



Radiated Composite Gain Data <2.4GHz and 5GHz U-NII 1~U-NII 4>

Appendix A

Θ(45°)	-2.97/-1.68	-0.86/-0.66	-0.3/-0.45	-0.49/-0.3	0.26/0.95	1.32/1.26	0.49/-0.51	-1.24/-0.94	-0.14/0.1	0.02/-0.11	-0.58/-1.45	-2.51/-3.56	-4.33/-5.74	-8.46/-11.57	-13.52/-12.44	-11.65/-12.16	-15.49/-15.77	-15.39/-16.25	-14.86/-13.34	-14.65/-14.36	-12.98/-14.78	-17.01/-15.86	-11.28/-7.5	-5.2/-3.6
Θ(52.5°)	-1.48/-0.55	0.01/0.47	0.82/0.6	-0.28/-0.88	-0.43/0.85	1.66/1.91	1.27/0.26	0.19/0.88	1.51/1.36	0.49/-0.7	-1.6/-2.27	-3.14/-3.71	-4.18/-5.6	-6.74/-7.81	-9.11/-9.2	-8.97/-10.61	-12.52/-14.94	-13.59/-11.87	-13.16/-14.58	-14.97/-14.22	-15.91/-14.43	-13.58/-9.76	-7.46/-5.39	-3.5/-2.36
Θ(60°)	-1.83/-0.14	1.11/1.76	1.76/1.52	0.45/-1.04	-1.55/0.43	2.26/2.83	2.12/1.34	1.63/2.54	2.75/2.32	1.79/1.18	0.43/-0.31	-1.76/-2.91	-3.6/-4.46	-5.01/-5.69	-6.52/-7.37	-9.96/-10.05	-10.4/-10.15	-12.68/-14.4	-15.06/-12.82	-14.97/-16.41	-18.62/-18.95	-13.78/-10.09	-8.49/-6.68	-4.66/-2.85
Θ(67.5°)	-6.49/-3.99	-1.24/0.55	1.59/1.92	1.2/-0.83	-2.73/-0.68	2.23/67	3.35/2.53	2.37/2.41	2.25/2.22	2.44/2.41	1.68/0.2	-2.24/-3.8	-4.96/-6.21	-5.58/-5.3	-5.24/-7.23	-12/-12.17	-8.92/-9.03	-12.12/-17.13	-18.56/-14.42	-12.65/-14.56	-18.32/-17.82	-15.58/-12.99	-9.27/-9.34	-8.21/-8.07
Θ(75°)	-7.4/-5.12	-2.82/-0.84	0.53/0.84	-0.16/-2.22	-4.51/-1.31	1.93/3.6	3.83/3.17	2.43/1.8	1.24/1.47	2.62/3.45	3.21/1.63	-0.47/-2.85	-4.16/-4.97	-6.46/-6.37	-6.73/-8.47	-11.29/-13.83	-10.23/-8.96	-12.01/-14.33	-13.23/-15.39	-12.07/-11.22	-14.64/-14.15	-14.19/-11.07	-10.88/-11.05	-10.14/-7.78
Θ(82.5°)	-6.92/-5.33	-4.32/-3.3	-1.67/-0.42	-0.56/-2.05	-3.36/-1.02	1.31/2.76	3.3/3.43	2.70/77	-0.46/1.21	3/3.63	3.61/2.16	0.21/-3.19	-4.61/4.61	-7/-7.26	-8.4/-9.44	-9.83/-10.65	-9.8/-8.44	-9.19/-8.77	-18.43/-17.98	-9.79/-6.96	-9.82/-19.08	-12.17/-9.84	-11.29/-13.98	-13.19/-8.25
Θ(90°)	-5.28/-4.21	-3.55/-2.91	-2.59/-2.71	-3.28/-2.22	0.15/2.16	3.05/2.86	2.83/3.27	3.15/1.62	0.07/0.53	1.65/1.64	1.13/-0.24	-1.87/-5.66	-8.59/-10.39	-12.75/-9.04	-7.08/-7.95	-9.2/-15.84	-11.37/-9.05	-10.51/-18.78	-16/-18.2	-11.76/-10.96	-13.76/-17.82	-15.15/-13.89	-15.76/-14.23	-9.01/-6.07
Θ(97.5°)	-6.65/-5.11	-5.16/-4.71	-4.05/-4.18	-4.11/-1.66	1.82/4.01	4.11/3.14	2.73/63	3.31/1.16	-0.47/0.75	1.53/1.42	0.93/-0.79	-3.24/-7.04	-8.91/-9.5	-9.86/-9.46	-9.64/-11.47	-19.22/-14	-7.67/-9.51	-18.16/-17.74	-18.98/-15.98	-14.98/-11.18	-13.5/-17.66	-18.32/-15.49	-14.69/-11.44	-10.14/-7.1
Θ(105°)	-7.89/-7.25	-4.81/-3.41	-2.43/-2.24	-2.13/-0.07	2.33/3.77	3.45/2.31	1.82/3.14	3.64/2.18	0.49/0.1	0.64/0.34	-0.61/-1.22	-2.01/-2.44	-4.37/-7.81	-15.32/-17.79	-17.01/-17.34	-14.17/-18.09	-18.89/-12.34	-16.45/-18.34	-17.74/-16.52	-18.81/-18.36	-18.99/-17.69	-18.45/-18.01	-17.23/-13.84	-10.65/-9.94
Θ(112.5°)	-4.72/-3.11	-1.69/-0.81	0.1/0.4	0.57/1.33	2.56/3.44	2.82/0.7	0.64/2.49	3.65/3.2	1.5/0.75	0.49/-0.14	-0.62/-1.13	-1.35/-2.79	-4.09/-7.37	-8.65/-11.85	-12.65/-15.63	-17.92/-15.72	-11.68/-10.2	-14.23/-19.06	-17.64/-17.99	-18.92/-13.66	-15.38/-18.93	-15.85/-13.12	-12.26/-11.68	-9.05/-6
Θ(120°)	-4.61/-3.08	-1.66/-0.67	0.46/1.46	2.02/2.15	1.69/1.04	0.35/0.03	0.12/2	3.1/3.04	2.56/1.72	0.82/0.18	-1.38/-2.33	-3.79/-4.09	-4.71/-7.09	-5.93/-7.29	-6.74/-8.93	-15.68/-17.94	-12.41/-15.44	-13.81/-18.23	-18.18/-18.68	-13.51/-17.54	-19.02/-14.72	-12.25/-9.07	-9.39/-9.52	-8.37/-5.91
Θ(127.5°)	-7.08/-6.32	-4.86/-3.55	-2.19/-0.51	0.62/8.04	0/-1.99	-4.52/-2.33	0.69/2.43	3.53/4.5	2.87/2.31	1.98/1.51	0.71/-0.61	-2.61/-2.85	-4.38/-3.97	-4.58/-6.43	-7.94/-12.41	-18.24/-16.46	-18.83/-18.75	-13.51/-17.61	-10.1/-11.76	-9.74/-15.66	-13.37/-13.05	-10.2/-8.62		
Θ(135°)	-7.2/-6.24	-5.29/-4.47	-3.66/-2.86	-2.07/-1.68	-2.28/-3.97	-6.47/-5.35	-1.16/1.21	2.07/2.31	1.76/1.03	0.92/0.56	-0.21/-1.97	-4.42/-6.31	-7.51/-6.74	-6.31/-7.18	-8.26/-10.34	-14.11/-19.2	-16.29/-15.83	-13.97/-13.88	-18.46/-18.91	-11.23/-17.83	-12.66/-13.39	-10.74/-9.63	-10/-12.11	-10.41/-7.83
Θ(142.5°)	-10.45/-9.3	-8.02/-7.41	-7.09/-6.69	-5.98/-5.34	-5.29/-6.64	-8.9/-8.6	-5.08/-2.23	-0.84/-0.65	-0.79/-1.15	-1.92/-2.73	-3.6/-4.59	-5.54/-7.26	-9.71/-12.51	-13.31/-12.25	-12.18/-12.88	-11.92/-12.01	-10.46/-13.99	-18.94/-18.86	-16.08/-15.8	-15.99/-17.98	-19.51/-17.58	-11.79/-8.67	-8.24/-8.67	-10.48/-10.45
Θ(150°)	-11.05/-11.0	-10.65/-9.17	-8.38/-8.87	-10.36/-11.55	-12.28/-13.61	-16.67/-14.42	-9.7/-6.94	-5.51/-4.97	-5/-5.2	-5.09/-4.73	-4.4/-4.27	-4.55/-5.29	-6.85/-8.35	-8.72/-9.1	-9.78/-10.57	-11.48/-11.86	-13.2/-12.86	-11.34/-12.48	-14.85/-15.17	-13.02/-11.46	-14.15/-19.09	-18.49/-13.54	-10.99/-10.51	-10.87/-11.57
Θ(157.5°)	-9.82/-8.93	-8.73/-8.71	-9.17/-9.92	-10.67/-10.82	-11.26/-12.21	-14.69/-18.79	-16.31/-13.09	-11.6/-10.51	-9.57/-8.19	-6.31/-4.94	-4.32/-4.3	-4.63/-5.54	-7.48/-10.25	-11.75/-11.48	-11.43/-12	-13.24/-15.67	-18.98/-18.16	-16.46/-14.13	-15.24/-17.96	-17.62/-18.9	-18.98/-18.4	-17.48/-18.61	-14.31/-11.89	-10.69/-10.16
Θ(165°)	-16.32/-15.72	-15.16/-14.69	-13.68/-12.97	-12.32/-11.99	-12.61/-14.2	-17.27/-17.61	-19.44/-14.43	-12.02/-10.56	-9.26/-8.39	-7.48/-6.63	-5.94/-5.03	-4.5/-4.37	-4.64/-5.47	-5.78/-6.12	-7.38/-9.43	-13.1/-18.03	-19.74/-14.27	-10.99/-9.35	-9.03/-9.38	-10.05/-10.71	-11.83/-13.25	-14.39/-14.92	-15.3/-16.1	-16.36/-16.28
Θ(172.5°)	-17.32/-17.54	-18.46/-17.45	-16.14/-15.14	-14.1/-13.67	-13.93/-14.9	-16.56/-18.93	-18.75/-16.47	-14.24/-12.97	-11.89/-11.35	-11.07/-10.94	-11.11/-10.89	-10.81/-11.17	-11.53/-11.99	-13.28/-15.08	-15.78/-14.45	-13.28/-12.31	-11.67/-11.77	-12.34/-13.24	-14.17/-14.88	-15.58/-15.56	-16.27/-17.29	-18.35/-19.25	-18.63/-19.19	-18.7/-18.84
Θ(180°)	-18.77/-17.8	-19.72/-19.31	-19.86/-17.88	-18.51/-18.53	-18.65/-16.5	-15.01/-14.11	-13.54/-13.29	-13.3/-13.27	-13.47/-14.2	-15.23/-16.48	-17.52/-17.25	-16.24/-15.93	-15.09/-14.76	-14.98/-14.97	-14.94/-15.1	-15.82/-16.33	-17.62/-19.42	-17.94/-19.05	-18.13/-18.34	-18.21/-18.67	-18.43/-17.89	-18.01/-19.55	-18.99/-19.1	-18.13/-18.86
Freq(Hz)	5.2G/Pol.	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°)	-16.17/-14.61	-13.38/-14.36	-14.11/-14.91	-15.89/-16.46	-18.64/-18.83	-18.32/-18.73	-18.68/-18.66	-18.17/-18.41	-17.71/-18.01	-18.31/-16.26	-16.41/-16.78	-17.91/-18.37	-18.57/-18.79	-18.82/-18.77	-17.53/-18.27	-18.77/-17.96	-18.1/-18.99	-19.06/-18.44	-19.18/-18.51	-18.35/-18.32	-18.56/-17.21	-15.51/-13.99	-13.3/-15.19	-16.13/-17.64
Θ(7.5°)	-16.66/-17.54	-16.89/-15.74	-13.48/-11.32	-10.52/-11.41	-12.86/-13.34	-13.06/-15.3	-16.02/-15.37	-15.36/-16.04	-15.61/-12.85	-10.3/-10.15	-10.33/-11.34	-11.68/-12.35	-12.72/-12.57	-12.54/-12.92	-13.47/-14.23	-15.35/-15.87	-16.81/-15.74	-16.99/-18.23	-18.71/-18.66	-19.04/-18.19	-18.04/-18.63	-18.23/-16.82	-13.79/-13.47	-12.51/-15.01
Θ(15°)	-10.34/-11.55	-12.84/-12.19	-10.84/-9.08	-8.06/-9.4	-11.17/-13.05	-16.08/-17.03	-16.4/-17.6	-15.17/-14.49	-13.51/-13.46	-13.1/-12.03	-10.36/-9.8	-9.7/-10.41	-10.55/-10.94	-10.74/-10.25	-9.86/-10.07	-10.15/-10.75	-11.55/-11.84	-13.2/-14.91	-17.54/-17.86	-18.21/-16.5	-14.42/-12.56	-10.6/-10.8	-11.51/-9.98	-7.98/-9.18
Θ(22.5°)	-9.04/-10.5	-10.41/-8.53	-7.24/-6.84	-8.09/-10.19	-12/-13.69	-15.13/-13.82	-17.15/-18.19	-19.06/-17.64	-18.35/-17.67	-13.7/-11.25	-10.35/-10.54	-12.31/-16.84	-18.74/-15.4	-12.01/-10.3	-10.09/-10.33	-9.74/-8.94	-8.71/-9.69	-12.9/-15.51	-16.95/-15.8	-14.45/-12.66	-10.63/-9.33	-8.38/-7.96	-7.85/-6.89	-6.63/-7.95
Θ(30°)	-9.79/-10.5	-12.01/-12.48	-13.89/-17.45	-17.94/-16.8	-13.43/-11.08	-10/-9.98	-11.66/-15.02	-17.14/-15.6	-13.26/-11.48	-10.15/-9.32	-9.52/-9.78	-10.42/-13.82	-17.83/-18.43	-15.2/-13.27	-13.24/-12.94	-11.87/-10.9	-11.96/-13.6	-13.26/-11.28	-10.7/-11.26	-11.28/-10.71	-10.37/-10.16	-9.6/-9.42	-9.85/-9.4	-9.73/-9.76
Θ(37.5°)	-10.45/-12.01	-12.77/-12.17	-14.18/-18.88	-17.93/-16.46	-11.31/-10.15	-9.97/-12.29	-13.16/-12.99	-14.12/-13.31	-10.71/-8.89	-7.75/-7.31	-9.06/-10.8	-10.25/-11.76	-17.24/-19.07	-16.46/-14.73	-12.85/-11.67	-12.15/-14.16	-15.97/-14.97	-15.3/-14.97	-14.06/-13.89	-14.32/-13.73	-12.65/-11.74	-10.67/-8.56	-8.33/-9.73	-9.15/-9.47
Θ(45°)	-13.37/-18.02	-13.33/-9.83	-14.72/-17.38	-16.46/-11.86	-9.58/-9.72	-9.19/-9.23	-11.73/-17.18	-16.95/-12.06	-8.44/-6.22	-5.25/-5.02	-6.16/-9.79	-9.84/-9.75	-13.39/-18.78	-18.84/-19.01	-19.28/-17.69	-18.35/-17.24	-17.96/-17.81	-16.99/-15.19	-17.71/-15.8	-13.09/-13.22	-13.1/-12.14	-11.53/-9	-6.93/-6.89	-6.41/-8.62
Θ(52.5°)	-18.79/-15.02	-18.27/-12.31	-13.15/-14.9	-12.09/-9.33	-8.1/-7.19	-6.69/-8.31	-11.64/-12.12	-9.38/-8.47	-9.41/-10.36	-12.02/-10.69	-10.58/-18.58	-18.28/-18.38	-13.78/-15.98	-17.93/-18.49	-17.63/-14.84	-15.44/-16.6	-13.53/-11.57	-12.73/-14.82	-15.63/-19.32	-19.24/-11.76	-9.88/-10.17	-12.64/-14.61	-18.93/-17.89	-17.75/-19.07
Θ(60°)	-13.01/-10.73	-10.61/-7.85	-11.49/-14.45	-13.54/-14.91	-13.06/-10.53	-10.45/-13.87	-15.12/-10.9	-8.05/-7.8	-10.56/-15.34	-14.75/-15.68	-16.54/-17.86	-18.89/-17.96	-19.13/-19.2	-18.46/-14.21	-9.81/-9.4	-7.78/-7.67	-10.68/-13.63	-11.01/-9.82	-10.85/-11.36	-10.19/-10.11	-9.23/-10.26	-12.28/-13.8	-16.29/-17.61	-18.18/-18.98
Θ(67.5°)	-18.98/-15.3	-15.23/-14.62	-18.89/-19.25	-12.96/-10.05	-12.31/-13.58	-11.29/-10.74	-10.19/-10.76	-12.76/-15.04	-14.15/-11.33	-8.59/-10.34	-13.19/-19	-17.35/-18.23	-18.53/-18.52	-17.39/-13.37	-14.03/-15.11	-14.36/-15.78	-17.1/-15.4	-11.79/-11.62	-11.1/-11.22	-10.58/-8.36	-9.86/-12.32	-16.07/-17.02	-15.84/-17.94	-18.22/-19.09
Θ(75°)	-11.87/-9.55	-8.98/-10.35	-8.56/-6.19	-4.02/-3.25	-3.04/-3.4	-5.67/-8.12	-9.62/-11.41	-17.58/-18.15	-18.01/-14.03	-12.73/-13.29	-18.86/-18.39	-15.25/-13.3	-13/-15.83	-13.84/-17.19	-18.08/-18.34	-19.24/-18.08	-19.16/-19.28	-17.98/-17.87	-18.75/-14.41	-13.22/-11.54	-11.44/-14.31	-13.94/-14.03	-14.83/-15.5	-17.81/-14.85
Θ(82.5°)	-11.11/-11.1	-8.89/-6.63	-7.33/-7.55	-7.77/-7.86	-6.47/-5.41	-7.1/-10.35	-14.4/-16.07	-17.05/-16.88	-13/-11.67	-14.84/-15.41	-18.83/-18.88	-12.97/-9.57	-8.88/-9.34	-12.41/-17.76	-17.98/-19.06	-11.95/-11.07	-11.87/-13.27	-18.17/-17.97	-16.83/-18.4	-19.31/-19.23	-13.5/-12.27	-11.74/-13.77	-15.17/-15.11	-12.12/-11.81
Θ(90°)	-9.67/-11.3																							



Radiated Composite Gain Data <2.4GHz and 5GHz U-NII 1~U-NII 4>

Appendix A

Θ(105°))	-6.48/-6.36 -2.71/-1.78	-6.91/-5.73	-8.87/-8.64	-10.74/-11.51	-10.54/-10.85	-12.24/-18.64	-14.13/-11.8	-10.67/-8.74	-7.31/-6.43	-7.53/-9.33	-11.05/-9	-7.26/-10.04	-15.53/-17.15	-18/-18.62	-19.26/-17.88	-7.85/-8.05	-11.26/-10.92	-8.69/-10.64	-12.16/-13.05	-15.18/-12	-14.4/-18.55	-18.45/-12.33	-10.35/-8.43	-6.83/-7.07
Θ(127.5°))	-6.9/-6.77	-5.39/-5.59	-6.84/-7.12	-7.41/-10.97	-11.03/-13.15	-17.03/-15.87	-19.35/-13.44	-9.79/-9.00	-11.39/-14.28	-19.12/-17.39	-14.36/-8.28	-14.92/-15.89	-18.37/-17.63	-16.12/-13.32	-13.99/-9.04	-10.03/-6.1	-8.42/-9.16	-6.14/-8.09	-14.38/-10.4	-10.97/-17.19	-15.65/-15.88	-11.2/-15.05	-12.47/-7.88	-3.96/-3.75
Θ(120°))	-9.22/-4.53	-3.8/-4.15	-6.2/-9.29	-7.67/-11.57	-16.63/-14.65	-10.51/-7.99	-6.93/-5.82	-3.68/-4.99	-8.38/-10.86	-12.94/-16.73	-17.74/-19.52	-19.28/-13.26	-18.86/-11.74	-15.61/-13.54	-9.53/-11.34	-14.07/-7.84	-9.22/-8.71	-5.67/-7.45	-12.3/-9.25	-4.93/-6.71	-8.16/-10.5	-10.05/-8.01	-14.78/-18.76	-12.39/-7.78
Θ(127.5°))	-6.9/-6.77	-12.24/-14.85	-11.95/-12.17	-13.55/-8.95	-10.04/-11.66	-7.78/-6.4	-8.44/-8.45	-8.95/-11.69	-11.98/-15.18	-13.62/-13.19	-16.01/-17	-17.91/-12.78	-13.85/-15.01	-13.1/-11.49	-10.39/-10.2	-9/-8.42	-5.63/-13.45	-5.54/-7.99	-14.4/-14.52	-7.78/-6.5	-7.74/-8.52	-10.67/-9.22	-9.45/-9.16	-6.18/-6.38
Θ(135°))	-9.44/-6.34	-5.37/-7.71	-6.95/-9.4	-18.86/-17.65	-14.86/-9.47	-10.44/-10.43	-8.57/-7.92	-10.41/-13.52	-18.03/-16.89	-16.66/-17.99	-14.97/-12.1	-13.62/-16.81	-10.92/-13.54	-15.46/-9.76	-7.49/-4.37	-10.11/-5.05	-9.31/-12.27	-9.65/-17.87	-18.51/-12.28	-13.34/-13.25	-13.53/-11.89	-13.31/-18.88	-19.1/-16.96	-10.63/-9.58
Θ(142.5°) 21	-15.83/-14.21	-13.03/-12.5	-11.31/-10.4	-15.31/-17.6	-15.07/-9.62	-6.42/-5.7	-7.2/-9.49	-12.92/-17.85	-18.83/-19.01	-14.81/-9.91	-8.49/-9.85	-11.93/-9.92	-8.6/-11.15	-9.57/-5.53	-5.63/-7.6	-9.03/-7.7	-14.42/-17.72	-18.31/-18.48	-17.7/-11.14	-10.29/-14.25	-18.2/-15.89	-11.51/-12.38	-16.13/-12.06	-10.64/-13.18
Θ(150°) 91	-16.67/-14.91	-11.9/-12.42	-14.36/-18.52	-17.85/-13.27	-11.46/-9.89	-8.17/-8.31	-10/-11.93	-11.65/-11.18	-10.19/-8.82	-7.13/-7.65	-10.5/-12.2	-11.84/-15.55	-18.57/-16.95	-14.97/-18.36	-18.12/-13.38	-10.64/-12.88	-18.06/-18.64	-19/-18.85	-18.28/-11	-9.52/-12.55	-18.79/-18.14	-18.49/-14.07	-13.16/-14.83	-15.28/-14.25
Θ(157.5°) 99	-14.02/-13.99	-13.62/-12.88	-12.44/-11.42	-11.59/-14.1	-18.44/-18.8	-17.94/-17.74	-18.59/-17.76	-14.77/-13.27	-11.56/-9.97	-8.35/-8.49	-9.25/-9.95	-10.05/-10.7	-12.38/-15.42	-18.97/-19.01	-17.44/-19.25	-18.72/-18.18	-17.53/-18.87	-18.64/-17.56	-18.33/-12.17	-10.6/-12.07	-14.5/-15.13	-16.95/-18.01	-18.53/-17.71	-17.21/-15.17
Θ(165°))	-9.38/-8.04	-7.03/-7.03	-7.57/-8.25	-9.34/-11.74	-13.22/-14.8	-15.91/-14.89	-13.34/-13.4	-12.58/-11.23	-10.34/-9.56	-9.22/-9.77	-11.77/-15.48	-16.87/-13.2	-10.02/-8.33	-7.95/-9.24	-12.18/-16.66	-17.4/-19.33	-17.97/-17.28	-17.45/-18.11	-18.23/-18.46	-18.65/-17.74	-17.73/-15.82	-13.46/-13.19	-12.95/-11.53	-10.13/-9.37
Θ(172.5°))	-9.88/-9.64	-9.21/-9.87	-10.79/-11.64	-12.89/-13.76	-12.9/-13.27	-13.39/-13.01	-13.08/-12.69	-12.26/-11.31	-10.93/-10.64	-10.2/-9.92	-9.36/-8.77	-8/-7.69	-7.48/-7.32	-7.55/-8.23	-9.27/-10.76	-12.72/-14.01	-14.79/-15.63	-15.72/-16.69	-15.38/-15.36	-14.53/-12.74	-12.56/-11.75	-11.98/-10.88	-9.98/-8.83	-10.54/-10.18
Θ(180°) 15	-15.5/-17.2	-17.04/-15.99	-14.23/-12.91	-12.76/-12.94	-12.68/-13.33	-13.44/-14.83	-17.36/-17.27	-19.89/-17.94	-18.12/-18.74	-19.41/-18.28	-18.96/-19.14	-18.33/-18.61	-17.84/-16.33	-15.04/-13.78	-12.79/-12.36	-11.64/-11.06	-10.88/-10.89	-11.18/-11.15	-10.9/-10.54	-10.71/-9.87	-9.81/-10.57	-11.89/-13.33	-14.59/-14.48	-16.98/-18.21
Freq(Hz) 5.3G/Pol.	Theta/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°)	-18.82/-18.94	-18.08/-18.5	-18.73/-18.85	-19.08/-17.35	-18.37/-17.56	-17.73/-17.51	-19.58/-18.13	-18.92/-19.68	-18.33/-16.56	-14.36/-14.93	-15.87/-16.84	-17.16/-16.84	-16.18/-16.07	-16.34/-19.05	-18.22/-17.39	-17.94/-17.92	-18.53/-19.25	-18.38/-17.66	-15.87/-17.02	-16.97/-18.44	-18.86/-19	-18.02/-19.24	-17.48/-19.18	-19.09/-17.89
Θ(7.5°)	-13.53/-12.55	-12.46/-13.68	-15.99/-19.1	-18.62/-15.63	-13.53/-12.14	-11.84/-12.06	-11.55/-12.6	-13.09/-13.75	-14.56/-14.43	-13.96/-15.75	-18.08/-18.79	-18.91/-18.33	-18.02/-18.55	-18.45/-18.61	-19.32/-18.64	-17.99/-18.5	-18.4/-18.91	-18.04/-17.39	-19.01/-17.51	-18.59/-19.07	-17.83/-16.32	-14.31/-13.51	-13.85/-14.06	-14.7/-13.79
Θ(15°)	-9.54/-8.01	-8.17/-9.19	-10.05/-9.33	-9.03/-8.01	-8.51/-9.56	-10.09/-11.91	-12.71/-14.21	-13.46/-13.61	-13.44/-12.81	-12.97/-13.69	-15.56/-18.4	-18.9/-18.71	-16.87/-14.33	-13.12/-12.52	-13.57/-15.41	-17.16/-18.75	-18.85/-18.14	-17.43/-19.2	-18.78/-17.76	-19.31/-17.77	-18.28/-18.51	-18.38/-15.27	-13.13/-11.57	-11.33/-9.7
Θ(22.5°)	-8.05/-7.52	-7.46/-6.69	-5.87/-4.77	-5.34/-5.69	-7.38/-9.49	-10.91/-12.81	-14.91/-15.87	-15.02/-13.44	-11.55/-12.02	-12.91/-14.08	-15.12/-18.41	-18.19/-17.94	-14/-11.32	-9.47/-8.77	-8.93/-9.88	-12.03/-17.44	-18.34/-19.31	-19.7/-18.62	-18.25/-16.21	-13.49/-12.39	-12.24/-12.77	-13.23/-13.81	-12.37/-12.37	-10.62/-8.93
Θ(30°)	-6.93/-7.49	-6.89/-6.64	-5.98/-5.5	-5.7/-6.81	-8.71/-10.93	-14.98/-18.9	-18.18/-18.94	-18.63/-18.26	-17.78/-18.43	-16.98/-15.08	-12.89/-12.72	-15.62/-19.11	-17.88/-14.12	-10.5/-8.89	-7.73/-7.6	-9.57/-14.8	-14.79/-13.17	-15.4/-13.74	-11.77/-13.51	-15.41/-12.31	-11.79/-12.18	-10.81/-10.17	-9.06/-10.13	-9.31/-9.05
Θ(37.5°)	-5.16/-5.91	-6.85/-7.24	-6.69/-6.12	-6.43/-8.04	-10.62/-14.2	-17.92/-16.71	-12.5/-10.09	-8.33/-8.58	-12.51/-18.79	-13.35/-16.13	-11.96/-10.04	-10.76/-11.54	-11.99/-11.4	-10/-9.9	-10.53/-13.48	-18.63/-18.6	-13.69/-16.16	-19.32/-11.61	-9.42/-13.24	-19.33/-13.07	-11.09/-10.74	-8.77/-7.55	-5.97/-4.94	-4.38/-4.92
Θ(45°)	-1.58/-2.64	-5.36/-7.99	-7.4/-6.7	-8.92/-14.09	-16.45/-16.16	-18.27/-18.95	-12.28/-9.86	-8.21/-8.81	-14.66/-18.35	-16.1/-12.85	-10.46/-8.2	-9.62/-10.62	-12.57/-16.37	-16.56/-18.6	-18.25/-18.25	-17.65/-13.07	-13.09/-15.52	-13.82/-10.65	-8.32/-9.48	-7.82/-10.65	-2.1/-1.13	-0.98/-0.19	0.1/-0.95	
Θ(52.5°)	-0.71/-2.55	-7/-12.4	-9.43/-6.73	-8.29/-11.17	-11.54/-12.63	-19.26/-17.34	-10.65/-8.1	-6.77/-7.21	-9.86/-13.85	-15.48/-13.15	-12.7/-9.81	-9.23/-11.39	-10.68/-9	-11.37/-17.56	-18.79/-19.16	-18.41/-15.42	-11.64/-10.45	-9.12/-6.59	-4.33/-2.78	-0.91/-0.8	-2.11/-0.51	1.25/-1.66	1.72/-2.04	1.19/-0.47
Θ(60°)	-1.04/-2.87	-6.56/-6.57	-6.32/-8.88	-11.25/-8.33	-7.12/-9.28	-15.99/-18.97	-13.88/-9.89	-6.82/-6.5	-7.44/-10.97	-18.12/-18.7	-18.42/-14.83	-13.92/-15.45	-9.16/-7.15	-10.87/-19.22	-18.12/-14.88	-12.73/-15.49	-11.42/-4.2	-2.2/-4.53	-4.45/-1.7	-0.12/-1.92	1.95/-1.62	2.52/-2.65	3.66/-3.63	2.11/-0.75
Θ(67.5°)	1.30/-9.2	-1.63/-2.31	-5.67/-12.46	-11.72/-9.82	-12.45/-14.2	-17.92/-11.7	-9.81/-9.84	-11.31/-18.25	-19.17/-10.93	-18.08/-18.04	-15.18/-14.45	-16.66/-13.89	-7.77/-9.6	-11.77/-17.57	-17.92/-9.8	-10.27/-6.06	-5.33/-2.69	-0.75/-0.9	2.58/-3.41	3.71/-2.68	2.31/-1.96	2.96/-3.6	2.71/-1.03	
Θ(75°)	-0.27/-0.9	-4.89/-2.01	-3.98/-7.41	-12.71/-8.52	-8.74/-6.96	-6.24/-8.32	-11.01/-10.96	-9.94/-12.93	-14.97/-18.18	-11.95/-15.91	-7.27/-10.91	-12.46/-18.83	-8.32/-8.81	-8.35/-12.67	-12.47/-5.39	-3.37/-1.55	-4.74/-3.7	0.41/-1.69	2.74/-3.59	4.29/-4.14	4.77/-3.82	2.39/-1.19	1.87/-3.21	2.79/-0.49
Θ(82.5°)	-2.88/-3.41	-7.91/-2.13	-3.36/-7.02	-5.56/-9.83	-12.67/-9.14	-12.45/-11.89	-10.52/-10.1	-10.76/-13.41	-11.59/-10.8	-10.38/-16.72	-9.16/-8.77	-10.86/-6.77	-8.25/-10.41	-7.24/-8.99	-2.38/-0.28	-4.39/-1.94	2.45/-5.98	2.28/-3.72	5.08/-4.81	4.64/-3.72	2.37/-2.23	2.14/-2.41	1.43/-3.98	
Θ(90°)	-0.2/-0.7	-5.27/-4.1	-8.64/-9.01	-4.84/-5.89	-6.17/-7.93	-14.29/-16.8	-14.16/-16.98	-18.12/-18.7	-11.21/-11.57	-18.06/-15.92	-14.4/-10.06	-16.61/-9.77	-14.61/-4.64	-6.49/-13.95	-9.29/-10.95	-9.11/-3.01	-4.22/-1.85	1.67/-0.71	-1.8/-1.62	4.25/-4.93	4.73/-3.5	2/-2.26	3.24/-2.23	1.54/-0.56
Θ(97.5°)	-0.36/-1.78	-3.64/-2.69	-7.65/-11.17	-6.85/-7.32	-6.28/-6.95	-11.19/-9.78	-9.77/-11.76	-12.66/-16.17	-15.92/-16.2	-18.71/-14.16	-18.73/-12.66	-18.18/-17.44	-8.54/-7.58	-13.95/-16.88	-9.04/-10.38	-6.43/-4.44	-6.99/-2.29	1.02/-1.81	-2.25/-0.7	1.78/-3.05	3.08/-1.02	0.40/-8.6	3.37/-2.42	0.25/-1.17
Θ(105°)	-4.28/-7.55	-11.39/-7.03	-6.88/-9.06	-9.49/-11.6	-13.8/-11.86	-14.34/-11.31	-11.98/-12.58	-11.63/-16	-17.8/-18.41	-12.56/-10.83	-15.5/-10.89	-18.73/-18.21	-7.01/-8.27	-18.91/-19.02	-9.49/-7.1	-2.16/-1.53	-3.72/-0.74	2.29/-2.66	-4.11/-1.6	1.13/-2.21	1.92/-1.21	-1.34/-0.36	1.58/-0.45	-2.14/-4.27
Θ(112.5°))	-6.87/-7.56	-6.59/-10.42	-10.5/-13.81	-9.74/-9.96	-18.38/-14.59	-13.6/-9.35	-6.86/-7.16	-7.23/-9.02	-14.83/-13.86	-14.29/-18.16	-14.9/-9.79	-14.46/-18.01	-6.37/-8.52	-9.02/-14.51	-1.93/-3.89	-7.14/-0.73	1.5/-5.03	-7.1/-1.09	2.15/-4.26	1.89/-0.5	-3.9/-0.81	0.82/-0.68	-7.96/-6.69	
Θ(120°)	-2.83/-7.79	-4.91/-7.01	-9.56/-9.68	-14.03/-13.61	-19.32/-17.79	-12.48/-11.8	-8.34/-7.43	-6.77/-7.35	-7.54/-7.05	-9.04/-14.46	-15.16/-14.05	-7.35/-15.76	-3.92/-7.89	-11.79/-10.95	-12.09/-4.62	-0.05/-12.86	-7.73/-4.27	0.25/-5.58	-11.24/-0.56	1.29/-2.36	0.17/-1.59	-8.21/-0.2	2.41/-0.96	-6.05/-6.67
Θ(127.5°))	-4.13/-6.26	-5.73/-4.45	-6.79/-6.06	-7.51/-9.21	-9.24/-14.52	-17.02/-17.25	-12.19/-6.81	-6.07/-6.56	-5.34/-6.27	-7.63/-10.58	-13.22/-16.18	-13.24/-10	-6.84/-12.41	-11.06/-8.51	-17.99/-3.37	-2.26/-17.93	-6.23/-0.61	1.18/-5	-8.21/-0.16	0.85/-2.29	0.57/-3.21	-5.33/-2.47	0.99/-0.44	-4.06/-5.85
Θ(135°)	-4.26/-6.85	-7.46/-6.54	-7.74/-7.37	-6.52/-7.13	-6.82/-6.51	-10.11/-16.79	-18.17/-12.82	-16.25/-11.4	-10.12/-9.37	-7.3/-7.91	-10.16/-8.6	-8.79/-11.06	-9.51/-9.96	-17.75/-13.4	-18.58/-9.51	-3.92/-10.2	-2.71/-2	0.57/-8.75	-18.9/-7	-5.71/-3.57	-1.31/-4.68	-7.77/-3.69	-1.42/-2.93	-5.27/-5.18
Θ(142.5°))	-6.67/-7.18	-6.91/-5.45	-4.81/-5.98	-10.32/-16.56	-19.07/-17.67	-14.04/-7.28	-6.73/-7.2	-9.26/-10.9	-11.2/-13.61	-15.46/-18.76	-18.43/-15.93	-15.42/-16.77	-12.21/-11.98	-12.29/-11.64	-19.49/-16.99	-8.86/-5.18	-4.33/-7.19	-11.75/-8.4	-5.88/-9.11	-7.15/-4.18	-5.51/-4.58	-3.21/-4.67	-8.62/-9.6	
Θ(150°)	-16.66/-14.92	-12.71/-12.66	-																					



Radiated Composite Gain Data <2.4GHz and 5GHz U-NII 1~U-NII 4>

Appendix A

Freq(Hz) ⌈	5.785G/Pol.	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°)	-13.45/-18.86	-17.39/-19.61	-14.93/-13.22	-13.2/-13.75	-14.19/-13.82	-13.66/-14.26	-13.54/-13.03	-12.71/-12.33	-13.14/-13.11	-13.31/-13.78	-13.74/-13.86	-13.89/-14.51	-15.78/-16.09	-16.45/-17.5	-18.7/-19.11	-18.03/-18.09	-16.72/-16.23	-15.51/-15.67	-14.86/-15.13	-14.12/-13.4	-12.32/-12.39	-12.85/-15.91	-16.45/-15.54	-11.87/-11.43
Θ(7.5°)	-9.67/-11.5	-14.96/-15.34	-18.86/-17.09	-18.65/-19.11	-18.18/-18.88	-18.68/-19.33	-15.94/-13.3	-11.7/-10.75	-11.04/-12.8	-14.88/-15.52	-15.33/-15.98	-17.06/-19.16	-18.9/-18.23	-18.17/-17.17	-17.58/-17.39	-18.18/-17.02	-17.19/-17.04	-17.23/-17.33	-15.39/-14.85	-14.23/-14.23	-12.89/-11.73	-10.05/-10.06	-10.91/-13.54	-12.32/-10.62
Θ(15°)	-11.54/-11.18	-11.17/-11.13	-12.79/-14.79	-16.63/-19.58	-17.9/-18.16	-19.05/-18.41	-15.36/-14.06	-13.63/-12.97	-13.51/-15.24	-16.05/-15.93	-17.07/-16.98	-15.17/-13.91	-12.54/-12.48	-13.15/-14.45	-15.4/-14.95	-13.75/-12.71	-11.77/-11.83	-12.1/-11.89	-11.51/-11.17	-11.34/-11.32	-11.34/-10.54	-9.92/-9.28	-10.18/-11.32	-13.52/-11.67
Θ(22.5°)	-11.03/-10.06	-9.9/-10.55	-12.17/-13.94	-17.34/-17.96	-17.73/-19.17	-19.56/-18.32	-14.81/-14.57	-12.8/-13.24	-13.5/-14.99	-15.57/-17.79	-18.41/-15.43	-12.69/-11.14	-10.35/-10.7	-12.17/-14.06	-14.94/-13.9	-13.41/-11.91	-10.99/-10.14	-9.39/-8.05	-6.89/-6.69	-7.31/-8.23	-9.8/-10.1	-10.95/-11.96	-12.26/-11.3	-10.48/-9.88
Θ(30°)	-8.99/-9.3	-10.51/-10.75	-10.83/-13.33	-17.79/-19.25	-16.8/-17.32	-17/-16.49	-14.11/-13.45	-12.88/-14.09	-15.05/-16.01	-14.36/-13.75	-13.81/-16.1	-18.09/-15.29	-12.17/-10.9	-10.76/-11.37	-11.41/-10.32	-9.94/-9.26	-8.18/-6.62	-5.88/-6.2	-7.28/-8.36	-8.77/-8.83	-9.63/-9.73	-9.77/-8.91	-8.24/-8.07	-7.42/-8.19
Θ(37.5°)	-8.79/-11.07	-10.71/-8.83	-10.29/-14.84	-18.44/-18.94	-18.32/-17.59	-18.15/-17.66	-18.62/-19.02	-16.6/-16	-18.97/-19.45	-18.92/-18.79	-18.68/-18.09	-18.08/-17.1	-18.54/-18.61	-17.26/-15.4	-13.49/-10.49	-8.21/-7.39	-8.06/-9.39	-10.09/-8.71	-7.42/-6.95	-8.58/-9.78	-10.76/-11.21	-10.18/-9.9	-9.15/-7.27	-6.07/-7.05
Θ(45°)	-7.09/-6.59	-6.8/-10.86	-17.59/-14.3	-13.82/-14.52	-12.91/-12.42	-15.59/-14.32	-12.51/-11.93	-12.9/-16.13	-19.19/-18.48	-18.1/-16.33	-18.15/-15.7	-13.37/-15.28	-15.37/-11.94	-12.23/-14.11	-14.87/-15.46	-11.9/-10.68	-12.56/-12.46	-10.63/-9.13	-7.73/-7.22	-7.86/-10.28	-10.91/-9.16	-6.37/-5.02	-5.19/-5.31	-5.81/-5.45
Θ(52.5°)	-5.32/-5.5	-5.9/-8.2	-8.59/-8.98	-9.37/-7.53	-6.97/-8.65	-12.04/-12.69	-11.65/-12.72	-15.86/-17.32	-18.64/-17.68	-18.32/-19.72	-17.47/-19.34	-18.99/-19.56	-12.68/-10.88	-10.52/-10.38	-13.92/-18.62	-17.95/-13.59	-10.41/-9.07	-11.92/-16.63	-14.37/-11.84	-9.52/-8.95	-7.49/-5.92	-3.92/-2.88	-2.58/-2.95	-4.27/-5
Θ(60°)	-12.88/-12.65	-13.9/-13.95	-9.31/-8.95	-6.45/-5.34	-5.58/-7.15	-9.53/-10.38	-11.85/-15.28	-18.17/-17.17	-18.19/-18.34	-18.71/-14.69	-17.64/-16.77	-13.64/-13.87	-14.01/-18.21	-18.54/-19.46	-11.99/-11.12	-11.88/-11.61	-9.97/-11.02	-13.65/-12.28	-9.5/-6.25	-5.84/-4.52	-4.86/-5.46	-5.6/-5.56	-6.63/-8.23	
Θ(67.5°)	-14.88/-10.09	-9/-5.82	-4.22/-4.72	-6.01/-9.5	-11.5/-10.76	-9.14/-6.46	-4.38/-5.33	-11.6/-18.55	-14.95/-18.83	-15.53/-13.22	-11.53/-16.63	-17.66/-18.24	-16.81/-15.49	-18.9/-15.41	-14.17/-13.44	-12.07/-9.69	-10.79/-10.79	-6.97/-6.68	-6.56/-6.59	-5.35/-4.57	-5.66/-8.88	-9.71/-11.73	-12.45/-10.99	-13.21/-14.99
Θ(75°)	-9.09/-6.68	-6.02/-4.95	-3.68/-2.4	-3.64/-6.41	-11.64/-18.68	-10.94/-5.3	-4.71/-7.06	-10.56/-12.59	-13.03/-19.2	-12.45/-7.64	-6.98/-9.27	-11.4/-11.79	-14.78/-11.24	-10.74/-10.12	-13.59/-18.29	-12.55/-7.4	-9.17/-11.03	-5.23/-4.88	-6.27/-4.4	-3.71/-3.18	-4.77/-9.32	-13.33/-12.96	-15.07/-15.74	-14.45/-10.56
Θ(82.5°)	-12.82/-12.95	-6.98/-5.2	-4.76/-4.65	-5.45/-8.23	-11.16/-11.97	-11.08/-10.6	-10.33/-11.69	-16.36/-18.03	-15.97/-13.02	-16.18/-12.5	-13.41/-17.78	-18.28/-18.45	-19.4/-13.02	-12.78/-15.91	-16.04/-18.15	-13.35/-8.21	-13.39/-12.64	-5.43/-4.54	-4.77/-3.73	-2.39/-4.16	-4.56/-7.4	-10.5/-9.52	-9.19/-10.71	-11.94/-14.85
Θ(90°)	-11.41/-11.54	-7.49/-7.93	-8.77/-11.33	-10.67/-12.16	-13.75/-11.96	-16.55/-14.09	-18.55/-19.1	-16.03/-11.99	-10.74/-8.97	-10.49/-10.7	-15.51/-18	-13.01/-15.32	-18.18/-13.55	-13.32/-15.09	-16.47/-19.34	-9.87/-6.32	-7.89/-14.21	-8.77/-12.36	-7.28/-5.8	-3.75/-5.23	-6.51/-9.6	-16.18/-14.75	-16.75/-18.93	-18.86/-17.73
Θ(97.5°)	-12.11/-10.91	-10.47/-9.8	-8.61/-10.2	-15.64/-19.24	-18.56/-18.23	-18/-16.07	-14.32/-12.2	-10.69/-8.26	-5.83/-5.95	-7.64/-9.56	-10.07/-8.14	-10.39/-9.28	-18.32/-9.75	-13.47/-18.03	-11.22/-13.5	-11.1/-8.44	-11.64/-8.76	-6.81/-11.96	-14.45/-7.58	-4.51/-5.39	-9.43/-14.97	-18.82/-18.57	-16.39/-13.73	-13.95/-12.18
Θ(105°)	-9.39/-8.37	-9.46/-12.07	-16.51/-13.95	-12.86/-10.93	-10.3/-15.46	-17.88/-16.15	-16.17/-12.32	-8.85/-7.98	-6.86/-9.26	-11.09/-16.91	-18.36/-18.42	-11.98/-12.68	-14.65/-12.76	-13.52/-18.43	-13.47/-12.94	-8.76/-12.66	-12.64/-7.37	-4.49/-6.18	-5.83/-6.83	-5.77/-7.46	-13.02/-14.84	-11.96/-13.49	-12.4/-7.35	-7.14/-8.59
Θ(112.5°)	-14.17/-12.55	-16.05/-12.22	-12.88/-13.36	-12.62/-14.69	-10.01/-10.31	-11.12/-13.08	-13.8/-14.03	-12.26/-9.82	-9.37/-12.01	-19.21/-11.83	-10.77/-18.11	-14.59/-14.9	-18.09/-18.04	-14.04/-17.96	-10.02/-13.38	-13.52/-8.82	-10.66/-7.7	-6.42/-8.58	-7.31/-6.12	-9.8/-9.43	-12.61/-12.84	-10.54/-11.7	-10.17/-7.78	-10.79/-13.03
Θ(120°)	-15.19/-10.58	-10.46/-10.26	-13.8/-14.93	-8.73/-9.01	-7.38/-10.08	-17.1/-13.37	-12.59/-14.11	-13.01/-8.07	-11.3/-12.08	-12.5/-8.54	-8.31/-8.1	-9.72/-19.14	-19.27/-18.26	-13.37/-18.05	-9.91/-18.67	-18.18/-10.65	-17.83/-10.43	-14.3/-17.81	-16.7/-8.39	-7.95/-13.45	-12.88/-17.39	-18.41/-14.89	-8.91/-6.63	-13.34/-10.08
Θ(127.5°)	-14.89/-12.51	-11.69/-12.96	-7.93/-9.87	-6.66/-7.47	-10.91/-11.26	-12.22/-12.92	-13.83/-17.83	-17.53/-14.91	-14.84/-18.31	-11.46/-10.4	-10.92/-15.34	-19.11/-18.07	-18.5/-12.67	-13.41/-12.86	-18.56/-9.65	-18.8/-7.95	-14.3/-14.28	-18.07/-12.24	-18.14/-18.92	-13.98/-13.72	-18.67/-18.85	-14.49/-9.99	-8.96/-9.15	-13.22/-10.66
Θ(135°)	-10.43/-9.74	-9.57/-11.97	-9.64/-8.58	-9.93/-8.1	-10.63/-17.98	-17.79/-14.86	-17.58/-18.64	-18.12/-18.05	-17.8/-15.72	-15.12/-19.19	-17.83/-14.18	-11.88/-12.79	-16.53/-12.64	-18.98/-18.35	-16.61/-14.82	-14.29/-10.14	-18.36/-17.44	-14.94/-13.23	-11.5/-10.42	-18.89/-17.21	-18.62/-18.55	-19.31/-15.92	-13.25/-14.33	-13.77/-13.19
Θ(142.5°)	-17.47/-17.73	-17.62/-16.95	-11.87/-9.73	-13.21/-14.49	-13.46/-11.95	-10.47/-9.23	-9.4/-10.43	-12.95/-15.31	-17.85/-15.42	-12.73/-9.76	-9.71/-12.34	-14.97/-17.2	-17.84/-14.35	-9.89/-9.32	-13.01/-11.62	-9.86/-19.36	-13.68/-14.74	-13.8/-11.1	-8.41/-7.36	-9.63/-13.64	-12.46/-12.3	-16.46/-17.33	-16.03/-17.78	-18.47/-17.57
Θ(150°)	-15.09/-15.03	-16.11/-16.52	-15.17/-16.6	-16.2/-14.65	-13.73/-16.04	-18.19/-17.79	-18.56/-18.65	-19.28/-19.25	-15.6/-13.46	-12.2/-11.51	-13.71/-17.8	-18.36/-18.77	-15.73/-12.27	-11.34/-15.09	-17.79/-11.27	-10.29/-18.14	-13.67/-13.25	-18.25/-17.76	-16.29/-12.16	-14.33/-18.13	-18.59/-17.72	-18.71/-19.26	-14.66/-13.65	-15.45/-17.02
Θ(157.5°)	-13.98/-11.2	-9/-9.64	-13.11/-18.76	-16.99/-14.91	-14.28/-14.65	-16.51/-19.11	-19.04/-18.65	-17.4/-18.42	-18.18/-18.31	-15.9/-12.33	-11.55/-11.37	-12.17/-13.75	-13.09/-11	-10.62/-12.14	-15.67/-17.79	-17.59/-16.8	-16.33/-18.14	-17.85/-18.28	-14.69/-12.67	-15.07/-19.07	-18.23/-19.29	-13.62/-10.7	-9.81/-9.32	-10.71/-10.7
Θ(165°)	-16.75/-16	-15.25/-19.12	-19.58/-15.02	-12.81/-11.95	-10.73/-10.6	-11.28/-13.21	-15.84/-17.56	-18.87/-17.4	-19.01/-18.75	-16.37/-14.6	-14.87/-14.53	-14.73/-14.96	-15.37/-15.62	-15.78/-14.73	-12.85/-11.6	-10.86/-10.16	-10.86/-12.76	-17.44/-19.01	-18.55/-18.66	-17.91/-18.32	-19/-18.13	-18.94/-16.37	-15/-16.27	-18.16/-17.23
Θ(172.5°)	-16.9/-17.48	-15.07/-12.6	-11.8/-12.46	-12.2/-12.82	-12.55/-13	-13.7/-14.75	-16.12/-16.33	-15.95/-16.21	-17.04/-18.79	-18.22/-18.85	-19.04/-19.28	-18.78/-18.11	-17.04/-15.73	-14.92/-13.96	-12.86/-12.3	-11.42/-11.08	-11.18/-12.22	-14.3/-16	-18.84/-18.72	-18.16/-18.74	-18.11/-18.72	-19.07/-18.31	-16.51/-16.44	-17.2/-19.37
Θ(180°)	-18.33/-16.59	-12.67/-11.25	-10.33/-10.91	-11.07/-11.78	-12.21/-13.04	-13.67/-13.71	-14.68/-15.48	-16.13/-17.07	-19.03/-17.95	-18.34/-17.81	-19.4/-18.94	-18.07/-18.99	-18.01/-18.15	-18.12/-18.11	-18.56/-19.03	-18.06/-18.76	-17.5/-18	-18.49/-17.31	-18.36/-19.31	-19/-17.37	-16.78/-18.68	-19.26/-18.15	-18.72/-18.7	-19.17/-18.8

Freq(Hz) ⌈	5.785G/Pol.	Theta/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°)	-15.41/-16.06	-15.62/-15.96	-14.97/-14.23	-13.28/-12.23	-12.53/-12.1	-12.01/-13.31	-15.04/-16.37	-17.25/-18.12	-19.52/-19.11	-17.53/-18.46	-16.7/-15.49	-14.84/-14.34	-13.65/-12.81	-12.03/-11.56	-11.45/-11.83	-11.98/-12.22	-12.03/-12.93	-13.73/-14.83	-15.52/-16.09	-15.57/-18.01	-18.49/-18.76	-18.75/-17.57	-18.03/-17.55	-17.46/-16.51
Θ(7.5°)	-15.56/-14.93	-14.45/-12.53	-12.83/-12.01	-10.56/-9.4	-9.24/-9.11	-9.33/-10.57	-11.69/-13.82	-14.41/-14.88	-15.91/-17.85	-17.94/-17.56	-16.44/-14.52	-14.53/-15.02	-15.94/-16.56	-16.71/-16.87	-17.28/-17.64	-17.56/-17.29	-16.97/-17.02	-16.1/-16.37	-15.45/-14.23	-12.87/-13.55	-13.12/-13.22	-14.08/-13.61	-13.56/-13.08	-16.29/-17.61
Θ(15°)	-11.72/-12.62	-12.44/-11.39	-11.31/-10.73	-9.78/-9.11	-8.92/-8.64	-8.81/-9.24	-9.91/-11.25	-11.03/-11.06	-11.36/-12.74	-13.96/-15.32	-15.73/-15.36	-15.76/-17.18	-18.14/-17.88	-18.47/-17.86	-19.26/-18.31	-16.9/-16.79	-17.44/-17.54	-17.32/-17.26	-16.17/-15.79	-15				



Radiated Composite Gain Data <2.4GHz and 5GHz U-NII 1~U-NII 4>

Appendix A

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Freq(Hz)	6.175G	6.475G	6.695G	6.995G
Ant. 1 Max Gain (dBi)	4.46	4.1	4.5	3.33
Ant. 2 Max Gain (dBi)	2.63	2.79	2.83	2.96
Ant. 3 Max Gain (dBi)	3.71	2.18	3.63	2.99
Ant. 4 Max Gain (dBi)	4.66	4.23	5.31	4.77
Ant. 5 Max Gain (dBi)	1.06	1.02	1.1	1.1
Ant. 6 Max Gain (dBi)	1.45	1.02	1.12	1.65
Ant. 7 Max Gain (dBi)	3.34	1.84	2.05	2
Ant. 8 Max Gain (dBi)	3.37	2.58	4	3.68
Ant. 1 Polarization/Θ(°)/Φ(°)	Phi/112.5/277.5	Phi/60/240	Phi/60/240	Phi/120/277.5
Ant. 2 Polarization/Θ(°)/Φ(°)	Phi/97.5/112.5	Phi/52.5/52.5	Phi/90/45	Phi/67.5/90
Ant. 3 Polarization/Θ(°)/Φ(°)	Theta/75/82.5	Theta/82.5/127.5	Theta/82.5/120	Theta/82.5/127.5
Ant. 4 Polarization/Θ(°)/Φ(°)	Theta/75/292.5	Theta/75/292.5	Theta/75/292.5	Theta/75/292.5
Ant. 5 Polarization/Θ(°)/Φ(°)	Phi/52.5/37.5	Phi/45/15	Phi/45/97.5	Phi/82.5/240
Ant. 6 Polarization/Θ(°)/Φ(°)	Phi/105/270	Phi/112.5/292.5	Phi/97.5/292.5	Phi/112.5/262.5
Ant. 7 Polarization/Θ(°)/Φ(°)	Theta/97.5/210	Theta/90/195	Theta/90/217.5	Phi/60/277.5
Ant. 8 Polarization/Θ(°)/Φ(°)	Theta/90/330	Phi/52.5/285	Phi/52.5/277.5	Theta/97.5/322.5
Max Gain (dBi)	4.66	4.23	5.31	4.77
DG [1SS] (dBi) option1	3.24	4.73	5.38	4.81
DG [1SS] (dBi) option2	3.18	2.58	2.24	2.9
DG [1SS] (dBi) option3	4.66	4.96	5.5	4.76
DG [1SS] (dBi) option4	3.85	2.63	1.94	2.67
DG [1SS] (dBi) option5	3.51	4.15	5.24	4.73
DG [1SS] (dBi) option6	2.15	1.96	3.14	3.58
DG [1SS] (dBi) option7	4.02	4.2	5.36	4.74
DG [1SS] (dBi) option8	3.54	2.12	3.2	3.37
DG [1SS] (dBi) option9	3.44	4.17	4.41	4.33
DG [1SS] (dBi) option10	3.2	2.38	2.87	2.45
DG [1SS] (dBi) option11	5.12	4.52	4.55	5.1
DG [1SS] (dBi) option12	4.71	2.62	3.8	4.36
DG [1SS] (dBi) option13	3.46	3.87	4.44	4.12
DG [1SS] (dBi) option14	2.19	1.77	3.2	3.21
DG [1SS] (dBi) option15	5.9	4.24	4.58	5.05
DG [1SS] (dBi) option16	5.52	2.37	3.47	4.3
DG [2SS] (dBi)	4.66	4.23	5.31	4.77
DG [4SS] (dBi)	4.66	4.23	5.31	4.77



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

Appendix B

DG 1SS Result

6G option1

Freq(Hz)	6.175GPol.	PhiL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DG(dB)	Phi(°)Psi(7.5°)	Phi(15°)Psi(22.5°)	Phi(30°)Psi(37.5°)	Phi(45°)Psi(52.5°)	Phi(60°)Psi(67.5°)	Phi(75°)Psi(82.5°)	Phi(90°)Psi(97.5°)	Phi(105°)Psi(112.5°)	Phi(120°)Psi(127.5°)	Phi(135°)Psi(142.5°)	Phi(150°)Psi(157.5°)	Phi(165°)Psi(172.5°)	Phi(180°)Psi(187.5°)	Phi(195°)Psi(202.5°)	Phi(210°)Psi(217.5°)	Phi(225°)Psi(232.5°)	Phi(240°)Psi(247.5°)	Phi(255°)Psi(262.5°)	Phi(270°)Psi(277.5°)	Phi(285°)Psi(292.5°)	Phi(300°)Psi(307.5°)	Phi(315°)Psi(322.5°)	Phi(330°)Psi(337.5°)	Phi(345°)Psi(352.5°)
Theta(°)	-2.04/-2.55	-3.16/-3.38	-3.75/-3.71	-3.85/-4.2	-4.24/-4.48	-4.68/-4.47	-4.24/-3.82	-3.49/-3.1	-2.86/-2.77	-2.72/-2.57	-2.6/-2.82	-3.27/-3.31	-4.31/-4.37	-4.24/-4.18	-3.98/-3.66	-3.84/-3.93	-4/-3.98	-4.43/-4.57	-4.51/-4.27	-3.6/-3.93	-2.25/-1.82	-2.11/-2.33	-2.15/-1.88	-1.61/-1.69
Theta(7.5°)	-4.16/-4.06	-3.85/-3.97	-3.95/-3.53	-3.26/-3.28	-3.35/-3.39	-3.51/-3.35	-3.41/-3.05	-2.65/-2.45	-2.48/-2.53	-2.17/-1.86	-1.51/-1.45	-1.39/-1.69	-2.06/-2.69	-2.9/-2.62	-2.46/-2.75	-2.82/-2.27	-3.13/-3.45	-3.83/-3.83	-4.02/-4.04	-3.63/-3.29	-3.03/-3.32	-3.87/-4.09	-4.3/-4.4	-4.17/-3.87
Theta(15°)	-2.44/-2.37	-1.44/-0.99	-1.04/-1.4	-1.2/-0.95	-0.88/-1.03	-1.4/-1.6	-1.7/-1.41	-1.08/-1.12	-1.33/-1.7	-2.13/-2.75	-3.23/-3.08	-2.71/-2.24	-1.93/-1.92	-1.88/-1.85	-1.31/-0.91	-0.87/-1.13	-1.24/-1.9	-2.73/-3.78	-4.41/-4.54	-4.83/-5.02	-4.77/-4.75	-4.45/-3.48	-3.06/-2.49	-2.59/-2.32
Theta(22.5°)	-3.62/-2.89	-1.68/-0.39	0.20/5.3	0.330/0.3	-0.76/-2.09	-3.27/-3.86	-3.76/-3.44	-3.62/-3.68	-4.1/-4.23	-4.36/-5.24	-5.65/-6.2	-5.44/-4.49	-3.35/-1.82	-0.74/-0.22	-0.41/-0.29	-0.48/-0.65	-1.47/-2.52	-3.34/-4.32	-5.14/-5.6	-6.02/-5.75	-5.55/-5.1	-5.11/-4.69	-4.13/-3.55	-3.59/-3.7
Theta(30°)	-4.08/-4.31	-3.59/-2.75	-1.73/-1.45	-2.34/-3.3	-4.9/-5.57	-4.85/-4.4	-3.61/-3.84	-4.65/-5.4	-6.14/-6.23	-6.22/-4.93	-3.84/-3.3	-3.35/-3.87	-2.95/-0.88	0.54/-1.28	1.41/-1.09	0.29/-0.83	-1.98/-2.78	-3.52/-3.88	-3.82/-4.3	-5.48/-5.89	-5.51/-5.03	-4.71/-4.2	-3.74/-3.31	-3.12/-3.54
Theta(37.5°)	-2.92/-3.59	-3.32/-2.17	-2.75/-3.55	-4.89/-4.87	-4.35/-5.34	-5.4/-5.15	-4.7/-4.72	-4.58/-4.73	-5.44/-4.84	-3.96/-4	-4.32/-3	-2.13/-2.23	-1.73/-0.81	2.48/-2.93	2.79/-2.73	2.08/-1.24	0.99/-0.08	-2.05/-3.66	-4.47/-4.34	-1.77/-1.18	-2.49/-4.12	-3.48/-2.41	-0.79/-0.49	-1.05/-2.02
Theta(45°)	-2.11/-3.3	-3.27/-3.05	-2.11/-2.54	-2.86/-4.01	-4.57/-4.42	-3.83/-3.9	-3.9/-3.07	-3.38/-4.37	-4.42/-4.44	-4.02/-3.52	-3.75/-3.15	-2.37/-1.86	-1.26/-0.08	1.57/-2.37	2.12/-2.48	2.33/-2.08	2.52/-34	2.35/-1.55	0.810/-72	0.32/-1.08	-3.52/-3.32	-2.9/-2.99	-3.01/-3.39	-2.63/-1.55
Theta(52.5°)	-1.49/-3.21	-3.88/-3.25	-1.24/-0.78	-1.25/-2.6	-5.18/-5.29	-5.51/-5.54	-3.34/-2.49	-2.82/-3.89	-4.41/-4.66	-5.01/-4.49	-3.76/-4.09	-3.17/-2.64	-2.99/-1.09	0.87/-1.3	1.21/-2.32	2.91/-28	2.89/-2.92	3.01/-237	0.95/-1.16	-0.97/-1.48	-2.26/-1.42	-0.84/-1.37	-2.29/-2.2	-3.27/-2.37
Theta(60°)	-1.61/-3.04	-3.06/-2.31	-1.89/-1.77	-2.56/-4.51	-5.12/-6	-5.53/-4.83	-3.73/-3.32	-3.97/-3.61	-4.67/-6.75	-5.77/-4.51	-6.09/-7.61	-7.05/-4.6	-3.6/-1.28	0.66/-0.8	0.53/-1.3	1.62/-56	2.48/-1.65	1.31/-0.39	-1.19/-1.57	-1.08/-2.41	-1.95/-0.29	-0.08/-1.2	-2.26/-2.25	-2.02/-1.85
Theta(67.5°)	-2/-1.85	-3.06/-3.5	-3.69/-3.41	-4.24/-2.81	-2.59/-4.27	-5.65/-4.69	-4.85/-3.8	-2.7/-3.53	-4.62/-3.75	-3.54/-4.36	-6.88/-8.3	-8.44/-6.02	-5/-3.78	-1.41/-0.26	0.52/-1.32	2.14/-2.98	2.15/-0.05	-0.91/-1.82	-2.31/-2.03	-4.09/-5.48	-2.46/-0.79	-2.48/-2.17	-2.61/-2.69	-2.13/-2.02
Theta(75°)	-0.78/-2.18	-3.03/-3.3	-3.08/-2.97	-2.87/-2.79	-2.52/-4.57	-5.9/-4.58	-3.54/-2.87	-2.17/-5.16	-5.14/-4.09	-4.68/-5.34	-6.37/-5.99	-8.48/-7.3	-5.89/-4.54	-1.26/-0.43	1.40/-37	0.22/-1.78	0.77/-0.54	-1.45/-5.33	-5.55/-2.12	-2.08/-4.19	-2.08/-0.92	-2.75/-3.4	-3.54/-3.42	-2.0/-16
Theta(82.5°)	-1.47/-2.11	-2.67/-5.32	-4.98/-4.66	-3.73/-3.8	-4.7/-7.28	-5.55/-5.85	-4.55/-4.82	-4.57/-4.44	-5.68/-6.06	-5.25/-5.49	-5.29/-5.22	-4.44/-4.46	-3.77/-3.12	-2.44/-0.2	0.67/-1.82	-2.130/-12	0.53/-1.08	-0.02/-2.26	-1.61/-1.07	-0.27/-3.58	-4.28/-2.41	-2.75/-5.58	-3.9/-2.55	-1.66/-0.5
Theta(90°)	-4.15/-3.83	-4.21/-4.85	-8.17/-8.79	-7.62/-6.02	-8.36/-9.15	-5.84/-5.71	-6.13/-4.38	-1.64/-2.29	-4.63/-5.51	-3.05/-2.91	-3.16/-4.31	-4.67/-4.68	-4.83/-2.53	-2.68/-0.74	-0.12/-2.91	-4.62/-0.93	1.49/-1.45	-1.38/-3.37	-1.650/-27	0.42/-2.45	-3.410/-3.9	-0.71/-1.54	-2.44/-2.82	-1.99/-1.43
Theta(97.5°)	-5.18/-6.98	-6.72/-5.99	-9.62/-8.17	-8.65/-8.14	-7.58/-11.22	-8.68/-6.91	-7.74/-6.01	-1.91/-1.94	-3.68/-4.44	-4.85/-4.98	-4.44/-5.05	-4.21/-4.13	-4.43/-3.43	-2.75/-1.2	-0.03/-1.54	-3.54/-0.82	1.41/-1.75	0.42/-2.65	-2.06/-1.71	2.23/-2.68	-2.97/-3.1	-1.8/-2.32	-5.77/-6.42	-4.12/-3.84
Theta(105°)	-7.77/-9.29	-6.67/-6.91	-8.44/-9.99	-9.09/-7.65	-7.59/-7	-8.11/-6.97	-7.47/-6.86	-3.95/-3.71	-4.34/-4.04	-4.51/-2.93	-3.35/-2.63	-4.54/-3.77	-3.4/-3.27	-2.48/-2.02	0.42/-1.44	-4.23/-1.12	1.210/-77	0.95/-1.16	1.26/-297	1.79/-2.61	-0.04/-2.83	-2.22/-4.01	-0.79/-9.77	-8.87/-6.96
Theta(112.5°)	-7.24/-8.57	-9.43/-10.88	-10.72/-8.17	-6.12/-6.89	-5.65/-5.29	-6.39/-7.41	-7.67/-5.58	-8/-7.08	-6.17/-4	-4.52/-4.29	-4.23/-3.5	-4.37/-2.54	-3.61/-2.26	-2.31/-0.39	0.6/-2.03	-4.76/-1.81	-0.050/-42	-0.670/-37	1.37/3.24	0.43/-6.24	-2.04/-1.87	-0.86/-3.77	-8.77/-10.8	-7.85/-8.9
Theta(120°)	-6.77/-10.38	-9.83/-9.91	-7.38/-6.46	-5.68/-6.65	-6.01/-7.36	-8.52/-8.63	-6.06/-8.01	-9.52/-7.92	-4.98/-4.67	-4.72/-4.22	-4.39/-3.87	-3.02/-1.65	-2.44/-1.72	-2.28/-2.04	-2.34/-6.79	-5.97/-2.72	0.17/-1.25	-2.17/-1.41	0.2/63	-0.75/-8.34	-4.75/-1.97	-4.65/-6.64	-10.37/-11.47	-10.6/-7.38
Theta(127.5°)	-8.28/-10.51	-10.4/-8.97	-8.05/-7.12	-7.57/-6.12	-7.02/-7.71	-8.01/-6.63	-6.94/-6.1	-7.47/-7.95	-6.44/-6.14	-4.51/-2.93	-4.25/-4.22	-4.11/-5.26	-5.69/-4.49	-5.89/-3.83	-4.63/-5.18	-2.6/-0.93	0.1/-0.15	-1.31/-2.89	-1.940/-71	-0.82/-7.35	-4.39/-2.96	-7.93/-8.94	-8.31/-11.42	-10.22/-7.21
Theta(135°)	-8.89/-9.16	-9.5/-8.82	-6.36/-6.61	-7.94/-10.84	-9.63/-7.39	-6.99/-8.31	-8.04/-8.44	-7.88/-6.75	-6.71/-6.9	-6.71/-6.01	-6.93/-6.45	-4.99/-5.81	-6.69/-6.52	-4.06/-1.29	-0.94/-1.14	-0.32/-0.02	0.08/-0.57	-1.96/-5.06	-2.8/-1.9	-1.02/-4.76	-6.59/-4.53	-4.78/-5.82	-5.06/-8	-10.52/-10.62
Theta(142.5°)	-7.94/-9.6	-10.29/-8.46	-7.12/-7	-6.48/-6.07	-5.06/-3.41	-3.21/-4.89	-6.88/-6.3	-4.87/-4.75	-5.83/-6.82	-6.36/-5.85	-5.34/-4.96	-5.86/-6.38	-6.14/-6.3	-4.39/-2.37	-1.75/-1.11	-0.710/-04	-1.3/-0.74	-1.88/-2.61	-2.54/-3.1	-0.99/-0.92	-4.01/-4.9	-4.76/-4.3	-3.53/-4.45	-7.8/-28
Theta(150°)	-7.21/-7.09	-7.13/-6.66	-6.01/-6.67	-9.04/-9.83	-5.59/-3.84	-3.67/-5.31	-8.7/-77	-6.7/-5	-4.11/-4.1	-4.67/-5.58	-5.57/-5.7	-5.53/-5.82	-5.83/-5	-3.83/-2.98	-1.83/-1.23	-1.09/-1.99	-3.49/-4.45	-5.84/-44	-1.91/-1.23	-1.410/-11	-0.49/-1.97	-3.98/-5.47	-6.81/-7.97	-8.26/-8.2
Theta(157.5°)	-8.57/-8.69	-9.94/-10.47	-12.23/-10.32	-6.49/-4.13	-3.4/-3.92	-5.24/-7.34	-9.71/-10.3	-9.69/-6.01	-3.55/-2.65	-2.82/-2.82	-2.85/-2.85	-3.15/-3.61	-4.3/-4.76	-4.54/-3.79	-2.86/-2.27	-1.54/-1.48	-2.5/-3.46	-2.09/-0.18	0.870/-21	-1.38/-2.19	-2.06/-1.92	-2.39/-3.44	-5.27/-7.29	-7.57/-8.12
Theta(165°)	-9.87/-9.5	-8.32/-7.33	-6.29/-8.52	-5.46/-6.01	-6.32/-6.25	-6.21/-6.24	-6.53/-7.47	-8.09/-6.68	-9.37/-10.21	-10.14/-8.95	-8.54/-7.91	-7.35/-7.38	-7.1/-6.62	-5.78/-5.41	-5.42/-5.08	-4.57/-4.61	-5.09/-4.97	-3.49/-1.87	-1.34/-2.09	-3.3/-4.99	-7.18/-8.72	-9.47/-10.77	-11.98/-12.68	-12.11/-11.48
Theta(172.5°)	-7.68/-8.24	-8.92/-8.85	-8.97/-8.82	-7.38/-6.89	-6.16/-6.54	-6.81/-7.98	-8.85/-9.88	-10.61/-10.76	-11.07/-10.73	-10.46/-10.07	-8.96/-8.36	-8.32/-8.31	-8.03/-3.27	-6.48/-5.92	-5.36/-5.14	-5.33/-5.69	-5.65/-4.94	-4.02/-3.48	-1.03/-2.7	-2.88/-4.01	-5.63/-7.7	-9.23/-10.63	-1.04/-9.51	-7.81/-7.97
Theta(180°)	-11.3/-11.09	-10.41/-10.46	-9.22/-8.88	-8.22/-8.16	-8.2/-8.22	-7.56/-7.34	-6.98/-6.81	-7.33/-7.91	-7.58/-7.35	-7.37/-7.45	-7.12/-7.15	-7.3/-7.65	-8.33/-8.55	-8.86/-9.06	-8.94/-8.81	-7.45/-6.49	-5.77/-5.39	-4.96/-4.82	-4.71/-5.11	-5.59/-6.74	-7.93/-9.64	-10.27/-11.19	-10.86/-10.42	-10.12/-11.04
Freq(Hz)	6.175GPol.	ThetaL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DG(dB)	Phi(°)Psi(7.5°)	Phi(15°)Psi(22.5°)	Phi(30°)Psi(37.5°)	Phi(45°)Psi(52.5°)	Phi(60°)Psi(67.5°)	Phi(75°)Psi(82.5°)	Phi(90°)Psi(97.5°)	Phi(105°)Psi(112.5°)	Phi(120°)Psi(127.5°)	Phi(135°)Psi(142.5°)	Phi(150°)Psi(157.5°)	Phi(165°)Psi(172.5°)	Phi(180°)Psi(187.5°)	Phi(195°)Psi(202.5°)	Phi(210°)Psi(217.5°)	Phi(225°)Psi(232.5°)	Phi(240°)Psi(247.5°)	Phi(255°)Psi(262.5°)	Phi(270°)Psi(277.5°)	Phi(285°)Psi(292.5°)	Phi(300°)Psi(307.5°)	Phi(315°)Psi(322.5°)	Phi(330°)Psi(337.5°)	Phi(345°)Psi(352.5°)
Theta(°)	-4.54/-3.76	-2.99/-2.5	-1.96/-1.84	-1.97/-2.16	-2.15/-2.23	-2.25/-2.47	-2.73/-2.83	-3.33/-3.4	-3.52/-3.72	-3.73/-3.74	-3.79/-3.78	-3.89/-3.77	-3.65/-3.91	-3.77/-3.09	-2.82/-2.48	-2.43/-2.45	-2.66/-2.75	-2.97/-3.21	-3.33/-3.45	-3.39/-3.53	-3.41/-3.28	-3.22/-3.68	-3.94/-4.26	-4.5/-4.8
Theta(7.5°)	-4.39/-4.1	-4.09/-3.98	-4.29/-3.82	-3.81/-4.1	-3.99/-3.7	-3.41/-3.25	-2.88/-2.67	-2.51/-2.44	-2.52/-2.77	-2.98/-3.39	-3.94/-4.5	-4.95/-5.01	-4.88/-4.8	-4.33/-4.38	-2.78/-2.45	-2.47/-2.27	-2.57/-2.91	-3.03/-3.32	-3.65/-4.05	-4.19/-3.93	-3.45/-3.25	-3.04/-2.52	-2.32/-2.8	-3.83/-3.99
Theta(15°)	-4.64/-7.36	-1.99/-9.18	-8.82/-7.45	-6.98/-6.46	-6.73/-5.7	-5.01/-3.4	-3.83/-3.1	-2.83/-2.4	-2.16/-1.76	-1.66/-1.89	-2.31/-2.73	-3.28/-3.49	-3.44/-2.26	-4.04/-3.2	-3.01/-3.25	-2.82/-3.61	-3.84/-3.37	-3.45/-3.66	-3.53/-3.19	-2.69/-2.11	-1.47/-1.51	-1.98/-2.53	-2.86/-3.59	-4.99/-4.82
Theta(22.5°)	-6.06/-5.97	-6.93/-7.49	-7.7/-6.64	-6.03/-6.2	-5.27/-4.49	-3.76/-3.82	-4.04/-2.81	-1.55/-1.38	-1.43/-1.48	-1.45/-1.24	-1.38/-2.26	-3.46/-4.67	-5.07/-4.1	-3.38/-2.96	-2.42/-3.11	-3.45/-2.88	-2.39/-3.26	-4.27/-3.43	-2.93/-3.45	-3.83/-2.58	-1.71/-1.58	-1.27/-2.14	-3.98/-6.31	-6.61/-6.31
Theta(30°)	-6.15/-6.02	-6.05/-4.62	-3.31/-2.43	-2.57/-2.93	-3.55/-3.7	-4.31/-4.51	-4.09/-3.32	-1.68/-1.01	-1.66/-2.9	-3.42/-3.88	-3.37/-2.92	-3.36/-4.66	-5.73/-5.22	-4.26/-3.96	-4.54/-5.69	-5.52/-4.13	-4.14/-4.76	-3.55/-2.4	-2.93/-3.72	-3.24/-7.33	-2.81/-1.84	-1.98/-3.79	-5.31/-6.54	-7.61/-6.79
Theta(37.5°)	-5.08/-5.03	-5.74/-5.44	-3.44/-1.83	-1.9/-2.63	-3.36/-4.63	-5.04/-3.41	-3.51/-2.85	-1.82/-1.51	-1.91/-2.66	-2.22/-1.35	-1.26/-2.55	-3.24/-2.66	-3.32/-5.61	-6.43/-5.18	-4.75/-4.38	-5.56/-6.12	-5.7/-5.2	-2.71/-2.88	-3.44/-2.93	-5.53/-6.14	-2.71/-5.6	-1.023/-8.07	-6.56/-5.79	
Theta(45°)	-2.75/-3.44	-4.69/-4.64	-4.2/-3.73	-2.96/-3.55	-3.86/-3.64	-3.78/-3.4	-3.12/-1.65	-0.470/-24	-0.39/-1.46	-1.01/-0.69	-2.08/-2.2	-0.85/-1.15	-1.99/-1.29	-0.71										



