48	-0.50/0.21	0.04/-1.34	-1.79/-9.91	-1.24/-3.74	-5.05/-4.79	-8.82/-1.92
Θ(150°)	-3.56/-2.68	-3.23/-5.89	-7.64/-7.16	-7.03/-8.98	-9.46/-9.83	-8.65/-8.65	-7.67/-6.97	-5.63/-5.71	-6.76/-6.41	-5.74/-7.51	-11.10/-12.01	-9.65/-0.59	-2.93/-2.58	-3.57/-4.39	-4.58/-3.88	-3.08/-3.69	-5.56/-6.53	-3.68/-1.95	-1.13/-2.10	-4.98/-4.65	-7.60/-6.04	-5.33/-4.68	-5.61/-5.71	-4.69/-3.80
Θ(157.5°)	1.31/-0.31	-2.95/-7.32	-10.78/-10.96	-12.09/-13.14	-13.67/-11.99	-11.12/-9.81	-9.76/-11.36	-13.48/-12.47	-11.37/-8.67	-6.63/-5.63	-4.65/-3.64	-2.61/-1.62	-1.06/-0.95	-1.19/-2.01	-3.09/-3.32	-2.94/-3.22	-3.95/-4.25	-3.73/-2.77	-1.95/-1.39	-1.20/-1.56	-2.17/-2.28	-2.00/-1.41	-0.43/0.63	1.34/1.60
Θ(165°)	-4.60/-5.12	-5.62/-6.90	-8.38/-9.55	-10.10/-10.21	-10.83/-11.57	-12.37/-12.93	-13.21/-13.58	-12.73/-12.46	-9.56/-7.74	-6.29/-5.25	-4.42/-3.66	-3.25/-3.10	-2.84/-2.91	-3.17/-3.55	-3.61/-3.00	-2.41/-2.23	-2.28/-2.39	-2.14/-1.44	-0.87/-0.63	-0.88/-1.14	-1.27/-1.12	-0.89/-0.65	-0.52/-1.10	-2.55/-4.14
Θ(172.5°)	-3.18/-1.70	-0.92/-0.77	-1.16/-1.39	-1.47/-1.38	-1.74/-2.35	-3.10/-4.00	-4.77/-4.80	-5.24/-5.68	-6.31/-6.82	-6.68/-5.74														



Antenna Pattern <2.4GHz and 5GHz U-NII 1~U-NII 4>

Appendix C

Θ (165°)	-1.01/-1.59	-2.63/-4.56	-7.34/-11.08	-13.26/-14.08	-14.24/-15.40	-14.06/-11.80	-10.28/-8.99	-8.81/-9.54	-9.81/-9.30	-9.43/-10.70	-11.37/-8.82	-5.60/-3.14	-1.86/-1.52	-1.81/-2.52	-3.66/-4.94	-5.58/-5.36	-4.85/-4.58	-5.00/-5.46	-5.59/-5.35	-5.02/-3.95	-2.38/-1.11	-0.52/-0.28	0.15/0.36	-0.20/-0.71
Θ (172.5°)	-1.70/-1.91	-2.93/-4.27	-5.79/-7.13	-8.91/-10.82	-13.36/-14.97	-10.88/-9.85	-10.17/-9.83	-9.38/-9.40	-10.10/-9.75	-9.03/-8.07	-7.28/-6.35	-5.06/-4.00	-3.37/-3.04	-3.33/-3.44	-3.94/-4.10	-4.14/-3.76	-3.34/-2.89	-2.62/-2.21	-1.90/-1.93	-2.19/-1.99	-1.94/-1.82	-2.04/-3.22	-4.77/-5.27	-3.70/-2.32
Θ (180°)	-4.56/-6.07	-8.85/-11.92	-9.67/-7.93	-6.93/-5.28	-4.19/-3.37	-2.78/-2.55	-2.90/-3.59	-4.27/-4.50	-4.91/-5.11	-5.03/-5.41	-5.03/-4.87	-4.88/-5.09	-5.73/-6.19	-6.37/-7.03	-6.64/-5.99	-5.59/-5.05	-5.17/-5.63	-5.33/-5.34	-4.98/-4.48	-4.40/-3.99	-4.49/-5.59	-6.26/-5.69	-5.48/-5.12	
Freq(Hz)	5.885GPol.	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°)	2.20/2.44	2.61/2.21	2.03/1.76	1.67/1.49	1.40/1.43	1.55/1.53	1.42/1.29	1.12/1.01	0.95/0.96	1.13/1.13	1.15/1.24	1.25/1.26	1.39/1.64	1.53/1.46	1.64/1.62	1.64/1.62	1.42/1.20	1.20/1.28	1.39/1.64	1.51/1.55	1.29/1.41	1.17/2.05	2.05/2.34	
Θ (7.5°)	0.94/1.37	1.33/1.45	1.32/1.08	1.30/1.29	1.12/1.07	0.97/0.92	0.99/1.01	0.90/0.82	0.75/0.73	0.71/0.83	1.05/1.30	1.37/1.38	1.46/1.54	1.59/1.70	1.58/1.58	1.52/1.29	1.11/0.94	0.90/0.94	1.08/1.13	1.06/1.03	1.04/1.00	0.79/0.85	1.02/0.86	1.06/0.94
Θ (15°)	-0.02/-0.12	-0.03/0.27	0.40/-0.04	-0.73/-0.73	-0.63/-0.65	-0.89/-1.02	-0.86/-0.82	-0.38/0.05	0.49/0.57	0.39/0.31	0.14/-0.04	-0.11/0.00	0.25/0.69	1.07/1.42	1.46/1.34	1.21/0.80	0.39/0.07	0.14/0.34	0.67/0.83	0.97/0.88	0.92/0.79	0.81/0.64	0.19/-0.36	-0.09/-0.04
Θ (22.5°)	0.02/-0.84	-1.82/-1.38	-0.55/-0.30	-0.22/0.09	0.18/-0.10	-0.68/-1.47	-1.78/-1.65	-0.17/-0.72	-0.42/-0.18	-0.07/-0.30	-0.80/-1.41	-1.67/-1.05	0.07/1.03	1.60/1.90	2.03/1.89	1.58/1.22	0.94/0.79	0.72/0.32	-0.01/-0.05	-0.10/-0.08	0.26/0.26	0.12/0.29	0.43/1.04	1.40/0.61
Θ (30°)	1.34/0.79	-0.06/-0.60	-0.30/0.15	-0.24/-0.74	-1.20/-1.64	-2.42/-2.59	-2.74/-3.01	-2.73/-2.24	-1.67/-1.04	-0.69/-1.25	-2.76/-4.97	-5.90/-3.92	-1.10/0.99	2.05/2.20	1.81/1.50	1.48/1.52	1.90/2.09	1.86/1.76	2.16/2.42	2.07/1.66	1.21/0.68	0.84/0.78	0.96/1.26	1.52/1.40
Θ (37.5°)	1.51/1.29	0.30/-0.54	-1.13/-1.85	-3.79/-5.44	-6.29/-5.66	-4.88/-4.06	-3.60/-3.38	-3.84/-3.61	-2.66/-1.45	-1.20/-2.41	-4.50/-5.72	-4.20/-2.09	-0.36/0.73	1.44/1.57	1.79/2.39	3.02/3.32	3.09/2.80	3.10/3.79	3.98/3.73	3.30/2.48	1.91/1.81	1.26/1.08	0.71/0.29	0.01/0.72
Θ (45°)	-1.21/-1.78	-3.07/-4.39	-4.07/-4.00	-4.99/-6.04	-6.14/-6.89	-7.80/-7.68	-6.99/-6.63	-5.58/-5.06	-4.86/-5.03	-4.00/-3.27	-4.98/-6.93	-5.25/-2.14	-0.68/0.32	1.35/2.23	2.84/3.25	3.58/3.16	2.41/2.28	1.83/1.31	1.53/2.04	1.65/1.31	1.33/0.73	0.56/1.04	1.44/1.16	0.16/-1.01
Θ (52.5°)	-3.17/-4.31	-5.18/-6.66	-7.29/-5.51	-5.51/-6.59	-7.00/-8.52	-8.74/-9.20	-11.12/-13.51	-15.72/-11.54	-5.62/-3.43	-2.52/-2.83	-5.10/-7.22	-5.72/-4.24	0.07/1.91	3.18/3.52	2.81/2.56	2.78/2.10	1.72/0.92	0.12/0.46	0.05/0.19	1.11/1.33	0.45/-0.83	-2.10/-1.70	-0.34/-0.86	-2.14/-2.84
Θ (60°)	-4.30/-4.38	-5.39/-5.87	-5.67/-6.24	-9.36/-10.66	-12.32/-15.31	-15.52/-12.80	-6.96/-3.39	-6.27/-7.05	-7.47/-6.12	-3.90/-2.71	-3.77/-6.65	-5.84/-4.28	-2.96/-2.07	0.09/1.41	1.16/1.37	1.43/0.51	-0.53/-0.81	-1.79/-3.11	-2.30/-1.02	-0.47/-0.79	-2.11/-4.22	-6.32/-6.86	-5.08/-3.46	-3.84/-4.76
Θ (67.5°)	-6.07/-6.88	-4.88/-5.25	-5.91/-5.61	-8.70/-10.78	-10.80/-10.20	-8.72/-8.15	-7.22/-6.32	-5.55/-10.33	-10.83/-7.74	-6.55/-3.35	-2.64/-5.36	-6.87/-5.72	-1.01/-0.58	-0.93/-0.04	0.32/-1.06	-1.36/-1.78	-3.16/-4.54	-5.96/-3.32	-1.53/-2.89	-4.99/-5.40	-6.94/-6.16	-3.35/-1.91	-1.65/-3.01	
Θ (75°)	-6.53/-10.13	-14.28/-11.00	-10.19/-9.54	-9.02/-10.09	-12.16/-12.07	-8.32/-6.19	-7.11/-8.26	-7.37/-6.32	-8.26/-11.76	-8.84/-4.87	-3.53/-4.34	-5.44/-6.29	-5.88/-3.52	-2.05/-2.28	-2.26/-0.60	0.84/1.12	2.89/2.37	0.83/-0.30	-1.76/-1.21	-0.18/0.11	-1.74/-2.01	-4.05/-8.73	-5.11/-3.92	-3.70/-4.06
Θ (82.5°)	-13.90/-14.02	-13.85/-9.85	-10.34/-8.97	-12.95/-12.73	-11.18/-9.10	-6.89/-5.80	-5.00/-5.62	-8.42/-11.90	-9.29/-7.96	-10.87/-6.76	-6.33/-6.40	-11.68/-11.05	-8.89/-4.66	-2.42/-2.89	-3.17/-1.10	-0.74/0.31	1.36/0.11	-1.34/-2.50	-2.24/-0.43	0.41/-0.19	-1.64/-2.66	-4.53/-6.15	-4.55/-3.74	-7.39/-8.57
Θ (90°)	-10.77/-9.05	-11.35/-10.32	-11.53/-9.93	-12.69/-15.80	-11.89/-8.64	-5.38/-4.70	-5.81/-7.22	-7.28/-7.87	-8.73/-9.94	-10.31/-10.18	-6.38/-9.61	-11.02/-11.75	-10.39/-5.97	-2.61/-3.66	-4.10/-2.25	-0.58/2.59	3.51/2.49	-0.26/-1.20	-0.28/0.17	0.07/0.13	-0.88/-2.23	-2.21/-4.70	-7.77/-10.72	-9.15/-10.17
Θ (97.5°)	-9.88/-12.68	-10.80/-10.36	-11.00/-10.30	-10.61/-15.69	-14.46/-14.82	-8.23/-4.69	-6.78/-14.85	-7.94/-7.87	-7.73/-8.67	-7.58/-12.34	-12.18/-11.12	-12.89/-13.15	-10.70/-7.13	-4.35/-6.22	-5.92/-3.44	1.12/3.53	4.43/3.65	1.67/1.36	1.42/1.46	0.24/-0.45	-0.83/-2.32	-5.35/-6.51	-11.12/-11.23	-8.19/-8.25
Θ (105°)	-9.12/-10.97	-7.83/-8.92	-10.44/-10.70	-11.69/-8.91	-5.49/-7.11	-0.97/-0.50	-9.86/-15.03	-11.31/-7.91	-10.25/-13.87	-13.16/-10.62	-9.95/-11.12	-15.52/-9.56	-7.61/-5.76	-3.97/-4.21	-5.56/-6.87	-1.94/0.58	2.56/2.16	-0.47/-0.96	-1.12/-0.15	-0.26/-1.55	-0.85/-0.43	-2.94/-6.68	-9.32/-13.97	-10.06/-7.01
Θ (112.5°)	-11.41/-13.18	-10.49/-10.88	-10.25/-9.69	-11.80/-11.06	-12.06/-10.76	-14.64/-13.48	-14.53/-14.35	-10.48/-12.47	-13.99/-15.10	-9.48/-12.47	-13.87/-11.14	-11.02/-8.92	-4.60/-3.45	-3.63/-6.99	-8.88/-10.93	-3.46/0.42	2.75/0.54	-1.25/-1.55	-1.68/-0.70	-3.71/-7.72	-2.93/-3.00	-5.70/-10.39	-8.79/-7.76	-7.84/-8.47
Θ (120°)	-13.37/-15.91	-11.32/-10.05	-14.60/-11.03	-8.19/-10.97	-12.33/-12.45	-11.46/-9.55	-9.29/-12.38	-13.73/-13.87	-13.64/-7.73	-9.99/-13.75	-13.40/-11.41	-9.01/-10.17	-7.60/-6.83	-9.48/-9.26	-9.57/-11.96	-5.08/-1.11	0.60/0.44	-0.46/-1.15	2.27/1.22	-3.60/-2.00	0.42/-0.69	-3.29/-6.37	-7.72/-9.18	-4.55/-6.77
Θ (127.5°)	-5.64/-8.72	-12.17/-12.72	-11.79/-8.90	-7.70/-7.59	-8.41/-10.01	-12.47/-11.15	-12.12/-12.72	-13.90/-14.05	-10.17/-9.70	-10.69/-12.21	-12.16/-8.83	-7.24/-11.07	-5.64/-4.14	-7.09/-6.85	-5.89/-6.74	-2.92/0.38	0.62/0.99	-1.76/-1.38	1.61/0.23	-4.00/-9.95	0.58/-1.70	-3.13/-5.50	-1.31/-8.20	-2.33/-1.27
Θ (135°)	-3.97/-6.25	-5.27/-8.08	-9.51/-12.04	-9.61/-7.05	-5.64/-6.98	-9.25/-12.11	-11.17/-9.42	-10.51/-10.70	-13.32/-13.71	-11.74/-11.94	-4.81/-5.35	-5.39/-2.78	-3.44/-4.66	-4.66/-2.28	-0.60/0.88	-4.11/-2.86	0.80/0.48	-1.89/-0.76	-4.40/-6.14	-1.37/-5.14	-7.78/-11.27	-4.73/-8.17		
Θ (142.5°)	-6.02/-10.50	-6.23/-5.85	-7.84/-7.07	-5.73/-4.59	-5.64/-8.40	-9.32/-11.75	-12.68/-9.64	-7.93/-10.60	-11.45/-8.40	-9.61/-13.17	-15.82/-9.54	-7.63/-5.56	-3.10/-4.78	-7.69/-7.02	-5.52/-7.56	-6.70/-3.85	-0.75/-1.18	-3.84/-3.67	-1.17/-0.13	-1.87/-0.48	-5.26/-3.32	-3.50/-5.56	-7.47/-6.94	-5.90/-3.42
Θ (150°)	-5.11/-2.72	-2.13/-4.45	-5.23/-5.08	-4.84/-6.53	-8.17/-10.08	-10.04/-10.15	-9.07/-7.19	-6.25/-6.38	-7.13/-9.54	-14.04/-13.47	-7.26/-6.64	-8.39/-4.59	-4.94/-7.03	-7.13/-5.57	-5.29/-4.13	-3.48/-3.25	-2.30/-2.41	-2.97/-2.67	-1.00/-0.49	-3.15/-10.33	-10.56/-7.65	-6.45/-5.51	-5.57/-7.02	-8.60/-6.52
Θ (157.5°)	1.50/-0.56	-4.12/-9.06	-14.16/-14.21	-14.95/-13.65	-10.53/-6.10	-7.99/-9.00	-8.33/-6.81	-6.40/-6.82	-8.19/-11.73	-14.17/-9.24	-6.89/-5.43	-3.63/-1.75	-1.29/-2.40	-4.79/-6.77	-8.26/-9.41	-5.94/-9.30	-9.19/-9.24	-6.70/-4.23	-3.44/-3.63	-4.74/-6.28	-7.44/-7.14	-5.40/-3.01	-1.55/-0.17	1.64/2.26
Θ (165°)	-2.39/-2.31	-2.54/-3.71	-5.45/-7.35	-8.50/-9.14	-10.33/-13.90	-15.04/-12.93	-10.55/-8.74	-8.26/-9.82	-10.18/-9.58	-9.96/-12.03	-12.62/-8.71	-5.40/-3.42	-2.41/-2.13	-2.33/-3.05	-4.00/-5.13	-6.03/-6.15	-5.79/-5.08	-4.55/-4.34	-4.23/-4.03	-3.91/-3.91	-3.34/-2.55	-2.30/-2.10	-1.53/-1.75	-2.47/-2.73
Θ (172.5°)	-4.60/-4.90	-6.28/-7.35	-8.68/-6.36	-9.22/-10.13	-12.00/-13.48	-10.69/-9.07	-8.36/-7.96	-8.22/-9.27	-10.25/-10.97	-10.83/-10.61	-9.80/-7.81	-6.38/-5.36	-4.41/-4.04	-4.23/-4.91	-5.52/-5.73	-5.18/-4.33	-3.44/-7.22	-2.32/-2.05	-1.66/-1.35	-1.18/-1.14	-1.34/-2.10	-3.38/-4.65	-5.60/-6.42	-5.87/-6.48
Θ (180°)	-6.51/-7.63	-9.20/-8.51	-7.27/-6.09	-5.12/-4.56	-3.74/-3.07	-2.74/-2.71	-3.32/-4.09	-4.56/-4.99	-5.11/-5.34	-5.35/-5.26	-4.91/-4.60	-4.41/-4.41	-4.84/-5.24	-5.50/-5.51	-5.05/-4.78	-4.55/-4.41	-4.35/-4.66	-4.91/-4.63	-4.38/-4.36	-4.23/-4.62	-4.28/-4.54	-5.61/-7.64	-8.47/-7.01	-5.94/-5.93
Freq(Hz)	2.45GPol.	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°)	-8.43/-8.42	-8.51/-8.54	-8.61/-8.54	-8.31/-8.03	-7.74/-7.40	-7.08/-6.88	-6.82/-6.86	-6.82/-6.93	-7.71/-7.24	-7.71/-7.24	-7.71/-7.24	-8.48/-8.75	-8.92/-9.02	-8.92/-8.60	-8.16/-7.58	-7.17/-6.85	-6.67/-6.65	-6.57/-6.65	-6.84/-7.08	-6.84/-7.08	-8.04/-8.38	-8.63/-8.79	-8.84/-8.84	-8.72/-8.56
Θ (7.5°)	-9.54/-9.16	-8.79/-8.41	-8.05/-7.58	-7.06/-6.56	-6.03/-5.51	-5.08/-4.79	-4.62/-4.49	-4.39/-4.38	-4.47/-4.58	-4.73/-4.98	-5.38/-5.87	-6.32/-6.84	-7.33/-7.96	-8.45/-8.72	-8.74/-8.71	-8.64/-8.65	-8.64/-8.77	-8.98/-9.20	-9.56/-10.04	-10.72/-11.22	-11.76/-11.89	-11.49/-11.13	-10.69/-10.42	-10.13/-9.88
Θ (15°)	-8.64/-7.95	-7.38/-6.92	-6.49/-5.95	-5.32/-4.72	-4.13/-3.59	-3.13/-2.73	-2.42/-2.20	-2.03/-1.91	-1.89/-1.95	-2.08/-2.28	-2.53/-2.87	-3.32/-3.82	-4.45/-5.17	-6.01/-6.72	-7.39/-7.94	-8.45/-8.90	-9.55/-10.33	-11.32/-12.45	-12.92/-13.62	-14.65/-13.43	-12.20/-11.78	-11.2		



