



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

Appendix A

Theta	0(45°)	0(52.5°)	0(60°)	0(67.5°)	0(75°)	0(82.5°)	0(90°)	0(97.5°)	0(105°)	0(112.5°)	0(120°)	0(127.5°)	0(135°)	0(142.5°)	0(150°)	0(157.5°)	0(165°)	0(172.5°)	0(180°)	Freq(Hz)	Gain	0(0°)	0(7.5°)	0(15°)	0(22.5°)	0(30°)	0(37.5°)	0(45°)	0(52.5°)	0(60°)	0(67.5°)	0(75°)	0(82.5°)	0(90°)	0(97.5°)	0(105°)	0(112.5°)	0(120°)	0(127.5°)	0(135°)	0(142.5°)	0(150°)	0(157.5°)	0(165°)	0(172.5°)	0(180°)	0(187.5°)	0(195°)	0(202.5°)	0(210°)	0(217.5°)	0(225°)	0(232.5°)	0(240°)	0(247.5°)	0(255°)	0(262.5°)	0(270°)	0(277.5°)	0(285°)	0(292.5°)	0(300°)	0(307.5°)	0(315°)	0(322.5°)	0(330°)	0(337.5°)	0(345°)	0(352.5°)
0(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																																													



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	-13.27/-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	-18.71/-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	-11.77/-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/-11.1	-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/-10.0	-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/-17.9	-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/-9.0	-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/-10.7	-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/-9.81	-8.24/-8.07	-7.42/-8.19
Θ(37.5°)	-8.79/-11.03	-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/-17.57	-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/-19.27	-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/-8.85	-6.45/-5.34	-5.58/-7.15	-9.53/-10.38	-11.85/-15.28	-18.17/-17.17	-18.19/-18.34	-18.7/-14.69	-17.64/-16.77	-13.64/-13.87	-14.01/-18.21	-18.54/-19.46	-11.99/-11.12	-11.88/-11.01	-9.97/-11.02	-13.65/-12.28	-9.5/-6.25	-5.84/-5.52	-4.86/-5.46	-5.6/-5.56	-6.63/-6.23	
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	-18.61/-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/-9.4	-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/-11.5	-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/-10.9	-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	-8.83/-9.95	-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	-9.48/-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	-13.84/-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/-9.7	-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°)	-13.99/-11.2	-9.16/-9.46	-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/-17.4	-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/-12.13	-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	-14.88/-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/-18.78	-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



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

Appendix B

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

Theta	Phi	Phi(7.5)	Phi(15)	Phi(30)	Phi(45)	Phi(60)	Phi(75)	Phi(90)	Phi(105)	Phi(120)	Phi(135)	Phi(150)	Phi(165)	Phi(180)	Phi(195)	Phi(210)	Phi(225)	Phi(240)	Phi(255)	Phi(270)	Phi(285)	Phi(300)	Phi(315)	Phi(330)	Phi(345)
Theta(7.5)	Phi(7.5)	-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	-8.5/6.08	-9.88/5.65	-12.24/4.84	-14.74/3.88	-17.37/3.32	-21.33/3.41	-24.4/2.84	-28.44/2.45	-32.6/3.03	-36.8/2.52	-41.0/2.11	-45.2/1.77	-49.4/1.48	-53.6/1.24	-57.8/1.04	-62.0/0.88
Theta(15)	Phi(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	-4.49/3.93	-3.27/3.46	-3.72/4.03	-4.2/4.19	-4.28/4.51	-4.22/4.37	-4.22/4.37	-4.22/4.37	-4.22/4.37	-4.22/4.37	-4.22/4.37	-4.22/4.37	-4.22/4.37	-4.22/4.37	-4.22/4.37	-4.22/4.37	-4.22/4.37
Theta(30)	Phi(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	-0.30/0.65	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	-1.41/1.02	-1.13/2.42
Theta(45)	Phi(45)	-2.29/2.87	-3.89/3.62	-3.08/2.55	-3.73/4.57	-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	-1.36/0.55	-0.85/1.74	-2.24/1.16	-0.47/1.6
Theta(60)	Phi(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	-7.51/4.17	-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
Theta(75)	Phi(75)	-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	-2/0.9/2.42	-4.73/5.42	-2.15/3.05	-2.63/2.63	-3.29/3.23	-4.74/5.24	0.09/1.63	2.54/2.22	1.79/3.22	4.08/3.87	3.95/1.4	1.25/0.2	-1.7/3.44	-1.72/1.77	-1.11/1.3	-2.91/3.67	-2.98/2.94
Theta(90)	Phi(90)	-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
Theta(105)	Phi(105)	-4.26/3.69	-4.82/3.64	-3.32/3.73	-5.29/5.22	-3.65/6.54	-8.94/6.12	-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	0.34/1.96	2.67/3.18	2.05/4.19	-1.95/1.09	-1.31/2.68	-2.56/1.96	-3.62/3.9	-5.34/6.59	-4.19/2.28
Theta(120)	Phi(120)	-6.39/4.7	-6.77/6.22	-7.65/7.59	-6.05/5.6	-5.23/6.03	-8.72/8.23	-6.27/6.69	-7.86/3.96	-1.97/4.02	-2.28/2.27	-3.35/3.91	-4.54/4.82	-5.42/3.68	-0.01/0.78	1.54/0.14	-0.99/2.09	2.07/3.97	0.54/4.45	-0.7/10.79	-0.43/2.91	-3.02/6.61	-4.14/2.47	-5.53/4.92	-4.01/3
Theta(135)	Phi(135)	-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
Theta(150)	Phi(150)	-8.63/9.62	-8.88/6.46	-3.52/3.25	-4.02/4.94	-5.15/3.85	-6.76/7.57	-7.83/6.22	-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	-2.40/7.8	2.07/1.93	2.08/3.25	1.21/1.51	-1.52/4.29	-1.7/3.44	-1.11/1.3	-2.91/3.67	-2.98/2.94	-1.01/2.11
Theta(165)	Phi(165)	-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	-6.38/3.82	-4.36/3.89	-6.03/5.73	-3.21/3.08	-3.86/3.94	-3.22/3.57	-1.48/2.56	0.22/1.39	-6.42/1.89	0.42/1.67	-0.07/3.55	1.183/51	1.09/0.59	-0.54/6.84	-6.45/6.09	-7.34/7.11	-9.11/6.01
Theta(180)	Phi(180)	-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	-1.54/0.47	1.04/1.39	-1.2/4.45	0.263/0.9	0.44/2.72	-2.78/7.15	-6.02/7.51	-8.53/8.94	-7.44/7.19
Theta(195)	Phi(195)	-7.54/6.42	-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	-4.27/5.62	-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	1.62/3.36	-1.66/3.02	0.493/1.8	1.72/5.65	-3.56/2.07	-5.13/4.99	-6.18/7.87	-7.52/6.62
Theta(210)	Phi(210)	-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	-7.97/8.51	-6.71/6.69	-3.67/4.26	-3.54/2.25	-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	-7.56/1.07	-8.22/7.36	-6.45/8.16	-8.59/9.66
Theta(225)	Phi(225)	-10.27/9.71	-9.16/8.49	-8.19/9.01	-8.1/6.16	-8.18/3.68	-5.08/6.99	-6.45/5.76	-7.7/7.4	-5.42/4.23	-4.32/5.19	-6.05/7.21	-7.32/6.75	-6.15/5.57	-5.01/2.71	-1.72/2.63	-2.91/1.72	-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	-7.04/8.8
Theta(240)	Phi(240)	-7.44/7.85	-7.87/8.55	-9.72/10.07	-8.08/8.45	-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	1.06/0.75	1.06/0.75	1.06/0.75	1.06/0.75	1.06/0.75	1.06/0.75	1.06/0.75	1.06/0.75
Theta(255)	Phi(255)	-8.97/8.83	-7.61/7.57	-7.41/6.65	-6.81/7.45	-7.94/6.48	-6.25/4.79	-4.86/5.84	-7.34/8.13	-7.43/5.97	-4.08/4.77	-6.09/6.28	-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	-1.01/2.97	-1.01/2.97
Theta(270)	Phi(270)	-9.97/9.95	-10.49/10.9	-10.52/10.35	-8.66/6.96	-6.05/5.45	-5.33/6.25	-6.72/9.31	-10.09/10.02	-8.74/8	-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	-11.21/9.97
Theta(285)	Phi(285)	-8.66/8.68	-8.72/7.89	-7.5/6.9	-6.89/7.21	-7.34/7.6	-7.63/6.42	-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	-4.81/4.81	-4.76/5.27	-6.14/6.89	-8.32/9.73	-12.24/12.28	-12.76/11.95	-11.55/8.55
Theta(300)	Phi(300)	-7.74/7.38	-6.77/6.22	-4.66/4.19	-4.03/4.11	-4.31/4.47	-4.75/4.12	-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	-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	-8.44/8.23
Theta(315)	Phi(315)	Phi(7.5)	Phi(15)	Phi(30)	Phi(45)	Phi(60)	Phi(75)	Phi(90)	Phi(105)	Phi(120)	Phi(135)	Phi(150)	Phi(165)	Phi(180)	Phi(195)	Phi(210)	Phi(225)	Phi(240)	Phi(255)	Phi(270)	Phi(285)	Phi(300)	Phi(315)	Phi(330)	Phi(345)
Theta(330)	Phi(330)	Phi(7.5)	Phi(15)	Phi(30)	Phi(45)	Phi(60)	Phi(75)	Phi(90)	Phi(105)	Phi(120)	Phi(135)	Phi(150)	Phi(165)	Phi(180)	Phi(195)	Phi(210)	Phi(225)	Phi(240)	Phi(255)	Phi(270)	Phi(285)	Phi(300)	Phi(315)	Phi(330)	Phi(345)
Theta(345)	Phi(345)	Phi(7.5)	Phi(15)	Phi(30)	Phi(45)	Phi(60)	Phi(75)	Phi(90)	Phi(105)	Phi(120)	Phi(135)	Phi(150)	Phi(165)	Phi(180)	Phi(195)	Phi(210)	Phi(225)	Phi(240)	Phi(255)	Phi(270)	Phi(285)	Phi(300)	Phi(315)	Phi(330)	Phi(345)