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

Appendix B

Θ(75°)	-3.55/3.2	-3.12/2.94	-3.16/3.4	-3.46/3.55	-3.69/-3.99	-4.67/5.02	-5.61/6.33	-6.78/-6.87	-6.5/-6.08	-5.88/5.65	-5.22/4.84	-4.74/-3.88	-3.57/3.32	-3.43/-3.41	-3.04/2.84	-2.44/2.45	-2.76/3.03	-3.6/4.52	-5.55/6.64	-7.55/7.47	-6.61/6.01	-6.04/-5.82	-5.08/-4.68	-4.25/-3.92
Θ(15°)	-5.17/-5.06	-4.78/-4.5	-4.46/-4.31	-3.65/-3.95	-4.27/-4.54	-4.8/-5.07	-5.17/-4.98	-4.49/-3.83	-3.51/-3.29	-3.27/-3.46	-3.72/-4.03	-4.2/-4.19	-4.28/-4.51	-4.22/-3.47	-2.81/-2.15	-1.38/-1.21	-1.39/-1.73	-3.79/-4.65	-5.2/-5.19	-4.07/-3.58	-4.02/-4.17	-4.32/-5.69	-5.39/-5.43	
Θ(127.5°)	-4.79/-5.37	-4.67/-3.87	-3.64/-3.44	-3.07/-2.78	-3.49/-3.87	-3.86/-3.55	-2.81/-2.65	-2.78/-3.32	-4.08/-4.47	-4.36/-4.07	-3.44/-2.8	-2.17/-1.59	-1.23/-1.14	-1.47/-1.78	-1.21/-0.46	0.24/0.5	-0.01/-0.98	-1.33/-1.7	-4.93/-5.45	-5.3/-4.71	-4.47/-3.72	-3.01/-3.01	-2.76/-5.88	
Θ(30°)	-3.2/-4.12	-3.59/-4.01	-3.91/3.03	-3.2/3.73	-4.64/-4.21	-3.76/3.29	-2.42/-1.8	-1.57/-2.07	-3.36/-4.32	-4.49/3.92	-3.19/-2.89	-2.25/-1	-0.61/-0.63	-0.30/6.5	1.33/1.19	0.29/-0.75	-1.46/-2.01	-1.89/-2.27	-3.73/-5.44	-5.49/3.85	-2.88/-1.84	-1.33/-1.54	-1.4/-1.02	-1.13/-2.42
Θ(37.5°)	-2.29/-2.87	-3.89/-3.62	-3.08/-2.55	-3.73/-5.47	-5.61/-4.71	-4.14/-3.43	-2.53/-2.54	-2.86/-3.58	-4.38/-5.08	-5.11/-3.48	-2.54/-2.66	-2.01/-1.66	-2.15/-1.49	-0.7/-0.25	-0.24/-0.3	-1.35/-2.06	-1.66/-0.74	-0.46/-0.36	-0.23/-1.48	-2.98/-2.49	-1.36/-5.05	-0.85/-1.74	-2.24/-1.16	-0.47/-1.6
Θ(45°)	-2.31/-1.91	-2.56/-3.3	-3.18/-4.25	-3.96/-3.7	-3.31/-4.41	-4.65/-3.47	-2.28/-1.4	-1.92/-3	-4.3/-4.78	-5.26/-4.9	-4.05/-4.63	-3.04/-2.02	-2.44/-0.98	1.05/1.67	1.91/1.58	1.72/1.37	1.62/1.72	1.79/0.66	-0.99/-0.52	0.85/1.8	1.24/-0.42	-2.48/-3.04	-2.38/-0.94	-1.01/-2.11
Θ(52.5°)	-1.6/-0.89	-1.47/-1.1	-1.21/-2.3	-2.89/-2.91	-1.39/-2.34	-5.37/-5.47	-3.97/-3.65	-3.53/-2.22	-2.66/-6.18	-5.22/-4.66	-3.7/-3.78	-4.2/-3.6	-2.7/-1.78	0.09/1.35	1.21/0.4	1.18/2.36	3.29/2.95	3.35/2.72	2/1.18	1.84/1.31	0.31/-0.9	-1.61/-1.19	-2.9/-3.3	-2.02/-1.18
Θ(60°)	-2.48/-4.19	-3.97/-2.4	-0.78/-0.89	-1.44/-2.45	-3.17/-4.24	-3.43/-2.95	-1.55/-0.61	-1.38/-4.86	-7.51/-1.47	-4.14/-3.7	-2.85/-3.45	-3.08/-2.59	-2.73/-2.71	-0.15/-1.18	1.89/2.05	3.12/4.7	5.38/4.14	2.61/1	0.7/0.66	-0.72/-4.08	-2.9/-0.4	-0.56/-0.7	-2.63/-2.93	-3.1/-1.8
Θ(67.5°)	-3.03/-4.98	-5.79/-4.43	-4.17/-2.74	-3.75/-3.8	-4.62/-4.33	-2/-3.12	-4/-5.11	-2.09/-2.42	-4.73/-5.42	-2.15/-3.05	-2.63/-2.63	-3.29/-3.23	-1.84/-2.74	0.09/1.63	2.54/2.22	1.79/3.22	4.08/3.87	3.95/1.4	1.25/0.02	-1.7/-3.44	-1.72/-1.77	-1.11/-1.3	-2.91/-3.67	-2.98/-2.94
Θ(75°)	-2.53/-2.02	-4.28/4.35	-4.23/-3.37	-5.65/-5.21	-3.48/-4.41	-5.66/4.41	-3.78/-4.72	-4.2/3.24	-1.68/-4.74	-3.6/-3.52	-2.82/-2.33	-2.11/-2.55	-2.7/-2.97	-0.32/1.31	2.85/2.02	1.17/2.92	4.03/3.11	0.98/3.32	-0.15/0.63	-1.92/-4.66	-5.58/2.97	-2.94/-3.39	-4.02/-6.08	-4.25/-2.45
Θ(82.5°)	-4.26/-3.69	-4.82/-3.64	-3.32/-3.73	-5.29/-5.22	-3.65/-6.54	-8.94/-6.15	-5.13/-4.74	-4.71/-4.01	-1.77/-3.55	-3.28/-4.05	-4.65/-4.97	-5.88/-5.85	-5.45/-2.85	-0.87/1.8	3/1.43	3.41/1.98	2.67/3.18	2.05/-1.49	-1.95/-1.09	-1.31/-2.68	-2.56/-1.96	-3.62/-3.9	-5.34/-6.59	-4.19/-2.28
Θ(90°)	-6.39/-4.7	-6.77/-6.22	-7.65/-7.59	-6.05/-5.6	-5.23/-6.03	-8.72/-8.23	-5.27/-6.69	-7.86/-3.96	-1.97/-4.02	-2.28/-3.27	-3.35/-3.91	-4.54/-4.82	-5.42/-3.68	-0.30/-0.78	1.54/0.14	0.94/0.99	2.03/1.97	0.5/-4.45	-0.47/0.79	-3.02/-6.61	-4.14/-2.47	-5.53/-4.92	-4.01/-3	
Θ(97.5°)	-8.09/-8.19	-7.89/-11.23	-10.36/-8.22	-8.09/-7.92	-6.15/-5	-7.03/-7.42	-5.93/-6.41	-5.75/-6.65	-2.86/-5.28	-4.79/-5.61	-5/-5.85	-6.36/-7.98	-6.24/-3.64	-1.76/-0.47	0.74/-0.15	-0.54/1.95	1.96/1.26	0.88/4.51	-0.63/0.82	-0.29/-3.19	-0.35/-1.78	-1.71/-3.05	-9.68/-9.9	-5.3/-4.56
Θ(105°)	-8.63/-9.62	-8.88/-6.46	-3.52/-3.25	-4.02/-4.94	-5.15/-3.85	-6.76/-7.57	-5.94/-7.09	-7.83/-4.62	-5.6/-6.19	-4.32/-5.6	-4.54/-5.11	-4.14/-6.52	-5.01/-5.68	-2.31/-1.02	1.14/0.36	2.07/1.93	2.08/-2.35	-1.52/-4.29	2.1/-1.51	-1.31/-2.68	-2.56/-1.96	-3.62/-3.9	-10.72/-11.23	-6.39/-6.47
Θ(112.5°)	-8.27/-10.11	-6.47/-7.57	-7.21/-6.45	-3.99/-5.05	-6.43/-5.65	-4.66/-6.69	-5.33/-7.34	-4.36/-3.89	-6.03/-5.73	-3.21/-3.08	-1.48/-2.56	0.22/-1.39	-6.42/-1.89	0.42/1.67	-0.07/-3.55	1.18/3.51	1.09/0.59	-0.54/-6.84	-6.4/-5.09	-2.52/-4.61	-4.14/-2.47	-5.53/-4.92	-4.01/-3	
Θ(120°)	-9.58/-9.39	-9.22/-6.72	-5.13/-4.35	-5.15/-6.17	-6.89/-6.76	-4.66/-5.51	-6.69/-8.28	-4.73/-5.13	-5.85/-5.44	-8.38/-7.19	-5.63/-4.65	-4.85/-3.4	-3.06/-1.98	-1.44/-0.3	-0.94/-3.29	-5.14/-0.7	1.04/1.39	-1.2/-4.45	0.26/3.09	0.44/-2.72	-2.78/-7.15	-6.02/-7.51	-8.53/-8.94	-7.44/-7.19
Θ(127.5°)	-7.54/-6.92	-7.4/-7.43	-7.36/-6.29	-6.08/-5.59	-5.94/-6.46	-6.66/-7.42	-7.24/-8.76	-9.81/-7.06	-4.27/-5.67	-5.65/-5.78	-5.46/-5.08	-4.76/-5.1	-7.51/-5.58	-5.33/-2.24	-1.74/-1.3	-1.99/0.69	1.6/2.36	-1.66/-3.02	0.49/3.18	1.72/-5.65	-3.56/-2.07	-5.13/-6.99	-6.18/-7.87	-7.52/-6.66
Θ(135°)	-9.91/-9.04	-7.33/-8.29	-8.93/-10.6	-10.13/-7.04	-6.86/-5.93	-5.77/-6.7	-6.01/-5.66	-7.79/-8.51	-6.74/-6.9	-3.67/-4.26	-3.54/-4.25	-5.11/-6.71	-6.22/-6.12	-6/-1.36	-0.79/-1.98	-1.26/0.82	1.15/0.44	-1.94/-4.94	-1.98/1.48	0.52/-7.25	-7.56/-1.97	-9.82/-7.36	-6.45/-8.16	-8.58/-9.86
Θ(142.5°)	-10.27/-9.71	-9.16/-8.49	-8.19/-9.01	-8.1/-6.16	-4.18/-3.68	-5.08/-6.99	-6.45/-5.76	-7.7/-7.4	-5.42/-4.23	-4.52/-5.19	-6.05/-7.21	-7.32/-6.75	-6.15/-5.57	-1.72/-2.63	-2.9/-1.72	-0.63/-2.45	-3.03/-3.32	-2.36/-0.23	-0.71/-4.07	-6.56/-8.29	-5.51/-7.46	-5.03/-5.04	-7.04/-8.4	
Θ(150°)	-7.44/-7.85	-7.87/-8.55	-9.72/-11.07	-8.08/-4.85	-3.79/-4.05	-4.88/-5.76	-5.75/-5.95	-5.69/-5.36	-4.74/-5.24	-5.3/-4.94	-4.18/-4.97	-7.44/-7.08	-5.51/-5.28	-4.49/-2.32	-0.8/-0.28	-0.75/-1.28	-1.53/-2.2	-3.28/-2.46	0.07/1.38	1.06/-0.75	-2.78/-4.08	-4.45/-3.75	-4.99/-7.25	-6.94/-7.9
Θ(157.5°)	-8.97/-8.83	-7.61/-7.57	-7.41/-6.65	-6.81/-7.45	-7.94/-6.48	-5.25/-4.79	-4.86/-5.84	-7.34/-8.13	-7.43/-5.97	-4.07/-3.19	-3.48/-4.77	-6.09/-6.28	-5.24/-3.88	-2.94/-2.84	-2.76/-1.82	-2.19/-4.01	-4.09/-4.2	-3.86/-1.61	-0.10/0.7	-0.6/-2.15	-4.73/-6.51	-6.21/-6.59	-6.81/-8.58	-9.86/-9.66
Θ(165°)	-9.97/-9.95	-10.49/-10.9	-10.52/-10.35	-8.66/-6.96	-6.05/-5.45	-5.33/-6.25	-7.62/-9.31	-10.09/-10.02	-8.74/-8	-7.6/-7.17	-7.18/-6.27	-5.41/-4.88	-4.68/-4.37	-3.7/-3.36	-3.5/-3.71	-3.21/-2.63	-2.36/-2.67	-2.89/-2.38	-1.42/-1.13	-1.31/-2.33	-3.91/-5.8	-8.25/-9.98	-11.11/-11.42	-11.21/-9.97
Θ(172.5°)	-8.66/-8.68	-8.72/-7.89	-7.5/-6.9	-6.89/-7.21	-7.34/-7.6	-7.63/-6.47	-7.77/-7.12	-6.95/-6.66	-6.14/-5.96	-5.99/-6.21	-6.81/-6.19	-9.14/-9.96	-9.71/-8.36	-6.4/-5.48	-5.45/-5.37	-5.7/-5.49	-5.12/-4.84	-4.8/-4.81	-4.76/-5.27	-6.14/-6.89	-8.32/-9.73	-12.24/-12.28	-12.76/-11.95	-11.55/-9.85
Θ(180°)	-7.74/-7.38	-5.77/-4.82	-4.66/-4.19	-4.03/-4.11	-4.31/-4.47	-4.75/-5.12	-5.52/-6.03	-6.45/-6.37	-6.36/-6.3	-6.42/-6.2	-6.31/-6.12	-6.23/-5.87	-5.76/-5.7	-5.92/-5.64	-4.93/-4.07	-3.88/-3.81	-4.07/-4.57	-4.93/-5.21	-5.35/-6.13	-6.92/-7.89	-9.44/-10.15	-10.76/-11.9	-10.05/-8.52	-8.44/-8.23
Freq(Hz)	6.995GPol.	ThetaL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DG(dB)	Φ(0°)Φ(7.5°)	Φ(15°)Φ(22.5°)	Φ(30°)Φ(37.5°)	Φ(45°)Φ(52.5°)	Φ(60°)Φ(67.5°)	Φ(75°)Φ(82.5°)	Φ(90°)Φ(97.5°)	Φ(105°)Φ(112.5°)	Φ(120°)Φ(127.5°)	Φ(135°)Φ(142.5°)	Φ(150°)Φ(157.5°)	Φ(165°)Φ(172.5°)	Φ(180°)Φ(187.5°)	Φ(195°)Φ(202.5°)	Φ(210°)Φ(217.5°)	Φ(225°)Φ(232.5°)	Φ(240°)Φ(247.5°)	Φ(255°)Φ(262.5°)	Φ(270°)Φ(277.5°)	Φ(285°)Φ(292.5°)	Φ(300°)Φ(307.5°)	Φ(315°)Φ(322.5°)	Φ(330°)Φ(337.5°)	Φ(345°)Φ(352.5°)
Θ(0°)	-9.37/-10.46	-8.97/-9.34	-8.2/-7.4	-7.2/-6.39	-5.83/-5.29	-4.78/-4.12	-3.64/-3.22	-3.07/-1.38	-3.07/-3.17	-3.65/-4.34	-5.33/-6.07	-6.95/-7.86	-8.86/-9.5	-10.26/-9.98	-9.34/-8.55	-7.61/-6.37	-5.22/-4.58	-4.21/-3.56	-3.51/-3.01	-2.8/-2.5	-2.45/-2.74	-3.3/-3.4	-4.07/-6.05	-6.92/-7.47
Θ(7.5°)	-8.22/-8.8	-8.88/-8.54	-5.84/-5.55	-5.38/-5.07	-4.81/-4.56	-4.08/-3.91	-3.12/-2.25	-2.19/-2.12	-2.04/-2.1	-2.34/-2.19	-3.03/-3.75	-4.58/-4.91	-6.64/-6.45	-7.43/-7.19	-8.43/-7.14	-6.02/-4.97	-4.45/-4.33	-4.01/-3.53	-3.23/-2.95	-2.47/-2.77	-4.13/-3.54	-3.8/-5.1	-3.81/-5.1	
Θ(15°)	-3.2/-3.13	-3.63/-4.25	-4.84/-5.48	-5.05/-4.99	-5.03/-4.92	-4.62/-4.29	-4.21/-3.86	-3.64/-2.98	-2.26/-1.72	-1.67/-2.11	-2.88/-3.72	-4.13/-4.9	-5.41/-5.83	-5.83/-6.01	-6.38/-5.29	-4.21/-3.32	-3.12/-3.13	-3.34/-3.44	-3.37/-3.24	-3.37/-3.51	-3.72/-4.08	-3.23/-2.47	-2.14/-2.06	-2.94/-3.76
Θ(22.5°)	-2.29/-2.28	-2.52/-2.94	-3.75/-4.3	-5.25/-5.55	-5.52/-4.9	-5.02/-4.85	-3.87/-2.57	-2.31/-2.71	-3.49/-3.53	-3.87/-4.6	-4.26/-4.15	-4.76/-5.58	-7.07/-7.8	-6.03/-4.65	-4.8/-6.68	-5.67/-5.56	-5.96/-4.65	-3.33/-3.52	-3.87/-4.47	-5.02/-4.88	-4.75/-4.24	-3.1/-3.1	-3.23/-2.92	-3.22/-2.36
Θ(30°)	-4.69/-5.08	-5.4/-5.36	-4.2/-3.69	-4.6/-5	-4.78/-5.02	-5.67/-5.41	-5.09/-4.14	-2.79/-1.73	-1.41/-1.41	-1.62/-1.92	-2.14/-3.05	-4.12/-5.28	-6.72/-7.95	-9.1/-8.68	-6.56/-7.19	-6.26/-5.45	-5.04/-4.02	-4.19/-4.87	-5.09/-4.95	-4.52/-4.36	-4.31/-3.96	-3.34/-3.87	-4.03/-6.06	-6.2/-4.7
Θ(37.5°)	-6.68/-4.68	-3.63/-4.33	-3.04/-3.33	-4.46/-5.28	-4.75/-5.13	-5.2/-5.56	-4.6/-3.34	-2.68/-1.38	-0.73/-1.03	-1.2/-1.49	-2.27/-3.07	-3.71/-4.42	-6.28/-8.27	-7.18/-5.43	-4.87/-4.88	-5.66/-5.73	-4.99/-5.51	-6.28/-4.96	-3.6/-3.75	-5.32/-4.64	-3.69/-4.77	-9.12/-8.23	-7.26/-7.63	-6.97/-7.85
Θ(45°)	-7.6/-5.91	-3.95/-4.14	-3.79/-4.1	-3.94/-3.39	-3.81/-4.67	-4.17/-3.69	-3.29/-1.73	-0.41/-4.05	-0.15/0.02	-0.91/-1.12	-1.33/-2.26	-1.98/-2.01	-3.84/-4.66	-3.29/-2.9	-3.58/-4.29	-5.04/-5.69	-4.89/-4.72	-4.82/-5.49	-6.01/-3.64	-3.16/-5.93	-9/-7.61	-10.77/-11.02	-8.05/-6.91	-6.94/-6.2
Θ(52.5°)	-2.23/-4.77	-4.77/-4.69	-4.27/-4.09	-4.63/-3.82	-3.19/-2.59	-2.58/-3.01	-1.67/-1.23	-1.13/-0.7	-0.10/4.1	0.5/0.18	0.35/-0.71	-2.02/-1.12	-2.73/-3.73	-1.53/-1.55	-4.93/-5.08	-6.37/-2.47	-4.20/-2.28	-4.62/-6.01	-4.85/-6.32	-6.41/-4.56	-7.76/-11.89	-7.74/-4.64	-4.04/-1.95	
Θ(60°)	-3.6/-5.06	-4.39/-3.29	-3.85/-3.94	-3.14/-3.24	-2.63/-0.52	-1.08/-2.49	-1.19/0.28	-0.21/0.63	-1.03/-0.57	-0.36/0.44	0.49/1.47	0/1.45	0.61/-0.87	0.75/0.3	-1.09/-3.21	-3.87/-2.72	-2.08/-1.92	-2.06/-1.57	-5.46/-3.38	-5.58/-5.5	-5.12/-6.43	-3.96/-5.04	-6.45/-6.27	-6.55/-3.93
Θ(67.5°)	-3.26/-3.49	-1.66/-1.46	-2.48/-3.18	-4.51/-3.62	-1.88/-1.56	-1.36/-1.56	-1.74/-1.24	-0.58/-0.06	-0.29/-0.85	0.37/0.18	-0.98/-0.67	-1.42/-1.51	-1.24/-2.42	-0.61/0.04	-0.75/-3.2	-7.73/-6.72	-5.28/-4.59	-4.84/-9.58	-7.24/-7.75	-7.4				



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

Appendix B

Θ(30°)	-3.34/-2.36	-0.93/0.29	0.81/0.9	0.58/0.13	-0.73/-0.83	-0.38/-0.51	-0.77/-1.24	-1.31/-1.38	-1.79/-1.99	-2.18/-2.77	-3.35/-4.14	-4.93/-5.89	-5.76/-3.98	-2.78/-2.15	-2.06/-2.23	-2.43/-2.76	-3.31/-3.88	-4.74/-5.6	-6.62/-7.44	-8.48/-8.35	-7.98/-7.2	-6.5/-5.69	-5.19/-4.69	-4.24/-3.53
Θ(37.5°)	-2.1/-1.54	-0.75/0.4	0.52/0.5	0.20/0.6	0.25/0.05	-0.17/-0.46	-0.78/-1.24	-1.27/-1.32	-1.55/-1.53	-1.46/-2.25	-3.32/-3.02	-2.76/-2.93	-2.35/-1.58	-0.89/-0.77	-1.25/-1.48	-1.53/-1.35	-0.98/-1.22	-2.69/-4.78	-5.53/-5.16	-3.29/-3.12	-4.19/-5.2	-5.49/-4.11	-2.57/-1.28	-2.36/-2.02
Θ(45°)	-2.34/-1.78	-0.80/-16	1.58/1.77	1.69/0.98	0.60/21	-0.03/-0.11	-0.14/-0.27	-0.92/-1.61	-1.64/-1.71	-1.57/-2.16	-3.26/-3.89	-4.14/-4.19	-3.09/-2.13	-1.36/-0.53	-0.43/-0.73	-1.11/-1.04	-0.82/-0.51	-1.01/-1.88	-2.25/-2.17	-1.83/-2.92	-5.54/-4.94	-4.76/-4.69	-4.06/-4.21	-2.82/-2.89
Θ(52.5°)	-1.09/-1.21	-0.61/0.37	2.25/3.1	3.18/2.25	0.61/0.47	-1.1/-1.43	-0.28/0.04	-0.62/-1.72	-2.24/-2.16	-2.4/-3.12	-3.95/-4.39	-4.52/-4.77	-4.8/-3.63	-2.87/-2.15	-1.37/-1.41	-2.12/-2.99	-2.21/-1.17	-0.86/-0.86	-1.63/-2.83	-2.91/3.37	-3.28/-2.12	-1.99/-2.64	-3.51/-3.09	-3.29/-1.98
Θ(60°)	-0.08/-1.37	-0.78/0.36	1.82/59	2.42/1.43	0.77/-0.61	-1.74/-2.25	-2.08/-2.18	-2.97/-2.63	-3.24/-4.2	-3.87/-3.72	-4.9/-5.93	-5.8/-4.06	-3.46/-2.92	-2.58/-2.88	-2.73/-2.38	-2.14/-1.87	-2.91/-0.43	-4.35/-4.24	-3.31/-2.12	-2.16/-4.67	-4.01/-1.64	-0.85/-2.08	-2.26/-1.58	-1.13/-0.33
Θ(67.5°)	-0.54/-0.4	-0.54/-0.17	1.04/0.74	0.48/0.94	1.02/-0.52	-2.22/-2.28	-2.41/-2.21	-1.03/-2.68	-2.66/-1.79	-1.36/-2.28	-4.4/-7.15	-8.69/-7.93	-6.1/-5.22	-4.16/-2.25	-1.93/-1.33	-0.87/-1.57	-3.19/-5.17	-4.66/-4.42	-5.7/-4.54	-6.04/-6.6	-4.81/-1.3	-4.08/-3.15	-3.14/-2.65	-2.39/-1.59
Θ(75°)	-0.46/-0.65	-0.9/-0.02	0.22/0.42	0.16/0.72	0.95/-1.05	-1.38/-0.2	0.81/0.2	0.21/-1.54	-1.62/-0.53	-1.69/-3.53	-5.83/-7.12	-7.35/-5.81	-5.09/-5.07	-3.85/-2.57	-1.97/-2.21	-3.38/-2.56	-3.07/-3.55	-5.42/-5.33	-6.82/-5.28	-5.77/-4.92	-3.9/-3.01	-4.92/-4.98	-4.56/-3.94	-2.81/-0.32
Θ(82.5°)	-1.2/-1.35	-1.42/-2.23	-2.14/-1.96	-0.94/-1.21	-1.45/-1.58	-0.61/0.1	0.83/0.1	0.96/0.83	0.38/-0.16	-0.83/-1.85	-2.91/-3.96	-4.11/-3.85	-4.51/-4.56	-4.45/-3.01	-1.95/-3.2	-4.52/-3.32	-3.7/-3.02	-4.05/-5	-4.08/-3.08	-2.96/-5.63	-5.46/-4.75	-4.82/-5.52	-4.94/-2.39	-1.58/-0.6
Θ(90°)	-4.04/-4.28	-3.73/-3.72	-4.18/-3.4	-2.24/-2.25	-2.83/-1.97	-1.18/-0.95	-0.52/0.49	1.75/-1.72	0.66/-0.08	0.53/0.26	-0.97/-2.98	-4.64/-4.69	-4.63/-3.67	-3.47/-3.16	-2.91/-4.62	-4.5/-3.66	-2.96/-3.01	-3.8/-3.76	-3.62/-3.74	-4.54/-7.38	-6.08/-2.67	-3.44/-3.11	-4.6/-4.83	-3.68/-3.2
Θ(97.5°)	-6.64/-6.38	-5.42/-5.41	-4.84/-3.5	-3.43/-3.39	-4.33/-4.94	-3.01/-1.39	-0.66/0.66	2.24/2.41	1.37/0.87	-0.54/-1.53	-2.58/-4.42	-5.66/-6.27	-6.03/-5.77	-5.21/-4.22	-4.4/-5.4	-4.85/-4.37	-3.28/-2.42	-2.72/-4.78	-2.08/-2.87	-2.78/-4.65	-5.63/-4.82	-3.8/-3.44	-5/-6.61	-6.06/-6.2
Θ(105°)	-6.03/-6.28	-4.32/-5.32	-5.47/-4.52	-3.91/-2.78	-2.28/-2.49	-2.53/-1.69	-0.63/-0.02	0.78/0.17	-0.49/-1.31	-2.27/-2.06	-3/-3.15	-3.52/-4.7	-5.26/-6.32	-4.62/-6.04	-4.89/-6.06	-6.29/-6.21	-4.73/-3.22	-3.3/-3.54	-2.96/-2.65	-3.82/-6.66	-5.25/-5.58	-3.3/-6.11	-9.93/-9.08	-9.71/-7.55
Θ(112.5°)	-5.16/-5.31	-5.1/-5.04	-5.28/-4.17	-3.12/-2.39	-1.55/-0.98	-1.09/-0.95	-1.18/-0.54	-2.07/-0.83	-1.22/-1.28	-1.65/-2.06	-2.28/-2.26	-2.89/-2.78	-3.86/-5.04	-4.71/-5.41	-5.84/-6.62	-6.15/-6.52	-5.64/-3.74	-5.19/-2.94	-3.37/-2.37	-5.89/-9.03	-3.17/-6.24	-2.68/-4.51	-6.41/-7.68	-6.04/-5.84
Θ(120°)	-6.39/-6.98	-6.08/-4.78	-2.8/-1.51	-0.31/0.02	0.07/-1.05	-1.74/-2	-0.97/-1.5	-2.33/-1.46	-0.54/-0.23	-0.55/-1.48	-2.95/-3.51	-3.77/-3.5	-4.65/-4.87	-4.62/-4.78	-5.32/-6.49	-7.9/-4.68	-5.19/-2.35	-5.45/-5.77	-5.95/-2.08	-6/-7.93	-5.86/-4.24	-7.24/-8.43	-7.26/-7.2	-6.31/-6.53
Θ(127.5°)	-6.75/-6.56	-5.77/-3.83	-2.98/-2.24	-2.35/-1.83	-2.09/-1.84	-1.67/-1.21	-0.73/-0.94	-1.48/-2.02	-1.73/-1.3	-1.29/-2.46	-3.38/-4.43	-4.87/-5.88	-7.53/-7.72	-7.27/-5.29	-6.85/-6.76	-5.54/-3.6	-4.13/-6.5	-6.15/-1.76	-3.75/-9.79	-4.14/-3.78	-10.52/-10.29	-8.68/-10.11	-9.27/-6.67	-10.71/-7.55
Θ(135°)	-7.13/-6.2	-5.42/-4.87	-4.8/-5.14	-5.55/-6.08	-4.95/-3.55	-2.39/-1.83	-1.57/-2.02	-3.36/-4.13	-4.08/-4.49	-5.13/-5.39	-5.24/-4.73	-4.21/-4.47	-5.49/-5.22	-3.47/-3.61	-4.58/-7.05	-6.29/-4.55	-5.21/-8.2	-3.28/-7.82	-8.06/-6.21	-6.3/-7.23	-7.06/-9.77	-10.09/-9.9		
Θ(142.5°)	-5.89/-6.83	-7.34/-6.2	-4.72/-4.06	-3.87/-4.32	-4.7/-3.08	-1.82/-1.98	-2.51/-2.25	-2.54/-3.57	-5.14/-6.09	-6.31/-5.71	-4.85/-3.99	-4.36/-5.07	-5.24/-6.45	-6.53/-6.11	-6.6/-6.62	-4.92/-3.02	-4.06/-2.82	-3.09/-3.72	-4.25/-3.26	-1.55/-1.98	-5.74/-7.34	-7.62/-7.09	-7.05/-6.97	-6.58/-6.4
Θ(150°)	-6.08/-6.34	-6.97/-6.99	-6.09/-5.95	-6.72/-5.74	-5.34/-3.91	-3.3/-4.15	-5.3/-4.7	-4.07/-3.66	-3.93/-4.78	-6.01/-6.6	-6.73/-6.59	-6.42/-7.21	-7.9/-7.81	-6.76/-6.22	-5.24/-5.5	-6.03/-6.88	-7.25/-6.14	-6.64/-6.29	-4.24/-2.21	-1.5/-2.09	-4.27/-5.71	-6.27/-6.68	-6.89/-8.11	
Θ(157.5°)	-5.65/-5.95	-6.52/-6.96	-8.29/-7.41	-5.54/-3.8	-3.32/-3.54	-4.27/-5.32	-5.74/-5.5	-5.15/-3.64	-2.38/-1.89	-1.86/-2.19	-2.77/-2.05	-6.01/-6.63	-7.27/-7.05	-6.65/-5.84	-4.9/-4.6	-5.39/-6.56	-6.19/-4.84	-3.69/-4.07	-4.5/-2.28	-4.23/-4.19	-4/-5.12	-5.85/-6.15	-5.61/-5.57	
Θ(165°)	-9.31/-9.23	-9.17/-9.25	-8.4/-7.3	-6.04/-5.8	-5.37/-4.53	-4.32/-4.44	-4.89/-5.9	-6.92/-7.8	-8.75/-9.77	-10.07/-9.2	-8.39/-7.91	-7.61/-7.62	-7.41/-7	-6.16/-5.82	-5.34/-4.65	-4.34/-4.99	-6.26/-7.03	-6.3/-5.07	-5.03/-5.98	-6.87/-7.84	-8.68/-6.97	-9.75/-10.59	-11.91/-11.81	-11.02/-10.62
Θ(172.5°)	-7.41/-9.71	-7.98/-7.86	-7.3/-6.82	-6.35/-7.7	-5.43/-5.32	-5.34/-6.2	-7.08/-8.34	-9.65/-10.76	-11.73/-10.98	-10.89/-9.32	-7.88/-7.03	-6.78/-6.73	-6.68/-6.4	-5.99/-6.59	-5.57/-5.68	-6.25/-7	-7.31/-7.05	-6.35/-6.82	-5.5/-5.14	-5.19/-6	-6.98/-6.02	-8.28/-8.64	-9.6/-8.5	-7.29/-7.57
Θ(180°)	-9.32/-9.1	-8.65/-9.17	-8.65/-8.57	-8.34/-8.07	-7.92/-8.19	-7.72/-7.77	-7.82/-7.75	-8.34/-8.96	-8.55/-8.1	-8.04/-8.01	-7.86/-7.85	-8.04/-8.51	-9/-9.42	-10.22/-11.11	-11.61/-11.89	-10.53/-9.62	-8.93/-8.68	-8.3/-8.1	-7.68/-7.8	-7.76/-8.33	-8.94/-10.09	-10.09/-10.01	-9.48/-9.01	-8.48/-8.89
Freq(Hz)	6.175GPol.	ThetaL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DG(dB)	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	-2.86/-2.68	2.31/-2.13	-1.76/-1.98	-2.18/-2.39	-2.55/-2.96	-3.24/-3.26	-3.39/-3.34	-3.33/-3.01	-2.85/-2.76	-2.59/-2.39	-2.29/-2.27	-2.4/-2.51	-2.68/-3.17	-3.29/-2.91	-2.95/-2.88	-3.11/-3.1	-3.6/-3.72	-3.84/-4.05	-4.12/-3.96	-3.53/-3.56	-3.3/-2.81	-2.26/-2.41	-2.17/-2.2	-2.73/-2.98
Θ(7.5°)	-3.51/-4.04	-2.49/-4.55	-5.07/-5.02	-4.93/-5.21	-4.9/-4.55	-4.14/-3.8	-4.26/-3.32	-3.21/-3.03	-2.95/-3.03	-2.59/-3.06	-3.1/-3.11	-3.19/-3.35	-3.21/-2.89	-2.51/-2.58	-3.01/-3.15	-3.59/-4.01	-3.95/-3.9	-3.81/-3.36	-3.16/-2.93	-2.64/-2.41	-2.2/-2.21	-1.97/-2.18	-2.73/-3.09	
Θ(15°)	-5.15/-5.48	-6.01/-6.93	-7.21/-6.54	-6.34/-6.14	-6.61/-5.79	-4.71/-3.99	-3.49/-3.03	-2.66/-2.44	-2.54/-2.55	-2.69/-2.58	-2.59/-2.49	-2.74/-3.07	-3.63/-4.31	-4.31/-3.67	-3.42/-3.32	-3.81/-4.16	-4.38/-2.49	-4.4/-1.8	-3.81/-3.05	-2.31/-1.83	-1.5/-1.71	-2.5/-3.6	-4.36/-5.03	-5.09/-4.7
Θ(22.5°)	-4.98/-4.43	-4.49/-4.89	-5.31/-4.83	-5.08/-5.76	-5.67/-5.01	-4.21/-3.59	-3.06/-2.34	-1.68/-1.63	-1.91/-2.44	-2.63/-2.32	-1.99/-2.15	-2.94/-4.22	-5.32/-5.31	-5.28/-4.83	-4.81/-5.04	-5.05/-4.28	-3.81/-4.15	-4.4/-3.8	-3.15/-2.87	-2.88/-1.9	-1.83/-2.5	-3.06/-3.87	-5.21/-6.1	-5.45/-5.09
Θ(30°)	-4.84/-4.99	-4.98/-4.2	-3.63/-3.25	-3.29/-3.44	-3.72/-3.85	-3.65/-2.78	-2.18/-2.15	-1.59/-1.47	-1.97/-2.35	-2.44/-2.91	-3.06/-2.76	-3.11/-4.04	-4.62/-4.58	-5.05/-6.02	-7.47/-8.2	-7.7/-6.61	-6.66/-6.36	-4.53/-3.35	-3.33/-3.8	-3.21/-2.99	-3.64/-4.81	-5.25/-4.97	-5.37/-4.86	
Θ(37.5°)	-5.85/-5.6	-5.54/-5.05	-3.98/-2.69	-2.52/-2.86	-3.39/-3.99	-3.55/-2.5	-1.66/-1.21	-0.95/-1.36	-1.86/-2.23	-2.17/-2.32	-2.83/-2.51	-2.35/-3.34	-4.38/-4.75	-5.39/-7.3	-7.95/-7.1	-6.34/-6.49	-7.45/-7.08	-5.87/-4.8	-3.74/-3.91	-5.63/-5.6	-3.36/-2.97	-4.54/-6.62	-8.42/-6.79	-5.81/-5.87
Θ(45°)	-2.02/-2.54	-3.47/-4.04	-4.44/-4.69	-4.62/-4.27	-3.29/-2.56	-2.44/-2.56	-2.49/-1.39	-0.11/0.51	-0.16/-0.69	-0.68/-1.19	-2.73/-1.34	-2.48/-3.02	-3.86/-2.62	-2.27/-3.03	-4.29/-5.34	-5.43/-5.05	-5.67/-7.63	-6.22/-4.45	-6.25/-9.73	-8.91/-5.13	-4.72/-5.05	-6.4/-5.96	-7.26/-6.49	-4.79/-3.01
Θ(52.5°)	-3.91/-3.4	-2.79/-3.03	-3.35/-4.34	-3.86/-3.5	-2.41/-2.4	-0.35/-0.45	-0.86/-1.24	-1.28/-0.91	-0.78/-0.58	-0.75/-0.71	-0.92/-1.98	-1.7/-1.85	-3.24/-2.62	-2.45/-2.55	-3.14/-4.22	-4.51/-4.6	-4.54/-3.65	-4.57/-8.96	-1.11/-9.82	-6.66/-7.64	-6.21/-4.69	-5.71/-5.34	-5.83/-6.29	-5.25/-3.98
Θ(60°)	-2.34/-2.62	-2.38/-2.53	-2.83/-2.58	-2.81/-2.56	-1.67/-0.07	1.19/0.68	-0.9/-1.63	-2.1/-1.77	-1.0/-0.58	-0.53/-1.52	-0.79/0.13	-0.32/0.48	-1.03/-0.57	-0.75/-1.93	-3.26/-3.43	-4.49/-4.19	-4.51/-3.19	-3.56/-7.09	-7.66/-7.67	-8.85/-8.57	-7.8/-6.5	-5.79/-6.04	-6.03/-4.59	-3.64/-2.61
Θ(67.5°)	-4.65/-3	-2.93/-2.74	-2.62/-2.91	-3.9/-3.5	-1.85/-1.5	0.96/0.32	-1.25/-2.16	-1.19/-0.24	0.07/-0.05	0.46/0.3	0.32/0.84	0.2/0.19	-0.33/-0.77	-0.42/-0.47	-1.71/-3.37	-5.52/-5.21	-3.64/-2.79	-3.43/-4.61	-5.2/-6.24	-6.08/-8.51	-6.53/-3.53	-3.53/-5.54	-4.9/-4.4	-4.69/-4.01
Θ(75°)	-6.6/-4.6	-3.72/-2.98	-3.39/-3.58	-3.11/-2.15	-1.46/-0.41	-0.52/-0.46	-0.4/-0.51	-0.21/33	2.17/-1.78	1.26/0.16	1.81/92	1.13/0.51	0.22/-0.42	-0.65/0.04	-0.67/-2.67	-6.2/-6.21	-3.85/-3.12	-5.18/-6.7	-4.43/-4.76	-4.07/-6.01	-5.28/-5.55	-4.17/-4.28	-7.73/-5.59	-7.51/-7.75
Θ(82.5°)	-6.91/-6.26	-5.1/-3.36	-3.23/-3.48	-5.53/-5.8	-3.63/-0.98	-0.57/-0.43	0.25/-0.8	-1.79/-1	1.33/0.09	1.49/-1.77	0.83/-1.33	0.56/0.55	0.18/-0.12	0.36/-0.85	-0.79/-1.28	-5.58/-6.77	-2.91/-2.76	-3.54/-3.73	-3.8/-4.33	-1.68/-5.39	-2.99/-5.89	-5.96/-6.13	-9.7/-8.84	-7.88/-5.33
Θ(90°)	-7.17/-4.83	-2.98/-2.8	-3.16/-3.92	-4.07/-3.83	-2.5/-0.48	-0.31/-0.78	-0.48/-0.41	-0.92/0.66	-0.26/-1.42	0.31/-1.22	0.69/-1.22	0.93/-0.1	-0.77/-1.29	-0.61/-1.78	-0.37/-0.75	-5.06/-3.6	-1.71/-1.94	-2.24/-5.81						



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

Appendix B

Θ(82.5°)	-3.58/-2.81	-3.23/-0.88	0.72/0.93	0.86/0.46	0.78/-0.5	-1.49/-0.25	-0.4/-1.32	-2.01/-3.08	-1.29/-1.73	-1.63/-2.89	-3.48/-4.06	-5.79/-7.1	-6.97/-5.62	-2.67/-0.96	-0.34/-1.22	-1.07/-0.01	-0.75/0.65	0.76/-3.32	-3.21/-4.08	-3.29/-3.75	-3.87/-3.95	-3.8/-4.9	-5.46/-5.91	-3.52/-1.89
Θ(90°)	-4.23/-1.81	-2/-1.1	-1.15/-1.02	0.41/0.4	-0.22/-1.2	-2.46/-2.14	-1.62/-1.66	-3.51/-2.65	-0.68/-1.51	-1.67/-2.39	-3.31/-4.11	-5.55/-7.92	-7.95/-6.81	-5.32/-3.92	-2.62/-3	-3.93/-1.23	-1.11/-1.57	-2.02/-6.49	-3.46/-2.08	-3.02/-5.8	-5.3/-7.54	-5.59/-4.65	-7.02/-4.86	-4.38/-2.41
Θ(97.5°)	-5.5/-4.8	-4.51/-5	-4.17/-3.43	-2.15/-2.16	-1.26/-0.63	-1.45/-2.26	-2.31/-3.1	-0.92/-1.33	-1.12/-2.4	-3.54/-5.79	-2.64/-3.83	-6.42/-8.68	-7.19/-5.62	-4.69/-4.47	-3.32/-3.64	-2.61/-2.08	-2.74/-5.61	-3.73/-2.85	-4.05/-4.2	-2.03/-4.78	-5.3/-3.92	-8.11/-8.73	-4.94/-6.34	
Θ(105°)	-5.81/-6.3	-4.89/-4.23	-2.3/-2.26	-2.55/-3.56	-3.13/-2.27	-2.87/-1.68	-0.11/-1.01	-1.41/-0.35	-1.04/-2.41	-1.31/-1.72	-1.49/-2.69	-4.07/-6.1	-7.2/-7.57	-5.74/-5.85	-4.87/-5.7	-4.9/-3.04	-3.21/-3.48	-4.24/-8.16	-5.24/-2.21	-2.71/-4.89	-6.06/-2.77	-5.59/-9.57	-9.4/-9.08	-6.13/-5.32
Θ(112.5°)	-5.03/-6.5	-4.74/-5.18	-4.16/-3.92	-2.53/-2.06	-2.32/-1.25	-2.04/-2.11	-1.31/-1.02	-1.11/-0.59	-0.66/-0.88	-1.61/-1.82	-1.37/-2.66	-4.12/-5.82	-5.71/-6.88	-4.85/-6.32	-6.54/-6.32	-5.49/-4.84	-4.21/-2.73	-4.14/-3.73	-4.47/-1.8	-2.99/-2.52	-3.82/-9.65	-10.69/-9.93	-10.25/-8.9	-7.47/-5.51
Θ(120°)	-8.14/-7.62	-6.87/-4.35	-2.96/-2.48	-2.63/-1.57	-1.42/-0.53	0.25/-0.1	-2.11/-2.52	-1.14/-1.13	-2.02/-2.14	-4.49/-4.74	-4.28/-4	-4.17/-3.86	-4.93/-6.07	-3.33/-2.63	-5.46/-5.68	-5.56/-4.03	-2.68/-2.97	-4.83/-9.72	-5.13/-1.91	-3.84/-6.01	-8.95/-8.22	-8.16/-8.32	-9.58/-7.95	
Θ(127.5°)	-7.92/-4.74	-4.63/-3.97	-3.01/-2.09	-2.23/-2.54	-3.21/-3.75	-2.87/-1.95	-1.75/-2.94	-4.09/-2.74	-1.15/-2.51	-2.93/-3.67	-4.54/-4.43	-4.62/-4.47	-6.33/-7.91	-7.15/-4.85	-4.19/-6.09	-5.43/-2.69	-1.41/-1.28	-5.51/-7.06	-4.01/-2.25	-3.18/-9.29	-7.76/-5.19	-7.01/-9.49	-7.89/-9.01	-8.79/-7.96
Θ(135°)	-8.8/-7.3	-5.39/-6.12	-6.63/-7.56	-6.76/-4.05	-3.19/-2.33	-2.11/-3.24	-2.99/-2.85	-3.84/-4.34	-3.52/-1.99	-1.08/-1.85	-2.9/-4.74	-6.37/-6.46	-5.09/-5.45	-5.95/-2.82	-2.41/-4.48	-5.16/-3.04	-2.46/-1.5	-4.87/-8.75	-8.28/-3.4	-3.98/-9.14	-10.13/-5.94	-9.37/-9.41	-8.17/-8.87	-10.51/-10.67
Θ(142.5°)	-6.91/-5.97	-5.02/-4.46	-4.78/-6.01	-7.09/-6.43	-4.91/-4.16	-4.15/-4.42	-3.41/-2.96	-3.26/-3.33	-2.09/-1.59	-2.29/-3.36	-4.17/-5.17	-5.41/-4.32	-3.79/-4.5	-5.63/-4.75	-5.02/-7.68	-7.8/-6.07	-3.72/-4.26	-3.44/-3.63	-4.14/-2.53	-2.74/-5.85	-7.57/-8.11	-4.94/-7.76	-7.39/-7.22	-7.66/-7.14
Θ(150°)	-6.97/-8.17	-7.85/-7.29	-7.32/-7.34	-5.97/-4.62	-3.24/-2.5	-2.32/-2.54	-2.51/-2.9	-3.3/-3.43	-3.2/-4.06	-4.71/-5.15	-4.93/-5.56	-7.77/-8.14	-7.73/-7.15	-6.31/-4.87	-4.13/-4.57	-6.79/-7.26	-5.09/-4.32	-5.47/-5.31	-3.03/-1.56	-1.01/-2.53	-5.96/-8.44	-8.62/-7.69	-8.07/-7.73	-6.07/-5.81
Θ(157.5°)	-8.67/-8.54	-7.49/-7.43	-7.06/-3.67	-6.53/-6.41	-5.67/-4	-3.23/-3.19	-3.54/-4.26	-5.1/-4.92	-4.61/-3.89	-3.8/-4.82	-6.68/-8.47	-9.96/-10.63	-8.56/-5.38	-3.43/-3.03	-3.21/-3.3	-5.35/-9.46	-8.6/-7.61	-6.99/-4.75	-3.31/-2.96	-3.53/-5.47	-8.62/-10.03	-8.64/-8.57	-8.81/-9.63	-9.08/-8.84
Θ(165°)	-5.53/-6.73	-7.47/-7.79	-8.4/-9.27	-8.38/-6.78	-5.51/-4.65	-4.74/-5.68	-6.74/-7.52	-8.19/-8.52	-7.63/-7.13	-6.82/-6.62	-6.44/-5.36	-4.53/-4.2	-4.21/-4.5	-5.47/-6.64	-5.88/-5.92	-6.18/-5.9	-4.96/-4.95	-5.1/-5.9	-6.85/-7.31	-8.47/-8.81	-8.79/-8.26	-7.47/-6.84		
Θ(172.5°)	-11.59/-11.54	-11.89/-11.67	-11.94/-11.54	-10.9/-10.46	-9.9/-9.17	-8.79/-8.87	-8.89/-8.1	-7.8/-7.33	-6.88/-6.66	-6.83/-7.2	-7.6/-8.74	-9.58/-10.15	-10.09/-9.21	-7.59/-6.63	-6.33/-6.17	-6.15/-5.89	-5.36/-5	-4.99/-5.01	-5.2/-6.35	-7.65/-8.83	-9.95/-10.1	-11.04/-11.04	-11.77/-11.69	-12.33/-11.79
Θ(180°)	-11.34/-10.95	-8.65/-8.56	-8.21/-7.43	-6.88/-6.63	-6.38/-6.32	-6.21/-6.38	-6.79/-7.13	-7.32/-6.99	-6.75/-6.61	-6.89/-7.15	-7.68/-7.74	-7.65/-7.07	-6.81/-6.53	-6.72/-6.56	-5.96/-5.22	-4.9/-4.8	-5.04/-5.52	-5.75/-5.61	-5.74/-6.34	-7.28/-8.3	-9.8/-10.27	-10.85/-11.71	-11.15/-11.11	-11.71/-11.45
Freq(Hz)	6.995GPol.	ThetaL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DG(dB)	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	-6.58/-8.85	-9.56/-11.34	-9.4/-8.22	-7.09/-6.02	-4.87/-3.86	-3.08/-2.33	-1.91/-1.59	-1.42/-1.59	-1.67/-1.92	-2.25/-2.5	-3.13/-3.76	-4.77/-6.02	-7.47/-9.12	-10.56/-10.4	-9.46/-8.59	-7.23/-5.58	-4.24/-3.07	-2.4/-1.8	-1.53/-1	-0.88/-0.83	-1.02/-1.27	-1.69/-2.19	-2.79/-3.8	-4.94/-6.66
Θ(7.5°)	-2.53/-9.07	-9.13/-8.68	-7.36/-6.43	-5.4/-4.49	-3.61/-3	-2.36/-1.81	-1.33/-1.04	-0.98/-0.92	-0.99/-1.16	-1.36/-1.71	-1.95/-2.42	-2.96/-3.91	-4.93/-6.07	-7.15/-8.45	-8.25/-7.77	-5.56/-5.05	-4.11/-3.46	-3.2/-2.56	-2.17/-1.93	-1.94/-1.97	-2.09/-2.71	-3.22/-3.4	-3.87/-4.74	-5.91/-6.57
Θ(15°)	-5.86/-5.25	-5.42/-5.93	-5.53/-5.46	-4.96/-4.22	-3.72/-3.31	-2.8/-2.18	-1.83/-1.57	-1.43/-1.06	-0.72/-0.57	-0.74/-1.13	-1.69/-2.08	-2.48/-2.69	-3.1/-3.95	-4.98/-6.44	-7.34/-6.79	-5.64/-4.65	-3.8/-3.23	-3.14/-3.27	-3.36/-3.22	-2.92/-3.34	-4.41/-5.45	-5.87/-6.3	-6.51/-6.47	-6.59/-6.86
Θ(22.5°)	-4/-4.34	-5.07/-5.19	-5.41/-5.41	-5.32/-4.64	-3.77/-3.06	-2.99/-2.37	-2.07/-1.45	-1.37/-1.31	-1.32/-1.2	-1.47/-2.29	-3.01/-3.66	-4.57/-5.27	-6.17/-6.69	-5.71/-5.94	-5.21/-5.66	-5.92/-6.27	-6.48/-5.66	-4.44/-4.67	-4.74/-5.2	-5.71/-5.64	-5.36/-5.23	-6.16/-6.67	-7.61/-5.9	-5.11/-4.06
Θ(30°)	-8.16/-8.14	-5.81/-6.04	-5.27/-4.08	-3.93/-3.78	-3.51/-3.66	-4.09/-3.74	-3.63/-3.14	-1.74/-1.6	0.06/-0.1	-0.64/-1.41	-2.04/-2.66	-3.16/-4.12	-5.87/-6.76	-9.35/-9.74	-8.21/-7.98	-6.57/-6.46	-5.92/-6.61	-4.41/-5.03	-6.99/-7.94	-5.93/-5.26	-5.71/-4.67	-6.16/-6.65	-7.26/-8.5	-9.31/-5.67
Θ(37.5°)	-5.3/-4.23	-3.44/-3.29	-3.45/-4	-4.78/-5.41	-4.59/-4.26	-4.35/-4.85	-4.27/-2.61	-0.88/0.66	1.38/0.91	0.40/0.3	-0.79/-1.49	-1.86/-2.15	-3.55/-5.62	-6.17/-6.16	-5.21/-4.03	-4.36/-6.3	-6.19/-5.84	-5.81/-5.47	-5.67/-6.86	-7.98/-7.42	-6.73/-6.34	-8.4/-7.18	-7.97/-8.6	-7.48/-6.81
Θ(45°)	-6.87/-5.52	-4.24/-4.46	-3.82/-4.18	-4.27/-3.15	-2.73/-3.21	-3.37/-3.48	-3.15/-5.1	-0.46/0.1	0.78/0.72	-0.04/-0.19	-0.76/-1.31	-1.54/-1.67	-3.16/-4.68	-5.05/-6.48	-5.4/-7.3	-5.37/-5.67	-6.43/-5.66	-8.16/-5.33	-4.86/-7.15	-9.28/-9.23	-10.68/-10.98	-10.52/-6.73	-5.32/-5.34	
Θ(52.5°)	-2.89/-4.42	-4.64/-4.69	-4.37/-6.63	-3.34/-2.11	-1.11/-0.57	-0.78/-0.7	0.10/0.05	-0.12/-0.32	0.31/-0.13	-0.06/0.14	-0.37/-1.37	-2.73/-2.47	-3.55/-3.45	-2.82/-2.43	-5.15/-5.3	-3.53/-4.61	-3.87/-4.77	-6.19/-7.16	-5.34/-6.63	-9.09/-7.94	-6.99/-6.5	-8.67/-11.14	-5.66/-8.93	-3.74/-2.66
Θ(60°)	-5.23/-5.7	-5.74/-5.25	-5.02/-4.31	-2.46/-1.12	0.22/1.54	0.89/-0.53	0.02/0.38	-0.05/0.3	0.19/0.45	-0.47/0.58	0.73/1.34	0.2/0.75	-0.08/-1.83	-0.98/-1.28	-2.14/-4.11	-5.5/-4.45	-4.29/-4.83	-4.48/-7.56	-7.61/-4.97	-8.22/-6.31	-6.02/-6.39	-6.33/-7.17	-7.43/-7.63	-7.55/-5.95
Θ(67.5°)	-5.92/-4.85	-3.69/-3.27	-3.43/-3.84	-3.17/-2.23	-0.37/0.23	-0.04/-0.93	-1.61/-0.99	-0.44/0.65	0.66/-0.36	0.12/0.84	0.01/0.33	-1.15/-1.02	-0.83/-0.67	-0.21/0.09	-0.49/-2.77	-7.45/-7.98	-5.22/-3.37	-6.45/-10.3	-8.1/-10.13	-8.11/-10.14	-10.99/-10.25	-8.53/-5.45	-5.05/-5.6	
Θ(75°)	-5.05/-5.29	-4.16/-3.42	-3.05/-4.01	-4.47/-5.05	-2.12/-0.32	0.22/1.96	1.07/0.74	0.28/0.2	1.031/49	0.67/0.7	0.39/0.42	-0.13/-0.78	0.21/-0.32	-2.07/-1.12	-0.51/-2.24	-4.26/-4.26	-2.07/-10.14	-8.38/-10.93	-8.61/-8.43	-5.61/-7.92	-7.66/-7.58	-8.08/-6.38		
Θ(82.5°)	-5.19/-5.14	-4.11/-2.62	-2.87/-4.1	-4.97/-3.09	-0.56/-0.06	-0.36/0.54	-0.18/-0.05	1.22/0.9	2.06/2.12	0.22/0.48	0.82/-0.18	-0.72/-1.11	0.04/-0.74	-0.16/-0.46	-1/-2.16	-5.32/-6.17	-5.33/-6.73	-7.09/-9.07	-6.04/-6.62	-6.76/-6.71	-5.37/-7.9	-5.04/-9.33	-5.88/-7.27	-5.43/-6.34
Θ(90°)	-6.34/-5.3	-4.43/-3.64	-2.82/-2.47	-3.12/-3.57	-1.73/-0.29	-1.06/-0.7	0.10/44	0.45/0.05	0.651/33	0.751/68	2.21/0.32	-0.24/-1.04	0.67/0.24	0.72/-0.93	-0.68/-1.09	-3.76/-4.4	-4.25/-2.28	-2.27/-0.66	-8.88/-6.47	-4.24/-7.08	-5.36/-8.16	-5.81/-7.55	-10.71/-9.83	-7.61/-8.03
Θ(97.5°)	-10.87/-8.03	-6.13/-3.32	-3.3/-2.77	-2.45/-2.03	-1.69/-1.53	-0.79/0.13	0.36/0.89	-0.38/-1.39	-0.01/0.65	0.73/1.43	1.73/1.23	0.9/0.41	0.11/-1.33	-1.03/-2.24	-1.61/-1.51	-4.49/-5.23	-4.11/-2.77	-3.1/-7.71	-6.03/-2.68	-3.85/-4.87	-4.81/-8.45	-5.93/-10.08	-12.55/-11.23	-10.41/-9.59
Θ(105°)	-10.35/-9.94	-7.7/-5.21	-2.89/-1.82	-1.41/-1.29	-1.45/-3.19	-2.74/-1.43	-0.19/-0.2	-1.41/-2.35	-0.10/0.62	0.52/0.23	-0.02/-0.05	1.04/-0.77	-0.71/-2.88	-2.15/-2.55	-2.11/-2.84	-4.73/-4.35	-2.79/-3.12	-5.93/-7.36	-5.15/-4.44	-5.72/-5.11	-6.65/-8.88	-9.84/-9.21	-6.29/-8.81	-9.25/-6.89
Θ(112.5°)	-7.66/-6.15	-4.88/-4.24	-3.28/-3.3	-3.23/-4.49	-3.45/-2.93	-2.55/-2.41	-1.67/-1.02	-0.56/-0.71	-0.91/-1.28	-1.42/-1.14	-1.21/-0.99	-0.43/-1.8	-0.97/-3.47	-3.69/-3.56	-3.33/-4.31	-7.41/-5.98	-5.11/-5.28	-7.01/-8.78	-4.49/-4.18	-7.78/-7.32	-6.41/-9.2	-8.78/-8.78	-11.22/-10.62	-7.71/-7.16
Θ(120°)	-7.63/-5.03	-3.59/-3.03	-3.25/-3.94	-4.9/-5.02	-4.04/-2.84	-2.64/-3.66	-2.84/-1.08	-0.16/-0.64	-1.5/-2.37	-4.39/-3.58	-3.53/-3.9	-3.35/-3.58	-2.81/-3.22	-2.36/-2.95	-4.89/-4.36	-4.87/-5.6	-9.07/-8.41	-4.91/-3.91	-7.06/-7.18	-6.13/-10.86	-10.9/-11	-10.2/-8.61	-7.17/-7.96	
Θ(127.5°)	-7.05/-6.89	-5.54/-5.62	-6.59/-5.57	-4.76/-4.56	-5.04/-4.71	-4.53/-4.87	-3.75/-1.52	-0.99/-0.87	-0.9/-0.99	-2.45/-5.05	-4.48/-3.16	-3.29/-3.91	-3.67/-3.72	-1.62/-2.68	-1.16/-2.05	-3.23/-6.25	-6.37/-8.37	-9.07/-6.71	-6.82/-4.76	-8.56/-8.07	-8.94/-11.11	-9.13/-11.93	-8.57/-9.22	-6.67/-6.69
Θ(135°)	-6.28/-8.94	-9.19/-10	-9.54/-7.92	-8.09/-8.15	-7.44/-7.68	-6.79/-5.25	-3.71/-1.99	-0.65/-0.34	-0.84/-1.61	-1.89/-2.14	-3.14/-2.72	-3.82/-4.04	-3.54/-2.71	-0.75/-1.18	-2.09/-3.16	-4.97/-6.43	-6.32/-8.88	-8.25/-8.46	-5.41/-5.76	-8.71/-8.03	-9.71/-8.27	-8.89/-7.82	-9.08/-7.45	-7/-6
Θ(142.5°)	-7.95/-8.18	-9.07/-9.02	-8.6/-8.59	-7.9/-7.67	-9.33/-10.48	-7.8/-5.2	-3.28/-1.97	-0.93/-0.91	-1.47/-1.81	-1.51/-2.2	-2.26/-3.38	-4.05/-4.46	-3.89/-3.54	-1.78/-2.3	-2.92/-3.39	-4.69/-6.06	-5.56/-5.65							



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

Appendix B

Θ (112.5°)	-7.11/-8.38	-9.72/-11.38	-11.26/-11.29	-9.83/-11.15	-9.65/-8.17	-7.86/-7.58	-7.47/-5.86	-7.33/-10.3	-8.64/-5.92	-6.91/-6.29	-6.27/-5.7	-6.85/-4.02	-4.3/-2.45	-2.3/-0.48	0.8/-1.89	-4.82/-1.83	-0.060/-4	-0.630/-38	1.72/3.26	0.34/-6.08	-1.89/-1.8	-0.94/-3.74	-9.79/-10.8	-7.74/-5.44
Θ (120°)	-7.53/-11.73	-10.03/-11.28	-9.33/-8.54	-8.91/-9.64	-9.97/-10.64	-9.72/-8.5	-6.69/-8.65	-9.37/-8.39	-6.73/-7.29	-6.88/-5.75	-5.8/-5.24	-4.5/-3.2	-3.72/-2.39	-1.92/-2	-1.25/-5.96	-6.07/-1.7	-0.130/-82	-2.5/-1.45	0.212/61	-0.77/-8.51	-4.82/-2.25	-4.6/-6.31	-6.95/-9.7	-11.82/-6.98
Θ (127.5°)	-7.46/-8.07	-10.95/-10.96	-10.65/-9.49	-10.02/-8.83	-10.27/-10.56	-9.53/-6.81	-6.4/-8.06	-8/-8.06	-6.41/-5.88	-5.79/-6.13	-4.87/-4.68	-4.96/-6.22	-6.47/-4.16	-4.52/-3.41	-3.67/-4.82	-2.990/77	0.090/32	-0.64/-2.79	-1.99/63	-1.04/-6.65	-4.35/-3.01	-8.11/-7.54	-6.01/-9.93	-10.49/-5.85
Θ (135°)	-8.9/-8.95	-9.47/-11.3	-8.5/-8.73	-9.8/-12.03	-9.79/-8.05	-7.19/-8.18	-7.79/-8.52	-7.76/-8.82	-6.6/-6.91	-6.59/-6.12	-7.12/-6.58	-4.99/-5.53	-6.67/-5.27	-3.68/-1.22	-0.87/-1.22	0.120/-4	-0.710/56	-1.49/-4.4	-2.31/-1.99	-1.07/-4.97	-5.73/-4.38	-4.66/-5.83	-5.13/-7.9	-10.98/-10.51
Θ (142.5°)	-9.34/-10.5	-10.93/-8.35	-7.69/-7.83	-7.15/-6.4	-5.11/-3.75	-3.61/-5.72	-6.84/-6.33	-4.84/-5.02	-5.6/-6.88	-6.52/-6.02	-5.39/-4.97	-5.86/-6.4	-6.27/-6.34	-4.29/-2.34	-1.65/-6.3	-1.02/-0.22	-1.2/-0.94	-1.45/-2.34	-2.46/-2.94	-0.77/-0.88	-3.07/-0.43	-4.78/-4.51	-4.15/-7.6	-8.76/-10.29
Θ (150°)	-8.93/-8.52	-7.81/-6.64	-6.02/-6.64	-9.91/-9.9	-5.69/-3.55	-4.2/-5.85	-8.2/-7.76	-6.6/-5.82	-6.43/-4.04	-4.73/-5.49	-5.82/-5.69	-5.52/-5.67	-6.01/-5.15	-3.98/-3.09	-1.86/-0.89	-1.13/-2.01	-3.41/-4.7	-5.76/-4.19	-1.61/-1.01	-1.33/-0.16	-0.94/-1.94	-3.73/-4.61	-5.21/-7.08	-9.43/-10.44
Θ (157.5°)	-8.69/-8.83	-9.48/-8.94	-10.89/-10.68	-6.88/-4.38	-3.79/-4.44	-5.76/-7.1	-9.41/-10.45	-9.91/-6.74	-3.83/-2.61	-2.64/-3	-3.11/-3	-3.66/-4.48	-5.47/-6.34	-5.85/-4.54	-3.2/-2.61	-1.9/-1.35	-2.2/-3.28	-2.09/-0.13	0.84/0.2	-1.3/-2.31	-2.46/-2.63	-2.81/-3.25	-4.51/-6.45	-7.47/-8.26
Θ (165°)	-10.13/-9.48	-7.91/-7.31	-6.33/-5.7	-5.46/-6.03	-6.33/-6.15	-6.17/-6.06	-6.71/-7.46	-7.97/-8.67	-9.41/-10.2	-9.86/-8.87	-8.71/-8.3	-8/-8.19	-8.52/-8.38	-6.93/-5.79	-5.48/-5.15	-4.96/-5.44	-6.19/-6.26	-4.65/-2.74	-2.2/-2.59	-3.74/-5.55	-7.75/-6.69	-10.34/-11.16	-11.92/-12.76	-12.15/-11.63
Θ (172.5°)	-7.73/-8.43	-9.32/-9.32	-8.84/-8.12	-7.47/-6.77	-6.67/-6.6	-6.81/-7.92	-8.83/-9.78	-10.57/-10.75	-10.71/-10.18	-9.97/-10.13	-9.94/-9.99	-10.42/-10.39	-6.91/-8.64	-7.54/-7.11	-6.98/-7.02	-6.88/-6.84	-6.53/-5.72	-4.63/-3.95	-3.22/-2.76	-2.85/-4.06	-5.69/-7.54	-9.27/-10.99	-11.01/-9.5	-7.92/-8.07
Θ (180°)	-11.33/-11.08	-10.63/-10.89	-9.61/-9.14	-8.45/-8.08	-8.42/-8.27	-7.49/-7.29	-6.95/-6.88	-7.24/-7.76	-7.49/-7.25	-7.44/-7.65	-7.62/-7.48	-7.95/-8.31	-8.93/-9.17	-9.57/-9.25	-9.12/-8.79	-7.59/-6.5	-5.73/-5.25	-5.08/-4.83	-4.8/-5.05	-5.57/-6.83	-7.8/-9.79	-10.43/-11.25	-10.59/-10.48	-10.18/-11.18
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°)	-4.17/-3.43	-3.01/-2.73	-2.88/-2.79	-3.17/-3.81	-4.02/-4.49	-4.66/-5.34	-5.67/-5.94	-6.76/-6.5	-6.54/-6.27	-5.84/-5.3	-4.72/-3.96	-3.53/-3.13	-3.07/-3.18	-3.31/-3.21	-3.54/-3.71	-4.09/-4.37	-4.93/-5.37	-5.94/-6.27	-6.35/-6.57	-6.4/-6.45	-6.09/-6.57	-5.04/-5.38	-5.1/-4.68	-4.37/-4.52
Θ (7.5°)	-3.76/-3.51	-4.19/-4.38	-5.13/-4.9	-5.44/-6.32	-6.73/-6.71	-6.71/-6.72	-6.46/-6.03	-5.5/-5.19	-4.82/-4.84	-4.64/-4.56	-4.6/-4.98	-5.13/-5.03	-4.94/-5	-4.83/-4.24	-3.72/-3.51	-3.45/-3.34	-3.93/-4.37	-5.08/-5.71	-6.2/-6.81	-7.24/-7.02	-6.18/-5.33	-4.84/-3.99	-3.07/-2.76	-3.03/-3.23
Θ (15°)	-5.45/-6.58	-7.58/-9.17	-10.11/-9.8	-10.21/-10.37	-11.83/-10.47	-9.97/-9.07	-8.18/-7.05	-6.06/-5.07	-4.27/-3.66	-3.37/-3.28	-3.53/-3.79	-4.33/-4.71	-5.31/-4.44	-5.17/-4.04	-3.73/-3.78	-4.42/-4.68	-4.51/-4.43	-4.72/-5.14	-5.16/-4.94	-4.67/-4.06	-3.37/-3.33	-3.59/-3.7	-3.1/-3.12	-4/-4.49
Θ (22.5°)	-4.64/-4.97	-5.68/-6.57	-7.89/-8.46	-9.22/-10.46	-9.44/-8.71	-8.41/-8.55	-8.89/-6.54	-4.47/-3.81	-3.59/-3.55	-3.39/-3.05	-3.03/-4.12	-5.59/-7.06	-7.39/-5.88	-4.65/-3.53	-3.13/-3.95	-4.27/-3.34	-2.72/-3.52	-4.59/-3.73	-3.2/-3.85	-4.22/-3.07	-2.21/-1.89	-1.36/-1.99	-3.36/-5	-5.28/-4.95
Θ (30°)	-4.88/-5.56	-6.91/-6	-4.58/-3.9	-4.29/-4.99	-6.28/-9.7	-9.88/-10.28	-9.75/-8.09	-5.02/-3.8	-4.37/-5.52	-6.09/-6.77	-5.77/-4.99	-5.8/-7.44	-8.93/-8.21	-6.36/-5.21	-3.67/-5.99	-5.11/-3.27	-3.04/-3.62	-2.98/-2.22	-1.78/-3.3	-2.67/-1.94	-1.56/-2.09	-0.3/-1.71	-3.23/-4.84	-6.54/-5.37
Θ (37.5°)	-3.63/-4.45	-5.91/-3.77	-3.94/-3.55	-4.9/-6.5	-7.16/-9.75	-11.26/-9.95	-6.61/-6.67	-5.61/-4.2	-5.14/-8.3	-6.71/-6.93	-6.61/-6.67	-5.61/-4.2	-4/-5.45	-4.71/-4.32	-3.93/-5.1	-5.71/-4.94	-4.75/-4.76	-3.78/-2.95	-1.96/-1.67	-1.87/-1.23	0.160/-82	-0.05/-2.21	-4.65/-4.51	-4.43/-4.39
Θ (45°)	-1.1/-1.98	-4.01/-4.93	-4.24/-4.1	-4.51/-6.33	-8.4/-9.93	-11.72/-10.67	-9.26/-6.09	-4.24/-3.92	-5.37/-7.38	-6.47/-5.31	-6.91/-5.83	-3.53/-3.56	-4.17/-2.42	-0.99/-1.65	-3.82/-4.18	-4.49/-3.82	-3.8/-5.06	-4.94/-3.05	-3.71/-4.13	-2.7/-0.84	-0.69/-1.09	-1.57/-1.72	-1.96/-3.27	-4.44/-2.87
Θ (52.5°)	-4.26/-4.18	-3.74/-4.45	-5.34/-6.24	-6.2/-8.5	-9.37/-11.9	-11.03/-10.68	-10.12/-8.07	-5.49/-4.68	-5.65/-6.64	-6.79/-6.42	-4.38/-5.6	-3.15/-5.25	-3.26/-1.49	-0.37/-0.37	-2.14/-2.76	-1.67/-1.74	-0.73/-1.15	-3.38/-3.33	-2.11/-1.26	-0.43/-2.42	-0.820/-56	-0.19/-0.78	-1.15/-2.98	-2.71/-6.33
Θ (60°)	-0.04/-1.5	-2.11/-2.54	-5.09/-5.56	-4.86/-5.85	-11.98/-12.56	-9.86/-10.15	-12.71/-11.21	-9.45/-8.03	-6.68/-5.14	-4.67/-5.87	-5.53/-3.74	-3.48/-10.8	-1.09/-0.23	0.22/-0.81	-1.98/-1.62	-1.87/-1.05	-1.27/-0.62	-0.82/-1.18	-0.88/-0.05	0.130/77	-0.70/-2.4	3.07/0.24	-7.02/-2	
Θ (67.5°)	-2.13/-1.99	-2.77/-3.79	-3.7/-5.82	-6.43/-8.9	-11.14/-8.89	-8.19/-8.59	-11.5/-11.02	-8.94/-7.91	-6.8/-6.37	-4.78/-6.17	-4.4/-1.4	-2.59/-1.31	-1.07/-1.11	-1.07/-0.58	-1.69/-2.33	-2.47/-1.01	-0.011/61	1.930/72	0.290/37	2.190/96	0.612/5	1.891/86	2.281/91	-0.44/-1.42
Θ (75°)	-1.69/-3.69	-2.14/-4.04	-4.23/-4.06	-4.28/-4.69	-6.83/-5.87	-7.47/-10.4	-10.71/-9.73	-7.16/-5.53	-4.76/-5.74	-6.29/-5.07	-3.59/-1.41	-1.5/-1.51	-0.66/-0.19	-0.82/-0.01	-0.53/-0.71	-2.42/-2.6	0.631/07	0.39/-0.57	0.981/43	3.271/92	2.461/87	1.241/17	0.031/34	-1.51/-1.83
Θ (82.5°)	-0.85/-4.56	-2.05/-6.33	-4.42/-4.16	-7.04/-8.91	-7.32/-5.25	-8.37/-9.81	-8.78/-9.31	-12.3/-5.56	-5.45/-8.57	-4.92/-3.13	-5.38/-3.25	-2.72/-2.07	-0.44/-0.69	-0.68/-1.21	-0.30/-49	-3.67/-3.02	1.661/68	1.410/03	1.042/39	3.820/58	0.950/39	-0.310/97	-1.92/-0.78	
Θ (90°)	-1.85/-4.25	-2.24/-5.37	-4.41/-5.52	-7.8/-7.96	-6.38/-5.21	-9.11/-10.23	-9.59/-9.46	-10.53/-5.52	-6.6/-9.08	-5.21/-2.93	-4.37/-2.7	-2.01/-1.74	-0.63/-1.69	-1.13/-3.18	-0.610/51	-2.51/-1.54	1.310/87	1.860/65	-1.272/47	3.891/31	2.881/91	1.52/55	0.250/83	-1.56/-1.87
Θ (97.5°)	-3.07/-3.34	-4.11/-5.49	-5.6/-92	-10.23/-7.71	-5.47/-5.53	-7.53/-6.77	-7.97/-9.12	-8.83/-5.74	-5.47/-5.46	-3.59/-3	-3.32/-1.92	-1.82/-1.89	-1.12/-0.43	-0.36/-1.16	-0.460/2	-4.81/-1.29	1.310/8	2.611/76	0.892/94	3.372/9	3.350/38	-0.462/21	0.3/-0.11	-1.43/-1.22
Θ (105°)	-2.77/-3.61	-2.93/-4.12	-4.97/-3.91	-7.37/-10.62	-7.26/-5.25	-5.57/-7.31	-8.31/-10.65	-9.17/-4.7	-4.69/-4.87	-4.13/-4.42	-4.33/-2.68	-1.53/-1.83	-1.09/-0.88	0.160/-82	-0.61/-0.3	-1.44/-1	2.290/08	1.582/22	4.663/4	3.170/3	-2.52/18	0.771/-0.84	-0.91/-1.9	
Θ (112.5°)	-4.63/-6.09	-6.87/-5	-4.79/-4.52	-4.03/-7.25	-11.66/-9.38	-7/-7.47	-7.54/-8.68	-8.11/-5.95	-5.74/-7.86	-8.34/-5.41	-4.66/-4.16	-4.99/-1.8	-1.65/-0.39	-0.73/-1.85	0.74/-1.53	-0.25/-1.84	-2.280/49	1.83/-1.89	1.214/12	4.130/97	30.35	-3.762/55	0.36/-1.45	-0.92/-2.43
Θ (120°)	-5.74/-3.84	-5.07/-5.69	-8.16/-9.1	-5.67/-6.96	-8.93/-6.65	-6.23/-6.69	-7.71/-5.95	-6.61/-8.52	-8.03/-8.92	-7.87/-7.65	-5.6/-4.91	-4.04/-3.9	-4.97/-1.5	-0.13/-1.5	1.94/-0.96	0.091/2	-1.210/77	3.04/-1.14	0.883/13	3.07/-1.75	2.12/-2.57	-4.770/16	1.49/-2.55	-2.37/-4.75
Θ (127.5°)	-5.71/-5.47	-5.78/-4.76	-4.25/-5.23	-6.04/-7.82	-8.91/-9.14	-10.09/-9.43	-8.3/-7.73	-7.97/-1.8	-8.88/-6.96	-5.31/-3.62	-4.07/-4.32	-3.06/-4.17	-3.02/-1.39	-0.720/38	0.98/-1.12	0.620/44	-3.72/-1.33	0.1/-1.71	0.353/03	1.27/-1.84	-1.26/-2.97	-6.04/-2.31	-0.22/-3.39	-2.74/-2.27
Θ (135°)	-6.08/-7.45	-6.3/-6.59	-6.97/-8.27	-9.45/-9.78	-10.73/-10.81	-10.06/-9.66	-10.66/-11.1	-9.067/-1.8	-4.36/-2.9	-3.36/-4.86	-4.41/-1.83	-1.45/-1.52	-1.51/-1.56	-2.99/-1.76	-1.41/-2.11	-0.44/-1.33	-4.64/-4.58	-1.47/-1.98	-1.891/65	0.01/-5.9	-3.67/-7.66	-1.52/-0.51	-0.9/-3.87	-6.81/-4.97
Θ (142.5°)	-5.27/-5.38	-6.61/-8.31	-7.41/-5.97	-7.02/-8.85	-9.48/-9.7	-8.65/-7.02	-7.17/-7.49	-5.22/-3.71	-3.84/-4.63	-5.57/-5.61	-4.08/-2.38	-2.14/-2.47	-2.88/-2.94	-3.32/-3.22	-2.83/-1.55	-1.97/-5.89	-7.53/-4.04	-3.26/-4.51	-1.020/74	-2.72/-5.64	-5.29/-0.08	-4.98/-5.73	-3.57/-1.68	-2.52/-3.99
Θ (150°)	-3.19/-3.77	-4.93/-6.64	-7.46/-7.99	-8.58/-8.67	-8.36/-9.05	-9.91/-10.85	-10.42/-10.85	-8.24/-6.21	-5.04/-3.47	-1.87/-1.23	-1.76/-2.61	-3.56/-4.38	-3.87/-3.39	-3.03/-2.61	-3.45/-4.76	-6.53/-7.03	-6.17/-5.05	-5.77/-4.54	-4.39/-2.55	-1.24/-1.97	-3.6/-6.69	-6.84/-3.88	-3.08/-2.63	-3.99/-3.8
Θ (157.5°)	-7.51/-7.51	-7.69/-7.79	-6.63/-7.16	-8.34/-8.62	-8.27/-8.99	-10.74/-12.56	-12.06/-12.35	-11.2/-8.26	-5.93/-4.18	-2.47/-1.3	-0.85/-0.58	-0.95/-2.08	-2.91/-3.25	-3.17/-3.35	-4.57/-5.28	-6.22/-7.33	-8.34/-7.42	-6.65/-5.92	-3.97/-1.89	-1.29/-2.59	-3.92/-4.3	-4.41/-4.82	-6.07/-7.86	-10.14/-9.79
Θ (165°)	-4.51/-3.12	-3.08/-3.76	-4.62/-5.2	-5.83/-6.32	-7.48/-9.14	-11.52/-11.32	-11.28/-10.84	-8.98/-7.13	-5.76/-5.41	-5.65/-6.06	-5.85/-4.78	-3.82/-3.13	-3.08/-3.39	-3.93/-5.38	-2.76/-2.34	-2.81/-4.69	-7.52/-9.14	-9.44/-5.94	-8.08/-6.89	-5.64/-4.59	-4.52/-4.88	-6.1/-6.65	-7.08/-1.5	-7.38/-5.76
Θ (172.5°)	-9.91/-8.4	-8.33/-7.76	-7.54/-7.47	-7.77/-8.26	-9.35/-9.89	-10.27/-9.86	-9.8/-10.24	-10.38/-10.36	-10.3/-10.81	-10.82/-10.12	-8.94/-7.91	-6.35/-5.75	-5.											