Antenna Pattern <2.4GHz and 5GHz U-NII 1~U-NII 4>

Appendix C

Θ(15°)	-2.14/-1.86	-1.38/-0.95	-0.63/-0.25	0.05/0.26	0.66/1.02	1.20/1.41	1.66/1.87	1.93/1.89	1.75/1.63	1.42/1.14	0.84/0.53	0.25/0.10	-0.11/-0.18	-0.26/-0.35	-0.39/-0.35	-0.32/-0.21	-0.21/-0.28	-0.42/-0.73	-1.00/-1.25	-1.63/-2.04	-2.29/-2.43	-2.53/-2.69	-2.66/-2.56	-2.63/-2.33
Θ(22°)	-3.88/-3.10	-2.73/-2.46	-2.11/-1.49	-0.91/-0.25	0.47/0.84	1.28/1.81	2.08/2.23	2.20/2.08	1.83/1.48	1.09/0.62	0.08/-0.58	-1.03/-1.31	-1.59/-1.77	-1.86/-1.80	-1.53/-1.28	-1.02/-0.76	-0.64/-0.70	-0.90/-1.29	-1.67/-1.88	-2.11/-2.52	-2.95/-3.12	-3.34/-3.88	-4.55/-4.72	-4.89/-4.43
Θ(30°)	-5.47/-4.56	-4.10/-3.70	-3.04/-1.96	-0.80/-0.16	0.87/1.16	1.68/1.92	1.98/2.95	2.05/2.07	1.85/1.57	1.29/0.96	0.51/0.22	-0.09/-0.33	-0.51/-1.17	-1.50/-1.99	-2.35/-2.26	-2.46/-2.57	-2.15/-1.62	-1.27/-1.17	-1.24/-1.77	-2.72/-3.37	-2.94/-3.44	-3.86/-4.27	-4.70/-5.03	-3.31/-5.86
Θ(37.5°)	-5.82/-5.32	-4.82/-4.20	-3.11/-1.81	-0.80/-0.04	0.61/1.08	1.58/1.63	1.70/1.75	1.66/1.61	1.55/1.40	1.28/1.05	0.59/0.22	0.05/-0.69	-1.56/-2.13	-2.72/-3.48	-3.73/-3.36	-2.83/-2.96	-3.38/-4.31	-5.37/-5.67	-5.06/-5.13	-5.79/-6.22	-5.78/-5.78	-6.15/-6.54	-7.20/-7.79	-7.38/-6.76
Θ(45°)	-8.40/-7.35	-6.07/-4.72	-2.69/-0.99	0.25/0.95	1.51/1.81	2.19/2.13	2.03/1.92	1.72/1.59	1.58/1.53	1.47/1.35	0.82/0.17	-0.29/-0.83	-1.18/-1.41	-1.73/-2.48	-3.64/-4.42	-4.68/-4.52	-4.20/-3.96	-3.70/-6.10	-4.77/-6.10	-6.46/-6.31	-7.20/-7.96	-8.96/-9.83	-11.34/-11.72	-10.91/-9.74
Θ(52.5°)	-7.19/-6.30	-5.14/-3.44	-1.94/-0.57	0.57/1.36	1.96/2.25	2.38/2.44	2.42/2.24	2.05/1.83	1.69/1.39	0.79/0.27	-0.51/-1.17	-1.50/-1.99	-2.18/-2.39	-3.15/-4.09	-4.85/-6.05	-6.81/-6.89	-7.09/-7.42	-8.32/-8.13	-7.60/-7.19	-9.14/-10.05	-11.10/-12.37	-12.18/-11.85	-10.39/-8.41	
Θ(60°)	-12.99/-10.12	-8.42/-6.26	-4.09/-2.10	-0.49/0.68	1.53/1.98	2.28/2.50	2.67/2.78	2.71/2.58	2.35/1.95	1.18/0.24	-0.94/-2.05	-2.65/-3.22	-4.02/-4.74	-5.21/-5.01	-4.87/-5.69	-6.07/-6.49	-6.96/-8.32	-7.52/-7.28	-6.81/-7.49	-9.34/-10.59	-11.87/-15.18	-13.91/-13.81	-14.49/-15.90	-14.94/-14.46
Θ(67.5°)	-11.96/-10.31	-8.02/-6.53	-4.88/-3.24	-1.48/-0.25	0.64/1.28	1.55/1.50	1.42/1.65	2.03/2.42	2.83/2.83	2.23/1.07	-0.38/-1.96	-3.40/-5.14	-6.78/-8.39	-8.31/-8.01	-7.66/-7.41	-7.58/-8.57	-9.54/-12.21	-13.90/-10.94	-11.09/-14.64	-11.86/-9.65	-11.65/-13.47	-15.30/-13.79	-15.31/-14.99	-15.24/-13.74
Θ(75°)	-10.12/-9.29	-7.72/-6.11	-4.01/-2.33	-1.33/-0.73	-0.09/0.16	0.10/0.26	0.35/0.06	-0.14/0.10	0.73/1.21	1.32/0.62	-0.59/-2.48	-4.61/-6.29	-7.80/-9.44	-10.75/-12.97	-11.31/-11.22	-11.20/-9.99	-10.95/-13.64	-11.05/-14.47	-13.63/-13.38	-10.14/-12.69	-14.44/-15.71	-15.74/-15.33	-15.00/-14.62	-14.28/-10.98
Θ(82.5°)	-11.74/-9.60	-7.90/-6.43	-4.98/-3.59	-1.85/-0.18	0.81/1.16	1.05/0.26	-0.88/-1.51	-1.48/-1.01	-0.55/-0.36	-0.88/-2.46	-4.56/-6.55	-8.52/-10.27	-12.46/-13.95	-16.03/-15.15	-15.61/-15.45	-12.90/-11.86	-12.93/-15.33	-14.98/-12.22	-14.84/-12.87	-11.74/-11.16	-14.99/-15.97	-14.86/-15.03	-15.98/-15.13	-15.73/-13.31
Θ(90°)	-12.78/-11.43	-10.18/-7.74	-5.31/-3.39	-2.12/-1.06	0.20/1.18	1.52/1.47	0.97/0.22	-0.14/-0.11	-0.25/-0.89	-1.77/-2.74	-4.30/-6.16	-8.35/-10.47	-12.38/-13.58	-13.02/-14.25	-14.92/-15.32	-14.84/-13.84	-14.10/-13.47	-10.22/-14.93	-15.88/-15.60	-11.66/-15.48	-15.89/-13.20	-14.42/-15.84	-15.60/-15.77	-12.19/-11.22
Θ(97.5°)	-14.41/-15.40	-13.41/9.80	-7.86/-6.63	-4.89/-2.64	-0.76/0.67	1.69/1.96	1.58/0.87	0.48/0.45	0.42/-0.25	-1.85/-3.59	-3.32/-7.68	-11.69/-13.80	-15.93/-15.89	-15.30/-15.57	-15.23/-16.18	-14.12/-11.74	-11.43/-13.52	-15.97/-15.35	-14.75/-15.57	-15.52/-14.20	-14.06/-14.78	-14.99/-15.09	-15.26/-15.40	
Θ(105°)	-13.54/-14.12	-12.08/-9.07	-6.22/-4.32	-3.34/-2.72	-2.15/-1.10	-0.26/0.62	1.11/0.84	0.17/-0.37	-1.01/-1.20	-1.53/-2.95	-5.20/-7.87	-10.33/-12.33	-13.27/-14.38	-13.58/-14.19	-15.44/-14.87	-15.23/-15.09	-15.70/-12.59	-13.44/-14.91	-15.14/-13.99	-15.14/-14.42	-13.69/-12.59	-13.68/-14.96	-14.82/-13.58	-13.26/-13.12
Θ(112.5°)	-15.16/-12.96	-8.82/-7.23	-6.05/-5.22	-4.38/-2.87	-1.76/-1.15	-0.83/-0.74	-0.85/-0.35	0.09/-0.16	-0.67/-1.48	-2.90/-4.28	-5.64/-8.16	-9.97/-12.88	-14.80/-14.46	-15.62/-14.90	-14.98/-15.44	-11.63/-11.91	-15.44/-15.58	-15.87/-15.69	-14.40/-12.87	-13.39/-15.28	-15.19/-17.42	-12.53/-12.48	-13.24/-15.28	
Θ(120°)	-12.97/-11.22	-9.35/-8.78	-7.36/-6.57	-5.70/-5.30	-4.63/-4.36	-2.68/-2.01	-1.07/-0.60	-0.47/-0.58	-1.28/-2.35	-2.97/-4.09	-4.70/-6.50	-6.39/-6.50	-7.72/-8.16	-9.53/-11.17	-12.47/-12.53	-13.88/-14.80	-16.37/-14.58	-13.60/-15.78	-15.01/-15.51	-15.40/-13.30	-15.25/-15.59	-14.64/-15.78	-15.86/-15.99	-14.88/-15.15
Θ(127.5°)	-10.73/-10.83	-8.44/-8.11	-6.62/-6.00	-5.26/-4.91	-5.06/-4.65	-3.79/-2.82	-1.92/-0.91	-0.25/0.13	0.36/0.09	-0.97/-2.71	-4.55/-6.20	-7.17/-7.85	-9.90/-10.69	-10.94/-12.96	-13.67/-14.09	-12.52/-14.87	-14.47/-15.59	-11.62/-15.12	-15.43/-15.45	-15.21/-15.47	-14.29/-14.17	-14.84/-14.44	-13.45/-12.83	-12.36/-10.78
Θ(135°)	-9.87/-9.06	-8.52/-8.33	-7.54/-6.12	-4.49/-2.57	-1.33/-0.57	-0.08/0.18	0.34/0.66	1.22/1.64	1.55/0.71	-0.87/-2.76	-4.86/-6.59	-8.69/-10.36	-10.84/-12.63	-11.09/-9.94	-11.17/-11.10	-10.66/-8.41	-9.43/-10.46	-13.35/-14.81	-15.61/-16.22	-14.41/-15.78	-15.06/-16.80	-15.21/-14.30	-11.70/-7.85	
Θ(142.5°)	-15.03/-14.31	-11.81/-9.22	-6.56/-4.98	-3.33/-2.68	-1.30/-0.22	0.50/0.92	1.31/1.06	0.90/0.68	0.15/-0.97	-2.33/-3.58	-4.94/-6.71	-8.50/-10.40	-13.98/-12.64	-11.99/-13.34	-14.34/-12.64	-10.53/-9.92	-9.53/-10.09	-13.50/-15.84	-15.38/-15.50	-14.60/-13.36	-10.46/-12.45	-13.13/-12.30	-10.96/-12.92	-13.50/-15.56
Θ(150°)	-4.98/-3.78	-3.99/-4.67	-4.83/-5.03	-5.09/-4.44	-3.23/-1.95	-0.94/-0.21	0.25/0.42	0.11/-0.76	-1.97/-3.01	-3.32/-2.91	-2.34/-2.29	-2.53/-2.51	-2.91/-4.04	-4.89/-5.54	-7.09/-9.02	-10.58/-12.72	-14.14/-13.10	-13.92/-14.68	-14.73/-13.76	-11.56/-11.46	-12.00/-14.79	-13.93/-9.82	-7.66/-6.29	-5.47/-5.64
Θ(157.5°)	-7.92/-7.06	-6.66/-6.73	-6.32/-5.97	-5.75/-5.47	-4.91/-3.89	-2.76/-1.83	-1.44/-1.66	-2.43/-3.57	-4.69/-5.47	-5.60/-5.32	-5.09/-4.77	-4.25/-3.66	-3.42/-3.49	-3.45/-3.44	-3.91/-5.07	-6.97/-9.35	-10.89/-10.74	-10.31/-10.31	-10.83/-11.31	-11.62/-11.50	-11.85/-13.22	-15.53/-11.29	-8.16/-8.88	-9.77/-9.05
Θ(165°)	-10.91/-10.44	-8.86/-8.95	-8.26/-7.50	-6.57/-6.75	-4.97/-4.22	-3.59/-3.11	-3.08/-3.37	-3.86/-4.29	-4.77/-4.97	-4.92/-4.75	-4.52/-3.98	-3.66/-3.32	-3.28/-3.81	-5.07/-7.02	-9.89/-13.71	-15.60/-15.47	-15.78/-15.93	-16.03/-15.06	-14.98/-15.06	-15.47/-14.35	-12.27/-12.18	-13.97/-15.57	-15.20/-15.62	-13.99/-12.59
Θ(172.5°)	-13.20/-12.33	-11.97/-11.91	-12.09/-11.49	-10.73/-9.86	-9.19/-8.68	-8.32/-7.93	-8.20/-8.77	-9.59/-10.46	-11.91/-13.48	-14.54/-15.45	-15.61/-15.17	-14.11/-14.15	-15.54/-15.75	-15.57/-14.32	-12.72/-12.71	-12.00/-11.84	-12.25/-12.96	-13.89/-13.98	-13.87/-13.44	-14.27/-15.24	-14.88/-13.30	-13.21/-14.84	-14.70/-15.25	-14.36/-13.72
Θ(180°)	-14.48/-14.02	-13.82/-14.09	-14.21/-15.61	-15.53/-15.76	-15.41/-15.51	-15.84/-14.78	-14.95/-14.86	-15.50/-15.58	-14.85/-15.51	-14.94/-14.55	-14.21/-13.30	-12.74/-12.03	-12.12/-12.31	-12.29/-12.91	-13.10/-12.96	-12.87/-13.39	-14.50/-15.62	-14.56/-14.79	-14.44/-14.84	-15.17/-15.56	-15.24/-15.03	-15.17/-15.69	-15.40/-15.02	-15.47/-14.50
Freq[Hz]	5.785GHz	Total/Ant. 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	0.57/0.43	0.35/0.24	0.17/0.17	0.20/0.17	0.08/0.04	-0.15/-0.12	-0.18/-0.18	-0.14/0.01	0.16/0.25	0.24/0.12	0.02/0.15	-0.21/-0.08	0.06/0.07	-0.01/-0.02	0.05/0.12	0.09/0.02	-0.03/-0.07	-0.00/0.15	0.26/0.28	0.25/0.19	0.20/0.12	0.15/0.21	0.30/0.40	0.56/0.63
Θ(7.5°)	-0.11/-0.00	0.13/0.09	-0.03/-0.13	-0.09/-0.09	-0.18/-0.22	-0.12/0.01	0.04/0.07	0.07/0.12	0.32/0.44	0.48/0.51	0.48/0.37	0.37/0.38	0.34/0.28	0.27/0.13	-0.05/-0.18	-0.31/-0.37	-0.43/-0.53	-0.47/-0.47	-0.50/-0.59	-0.69/-0.69	-0.66/-0.66	-0.61/-0.49	-0.36/-0.26	-0.10/-0.00
Θ(15°)	-1.50/-1.55	-1.49/-1.56	-1.47/-1.28	-0.92/-0.66	-0.46/-0.09	0.26/0.51	0.72/0.85	0.95/0.99	0.99/0.88	0.71/0.45	0.28/0.11	0.01/-0.05	-0.26/-0.39	-0.58/-0.64	-0.68/-0.74	-0.82/-0.97	-1.23/-1.37	-1.46/-1.59	-1.73/-2.12	-2.34/-2.35	-2.37/-2.36	-2.17/-1.97	-1.77/-1.62	-1.41/-1.50
Θ(22.5°)	-4.35/-4.82	-4.65/-4.03	-3.12/-2.34	-1.56/-1.16	-0.57/0.15	0.57/1.10	1.58/2.01	2.33/-2.41	2.28/1.91	1.40/0.94	0.61/0.28	-0.09/-0.58	-0.97/-1.14	-1.01/-0.75	-0.65/-0.60	-0.73/-1.00	-1.26/-1.46	-1.63/-1.89	-2.34/-3.00	-3.95/-4.28	-4.25/-4.54	-4.78/-4.92	-4.52/-4.13	-3.89/-4.46
Θ(30°)	-6.98/-6.83	-6.79/-4.36	-2.84/-1.89	-1.20/-0.69	0.13/0.92	1.38/2.01	2.59/3.01	3.20/3.24	3.10/2.67	1.99/1.41	1.06/0.57	0.09/-0.26	-0.66/-1.31	-2.11/-2.77	-3.07/-3.01	-2.76/-2.12	-1.38/-1.24	-2.07/-3.27	-3.86/-4.07	-4.57/-5.96	-7.02/-6.97	-7.23/-7.37	-7.00/-7.74	-7.46/-7.10
Θ(37.5°)	-7.91/-7.45	-6.63/-3.79	-2.97/-1.15	-0.17/0.69	1.32/1.64	1.94/-2.54	2.79/3.33	3.32/2.83	3.02/2.60	2.00/1.31	0.69/-0.15	-0.73/-0.99	-1.60/-2.67	-3.42/-3.79	-4.15/-4.09	-3.15/-1.94	-1.71/-2.27	-2.94/-3.74	-4.70/-5.80	-6.26/-5.40	-5.56/-5.66	-7.63/-9.44	-8.93/-8.25	-8.58/-8.25
Θ(45°)	-4.96/-4.21	-2.84/-2.16	-1.55/-0.87	-0.10/0.74	1.19/1.36	1.41/1.69	2.03/2.38	2.66/2.79	2.65/2.37	1.80/1.31	1.05/0.53	0.04/-0.42	-1.27/-1.93	-2.71/-3.57	-4.80/-4.56	-4.59/-3.28	-3.10/-3.78	-5.19/-6.45	-6.77/-5.79	-5.00/-6.79	-9.29/-10.74	-10.29/-10.18	-9.58/-7.72	-6.26/-5.25
Θ(52.5°)	-6.80/-5.30	-3.74/-2.74	-0.98/0.80	2.09/2.85	2.92/2.75	2.48/2.14	1.86/1.82	1.73/1.65	1.65/1.86	1.85/1.51	1.12/0.51	-0.10/-0.89	-1.83/-2.69	-3.15/-3.66	-4.22/-5.24	-5.83/-6.06	-6.01/-6.76	-7.88/-7.60	-5.06/-5.31	-7.80/-9.23	-10.09/-10.89	-12.57/-10.74	-11.96/-10.23	-7.86/-6.77
Θ(60°)	-8.38/-6.94	-6.65/-3.86	-1.83/0.02	1.47/2.48	3.08/3.15	2.79/-2.56	2.38/2.08	1.75/1.67	1.62/1.50	1.18/0.54	-0.07/-0.83	-1.59/-2.81	-7.32/-4.66	-5.22/-5.01	-4.45/-5.21	-6.75/-7.94	-7.98/-9.55	-10.79/-8.55	-7.35/-8.24	-10.43/-11.23	-12.24/-12.37	-11.99/-13.62	-11.71/-9.52	
Θ(																								