6G option2

Theta	Phi	Phi(7.5)	Phi(15)	Phi(30)	Phi(45)	Phi(60)	Phi(75)	Phi(90)	Phi(105)	Phi(120)	Phi(135)	Phi(150)	Phi(165)	Phi(180)	Phi(195)	Phi(210)	Phi(225)	Phi(240)	Phi(255)	Phi(270)	Phi(285)	Phi(300)	Phi(315)	Phi(330)	Phi(345)
Theta(7.5)	Phi(7.5)	-3.22/3.88	-3.7/3.46	-3.3/3.26	-3.29/3.16	-2.96/3.15	-3.29/3.16	-3.24/3.21	-3.27/3.2	-3.12/3.18	-3.21/3.06	-3.21/3.06	-3.21/3.06	-3.21/3.06	-3.21/3.06	-3.21/3.06	-3.21/3.06	-3.21/3.06	-3.21/3.06	-3.21/3.06	-3.21/3.06	-3.21/3.06	-3.21/3.06	-3.21/3.06	-3.21/3.06
Theta(15)	Phi(15)	-3.57/3.14	-2.75/2.74	-2.64/2.68	-2.35/2.43	-2.36/2.41	-2.36/2.41	-2.36/2.41	-2.36/2.41	-2.36/2.41	-2.36/2.41	-2.36/2.41	-2.36/2.41	-2.36/2.41	-2.36/2.41	-2.36/2.41	-2.36/2.41	-2.36/2.41	-2.36/2.41	-2.36/2.41	-2.36/2.41	-2.36/2.41	-2.36/2.41	-2.36/2.41	-2.36/2.41
Theta(30)	Phi(30)	-2.57/2.19	-1.11/0.5	-0.31/0.37	-0.27/0.17	-0.12/0.3	-0.55/0.62	-0.64/0.62	-0.65/0.61	-0.62/0.75	-0.84/1.19	-1.29/1.45	-1.7/1.9	-2.46/3.35	-4.19/4.74	-4.21/3.72	-3.45/3.33	-3.04/3.28	-3.72/4.7	-5.4/5.98	-6.93/3.7	-7.27/7.13	-5.76/3.87	-2.89/2.13	-2.37/2.56
Theta(45)	Phi(45)	-3.65/2.41	-1.21/0.21	0.27/0.54	0.56/0.53	-0.02/0.82	-1.41/1.66	-1.4/0.95	-0.71/0.62	-0.71/0.68	-1.03/1.93	-2.76/3.71	-3.99/4.07	-3.8/2.97	-2.34/1.86	-2.05/1.89	-2.14/2.31	-2.94/3.69	4.04/4.21	-4.75/6.05	-8.05/8.68	-6.04/7.13	-6.38/5.64	-5.07/4.23	-4.58/4.18



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

Appendix B

Theta (°)	Phi (°)	Phi(7.5°)	Phi(15°)	Phi(22.5°)	Phi(30°)	Phi(37.5°)	Phi(45°)	Phi(52.5°)	Phi(60°)	Phi(67.5°)	Phi(75°)	Phi(82.5°)	Phi(90°)	Phi(97.5°)	Phi(105°)	Phi(112.5°)	Phi(120°)	Phi(127.5°)	Phi(135°)	Phi(142.5°)	Phi(150°)	Phi(157.5°)	Phi(165°)	Phi(172.5°)	Phi(180°)	Phi(187.5°)	Phi(195°)	Phi(202.5°)	Phi(210°)	Phi(217.5°)	Phi(225°)	Phi(232.5°)	Phi(240°)	Phi(247.5°)	Phi(255°)	Phi(262.5°)	Phi(270°)	Phi(277.5°)	Phi(285°)	Phi(292.5°)	Phi(300°)	Phi(307.5°)	Phi(315°)	Phi(322.5°)	Phi(330°)	Phi(337.5°)	Phi(345°)	Phi(352.5°)																																																																																																																																																																																																																																																																																																																																																																
Theta (82.5°)	-3.58/-2.71	-3.23/-0.88	0.72/0.93	0.86/0.46	0.78/0.5	-1.49/-0.25	-0.41/-1.32	-2.01/-3.73	-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/-9.4	-5.46/-5.91	-3.52/-1.89	Theta (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	-3.21/-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/-5.75	-5.3/-7.54	-5.59/-4.65	-7.02/-4.86	-4.38/-2.41	Theta (97.5°)	-5.5/-4.8	-4.51/-5.5	-4.17/-3.43	-2.15/-2.16	-1.26/-0.63	-1.45/-2.26	-2.31/-1.31	-0.92/-1.33	-1.12/-2.4	-3.54/-5.79	-4.26/-4.83	-6.42/-8.68	-7.19/-5.62	-4.69/-4.47	-3.32/-3.64	-3.73/-2.63	-2.61/-2.08	-2.74/-5.61	-3.17/-2.85	-4.05/-4.2	-6.23/-4.78	-5.3/-3.92	-8.11/-8.73	-5.87/-6.4	Theta (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	-7.21/-5.7	-5.74/-5.85	-4.87/-5.7	-4.9/-3.04	-3.13/-3.48	-4.24/-1.86	-5.24/-2.21	-2.71/-4.89	-6.06/-7.7	-5.59/-9.57	-9.4/-9.08	-6.13/-5.32	Theta (112.5°)	-5.03/-6.5	-4.74/-5.18	-4.16/-3.92	-2.53/-2.06	-2.32/-1.25	-2.04/-2.1	-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/-6.62	-6.54/-6.32	-5.49/-4.84	-4.21/-2.73	-4.14/-7.33	-4.47/-1.8	-2.99/-2.52	-3.82/-6.65	-10.69/-9.34	-10.25/-8.9	-7.47/-5.1	Theta (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	-4.09/-4.29	-3.33/-2.63	-5.56/-5.68	-5.45/-4.03	-2.68/-2.97	-4.83/-9.72	-5.13/-1.91	-5.68/-0.41	-7.31/-1.77	-8.95/-8.22	-16.16/-8.32	-9.58/-7.95	Theta (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	-6.43/-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	Theta (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/-1.85	-3.84/-4.34	-3.52/-1.99	-1.08/-1.85	-2.94/-7.4	-6.37/-6.46	-5.09/-5.45	-5.95/-2.82	-2.41/-4.48	-5.16/-3.04	-2.46/-4.15	-4.87/-7.85	-8.28/-3.4	-3.98/-9.14	-10.13/-5.94	-9.37/-9.41	-8.17/-8.87	-10.51/-10.67	Theta (142.5°)	-6.91/-5.97	-5.02/-4.46	-4.78/-6.41	-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/-5.25	-5.02/-7.68	-7.8/-6.07	-3.72/-2.26	-3.44/-3.63	-4.14/-2.53	-2.74/-5.85	-4.57/-8.11	-4.94/-7.76	-7.39/-7.22	-7.66/-7.14	Theta (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	-3.31/-3.43	-3.24/-0.6	-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	Theta (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	-5.14/-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/-6.71	-6.99/-7.45	-3.31/-2.96	-3.53/-5.47	-8.62/-10.38	-8.64/-8.57	-8.81/-8.63	-9.08/-8.84	Theta (165°)	-5.53/-6.73	-7.47/-7.79	-8.4/-9.27	-8.38/-8.78	-5.51/-4.65	-4.74/-5.68	-6.74/-5.2	-8.19/-8.52	-7.63/-7.13	-6.82/-6.62	-6.44/-5.36	-4.53/-4.2	-4.23/-4.27	-4.24/-5	-5.47/-6.64	-6.85/-6.64	-5.88/-5.92	-6.18/-5.9	-4.96/-4.95	-5.15/-9	-6.85/-7.31	-8.47/-8.81	-7.89/-8.26	-7.47/-6.84	Theta (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	Theta (180°)	-11.34/-10.95	-9.65/-8.56	-8.27/-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	-5.71/-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.	Theta	Phi	Phi(7.5°)	Phi(15°)	Phi(22.5°)	Phi(30°)	Phi(37.5°)	Phi(45°)	Phi(52.5°)	Phi(60°)	Phi(67.5°)	Phi(75°)	Phi(82.5°)	Phi(90°)	Phi(97.5°)	Phi(105°)	Phi(112.5°)	Phi(120°)	Phi(127.5°)	Phi(135°)	Phi(142.5°)	Phi(150°)	Phi(157.5°)	Phi(165°)	Phi(172.5°)	Phi(180°)	Phi(187.5°)	Phi(195°)	Phi(202.5°)	Phi(210°)	Phi(217.5°)	Phi(225°)	Phi(232.5°)	Phi(240°)	Phi(247.5°)	Phi(255°)	Phi(262.5°)	Phi(270°)	Phi(277.5°)	Phi(285°)	Phi(292.5°)	Phi(300°)	Phi(307.5°)	Phi(315°)	Phi(322.5°)	Phi(330°)	Phi(337.5°)	Phi(345°)	Phi(352.5°)