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

Appendix B

Θ(157.5°)	-9.01/-8.93	-7.78/-7.56	-7.46/-7.02	-7.41/-8.37	-8.62/-7.25	-6.5/-6.07	-5.91/-6.36	-7.27/-8.12	-7.46/-6.11	-4/-3.21	-3.55/-4.96	-6.2/-6.04	-5.33/-4.26	-3.42/-3.12	-2.72/-1.66	-1.56/-2.64	-2.65/-2.78	-2.61/-1.12	-0.10/0.3	-0.66/-2.06	-4.98/-6.24	-5.43/-5.89	-7.06/-8.49	-9.88/-9.71
Θ(165°)	-10.12/-10.05	-10.46/-11.22	-10.46/-10.69	-8.62/-7.07	-6.01/-5.76	-5.75/-6.74	-7.71/-9.4	-10.28/-9.96	-8.94/-8.18	-7.1/-6.29	-6.04/-5.65	-5.21/-5.15	-5.49/-5.64	-5.15/-4.96	-4.68/-4.23	-3.38/-2.48	-2.11/-2.34	-2.31/-1.82	-1.12/-1.22	-1.34/-2.31	-3.91/-5.66	-7.65/-10.32	-11.07/-11.69	-11.8/-10.26
Θ(172.5°)	-8.5/-8.73	-8.73/-8.05	-7.53/-6.81	-6.78/-7.06	-6.99/-7.31	-7.63/-4.7	-7.72/-7.22	-6.91/-6.63	-5.99/-5.82	-5.93/-6.77	-7.78/-7.65	-10.26/-11.16	-6.14/-5.92	-7.7/-6.69	-6.76/-6.54	-5.67/-5.94	-5.24/-4.82	-4.85/-4.87	-5.03/-5.37	-6.39/-7.09	-8.37/-9.85	-12.15/-11.97	-12.71/-11.72	-11.47/-9.82
Θ(180°)	-7.97/-8.01	-6.42/-5.43	-5.14/-4.85	-4.85/-4.99	-5.03/-5.07	-5.37/-5.59	-5.8/-6.25	-6.41/-6.42	-6.43/-6.17	-6.16/-6.33	-6.4/-6.11	-6.05/-6.3	-6.71/-6.32	-6.38/-5.96	-5.59/-5.06	-4.87/-4.48	-4.68/-4.93	-5.15/-5.11	-5.4/-6.09	-6.84/-6.04	-9.36/-9.84	-10.93/-11.89	-10.02/-8.55	-8.31/-6.58
Freq(Hz)	6.695GPol.	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°)	-9.91/-11.08	-9.79/-9.86	-9.08/-8.09	-8.27/-2.23	-6.6/-6.11	-5.61/-4.82	-4.33/-3.86	-3.72/-3.79	-3.54/-3.69	-3.97/-4.6	-5.35/-6.15	-7.02/-8.07	-9.39/-10.46	-11.59/-11.66	-10.56/-9.34	-8.22/-7.01	-6.12/-5.72	-5.38/-4.49	-4.32/-3.78	-3.41/-3.15	-2.99/-3.33	-3.75/-3.71	-4.45/-6.4	-7.18/-7.7
Θ(7.5°)	-7.97/-8.92	-8.55/-9.28	-7.84/-6.61	-6.66/-6.46	-6.26/-6.12	-5.47/-5.29	-4.29/-3.52	-3.18/-2.97	-2.76/-2.69	-2.73/-3.04	-3.23/-3.76	-4.29/-3.59	-5.66/-7.65	-9.06/-9.83	-10.06/-7.9	-6.74/-5.73	-5.38/-5.3	-5.56/-5	-4.57/-4.01	-3.76/-3.32	-3.13/-3.99	-4.16/-3.41	-3.59/-5.16	-6.15/-7.67
Θ(15°)	-2.52/-3.04	-4.22/-5.79	-7/-7.72	-7.3/-7.83	-7.99/-7.39	-6.78/-6.1	-5.85/-5.61	-5.26/-4.34	-3.56/-2.74	-2.59/-2.94	-3.61/-4.06	-4.77/-5.56	-6.19/-6.67	-6.73/-6.83	-7.46/-6.39	-5.31/-4.31	-3.97/-3.88	-4/-3.85	-3.58/-3.38	-3.47/-3.59	-3.62/-3.72	-2.68/-1.74	-1.32/-1.4	-2.19/-2.8
Θ(22.5°)	-1.64/-2.07	-3.16/-4.2	-5.2/-5.66	-7.23/-8.64	-9.07/-8.75	-8.61/-7.65	-5.97/-3.96	-3.63/-4.46	-5.43/-5.51	-6.1/-6.72	-5.9/-5.26	-5.7/-6.26	-7.88/-8.64	-6.44/-4.93	-5.2/-6.09	-6.5/-6.43	-6.83/-5.54	-3.7/-3.27	-3.39/-3.63	-3.8/-3.7	-3.82/-3.38	-2.18/-2.11	-2.5/-2.16	-2.36/-1.54
Θ(30°)	-4.08/-4.66	-5.71/-5.89	-4.97/-5.33	-7.05/-8.03	-8.49/-9.51	-10.23/-9.66	-8.34/-6.76	-5.61/-4.96	-4.79/-4.76	-4.67/-4.57	-4.31/-5.08	-5.94/-6.96	-8.5/-9.25	-9.8/-8.54	-6.72/-7.34	-7.25/-6.02	-4.97/-3.54	-3.03/-3.33	-3.07/-2.55	-2.24/-2.04	-1.49/-2	-2.62/-5.05	-5.08/-3.62	-5.76/-3.62
Θ(37.5°)	-6.22/-5.05	-4.42/-4.31	-3.94/-3.95	-5.35/-5.56	-8.35/-9.39	-8.57/-7.95	-6.91/-6.45	-7.06/-6.41	-5.49/-5.36	-5.04/-4.3	-4.65/-5.04	-6.31/-6.29	-8.88/-11.12	-9.14/-6.58	-5.82/-5.2	-5.67/-5.89	-4.94/-5	-5.06/-3.2	-1.9/-1.88	-3.54/-2.53	-1.47/-2.28	-4.98/-4.09	-4.53/-5.99	-5.79/-6.79
Θ(45°)	-6.36/-5.98	-4.41/-6.68	-5.34/-5.61	-6.25/-5.77	-7.98/-10.73	-9.5/-7.5	-7.8/-6.73	-5.41/-6.18	-6.33/-5.57	-6.2/-5.4	-4.34/-4.98	-4.05/-3.93	-6.04/-6.87	-4.28/-4.03	-5.18/-5.67	-4.97/-4.26	-4.67/-5.09	-4.28/-3.67	-4.4/-3.02	-2.72/-4.24	-5.39/-4.41	-5.01/-3.93	-2.91/-3.2	-4.74/-3.22
Θ(52.5°)	-0.73/-3.91	-4.37/-3.98	-4.72/-5.94	-7.8/-9.14	-10.24/-10.21	-10.42/-10.06	-7.43/-7.53	-8.7/-7.68	-6.63/-5.59	-4.64/-3.81	-2.31/-2.17	-4.43/-4.35	-6.7/-5.6	-2.8/-2.43	-4.1/-5.3	-1.13/-3.33	-3.98/-3.77	-2.4/-2.79	-2.78/-1.68	-0.97/-0.94	-1.81/-2.91	-1.06/-0.9	-0.91/-1.04	-0.14/-3.2
Θ(60°)	-1.73/-3.93	-3.96/-2.96	-3.67/-3.48	-4.5/-8.98	-10.17/-6.7	-8.82/-12.15	-8.15/-5.55	-5.84/-6.72	-8.42/-7.73	-6.97/-4.48	-3.43/-1.17	-2.57/-0.59	-1.11/-1.89	-0.14/-0.26	-1.15/-3.84	-2.84/-0.67	-0.08/-0.06	0.02/-1.28	-1.57/-0.2	-0.86/-1.21	0.31/-0.42	0.96/-0.05	0.07/-0.96	-2.24/-1.75
Θ(67.5°)	-0.96/-2.28	-1.39/-1.94	-3.1/-3.4	-6.06/-7.31	-6.69/-9.62	-12.92/-12.74	-10.71/-8.42	-6.17/-4.68	-6.98/-9.84	-6.41/-5.53	-6.07/-4.13	-4.02/-3.97	-3.23/-2.77	-1.6/-1.7	-1.2/-2.82	-4.4/-3.31	-1.65/-0.44	-0.07/-2.24	-1.3/-1.48	0.39/-0.31	1.16/-0.39	-1.31/-0.29	1.19/-1.17	-0.85/-1.79
Θ(75°)	-3.08/-4.69	-3.89/-3.14	-4.09/-4.35	-5.85/-5.4	-7.9/-7.06	-10.37/-7.01	-6.71/-5.39	-5.17/-7.06	-4.34/-4.24	-5.21/-4.9	-4.5/-2.81	-2.46/-3.1	-1.62/-1.11	-1.62/-1.11	-0.29/-1.98	-1.55/-0.6	-0.54/-0.51	-1.02/-1.97	-1.51/-0.75	1.16/-0.73	1.93/-1	0.45/-0.6	-0.71/-0.14	-2.86/-1.92
Θ(82.5°)	-1.76/-2.39	-3.26/-1.89	-2.61/-4.89	-6.08/-2.86	-5.02/-7.08	-6.98/-6.71	-8.64/-7.59	-4.64/-8.41	-5.81/-3.65	-7.69/-5.6	-3.79/-3.66	-3.92/-5.01	-2.7/-2.15	-0.61/-0.23	-0.20/-1.95	-1.61/-1.94	-0.26/-0.99	-0.59/-1.48	1.71/-79	2.20/-45	0.31/-0.7	1.95/-77	0.44/-0.4	
Θ(90°)	0.82/-2.1	-3.19/-4.59	-3.59/-5.02	-6.33/-7.38	-8.78/-6	-7.23/-10.17	-11.59/-8.95	-5.02/-8.54	-7.19/-4.9	-4.08/-4.62	-3.22/-4.9	-1.74/-3.36	-1.02/-0.93	-0.35/-1.3	-0.78/-1.18	-1.34/-2.63	-0.65/-0.31	-0.27/-1.07	-4.07/-0.66	2.520.69	1.84/-1.05	1.57/-1.05	-0.34/-0.21	-1.35/-0.08
Θ(97.5°)	-2.7/-3.17	-3.4/-4.53	-4.74/-4.83	-7.11/-8.9	-10.01/-6.84	-5.1/-7.1	-9.76/-7.77	-9.22/-8.52	-6.49/-5.39	-4.22/-3.53	-2.81/-2.56	-1.62/-2.94	-0.79/-1.25	-0.5/-2.31	-0.62/-0.21	-1.09/-4.82	-1.31/-107	-0.73/-0.06	-1.28/-1.33	2.49/-0.22	2.22/-1.45	0.92/-1.27	0.28/-0.02	-1.11/-2.32
Θ(105°)	-1.87/-4.59	-3.61/-5.77	-4.71/-6.12	-8.25/-8.11	-9.16/-8.29	-4.99/-7.04	-9.13/-10.17	-9.54/-7.69	-6.18/-5.24	-3.4/-42	-4.55/-3.39	-0.91/-1.5	-0.24/-1.64	-1.21/-2.76	-2.03/-1.7	-3.21/-1.39	-0.9/-1.23	-1.07/-0.35	2.05/-25	1.16/-2.61	-1.45/-2.01	1.2/-0.84	-0.44/-1.13	
Θ(112.5°)	-3.39/-5.83	-4.3/-5.93	-5.23/-6.94	-9.44/-6.73	-6.65/-9.11	-8.22/-8.23	-9.42/-9.96	-8.74/-7.98	-7.3/-6.98	-7.11/-63	-5.57/-4.64	-3.04/-2.9	-2.24/-1.25	-1.6/-3.34	-1.29/-1.59	-4.41/-1.37	-2.23/-2.83	-0.52/-0.82	-3.11/-0.43	1.98/-0.24	0.96/-2.97	-0.23/-1.36	-0.74/-3.27	-2.12/-5.54
Θ(120°)	-3.44/-6.62	-5.1/-5.88	-7.91/-7.03	-7.98/-9.96	-7.87/-6.56	-8.73/-8.97	-9.08/-6.6	-9.16/-9.19	-9.21/-10.46	-8.62/-7.9	-7.75/-7.87	-7.91/-6.71	-4.34/-2.67	-2.55/-2.53	-0.07/-0.78	-4.02/-0.3	-0.21/-3.27	-0.03/-0.13	-0.51/-1	1.31/-0.08	1.36/-4.51	-0.31/-0.73	-0.39/-0.24	0.17/-3.32
Θ(127.5°)	-2.11/-3.31	-4.04/-33	-4.27/-6.81	-4.66/-5.27	-7.27/-6.79	-8.12/-47	-10.27/-7.33	-9.03/-7.33	-6.45/-5.93	-4.56/-4.14	-4.52/-6.45	-3.54/-2.88	-1.55/-2.66	-0.14/-1.27	-1.83/-1.72	-4.88/-4.21	-0.20/-53	-1.84/-0.51	-0.81/-1.7	-0.94/-6.52	-6.55/-2.48	-2.44/-5.5	-1.54/-1.17	
Θ(135°)	-4.33/-5.76	-6.81/-6.25	-4.88/-5.34	-7.98/-9.48	-7.53/-7.18	-7.2/-7.87	-8.64/-7.58	-7.4/-6.18	-7.38/-8.83	-6.69/-4.38	-3.54/-2.86	-3.82/-4.85	-4.4/-3.02	-2.01/-1.65	-1.11/-2.41	-2.53/-3.97	-7.2/-4.79	-1.41/-1.03	-0/-2.04	-2.98/-4.69	-1.79/-2.4	-4.9/-3.26	-3.16/-4.21	-4.14/-3.67
Θ(142.5°)	-3.84/-4.97	-7.12/-8.38	-8.31/-8.76	-8.39/-8.64	-9.29/-11.43	-10.83/-11.43	-10.72/-8.45	-6.51/-5.36	-5.47/-5.5	-3.83/-3.56	-3.47/-4.4	-4.16/-4.29	-4.13/-3.86	-2.54/-2.65	-3.41/-4.05	-5.13/-6.38	-4.51/-2.65	-1.18/-1.22	-2.94/-3.33	-2.15/-3.69	-3.98/-3.72	-5.68/-5.53	-3.66/-6.22	-3.75/-3.4
Θ(150°)	-6.32/-6.21	-6.08/-7.03	-6.61/-6.89	-7.23/-7.71	-9.05/-8.99	-8.43/-9.07	-10.95/-9.01	-8.43/-8.83	-4.37/-4.13	-6.74/-9.6	-4.99/-4.47	-3.77/-3.51	-2.79/-4.21	-7.15/-9.29	-2.25/-0.58	-2.89/-3.67	-2.44/-2.01	-3.72/-4.3	-1.71/-0.58	-0.32/-2.7	-5.14/-5.52			
Θ(157.5°)	-7.76/-9.61	-9.03/-8.52	-7.28/-7.47	-7.46/-7.93	-9.73/-10.19	-9.72/-9.92	-10.2/-10.4	-9.88/-8.38	-6.63/-4.55	-2.42/-1.61	-2/-3.14	-4.57/-5.08	-5.12/-5.76	-5.29/-5.17	-5.34/-5.85	-6.62/-7.17	-6.6/-5.05	-3.45/-2.62	-2.75/-2.32	-1.07/-1.02	-2.55/-3.96	-4.88/-5.05	-5.45/-7.33	-8.53/-7.02
Θ(165°)	-7.33/-6	-6.22/-5.83	-5.81/-6.49	-7.27/-6.67	-7.54/-8.33	-9.52/-11.27	-11.04/-11.14	-12.21/-12.46	-11.33/-9.52	-7.1/-5.57	-4.62/-4.76	-5.51/-6.84	-6.75/-6.82	-6.48/-6.71	-6.17/-5.22	-4.94/-4.13	-4.55/-4.47	-3.79/-3.66	-4.19/-4.28	-3.85/-3.18	-2.82/-3.92	-6.04/-8.29	-8.82/-9.38	-8.26/-9.8
Θ(172.5°)	-10.46/-12	-12.02/-11.01	-9.67/-7.42	-7.53/-8.31	-8.67/-9.38	-10.34/-11.15	-12.18/-12.24	-11.29/-11.16	-9.99/-8.52	-7.58/-6.34	-5.48/-5.48	-5.55/-5.62	-5.83/-6.5	-6.92/-6.94	-6.43/-6.65	-4.93/-4.8	-3.98/-4.17	-4.24/-4.32	-4.59/-3.93	-3.98/-4.17	-4.35/-5.18	-6.66/-7.61	-8.17/-8.52	-8.66/-8.95
Θ(180°)	-8.13/-7.41	-7.39/-6.71	-6.27/-5.67	-6.41/-6.89	-7.37/-6.62	-7.11/-7.16	-6.78/-6.45	-6.57/-6.92	-6.79/-6.51	-6.1/-6.09	-6.16/-6.99	-5.88/-5.78	-5.82/-6.17	-6.48/-6.33	-6.5/-6.83	-5.92/-6.05	-6.34/-6.57	-7.07/-6.96	-7.15/-6.79	-7.14/-7.35	-9.19/-10.15	-11.52/-11.27	-10.4/-9.61	
Freq(Hz)	6.695GPol.	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°)	-4.4/-4.92	-4.16/-3.86	-3.56/-3.98	-4.3/-4.67	-4.53/-4.71	-4.92/-6.01	-6.63/-6.66	-7.79/-9.15	-9.8/-9.59	-9.39/-8.85	-8.04/-7.94	-7.11/-6.83	-6.37/-6.14	-5.53/-5.2	-4.89/-4.79	-3.97/-3.86	-4/-4.38	-5.34/-5.97	-6.02/-5.93	-5.69/-6.49	-6.81/-7.68	-7.28/-6.68	-5.84/-5.1	-4.78/-4.58
Θ(7.5°)	-5.84/-5.87	-6.09/-4.71	-4.55/-3.84	-3.48/-3.35	-3.21/-3.33	-3.23/-3.29	-3.63/-3.67	-3.82/-4.15	-4.48/-4.81	-4.47/-4.2	-3.83/-3.49	-3.51/-3.41	-3.62/-3.94	-4.13/-4.22	-4.2/-3.98	-3.57/-3.49	-3.73/-3.89	-4/-3.4.8	-5.67/-7.47	-8.57/-9.81	-11.71/-13.09	-11.67/-9.79	-8.27/-7.47	-6.98/-6.63
Θ(15°)	-4.52/-3.92	-3.76/-3.47	-3.88/-4.36	-4.55/-4.68	-5.54/-5.03	-5.27/-4.62	-4.31/-4.3	-4.88/-4.82	-4.53/-4.54	-4.92/-4.58	-4.06/-3.46	-2.92/-2.67	-2.73/-3.36	-3.37/-3.35	-2.57/-2.05	-1.52/-1.17	-0.89/-0.51	-0.75/-1.57	-2.61/-3.71	-4.36/-5.5	-6			



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

Appendix B

Θ (180°)	-9.35/-9.1	-8.83/-9.54	-9.02/-8.82	-8.57/-7.99	-8.13/-8.23	-7.65/-7.72	-7.79/-7.83	-8.24/-8.79	-8.46/-8	-8.12/-8.22	-8.2/-8.21	-8.76/-9.24	-9.65/-10.1	-11.06/-11.35	-11.86/-11.86	-10.74/-9.64	-8.86/-8.47	-8.47/-8.1	-7.81/-7.71	-7.74/-8.43	-8.79/-10.26	-10.25/-10.07	-9.25/-9.06	-8.54/-9	
Freq(Hz)	6.175GPol.	Θ(15°)Φ(7.5°)	Θ(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°)	-2.56/-2.38	-2.33/-2.35	-2.65/-2.94	-3.42/-4.09	-4.53/-5.45	-6/-6.46	-6.6/-6.68	-6.75/-5.94	-5.6/-5.01	-4.4/-3.71	-3.07/-2.42	-2.1/-1.95	-2.17/-2.5	-2.85/-3.03	-3.68/-4.18	-4.91/-5.45	-6.16/-6.71	-7.19/-7.48	-7.5/-7.3	-6.59/-6.48	-5.93/-5.07	-3.99/-3.9	-3.1/-2.53	-2.62/-2.75	
Θ (7.5°)	-2.93/-4.36	-4.39/-4.98	-5.99/-6.27	-6.81/-7.78	-8.01/-7.93	-7.8/-7.56	-7.33/-7	-6.5/-6.02	-5.38/-5.16	-4.62/-4.18	-3.7/-3.52	-3.19/-3.16	-3.24/-3.52	-3.65/-3.6	-3.42/-3.66	-4.06/-4.34	-5.14/-5.81	-6.25/-6.49	-6.43/-5.88	-5.81/-5.62	-5.09/-4.28	-3.82/-3.5	-2.69/-2.14	-2.08/-2.4	
Θ (15°)	-4.28/-4.85	-6.69/-6.92	-8.26/-8.62	-9.3/-9.87	-11.61/-10.61	-9.45/-8.48	-7.67/-6.62	-5.8/-5.15	-4.75/-4.65	-4.63/-4.11	-3.85/-3.52	-3.72/-4.22	-4.94/-5.5	-5.48/-4.56	-4.18/-3.85	-4.42/-4.84	-5.1/-5.48	-5.36/-5.76	-5.41/-5.47	-4.19/-3.71	-3.41/-3.58	-4.21/-4.94	-4.63/-4.48	-4.09/-4	
Θ (22.5°)	-3.71/-3.59	-3.53/-4.2	-5.45/-6.29	-7.88/-9.75	-10.09/-9.57	-9.2/-8.16	-7.24/-5.84	-4.65/-4.44	-4.22/-4.78	-4.88/-4.39	-3.78/-3.99	-4.93/-6.48	-7.72/-7.37	-6.89/-6.05	-5.76/-6.11	-6.04/-4.83	-4.21/-4.43	-4.72/-4.11	-3.42/-3.24	-3.02/-2.35	-2.32/-2.84	-3.18/-3.69	-4.51/-5	-4.27/-3.9	
Θ (30°)	-3.73/-4.58	-5.75/-5.5	-4.95/-4.88	-5.18/-6.54	-6.5/-8.21	-8.66/-7.17	-6.39/-6.15	-4.89/-4.44	-4.78/-4.79	-4.78/-5.45	-5.36/-4.79	-5.47/-6.6	-7.37/-7.32	-7.39/-7.64	-8.8/-8.6	-7.18/-5.49	-5.22/-5.17	-3.89/-3.15	-3.17/-3.37	-2.64/-1.55	-1.29/-1.24	-1.65/-2.5	-3.18/-3.54	-4.53/-3.71	
Θ (37.5°)	-4.28/-4.98	-5.71/-4.99	-4.55/-4.61	-5.77/-6.24	-7.2/-8.63	-8.44/-6.76	-5.41/-4.51	-3.86/-4.62	-5.69/-6.24	-6.08/-6.25	-6.56/-5.86	-5.52/-6.56	-7.27/-6.92	-6.18/-6.69	-7.09/-6.8	-6.35/-6.47	-6.49/-5.43	-3.91/-2.65	-2.16/-2.56	-3.66/-3.35	-1.22/-0.36	-1.35/-2.9	-3.64/-3.64	-3.84/-4.46	
Θ (45°)	-0.5/-1.21	-2.87/-4.32	-4.48/-5.12	-6.53/-7.34	-7.45/-7.83	-8.71/-8.83	-8.02/-5.65	-3.68/-3.49	-4.97/-5.92	-5.85/-6.16	-8.07/-7.3	-5.83/-6.12	-6.65/-3.95	-2.82/-3.19	-4.59/-5.66	-6.04/-5.76	-6.1/-6.94	-4.71/-3.91	-5.61/-7.31	-6.1/-3.21	-1.85/-1.47	-2.08/-1.02	-1.35/-2.26	3/-2	
Θ (52.5°)	-2.69/-2.63	-2.35/-2.9	-4.14/-5.43	-5.42/-4.53	-6.48/-7.13	-6.76/-6.75	-6.45/-5.83	-5.96/-6.29	-7.28/-7.16	-7.03/-6.06	-5.02/-5.55	-4.31/-4.24	-5.41/-4.23	-3.81/-3.92	-4.27/-4.76	-4.04/-4.28	-4.07/-2.89	-2.97/-5.2	-5.56/-3.98	-2.19/-3.14	-1.35/-0.41	-0.37/-0.99	-0.51/-1.68	-2.23/-2.83	
Θ (60°)	-0.99/-1.66	-1.68/-2.72	-4.28/-5.28	-3.54/-3.82	-6.31/-5.97	-4.81/-5.86	-8.55/-8.82	-8.88/-8.29	-7.26/-7.6	-6.57/-7.2	-5.61/-2.73	-3.01/-1.6	-2.43/-1.1	-1.53/-2.76	-3.94/-3.7	-3.18/-1.32	-0.88/-2.23	-2.5/-2.81	-2.15/-2.25	-1.67/-0.21	-0.04/-5	0.63/-0.47	-0.74/-0.66		
Θ (67.5°)	-2.12/-2	-2.08/-3.48	-4.11/-5.4	-6.29/-5.88	-6.09/-4.96	-5.1/-7.14	-11.53/-11.76	-7.56/-6.05	-6.18/-7.65	-6.17/-5.32	-4.17/-2.27	-3.14/-2.84	-1.71/-1.86	-2.4/-1.67	-2.75/-3.25	-3.25/-2.4	-1.30/-1.6	0.77/-0.19	0.25/-0.39	1.29/-0.52	0.55/-1.72	0.83/-0.17	1.27/-1.23	-0.85/-0.96	
Θ (75°)	-2.26/-3.47	-2.1/-4.42	-5.15/-5.41	-5.11/-4.1	-4.85/-4.88	-7.02/-7.07	-10.76/-8.82	-5.62/-2.88	-2.78/-4.43	-6.16/-4.98	-3.09/-1.35	-1.77/-2.41	-1.66/-1.79	-3.04/-1.93	-1.82/-1.58	-2.68/-2.65	0.05/-0.6	0.39/-0.53	0.81/-1.43	2.42/-1.71	2.33/-1.57	0.56/-0.62	-0.18/-1.39	-1.48/-3.02	
Θ (82.5°)	-1.7/-5.15	-1.76/-5.15	-4.54/-4.28	-7.92/-9.26	-7.25/-5.19	-9.04/-10.73	-7.96/-8.36	-9.64/-3.67	-3.54/-7.57	-4.86/-3.03	-4.67/-2.42	-2.47/-2.26	-1.01/-1.71	-1.36/-2.61	-1.18/-0.49	-3.73/-3.06	0.85/-0.82	0.79/-0.15	0.93/-0.21	3.11/-1.89	3.54/-1.61	0.16/-0.08	-0.35/-1.01	-1.95/-1.61	
Θ (90°)	-2.01/-3.85	-1.87/-4.49	-3.26/-4.34	-7.33/-9.44	-7.01/-5.29	-9.07/-9.96	-8.71/-8.45	-9.59/-4.57	-5.76/-8.77	-5.39/-2.9	-3.82/-2.42	-1.57/-2.08	-1.27/-2.44	-1.55/-3.2	-0.55/-0.2	-2.56/-1.6	1.02/-0.99	1.87/-0.32	3.09/-0.49	2.16/-1.48	0.93/-1.74	-0.25/-0.42	-2.07/-2.12		
Θ (97.5°)	-2.65/-2.64	-2.97/-4.18	-3.36/-5.13	-8.73/-8.64	-6.12/-6.18	-8.72/-7.8	-7.85/-8.55	-8.32/-5.85	-4.57/-4.43	-2.9/-2.47	-3.14/-2.05	-2.23/-2.22	-1.69/-1.09	-0.86/-1.26	-0.38/-0.18	-4.86/-1.25	1.28/-0.61	0.26/-1.86	2.49/-2.55	2.79/-1.3	-0.56/-2.7	-0.02/-0.03	-2/-1.36		
Θ (105°)	-2.21/-3.06	-2.28/-3.17	-4.18/-2.79	-4.9/-8.04	-5.96/-4.68	-4.73/-5.93	-6.44/-8.11	-6.23/-6.84	-3.04/-3.36	-2.59/-3.39	-3.81/-2.84	-1.41/-1.39	-1.42/-0.46	0.57/-1.02	-1.38/-1.06	-3.98/-0.66	-1.49/-1.02	1.67/-2.3	3.852.94	2.73/-0.36	-2.57/-1.61	0.76/-0.86	-1.42/-1.12		
Θ (112.5°)	-4.82/-6.09	-7.49/-5.24	-5.46/-5.1	-3.84/-7.15	-11.27/-7.91	-5.21/-5.29	-5.08/-5.08	-5/-3.89	-3.7/-5.27	-5.78/-4.36	-4.01/-3.41	-4.85/-2.69	-3.28/-1.91	-1.84/-3.21	0.53/-1.03	-0.06/-1.88	-1.68/-0.37	2.08/-3.27	-0.69/-2.55	3.36/-0.05	2.22/-0.03	-3.79/-0.87	-0.55/-1.89	-2.17/-3.7	
Θ (120°)	-6.73/-3.46	-4.8/-4.47	-7.38/-7.61	-5.17/-4.89	-4.62/-4.1	-2.35/-2.37	-4.29/-3.9	-4.96/-6.79	-6.89/-7.97	-8.28/-8.44	-6.98/-5.88	-5.4/-19	-5.64/-4.22	-1.49/-2.97	1.02/-1.55	-0.56/-0.79	-2.14/-0.26	2.51/-2.13	-1.06/-1.25	2.54/-2.23	0.88/-3.82	-5.25/-0.91	0.08/-3.9	-3.57/-4.07	
Θ (127.5°)	-6.95/-4.1	-6.81/-5.98	-6.31/-6.21	-4.76/-3.71	-2.86/-2.55	-3.36/-3.47	-3.65/-5.2	-7.07/-9.21	-8.96/-7.1	-6.03/-4.21	-4.41/-4.11	-3.41/-4.98	-3.52/-2.88	-1.6/-0.64	0.35/-1.67	0.66/-17	-2.63/-1.03	0.08/-1.78	-1.31/-0.57	-0.89/-1.95	-2.52/-5.62	-8.66/-2.97	-1.32/-4.6	-3.69/-3.52	
Θ (135°)	-6.16/-5.83	-4.49/-5.53	-6.06/-6.55	-6.99/-6.48	-5.19/-4.47	-4.19/-4.42	-6.18/-8.14	-7.29/-6.05	-3.27/-2.19	-2.53/-3.14	-2.74/-1.3	-1.7/-2.08	-2.85/-2.38	-2.92/-1.68	-1.16/-1.79	-0.56/-1	-4.33/-4.41	-1.42/-1.81	-2.64/-1.26	-3.21/-5.48	-4.93/-7.84	-4.76/-3.85	-3.6/-5.65	-7.46/-5.75	
Θ (142.5°)	-5.84/-7.4	-4.55/-7.2	-2.78/-1.77	-2.62/-4.2	-5.66/-5.79	-5.65/-5.87	-7.68/-6.87	-4.66/-4.61	-4.06/-0.43	-4.84/-8.8	-0.86/-4.1	-2.3/-2.14	-2.56/-2.89	-2.52/-1.83	-2.5/-5.75	-7.57/-5	-2.96/-5.3	-3.47/-2.28	-4.78/-7.51	6.34/-3.91	-6.32/-5.61	-5.5/-5.11	-6.58/-6.6		
Θ (150°)	-3.69/-3.62	-3.23/-3.19	-4.38/-4.75	-5.3/-5.88	-6.49/-7.45	8.34/-9.19	-9.54/-10.63	-8.55/-7.04	-6.03/-4.72	-3.62/-3.67	-3.87/-3.81	-3.64/-4.06	-4.14/-4.22	-3.65/-3.17	-3.94/-4.83	-6.68/-8.73	-7.51/-5.19	-5.94/-7.75	-8.29/-7.56	-6.05/-5.19	-5.41/-8.74	-7.34/-5.33	-4.55/-3.98	-5/-4.61	
Θ (157.5°)	-4.33/-3.79	-3.53/-3.44	-2.9/-3.46	-4.75/-5.97	-8.02/-8.42	-9.29/-9.5	-9.33/-10.44	-11.57/-11.5	-10.86/-9.04	-6.64/-5.1	-3.82/-2.87	-2.77/-3.59	-4.25/-4.73	-4.73/-4.71	-5.48/-6.18	-4.72/-4.48	-6.5/-5.86	-7.52/-9.18	-8.5/-7.32	-7.34/-8.31	-7.92/-5.85	-4.61/-4.6	-5.31/-6.35	-1.67/-6.14	
Θ (165°)	-3.66/-2.52	-2.77/-3.3	-4.1/-4.47	-4.92/-5.16	-5.89/-6.91	-8.42/-8.41	-9.02/-6.69	-8.52/-9	-6.66/-8.9	-8.78/-9.46	-9.3/-8.58	-7.67/-6.64	-6.45/-6.83	-7.45/-6.7	-5.49/-4.88	-4.69/-4.52	-6.68/-7.47	-8.2/-8.85	-8.44/-9.02	-9.03/-8.32	-7.64/-6.35	-6.02/-4.52	-5.23/-5.92	-5.81/-4.92	
Θ (172.5°)	-7.14/-6.06	-5.7/-5.52	-5.22/-5.15	-5.31/-6.21	-7.38/-8.1	-8.5/-8.33	-8.27/-8.47	-8.79/-9.2	-9.45/-10.36	-10.84/-10.41	-10.23/-9.83	-8.7/-8	-7.76/-7.8	-7.89/-7.57	-7.56/-7.87	-8.58/-9.33	-9.97/-10.2	-11.01/-11.21	-10.34/-9.4	-8.72/-9.19	-9.52/-9.92	-9.67/-9.18	-8.42/-8.47		
Θ (180°)	-9/-7.48	-6.68/-6.41	-6.86/-6.45	-7.12/-7.48	-8.07/-8.52	-8.52/-8.85	-8.97/-8.93	-9.15/-9.88	-8.69/-8.87	-8.79/-9.25	-8.43/-7.96	-7.55/-6.99	-6.62/-6.41	-6.31/-6.42	-6.49/-7.16	-7.84/-8.06	-8.39/-8.8	-9.15/-9.55	-10.11/-11.17	-12.42/-11.93	-11.71/-11.88	-11.43/-10.6	-9.71/-9.11	-8.92/-8.62	
Freq(Hz)	6.475GPol.	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°)	
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°)	-4.76/-4.59	-4.85/-5.1	-5.23/-4.69	-4.75/-4.97	-5.67/-5.93	-6.55/-7.17	-7.02/-6.64	-6.16/-5.89	-5.34/-4.97	-4.44/-4.27	-3.95/-3.85	-3.74/-3.8	-3.76/-4.06	-4.34/-4.36	-4.46/-4.65	-4.71/-5.24	-5.29/-5.82	-6.41/-7.09	-6.93/-6.57	-6.23/-5.66	-5.65/-5.71	-5.26/-4.71	-5.01/-4.9	-5.35/-5.35	
Θ (7.5°)	-4.2/-4.06	-4.38/-4.13	-4.06/-4.2	-4.17/-4.23	-4.37/-4.39	-4.5/-4.68	-4.43/-4.55	-4.96/-5.04	-5.06/-4.85	-5.09/-5.05	-5.05/-5.04	-4.74/-4.58	-4.29/-4.16	-3.66/-3.29	-3.19/-3.28	-3.88/-4.39	-5.07/-5.04	-7.07/-7.74	-7.3/-6.83	-6.96/-6.34	-6.28/-5.77	-5.11/-5.03	-4.97/-4.72	-4.38/-4.45	
Θ (15°)	-7.29/-6.58	-5.84/-67	-3.31/-2.57	-2.19/-1.87	-1.46/-1.27	-1.28/-1.39	-1.64/-1.82	-2.32/-2.64	-2.94/-3.59	-4.13/-4.58	-4.75/-4.8	-4.64/-3.88	-3.52/-3.54	-3.43/-3.61	-3.71/-3.94	-4.69/-4.47	-5.9/-6.58	-7.26/-8.66	-9.27/-8.56	-8.25/-8.1	-7.54/-7.43	-6.72/-6.49	-6.51/-6.53		
Θ (22.5°)	-5.27/-5.05	-3.88/-3.15	-2.4/-2.02	-2.43/-2.38	-1.65/-1.25	-1.16/-1.2	-1.57/-1.99	-2.27/-2.53	-2.95/-3.15	-3.39/-3.71	-3.87/-3.98	-4.19/-4.15	-4.18/-4.55	-4.29/-3.73	-2.96/-2.5	-2.58/-2.71	-2.59/-3.13	-4.22/-4.81	-5.12/-5.49	-6.6/-7.84	-8.46/-9.14	-7.99/-6.7	-5.42/-5	-4.23/-4.69	
Θ (30°)	-3.21/-2.59	-1.44/-1.05	-0.81/-0.65	-0.44/-0.23	0.39/-0.52	0.42/-0.03	-0.32/-0.74	-1.31/-1.87	-2.07/-2.26	-2.39/-2.51	-2.61/-2.38	-2.15/-2.23	-2.47/-2.56	-2.25/-1.81	-1.82/-2.01	-2.18/-2.32	-2.59/-2.5	-3.55/-5.89	-6.81/-6.31	-5.69/-5.5	-6.33/-6.46	-6.24/-5.64	-4.68/-3.21	-4.68/-3.21	
Θ (37.5°)	-2.73/-2	-1.04/-1.3	-0.81/-0.73	-0.11/-0.93	-0.75/-0.21	-0.14/-0.21	-0.33/-0.62	-0.29/-1.38	-1.65/-1.79	-1.51/-1.77	-2.48/-3.08</														



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

Appendix B

Θ(22.5°)	-3.21/4.08	-5.94/6.86	-7.2/6.97	-7.33/7.36	-6.55/6.03	-5.71/4.99	-3.73/2.66	-2.55/2.77	-2.79/2.67	-3.1/3.87	-4.41/4.47	-5.5/5.93	-6.9/7.27	-6.1/5.22	-5.62/6.07	-6.77/7.22	-7.4/6.56	-4.85/4.38	-4.2/4.3	-4.39/4.36	-4.36/4.27	-4.89/6.05	-6.43/4.84	-4.06/3.07
Θ(30°)	-5.46/-5.88	-6.14/-6.62	-6.14/-5.81	-6.12/-6.35	-6.61/-7.35	-7.71/-7.03	-6.3/5.44	-4.19/-3.37	-2.71/-2.89	-3.31/-3.88	-4.17/-4.52	-4.77/-5.57	-7.45/-8.84	-10.06/-9.59	-8.41/-8.15	-7.4/-6.68	-5.84/-4.1	-3.13/-3.09	-3.73/-4.57	-4.25/-3.28	-3.32/-3.99	-3.69/-4.17	-5.28/-7.2	-7.75/-5.24
Θ(142.5°)	-4.91/-4.58	-4.22/-4.16	-4.44/-6.7	-5.71/-7.72	-8.11/-8.02	-7.33/-7.02	-6.49/-5.42	-4.25/-3.05	-2.11/-2.36	-2.08/-2.26	-2.72/-3.11	-2.9/3.55	-5.17/-7.63	-7.9/-7.41	-6.19/-4.33	-6.37/-6.48	-6.13/-5.31	-4.65/-3.61	-3.55/-4.3	-5.64/-4.62	-3.73/-3.43	-4.53/-3.42	-5.05/-6.79	-6.23/-5.86
Θ(45°)	-5.72/-5.58	-4.69/-5.03	-5.36/-6.71	-6.68/-5.46	-6.3/-8.02	-8.06/-7.18	-7.37/-6.34	-5.52/-5.15	-4.53/-4.28	-4.65/-3.93	-3.54/-3.71	-3.48/-3.52	-5.17/-6.89	-6.27/-6.1	-6.92/-6.19	-5.29/-4.79	-6.19/-5.71	-5.79/-4.53	-6.15/-4.59	-4.32/-5.24	-5.58/-4.83	-4.97/-3.91	-4.14/-3.08	-3.43/-3.62
Θ(52.5°)	-1.27/-3.59	-4.29/-3.98	-4.83/-5.38	-6.02/-6.21	-6.12/-5.98	-6.51/-5.14	-4.28/-5.06	-6.44/-6.85	-5.77/-6.7	-5.67/-3.89	-3.29/-3.61	-5.38/-5.26	-6.87/-6.38	-4.05/-3.4	-5.89/-6.36	-5.77/-3.17	-2.79/-4.83	-5.44/-4.6	-2.77/-2.99	-4.44/-3.92	-1.71/-1.69	-2.26/-2.63	-0.49/-0.26	-0.69/-0.71
Θ(60°)	-3.02/-4.48	-5.24/-4.85	-4.81/-3.83	-3.75/-2.6	-4.48/-2.92	-4.36/-7.19	-5.66/-5.37	-5.56/-4.92	-5.78/-5.55	-7.21/-4.24	-3.07/-1.35	-2.31/-1.48	-1.96/-3.23	-2.07/-1.96	-2.21/-4.81	-4.27/-2.01	-1.79/-2.32	-1.83/-2.73	-2.89/-0.83	-2.29/-1.67	-0.16/-0.52	-0.3/-1.07	-0.38/-1.67	-2.84/-2.71
Θ(67.5°)	-2.93/-3.45	-3.34/-3.87	-4.15/-4.07	-5.1/-5.27	-4.22/-5.64	-8.73/-10.62	-10.34/-7.87	-5.92/-3.49	-5.04/-8.52	-6.97/-4.28	-4.36/-3.62	-3.65/-3.32	-2.73/-1.1	-1.15/-1.63	-0.93/-2.41	-4.21/-4.14	-2.89/-1.47	-0.96/-2.54	-1.73/-2.56	0.1/-0.51	0.22/-1.17	-2.39/-1.69	0.020/0.39	-1.45/-2.58
Θ(75°)	-3.3/-4.4	-3.68/-3.18	-4.05/-5.24	-6.54/-5.62	-6.31/-8.01	-7.26/-4.2	-4.31/-4.3	-4.09/-5.87	-4.86/-5.3	-6.4/8	-3.56/-2.22	-1.96/-2.97	-4.27/-3.53	-2.46/-2.12	-1.07/-2.31	-1.56/-1.29	-1.19/-0.66	-1.11/-1.79	-1.47/-0.9	0.97/0.73	1.52/0.61	-0.04/-1.38	0/0.26	-2.57/-1.66
Θ(82.5°)	-2.32/-3.88	-3.79/-2.04	-2.38/-5.12	-6.25/-4.23	-5.24/-5.63	-5.4/-5.56	-7.94/-6.78	-3.7/-6.01	-4.01/-3.6	-7.53/-5.66	-3.38/-3.61	-3.29/-4.01	-1.97/-2.13	-0.66/-0.22	-0.54/-0.15	-1.62/-2.11	-0.22/-1.75	-1/-1.48	-1.27/0.43	1.43/1.83	1.94/0.03	0.38/-1.26	0.97/1.15	-1.34/-1.21
Θ(90°)	-1.36/-2.04	-2.22/-2.3	-0.75/-2.18	-4.93/-6.73	-7.37/-3.72	-4.42/-7.54	-9.63/-8.25	-5.41/-7.15	-6.83/-4.92	-4.53/-3.75	-2.27/-4.17	-2.79/-4.31	-1.7/-0.93	-0.22/-1.33	-0.87/0.94	-1.84/-2.65	-0.6/-0.13	0.29/-1.1	-3.96/-0.45	1.01/-0.01	0.46/-1.01	0.22/0.03	-0.42/0.19	-2/-1.67
Θ(97.5°)	-2.59/-2.55	-1.88/-2.32	-1.98/-2.65	-4.66/-6.94	-8.89/-5.65	-3.07/-5.69	-8.01/-6.78	-8.51/-9.19	-7.1/-6.38	-4.17/-3.67	-3.43/-2.71	-1.65/-3.12	-1.37/-2.01	-1.26/-3.35	-0.84/-0.56	-2.06/-4.75	-1.75/-0.99	-0.67/-0.23	-1.31/0.96	1.66/-1.26	0.92/-1.84	0.72/0.33	-0.04/-0.18	-1.81/-2.34
Θ(105°)	-2.03/-4.74	-3.6/-5.24	-3.82/-4.4	-5.95/-6.02	-4.13/-5.74	-7.19/-7.35	-4.13/-5.74	-7.39/-9.76	-10.28/-8.87	-5.44/-4.26	-3.93/-6.88	-4.68/-3.95	-1.87/-2.97	-2.02/-2.6	-1.77/-3.57	-2.38/-2.22	-2.47/-1.34	-1/-1.63	-1.44/-0.13	0.61/1.69	0.31/-3.63	2.73/-0.32	1.06/-0.76	-1.12/-1.7
Θ(112.5°)	-2.95/-5.13	-3.28/-5.02	-4.56/-6.08	-9.18/-7.39	-5.79/-7.15	-6.66/-7.49	-9.47/-10.08	-7.57/-6.17	-5.92/-7	-6.71/-4.54	-4.63/-5.62	-4.05/-4.47	-2.94/-2.17	-2.63/-4.95	-2.33/-1.87	-4.78/-2.14	-2.75/-2.77	-0.58/-1.47	-2.77/-0.7	0.51/0.66	-0.38/-3.29	-1.51/0.7	-1.25/-3.82	-2.04/-4.81
Θ(120°)	-1.35/-4.15	-3.43/-3.75	-6.05/-6.13	-7.76/-7.76	-4.79/-3.91	-6.77/-8.51	-9.37/-6.98	-8.67/-6.16	-6.53/-7.27	-6.87/-6.98	-7.89/-7.5	-8.15/-7.91	-5.49/-4.41	-3.99/-4.59	-1.03/0.12	-4.62/0.34	-0.57/-3.76	0.08/-1.05	-1.64/-0.68	0.06/-1.04	-0.65/-5.73	-4.53/-0.37	-0.88/-3.29	-1.27/-5.4
Θ(127.5°)	-4.5/-4.47	-4.47/-4.12	-7.13/-7.11	-5.9/-5.24	-6.26/-6.44	-7.4/-10.7	-8.37/-5.91	-4.8/-4.41	-5.92/-5.56	-6.28/-7.37	-6.57/-5.33	-6.29/-6.17	-5.44/-4.48	-2.11/-4.14	-1.09/-1.75	-2.32/-1.57	-4.15/-4.43	-0.13/-0.09	-2.31/-3.17	-3.49/-2.89	-4.19/-8.79	-6.09/-3.09	-2.43/-5.63	-2.99/-4.21
Θ(135°)	-4.06/-5.84	-7.85/-7.76	-6.75/-6.93	-9.13/-9.29	-7.71/-6.97	-7.18/-7.94	-7.9/-6.94	-5.45/-4.39	-5.43/-6.71	-5.73/-4.73	-4.66/-3.87	-5.21/-5.54	-4.56/-2.91	-1.78/-2.49	-1.96/-3.16	-2.97/-4.5	-7.39/-4.79	-1.8/-0.45	-2.3/-4.53	-4.64/-5.05	-5.54/-4.88	-6.01/-3.75	-5.22/-5.07	-4.46/-4.03
Θ(142.5°)	-5.43/-6.13	-7.09/-7.4	-7.88/-8.1	-7.89/-8	-8.78/-10.8	-7.49/-5.72	-3.85/-4.58	-5.33/-5.39	-4.08/-4.41	-3.93/-4.58	-4.13/-4.34	-3.83/-3.78	-1.98/-2.21	-3.33/-4.04	-5.1/-6.06	-4.44/-5.24	-2.23/-3.06	-5.66/-7	-4.08/-3.67	-5.95/-5.22	-6.27/-5.37	-4.3/-4.47	-5.89/-5.4	
Θ(150°)	-4.87/-4.52	-4.64/-5.77	-5.76/-6.52	-7.37/-4.8	-7.19/-4.96	-9.27/-10.49	-10.97/-9.13	-4.71/-8.9	-5.57/-3.67	-3.2/-96	-3.61/-3.93	-3.65/-3.36	-3.22/-3.42	-3.44/-4.18	-5.2/-5.74	-6.97/-8.98	-7.47/-5.48	-4.04/-2.78	-4.41/-7.24	-7.69/-5.55	-6.07/-6.72	-5.77/-3.52	-2.98/-1.57	-5.74/-69
Θ(157.5°)	-3.28/-4.29	-4.28/-4.36	-4.53/-5.61	-6.95/-8.79	-10.28/-11.83	-12.07/-12.21	-11.7/-12.26	-11.86/-10.91	-8.2/-5.97	-4.14/-3.47	-4/-5.39	-6.99/-7.38	-7.17/-7.65	-6.54/-5.35	-4.54/-5.15	-7.21/-8.42	-7.54/-6.1	-5.34/-5.24	-6.6/-7.45	-6.35/-6.37	-7.06/-6.62	-5.8/-5.56	-5.39/-5.32	-4.16/-3.01
Θ(165°)	-4.09/-3.6	-3.97/-4.2	-5.12/-5.64	-7.65/-7.91	-9.06/-11.16	-12.12/-12.4	-10.91/-10.7	-10.61/-10.3	-9.68/-8.63	-7.96/-8.04	-7.89/-8.29	-8.29/-8.25	-6.79/-5.74	-4.58/-4.1	-3.59/-3.84	-3.93/-4.28	-4.43/-4.29	-4.24/-4.98	-6.7/-7.77	-8.96/-8.33	-8.01/-6.69	-5.6/-5.68	-5.76/-5.81	-5.54/-7.8
Θ(172.5°)	-10.78/-11.82	-11.6/-10.24	-8.1/-6.64	-6.69/-7.43	-8.41/-9.2	-8.72/-10.01	-9.88/-9.37	-8.54/-8.21	-7.2/-6.3	-5.72/-5.7	-5.64/-6.21	-6.4/-6.23	-5.96/-6.49	-6.85/-6.96	-6.88/-6.4	-5.67/-5.23	-4.52/-3.87	-3.91/-4.44	-5.79/-7.25	-8.93/-8.6	-8.07/-7.47	-6.79/-7.27	-7.85/-8.13	-8.94/-9.42
Θ(180°)	-6.4/-5.76	-5.76/-5.27	-5.6/-5.71	-6.87/-7.27	-7.62/-8.01	-8.53/-9.12	-8.98/-8.73	-8.96/-9.54	-9.39/-9.71	-9.08/-8.44	-7.49/-6.61	-5.98/-5.48	-5.44/-5.74	-6.04/-6.03	-5.76/-5.68	-6.14/-6.72	-7.51/-8.41	-9.68/-11.43	-12.35/-12.57	-12.46/-12.25	-10.46/-8.88	-8.08/-7.97	-8.99/-8.98	-8.99/-8.45
Freq(Hz)	6.995GPol.	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°)	-2.82/-3.3	-2.82/-2.86	-2.78/-3.35	-3.71/-3.47	-4.7/-4.88	-5.5/-6.72	-7.66/-7.67	-8.85/-10.52	-10.86/-10.06	-8.79/-7.43	-6.45/-5.95	-5.34/-5.05	-4.61/-4.53	-4.32/-4.45	-4.58/-4.76	-4.48/-4.62	-5.12/-5.71	-6.93/-7.86	-8.2/-8.04	-7.55/-6.18	-8.38/-8.19	-7.06/-5.75	-4.48/-3.7	-3.27/-3.05
Θ(7.5°)	-4.42/-4.68	-5.46/-4.45	-4.57/-4.11	-4.4/-2.6	-4.68/-4.73	-5.03/-5.21	-5.59/-5.93	-6.21/-6.69	-7.26/-6.88	-6.22/-6.23	-2.89/-2.41	-6.23/-2.42	-2.91/-2.93	-2.92/-3.05	-3.5/-3.73	-4.23/-4.94	-6.32/-8.33	-7.22/-11.6	-12.37/-11.86	-9.96/-8.13	-6.51/-5.59	-4.97/-4.85		
Θ(15°)	-5.09/-4.51	-4.01/-3.39	-3.61/-3.98	-4.16/-4.22	-5.14/-5.03	-5.64/-5.76	-5.84/-5.55	-5.48/-5.2	-5.04/-5.53	-5.98/-5.65	-4.64/-3.6	-2.82/-2.34	-2.19/-2.59	-2.62/-2.94	-2.59/-2.93	-3.3/-3.44	-3.43/-3.47	-4.1/-4.92	-5.69/-6.56	-7.08/-7.67	-8.36/-7.75	-6.57/-5.95	-6.21/-5.44	-5.68/-5.35
Θ(22.5°)	-4.59/-3.8	-4/-3.51	-2.95/-2.52	-2.78/-3.09	-3.45/-2.92	-2.86/-3.12	-3.61/-3.52	-3.58/-3.84	-4.33/-5.12	-6.35/-6.42	-5.94/-5.82	-5.07/-3.9	-2.96/-2.93	-3.14/-3.2	-3.23/-3.23	-3.24/-3.43	-2.88/-2.5	-3.09/-4.18	-4.72/-5.61	-6.4/-6.75	-6.9/-6.67	-5.18/-4.99	-5.45/-6.2	-6.67/-5.84
Θ(30°)	-3.78/-3.43	-2.56/-2.23	-2.21/-2.67	-2.44/-2.06	-1.71/-2.05	-2.56/-2.24	-1.75/-1.67	-1.94/-2.29	-2.72/-3.29	-4.28/-4.52	-6.38/-5.44	-5.04/-3.88	-2.88/-2.45	-1.74/-1.1	-0.54/-0.73	-0.85/-1.06	-1.08/-1.28	-2.31/-3.93	-4.14/-4.48	-5.46/-5.55	-5.31/-5.07	-3.94/-4.48	-4.63/-3.71	-2.64/-3.11
Θ(37.5°)	-1.23/-2.16	-2.18/-1.29	-0.5/-0.03	-0.28/-0.54	-1.02/-1.45	-1.32/-0.96	0.23/0.75	-0.24/-1.69	-2.37/-3.26	-5.01/-5.96	-5.06/-3.84	-3.87/-4.12	-3.91/-3.27	-1.65/-0.26	0.43/-1.47	-2.82/-2.67	-1.6/-1.62	-3.18/-3.07	-3.75/-3.64	-2.68/-2.71	-3.46/-4.29	-3.7/-4.01	-2.36/-1.69	-1.52/-0.7
Θ(45°)	-2.12/-2	-1.8/-0.78	0.44/0.43	-0.03/-0.18	0.21/0.18	0.55/0.64	0.5/-0.34	-1.32/-2.69	-3.94/-4.9	-4.62/-5.38	-3.83/-3.27	-2.47/-3.04	-3.46/-4.44	-3.51/-2.92	-3.31/-3.57	-1.15/0.64	0.77/-1.16	-2.96/-1.58	0.27/0.82	-0.52/-1.19	-1.5/-2.42	-4.17/-4.79	-4.2/-2.81	-1.09/-1.41
Θ(52.5°)	-2.38/-1.95	-1.02/0.21	0.72/0.42	0.22/0.14	0.32/0.16	-0.99/0.53	1.98/0.25	0.5/-2.04	-2.47/-2.38	-4.34/-4.3	-3.07/-3.41	-1.65/-0.64	-0.47/-1.24	-2.02/-3.1	-2.67/-1.14	-1.27/-0.55	0.07/0.51	0.54/-0.38	-1.67/-0.96	-0.07/-1.18	-1.69/-1.66	-3.71/-4.86	-4.83/-5.09	-4.01/-2.43
Θ(60°)	-0.1/-0	-0.37/-1.02	-0.63/-0.04	-1.14/-0.82	-0.81/-0.3	0.37/0.36	-0.03/0.03	0.95/0.6	-0.49/-1.63	-2.73/-4.18	-2.89/-1.72	-1.33/-0.36	-0.04/0.05	-0.51/0.02	0.38/-0.24	-2.66/-1.43	0.15/-0.29	-1.21/-1.56	-1.94/-0.15	-0.47/-3.18	-3.47/-2.47	-2.63/-1.29	-2.52/-4.35	-3.02/-1.03
Θ(67.5°)	-1.79/-3.04	-2.51/-1.1	-0.84/-1.59	-1.51/-1.28	0.08/0.21	0.51/0.96	2.67/-1.23	0.21/-1.64	-0.08/-2.5	-1.51/-1.45	-3.52/-2.8	-1.79/-1.37	-1.33/-0.27	0.37/0.77	1.57/0.72	-1.56/0.3	1.71/0.07	-2.22/-3.69	-2.6/-1.77	-4.99/-2.62	-1.07/-2.53	-3.55/-3.68	-3.2/-3.21	
Θ(75°)	-3.33/-3.72	-4.12/-3.96	-2.82/-4.41	-0.86/-0.22	-0.02/-0.77	-0.59/0.24	-0.03/0.6	0.47/-1.18	-1.39/-1.94	-2.30/-0.98	-1.49/-3.66	-3.36/-4	-2.42/-3.13	0.23/0.55	1.50/-46	-1.02/0.1	-0.54/-0.18	-1.22/-5.16	-2.7/-1.09	-2.02/-3.4	-8.19/-6.63	-3.22/-4.49	-5.19/-6.74	-3.96/-3.02
Θ(82.5°)	-1.69/-1.23	-2.05/-0.18	1.04/-0.32	-0.15/0.03	0.46/-1.01	-0.97/-0.81	0.34/0.7	0.41/-0.42	-1.23/-0.44	-1.44/-2.18	-3.98/-5.08	-4.56/-4.81	-4.82/-5.42	-4.01/-2.28	0.25/-1.18	-1								