Antenna Pattern <2.4GHz and 5GHz U-NII 1~U-NII 4>

Appendix C

Θ(67.5°)	-6.75/-7.10	-6.49/-5.92	-6.10/-6.15	-6.14/-6.98	-8.84/-11.82	-10.98/-10.71	-13.94/-13.66	-12.47/-9.34	-10.26/-11.92	-11.36/-7.07	-5.24/-4.55	-3.36/-3.08	-0.64/-1.05	1.20/-1.70	1.71/-0.68	0.31/-1.26	-2.61/-0.92	-0.22/-0.91	-3.81/-4.94	-4.32/-5.77	-6.28/-8.40	-5.15/-6.52	-6.96/-9.75	-10.50/-7.53
Θ(75°)	-7.27/-10.82	-11.24/-11.84	-11.62/-13.31	-12.58/-13.80	-12.73/-11.55	-11.32/-10.90	-11.47/-9.74	-11.32/-12.92	-10.11/-7.80	-8.92/-7.11	-7.99/-7.17	-3.69/-2.23	-1.64/-0.20	1.37/-1.62	1.20/-0.00	-1.15/-3.47	-3.04/-1.28	-2.09/-3.97	-5.91/-4.32	-1.74/-5.67	-8.87/-6.67	-4.02/-5.78	-7.84/-9.13	-8.31/-6.17
Θ(82.5°)	-4.66/-6.90	-8.83/-10.20	-12.23/-13.24	-13.37/-11.94	-11.76/-12.61	-11.84/-9.94	-9.96/-11.54	-8.64/-10.89	-11.96/-9.33	-7.06/-5.18	-3.48/-2.86	-1.58/-0.59	-0.48/-0.40	1.78/-0.23	1.56/-0.79	-0.36/-2.25	-1.31/-0.45	-0.11/-2.55	-0.09/-2.61	0.19/-2.64	-4.66/-6.93	-6.87/-8.72	-10.57/-14.26	-10.47/-6.68
Θ(90°)	-7.62/-10.54	-9.57/-7.56	-7.73/-8.35	-8.85/-7.69	-10.41/-14.93	-15.25/-13.06	-12.77/-12.17	-11.93/-11.18	-10.44/-10.92	-11.91/-7.29	-3.28/-2.62	-1.47/-0.99	-0.26/-0.33	1.32/-2.72	2.62/-0.17	0.07/-1.14	2.13/-2.41	2.50/-0.27	-1.69/-0.00	-0.55/-3.97	-5.84/-5.49	-5.16/-4.76	-4.04/-7.83	-8.40/-4.82
Θ(97.5°)	-4.79/-8.28	-8.13/-8.19	-11.20/-12.12	-11.31/-9.94	-10.06/-12.13	-15.26/-12.56	-13.15/-15.46	-15.43/-15.11	-15.48/-15.55	-10.10/-7.34	-6.98/-6.06	-3.72/-4.92	-2.45/-0.76	0.24/-2.91	3.24/-0.54	-0.06/-1.88	2.77/-0.00	1.67/-0.07	-3.22/-0.26	0.98/-3.15	-3.53/-1.51	-6.20/-10.80	-11.13/-12.14	-7.87/-5.01
Θ(105°)	-3.77/-9.23	-11.46/-12.71	-13.44/-9.07	-8.84/-12.57	-15.18/-14.04	-7.50/-7.38	-8.27/-14.39	-10.46/-10.95	-11.71/-13.87	-12.94/-8.88	-5.51/-4.78	-2.79/-2.06	0.69/-1.08	2.20/-4.44	4.13/-1.26	-1.08/-0.99	1.52/-3.67	2.71/-0.19	-0.47/-0.14	1.52/-3.67	-5.41/-6.64	-4.34/-10.42	-10.11/-6.13	
Θ(112.5°)	-4.45/-4.84	-6.04/-6.58	-10.27/-11.96	-9.41/-8.75	-11.42/-15.38	-13.78/-11.91	-11.42/-12.74	-14.09/-12.47	-12.34/-11.80	-9.90/-5.79	-5.91/-3.64	-2.01/-1.62	0.23/-0.25	0.87/-2.90	1.48/-3.64	-0.58/-1.78	3.67/-4.05	4.02/-0.19	-3.14/-1.79	2.89/-1.30	-3.81/-1.33	-2.16/-4.70	-2.35/-5.20	-9.22/-5.93
Θ(120°)	-5.91/-6.63	-7.55/-8.60	-9.50/-6.86	-6.70/-11.91	-10.90/-13.08	-15.28/-15.79	-15.68/-14.00	-11.99/-11.47	-13.91/-12.45	-13.42/-14.02	-15.35/-8.73	-6.38/-5.15	-4.71/-4.83	-0.69/-0.53	-2.52/-3.66	-0.10/-1.11	2.64/-1.69	2.08/-1.86	-2.36/-3.06	3.30/-2.00	-5.86/-1.35	-3.49/-4.89	-2.47/-1.56	-3.47/-4.53
Θ(127.5°)	-11.05/-7.09	-8.42/-7.95	-4.60/-5.65	-10.25/-15.40	-15.25/-14.03	-9.85/-10.10	-13.26/-12.82	-11.08/-11.62	-11.41/-11.21	-14.38/-15.34	-13.62/-11.05	-9.89/-8.63	-8.68/-6.38	-4.24/-3.42	-2.95/-1.67	-2.15/-0.27	1.07/-0.29	-0.80/-6.51	-7.29/-0.00	2.05/-0.84	-4.72/-5.10	-2.05/-2.49	-4.39/-5.39	-10.78/-14.52
Θ(135°)	-3.90/-7.11	-6.54/-5.88	-5.21/-7.26	-11.54/-13.17	-12.47/-9.66	-8.28/-9.03	-11.10/-10.77	-8.16/-7.24	-6.09/-6.44	-9.20/-12.79	-13.79/-11.20	-8.06/-6.72	-6.74/-5.02	-2.58/-0.87	-0.43/-1.66	-2.50/-1.02	-0.79/-1.42	-3.07/-7.87	-7.81/-2.65	-0.49/-2.37	-6.88/-5.39	-2.73/-5.60	-9.58/-7.49	-3.10/-2.17
Θ(142.5°)	-12.67/-14.36	-15.18/-16.29	-13.64/-8.67	-5.95/-9.32	-3.26/-3.53	-4.94/-7.32	-9.76/-11.14	-10.90/-9.98	-7.42/-6.80	-6.55/-7.46	-8.26/-6.80	-4.65/-3.87	-3.96/-3.34	-1.97/-1.55	-1.75/-0.54	-0.02/-0.73	-1.82/-3.10	-4.85/-7.67	-9.01/-4.06	-0.04/-0.37	-6.47/-14.60	-14.98/-9.07	-5.51/-4.68	-4.17/-7.18
Θ(150°)	-8.32/-8.64	-8.25/-7.80	-8.23/-9.55	-10.43/-8.72	-7.72/-8.67	-4.58/-4.74	-7.13/-7.78	-5.89/-9.60	-8.67/-7.29	-6.32/-5.52	-4.51/-4.01	-4.30/-5.31	-6.17/-7.38	-6.18/-4.23	-2.39/-1.65	-2.64/-4.33	-4.67/-6.63	-8.99/-7.69	-6.51/-3.50	-1.47/-0.81	-1.54/-2.59	-3.66/-4.84	-5.74/-6.42	-7.18/-8.07
Θ(157.5°)	-10.32/-10.64	-11.14/-12.48	-12.05/-11.34	-10.08/-10.31	-11.94/-13.29	-13.87/-11.93	-9.05/-8.43	-9.20/-9.60	-9.22/-7.85	-6.00/-4.35	-3.32/-3.32	-3.76/-4.00	-4.05/-3.97	-3.54/-2.96	-2.28/-2.14	-2.40/-2.61	-3.27/-3.83	-3.69/-3.25	-3.50/-2.84	-1.14/-0.67	0.82/-0.13	-1.46/-5.39	-10.20/-10.95	-8.77/-8.53
Θ(165°)	-7.77/-9.12	-10.26/-11.36	-11.10/-10.14	-10.37/-11.39	-12.37/-12.14	-12.90/-12.59	-11.89/-11.45	-11.98/-12.32	-11.39/-8.87	-6.88/-5.52	-7.47/-9.68	-11.61/-12.46	-12.29/-10.92	-8.87/-6.70	-6.65/-6.00	-5.21/-4.12	-3.56/-3.23	-3.27/-3.16	-2.94/-2.38	-2.98/-4.33	-4.97/-5.99	-6.83/-7.36	-7.62/-7.81	
Θ(172.5°)	-10.92/-10.75	-10.52/-10.06	-10.39/-10.13	-10.35/-9.67	-8.18/-8.16	-9.08/-10.00	-12.62/-13.71	-14.01/-14.24	-15.95/-15.10	-13.53/-12.65	-13.05/-13.67	-14.24/-14.77	-15.49/-15.33	-15.05/-15.63	-14.66/-13.82	-11.94/-9.59	-7.62/-4.64	-6.47/-6.86	-3.27/-7.39	-7.68/-8.50	-11.58/-15.25	-10.80/-8.00	-8.27/-10.59	-12.61/-12.99
Θ(180°)	-9.14/-8.97	-9.20/-10.07	-11.20/-12.05	-14.03/-12.61	-11.06/-10.80	-11.65/-12.25	-13.60/-13.29	-11.84/-11.22	-10.88/-11.29	-11.23/-10.62	-9.63/-8.87	-8.29/-7.64	-7.59/-7.79	-8.14/-8.34	-8.97/-9.58	-8.66/-9.09	-8.61/-8.27	-8.46/-8.91	-9.41/-10.06	-11.18/-12.43	-14.40/-15.20	-9.86/-6.38	-6.68/-8.07	-8.91/-9.24
Freq(Hz)	5.60/GPol.	TotalAnt.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	6.13/-6.14	6.01/-6.37	6.56/-6.01	5.38/-6.33	5.54/-5.07	5.25/-5.38	5.07/-5.54	5.75/-6.04	5.93/-5.94	5.91/-6.12	6.26/-6.51	6.53/-6.68	6.64/-6.72	7.13/-7.66	8.17/-8.39	8.86/-8.67	8.78/-8.66	8.98/-9.08	8.50/-7.91	7.58/-7.29	6.75/-7.08	7.40/-6.87	6.71/-6.34	6.08/-6.24
Θ(7.5°)	-4.34/-8.18	-8.35/-8.51	-9.27/-9.55	-8.87/-8.10	-7.86/-7.01	-6.95/-7.21	-7.20/-7.23	-7.06/-6.90	-6.81/-6.92	-7.11/-6.78	-6.26/-6.75	-5.32/-4.60	-3.86/-3.34	-2.93/-2.48	-2.38/-2.39	-2.50/-2.76	-2.71/-2.58	-2.95/-3.19	-3.69/-4.03	-4.38/-4.56	-5.05/-5.42	-6.10/-6.79	-7.18/-7.14	-8.29/-8.45
Θ(15°)	-4.69/-6.91	-6.78/-6.68	-6.23/-5.82	-5.33/-5.11	-4.24/-5.02	-4.58/-4.34	-3.61/-3.25	-2.76/-2.48	-2.72/-3.49	-4.67/-5.60	-6.88/-6.98	-5.76/-4.20	-3.71/-1.72	-0.89/-0.53	-0.39/-0.34	-0.46/-0.72	-1.02/-1.14	-1.37/-1.46	-1.58/-2.41	-5.48/-5.96	-6.40/-5.93	-5.08/-3.82	-5.30/-5.00	
Θ(22.5°)	-2.14/-2.77	4.88/-6.36	-5.96/-4.88	4.17/-4.48	5.32/-6.72	9.10/-9.23	7.58/-6.06	4.83/-3.84	2.97/-2.58	3.12/-4.70	-6.82/-7.82	-7.41/-5.59	-3.71/-1.94	-0.86/-0.30	-0.33/-0.90	-1.55/-2.32	-2.84/-2.96	-2.93/-2.66	-2.45/-2.88	-3.34/-4.45	-5.61/-6.13	-6.12/-4.93	-3.60/-2.43	-3.26/-2.30
Θ(30°)	-7.35/-6.91	-6.30/-6.88	-7.21/-5.72	-4.32/-3.59	-3.69/-4.42	-5.97/-8.05	-9.63/-10.82	-10.13/-9.46	-8.48/-6.88	-4.91/-3.93	-4.10/-4.45	-4.25/-3.73	-2.80/-1.92	-0.90/-0.20	-0.03/-0.22	-0.62/-0.76	-1.10/-1.87	-2.69/-3.82	-5.19/-6.93	-7.04/-7.46	-6.88/-6.13	-5.23/-4.27	-3.14/-3.56	-4.42/-5.51
Θ(37.5°)	-15.66/-10.76	-8.78/-6.71	-7.39/-7.02	-6.77/-7.46	-7.91/-7.17	-6.25/-6.71	-9.17/-8.90	-6.79/-6.78	-7.30/-6.10	-5.25/-4.73	-4.12/-3.39	-2.56/-2.10	-2.04/-1.84	-0.90/-0.31	0.65/-0.28	-0.90/-0.58	0.06/-0.78	1.01/-0.15	-1.94/-4.77	-6.37/-7.55	-9.17/-7.41	-5.58/-6.76	-8.92/-13.47	
Θ(45°)	-8.77/-8.58	-6.25/-6.17	-6.44/-5.98	-7.92/-12.28	-14.62/-15.33	-13.86/-15.09	-15.23/-15.06	-14.37/-10.74	-6.60/-4.60	-3.71/-4.77	-5.37/-3.56	-2.62/-3.39	-2.27/-0.08	1.11/-1.00	0.63/-0.44	-0.69/-0.16	0.95/-1.16	-0.03/-1.62	-1.86/-1.61	-1.59/-2.37	-5.11/-7.13	-8.69/-11.25	-13.20/-15.21	-11.97/-8.06
Θ(52.5°)	-7.03/-9.46	-12.26/-11.47	-9.96/-8.75	-10.84/-16.66	-11.62/-10.18	-11.19/-12.00	-13.63/-15.54	-14.13/-14.47	-8.85/-7.65	-5.15/-3.96	-4.60/-2.47	-0.23/-0.57	0.75/-2.63	3.05/-2.66	2.59/-2.68	2.70/-2.65	2.37/-1.44	0.91/-0.04	-2.18/-3.07	-1.93/-3.06	-4.61/-5.93	-7.57/-9.27	-9.91/-11.31	-11.03/-7.25
Θ(60°)	-9.95/-11.37	-15.44/-13.27	-9.03/-9.94	-9.80/-13.89	-14.15/-10.76	-8.46/-8.85	-12.35/-13.23	-9.80/-8.92	-8.93/-7.48	-6.60/-5.65	-5.05/-4.15	-2.72/-2.75	1.90/-2.33	2.49/-0.03	0.86/-1.05	2.23/-4.43	1.22/-1.06	1.33/-0.30	-0.53/-1.23	-2.69/-3.10	-4.71/-5.98	-7.44/-10.04	-12.13/-10.09	
Θ(67.5°)	-6.13/-10.81	-11.59/-8.80	-6.55/-5.54	-4.67/-5.80	-9.56/-13.18	-11.53/-9.49	-10.73/-13.38	-15.08/-15.03	-11.77/-9.68	-11.37/-7.88	-5.42/-5.35	-2.48/-2.59	-3.25/-0.16	1.37/-1.73	1.74/-1.65	2.48/-2.11	0.07/-1.07	0.61/-1.15	-3.23/-1.62	0.01/-2.49	-4.45/-3.53	-5.72/-7.02	-6.04/-6.24	-5.03/-3.76
Θ(75°)	-7.75/-8.69	-9.18/-7.34	-9.43/-11.69	-12.15/-11.99	-14.67/-13.30	-11.79/-9.22	-10.09/-10.30	-8.94/-9.27	-13.50/-11.85	-10.75/-9.40	-6.31/-6.32	-4.54/-1.11	-0.46/-0.54	2.20/-2.81	2.38/-1.14	1.07/-0.12	-0.81/-0.59	1.22/-0.27	-2.73/-1.22	-0.16/-4.97	-7.70/-5.63	-5.21/-6.75	-8.71/-8.49	-6.83/-6.82
Θ(82.5°)	-9.20/-12.59	-12.53/-12.83	-13.44/-12.92	-10.61/-9.86	-11.19/-15.51	-14.61/-12.62	-11.81/-11.14	-10.75/-10.47	-12.32/-10.98	-9.90/-10.64	-9.63/-6.41	-5.51/-2.64	-1.59/-0.79	0.36/-0.31	0.08/-1.51	-3.21/-4.41	-1.29/-0.24	-0.07/-0.03	0.32/-0.92	0.57/-1.84	-2.55/-4.61	-4.30/-2.87	-4.38/-5.16	-8.53/-9.56
Θ(90°)	-5.80/-12.59	-8.29/-9.83	-14.46/-14.24	-11.51/-9.53	-11.90/-14.27	-12.05/-15.23	-12.19/-12.13	-14.76/-12.36	-13.49/-12.45	-8.26/-8.57	-8.25/-8.57	-8.25/-6.37	-8.32/-6.17	-3.68/-2.76	-3.46/-5.05	-4.97/-1.74	0.71/-1.73	0.45/-1.63	-2.51/-0.07	-1.69/-7.54	-3.67/-1.83	-3.65/-7.36	-11.01/-10.99	-8.02/-8.48
Θ(97.5°)	-9.44/-13.34	-7.33/-8.06	-8.80/-10.58	-14.77/-15.33	-15.23/-14.20	-14.14/-15.63	-14.36/-15.81	-12.89/-11.23	-13.73/-15.48	-12.39/-15.72	-10.71/-7.47	-5.88/-3.96	-4.51/-3.15	-3.59/-0.92	0.21/-2.71	-2.40/-0.38	1.37/-3.70	3.15/-0.22	-2.85/-0.72	-0.57/-1.41	-7.20/-3.19	-3.19/-2.07	-4.81/-10.07	-9.10/-6.93
Θ(105°)	-6.92/-8.58	-9.18/-15.00	-11.98/-7.04	-6.90/-9.73	-15.36/-14.26	-14.47/-15.24	-13.24/-14.86	-12.51/-13.37	-15.70/-15.33	-13.27/-11.18	-7.93/-6.06	-4.48/-4.15	-2.44/-1.83	-3.37/-0.97	1.68/-3.32	-5.33/-0.19	0.92/-0.02	2.77/-1.21	-1.60/-2.25	1.92/-2.78	-1.35/-1.27	-5.75/-2.35	-7.01/-11.07	-8.13/-6.56
Θ(112.5°)	-9.42/-14.59	-10.13/-11.54	-9.04/-10.52	-14.41/-12.90	-10.94/-11.97	-10.84/-12.24	-13.76/-14.29	-15.55/-14.79	-16.18/-13.76	-14.61/-12.47	-6.91/-7.71	-6.16/-8.07	-5.07/-4.34	-4.80/-0.59	-1.40/-0.78	-7.36/-0.05	2.16/-0.02	0.82/-1.92	-2.32/-2.75	1.05/-6.13	-2.20/-0.19	-7.30/-5.52	-6.83/-12.50	-9.99/-8.62
Θ(120°)	-5.11/-8.33	-																						