6G option3

Theta (°)	Phi (°)	Phi(7.5°)	Phi(15°)	Phi(22.5°)	Phi(30°)	Phi(37.5°)	Phi(45°)	Phi(52.5°)	Phi(60°)	Phi(67.5°)	Phi(75°)	Phi(82.5°)	Phi(90°)	Phi(97.5°)	Phi(105°)	Phi(112.5°)	Phi(120°)	Phi(127.5°)	Phi(135°)	Phi(142.5°)	Phi(150°)	Phi(157.5°)	Phi(165°)	Phi(172.5°)	Phi(180°)	Phi(187.5°)	Phi(195°)	Phi(202.5°)	Phi(210°)	Phi(217.5°)	Phi(225°)	Phi(232.5°)	Phi(240°)	Phi(247.5°)	Phi(255°)	Phi(262.5°)	Phi(270°)	Phi(277.5°)	Phi(285°)	Phi(292.5°)	Phi(300°)	Phi(307.5°)	Phi(315°)	Phi(322.5°)	Phi(330°)	Phi(337.5°)	Phi(345°)	Phi(352.5°)																																																																																																																																																																																																																																																								
Theta (82.5°)	-4.8/-5.4	-0.61/-2.23	-6.52/-8.57	-5.56/-5.61	-5.16/-4.91	-4.59/-4.7	-4.01/-3.61	-3.05/-3.03	-3.41/-3.91	-4.29/-4.6	-5.15/-5.7	-6.35/-7.22	-8.01/-8.11	-7.94/-7.85	-7.33/-6.66	-5.96/-5.31	-4.78/-0.23	-3.84/-3.98	-3.88/-3.95	-3.57/-3.35	-3.16/-3.05	-3.91/-4.58	-4.65/-4.38	-4.02/-3.34	Theta (90°)	-8.61/-8.44	-7.87/-7.29	-7.6/-7.17	-5.56/-5.18	-4.66/-4.17	-3.71/-3.31	-3.28/-2.87	-2.59/-2.67	-2.93/-3.49	-3.44/-3.52	-3.29/-3.18	-3.13/-3.35	-3.51/-3.99	-4.14/-4.03	-3.95/-4.18	-4.2/-4.23	-3.92/-3.72	-3.58/-3.43	-3.64/-3.75	-3.73/-3.81	-4.02/-4.73	-6.03/-7.3	-8.18/-8.85	-8.53/-8.39	Theta (97.5°)	-5.13/-5.22	-4.22/-4.37	-3.44/-3.65	-3.11/-3.24	-1.83/-1.75	-1.71/-1.62	-1.67/-1.4	-1.15/-1.31	-1.44/-1.76	-2.31/-2.25	-3.96/-3.75	-3.41/-2.81	-2.42/-2.44	-2.42/-2.37	-1.85/-1.5	-1.55/-1.76	-1.89/-2.38	-2.96/-3.6	-4.22/-4.19	-4.4/-4.69	-4.86/-5.29	-5.56/-5.14	-5.37/-5.3	Theta (105°)	-4.77/-4.67	-3.13/-1.74	-1.01/-0.56	-0.61/-0.93	-1.61/-2.8	-3.69/-3.78	-3.72/-3.32	-3.84/-4.49	-5.13/-6.53	-5.52/-4.49	-1.63/-2.42	-1.28/-1.1	-1.16/-1.66	-0.77/-0.81	-1.62/-2.63	-3.71/-4.64	-5.41/-5.1	-5.42/-5.2	-5.49/-5.2	-5.42/-5.2	-5.42/-5.2	-5.42/-5.2	-5.42/-5.2	-5.42/-5.2	Theta (120°)	-6.07/-6.58	-5.17/-4	-2.47/-1.91	-2.61/-3.5	-5.15/-5.87	-5.17/-4.37	-3.65/-3.69	-4.27/-5.21	-5.92/-6.01	-6.14/-7.3	-3.77/-3.25	-3.38/-3.8	-3.02/-8.2	0.481/0.3	1.070/7.8	0.071/0.8	-2.56/-3.48	-4.02/-3.7	-3.15/-3.32	-4.63/-5.02	-4.87/-5.37	-6.17/-6.08	-5.58/-5.27	-4.87/-5.41	Theta (127.5°)	-4.01/-7.19	-4.71/-3.27	-3.64/-3.68	-4.24/-5.42	-4.13/-4.89	-5.33/-5.1	-4.74/-4.72	-4.97/-5.16	-5.41/-4.91	-4.4/-4.1	-4.43/-2.97	-2.16/-2.11	-1.50/0.1	2.332/0.9	3.223/0.8	2.122/0.8	0.372/0.7	-2.27/-2.33	-4.04/-3.8	-1.84/-1.57	-2.98/-4.7	-4.62/-3.92	-1.37/-1.02	-1.82/-2.7	Theta (135°)	-3.27/-3.64	-3.61/-3.24	-2.59/-3.21	-2.59/-3.1	-3.08/-3.01	-2.71/-3.21	-3.45/-3.38	-3.98/-4.92	-4.74/-4.7	-4.21/-3.6	-3.68/-3.07	-1.81/-1.46	-1.29/-0.04	1.552/4.2	2.212/1.7	0.170/0.6	2.211/1.7	1.070/7.6	1.170/0.8	-2.98/-3.18	-2.64/-3.02	-3.51/-3.67	-2.93/-1.64	Theta (142.5°)	-1.65/-3.2	-3.77/-3.25	-1.21/-0.94	-1.06/-2.05	-4.14/-4.01	-4.12/-4.35	-2.61/-2.22	-2.68/-3.63	-4.48/-4.63	-4.98/-4.48	-3.69/-4.1	-3.25/-2.53	-2.57/-0.76	0.921/3.7	1.242/5.6	3.212/8.7	2.662/6.3	3.242/9.2	1.393/0.33	0.022/0.41	-0.72/-0.16	0.522/0.39	-1.73/-2.29	-3.43/-2.41	Theta (150°)	-2.02/-1.84	-3.38/-2.45	-2.01/-1.51	-2.07/-3.71	-4.75/-5.98	-4.95/-3.8	-3.01/-2.72	-3.9/-3.55	-4.76/-5.8	-5.77/-4.71	-6.49/-8	-6.82/-4.58	-3.03/-1.28	0.460/0.8	0.831/4.1	1.892/5.5	2.441/6.5	1.520/6.1	-0.55/-0.48	0.16/-1.04	-1.240/5.6	0.333/0.71	-3.06/-3.34	-2.97/-2.27	Theta (157.5°)	-1.44/-1.96	-1.57/-5.61	-8.34/-9.18	-8.12/-5.88	-8.49/-7.55	-5.71/-5.99	-5.97/-4.94	-3.49/-4.34	-7.57/-7.02	-3.54/-3.74	-4.11/-5.77	-5.14/-5.6	-4.63/-3.96	-4.11/-4.92	-3.81/-3.96	-4.12/-1.92	-0.87/-3.29	-4.61/-0.87	1.653/3.8	-1.050/1.3	-1.681/1.4	-2.24/-2.84	-1.95/-1.42	Theta (165°)	-5.59/-7.47	-7.66/-11.01	-11.13/-8.82	-8.65/-8.11	-7.53/-11.58	-8.71/-7.06	-7.92/-6.98	-3.66/-4.72	-7.28/-7.33	-6.64/-6.22	-5.3/-5.82	-4.94/-4.15	-4.63/-2.98	-2.98/-1.54	-0.29/-1.6	-3.33/-0.34	1.531/7.5	0.82/-2.84	-1.662/0.8	2.85/-2.2	-2.87/-2.98	-1.86/-2.26	-5.82/-6.34	-3.73/-3.58	Theta (180°)	-7.54/-9.78	-6.04/-6.4	-8.55/-10.95	-10.42/-9.33	-8.41/-8.29	-9.65/-6.83	-7.62/-8.2	-5.71/-5.8	-6.86/-6.1	-6.48/-4.44	-4.49/-3.66	-5.86/-4.47	-3.72/-3.51	-2.44/-2.17	0.41/-1.43	-4.25/-1.36	0.931/4.9	1.752/0.6	2.142/9.8	1.622/7.1	-0.23/-2.76	-2.2/-3.95	-7.68/-10.03	-8.85/-6.75