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

Appendix B

Θ(45°)	-3.39/-3.99	-4.36/-3.89	-3.71/-3.12	-2.52/-3.49	-4.2/-3.88	-3.5/-2.91	-2.67/-1.93	-1.2/-0.65	-1.27/-2.16	-1.09/-0.39	-1.49/-1.97	-0.88/-0.75	-1.69/-1.45	-0.64/-1.66	-4.62/-5.47	-5.5/-3.97	-3.49/-5.18	-7.63/-5.15	-5.69/-5.9	-4.89/-3.64	-5.66/-6.89	-7.11/-8.1	-8.98/-8.5	-7.27/-4.46
Θ(52°)	-4.58/-4.4	-3.49/-3.13	-3.19/-4	-4.68/-4.34	-4.2/-3.5	-2.14/-2.19	-2.07/-1.98	-1.15/-0.48	-0.55/-0.55	-0.40/-46	-0.23/-2.47	-1.19/-1.16	-2.13/-0.44	0.53/0.28	-1.67/-3.09	-2.89/-1.55	-1.31/-2.38	-6.56/-7.73	-5.86/-5.07	-3.96/-6.63	-5.84/-5.44	-6.98/-8.73	-8.54/-8.32	-5.59/-4.36
Θ(60°)	-1.22/-2.06	-2.67/-1.88	-2.69/-3.07	-3.28/-3.82	-4.42/-2.79	-1.01/-1.15	-2.39/-2.41	-2.35/-2.26	-1.48/0.02	0.49/-0.99	-0.23/-0.63	-1.01/0.01	-2.06/-0.72	0.63/-0.35	-1.35/-2.14	-2.59/-1.95	-1.96/-2.42	-3.25/-6.75	-6.47/-4.43	-5.37/-7.71	-8.83/-6.93	-7.12/-6.12	-8.79/-5.25	-1.91/-2.25
Θ(67.5°)	-5.32/-3.1	-3.43/-2.65	-1.91/-3.05	-3.67/-5.58	-4.43/-1.85	-0.49/-0.26	-1.27/-1.81	-2.34/-1.88	-0.93/0.14	1.01/-0.09	-0.33/0.7	-0.54/0.64	-0.29/-0.32	0.87/0.49	-0.58/-2.14	-4.35/-3.75	-2.54/-1.61	-2.74/-6.2	-6.26/-6.86	-4.02/-7.42	-6.92/-3.73	-3.69/-4.01	-4.38/-4.36	-4.65/-5.26
Θ(75°)	-6.48/-4.65	-3.36/-2.04	-1.86/-1.82	-2.34/-3.05	-3.21/-1.35	-0.61/-0.35	-0.39/-0.83	-0.95/-0.6	0.18/0.27	0.67/1.08	0.99/1.14	0.47/0.47	0.87/1.07	1.29/1.65	0.57/-1.67	-5.97/-6.78	-5.93/-7.77	-3.02/-8.23	-4.74/-5.23	-2.74/-6.14	-6.36/-6.13	-3.99/-4.25	-6.65/-6.69	-6.59/-4.42
Θ(82.5°)	-5.45/-5.01	-3.36/-3.21	-2.79/-3.17	-4.97/-5.55	-3.72/-1.03	-0.11/-0.02	-0.05/-1.18	-2.54/-0.32	0.03/-0.28	1.34/-1.46	0.04/0.18	-0.43/0.1	0.73/0.97	1.09/0.36	0.11/-0.23	-6.48/-6.37	-1.47/-2.05	-3.76/-6.61	-4.29/-3.56	-0.82/-4.93	-3.48/-6.39	-5.52/-7.14	-11.58/-10.74	-9.25/-4.4
Θ(90°)	-7.02/-4.5	-2.89/-3.27	-4.26/-5.03	-4.67/-3.41	-1.97/-0.06	0.1/-0.6	-0.87/-1.09	-1.57/-0.21	-0.82/-1.6	0.13/0.9	0.1/0.9	0.44/0.42	-0.18/-0.71	-0.24/-1.8	-0.43/-0.42	-5.05/-3.74	-1.26/-2.04	-2.57/-5.29	-6.64/-2.34	-1.32/-6.39	-3.25/-4.56	-5.26/-3.87	-9.63/-7.7	-7.09/-6.88
Θ(97.5°)	-7.5/-5.31	-4.54/-5.93	-6.54/-6.19	-4.13/-1.92	-1.15/-0.03	0.17/-0.6	-0.47/-1.1	-1.43/-0.89	-1.04/-1.49	-0.31/-0.14	0.31/-15	0.47/0.28	-0.24/-0.96	-0.47/-1.84	-0.06/-0.68	-6.93/-3.91	-1.41/-1.4	-2.08/-1.2	-2.78/-0.02	-2.13/-5.83	-2.46/-7.69	-7.24/-5.35	-9.3/-8.2	-8.29/-5.49
Θ(105°)	-6.85/-5.05	-3.95/-6.5	-6.34/-4.84	-4.2/-2.8	-2.12/-1.17	-0.73/-0.78	-0.63/-0.77	-0.57/-0.31	-0.05/-0.71	-0.75/-0.41	0.23/-1.19	0.38/0.03	-0.76/-1.64	-1.38/-1.79	-0.45/-2.34	-7.52/-4.33	-3.5/-3.27	-3.59/-3.81	0.11/0.62	-1.68/-5.07	-3.37/-6.2	-8.78/-4.03	-8.33/-6.83	-5.73/-4.04
Θ(112.5°)	-7.38/-6.84	-5.48/-4.26	-2.43/-2.53	-2.08/-1.98	-2.41/-3.34	-3.43/-3.77	-2/-1.07	-0.45/-0.73	-0.47/-2.37	-3.6/-1.5	-0.95/-0.74	-1.48/0.13	-0.02/0.04	-0.93/-1.57	-1.59/-4.56	-4.33/-2.38	-2.52/-2.77	-5.72/-5.35	-0.62/-1.43	-2.59/-5.22	-2.85/-5.31	-11.03/-3.96	-7.24/-6.45	-4.94/-4.94
Θ(120°)	-5.57/-5.08	-2.89/-3.49	-3.55/-2.5	-1.66/-2.28	-3.66/-4.03	-4.16/-4.44	-2.41/-0.38	-0.22/-1.7	-2.83/-3.36	-2.73/-2.77	-2.14/-2.09	-2.04/-2.1	-2.02/-0.48	-0.13/-0.25	0.61/-0.68	-1.92/-1.98	-2.14/-1.67	-1.75/-3.91	-0.34/0.61	-1.4/-1.05	-3.43/-5.08	-8.87/-5.47	-4.28/-6.24	-6.96/-8.7
Θ(127.5°)	-6.24/-6.04	-5.09/-3.82	-3.01/-2.59	-3.19/-4.48	-6.27/-8.62	-6.65/-4.06	-2.57/-1.77	-2.04/-2.4	-2.12/-1.57	-1.43/-0.94	-0.94/-1.34	-1.33/-1.08	-0.76/0.28	0.87/0.71	0.06/-0.77	-2.26/-1.79	-5.21/-7.53	-9.9/-7.77	-1.35/0.79	-2.44/-1.14	-4.18/-4.57	-7.66/-7.01	-5.24/-6.61	-4.69/-4.81
Θ(135°)	-5.68/-5.56	-5.48/-4.83	-5.25/-5.91	-5.95/-6.22	-8.2/-10.54	-8.27/-4.73	-2.97/-2.96	-2.39/-1.65	-0.81/0.27	0.46/-0.05	-0.15/0.15	-0.12/-0.81	-0.68/-0.55	-1/-1.59	-0.29/-1.23	-1.79/-3.04	-4.03/-8.41	-7.81/-6.33	-3.67/-0.05	-1.2/-1.66	-6.88/-11.74	-3.92/-2.21	-3.82/-7	-5.96/-5.41
Θ(142.5°)	-5.87/-6.05	-5.92/-7.88	-7.69/-7.26	-7.18/-8.73	-7.58/-8.46	-6.57/-4.04	-3.19/-2.99	-1.85/-0.71	-0.49/-1.56	-2.69/-2.98	-2.4/-1.8	-1.96/-2.46	-3.11/-3.15	-4.6/-3.55	-2.99/-2.44	-1.81/-4.53	-6.47/-4.22	-4.09/-3.56	-1.03/0.2	-1.74/-3.52	-8.75/-6.25	-6.36/-7.5	-5.51/-3.2	-3.4/-3.9
Θ(150°)	-7.75/-8.3	-8.13/-7.89	-8.48/-9.15	-9.31/-8.94	-8.87/-10.57	-11.23/-10.35	-8.75/-7.55	-5.59/-3.91	-2.88/-1.91	-1.04/-0.59	-0.91/-1.68	-2.4/-2.36	-2.41/-3.22	-3.35/-2.8	-3.56/-4.49	-6.11/-6.06	-1.66/-1.97	-5.4/-5	-4.49/-2.48	-1.46/-3.2	-6.49/-10.49	-9.28/-6.16	-4.95/-4.48	-5.98/-7.1
Θ(157.5°)	-10.09/-10.04	-10.12/-10.24	-8.96/-10.44	-11.16/-9.85	-8.16/-8.04	-8.88/-9.82	-9.83/-9.39	-8.24/-5.87	-4.08/-2.86	-1.45/-0.03	0.95/1.61	1.71/1.03	-0.47/-2.5	-3.3/-4.18	-5.48/-6.24	-6.04/-6.22	-8.54/-9.65	-8.27/-6.6	-4.32/-2.07	-1.37/-2.97	-5.72/-7.42	-8.3/-8.33	-7.67/-7.33	-8.81/-10.34
Θ(165°)	-4.84/-3.98	-3.85/-4.81	-6.09/-6.76	-7.44/-7.15	-7.81/-9.43	-11.12/-11.92	-11.32/-10.96	-9.32/-7.66	-6.37/-5.82	-5.45/-5.03	-6.88/-2.59	-1.61/-1.41	-1.55/-1.6	-1.74/-1.92	-1.93/-2.37	-3.52/-5.34	-6.9/-7.64	-7.15/-8.78	-6.08/-4.72	-3.97/-6.62	-4.49/-4.66	-8.28/-10.02	-10.55/-10.4	-7.99/-5.25
Θ(172.5°)	-10.09/-9.36	-8.49/-7.19	-7.13/-7.5	-7.95/-8	-8.54/-9.08	-10.36/-10.71	-10.29/-10.44	-8.75/-9.53	-9.26/-9.23	-8.94/-7.65	-6.55/-5.23	-4.39/-3.83	-3.53/-3.42	-4.76/-5.1	-6.39/-5.57	-6.13/-6.56	-7/-6.26	-5.6/-5.53	-5.61/-6.15	-6.83/-7.97	-9.6/-11.38	-12.53/-11.55	-10.68/-11.17	
Θ(180°)	-9.2/-7.69	-5.69/-5.01	-4.94/-5.65	-6.77/-7.53	-8.73/-8.38	-8.84/-9.36	-10.29/-8.85	-10.87/-9.28	-9.35/-9.16	-8.91/-8.72	-7.29/-6	-4.23/-4.34	-4.43/-4.72	-5.08/-5.67	-6.23/-6.4	-6.73/-7.49	-7.8/-7.97	-8.15/-8.48	-9.28/-9.66	-10.43/-11.12	-10.52/-11.36	-12.38/-11.84	-11.37/-10.42	
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°)	-6.98/-7.49	-6.79/-6.58	-6.69/-6.95	-7.44/-7.06	-7.22/-7.46	-7.61/-8.05	-8.36/-8.03	-7.9/-8.14	-7.93/-7.35	-7.1/-7	-6.56/-6.08	-5.65/-5.28	-5.19/-5.09	-5.29/-5.69	-5.93/-6.63	-7.03/-7.74	-7.69/-7.96	-8.65/-9.37	-9.3/-9.71	-8.93/-8.56	-8.59/-9.12	-8.54/-7.64	-7.18/-7.14	-7.5/-7.36
Θ(7.5°)	-3.84/-4.5	-5.15/-5.67	-5.96/-6.81	-7.31/-7.37	-7.9/-8.84	-8.71/-8.59	-8.36/-7.66	-7.91/-8.17	-8.24/-8.55	-8.75/-9.08	-9.09/-8.97	-8.67/-8.83	-9.11/-8.72	-7.8/-7.24	-5.6/-5.3	-6.23/-6.11	-5.35/-5.27	-5.67/-6.03	-5.9/-5.37	-5.3/-5.17	-5.35/-5.33	-5.21/-5.02	-4.63/-4.1	-3.66/-3.75
Θ(15°)	-3.88/-4.1	-4.61/-5.02	-4.15/-3.46	-3.81/-3.93	-4.46/-5.72	-5.88/-6.19	-6.86/-6.88	-6.62/-6.57	-7.03/-8.01	-9.24/-9.75	-9.42/-8.48	-7.91/-7.44	-6.92/-5.98	-5.02/-4.43	-3.63/-3.13	-2.26/-1.85	-1.82/-1.91	-2.09/-2.33	-2.71/-3.47	-3.77/-3.78	-3.79/-3.97	-3.78/-3.78	-3.68/-3.31	-2.99/-3.44
Θ(22.5°)	-4.71/-4.71	-4.31/-3.95	-3.1/-2.43	-2.99/-4.16	-4.83/-5.7	-6.74/-7.12	-6.95/-6.63	-7.03/-7.12	-6.68/-6.37	-6.54/-7.72	-8.18/-7.66	-6.99/-5.85	-4.45/-3.47	-2.73/-2.05	-1/-0.22	-0.4/-0.86	-1.09/-1.69	-2.59/-3.24	-3.74/-4.66	-5.29/-5.45	-5.01/-4.66	-3.86/-3.61	-3.37/-3.34	-3.18/-3.63
Θ(30°)	-2.89/-2.46	-1.52/-1.51	-2.53/-3.67	-4.18/-4.23	-3.79/-3.85	-3.71/-3.98	-3.92/-4.18	-4.54/-5.19	-7.1/-3.9	-6.98/-6.46	-5.72/-4.06	-2.83/-2.16	-1.74/-1.32	-0.70/-5.03	0.05/0.01	-0.16/-0.45	-0.76/-0.59	-1.38/-3.43	-5.07/-5.03	-5/-5.16	-5.45/-4.83	-4.11/-3.59	-3.1/-2.21	-1.65/-1.96
Θ(37.5°)	-2.94/-3.72	-3.55/-4.72	-6.42/-7.68	-8.23/-7.51	-5.63/-4.14	-3.29/-3.1	-2.81/-3.58	-4.4/-5.34	-5.89/-6.69	-5.7/-4.54	-4.4/-3.96	-2.44/-1.47	-1.38/-0.65	0.87/1.86	1.82/1.83	1.36/0.16	-0.37/-0.26	-0.54/-0.43	-1.05/-1.91	-1.98/-2.16	-2.69/-2.59	-2.75/-2.83	-2.07/-1.55	-0.84/-1.52
Θ(45°)	-4.72/-6.26	-5.7/-5.26	-4.18/-6.56	-7.29/-5.69	-4.02/-3.65	-4.16/-4.41	-3.91/-3.18	-3.19/-3.36	-3.4/-3.89	-5.2/-6.4	-6.86/-6.35	-4.45/-3.72	-2.85/-0.72	0.89/1.69	1.53/-1.29	1.41/1.23	2.18/-2.57	2.41/-1.12	-0.68/-0.76	0.24/0.32	-1.07/-3.08	-3.39/-3.06	-3.41/-3.59	-6.2/-2.97
Θ(52.5°)	-2.78/-3.92	-4.15/-3.26	-1.32/-3.42	-5.66/-4.94	-2.84/-2.31	-2.84/-3.74	-3.55/-3.06	-2.12/-2.09	-2.77/-4.06	-5.62/-5.66	-3.24/-4.37	-0.60/-4.28	-5.15/-2.46	0.89/0.04	-0.71/0.37	1.85/1.39	4.15/3.93	3.53/0.55	2.41/-1.95	1.46/-0.61	-2.61/-2.45	-2.51/-4.02	-3.97/-3.18	-2.93/-2.51
Θ(60°)	-2.78/-4.53	-2.84/-2.54	-1.33/-2.63	-4.23/-4.01	-3.96/-2.97	-2.8/-3.15	-1.64/-1.24	-2.99/-2.98	-3.18/-3.16	-5.48/-4.78	-5.77/-5.68	-5.43/-4.34	-5.68/-4.85	-2.11/-0.39	0.07/1.06	2.79/3.76	3.92/3.52	3.76/2.88	1.26/1.31	0.71/-1.64	-2.04/-0.3	-1.31/-1.66	-3.24/-3.91	-2.73/-2.22
Θ(67.5°)	-2.06/-2.72	-3.72/-4.67	-4.48/-3.13	-2.37/-3.06	-3.42/-3.68	-3.46/-3.32	-2.75/-2.06	-2.18/-2.14	-4.09/-2.54	-2.49/-3.02	-4.45/-4.08	-4.33/-3.91	-4.15/-5.65	-2.4/-0.71	-0.02/0.2	0.882/1.7	3.96/3.39	2.18/-0.99	-0.85/-0.55	-1.16/-3.44	-1.87/-3	-2.2/-3.6	-3.24/-2.64	-1.02/-1.38
Θ(75°)	-2.31/-2.35	-3.15/-2.18	-2.88/-3.19	-4.04/-1.84	-1.18/-1.8	-2.56/-3.56	-3.88/-4.31	-2.3/-0.51	-2.54/-6.2	-3.85/-4.66	-4.26/-4.49	-4.9/-4.83	-4.96/-4.62	-2.62/-0.61	0.44/-0.03	-0.56/1.77	2.96/1.88	0.1/-1.92	-0.32/-0.4	-2.7/-4.56	-2.02/-1.74	-2.23/-1.96	-3.15/-4.06	-3.64/-1.99
Θ(82.5°)	-3.41/-3.1	-2.77/-2.93	-3.1/-2.4	-1.92/-1.39	-1.66/-2.66	-3.88/-3.63	-3.3/-3.88	-4.69/-1.99	-2.3/-3.29	-2.95/-3.79	-3.95/-4.02	-4.92/-4.97	-5.84/-3.78	-3.7/-0.46	1.01/-0.67	-1.49/0.04	0.54/1.67	-0.98/-7.13	-4.13/-0.85	-0.25/-2.17	-1.84/-1.62	-3.26/-2.73	-2.01/-3.41	-2.86/-2.15
Θ(90°)	-3.45/-3.42	-2.59/-1.58	-2.71/-3.43	-3.61/-2.93	-3.53/-1.78	-1.92/-3.79	-2.99/-4.04	-4.02/-2.73	-2.3/-4.08	-3.92/-4.25	-3.33/-3.06	-4.83/-5.42	-5.41/-2.61	-3.16/-1.71	-0.58/-3.22	-1.55/0.19	1.02/0.91	-0.09/-3.57	-0.71/0.42	0.57/-1.79	-3.22/-0.3	-3.72/-3.33	-4.19/-4.51	-4.15/-1.65
Θ(97.5°)	-5.74/-5.69	-5.23/-5.55	-5.62/-4.04	-3.88/-3.32	-2.97/-1.66	-2.94/-5.11	-5/-6.1	-5.15/-4.52	-2.89/-4.77	-2.86/-4.12	-6.73/-4.05	-4.64/-3.79	-5.12/-2.62	-2.88/-1.61	-0.87/-2.35	-2.71/-4.3	-0.31/-0.75	0.11/-1.8	-0.65/0.44	0.12/-1.26	-1.72/-2.19	-4.98/-4.42	-4.17/-2.8	
Θ(105°)	-6.08/-8.2	-6.22/-5.62	-4.43/-4.86	-3.87/-2.42	-3.65/-2.47	-4.27/-7.17	-7.06/-7.27	-5.47/-5.48	-6.41/-5	-5.07/-6.56	-7.61/-5.11	-6.24/-5.38	-6.71/-5.											



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

Appendix B

Θ(82.5°)	-4.48/-3.57	-3.63/-2.77	-2.73/-3.09	-4.03/-1.47	-0.32/-0.77	-1.21/0.05	-0.52/-0.72	0.26/0.84	0.99/2.06	0.44/0.42	0.59/-0.13	-0.73/-1.52	-0.42/-0.82	0.06/-0.03	-0.9/-2.48	-5.51/-5.62	-5.2/-5.31	-6.3/-9	-5.71/-6.12	-6.56/-8.2	-5.56/-7.74	-5.87/-9.31	-4.65/-6.03	-2.71/-4.96
Θ(90°)	-5.49/-5.65	-5.39/-6.57	-5.74/-4.9	-3.86/-3.99	-2.44/-1.77	-2.86/-1.81	-0.60/-1.3	0.59/-0.67	0.08/0.95	0.67/1.13	1.59/-0.38	0.54/-0.66	1.05/-0.17	0.45/-1.01	-1.09/-1.26	-3.14/-4.76	-5.2/-3.27	-3.06/-7.94	-9.19/-3.01	-1.74/-6.37	-3.92/-5.65	-4.18/-5.55	-10.69/-9.88	-6.47/-5.32
Θ(97.5°)	-1.06/-10.32	-9.3/-6.1	-6.19/-4.62	-4.06/-6.19	-2.13/-2.36	-2.44/-0.77	-0.17/0.78	-0.64/-1.15	-0.11/0.85	0.41/1.35	2.09/-1.1	0.9/-0.38	-0.55/-0.64	-0.26/-1.31	-1.24/-0.79	-3.79/-3.46	-3.59/-7.27	-6.04/-2.91	-0.64/-2.91	-3.52/-4.44	-10.78/-9.94	-7.38/-6.66	-10.76/-11.93	-4.12/-6.32
Θ(105°)	-10/-9.44	7.5/-5.95	-4.08/-2.72	-2.22/-2.34	-2.41/-3.9	-3.4/-2.01	-0.17/-0.07	-1.15/-1.75	-0.95/-0.07	0.57/0.6	0.04/0.36	1.3/-0.39	0.02/-1.9	-1.53/-1.95	-1.96/-2.29	-4.94/-6.04	-4.09/-3.74	-6.02/-6.39	-5.17/-2.85	-2.31/-4.35	-5.18/-8.92	-7.11/-7.96	-6.46/-9.27	-7.42/-7.57
Θ(122.5°)	-8.93/-6.47	-6.27/-4.92	-4.06/-4.17	-3.49/-4.08	-4.06/-4.2	-3.63/-2.94	-1.2/-0.77	-1.07/-1.6	-1.62/-1.3	-1.73/-2.7	-1.9/-0.47	-0.24/-0.93	-0.8/-2.32	-2.23/-2.15	-2.14/-4.14	-7.01/-4.82	-4.63/-5.83	-7.69/-7.36	-4.63/-2.41	-6.31/-5.19	-5.13/-10.6	-8.3/-7.93	-9.63/-9.34	-7.82/-8.67
Θ(120°)	-7.73/-5.31	-4.89/-4.18	-3.18/-3.5	-4.67/-1.03	-6.94/-5.82	-4.71/-3.47	-2.19/-2.05	-2.14/-2.14	-2.9/-4.45	-4.9/-8.7	-4.24/-3.94	-3.19/-3.17	-2.68/-1.66	-1.38/-1.52	-1.26/-1.73	-3.34/-4.83	-4.78/-5.43	-10.7/-5.3	-4.72/-2.58	-5/-5.75	-3.41/-8.88	-8.94/-7.75	-10.47/-6.79	-4.12/-6.43
Θ(127.5°)	-4.82/-6.02	-3.73/-3.62	-4.51/-4.35	-3.81/-5.41	-6.47/-4.44	-3.9/-4.88	-4.48/-2.61	-2.63/-2.74	-3.25/-3.84	-3.28/-4.15	-3.26/-2.17	-1.93/-2.32	-1.71/-1.97	-1.44/-1.4	-0.59/-1.54	-4.48/-6.5	-6.25/-7.26	-10.47/-5.56	-4.98/-2.86	-5.59/-5.43	-3.48/-9.36	-10.19/-10.33	-9.61/-9.44	-5.59/-4.16
Θ(135°)	-6.64/-7.25	-6.57/-6.03	-5.68/-5.55	-7.23/-8.87	-8.05/-7.78	-6.17/-4.87	-3.76/-1.96	-1.58/-1.56	-1.94/-2.56	-2.53/-2.65	-2.57/-2.44	-2.67/-3.7	-3.46/-2.76	-1.43/-0.97	-0.69/-2.54	-4.11/-5.79	-5.75/-9.44	-6.41/-3.73	-2.78/-4.5	-8.94/-10.07	-4.52/-6.4	-8.74/-7.74	-6.45/-8.14	-7.01/-5.92
Θ(142.5°)	-6.79/-8.43	-9.55/-9.26	-7.51/-8.1	-8.36/-8.65	-10.12/-10.36	-6.98/-5.38	-4.66/-4.53	-4.5/-2.89	-2.32/-2.56	-2.28/-1.96	-1.69/-2.27	-4.06/-3.73	-3.54/-2.44	-3.05/-2.86	-3.02/-3.09	-3.68/-4.63	-5.54/-7.3	-1.82/-2.31	-3.9/-4.8	-7.1/-7.69	-4.65/-7.52	-9.82/-10.99	-9.12/-6.15	-5.45/-5.36
Θ(150°)	-8.45/-9.08	7.95/-7.83	-7.86/-8.03	9.36/-10.85	-11.47/-10.71	7.87/-5.91	-5.66/-6.06	4.54/-2.98	-2/-1.89	-2.19/-2.95	-3.39/-3.63	-3.32/-3.58	4.56/-4.76	-6.59/-6.01	-5.9/-6.3	7.31/-7.72	-9.77/-6.12	-2.45/-1.92	4.06/-4.34	-3.95/-4.52	-5.85/-6.91	-6.26/-4.5	-3.41/-4.17	-6.13/-7.74
Θ(157.5°)	-8.93/-8.69	-8.7/-9.38	-8.27/-8.44	-8.92/-8.57	-10.74/-10.83	-8.65/-7.84	-7.51/-7.97	-7.91/-7.13	-6.17/-4.63	-2.94/-2.41	-1.93/-1.84	-1.92/-2.17	-3.23/-4.78	-3.71/-4.32	-6.25/-6	-6.5/-7.18	-7.05/-5.05	-3.59/-3.63	-3.58/-3.36	-2.39/-2.46	-3.55/-5.75	-7.44/-6.64	-6.07/-6.7	-8.55/-8.44
Θ(165°)	-8.06/-7.65	-7.5/-7.43	-7.53/-7.22	-7.56/-7.22	-7.69/-8.28	-8.91/-11.1	-11.41/-10.57	-11.41/-10.83	-9.37/-8.73	-6.54/-7.5	-3.49/-2.99	-2.83/-3.72	-4.42/-4.98	-4.98/-4.46	-3.47/-2.57	-2.75/-3.74	-3.53/-5.94	-5.08/-4.49	-4.89/-4.43	-3.88/-3.59	-4.08/-6.25	-4.66/-10.61	-11.09/-10.41	-9.23/-8.64
Θ(172.5°)	-10.16/-12.17	-11.76/-10.69	-8.64/-8.74	-8.93/-8.87	-8.6/-9.46	-10.87/-11.64	-11.41/-11.01	-10.03/-8.89	-7.8/-6.62	-5.78/-4.69	-4.04/-3.84	-3.79/-3.86	-3.84/-3.84	-3.71/-3.42	-3.13/-3.14	-3.47/-4.4	-5.26/-5.65	-6.48/-6.84	-6.04/-5.54	-5.34/-5.17	-6.24/-7.92	-9.9/-9.63	-8.41/-7.78	-8.08/-8.65
Θ(180°)	-6.69/-6.26	-5.23/-4.95	-4.75/-5	-5.99/-7.33	-7.91/-8.6	-7.96/-7.58	-6.83/-6.38	-6/-5.87	-5.41/-4.83	-4.33/-4.03	-3.89/-3.75	-3.87/-4.04	-4.17/-3.47	-4.49/-4.76	-4.92/-5.3	-5.68/-6.07	-6.47/-6.67	-7.2/-6.9	-6.85/-6.64	-6.8/-6.96	-7.78/-8.5	-9.71/-11.26	-11.57/-11.58	-10.26/-8.05
Freq(Hz)	6.995GPol.	PhN/-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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°)	-7.69/-7.71	-6.65/-6.07	-5.71/-6.62	-5.14/-7.4	-6.46/-7.01	-6.82/-7.99	-8.72/-8.6	-8.97/-9.07	-9.4/-9.41	-9.96/-9.96	-9.72/-9.78	-9.2/-8.72	-8.09/-7.85	-7.22/-7.06	-6.98/-7.27	-6.34/-5.78	-5.49/-5.64	-5.91/-5.99	-6/-6.27	-6.51/-7.28	-7.78/-10.04	-10.87/-10.62	-10.37/-9.34	-8.37/-8.3
Θ(7.5°)	-7.01/-6.89	-6.73/-6.05	-5.54/-5.49	-5.14/-4.7	-4.29/-4.26	-3.99/-3.88	-4.04/-4.43	-4.68/-5.12	-5.67/-7.1	-7.66/-8.17	-8.36/-8.16	-8.21/-7.97	-7.74/-8.11	-8.45/-8.46	-9.01/-8.8	-7.34/-6.48	-6.29/-6.49	-6.69/-7.28	-8.03/-9.54	-9.74/-9.68	-10.52/-10.59	-10.07/-9.24	-8.14/-7.75	-7.84/-7.86
Θ(15°)	-4.32/-3.95	-4.14/-4.54	-5.55/-5.92	-6.09/-6.38	-6.73/-5.92	-5.99/-5.01	-4.78/-5.06	-5.71/-5.99	-6.06/-6.85	-8.5/-8.34	-7.58/-6.41	-5.14/-4.4	-4.36/-5.15	-5.46/-5.86	-4.92/-3.72	-2.49/-1.83	-1.55/-1.13	-1.18/-1.72	-2.63/-3.86	-4.93/-6.1	-7.48/-7.71	-7.48/-7.88	-8.89/-6.69	-6.39/-5.15
Θ(22.5°)	-2.6/-2.06	-1.72/-1.57	-1.1/-1.22	-2.22/-4.21	-5.85/-6.41	-7.05/-6.55	-5.31/-4.99	-5.75/-6.83	-7.85/-8.2	-7.43/-5.81	-6.76/-3.66	-2.59/-1.89	-1.81/-1.91	-2.03/-2	-1.12/-0.27	-0.4/-1.15	-1.52/-1.06	-1.28/-2.03	-2.86/-3.92	-4.56/-5.2	-5.74/-5.35	-3.43/-3.16	-3.81/-4.63	-5.13/-3.77
Θ(30°)	-1.57/-1.87	-4.02/-2.21	-1.31/-1.25	-2.36/-3.36	-4.52/-5.92	-6.13/-5.68	-5.95/-8.3	-5.26/-5.51	-5.83/-4.35	-4.23/-3.14	-3.29/-3.1	-2.64/-2.25	-1.91/-0.35	-1.55/-1.36	-1.78/-2.25	-2.61/-3.92	-4.67/-5.02	-1.97/-5.61	-3.67/-3.13	-2.16/-1.51	-2.36/-4.18			
Θ(37.5°)	-0.69/-3.12	-4.01/-3.09	-1.64/-1.6	-2.4/-2.44	-3.34/-4.13	-4.81/-4.6	-3.45/-2.94	-3.95/-5.73	-4.99/-5.03	-5.13/-4.6	-2.83/-1.97	-1.99/-1.3	-0.75/-0.32	0.98/-1.91	1.57/-1.01	0.73/-0.31	-0.11/-0.46	0.16/-0.48	-0.71/-1.59	-1.89/-1.91	-2.72/-3.06	-2.22/-2.24	-0.79/-0.43	-0.13/-0.06
Θ(45°)	-1.93/-2.51	-3.19/-2.7	-2.34/-1.98	-3.1/-4.4	-4.34/-3.74	-3.14/-3.57	-3.77/-3.63	-3.76/-3.44	-3.35/-3.08	-1.71/-1.26	-0.78/-0.6	0.76/-1.87	1.49/-0.66	0.62/-0.45	0.65/-0.6	-2.79/-1.92	-0.06/-1.63	1.05/-0.62	-0.38/-0.43	-1.86/-3.02	-1.64/-2.01	0.43/-0.22		
Θ(52.5°)	-3.84/-3.74	-3.28/-1.61	-1.74/-1.83	-2.74/-3.46	-2.18/-1.92	-4.43/-3.49	-2.38/-2.92	-4.18/-4.34	-3.71/-2.84	-3.69/-3.56	-3.28/-4.4	-3.78/-2.7	-2.03/-2.26	0.13/-0.94	0.93/-1.07	0.03/-1.68	2.68/-3.28	1.93/-1.39	0.42/-1.07	0.77/-2.33	-2.22/-1.06	-2.29/-2.73	-2.98/-2.39	-3.77/-3.76
Θ(60°)	-1.87/-3.6	-4.63/-4.4	-3.29/-2.04	-1.45/-2.05	-2.89/-3.83	-2.43/-3.34	-3.44/-2.02	0.25/-0.53	-3.98/-4.41	-3.09/-4.11	-4.51/-4.33	-6.14/-4.75	-3.96/-5.2	-0.73/-0.98	1.33/-1.54	1.99/-3.42	4.05/-3.7	2.57/-0.88	1.22/-3.04	1.77/-0.41	-2.5/-1.45	0.21/-0.26	-1.15/-4.16	-3.21/-1.67
Θ(67.5°)	-1.27/-0.47	-3.3/-2.78	-2.26/-1.73	-3.1/-2.76	-2.3/-2.52	-2.22/-0.75	-0.81/-2.21	-0.35/-0.3	-0.12/-3.59	-1.55/-1.65	-3.54/-0.99	-2.61/-3.63	-1.38/-2.99	-0.73/-1.73	2.11/-1.6	1.62/-3.34	2.84/-0.51	1.38/-2.59	1.14/-0.1	-2.46/-0.47	1.61/-0.09	-2.53/-1.6	-3.36/-2.26	
Θ(75°)	-4.39/-4.53	-3.21/-2.9	-2.3/-1.29	-1.59/-2.13	-2.88/-3.64	-2.51/-1.23	-2.83/-2.43	-0.63/-2.19	-1.71/-2.29	-1.59/-1.51	-2.39/-4.35	-4.57/-7.42	-1.85/-2.62	-1.85/-0.66	1.01/-1.2	-0.12/-0.4	1.92/-2.74	0.31/-63	-0.95/-1.35	-3.13/-2.29	-1.41/-0.51	-1.41/-3.09	-2.54/-3.5	
Θ(82.5°)	-1.12/-3.18	-2.05/-1.13	-0.13/-1.04	-2/-2.55	-0.92/-1.88	-1.47/-1.22	-2.03/-1.96	-1.77/-1.48	-2.79/-1.59	-1.9/-0.94	-2.69/-2.37	-4.99/-4.49	-4.05/-4.04	-2.18/-1.1	1.71/-1.36	-1.512/-1.6	3.05/-2.57	30.94	2.14/-1.11	-1.58/-2.63	-0.53/-0.4	-1.59/-1.52	-3.64/-4.34	-1.77/-1.28
Θ(90°)	-1.99/-2.27	-2.01/-2.78	-2.78/-2.28	-0.73/-1.43	-2.36/-1.85	-2.09/-3.14	-4.05/-4.82	-2.87/-5.5	-3.15/-2.82	-3.23/-4.24	-2.82/-2.86	-4.34/-4.6	-3.08/-3.92	-2.51/-2.47	0.98/-0.92	-4.62/-0.69	2.75/-4.12	2.81/-1.07	1.26/-2.42	1.2/-0.35	-0.43/-1.79	-0.89/-0.92	-1.45/-2.05	-1.12/-1.02
Θ(97.5°)	-4.72/-3.46	-3.44/-4.68	-4.67/-1.62	-2.2/-2.94	-2.66/-3.03	-3.61/-2.33	-4.26/-3.72	-5.64/-9.24	-8.75/-8.88	-6.46/-6.1	-5.9/-5.88	-4.08/-3.12	-5.04/-4.94	-3.42/-3.39	-0.18/-0.41	-2.80/-69	1.58/-0.77	1.93/-1.73	1.29/-0.48	0.01/-0.69	-1.38/-0.79	0.45/-4.33	-3.94/-3.54	-1.28/-2.67
Θ(105°)	-6.32/-4.49	-4.28/-4.01	-1.15/-0.12	-0.1/-1.15	-2.5/-5.97	-6.02/-3.63	-4.72/-5.35	-9.43/-7.77	-6.81/-6.49	-6.23/-9.38	-7.22/-5.11	4.4/-4.67	-4.85/-3.97	-2.12/-2.7	0.76/-1.12	-1.58/-1.27	1.18/-0.26	1.49/-0.45	0.85/-1.15	1.65/-1.82	-0.62/-0.43	-0.22/-5.77	-5.73/-5.54	-4.04/-3.97
Θ(112.5°)	-4.22/-4.11	-3.26/-2.88	-3.32/-4.39	-2.67/-2.22	-2.7/-4.12	-7.74/-5.89	-4.79/-5.2	-8.94/-7.56	-5.59/-7.38	-8.79/-6.79	-6.19/-6.29	-5.75/-5.21	-5.97/-3.31	-2.99/-4.42	-0.26/-0.53	-5.82/-0.79	0.15/-0.27	1.09/-0.68	3.17/-2.3	1.38/-2.33	0.53/-2.53	-0.3/-4.24	-3.05/-5.01	-4.17/-4.6
Θ(120°)	-6.05/-4.84	-3.74/-3.66	-3.05/-4.29	-3.91/-3.32	-5.78/-5.48	-4.29/-3.63	-4.46/-5.79	-7.23/-6.57	-8.64/-9.56	-8.85/-9.75	-10.9/-7.6	-10.29/-3.67	-6.33/-4.9	-4.52/-4.2	-2.65/-2.87	-4.44/-2.16	-0.11/-1.12	0.65/-1.21	1.82/-2.25	-0.75/-1.51	-2.9/-4.79	-5.53/-3.56	-2.45/-4.58	-4.71/-5.37
Θ(127.5°)	-7.69/-4.94	-5.27/-4.54	-4.01/-4.12	-6.07/-3.27	-3.46/-4.88	-2.6/-4.57	-4.52/-5.33	-6.09/-8.58	-7.69/-7.02	-7.9/-6.39	-8.24/-1.39	-1.175/-7.2	-6.25/-3.75	-4.68/-5.04	-3.39/-3.81	-2.46/-1.21	-0.69/-0.75	-1.03/-3.3	0.29/-2.12	2.22/-2.18	-0.73/-1.32	-5.29/-5.27	-6.87/-6.14	-6.19/-7.68
Θ(135°)	-5.55/-5.27	-5.11/-5.87	-5.49/-5.44	-4.43/-4.87	-4.01/-4.12	-5.89/-5.05	-3.43/-2.92	-6.13/-6.93	-6.08/-4.99	-5/-4.98	-4.98/-5.65	-7.73/-5.74	-7.09/-4.3	-5.19/-8.97	-4.1/-2.46	-1.15/-0.76	-0.82/-2.77	-2.51/-1.17	-0.93/-1.41	-0.42/-6.04	-3.46/-7.57	-7.31/-2.24	-2.11/-2.59	-3.53/-4.05
Θ(142.5°)	-5.48/-5.51	-5.05/-5.72	-5.87/-4.62	-4.26/-2.71	-2.47/-3.09	-4.43/-4.8	-4.1/-4.27	-5.14/-6.03	-5.4/-3.83	-4.4/-5.3	-5.84/-5.9	-7.58/-8.61	-8.04/-5.59	-3.75/-1.99	-1.44/-									



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

Appendix B

Θ(112.5°)	-7.63/-6.85	-6.01/-4.48	-2.93/-2.98	-1.93/-1.93	-2.27/-2.58	-2.2/-2.28	-0.61/0.62	0.98/0.46	0.7/0.89	-2.02/-0.81	-0.52/-0.23	-1.39/-0.58	-1.34/-1.4	-2.07/-2.88	-1.88/-3.86	-4.03/-2.31	-1.9/-2.94	-5.14/-7.49	-3.03/-0.78	-4.35/-7.21	-4.45/-6.05	-11.11/-8	-9.61/-7.24	-7.01/-6.69
Θ(120°)	-6.54/-4.64	-2.68/-2.53	-3.07/-2.45	-1.34/-1.01	-1.05/-1.08	-0.97/-0.94	-0.38/0.76	0.61/-0.87	-2.19/-2.84	-2.95/-3.21	-3.04/-2.79	-2.8/-2.35	-2.49/-1.28	-1.49/-1.5	-0.47/-1.25	-2.74/-2.59	-3.19/-2.35	-2.7/-5.32	-2.62/-2.01	-2.31/-12.54	-5.96/-6.8	-9.65/-7.65	-7.27/-8.41	-9.1/-7.66
Θ(127.5°)	-7.51/-5.98	-5.12/-4.91	-4.77/-3.3	-2.25/-1.48	-1.45/-2.3	-1.61/-0.36	-0.14/0.4	-1.27/-3.241	-2.16/-1.97	-1.88/-1.37	-1.17/-1.19	-1.62/-1.64	-1.89/-0.93	-0.14/-0.27	-0.64/-1.3	-2.09/-3.19	-3.97/-6.93	-9.96/-7.9	-3.42/-2.55	-6.03/-11.74	-6/-7.87	-11.21/-8.18	-7.31/-8.42	-5.89/-6.52
Θ(135°)	-5.76/-4.24	-3.82/-3.95	-4.5/-5.47	-4.24/-3.89	-4.04/-4.35	-3.23/-1.39	-0.83/-1.67	-1.53/-1.04	-0.07/0.77	10.98	0.91/0.57	-0.33/-1.33	-1.89/-1.27	-0.94/-1.51	-0.07/-0.94	-1.93/-2.65	-3.74/-8.15	-7.71/-0.44	-4.47/-3.73	-5.04/-10.86	-8.76/-12.03	-8.5/-6.47	-7.91/-9.67	-6.55/-6.23
Θ(142.5°)	-6.44/-5.35	-4/-3.47	-2.94/-2.54	-2.71/-3.59	-4.39/-4.98	-4.13/-3.21	-3.52/-3.67	-2.67/-1.33	-0.64/-1.14	-2.13/-2.43	-1.83/-0.75	-0.71/-1.4	-2.51/-2.33	-3.72/-3.2	-2.68/-2.74	-2.33/-4.41	-6.5/-5.2	-3.77/-4.47	-3.49/-3.05	-6.65/-10.21	-10.36/-9.1	-7.89/-7.64	-8/-7.67	-8.03/-6.47
Θ(150°)	-6.61/-8.04	-5.73/-4.49	-5.09/-5.53	-5.79/-6.07	-6.9/-8.69	-4.3/-8.78	-8.02/-7.4	-5.82/-4.53	-3.65/-2.84	-2.61/-2.84	-2.8/-2.74	-2.46/-2.1	-2.64/-0.33	-3.99/-3.37	-4.50/-4.56	-6.25/-7.03	-8.39/-7.14	-5.57/-1.17	-8.44/-7.43	-6.95/-7.03	-9.13/-10.54	-9.95/-8.11	-6.82/-6.19	-7.27/-8.3
Θ(157.5°)	-6.04/-5.36	-4.95/-4.84	-4.34/-5.46	-6.51/-6.85	-6.92/-7.53	-7.69/-7.49	-7.65/-7.99	-8.51/-8.21	-7.84/-6.85	-5.05/-3.21	-1.38/-0.11	0.41/0	-1.45/-3.85	-4.88/-5.69	-6.5/-7.25	-7.21/-6.36	-6.66/-7.69	-9.33/-10.18	-9.1/-7.66	-7.49/-9.07	-10.98/-9.73	-8.61/-8.01	-6.76/-5.9	-6.06/-6.5
Θ(165°)	-3.95/-3.33	-3.5/-4.29	-5.48/-5.89	-6.36/-5.88	-6.17/-7.13	-8.14/-8.83	-9.07/-9.8	-9.88/-9.66	-9.54/-9.52	-8.49/-7.98	-6.25/-4.98	-4.44/-4.18	-4.28/-4.29	-4.35/-4.41	-4.37/-4.92	-5.58/-6.13	-6.11/-6.22	-6.18/-6.27	-6.36/-6.34	-6.66/-6.87	-7.59/-6.26	-8.18/-8.25	-7.92/-7.61	-6.31/-4.63
Θ(172.5°)	-7.64/-6.8	-5.81/-5.07	-4.9/-5.2	-5.44/-6.01	-6.72/-7.44	-8.57/-9.04	-8.67/-8.63	-8.69/-8.47	-8.5/-8.86	-8.97/-7.87	-7.51/-6.94	-6.21/-5.59	-5.21/-4.79	-4.85/-5.31	-5.33/-5.26	-5.24/-5.38	-6.16/-7.31	-9.3/-10.2	-10.75/-11.76	-11.85/-11.04	-10.87/-11.06	-10.5/-9.16	-8.18/-8.44	
Θ(180°)	-8.89/-7.25	-5.48/-4.88	-5.21/-6.11	-6.81/-7.67	-8.33/-8.81	-8.95/-9.55	-9.57/-9.27	-9.28/-9.13	-8.66/-8.21	-8/-7.85	-6.77/-5.94	-5.36/-4.92	-5/-4.94	-4.94/-5.55	-5.95/-7.02	-7.98/-8.25	-8.51/-9.05	-9.2/-9.6	-10.08/-10.87	-12.37/-12.35	-12.04/-11.27	-10.58/-10.47	-10.98/-10.79	-10.52/-9.29
Freq[GHz]	6.475GHzPol.	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°)	-7.19/-7.05	-7.03/-7.11	-7.12/-6.79	-6.93/-6.83	-7.14/-7.21	-7.26/-7.45	-7.19/-6.81	-6.65/-6.58	-6.1/-5.64	-5.21/-4.94	-4.86/-4.99	-5.26/-5.22	-5.2/-5.11	-5.33/-5.61	-5.97/-6.12	-6.48/-7.05	-7.14/-7.37	-7.76/-8.09	-7.72/-7.55	-6.93/-6.62	-6.84/-7.25	-7.18/-6.83	-7.33/-7.5	-7.71/-7.72
Θ(7.5°)	-3.36/-3.84	-4.68/-4.79	-4.66/-5.16	-5.45/-5.91	-6.57/-7.2	-7.15/-7.19	-7/-6.82	-6.96/-6.61	-6.27/-6.18	-6.56/-7.2	-7.54/-8.08	-8.11/-8.31	-8.4/-7.91	-6.9/-6	-5.44/-5.19	-5.5/-5.7	-5.46/-5.58	-5.94/-6.14	-5.81/-5.22	-4.94/-4.53	-4.56/-4.61	-4.35/-4.24	-4.09/-3.55	-3.17/-3.37
Θ(15°)	-2.51/-2.67	-2.76/-2.97	-2.35/-1.96	-2.18/-2.19	-2.36/-2.61	-2.59/-3	-3.58/-3.93	-4.23/-4.42	-4.69/-5.32	-6.24/-7.05	-7.46/-7.41	-7.37/-7.57	-7.49/-6.79	-5.89/-5.49	-4.87/-4.51	-3.68/-3.45	-3.68/-3.96	-4.13/-4.2	-4.51/-5.35	-5.45/-4.95	-4.52/-4.11	-3.44/-2.91	-2.16/-1.8	-1.73/-1.22
Θ(22.5°)	-3.09/-3.07	-2.4/-2.02	-1.59/-1.36	-1.67/-1.91	-1.77/-1.85	-1.95/-2.36	-2.76/-3.2	-3.79/-4.2	-4.68/-4.89	-5.23/-5.74	-5.98/-5.69	-5.5/-5.03	-4.65/-4.96	-5.09/-5.1	-4.2/-3.07	-2.8/-2.87	-2.89/-3.44	-4.4/-5.26	-5.65/-6.23	-6.95/-7.57	-7.46/-7.52	-5.89/-4.39	-2.75/-2.25	-1.91/-2.52
Θ(30°)	-0.96/-0.56	0.06/0.07	-0.28/-0.64	-0.65/-0.21	0.18/0.29	0.26/-0.36	-0.82/-1.32	-2.23/-3.14	-3.76/-4.4	-3.88/-3.88	-3.63/-2.85	-2.38/-2.39	-2.52/-2.64	-2.45/-2.16	-2.53/-2.9	-3.13/-3.13	-3.57/-6.65	-4.78/-6.68	-7.41/-6.9	-6.76/-7.05	-7.81/-7.65	-6.69/-5.3	-3.65/-2.45	-1.61/-1
Θ(37.5°)	-1.27/-1.81	-1.15/-1.52	-1.93/-2.23	-2.03/-1.51	-1.17/-0.88	-0.36/-0.07	-0.14/-0.48	-2.28/-2.23	-2.8/-2.97	-2.29/-2.42	-3.34/-4	-2.72/-2.56	-1.87/-1.41	-2.26/-2.32	-1.97/-1.64	-1.73/-1.64	-1.78/-1.88	-2.42/-2.98	-4.37/-4.98	-4.07/-3.65	-3.69/-3.91	-4.28/-4	-2.89/-1.75	-0.77/-0.71
Θ(45°)	-3.19/-3.37	-2.09/-1.26	-0.04/-0.43	-0.8/-0.35	0.73/0.91	0.58/0.03	-0.32/-0.44	-0.99/-1.56	-1.52/-1.66	-2.78/-3.67	-4.96/-7.11	-5.89/-4.51	-3.7/-2.9	-2.52/-2.13	-2.14/-2.31	-2.26/-2.63	-1.93/-1.73	-1.76/-3.08	-4.58/-3.63	-2.33/-2.45	-3.47/-4.69	-5.13/-4.22	-3.5/-3.71	-2.89/-2.47
Θ(52.5°)	-2.79/-2.52	-1.12/0.12	1.53/-1.05	0.64/-1.26	1.94/-1.96	1.3/0.71	0.05/-0.13	-0.04/-0.44	-2.03/-2.87	-3.97/-4.88	-6.15/-0.51	-4.55/-4.78	-6.12/-5.46	-3.89/-2.71	-2.59/-3.16	-1.28/-1.51	-0.74/-0.74	-0.95/-1.25	-1.45/-2.06	-1.52/-2.52	-4.32/-3.5	-3.73/-5.5	-4.52/-3.69	-3.24/-2.51
Θ(60°)	-1.96/-1.7	-0.29/-0.14	0.25/-0.23	-0.36/-0.65	0.9/0.55	-0.04/-0.03	-0.34/-0.58	-1.21/-1.85	-1.83/-1.91	-4.23/-4.52	-4.43/-4.82	-4.92/-4.59	-4.72/-5.57	-2.42/-2.94	-2.63/-3.25	-1.57/-0.5	-0.38/-0.79	-0.63/-0.65	-2.51/-2.07	-1.25/-2.89	-2.99/-0.6	-3.19/-2.33	-3.41/-3.6	-2.85/-1.68
Θ(67.5°)	-1.61/-1.72	-1.23/-1.14	-1.04/-0.12	0.24/0.68	0.14/0.25	0.9/0.36	-0.72/-1.01	-0.49/-1.77	-3.13/-1.61	-1.1/-2.64	-3.46/-3.26	-2.74/-3.63	-4.95/-7.07	-6.03/-3.32	-2.23/-2.03	-3.05/-2.22	-1/-1.84	-3.55/-5.67	-5.26/-3.62	-2.3/-4.64	-3.58/-3.7	-3.15/-3.34	-3.85/-2.61	-1.52/-1.04
Θ(75°)	-1.73/-1.04	-1.14/-0.24	-0.66/-0.91	-0.81/0.7	1.33/-1.46	1.28/0.99	0.74/0.36	0.81/-0.07	-0.6/-3.06	-2.63/-3.19	-1.71/-2.6	-3.86/-4.37	-5.64/-4.4	-3.75/-3.2	-3.87/-2.76	-1.22/-0.86	-2.75/-1.57	-2.52/-4.32	-3/-1.92	-2.28/-1.81	-1.87/-2.72	-2.64/-1.29	-2.89/-2.77	
Θ(82.5°)	-2.13/-2.44	-2.03/-1.1	-0.22/0.48	1.15/-1.36	1.84/-1.21	0.08/0	0.6/0.66	0.48/0.47	0.55/0.19	-0.45/-1.2	-3.49/-3.41	-3.64/-3.93	-6.15/-6.18	-6.14/-5.4	-3.45/-4.52	-4.81/-3.58	-3.38/-1.54	-3.63/-5.96	-4.45/-3.88	-3.03/-3.25	-3.13/-2.75	-3.78/-2.76	-2.54/-2.77	-2.58/-2.16
Θ(90°)	-4.28/-4.23	-2.16/0.05	0.62/0.79	1.28/1.08	1.09/-1.27	0.78/0.74	0.63/0.77	1.06/0.93	1.16/0.53	-0.42/-1.66	-2.18/-3.19	-4.76/-5.73	-7.28/-5.62	-6.77/-8.21	-7.35/-9.63	-6.16/-2.9	-2.01/-1.85	-1.73/-4.5	-2.58/-1.84	-1.75/-2.37	-3.84/-2.91	-5.25/-4.05	-4.32/-4.54	-4.82/-3.16
Θ(97.5°)	-5.08/-4.43	-3.69/-3.2	-2.81/-1.71	-0.13/-0.44	0.81/-15	0.46/-0.47	-0.88/-0.76	-0.58/-0.38	-0.22/-0.92	-2.36/-4.61	-5.85/-5.34	-5.41/-4.74	-6.41/-5.2	-7.03/-6.17	-5.97/-7.07	-6.66/-6.05	-5.4/-4.78	-3.42/-4.78	-2.92/-3.25	-2.07/-2.03	-2.3/-4.51	-5.5/-5.24	-5.38/-4.74	-5.85/-5.96
Θ(105°)	-4.39/-5.59	-4.28/-4.45	-4.34/-4	-2.14/-0.74	-1.49/-0.46	-0.73/-2.31	-1.72/-1.43	-0.34/-1.25	-1.76/-2.3	-2.87/-5.48	-6.08/-6.18	-6.01/-1.9	-6.91/-5.88	-6.91/-7.38	-5.31/-5.69	-6.45/-7.9	-5.43/-4.77	-3.65/-2.27	-2.25/-2.79	-2.75/-2.59	-1.78/-3.62	-3.87/-5.28	-5.83/-4.77	-4.47/-4.98
Θ(112.5°)	-5.1/-4.41	-3.28/-3.08	-2.93/-2.62	-2.57/-1.45	-2.51/-2.55	-1.75/-2.44	-2.17/-1.81	-1.7/-2.15	-0.95/-1.17	-2.25/-3.35	-4.87/-5.01	-4.82/-6.62	-8.13/-7.29	-7.52/-9.94	-8.61/-7.93	-7.73/-7.03	-5.35/-2.65	-2.89/-2.22	-2.75/-2.22	-2.62/-0.73	-0.72/-3.4	-3.72/-5.14	-6.01/-4.26	-5.24/-6.87
Θ(120°)	-6.69/-4.39	-3.3/-2.28	-2.24/-1.83	-1.41/-0.57	0.48/-0.94	-1.19/-0.44	-1.1/-1.31	-2.26/-1.74	-1.71/-3.68	-4.78/-5.12	-5.01/-5.75	-5.66/-6.07	-6.86/-7.25	-6.75/-7.92	-9.41/-8.17	-5.74/-6.28	-4.96/-3.94	-4.98/-4.01	-4.81/-4.37	-3.77/-6.23	-3.44/-4.8	-7.49/-8.98	-5.96/-8.68	-5.68/-6.61
Θ(127.5°)	-3.37/-4.13	-3.91/-3.19	-2.86/-1.47	-0.6/-0.57	-0.26/-0.16	-1.41/-2.33	-1.68/-2.15	-2.81/-3.37	-5.39/-6.43	-4.97/-3.55	-3.39/-3.9	-4.86/-6.06	-8.09/-8.59	-9.94/-11.31	-10.94/-8.11	-6.55/-5.42	-5.13/-4.29	-6.24/-6.68	-7.7/-5.19	-3.6/-7.08	-3.92/-3.82	-8.07/-7.02	-5.11/-5.84	-6.4/-5.43
Θ(135°)	-6.33/-6.71	-6.53/-6.1	-5.26/-5.21	-4.39/-2.65	-2.16/-1.74	-1.74/-2.26	-2.38/-1.7	-1.88/-2.39	-4.04/-4.44	-5.71/-7.1	-7.33/-6.15	-5.26/-6.12	-6.52/-6.16	-6.75/-6.15	-5.79/-5.53	-5.58/-4.81	-6.24/-8.53	-8.14/-4.84	-5.42/-4.43	-2.73/-5.42	-5.45/-5.36	-7.72/-5.91	-3.25/-3.17	-3.82/-5.77
Θ(142.5°)	-5.35/-5.51	-6.58/-7.49	-9.05/-9.27	-8.93/-7.26	-4.71/-3.09	-2.28/-3.2	-2.51/-2.4	-2.72/-3.44	-4.71/-5.52	-5.64/-6.79	-8.83/-10.46	-9.62/-9.46	-7.6/-7.01	-7.09/-7.87	-8.56/-8.95	-7.65/-6.49	-6.22/-4.88	-3.67/-3.48	-4.89/-4.31	-2.96/-2.78	-4.29/-4.89	-5.35/-8.14	-6.98/-6.06	-5.94/-6.51
Θ(150°)	-8.18/-6.62	-5.67/-4.89	-4.06/-5.44	-7.84/-6.49	-5.41/-4.51	-3.37/-2.99	-2.7/-2.52	-2.72/-3.01	-3.31/-3.45	-3.9/-6.53	-7.55/-8.68	-9.26/-9.83	-7.39/-7.32	-8.61/-9.13	-8.98/-9.91	-10.88/-11.54	-10.27/-6.09	-4.38/-4.31	-3.59/-2.32	-1.38/-1.41	-3.64/-5.8	-6.46/-5.98	-5.05/-5.62	-6.54/-8.37
Θ(157.5°)	-7.86/-7.66	-6.93/-7.67	-7.74/-5.48	-6.63/-5.31	-5.67/-4.94	-4.14/-3.98	-3.72/-3.91	-4.8/-5.25	-4.55/-3.76	-3.29/-4	-5.35/-5.8	-6.38/-7.89	-6.61/-6.56	-6.21/-6.99	-7.97/-8.61	-9.78/-11.36	-12.14/-11.62	-9.73/-7.29	-5.32/-4.65	-5.32/-6.55	-9.07/-9.95	-8.48/-6.95	-6.22/-6.73	-8.19/-9.04
Θ(165°)	-5.93/-5.74	-5.76/-5.48	-5.56/-6.61	-7.58/-6.81	-5.88/-5.01	-5.61/-6.05	-6.15/-6.81	-8.01/-8.68	-9.35/-9.17	-8.73/-9.99	-6.82/-6.08	-5.6/-5.02	-4.67/-5.22	-6.33/-7.4	-8.56/-9.34	-8.27/-6.06	-4.83/-4.47	-4.55/-4.92	-5.51/-6.05	-6.8/-7.45	-7.58/-7.79	-7.94/-7.82	-6.64/-5.95	-6.64/-5.95
Θ(172.5°)	-10.69/-11.68	-11.28/-12.02	-11.87/-11.02	-10.32/-8.82	-8.02/-7.7	-7.66/-7.39	-6.91/-7.07	-7.21/-7.01	-6.7/-6.7	-7.02/-7.1	-7.74/-7.7	-7.87/-8.62												



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

Appendix B

Θ (157.5°)	-3.96/3.78	-4.09/4.88	-5.24/6.39	-8.32/9.51	-11.35/12.6	-10.77/9.59	-8.59/9.34	-9.44/9.27	-7.64/6.07	-4.78/4.46	-3.92/3.74	-3.63/3.78	-4.85/6.45	-4.74/4.48	-5.37/5.28	-7.09/8.42	-8.04/6.1	-5.52/6.64	-7.93/9.42	-8.96/9.25	-8.82/9.15	-8.71/7.26	-6/4.81	-4.18/3.87
Θ (165°)	-4.59/-4.4	-4.94/-5.5	-6.7/-7.28	-7.95/-8.55	-9.24/-10.95	-11.31/-12.2	-11.28/-10.15	-9.71/-9	-8.03/-7.92	-7.3/-6.96	-6.29/-5.75	-4.77/-4.68	-4.45/-4.09	-3.36/-2.38	-1.52/-1.54	-2.44/-3.78	-5.25/-5.74	-5.6/-5.94	-7.64/-7.99	-9.01/-9.63	-10.45/-10.09	-7.89/-7.33	-7.29/-6.48	-6.2/-5.29
Θ (172.5°)	-10.46/-11.99	-11.36/-9.95	-7.84/-7.84	-7.96/-7.94	-8.35/-9.28	-10.21/-10.44	-9.29/-8.46	-7.61/-6.53	-5.56/-4.8	-4.24/-4.15	-4.17/-4.44	-4.48/-4.36	-3.94/-3.84	-3.65/-3.44	-3.43/-3.69	-4.12/-4.78	-5.15/-5.51	-6.37/-7.21	-7.98/-9.02	-10.27/-10.84	-11.78/-11.24	-10.08/-9.2	-8.09/-7.42	-8.35/-9.09
Θ (180°)	-5.2/-4.8	-3.93/-3.75	-4.19/-5.05	-6.42/-7.74	-8.18/-9.04	-9.55/9.65	-9.04/8.64	-8.22/-8.14	-7.54/-7.38	-6.67/5.83	-4.89/-4.22	-3.94/-3.8	-3.85/-4.02	-4.14/-4.51	-4.71/-5.16	-5.9/-6.75	-7.7/-8.54	-9.85/-11.33	-11.8/-12.28	-11.83/-11.59	-10.5/-9.68	-8.52/-8.82	-9.02/-9.22	-8.38/-6.21
Freq(Hz)	6.995GPol.	PhiL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DGc(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°)	-5.47/-5.55	-4.91/4.8	-4.71/-5.77	-6.13/6.37	-6.67/-7.24	-7.56/-8.9	-10.05/9.89	-10.19/-10.43	-10.4/-9.87	-9.33/-8.36	-7.82/-7.38	-7/-6.56	-5.98/-5.92	-5.77/-6.14	-6.58/-7.22	-7.02/-6.73	-6.84/-7.19	-7.62/-7.9	-8.18/-8.47	-8.57/9.13	-9.57/-10.71	-10.54/9.21	-8.19/-7.15	-6.16/-6.05
Θ (7.5°)	-5.4/-5.56	-6.05/-5.36	-5.57/-5.81	-5.72/-5.77	-5.97/-5.83	-5.98/-5.96	-6.35/-6.94	-7.36/-8.02	-8.94/-9.91	-10.33/-10.09	-9/-7.88	-7.17/-6.35	-5.76/-5.77	-6.04/-6.28	-6.87/-7.04	-6.21/-5.85	-5.9/-6.28	-6.6/-7.46	-8.89/-10.64	-11.66/-11.44	-11.11/-9.66	-8.62/-7.68	-6.41/-5.81	-5.65/-5.84
Θ (15°)	-4.87/-4.55	-4.39/-4.45	-5.22/-5.47	-5.63/-5.82	-6.27/-5.92	-6.4/-6.32	-6.4/-6.43	-6.38/-6.44	-6.67/-8.18	-10.14/-10.04	-8.46/-6.6	-5.02/-4	-3.77/-4.23	-4.49/-6.13	-4.94/-4.81	-4.5/-4.32	-4.32/-4.26	-4.74/-5.15	-5.72/-6.76	-7.86/-8.45	-9.81/-9.47	-8.53/-8.17	-8.88/-7.3	-7.36/-5.77
Θ (22.5°)	-2.14/-1.73	-1.78/-1.94	-1.39/-1.49	-2.05/-3.3	-3.87/-3.49	-4.15/-4.9	-5.83/-6.46	-7.07/-7.3	-7.6/-7.9	-8.7/-8.21	-7.7/-6.8	-5.18/-3.73	-2.98/-3.03	-3.23/-3.24	-2.57/-2.11	-2.06/-2.73	-3.15/-2.94	-3.5/-5.25	-6.39/-7.38	-7.65/-7.74	-7.4/-6.61	-4.81/-4.18	-4.25/-4.79	-4.83/-3.48
Θ (30°)	-4.18/-3.68	-2.59/-1.84	-1.06/-6.07	-1.27/-1.58	-1.83/-2.38	-3.03/-2.94	-2.9/-2.99	-3.55/-3.73	-3.83/-3.75	-3.92/-4.43	-5.96/-5.89	-5.4/-4.28	-3.64/-2.29	-1.3/-1	-0.63/-0.81	-0.97/-1.44	-1.94/-1.9	-3.03/-5.05	-5.04/-5.19	-6.17/-6.55	-6.5/-6.44	-4.5/-4.55	-3.67/-2.61	-2.33/-3.3
Θ (37.5°)	-1.4/-2.88	-2.63/-1.36	-0.36/0.09	0.01/0.1	-0.43/-0.7	-0.94/-0.87	-0.15/0.09	-0.75/-2.1	-2.43/-3.07	-4.52/-5.22	-4.54/-3.41	-3.32/-3.33	-3.06/-2.87	-2.08/-1.21	-1.77/-3.29	-2.35/-3.1	-2.08/-1.72	-3.07/-2.34	-3/-3.41	-2.49/-2.24	-3.15/-4.39	-4.16/-4.4	-2.72/-1.64	-1.29/-0.97
Θ (45°)	-2.14/-2.1	-1.94/-0.9	0.44/1.01	0.58/0.07	0.01/0.53	0.75/0.48	0.09/-0.56	-1.13/-1.94	-2.74/-3.6	-3.22/-3.49	-2.83/-2.55	-1.73/-1.96	-1.84/-2.89	-2.63/-2.07	-2.38/-3.06	-2.65/-1.17	-1.08/-2.94	-5.08/-3.04	-0.63/0.11	-0.95/-1.61	-1.39/-2.2	-3.67/-4.08	-2.87/-1.69	-0.6/-0.71
Θ (52.5°)	-5.55/-3.92	-2.34/-0.36	0.18/0.67	0.55/0.58	1.29/0.9	-0.69/0.66	1.24/0.63	-0.52/-1.26	-1.47/-1.64	-4.17/-4.24	-3.62/-3.55	-1.99/-1.38	-1.78/-2.18	-1.74/-2.06	-2.58/-2.12	-1.4/-0.39	-0.2/-0.95	-2.47/-2.11	-1.05/-2.86	-3.8/-3.44	-4.63/-4.35	-3.67/-3.81	-4.06/-4.42	
Θ (60°)	-0.62/-0.78	-1.24/-1.14	-0.85/0.23	0.19/0.53	-0.13/0.05	1.03/0.83	0.38/0.62	1.60/0.96	-0.46/-1.72	-2.47/-4.03	-3.24/-2.02	-2.1/-1.17	-1.73/-2.64	-2.16/-0.53	0.35/-0.12	-2.3/-1.23	0.2/-0.83	-1.06/-1.16	-0.99/0.57	-2.95/-1.16	-0.52/-0.63	-1.99/-4.24	-3.27/-1.18	
Θ (67.5°)	-1.2/-2.29	-2.37/-0.46	0.24/0.68	-0.05/-0.57	0.12/1.01	1.62/2.91	3.58/2.41	2.07/1.13	1.73/-1.51	-0.99/-0.72	-3.32/-3.71	-2.39/-2.15	-1.83/-2.6	-2.25/-0.57	0.39/0.63	-2.37/0.09	1.7/-0.07	-2.6/-3.43	-2.89/-1.72	-1.53/-3.59	-4.5/-1.49	0.37/0.85	-2.49/-3.79	-2.32/-1.3
Θ (75°)	-2.44/-2.49	-1.68/-0.84	0.34/1.28	1.92/1.68	1.62/1.13	2.14/1.02	0.97/1.84	2.56/0.99	0.24/-0.49	-0.56/0.45	-0.99/-3.71	-4.17/-5.35	-3.83/-4.02	-1.77/-2.03	-1.02/-1.78	-2.19/-2.44	-2.07/-4.02	-0.95/-5.44	-2.55/-0.57	-2.77/-4.07	-5.74/-3.9	-1.98/-2.48	-2.53/-2.65	-2.11/-2.24
Θ (82.5°)	-0.32/-0.82	-0.58/2.25	3.38/0.99	2.82/2.7	2.51/1.28	2.21/0.72	1.76/1.88	2.01/1.23	-1.01/-0.14	-0.55/-0.94	-3.19/-4.32	-5.99/-5.69	-6.93/-4.99	-6.49/-5.43	-2.88/-2.96	-5.47/-1.5	-0.32/-0.58	0.98/0.59	-4.61/-0.84	-2.35/-5.14	-2.63/-1.27	-1.55/-2.07	-3.83/-3.48	-2.33/-0.61
Θ (90°)	0.32/0.87	1.52/1.3	1.41/1.69	2.71/2.52	1.78/1.18	1.71/1.33	1.14/0.73	0.52/-0.47	-1.22/0.4	-0.59/-1.6	-3.86/-4.06	-5.79/-5.44	-5.61/-6.6	-6.93/-6.98	-4.43/-5.08	-8.84/-3.59	-2.02/-0.55	-0.27/-3.05	-2.62/-2.29	-2.21/-3.34	-2.68/-3.67	-2.93/-2.5	-2.55/-0.91	-0.84/0.31
Θ (97.5°)	-1.33/-0.9	-0.59/-1.62	-1.86/-0.08	0.53/0.77	0.23/0.15	1.81/1.94	1.33/1.23	-1.26/-2.55	-3.11/-4.42	-3/-3.78	-4.55/-4.7	-4.88/-3.94	-6.37/-7.9	-7.17/-9.54	-5.24/-5.01	-5.39/-3.2	-2.69/-2.92	-0.87/-1.53	-0.57/-2.25	-2.48/-1.15	-2.59/-1.8	-1.38/-2.49	-2.36/-2.65	-2.64/-1.6
Θ (105°)	-3.5/-2.76	-1.91/-0.92	0.68/0.66	0.86/0.5	0.17/-2.22	-1.85/0.13	0.71/0.26	-0.125/-0.65	-1.21/-1.15	-0.88/-2.43	-3.13/-6.9	-5.09/-4.94	-7.21/-6.98	-7.58/-6.62	-4.71/-3.7	-3.85/-5.17	-3.18/-3.25	-1.62/-0.85	-4.81/-5.49	-3.47/-2.96	-2.85/-4.5	-4.46/-3	-3.94/-3.48	
Θ (112.5°)	-1.81/-2.16	-0.14/0.75	1.11/0.57	1.33/0.74	0.4/-0.28	-2.27/-1.81	-1.27/-2	-2.61/-1.94	-2.33/-4.17	-3.25/-2.03	-3.02/-3.4	-5.93/-7.02	-8.71/-6.08	-7.58/-11.25	-8.33/-7	-6.06/-3.21	-3.75/-2.57	-1.58/-1.76	-1.45/-1.76	-2.38/-2.26	-1.69/-2.99	-3.4/-3.91	-1.79/-2.01	-2.67/-3.02
Θ (120°)	-4.18/-3.15	-1.22/0.02	1.1/0.57	0.64/-0.19	-2.41/-1.56	-0.19/-0.04	-1.06/-1.27	-1.36/-1.75	-2.71/-2.78	-3.31/-4.37	-5.47/-5.94	-6.94/-5.76	-7.09/-7.59	-11.44/-10.12	-10.51/-8.47	-5.96/-4.37	-3.47/-4.43	-2.84/-2.78	-5.69/-6.21	-9.56/-6.86	-7.2/-4.54	-2.75/-3.5	-4.47/-5.72	
Θ (127.5°)	-8.15/-8.47	-4.16/-2.76	-1.84/-1.35	-1.97/-0.24	-0.43/-1.11	-0.65/-0.62	-0.46/-0.43	-1.02/-2	-1.75/-1.79	-3.84/-4.13	-7.11/-10.93	-12/-10.29	-9.18/-8.01	-8.43/-6.18	-6.59/-5.49	-4.81/-5.49	-5.13/-8.6	-5.44/-5.82	-3.14/-3.14	-2.39/-3.69	-2.45/-2.68	-6.51/-4.75	-6.87/-1.6	-7.87/-7.8
Θ (135°)	-4.53/-3.48	-2.86/-3.86	-4.24/-4.57	-3.63/-3.51	-2.38/-1.88	-1.93/-1.12	0.11/0.48	-1.37/-2.25	-2.57/-1.86	-2.03/-2.51	-3.42/-5.16	-6.14/-7.35	-8.4/-6.88	-7.01/-9.45	-7.63/-4.99	-4.02/-4.51	-3.9/-6.45	-5.18/-3.45	-6.51/-5.11	-1.59/-5.96	-4.67/-7.76	-7.26/-4.52	-3.37/-3.17	-4.79/-5.24
Θ (142.5°)	-3.34/-2.68	-1.93/-2.15	-2.41/-1.99	-2.07/-1.19	-1.64/-2.54	-4.45/-4.71	-1.95/-1.09	-1.61/-2.7	-2.4/-0.97	-2.08/-4.43	-5.35/-4.88	-5.86/-6.86	-8.98/-8.96	-6.32/-5.34	-6.09/-5.8	-5.16/-4.94	-3.13/-1.34	-1.51/-3.61	-2.95/-2.73	-4.22/-2.78	-4.34/-7.5	-3.75/-1.85	-2.71/-3.93	-2.13/-3.93
Θ (150°)	-6.33/-4.91	-5.45/-5.49	-7.37/-9.45	-8.93/-7.01	-5.02/-3.46	-2.66/-1.49	-0.46/-0.89	-3.73/-2.36	-2.07/-1.94	-2.89/-5.16	-6.22/-6.99	-6.33/-8.45	-7.38/-7.65	-7.59/-6.15	-6.58/-6.27	-5.21/-6.63	-7.02/-4.65	-1.61/-2.32	-3.39/-2.81	-2.39/-1.62	-2.64/-4.79	-6.37/-4.57	-1.77/-6.94	-5.8/-6.74
Θ (157.5°)	-8.15/-7.06	-6.65/-5.94	-5.17/-4.95	-4.61/-4.13	-3.55/-3	-2.97/-3.01	-3.38/-4.09	-4.02/-3.2	-2.33/-2.27	-3.27/-4.59	-6.67/-9.01	-10.47/-9.78	-9.11/-8.53	-6.71/-5.88	-5.82/-6.44	-8.45/-10.46	-8.53/-6.6	-4.8/-2.68	-1.08/-0.87	-2.02/-3.41	-3.93/-4.32	-4.94/-6.28	-7.91/-8.89	-9.66/-8.74
Θ (165°)	-7.93/-9.33	-8.86/-8.37	-7.66/-6	-3.77/-3.24	-1.68/-2.01	-2.72/-3.09	-3.59/-4	-4.61/-5.4	-7.48/-7.9	-7.17/-5.76	-4.88/-4.81	-5.29/-6.07	-6.3/-5.29	-4.68/-3.68	-3.55/-3.23	-3.78/-5.08	-5.95/-5.71	-5.36/-4.35	-3.39/-3.08	-3.47/-6.1	-5.81/-6.46	-6.49/-6.38	-6.06/-6.69	-5.99/-6.48
Θ (172.5°)	-6.84/-6.43	-6.23/-6.55	-6.83/-7.01	-7.04/-7.65	-7.77/-7.58	-7.71/-7.58	-6.85/-7.39	-6.67/-6.76	-7.4/-7.92	-6.57/-7.72	-10.18/-10.97	-11.09/-10.99	-9.39/-7.83	-6.13/-4.66	-3.93/-3.57	-3.76/-3.97	-3.77/-3.44	-2.99/-2.98	-3.38/-4.68	-6.59/-8.39	-8.92/-8.04	-6.99/-6.44	-6.25/-6.22	-6.65/-6.73
Θ (180°)	-7.15/-6.84	-6.67/-6.23	-5.14/-3.47	-3.85/-3.45	-3.57/-4.07	-4.16/-4.53	-4.92/-5.05	-5.28/-5.91	-6.44/-7.19	-8.15/-9.12	-8.94/-8.89	-7.84/-7.21	-6.18/-5.39	-5.17/-4.94	-4.6/-4.15	-3.6/-2.99	-2.88/-3.32	-4.1/-4.96	-6/-7.38	-8.41/-8.6	-10.94/-10.34	-10.15/-9.83	-9.04/-8.43	-7.78/-7.27
Freq(Hz)	6.995GPol.	ThetaL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DGc(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°)	-7.07/-7.52	-8.14/-8.78	-9.62/-9.77	-10.06/-10.02	-9.6/-9.34	-8.94/-7.93	-7.43/-7.07	-6.29/-6.16	-6.11/-6.42	-6.88/-7.42	-7.37/-7.49	-8.34/-9.42	-9.89/-10.43	-10.53/-10.81	-10.28/-9.54	-8.68/-7.96	-7.76/-7.48	-6.93/-6.44	-6.41/-6.52	-6.2/-5.49	-5.32/-5.37	-5.71/-6.1	-6.65/-6.3	-6.45/-6.81
Θ (7.5°)	-11.06/-10.4	-11.69/-11.51	-10.47/-9.43	-8.29/-8.11	-7.22/-6.98	-6.95/-7.2	-6.81/-6.66	-4.69/-3.68	-3.2/-3.14	-3.25/-3.66	-4.23/-5.33	-6.19/-7.11	-8.16/-8.79	-8.64/-8.59	-8.87/-9.23	-9.9/-10.87	-11.15/-9.84	-9.57/-8.8	-8.23/-7.67	-7.24/-6.71	-6.4/-6.73	-8.3/-9.48	-10.81/-10.71	-11.56/-11.46
Θ (15°)	-4.46/-5.87	-6.91/-6.31	-9.28/-9.3	-8.93/-8.5	-7.14/-6.72	-6.29/-6.52	-6.53/-6.61	-6.99/-6.69	-5.5/-4.26	-3.31/-3.07	-3.49/-4.36	-5.5/-6.87	-7.37/-7.47	-8.14/-9.21	-9.96/-10.11	-10.31/-10.42	-10.43/-10.12	-8.74/-7.38	-					