Antenna Pattern <2.4GHz and 5GHz U-NII 1~U-NII 4>

Appendix C

Θ (120°)	-4.81/-3.40	-1.69/-0.11	0.24/-1.12	1.26/-1.37	2.40/-2.93	3.00/-3.09	2.51/-0.95	-1.13/-2.02	-3.54/-3.42	-4.32/-6.45	-6.93/-5.83	-3.76/-2.86	-4.31/-3.82	-6.28/-5.22	-7.25/-8.46	-8.63/-5.66	-4.51/-4.23	-5.81/-6.76	-7.75/-7.31	-10.11/-8.35	-13.37/-13.78	-10.07/-5.22	-7.24/-8.90	-10.13/-6.61
Θ (127.5°)	-2.88/-2.45	-1.91/-1.59	-1.79/-1.72	-0.53/-0.83	2.01/-2.57	2.48/-2.22	1.78/-1.10	0.10/-1.52	-3.44/-3.81	-3.55/-3.19	-4.28/-9.21	-15.71/-12.81	-8.93/-9.01	-10.35/-9.75	-15.03/-10.75	-9.12/-8.38	-8.24/-9.35	-9.23/-10.09	-12.37/-9.16	-5.73/-4.03	-6.51/-7.15	-5.36/-3.93	-4.11/-4.72	-5.31/-3.98
Θ (135°)	-3.07/-4.58	-4.37/-4.56	-3.46/-2.60	-1.73/-1.34	-1.41/-1.37	-1.05/-0.82	-0.21/-0.50	0.71/-0.04	-0.88/-2.19	-3.87/-4.28	-4.38/-6.20	-7.08/-6.29	-5.10/-3.73	-3.43/-4.24	-7.70/-8.52	-6.42/-5.51	-9.27/-9.52	-10.27/-8.76	-4.47/-2.35	-2.24/-2.06	-3.29/-6.08	-7.78/-8.75	-9.93/-9.60	-5.98/-4.27
Θ (142.5°)	-4.81/-4.42	-4.53/-4.77	-3.68/-3.59	-3.81/-3.35	-3.59/-3.31	-3.01/-3.18	-3.26/-3.00	-3.03/-3.66	-5.74/-10.11	-12.09/-6.68	-4.17/-3.21	-3.48/-6.10	-10.26/-10.29	-7.63/-7.03	-6.52/-5.92	-4.98/-5.40	-6.33/-6.23	-6.66/-7.27	-8.73/-10.65	-11.86/-9.67	-5.41/-4.93	-4.65/-3.79	-4.78/-5.94	-4.23/-3.91
Θ (150°)	0.26/-0.89	1.36/-1.45	1.29/-1.14	0.97/-0.75	0.32/-0.68	-1.88/-2.98	-3.39/-3.06	-2.98/-3.14	-4.09/-5.39	-7.36/-7.46	-5.60/-4.31	-4.06/-4.67	-6.03/-7.46	-8.70/-9.31	-7.97/-6.41	-4.90/-5.11	-6.41/-7.68	-9.64/-11.04	-9.84/-8.76	-7.14/-5.99	-3.44/-2.72	-3.11/-2.79	-1.40/-1.05	-4.50/-5.15
Θ (157.5°)	-0.73/-0.03	0.79/-1.44	2.06/-2.41	2.30/-1.77	0.75/-1.16	-2.90/-4.12	-4.41/-4.22	-4.76/-5.75	-6.73/-7.31	-9.61/-5.31	-4.97/-4.50	-3.96/-3.98	-4.59/-4.83	-4.28/-3.59	-6.30/-4.73	-6.96/-4.73	-7.15/-5.69	-10.85/-10.57	-8.83/-7.56	-4.44/-3.98	-4.69/-5.63	-4.67/-3.76	-2.63/-1.27	-4.50/-5.15
Θ (165°)	0.61/-1.08	1.40/-1.45	1.31/-0.81	-0.26/-2.03	-4.14/-6.88	-10.67/-13.63	-13.80/-13.96	-16.03/-13.78	-11.90/-10.43	-9.69/-8.57	-7.68/-7.30	-7.49/-7.46	-6.71/-5.79	-4.97/-4.54	-4.73/-5.04	-5.64/-6.57	-7.72/-9.56	-11.86/-13.65	-11.98/-10.18	-10.47/-10.25	-8.16/-6.20	-4.87/-3.86	-2.10/-1.06	-0.52/-0.05
Θ (172.5°)	-3.51/-4.35	-4.99/-5.75	-6.92/-8.54	-10.58/-12.75	-12.66/-11.06	-12.36/-11.06	-10.05/-9.24	-8.63/-7.45	-6.53/-5.87	-6.42/-7.83	-9.35/-10.26	-10.10/-9.28	-8.59/-8.46	-9.03/-10.41	-12.70/-15.81	-15.56/-13.87	-11.95/-11.49	-11.29/-11.85	-12.10/-12.85	-11.97/-11.26	-10.62/-9.35	-8.03/-6.89	-5.36/-4.32	-3.88/-3.75
Θ (180°)	-14.18/-13.41	-11.72/-9.70	-8.35/-8.10	-8.77/-9.73	-11.21/-11.58	-11.85/-11.30	-10.34/-9.65	-9.50/-8.68	-7.87/-7.35	-7.47/-8.27	-10.10/-11.10	-11.36/-13.48	-11.53/-12.14	-13.13/-13.51	-11.72/-10.24	-9.34/-8.99	-8.85/-8.96	-9.12/-8.04	-8.58/-8.65	-9.42/-9.99	-11.51/-11.76	-13.47/-14.20	-14.23/-13.99	
Freq(Hz)	5.3GPol.	TotalAnt. 6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Ψ(7.5°)	Φ(15°)/Ψ(22.5°)	Φ(30°)/Ψ(37.5°)	Φ(45°)/Ψ(52.5°)	Φ(60°)/Ψ(67.5°)	Φ(75°)/Ψ(82.5°)	Φ(90°)/Ψ(97.5°)	Φ(105°)/Ψ(112.5°)	Φ(120°)/Ψ(127.5°)	Φ(135°)/Ψ(142.5°)	Φ(150°)/Ψ(157.5°)	Φ(165°)/Ψ(172.5°)	Φ(180°)/Ψ(187.5°)	Φ(195°)/Ψ(202.5°)	Φ(210°)/Ψ(217.5°)	Φ(225°)/Ψ(232.5°)	Φ(240°)/Ψ(247.5°)	Φ(255°)/Ψ(262.5°)	Φ(270°)/Ψ(277.5°)	Φ(285°)/Ψ(292.5°)	Φ(300°)/Ψ(307.5°)	Φ(315°)/Ψ(322.5°)	Φ(330°)/Ψ(337.5°)	Φ(345°)/Ψ(352.5°)
Θ (0°)	-5.32/-5.15	-4.81/-4.41	-4.57/-5.16	-5.40/-5.38	-5.27/-5.16	-5.10/-5.33	-5.64/-5.61	-5.65/-5.32	-4.84/-4.27	-4.05/-4.20	-4.24/-4.60	-4.72/-4.97	-5.08/-5.09	-4.96/-4.69	-4.75/-4.43	-4.40/-4.43	-4.47/-4.30	-4.62/-5.14	-5.42/-5.64	-5.53/-5.40	-5.20/-5.21	-5.04/-5.14	-5.04/-5.14	-5.04/-5.14
Θ (7.5°)	-3.70/-4.10	-3.95/-4.27	-4.46/-4.61	-4.76/-4.85	-5.01/-5.13	-5.31/-5.42	-5.72/-5.61	-5.46/-5.15	-5.22/-5.10	-5.04/-5.12	-4.98/-4.95	-4.85/-4.99	-5.08/-5.30	-5.83/-6.15	-6.37/-6.65	-6.80/-6.74	-6.81/-6.80	-6.88/-7.00	-7.17/-7.51	-7.28/-6.77	-6.34/-6.05	-5.64/-5.30	-5.17/-4.97	-4.93/-4.79
Θ (15°)	-3.88/-3.88	-3.87/-3.12	-3.27/-3.02	-2.80/-2.76	-2.86/-2.63	-3.29/-3.86	-4.21/-4.44	-4.73/-5.01	-5.05/-4.81	-4.28/-4.28	-4.26/-4.27	-4.19/-4.22	-4.07/-4.18	-4.46/-4.61	-4.95/-5.16	-5.18/-5.30	-5.25/-5.06	-4.95/-5.23	-6.03/-7.15	-7.57/-7.69	-8.07/-8.11	-7.80/-7.42	-6.90/-6.61	-5.47/-4.78
Θ (22.5°)	-5.39/-5.22	-5.27/-5.31	-5.45/-5.73	-5.77/-5.66	-4.72/-4.34	-4.24/-4.08	-4.07/-4.35	-4.43/-3.95	-3.27/-2.66	-2.59/-2.62	-3.40/-4.04	-4.45/-4.58	-4.56/-5.22	-5.94/-6.57	-6.85/-6.61	-6.00/-5.36	-4.94/-4.78	-4.76/-4.98	-5.74/-6.47	-6.99/-7.31	-7.52/-7.20	-6.56/-6.09	-5.76/-5.36	-5.30/-5.15
Θ (30°)	-5.99/-4.88	-4.08/-3.94	-4.01/-3.60	-3.23/-2.95	-2.77/-2.93	-2.67/-2.80	-3.08/-2.68	-1.82/-1.25	-1.43/-2.04	-2.57/-3.16	-3.58/-3.70	-3.55/-3.38	-4.27/-6.15	-9.10/-12.64	-13.22/-11.73	-8.75/-8.11	-6.41/-5.07	-4.45/-4.31	-4.40/-5.37	-6.19/-5.68	-5.32/-5.45	-5.38/-5.22	-5.55/-6.20	-6.75/-7.10
Θ (37.5°)	-3.58/-2.84	-2.17/-1.79	-1.12/-0.15	0.65/-0.72	0.93/-0.05	0.96/-0.47	0.72/-1.35	1.69/-1.50	0.47/-1.11	-3.02/-5.01	-5.99/-5.93	-5.11/-4.43	-4.67/-6.17	-8.36/-12.17	-13.35/-10.81	-9.39/-8.81	-9.72/-10.53	-7.87/-5.44	-3.25/-2.56	-3.51/-5.38	-6.47/-4.74	-8.97/-8.22	-6.07/-5.29	-6.71/-5.64