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

Appendix B

Theta (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	-0.060-0.74	-0.630-38	1.723-26	0.34-0.68	-1.89-1.8	-0.94-3.74	-9.79-10.8	-7.74-5.44
Theta (120°)	-7.53-11.73	-10.03-11.28	-9.33-8.29	-8.91-9.64	-9.97-10.64	-9.72-8.5	-6.89-8.65	-9.37-8.39	-6.73-7.29	-6.88-5.75	-5.84-5.24	-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
Theta (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	-5.73-6.13	-4.87-4.68	-4.96-6.22	-6.47-4.16	-4.52-3.41	-3.67-4.82	-2.90-7.7	0.030-32	-0.64-2.79	-1.990-63	-1.04-6.65	-4.35-3.01	-8.11-7.54	-6.01-9.93	-10.49-5.85
Theta (135°)	-8.9-8.95	-9.47-11.3	-8.5-7.83	-9.81-10.03	-9.79-8.05	-7.19-8.18	-7.79-8.52	-7.76-8.82	-6.61-6.91	-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	-0.70-5.66	-1.49-4.4	-2.31-1.99	-1.07-9.77	-5.73-4.38	-4.66-5.83	-5.13-7.9	-10.98-10.51
Theta (142.5°)	-9.34-10.5	-10.93-8.35	-7.69-7.73	-7.15-6.4	-5.11-3.75	-3.61-5.27	-6.84-6.33	-4.84-5.07	-5.6-6.88	-6.52-6.02	-5.39-4.97	-5.86-6.4	-6.27-6.34	-4.29-2.34	-1.65-6.33	-1.02-2.22	-1.2-0.94	-1.45-2.34	-2.46-2.94	-0.77-0.88	-3.07-4.03	-4.78-4.51	-4.15-5.76	-8.76-10.29
Theta (150°)	-8.93-8.52	-7.81-6.64	-6.02-6.84	-9.91-9.9	-5.69-4.35	-4.2-5.85	-8.2-7.76	-6.67-6.6	-4.04-5.82	-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	-3.75-4.61	-5.21-7.08	-9.43-10.44
Theta (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	0.840-2	-1.3-2.31	-2.46-2.63	-2.81-3.25	-4.51-6.45	-7.47-8.26
Theta (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	-8-19	-8.52-8.38	-6.93-7.59	-5.48-5.15	-4.96-5.44	-6.19-6.26	-4.65-2.74	-2.2-2.59	-3.74-5.55	-7.75-9.69	-10.34-11.16	-11.92-12.76	-12.15-11.63
Theta (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	-10.71-10.18	-9.97-10.13	-9.94-9.99	-10.42-10.39	-9.47-8.64	-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	-10.98-10.48
Theta (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	-7.82-7.48	-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)	6175GPol.	Theta	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi
DG(dB)	Phi(0°)Phi(7.5°)	Phi(15°)Phi(22.5°)	Phi(30°)Phi(37.5°)	Phi(45°)Phi(52.5°)	Phi(60°)Phi(67.5°)	Phi(75°)Phi(82.5°)	Phi(90°)Phi(97.5°)	Phi(105°)Phi(112.5°)	Phi(120°)Phi(127.5°)	Phi(135°)Phi(142.5°)	Phi(150°)Phi(157.5°)	Phi(165°)Phi(172.5°)	Phi(180°)Phi(187.5°)	Phi(195°)Phi(202.5°)	Phi(210°)Phi(217.5°)	Phi(225°)Phi(232.5°)	Phi(240°)Phi(247.5°)	Phi(255°)Phi(262.5°)	Phi(270°)Phi(277.5°)	Phi(285°)Phi(292.5°)	Phi(300°)Phi(307.5°)	Phi(315°)Phi(322.5°)	Phi(330°)Phi(337.5°)	Phi(345°)Phi(352.5°)
Theta (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	-6.41-6.45	-6.09-6.57	-5.04-5.38	-5.14-6.8	-4.37-4.52
Theta (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	-5.51-5.19	-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	-5.08-5.15	-6.2-6.81	-7.24-7.02	-6.18-6.53	-4.84-3.97	-3.07-2.76	-3.03-3.23
Theta (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	-6.60-5.07	-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	-4.4-4.9
Theta (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
Theta (30°)	-4.88-5.56	-6.91-6	-4.58-3.9	-4.29-4.99	-6.28-7.97	-9.88-10.28	-9.75-8.09	-5.02-3.8	-4.37-5.52	-6.09-6.77	-5.77-4.99	-5.81-7.44	-6.93-8.21	-6.36-5.21	-5.37-5.99	-5.11-3.27	-3.04-3.76	-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
Theta (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	-8.47-10.2	-5.14-8.3	-5.77-6.93	-6.61-6.67	-4.15-4.65	-4.65-5.49	-6.17-6.67	-5.71-4.94	-4.74-4.62	-3.78-2.95	-1.67-1.67	-1.87-1.23	-1.79-1.43	-1.81-1.23	-1.60-0.82	-0.51-2.21	-4.65-4.51	-4.43-4.39
Theta (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	-5.37-3.78	-6.47-5.31	-6.91-5.63	-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	-2.71-0.84	-0.69-1.09	-1.57-1.72	-1.96-3.27	-4.44-2.87
Theta (52.5°)	-4.26-1.48	-3.74-4.45	-5.34-6.24	-6.21-8.5	-9.37-11.9	-11.03-10.68	-10.12-8.07	-5.49-4.68	-5.65-6.64	-6.79-4.62	-4.38-5.6	-3.15-2.55	-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	-0.43-2.24	-0.82-0.56	-0.19-0.76	-1.15-2.98	-2.71-6.33
Theta (60°)	-0.04-1.5	-2.11-2.54	-5.09-5.56	-4.86-5.85	-11.92-12.56	-4.96-10.15	-12.71-11.21	-9.45-8.03	-6.68-1.4	-6.87-5.57	-5.53-3.74	-3.48-1.08	-2.08-0.23	0.22-0.81	-1.87-1.62	-1.21-0.62	-0.42-0.03	-0.28-2.11	-0.88-0.15	0.07-1.0	-0.77-0.18	-1.30-2.74	-1.67-4.0	-7.02-22
Theta (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	-11.51-11.02	-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	-0.01-1.61	1.930-72	0.290-37	2.190-96	0.612-5	1.891-86	2.281-91	-0.44-1.42
Theta (75°)	-1.69-3.56	-2.14-4.04	-4.24-4.06	-4.28-4.69	-6.83-5.87	-8.77-10.4	-10.71-9.73	-7.16-5.53	-4.76-5.74	-6.29-5.71	-1.51-1.51	-0.66-0.19	-0.82-0.01	-0.53-0.71	-2.42-2.76	-3.97-1.42	0.39-0.57	0.981-43	3.271-92	2.461-87	1.241-17	0.031-34	-1.51-1.83	-1.43-1.22
Theta (82.5°)	-0.85-4.56	-2.05-6.36	-4.09-6.16	-7.04-8.91	-7.32-5.25	-8.47-9.8	-8.78-9.31	-12.33-5.56	-5.45-5.77	-4.92-3.13	-5.38-3.25	-2.72-2.07	-1.04-0.69	-0.68-1.21	-0.30-4.9	-0.28-1.21	1.631-08	1.410-03	3.82-08	0.950-39	-0.310-97	-1.92-0.78	-1.52-0.78	-1.92-0.78
Theta (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	3.891-13	2.881-91	1.52-55	0.250-83	-1.56-1.87
Theta (97.5°)	-3.07-3.34	-4.11-5.49	-5.6-9.2	-10.23-7.71	-5.47-5.53	-7.53-7.77	-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
Theta (105°)	-2.71-3.61	-2.93-4.12	-4.97-9.91	-7.37-10.62	-7.23-6.25	-5.57-3.1	-8.31-10.65	-9.17-7.4	-4.96-4.87	-4.13-4.42	-3.33-2.68	-1.53-1.83	-1.98-0.88	0.16-0.82	-0.6-1.37	-1.44-1	2.290-08	1.583-22	4.663-4	1.771-04	3.170-3	-2.52-18	0.673-49	-0.91-1.9
Theta (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
Theta (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
Theta (127.5°)	-5.71-5.47	-5.78-7.46	-4.25-5.23	-6.04-7.82	-8.91-9.14	-10.09-9.43	-8.3-7.73	-7.97-9.18	-8.88-6.96	-5.31-5.62	-4.07-4.32	-3.06-4.17	-3.02-1.39	-0.270-38	0.98-1.12	0.620-44	-3.72-1.33	0.1-1.71	0.350-03	1.271-84	-1.26-2.97	-0.40-2.31	-0.22-3.39	-2.74-2.27
Theta (135°)	-6.08-7.45	-6.3-6.59	-6.97-8.27	-9.45-9.78	-10.13-10.81	-10.06-9.66	-10.66-11.1	-9.06-7.18	-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	-4.64-5.58	-1.47-1.98	-1.981-65	0.01-5.9	-3.67-7.66	-1.52-0.51	-0.9-3.87	-6.81-9.47
Theta (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	-2.72-2.64	-5.29-0.98	-4.98-5.73	-3.57-1.58	-2.52-3.99
Theta (150°)	-3.19-3.77	-4.93-6.04	-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	-6.53-7.33	-5.77-5.44	-4.39-2.55	-1.24-1.97	-3.61-6.69	-6.84-3.88	-3.08-2.63	-3.99-3.8	-3.99-3.8
Theta (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
Theta (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	-3.93-3.58	-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		