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Appendix B

Θ(37.5°)	-0.61±2.52	-3.57±2.86	-1.83±1.97	-2.81±2.72	-3.36±4.05	-4.44±4.47	-3.2±2.64	-4.02±5.68	-4.91±4.75	-4.81±4.22	-2.47±1.72	-1.88±1.27	-0.6302	1.572/76	2.541/58	0.82±0.15	0.38/0.86	0.58/0.57	-0.82±1.63	-2.25±2.77	-3.37±3.65	-2.65±2.76	-1.21±0.84	-0.350±31
Θ(45°)	-1.58±2.4	-3.23±0.31	-2.58±2.6	-4.2±5.26	-4.36±3.56	-2.54±2.96	-3.25±3.69	-2.83±3.38	-3.27±0.37	-3.21±3.36	-1.63±1.32	-0.97±1.01	-0.95±1.12	0.531/76	1.60±88	1.01±0.8	0.95±0.35	-2.12±1.56	0.05±1.89	1.15±0.72	-0.56±0.34	-1.9±3.19	-2/±0	0.51±0.34
Θ(52.5°)	-2.27±2.84	-2.64±1.23	-1.49±2.27	-3.35±4.37	-2.94±2.02	-4.21±3.44	-1.78±2.29	-3.86±5.37	-3.64±2.83	-3.71±3.05	-2.55±4.48	-3.86±2.39	-2.04±1.59	0.120/95	1.08±2	0.09±66	2.82±31	1.78±19	0.43±0.92	0.51±2.89	-2.24±0.81	-1.83±2.74	-3.28±4.54	-4.03±3.28
Θ(60°)	-1.76±3.44	-4.63±4.53	-2.86±1.34	-1.41±2.57	-2.84±3.41	-2.33±3.16	-3.63±2.27	0.330±32	-2.55±3.68	-3.54±5.05	-5.46±4.48	-6.03±4.22	-3.82±3.81	-0.290/98	1.39±151	2.07±46	4.04±59	2.56±88	1.38±333	1.99±0.64	-3.09±1.33	0.230/7	-1.39±4.45	-3.29±1.55
Θ(67.5°)	-1.52±4.48	-3.36±2.27	-2.04±1.67	-2.24±2.27	-1.89±3.02	-2.27±0.71	-1.17±2.86	-0.94±0.97	-0.39±3.34	-2.33±3.27	-5.15±4.85	-2.7±3.63	-1.29±2.46	-0.21±69	2.38±194	1.76±35	4.74±38	3.11±54	1.25±95	1.68±0.47	-1.43±0.05	1.93±22	-1.95±2.93	-3.14±3.27
Θ(75°)	-3.35±4.43	-3.15±2.94	-2.59±1.85	-2.46±2.21	-2.82±3.06	-2.46±1.4	-3.78±3.48	-1.88±3.1	-1.97±2.33	-3.39±3.13	-4.29±5.95	-4.74±7.21	-4.18±4.92	-1.49±0.59	1.02±151	0.020±39	1.92±82	2.28±2.14	0.52±2.1	0.43±0.32	-2.44±1.75	-0.81±0.49	-1.12±3.05	-2.19±3.28
Θ(82.5°)	-0.95±2.99	-2.48±1.38	-0.19±1.82	-3.06±3.31	-1.07±1.67	-1.94±1.84	-2.39±2.61	-2.59±2.53	-2.82±1.58	-2.93±2.14	-3.13±2.67	-4.94±4.25	-3.98±3.51	-2.21±1.17	1.98±143	-1.29±2.1	3±2.64	2.98±146	2.15±1.01	-0.68±1.32	-0.23±0.01	-1.09±1.03	-3.24±4.33	-1.84±1.31
Θ(90°)	-2.08±2.59	-2.17±2.84	-2.65±2.92	-1.68±2.22	-2.33±1.79	-2.33±3.25	-4.38±1.59	-2.52±6.17	-3.07±2.71	-4.29±3.51	-3.46±3.14	-4±3.469	-3.06±3.92	-2.63±2.37	0.94±0.7	-4.07±0.4	2.76±4	2.42±0.54	1.5±2.75	1.52±0.51	0.44±1.41	-0.66±0.58	-1.25±2.06	-1.25±0.71
Θ(97.5°)	-3.92±2.79	-3.11±4.01	-5.68±3.02	-3.72±3.97	-2.67±3.05	-3.61±2.57	-4.19±3.7	-5.54±9.32	-8.61±8.97	-6.9±6.67	-6.65±5.17	-4.11±2.49	-5.14±4.89	-3.29±3.36	-0.22±0.39	-2.81±0.66	1.62±0.72	1.62±2.14	1.36±63	0.01±0.84	0.10±0.74	-0.51±3.24	-3.35±2.99	-0.86±2.7
Θ(105°)	-5.23±4.18	-5.03±5.54	-2.93±1.94	-1.86±2.29	-3.54±5.35	-5.88±4.26	-5.16±5.43	-9.23±7.85	-6.36±7.59	-7.37±11.17	-8.03±4.4	-3.6±4.4	-4.74±3.93	-1.48±2.68	1.07±1.22	-1.6±1.08	1.19±0.83	1.67±0.26	0.47±0.54	1.95±2.17	-0.85±0.62	-0.33±5.81	-5.77±5.37	-3.34±3.37
Θ(112.5°)	-4.32±4.52	-4.31±5.03	-6.16±7.5	-4.38±3.71	-3.79±3.86	-7.19±5.82	-4.78±5.09	-9.03±7.44	-5.75±7.36	-10.78±8.76	-7±6.83	-6.66±5.65	-5.6±2.7	-3.01±4.29	-0.24±0.56	-6.12±0.48	0.37±0.34	1.16±1.15	3.27±2.79	1.33±2.39	0.43±2.57	0.03±3.58	-2.93±5.03	-4.67±4.75
Θ(120°)	-9.86±5.35	-5.72±5.96	-5.46±4.65	-6.14±4.44	-6.47±5.57	-4.14±4.14	-5.67±6.62	-7.25±2.27	-9.72±10	-9.66±11.9	-12.41±12.05	-11.26±7.05	-5.55±3.75	-4.55±4.01	-2.63±1.88	-3.19±2.06	0.45±1.23	0.78±0.6	2.39±2.27	-0.75±1.56	-2.94±5.7	-0.68±3.5	-2.19±4.82	-4.93±5.64
Θ(127.5°)	-8.26±5.42	-6.49±5.66	-5.81±6.18	-8.42±4.24	-4.05±4.71	-2.61±5.51	-5.79±6.29	-6.56±9.77	-9.52±8.52	-8.08±5.83	-7.6±11.48	-11.81±7.12	-5.6±3.18	-4.25±4.97	-2.85±2.53	-1.87±0.24	0.61±0.1	-1.07±2.32	1.08±2.09	1.85±1.89	-0.3±1.85	-3.89±4.67	-5.92±5.7	-6.17±7.52
Θ(135°)	-6.81±6.61	-6.46±7.13	-6.69±7.2	-6.19±7.14	-6.37±5.43	-6.43±5.95	-3.92±3.71	-7.06±8.2	-7.15±5.21	-4.62±4.6	-4.73±5.99	-7.76±7.39	-6.43±3.37	-4.42±8.67	-4.22±2.56	-0.75±0.18	-0.05±2.81	-1.5±0.24	-0.3±1.36	-1.14±5.12	-3.07±7.23	-6.81±1.78	-1.61±2.05	-3.63±5.55
Θ(142.5°)	-5.84±5.1	-4.71±5.46	-6.11±5.44	-5.39±3.76	-3.64±0.6	-5.39±6.14	-4.71±5.23	-5.68±6.19	-5.38±3.93	-4.26±5.6	-6.04±6.16	-7.9±9.21	-8.74±5.76	-3.51±1.77	-1.33±0.77	-0.5±0.79	-2.89±2.78	-0.77±0.09	0.33±1.02	-1.25±1.8	-4.19±3.52	-4.8±6.96	-3.86±2.51	-4.47±7.71
Θ(150°)	-10.72±4.2	-7.72±6.33	-6.73±10.62	-9.79±5.8	-4.09±3.77	-4.6±4.4	-4.06±4.47	-5.41±5.7	-4.8±4.47	-4.61±5.75	-6.37±6.64	-7.07±8.56	-7.68±7.16	-4.88±2.28	-2.01±2.93	-2.86±2.33	-1.92±1.07	0.26±0.13	-0.44±0.27	0.35±0.3	-0.81±2.29	-5.1±6.75	-5.86±6.14	-7.43±11.11
Θ(157.5°)	-8.37±7.86	-7.84±7.9	-8.41±8.94	-7.95±5.92	-4.71±5.42	-6.91±6.83	-6.84±7.83	-4.59±4.2	-5.01±5.11	-5.11±5.92	-7.61±8.4	-8.74±8.03	-6.75±5.22	-4.46±3.93	-3.23±2.91	-2.24±1.26	-0.74±0.36	0.64±1.25	-1.76±2.12	-0.31±4.91	-7.67±8.99	-7.76±8.91	-9.9±9.4	
Θ(165°)	-7.85±8.02	-7.84±7.6	-6.6±5.03	-3.61±2.81	-3.17±4.51	-6.09±6.45	-6.67±7.22	-7.83±9.22	-11.3±12.65	-7.27±7.15	-7.62±7.33	-5.65±4.04	-3.5±3.43	-2.88±2.01	-1.53±1.79	-2.09±2.41	-2.72±2.48	-1.73±0.93	-0.9±1.84	-3.57±5.44	-3.67±4.99	-8.25±7.98	-7.84±7.66	
Θ(172.5°)	-7.58±6.84	-6.25±6.45	-6.81±6.42	-6.23±6.58	-6.66±6.84	-7.12±7.63	-7.78±7.78	-6.84±6.5	-6.38±6.7	-7.44±8.83	-9.61±10.99	-11.78±12.04	-10.78±8.42	-6.55±5.23	-4.52±3.98	-3.55±3.42	-3.19±2.94	-2.54±2.71	-3.08±4.14	-6.09±7.63	-9.01±9.21	-9.07±8.75	-8.4±8.24	-7.86±7.89
Θ(180°)	-7.23±6.7	-6.54±5.52	-4.45±3.91	-3.82±3.71	-3.61±4.1	-4.36±4.98	-5.59±5.95	-6.07±6.18	-6.42±6.76	-7.45±7.91	-7.37±7.33	-6.63±6.5	-6.4±6.04	-5.91±6.01	-5.85±5.93	-5.3±4.82	-4.58±4.94	-5.61±6.31	-7.27±7.99	-8.67±10.23	-10.81±10.92	-10.7±9.73	-9.16±8.31	-7.34±7.61
Freq(Hz)	6.955GPol.	ThetaL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DG(dB)	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	-5.94±6.06	-6.71±8.47	-9.04±8.86	-9.06±10.19	-11.08±11.43	-11.21±10.73	-10.37±10.07	-9.28±9.7	-9.63±9.84	-9.79±9.41	-9.29±9.74	-9.63±9.89	-9.92±10.01	-9.94±9.29	-9.05±0.95	-9.43±9.37	-9.45±9.22	-8.62±7.6	-6.98±6.51	-6.64±7.01	-6.61±6.02	-5.89±6.87		
Θ(7.5°)	-10.72±8.2	-7.87±9.39	-10.81±11.06	-10.02±9.99	-9.62±9.66	-10.36±9.81	-9.48±9.88	-9.61±6.24	-5.3±5.02	-5.15±5.41	-5.73±5.98	-6.24±6.53	-7.17±9.83	-7.76±7.69	-7.88±8	-9.02±9.54	-10.28±10.21	-10.95±11.24	-10.25±10.03	-8.51±1.17	-6.51±6.36	-7.66±4.84	-8.66±8.53	-9.46±9.69
Θ(15°)	-4.17±5.39	-5.49±6.23	-6.73±7.18	-8.29±10.25	-10.17±10.78	-9.98±8.76	-8.1±8.18	-8.71±9.43	-8.62±7.29	-5.93±4.9	-4.76±4.91	-5.74±6.89	-8.04±8.15	-8.27±8.28	-7.99±7.92	-9.03±10.86	-11.95±10.75	-9.01±7.42	-5.39±4.34	-3.6±3.53	-3.64±3.23	-3.35±3.21	-3.18±2.8	-3.14±3.38
Θ(22.5°)	-0.46±1.81	-3.88±5.26	-5.29±5.34	-5.87±6.6	-8.92±10.13	-9.02±7.48	-5.93±5.25	-5.1±5.66	-6.07±5.85	-6.43±6.47	-5.57±5.03	-5.03±5.5	-7.04±9.7	-11.68±10.73	-9.76±9.12	-9.54±10.74	-11.87±12.41	-10.32±8.11	-6.79±5.74	-5.69±5.64	-5.25±5.16	-4.28±3.02	-2.14±1.12	0.02±0.26
Θ(30°)	-2.58±4.36	-4.51±3.64	-2.75±2.37	-2.85±4.89	-7.38±6.66	-6.46±5.41	-5.82±7.61	-9.09±8.49	-7.43±6.24	-6.6±9.1	-7.32±6.43	-7.25±8.4	-7.82±8.04	-9.36±11.04	-10.71±7.78	-6.8±6.87	-8.18±8.33	-6.41±5.26	-4.64±4.11	-3.97±4.52	-5.75±4.64	-2.54±2.13	-3.33±2.42	-1.87±1.58
Θ(37.5°)	-4.43±5.32	-5.65±4.1	-1.75±2.13	-4.07±6.62	-8.93±8.53	-6.82±6.09	-6.5±7.93	-7.34±6.89	-8.58±8.21	-5.61±6.68	-6.8±6.58	-6.07±4.81	-5.17±6.47	-5.24±4.17	-6.47±7.73	-8.65±8.22	-7.76±6.16	-4.6±3.41	-2±2.54	-3.17±2.8	-5.02±5.79	-3.44±2.78	-4.58±5.24	-4.49±3.26
Θ(45°)	-4.44±5.45	-5.23±5.38	-5.94±0.8	-4.78±7.53	-10.45±6.9	-8.15±5.99	-7.2±8.73	-8.37±6.31	-6.27±6.85	-5.34±5.05	-4.4±5.56	-7.73±5.54	-7.15±8.06	-4.33±1.92	-2.61±5.51	-5.84±5.25	-4.29±1.49	-5.6±5.7	-4.61±2.37	-2.14±3.96	-2.88±2.86	-2.54±1.6	-4.11±5.67	-5.31±4.42
Θ(52.5°)	-2.28±3.73	-2.55±2.41	-4±3.71	-3.68±6.28	-8.85±8.77	-8.89±9.81	-9.56±8.81	-9.34±7.85	-7.23±6.2	-5.71±7.27	-7.75±4.94	-6.54±4.22	-4.06±6.03	-2.93±2.54	-4.01±6.81	-4.9±2.74	-2.35±1.7	-1.05±0.93	-2.34±1.19	-0.57±0.09	0.47±0.29	-1.98±0.67	-0.49±2.86	-3.71±1.73
Θ(60°)	-3.06±3.5	-2.66±1.75	-4.13±5.56	-6.07±6.16	-6.89±8.32	-10.09±10.15	-9.26±9.47	-11.07±5.93	-5.05±6.33	-6.75±4.57	-6.42±4.77	-4.84±5.98	-3.4±4.05	-0.49±0.57	-1.04±2.76	-2.52±0.6	-0.39±1.21	-1.18±0.68	-0.37±0.62	-0.27±0.25	0.32±0.59	-0.54±0.97	-1.18±2.74	-0.66±2.93
Θ(67.5°)	-1.97±2.96	-1.29±2.18	-4.51±4.23	-5±5.77	-7.35±11.12	-8.73±9.45	-8.72±9.31	-12.54±8.73	-4.35±7.07	-6.38±3.04	-3.82±4.57	-1.78±3.64	-2.72±4.67	-2.66±2.75	-2.32±3.49	-2.5±1.92	-1.44±0.35	-0.99±2.31	-3.39±0.25	0.34±0.27	-0.37±1.26	-1.03±0.15	-0.32±0.89	-0.86±0.96
Θ(75°)	-2.42±2.31	-2.82±3.54	-2.76±5.85	-7.21±2.24	-7.15±5.1	-5.07±7.13	-9.79±7.66	-7.42±9.83	-8.66±6.87	-10.01±5.93	-6.38±6.78	-5.14±6.2	-3.87±4.08	-2.82±1.04	0.48±0.61	-1.48±1.53	-1.28±1.74	-1.58±0.04	1.17±0.73	0.44±0.08	-0.81±1.2	0.40±3	-3.2±1.56	
Θ(82.5°)	-1.98±0.52	-1.76±1.36	-2.57±0.2	-4.76±4.27	-8.49±3.34	-5.22±11.78	-11.91±9.67	-6.63±6.71	-9.19±7.06	-5.82±4.97	-3.49±4.69	-2.74±4.6	-2.89±2.79	-1.92±0.3	-1.99±0.78	-0.14±2.27	-2.44±1.83	-3.15±1.33	-1.78±0.45	-0.11±0.41	0.76±0.59	-0.71±1.29	10±85	-1.65±0.19
Θ(90°)	-3.77±1.87	-2.8±3.55	-5.15±5.14	-4.27±7.66	-7.26±2.77	-8.06±9.03	-8.73±9.75	-7.24±6.18	-7.98±4.59	-5.4±5.94	-3.73±3.56	-2.51±0.45	-2.39±1	0.03±1.25	-1.66±0.58	-2.36±4.62	-2.08±1.6	-2.87±1.67	-3.2±2.7	-0.74±0.15	1.44±0.27	1.21±0.37	-0.29±0.41	-1.6±1.06
Θ(97.5°)	-1.89±1.8	-1.37±2.19	-4.31±5.06	-5.26±8.68	-6.74±5.1	-6.42±11.4	-9.48±6.53	-5.41±5.29	-8.41±7.47	-6.18±4.46	-4.11±4.82	-4.18±4.32	-1.81±1.16	-1.67±3.72	-0.62±1.02									



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

Appendix B

Θ(67.5°)	-1.59/-1.34	-1.22/-1.06	-0.97/-1.2	0.29/0.6	0.01/0.22	0.98/0.43	-0.77/-0.99	-0.53/-1.46	-3.01/-1.69	-1.26/-3.15	-4.03/-3.8	-3.15/-4.02	-4.86/-6.21	-6.14/-3.1	-2.11/-1.79	-2.44/-1.85	-0.57/-1.47	-3.08/-5.24	-4.7/-2.56	-1.32/-3.39	-2.74/-3.32	-2.97/-3.03	-3.65/-2.26	-1.34/-0.39
Θ(75°)	-1.71/-1.06	-1.33/-0.38	-1.25/-1.54	-1.35/0.06	0.95/1.24	1.29/0.98	0.64/-0.11	0.13/0.48	-0.88/-3.03	-2.71/-3.41	-2.66/-1.69	-2.19/-3.2	-4.47/-4.9	-5.77/-4.36	-3.24/-2.9	-3.76/-2.48	-1.02/-0.37	-1.54/-3	-2.44/-0.72	-1.12/-2.62	-2.19/-1.32	-1.69/-1.47	-1.27/-1.89	-2.15/-1.32
Θ(82.5°)	-2.16/-2.47	-2.33/-1.46	-2.05/-0.06	0.59/1.14	2.02/1.23	0.16/0.08	0.63/0.63	0.02/-0.14	-0.12/-0.34	-0.9/-2.57	-4.13/-3.99	-4.06/-4.19	-6.07/-6.45	-6.18/-5.47	-3.46/-4.43	-4.86/-3.36	-3.05/-1.5	-3.25/-5.36	-4.75/-3.2	-1.77/-1.52	-2.04/-2	-2.95/-2.01	-2.15/-2.06	-2.28/-2.09
Θ(90°)	-3.88/-4.41	-2.72/-0.34	0.37/0.94	1.28/1.13	0.92/0.93	0.39/0.7	0.86/0.55	0.49/0.28	0.67/0.12	-0.84/-2.39	-3.6/-4.66	-5.66/-6.12	-7.36/-5.72	-6.86/-8.3	-7.34/-9.03	-5.38/-2.87	-1.99/-1.82	-1.61/-3.82	-2.19/-1.14	-0.96/-1.56	-2.36/-2.19	-5.29/-3.7	-4.28/-4.32	-4.56/-3.18
Θ(97.5°)	-5.06/-4.6	-4.41/-4.15	-3.46/-1.76	-0.33/-0.05	0.06/0.34	-0.03/-0.48	-0.91/-1	-1.41/-1.21	-0.96/-1.75	-2.79/-5.51	-7.39/-3.71	-7.03/-4.59	-6.92/-5.55	-7.04/-6	-5.84/-7	-5.74/-6	-5.28/-6.45	-2.8/-5.2	-2.69/-2.75	-1.23/-1.49	-1.76/-2.41	-5.49/-4.9	-5.44/-4.43	-5.57/-3.67
Θ(105°)	-3.69/-5.58	-4.14/-4.71	-4.59/-4.53	-3.02/-1.52	-2.63/-1.39	-1.43/-2.4	-1.95/-2	-0.62/-1.26	-2.3/-3.2	-3.87/-5.1	-7.17/-6.56	-6.85/-5.84	-6.98/-5.42	-6.94/-7.35	-5.36/-5.55	-6.42/-5.83	-5.67/-4.03	-3.05/-1.91	-2.32/-2.77	-1.77/-1.52	-1.46/-3.64	-3.86/-5.25	-5.83/-4.85	-4.37/-5.05
Θ(112.5°)	-5.83/-5.12	-3.94/-3.55	-3.47/-3.74	-4.35/-3.09	-4.81/-4.02	-2.15/-2.3	-2.07/-1.9	-1.68/-2.37	-1.71/-2.49	-3.39/-4.33	-5.81/-6.38	-6.63/-8.06	-9.35/-6.68	-7.71/-9.8	-8.41/-7.94	-7.86/-7.11	-5.41/-2.58	-2.93/-2.3	-2.81/-2.24	-2.51/-0.72	-0.69/-3.47	-3.74/-5.14	-6/-4.26	-5.42/-7.6
Θ(120°)	-6.42/-5.27	-3.82/-3.12	-3.06/-2.74	-2.83/-2.03	-0.93/-2.04	-1.38/-0.41	-1.35/-1.25	-2.32/-1.68	-2.31/-1.47	-5.14/-5.08	-5.4/-6.75	-6.35/-6.53	-6.63/-7.3	-6.67/-7.78	-8.3/-9.6	-5.71/-5.1	-4.78/-3.48	-5.57/-4.13	-4.03/-3.53	-3.64/-2.67	-3.39/-5.54	-7.58/-8.06	-5.26/-4.73	-5.9/-6.85
Θ(127.5°)	-4/-4.11	-4.66/-3.94	-3.27/-2	-1.47/-1.46	-1.21/-0.74	-1.47/-2.33	-2.02/-2.47	-2.83/-3.44	-5.86/-7.53	-5.41/-3.48	-3.37/-3.95	-5.32/-6.54	-7.92/-8.05	-8.63/-11.23	-10.23/-7.9	-6.31/-3.31	-4.75/-4.36	-5.5/-4.69	-7.59/-5.55	-4.23/-6.72	-3.93/-3.56	-8.16/-7.18	-4.43/-5.5	-7.12/-5.35
Θ(135°)	-6.47/-7.36	-7.4/-6.8	-5.53/-5.05	-4.31/-2.84	-2.12/-1.67	-1.82/-2.32	-2.81/-2.16	-2.03/-2.37	-4/-4.95	-6.21/-7.29	-6.74/-5.42	-5.51/-6.34	-6.6/-4.37	-5.91/-6.75	-5.93/-5.49	-4.69/-4.4	-7.3/-10.21	-6.41/-3.96	-5.37/-4.43	-2.99/-4.9	-5.07/-5.99	-7.42/-5.93	-3.25/-3.2	-3.71/-5.89
Θ(142.5°)	-5.7/-5.55	-6.55/-7.43	-9.12/-9.35	-8.8/-7.27	-4.73/-3.08	-2.3/-2.4	-2.85/-2.76	-3.03/-3.47	-4.61/-5.52	-5.72/-6.87	-8.77/-10.52	-9.57/-9.29	-7.76/-7.2	-6.85/-7.49	-7.54/-8.08	-7.19/-6.34	-6.17/-4.39	-3.11/-3.44	-4.86/-4.27	-2.85/-2.3	-3.18/-4.68	-4.64/-7.6	-7.05/-6.3	-6.84/-7.1
Θ(150°)	-8.4/-6.64	-5.69/-4.94	-4.15/-5.52	-7.71/-6.39	-5.5/-4.9	-3.92/-3.81	-3.63/-3.29	-3.52/-3.66	-3.54/-3.35	-3.93/-5.5	-7.63/-8.56	-9.21/-9.69	-7.6/-7.25	-8.45/-9.24	-9.61/-10.88	-11.34/-11.72	-9.86/-5.11	-3.71/-4.31	-3.6/-2.34	-1.28/-1.44	-3.22/-5.01	-6.12/-5.08	-4.06/-5.38	-6.9/-8.83
Θ(157.5°)	-8.21/-7.5	-6.91/-7.71	-7.73/-5.54	-4.72/-5.74	-6.46/-5.96	-5.22/-5.09	-4.66/-4.32	-4.73/-5.15	-4.64/-3.64	-3.16/-4.05	-5.32/-6.07	-6.72/-8.74	-9.58/-7.5	-6.77/-7.13	-7.99/-8.16	-8.15/-8.45	-9.2/-9.78	-8.95/-7.19	-5.3/-4.45	-5.22/-6.21	-9.11/-9.75	-7.74/-6.55	-6.17/-6.64	-8.21/-9.45
Θ(165°)	-6.04/-6.68	-5.68/-4.57	-5.61/-6.6	-7.42/-6.77	-5.85/-5.23	-5.66/-9.33	-6.3/-7.02	-8.03/-8.63	-9.36/-8.99	-8.73/-7.65	-6.49/-6.34	-6.37/-5.96	-5.9/-6.39	-7.64/-8.78	-9.6/-9.6	-9.43/-8.17	-7.11/-5.51	-4.8/-5.48	-4.5/-4.94	-5.57/-6.1	-6.67/-7.48	-7.52/-7.88	-8.21/-7.77	-6.73/-6.14
Θ(172.5°)	-10.55/-11.62	-11.15/-12.2	-12.18/-11.12	-10.17/-8.84	-8.09/-7.59	-7.65/-7.33	-7.06/-7.09	-7.25/-7.01	-6.68/-6.69	-7.02/-7.42	-7.76/-7.81	-8.28/-9.27	-10.16/-11.07	-12.22/-10.97	-8.98/-8.7	-6.46/-6.89	-6.61/-6.43	-6.46/-6.37	-5.67/-7.78	-6.11/-6.87	-7.2/-6.95	-6.35/-6.73	-6.88/-6.61	
Θ(180°)	-11.47/-11.73	-10.57/-10.04	-9.21/-8.7	-7.56/-7.09	-6.37/-6.08	-6.04/-5.58	-5.86/-6.18	-6.48/-6.79	-7.11/-7.55	-8.69/-9.61	-10.25/-11.34	-12.71/-11.83	-11.71/-11.53	-10.66/-9.25	-8.62/-9.07	-8.28/-7.16	-6.41/-6.03	-6.15/-6.04	-6.29/-6.38	-6.31/-7.26	-8.37/-8.97	-9.05/-8.97	-8.89/-9.7	-11.07/-12.05
Freq(Hz)	6.475GPol.	ThetaL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DG(dB)	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	9.54/-8.95	-8.31/-8.41	-8.47/-8.57	-8.83/-8.46	-9.45/-9.27	-9.56/-9.68	-9.03/-9.1	-8.63/-8.53	-8.46/-8.36	-8.86/-8.51	-8.23/-8.84	-8.9/-9.03	-8.57/-8.73	-7.92/-7.57	-7.78/-7.72	-8.28/-8.35	-8.65/-8.85	-8.98/-9.05	-9.22/-9.26	-9.3/-9.07	-8.89/-9.07	-8.89/-9.04	-9.21/-9.11	-9.35/-9.69
Θ(7.5°)	9.34/-9.3	-8.77/-8.48	-8.68/-8.69	-9.06/-8.89	-9.16/-9.63	-9.46/-7.83	-8.38/-7.8	-7.72/-8.14	-7.92/-8.08	-8.06/-7.5	-7.11/-6.8	-7.03/-7.04	-7.97/-7.98	-8.16/-8.94	-9.06/-9.74	-10.75/-10.4	-11.03/-11.05	-10.74/-10.12	-9.83/-8.9	-8.47/-8.95	-9.36/-9.21	-8.98/-9.42	-9.64/-9.87	-9.82/-9.31
Θ(15°)	-7.74/-7.53	-7.2/-8.26	-8.89/-9.98	-10.55/-10.79	-11.19/-9.93	-8.81/-8.55	-7.97/-7.3	-7.75/-7.74	-7.05/-6.67	-6.26/-5.75	-5.65/-5.74	-5.73/-5.63	-5.94/-5.94	-6.49/-7.09	-7.85/-8.55	-9.06/-9.66	-10.57/-11.55	-11.08/-12.11	-12.05/-11.68	-11.12/-10	-8.99/-8.81	-8.79/-8.73	-4.86/-8.03	-7.82/-7.66
Θ(22.5°)	-5.9/-5.61	-5.58/-6.9	-7.38/-7.82	-7.66/-7.98	-9/-9.42	-8.55/-8.66	-8.51/-8.39	-8.05/-8.26	-7.5/-6.39	-6.1/-5.97	-6.2/-6.63	-6.59/-7.28	-8.45/-9.18	-10.24/-10.42	-10.71/-10.24	-9.55/-10.02	-10.46/-10.37	-9.63/-9.38	-9.44/-10.14	-10.21/-9.79	-8.64/-7.96	-8.68/-8.67	-8.1/-7.59	-7.65/-6.54
Θ(30°)	-6.41/-5.52	-4.73/-5.45	-6.38/-6.76	-6.16/-6.91	-8.02/-8.85	-8.67/-9.35	-8.83/-8.64	-8.47/-7.19	-6.35/-5.39	-5.79/-6.6	-6.94/-6.84	-6.96/-10.21	-10.51/-9.92	-9.21/-9.04	-10.14/-10.5	-9.88/-7.27	-6.69/-7.21	-7.46/-7.78	-8.13/-7.13	-5.93/-6.99	-7.53/-6.83	-6.36/-7.17	-7.15/-6.46	
Θ(37.5°)	-5.67/-6.24	-5.41/-4.23	-3.69/-4.67	-6.54/-7.5	-8.02/-8.17	-8.33/-8.59	-8.17/-6.2	-5.98/-5.4	-4.7/-5.44	-5.84/-6.74	-7.15/-8.76	-10.54/-8.88	-7.97/-7.23	-7.35/-7.79	-10.91/-10.08	-9.51/-8.05	-7.11/-6.5	-5.15/-5.13	-5.09/-4.21	-5.96/-6.31	-1.16/-0.98	-2.06/-2.74		
Θ(45°)	-3.55/-3.56	-3.65/-3.26	-4.12/-5.74	-7.1/-7.58	-8.01/-7.9	-7.65/-7.75	-7.47/-6.81	-6.34/-6.02	-5.11/-4.81	-5.93/-5.84	-4.76/-4.65	-5.43/-4.91	-6.75/-9.15	-8.2/-7.45	-8.82/-11.67	-10.66/-10.27	-9.79/-8.1	-4.97/-4.19	-6.4/-7.04	-5.5/-5	-5.91/-5.54	-4.84/-4.28	-4.31/-4.37	-4.49/-3.62
Θ(52.5°)	-2.94/-3.36	-3.49/-3.43	-4.55/-5.5	-6.01/-9.6	-8.41/-6.6	-7.33/-7.26	-6.13/-6.6	-7.57/-9.24	-9.84/-8.17	-7.93/-6.99	-4.27/-4.57	-5.02/-4.91	-6.49/-5.6	-4.5/-5.23	-6.81/-7.35	-5.95/-4.29	-5.21/-6.55	-5.51/-5.09	-4.21/-3.99	-4.95/-4.8	-3.1/-2.75	-3.25/-3.78	-2.26/-2.13	-3.23/-2.73
Θ(60°)	-3.37/-3.99	-4.47/-4.13	-5.41/-4.95	-3.15/-4.66	-5.14/-2.3	-6.68/-8.02	-8.45/-7.66	-7.81/-8.41	-8.25/-8.47	-7.69/-6.92	-5.95/-6.01	-5.97/-4.87	-5.13/-6.47	-4.23/-4.35	-4.26/-4.41	-4.92/-4.11	-4.94/-4.2	-2.47/-3.95	-5.68/-4.84	-3.49/-3.5	-3.39/-3.06	-2.98/-1.76	-1.16/-0.98	-2.06/-2.74
Θ(67.5°)	-4.48/-3.94	-4.22/-5.5	-4.71/-4.57	-5.52/-6.66	-4.92/-5.22	-6.11/-8.76	-10.4/-7.22	-5.33/-5.61	-6.73/-6.76	-7.61/-6.68	-4.91/-2.97	-3.31/-4.17	-3.87/-4.05	-4.29/-4.28	-3.75/-4.12	-3.67/-2.73	-2.65/-2.12	-1.04/-3.18	-2.48/-1.87	-0.33/-1.24	-0.83/-2.1	-3.36/-1.99	-0.45/-0.55	-3.09/-3.74
Θ(75°)	-3.76/-5.66	-4.84/-5.08	-5.62/-8.7	-7.62/-9.26	-8.26/-7.98	-11.1/-10.3	-8.37/-9.98	-9.66/-7.31	-5.34/-7.55	-7.54/-5.69	-4.51/-3.93	-3.78/-4.3	-4.84/-3.84	-4.15/-3.43	-3.12/-2.77	-2.47/-2.91	-1.59/-3.31	-0.89/-2.32	-1.81/-4.03	-0.11/0.03	0.61/-0.84	-1.94/-2.39	-1.61/-2.07	-2.7/-2.5
Θ(82.5°)	-3.08/-4.37	-4.24/-5.03	-4.47/-7.03	-7.81/-7.75	-6.71/-9.17	-8.82/-7.64	-6.55/-7.39	-6.86/-7.11	-4.99/-6.41	-8.35/-5.64	-5.27/-4.25	-3.84/-4.56	-2.7/-3.61	-2.91/-3.47	-2.6/-1.81	-3.79/-2.76	-0.58/-1.22	-0.82/-2.67	-1.61/0.85	0.64/0.64	0.53/-0.48	-0.65/-2.13	-1.09/-0.72	-3.5/-1.61
Θ(90°)	-2.9/-3.01	-2.71/-2.57	-2.81/-3.99	-6/-7.79	-9.34/-7.78	-7.61/-8.49	-8.87/-8.36	-7.78/-10.29	-7.16/-7.91	-7.38/-3.71	-7.24/-4.03	-3.34/-4.62	-2.07/-2.43	-1.22/-2.8	-0.83/-0.33	-3.54/-3.82	-1.04/-1.37	-0.18/-1.72	-4.06/-1.71	0.68/-0.83	-0.42/-2.32	-1.03/-0.21	-2.18/-0.23	-1.99/-1.69
Θ(97.5°)	-2.94/-2.76	-2.33/-2.59	-3.44/-4.27	-6.65/-8.04	-8.6/-8.35	-7.27/-6.27	-6.08/-7.1	-9.55/-7.62	-6.69/-8.04	-5.3/-4.25	-5.08/-4.05	-2.13/-2.14	-2.07/-1.53	-1/-3.25	-1.42/-1.68	-3.19/-3.55	-0.8/-0.37	-0.44/-0.69	-1.25/0.34	1.57/1.14	-1.64/-2.27	-0.86/-0.43	-1.49/-1.46	-2.54/-2.87
Θ(105°)	-3.47/-4.77	-3.61/-5.24	-4.87/-4.29	-8.03/-7.39	-7.58/-8.77	-7.3/-7	-4.44/-5.21	-6.88/-7.57	-6.88/-5.44	-4.46/-4.94	-5.11/-3.62	-1.95/-1.97	-3.13/-5.1	-1.84/-3.54	-3.03/-2.5	-3.29/-2.03	-3.72/-3.5	-1.52/-1.61	-1.27/-0.18	0.07/0.65	0.25/-3.62	-3.14/0.57	0.23/-2.51	-2.67/-4.56
Θ(112.5°)	-4.16/-4.89	-3.91/-5.3	-7.02/-6.23	-7.16/-10.24	-8.2/-7.34	-6.69/-5.24	-5.47/-4.8	-7.42/-7.54	-8.1/-8.37	-7.81/-8.01	-8.19/-6.98	-6.24/-5.95	-3.56/-2.54	-2.25/-3.78	-1.38/-1.95	-4.66/-1.94	-3.86/-1.76	-0.26/-2.05	-2.63/-1.09	0.38/-1.03	-0.24/-3.72	-4.64/-0.76	-0.87/-4.38	-2.48/-5.32
Θ(120°)	-4.99/-4.82	-5.33/-4.39	-6.31/-6.46	-7.11/-7.41	-5.5/-3.66	-4.4/-6	-8.41/-6.69	-9.48/-10.3	-10.61/-10.82	-9.41/-10.01	-9.19/-8.28	-8.16/-7.05	-5.84/-6.66	-3.59/-4.26	-0.53/-0.1	-2.71/-2.07	-2.55/-3.58	0.59/-4	-2.31/-1.03	0.16/-3.37	-0.68/-5.96	-6.94/-4.07	-1.85/-4.56	-3.46/-5.79
Θ(127.5°)	-5.7/-5.54	-7.37/-5.68	-6.65/-7.17	-6.91/-5.83	-5.46/-5.69	-5.69/-7.45	-10.79/-10.07	-10.18/-9.9	-9.43/-7.3	-6.49/-6.73	-5.76/-4.89	-5.41/-5.58	-6.95/-4.52											



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

Appendix B

Θ (120°)	-4.93/-3.57	-2.65/-1.41	-0.3/-0.6	-0.62/-0.95	-2.86/-1.62	-0.09/-0.37	-1.85/-1.75	-1.37/-2.13	-3.24/-2.98	-3.73/-5.46	-6.82/-7.34	-7.61/-6.38	-7.34/-6.06	-11.51/-9.75	-10.47/-6.68	-4.5/-4.24	-2.09/-2.46	-3.26/-3.56	-1.89/-2.74	-5.59/-6.33	-9.56/-6.58	-6.18/-4.48	-2.49/-3.71	-4.69/-6.01
Θ (127.5°)	-8.75/-5.34	-5.22/-3.67	-3.21/-2.8	-3.06/-1.91	-0.84/-1.98	-0.65/-1.21	-1.23/-0.96	-1.28/-2.54	-2.63/-2.58	-3.91/-3.7	-6.54/-11.02	-12.06/-10.18	-8.27/-7.1	-7.77/-8.06	-5.81/-3.95	-4.04/-3.96	-3.05/-3.42	-5.52/-4.52	-1.99/-3.21	-3.03/-3.63	-1.93/-3.3	-4.92/-6.69	-6.85/-6.66	-7.84/-7.63
Θ (135°)	-5.64/-4.55	-3.98/-4.84	-5.26/-6.14	-5.22/-5.4	-4.29/-2.88	-2.27/-1.68	-0.23/-0.05	-1.89/-2.97	-3.27/-2.02	-1.76/-2.22	-2.61/-4.68	-6.16/-7.2	-6.64/-5.48	-6.07/-9.13	-7.81/-5.13	-3.47/-3.11	-2.87/-6.52	-3.83/-2.26	-5.35/-5.04	-2.41/-5.05	-4.22/-7.41	-6.76/-3.91	-2.78/-2.59	-4.9/-5.81
Θ (142.5°)	-3.62/-2.61	-1.7/-1.84	-2.56/-2.59	-2.93/-2.06	-2.65/-3.44	-5.42/-6.04	-2.43/-1.75	-2.09/-2.81	-2.39/-1.04	-1.97/-4.7	-5.53/-5.11	-6.12/-7.34	-9.77/-9.22	-6/-5.01	-5.9/-5.84	-4.6/-4.59	-6.23/-4.03	-2.04/-1.43	-1.48/-3.62	-3.09/-2.55	-4.1/-2.9	-3.93/-4.82	-3.53/-1.81	-2.89/-4.94
Θ (150°)	-7/-5.14	-5.52/-5.03	-6.95/-10.84	-9.74/-7.8	-5.95/-4.1	-3.65/-2.38	-1.27/-1.3	-1.86/-2.38	-2.09/-1.98	-2.78/-5.09	-5.69/-5.55	-6.28/-8.41	-8.17/-8.74	-7.96/-5.22	-5.69/-6.51	-6.65/-8.36	-6.56/-3.83	-1.42/-3.2	-3.52/-2.87	-2.17/-2.23	-2.87/-4.76	-7.08/-7.53	-7.09/-7.33	-6.9/-7.7
Θ (157.5°)	-8.04/-7.13	-7.01/-6.52	-5.88/-5.88	-5.88/-4.78	-3.75/-3.43	-4.01/-4.16	-4/-0.8	-4.09/-3.11	-2.34/-2.09	-3.23/-5.12	-7.19/-8.47	-9.23/-9.43	-6.68/-8.48	-6.91/-5.91	-5.73/-6.28	-7.47/-7.84	-5.59/-3.88	-3.13/-2.25	-1.02/-0.81	-1.97/-3.02	-4.47/-3.89	-3.75/-5.02	-7.76/-9.01	-9.98/-8.38
Θ (165°)	-7.99/-8.82	-8.89/-8.41	-7.99/-5.61	-3.48/-2.18	-1.82/-2.58	-3.62/-3.9	-3.93/-3.96	-4.51/-5.68	-7.36/-8.03	-6.55/-4.98	-4.59/-5.17	-6.34/-7.46	-7.42/-6.13	-5.89/-5.17	-4.36/-3.4	-3.25/-4.05	-4.95/-5.14	-5.38/-4.68	-3.9/-3.36	-3.8/-4.91	-6.08/-6.45	-6.34/-6.59	-5.99/-5.68	-5.93/-6.65
Θ (172.5°)	-6.85/-6.54	-6.18/-6.55	-6.9/-6.57	-6.51/-6.86	-6.64/-6.51	-6.49/-6.7	-7.02/-7.42	-6.66/-6.54	-6.93/-7.32	-8.07/-9.42	-10.4/-11.96	-12.44/-12.21	-10.48/-8.61	-6.8/-5.48	-4.81/-4.34	-4.03/-3.91	-3.8/-3.45	-3.1/-3.21	-3.51/-4.74	-6.93/-8.52	-9.13/-8	-6.88/-6.39	-6.17/-6.2	-6.64/-6.83
Θ (180°)	-6.8/-6.72	-6.85/-6.07	-5.11/-4.51	-4.17/-3.86	-3.89/-4.41	-4.44/-4.9	-5.15/-5.31	-5.49/-6.1	-6.58/-7.34	-8.2/-9.15	-8.84/-8.86	-7.97/-7.35	-6.71/-5.91	-5.49/-5.18	-4.84/-4.7	-4.2/-3.62	-3.34/-3.59	-4.26/-5.04	-6.06/-7.34	-8.21/-9.98	-9.97/-9.51	-9.13/-8.36	-6.96/-6.93	
Freq(Hz)	6.995GPol.	Theta ₁	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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°)	-8.5/-8.69	-8.98/-10.28	-10.18/-10.15	-10.58/-10.36	-10.16/-10.13	-9.77/-8.99	-8.39/-7.8	-9.09/-6.99	-7.04/-7.52	-7.92/-6.86	-6.89/-6.66	-7.97/-10.75	-10.67/-10.73	-10.61/-11.17	-10.83/-10.31	-9.3/-8.54	-8.35/-8.15	-7.74/-7.53	-7.79/-7.74	-7.54/-6.72	-6.51/-6.4	-6.8/-7.34	-8.13/-7.7	-8.75/-8.38
Θ (7.5°)	-10.57/-9.67	-10.53/-11.19	-10.57/-10.37	-8.93/-8.5	-7.99/-7.72	-8.07/-7.93	-7.62/-7	-5.93/-5.03	-4.46/-4.55	-4.84/-5.33	-6.08/-7.27	-8.49/-9.46	-10.66/-10.69	-10.08/-9.67	-9.77/-9.71	-10.08/-10.71	-11.3/-10.68	-10.73/-10.31	-9.7/-9.17	-8.14/-7.3	-6.6/-6.95	-8.19/-9.02	-10.01/-9.44	-10.1/-10.7
Θ (15°)	-3.66/-4.9	-5.76/-6.61	-7.51/-7.93	-8.25/-8.74	-7.72/-7.76	-7.48/-7.74	-7.37/-7.56	-7.61/-7.77	-6.71/-5.62	-4.82/-4.55	-4.98/-6.86	-6.86/-7.92	-8.81/-8.72	-9.05/-9.95	-9.75/-9.97	-10.41/-10.88	-10.74/-10.86	-10.37/-10.32	-8.92/-9.52	-6.82/-6.76	-6.71/-6.57	-6.74/-6.08	-5.28/-4.09	-4.11/-3.36
Θ (22.5°)	-1.9/-3.26	-4.9/-6.04	-6.37/-6.33	-6.16/-6.61	-7.06/-7.61	-8.21/-7.85	-6.83/-6.27	-5.76/-5.55	-5.45/-5.41	-5.54/-5.45	-4.98/-4.92	-5.99/-7.93	-9.52/-10.7	-12.31/-11.71	-11.16/-10.64	-11.42/-11	-10.57/-9.87	-10.39/-9.57	-9.3/-9.1	-9.05/-8.84	-8.12/-5.45	-3.5/-2.7	-1.36/-1.01	
Θ (30°)	-3.71/-4.64	-4.95/-4.34	-2.99/-2.63	-3.09/-5.16	-6.94/-8.65	-7.92/-7.42	-7.56/-7.79	-7.44/-6.51	-5.98/-6	-6.4/-6.31	-5.47/-5.7	-6.14/-6.68	-6.78/-6.88	-7.16/-7.95	-8.13/-6.71	-6.79/-5.94	-8.12/-7.54	-5.9/-6.17	-7.22/-7.67	-7.11/-6.85	-7.53/-5.84	-3.59/-3.7	-5.78/-6.05	-4.3/-3.41
Θ (37.5°)	-2.93/-4	-3.86/-4.39	-2.65/-2.29	-4.88/-6.81	-7.5/-6.74	-5.63/-6.81	-8.73/-8.42	-7.24/-6.76	-6.7/-6.21	-5.13/-5.42	-4.88/-6.33	-7.6/-6.4	-5.8/-5.74	-4.74/-4.94	-6.27/-6.43	-7.58/-6.66	-4.77/-6.41	-5.4/-5.8	-4.82/-4.77	-4.71/-4.84	-7.04/-7.07	-4.82/-4.21	-5.67/-5.38	-3.87/-2.76
Θ (45°)	-3.77/-4.14	-3.61/-4.21	-5.27/-4.56	-4.88/-6.7	-7.17/-7.7	-7.6/-6	-5.17/-5.37	-5.33/-4.91	-4.8/-3.62	-2.46/-3.4	-3.74/-4.78	-7.22/-6.44	-7.65/-6.05	-5.54/-3.35	-2.96/-4	-4.47/-5.46	-6.35/-5.86	-6.28/-6.19	-6.28/-5.87	-5.78/-6.57	-5.51/-4.35	-3.97/-2.48	-2.7/-3.69	-3.53/-3.1
Θ (52.5°)	-2.67/-2.89	-2.51/-3.01	-4.13/-3.57	-3.43/-4.69	-5.33/-5.97	-5.75/-5.75	-6.35/-7.68	-7.8/-7.54	-6.8/-6.22	-5.44/-5.21	-5.16/-3.64	-4.58/-4.31	-4.49/-7.09	-4.74/-5.01	-5.27/-7.44	-6.53/-5.07	-5.14/-4.4	-3.72/-2.87	-4.21/-3.95	-3.29/-1.96	-1.47/-1.27	-3.04/-2.31	-1.5/-3.47	-3.87/-2.7
Θ (60°)	-2.68/-3.6	-3.17/-2.8	-4.2/-4.75	-5.01/-4.56	-4.45/-6.83	-7.13/-6.4	-7.95/-8.77	-8.6/-5.07	-5.64/-6.3	-5.78/-5.03	-3.11/-5.16	-2.64/-3.57	-1.06/-1.31	-1.67/-3.63	-4.09/-2.55	-2.72/-3.84	-3.28/-2.16	-0.26/-0.09	-2.34/-2.85	-1.44/-1.73	-0.67/-0.49	-1.79/-3.38	-1.88/-2.64	
Θ (67.5°)	-2.22/-2.3	-1.52/-2.33	-4.71/-4.77	-5.35/-4.09	-4.73/-6.4	-5.21/-6.87	-6.92/-8.32	-11.95/-9.07	-3.66/-7.01	-5.33/-4.9	-5.04/-3.71	-2.6/-4.21	-4.46/-5.53	-4.16/-4.28	-3.71/-4.69	-3.22/-2.67	-3.2/-1.83	-0.49/-2.32	-0.32/-0.68	0.40/-1.8	-0.03/-1.35	-1.88/-0.97	-0.32/-0.84	-1.4/-1.86
Θ (75°)	-2.05/-2.01	-2.88/-3.55	-2.77/-6.59	-7.56/-2.96	-5.97/-3.41	-2.89/-4.37	-7.5/-6.28	-6.3/-7.83	-6.51/-5.71	-9.8/-6.03	-5.23/-4.74	-3.64/-3.12	-2.64/-2.67	-2.18/-1.77	-0.66/-2.15	-2.24/-1.49	-1.74/-1.06	-2.06/-1.81	-1.940/-1	0.970/8	0.44/-0.72	-1.1/-1.37	0.16/-0.43	-4.18/-0.97
Θ (82.5°)	-3.28/-0.98	-2.55/-3.3	-5.28/-4.69	-6.05/-6.7	-8.12/-3.23	-3.54/-9.18	-10.02/-8.27	-6.4/-6.78	-9.6/-7.8	-5.8/-5	-2.96/-3.83	-2.39/-3.94	-3.07/-2.68	-2.32/-2.07	-2.69/-1.43	-0.08/-2.25	-2.48/-2.21	-3.21/-2.19	-2.25/-0.02	-0.080/-42	0.870/-14	-0.55/-1.3	0.91/-1.22	-2.08/-1.45
Θ (90°)	-4.07/-2.13	-3.02/-2.88	-3.62/-3.98	-4.09/-6.8	-6.49/-2.81	-7.17/-8.03	-7.04/-7.65	-5.93/-4.37	-6.26/-4.44	-5.02/-6.63	-1.66/-3.7	-2.08/-1	0.05/-1.46	-2.080/-44	-0.34/-5.13	-2.06/-0.96	-2.34/-2.94	-4.55/-3.87	-1.47/-0.78	0.21/-1.75	-0.35/-1.27	-0.07/-0.07	-2.59/-1.78	
Θ (97.5°)	-1.94/-2.1	-1.76/-2.11	-3/-5.57	-4.14/-7.35	-6.9/-4.55	-5.42/-9.85	-7.15/-4.65	-4.52/-4.46	-6.77/-6.13	-5.79/-3.72	-3.85/-4.85	-4.1/-3.82	-1.08/-0.98	-1.63/-4.49	-1.12/-1.18	-4.04/-4.71	-1.56/-0.8	-0.95/-2.02	-2.48/-1.42	0.81/-1	0.8/-2.01	0.120/05	0.06/-1.14	-1.38/-2.71
Θ (105°)	-3.66/-3.76	-3.07/-4.17	-3.31/-7.79	-6.99/-8.96	-9.34/-5.57	-4.99/-6.71	-7.38/-6.14	-5.35/-6.11	-5.9/-4.83	-4.74/-5.24	-4.6/-3.21	-2.69/-2.98	-1.59/-1.87	-1.22/-4.9	-4.14/-3.3	-5.47/-5.57	-2.45/-3.44	-1.74/-0.16	-3.37/-3.35	-0.390/-37	-0.24/-3.98	-2.330/-26	1.17/-0.44	-0.01/-1.98
Θ (112.5°)	-1.01/-3.7	-2.25/-4.24	-2.91/-5.97	-6.43/-5.17	-8.09/-6.26	-4.8/-5.8	-7.57/-8	-6.14/-1.1	-5.47/-5.67	-6.52/-6.86	-5.64/-4.22	-5.66/-6.24	-5.4/-6.68	-5.54/-1.6	-5.45/-1.39	-4.55/-0.98	-1.34/-0.36	-4.56/-2.27	-0.21/-4.26	-0.56/-4.84	-1.220/-72	-1.68/-2.26	-2.45/-3.45	
Θ (120°)	-2.78/-4.56	-3.79/-4.67	-3.09/-3.42	-5.15/-5.76	-5.36/-5.78	-7.89/-8.13	-8.52/-7.43	-5.69/-6.92	-8.09/-7.57	-8.57/-8.73	-9.11/-8.54	-8.14/-8.39	-6.77/-2.78	-3.51/-6.25	-3.52/-0.45	-7.35/-1.88	-0.76/-4.66	0.730/32	-2.66/-3.57	-0.45/-1.27	-2.62/-7.03	-3.12/-0.2	-0.76/-3.56	-1.64/-4.54
Θ (127.5°)	-3.55/-4.95	-6.22/-5.7	-5.57/-4.98	-5.29/-6.8	-6.07/-5.9	-8.97/-9.49	-6.58/-5.97	-6.86/-6.04	-7.16/63	-8.99/-6.15	-6.12/-6.83	-9.38/-10.3	-5.4/-3.04	-2.55/-4.71	-3.35/-0.82	-2.59/-1.61	-1.18/-1.79	1.260/65	-5.4/-7.07	-3.25/-1.79	-3.27/-2.12	-4.58/-0.81	-0.97/-3.22	-1.85/-4.64
Θ (135°)	-4.32/-4.11	-5.2/-4.62	-5.59/-5.28	-6.6/-8.57	-9.96/-9.01	-6.3/-8.41	-9.47/-9.6	-11.37/-9.46	-9.04/-7.87	-6.35/-6.08	-4.6/-6.68	-5.23/-5.43	-4.18/-2.78	-2.8/-4.24	-2.29/-3.06	-2.81/-4.62	-5.42/-4.2	-1/-1.32	-5.34/-6.44	-4.13/-3.15	-3.93/-3.37	-1.99/-1.14	-1.2/-2.85	-4.25/-5.06
Θ (142.5°)	-6.39/-6.46	-6.73/-6.8	-6.63/-7.08	-7.17/-7.79	-7.4/-7.58	-7.15/-6.5	-6.94/-7.98	-8.77/-9.08	-8.33/-8.29	-6.3/-5.42	-3.92/-3.49	-3.61/-2.71	-2.7/-1.7	-1.78/-2.07	-2.81/-5.14	-5.01/-4.51	-7.15/-2.92	-0.91/-2.07	-8.77/-9.16	-4.93/-3.05	-5.01/-3.26	-2.63/-2.54	-1.93/-2.04	-2.63/-4.07
Θ (150°)	-3.7/-4.43	-4.35/-4.86	-5.92/-6.15	-5.42/-5.87	-6.89/-6.74	-6.29/-7.33	-8.46/-8.95	-8.38/-8.22	-7.7/-8.06	-6.73/-5.6	-4.96/-3.55	-3.34/-4.47	-4.76/-3.74	-3.17/-2.82	-3.93/-4.39	-5.09/-6.9	-7.27/-1.67	-0.58/-2.4	-6.89/-9.3	-7.98/-5.78	-5.34/-4.38	-3.44/-3.58	-3.49/-2.66	-2.11/-2.42
Θ (157.5°)	-3.46/-2.8	-3.18/-3.68	-4.37/-6.19	-5.23/-6.19	-6.71/-9	-10.42/-11.85	-11.43/-10.68	-10.65/-10.49	-10.15/-8.92	-7.8/-6.68	-6.19/-4.59	-3.4/-3.47	-4.71/-7.47	-8.66/-7.52	-7.52/-8.13	-7.72/-7.93	-8.05/-6.09	-4/-3.68	-5.22/-7.56	-8.41/-5.6	-4.48/-4.67	-4.4/-4.8	-5.18/-4.66	-3.88/-3.02
Θ (165°)	-2.75/-1.98	-2.24/-2.52	-2.66/-2.97	-3.81/-4.89	-6.12/-7.47	-8.89/-8.05	-8.07/-8.71	-9.76/-9.66	-8.56/-7.8	-7.67/-7.09	-5.89/-4.63	-3.57/-3.01	-4.21/-4.01	-4.21/-3.52	-2.61/-2.33	-2.67/-3.4	-3.25/-2.81	-3.09/-4.66	-7.05/-9.23	-8.75/-7.23	-6.16/-6.48	-6.14/-6.01	-5.13/-4.06	-3.72/-3.18
Θ (172.5°)	-5.89/-7.3	-6.86/-6.16	-5.56/-4.93	-5.06/-5.33	-6.32/-7.81	-8.74/-9.75	-9.76/-10.41	-10.57/-9.61	-8.39/-7.32	-6.24/-5.72	-5.36/-4.52	-4.21/-3.81	-3.71/-3.76	-3.61/-3.6	-3.41/-3.2	-3.12/-3.38	-3.74/-4.45	-5.77/-7.04	-7.58/-7.39	-7.24/-7.05	-6.52/-6.8	-6.85/-6.75	-5.53/-4.94	-5.42/-5.15
Θ (180°)	-4.22/-3.62	-2.96/-2.77	-3.37/-4.31	-5.74/-6.46	-6.88/-7.82	-8.19/-11.52	-11.98/-11.11	-9.98/-8.36	-7.3/-6.43	-5.84/-5.41	-4.88/-4.52	-4.36/-4.25	-4.25/-4.66	-5.28/-6.36	-7.27/-7.68									



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

Appendix B

Θ (150°)	-8.17/-9.78	-9.45/-9.75	-10.14/-11.86	-11.33/-7.52	-5.59/-5.08	-6.27/-8.48	-8.96/-8.31	-7.85/-7.49	-7.77/-7.74	-6.93/-6.96	-5.98/-6.05	-5.66/-4.41	-3.18/-2.28	-0.91/-0.03	0.59/0.29	-0.62/-1.31	-1.15/-4.44	-0.21/-0.14	-0.13/-1.12	-4.21/5.29	-6.32/-6.43	-6.38/-6.49	-6.52/-6.56	-5.67/-6.5
Θ (157.5°)	-9.48/-9.75	-9/-9.82	-10.78/-10.57	-9.51/-7.95	-8.15/-8.77	-8.64/-8.44	-8.59/-9.25	-9.91/-9.5	-8.56/-7.27	-6.78/-6.93	-7.3/-7.05	-5.89/-4.59	-3.29/-2.01	-1.61/-1.05	-1.52/-1.51	-2.06/-1.62	-0.98/-1.1	-0.93/-0.08	0.39/-0.36	-2.04/-3.9	-6.22/-7.83	-7.71/-7.47	-7.61/-8.41	-10.35/-9.86
Θ (165°)	-7.56/-8.11	-8.71/-8.93	-9.74/-10.31	-10.87/-10.28	-9.73/-9.71	-10.77/-11.16	-11.67/-11.88	-11.67/-10.67	-10.03/-9.29	-9.12/-9.28	-8.31/-6.91	-6.22/-5.71	-5.82/-5.97	-5.89/-5.95	-5/-3.4	-1.75/-0.83	-0.83/-1.22	-1.49/-1.11	-0.89/-1.1	-2.2/-3.97	-5.69/-8.27	-11.54/-12.38	-11.61/-11.77	-9.81/-8.51
Θ (172.5°)	-8.97/-8.95	-9.27/-8.99	-8.64/-8.5	-8.9/-9.19	-9.32/-9.92	-10.4/-9.2	-8.93/-9.08	-8.41/-7.15	-6.4/-5.95	-6.49/-7.37	-8.57/-9.38	-8.87/-8.89	-8.27/-7.71	-7.21/-6.87	-6.31/-6.39	-6.48/-6.01	-5.69/-4.87	-4.21/-3.88	-3.65/-3.87	-4.68/-5.64	-6.82/-8.86	-10.36/-10.95	-10.19/-9.24	-7.75/-7.9
Θ (180°)	-9.25/-8.47	-7.33/-6.85	-6.49/-6.7	-7.13/-8.01	-8.47/-7.72	-7.09/-7.21	-7.31/-7.08	-6.89/-6.5	-6.58/-6.44	-6.93/-7.47	-7.66/-7.62	-7.74/-7.61	-7.71/-7.86	-8.17/-8.79	-8.42/-7.8	-6.88/-5.96	-4.93/-4.02	-3.39/-3.2	-3.41/-3.88	-4.44/-5.61	-6.85/-7.53	-7.71/-8.04	-9.06/-10.11	-10.87/-9.8
Freq(Hz)	6.475GPol.	Theta ^z																						
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°)	-8.72/-10.55	-10.01/-8.68	-7.45/-7.26	-6.52/-6.36	-5.83/-5.04	-4.51/-3.91	-3.61/-3.43	-3.43/-3.74	-3.73/-3.92	-4.38/-4.82	-5.78/-6.68	-7.19/-7.84	-8.47/-8.94	-8.74/-8.04	-7.66/-7.18	-6.55/-5.45	-4.42/-3.85	-3.71/-3.74	-3.61/-3.54	-3.41/-3.49	-3.57/-3.8	-4.42/-4.69	-4.42/-5.05	-6.52/-7.87
Θ (7.5°)	-7.1/-7.82	-7.51/-5.92	-5.06/-4.15	-3.51/-3.6	-3.5/-3.49	-3.51/-3.32	-3.12/-3.36	-3.6/-3.86	-4.07/-4.12	-4.57/-5.23	-6.24/-7.48	-8.33/-8.95	-9.34/-9.47	-9.21/-8.9	-7.93/-7.13	-6.35/-5.81	-5.12/-4.67	-4.32/-3.97	-3.68/-3.53	-3.43/-3.53	-3.73/-3.95	-4.18/-4.6	-4.75/-4.59	-5.45/-6.54
Θ (15°)	-7.08/-6.07	-5.75/-5.39	-4.79/-3.74	-3.3/-3.41	-3.39/-3.84	-4.06/-3.88	-3.63/-3.76	-3.91/-4.09	-4.14/-3.89	-3.99/-4.36	-4.83/-5.66	-6.2/-6.25	-5.78/-5.17	-4.57/-4.39	-4.31/-4.04	-4.8/-5.47	-6.22/-6.82	-7.08/-7.07	-6.06/-4.8	-4.09/-3.67	-3.64/-3.97	-4.21/-4.23	-4.72/-5.19	-6.1/-6.69
Θ (22.5°)	-8.76/-8.09	-7.77/-6.58	-6.01/-5.95	-6.19/-6.38	-5.48/-4.86	-4.86/-4.63	-4.52/-4.65	-5.06/-4.87	-4.82/-4.8	-4.67/-4.4	-4.5/-4.88	-5.3/-5.64	-5.52/-4.62	-3.8/-2.84	-3.13/-4.5	-6.55/-7.32	-6.35/-5.48	-5.17/-5.27	-5.84/-5.27	-4.34/-3.61	-3.97/-3.84	-3.69/-3.84	-4.55/-5.36	-7.63/-10.05
Θ (30°)	-6.43/-5.44	-4.88/-4.78	-4.48/-5.23	-6.62/-6.04	-5.54/-5.28	-4.53/-3.49	-4.14/-5.8	-4.19/-4.04	-4.65/-5.08	-4.15/-5.04	-4.59/-4.8	-4.58/-5.11	-4.16/-6.54	-6.06/-4.95	-5.08/-6.06	-7.47/-7.31	-7.16/-7.32	-6.82/-6.5	-6.48/-7.33	-7.47/-7.08	-5.96/-5.6	-5.44/-7.6	-4.96/-5.87	-7.32/-7.08
Θ (37.5°)	-4.16/-2.38	-2.86/-3.85	-2.69/-3.23	-4.85/-4.56	-4.52/-5.13	-4.54/-5.49	-5.91/-5.54	-5.25/-5.02	-4.53/-4.07	-3.8/-3.99	-3.82/-3.5	-3.95/-5.78	-1.88/-7.71	-7.39/-6.87	-5.69/-5.65	-7.49/-7.51	-7.03/-6.56	-5.44/-5.68	-5.87/-5.42	-7.28/-6.57	-7.49/-6.78	-5.21/-5.22	-5.35/-6	-6.79/-6.14
Θ (45°)	-4.03/-3.48	-3.98/-4	-3.24/-3.8	-3.76/-3.3	-3.84/-4.73	-4.79/-4.04	-4.24/-4.28	-3.58/-2.48	-2.56/-3.46	-3.64/-4.31	-3.81/-3.29	-2.41/-3.1	-5.03/-5.29	-5.96/-6.53	-5.46/-6.36	-6.15/-4.62	-4.79/-4.18	-4.12/-7.07	-11.09/-9.13	-7.08/-5.29	-4.38/-4.64	-7.88/-8.97	-7.56/-5.25	-4.18/-5.14
Θ (52.5°)	-3.3/-2.96	-4.45/-3.55	-3.53/-3.67	-3.12/-2.8	-2.45/-1.34	-1.83/-2.98	-2.59/-1.83	-1.25/-1.04	-2.14/-3.71	-4.21/-3.81	-3.98/-4.07	-3.57/-2.82	-4.83/-5.71	-7.36/-6.51	-6.01/-6.54	-3.59/-3.76	-3.55/-3.95	-7.55/-5.79	-6.51/-6.67	-6.66/-6.53	-3.25/-3.23	-5.69/-5.29	-4.35/-2.22	-2.69/-4.54
Θ (60°)	-1.91/-2.75	-2.58/-1.64	-2.34/-2.81	-4.49/-3.39	-1.65/-1.18	-1.37/-1.63	-2.41/-2.46	-2.51/-1.42	-0.31/-0.9	-1.66/-1.98	-2.52/-2.37	-3.64/-2.87	-4.29/-3.15	-3.69/-5.4	-8.16/-6.92	-5.61/-5.77	-5.12/-5.88	-8.85/-10.2	-10.5/-8.35	-6.33/-5.35	-3.33/-3.38	-3.71/-2.89	-2.21/-2.16	-1.78/-2.13
Θ (67.5°)	-1.51/-2.31	-1.5/-0.58	-2.03/-2.08	-4.1/-4.47	-2.86/-1.26	-0.45/-1.15	-2.19/-2.87	-3.43/-2.25	-0.73/-0.96	-1/-0.81	-2.17/-1.15	-4.7/-3.83	-2.8/-2.74	-3.04/-5.07	-6.92/-9.72	-8.28/-4.71	-5.23/-5.99	-6.14/-8.97	-9.58/-11	-7.77/-5.36	-3.57/-3.37	-3.11/-3.77	-3.59/-2.62	-1.41/-1.62
Θ (75°)	-1.91/-1.12	-1.32/-0.54	-0.83/-1.68	-3.48/-3.21	-1.92/-0.96	-1.07/-1.64	-2.26/-2.86	-1.94/-2.06	-1.3/-0.85	-0.83/-2.48	-2.65/-2.55	-4.55/-6.81	-7.02/-6.04	-7.33/-6.33	-7.12/-8.88	-9.31/-8.82	-9.33/-11.27	-9.26/-10.17	-10.56/-12.02	-9.23/-7.24	-5.28/-3.78	-5.36/-4.06	-3.88/-3.43	-3.91/-2.47
Θ (82.5°)	-2.07/-1.46	-1.52/-0.8	-1.26/-2.08	-3.53/-3.41	-2.56/-2.1	-1.43/-1.59	-2.24/-2.1	-2.89/-2.84	-1.23/-0.74	-1.41/-1.29	-2.49/-5.4	-4.77/-5.2	-6.93/-8.56	-7.6/-6.42	-7.04/-7.35	-7.76/-7.39	-8.25/-8.3	-8.77/-7.48	-8.3/-6.96	-7.39/-5.55	-4.55/-4.17	-5.38/-4.71	-2.92/-3.5	-1.62/-1.16
Θ (90°)	-1.43/-1.78	-2.17/-1.91	-2.71/-1.92	-4.69/-3.26	-2.75/-3.24	-2.37/-3.04	-2.92/-2.07	-2.82/-2.46	-0.93/-1.33	-1.07/-0.85	-2.14/-5.54	-5.38/-5.21	-5.17/-8.2	-6.34/-7.49	-9.37/-6.26	-7.07/-6.55	-6.76/-7.83	-5.4/-9.12	-8.16/-3.63	-4.37/-7.34	-4.94/-8.9	-4.96/-2.97	-2.16/-3.92	-1.78/-1.76
Θ (97.5°)	-2.69/-2.45	-2.2/-3.21	-2.64/-3.13	-4.1/-3.41	-2.55/-3.05	-3.87/-3.79	-2.61/-1.74	-2.29/-2.47	-2.36/-1.63	-1.69/-1.46	-2.74/-3.94	-5.99/-7.58	-8.74/-8.28	-8.51/-6.36	-8.01/-8.11	-7.95/-7.69	-6.59/-4.29	-2.86/-2.72	-4.82/-4.07	-4.14/-4.27	-3.51/-4.39	-4.95/-3.56	-2.69/-3.43	-2.26/-2.21
Θ (105°)	-3.09/-4.24	-3.96/-3.72	-2.91/-2.04	-2.13/-1.22	-1.48/-3.68	-5.31/-3.54	-1.82/-0.55	-1.58/-3.08	-3.16/-2.8	-2.8/-2.21	-2.95/-3.87	-4.91/-6	-6.64/-7.41	-7.6/-7.88	-5.39/-5.65	-8.01/-6.22	-5.54/-5.95	-4.48/-2.53	-4.36/-5.73	-4.21/-4.78	-6.83/-5.45	-5.26/-4.76	-3.61/-4.32	-2.86/-3.56
Θ (112.5°)	-4/-3.86	-3.53/-3.13	-3.43/-2.73	-3.53/-2.6	-3.25/-4.11	-4.18/-3.72	-2.38/-1.99	-2.52/-2.61	-2.65/-3.29	-3.74/-4.64	-4.93/-5.48	-4.28/-4.34	-5.86/-7.08	-8.05/-7.73	-7.3/-8.21	-8.05/-6.82	-5.11/-7.62	-4.82/-2.03	-4.64/-6.69	-3.23/-3.41	-3.18/-6.27	-6.77/-3.92	-4.23/-4.89	-4.26/-3.01
Θ (120°)	-5.54/-6.07	-5.84/-4.27	-3.6/-3.38	-3.67/-4.86	-6.35/-6.8	-5.71/-2.88	-2.46/-2.72	-3.65/-3.68	-3.53/-4.45	-5.8/-6.72	-6.9/-6.36	-6.24/-6.53	-6.33/-6.64	-6.43/-6.47	-6.54/-3.5	-6.22/-5.56	-4.69/-4.79	-2.96/-2.79	-3.05/-5.56	-4.25/-5.57	-1.76/-6.18	-6.13/-3.89	-3.27/-3.58	-2.78/-3.93
Θ (127.5°)	-3.06/-4.28	-5.47/-4.82	-3.27/-2.78	-2.71/-4.15	-7.03/-7.17	-4.74/-4.17	-4.51/-3.6	-4.09/-4.24	-3.4/-2.64	-2.35/-3.76	-5.76/-7.94	-6.12/-6.98	-4.97/-3.31	-4.58/-6.05	-6.35/-7.88	-10.27/-7.05	-3.4/-5.88	-3.52/-1.52	-2.97/-3.44	-2.41/-5.39	-0.75/-2.83	-3.93/-4.25	-3.27/-3.2	-1.61/-1.22
Θ (135°)	-2.47/-3.48	-2.38/-2.74	-3.07/-2.86	-3.34/-3.5	-4.07/-5.55	-5.9/-4.9	-4.33/-3.19	-3.33/-3.77	-3.97/-3.89	-4.16/-6.01	-5.93/-5.1	-7.3/-9.01	-8.06/-6.71	-6.37/-9.08	-7.77/-9.4	-2.98/-7.45	-3.85/-1.45	-3.53/-4.13	-2.98/-1.67	-1.84/-1.84	-2.08/-3.95	-4.23/-4.89	-4.22/-2.18	-1.87/-1.76
Θ (142.5°)	-3.5/-3.02	-3.1/-2.25	-1.95/-2.71	-3.38/-3.22	-3.75/-6.08	-7.22/-5.81	-4.12/-2.53	-1.16/-1.84	-4.45/-5.6	-4.22/-4.12	-5.08/-9	-10.81/-11.49	-11.74/-11.02	-11.46/-10.91	-10.14/-11.96	-9.16/-8.1	-7.42/-8.9	-4.89/-2.68	-2.65/-2.93	-2.68/-7.82	-5.69/-4.32	-2.23/-2.97	-2.45/-2.65	-2.81/-2.87
Θ (150°)	-1.79/-1.94	-1.74/-2.23	-2.27/-2.52	-3.05/-4.57	-6.73/-7.97	-8.17/-7.13	-6.42/-4.03	-3.48/-4.65	-5.53/-6.14	-6.54/-7.05	-7.63/-8.55	-10.55/-10.3	-9.56/-9.19	-9.08/-10.07	-10.14/-9.32	-9.5/-9.94	-10.95/-10.22	-6.68/-4.92	-5.69/-4.73	-2.93/-3.45	-5.86/-6.22	-4.4/-2.88	-2.96/-3.01	-3.69/-2.25
Θ (157.5°)	-4.48/-4.81	-4.96/-4.22	-4.23/-5.34	-6.96/-10.13	-10.28/-8.57	-9.26/-10.48	-8.93/-8.24	-9.15/-8.33	-6.68/-5.04	-3.84/-3.78	-5.12/-7.56	-8.23/-7.39	-7.38/-7.93	-8.49/-9.45	-9.48/-9.26	-10.03/-10.16	-9.06/-9.92	-8.54/-6.27	-5.9/-3.87	-2.19/-2.37	-3.99/-4.69	-4.52/-3.28	-3.16/-4.05	-4.73/-5.06
Θ (165°)	-10.91/-10.34	-10.83/-11.96	-11.18/-10.35	-10.03/-9.85	-10.85/-11.04	-10.94/-10.87	-9.79/-8.65	-8.95/-10.17	-9.09/-5.64	-3.97/-3.31	-3.5/-4.47	-4.97/-4.98	-5.34/-5.93	-6.43/-6.28	-6.06/-6.48	-7.66/-8.55	-8.52/-9.95	-8.88/-8.62	-6.63/-4.26	-2.92/-2.05	-2.57/-4.39	-6.01/-5.8	-6.81/-6.69	-8.65/-10.44
Θ (172.5°)	-9.51/-8.51	-8.32/-8.68	-8.83/-9.59	-9.76/-9.95	-10.36/-9.87	-9.99/-10.08	-10.29/-10.65	-10.76/-9.93	-9.18/-8.31	-7.27/-6.41	-6.29/-6.39	-6.53/-6.61	-6.89/-7.23	-7.14/-6.58	-6.17/-5.64	-5.22/-5.13	-6.15/-8.17	-9.77/-10.33	-7.79/-5.71	-4.07/-2.71	-2.45/-3.65	-5.88/-7.6	-7.83/-8.25	-8.37/-8.14
Θ (180°)	-7.83/-8.08	-8.99/-10.67	-10.36/-10.06	-9.78/-8.93	-7.9/-7.94	-9.11/-10.26	-10.08/-9.73	-9.25/-9.91	-8.7/-8.43	-8.12/-6.69	-7.31/-7.2	-6.69/-6.19	-5.9/-5.57	-5.68/-6.32	-6.61/-7.35	-7.81/-8.61	-9.02/-9.54	-9.72/-9.12	-9.23/-9.54	-9.66/-9.23	-8.08/-7.74	-8.33/-8.77	-8.02/-7.97	-9.77/-10.3
Freq(Hz)	6.695GPol.	Phi ^z																						
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°)	-2.22/-1.6	-1.17/-1.01	-0.7/-0.93	-1.38/-1.86	-2.8/-3.39	-4.69/-5.83	-7.01/-8.31	-9.23/-10.75	-9.12/-7.91	-6.67/-5.53	-5.16/-4.73	-4.16/-3.44	-3.03/-2.56	-2.32/-2.31	-1.99/-1.89	-2.22/-3.04	-3.72/-4.38	-5.06/-6.01	-7.22/-8.32	-9.51/-9.48	-8.48/-7.45	-6.57/-5.92	-5.33/-4.87	-3.85/-2.69
Θ (7.5°)	-4.09/-3.86	-3.94/-3.64	-3.84/-4.02	-3.75/-3.47	-3.68/-3.81	-4.09/-4.07	-4.21/-4.65	-4.84/-5.13	-5.61/-6.16	-5.97/-6	-5.63/-5.21	-4.47/-3.22	-2.54/-2.1	-										