Θ (45°)	-5.34/-3.94	-2.92/-1.80	-0.42/-0.64	1.08/-1.46	1.93/-2.08	1.46/-0.62	0.34/-0.46	1.01/-1.76	1.68/-0.33	-2.17/-5.02	-6.78/-7.02	-6.41/-5.57	-5.14/-5.75	-6.57/-7.87	-8.88/-9.28	-8.61/-8.99	-12.92/-10.07	-10.83/-8.39	-7.78/-8.56	-9.35/-8.44	-8.38/-11.04	-12.57/-11.47	-7.35/-6.24	-6.21/-5.64
Θ (52.5°)	-6.57/-3.78	-2.54/-1.79	-0.88/-1.05	-1.54/-1.22	0.95/-1.92	2.28/-2.23	1.64/-1.00	1.25/-1.87	1.97/-0.31	-2.66/-5.02	-5.72/-6.12	-9.52/-9.95	-7.79/-6.49	-5.70/-5.55	-5.97/-6.81	-7.82/-9.58	-12.19/-8.84	-5.94/-4.82	-5.94/-8.40	-11.31/-10.91	-9.74/-9.93	-9.51/-11.12	-9.17/-9.83	-10.01/-10.43
Θ (60°)	-8.01/-6.53	-4.71/-4.15	-2.63/-1.58	-0.27/-1.05	1.79/-2.65	3.14/-2.77	1.27/-1.91	-2.23/-1.77	-1.45/-2.09	-2.82/-2.54	-3.35/-4.03	-5.66/-9.70	-15.02/-14.47	-10.65/-10.39	-14.55/-12.31	-8.06/-5.30	-3.74/-2.99	-2.96/-3.22	-4.46/-7.04	-7.24/-7.15	-8.39/-11.01	-11.46/-11.44	-13.32/-15.44	-16.11/-13.16
Θ (67.5°)	-12.11/-10.51	-7.12/-4.03	-1.96/-0.82	-0.42/-0.52	-1.12/-0.25	1.69/-2.51	2.45/-1.56	0.16/-0.73	-1.86/-3.05	-4.78/-3.74	-3.19/-2.88	-3.40/-5.18	-6.59/-8.53	-7.71/-9.08	-12.37/-12.24	-9.80/-6.72	-6.69/-8.53	-11.98/-15.17	-15.29/-12.01	-9.89/-9.74	-10.71/-12.80	-13.32/-10.57	-10.21/-8.75	-10.71/-8.75
Θ (75°)	-11.93/-12.84	-8.60/-7.68	-5.34/-3.80	-2.54/-1.57	-1.02/-1.10	-0.84/-0.22	-0.42/-1.85	-3.60/-4.38	-3.50/-1.33	-1.03/-1.77	-3.68/-7.78	-7.29/-6.09	-2.81/-1.09	-3.34/-6.23	-9.57/-13.53	-10.33/-11.69	-13.18/-8.78	-8.73/-14.47	-15.67/-13.61	-10.36/-14.64	-15.00/-12.86	-13.43/-11.54	-14.26/-16.21	-14.53/-12.19
Θ (82.5°)	-8.09/-8.67	-6.58/-4.19	-2.47/-1.32	-0.56/-1.08	0.08/-0.22	-0.25/-0.19	-0.17/-0.51	-1.61/-1.67	-0.00/-1.15	0.48/-6.63	-5.52/-8.94	-5.93/-3.98	-6.00/-8.83	-4.70/-6.12	-9.92/-6.54	-2.10/-4.26	-9.79/-11.73	-9.50/-8.75	-12.01/-7.68	-5.02/-8.95	-11.92/-10.56	-12.90/-15.58	-8.20/-7.55	-8.20/-7.55
Θ (90°)	-2.99/-2.11	-2.22/-0.67	0.39/-0.61	0.06/-0.81	-0.77/-0.17	0.11/-0.02	-0.02/-0.04	0.31/-0.88	0.62/-0.40	-2.49/-4.47	-5.53/-7.09	-9.32/-14.69	-13.64/-13.23	-8.59/-8.25	-9.49/-8.73	-6.37/-4.43	-8.09/-10.34	-12.63/-14.03	-15.98/-14.20	-11.62/-12.04	-10.67/-8.09	-9.72/-7.60	-3.99/-2.85	-2.03/-2.25
Θ (97.5°)	-4.92/-4.14	-4.79/-1.88	-0.39/-0.35	0.19/-0.90	-0.64/-2.13	-1.54/-1.05	-0.99/-1.40	-1.55/-1.33	-1.77/-1.94	-2.56/-1.22	-1.68/-1.33	-2.77/-3.54	-5.95/-5.32	-7.26/-10.98	-11.20/-12.33	-11.61/-12.87	-10.04/-5.90	-6.01/-9.31	-6.17/-11.66	-7.20/-5.62	-7.19/-9.18	-9.89/-6.60	-6.74/-6.86	-7.07/-6.44
Θ (105°)	-4.51/-4.80	-2.65/-1.03	0.73/-1.74	2.25/-2.24	1.59/-0.76	0.57/-1.13	1.34/-0.58	-1.69/-4.36	-3.48/-0.32	0.58/-0.20	-1.43/-1.50	-1.54/-0.83	-0.87/-0.68	-3.08/-3.74	-10.10/-6.65	-6.27/-8.42	-13.56/-12.68	-7.14/-12.53	-12.71/-9.60	-6.49/-7.75	-7.87/-6.72	-9.28/-7.66	-7.36/-9.91	-7.39/-6.52
Θ (112.5°)	-4.32/-3.08	-1.68/-0.85	2.13/-0.09	3.27/-0.05	2.33/-0.16	2.66/-2.45	1.64/-1.01	-0.39/-3.64	-5.01/-3.34	-1.79/-2.31	-3.20/-1.18	-6.80/-6.04	-5.17/-4.28	-7.31/-7.47	-9.92/-11.83	-7.87/-4.20	-8.00/-9.06	-6.94/-8.52	-4.40/-5.33	-10.76/-13.99	-14.61/-13.20	-15.55/-10.19	-7.25/-7.22	-6.40/-5.93
Θ (120°)	-5.25/-2.75	-1.18/-0.37	1.20/-1.56	1.11/-0.63	0.65/-0.68	0.56/-0.65	0.30/-0.78	0.58/-0.65	-0.34/-2.17	-2.18/-2.41	-2.03/-3.42	-4.67/-4.59	-5.40/-4.01	-4.34/-4.74	-9.37/-9.12	-8.11/-6.78	-3.41/-5.48	-9.64/-13.29	-13.02/-10.38	-15.35/-15.96	-14.86/-10.98	-9.56/-8.08	-9.05/-8.87	-7.83/-6.43
Θ (127.5°)	-3.97/-3.89	-3.26/-2.97	-2.62/-1.60	-0.90/-0.25	0.92/-0.83	0.56/-0.80	1.25/-1.11	0.65/-1.00	-0.97/-2.13	-1.92/-2.36	-3.19/-6.64	-13.99/-15.45	-11.96/-9.49	-9.69/-9.75	-11.57/-12.67	-12.12/-12.27	-11.92/-8.48	-7.60/-8.81	-9.33/-8.37	-7.53/-6.38	-9.46/-7.22	-6.72/-8.51	-7.19/-6.71	-5.93/-4.15
Θ (135°)	-9.83/-9.81	-8.34/-5.81	-4.40/-3.73	-3.41/-3.81	-4.54/-5.44	-5.63/-4.63	-4.43/-4.20	-3.23/-2.82	-2.54/-2.64	-3.59/-5.15	-7.03/-8.04	-7.76/-5.84	-4.78/-4.93	-4.80/-6.11	-10.81/-14.42	-8.09/-5.95	-6.97/-8.46	-9.64/-9.07	-6.40/-5.33	-5.03/-6.16	-8.52/-9.29	-9.51/-15.10	-13.21/-8.71	-7.59/-8.55
Θ (142.5°)	-1.15/-0.77	-1.07/-1.22	-1.38/-1.94	-2.91/-4.11	-5.64/-5.80	-5.97/-6.89	-7.52/-7.20	-7.41/-7.81	-7.79/-8.06	-6.94/-11.06	-10.05/-7.67	-6.45/-7.49	-12.65/-13.50	-11.12/-9.90	-8.49/-7.35	-6.14/-6.29	-7.73/-9.16	-12.80/-12.50	-13.52/-13.14	-11.73/-11.13	-8.45/-7.48	-6.51/-4.90	-4.92/-4.47	-3.21/-2.25
Θ (150°)	-3.44/-1.18	-0.38/-0.08	0.10/-0.30	-0.96/-1.71	-2.71/-4.15	-5.82/-6.72	-8.55/-7.97	-8.11/-9.15	-10.46/-9.98	-8.93/-8.32	-7.17/-6.40	-6.53/-6.65	-6.93/-7.52	-9.39/-11.49	-10.37/-8.05	-6.40/-6.59	-6.68/-12.01	-13.72/-14.09	-11.89/-10.82	-9.13/-7.13	-6.13/-7.04	-8.40/-7.54	-6.18/-5.33	-4.80/-4.27
Θ (157.5°)	-2.20/-1.54	-0.94/-0.55	-0.08/-0.29	0.40/-0.07	-0.66/-2.27	-3.90/-5.29	-5.79/-5.89	-6.59/-8.49	-10.43/-10.55	-10.41/-10.75	-11.36/-10.05	-8.71/-7.80	-6.38/-4.70	-3.57/-3.13	-3.01/-3.15	-3.75/-5.20	-7.42/-9.06	-9.30/-8.45	-6.98/-5.57	-4.48/-4.36	-4.89/-5.89	-6.84/-6.17	-5.11/-4.09	-3.33/-2.54
Θ (165°)	-0.48/-0.14	0.20/-0.41	0.30/-0.22	-1.12/-2.43	-3.97/-3.38	-6.85/-7.61	-6.97/-10.09	-11.11/-9.92	-8.29/-6.81	-7.57/-5.44	-6.66/-5.69	-6.53/-5.22	-4.74/-4.34	-4.52/-5.59	-6.82/-8.39	-10.20/-11.73	-13.33/-14.54	-15.22/-15.18	-11.80/-10.19	-9.23/-8.26	-7.32/-6.08	-4.63/-3.15	-2.28/-1.61	-0.92/-0.75
Θ (172.5°)	-6.62/-7.39	-8.12/-8.62	-9.72/-10.88	-11.88/-12.80	-13.67/-15.24	-15.41/-14.32	-1																	