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

Appendix B

Theta	9.011-8.93	-7.781-7.56	-7.461-7.02	-7.411-8.37	-8.621-7.25	-6.51-6.07	-5.911-6.36	-7.271-8.12	-7.461-6.11	-4.1-3.21	-3.551-4.96	-6.21-6.04	-5.331-4.26	-3.421-3.12	-2.721-1.66	-1.561-2.64	-2.651-2.78	-2.611-1.12	-0.110-0.3	-0.661-2.06	-4.981-6.24	-5.431-5.89	-7.061-8.49	-9.881-9.71
Theta(157.5)	-10.121-10.05	-10.461-11.22	-10.461-10.69	-8.621-7.07	-6.011-5.76	-5.791-6.74	-7.711-9.4	-10.281-9.96	-8.941-8.18	-7.111-6.29	-6.041-5.65	-5.211-5.15	-5.491-5.64	-5.151-4.96	-4.681-4.23	-3.381-2.44	-2.111-2.34	-2.311-1.82	-1.121-1.22	-1.341-2.31	-3.911-5.66	-7.651-10.32	-11.071-11.69	-11.811-10.26
Theta(172.5)	-8.741-8.73	-8.731-8.05	-6.751-6.81	-6.781-7.06	-6.991-7.31	-7.631-7.47	-7.721-7.22	-6.971-6.63	-5.991-5.82	-5.931-6.77	-7.781-9.55	-10.261-11.16	-7.711-9.32	-7.711-6.69	-6.761-6.54	-6.671-5.94	-5.241-4.82	-4.851-4.87	-5.031-5.37	-6.391-5.97	-8.371-9.85	-12.151-11.97	-12.711-11.72	-14.711-9.82
Theta(180)	-7.971-8.01	-6.421-5.43	-5.141-4.85	-4.851-4.99	-5.031-5.07	-5.371-5.59	-5.81-6.25	-6.411-6.42	-6.431-6.17	-6.161-6.33	-6.411-6.11	-6.051-6.3	-6.711-6.32	-6.381-5.96	-5.591-5.06	-4.871-4.48	-4.681-4.93	-5.151-5.11	-5.41-6.09	-6.841-6.04	-9.361-9.84	-10.931-11.89	-10.021-8.55	-8.311-8.58
Freq(Hz)	6.695GPol.	Theta1	Phi1	Phi2	Phi3	Phi4	Phi5	Phi6	Phi7	Phi8	Phi9	Phi10	Phi11	Phi12	Phi13	Phi14	Phi15	Phi16	Phi17	Phi18	Phi19	Phi20	Phi21	Phi22
DG(dB)	Phi(0)/Phi(7.5)	Phi(15)/Phi(22.5)	Phi(30)/Phi(37.5)	Phi(45)/Phi(52.5)	Phi(60)/Phi(67.5)	Phi(75)/Phi(82.5)	Phi(90)/Phi(97.5)	Phi(105)/Phi(112.5)	Phi(120)/Phi(127.5)	Phi(135)/Phi(142.5)	Phi(150)/Phi(157.5)	Phi(165)/Phi(172.5)	Phi(180)/Phi(187.5)	Phi(195)/Phi(202.5)	Phi(210)/Phi(217.5)	Phi(225)/Phi(232.5)	Phi(240)/Phi(247.5)	Phi(255)/Phi(262.5)	Phi(270)/Phi(277.5)	Phi(285)/Phi(292.5)	Phi(300)/Phi(307.5)	Phi(315)/Phi(322.5)	Phi(330)/Phi(337.5)	Phi(345)/Phi(352.5)
Theta(0)	-9.911-11.08	-9.791-9.86	-9.081-8.09	-8.211-2.23	-6.61-6.11	-5.611-4.82	-4.331-3.86	-3.721-3.79	-3.541-3.69	-3.971-4.6	-5.351-6.15	-7.021-8.07	-9.391-10.46	-11.591-11.66	-10.561-9.34	-8.221-7.01	-6.121-5.72	-5.381-4.49	-4.321-3.78	-3.411-3.15	-2.991-3.33	-3.751-3.71	-4.451-6.4	-7.181-7.7
Theta(7.5)	-7.971-8.92	-8.551-9.28	-7.841-6.61	-6.661-6.46	-6.261-6.12	-5.471-5.29	-4.291-3.52	-3.181-2.97	-2.761-2.69	-2.731-3.04	-3.231-3.76	-4.291-3.59	-5.611-6.75	-6.961-8.9	-10.061-7.9	-6.741-5.73	-5.381-5.3	-5.561-5	-4.571-4.01	-3.761-3.32	-3.131-3.99	-4.161-3.41	-3.591-5.16	-6.151-7.67
Theta(15)	-5.251-3.04	-4.221-5.79	-7.1-7.72	-7.31-7.83	-7.991-7.39	-6.781-6.1	-5.851-5.61	-5.261-4.34	-3.561-2.74	-2.591-2.94	-3.611-4.06	-4.771-5.56	-6.191-6.67	-6.731-6.83	-7.461-6.39	-5.311-4.31	-3.971-3.88	-4-3.85	-3.581-3.38	-3.471-3.59	-3.621-3.72	-2.681-1.74	-1.321-1.2	-2.191-2.8
Theta(22.5)	-1.641-2.07	-3.161-4.2	-5.21-5.66	-7.231-6.84	-9.071-8.75	-8.611-7.85	-5.971-3.96	-3.631-4.46	-5.431-5.51	-6.11-6.72	-5.91-5.28	-5.71-5.26	-7.881-8.46	-6.441-4.93	-5.21-6.09	-6.51-6.43	-6.831-5.54	-3.71-3.27	-3.391-3.63	-3.81-3.7	-3.821-3.38	-2.181-2.11	-2.511-2.16	-2.361-1.54
Theta(30)	-4.081-4.66	-5.711-5.89	-4.971-5.33	-7.051-6.03	-8.491-9.51	-10.231-9.66	-8.341-6.76	-5.611-4.96	-4.791-4.76	-4.671-4.57	-4.311-5.08	-5.941-6.26	-8.511-9.25	-9.81-8.54	-6.721-7.34	-7.251-6.02	-4.971-3.54	-2.941-2.96	-3.031-3.33	-3.071-2.55	-2.241-2.04	-1.491-2	-2.621-5.05	-5.081-3.62
Theta(37.5)	-6.221-5.05	-4.421-4.31	-3.941-3.95	-5.351-5.56	-8.351-9.39	-8.571-9.55	-6.911-6.45	-7.061-6.41	-5.491-5.36	-5.041-4.3	-4.651-5.04	-5.311-6.29	-8.581-11.2	-9.141-6.58	-5.821-5.2	-4.941-5	-5.061-3.2	-1.911-1.88	-3.541-2.28	-4.691-4.09	-4.531-5.99	-5.791-6.79	-5.081-3.62	
Theta(45)	-6.361-5.98	-4.411-4.68	-5.341-6.61	-6.251-5.77	-7.981-10.73	-9.51-7.5	-7.81-7.63	-5.411-6.18	-6.331-5.57	-6.21-5.4	-4.341-4.98	-4.051-3.93	-6.041-6.87	-4.281-4.03	-5.181-5.67	-4.971-4.26	-4.671-5.09	-4.281-3.67	-4.41-3.02	-2.721-2.44	-5.391-4.41	-5.011-3.93	-2.911-3.2	-4.711-3.2
Theta(52.5)	-0.731-3.91	-4.371-3.98	-4.721-5.94	-7.81-9.14	-10.241-10.21	-10.421-10.6	-7.431-7.53	-8.71-7.68	-6.631-5.59	-4.641-3.81	-2.311-2.76	-4.431-4.35	-5.71-5.6	-2.81-2.43	-4.11-3.3	-4.11-3.3	-3.981-3.77	-2.411-2.79	-2.781-1.68	-0.971-0.94	-1.811-2.91	-1.061-0.9	-0.911-0.14	
Theta(60)	-1.731-3.93	-3.961-2.96	-3.671-3.48	-4.51-4.98	-10.171-6.7	-8.381-12.15	-8.151-5.55	-6.841-6.72	-6.421-7.73	-6.971-4.48	-3.431-1.17	-2.571-0.59	-1.111-1.89	-0.141-0.26	-1.151-3.84	-2.841-0.67	-0.081-0.06	0.021-1.28	-1.5701-2	-0.861-1.21	0.3101-4.2	0.9601-0.5	0.071-0.96	-2.241-1.25