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

Appendix B

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°)	-2.5/-3.2	-4.48/-5.18	-6.34/-5.92	-5.65/-5.79	-5.62/-5.17	-4.89/-4.55	-4.33/-4.23	-3.92/-3.86	-4.28/-4.17	-4.37/-4.24	-5.13/-5.66	-5.44/-5.82	-5.92/-6.43	-7.2/-7.04	-6.81/-5.73	-5.19/-5.01	-4.8/-4.25	-3.94/-3.98	-3.79/-3.76	-3.76/-3.96	-3.72/-3.41	-3.2/-2.94	-2.35/-1.86	-2.08/-1.9
Θ(7.5°)	-1.96/-6.9	-7.19/-6.96	-7.38/-6.48	-5.82/-4.57	-3.47/-3.21	-3.42/-3.79	-4.18/-4.22	-3.88/-2.31	-1.76/-1.34	-0.87/-0.98	-0.87/-0.98	-1.29/-1.5	-2.27/-3.42	-4.72/-6.17	-7.74/-8.21	-8.74/-8.45	-7.42/-6.82	-6.29/-5.79	-5.18/-4.78	-4.22/-3.51	-3.18/-3.16	-3.83/-4.27	-4.75/-6.18	-7.12/-6.89
Θ(15°)	-6.44/-6.5	-5.65/-5.94	-5.95/-6.04	-7.05/-8.65	-7.64/-6	-4.39/-3.03	-2.54/-2.15	-2.35/-2.12	-1.69/-1.41	-1.03/-0.86	-0.98/-1.66	-2.53/-3.69	-4.66/-5.1	-4.96/-4.82	-4.56/-3.76	-3.7/-3.92	-4.75/-4.66	-4.59/-3.97	-3.11/-2.4	-1.3/-0.69	-0.48/-0.27	-0.18/-0.51	-1.38/-2.55	-3.84/-5.76
Θ(22.5°)	-2.82/-3	-4.21/-5.05	-4.68/-4.47	-4.7/-6.05	-6.3/-6.07	-4.78/-3.16	-1.88/-0.97	-0.81/-1.41	-1.66/-1.22	-1.45/-2.26	-2.35/-2.5	-2.9/-3.4	-3.57/-3.8	-3.95/-3.28	-2.54/-2.19	-2.82/-4.08	-5.41/-6.05	-5.14/-3.5	-2.41/-1.71	-1.1/-0.79	-0.79/-0.71	-0.63/-1.08	-2.4/-2.66	-3.03/-3.13
Θ(30°)	-2.92/-3.16	-3.5/-3.19	-3.57/-4.47	-4.85/-5.39	-6.15/-6.15	-5.32/-5.27	-5.2/-4.41	-3.24/-2.56	-1.79/-0.76	-0.78/-2.08	-2.69/-2.64	-3.2/-3.14	-2.1/-1.86	-2.86/-4.74	-5.78/-5.1	-5.8/-6.3	-4.88/-4.53	-4.12/-3.42	-3.2/-3.27	-3.24/-4.03	-4.63/-6.63	-5.27/-4.18	-4.18/-3.14	-3.11/-2.79
Θ(37.5°)	-2.68/-2.8	-3.89/-3.19	-1.65/-1.6	-2.01/-2.45	-4.92/-6.03	-4.56/-2.66	-1.67/-1.8	-2.41/-1.85	-1.92/-1.9	-1.08/-2.11	-3.55/-4.13	-3.3/-2.69	-2.45/-2.55	-4.34/-8.3	-6.82/-8.43	-7.02/-7.78	-4.44/-5.39	-5.04/-4.52	-3.76/-5.52	-7.15/-7.12	-7.46/-7.09	-5.68/-5.38	-4.35/-3.25	-4.21/-3.93
Θ(45°)	-2.68/-3.03	-3.81/-1.86	-1/-0.35	-0.47/-2.01	-4.69/-4.45	-3.34/-3.68	-3.43/-3.57	-2.03/-0.6	0.27/-1.11	-2.23/-2.26	-1.71/-2.85	-3.42/-3.6	-4.27/-3.54	-3.96/-6.38	-7/-6.64	-7.26/-3.83	-1.99/-2.06	-2.43/-3.49	-4.63/-3.22	-2.82/-4.45	-4.44/-4.25	-3.88/-3.71	-3.55/-3.49	-4.16/-3.89
Θ(52.5°)	-3.46/-3.51	-3.33/-2.23	-2.97/-2.51	-0.88/-0.74	-1.57/-1.65	-2.75/-3.76	-3.21/-1.13	-0.96/-1.07	-1.43/-1.27	-1.87/-3.25	-4.38/-3.14	-3.34/-2.26	-1.39/-1	-0.75/-2.33	-1.85/-3.87	-4.67/-2.25	-2.83/-1.76	-1.83/-4	-7.21/-13	0.36/-2.94	-2.83/-1.76	-5.11/-3.65	-3.71/-3.69	-3.96/-3.85
Θ(60°)	-0.38/-2.44	-1.72/-0.38	-1.11/-1.21	-1.93/-2.9	-1.90/-44	-0.03/-1.83	-1.410.24	-0.07/-1.35	-0.38/-1.18	-2.5/-2.09	-3.66/-3.25	-3.64/-3	-2.57/-2.26	-2.57/-4.96	-3.27/-3.31	-1.89/-2.78	-2.72/-1	-1.25/-3.55	-6.49/-5.06	-4.25/-2.63	-3.72/-5.34	-5.72/-5.9	-4.09/-1.55	-0.47/-1.42
Θ(67.5°)	-1.11/-2.5	-0.56/-0.79	-1.03/-0.99	-2.59/-2.08	0.11/-0.35	-0.87/-1.25	-1.77/-1.7	-0.68/-0.58	-0.86/-0.29	-0.54/-0.61	-1.81/-2.03	-2.63/-3.91	-2.22/-3.72	-4.12/-4.67	-5.07/-5.53	-5.01/-6.34	-6.75/-5.86	-7.3/-5.14	-7.26/-5.47	-4.45/-4.21	-6.32/-6.48	-6.84/-4	-3.67/-3.64	-2.49/-1.54
Θ(75°)	-0.84/-2.71	-1.78/-1.51	-0.98/-2.19	-5.47/-3.86	-1.85/-0.96	0.12/-0.59	-0.55/-1.18	-3.22/-2.37	-1.11/-1.18	-0.71/-0.56	-4.60/-3.55	-3.85/-3.22	-3.13/-7.6	-5.75/-5.46	-6.37/-5.97	-7.63/-9.29	-7.78/-4.99	-4.98/-3.55	-6.25/-7.77	-5.24/-3.48	-3.71/-4.22	-8.78/-2.7	-2.23/-1.7	0.04/-0.97
Θ(82.5°)	-0.61/-1.54	-0.55/-0.83	-0.87/-0.88	-2.45/-0.92	-1.86/-0.9	0.770.61	-0.23/-1.26	-0.63/-0.48	-1.04/-0.52	-0.24/-1.62	-2.43/-3.68	-3/-3.81	-3.86/-3.99	-3.56/-5.64	-6.18/-6.27	-6.27/-6.04	-7.73/-7.99	-9.32/-4.98	-5.71/-8.84	-7.62/-4.27	-5.81/-8.11	-5.37/-3.01	-1.36/-2.39	-1.38/-1.3
Θ(90°)	-2.11/-3.47	-3.38/-4.14	-4.48/-3.49	0.10/36	-1.94/-1.33	-1.26/-1.32	-1.84/-1.42	-0.51/-0.29	-0.74/-1.37	-0.260.35	-1.52/-3.62	-4.62/-4.51	-4.89/-5.68	-5.43/-7.19	-10.92/-6.87	-7.85/-4.3	-6.32/-2.43	-2.89/-6.8	-5.02/-3.29	-2.14/-4.8	-3.79/-0.92	-3.09/-2.81	-0.91/-2.89	
Θ(97.5°)	-3.41/-3.91	-2.18/-2.66	-2.41/-1.09	-2/-2.05	-3.63/-3.37	-1.85/-1.21	-1.59/-2.41	-0.88/-1.78	-1.73/-0.69	-0.61/-2.03	-3.27/-4.89	-4.57/-4.99	-4.84/-4.76	-6.46/-6.43	-3.9/-7.55	-2.94/-5.48	-2.47/-5.51	-5.48/-5.02	-6.11/-5.99	-4.2/-2.62	-1.26/-3.62	-4.68/-0.79	-2.79/-3.29	-1.08/-5.27
Θ(105°)	-1.52/-1.91	0.11/-1.16	-0.65/-0.21	-0.57/-1.23	-3.35/-5.04	-3.05/-1.72	-0.79/-2.05	-3.14/-3.5	-2.78/-1.62	-0.62/-0.86	-2.15/-2.21	-3.27/-4.62	-5.29/-5.16	-5/-5.71	-4.52/-6.56	-4.48/-6.59	-4.59/-1.89	-2.87/-1.92	-3.28/-8.77	-3.25/-1.54	-1.09/-1.75	-3.33/-1.41	-3.25/-4.42	-3.12/-3.84
Θ(112.5°)	-1.92/-2.91	-1.97/-1.89	-0.88/-2.31	-4.06/-3.94	-4.53/-34	-3.55/-2.97	-2.3/-4.2	-3.81/-2.91	-1.97/-2.03	-2.47/-2.84	-3.49/-2.81	-3.87/-4.19	-6.97/-7.4	-6.97/-8.16	-2.21/-2.79	-3.78/-7.46	-3.48/-7.14	-2.46/-3.81	-5.24/-10.83	-4.6/-3.47	-0.76/-1.57	-2.65/-2.22	-1.42/-1.38	-0.47/-1.92
Θ(120°)	-2.97/-3.82	-3.48/-3.54	-3.42/-4	-6.53/-8.3	-5.85/-2.6	-3.47/-4.61	-3.55/-1.94	-2.21/-3.33	-3.82/-3.16	-2.93/-2.88	-2.91/-0.49	-4.45/-5.61	-7.33/-8.21	-7.41/-5.5	-4.11/-4.17	-4.33/-5.42	-8.18/-8.18	-8.8/-8.87	-5.97/-4.2	-1.55/-2.47	-4.41/-4.07	-2.21/-4.36	-4.51/-4.34	-3.87/-3.04
Θ(127.5°)	-1.68/-2	-2.21/-3.19	-4.17/-3.55	-3.2/-5.42	-8.77/-7.86	-5.83/-4.75	-3.27/-3.4	-3.07/-2.98	-3.6/-3.66	-4.02/-4.37	-4.76/-4.51	-2.92/-4.74	-4.55/-3.43	-3.53/-3.81	-4.28/-5.06	-5.75/-7.21	-8.41/-11.39	-8.26/-3.39	-2.34/-3.64	-4.04/-4.26	-2.16/-5.6	-1.73/-0.45	-0.66/-1.64	-0.85/-0.45
Θ(135°)	-4.52/-4.14	-3.38/-3.3	-5.36/-6.22	-4.6/-4.13	-4.84/-4.8	-4.91/-3.48	-2.6/-2.29	-2.13/-3	-3.86/-3.45	-4.28/-2.83	-1.6/-2.9	-4.78/-6.81	-5.34/-6.7	-5.37/-6.44	-4.4/-5.13	-5.04/-8.64	-9.02/-8.43	-6.19/-1.04	-1.64/-1.35	-3.56/-6.4	-1.28/-1.55	-2.26/-2.5	-2.51/-1.03	-0.12/-2.59
Θ(142.5°)	-2.78/-2.44	-3.46/-3.21	-2.29/-1.77	-1.29/-2.24	-3.92/-5.61	-4.89/-5.61	-4.09/-2.49	-2.51/-4.18	-5.22/-3.88	-2.29/-0.99	-4.45/-5.61	-7.33/-8.21	-7.41/-5.5	-4.11/-4.17	-4.33/-5.42	-8.18/-8.18	-8.8/-8.87	-5.97/-4.2	-1.55/-2.47	-4.41/-4.07	-2.21/-4.36	-4.51/-4.34	-3.87/-3.04	
Θ(150°)	-3.18/-2.27	-1.66/-1.4	-1.55/-2.79	-4.25/-3.58	-4.08/-6.95	-7.08/-6.18	-5.28/-3.64	-3.16/-4.35	-5.42/-6.95	-7.97/-6.34	-5.65/-5.46	-6.4/-8.54	-9.57/-8.38	-8.06/-7.07	-8.72/-9.33	-6.01/-7.15	-8.39/-8.57	-6.99/-3.71	-4.42/-5.15	-2.45/-2.93	-4.65/-4.54	-1.7/-0.47	-1.21/-1.77	-1.9/-2.7
Θ(157.5°)	-5.27/-5.1	-6.01/-6.16	-5.65/-5.21	-8.88/-5.62	-7.77/-9.99	-9.93/-9.23	-9.31/-9.4	-9/-7.8	-6.76/-6.08	-5.94/-5.21	-4.84/-4.31	-4.88/-5.78	-6.74/-8.35	-9.22/-9.74	-9.16/-10.22	-11.01/-9.5	-8.2/-8.92	-6.82/-4.93	-5.34/-4.79	-1.69/-1.44	-3.94/-5.43	-6.19/-4.23	-6.4/-5.95	-5.87/-3.54
Θ(165°)	-9.38/-8.27	-8.08/-7.18	-6.96/-9.13	-9.82/-9.17	-9.79/-9.43	-9.03/-9.36	-10.3/-10.18	-10.72/-9.36	-8.64/-7.76	-6.19/-4.16	-2.84/-2.31	-2.7/-3.38	-4.16/-4.7	-5.74/-7.03	-8.09/-14.3	-4.54/-3.68	-4.39/-5.17	-5.43/-4.75	-3.92/-3.25	-2.52/-1.95	-1.82/-2.96	-4.66/-6.02	-6.72/-8.94	-8.51/-8.5
Θ(172.5°)	-4.78/-6.78	-6.48/-6.89	-7.52/-8.54	-10.61/-12.46	-11.8/-9.71	-8.4/-10.74	-12.05/-12.21	-12.47/-11.81	-10.26/-8.28	-7.25/-5.85	-5.63/-5.9	-6.17/-5.97	-5.57/-5.46	-5.4/-5.77	-5.25/-4.83	-4.55/-4.7	-5.3/-6.1	-6.2/-6.41	-6.45/-5.67	-4.5/-3.11	-2.46/-2.64	-3.67/-4.03	-3.91/-4.27	-4.47/-4.22
Θ(180°)	-5.9/-6.67	-7.46/-7.84	-9.02/-9.08	-9.96/-8.49	-6.33/-5.74	-6.25/-7.44	-7.74/-7.33	-7.5/-7.45	-5.81/-4.53	-3.7/-3.63	-3.68/-4	-4.32/-4.9	-5.52/-6.25	-7.36/-6.9	-6.59/-6.51	-6.15/-5.58	-5.11/-5.76	-6.89/-7.42	-6.72/-6.49	-6.53/-5.74	-5.98/-6.2	-7.25/-6.55	-5.24/-4.84	-5.47/-5.81

6G option10

Freq(Hz)	6.175GPol.	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°)	-3.62/-3.87	-3.76/-3.46	-2.99/-5.23	-2.3/-2.15	-2.49/-3	-3.57/-3.66	-3.92/-3.73	-3.91/-4.01	-4.33/-4.68	-4.73/-4.63	-4.9/-5.16	-5.13/-4.84	-4.46/-3.81	-2.99/-2.21	-1.79/-1.93	-2.45/-2.88	-2.93/-3.11	-3.61/-3.68	-3.76/-3.72	-3.75/-3.54	-3.35/-3.63	-3.65/-3.31	-3.18/-3.68	-3.79/-3.75
Θ(7.5°)	-3.24/-2.86	-2.26/-2.05	-1.85/-1.81	-1.76/-1.82	-2.18/-2.62	-3.19/-3.5	-3.68/-3.7	-3.24/-2.95	-2.78/-2.79	-2.47/-2.05	-2.03/-2.23	-2.7/-3.32	-3.54/-4.07	-4.31/-3.36	-2.41/-2.02	-1.96/-1.99	-2.19/-2.46	-2.81/-3.11	-3.65/-4.49	-5.27/-5.56	-6.31/-7.34	-7.12/-6.64	-6.28/-5.68	-4.64/-3.98
Θ(15°)	-1.44/-0.86	-0.45/-0.04	0.1/-0.26	-0.83/-1.21	-1.5/-1.68	-2.02/-1.91	-1.63/-1.06	-0.66/-0.32	-0.43/-0.79	-1.19/-1.76	-2.35/-2.6	-2.8/-3.04	-3.54/-4.11	-4.36/-4.02	-3.47/-2.62	-1.98/-1.73	-1.66/-1.83	-1.95/-2.42	-2.87/-3.74	-4.68/-5.42	-5.73/-5.76	-5.14/-4.01	-3.15/-2.1	-1.79/-1.32
Θ(22.5°)	-2.09/-1.5	-1.58/-1.66	-1.06/-0.69	-0.34/-0.37	-0.83/-1.75	-2.15/-2.34	-2.1/-1.72	-1.34/-0.93	-0.47/-0.22	-0.55/-1.52	-2.27/-3.32	-4.08/-5.09	-5.07/-4.12	-2.54/-1.6	-1.09/-0.8	-0.76/-0.8	-0.99/-1.36	-1.89/-2.66	-3.38/-4.08	-4.94/-5.37	-4.62/-4.14	-3.53/-3.2	-3.13/-3.11	-3.26/-2.58
Θ(30°)	-2.29/-1.6	-0.88/-0.56	-0.22/-0.02	-0.23/-0.51	-0.71/-0.83	-0.84/-0.99	-1.28/-1.47	-1.27/-1.37	-1.71/-1.76	-1.08/-1.38	-2.2/-3.85	-5.27/-6.03	-6.57/-5.86	-4.74/-3.25	-2.24/-1.66	-1.68/-1.98	-2.32/-2.41	-2.26/-2.65	-4.07/-5.56	-5.72/-5.51	-5.19/-3.86	-2.87/-2.67	-3.31/-3.22	-2.57/-1.77
Θ(37.5°)	-0.30/-1	0.26/0.54	0.61/0.41	0.2/-0.37	-0.17/-0.1	-0.41/-0.74	-1.02/-1.27	-1.15/-1.03	-1.46/-1.99	-2.31/-2.26	-2.91/-3.73	-3.8/-2.89	-1.98/-2.12	-2.74/-3.37	-3.66/-3.73	-3.42/-2.18	-0.38/0.16	-0.78/-2.7	-3.82/-4.53	-3.46/-2.21	-1.92/-1.99	-1.35/-0.9	-0.66/-0.75	-0.50/-0.45
Θ(45°)	-0.99/-0.85	-0.16/-1.3	1.72/1.24	1.09/0.54	0.08/0.09	0.62/0.55	-0.33/-0.45	-0.46/-1	-1.77/-2.2	-1.71/-1.32	-2.42/-3.69	-3.51/-2.42	-1.62/-1.87	-2.57/-2.77	-3.2/-3.5	-3.26/-2.57	-1.32/-0.61	-1.52/-1.7	-0.97/0.03	0.54/-0.04	-1/-2.24	-3.01/-2.53	-0.92/-0.78	-1.06/-1.08
Θ(52.5°)	0.19/-0.22	0.71/1.55	1.92/3	3.22/5.6	1.14/-0.08	-0.33/-0.14	0.35/-0.24	-1.1/-2.72	-2.88/-2.35	-2.45/-1.85	-1.71/-3.69	-4.77/-4.02	-2.28/-2.71	-4.1/-3.78	-2.28/-2.04	-3.46/-4.75	-3.78/-2.08	-1.76/-1.16	-0.37/0.27	0.57/0.35	-1.36/-2.24	-3.18/-1.76	-0.37/-0.08	-0.74/-0.19
Θ(60°)	0.91/0.5	0.66/0.97	1.42/2.43	2.23/1.93	1.63/-0.18	-2.28/-2.59	-2.1/-69	-1.95/-2.32	-2.78/-4.59	-3.61/-3.75	-4.55/-5.84	-5.18/-3.75	-2.26/-1.25	-1.73/-3.5	-3.51/-2.68	-2.19/-3.2	-5.63/-4.27	-3.4/-5.4	-3.81/-1.51	-0.04/-1.25	-1.58/-1.24	-0.57/-0.16	1.21/-1.31	1.16/0.85
Θ(67.5°)	-1.09/0.08	0.280.57	0.840.88	0.610.62	0.85/-0.04	-1.04/-1.79	-3.17/-1.27	-1.81/-2.47	-2/-2.48	-2.02/-2.66	-4.05/-5.81	-6.16/-5.86	-4.66/-5.41	-4.69/-3.5	-2.56/-2.83	-2.49/-2.88	-5.26/-5.13	-3.97/-5.86	-4.99/-3.18	-3.09/-4.04	-3.74/-4.48	-2.95/-1.49	-0.49/-0.24	-0.59/-0.5
Θ(75°)	-0.26/0.79	0.09/-0.49	-0.07/0.75	0.56/0.71	0.09/-1.05	-1.47/0.66	0.34/0.37	-0.5/-1.79	-1.27/-1.02	-2.03/-3.68	-5.79/-5.96	-5.31/-5.58	-4.49/-4.03	-3.81/-3.43	-2.94/-2.2	-4.65/-4.27	-3.71/-49	-6.64/-8.49	-5.91/-5.38	-5.94/-6.68	-4.65/-6.11	-5.54/-3.57	-1.56/-1.3	-0.53/0.15
Θ(82.5°)	-0.65/-0.23	-0.75/-2.23	-2.7/-2.09	-1.45/-0.65	-0.87/-1.11	-0.39/0.12	0.71/0.2	0.98/0.98	0.30/0.14	-0.55/-1.94	-2.84/-3.57	-3.15/-2.74	-3.96/-4.4	-5.11/-5.18	-4.52/-5.21	-4.89/-4.55	-6.54/-6.17	-5.46/-3.6	-3.34/-1.49	-4.45/-5.2	-4.91/-6.94	-6.47/-4.9	-3.29/-0.78	-0.2/-0.28
Θ(90°)	-1.75/-1.73	-1.87/-2.52	-3.37/-2.24	-1.4/-1.3	-2.23/-2	-0.63/-0.12	-0.24/0.43	1.71/1.83	0.85/0.11	-0.03/-0.51	-1.89/-3.2	-4.17/-4.61	-3.94/-2.28	-2.98/-3.33	-2.36/-5.61	-5.3/-5.31	-4.86/-4.19	-5.16/-3.73	-3.19/-3.89	-5.99/-6.56	-7.42/-6.52	-4.52/-3.61	-3.49/-3.96	-2.1/-1.84
Θ(97.5°)	-3.69/-3.64	-3.09/-3.18	-2.71/-3.05	-3.5/-2.01	-3.21/-4.49	-3.18/-1.89	-0.78/0.43	22/15	1.65/0.87	-0.77/-1.46	-2.21/-4.54	-5.54/-5.57	-4.21/-4.81	-4.46/-3.21	-5.12/-5.83	-3.09/-3.53	-3.72/-3.26	-1.83/-2.36	-1.12/-1.96	-4.57/-3.96	-4.64/-4.1	-4.03/-4.24	-2.91/-5	-4.35/-4.06
Θ(105°)	-4.53/-4.54	-3.87/-4.39	-3.42/-4.46	-3.94/-2.3	-2.1/-3.24	-2.5/-1.38	-0.61/0.29	1.18/0.16	-0.57/-1.4	-2.14/-2.17	-2.39/-1.87	-2.4/-4.71	-4.68/-4.34	-2.61/-4.27	-4.92/-6.19	-5.37/-6.14	-3.54/-2.26	-0.78/-2.79	-2.84/-2.52	-2.84/-5.72	-7.41/-4.42	-3.66/-5.5	-1.02/-10.21	-8.46/-5.67
Θ(112.5°)	-3.63/-3.29	-3.43/-3.33	-3.85/-3.63	-3.03/-2.24	-1.52/-0.49	-1.66/-1.16	-0.65/0.14	0.75/0.32	-0.33/-0.87	-1.84/-1.73	-2.29/-2.32	-1.63/-1.15	-2.82/-3.78	-3.67/-4.61	-5.14/-4.16	-4.94/-4.51	-4.01/-3.63	-2.78/-1.96	-2.99/-1.98	-4.41/-9.05	-4.58/-4.16	-4.63/-3.25	-4.83/-6.13	-3.02/-3
Θ(120°)	-4.93/-4.72	-5.13/-3.87	-1.81/-0.85	0.32/0.43	0.45/-0.57	-1.1/-1.78	-0.97/-1.56	-2.53/-1.44	0.49/-0.39	-0.44/-1.15	-2.63/-31	-3.83/-3.05	-3.34/-3.05	-3.58/-4.66	-6.17/-4.78	-5.82/-2.26	-5.82/-21	5.01/-5.84	6.3/-3.73	-6.72/-6.66	-4.11/-3.37	-5.43/-7	-7.32/-6.67	-4.89/-4.64
Θ(127.5°)	-8.28/-6.81	-5.25/-3.55	-2.28/-1.05	-0.83/-1.06	-2.02/-1.85	-1.64/-1.19	-0.87/-0.71	-0.96/-1.5	-1.06/-4.7	-0.94/-1.5	-3.4/-1.5	-4.64/-5.68	-6.35/-6.61	-6.16/-8.47	-4.83/-4.94	-6.22/-4.57	-2.55/-4.12	-4.63/-2.75	-6.68/-7.35	-3.14/-2.63	-4.94/-6.92	-6.55/-9.94	-9.42/-6.01	-9.42/-6.01
Θ(135°)	-5.87/-6.12	-4.64/-4.48	-4.64/-5.38	-5.68/-5.75	-3.78/-2.7	-1.94/-1.36	-1.18/-0.84	-1.38/-2.3	-5.69/-5.27	-4.49/-4.47	-5.23/-4.69	-4.07/-4.8	-5.53/-5.47	-4.22/-3.78	-3.44/-5.23	-5.81/-5.91	-5.35/-3.38	-2.66/-5.62	-6.65/-6.43	-5.66/-3.25	-3.63/-4.66	-4.87/-5.05	-4.62/-6.51	-4.62/-6.51
Θ(142.5°)	-4.33/-6.59	-7.44/-6.1	-3.91/-3.53	-3.23/-3.33	-4.47/-4.59	-3.82/-3.24	-3.17/-3.07	-3.18/-4.83	-7.38/-9.19	-9.08/-8	-6.92/-6.21	-5.91/-5.25	-5.6/-6.75	-6.47/-5.46	-4.93/-4.62	-4.59/-3.48	-4.93/-1.94	-2.56/-3.68	-4.98/-6.6	-6.86/-5.1	-5.91/-6.14	-5.89/-4.31	-3.71/-3.42	-3.34/-3.79
Θ(150°)	-5.92/-6.6	-8.13/-4.93	-8.99/-0.88	-7.05/-6.68	-6.89/-6.96	-6.08/-5.95	-6.21/-6.5	-5.88/-6.58	-4.89/-10.77	-12.58/-11.57	-10.53/-10.06	-8.78/-8.5	-8.32/-1.79	-5.17/-4.19	-3.5/-4.09	-5.21/-2.68	-3.89/-3.14	-3.71/-3.33	-3.28/-4.56	-7.54/-8.51	-10.18/-9.36	-9.25/-9.35	-8.33/-8.32	-6.63/-5.34
Θ(157.5°)	-7.67/-7.7	-8.01/-7.93	-7.6/-46	-6.16/-5.9	-6.78/-6.75	-6.82/-6.33	-5.56/-4.4	-4.29/-4.58	-4.56/-6.28	-7.22/-6.75	-6.86/-6.28	-5.68/-4.56	-3.71/-2.94	-3.18/-3.48	-2.95/-2.25	-2.11/-2.77	-3.33/-4.17	-4.71/-7.28	-9.82/-8.45	-8.41/-7.63	-7.79/-9.57	-8.55/-9.52	-8.55/-9.52	-8.55/-9.52
Θ(165°)	-9.28/-6.79	-8.54/-9.23	-10.34/-9.64	-8.74/-7.82	-7.67/-6.97	-6.77/-6.85	-6.87/-7.51	-7.83/-7.8	-7.75/-8.14	-9.12/-9.58	-9.56/-9.36	-8.81/-7.8	-6.45/-5.54	-4.85/-4.56	-4.04/-3.44	-3.08/-3.16	-3.81/-4.68	-4.85/-4.62	-5.17/-7.13	-9.07/-10.67	-11.4/-10.24	-9.91/-10.7	-12.29/-11.45	-10.75/-10.51
Θ(172.5°)	-8.61/-7.79	-7.68/-6.72	-6.39/-6.42	-6.11/-6.39	-5.44/-6.82	-7.16/-8.16	-8.95/-9.92	-10.56/-10.46	-10.1/-8.6	-8.52/-7.93	-8.13/-8.04	-8.48/-9.28	-8.46/-9.07	-3.97/-3.77	-3.75/-3.92	-4.59/-5.3	-6.04/-6.83	-6.96/-6.94	-6.71/-6.81	-6.76/-7.11	-7.14/-7.17	-7.51/-8.32	-9.38/-8.9	-8.47/-8.6
Θ(180°)	-9.92/-9.67	-9.65/-9.08	-8.27/-8.08	-8.25/-9.09	-9.11/-9.66	-9.14/-8.88	-8.96/-9.09	-9.04/-8.92	-7.75/-7.24	-7.44/-8	-8.22/-8.17	-7.84/-7.95	-8.84/-9.07	-10.45/-11.2	-10.51/-11.65	-10.54/-10.55	-10.72/-10.64	-10.17/-9.37	-8.48/-8.35	-8.02/-7.73	-7.62/-7.25	-7.25/-7.19	-7.63/-8.45	-9.61/-9.82
Freq(Hz)	6.175GPol.	ThetaL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DG(dB)	Φ(0°)Φ(7.5°)	Φ(15°)Φ(22.5°)	Φ(30°)Φ(37.5°)	Φ(45°)Φ(52.5°)	Φ(60°)Φ(67.5°)	Φ(75°)Φ(82.5°)	Φ(90°)Φ(97.5°)	Φ(105°)Φ(112.5°)	Φ(120°)Φ(127.5°)	Φ(135°)Φ(142.5°)	Φ(150°)Φ(157.5°)	Φ(165°)Φ(172.5°)	Φ(180°)Φ(187.5°)	Φ(195°)Φ(202.5°)	Φ(210°)Φ(217.5°)	Φ(225°)Φ(232.5°)	Φ(240°)Φ(247.5°)	Φ(255°)Φ(262.5°)	Φ(270°)Φ(277.5°)	Φ(285°)Φ(292.5°)	Φ(300°)Φ(307.5°)	Φ(315°)Φ(322.5°)	Φ(330°)Φ(337.5°)	Φ(345°)Φ(352.5°)
Θ(0°)	-2.85/-2.3	-2.1-94	-1.68/-2.28	-2.62/-3.01	-3.49/-1.4	-4.43/-4.18	-3.96/-3.76	-3.41/-2.9	-2.57/-2.19	-2.37/-2.19	-2.17/-2.41	-2.83/-3.35	-3.65/-4.2	-4.49/-4.19	-4.43/-4.48	-4.55/-4.67	-4.96/-4.9	-4.81/-4.6	-4.44/-4.01	-3.73/-3.54	-3.06/-2.44	-2.14/-2.3	-2.45/-2.71	-3.04/-3.11
Θ(7.5°)	-6.2/-6.48	-6.32/-5.92	-6.41/-6.1	-6.15/-6.04	-5.26/-4.77	-4.32/-3.89	-3.41/-3.37	-3.25/-2.98	-2.93/-3.03	-3.14/-3.11	-3.01/-2.93	-2.74/-2.68	-2.47/-2.27	-2.19/-2	-1.83/-1.81	-2.15/-2.57	-3.3/-3.99	-4.42/-4.72	-4.49/-3.78	-3.09/-2.36	-1.86/-1.53	-1.38/-1.85	-2.48/-3.67	-4.99/-5.36
Θ(15°)	-8.22/-8.22	-7.46/-7.5	-6.63/-6.47	-4.49/-5.75	-5.24/-5.46	-3.4/-2.78	-2.46/-2.41	-2.48/-2.52	-2.52/-2.56	-2.62/-2.57	-2.63/-2.68	-3.28/-3.46	-3.45/-3.59	-3.32/-3.69	-2.25/-1.84	-1.88/-2.15	-2.73/-3.32	-3.72/-4.4	-4.65/-3.84	-3.23/-2.25	-1.9/-1.84	-2.26/-2.81	-3.9/-5.72	-7.69/-6.16
Θ(22.5°)	-5.48/-5.36	-4.48/-5	-5.02/-4.37	-6.29/-4.2	-3.67/-3.15	-2.51/-1.71	-1.27/-1.19	-1.36/-1.52	-1.74/-2.01	-2.33/-2.65	-3.03/-3.31	-3.7/-4.24	-5.26/-6.21	-6.16/-5.71	-5.14/-5.8	-3.99/-3.38	-3.27/-3.86	-4.54/-5.99	-5.25/-5.05	-4.42/-6.86	-2.56/-3.04	-3.84/-4.3	-4.98/-6.37	-5.65/-6.47
Θ(30°)	-3.52/-3.21	-3.59/-4.61	-4.81/-4.58	-3.55/-2.78	-3.06/-3.29	-2.9/-2.09	-1.73/-1.41	-1.15/-1.58	-2.48/-2.74	-3.08/-3.01	-2.96/-2.93	-3.86/-4.38	-4.49/-4.2	-5.11/-7.27	-8.38/-8.29	-7.93/-6.16	-5.03/-4.45	-3.97/-4.09	-4.77/-5.73	-4.38/-3.7	-4.25/-4.94	-3.93/-4.24	-4.65/-4.38	-4.06/-3.56
Θ(37.5°)	-4.55/-2.36	-2.2/-2.81	-3.13/-2.16	-1.57/-2.78	-3.85/-3.64	-2.96/-2.23	-1.61/-0.97	-0.84/-1.56	-2.16/-2.5	-2.59/-2.27	-2.24/-3.4	-4.52/-5	-6.6/-7.9	-7.38/-9.4	-6.74/-7.25	-6.18/-5.47	-6.14/-4.77	-3.97/-6.12	-6.14/-6.18	-8.02/-7.47	-5.34/-3.4	-4.34/-3.6	-5.68/-5.09	-4.03/-4.53
Θ(45°)	-1.02/0.2	-0.35/-1.75	-1.89/-1.48	-2.1/-7	-0.72/-0.29	-0.64/-1.23	-1.46/-0.84	-0.33/-0.05	-0.41/-0.75	-0.96/-1.51	-2.56/-3.69	-4.17/-4.79	-5.52/-6.09	-6.85/-6.52	-6.72/-7.36	-5.23/-5.09	-5.31/-5.67	-5.84/-6.94	-5.66/-8.18	-8.67/-8.52	-3.68/-2.87	-4.32/-4.68	-4.22/-5.58	-1.73/-1.72
Θ(52.5°)	-0.28/1.09	1.31/0.58	0.33/-1.05	-1.23/-0.67	0.02/																			



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

Appendix B

Θ(22.5°)	-8.45/-7.66	-7.63/-6.97	-6.62/-6.86	-7.44/-7.43	-6.09/-4.57	-3.64/-3.14	-2.86/-2.84	-3.02/-3.06	-3.17/-3.3	-3.16/-3.07	-3.41/-4.25	-4.61/-4.46	-4.11/-3.42	-2.88/-2.59	-3.22/-4.67	-6.33/-7.3	-7/-6.23	-5.62/-5.03	-5.35/-5.71	-5.42/-4.8	-5.26/-5.33	-5.19/-5.59	-6.05/-7.13	-8.57/-9.35
Θ(30°)	-6.98/-6.13	-5.54/-5.02	-5.1/-5.7	-7.51/-7.23	-6.52/-5.6	-4.32/-3.09	-2.85/-2.71	-2.27/-3.24	-3.05/-4.37	-3.02/-3.13	-4.06/-4.87	-5.11/-5.59	-6.45/-6.22	-5.56/-5.25	-5.57/-6.38	-7.24/-8.27	-8.33/-7.95	-6.63/-6.35	-6.71/-7.57	-7.46/-7.07	-5.98/-5.63	-5.98/-6.2	-6.78/-8.24	-8.08/-7.25
Θ(37.5°)	-5.04/-3.59	-2.64/-4.28	-3.29/-3.78	-5.24/-7.3	-4.43/-4.63	-5.16/-4.47	-4.51/-3.9	-2.97/-2.39	-2.28/-2.74	-3.36/-3.89	-3.79/-3.9	-4.64/-6.16	-5.79/-8.51	-9.12/-9.36	-7.49/-6.45	-5.88/-3.9	-8.67/-7.1	-5.13/-5.78	-6.71/-6.91	-7.72/-7.49	-6.89/-6.36	-6.22/-5.84	-4.95/-5.17	-5.94/-6.39
Θ(45°)	-2.98/-2.21	-2.55/-2.83	-2.46/-3.51	-4.04/-3.43	-3.96/-4.4	-3.67/-6.29	-2.82/-2.85	-2.28/-1.62	-1.59/-2.24	-2.3/-3.08	-2.75/-2.23	-2.46/-3.5	-5.55/-7.06	-9.2/-10.04	-7.91/-8.33	-7.7/-6.15	-6.97/-5.1	-4.45/-6.4	-11.08/-9.79	-7.95/-6.62	-5.87/-5.71	-7.17/-8.05	-5.95/-5.48	-4.84/-4.67
Θ(52.5°)	-2.3/-1.95	-3.01/-2.25	-2.71/-3.29	-3.2/-2.69	-1.97/-0.79	-0.65/-1.21	-0.97/-0.73	-0.92/-1.3	-2.2/-3.42	-3.35/-2.87	-3.14/-3.19	-3.13/-3.27	-4.87/-5.97	-9.04/-8	-7.02/-8.28	-6.44/-7.46	-7.5/-5.91	-8.71/-7.38	-6.68/-7.32	-8.96/-6.61	-4.35/-3.5	-5.79/-5.21	-4.12/-3.23	-2.55/-3.47
Θ(60°)	-1.53/-1.76	-1.75/-1.95	-2.64/-2.91	-3.26/-1.08	0.58/0.95	0.48/-0.36	-1.41/-2.3	-2.47/-0.84	0.13/-0.78	-2.21/-1.98	-2.64/-2.73	-3.2/-2.76	-2.37/-2.97	-3.97/-5.74	-8.29/-7.14	-7.99/-10.28	-11.15/-10.39	-10.57/-10.26	-11.17/-11.13	-8.5/-6.67	-4.71/-4.07	-4.17/-3.1	-2.39/-2.38	-2.47/-2.76
Θ(67.5°)	-2.81/-2.79	-2.12/-1.07	-1.43/-1.85	-3.13/-3.12	-1.45/0.38	0.78/-0.33	-1.61/-1.85	-1.81/-0.47	0.53/0.14	-11/0.85	-1.13/-1.92	-3.39/-3.31	-2.76/-2.36	-2.99/-5.11	-6.58/-9.73	-11.19/-7.63	-8.31/-7.35	-6.58/-8.86	-9.71/-10.98	-7.86/-4.89	-4.28/-4.96	-7.07/-5.68	-4.72/-3.89	-3.07/-3.07
Θ(75°)	-2.76/-1.89	-1.81/-1.27	-1.41/-1.27	-4.48/-2.41	-1.92/-0.66	-0.98/-1.11	-1.79/-2.38	-1.22/-1.32	-0.61/-0.4	-1.13/-2.55	-2.07/-2.21	-4.22/-6.23	-7.56/-6.16	-8.99/-7.84	-8.64/-8.76	-9.16/-10.5	-9.3/-11.4	-9.24/-9.58	-10.88/-12.23	-10.99/-7.12	-6.15/-5.76	-6.71/-5.44	-3.78/-3.97	-3.87/-3.17
Θ(82.5°)	-1.97/-2.43	-2.3/-0.88	-1.13/-2.23	-3.87/-3.69	-2.47/-1.86	-1.03/-1.1	-1.57/-1.79	-2.42/-1.87	-0.58/-0.38	-1.38/-2.84	-4.03/-4.67	-3.99/-4.65	-6.8/-8.99	-7.61/-7.26	-6.91/-7.84	-8.14/-9.02	-8.16/-8.39	-5.11/-5.2	-8.57/-7.41	-9.32/-5.9	-4.92/-4.57	-5.37/-4.1	-2.64/-3.05	-1.72/-1.57
Θ(90°)	-2.37/-1.64	-1.06/-0.48	-0.81/-2.35	-4.69/-4.18	-2.58/-2.16	-1.61/-2.88	-2.07/-2.03	-2.37/-1.91	-0.63/-1.19	-1.63/-0.11	-1.35/-3.8	-5.08/-4.96	-5.55/-4.94	-6.36/-8.12	-8.92/-6.3	-7.19/-6.51	-6.68/-8.23	-5.43/-10.09	-9.88/-5.95	-6.68/-8.3	-7.15/-7.78	-6.92/-3.7	-3.13/-4.42	-2.71/-3.29
Θ(97.5°)	-2.63/-2.04	-1.39/-0.73	-1/-1.23	-2.8/-3.24	-2.12/-2.22	-2.86/-3.21	-2.49/-1.4	-2.17/-2.73	-2.32/-1.78	-1.47/-1.27	-2.55/-3.84	-5.95/-7.02	-8.79/-7.87	-8.37/-8.73	-8.24/-8.41	-7.71/-7.96	-6.68/-5.48	-3.16/-3.72	-5.26/-6.05	-5.71/-5.61	-4.94/-4.11	-4.82/-3.7	-2.51/-3.31	-2.25/-2.55
Θ(105°)	-3.21/-4.01	-3.16/-2.53	-1.51/-0.78	-1.11/0.84	-1.28/-2.88	-3.69/-2.1	-0.55/0.5	-0.21/-1.99	-2.73/-2.74	-2.32/-2.32	-2.16/-3.04	-4.1/-5.99	-6.86/-6.62	-7.83/-8.69	-6.31/-5.7	-8.03/-6.24	-6.32/-4.24	-5.32/-4.24	-5.57/-8.24	-8.99/-7.56	-5.88/-4.47	-3.93/-4.85	-4.01/-4.57	
Θ(112.5°)	-3.44/-3.29	-2.62/-2.43	-2.86/-2.67	-2.38/-2.7	-3.18/-3.08	-2.25/-1.58	-0.78/-0.7	-1.57/-2.49	-2.56/-3.38	-3.86/-4.62	-4.97/-5.65	-4.95/-5.58	-7.12/-9.98	-9.67/-10.25	-9.85/-8.3	-8.27/-7.56	-7.35/-8.41	-4.81/-2.98	-5.3/-10.12	-5.23/-6.03	-5.41/-6.36	-8.59/-5.46	-4.01/-4.32	-3.82/-3.14
Θ(120°)	-5.13/-5.19	-5.05/-3.25	-2.58/-2.86	-3.19/-3.33	-3.63/-3.44	-2.38/-0.66	-1.55/-2.86	-3.32/-3.32	-3.37/-4.47	-6.62/-6.95	-7.33/-6.56	-6.54/-6.27	-6.18/-7.36	-7.43/-8.64	-8.52/-4.97	-7.19/-6.54	-6.51/-6.73	-4.05/-4.3	-4.73/-11.27	-5.92/-7.75	-3.75/-5.93	-5.85/-5.19	-3.68/-2.43	-3.98/-4.95
Θ(127.5°)	-4.66/-4.99	-6.05/-5.19	-3.69/-2.95	-2.4/-2.81	-1.71/-4.49	-3.06/-2.88	-3.91/-4.16	-4.09/-3.76	-2.56/-2.14	-2.42/-3.87	-5.96/-7.38	-7.07/-8.15	-6.77/-5.56	-6.52/-8.21	-8.41/-8.78	-11.91/-8.26	-4.46/-6.47	-4.32/-2.35	-5.04/-9.27	-4.94/-6.94	-2.63/-6.7	-4.07/-2.48	-1.04/-4.53	-3.47/-3.34
Θ(135°)	-2.36/-2.72	-1.98/-2.57	-3.01/-2.37	-2.34/-2.64	-3.03/-4.45	-4.78/-4.08	-4.08/-3.7	-3.22/-3.76	-3.68/-3.26	-3.5/-4.97	-5.48/-5.4	-8/-9.31	-9.29/-8.15	-7.39/-7.49	-8.1/-10.38	-10.76/-6.87	-3.99/-6.58	-5.04/-3.18	-4.97/-6.91	-5.54/-8.23	-6.13/-3.02	-2.24/-2.62	-2.6/-3.22	-3.19/-2.18
Θ(142.5°)	-2.96/-2.03	-2.21/-1.49	-0.99/-1.46	-1.8/-1.55	-2.28/-4.5	-5.26/-4.66	-3.59/-2.29	-1.74/-3.23	-3.37/-4.47	-5.2/-5.56	-4.86/-5.01	-5.54/-5.78	-9.98/-10.6	-10.11/-10.3	-9.32/-11.55	-8.72/-7.95	-8.53/-10.95	-7.3/-5.01	-5.23/-5.5	-4.4/-7.9	-6.07/-6.86	-2.84/-3.06	-2.3/-3.67	-3.27/-6.4
Θ(150°)	-2.32/-2.08	-1.84/-2.17	-2.39/-3.82	-6.14/-7.96	-9/-8.86	-7.62/-5.23	-4.62/-6.11	-5.96/-6.47	-6.81/-7.37	-8.15/-8.76	-10.74/-11.15	-10.66/-10.74	-10.73/-11.55	-11.45/-10.42	-9.06/-10.29	-12.74/-11.22	-8.63/-7.9	-8.98/-10.29	-12.74/-11.22	-8.63/-7.9	-8.98/-10.29	-12.74/-11.22	-8.63/-7.9	-8.98/-10.29
Θ(157.5°)	-2.07/-2.2	-2.59/-2.48	-3.07/-4.46	-6.41/-8.96	-7.98/-6.75	-7.36/-8.51	-7.67/-7.38	-8.19/-9.18	-8.07/-6.54	-6.03/-6.11	-7.52/-9.54	-9.22/-7.95	-8.12/-9.21	-10.56/-11.1	-10.68/-10.67	-12.16/-11.73	-9.99/-9.06	-8.51/-7.84	-9.13/-8.87	-7.68/-8.45	-9.39/-7.87	-5.49/-3.73	-3.35/-3.02	-2.7/-2.62
Θ(165°)	-6.93/-6.67	-7.47/-8.99	-9.29/-9.5	-8.74/-8.75	-9.43/-9.71	-8.87/-9.5	-8.75/-7.6	-7.73/-8.72	-8.1/-5.85	-5.11/-5.52	-5.76/-6.84	-7.28/-7.19	-7.16/-7.6	-7.06/-6.13	-5.92/-6.71	-8.43/-9.65	-8.97/-8.33	-8.08/-8.16	-6.86/-5.24	-4.76/-4.25	-4.12/-4.11	-3.7/-3.22	-3.86/-5.27	-5.98/-7.01
Θ(172.5°)	-5.56/-5.66	-5.52/-5.88	-6.29/-7.08	-7.9/-8.83	-9.96/-9.89	-9.91/-9.66	-9.99/-10.12	-9.91/-9.24	-8.5/-9.71	-7.45/-6.77	-6.89/-7.03	-7.27/-7.33	-7.59/-7.72	-7.52/-7.35	-7.05/-6.53	-6.19/-7.36	-8.82/-9.66	-7.9/-6.87	-5.59/-4.46	-4.15/-4.65	-5.51/-6.07	-5.97/-6.43	-6.5/-5.96	
Θ(180°)	-6.82/-7.28	-8.11/-10.13	-10.88/-10.63	-9.94/-9.22	-8.43/-8.54	-9.8/-11.36	-11.27/-11.26	-11.16/-11.24	-10.71/-10.26	-10.3/-9.6	-8.85/-8.66	-8.17/-7.69	-7.58/-7.16	-7.11/-7.61	-7.83/-8.16	-8.62/-9.46	-9.93/-10.17	-10.61/-10.64	-11.56/-12.11	-12.6/-12.11	-11.02/-9.93	-9.15/-8.5	-7.42/-7.39	-7.16/-7.27
Freq(Hz)	6.695GPol.	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°)	0.25/0.24	0.57/0.52	0.58/0.3	-0.24/-0.81	-1.75/-2.61	-4.02/-5.19	-6.79/-8.12	-9.88/-10.72	-9.6/-7.81	-6.66/-4.99	-3.89/-2.98	-2.15/-1.54	-1.14/-0.81	-0.58/-0.55	-0.48/-0.52	0.85/-1.53	-2.28/-3.17	4.14/-5.22	-6.64/-8.39	-10.25/-10.68	-8.82/-7.38	-6.25/-5.25	-4.16/-2.98	-1.75/-0.82
Θ(7.5°)	-1.85/-1.67	-1.61/-1.72	-1.79/-1.98	-2.04/-2.05	-2.39/-2.99	-3.35/-3.64	-4.25/-4.84	-5.24/-5.75	-6.84/-7.69	-6.86/-5.96	-4.69/-3.74	-2.75/-1.89	-1.31/-0.92	-0.74/-0.67	-0.55/-0.68	-0.58/-0.75	-1.19/-1.81	-2.83/-4.08	-5.77/-7.16	-7.32/-7.14	-6.18/-5.27	-4.63/-4.19	-3.64/-3.03	-2.6/-1.92
Θ(15°)	-3.41/-2.95	-3.27/-3.09	-2.73/-3.79	-2.6/-2.56	-2.87/-3.05	-3.15/-3.48	-4.34/-4.88	-5.41/-5.61	-5.32/-4.79	-4.13/-3.98	-4.34/-4.6	-4.19/-3.4	-2.77/-2.91	-1.61/-1.27	-1.22/-0.88	-0.38/-0.12	-0.13/-0.61	-1.62/-2.91	-4.21/-5.22	-5.96/-5.65	-4.94/-4.56	-4.33/-3.91	-3.52/-4.07	-3.83/-3.69
Θ(22.5°)	-1.79/-2.15	-2.49/-2.08	-1.99/-2.36	-2.96/-2.58	-2.58/-1.93	-1.83/-2.11	-2.48/-2.53	-3/-3.6	-4.45/-5.12	-4.9/-4.62	-4.45/-3.68	-3.27/-3.09	-2.61/-1.78	-1.34/-1.4	-1.21/-0.86	-0.35/-0.09	-0.43/-1.08	-1.6/-2.4	-3.23/-3.83	-4.12/-4.2	-4.22/-3.82	-3.07/-2.64	-2.53/-2.35	-2.06/-1.69
Θ(30°)	0.56/0.37	-0.18/-0.48	-0.65/-1.96	-3.02/-3.14	-2.8/-1.69	-1.28/-1.09	-1.11/-1.16	-1.17/-1.28	-2.07/-3.37	-4.34/-4.19	-3.22/-2.03	-1.61/-1.48	-0.65/0.17	0.67/0.61	-0.08/-0.12	-1.71/-1.79	-1.64/-1.3	-1.41/-1.89	-2.52/-3.08	-2.93/-2.36	-1.71/-1.92	-0.34/-0.01	0.01/0.05	0.10/0.05
Θ(37.5°)	-1/0.84	-0.96/-1	-0.87/0.63	-0.43/-0.59	-1.21/-1.53	-0.76/0.28	0.57/0.05	-1.17/-1.33	-1.78/-3.26	-4.56/-4.16	-3.64/-2.63	-2.57/-3.05	-3.04/-1.68	0.05/0.34	-0.8/-2.43	-3.09/-2.76	-1.61/-0.17	-2.01/-1.23	-1.67/-0.97	-0.52/-0.87	-0.68/-0.63	-0.68/-0.13	-0.47/-0.97	
Θ(45°)	-0.47/0.23	-0.17/-0.33	0.71/-37	2.11/0.27	0.94/-0.5	0.13/-1.38	1.47/1	-0.51/-1.21	-1.09/-1.94	-4.02/-5.02	-3.89/-2.58	-2.6/-4.2	-5.25/-5.88	-4.54/-2.63	-1.65/-2.5	-2.73/-2.62	-2.21/-0.86	-0.17/-0.45	-0.57/-0.27	0.73/-1.2	0.14/-1.1	-0.53/-0.3	0.15/0.36	0.32/-0.1
Θ(52.5°)	0.71/0.09	1.16/0.63	1.45/-1.44	1.55/-2.39	2.87/1.99	-0.19/-1.64	-0.81/-0.83	-1.4/-1.56	-2.31/-4.21	-4.16/-2.84	-1.92/-1.41	-0.9/-1.46	-3.15/-3.85	-5.33/-5.59	-4.39/-4.3	-3.64/-2.41	-1.49/-1.07	-1.37/-4.11	-1.89/-1.56	2.17/0.43	-2.15/-2.91	-2.35/-4.05	0.65/0.54	0.88/0.13
Θ(60°)	1.06/1.17	0.82/0.13	0.87/1.12	1.27/0.85	0.56/0.31	-0.23/-0.8	-0.96/-0.82	-1.35/-3.27	-5.51/-4.44	-2.14/-2.04	-3.74/-3.05	-1.41/-1.55	-1.8/-2.29	-3.55/-3.67	-3.01/-1.88	-2.44/-2.35	-1.49/-1.1	-2.35/-2.85	2.6/-1.89	-1.31/-3.09	-2.74/-1.8	-2.96/-2.06	-1.03/-0.62	-0.86/0.53
Θ(67.5°)	1.51/1.36	0.75/0.27	-0.21/-0.54	-0.74/-1.6	-1.83/-0.84	0.23/-0.23	-0.52/-1.04	-1.11/-2.81	-3.83/-3.34	-2.09/-1.35	-1.13/-1.15	-1.88/-2.51	-2.01/-1.82	-2.02/-3.4	-3.17/-3.55	-2.95/-4.8	-4.61/-4.67	-4.51/-5.33	-6.74/-5.04	-2.62/-3.52	-5.33/-4.47	-1.5/-1.23	0.51/1.36	1.22/1.91
Θ(75°)	-0.29/0.36	-0.46/0.04	0.34/0.41	0.21/-0.1	-0.82/-0.03	-0.38/-0.71	-0.25/-0.52	-0.67/-1.65	-1.56/-1.3	-0.16/-0.63	-0.48/0.97	0.96/-0.09	-1.1/-1.56	-2.46/-1.99	-2.81/-3.61	-3.06/-1.83	-2.37/-1.81	-0.95/-6.28	-4.12/-3.57	-3.99/-5.5	-7.69/-4.26	-3.27/-1.27	-0.48/-0.18	0.0/-1.4
Θ(82.5°)	-2.15/-1.99	-1.5/-0.68	0.021/-3.4	1.51/0.56	-1.04/-0.11	-0.58/0.27	-0.6/-2.39	-3.2/-2.41	-1.29/-1.61	-1.59/-3														



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

Appendix B

Θ(75°)	-0.52/-2.39	-1.84/-1.52	-0.99/-2.67	-5.76/-4.74	-1.19/0.13	1.39/0.82	0.31/0.5	-0.75/-1.47	-0.15/-0.56	-0.64/-0.61	-1.33/-2.09	-2.54/-1.93	-1.96/-2.4	-4.86/-6.53	-9.12/-9.08	-9.26/-9.18	-8.77/-6.92	-6.19/-6.34	-6.9/-7.63	-5.66/-3.37	-3.71/-5.29	-9.51/-2.89	-2.56/-2.04	-0.63/-0.41	
Θ(82.5°)	-1.71/-2.06	-1.23/-2.66	-3.03/-3.15	-3.43/-1.87	-1.68/-0.13	1.65/-1.31	0.31/-0.7	-0.51/-0.51	-1.2/-0.39	-0.23/-1.64	-1.96/-2.91	-2.65/-3.2	-4.06/-3.87	-4.06/-6.53	-7.33/-7.53	-6.14/-5.99	-7.79/-8.78	-9.46/-6.33	-6.47/-10.3	-7.56/-4.25	-5.59/-7.08	-5.09/-3.03	-1.47/-1.86	-1.8/-2.75	
Θ(90°)	-2.36/-3.78	-3.61/-3.43	-3.07/-2.52	0.21/0.71	-1.51/-1.37	-0.84/-0.9	-1.03/-0.55	0.39/0.67	0.05/-0.7	-0.05/0.03	-1.23/-2.63	-3.55/-4.14	-4.34/-5.18	-4.87/-6.02	-6.09/-7.53	-10.86/-7.53	-7.81/-3.44	-5.53/-3.82	-4.18/-8.77	-6.24/-4.19	-4.03/-7.05	-6.78/-1.88	-2.79/-3.51	-1.82/-3.78	
Θ(97.5°)	-3.46/-4.3	-1.56/-2.58	-2.03/-1.41	-1.21/-1.41	-3.75/-2.91	-1.24/-0.77	-0.58/-1.19	-1.47/-1.22	-0.93/-0.05	-0.4/-1.47	-3.04/-4.93	-4.49/-4.45	-3.82/-4.5	-6.41/-7.5	-4.63/-7.88	-2.89/-7.4	-3.1/-5.55	-5.66/-4.88	-7.97/-6.97	-6.14/-3.34	-2.23/-5.08	-4.35/-0.47	-1.69/-3.44	-2.2/-2.5	
Θ(105°)	-1.56/-1.95	-0.7/-0.94	-0.46/0.15	-0.18/-1.31	-3.32/-4.36	-2.45/-1.01	0.04/-0.87	-1.95/-0.21	-1.68/-0.68	-0.52/-0.9	-2.31/-1.37	-4.18/-4.68	-6/-6.13	-5.95/-7.56	-7.69/-9.77	-6.57/-7.28	-4.48/-2.72	-3.34/-2.47	-4.79/-9.77	-5.49/-3.68	-1.69/-2.77	-5.6/-2.78	-3.31/-3.44	-3.13/-3.83	
Θ(112.5°)	-1.1/-1.94	-0.76/-1.01	0.11/-0.87	-2.86/-3.83	-4.15/-2.86	-2.68/-2.34	-1.45/-0.47	-0.4/-1.49	-0.83/-0.91	-1.94/-2.77	-2.83/-2.3	-3.17/-5.17	-3.68/-8.6	-7.32/-6.75	-4.15/-3.91	-1.82/-8.09	-3.77/-7.85	-2.77/-4.04	-5.88/-10.65	-5.7/-4.06	-1.92/-2.66	-4.04/-2.75	-1.95/-2.25	-1.15/-2.02	
Θ(120°)	-2.66/-3.42	-2.34/-2.47	-2.36/-3.25	-5.8/-6.24	-3.72/-1.21	-2.79/-4.18	-2.5/-0.57	-0.54/-2.37	-2.7/-2.78	-2.2/-3.45	-3.95/-3.22	-2.85/-3.18	-4.49/-7.98	-7.81/-7.65	-8.93/-7.71	-10.68/-10.86	-4.88/-9.3	-4.04/-2.31	-3.07/-9.65	-5.1/-4.12	-3.85/-4.92	-3.13/-1.6	-0.53/-2.78	-1.28/-2.08	
Θ(127.5°)	-3.76/-3.68	-3.4/-3.93	-4.64/-3.74	-3.6/-5.14	-7.36/-6.71	-5.31/-3.92	-2.15/-1.94	-1.94/-2.2	-2.36/-2.68	-3.66/-4.05	-5.38/-6.06	-5.22/-6.66	-5.87/-4.9	-4.42/-8.14	-9.4/-8.41	-9.1/-10.4	-9.69/-10.25	-6.66/-3.36	-3.97/-4.8	-5.09/-5.11	-5.16/-5.75	-2.1/-1.21	-1.1/-1.91	-1.7/-3.02	
Θ(135°)	-4.05/-3.77	-3.58/-4.32	-6.58/-6.87	-4.48/-3.84	-4.64/-4.77	-4.25/-2.87	-2.34/-1.76	-2.14/-3.56	-3.73/-3.56	-3.82/-3.85	-3.51/-4.38	-4.82/-6.12	-5.78/-6.93	-7.42/-6.37	-6.51/-7.46	-6.07/-9.85	-11.78/-9.03	-7.57/-2.94	-4.35/-3.77	-5.44/-9.32	-6.06/-4.9	-4.68/-3.09	-2.43/-1.39	-0.93/-2.74	
Θ(142.5°)	-3.15/-2.46	-4.03/-3.99	-2.69/-1.71	-0.79/-1.23	-2.5/-4.03	-5.42/-4.09	-2.31/-1.2	-1.5/-3.64	-4.78/-4.44	-2.86/-3.83	-5.17/-6.31	-6.91/-6.56	-4.73/-3.55	-2.49/-2.13	-3.41/-5.69	-8.15/-7.64	-9.15/-8.61	-7.24/-6.07	-5.25/-3.95	-3.13/-5.63	-7.45/-7.15	-3.68/-5.39	-4.33/-3.5	-3.82/-3.51	
Θ(150°)	-1.37/-0.43	-0.06/-0.32	-0.63/-1.48	-2/-1.3	-2.06/-4.24	-5.22/-4.31	-3.81/-2.73	-2.87/-5.32	-6.56/-7.22	-7.22/-6.82	-6.59/-5.65	-5.75/-5.61	-7.15/-7.46	-7.65/-8.63	-8.08/-9.1	-7.93/-8.11	-7.99/-7.18	-7.11/-6.35	-6.6/-6.7	-6.18/-6.74	-8.62/-8.94	-5.76/-3.74	-4.02/-2.88	-1.87/-1.59	
Θ(157.5°)	-3.03/-3.02	-3.3/-3.72	-3.37/-6.2	-4.16/-4.08	-4.09/-4.84	-6.27/-9.5	-1.065/-5.99	-9.01/-8.89	-10.13/-10.77	-10.13/-9.23	-7.14/-6.16	-5.72/-5.59	-6.81/-8.22	-6.91/-10.8	-5.95/-9.83	-8.91/-11.21	-11.81/-11.38	-9.99/-8.11	-7.79/-7.89	-8.33/-8.6	-6.5/-5.96	-8.19/-8.46	-7.01/-4.97	-4.3/-3.94	-2.96/-3.15
Θ(165°)	-3.37/-2.99	-3.34/-3.32	-3.93/-6.07	-7.42/-8.31	-11.2/-10.26	-8.48/-6.95	-7.23/-7.64	-8.59/-8.31	-7.57/-6.76	-6.08/-4.59	-3.5/-2.99	-3.18/-3.49	-3.89/-4.59	-5.67/-6.94	-7.76/-7.75	-6.34/-5.09	-4.03/-4.21	-5.72/-7.44	-7.9/-6.91	-6.57/-6.14	-5.28/-4.86	-5.02/-5.12	-4.85/-4.81	-3.62/-3.03	
Θ(172.5°)	-4.12/-4.81	-4.79/-5.27	-5.68/-6.05	-7.31/-8.15	-7.43/-6.09	-6.84/-8.47	-9.53/-10.33	-11.33/-11.03	-9.61/-7.65	-6.66/-6.16	-6.14/-6.23	-6.26/-6.22	-5.81/-5.69	-5.43/-5.27	-4.99/-4.56	-3.72/-3.4	-3.53/-4.17	-5.19/-5.88	-5.93/-5.72	-5.11/-3.7	-2.59/-3.28	-2.81/-3.37	-3.62/-3.95	-3.82/-3.32	
Θ(180°)	-3.77/-4.23	-4.88/-5.72	-6.42/-7.04	-8.2/-6.72	-5.43/-6.23	-8.12/-10.43	-11.01/-11.02	-11.07/-10.76	-8.7/-6.93	-5.62/-5.01	-4.5/-4.07	-3.75/-3.71	-3.78/-4.35	-5.37/-5.66	-5.96/-6.27	-6.48/-6.33	-6.48/-6.56	-6.53/-6.87	-6.63/-7.09	-7.37/-6.26	-5.33/-4.54	-4.29/-3.73	-2.73/-2.65	-3.15/-3.37	