Antenna Pattern <2.4GHz and 5GHz U-NII 1~U-NII 4>

Appendix C

Θ (172.5°)	-3.47/-2.82	-2.35/-1.89	-1.88/-2.24	-2.92/-3.61	-4.03/-4.30	-4.51/-4.78	-5.15/-5.02	-8.10/-9.65	-10.90/-12.20	-12.13/-11.52	-11.21/-10.35	-9.18/-8.02	-7.31/-6.53	-5.71/-5.12	-5.04/-5.37	-6.23/-7.67	-9.70/-11.81	-12.82/-11.96	-11.60/-12.90	-15.24/-15.14	-14.20/-12.88	-10.64/-8.73	-7.26/-6.26	-5.48/-4.41
Θ (180°)	-7.41/-6.89	-6.20/-5.99	-6.28/-6.86	-7.97/-9.31	-9.76/-9.76	-10.41/-9.88	-9.02/-9.42	-10.35/-10.08	-9.00/-8.44	-8.21/-8.50	-9.12/-9.68	-9.97/-10.06	-10.35/-11.27	-12.56/-13.86	-14.34/-15.24	-15.23/-14.14	-12.01/-10.34	-8.81/-7.61	-7.06/-7.48	-8.24/-9.16	-10.74/-12.58	-12.04/-11.05	-9.73/-8.41	-7.67/-7.54
Freq(Hz)	5.26/Pol.	TotalAnt. 7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ (0°)	-7.47/-7.97	-8.07/-7.67	-8.40/-8.44	-8.07/-7.42	-7.06/-6.88	-6.93/-7.32	-7.37/-7.32	-7.25/-7.10	-6.74/-6.60	-6.78/-6.62	-6.33/-6.57	-5.38/-5.38	-5.66/-6.04	-6.74/-7.49	-8.13/-8.02	-7.54/-7.76	-6.91/-7.06	-6.91/-7.03	-7.15/-7.09	-7.11/-7.11	-7.42/-7.77	-7.69/-7.78	-7.55/-7.66	-7.33/-6.96
Θ (7.5°)	-6.12/-6.18	-6.47/-6.92	-7.27/-7.36	-7.04/-6.42	-6.08/-5.86	-5.83/-6.08	-6.32/-6.33	-6.08/-5.97	-5.89/-6.13	-6.13/-6.41	-6.71/-7.00	-7.02/-7.09	-6.80/-6.48	-6.52/-6.77	-7.23/-7.73	-7.98/-8.07	-7.95/-7.71	-7.68/-8.00	-7.67/-7.46	-7.33/-7.37	-7.36/-7.19	-7.04/-6.93	-6.74/-6.42	-6.42/-6.17
Θ (15°)	-5.86/-5.87	-6.24/-6.69	-6.78/-6.69	-6.33/-5.70	-5.16/-4.54	-4.19/-3.90	-3.89/-3.96	-3.99/-3.74	-3.41/-2.98	-2.93/-3.18	-3.83/-4.57	-5.32/-5.95	-6.16/-6.02	-5.73/-5.58	-5.84/-6.03	-5.58/-7.29	-7.86/-8.44	-8.42/-8.66	-8.36/-8.20	-8.55/-8.70	-8.90/-9.90	-8.66/-8.45	-7.89/-7.13	-6.56/-6.17
Θ (22.5°)	-5.80/-5.42	-4.73/-4.16	-4.33/-3.99	-3.93/-3.77	-3.68/-3.31	-2.87/-2.42	-2.25/-2.29	-2.54/-2.56	-2.35/-2.22	-2.06/-2.15	-2.56/-3.28	-4.22/-5.02	-5.26/-5.80	-6.02/-6.25	-6.43/-6.61	-7.39/-8.31	-9.44/-10.51	-11.74/-11.93	-11.77/-11.98	-12.42/-13.04	-13.60/-12.24	-10.44/-8.67	-7.40/-6.37	-5.97/-5.92
Θ (30°)	-5.29/-4.86	-4.38/-3.88	-3.53/-2.98	-2.75/-2.61	-2.79/-2.83	-2.51/-1.95	-1.40/-0.63	-0.53/-0.54	-0.68/-0.79	-0.72/-0.78	-1.10/-1.68	-2.46/-3.44	-4.63/-6.18	-7.34/-7.81	-8.58/-9.70	-11.53/-13.78	-14.73/-13.95	-13.17/-12.85	-13.15/-12.85	-15.62/-13.02	-10.65/-10.96	-10.96/-9.83	-8.38/-7.37	-6.70/-5.92
Θ (37.5°)	-2.31/-1.68	-1.38/-1.11	-0.94/-1.05	-1.48/-2.10	-2.59/-2.49	-1.62/-0.59	0.36/0.94	1.05/0.73	0.14/-0.15	-0.32/-0.46	-1.02/-1.89	-2.46/-3.55	-4.80/-5.84	-4.89/-4.91	-5.45/-6.39	-7.56/-9.55	-12.09/-12.37	-10.95/-10.35	-11.30/-13.61	-15.26/-14.71	-14.03/-14.90	-13.92/-10.28	-7.91/-54.7	-4.06/-2.90
Θ (45°)	-0.82/0.03	0.78/1.40	1.90/1.95	1.48/0.56	-1.06/-2.43	-1.76/-0.49	1.05/1.60	1.74/1.63	1.53/1.43	1.18/0.85	0.25/-0.66	-1.77/-2.94	-3.93/-4.76	-5.28/-5.48	-6.32/-7.00	-7.66/-9.06	-9.53/-9.51	-9.60/-10.11	-11.28/-12.55	-13.83/-13.99	-13.78/-14.22	-11.95/-9.97	-5.42/-3.43	-2.22/-1.42
Θ (52.5°)	-1.51/-0.41	0.84/2.05	2.94/3.26	3.08/2.38	1.07/0.32	-0.82/-0.02	1.45/2.11	1.87/1.42	1.16/1.45	1.42/1.17	0.40/-1.00	-2.75/-4.16	-5.53/-6.92	-7.12/-7.05	-7.51/-9.18	-11.00/-10.50	-10.20/-9.91	-10.79/-12.95	-15.62/-13.10	-10.65/-10.88	-12.14/-11.69	-7.89/-7.85	-5.46/-4.03	-3.32/-2.59
Θ (60°)	-2.01/-1.13	0.36/1.59	2.65/3.38	3.66/5.26	1.97/0.41	-0.09/0.79	1.92/2.49	2.30/1.81	1.50/1.45	1.23/0.75	0.15/-0.62	-1.80/-3.42	-4.77/-5.79	-6.36/-7.61	-8.53/-10.74	-10.92/-10.62	-10.24/-10.82	-11.46/-13.38	-15.45/-11.37	-9.30/-10.48	-14.34/-15.03	-11.36/-9.06	-6.99/-5.59	-4.54/-2.93
Θ (67.5°)	-1.80/-0.52	0.83/1.57	2.41/2.87	2.94/2.76	2.22/1.47	1.21/1.67	2.25/2.35	2.12/1.92	1.66/1.25	0.86/0.31	-0.51/-1.25	-2.19/-3.43	-5.08/-6.02	-6.30/-6.72	-7.09/-8.84	-11.20/-11.79	-12.74/-10.79	-12.20/-13.32	-13.28/-13.08	-12.16/-13.45	-16.11/-12.37	-11.23/-9.33	-8.17/-6.36	-4.81/-2.93
Θ (75°)	-3.07/-1.50	0.03/0.75	1.34/1.61	1.54/1.44	1.41/1.74	2.53/2.86	2.58/1.83	0.83/0.67	1.11/1.03	0.49/0.65	0.48/0.17	-0.47/-1.91	-3.31/-4.41	-5.04/-5.73	-7.47/-10.17	-12.56/-10.62	-11.09/-10.73	-10.91/-15.00	-15.63/-12.58	-11.72/-13.57	-13.84/-11.42	-9.10/-9.07	-8.17/-6.94	-5.94/-4.37
Θ (82.5°)	-4.97/-2.38	-0.33/1.16	2.25/2.47	1.43/-0.67	-2.27/-0.53	2.10/3.40	3.12/1.70	0.56/0.83	1.47/1.51	0.60/0.23	0.42/0.74	0.38/-1.04	-2.05/-4.51	-6.06/-7.18	-9.84/-11.59	-10.07/-10.35	-13.04/-15.41	-15.26/-14.63	-14.78/-12.98	-9.90/-12.47	-14.45/-12.38	-10.21/-8.46	-9.03/-9.29	-9.09/-6.92
Θ (90°)	-5.02/-2.42	-0.48/0.94	1.98/2.17	1.51/-0.64	-4.55/-2.73	1.53/3.52	3.50/2.22	0.32/-0.12	0.75/0.75	-0.29/-0.05	0.58/1.01	1.26/0.20	-0.62/-4.23	-3.88/-4.89	-7.60/-9.37	-10.04/-8.06	-11.59/-14.63	-12.05/-13.74	-14.32/-13.13	-11.12/-11.95	-14.27/-13.56	-10.27/-9.73	-10.63/-11.71	-10.58/-11.74
Θ (97.5°)	-6.81/-3.25	-0.68/1.03	2.47/2.78	1.94/-0.99	-4.82/-2.77	1.35/3.10	2.47/0.39	-0.66/-0.17	0.59/0.40	-1.35/-3.88	-6.01/-7.58	-8.94/-9.84	-8.77/-9.65	-11.28/-15.63	-13.25/-14.98	-14.19/-14.19	-11.80/-13.78	-15.09/-14.88	-13.25/-15.19	-13.70/-14.75	-10.86/-11.37	-10.86/-11.37	-10.86/-11.37	-10.86/-11.37
Θ (105°)	-4.86/-2.87	-1.20/0.30	1.39/1.47	0.62/-2.41	-5.75/-1.43	1.61/2.40	1.72/-0.17	-1.42/0.17	1.24/1.18	-0.07/-1.19	-1.52/-0.75	0.13/-0.11	-0.25/-2.05	-4.11/-6.07	-8.45/-11.29	-12.07/-10.11	-9.89/-13.20	-12.25/-11.72	-14.24/-14.65	-12.43/-15.23	-15.21/-14.04	-14.44/-12.88	-13.82/-12.02	-9.22/-6.06
Θ (112.5°)	-9.37/-5.08	-2.72/-1.00	-0.05/-0.35	-1.82/-4.00	-3.81/-0.63	1.77/2.37	0.93/-1.04	-0.81/0.72	1.78/1.35	-0.04/-0.90	-2.33/-2.31	-2.15/-1.70	-2.32/-3.02	-3.90/-6.43	-4.35/-7.72	-11.07/-8.79	-7.10/-6.59	-8.71/-15.01	-14.27/-13.08	-9.91/-14.57	-15.52/-15.01	-14.97/-14.25	-13.55/-13.22	-13.50/-11.14
Θ (120°)	-8.99/-7.52	-4.29/-2.50	-1.13/-0.56	-0.95/-1.61	-1.99/-0.64	0.49/0.74	-0.12/-0.83	-2.11/-0.73	0.13/0.37	-0.09/-1.12	-2.47/-2.86	-2.81/-2.52	-3.30/-3.52	-5.51/-5.58	-5.42/-8.50	-13.70/-11.63	-6.91/-6.47	-11.45/-12.65	-14.91/-13.35	-10.02/-14.76	-12.47/-13.91	-14.87/-14.70	-14.50/-13.33	-13.76/-12.16
Θ (127.5°)	-10.79/-9.18	-7.58/-6.01	-4.20/-2.72	-1.81/-1.16	-1.22/-1.56	-2.49/-4.03	-3.94/-2.14	-0.98/-0.17	0.22/0.02	-0.30/-1.11	-2.53/-4.54	-5.92/-7.54	-7.13/-6.26	-7.86/-7.56	-7.40/-10.56	-12.29/-12.12	-9.60/-11.79	-10.19/-13.51	-15.70/-15.19	-11.48/-15.34	-9.81/-15.42	-15.77/-15.49	-15.30/-14.35	-12.02/-11.25
Θ (135°)	-7.28/-6.04	-5.50/-4.45	-3.49/-3.93	-2.83/-3.09	-4.00/-5.76	-7.56/-8.22	-6.42/-5.58	-1.61/-0.74	-0.56/-1.04	-2.17/-3.21	-4.32/-6.60	-8.82/-9.74	-11.61/-10.48	-10.39/-12.81	-15.78/-11.97	-12.05/-11.80	-10.01/-12.62	-15.64/-15.15	-11.56/-14.68	-13.65/-12.89	-14.01/-12.84	-11.22/-9.93	-8.72/-7.61	-7.27/-6.14
Θ (142.5°)	-7.39/-7.12	-6.62/-6.25	-5.98/-6.19	-6.51/-7.75	-9.37/-11.76	-14.67/-15.15	-10.21/-6.19	-3.63/-2.63	-3.05/-4.08	-5.27/-6.45	-7.13/-7.50	-6.93/-4.50	-7.43/-5.35	-6.62/-8.33	-9.44/-10.73	-13.65/-8.83	-7.65/-10.54	-14.23/-15.06	-14.09/-12.96	-11.56/-14.71	-15.16/-15.80	-14.87/-15.25	-9.70/-5.83	-6.06/-7.24
Θ (150°)	-7.69/-8.33	-9.32/-9.65	-9.31/-8.94	-8.97/-9.47	-10.66/-12.50	-15.02/-15.68	-13.59/-10.06	-8.38/-6.60	-5.37/-4.78	-4.57/-4.50	-4.70/-5.32	-5.96/-5.92	-6.03/-7.07	-8.43/-8.29	-7.21/-7.83	-8.56/-9.11	-11.27/-15.37	-15.07/-13.10	-12.83/-12.49	-11.32/-9.56	-9.44/-12.82	-14.80/-11.75	-10.13/-9.46	-8.23/-7.67
Θ (157.5°)	-6.24/-6.71	-7.44/-8.00	-8.30/-8.86	-9.66/-10.77	-12.04/-13.48	-15.16/-15.75	-10.33/-14.51	-6.78/-4.78	-4.71/-6.84	-7.21/-6.89	-8.64/-7.25	-7.85/-8.49	-8.99/-9.80	-8.79/-8.06	-8.05/-9.01	-7.73/-12.21	-14.01/-15.56	-12.48/-11.82	-12.85/-15.28	-14.13/-14.52	-12.79/-13.58	-14.28/-13.85	-10.36/-9.29	-6.89/-6.10
Θ (165°)	-8.64/-9.15	-9.21/-9.66	-10.27/-11.00	-11.39/-11.52	-11.93/-12.99	-14.69/-15.17	-15.09/-16.00	-13.70/-12.43	-10.54/-9.15	-8.34/-8.15	-8.63/-6.61	-10.81/-11.34	-10.69/-8.61	-8.06/-7.14	-6.72/-7.12	-10.77/-9.13	-11.79/-12.02	-10.05/-9.10	-8.75/-10.88	-12.22/-13.56	-13.35/-13.06	-13.02/-13.49	-12.67/-11.37	-10.02/-9.91
Θ (172.5°)	-12.29/-14.14	-15.00/-14.61	-14.73/-14.03	-13.95/-13.34	-13.35/-13.67	-14.03/-15.17	-15.16/-14.24	-12.23/-10.88	-9.49/-8.39	-7.76/-7.25	-7.13/-7.39	-7.38/-7.27	-7.12/-6.94	-6.94/-7.22	-8.34/-9.88	-12.01/-13.86	-13.58/-12.40	-11.42/-11.46	-11.88/-13.20	-14.04/-15.60	-14.90/-14.09	-13.75/-12.81	-12.05/-11.52	-11.46/-11.83
Θ (180°)	-15.13/-15.07	-15.66/-15.11	-15.18/-15.31	-14.84/-14.77	-15.50/-15.40	-14.77/-14.55	-13.90/-14.15	-14.01/-13.95	-13.71/-13.68	-13.91/-14.39	-14.96/-15.22	-15.50/-15.22	-15.61/-15.26	-15.74/-15.49	-15.93/-15.13	-15.27/-16.31	-15.52/-15.18	-15.81/-15.61	-15.65/-15.63	-15.94/-15.59	-15.54/-15.91	-15.15/-15.47	-14.09/-14.46	-15.99/-15.83
Freq(Hz)	5.30/Pol.	TotalAnt. 7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ (0°)	-7.58/-7.61	-7.95/-8.24	-10.46/-8.93	9.34/-9.80	9.85/-9.77	-9.52/-9.22	-8.97/-8.81	-8.98/-9.18	-9.05/-8.98	-8.67/-8.19	-7.80/-7.84	-8.08/-8.76	-9.50/-9.77	-9.82/-9.69	-9.93/-9.53	-9.88/-8.72	-8.24/-8.47	-8.67/-9.04	-8.99/-8.83	-8.65/-8.47	-8.32/-8.04	-7.95/-7.76	-7.59/-7.64	-7.72/-7.55
Θ (7.5°)	-7.52/-8.04	-8.24/-7.64	-7.33/-7.45	-7.43/-6.92	-6.50/-6.17	-5.87/-5.75	-5.65/-5.48	-5.52/-5.66	-5.65/-5.48	-5.78/-6.63	-7.54/-8.54	-9.93/-11.21	-11.96/-11.58	-11.02/-10.61	-10.29/-9.95	-9.89/-9.79	-9.59/-9.91	-9.56/-9.71	-9.33/-8.99	-8.70/-8.24	-7.82/-7.44	-7.41/-7.08	-7.41/-7.08	-7.41/-7.08
Θ (15°)	-5.45/-5.82	-6.00/-6.21	-6.65/-6.69	-6.40/-6.24	-5.55/-4.89	-4.67/-4.41	-4.11/-3.80	-3.40/-3.22	-3.19/-3.13	-3.19/-3.03	-2.69/-2.56	-3.04/-3.84	-4.66/-5.76	-7.14/-8.55	-9.62/-9.94	-9.98/-9.68	-9.59/-9.69	-10.09/-10.54	-10.58/-10.59	-10.47/-9.93	-9.51/-8.91	-8.19/-7.51	-6.78/-6.43	-5.97/-5.55
Θ (22.5°)																								