Theta(67.5)	-0.961-2.28	-1.391-1.94	-3.11-3.4	-6.061-7.31	-6.691-9.62	-12.921-12.74	-10.711-8.42	-6.171-6.68	-6.981-9.84	-6.411-5.53	-6.071-4.13	-4.021-3.97	-3.231-2.77	-1.611-1.7	-1.21-2.82	-4.41-3.31	-1.651-0.44	-0.071-2.24	-1.311-1.48	0.351-0.31	1.161-0.39	-1.311-0.29	1.1911-1.7	-0.851-1.79
Theta(75)	-3.081-4.69	-3.891-3.14	-4.091-3.35	-5.851-5.4	-7.91-7.06	-10.371-10.1	-9.731-9.71	-8.471-8.24	-6.411-5.34	-5.211-4.9	-4.51-2.81	-3.121-3.21	-1.621-1.11	-0.291-1.98	-1.551-0.6	-0.501-0.51	-1.021-1.97	-1.511-0.75	1.1601-7.3	1.931	0.451-0.6	-0.711-0.14	-2.861-1.92	
Theta(82.5)	-1.761-2.39	-3.261-1.89	-2.611-4.89	-6.081-2.86	-5.021-7.08	-6.981-6.71	-8.641-7.59	-4.611-8.41	-5.811-3.65	-6.471-5.6	-2.711-2.15	-1.611-0.23	-0.201-1.15	-1.611-1.94	-0.261-0.99	-0.591-1.48	-1.091-1.48	-2.051-2.5	1.1711-9	2.201-4.5	0.311-0.7	1.9511-7	0.441-1.3	
Theta(90)	-0.821-2.1	-3.191-4.59	-3.591-5.02	-6.331-7.38	-8.781-6	-7.231-10.17	-11.591-9.95	-5.021-8.54	-7.191-4.9	-4.081-4.62	-3.221-4.9	-1.741-3.36	-1.021-0.93	-0.351-1.3	-0.7811.18	-1.341-2.63	-0.651-0.31	-0.271-1.07	-4.071-0.66	2.521-0.69	1.8411-05	1.5711-05	-0.341-0.21	-1.351-0.08
Theta(97.5)	-2.731-1.7	-3.41-5.3	-4.741-4.83	-7.111-8.9	-10.011-6.84	-5.11-7.1	-9.761-7.7	-9.221-8.53	-6.491-3.59	-4.221-5.33	-2.811-2.56	-1.621-2.94	-0.791-1.25	-0.521-3.1	-1.091-4.82	-1.311-0.7	-0.731-0.06	-1.2811.33	2.491-0.2	2.2211-45	0.9211-27	0.281-0.2	-1.111-3.2	
Theta(105)	-1.671-4.59	-3.611-5.77	-4.711-6.12	-8.251-8.11	-9.161-8.29	-4.991-7.04	-9.131-10.17	-9.541-7.69	-6.181-5.24	-3.341-4.2	-4.551-3.39	-0.911-1.5	-1.871-1.64	-1.211-2.76	-2.031-1.7	-3.231-1.39	-0.911-1.23	-2.051-2.5	1.1811-261	-1.451-0.21	-1.451-0.21	-1.21-0.84	-0.441-1.3	
Theta(112.5)	-3.391-5.83	-4.31-5.93	-5.231-6.94	-9.441-6.73	-6.651-9.11	-8.221-8.23	-9.421-9.96	-8.741-7.98	-7.31-6.98	-7.111-6.3	-5.571-4.64	-3.041-2.9	-2.241-1.25	-1.611-3.34	-1.291-1.59	-4.411-1.37	-2.231-2.83	-0.521-0.82	-3.1101-43	1.981-0.4	0.961-2.97	-0.231-3.6	-0.741-3.27	-2.121-5.54
Theta(120)	-3.441-3.11	-5.1-5.88	-7.911-7.03	-7.981-9.96	-9.731-9.7	-9.081-8.6	-9.161-9.19	-9.211-10.07	-8.621-7.9	-7.751-7.87	-7.911-6.71	-4.341-2.67	-2.551-2.53	-0.071-0.78	-4.021-3	-0.211-3.27	-0.031-1.3	-0.511-1	1.311-1.8	1.3611-51	0.311-0.4	-0.391-2.04	0.171-3.7	
Theta(127.5)	-1.211-3.31	-4.041-3.31	-4.651-5.81	-4.661-5.27	-7.271-6.79	-8.121-4.7	-10.271-7.33	-10.371-7.33	-6.451-5.93	-4.521-6.14	-4.521-6.14	-4.521-6.14	-4.521-6.14	-4.521-6.14	-4.521-6.14	-4.521-6.14	-4.521-6.14	-4.521-6.14	-4.521-6.14	-4.521-6.14	-4.521-6.14	-4.521-6.14	-4.521-6.14	-4.521-6.14
Theta(135)	-4.331-5.76	-6.811-6.25	-4.881-5.34	-7.981-9.48	-7.531-7.18	-7.21-7.87	-8.641-7.58	-7.41-6.18	-7.381-8.83	-6.691-4.38	-3.541-2.86	-3.821-4.85	-4.411-3.02	-2.011-1.65	-1.111-2.41	-2.531-3.97	-7.21-4.79	-1.411-0.3	-0.21-2.04	-2.981-4.69	-1.791-2.4	-4.91-3.26	-3.161-4.21	-4.141-3.67
Theta(142.5)	-3.841-4.97	-7.121-3.88	-8.311-8.76	-8.391-8.64	-9.291-11.43	-10.831-10.41	-10.721-8.45	-6.511-5.36	-5.471-5.5	-3.831-3.56	-3.471-4.4	-4.161-2.49	-4.131-3.86	-2.541-2.63	-3.411-0.5	-5.131-3.28	-3.981-3.72	-1.181-1.22	-2.941-3.33	-2.151-6.39	-3.981-3.72	-5.681-5.53	-3.661-6.22	-3.751-3.4
Theta(150)	-6.321-6.21	-6.081-7.03	-6.611-6.89	-7.231-7.71	-9.051-8.99	-4.931-9.87	-10.951-9.01	-8.431-7.13	-4.671-9.66	-4.791-4.47	-5.871-3.51	-4.331-4.66	-4.861-4.73	-6.081-6.51	-7.911-5.29	-2.251-0.58	-2.891-3.67	-2.841-2.01	-3.721-4.3	-1.711-0.58	-0.321-2.7	-5.141-5.52		
Theta(157.5)	-7.761-9.61	-9.031-8.52	-7.281-7.47	-7.461-7.93	-9.731-10.19	-9.721-9.92	-10.21-10.4	-9.881-8.38	-6.631-4.55	-2.421-1.61	-2-1.34	-4.571-5.08	-5.121-5.76	-5.291-5.17	-5.341-5.85	-6.621-7.17	-6.61-5.05	-3.451-2.62	-2.751-2.32	-1.071-1.02	-2.551-3.96	-4.881-5.05	-5.451-7.33	-8.531-7.02
Theta(165)	-7.331-6	-6.221-5.83	-5.811-6.49	-7.271-6.67	-7.541-8.43	-9.521-11.27	-11.041-11.14	-12.211-12.46	-11.331-9.52	-7.11-5.57	-4.621-4.76	-5.511-6.84	-6.751-6.82	-6.481-6.71	-6.171-5.22	-4.341-4.3	-4.551-4.47	-3.791-3.66	-4.191-4.28	-3.851-3.18	-2.821-3.92	-6.041-8.29	-8.821-9.38	-8.261-8.9
Theta(172.5)	-10.461-12	-12.021-11.01	-8.661-7.42	-7.531-8.31	-8.671-9.38	-10.341-11.15	-12.181-11.16	-9.991-8.52	-7.581-6.34	-5.481-5.62	-5.831-6.5	-6.421-6.94	-6.431-6.55	-4.911-4.83	-4.591-3.99	-3.981-4.7	-4.241-3.22	-4.591-3.93	-3.981-4.7	-4.351-5.18	-6.661-7.61	-8.171-8.52	-8.661-9.95	
Theta(180)	-8.131-7.41	-7.391-6.71	-6.271-5.67	-6.411-6.89	-7.371-6.72	-7.111-7.16	-6.781-6.45	-6.571-6.92	-6.791-6.51	-6.11-6.09	-6.161-5.99	-5.881-5.78	-6.821-6.17	-6.481-6.33	-6.51-6.83	-5.921-6.05	-6.31-6.57	-7.071-6.96	-7.151-6.79	-7.141-7.35	-6.671-8.13	-9.191-10.15	-11.521-11.27	-10.491-9.61
Freq(Hz)	6.695GPol.	Phi1	Phi2	Phi3	Phi4	Phi5	Phi6	Phi7	Phi8	Phi9	Phi10	Phi11	Phi12	Phi13	Phi1									