6G option11

Freq(Hz)	6.175GPol.	PhiL	+	-	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
DGc(Θ)	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°)	-5.28/-5.44	-6.08/-6.23	-6.06/-4.85	-4.34/-4.29	-4.56/-4.73	-4.91/-5.06	-4.75/-4.15	-3.67/-3.82	-4.67/-5.55	-6.04/-6.52	-7.26/-7.8	-8.26/-8.48	-8.74/-8.36	-7.87/-9.98	-6.08/-5.69	-5.83/-5.74	-5.27/-4.65	-4.44/-4.25	-4/-4.01	-3.88/-4.07	-4.4/-4.83	-5.39/-5.72	-5.31/-4.96	-4.9/-5.11
Θ(7.5°)	-8.04/-7.93	-7/-6.1	-5.83/-5.29	-4.73/-4.34	-4.41/-4.43	-4.33/-4.19	-4.22/-4.08	-3.74/-3.8	-4.03/-4.71	-4.55/-4.47	-4.32/-4.08	-3.94/-3.98	-3.81/-4.07	-4.19/-3.93	-3.45/-3.36	-3.19/-3.14	-2.82/-2.62	-2.41/-2.38	-2.73/-3.32	-4.05/-4.72	-5.79/-7.25	-8.77/-10.89	-11.42/-10.77	-9.89/-9.47
Θ(15°)	-3.64/-3.39	-3.29/-2.84	-2.85/-3.5	-3.91/-3.76	-3.54/-3.4	-3.41/-3.09	-2.79/-1.89	-1.15/-1	-1.23/-1.8	-2.72/-3.98	-5.45/-5.29	-4.76/-4.09	-3.54/-3.11	-2.57/-1.82	-1.28/-0.64	-0.35/-0.41	-0.67/-1.06	-1.32/-1.57	-1.97/-2.33	-2.66/-3.21	-3.67/-4.15	-4.91/-5.31	-5.7/-5.3	-4.47/-3.72
Θ(22.5°)	-3.59/-3.51	-3.59/-3.5	-2.56/-1.97	-1.63/-2	-2.58/-3.98	-4.68/-6.45	-4.46/-4.34	-4.34/-1	-3.53/-3.18	-3.14/-3.93	-4.65/-4.14	-5.62/-5.57	-4.65/-3.14	-1.04/-0.54	-0.28/-0.12	0.43/0.48	0.1/-0.54	-1.63/-3.02	-3.93/-3.64	-2.96/-2.71	-2.46/-2.52	-2.7/-2.91	-3.31/-3.62	-3.92/-3.81
Θ(30°)	-4.65/-5.38	-5.1/-5.43	-4.01/-3.2	-3.81/-4.51	-5.12/-5.87	-5.97/-5.14	-4.36/-3.99	-4.21/-5.19	-5.79/-5.64	-4.43/-3.02	-2.57/-2.99	-3.67/-3.91	-3.58/-2.07	-0.82/0.28	0.95/1.19	0.63/-0.44	-1.65/-2.06	-1.72/-1.26	-1.36/-2.11	-2.76/-2.99	-2.83/-2.57	-2.65/-2.94	-3.63/-3.71	-3.09/-3.27
Θ(37.5°)	-1.82/-4.28	-3.16/-3.05	-3.48/-3.83	-4.24/-2.57	-4.83/-5.14	-5.79/-5.57	-5.13/-4.77	-4.79/-4.73	-5.27/-5.6	-5.16/-4.13	-3.96/-3.68	-3.13/-2.07	-1.17/0.2	1.09/1.37	1.85/-1.82	0.93/0.31	0.89/0.61	-0.45/-1.46	-2.58/-3.25	-1.98/-0.81	-0.97/-1.48	-0.8/-0.08	0.32/0.19	-0.1/-1.47
Θ(45°)	-0.76/-2.5	-2.73/-2.06	-2.33/-3.6	-3.59/-3.81	-3.89/-3.19	-1.83/-2.29	-3.74/-3.64	-3.33/-4.03	-4.88/-5.15	-4.42/-6.2	-2.8/-3.12	-1.33/-0.13	-0.08/0.17	0.70/0.89	0.55/0.9	1.36/0.21	1.62/1.93	1.87/1.69	1.96/2.38	2.19/-0.54	0.6/-0.91	-2.15/-1.2	-0.53/-0.42	-0.4/-0.06
Θ(52.5°)	-0.29/-1.98	-1.92/-1.52	-1.7/-1.1	-1.02/-1.55	-3.21/-3.44	-3.05/-2.6	-1.79/-2.58	-3.3/-4.9	-5.32/-4.89	-5.05/-3.01	-1.5/-3.53	-3.46/-1.95	-0.56/-0.08	0.15/0.32	0.572/-1.7	2.51/2.02	1.82/0.5	2.68/2.73	2.32/0.9	2.64/1.84	0.75/-0.26	-0.35/0.3	0.91/0.5	-0.84/-0.53
Θ(60°)	-0.79/-1.21	-1.49/-1.62	-2.61/-1.79	-2.38/-2.82	-3.19/-5.2	-5.74/-2.21	-2.92/-2.19	-2.77/-3.2	-4.15/-6.66	-5.44/-4.74	-6.07/-7.9	-6.12/-4.25	-1.88/0.12	1.07/0.39	0.32/1.2	1.86/1.79	1.07/1.53	2.01/-0.03	-0.91/0.03	1.83/-1.36	0.59/0.88	0.57/0.96	0.69/0.08	-0.22/-0.82
Θ(67.5°)	-1.59/-1.21	-1.81/-2.21	-3.12/-2.18	-3.45/-2.89	-2.55/-2.89	-3.24/-3.75	-5.65/-3.72	-3.72/-4.11	-4.65/-4.3	-4.77/-4.58	-5.69/-6.77	-5.55/-4.38	-3.47/-3.28	-1.53/-0.57	0.31/0.89	1.56/2.6	1.33/0.77	0.49/-2.21	0.14/-0.28	-0.51/-1.5	-0.78/-1.4	-1.55/-4.7	0.36/0.39	0.2/-0.68
Θ(75°)	-0.08/0.08	-1.48/-3.35	-3.28/-2.27	-2.47/-2.93	-3.85/-4.98	-5.88/-5.69	-4.92/-4.08	-3.77/-7.21	-6.13/-5.37	-5.2/-5.53	-6.35/-4.72	-6.13/-6.35	-2.42/-2.84	-1.16/-0.02	1.04/0.7	-0.04/-1.09	0.41/0.37	-0.78/-4.29	-3.7/-1.12	-0.84/-2.53	-1.61/-2.27	-2.45/-1.19	-0.06/-0.28	0.42/-2.1
Θ(82.5°)	-0.88/-0.77	-1.95/-5.2	-6.25/-5.08	-4.74/-3.2	-3.43/-6.33	-6.33/-5.9	-5.79/-4.8	-4.82/-5.13	-7.4/-6.8	-5.66/-5.8	-5.08/-5.05	-4.2/-4.12	-4.06/-4.38	-3.45/-1.75	-1.22/-3.47	-2.33/-0.61	-0.62/-0.25	-0.04/-0.7	-0.52/-0.62	-0.07/-1.45	-2.01/-2.72	-3.02/-3.21	-1.66/-0.65	-0.05/0.78
Θ(90°)	-1.9/-1.83	-3.4/-4.15	-7.06/-7.04	-6.54/-4.48	-7.37/-7.62	-4.81/-4.55	-5.45/-5.06	-3.18/-4.12	-7.02/-6.6	-4.45/-4.99	-5.46/-6.08	-5.59/-5.51	-5.35/-2.44	-3.58/-2.06	-1.15/-4.13	-6.42/-0.79	-0.12/0.79	-2.29/-3.01	-1.08/1.07	0.97/-1.91	-0.84/-0.8	-1.31/-1.52	-2.07/-2.14	-0.63/-0.29
Θ(97.5°)	-2.93/-4.42	-4.75/-7.16	-7.2/-7.99	-8.77/-5.86	-5.95/-10.64	-9.03/-8.05	-8.2/-7.53	-4.13/-5.32	-6.52/-7.34	-7/-6.09	-4.8/-5.96	-4.83/-3.6	-3.06/-2.27	-2.4/-0.79	-0.73/-1.88	-1.83/0.2	1.28/1.24	1.42/-0.85	-0.74/2.61	1.98/-1.68	-2.14/-2.4	-2.04/-1.38	-3.55/-4.77	-2.39/-1.94
Θ(105°)	-5.75/-7.3	-5.49/-6.01	-8.47/-10.82	-10.48/-8.33	-9.01/-7.99	-9.58/-6.29	-7.57/-7.42	-4.89/-5.83	-7.02/-6.27	-6.27/-4.58	-3.76/-2.31	-4.42/-4.48	-3.23/-2.04	-0.84/-1	0.39/-1.5	-3.51/-1.32	1.57/2.06	3.25/-4.6	2.21/0.35	2.16/-2.1	-1.38/-1.9	-2.51/-4.38	-7.91/-11.3	-7.71/-5.01
Θ(112.5°)	-5.23/-5.63	-7.04/-8.06	-8.61/-10.11	-9.64/-10.76	-9.58/-7.99	-9.15/-8.06	-6.42/-4.63	-5.19/-7.25	-6.69/-5.23	-7.27/-5.76	-6.3/-5.79	-4.94/-2.17	-3.21/-1.49	-1.5/-0.02	1.13/-0.37	-3.77/-0.61	0.83/0.81	0.88/1.06	1.93/-4.6	1.1/-6.1	-3.08/-0.49	-2.5/-2.58	-7.55/-8.65	-4.19/-2.7
Θ(120°)	-5.88/-8.13	-5.89/-9.46	-7.36/-7.13	-7.29/-8.45	-8.81/-9.27	-7.97/-8.04	-6.89/-8.77	-9.81/-8.36	-6.64/-7.63	-6.64/-5.22	-5.31/-4.76	-4.57/-2.76	-5.24/-0.99	-1.15/-1.91	-1.78/-4.36	-4.36/-3.35	-0.47/0.98	-2.18/-1.49	0.04/-0.69	-1.15/-7.16	-3.52/-1.55	-3.22/-5.18	-7.01/-9	-8.65/-5
Θ(127.5°)	-9.13/-8.37	-10.03/-10.33	-9.05/-6.96	-6.72/-7.2	-10.09/-10.6	-9.45/-6.77	-6.65/-7.54	-6.94/-7.14	-5.29/-4.51	-5.16/-6.18	-4.9/-4.39	-4.73/-5.99	-5.42/-3.4	-3.71/-3.07	-2.79/-4.57	-1.80/-1.2	-1.97/-0.45	0.45/-1.17	-1.02/-0.11	-3.08/-4.88	-3.32/-1.95	-3.58/-4.96	-4.4/-9.76	-10.66/-7.06
Θ(135°)	-7.39/-8.84	-8.2/-10.49	-8.26/-9.1	-9.86/-11.37	-7.84/-6.67	-6.41/-7.21	-6.01/-6.19	-4.69/-6.82	-8.84/-7.96	-5.84/-5.12	-7.17/-6.54	-4.74/-5.99	-6.63/-5.23	-3.54/-1.35	-0.11/-0.24	0.35/-0.35	-1.57/-0.09	-0.43/-3.86	-3.32/-6.29	-2.94/-1.91	-2.4/-3.6	-3.44/-7.4	-6.99/-7.7	
Θ(142.5°)	-7.12/-10.14	-11.08/-6.96	-6.57/-7.02	-6.24/-5.16	-4.87/-5.4	-6.14/-7.18	-7.95/-7.67	-5.69/-6.59	-7.95/-10.35	-9.36/-8.4	-7.61/-7.5	-7.44/-6.6	-6.67/-6.62	-4.25/-1.92	-0.67/-0.05	-0.8/-0.5	-1.82/-0.23	-1/-2.3	-3.03/-6.14	-5.47/-3.57	-3.2/-3.19	-3.5/-2.37	-1.64/-2.6	-4.78/-6.49
Θ(150°)	-9.17/-8.85	-8.1/-8.97	-8.89/-9.23	-10.48/-7.9	-7.32/-7.6	-7.34/-8.09	-9.5/-9.52	-9.61/-9.8	-10.18/-9.36	-10.05/-9.7	-9.16/-8.75	-7.6/-6.73	-6.34/-6.69	-2.79/-1.63	-0.65/-0.8	-0.96/-2.09	-3.08/-1.78	-0.89/-3.02	-7.19/-4.87	-4.5/-4.13	-5.87/-6.64	-6.37/-7.27	-8.61/-8.56	
Θ(157.5°)	-11.62/-11.37	-10.68/-10.16	-9.2/-9.33	-7.61/-6.66	-6.92/-8.83	-10.16/-10.19	-11.11/-11.98	-10.64/-9.1	-6.14/-5.56	-6.36/-7.6	-7.95/-6.47	-9.29/-8.76	-6.16/-4.33	-2.75/-1.3	-0.72/-0.91	-0.47/0.33	-0.20/-0.52	-0.67/-5.46	-5.5/-5.41	-5.54/-6.3	-7.98/-9.66	-11.71/-11.03		
Θ(165°)	-10.07/-9.02	-7.35/-7.29	-7.82/-7.6	-7.96/-8.11	-8.94/-9.18	-9.31/-9.05	-9.23/-9.42	-9/-8.67	-8.33/-8.5	-8.93/-9.25	-9.92/-9.82	-9.26/-8.38	-7.43/-8.7	-5.5/-5.44	-1.71/-3.88	-3.59/-3.62	-3.75/-4.09	-3.43/-4.2	-2.3/-3.35	-5.21/-7.64	-10.16/-11.07	-10.51/-11.28	-12.29/-12.36	-11.84/-11.51
Θ(172.5°)	-8.97/-8.3	-8.27/-9.9	-7.76/-7.44	-7.24/-7.47	-7.96/-8.37	-9/-10.38	-11.15/-11.67	-11.6/-10.44	-9.23/-7.98	-7.81/-8.75	-10.25/-11.45	-11.19/-9.1	-7.15/-5.98	-5.18/-4.89	-4.87/-4.9	-5.15/-17	-5.36/-5.54	-5.17/-4.84	-4.14/-4	-4.03/-4.93	-5.83/-6.73	-8.41/-10.58	-11.5/-10.37	-9.19/-9.17
Θ(180°)	-12.09/-11.81	-11.9/-10.75	-9.19/-8.61	-8.36/-9.1	-9.68/-9.76	-8.87/-8.34	-7.98/-8.09	-7.86/-7.72	-6.78/-6.47	-6.87/-7.63	-8.17/-7.79	-7.75/-7.76	-8.19/-8.83	-9.78/-9.32	-8.85/-8.62	-7.6/-7.14	-6.93/-6.52	-6.32/-5.68	-5.77/-5.45	-5.77/-6.32	-6.63/-7.03	-7.5/-8.06	-8.51/-9.82	-11.57/-12.42
Freq(Hz)	6.175GPol.	ThetaL	+	-	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
DGc(Θ)	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°)	-4.16/-3.01	-2.68/-2.52	-2.83/-3.12	-3.67/-4.55	-5.15/-5.91	-6.08/-6.53	-6.42/-6.51	-6.88/-6.34	-6.09/-5.89	-5.52/-5.04	-4.57/-4.13	-4.02/-4.03	-4.09/-4.22	-4.51/-4.54	-5.14/-4.58	-5.73/-5.92	-6.54/-6.62	-7.2/-6.99	-6.76/-6.64	-6.67/-6.42	-5.76/-5.18	-4.73/-5.18	-5.5/-5.36	-4.75/-4.68
Θ(7.5°)	-6.54/-5.78	-6.19/-5.73	-6.47/-5.97	-6.74/-7.28	-7.18/-7.01	-6.96/-6.83	-6.41/-6.11	-6.55/-6.12	-4.84/-4.84	-4.85/-4.62	-4.54/-4.75	-4.67/-4.47	-4.07/-3.71	-3.63/-3.21	-2.94/-2.66	-2.56/-2.75	-3.62/-4.45	-5.62/-6.73	-7.1/-7.44	-7.13/-6.12	-5.03/-4.13	-3.75/-3.67	-3.51/-5.54	
Θ(15°)	-8.65/-9.77	-9.61/-9.92	-9.3/-9.7	-10.46/-9.73	-9.47/-8.46	-7.71/-7.02	-6.49/-6.09	-5.79/-5.16	-4.25/-3.67	-3.29/-3.27	-3.58/-4.24	-4.98/-5.19	-5.09/-4.62	-4.06/-3.02	-2.52/-2.22	-2.36/-2.56	-2.84/-3.45	-4.42/-5.39	-6.15/-5.94	-5.9/-4.61	-3.88/-3.48	-3.32/-2.91	-2.71/-3.66	-6.26/-7.86
Θ(22.5°)	-5.46/-5.96	-5.67/-6.71	-5.7/-6.76	-7.97/-9.74	-6.52/-6.01	-5.81/-5.47	-5.67/-4.75	-4.04/-3.66	-3.38/-3.06	-3.06/-3.41	-4.21/-5.59	-6.65/-7.08	-7.26/-6.84	-5.88/-4.29	-3.37/-3.54	-3.29/-3.25	-2.24/-3.25	-4.7/-4.9	-5.31/-6.36	-6.39/-4.17	-2.96/-2.39	-1.99/-2.34	-3.17/-5.06	-5.67/-6.31
Θ(30°)	-3.55/-3.67	-5.2/-6.51	-5.9/-5.34	-8.42/-4.21	-5.41/-7.1	-8.42/-8.73	-8.71/-6.67	-4.38/-3.95	-3.06/-3.06	-7.07/-6.92	-5.64/-5.2	-6.82/-7.94	-8.71/-7.65	-6.42/-6.34	-6.07/-0.67	-5.28/-2.96	-1.93/-2.31	-2.51/-2.87	-4.12/-5.13	-3.76/-3.28	-3.1/-1.68	-0.5/-1.23	-4.75/-4.26	-5.05/-4
Θ(37.5°)	-2.61/-1.54	-2.45/-3.06	-3.1/-2.96	-3.67/-5.77	-7.87/-9.08	-9.88/-9.78	-8.33/-6.55	-4.93/-5.14	-6.25/-7.39	-7.32/-6.6	-4.85/-5.29	-6.71/-7.63	-8.37/-7.29	-5.58/-6.68	-5.7/-5.06	-4.62/-3.56	-3.8/-2.82	-2.26/-4	-3.87/-3.37	-3.34/-2.31	-1.09/-0.04	0.09/-0.78	-2.78/-3.18	-2.89/-3.25
Θ(45°)	-0.20/-61	-0.73/-4.23	-1.54/-1.07	-1.92/-3.19	-4.21/-5.33	-7.26/-7.62	-7.15/-5.18	-4.6/-4.87	-5.84/-7.52	-7.03/-6.85	-6.64/-6.59	-5.47/-6.56	-5.9/-5.8	-4.78/-4.53	-6.09/-5.92	-4.31/-3.86	-3.51/-3.56	-4.61/-4.39	-3.27/-3.71	-2.58/-0.88	-0.02/-0.36	0.26/-0.92	-0.18/-0.39	-1.48/-1.6
Θ(52.5°)	-0.50/-64	-0.73/-0.33	-0.91/-2.31	-1.09/-2.3	-4.66/-6.34	-7.23/-7.57	-5.04/-4.																	



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

Appendix B

Θ (105°)	0.82/-1.94	-1.14/-2.83	-2.76/-2.52	-5.77/-4.3	-5.32/-9.87	-10.14/-8.32	-7.26/-6.6	-9.35/-12.49	-11.62/-9.68	-8.27/-8.57	-10.47/-10.62	-8.63/-7.7	-9.32/-6.49	-5.83/-6.91	-5.48/-3.97	-3.87/-1.82	-4.19/-4.91	-0.05/-1.91	-1.24/-3.04	1.29/-1.93	-0.05/-0.67	-0.83/-0.96	1.69/-0.32	1.55/-0.68
Θ (112.5°)	-0.74/-2.46	-2.15/-3.12	-5.17/-1.48	-5.55/-6.12	-4.63/-6.14	-7.74/-9.4	-9.24/-9.51	-11.55/-11.55	-10.25/-10.39	-9.76/-10.32	-11.19/-11.53	-8.8/-8.04	-7.29/-5.45	-6.75/-8.07	-4.23/-4.15	-4.75/-2.05	-3.88/-4.35	0.59/-1.01	-3.23/-3.36	2.28/-1.67	1.73/-2.2	-1.83/-0.22	1.64/-1.58	0.01/-1.14
Θ (120°)	-3.15/-3.41	-7.09/-4.87	-6.29/-5.78	-6.33/-3.38	-7.61/-7.17	-4.52/-7.62	-8.03/-8.89	-10.96/-11.42	-11.11/-12.17	-1.52/-11.72	-11.25/-10.01	-11.2/-10.76	-9.44/-7.44	-6.91/-7.07	-3.44/-2.16	-4.54/-0.6	-1.55/-1.93	2.93/-0.77	-0.67/-2.04	1.16/-0.66	2.35/-2.72	-3.42/-0.26	1.49/-0.78	0.27/-1.81
Θ (127.5°)	-1.78/-3.02	-5.84/-4.61	-3.85/-4.29	-4.37/-4.94	-6.38/-7.44	-6.51/-8.15	-11.23/-9.63	-10.34/-10.71	-10.05/-8.45	-6.68/-7.15	-7.84/-9.56	-7.63/-9.18	-7.57/-5.09	-5/-8.18	-4.65/-8.44	-5.41/-2.65	-2.61/-1.67	1.86/-1.68	-1/-1.76	0.27/-1.03	1.22/-2.24	-1.81/-0.09	0.74/-1.15	0.54/-0.26
Θ (135°)	-1.77/-2.3	-2.17/-2.7	-2.51/-2.73	-4.16/-3.47	-4.07/-4.95	-6.67/-7.15	-7.96/-7.1	-7.13/-9.27	-10.73/-10.57	-9.94/-11.42	-9.19/-6.47	-7.88/-10.43	-8.91/-7.23	-8.18/-8.49	-7.85/-9.99	-7.09/-4.97	-3.44/-2.97	0.16/-0.98	-1.22/-3.04	-1.79/-3	-1.33/-0	-1.13/-0.14	-0.23/-2.21	-2.5/-1
Θ (142.5°)	-1.87/-2.03	-2.42/-2.4	-1.94/-2.41	-3.37/-3.58	-4.01/-5.77	-7.86/-8.95	-5.6/-6.42	-4.11/-5.49	-9.45/-11.32	-8/-7.36	-7.84/-11.23	-11.49/-10.99	-10.65/-10.4	-10.3/-9.9	-10.51/-12.19	-9.13/-8.09	-7.43/-6.5	-3.13/-1.98	-2.13/-2.33	-2.23/-4.75	-4.26/-2.46	-1.03/-1.65	-0.69/-0.95	-1.57/-1.88
Θ (150°)	-1/-1.27	-1.37/-1.63	-1.8/-2.22	-2.79/-4.38	-6.25/-7.73	-8.41/-8.98	-9.57/-7.03	-6.35/-7.78	-8.47/-8.6	-8.83/-9.09	-9.06/-9.89	-11.43/-10.58	-9.89/-9.93	-9.32/-10.02	-9.96/-9.25	-8.55/-10.05	-9.19/-7.74	-5.4/-3.52	-5.09/-4.71	-2.92/-3.97	-5.04/-4.48	-2.34/-1.18	-1.56/-1.75	-2.88/-1.55
Θ (157.5°)	-3.99/-4.72	-5.07/-4.2	-3.83/-4.71	-6.17/-8.85	-9.27/-8.39	-9.41/-11.29	-10.56/-10.18	-11.41/-10.34	-8.21/-6.09	-4.61/-4.59	-5.91/-8.7	-9.66/-9.25	-9.14/-9.17	-9.17/-9.42	-9.5/-8.37	-8.4/-8.95	-8.61/-10.24	-9.02/-6.58	-6.15/-4	-2.17/-2.43	-3.01/-3.06	-2.73/-2.15	-2.62/-3.83	-4.37/-4.56
Θ (165°)	-9.11/-8.32	-8.62/-9.56	-8.91/-9.03	-9.47/-9.77	-10.83/-10.75	-10.73/-11.19	-10.6/-9.85	-10.32/-12.5	-11.32/-7.13	-5.22/-4.6	-4.88/-5.74	-6.43/-6.73	-7.26/-7.23	-6.91/-5.96	-5.07/-5.04	-5.9/-7.39	-8.44/-8.5	-7.99/-8.02	-6.74/-4.69	-3.3/-2.52	-3.01/-4.31	-5.33/-5.37	-6.42/-8.34	-7.79/-8.89
Θ (172.5°)	-8.19/-8.63	-8.25/-8.87	-8.85/-8.98	-8.83/-9.67	-10.31/-9.73	-9.95/-10.07	-10.61/-11.45	-12.11/-11.8	-11.3/-10.53	-9.41/-8.44	-8.14/-7.92	-7.87/-7.44	-7.51/-7.4	-7.11/-6.03	-5.7/-5.05	-4.9/-5.2	-6.26/-7.76	-9.58/-10.03	-7.74/-5.8	-4.27/-2.97	-2.78/-3.94	-8.24/-7.9	-7.97/-8.04	-8.41/-8.09
Θ (180°)	-7.81/-8.18	-9.06/-10.41	-9.87/-9.9	-9.91/-9.02	-8.09/-8.08	-8.98/-10.35	-10.42/-10.05	-9.71/-9.7	-9.38/-9.14	-8.54/-8.24	-7.9/-7.7	-7.1/-6.38	-5.86/-5.6	-5.65/-6.13	-6.69/-7.39	-7.9/-8.53	-8.87/-9.34	-9.66/-9.13	-9.35/-9.7	-9.56/-9.21	-8.17/-7.73	-8.36/-8.7	-8.26/-7.99	-7.95/-7.84
Freq(Hz)	6.695GPol.	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°)	-3.14/-2.27	-1.82/-1.58	-1.28/-1.48	-1.86/-2.26	-3.19/-3.76	-5.08/-6.18	-7.53/-8.7	-9.86/-11.59	-10.2/-9.11	-7.7/-6.48	-6.13/-5.76	-5.06/-4.41	-4.03/-3.37	-2.84/-2.71	-2.38/-2.37	-2.97/-3.9	-4.55/-5.13	-5.43/-6.31	-7.77/-9.13	-10.51/-10.71	-9.72/-8.7	-7.9/-7.05	-6.39/-5.73	-4.82/-3.7
Θ (7.5°)	-5.16/-4.94	-5.08/-4.76	-4.8/-4.88	-4.28/-3.95	-4.24/-3.41	-4.44/-4.34	-4.46/-4.82	-5.03/-5.62	-6.28/-6.99	-6.93/-7.1	-6.83/-6.27	-5.33/-4.1	-3.19/-2.42	-2.21/-1.84	-1.7/-1.59	-1.76/-1.9	-2.34/-2.78	-3.36/-3.89	-5.04/-5.84	-6.58/-6.69	-6.63/-6.85	-6.77/-6.62	-6.75/-6.67	-6.43/-5.46
Θ (15°)	-7.29/-6.6	-5.86/-5.58	-5.24/-4.92	-4.72/-5.48	-5.54/-5.47	-5.68/-5.97	-6.3/-6.08	-5.88/-5.19	-3.98/-3.2	-2.69/-3.04	-3.47/-3.88	-3.89/-3.63	-3.68/-3.93	-3.85/-3.15	-2.57/-1.74	-1.07/-0.63	-0.55/-0.88	-1.16/-1.75	-2.43/-3.05	-3.6/-3.97	-3.94/-4.2	-4.98/-5.82	-6.72/-8.87	-8.89/-8.3
Θ (22.5°)	-4.45/-4.98	-5.37/-4.09	-6.28/-2.96	-3.77/-3.28	-3.79/-4.26	-4.51/-4.68	-4.06/-3.53	-3.9/-4.8	-5.65/-5.46	-4.27/-3.86	-3.86/-3.2	-2.69/-2.7	-2.67/-1.98	-1.37/-0.92	-0.36/-0.1	0.11/-0.2	-0.61/-0.9	-0.74/-1.04	-1.32/-1.97	-2.61/-2.42	-2.88/-2.88	-2.93/-2.91	-3.62/-4.68	-4.8/-4.53
Θ (30°)	-2.78/-3.4	-3.46/-3.39	-2.68/-2.92	-3.69/-4.35	-5.81/-5.17	-4.71/-3.97	-3.3/-2.46	-1.7/-2.07	-2.94/-3.82	-4.24/-4.22	-3.92/-3.65	-3.04/-2.52	0.29/-1.77	1.92/-1.4	0.47/-0.63	-1.29/-1.43	-1.04/-0.83	-1.29/-2.73	-2.13/-2.04	-0.92/-0.35	0.92/-0.78	-0.56/-0.84	-2.29/-3.4	-2.96/-3.89
Θ (37.5°)	-2.1/-2.16	-3.6/-3.72	-3.35/-2.55	-3.55/-5.49	-6.36/-6.39	-4.35/-2.52	-1.87/-1.95	-2.8/-3.25	-3.77/-4.43	-5.01/-4.36	-4.42/-3.93	-3.19/-3.72	-3.49/-1.68	0.21/-0.83	0.64/-0.31	0.14/-0.39	-1.11/-1.23	-0.08/-1.27	1.62/-0.92	-0.25/-0.45	0.13/-0.52	-0.02/-1.43	-2.48/-1.21	-1.24/-1.95
Θ (45°)	-1.23/-0.76	-2.28/-3.88	-3.24/-2.37	-1.8/-1.96	-2.82/-4.6	-3.33/-1.14	-0.67/-0.68	-1.74/-2.39	-3.02/-3.97	-5.13/-4.81	-3.45/-4.21	-4.02/-3.42	-4.84/-3.58	-1.21/-0.69	1.71/-0.82	0.05/-0.57	0.922/-7	2.69/-1.7	0.761/-4.4	2.312/-62	1.98/-0.99	0.9/-0.21	0.42/-1.18	0.6/-0.57
Θ (52.5°)	0.68/-0.38	-0.74/-1.75	-1.34/-1.96	-2.19/-1.88	-0.93/-1.79	-4.28/-5.63	-2.09/-3.3	-0.93/-2.05	-2.56/-6.1	-3.88/-3.5	-2.43/-3.64	-3.96/-3.96	-3.58/-3.35	-2.37/-1.22	-1.5/-2.13	-0.03/-53	2.36/-2.29	3.02/-1.89	3.14/-5.5	4.22/-85	1.14/-0.1	-0.49/-0.7	0.62/-0.14	0.34/-0.79
Θ (60°)	-0.3/-1.42	-1.99/-2.72	-1.2/-1.51	-0.72/-3.02	-4.34/-4.26	-4.02/-3.27	-1.24/-0.48	-1.84/-3.92	-6.38/-4.16	-3.7/-3.39	-3.13/-3.78	-2.92/-2.43	-2.68/-2.96	-1.77/-1.23	2.42/-3.28	3.84/-3.41	2.68/-1.58	1.43/-2.33	1.73/-0.62	-0.31/-1.44	-1.74/-0.38	0.38/-0.27	-0.68/-0.54	
Θ (67.5°)	0.23/-0.87	-2.53/-2.63	-3.48/-3.02	-4.31/-4.66	-5.24/-3.52	-2.08/-3.08	-3.88/-4.49	-2.74/-3.62	-4.97/-4.86	-3.51/-3.43	-4.33/-4.4	-2.02/-2.56	-0.51/-3.9	-0.24/-1.02	-0.48/-0.34	1.61/-89	2.79/-1.18	0.03/-63	-0.05/-0.89	-2.69/-2.54	-0.22/-1.02	0.86/-0.4	0.15/-0.43	
Θ (75°)	-1.02/-0.85	-3.1/-2.58	-3.57/-3.99	-5.54/-7.44	-5.59/-3.58	-4.85/-5.91	-6.67/-6.62	-4.96/-5.41	-3.65/-6.4	-2.73/-2.33	-3.92/-1.89	-1.56/-2.78	-3.84/-4.32	-1.75/-0.34	0.29/-0.16	1.25/-1.19	2.27/-1.02	0.37/-1.11	-0.16/-0.13	-0.26/-3.56	-5.36/-3	-1.74/-1.48	-0.15/-0.42	-0.97/-0.66
Θ (82.5°)	-2.8/-3.21	-3.65/-4.5	-5.83/-4.3	-5.12/-5.49	-6.74/-5.85	-7.64/-5.51	-5.64/-6.83	-7.46/-4.19	-2.94/-4.55	-3.32/-4.79	-5/-6.41	-6.82/-6.1	-5.68/-3.87	-1.63/-0.11	1.44/-0.62	-1.94/-0.06	0.13/-73	0.31/-3.89	-0.86/-0.58	0.14/-1.56	-3.8/-4.12	-5.16/-4.36	-3.51/-2.73	-2.7/-2.11
Θ (90°)	-4.12/-3.76	-6.94/-7.14	-8.69/-8.31	-8.52/-7.68	-6.53/-6.4	-8.54/-7.8	-4.35/-7.8	-7.28/-3.61	-3.43/-4.9	-2.08/-4.14	-4.77/-5.81	-5.44/-4.44	-4.29/-7.33	-4.11/-1.16	-0.21/-1.18	-0.23/-4.1	0.68/-0.99	-0.53/-3.02	-2.94/-0.79	-1.32/-1.71	-1.35/-4.77	-6.74/-2.95	-5.18/-6.39	-2.92/-2.48
Θ (97.5°)	-6.46/-6.96	-8.89/-9.37	-11.83/-6.09	-7.57/-9.88	-8.21/-6.38	-7.78/-7.19	-5.92/-6.89	-6.25/-5.62	-2.21/-6.79	-5.55/-5.13	-6.83/-6.88	-6.57/-7.25	-5.53/-3.75	-1.55/-0.17	-0.46/-0.18	-0.16/-1.41	1.38/-0.3	-0.35/-4.15	-0.55/-0.17	0.26/-3.07	-1.13/-1.1	-1.77/-0.55	-11.21/-7.26	-4.93/-4.19
Θ (105°)	-4.1/-5.18	-5.97/-5.07	-4.47/-5.18	-7.04/-6.02	-6.4/-5.35	-6.9/-8.21	-9.01/-8.66	-5.46/-2.66	-4.34/-6.06	-4.48/-5.42	-5.56/-6.61	-4.86/-6.73	-5.22/-4.96	-0.65/-0.11	1.24/-0.33	-1.51/-0.4	2.55/-1.82	3.14/-0.87	-0.76/-1.83	1.75/-0.49	-0.91/-0.8	-1.33/-5.98	-7.89/-6.95	-3.87/-3.48
Θ (112.5°)	-6.74/-9.1	-7.61/-8.72	-8.54/-8.45	-6.14/-7.69	-8.83/-6.12	-7.84/-8.45	-5.15/-6.16	-5.25/-3.52	-7.79/-6.03	-5.4/-5.96	-4.58/-4.94	-5.25/-4.42	-2.21/-2.61	-0.52/-1.18	1.5/-0.77	-5.48/-2.16	1.64/-61	1.25/-1.79	1.31/-2.48	0.18/-0.31	-0.53/-5.58	-3.43/-5.63	-8.08/-8.6	-6.14/-5.71
Θ (120°)	-9.25/-9.09	-9.5/-7.4	-6.69/-6.11	-6.67/-8.83	-7.83/-5.33	-3.28/-5.92	-6.72/-7.96	-5.27/-6.76	-6.98/-6.79	-9.87/-7.38	-6.25/-5.33	-5.63/-4.54	-2.74/-0.34	-0.78/-0.96	-1.04/-2.04	-5.07/-73	1.41/-33	0.53/-1.37	0.94/-2.55	1.58/-0.36	-0.25/-2.49	-1.67/-2.67	-5.43/-7.67	-7.38/-7.48
Θ (127.5°)	-10.39/-8.64	-6.91/-6.65	-6.66/-6.58	-8.21/-7.72	-7.84/-6.43	-5.72/-4.88	-5.13/-4.82	-8.01/-6.22	-5.54/-6.37	-6.73/-6.8	-7.78/-7.11	-5.97/-6.23	-6.22/-4.35	-3.83/-2.79	-1.91/-2.6	-0.78/-1.98	2.01/-31	1.14/-104	-0.89/-2.42	0.64/-1.91	-0.46/-0.5	-0.37/-0.49	-2.15/-4.74	-5.85/-6.04
Θ (135°)	-11.11/-11.45	-7.82/-6.71	-6.25/-6.69	-10.13/-6.45	-6.27/-5.54	-6.5/-5.97	-4.68/-4.85	-7.52/-6.91	-5.89/-5.34	-7.13/-8.48	-6.26/-5.97	-6.16/-5.77	-4.92/-3.91	-4.82/-2	-1.9/-1.89	-0.58/-0.85	0.43/-33	1.23/-0.39	0.03/-0.88	-0.26/-3.43	-3.66/-0.79	-2.94/-2.47	-2.19/-3.29	-4.06/-4.3
Θ (142.5°)	-9.52/-9.06	-8.7/-7.61	-8.18/-7.84	-6.97/-6.44	-5.22/-6.23	-8.41/-7.85	-6.67/-6.39	-7.26/-8.1	-6.16/-5.01	-4.89/-6.7	-8.57/-8.51	-7.47/-6.32	-5/-5.68	-4.79/-2.08	-0.47/-0.88	0.51/-109	1.30/-97	1.20/-1	-0.72/-0.51	-1.67/-3.23	-4.44/-6.12	-3.21/-4.83	-2.63/-3.16	-5.17/-9.03
Θ (150°)	-6.16/-6.85	-7.84/-8.76	-7.98/-7.67	-6.73/-5.01	-4.71/-6.48	-8.63/-10.85	-9.34/-8.33	-8.01/-8.91	-9.12/-9.78	-7.79/-6.34	-6.88/-4.66	-6.43/-6.01	-4.01/-3.09	-1.33/-0.76	1.36/-1.28	0.67/-0.05	0.22/-0.16	0.62/-0.79	1.16/-1.16	-0.36/-3.83	-5.62/-5.88	-6.16/-3.5	-3.32/-4.54	-6.4/-7.2
Θ (157.5°)	-9/-9.81	-5.88/-8.14	-8.58/-6.88	-8.58/-9.43	-11.08/-11.24	-9.02/-7.89	-7.75/-7.94	-8.34/-10.02	-11.06/-10.3	-7.93/-5.46	-4.35/-4.8	-5.36/-4.59	-3.4/-2.13	-1.49/-1.62	-1.59/-0.81	-0.68/-1.24	-0.96/-0.42	0.94/-1.78	1.76/-0.94	-0.62/-2.51	-5.83/-4.66	-5.43/-4.81	-5.81/-6.85	-8.31/-5.85
Θ (165°)	-11.42/-11.57	-10.78/-10.9	-9.68/-9	-8.39/-9.61	-10.38/-10.37	-9.77/-10.31	-10.96/-12.01	-12.15/-11.23																



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

Appendix B

Θ (157.5°)	-3.74/-3.36	-4.31/4.15	-3.51/-3.09	-2.63/-3.63	-5.84/-8.24	-9.29/-10.58	-11.81/-11.33	-10.36/-8.54	-7.12/-6.4	-6.83/-6.67	-6.64/-5.99	-6.43/-7.31	-7.57/-8.33	-8.88/-9.53	-8.92/-8.95	-8.95/-7.71	-7.24/-7.12	-5.12/-3.95	-5.55/-5.36	-1.66/-0.59	-2.35/-3.85	-3.99/-3.03	-3.74/-4.93	-4.47/-4.32
Θ (165°)	-7.7/-5.95	-5.31/-4.38	-4.4/-5.98	-6.81/-6.38	-7.03/-7.87	-8.97/-9.84	-11.29/-11.26	-11.61/-10.07	-9.72/-9.19	-7.6/-5.26	-3.74/-3.12	-3.84/-6.45	-5.79/-6.37	-7.06/-7.22	-6.71/-5.32	-3.88/-3.2	-3.09/-3.73	-3.06/-3.68	-3.52/-3.84	-2.87/-1.82	-0.91/-1.62	-3.02/-4.63	-5.39/-7.27	-7.39/-7.26
Θ (172.5°)	-4.36/-5.14	-5.39/-5.47	-5.91/-7.05	-9.42/-10.71	-10.66/-9.43	-9.42/-10.51	-11.73/-12.36	-12.34/-12.34	-11.63/-9.79	-6.82/-7.05	-6.79/-6.79	-7.21/-6.97	-6.44/-5.88	-5.69/-5.62	-5.41/-4.79	-4.58/-4.7	-4.83/-3.36	-5.81/-6.38	-6.26/-5.71	-4.69/-3.35	-0.62/-2.7	-3.31/-3.84	-3.75/-4.19	-4.66/-3.97
Θ (180°)	-5.61/-5.97	-6.66/-6.87	-8.32/-8.36	-9.48/-8.23	-5.76/-5.15	-5.71/-7.29	-7.79/-7.51	-7.64/-7.65	-5.99/-4.7	-4.01/-4.03	-4.24/-4.54	-4.91/-5.56	-6.16/-6.6	-7.13/-6.61	-6.31/-6.62	-6.21/-5.58	-5.13/-5.75	-7.02/-7.42	-6.83/-6.58	-6.5/-5.63	-6.03/-6.32	-7.16/-6.43	-5.34/-5.28	-5.87/-5.95

6G option12

Freq(Hz)	6.175G/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°)	-7.05/-7.35	-6.86/-6.34	-5.48/-4.34	-3.7/-3.24	-3.23/-3.36	-3.49/-3.66	-3.69/-3.52	-3.45/-3.92	-4.99/-6.12	-6.77/-7.29	-8.33/-8.97	-9.13/-8.63	-8.23/-7.27	-6.1/-5	-4.27/-4.1	-4.23/-4.09	-3.61/-3.16	-3.07/-3.15	-3.19/-3.42	-3.71/-3.99	-4.4/-5.17	-5.84/-5.86	-6.05/-6.88	-7.04/-7.25
Θ(7.5°)	-7.13/-6.54	-5.46/-4.6	-4.15/-3.92	-3.66/-3.39	-3.31/-3.33	-3.38/-3.45	-3.54/-3.51	-3.17/-3.18	-3.24/-3.79	-3.72/-3.75	-3.92/-4.14	-4.76/-5.36	-5.28/-5.61	-5.79/-4.91	-4.03/-3.86	-3.59/-3.34	-2.92/-2.7	-2.59/-2.74	-3.27/-4.19	-5.39/-6.25	-7.78/-9.7	-10.46/-11.3	-11.51/-10.74	-9.33/-8.57
Θ(15°)	-3.79/-3.19	-2.88/-2.23	-1.96/-2.2	-2.66/-2.7	-2.53/-2.45	-2.34/-1.94	-1.6/-1.06	-0.72/-0.5	-0.53/-0.84	-1.36/-2.2	-3.02/-3.23	-3.5/-3.66	-4.18/-4.78	-5.14/-6.9	-4.18/-3.34	-2.75/-2.41	-2.34/-2.3	-2.16/-2.26	-2.7/-3.43	-4.25/-5.07	-5.83/-6.38	-6.29/-5.79	-5.48/-4.81	-4.2/-4
Θ(22.5°)	-3.62/-2.98	-3.01/-3.24	-2.47/-1.95	-1.34/-1.38	-1.68/-2.43	-2.53/-2.27	-2.07/-1.61	-1.17/-0.92	-0.320/0.3	-0.18/-1.02	-1.91/-2.91	-4.15/-5.1	-5.18/-4.52	-3.21/-2.52	-1.9/-1.41	-1.06/-0.96	-1.11/-1.46	-2.2/-2.92	-3.59/-4	-4.33/-4.67	-4.12/-3.98	-3.64/-3.68	-4.16/-4.3	-4.95/-4.3
Θ(30°)	-3.86/-3.2	-2.01/-1.52	-0.84/-0.4	-0.44/-0.66	-0.87/-0.1	-1.04/-0.97	-1.31/-1.36	-1.1/-1.25	-1.58/-1.62	-1.02/-1.25	-2.14/-3.81	-5.32/-5.95	-6.64/-5.75	-4.84/-3.68	-2.75/-2.09	-1.96/-2.27	-2.92/-3.07	-2.7/-2.5	-3.38/-4.44	-4.84/-4.68	-4.57/-4.16	-4.03/-4.22	-5.05/-5.15	-4.2/-3.26
Θ(37.5°)	-1.09/-0.65	-0.64/-0.25	0.020/0.3	0.57/-0.16	-0.030/0.16	-0.38/-0.71	-1.04/-1.27	-1.42/-1.32	-1.44/-2.05	-2.34/-2.36	-3/-3.71	-3.84/-2.76	-2.13/-2.39	-3.02/-3.21	-2.8/-3.01	-3.33/-2.84	-1.1/-0.44	-0.97/-2.32	-3.41/-3.97	-3.54/-2.66	-2.38/-2.27	-1.52/-1.36	-1.23/-1.35	-1.26/-1.47
Θ(45°)	-0.95/-1.1	-0.390/0.85	1.41/1.14	1.26/1.09	0.980/0.95	1.310/0.97	-0.03/-0.68	-0.88/-1.36	-1.98/-2.22	-1.85/-1.38	-2.36/-3.86	-2.87/-1.99	-1.65/-1.82	-2.6/-2.68	-2.62/-3.12	-2.59/-2.31	-1.76/-1.09	-1.72/-1.68	-0.650/0.7	0.390/0.21	-0.6/-2.11	-2.75/-2.56	-1.31/-1	-1.3/-1.16
Θ(52.5°)	0.06/-0.22	0.781/56	1.942/89	3.32/86	1.670/65	0.460/51	0.83/-0.3	-0.99/-2.5	-2.94/-2.32	-2.42/-1.84	-1.65/-3.81	-4.86/-3.9	-1.89/-2.31	-4/-3.66	-2.24/-1.64	-2.85/-4.6	-4.26/-2.6	-1.38/-3.03	0.140/0.98	1.410/0.6	0.04/-0.86	-1.44/-0.73	0.080/-0.5	-0.86/-2.1
Θ(60°)	0.610/-17	0.450/87	1.88/-158	2.522/-32	1.84/-107	-1.88/-1.78	-1.41/-1.19	-1.59/-2.27	-2.8/-4.45	-3.61/-3.93	-4.89/-4.16	-4.99/-3.73	-1.77/-1.25	-1.98/-3.51	-3.04/-2.52	-1.75/-3.21	-5.75/-4.27	-3.04/-4.97	-2.95/-0.43	1.07/-0.04	-0.9/-0.29	-1.430/0.29	0.690/0.6	0.510/54
Θ(67.5°)	-0.910/11	0.430/73	0.510/88	0.950/89	1.050/4	-0.52/-1.55	-3.01/-2.14	-1.86/-2.88	-2.68/-3.11	-2.3/-2.46	-3.65/-5.73	-5.73/-5.92	-4.38/-4.64	-4.32/-3.37	-2.21/-1.91	-1.71/-2.21	-4.79/-3.89	-2.6/-4.96	-4.41/-2.27	-1.75/-2.38	-2.66/-3.93	-2.97/-1.56	-0.020/0.41	0.01/-0.31
Θ(75°)	0.211/-29	0.33/-0.24	0.090/0	0.450/63	0.08/-0.76	-1.34/-0.86	-0.010/-27	-0.98/-2.83	-2.26/-1.35	-2.06/-3.68	-5.81/-5.69	-5.25/-5	-4.49/-3.27	-3.72/-3.2	-2.5/-1.76	-3.79/-3.73	-3.63/-3.82	-4.38/-4.29	-4.71/-3.88	-3.93/-3.14	-3.32/-4.77	-4.54/-2.63	-0.72/-0.64	-0.030/-78
Θ(82.5°)	-0.63/-0.11	-0.8/-2.14	-3.04/-2.27	-1.66/-0.76	-0.56/-1.07	-0.50/0.8	0.67/-0.02	0.820/-46	-0.44/-0.53	-1.07/-2.05	-1.07/-2.05	-3.88/-3.53	-4.83/-4.98	-5.74/-5.24	-4.61/-5.16	-4.79/-4.44	-5.64/-5.26	-4.09/-2.93	-2.68/-3.02	-2.89/-5.17	-5.16/-3.16	-2.45/-0.52	0.02/-0.29	
Θ(90°)	-1.82/-2.19	-2.59/-3.09	-3.46/-2.42	-1.64/-1.22	-2.29/-1.26	-0.56/-0.26	-0.160/1.1	0.740/62	-0.56/-0.65	-0.38/-1.13	-2.7/-4.47	-5.56/-5.52	-5.14/-3.57	-4.47/-4.95	-4.36/-6.12	-5.29/-3.42	-5.84/-4.13	-5.02/-3.38	-2.92/-2.5	-3.59/-4.19	-2.74/-4.41	-4.27/-3.08	-4.13/-3.98	-2.07/-1.82
Θ(97.5°)	-4.03/-3.96	-3.7/-3.86	-3.36/-3.4	-3.49/-2	-3.18/-4.65	-3.19/-1.98	-0.87/-0.01	0.930/52	-0.11/-0.58	-1.78/-2.26	-6.87/-5.26	-6.39/-5.6	-4.4/-2.9	-4.75/-3.64	-5.59/-5.93	-2.89/-2.87	-3.51/-3.25	-1.31/-2.55	-0.75/-1.4	-3.27/-3.41	-4.52/-3.98	-4.1/-2.38	-2.95/-4.93	-3.95/-3.79
Θ(105°)	-4.34/-4.82	-4.17/-4.56	-5.5/-4.95	-4.65/-3.17	-3.02/-3.07	-3.28/-1.31	-0.68/-0.27	-2.51/-1.12	-2.15/-2.88	-3.63/-5.4	-3.39/-2.61	-3.41/-4.59	-5.06/-4.61	-2.57/-4.46	-4.96/-6.17	-5.39/-6.57	-4.03/-1.26	0.19/-1.42	-1.47/-2.5	-7.87/-4.33	-3.63/-5.43	-10.22/-10.48	-8.44/-5.48	
Θ(112.5°)	-3.54/-3.19	-3.58/-3.5	-4.09/-5.35	-5.45/-4.71	-3.79/-2.52	-2.48/-1.25	-0.57/-0	0.16/-0.91	-1.5/-2.16	-3.54/-3.18	-3.88/-4.21	-3.37/-2.4	-3.45/-3.99	-3.66/-4.77	-4.76/-3.98	-5/-4.54	-4.02/-3.13	-2.73/-1.95	-2.42/-1.95	-4.56/-8.84	-4.37/-4.06	-4.75/-3.22	-4.84/-6.13	-2.98/-2.67
Θ(120°)	-5.54/-5.4	-5.24/-4.7	-2.79/-1.87	-1.15/-1.32	-1.2/-1.92	-1.48/-1.72	-1.31/-1.85	-2.46/-1.66	-1.49/-1.89	-1.69/-2.2	-3.72/-4.36	-5.46/-4.9	-4.77/-3.84	-3.17/-4.61	-4.55/-4.13	-5.92/-1.6	-6.41/-2.66	-5.47/-5.91	-5.87/-3.76	-6.75/-8.6	-4.48/-6.39	-5.37/-6.66	-4.78/-5.61	-5.07/-4.35
Θ(127.5°)	-7.46/-5.14	-5.55/-4.56	-3.52/-2.1	-2.05/-2.47	-3.69/-3.19	2.34/-1.29	-0.74/-0.91	-1.21/-1.6	-1.05/-3.03	-1.41/-3.26	-3.97/-4.63	-5.54/-6.67	-7.25/-6.19	-4.75/-4.4	-4.53/-6.04	-4.43/-2.38	-1.74/-1.01	-6.69/-2.87	-7.17/-6.65	-3.12/-6.69	-5.03/-5.79	-4.63/-8.67	-8.74/-6.52	
Θ(135°)	-5.88/-5.98	-4.58/-5.9	-6.38/-7.2	-6.97/-6.39	-3.86/-3.08	-2.05/-1.3	-1.06/-0.87	-1.32/-3.29	-5.59/-5.28	-4.4/-5.66	-5.39/-4.8	-4.07/-4.54	-5.47/-4.1	-4.38/-3.69	-3.34/-5.37	-5/-5.11	-5.69/-3.36	-2.05/-5.74	-5.9/-6.58	-7.13/-5.28	-3.87/-3.12	-3.53/-4.67	-4.94/-5.87	-6.17/-4.44
Θ(142.5°)	-5.23/-7.22	-7.89/-5.02	-4.3/-4.07	-3.68/-3.57	-4.52/-4.98	-4.25/-5.53	-3.14/-3.09	-3.16/-5.15	-7.08/-9.27	-9.28/-8.22	-6.98/-6.22	-5.91/-5.26	-5.72/-6.78	-6.35/-5.42	-4.79/-3.92	-5.07/-3.87	-4.78/-2.18	-2.09/-3.37	-4.86/-6.35	-6.44/-5.04	-4.76/-4.14	-5.92/-5.43	-4.35/-4.57	-4.45/-4.93
Θ(150°)	-7.38/-7.94	-8.89/-9.41	-9/-8.28	-7.74/-6.73	-7.01/-7.69	-6.79/-6.53	-6.37/-5.89	-6.12/-5.66	-9.82/-10.64	-12.73/-11.4	-10.65/-10.04	-8.75/-8.3	-8.55/-7.39	-5.34/-4.32	-3.55/-3.62	-5.26/-4.89	-3.31/-3.35	-3.65/-3.14	-2.93/-4.24	-7.38/-9.28	-11.65/-9.3	-8.83/-8.04	-6.45/-7.4	-7.59/-6.89
Θ(157.5°)	-7.72/-7.82	-7.63/-6.76	-6.24/-6.69	-6.54/-6.22	-6.8/-8.17	-8.5/-7.5	-6.6/-6.43	-5.75/-5.04	-4.6/-4.54	-5.21/-6.55	-7.65/-7	-6.96/-7.65	-7.07/-6.1	-4.9/-3.62	-3.54/-3.87	-3.37/-2.11	-1.82/-2.6	-3.57/-4.08	-4.81/-7.29	-9.6/-8.72	-8.96/-9.05	-6.8/-9.18	-8.79/-8.19	-8.43/-7.65
Θ(165°)	-8.51/-8.77	-8.11/-9.2	-10.41/-9.47	-8.75/-8.4	-7.68/-6.85	-6.72/-6.66	-7.05/-7.5	-7.71/-7.82	-7.78/-8.13	-8.88/-9.5	-9.74/-9.82	-9.59/-8.65	-7.75/-7.08	-5.87/-4.91	-4.1/-3.5	-3.38/-3.86	-4.75/-5.93	-6.21/-5.84	-6.38/-8.06	-9.94/-11.78	-12.36/-11.4	-10.83/-11.08	-12.22/-11.52	-10.78/-10.65
Θ(172.5°)	-8.66/-7.97	-7.4/-7.09	-6.75/-6.48	-6.18/-6.28	-6.61/-6.88	-7.16/-8.11	-8.92/-9.82	-10.53/-10.44	-8.77/-8.16	-8.13/-8.1	-9.02/-9.91	-9.11/-7.37	-5.92/-5.19	-4.75/-4.69	-5.07/-5.53	-6/-6.39	-6.96/-7.82	-7.83/-7.65	-6.99/-6.9	-6.72/-7.17	-7.22/-7.02	-7.55/-8.59	-9.36/-8.88	-8.58/-8.71
Θ(180°)	-9.95/-9.67	-8																						



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

Appendix B

Θ(180°)	-6.8/-7.37	-8.17/-9.88	-10.36/-10.46	-10.08/-9.31	-8.64/-8.69	-9.66/-11.47	-11.66/-11.63	-11.74/-11.87	-11.57/-11.14	-10.84/-10.3	-9.55/-9.26	-8.65/-7.92	-7.53/-7.2	-7.08/-7.4	-7.92/-8.2	-8.71/-9.37	-9.75/-9.96	-10.54/-10.65	-11.72/-12.32	-12.46/-12.07	-11.16/-9.91	-9.19/-8.42	-7.64/-7.42	-7.14/-7.08
Freq(Hz)	6.695G/Pol.	PhiH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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°)	-0.98/-0.3	0.05/0.05	0.09/-1.7	-0.67/-1.16	-2.09/-2.96	-4.38/-5.1	-7.09/-8.51	-9.58/-11.56	-10.75/-8.99	-7.69/-5.89	-4.73/-3.81	-2.86/-2.31	-1.94/-1.47	-1.0/-0.87	-0.81/-0.93	-1.47/-2.25	-2.97/-3.81	-4.48/-5.5	-7.16/-9.2	-11.35/-12.11	-10.11/-8.61	-7.53/-6.3	-5.08/-3.67	-2.51/-1.63
Θ(7.5°)	-2.67/-2.49	-2.47/-2.61	-2.58/-2.66	-2.47/-2.45	-2.86/-3.45	-3.68/-3.9	-4.5/-5.02	-5.44/-6.28	-7.63/-8.68	-7.93/-7.06	-5.77/-4.63	-3.45/-2.65	-1.86/-1.2	-0.87/-0.65	-0.61/-0.81	-1.07/-1.52	-2.12/-2.79	-3.77/-4.83	-6.83/-8.21	-8.34/-8.2	-7.16/-6.16	-5.65/-5.24	-4.61/-3.93	-3.55/-2.87
Θ(15°)	-4.76/-4.01	-3.57/-3.84	-3.78/-3.45	-3.29/-3.35	-3.47/-3.4	-3.39/-3.68	-4.57/-5.1	-5.74/-5.97	-5.6/-5.19	-4.52/-4.43	-4.57/-4.71	-4.18/-3.36	-2.79/-2.23	-1.72/-1.3	-1.19/-0.89	-0.68/-0.64	-0.81/-1.47	-2.29/-3.39	-4.53/-5.61	-6.25/-6.17	-5.44/-5.24	-5.41/-5.2	-4.03/-5.7	-5.47/-5.13
Θ(22.5°)	-3.24/-3.39	-3.73/-3.01	-2.62/-2.71	-3.19/-2.76	-2.65/-2.24	-2.26/-2.62	-3.04/-3.13	-3.65/-4.29	-5.02/-5.38	-4.9/-4.71	-4.96/-4.33	-3.94/-3.97	-3.63/-2.67	-1.86/-1.48	-1.11/-0.85	-0.77/-0.88	-1.13/-1.5	-1.87/-2.71	-3.61/-4.29	-4.41/-4.46	-4.58/-4.53	-4.25/-3.97	-4.31/-4.52	-4.11/-3.41
Θ(30°)	-0.87/-1.04	-1.42/-1.62	-1.5/-2.61	-3.38/-3.29	-2.81/-1.76	-1.39/-1.18	-1.48/-1.64	-1.51/-1.68	-2.32/-3.49	-4.34/-4.48	-3.81/-2.95	-2.53/-2.51	-1.5/-0.5	0.19/0.41	-0.14/-0.9	-1.5/-1.67	-1.67/-1.64	-1.83/-2.07	-2.51/-3.06	-2.88/-2.21	-1.57/-1.05	-0.91/-0.85	-1.21/-1.18	-1.49/-1.48
Θ(37.5°)	-1.88/-1.69	-1.66/-1.58	-1.37/-1.03	-0.95/-1.07	-1.38/-1.52	-0.50/-3	0.27/-0.22	-1.13/-1.34	-1.82/-3.15	-4.4/-4.25	-4.06/-3.07	-2.77/-3.39	-3.04/-1.71	0.08/0.3	-0.83/-2.36	-2.06/-1.59	-2.35/-2.86	-1.98/-0.47	-0.34/-1	-1.59/-1.28	-1.28/-1.67	-1.71/-1.77	-1.68/-0.85	-1.57/-2.02
Θ(45°)	-0.50/-0.19	-0.27/-0.48	0.52/-1.38	1.96/-9.1	0.87/-0.53	0.35/-1.62	1.57/-0.97	-0.57/-1.21	-1.39/-2.48	-4.26/-5.2	-4.25/-3.21	-3.4/-5.12	-6.22/-5.86	-3.92/-1.89	-0.86/-1.95	-2.7/-2.75	-2.09/-0.55	-0.16/-0.39	-0.57/-0.31	0.53/0.82	-0.1/-1.07	-0.34/-0.35	0.23/0.47	0.24/-0.16
Θ(52.5°)	0.63/-1.02	1.16/0.6	1.35/-1.39	1.68/2.29	2.55/-1.63	-0.12/-1.18	-0.5/-0.78	-1.45/-1.64	-2.59/-4.22	-4.12/-2.79	-2.37/-2.33	-1.93/-2.61	-4.64/-4.2	-5.52/-4.66	-4.46/-4.35	-3.3/-2.13	-1.59/-0.44	-1.1/-3.3	-1.37/-1.75	2.01/0.59	-1.68/-2.37	-2.14/-3.01	0.15/0.13	0.37/0.67
Θ(60°)	1.21/-1.21	1.12/0.35	0.66/0.85	1.42/0.89	4.07/0.4	-0.37/-0.7	-0.45/-0.27	-0.94/-2.93	-5.49/-4.3	-2.42/-2.5	-2.96/-3.55	-2.66/-2.03	-2.34/-2.4	-3.59/-3.65	-2.98/-1.29	-2.32/-2.27	-1.23/-1.28	-2.27/-2.51	-0.34/-1	-1.52/-2.49	-1.88/-1.97	-3.18/-2.08	-0.44/-0.26	-0.36/0.42
Θ(67.5°)	1.71/-1.41	0.71/0.29	-0.22/-0.43	-1.04/-1.75	-1.86/-0.62	0.21/-0.51	-0.94/-1.32	-1.22/-2.66	-3.05/-2.68	-2.3/-1.97	-2.13/-2.22	-3.16/-3.58	-2.68/-1.43	-1.86/-3.38	-2.93/-3.63	-2.51/-4.36	-4.37/-4.13	-4.19/-5.29	-6.69/-4.02	-1.6/-2.79	-5.92/-4.56	-1.37/-0.61	0.71/-22	1.37/-99
Θ(75°)	-0.57/0.04	-0.9/0.05	-0.14/-0.17	-0.27/-1.6	-0.84/-0.04	-0.45/-0.84	-0.89/-1.61	-1.46/-2.26	-2.3/-1.85	-0.44/-1.24	-1.34/0.28	0.32/-0.82	-1.8/-2.14	-2.78/-1.94	-2.45/-3.06	-3.2/-1.88	-2.18/-2	-0.72/-0.64	-4.19/-2.47	-2.61/-4.69	-6.94/-3.38	-2.48/-1.76	-0.27/0.21	0.33/0.37
Θ(82.5°)	-0.22/-2.28	-2.23/-1.51	-0.77/0.6	0.94/0.32	-0.94/-0.15	-0.91/0.08	-0.69/-2.67	-3.94/-3.24	-2.4/-2.54	-3.79/-5.34	-6.72/-7.39	-7.24/-7.05	-3.62/-3.37	-2.75/-4.14	-3.83/-2.67	-4.83/-1.35	-1.3/-3.04	-1.97/-1.8	-1.52/-2.49	-5.33/-6.77	-5.38/-5.43	-3.61/-2.29	-2.14/-1.73	
Θ(90°)	-2.41/-1.13	-2.09/-1.6	-1.63/-1.35	-0.68/-0.39	-0.93/-1.41	-2.37/-1.93	-1.01/-2.26	-3.16/-2.35	-1.93/-2.16	-1.47/-3.17	-4.72/-6.06	-6.57/-7.38	-6.48/-6.88	-6.77/-4.48	-5.63/-4.95	-2.88/-2.24	-3.13/-3.07	-3.39/-4.72	-6.69/-2.07	-4.25/-4.17	-3.18/-5.52	-6.33/-5.28	-6.6/-3.64	-3.24/-1.93
Θ(97.5°)	-4.26/-3.95	-3.82/-4.04	-4.86/-2.14	-1.88/-2.69	-2.37/-1.44	-1.84/-2.14	-2.29/-1.58	-1.2/-0.76	-0.58/-3.46	-4.54/-5.31	-3.92/-5.74	-6.64/-7.89	-4.41/-5.76	-4.4/-3.48	-5.32/-3.68	-3.2/-3.73	-3.59/-3.79	-4.68/-5.19	-3.59/-3.86	-3.22/-4.06	-3.67/-3.83	-4.49/-6.16	-9.37/-5.28	-5.47/-4.27
Θ(105°)	-2.32/-3.04	-2.94/-3.13	-3.13/-3.96	-5.02/-4.47	-4.11/-3.5	-2.96/-2	-1.55/-1.76	-0.19/0.9	-0.27/-2.33	-1.42/-1.61	-2.19/-3.8	-4.79/-7.83	-7.48/-6.69	-3.98/-4.33	-4.67/-5.75	-3.73/-3.64	-2.35/-3.7	-2.18/-4.33	-3.32/-4.3	-4.12/-3.42	-6.12/-4.2	-6.92/-5.67	-3.68/-2.65	
Θ(112.5°)	-3.96/-5.82	-5.67/-6.03	-5.07/-5.37	-4.31/-3.84	-3.73/-1.53	-2.84/-3.1	-1.19/-0.43	-0.48/-0.38	-2.74/-2.34	-1.23/-1.96	-2.45/-4.42	-5.56/-6.42	-4.39/-5.51	-3.47/-4.51	-3.96/-5.26	-4.64/-5.23	-2.22/-4.58	-2.12/-4.74	-4.23/-3.81	-4.5/-2.92	-3.82/-7.94	-8.47/-10.91	-11.28/-6.67	-4.94/-3.73
Θ(120°)	-7.86/-7.37	-7.08/-6.86	-3.4/-3.87	-3.75/-3.04	-1.91/0.2	1.06/-0.31	-2.12/-2.35	-1.49/-2.12	-2.73/-3.04	-5.4/-4.89	-4.81/-4.63	-4.88/-5.07	-3.73/-2.22	-2.51/-3.51	-4.64/-6.06	-5.48/-2	-2.13/-3.08	-2.33/-4.71	-3.91/-2.88	-2.01/-2.75	-3.39/-4.88	-3.33/-3.06	-5.18/-7.13	-9.5/-8.27
Θ(127.5°)	-10.92/-6.52	-4.28/-3.44	-2.58/-2.27	-3.54/-3.96	-4.56/-3.73	-2.25/-0.51	-0.57/-1.66	-3.11/-2.22	-2.02/-2.99	-3.74/-4.46	-6.59/-6.29	-5.81/-5.51	-5.19/-6.34	-5.32/-5.61	-4.47/-4.21	-3.69/-0.85	-0.84/-2.93	-1.47/-2.46	-6.47/-3.82	-5.18/-5.09	-3.17/-3.03	-1.41/-1.59	-3.18/-5.52	-6.89/-4.46
Θ(135°)	-9.84/-9.22	-5.79/-4.86	-4.5/-6.9	-6.76/-3.63	-2.8/-2.07	-2.58/-2.74	-2.03/-2.26	-3.54/-3.32	-2.94/-2.46	-3.52/-5.07	-5.45/-6.59	-7.59/-5.54	-3.93/-3.39	-4.78/-3.58	-3.76/-4.37	-4.12/-2.99	-3.59/-4.35	-0.71/-1.46	-4.53/-4.49	-5.32/-4.6	-5.21/-1.26	-2.73/-3.58	-3.21/-3.68	-5.15/-8.03
Θ(142.5°)	-6.39/-5.54	-4.73/-3.89	-4.78/-5.17	-6.08/-6.71	-6.05/-6.88	-7.08/-5.06	-3.57/-3.41	-3.62/-3.76	-2.59/-2.16	-6.14/-6.18	-5.53/-3.99	-3.67/-4.6	-5.4/-3.96	-3.25/-4.75	-2.47/-1.82	-1.07/-0.21	0.95/-0.12	-2.17/-2.9	-3.96/-4.83	-5.22/-5.98	-2.77/-5.05	-4.36/-4.87	-5.67/-7.32	
Θ(150°)	-5.76/-7.14	-7.79/-7.47	-5.97/-5.78	-4.9/-4.77	-4.14/-4.8	-4.95/-5.72	-4.82/-4.51	-5.6/-5	-6.77/-8.55	-7.02/-6.59	-5.47/-5.23	-6.73/-6.94	-5.84/-4.51	-2.56/-0.95	-1.12/-2.14	-1.15/-4.97	-2.57/-1.41	-0.71/-1.06	-1.17/-1.06	-2.85/-4.5	-10.43/-11.64	-11.59/-7.3	-5.77/-4.89	-3.93/-3.94
Θ(157.5°)	-8.7/-8.61	-8.45/-7.99	-8.16/-8.32	-8.25/-8.13	-7.98/-7.31	-6.07/-5.68	-5.96/-5.98	-5.87/-6.18	-7.08/-7.1	-7.51/-7.65	-7.97/-8.53	-8.84/-8	-5.98/-3.34	-1.9/-1.79	-1.99/-2.11	-3.25/-4.82	-3.84/-2.18	-0.72/-0.21	-0.73/-1.75	-3.56/-6	-10.41/-9.96	-7.61/-6.39	-7.55/-7.7	-7.65/-7.82
Θ(165°)	-7.48/-7.81	-7.67/-7.79	-7.74/-8.06	-8.12/-8.36	-9.51/-9.01	-8.81/-8.42	-9.69/-9.65	-9.81/-9.53	-8.97/-7.98	-7.14/-6.58	-6.47/-5.61	-5.31/-4.66	-6.02/-6.3	-6.48/-6.49	-5.74/-4.45	-3.2/-2.43	-1.81/-1.72	-1.84/-3.27	-2.94/-4.21	-4.51/-5.01	-5.84/-6.74	-7.8/-8.28	-7.64/-7.62	-11.61/-12.1
Θ(172.5°)	-11.49/-11.72	-11.94/-11.18	-9.79/-9.96	-9.46/-10.38	-9.10/-11.29	-11.52/-10.76	-10.67/-9.98	-8.89/-7.97	-10.67/-6.92	-7.17/-8.45	-10.03/-11.13	-11.41/-11.45	-11.52/-10.83	-10.17/-7.92	-6.39/-4.98	-4.25/-3.8	-3.47/-3.06	-2.84/-2.72	-2.98/-4.71	-4.4/-5.02	-5.71/-6.85	-8.28/-8.81	-9.54/-10.48	-11.87/-11.82
Θ(180°)	-11.56/-10.71	-9.5/-8.5	-8.29/-8.55	-9.19/-10.16	-10.68/-10.65	-10.53/-10.09	-9.4/-9.17	-9.02/-8.97	-8.75/-8.33	-8.96/-10.01	-10.31/-9.99	-9.11/-8.51	-8.06/-7.35	-6.66/-6	-5.94/-5.82	-5.81/-5.66	-5.67/-5.39	-5.3/-5.26	-5.61/-5.97	-6.27/-6.34	-6.3/-6.79	-7.9/-9.38	-10.94/-11.99	-11.47/-11.82
Freq(Hz)	6.695G/Pol.	ThetaL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DG(dB)	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	-6.96/-8.62	-10.59/-12.31	-10.51/-9.21	-8.28/-7.14	-5.85/-4.66	-3.59/-2.56	-2.15/-1.62	-1.2/-1.2	-1.11/-1.25	-1.5/-1.9	-2.28/-3.03	-4.1/-5.63	-7.73/-10.14	-11.71/-12.12	-10.72/-9.24	-7.55/-5.91	-4.78/-3.76	-2.91/-2.11	-1.51/-0.91	-0.72/-0.52	-0.71/-1	-1.48/-1.75	-2.44/-3.29	-4.71/-5.8
Θ(7.5°)	-8.16/-9.09	-9.29/-8.78	-7.03/-6.44	-5.23/-4.36	-3.76/-3.34	-2.91/-2.66	-2.29/-1.94	-1.68/-1.16	-0.8/-0.72	-0.73/-1.04	-1.3/-1.88	-2.75/-3.93	-5.81/-7.68	-9.29/-9.77	-9.11/-7.57	-6.42/-5.25	-4.51/-3.84	-3.35/-2.83	-2.35/-1.95	-1.74/-1.45	-1.62/-1.19	-2.88/-3.04	-3.71/-5.28	-6.74/-7.84
Θ(15°)	-5.05/-5.48	-6.12/-7.87	-7.8/-6.39	-5/-4.7	-3.45/-3.58	-4.34/-3.16	-3.12/-8.6	-2.64/-2.19	-1.93/-1.85	-2.16/-2.61	-3.3/-3.21	-3.23/-3.5	-4.47/-4.53	-4.67/-4.14	-3.6/-3.29	-3.14/-3.06	-3.13/-3.11	-2.86/-2.67	-2.35/-2.48	-3.05/-3.51	-3.53/-3.67	-4.09/-4.86	-5.77/-5.35	
Θ(22.5°)	-4.47/-4.89	-6.37/-7.55	-8.58/-8.38	-8.29/-7.47	-6.37/-5.86	-4.76/-3.26	-2.49/-2.37	-3.04/-3.74	-3.86/-3.47	-3.77/-3.06	-2.53/-2.58	-2.94/-2.76	-3.03/-2.89	-2.78/-2.62	-2.63/-2.7	-3.72/-4.83	-5.2/-4.49	-2.96/-2.18	-1.98/-2.07	-2.18/-2.74	-3.01/-2.78	-2.86/-3	-3.28/-4.12	-5.11/-5.13
Θ(30°)	-5.24/-5.23	-5.5/-5.71	-4.92/-4.85	-5.02/-4.95	-6.1/-1.75	-7.23/-7.13	-6.43/-5.52	-4.54/-4.25	-3.67/-3.45	-2.99/-2.06	-2.12/-3.07	-3.09/-2.57	-3.41/-4.88	-6.45/-6.53	-6.55/-7.77	-7.88/-7.2	-5.14/-3.57	-2.82/-2.69	-3.19/-4.08	-4.01/-3.07	-3.01/-3.75	-3.2/-3.05	-4.22/-5.66	-6.96/-5.88
Θ(37.5°)	-2.21/-1.56	-2.06/-2.55	-2.88/-2.96	-3.55/-4.63	-5.14/-5.6	-6.16/-5.95	-6.16/-5.76	-4.68/-3.87	-3.01/-2.32	-4.71/-3.74	-3.09/-3.51	-3.66/-5.43	-4.96/-6.04	-9.96/-9.76	-8.13/-5.52	-4.43/-5.4	-6.15/-							