Antenna Pattern <2.4GHz and 5GHz U-NII 1~U-NII 4>

Appendix C

Θ(15°)	-7.66/-7.57	-7.46/-7.20	-6.89/-6.31	-5.75/-5.03	-4.03/-3.28	-2.52/-1.98	-1.79/-1.70	-1.56/-1.62	-1.84/-2.14	-2.59/-3.14	-3.87/-4.58	-5.06/-5.32	-5.53/-5.65	-5.56/-5.37	-5.44/-5.56	-5.61/-5.91	-6.29/-6.34	-5.89/-5.61	-5.22/-5.11	-4.83/-4.79	-4.86/-5.35	-6.02/-6.51	-6.98/-7.22	-6.95/-7.20
Θ(22°)	-5.31/-4.96	-4.40/-4.02	-3.80/-3.86	-3.75/-3.55	-3.00/-2.63	-1.94/-1.40	-0.94/-0.69	-0.67/-0.83	-1.34/-1.95	-2.69/-3.57	-4.52/-5.26	-5.86/-6.48	-7.00/-7.64	-8.18/-8.58	-8.71/-8.44	-7.65/-7.09	-6.85/-6.49	-6.41/-6.15	-6.08/-6.15	-6.52/-7.02	-7.61/-8.04	-8.38/-8.09	-7.46/-6.75	-5.88/-5.60
Θ(30°)	-4.51/-3.61	-2.48/-1.58	-1.21/-0.92	-0.79/-1.00	-1.20/-1.52	-1.30/-0.81	-0.30/-0.13	-0.35/-1.00	-1.87/-2.54	-2.94/-3.65	-4.50/-5.15	-5.55/-6.11	-7.47/-9.46	-10.91/-11.26	-10.31/-9.47	-8.36/-7.99	-6.90/-9.31	-9.02/-8.45	-8.37/-8.44	-10.43/-10.87	-10.71/-9.14	-7.94/-6.55	-5.58/-4.93	
Θ(37.5°)	-3.42/-3.05	-2.57/-1.58	-0.70/-0.25	0.20/0.41	0.350/-3.35	0.450/-3.40	0.240/-0.00	-0.45/-1.07	-1.84/-2.35	-2.70/-3.10	-3.89/-4.53	-4.90/-5.59	-6.26/-6.30	-6.24/-6.72	-7.80/-9.33	-9.46/-8.89	-8.75/-9.38	-8.69/-9.34	-9.67/-9.06	-8.82/-10.09	-12.48/-12.59	-10.27/-8.21	-6.77/-5.80	-5.19/-4.31
Θ(45°)	-2.72/-1.59	-0.77/-0.47	0.01/-0.07	-0.07/-0.08	0.44/-0.00	1.37/-1.35	0.73/-0.04	-0.58/-0.37	0.17/-0.21	0.10/-0.02	-0.49/-1.32	-2.29/-3.21	-3.77/-4.79	-6.75/-8.69	-10.75/-11.51	-9.68/-8.92	-10.22/-10.26	-11.46/-13.85	-13.16/-11.41	-11.42/-10.98	-11.13/-12.21	-11.92/-11.84	-9.48/-6.26	-4.47/-3.23
Θ(52.5°)	-0.99/-0.32	0.07/-0.52	0.88/0.71	-0.17/-0.79	0.37/-0.91	1.70/-1.95	1.41/0.61	0.65/-1.27	1.73/-1.45	0.55/-0.60	-1.48/-2.15	-3.01/-3.55	-3.99/-3.54	-6.45/-7.43	-8.49/-7.98	-7.75/-8.20	-8.80/-10.94	-12.13/-11.07	-11.88/-12.77	-12.82/-13.98	-10.95/-12.86	-10.95/-8.26	-5.50/-3.83	-2.49/-1.63
Θ(60°)	-1.66/-0.09	1.17/-1.80	1.84/-1.64	0.57/-0.96	-1.45/-0.53	2.31/-2.87	2.16/-1.40	1.69/-2.58	2.83/-2.45	1.89/-1.25	0.48/-0.24	-1.66/-2.78	-3.45/-4.28	-4.84/-5.44	-6.25/-7.10	-9.26/-8.81	-8.78/-8.84	-11.37/-12.85	-13.26/-11.79	-11.60/-11.78	-10.35/-10.49	-9.05/-6.73	-6.41/-4.80	-3.88/-2.40
Θ(67.5°)	-6.18/-3.82	-1.17/-0.67	1.78/-2.13	1.41/-0.65	-2.54/-0.57	2.24/-3.70	3.41/-2.61	2.40/-2.45	2.30/-2.30	2.47/-2.44	1.72/-2.06	-2.15/-3.66	-4.77/-5.92	-5.32/-4.95	-5.01/-6.93	-11.16/-11.31	-8.46/-8.49	-11.22/-13.08	-12.03/-11.92	-10.84/-9.73	-9.45/-10.32	-11.32/-10.67	-8.24/-8.73	-7.87/-7.65
Θ(75°)	-7.02/-4.65	-2.35/-0.35	1.06/-1.36	0.37/-1.69	-3.90/-1.09	1.97/-3.63	3.85/-3.21	2.47/-1.84	1.29/-1.55	2.67/-3.48	3.24/-1.68	-0.41/-2.75	-4.00/-4.79	-6.15/-6.14	-6.47/-8.07	-10.53/-12.33	-9.59/-8.41	-11.20/-13.11	-10.33/-10.80	-9.00/-9.97	-11.65/-12.32	-12.53/-10.48	-10.01/-10.22	-9.54/-7.41
Θ(82.5°)	-6.54/-4.55	-3.25/-2.13	-0.90/-0.01	-0.33/-1.87	-3.15/-0.89	1.37/-2.80	3.33/-3.45	2.78/-1.20	0.25/-1.45	3.05/-3.74	3.83/-2.45	0.54/-2.66	-4.16/-4.16	-6.71/-6.94	-8.02/-8.89	-8.68/-9.50	-9.18/-7.72	-7.45/-7.39	-15.18/-12.69	-8.68/-6.49	-9.23/-15.60	-11.10/-9.37	-10.54/-12.47	-12.03/-7.91
Θ(90°)	-4.98/-3.57	-2.59/-1.73	-1.16/-1.22	-2.27/-1.93	0.21/-2.00	3.08/-2.90	2.86/-3.30	3.34/-2.27	1.08/-1.11	1.87/-1.85	1.44/-2.20	-1.28/-4.35	-4.62/-6.85	-8.82/-7.68	-6.75/-7.63	-8.70/-12.33	-9.97/-8.53	-8.00/-10.43	-13.01/-15.09	-10.76/-10.05	-12.32/-15.27	-13.58/-11.97	-14.06/-12.96	-8.58/-5.85
Θ(97.5°)	-6.04/-4.42	-4.04/-3.45	-2.93/-3.29	-3.82/-1.57	1.87/-0.05	4.14/-18.18	2.74/-3.70	3.55/-2.03	0.97/-0.68	2.41/-2.07	1.47/-0.21	-2.63/-6.10	-7.09/-7.39	-7.26/-7.76	-8.22/-10.75	-15.36/-11.74	-9.30/-8.93	-13.87/-14.19	-13.32/-14.07	-13.51/-10.47	-12.13/-15.40	-15.73/-13.89	-13.10/-10.72	-9.49/-6.68
Θ(105°)	-6.51/-5.84	-3.92/-2.96	-2.22/-2.16	-2.04/-0.10	2.57/-0.04	3.69/-2.42	1.90/-3.34	4.10/-3.10	1.57/-1.15	1.51/-1.42	0.82/-0.04	-1.08/-1.83	-3.89/-7.13	-12.34/-14.37	-12.53/-12.13	-13.04/-12.64	-12.77/-11.24	-13.69/-15.48	-14.76/-14.54	-14.23/-14.67	-15.33/-14.61	-15.64/-15.38	-15.04/-12.52	-9.96/-8.23
Θ(112.5°)	-4.38/-2.77	-1.40/-0.67	0.17/0.51	0.96/-2.02	3.25/-3.93	3.16/-0.96	0.76/-2.52	3.90/-3.78	2.39/-1.54	1.25/-0.63	0.12/-0.35	-0.79/-2.19	-3.49/-6.02	-7.63/-10.33	-10.81/-13.67	-15.42/-13.58	-10.00/-9.56	-11.33/-14.05	-15.26/-15.02	-14.02/-12.15	-13.58/-15.65	-14.05/-12.62	-10.97/-10.95	-8.60/-7.59
Θ(120°)	-4.00/-2.63	-1.44/-0.54	0.56/-1.59	2.31/-2.69	2.45/-1.83	1.05/-2.22	0.17/-2.04	3.13/-3.12	2.85/-2.28	1.38/-0.53	-1.06/-2.00	-3.11/-3.20	-4.06/-6.54	-5.71/-6.80	-5.53/-6.07	-10.01/-9.91	-12.50/-13.63	-13.09/-11.34	-12.25/-13.81	-15.11/-12.70	-11.44/-8.43	-8.34/-8.43	-7.01/-5.36	
Θ(127.5°)	-6.77/-5.83	-4.55/-3.20	-1.76/-0.03	1.07/-1.32	0.72/-0.92	-3.38/-2.00	0.74/-2.46	3.55/-3.53	2.99/-2.44	2.11/-1.61	0.77/-0.54	-2.49/-2.74	-4.22/-3.82	-4.42/-6.06	-7.61/-11.58	-16.06/-14.52	-10.65/-8.12	-10.58/-15.16	-15.85/-13.58	-11.76/-15.23	-9.53/-10.22	-9.19/-12.54	-12.33/-11.88	-9.66/-8.23
Θ(135°)	-6.93/-5.99	-4.97/-3.99	-1.21/-2.39	-1.63/-1.37	-2.07/-3.67	-5.72/-4.63	-0.95/-1.25	2.11/-2.34	1.80/-1.09	0.99/-0.63	-0.12/-1.81	-4.13/-5.94	-7.24/-6.45	-6.07/-7.68	-7.83/-9.82	-12.91/-15.97	-9.82/-11.97	-11.57/-12.42	-14.99/-15.78	-10.51/-10.78	-10.91/-12.29	-9.91/-8.78	-7.94/-8.54	-7.90/-9.43
Θ(142.5°)	-7.63/-6.69	-5.88/-4.59	-5.10/-4.80	-4.38/-4.23	-4.70/-3.61	-8.16/-7.53	-4.62/-2.10	-7.07/-5.05	-0.67/-1.07	-1.83/-2.61	-3.44/-4.21	-4.74/-5.64	-7.02/-6.78	-10.01/-11.28	-11.26/-11.08	-9.23/-11.16	-13.80/-11.31	-15.75/-15.55	-14.07/-13.93	-13.41/-13.59	-16.37/-15.15	-10.91/-7.70	-6.64/-6.27	-7.02/-7.44
Θ(150°)	-8.54/-8.83	-9.12/-8.71	-7.95/-8.46	-9.55/-10.17	-10.79/-11.54	-12.38/-11.02	-8.76/-6.66	-5.28/-4.37	-4.29/-4.61	-4.76/-4.51	-4.25/-4.05	-4.17/-4.56	-6.40/-6.19	-6.76/-7.54	-8.30/-8.91	-9.28/-10.88	-12.17/-11.01	-10.69/-11.49	-13.02/-13.17	-11.60/-9.35	-10.01/-12.71	-14.78/-11.85	-9.75/-8.83	-8.02/-8.67
Θ(157.5°)	-8.79/-8.38	-8.35/-8.25	-8.60/-8.29	-9.95/-10.00	-10.12/-10.41	-11.66/-13.35	-13.74/-12.01	-9.96/-8.30	-7.35/-6.40	-5.19/-4.19	-3.53/-3.16	-2.97/-3.22	-3.91/-4.61	-4.85/-4.96	-5.39/-6.05	-7.44/-10.43	-14.45/-15.26	-14.25/-14.91	-11.58/-12.60	-12.71/-11.06	-9.84/-9.33	-11.10/-12.66	-11.34/-9.68	-9.08/-8.89
Θ(165°)	-12.02/-12.20	-12.48/-12.90	-12.66/-11.81	-11.49/-11.20	-11.32/-12.14	-13.55/-14.01	-16.03/-12.86	-10.98/-9.13	-7.73/-6.96	-6.33/-5.79	-5.30/-4.59	-4.13/-3.89	-3.91/-4.20	-4.16/-4.31	-5.24/-6.90	-13.77/-15.77	-9.11/-7.74	-7.60/-8.09	-8.82/-9.23	-9.65/-9.96	-10.27/-10.44	-10.45/-10.59	-10.88/-11.45	
Θ(172.5°)	-14.51/-14.87	-15.45/-14.99	-14.15/-13.65	-12.55/-12.39	-12.60/-13.37	-14.13/-15.98	-15.24/-14.42	-12.88/-11.32	-10.23/-9.58	-9.18/-8.98	-9.05/-9.12	-9.19/-9.43	-9.44/-8.72	-7.73/-7.31	-7.86/-8.84	-10.04/-10.71	-10.74/-10.96	-11.46/-12.32	-12.61/-13.23	-13.80/-13.53	-14.28/-15.16	-15.10/-15.76	-15.31/-14.90	-14.68/-15.32
Θ(180°)	-15.34/-15.40	-15.64/-15.29	-16.06/-15.41	-15.69/-15.73	-15.24/-14.42	-12.95/-12.93	-12.31/-12.14	-11.87/-12.15	-12.14/-12.48	-13.17/-13.73	-13.94/-13.44	-12.76/-12.46	-12.02/-12.22	-12.94/-13.08	-13.32/-13.01	-14.01/-14.36	-14.81/-15.20	-15.03/-15.38	-15.45/-15.07	-15.11/-15.47	-15.70/-14.99	-15.48/-15.54	-15.65/-15.30	-15.73/-15.89
Freq[Hz]	5.20GHz	TotalAnt. 8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	-14.16/-12.99	-12.23/-12.76	-12.25/-12.29	-11.84/-11.96	-12.89/-12.95	-12.65/-13.15	-14.33/-14.90	-14.91/-15.05	-13.84/-13.78	-14.59/-14.14	-14.40/-14.48	-14.90/-14.76	-15.49/-15.81	-14.87/-13.97	-13.97/-12.95	-12.74/-12.71	-12.85/-13.36	-13.93/-13.71	-13.97/-14.34	-13.84/-13.70	-13.02/-12.57	-11.96/-13.64	-14.23/-14.83	
Θ(7.5°)	-14.22/-14.95	-14.86/-13.53	-12.13/-9.97	-8.62/-6.67	-8.83/-6.45	-9.74/-10.22	-10.55/-11.00	-11.17/-9.69	-8.81/-9.36	-9.32/-10.67	-10.77/-11.47	-11.52/-11.55	-11.22/-11.17	-11.07/-11.50	-12.22/-12.54	-13.36/-12.31	-13.04/-12.78	-12.36/-11.65	-11.91/-11.70	-12.12/-12.32	-12.71/-13.13	-12.34/-12.31	-11.58/-13.56	
Θ(15°)	-8.65/-9.02	-8.08/-7.27	-6.51/-5.60	-5.24/-6.34	-7.27/-8.70	-10.91/-12.94	-13.23/-13.71	-11.71/-10.93	-10.17/-9.85	-10.34/-10.06	-9.54/-9.23	-9.21/-9.80	-9.01/-8.36	-7.62/-7.15	-6.91/-7.41	-7.83/-8.49	-9.58/-9.85	-11.19/-11.64	-12.93/-13.61	-14.46/-14.23	-12.58/-10.98	-9.23/-9.97	-10.67/-9.43	-7.52/-6.87
Θ(22.5°)	-5.73/-5.17	-4.31/-3.83	-3.60/-3.93	-5.23/-7.13	-9.61/-11.58	-13.05/-12.68	-14.91/-15.63	-15.39/-13.93	-12.67/-11.89	-10.66/-9.36	-8.94/-9.71	-11.25/-14.81	-12.68/-9.76	-7.62/-6.49	-6.04/-6.12	-6.27/-6.85	-7.91/-8.14	-11.64/-13.92	-14.63/-13.84	-12.10/-9.85	-7.97/-6.97	-6.39/-6.29	-6.86/-6.24	-6.07/-6.40
Θ(30°)	-5.39/-5.20	-5.23/-5.40	-5.67/-6.63	-7.67/-9.63	-11.11/-10.46	-9.30/-9.40	-10.83/-11.99	-10.99/-10.59	-9.95/-9.32	-8.86/-8.53	-8.38/-8.27	-8.76/-11.24	-12.69/-11.89	-9.18/-7.36	-6.99/-7.14	-7.73/-8.63	-10.41/-11.56	-12.23/-9.65	-7.40/-7.48	-8.43/-8.02	-6.62/-5.87	-5.24/-4.68	-4.77/-4.84	-5.61/-5.49
Θ(37.5°)	-3.88/-3.46	-3.22/-3.71	-5.09/-6.10	-7.53/-10.63	-10.51/-9.52	-8.14/-9.94	-8.97/-7.54	-9.99/-8.28	-7.38/-7.02	-8.62/-10.16	-9.63/-10.65	-11.86/-9.75	-8.28/-7.96	-8.15/-6.67	-11.18/-12.83	-13.78/-11.92	-12.05/-11.22	-8.79/-8.48	-10.15/-12.09	-9.78/-6.60	-5.00/-2.83	-2.85/-3.14	-3.02/-3.07	
Θ(45°)	-2.82/-2.03	-1.95/-3.09	-5.94/-7.36	-7.66/-6.71	-7.66/-8.20	-8.28/-8.69	-10.11/-11.09	-9.94/-9.82	-8.09/-5.92	-5.01/-4.82	-5.66/-6.51	-8.62/-8.67	-10.80/-10.00	-8.49/-8.93	-10.98/-12.54	-12.58/-14.86	-14.99/-11.35	-10.45/-10.33	-11.10/-8.75	-4.96/-4.43	-5.00/-2.94	-1.10/-0.21	0.88/-0.96	0.22/-1.78
Θ(52.5°)	-2.37/-3.68	-4.41/-4.49	-4.65/-4.80	-4.92/-5.36	-6.02/-5.89	-5.45/-7.43	-8.80/-6.79	-5.20/-5.25	-7.63/-4.97	-10.89/-9.69	-9.45/-11.94	-13.38/-15.37	-10.30/-9.43	-11.44/-13.81	-13.72/-12.34	-13.53/-14.92	-10.81/-6.93	-5.85/-6.70	-6.38/-6.62	-4.08/-1.10	-0.94/-0.55	1.59/-1.94	2.51/-2.78	0.82/-1.77
Θ(60°)	-0.82/-1.98	-3.60/-3.09	-3.01/-4.08	-5.31/-5.36	-6.68/-8.01	-9.38/-12.34	-9.68/-6.65	-5.38/-5.10	-8.24/-13.89	-13.09/-13.12	-13.30/-11.66	-15.49/-15.41	-12.12/-10.22	-11.48/-12.08	-9.35/-8.90	-7.11/-6.37	-1.82/-2.45	-3.96/-2.57	-0					