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

Appendix B

Frequency	Phi=0	Phi=15	Phi=30	Phi=45	Phi=60	Phi=75	Phi=90	Phi=105	Phi=120	Phi=135	Phi=150	Phi=165	Phi=180	Phi=195	Phi=210	Phi=225	Phi=240	Phi=255	Phi=270	Phi=285	Phi=300	Phi=315	Phi=330	Phi=345	
Theta(22.5)	-3.21/4.08	-5.94/6.86	-7.2/6.97	-7.33/6.36	-6.55/6.03	-5.71/4.99	-3.73/2.66	-2.55/2.77	-2.79/2.67	-3.1/3.87	-4.41/4.7	-5.5/5.93	-6.9/7.27	-6.15/2.22	-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	
Theta(30)	-4.46/5.88	-6.14/6.62	-6.14/5.81	-6.12/6.35	-6.61/7.35	-7.71/7.03	-6.34/5.44	-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	-3.32/3.29	-3.69/4.17	-5.28/7.2	-7.75/5.24	
Theta(37.5)	-4.91/4.58	-4.22/4.16	-4.44/6.7	-5.71/7.72	-6.11/8.02	-10.22/7.02	-6.49/5.42	-4.25/3.05	-2.11/2.36	-2.68/2.26	-2.72/3.11	-2.93/3.55	-5.17/7.63	-7.97/4.1	-6.19/4.33	-4.37/6.48	-6.13/5.31	-4.65/3.61	-3.56/4.3	-5.64/4.63	-3.73/3.43	-4.53/3.42	-5.05/6.79	-6.23/5.86	
Theta(45)	-5.72/5.58	-4.69/5.03	-5.36/6.71	-6.68/5.46	-6.3/8.02	-8.06/1.78	-7.37/6.34	-5.52/5.15	-4.53/4.28	-4.65/3.93	-3.54/3.71	-3.48/5.32	-5.17/6.89	-6.27/6.1	-6.92/6.19	-5.29/4.79	-6.19/5.74	-5.79/4.53	-6.15/4.59	-4.32/3.24	-5.58/4.83	-4.97/3.91	-4.14/3.08	-3.43/3.62	
Theta(52.5)	-1.27/3.59	-4.29/3.98	-4.83/5.38	-6.02/6.21	-6.12/5.98	-6.51/5.51	-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	-5.77/3.7	-2.79/4.83	-5.44/4.64	-2.77/2.99	-4.44/3.92	-4.44/3.92	-1.71/1.69	-2.26/2.63	-0.49/2.06	-0.69/1.07
Theta(60)	-3.02/4.48	-5.24/4.85	-4.81/3.83	-3.75/2.26	-4.48/2.92	-4.36/1.19	-5.66/5.37	-5.66/4.92	-5.78/5.55	-4.71/4.24	-3.07/1.35	-2.31/1.48	-1.96/0.323	-2.07/1.96	-2.21/4.81	-4.27/2.01	-1.79/2.32	-1.83/2.73	-2.29/0.83	-2.29/1.69	-0.16/0.52	-3.0/1.07	-0.38/1.67	-2.84/2.7	
Theta(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	0.020/39	-1.45/2.58	
Theta(75)	-3.3/4.44	-3.68/3.18	-4.05/2.54	-6.54/5.62	-6.31/8.01	-7.26/4.2	-4.31/4.3	-4.09/5.87	-4.86/5.3	-6.4/8.8	-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	
Theta(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	-1.97/1.23	-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	0.04/1.26	0.97/1.15	-1.34/1.21	
Theta(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	-1.71/0.93	-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	
Theta(97.5)	-2.59/2.55	-1.88/2.32	-1.98/2.32	-4.66/6.94	-6.89/5.65	-4.07/5.69	-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	-1.75/0.09	-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	
Theta(105)	-2.03/4.74	-3.6/5.24	-3.31/4.43	-5.95/6.02	-4.13/7.74	-3.19/7.35	-4.30/7.54	-7.39/9.76	-10.88/8.77	-5.44/4.26	-3.93/4.68	-4.68/3.95	-1.87/2.97	-2.02/2.26	-1.77/3.57	-2.38/1.22	-2.47/1.34	-1/1.63	-1.44/0.13	0.61/1.69	0.31/3.63	-2.7/3.02	1.06/0.76	-1.12/1.27	
Theta(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	
Theta(120)	-3.14/4.15	-3.43/3.75	-6.05/6.13	-7.76/7.76	-4.79/3.91	-6.77/8.51	-9.37/6.98	-6.77/8.51	-6.53/7.27	-6.87/6.86	-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	-0.65/3.73	-0.88/3.29	-1.27/0.54		
Theta(127.5)	-4.5/4.47	-5.47/4.12	-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	-2.1/4.14	-1.09/1.75	-2.32/1.57	-4.15/4.43	-0.13/0.09	-2.31/3.17	-3.49/2.79	-4.99/3.09	-2.43/6.63	-2.99/4.21		
Theta(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	
Theta(142.5)	-5.43/6.13	-7.09/7.4	-7.88/8.1	-7.89/8	-8.78/10.8	-10.22/8.88	-7.49/5.27	-3.85/5.38	-5.33/3.99	-4.08/4.41	-3.83/4.58	-4.13/3.34	-3.25/3.72	-1.98/2.21	-3.33/4.04	-5.1/6.06	-4.47/5.54	-2.23/3.06	-5.66/7	-5.95/5.22	-6.27/3.57	-4.3/4.47	-5.74/5.54		
Theta(150)	-4.67/4.52	-4.64/5.77	-5.76/5.52	-7.3/7.48	-9.17/9.46	-9.27/10.49	-10.97/9.13	-4.71/8.99	-5.57/3.67	-3.2/96	-3.61/3.93	-3.65/3.36	-3.23/4.72	-3.44/4.18	-5.2/5.74	-6.97/9.98	-4.77/5.48	-4.04/2.78	-4.41/7.24	-7.69/5.65	-6.07/4.72	-5.77/3.52	-2.98/1.57	-5.49/5.69	