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

Appendix B

Θ (0°)	-4.25/4.32	-5.02/5.35	-5.57/5.05	-4.63/4.88	-5.93/6.7	-7.42/7.45	-7.07/6.31	-6.06/-5.77	-5.91/6	-5.92/5.82	-5.91/6.18	-6.54/-6.94	-7.06/-6.86	-6.62/5.92	-5.31/5.23	-5.74/-6.34	-6.67/-7.08	-7.55/-6.97	-6.55/-6.04	-5.56/-5.54	-5.41/-5.29	-5.35/-5.25	-4.57/-4.16	-4.06/-4.31
Θ (7.5°)	-5.51/-5.75	-5.55/-5.38	-5.4/-5.24	-5.04/-5.17	-6.06/-6.89	-7.3/-7.07	-6.76/-6.44	-5.92/-5.87	-6.23/-6.57	-6.05/-5.34	-4.96/-4.61	-4.95/-57	-5.76/-6.35	-6.2/-5.35	-4.23/-3.4	-3/-2.92	-3.14/-3.58	-3.91/-4.01	-4.19/-4.63	-4.92/-5.19	-5.46/-5.83	-6.14/-6.66	-6.56/-5.96	-5.96/-5.97
Θ (15°)	-3.58/-3.37	-3.37/-3.17	-3.34/-3.68	-4.38/-4.64	-4.9/-4.94	-5.33/-5.13	-4.73/-4.73	-2.39/-2.09	-2.62/-3.39	-4.14/-5.06	-6.48/-6.63	-6.27/-5.94	-5.37/-4.69	-3.82/-2.86	-2.09/-1.25	-0.58/-0.38	-3.15/-3.82	-1.46/-2.23	-2.72/-3.04	-3.15/-3.46	-3.42/-3.61	-4.17/-4.46	-4.61/-4.56	-4.04/-3.27
Θ (22.5°)	-3.34/-3.57	-3.88/-4.17	-3.77/3.03	-2.53/2.22	-2.69/-4.26	-5.41/-6.3	-6.1/-5.67	-5.26/-4.64	-4/-3.79	-3.97/4.82	-5.15/-5.97	-5.81/-5.79	-4.53/-2.68	-0.78/-0.04	0.130/15	0.110/05	-0.23/0.53	-1.19/-2.57	-3.52/-3.48	-3.57/3.75	-3.53/-3.31	-3.12/-3.14	-3.03/-3.17	-3.28/-3.26
Θ (30°)	-3.75/-6.46	-5.42/-6.06	-5.11/-4.57	-5.33/-6.77	-5.71/-6.26	-6.69/-6.29	-4.96/-4.32	4.36/-4.7	-4.83/-4.96	-4.26/-3.29	-2.73/-2.85	-3.33/-6.3	-3.28/-2.21	-0.98/-0.29	1.13/1.55	1.280/74	0.370/24	0.26/-0.24	-1.22/-2.74	-3.45/-4.07	-4.09/-2.9	-2.22/-2.46	-2.79/-2.37	-1.94/-2.37
Θ (37.5°)	-1.74/-2.66	-3.64/-4.45	-5.81/-7.3	-8.06/-1.83	-6.15/-6.5	-5.66/-6.66	-6.34/-5.7	-4.62/-3.98	-4.78/-5.36	-5.62/-5.02	-5.43/-6.51	-5.38/-3.96	-0.60/-5.6	0.380/65	1.27/1.64	1.32/1.13	1.56/-1.06	-0.64/-2.51	-0.52/-3.73	-1.84/-0.29	-0.52/-1.39	-0.96/-0.42	-0.26/-0.39	-0.24/-1.14
Θ (45°)	-2.32/-4.93	-6.21/-5.45	-6.52/-8.23	-7.84/-7.91	-6.83/-5.09	-3.6/-4.24	-6.3/-4.87	-3.34/-3.08	-3.87/-5.41	-5.59/-4.57	-5.13/-5.73	-4.11/-1.77	-1.49/-1.78	-0.630/12	-0.62/-0.05	0.61/1.28	2.222	1.030/54	0.6/1.2	1.360/61	-0.43/-1.54	-1.54/-0.89	0.15/-0.13	-0.66/-1.07
Θ (52.5°)	-1.59/-3.83	-4.44/-4.04	-5/-4.3	-4.07/-3.93	-4.73/-4.55	-4.25/-3.89	-3.31/-3.66	-3.59/-4.07	-3.9/-4.51	-5.2/-2.89	-1.02/-2.97	-2.86/-2.16	-1.62/-1.21	-0.67/-0.73	-0.43/-1.56	2.432/71	2.732/71	2.692/25	2.21/1.89	1.99/1.09	-0.41/-1.47	-2.7/-2.09	-0.82/-0.45	-1.74/-1.79
Θ (60°)	-1.63/-1.77	-2.35/-2.88	-3.9/-3.29	-3.39/-3.13	-2.52/-3.18	-4.45/-4.67	-3.85/-3.04	-2.67/-2.79	-2.83/-4.42	-3.82/-3.34	-3.71/4.67	-4.45/-4.04	-2.6/-0.46	0.48/-0.45	-0.65/1.06	1.852/35	1.822/23	2.240/18	-1.48/-0.68	1.250/97	0.84/-0.1	-0.44/-0.33	0.27/-0.22	-0.84/-1.87
Θ (67.5°)	-2.62/-2.61	-3.13/-3.59	-3.49/-4.05	-3.96/-2.69	-1.94/-2.65	-2.85/-2.78	-4.57/-3.62	-4.22/-3.4	-2.09/-2.47	-2.9/-3.49	-4.39/-4.57	-4.31/-3.55	-3.34/-3.67	-1.8/-1.82	-1.49/-1.22	-0.04/1.92	1.180/83	-0.13/-3.04	-1.98/-0.68	-0.56/-1.46	-0.72/-1.28	-0.780/72	0.22/-0.66	-0.55/-1.49
Θ (75°)	-1.24/-1.84	-2.56/-3.09	-1.68/-1.74	-2.29/-3.37	-4.23/-3.54	-3.15/-3.93	-4.3/-4.63	-2.92/-4.19	-3/-2.78	-2.62/-3.1	-3.97/-3.05	-4.3/-4.37	-3.34/-1.97	-0.39/-0.09	0.38/-0.71	-2.36/-0.33	0.430/54	-1.41/-3.93	-3.46/-1.9	-1.37/-3.06	-1.43/-2.24	-2.65/-1.25	-0.46/-1.5	-0.78/-0.23
Θ (82.5°)	-2.18/-2	-2.66/-4.06	-2.59/-1.9	-2.32/-1.89	-2.31/3	-2.88/-3.38	-4.41/-4.53	-4.18/-4.69	-5.23/-4.16	-6.27/2.41	-4.42/-4.09	-3.11/-2.87	-2.52/-1.73	-2.03/-1.49	-1.32/-4.53	-0.42/-0.53	-0.5/-1.66	-0.4/-1.91	-2.2/-4.2	-2.41/-3.6	-2.16/-1.98	-0.18/-0.63		
Θ (90°)	-1.33/-0.15	-1.32/-2.31	-4.22/-3.42	-2.66/-1.31	-2.84/-3.49	-1.39/-1.47	-3.28/-3.63	-2.52/-2.75	-2.87/-3.27	-3.11/-3.76	-4.95/-4.71	-4.39/-3.87	-3.61/-0.66	-2.15/-1.04	-0.27/-3.84	-4.85/-0.59	0.560/06	-3.05/-3.27	-0.820/95	1.39/-0.2	-0.550/17	-0.43/-1.36	-1.25/-2.04	-0.87/-0.41
Θ (97.5°)	-2.6/-4.12	-4.01/-4.34	-2.61/-3.87	-3.53/-3.59	-3.18/-4.66	-4.36/-5.48	-5.78/-6.14	-3.19/-3.01	-2.54/-3.95	-4.62/-4.9	-5.8/-7.15	-5.33/-3.34	-3.19/-2.3	-1.9/-2.62	-2/-0.53	0.490/31	0.480/13	0.612/48	1.9/-0.17	0.64/-0.48	-1.32/-3.03	-3.55/-3.24	-2.45/-2.13	
Θ (105°)	-5.82/-5.56	-5.3/-4.77	-5.54/-5.16	-5.27/-4.03	-4.96/-4.1	-3.77/-3.79	-4.92/-4.12	-3.09/-4.34	-4.89/-4.14	-5.5/-5.66	-6.24/-3.73	-5.06/-4.53	-4.24/-1.78	-2.68/-2.49	-0.68/-1.6	-3.22/-1.05	0.890/15	2.362/25	1.950/28	3.1/1.13	1.9/-0.68	-2.07/-3.2	-4.82/-6.02	-4.87/-5.21
Θ (112.5°)	-4.02/-3.01	-3.85/-4.38	-5.25/-3.31	-2.22/-2.03	-1.35/-3.05	-4.9/-5.27	-4.36/-3.25	-3.3/-3.31	-4.2/-4.62	-7.3/-6.28	-6.33/-5.44	-3.83/-3.38	-4.2/-2.05	-2.81/-1.34	-0.16/-1.01	-3.48/-0.44	0.66/-0.43	0.99/1.43	1.42/3.46	2.49/-0.2	-0.1/-1.12	-1.04/-1.9	-5.29/-6.56	-3.99/-2.86
Θ (120°)	-3.64/-3.57	-4.13/-3.78	-3.35/-4.09	-3.09/-2.74	-2.35/-2.77	-4.98/-7.28	-5.73/-7.81	-8.82/-7.19	-5.21/-6.25	-6.39/-6.26	-5.99/-5.97	-4.88/-3.13	-2.91/-1.07	-3.16/-2.59	-6.46/-5.88	-2.960/58	-0.26/-1.17	-0.37/-0.13	0.03/-1.23	-0.03/-2.01	-1.3/-0.23	-1.79/-3.39	-0.08/-6.55	-5.12/-4.35
Θ (127.5°)	-7.94/-8.1	-5.66/-4.7	-3.63/-3.48	-3.09/-3.33	-4.1/-3.52	-4.25/-2.27	-7.04/-7.73	-6.9/-7.56	-7.65/-7.11	-6.75/-6.48	-6.24/-6.08	-5.62/-6.13	-4.96/-3.62	-5.95/-6.22	-6.25/-7.06	-2.53/-2.19	-2.83/-1.87	-1.430/05	-1.05/-1.22	-0.33/-2.11	-2.44/-1.38	-1.97/-3.48	-3.85/-6.67	-8.87/-7.78
Θ (135°)	-4.32/-5.35	-4.94/-4.33	-3.03/-2.87	-3.87/-6.11	-5.58/-4.9	-5.23/-6.52	-6.86/-5.77	-7.47/-5.97	-8.26/-7.04	-6.39/-7.61	-10.23/-8.03	-7.52/-10.12	-10.31/-8.83	-7.5/-4.79	-2.73/-0.69	-0.68/-1.77	-3.99/-2.54	-2.37/-1.76	-2.9/-8.08	-1.97/-0.34	-1.13/-0.29	-0.68/-2.26	-1.18/-1.38	-2.61/-4.35
Θ (142.5°)	-3.69/-5.43	-7.15/-5.63	-6.31/-5.77	-6.24/-4.68	-4.1/-4.2	-5.01/-7.09	-10.56/-12.19	-8.8/-7.73	-9.1/-9.51	-8.14/-7.58	-8.35/-9.03	-8.5/-7.69	-8.85/-8.15	-5.27/-1.49	-2.1/-0.97	-0.26/-1.32	-3.72/-1.72	-1.98/-1.57	-2.67/-6.66	-4.69/-2.16	-2.07/-2.01	-1.95/-2.12	-0.60/-0.4	-1.1/-3.02
Θ (150°)	-7.6/-6.38	-6.26/-7.59	-7.86/-7.99	-8.18/-7.06	-5.3/-5.14	-5.54/-6.62	-9/-10.3	-9.52/-7.32	-7.01/-8.21	-9.07/-9.1	-9.57/-10.7	-10.41/-9.18	-6.97/-5.91	-4.72/-3.1	-2.04/-1.69	-1.58/-2.14	-2.23/-2.3	-1.87/-0.1	-0.02/-2.78	-6.17/-2.29	-1.25/-2.32	-4.59/-6.1	-5.97/-5.18	-4.8/-5.83
Θ (157.5°)	-11.94/-11.1	-11.46/-10.5	-8.79/-8.38	-6.71/-6.06	-6.2/-7.14	-8.3/-9.48	-10.12/-9.62	-8.46/-7.17	-7.43/-7.73	-8.15/-9.63	-10.34/-9.09	-7.4/-6.94	-4.15/-2.02	-1.14/-1.11	-1.35/-1.69	-1.71/-1.43	-1.1/-1.19	-0.550/01	-0.11/-2.12	-5.51/-7.03	-6.26/-5.25	-4.92/-5.63	-6.83/-8.17	-10.18/-11.52
Θ (165°)	-3.85/-7.44	-5.93/-5.51	-6.51/-7.27	-7.72/-7.88	-9.03/-9.56	-9.25/-9.3	-9.71/-10.89	-10.74/-10.44	-10.11/-9.89	-10.66/-9.64	-9.59/-8.9	-7.89/-9.67	-5.89/-5.5	-5.32/-5.38	-5.64/-5.89	-5.5/-4.78	-3.71/-2.8	-1.84/-1.15	-1.08/-1.97	-3.33/-4.99	-6.56/-7.49	-8.02/-9.02	-9.27/-8.31	-8.16/-8.66
Θ (172.5°)	-6.95/-7.17	-7.75/-7.5	-7.16/-6.96	-6.98/-6.98	-6.69/-7	-7.8/-8.93	-8.77/-8.47	-7.96/-7.16	-6.11/-4.75	-5.6/-6.2	-7.3/-8.03	-8.26/-7.51	-6.96/-6.26	-5.8/-5.24	-4.44/-4.21	-4.34/-4.7	-5/-4.98	-4.52/-3.89	-3.37/-3.28	-3.34/-3.66	-4.51/-5.55	-6.6/-7.31	-7.76/-7.54	-7.32/-7.1
Θ (180°)	-11.94/-11.79	-11.52/-10.38	-8.92/-8.47	-7.97/-8.2	-6.77/-7.7	-7.4/-6.58	-5.96/-6.18	-6.26/-6.02	-5.46/-5.3	-5.59/-6.64	-7.98/-8.3	-8.3/-8.28	-6.81/-8.97	-9.57/-9.46	-8.64/-8.23	-7.01/-6.34	-5.75/-5.19	-4.51/-4.14	-3.91/-4.05	-4.04/-4.22	-4.85/-6.92	-5.8/-6.92	-8.34/-9.81	-11.21/-12.89
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°)	-8.03/-6.47	-5.58/-4.94	-4.15/-4.33	-4.41/-4.72	-5.15/-5.35	-5.57/-5.54	-5.5/-5.53	-5.97/-5.85	-5.58/-5.85	-5.84/-5.9	-6.17/-6.64	-7.26/-7.4	-7.11/-7.15	-6.76/-5.91	-5.77/-5.42	-5.18/-5.25	-5.52/-5.56	-5.62/-5.58	-5.77/-5.84	-5.95/-5.62	-5.19/-4.82	-5.06/-5.73	-6.91/-7.99	-8.14/-8.2
Θ (7.5°)	-10.35/-8.43	-7.63/-6.25	-5.79/-4.51	-6.4/-4.7	-4.66/-4.66	-4.89/-5.06	-4.8/-4.9	-5.15/-503	-5.02/-5.2	-5.68/-5.92	-6.35/-6.91	-7.16/-6.89	-6.34/-5.44	-4.97/-4.47	-4.25/-4.03	-4.17/-1.48	-4.48/-2.59	-6.11/-6.93	-7.14/-7.12	-6.15/-5.09	-4.33/-4.03	-3.99/-4.01	-4.77/-6.83	-9.21/-9.53
Θ (15°)	-10.17/-10.28	-8.79/-8.44	-6.68/-5.68	-5.54/-4.86	-4.37/-3.93	-3.72/-3.67	-3.84/-3.38	-4.96/-5.13	-4.61/-3.7	-3.28/-3.58	-4.22/-5.33	-6.09/-5.68	-4.75/-3.77	-3.34/-3.25	-3.47/-3.9	-4.4/-4.91	-5.4/-5.69	-6.45/-7.09	-6.74/-6.78	-5.9/-4.24	-3.44/-2.99	-2.87/-2.67	-3.36/-4.9	-8.95/-10.14
Θ (22.5°)	-7.81/-6.86	-6.24/-6.13	-6.01/-5.44	-4.43/-3.24	-2.1/-1.53	-1.31/-1.53	-2.05/-2.06	-2.28/-2.88	-3.12/-4.22	-2.29/-2.82	-4.11/-5.49	-6.36/-6.06	-4.94/-4.09	-3.54/-2.89	-2.6/-2.96	-3.36/-3.83	-4.45/-6.24	-8.38/-8.28	-8.43/-8.38	-7.72/-5.57	-4.81/-4.47	-4.4/-2.2	-5.28/-7.48	-8.15/-8.46
Θ (30°)	-4.23/-3.05	-2.54/-2.8	-3.14/-3.24	-2.49/-1.65	-1.74/-2.04	-2.43/-2.92	-3.06/-2.48	-1.8/-2.23	-3.81/-5.06	-5.48/-5.09	-4.16/-3.98	-5.07/-5.51	-5.51/-4.33	-3.57/-1.43	-4.68/-5.97	-6.57/-5.38	-4.6/-5.24	-5.9/-6.01	-6.93/-7.72	-6.28/-6.36	-6.95/-5.73	-4.5/-5.42	-7.29/-8.49	-7.37/-5.09
Θ (37.5°)	-3.85/-2.09	-2.34/-2.66	-2.39/-1.52	-1.19/-2.46	-3.33/-3.57	-3.82/-4.11	-3.88/-3.26	-2.54/-2.5	-2.94/-3.22	-1.17/-1.59	-2.52/-2.84	-3.55/-4.12	-4.73/-8.06	-8.13/-7.05	-5.72/-4.38	-5.47/-6.04	-6.12/-9.23	-7.22/-5.4	-5.66/-5.94	-6/-5.38	-4.49/-4.47	-7.06/-6.39	-4.43/-4.49	
Θ (45°)	-2.23/-0.83	-0.96/-1.63	-1.15/-0.36	-0.4/-1.11	-1.39/-1.29	-1.49/-1.53	-1.62/-1.35	-1.46/-1.3	-1.56/-2.23	-1.36/-0.68	-1.42/-1.34	-1.27/-2.08	-2.96/-4.39	-1.26/-4.54	-7.15/-7.53	-5.34/-0.1	-3.22/-3.66	-7.18/-6.89	-5.14/-5.39	-4.73/-3.7	-3.92/-6.5	-5.4/-3.81	-3.4/-2.96	
Θ (52.5°)	-0.710/5.1	0.880/5.1	0.44/-0.82	-1.11/-1.27	-1.3/-0.95	-0.3/-0.33	-0.81/-1.73	-0.88/-0.18	-0.94/-0.99	-0.99/-1.01	-2.39/-3.93	-3.47/-3.65	-3.9/-2.87	-1.53/-1.27	-4.29/-4.53	-4.14/-3.58	-3.5/-0.53	-11.24/-6.01	-4.09/-4.19	-2.97/-3.25	-2.27/-2.39	-2.62/-4.36	-3.1/-2.47	-0.86/-0.62
Θ (60°)	1.15/-1.48	0.67/1.51	0.7/-0.4	-0.87/-2.08	-2.41/-1.03	-0.6/-0.69	-1.65/-2.65	-2.73/-2.72	-1.83/-0.7	-0.32/-0.85	-1.82/-3.8	-4.11/-3.29	-3.24/-4.3	-5.32/-5.51	-6.11/-4.37	-3.01/-3.48	-5.96/-11.87	-6.54/-3.54	-2.97/-5.					



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

Appendix B

Θ(52.5°)	-0.08/-0.68	-2.11/-2.64	-2.04/-2.69	-3.07/-2.67	-1.73/-1.49	-3.26/-4.41	-3.54/-3.26	-2.32/-0.85	-1.14/-56	-6.44/-5.63	-4.47/-4.37	-3.77/-2.52	-2.88/-2.86	-2.31/-1.78	-2.54/-3.92	-1.90/-12	1.46/2.52	2.41/2.06	3.54/4.43	3.82/14	0.34/-0.11	-0.35/0.73	1.42/0.88	0.61/0.44
Θ(60°)	-0.96/-1.29	-2.82/-3.94	-1.95/-2.69	-1.58/-3.03	-3.54/-2.68	-3.12/-3.05	-1.19/-0.64	-1.41/-1.9	-3.07/-3.33	-5.02/-5.66	-5.67/-5.88	-4/-1.46	-4/-4.88	-3.12/-2.05	-2.08/-0.95	1.01/2.26	3.52/3.82	3.58/2.52	1.98/2.44	1.69/-0.68	-0.49/-0.7	-0.63/-0.01	-0.06/-0.07	-1.11/-0.78
Θ(67.5°)	-0.31/-0.86	-1.95/-2.58	-3.77/-3.78	-3.97/-2.98	-2.67/-2.27	-1.51/-2.49	-2.65/-2.65	-1.58/-2.94	-4.23/-5.12	-4.49/-4.48	-4.06/-3.09	-3.15/-4.04	-2.82/-4.56	-1.78/-2.67	-1.86/-2.67	-2.62/-1.5	0.86/1.49	2.93/1.93	0.87/0.6	-1.37/-2.05	-1.31/-0.96	0.53/0.95	0.69/0.91	-0.33/-0.05
Θ(75°)	-0.48/-0.55	-1.88/-1.77	-1.23/-1.53	-2.27/-3.17	-2.85/-1.25	-2.46/-3.39	-3.63/-3.13	-2.07/-2.2	-0.96/-2.5	-2.31/-2.58	-3.57/-1.58	-1.86/-2.72	-4.77/-5.79	-3.93/-4.09	-3.7/-3.07	-3.78/-0.83	0.58/1.29	1.24/-2.33	0.77/-0.74	-4.39/-2.86	-2.99/-3.14	-1.45/-0.28	0.5/-0.27	-1.05/-0.81
Θ(82.5°)	-1.61/-2.03	-1.25/-1.95	-2.36/-0.92	-1.06/-1.63	-2.02/-1.65	-3.07/-3.92	-4.86/-5.72	-5/-1.58	-0.54/-2.73	-2.89/-4.28	-4.47/-4.97	-5.62/-5.04	-5.13/-6.4	-2.64/-1.84	0.08/-3.06	-5.84/-3.35	-2.31/-0.7	-0.83/-4.38	-0.3/-0.85	0.13/-2.23	-2.32/-2.63	4.44/-2.12	-1.52/-1.84	-2.1/-2.09
Θ(90°)	-2.4/-3.09	-4.54/-3.79	-2.94/-2.51	-2.38/-2.02	-1.22/-1.51	-2.23/-2.72	-2.15/-5.58	-6.47/-4.03	-3.29/-4.53	-2.43/-4.98	-4.01/-4.36	-3.68/-3.98	-4.21/-3.01	-1.35/-2.86	-1.89/0.76	-0.18/0.95	0.11/-1.77	-0.77/1.35	-1.53/-1.66	-0.38/-1.56	-3.71/-2.23	-3.4/-3.86	-1.92/-1.92	
Θ(97.5°)	-2.99/-2.5	-3.4/-4.1	-4.78/-2.5	-2.22/-2.01	-1.1/-1.28	-3.54/-3.68	-2.83/-4.58	-5.77/-6.17	-2.59/-6	-6.52/-5.81	-4.34/-5.66	-6.06/-5.03	-5.36/-3.13	-2.55/-1.34	-1.44/-1.57	-0.88/0.29	0.17/-0.89	-0.23/-2.41	-0.13/0.19	0.94/0.05	0.66/0.26	-0.81/-4.64	-5.06/-2.99	-2.32/-1.64
Θ(105°)	-3.54/-5.02	-6.64/-3.2	-1.63/-1.75	-2.59/-1.8	-1.31/-1.47	-4.85/-6.84	-6.33/-8.05	-7.08/-3.98	-4.34/-5.83	-6.7/-5.89	-6.15/-6.13	-4.33/-3.72	-5.13/-4.69	-2.45/-1.95	0.56/0.15	-1.62/-0.6	2.11/0.3	3.39/1.21	0.84/2.01	1.59/0	0.74/0.18	0.19/-4.04	-4.33/-2.43	-1.37/-2.55
Θ(112.5°)	-4.76/-5.53	-4.55/-3.72	-2.81/-2.71	-1.48/-2.96	-3.51/-1.96	-4.13/-6.2	-6.23/-7.75	-7.22/-6.28	-8.01/-4.01	-6.12/-7.14	-5.71/-4.45	-5.03/-4.05	-3.92/-3.59	-2.21/-3.44	-0.13/-1.5	-6.14/-2.8	1.56/1.64	2.89/0.78	2.04/2.35	1.34/-1.56	1.13/-1.63	-0.68/-3.08	-5.04/-4.68	-2.64/-5.17
Θ(120°)	-5.42/-3.77	-4.58/-3.41	-2.51/-1.4	-1.89/-2.17	-2.93/-3.22	-1.81/-4.89	-5.61/-6.93	-7.33/-8.75	-6.94/-7.35	-9.97/-9.61	-9.11/-7.11	-6.58/-5.98	-4.85/-1.72	-2.39/-2.99	-4.1/-4.86	-5.48/-0.35	-0.53/0.52	0.84/0.91	1.58/2.23	1.77/1.42	1.56/0.07	-0.06/-2.12	-2.21/-3.34	-4.71/-4.9
Θ(127.5°)	-5.57/-5.17	-4.72/-4.45	-4.57/-2.87	-2.31/-2.03	-2.53/-3.37	-5.88/-4.23	-3.44/-5.72	-6.8/-5.92	-5.35/-6.05	-7.35/-9.41	-9.53/-8.64	-7.02/-9.32	-10.72/-7.15	-7.16/-6.66	-6.17/-5.57	-0.27/-0.55	-0.02/-0.68	1.31/1.21	-2.27/0.63	0.68/0.12	1.81/54	-0.14/0.36	-0.43/-2.5	-5.12/-4.68
Θ(135°)	-8.62/-6.18	-5.02/-4.29	-4.34/-6.6	-5.99/-3.71	-3.99/-3.56	-4.27/-3.88	-3.47/-4.24	-8.17/-6.11	-5.04/-5.38	-8.66/-10.82	-8.49/-8.46	-8.51/-11.53	-9.89/-7.6	-9.75/-7.68	-5/-4.24	-0.68/0.46	-1.11/-1.33	-0.24/1.6	0.72/-2.18	-0.92/-0.36	-2.11/-0.74	0.71/-0.26	-1.69/-4.81	
Θ(142.5°)	-5.38/-4.79	-5.33/-6.31	-7.55/-6.23	-5.06/-4.35	-3.82/-4.76	-6.62/-5.9	-4.63/-4.08	-4.99/-6.96	-6.39/-6.36	-7.02/-9.52	-11.31/-11.57	-11.16/-10.22	-9.05/-7.67	-6.85/-5.16	-2.78/-0.79	0.71/0.8	-1.09/-0.11	0.74/1.54	0.27/-1.52	-1.59/-1.39	-3.07/-3.18	-3.74/-5.3	-1.3/-0.07	-1.93/-5.42
Θ(150°)	-6.91/-6.13	-6.15/-5.97	-5.68/-6.16	-5.64/-4.66	-4.97/-5.95	-6.63/-7.6	-7.57/-7.58	-7.26/-7.13	-6.69/-6.12	-5.41/-5.53	-5.61/-5.88	-3.97/-3.49	-2.61/-1.08	0.2/0.58	0.22/-0.89	-1.09/-0.64	0.57/1.39	1.0/38	-1.28/-3.27	-5.1/-4.82	-5.23/-3.72	-2.77/-3.17	-3.92/-5.87	
Θ(157.5°)	-8.33/-7.79	-7.73/-7.99	-7.85/-7.08	-7.37/-8.71	-9.99/-9.49	-6.42/-4.98	-5.18/-6.31	-7.38/-8.26	-8.48/-8.42	-7.94/-6.05	-4.97/-4.76	-5.23/-5.1	-3.88/-2.91	-2.37/-3.04	-3.53/-3.05	-3.3/-3.39	-2.66/-2.25	-0.80/89	1.32/0.84	-0.3/-1.73	-3.81/-4.09	-3.95/-3.74	-4.06/-5.46	-7.64/-8.21
Θ(165°)	-7.17/-7.48	-7.54/-7.77	-7.64/-6.32	-5.79/-6.6	-7.46/-7.61	-8.17/-9.37	-10.8/-12.16	-11.79/-11.92	-12.05/-11.1	-10.19/-9.82	-10/-9.56	-8.62/-7.69	-6.28/-5.14	-4.47/-3.68	-2.41/-1.07	-0.09/0.13	0.02/-0	0.08/0.13	0.07/-0.21	-0.83/-2.27	-4.25/-6.39	-7.9/-7.78	-7.61/-7.45	-6.72/-6.46
Θ(172.5°)	-7.1/-3.74	-7.74/-7.01	-5.87/-5.24	-5.8/-7.11	-8.52/-10.24	-10.24/-9.14	-8.75/-8.22	-7.72/-6.98	-5.99/-6.68	-5.66/-6.21	-7.75/-4.14	-10.57/-10.47	-11.02/-10.13	-7.82/-5.66	-4.23/-3.1	-2.81/-2.7	-2.44/-1.92	-1.45/-1.42	-1.63/-1.92	-2.6/-3.08	-4.02/-5.22	-6.72/-7.22	-7.05/-7.38	-7.63/-7.95
Θ(180°)	-6.3/-5.61	-4.22/-3.31	-2.89/-3.1	-3.24/-3.67	-4.26/-4.89	-5.38/-5.44	-5.51/-5.78	-6.02/-6.11	-6.24/-6.18	-7.01/-7.69	-8.11/-8.36	-8.63/-7.83	-7.18/-7.32	-6.84/-6.01	-5.18/-4.26	-4.12/-4.14	-4.08/-4.12	-4.19/-4.57	-4.44/-4.93	-5.19/-5.43	-5.67/-6.39	-6.79/-8.03	-8.1/-7.69	-7.38/-7.05
Freq(Hz)	6.695GPol.	ThetaL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DG(dB)	Φ(0°)Φ(7.5°)	Φ(15°)Φ(22.5°)	Φ(30°)Φ(37.5°)	Φ(45°)Φ(52.5°)	Φ(60°)Φ(67.5°)	Φ(75°)Φ(82.5°)	Φ(90°)Φ(97.5°)	Φ(105°)Φ(112.5°)	Φ(120°)Φ(127.5°)	Φ(135°)Φ(142.5°)	Φ(150°)Φ(157.5°)	Φ(165°)Φ(172.5°)	Φ(180°)Φ(187.5°)	Φ(195°)Φ(202.5°)	Φ(210°)Φ(217.5°)	Φ(225°)Φ(232.5°)	Φ(240°)Φ(247.5°)	Φ(255°)Φ(262.5°)	Φ(270°)Φ(277.5°)	Φ(285°)Φ(292.5°)	Φ(300°)Φ(307.5°)	Φ(315°)Φ(322.5°)	Φ(330°)Φ(337.5°)	Φ(345°)Φ(352.5°)
Θ(0°)	-10.22/-8.92	-8.22/-8.79	-8.73/-6.13	-10.42/-9.77	-7.54/-9.4	-8.53/-7.65	-6.99/-6.67	-5.08/-5.68	-5.99/-6.93	-7.92/-8.11	-8.36/-8.51	-8.77/-8.93	-9.67/-9.99	-10.02/-9.59	-8.82/-8.55	-8.41/-7.75	-7.48/-6.83	-5.93/-5.88	-6.92/-6.28	-6.53/-6.78	-7.03/-6.44	-6.53/-6.78	-6.08/-6.72	
Θ(7.5°)	-8.35/-7.85	-8.14/-8.46	-6.15/-5.44	-5.46/-5.45	-5.93/-6.31	-7.19/-8.63	-8.38/-7.52	-6.77/-6	-5.18/-4.83	-4.82/-5.08	-5.48/-6.22	-6.68/-7.3	-7.87/-8.4	-8.14/-7.8	-7.84/-7.3	-7.37/-7.36	-7.94/-8.41	-8.97/-9.53	-9.15/-7.83	-6.75/-5.82	-5.62/-6.54	-6.96/-5.93	-5.98/-7.36	-8.22/-9.31
Θ(15°)	-4.31/-4.02	-4.11/-4.38	-4.42/-4.12	-3.27/-3.8	-4.01/-4.72	-5.84/-7.42	-9.8/-7.1	-8.61/-7.82	-6.38/-5.7	-5.47/-6.12	-7.35/-7.65	-8.16/-8.29	-9.01/-9.75	-6.01/-4.38	-3.63/-2.98	-2.76/-3	-4/-5.29	-6.69/-7.64	-7.33/-7.15	-7.15/-5.98	-5.47/-4.91	-3.64/-2.7	-2.84/-3.5	-4.3/-5.02
Θ(22.5°)	-3.78/-3.03	-2.71/-3.15	-4.39/-4.55	-4.97/-4.65	-5.08/-5.34	-5.53/-5.03	-4.77/-4.71	-5.68/-7.2	-8.85/-8.34	-8.46/-6.67	-4.54/-4.06	-4.22/-3.92	-4.26/-4.21	-3.97/-3.71	-3.81/-4.66	-5.29/-5.84	-6.45/-5.64	-4.76/-4.98	-5.15/-5.49	-5.68/-5.88	-6.09/-5.56	-3.72/-2.68	-2.28/-3.16	-4.85/-5.05
Θ(30°)	-4.63/-4.06	-3.65/-2.91	-1.79/-1.7	-2.32/-2.83	-3.96/-4.74	-5.54/-6.24	-6.53/-6.28	-5.75/-5.42	-5.47/-4.76	-3.52/-1.67	-1.22/-2.59	-3.26/-2.98	-3.66/-4.65	-6.22/-6.84	-6.13/-8.72	-9.02/-7.97	-6.26/-5.39	-5.78/-6.49	-6.97/-7.22	-7.28/-7.27	-7.25/-6.82	-4.73/-3.87	-4.12/-5.57	-5.73/-5.8
Θ(37.5°)	-3.41/-1.47	-0.77/-1.19	-1.38/-1.26	-1.52/-1.88	-1.91/-2.95	-4.5/-1.9	-5.07/-4.83	-4.9/-4.18	-3.51/-2.33	-1.93/-1.81	-3.66/-4.9	-6.56/-8.59	-8.9/-9.11	-8.89/-7.06	-7.16/-6.22	-8.82/-9.47	-7.66/-6.66	-5.45/-4.74	-6.62/-6.33	-7.78/-7.53	-4.29/-6.03	-8.4/-8.27	-5.71/-6.06	-3.9/-3.41
Θ(45°)	-2.23/-1.87	-1.87/-0.98	-1.1/-1.29	-1.95/-1.45	-1.85/-2.51	-2.66/-2.48	-3.01/-2.97	-2.5/-2.18	-1.86/-1.83	-1.99/-2.97	-4.29/-5.08	-4.73/-4.68	-4.61/-4.79	-3.46/-3.37	-6.6/-5.76	-5.22/-3.03	-1.69/-3.58	-6.68/-5.37	-3.41/-4.37	-6.15/-7.23	-10.07/-8.63	-4.28/-3.44	-4.31/-3.88	
Θ(52.5°)	-2.12/-2.75	-3.22/-1.88	-1.69/-2.06	-1.67/-1.69	-1.71/-1.16	-1.46/-3.01	-1.94/-2.06	0.02/-0.6	-1.09/-0.25	-0.03/-1.02	-2.11/-4.41	-4.69/-2.71	-4.72/-4.56	-4.93/-9.34	-2.6/-5.32	-7.46/-5.91	-8.11/-6.5	-3.35/-4.67	-3.57/-4.71	-4.67/-3.13	-3.38/-4.22	-6.42/-7.49	-5.36/-2.29	-1.94/-2.24
Θ(60°)	-0.46/-0.65	-0.16/0.42	-1.58/-1.91	-1.65/-0.76	-0.48/0.09	0.58/-0.61	-0.88/-0.17	-0.84/-1.26	-1.57/-1.39	-1.31/-0.97	-1.58/-2.23	-4.02/-1.68	-1.4/-2.5	-4.25/-4.2	-3.63/-4.42	-4.3/-8.27	-7.51/-4.25	-4.72/-5.25	-7.72/-6.8	-4.71/-4.29	-3.55/-4.17	-3.01/-2.41	-2.78/-2.06	-1.89/-1.55
Θ(67.5°)	-0.26/0.29	0.97/1.23	0.35/-0.43	-2.04/-2.08	-1.29/0.16	0.29/0.01	-0.2/-0.93	-1.78/-2.36	-0.97/-1.05	-0.95/-1.27	-2.64/-3.13	-5.2/-4.9	-4.28/-5.73	-5.19/-4.92	-6.6/-8.31	-10.18/-7.18	-7.27/-7.45	-6.13/-7.65	-7.59/-7.42	-8.47/-8.9	-8/-8.9	-7.61/-6.44	-3.29/-2.86	-2.81/-1.32
Θ(75°)	-2/-1.95	-0.74/-0.82	-1.02/-0.69	-2.8/-2.57	-2.48/-0.71	-0.32/-0.39	-1.03/-1.55	-1.77/-1.17	-0.43/0.2	0.14/-1.42	-4.14/-98	-5.31/-5.81	-5.47/-6.29	-7.89/-5.8	-4.12/-4.82	-7.78/-7.77	-9.28/-11.24	-11.39/-10.91	-9.71/-10.87	-8.68/-5.62	-4.65/-5.45	-4.91/-4.55	-5.11/-4.92	-4.07/-2.74
Θ(82.5°)	-0.54/-0.02	-0.26/-0.46	-0.04/0.57	-1.69/0.06	-0.35/-0.73	-0.66/-0.26	-0.55/-0.52	-1.24/-0.65	-0.05/-0.15	-0.93/-1.32	-2.42/-2.71	-3.81/-3.55	-5.35/-5.11	-4.18/-7.09	-6.06/-9.37	-8.87/-7.26	-7.64/-7.74	-5.02/-1.15	-6.72/-8.35	-8.99/-5.96	-6.23/-6.75	-7.08/-5.9	-4.01/-3.12	-0.85/-1.28
Θ(90°)	-1.23/-2.7	-1.9/-3.98	-2.84/-2.22	-2.77/-3.01	-3.19/-2.82	-1.5/-1.26	-0.64/-0.27	-1.09/-1.68	-0.55/-1.29	-1.15/-0.15	-1.02/-3.16	-2.43/-3.71	-3.71/-6.28	-8.12/-6.61	-5.9/-6.49	-9.53/-8.12	-4.36/-11.69	-10.13/-6.8	-3.59/-4.74	-2.9/-2.7	-2.78/-1.49	-3.16/-3.94	-2.77/-1.74	
Θ(97.5°)	-3.43/-4.23	-3.59/-2.8	-1.67/-1.67	-2.42/-2.16	-2.92/-3.18	-2.18/-1.76	-0.78/-0.25	-1.75/-1.71	-1.03/-0.85	-0.78/-0.95	-0.89/-2.32	-3.99/-5.47	-4.78/-4.74	-5.44/-6.17	-7.05/-6.01	-4.5/-8.46	-4.22/-5.93	-1.93/-1.12	-10.45/-9.89	-2.89/-3.56	-4.07/-1.67	-7.34/-1.98	-2.91/-4.33	-2.88/-3.78
Θ(105°)	-2.33/-2.97	-1.72/-2.3	-1.25/-0.63	-1.6/-1.36	-0.58/-2.8	-4.31/-2.92	-0.93/0.32	-0.34/-2.83	-2.74/-1.98	-1.33/-2.13	-2.48/-2.81	-3.01/-3.29	-4.48/-4.86	-7.23/-6.78	-5.56/-4.56	-6.3/-8.65	-7.35/-6.97	-3.6/-2.95	-10.25/-8.41	-2.58/-4.55	-4.2/-4.03	-3.28/-3.77	-3.38/-4.76	-2.55/-2.73
Θ(112.5°)	-2.76/-2.65	-1.8/-0.91	-0.97/-2.48	-0.36/-2.52	-2/-3.99	-3.8/-2.1	-0.78/-0.45	-1.29/-3.38	-3.28/-2.25	-2.82/-4.11	-4.1/-1.29	-2.68/-3.59	-4.44/-6.07	-6.54/-5.37	-4.85/-5.31									



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

Appendix B

Θ(75°)	-0.9/-0.36	-0.54/-0.06	1.21/1.28	0.580/33	-0.16/0.16	0.380/19	0.35/-0.06	-0.36/-0.88	-0.130/36	-0.18/-1.67	-3.56/-3.84	-3.58/-3.28	-2.73/-2.36	-2.71/-3.2	-3.51/-3.68	-7.67/-6.37	-3.6/-3.55	-5.35/-3.93	-4.44/-4.97	-4.71/-3.7	-3.14/-73	-4.79/-2.7	-1.16/-1.92	-1.3/-0.73
Θ(82.5°)	-1.88/-1.25	-1.42/-1.3	-0.350/1.4	0.10/25	0.26/0.9	1.43/-1.43	1.35/-1.6	0.64/0.7	0.6/8.5	0.2/-1.03	-2.24/-2.97	-2.83/-3.27	-3.16/-2.94	-3.93/-4.85	-4.76/-6.47	-4.5/-4.5	-5.05/-5.7	-4.7/-2.7	-2.63/-3.83	-3.14/-3.57	-3.11/-3.48	-4.38/-3.55	-2.99/-1.83	-1.1/-1.9
Θ(90°)	-1.09/-0.45	-0.98/-1.45	-1.49/-0.11	0.77/1.07	0.52/0.96	1.69/-1.74	1.090/93	1.17/1.44	1.66/1.19	0.49/-0.32	-2.32/-3.31	-4.37/-3.87	-3.43/-1.56	-3.2/-3.55	-3.11/-5.77	-4.72/-3.19	-4.56/-5.48	-6.07/-3.65	-2.89/-2.03	-2.38/-2.97	-3.07/-2.89	-3.09/-3.86	-2.34/-1.96	
Θ(97.5°)	-3.67/-3.68	-3.04/-1.83	-0.15/-0.75	-1.43/-0.48	-1.08/-1.14	-0.5/-0.08	0.26/0.6	1.47/1.77	2.02/1.14	-0.4/-1.48	-3.66/-6.36	-7/-5.27	-4.55/-4.32	-6.89/-6.17	-7.74/-7.15	-3.09/-3.93	-4.94/-4.86	-2.62/-1.37	-0.63/-1.6	-3.36/-1.6	-1.02/-1.73	-3.2/-4.25	-2.94/-3.38	-4.01/-0.42
Θ(105°)	-4.4/-3.48	-4.01/-3.5	-3.31/-1.62	-1.6/-0.54	-0.75/-0.65	0.02/0.19	0.62/1.34	1.29/-0.22	-0.87/-1.38	-3.03/-4.49	-5.75/-4.32	-3.98/-5.55	-4.61/-4.26	-4.88/-6.8	-7.05/-6.33	-5.03/-6.09	-5.37/-4.24	-1.1/-1.75	-1.87/-2.06	-1.47/-1.28	-1.98/-2.75	-3.13/-4.01	-6.37/-5.66	-5.59/-6.69
Θ(112.5°)	-2.54/-1.14	-1.31/-1.14	-1.94/-0.61	-1.90/69	1.37/0.45	-0.25/0.14	0.55/0.84	1.23/-2.1	-0.05/-1.73	-3.55/-3.56	-3.91/-3.92	-2.44/-3.64	-4.46/-4.75	-5.38/-7.19	-7.51/-4.95	-4.67/-4.28	-4.33/-5.15	-2.57/-1.44	-2.29/-1.96	-2.06/-1.48	-0.99/-1.73	-2.91/-2.49	-1.31/-4.52	-2.81/-2.93
Θ(120°)	-3.38/-1.85	-1.99/-0.98	-0.2/0.3	1.18/1.66	2.08/1.47	0.06/-1.34	-0.78/-1.41	-2.02/-1.1	-0.67/-1.29	-1.54/-2.92	-4.29/-5.52	-5.82/-5.38	-5.25/-3.95	-5.79/-9.64	-11.93/-5.61	-4.28/-2.71	-6.01/-2.47	-2.94/-3.74	-5.34/-4.84	-4.73/-1.81	-2.03/-2.03	-3.57/-4.58	-4.83/-3.88	-2.58/-3.75
Θ(127.5°)	-6.47/-4.96	-2.69/-1.22	-0.25/0.05	0.25/-0.02	-0.31/0.54	0.34/-0.46	-0.93/-1	-1.19/-1.82	-2.42/-1.84	-2.41/-3.47	-5.16/-6.37	-6.53/-6.82	-6.68/-6.49	-7.34/-8.2	-9/-9.08	-5.43/-5.62	-7.34/-7.07	-4.29/-2.37	-4.74/-4.43	-3.07/-3.36	-2.25/-2.07	-3.18/-4.17	-4.07/-5.89	-7.22/-7.2
Θ(135°)	-3.24/-3.33	-2.3/-1.77	-1.94/-1.89	-2.3/-3.05	-2.37/-1.87	-1.32/-0.94	-0.99/-0.64	-1.38/-3.55	-5.19/-4.6	-4.86/-6.86	-7.8/-6	-6.49/-8.01	-8.6/-7.17	-7.97/-8.55	-7.48/-6.19	-6.97/-7.74	-9.99/-7.22	-4.5/-3.2	-4.53/-2.05	-1.88/-1.29	-1.6/-3.17	-2.4/-2.16	-2.43/-3.47	
Θ(142.5°)	-2.38/-3.62	4.99/-3.94	-4.1/-4.46	-3.68/-3.17	-3.78/-3.83	-3.33/-3.49	-4.55/-5.46	-5.38/-6.1	-8.12/-8.52	-8.08/-7.41	-7.66/-7.53	-6.52/-6.19	-7.65/-8.34	-7.68/-9.1	-7.21/-5.39	-4.21/-5.02	-7.59/-4.09	-3.2/-2.54	-4.42/-6.88	-5.58/-3.39	-3.42/-3.69	-3.92/-4.22	-2.97/-1.37	-0.88/-1.94
Θ(150°)	-6.42/-5.69	-6.12/-7.97	-7.95/-7.16	-6.05/-5.34	-5.06/-5.22	-5.09/-5.29	-6.02/-6.23	-6.06/-5.6	-6.76/-9.32	-11.41/-10.56	-11.14/-12.35	-12.05/-11.32	-9.37/-9.09	-8.04/-6.39	-5.57/-6.26	-6.91/-7.14	-5.39/-5.99	-2.36/-1.21	-1.83/-3.96	-6.34/-5.33	-5.48/-6.26	-7.08/-7.42	-6.04/-5.28	-4.14/-4.58
Θ(157.5°)	-7.92/-7.64	-7.51/-6.99	-5.95/-5.99	-5.74/-5.65	-6.09/-6.59	-6.94/-6.97	-6/-5.1	-4.4/-4.51	-5.67/-6.43	-7.05/-8.31	-9.94/-9.58	-8.83/-9.14	-5.83/-3.34	-2.89/-3.37	-4.42/-4.98	-5.16/-4.53	-3.36/-3.46	-3.83/-4.51	-5.4/-8.3	-11.28/-11.1	-10.12/-8.81	-7.73/-8.85	-7.53/-6.92	-7.63/-7.98
Θ(165°)	-7.88/-7.23	-6.57/-7.03	-8.68/-9.06	-8.49/-7.61	-7.75/-7.14	-6.68/-6.84	-7.43/-8.66	-9.19/-9.41	-9.44/-9.46	-9.99/-9.91	-9.43/-8.91	-8.17/-7.2	-6.16/-5.84	-5.69/-5.79	-5.56/-5.42	-5.25/-5.17	-4.71/-4.36	-4.09/-4.04	-4.5/-5.8	-6.91/-7.84	-7.96/-7.71	-8.26/-8.86	-9.22/-7.78	-7.45/-8.22
Θ(172.5°)	-6.71/-6.88	-6.92/-6.64	-6.21/-6.05	-5.95/-5.85	-5.52/-5.72	-6.18/-6.97	-7.02/-7.15	-7.24/-7.16	-6.48/-5.6	-5.84/-5.71	-6.41/-6.75	-6.72/-6.05	-5.76/-5.44	-5.35/-5.03	-4.63/-4.69	-5.16/-5.85	-6.53/-7.1	-6.95/-6.36	-5.93/-5.91	-5.79/-5.56	-5.69/-5.8	-5.89/-5.9	-6.31/-6.44	-6.83/-6.74
Θ(180°)	-8.93/-9.65	-9.55/-9.1	-8.37/-8.17	-8.08/-8.11	-7.41/-7.66	-7.56/-6.97	-6.64/-7.04	-7.15/-6.85	-6.22/-5.9	-6.14/-7.36	-8.59/-9.1	-9.14/-9.21	-9.3/-9.88	-11.06/-11.61	-11.2/-11.08	-9.92/-9.4	-8.89/-8.38	-7.64/-7.12	-6.58/-6.38	-5.82/-5.6	-5.59/-5.5	-5.69/-6.18	-7.29/-8.49	-9.38/-9.92
Freq(Hz)	6.175GPdL	ThetaL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DG(dB)	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	-5.63/-5.02	-4.65/-4.46	-3.88/-4.51	-4.69/-5.03	-5.73/-6.41	-7.07/-6.69	-6.41/-6.23	-5.96/-5.33	-4.74/-4.64	-4.4/-4.21	-4.24/-4.6	-5.14/-5.55	-5.7/-6.1	-6.09/-5.66	-5.94/-5.99	-6.12/-6.46	-6.85/-6.93	-6.81/-6.69	-6.84/-6.5	-6.13/-5.65	-5.06/-4.27	-4.02/-4.19	-4.5/-5	-3.45/-5.63
Θ(7.5°)	-8.67/-8.34	-7.93/-7	-6.73/-5.81	-5.83/-5.9	-5.66/-5.6	-5.77/-5.75	-5.52/-5.73	-6.06/-5.84	-5.59/-5.54	-5.66/-5.49	-5.26/-5.12	-4.77/-4.62	-4.36/-3.9	-3.78/-3.81	-3.93/-4.19	-4.84/-5.3	-5.78/-6.77	-7.43/-7.83	-7.39/-6.15	-4.88/-3.95	-3.44/-3.12	-3.05/-3.52	-4.31/-5.86	-7.36/-7.89
Θ(15°)	-8.24/-7.75	-6.65/-6.35	-5.39/-4.93	-4.99/-4.6	-4.28/-3.99	-3.46/-3.34	-3.53/-4.06	-4.73/-5.21	-5.12/-4.7	-4.51/-4.44	-4.56/-5.01	-5.35/-5.14	-4.41/-3.84	-3.63/-3.73	-3.91/-3.97	-4.39/-5.07	-6.04/-6.91	-7.24/-7.87	-8.1/-6.57	-5.35/-3.88	-3.47/-3.23	-3.45/-3.76	-4.94/-6.61	-9.1/-9.21
Θ(22.5°)	-6.51/-7.64	-3.96/-3.86	-4.1/-3.85	-3.63/-2.92	-2.37/-1.9	-1.65/-1.35	-1.26/-1.63	-2.34/-3.19	-3.58/-3.49	-3.59/-4.13	-4.97/-5.33	-5.64/-5.54	-5.18/-5.28	-5.48/-5.2	-5.04/-4.86	-5.95/-5.41	-6.37/-5.2	-8.58/-9.94	-5.98/-5.38	-4.97/-5.78	-6.57/-6.49	-6.74/-7.47	-6.77/-6.33	
Θ(30°)	-3.16/-2.31	-1.81/-2.45	-3.45/-4.14	-3.21/-2.09	-1.87/-2.16	-1.89/-1.45	-1.34/-1.41	-1.71/-2.76	-4.2/-4.37	-4.26/-3.98	-3.82/-3.8	-4.77/-4.83	-4.43/-3.75	-4.31/-6.24	-7.8/-8.57	-9.07/-8.32	-7.28/-6.95	-7.21/-7.49	-7.57/-7.84	-6.24/-5.73	-6.47/-7.6	-6.81/-6.78	-7.21/-6.57	-5.19/-3.47
Θ(37.5°)	-4.51/-2.5	-2.2/-3.28	-2.9/-2.34	-1.75/-2.69	-3.36/-3.01	-2.51/-3.23	-1.97/-1.55	-1.63/-2.34	-2.88/-3.04	-2.73/-3.96	-1.71/-2.79	-1.74/-3.66	-4.73/-6.65	-7.23/-10.38	-10.01/-9.5	-7.53/-6.49	-6.3/-6.1	-7.58/-6.8	-8.61/-10	-9.07/-8.01	-6.78/-5.37	-5.67/-5.32	-4.89/-4.56	
Θ(45°)	-1.54/-0.15	-0.15/-1.21	-1.32/-1.01	-1.61/-1.65	-0.96/-0.45	-0.44/-0.84	-1.08/-1.09	-1.05/-0.98	-1.31/-3.9	-1.03/-1.17	-1.94/-3.42	-4.23/-4.19	-6.71/-6.78	-8.32/-9.8	-7.01/-6	-5.35/-5.23	-6.88/-8.26	-7.43/-9.19	-9.31/-7.19	-6.05/-4.83	-4.59/-5.31	-4.51/-2.74	-2.11/-2.08	
Θ(52.5°)	0.36/-1.45	1.73/-1.42	1.08/-0.37	-0.67/-0.46	-0.04/-0.69	1.17/1.06	0.63/-0.58	-1.16/-1.1	-1.84/-1.25	-1.12/-1.94	-2.89/-3.89	-4.67/-5.59	-6.23/-6.18	-5.59/-5.31	-7.13/-7.05	-7.47/-8.99	-8.52/-7.92	-10.25/-8.67	-8.69/-8.27	-5.42/-4.26	-2.9/-2.61	-2.85/-3.32	-2.3/-1.24	-0.47/-0.05
Θ(60°)	0.261/36	0.98/1.4	1.13/-0.24	-0.01/-0.71	-0.09/-1.26	1.49/1	-0.27/-1.67	-2.46/-2.86	-2.12/-1.63	-1.3/-0.49	-1.57/-2.78	-3.48/-4.5	-4.54/-5.46	-6.01/-7.4	-8.37/-9.04	-9.95/-8.88	-6.98/-5.46	-7.15/-19.3	-5.47/-5.99	-9.12/-6.79	-5.47/-5.99	-5.25/-4.53	-4.12/-2.99	0.33/0.1
Θ(67.5°)	-0.41/-0.08	0.46/0.94	0.33/-0.27	-0.52/-1.46	0.23/-1.95	2.19/-1.43	-0.51/-1.36	-1.91/-1.71	-0.48/-0.68	-1.23/-0.28	-0.83/-2.08	-3.82/-3.91	-4.51/-3.08	-2.89/-4.57	-6.43/-6.89	-5.74/-5.99	-7.04/-6.57	-4.89/-7.78	-9.98/-6.84	-7.48/-5.89	-4.15/-3.1	-3.69/-3.27	-2.05/-1.52	-1.58/-1.07
Θ(75°)	-2.14/-1.03	-0.190/9.1	0.66/0.51	0.04/-1.39	-0.56/0.46	0.84/-0.2	-0.6/-0.88	0.04/0.52	0.87/0.54	-0.36/-0.33	0.39/-0.12	-1.37/-2.86	-3.76/-4.27	-4.06/-4.37	-5.62/-5.8	-8.17/-8.79	-9.5/-6.84	-4.83/-8.52	-11.86/-9.7	-5.74/-4.69	-5.23/-3.67	-3.82/-2.91	-1.98/-1.99	-2.94/-1.6
Θ(82.5°)	-0.21/-1.55	-0.81/0.2	-0.16/-0.97	-3.27/-4.08	-1.55/-1.51	-0.86/0.31	-0.22/-1.07	-0.77/-0.97	-0.49/0.4	-0.43/-1.42	-1.91/-2.45	-3.61/-4.59	-4.75/-4.26	-5.44/-5.8	-8.36/-6.58	-6.58/-7.3	-2.98/-5.78	-7.99/-4	-2.14/-5.18	-4.67/-3.2	-2.85/-2.03	-1.75/-6.23	-2.69/-2.4	
Θ(90°)	-0.99/-0.14	0.69/0.02	-0.54/-1.32	-3.31/-4.32	-1.96/-0.94	-0.19/-0.4	-0.5/0.01	-1.31/-1.97	-0.6/-0.05	-1.97/-1.22	-1.14/-2.47	-3.96/-4.51	-5.75/-6.34	-8.54/-3.68	-5.66/-4.57	-7.27/-27	-2.37/-6.35	-7.16/-3.23	-2.31/-4.86	-4.36/-3.1	-3.94/-1.58	-0.46/-1.32	-1.77/-1.58	
Θ(97.5°)	-0.56/-0.85	-0.55/-0.95	-1.63/-1.96	-2.14/-2.27	-1.04/-0.35	0.43/-1.18	-1.47/-1.35	-1.16/-2.71	-1.95/-3.03	-3.47/-2.41	-2.69/-3.74	-4.5/-5.38	-7.63/-6.07	-10.23/-10.17	-6.8/-2.95	-8.01/-6.9	-4.64/-5.43	-2.24/-2.97	-4.26/-2.8	-2.27/-6.06	-6.42/-3.49	-3.58/-0.96	-1.72/-1.75	-1.25/-1.55
Θ(105°)	0.320/3.2	0.06/-0.2	-0.99/-0.73	-0.84/-0.66	0.07/-0.67	-1.48/-1.77	-0.24/0.43	0.36/-0.2	-1.17/-1.79	-2.31/-2.99	-2.86/-2.86	-3.27/-3.16	-6.08/-5.87	-8.19/-9.3	-6.16/-3.58	-5.9/-4.6	-4.66/-5.1	-2.32/-1.84	-2.73/-6.4	-4.15/-5.33	-4.81/-1.96	-6.58/-1.77	-1.93/-1.18	-0.46/-0.42
Θ(112.5°)	-1.9/-1.82	-2.61/-1.44	-0.74/-0.32	-0.9/-1.11	-0.73/-0.97	-2.35/-3.28	-1.27/-0.13	0.31/-0.13	-0.65/-1.59	-1.63/-2.31	-3.23/-2.65	-3.46/-3.71	-5.68/-6.01	-7.48/-8.6	-6.82/-5.1	-6.95/-5.73	-5.41/-7.78	-1.95/-2.26	-3.36/-6.95	-4.71/-4.57	-4.75/-7.82	-6.26/-5.09	-4.02/-3.61	-2.09/-1.72
Θ(120°)	-3.5/-1.73	-1.29/-1.26	-2.33/-1.76	-0.5/-0.28	-0.81/-1.84	-1.43/-0.24	-0.32/-0.51	-0.91/-1.41	-2.69/-3.53	-3.2/-4.04	-5.48/-5.92	-5.87/-5.74	-6.17/-3.4	-6.92/-7.42	-7.02/-4.46	-6.14/-3.05	-2.07/-1.1	0.96/-0.67	-2.1/-5.36	-4.7/-6.08	-6.45/-5.53	-4.59/-4.43	-3.89/-4.21	-4.8/-3.32
Θ(127.5°)	-5.13/-1.4	-2.07/-1.82	-1.81/-0.87	0.18/0.3	-0.08/-1.12	-0.44/0.53	0.29/0.08	-1.15/-2.65	-2.93/-2.9	-3.27/-3.31	-4.23/-4.76	-5.68/-5.12	-5.2/-4.51	-3.12/-4.92	-5.54/-6.05	-8.03/-6.12	-3.62/-4.5	-1.86/-2.26	-3.1/-8.3	-6.02/-5.39	-4.21/-5.11	-5.1/-3.85	-5.07/-5.11	-4.01/-4.16
Θ(135°)	-3.4/-2.03	-1.49/-0.9	-0.34/-0.24	-0.38/-0.53	-0.59/-1	-1.38/-0.91	0.44/0.82	-0.17/-1.36	-1.96/-1.05	-0.77/-1.29	-1.64/-2.58	-5.12/-4.69	-7.17/-5.8	-6.87/-9.08	-6.7/-6.81	-6.56/-3.95	-2.83/-4.41	-2.22/-1.88	-2.07/-6.5					



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

Appendix B

Θ(127.5°)	-5.87/-3.69	-2.61/-1.86	-1.220/-1.7	0.370/-1	-0.61/-2.18	-2.36/-0.12	0.47/-1.25	-2.4/-2.03	-1.89/-2.77	-4.13/-6.38	-8.09/-7.67	-6.84/-8.32	-9.06/-10.02	-9.46/-11.57	-10.86/-7.94	-5.55/-4.59	-3.79/-6.47	-1.24/-1.04	-9.31/-7.85	-5.1/-1.56	-0.22/-0.39	-1.15/-0.63	-1.27/-1.3	-6.06/-6.7
Θ(135°)	-5.11/-4.9	-3.5/-2.85	-2.91/-4.56	-3.75/-1.57	-1.21/-0.7	-1.1/-1.25	-1.12/-1.8	-3.95/-2.78	-2.33/-4.29	-4.49/-6.32	-7.46/-9.29	-10.45/-11.09	-8.22/-6.82	-9.68/-11.03	-8.36/-5.05	-4.26/-3.6	-6.18/-7.41	-2.57/-0.1	-3.51/-7.13	-3.64/-3.19	-2.03/-0.8	-1.92/-1.63	-0.01/-0.54	-2.5/-5.26
Θ(142.5°)	-3.3/-2.47	-2.45/-3.03	-4.32/-3.96	-4.34/-1.57	-4.52/-3.1	-5.58/-3.26	-2.1/-1.71	-2.07/-3.05	-2.74/-3.11	-4.36/-6.68	-8.13/-8.42	-3.01/-6.33	-2.19/-2.24	-6.63/-3.62	-1.29/-2.24	-2.47/-2.6	-6.81/-1.47	0.48/-1.36	-1.01/-2.46	-3.87/-2.65	-3.73/-3.08	-2.98/-5.54	-2.76/-1.24	-2.27/-4.26
Θ(150°)	-6.47/-6.39	-6.14/-5.01	-4.1/-3.87	-4.01/-4.44	-4.34/-4.06	-3.6/-3.77	-3.72/-4.01	-4.46/-4.82	-4.8/-4.82	-4.82/-5.77	-6.51/-6.54	-7.64/-7.58	-5.79/-4.98	-4.04/-3.25	-2.7/-3.2	-4.95/-6.5	-4.42/-2.38	-0.77/-0.33	-1.73/-3	-4.09/-5.75	-9.54/-9.7	-9.88/-7.65	-5.06/-3.47	-3.3/-4.98
Θ(157.5°)	-8.05/-7.52	-7.61/-7.84	-7.48/-7.68	-7.08/-7.51	-7.2/-6.15	-4.14/-3.35	-3.82/-4.66	-5.14/-5.01	-5.36/-5.76	-7.52/-8.41	-8.93/-8.47	-8.64/-8.74	-6.64/-4.24	-2.82/-3.42	-4.02/-4.78	-6.99/-8.3	-6.31/-4.85	-2.88/-1.34	-1.32/-1.88	-3.11/-4.86	-7.23/-6.61	-5.76/-5.12	-5.46/-6.18	-7.03/-7.5
Θ(165°)	-4.55/-4.95	-6.28/-5.49	-6.07/-5.62	-5.59/-6.42	-6.83/-6.6	-7.36/-8.57	-9.55/-9.76	-9.53/-10.1	-10.47/-9.08	-9.15/-9.08	-8.99/-8.26	-7.37/-6.76	-5.65/-5.03	-5.02/-4.87	-4.13/-3.14	-2.47/-2.6	-2.52/-2.27	-2.12/-2.36	-2.61/-3.56	-7.33/-8.1	-8.11/-6.86	-5.99/-5.33	-4.3/-4.25	
Θ(172.5°)	-9.47/-9.73	-10.51/-10.35	-9.38/-8.88	-9.23/-10.31	-11.54/-12.44	-11.84/-10.88	-10.01/-9.36	-8.65/-7.69	-6.71/-6.35	-6.46/-7.2	-8.64/-9.75	-11.09/-10.67	-11.47/-11.19	-9.23/-6.72	-4.99/-3.71	-3.13/-2.99	-2.61/-2.03	-1.58/-1.56	-1.94/-2.64	-3.57/-4.28	-4.97/-5.43	-6.07/-6.51	-6.52/-7.23	-8.11/-9.47
Θ(180°)	-9.25/-8.4	-7.34/-6.27	-5.72/-5.9	-5.81/-6.05	-6.32/-6.84	-4.96/-6.75	-6.78/-6.84	-6.85/-6.7	-6.63/-6.49	-7.51/-8.84	-9.83/-10.51	-10.56/-9.36	-8.43/-8.33	-7.74/-6.98	-6.25/-5.44	-5.16/-5.18	-5.05/-5.02	-4.89/-4.94	-4.8/-5.11	-5.49/-5.74	-5.9/-6.46	-6.85/-7.91	-8.97/-10.01	-10.2/-9.78
Freq(Hz)	6.695GPol.	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°)	-7.19/-7.56	-8.75/-10.66	-10.1/-10.4	-9.88/-9.24	-8.11/-7.21	-6.49/-6.06	-5.67/-5.08	-4.52/-3.49	-4.15/-4.05	-4.2/-4.53	-5.06/-5.28	-5.85/-5.64	-7.39/-8.58	-9.19/-9.49	-9.79/-10.03	-9.52/-8.47	-7.37/-6.27	-5.64/-5.05	-4.53/-3.88	-3.51/-3.52	-3.95/-4.16	-4.66/-4.77	-4.86/-5.04	-5.85/-6.66
Θ(7.5°)	-8.37/-8.1	-8.37/-8.6	-6.62/-6.32	-5.48/-4.84	-4.57/-4.44	-4.82/-5.29	-5.34/-5.14	-4.84/-4.19	-3.71/-3.57	-3.54/-3.76	-4.08/-4.78	-5.31/-6	-6.95/-7.93	-7.94/-8.05	-7.43/-7.11	-6.77/-6.53	-6.07/-5.34	-4.88/-4.49	-4.65/-5.11	-5.72/-5.75	-6.06/-6.69	-7.17/-8.2		
Θ(15°)	-7.4/-6.4	-6.02/-6.09	-5.07/-4.1	-3.19/-3.13	-3.17/-3.14	-3.78/-4.53	-5.21/-5.04	-5.01/-4.7	-4.02/-3.94	-4.08/-4.62	-5.44/-5.63	-5.66/-5.88	-5.72/-5.61	-5.14/-4.69	-4.32/-4.1	-3.96/-4.27	-4.76/-5.42	-6.4/-7.37	-7.31/-7.12	-6.47/-5.76	-6.32/-6.43	-6.43/-6.67	-7.7/-6.35	-8.76/-4.73
Θ(22.5°)	-5.85/-5.3	-5.33/-5.46	-6.19/-6.7	-5.04/-3.83	-3.4/-3.41	-3.4/-2.88	-2.79/-3.3	-4.33/-4.97	-5.18/-4.61	-4.7/-3.83	-3.25/-3.57	-4.04/-3.66	-3.6/-3.46	-3.72/-3.97	-4.18/-4.65	-5.54/-6.57	-7.1/-6.7	-6.08/-6.36	-6.16/-6.32	-6.42/-6.74	-6.81/-6.72	-7.06/-6.98	-6.1/-6.24	-7.19/-4.76
Θ(30°)	-6.11/-4.99	-3.99/-3.42	-2.59/-2.01	-1.78/-1.87	-2.8/-3.43	-3.98/-4.38	-4.83/-5.02	-4.3/-3.75	-3.23/-2.89	-2.32/-1.17	-1.12/-2.16	-2.39/-2.08	-3.04/-4.11	-6.39/-7.69	-7.1/-9.67	-8.21/-8.8	-7.28/-6.08	-6.04/-6.68	-6.11/-9.23	-9.28/-8.56	-9.28/-10.54	-8.15/-6.65	-7.38/-7.86	-8.65/-7.95
Θ(37.5°)	-2.45/-1.16	-0.64/-1.08	-1.72/-1.79	-1.75/-1.97	-1.8/-2.27	-3.71/-4.51	-4.73/-3.96	-2.64/-1.47	-0.72/-0.11	-0.21/-0.24	-1.95/-2.99	-3.82/-5.17	-5.39/-6.23	-7.88/-7.95	-7.6/-7.01	-7.01/-10.36	-9.33/-7.03	-5.01/-7.69	-9.71/-10.85	-11.53/-8.96	-7.6/-7.87	-7.73/-7.2	-6.29/-4.69	-4.25/-3.6
Θ(45°)	-1.83/-1.62	-2.08/-1.21	-1.12/-2.25	-2.21/-1.26	-0.98/-1.35	-1.98/-2.3	-2.88/-2.71	-2.57/-1.51	-0.74/-0.97	-1.01/-1.84	-3.5/-3.79	-3.67/-6.33	-3.98/-4.7	-6.89/-7.07	-4.86/-3.76	-6.98/-6.39	-6.84/-4.93	-2.78/-4.43	-9.94/-7.49	-5.16/-5.38	-6.35/-3.82	-9.99/-8.6	-5.71/-3.32	-2.99/-3.21
Θ(52.5°)	-2.76/-2.47	-3.11/-1.88	-3.11/-1.69	-0.75/-0.32	0.070/-22	0.14/-0.69	-0.12/-0.9	0.92/-0.22	-0.63/-0.84	-0.56/-1.08	-3.07/-5.45	-5.68/-4.35	-7.71/-5.25	-6.52/-5.11	-2.77/-5.54	-6.71/-8.8	-7.96/-2.87	-4.75/-6.55	-9.09/-4.97	-6.8/-5.84	-4.37/-5.34	-7.2/-7.04	-4.45/-2.5	-1.7/-2.97
Θ(60°)	-1.57/-1.03	-0.97/-0.82	-2.47/-2.2	-1.070.88	1.822/0.3	2.23/1.01	0.29/-0.08	-0.69/-0.25	-0.27/-0.27	-1.44/-0.81	-1.29/-2.43	-3.71/-2.71	-2.28/-3.95	-7.61/-7.06	-5.07/-5.47	-6.02/-11.92	-12.23/-8.28	-8.2/-7.67	-10.63/-9.28	-7.06/-4.99	-4.29/-5.83	-5.09/-3.93	-3.4/-2.89	-2.46/-3.04
Θ(67.5°)	-2.06/-0.56	-0.48/-0.05	-0.35/-0.9	-1.42/-0.9	0.13/-1.66	1.390/0.53	0.09/-0.69	-1.63/-1.44	0.06/-0.55	-1.24/-0.48	-1.45/-2.7	-4.78/-4.73	-3.69/-3.47	-4.52/-8.42	-6.1/-7.56	-8.31/-8.5	-9.81/-9.97	-8.05/-8.22	-8.5/-9.71	-9.18/-9.46	-11.02/-11.16	-10.03/-7.08	-6.35/-4.14	-3.58/-2.07
Θ(75°)	-2.19/-1.77	-0.59/-0.84	-0.99/-1.27	-3.28/-3.37	-1.59/0.25	0.09/-0.54	-0.79/-1.04	-1.02/-0.55	-0.76/-0.42	-0.28/-1.4	-3.24/-2.3	-4.62/-5.61	-8.98/-8.29	-9.72/-7.61	-5.36/-5.29	-7.81/-10.66	-11.79/-10.42	-9.3/-5.6	-5.54/-6.3	-5.44/-5.81	-3.94/-4.24	-3.74/-4.26		
Θ(82.5°)	-1.02/-1.13	-0.64/-0.59	0.13/-0.71	-1.79/-0.9	-0.48/-0.01	0.140/-3.1	-0.27/-0.15	-0.590.41	0.92/-0.11	-0.86/-1.36	-2.08/-2.67	-3.18/-2.69	-4.38/-5.08	-4.25/-8.17	-6.75/-9.37	-6.88/-7.58	-7.53/-9.5	-5.72/-11.51	-7.06/-8.69	-9.99/-5.86	-6.91/-7.87	-6.93/-6.95	-6.09/-4.23	-2.95/-2.18
Θ(90°)	-1.81/-6.23	-1.05/-1.83	-0.20/-0.07	-1.82/-6.21	-2.42/-1.17	0.06/-0.23	-0.04/-0.11	-1.34/-1.02	-0.38/-1.29	-1.460/-37	-0.27/-2.57	-3.57/-4.7	-4.66/-3.82	-3.52/-6.3	-8.35/-7.21	-6.77/-6.53	-9.39/-7.71	-3.49/-11.78	-9.91/-9.7	-6.97/-6.09	-4.98/-6.12	-5.14/-2.88	-3.27/-3.98	-3.53/-3.71
Θ(97.5°)	-3.31/-3.53	-2.04/-0.94	0.36/-0.1	-0.9/-1.21	-2.41/-2.39	-0.69/-0.68	-0.120.18	-1.44/-1.02	-0.35/-1.42	-0.71/-1.05	-1.39/-2.46	-4.04/-5.7	-6.72/-5.89	-6.84/-7.86	-7.52/-7.68	-5.97/-8.34	-4.84/-6.24	-1.86/-7.51	-10.54/-11.3	-4.48/-5.06	-7.02/-8.5	-7.85/-3.99	-3.37/-4.61	-3.53/-4.01
Θ(105°)	-2.5/-3.09	-1.71/-1.93	-0.290.31	-0.45/-0.34	0.23/-2.29	-3.51/-2.08	-0.210.44	-0.59/-3.49	-2.24/-1.3	-2.1/-3.21	-2.58/-3.34	-4.25/-5.13	-6.3/-6.29	-8.37/-8.07	-6.09/-5.29	-6.51/-8.53	-7.58/-7.75	-4.05/-4.23	-11.44/-10.43	-5.19/-6.5	-5.9/-5.23	-4.84/-4.63	-3.6/-4.63	-3.39/-4
Θ(112.5°)	-2.35/-2.16	-1.02/-0.39	-0.55/-1.93	-0.46/-2.92	-1.49/-2.5	-2.83/-1.72	-0.8/-4.09	-0.77/-2.27	-2.38/-2.27	-2.57/-2.71	-3.31/-3.69	-3.65/-5.31	-3.56/-7.73	-8.46/-7.46	-6.46/-6.73	-7.85/-6.24	-4.46/-6.18	-2.09/-3.46	-6.08/-9.62	-6.33/-5.85	-5.67/-6.41	-5.93/-4.02	-2.97/-3.28	-2.38/-6.23
Θ(120°)	-1.71/-1.63	-1.26/-0.78	-0.8/-1.24	-3.66/-4.33	-2.87/-2.45	-2.85/-3.23	-2/-1.2	-0.77/-1.43	-2.4/-3.32	-4.5/-5	-4.6/-4.42	-4.38/-5.64	-6.37/-7.08	-6.8/-5.41	-6.96/-7.24	-5.77/-3.38	-3.37/-3.26	-8.92/-11.88	-4.86/-5.56	-2.97/-4.7	-4.4/-1.78	-1/-1.44	-0.95/-1.29	
Θ(127.5°)	-2.11/-2.47	-3.34/-2.82	-2.03/-2.21	-1.96/-3.88	-5.85/-4.9	-4.42/-3.78	-3.78/-2.97	-2.54/-1.71	-1.63/-2.14	-2.7/-4.89	-6.24/-6.93	-6.69/-6.97	-6.37/-7.51	-7.29/-8.91	-9.08/-7.96	-7.97/-5.6	-3.14/-6.09	-4.93/-2.96	-7.18/-8.95	-6.49/-4.47	-2.43/-5.81	-4.56/-3.29	-2.76/-2.72	-1.84/-1.73
Θ(135°)	-3.29/-3.17	-2.43/-2.27	-2.91/-5.2	-1.72/-1.96	-3.71/-5.96	-5.05/-3.95	-2.73/-1.52	-0.99/-1.34	-1.85/-1.83	-3.28/-5.9	-7.26/-6.79	-8.73/-9.03	-7.5/-6.49	-5.05/-6.22	-6.27/-8.51	-8.22/-7.64	-3.35/-6.78	-5.58/-5.79	-5.56/-7.52	-8.21/-7.18	-6.33/-4.91	-4.17/-3.27	-3.7/-3.08	-2.64/-2.63
Θ(142.5°)	-4.27/-5.04	-4.91/-3.1	-1.38/-1.38	-2.14/-2.56	-3.97/-5.17	-3.91/-2.9	-1.86/-1.08	-1.43/-3	-4.76/-4.63	-4.27/-4.97	-5.45/-7.4	-10.98/-9.38	-8.52/-5.95	-6.85/-9.7	-6.52/-6.64	-6.94/-6.7	-6.87/-7.33	-5.1/-5.87	-8.6/-7.09	-5.65/-5.79	-3.41/-3.35	-3.67/-3.03	-4.47/-4.58	-3.62/-4.11
Θ(150°)	-2.78/-1.98	-0.40/-0.82	-1.38/-2.21	-3.51/-4.39	-5.65/-6.8	-4.46/-5.89	-6/-5.68	-5.56/-5.69	-5.21/-4.62	-4.08/-4.37	-4.53/-6.11	-8.2/-9.42	-8.88/-7.68	-9.19/-9.47	-9.06/-8.71	-8.21/-7.58	-10.54/-6.89	-5.73/-8.51	-8.37/-6.33	-6.44/-7.93	-6.76/-6.01	-5.58/-5.66	-5.11/-3.99	-3.22/-3.14
Θ(157.5°)	-1.6/-1.12	-1.24/-1.71	-2.37/-5.4	-5.99/-8.21	-10.41/-11.51	-8.88/-9.12	-7.84/-7.49	-7.85/-8.4	-7.42/-6.71	-7.24/-6.57	-8.07/-6.51	-5.18/-4.49	-5.48/-7.9	-7.81/-7.48	-7.9/-7.33	-8.13/-9.39	-8.86/-6.88	-9.34/-10.94	-5.88/-6.9	-8.14/-11.32	-10.69/-9.13	-6.04/-4.21	-3.13/-2.21	-1.91/-6.9
Θ(165°)	-4.86/-5.45	-5.95/-6.09	-6.88/-7.64	-9.32/-10.77	-11.47/-11.69	-10.77/-11.1	-9.76/-9.13	-9.31/-8.93	-7.53/-6.19	-5.13/-4.82	-4.56/-4.23	-3.55/-3.54	-4.11/-4.68	-4.52/-3.5	-2.65/-2.72	-3.41/-6.22	-6.26/-7.39	-7.59/-6.4	-5.31/-4.62	-8.88/-8.49	-6.17/-5.37	-6.11/-5.85	-5.69/-5.59	
Θ(172.5°)	-6.28/-6.32	-5.54/-5.25	-5.26/-6.74	-8.35/-9.65	-10.5/-10.78	-10.5/-9.58	-8.01/-8.67	-6.54/-6.26	-6.26/-5.96	-5.21/-4.71	-4.66/-4.82	-5.04/-4.91	-4.25/-3.69	-3.34/-2.97	-2.97/-3.11	-3.13/-3.5	-4.31/-6.09	-8.57/-8.72	-6.95/-6.03	-5.61/-5.94	-6.35/-7.31	-7.36/-7.03	-6.27/-6.05	-6.02/-8.3
Θ(180°)	-3.77/-3.43	-3.86/-4.23	-5.33/-7.25	-8.51/-9.32	-9.57/-10.77	-10.92/-9.87	-8.96/-8.67	-8.29/-8.27	-7.16/-6.6	-5.84/-5.12	-4.55/-4.21	-4.34/-4.49	-4.73/-5.07	-5.25/-5.97	-6.66/-7.37	-7.85/-8.3	-9.47/-10.64	-11.53/-12.11	-11.89/-12.17	-10.67/-9.42	-8.54/-7.96	-6.59/-6.15	-5.51/-5.36	-5.35/-4.25
Freq(Hz)	6.995GPol.	Phi-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DG(dB)	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(4																				