Antenna Pattern <2.4GHz and 5GHz U-NII 1~U-NII 4>

Appendix C

Θ (67.5°)	2.780/0.05	-1.03/-0.93	-1.79/-1.27	-3.28/-8.06	-10.02/-9.18	-8.51/-5.68	-3.51/-4.67	-10.76/-14.93	-13.33/-16.14	-13.65/-12.20	-10.23/-13.22	-14.79/-15.66	-10.34/-8.82	-10.60/-9.88	-10.84/-8.39	-6.03/-3.72	-2.19/-0.69	0.78/0.92	1.16/2.47	3.58/4.71	3.86/3.19	2.07/1.97	3.47/4.31	2.63/0.67
Θ (75°)	4.41/1.50	1.11/0.41	-1.42/0.59	-1.82/-5.63	-8.79/-12.82	-9.59/-4.47	-4.12/-6.71	-9.83/-11.34	-11.81/-15.70	-10.85/-6.93	-5.96/-8.13	-9.96/-11.06	-8.36/-8.36	-9.96/-7.94	-7.58/-5.05	-4.36/-2.20	-0.94/-0.29	1.19/1.28	1.85/4.53	5.00/5.53	5.44/5.12	4.19/3.41	4.62/5.31	4.05/1.10
Θ (82.5°)	5.16/1.84	2.37/1.45	-1.23/-0.33	-2.47/-5.00	-6.33/-7.60	-7.60/-7.93	-9.50/-9.74	-13.04/-13.35	-11.43/-10.81	-12.17/-11.44	-12.02/-12.61	-15.59/-15.08	-12.36/-10.40	-10.30/-10.41	-8.87/-3.64	-2.90/-0.54	-0.31/0.32	3.17/2.81	3.05/4.24	5.85/5.13	5.65/4.74	3.92/3.40	4.06/4.98	4.52/1.44
Θ (90°)	3.55/2.04	2.42/-0.12	-3.29/-2.01	-5.03/-7.42	-10.46/-10.09	-7.70/-7.21	-14.39/-12.57	-8.85/-7.69	-10.03/-8.53	-9.90/-9.55	-13.68/-14.05	-11.93/-11.38	-12.89/-10.92	-7.29/-8.38	-9.90/-5.28	-2.69/0.69	-0.88/-1.79	3.50/2.19	0.34/1.46	4.49/4.68	4.20/2.51	1.24/3.34	3.53/3.48	2.02/0.25
Θ (97.5°)	1.46/0.52	0.87/-0.68	-3.70/-4.14	-8.67/-13.47	-15.57/-12.10	-5.96/-5.66	-11.19/-11.35	-9.94/-6.75	-4.74/-4.60	-6.73/-7.23	-9.43/-7.09	-7.40/-8.40	-9.27/-6.29	-6.01/-8.94	-6.12/-4.40	-3.74/-0.12	-4.47/-2.21	2.77/0.94	-0.47/1.26	4.18/4.44	3.36/1.20	0.60/4.17	4.62/3.43	1.55/1.38
Θ (105°)	-0.46/-0.43	-0.92/-1.08	-4.99/-10.21	-9.23/-7.15	-9.09/-13.91	-10.85/-7.08	-9.04/-11.38	-8.43/-7.34	-5.55/-7.48	-8.70/-12.72	-15.43/-11.66	-5.88/-10.38	-4.26/-5.48	-3.31/-8.34	-4.41/-5.09	-1.88/-0.44	-7.28/0.02	4.85/0.06	-1.08/1.54	4.06/4.00	3.71/1.55	0.24/2.58	3.87/2.99	1.38/0.24
Θ (112.5°)	-3.20/-0.85	-2.29/-2.57	-7.87/-10.07	-10.31/-12.66	-9.41/-9.54	-9.40/-9.08	-7.23/-8.45	-9.66/-8.79	-6.97/-6.33	-9.33/-10.65	-9.00/-11.71	-4.33/-13.40	-10.78/-7.72	-3.02/-8.06	-3.40/-7.72	-2.23/-0.63	-5.36/1.09	4.02/-3.93	-3.10/2.08	2.32/2.34	0.78/-2.62	-1.59/0.25	2.51/-1.07	-1.93/-1.99
Θ (120°)	-8.38/-3.32	-3.70/-3.81	-3.69/-7.96	-6.59/-7.67	-6.23/-7.27	-12.13/-10.75	-8.74/-10.71	-10.85/-7.12	-9.32/-8.11	-10.62/-7.16	-7.94/-7.21	-5.17/-15.46	-8.33/-13.40	-7.64/-9.20	-3.41/-13.80	-2.37/-1.43	-14.84/-2.53	2.47/-3.91	-5.79/0.61	0.21/2.41	-2.63/-2.55	-12.66/-3.27	0.46/-0.88	-5.26/-2.27
Θ (127.5°)	-5.62/-4.89	-3.97/-6.96	-3.51/-5.48	-4.73/-5.62	-8.57/-8.95	-7.77/-8.49	-11.01/-11.68	-11.59/-9.79	-10.50/-8.86	-9.21/-8.12	-10.29/-9.78	-12.59/-9.16	-10.44/-10.66	-11.90/-6.68	-11.06/-4.87	-1.98/-4.75	-8.34/-3.40	1.46/-3.66	-9.02/-3.75	-3.43/-0.94	-1.90/-4.36	-8.98/-3.01	-1.40/-2.63	-6.97/-2.76
Θ (135°)	-4.63/-5.71	-5.81/-7.58	-7.12/-6.26	-6.81/-5.55	-7.73/-11.99	-12.69/-11.13	-11.75/-12.28	-11.42/-11.60	-10.15/-11.52	-13.56/-16.11	-15.09/-10.55	-8.67/-10.55	-14.51/-10.88	-8.25/-7.98	-14.20/-7.97	-6.57/-9.45	-10.69/-5.56	-1.58/-4.87	-10.70/-9.22	-8.18/-10.69	-7.98/-8.87	-5.93/-2.62	-1.96/-3.39	-5.79/-5.92
Θ (142.5°)	-7.20/-8.08	-9.30/-10.36	-8.18/-7.07	-9.86/-10.44	-8.30/-6.85	-7.22/-7.32	-7.99/-9.30	-11.72/-12.30	-11.76/-13.02	-11.79/-9.25	-8.59/-9.90	-12.94/-14.89	-15.38/-8.62	-5.64/-6.82	-10.58/-8.47	-7.04/-10.11	-6.53/-4.96	-5.67/-6.93	-7.26/-6.28	-4.87/-4.05	-4.06/-6.26	-8.15/-5.48	-5.07/-5.37	-4.93/-6.08
Θ (150°)	-8.63/-6.91	-5.75/-6.46	-8.34/-9.81	-10.99/-12.41	-12.52/-14.11	-15.29/-14.76	-14.87/-15.51	-15.31/-12.80	-11.64/-12.34	-11.32/-9.96	-11.59/-14.78	-10.79/-10.25	-9.73/-6.12	-5.36/-9.66	-14.90/-9.59	-8.30/-7.82	-6.68/-7.28	-10.11/-13.76	-13.56/-9.28	-7.74/-7.39	-7.57/-9.13	-11.41/-9.81	-7.36/-7.49	-7.44/-8.29
Θ (157.5°)	-12.34/-9.70	-8.12/-8.52	-11.32/-15.38	-14.78/-12.37	-11.24/-10.93	-10.50/-10.71	-12.28/-14.83	-14.55/-14.67	-15.61/-15.36	-14.16/-11.11	-10.09/-10.68	-11.22/-11.24	-10.16/-8.51	-8.68/-11.29	-12.81/-9.24	-6.02/-3.75	-3.55/-5.75	-9.23/-13.39	-12.48/-11.72	-11.91/-11.73	-10.48/-8.40	-6.10/-5.13	-4.93/-6.45	-8.48/-9.83
Θ (165°)	-12.24/-11.85	-12.81/-15.51	-16.06/-13.25	-11.86/-11.03	-10.05/-9.81	-10.22/-12.19	-14.13/-14.56	-15.52/-14.59	-15.71/-15.38	-13.35/-12.37	-12.47/-11.43	-9.95/-8.51	-7.72/-7.54	-8.93/-11.16	-10.91/-8.53	-6.91/-6.09	-6.64/-7.85	-8.58/-8.38	-8.23/-8.58	-8.08/-7.87	-8.25/-8.34	-9.07/-8.96	-8.25/-8.45	-9.16/-11.43
Θ (172.5°)	-14.59/-14.95	-13.61/-11.76	-10.95/-11.31	-11.30/-11.50	-10.69/-10.62	-11.20/-12.20	-12.89/-12.76	-12.36/-12.36	-11.96/-11.61	-11.24/-11.55	-11.78/-11.85	-11.48/-11.41	-11.29/-10.74	-10.58/-10.62	-10.60/-11.06	-10.72/-10.37	-10.53/-10.51	-10.82/-10.44	-10.27/-10.56	-11.39/-11.72	-11.61/-11.83	-12.09/-12.47	-12.45/-13.32	-14.32/-15.81
Θ (180°)	-12.25/-12.40	-10.85/-10.52	-9.73/-10.28	-10.43/-10.76	-11.14/-11.81	-12.31/-12.59	-12.81/-13.84	-14.27/-14.72	-15.87/-15.17	-15.37/-14.89	-15.78/-15.38	-15.27/-15.42	-14.62/-15.60	-15.10/-15.58	-15.67/-15.76	-15.30/-15.72	-14.67/-14.97	-14.74/-15.07	-15.44/-16.27	-15.33/-14.37	-14.53/-15.27	-14.62/-13.08	-12.73/-12.21	-13.10/-11.95
Freq(Hz)	5.885GPol.	TotalAnt. 8	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ (0°)	-8.10/-7.24	-7.77/-8.14	-9.92/-10.30	-10.43/-8.72	-8.05/-8.01	-8.88/-8.81	-10.94/-11.68	-12.64/-11.20	-9.56/-8.89	-9.33/-9.85	-10.62/-10.16	-9.30/-9.12	-9.15/-9.42	-9.47/-9.29	-9.10/-9.23	-9.70/-9.78	-9.53/-9.52	-9.78/-10.04	-10.25/-9.04	-9.04/-9.15	-10.09/-10.13	-9.34/-8.59	-8.60/-9.32	-10.33/-9.87
Θ (7.5°)	-9.45/-8.55	-8.17/-8.40	-9.46/-10.59	-9.93/-10.06	-9.55/-9.24	-9.61/-10.14	-10.61/-11.96	-13.42/-14.27	-13.61/-10.99	-11.34/-11.56	-11.64/-11.10	-10.24/-9.61	-10.01/-10.04	-10.10/-10.11	-9.96/-10.44	-10.44/-10.48	-10.06/-9.74	-9.62/-9.56	-10.01/-9.46	-9.24/-8.79	-9.14/-9.83	-9.87/-9.23	-8.24/-8.13	-8.96/-8.61
Θ (15°)	-7.73/-8.55	-9.51/-10.33	-11.04/-10.80	-10.97/-11.53	-11.43/-11.09	-11.16/-11.59	-11.76/-12.94	-13.24/-13.27	-12.28/-11.52	-11.31/-13.21	-14.28/-13.45	-12.32/-11.87	-11.18/-11.12	-10.85/-10.55	-10.27/-10.17	-9.97/-9.79	-9.62/-9.84	-9.76/-10.36	-10.53/-10.41	-10.26/-10.34	-9.63/-9.26	-8.36/-7.59	-6.90/-7.06	
Θ (22.5°)	-8.43/-9.73	-10.40/-9.93	-9.92/-11.15	-13.12/-16.09	-15.48/-15.49	-14.66/-10.63	-9.15/-8.37	-8.97/-10.15	-11.41/-11.44	-11.96/-12.85	-14.80/-15.11	-16.34/-13.54	-12.62/-13.01	-13.28/-13.90	-14.50/-12.92	-11.57/-10.49	-9.70/-9.20	-8.02/-7.24	-6.46/-5.83	-5.99/-6.17	-6.82/-8.42	-9.89/-9.54	-7.43/-5.84	-5.28/-6.45
Θ (30°)	-5.32/-6.14	-6.77/-6.93	-7.40/-9.04	-12.42/-15.23	-15.78/-13.07	-11.47/-10.12	-9.61/-9.13	-9.68/-10.61	-11.98/-12.49	-12.11/-12.17	-12.54/-13.36	-14.64/-13.32	-13.02/-13.40	-12.96/-13.54	-13.16/-11.46	-10.42/-10.57	-8.16/-6.90	-6.01/-5.69	-4.51/-2.60	-2.25/-2.60	-2.90/-3.81	-5.08/-5.53	-4.98/-4.86	-5.08/-6.14
Θ (37.5°)	-2.38/-2.28	-4.15/-7.62	-7.89/-5.59	-4.98/-6.27	-8.25/-11.46	-12.19/-11.51	-12.08/-13.34	-14.11/-13.01	-13.58/-14.86	-15.33/-14.10	-12.85/-12.51	-11.77/-13.13	-15.37/-14.23	-13.01/-10.90	-10.34/-9.67	-9.36/-8.98	-8.97/-7.69	-4.67/-3.02	-3.06/-5.29	-6.78/-6.01	-4.33/-3.19	-2.55/-1.27	-1.57/-2.70	-4.96/-4.25
Θ (45°)	-1.16/-1.24	-2.57/-3.00	-3.64/-5.03	-6.26/-6.49	-7.19/-9.64	-12.12/-12.95	-11.58/-11.17	-12.69/-15.25	-14.63/-15.77	-15.51/-14.90	-14.55/-13.23	-11.65/-12.52	-14.30/-10.84	-7.72/-6.97	-8.09/-10.42	-8.18/-8.38	-7.67/-7.73	-7.76/-6.43	-5.51/-4.45	-5.14/-5.62	-2.82/-0.30	-0.50/-0.40	0.43/0.25	-0.17/-1.15
Θ (52.5°)	1.18/0.97	-0.18/-1.70	-2.77/-3.94	-5.12/-5.86	-5.71/-8.11	-10.35/-10.59	-10.53/-11.35	-12.82/-15.45	-15.82/-13.97	-16.15/-15.13	-14.89/-14.82	-13.49/-13.87	-10.08/-8.39	-7.23/-6.78	-7.51/-7.83	-8.13/-6.72	-5.39/-3.46	-2.53/-2.92	-3.57/-4.16	-3.29/-3.11	-1.62/0.87	1.33/1.96	2.33/0.68	-0.71/0.62
Θ (60°)	0.77/-0.17	-0.24/-0.59	-3.09/-2.48	-3.64/-5.57	-7.33/-9.18	-9.10/-8.89	-9.10/-10.29	-13.21/-13.93	-15.44/-15.70	-14.98/-14.07	-11.06/-12.56	-13.17/-14.91	-9.35/-9.49	-9.79/-8.56	-9.44/-10.98	-6.03/-3.99	-3.11/-1.16	-0.02/-1.06	-1.06/-0.35	1.50/1.60	0.06/0.96	0.97/2.17	3.27/2.33	-1.06/-1.14
Θ (67.5°)	1.28/-1.10	0.14/0.56	-1.94/-2.10	-2.95/-4.75	-7.74/-11.92	-13.99/-13.52	-8.27/-7.36	-11.76/-14.16	-15.50/-15.22	-14.54/-13.53	-12.74/-13.74	-13.49/-15.05	-8.87/-9.46	-13.63/-13.87	-15.66/-8.65	-4.14/-3.12	-2.66/-0.40	2.21/1.93	1.72/3.47	4.62/5.69	4.35/4.01	2.43/2.64	4.38/4.29	1.07/-1.22
Θ (75°)	2.85/1.02	2.30/2.45	0.48/-0.28	-2.95/-4.08	-5.10/-6.83	-9.73/-9.04	-7.58/-9.32	-11.93/-13.19	-14.52/-14.89	-12.41/-9.98	-9.15/-10.44	-12.32/-12.48	-8.77/-8.95	-12.47/-9.70	-8.37/-4.98	-3.54/-2.10	-0.78/-0.44	1.66/2.57	3.32/5.22	6.03/6.75	6.38/5.88	4.64/3.81	4.67/5.51	3.37/0.92
Θ (82.5°)	4.49/0.87	2.87/2.37	0.79/0.38	-4.48/-5.50	-6.89/-5.59	-5.79/-11.47	-12.54/-12.52	-12.03/-11.63	-13.86/-13.60	-14.76/-10.45	-15.35/-11.50	-15.72/-15.58	-10.76/-9.07	-10.06/-9.95	-7.23/-2.02	-2.13/-0.74	0.80/1.10	2.82/2.93	3.32/4.84	5.89/5.47	5.79/4.91	3.81/3.56	4.07/5.18	3.81/1.32
Θ (90°)	3.86/-1.19	1.45/2.04	0.92/-0.72	-8.15/-7.29	-7.23/-4.71	-8.44/-13.01	-15.62/-14.80	-14.99/-13.06	-15.18/-10.59	-11.90/-9.93	-12.50/-10.78	-9.88/-10.53	-8.99/-9.83	-8.35/-9.35	-10.35/-3.45	-1.63/0.82	-0.37/-0.75	4.28/2.37	0.67/2.36	5.45/5.04	4.42/3.13	2.41/4.23	4.53/4.99	4.28/1.38
Θ (97.5°)	0.85/-2.45	-0.68/-0.06	-1.76/-2.95	-7.69/-12.24	-11.22/-8.77	-7.02/-9.93	-15.43/-15.27	-14.77/-12.17	-8.02/-6.00	-8.02/-8.21	-10.28/-8.06	-8.36/-9.51	-8.85/-5.52	-7.11/-8.71	-8.77/-4.10	-3.86/-0.05	-3.54/-1.60	4.04/2.15	-0.65/0.98	4.80/5.31	4.32/2.98	2.43/5.28	5.76/4.42	2.71/0.95
Θ (105°)	-1.64/-1.05	-3.46/-2.18	-2.58/-3.78	-7.92/-13.38	-10.80/-10.88	-7.15/-6.60	-9.66/-10.97	-12.98/-13.38	-11.24/-8.82	-10.37/-14.43	-15.32/-9.89	-5.81/-14.75	-4.46/-5.37	-2.42/-6.65	-5.57/-6.12	-2.32/0.23	-6.94/0.49	5.23/-0.54	-2.53/0.48	4.53/4.76	4.81/3.03	0.69/3.42	4.17/2.91	0.52/0.43
Θ (112.5°)	-4.03/-2.42	-4.76/-2.56	-3.41/-4.65	-6.92/-10.80	-11.17/-9.76	-5.60/-5.80	-8.69/-9.70	-9.01/-12.82	-8.33/-8.00	-8.51/-11.60	-8.50/-10.78</													

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