Theta(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	
Theta(165)	-4.09/3.36	-3.97/4.2	-5.12/5.54	-7.65/7.91	-9.06/11.16	-12.12/12.4	-10.91/10.7	-10.61/10.3	-9.68/6.63	-7.96/6.04	-7.89/6.29	-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	
Theta(172.5)	-10.78/11.82	-11.6/10.24	-8.1/6.64	-6.69/7.43	-8.41/9.2	-9.72/10.01	-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	-6.88/6.6	-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		
Theta(180)	-6.4/5.76	-6.76/5.27	-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	-8.49/7.45	
Phi(0)	Phi(0)	Phi(15)	Phi(30)	Phi(45)	Phi(60)	Phi(75)	Phi(90)	Phi(105)	Phi(120)	Phi(135)	Phi(150)	Phi(165)	Phi(180)	Phi(195)	Phi(210)	Phi(225)	Phi(240)	Phi(255)	Phi(270)	Phi(285)	Phi(300)	Phi(315)	Phi(330)	Phi(345)	
Theta(0)	-2.82/3.3	-2.82/2.86	-2.78/3.35	-3.71/4.37	-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	
Theta(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	-6.23/5.36	-4.21/3.32	-2.28/2.41	-2.33/2.42	-2.58/2.82	-2.91/2.93	-3.22/3.05	-3.24/3.94	-4.23/4.94	-6.32/8.33	-7.02/11.6	-12.37/11.86	-9.66/8.13	-6.51/5.59	-4.97/4.85	
Theta(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	-5.48/5.52	-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	-3.34/3.44	-3.43/3.47	-4.1/4.92	-5.69/6.56	-7.08/7.67	-8.36/7.75	-6.57/5.95	-5.21/5.44	-5.68/5.35	
Theta(22.5)	-4.59/3.4	-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	
Theta(30)	-3.78/3.43	-2.56/2.23	-2.27/1.87	-2.44/2.06	-1.71/2.05	-2.56/2.24	-1.75/1.67	-1.94/2.29	-2.72/3.29	-4.59/5.42	-5.38/5.44	-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	-5.64/3.41	
Theta(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	-1.85/0.26	0.43/1.47	-2.82/2.67	-1.61/1.62	-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	
Theta(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	-1.32/0.29	-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	-0.52/1.24	-1.5/2.42	-4.17/4.79	-4.2/2.81	-1.09/1.41	
Theta(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	1.98/2.09	0.5/2.04	-2.47/2.98	-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	-1.07/0.96	-0.52/1.18	-1.69/1.66	-3.71/4.86	-4.83/5.09	-4.01/2.43	
Theta(60)	-0.1/0	-0.37/1.02	-0.63/0.04	-1.14/0.62	-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	-0.47/1.38	-3.47/4.27	-2.63/1.29	-2.52/4.35	-3.02/1.03	
Theta(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																			



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

Appendix B

Theta (deg)	-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	4.62/5.45	-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
Theta (52.5°)	-4.58/4.4	-3.49/3.13	-3.19/4	-4.68/4.34	-4.2/3.5	-2.14/2.29	-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	-1.31/3.26	-6.56/7.73	-5.86/5.07	-3.96/6.53	-5.84/5.44	-6.98/8.73	-8.54/8.32	-5.99/4.36
Theta (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	-1.48/0.02	0.49/0.99	-0.23/0.63	-1.01/0.01	-2.05/0.72	0.63/0.35	-1.35/2.14	-1.07/2.42	-3.25/6.75	-6.47/4.43	-5.96/6.83	-5.52/7.14	-11.58/10.74	-9.25/4.4			
Theta (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	-2.71/6.62	-6.26/6.86	-4.02/7.42	-6.92/3.73	-3.69/4.01	-4.38/4.36	-4.65/5.26
Theta (75°)	-6.48/4.65	-3.36/2.04	-1.86/1.82	-2.34/3.05	-3.21/1.35	-0.6/0.35	-0.39/0.83	-0.95/0.6	0.18/0.27	0.17/0.08	0.99/1.14	0.47/0.47	0.87/1.07	1.29/1.65	0.57/1.67	-5.97/6.72	-3.02/2.83	-5.93/7.77	-4.74/5.23	-2.74/6.14	-6.36/6.13	-3.99/4.25	-6.65/6.69	-6.59/4.42
Theta (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	-4.68/6.37	-1.07/2.05	-3.76/6.61	-4.29/3.56	-6.02/4.93	-3.48/3.39	-5.52/7.14	-11.58/10.74	-9.25/4.4
Theta (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
Theta (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	-2.08/1.42	-2.78/0.02	-2.13/5.83	-2.46/6.79	-7.24/5.35	-9.3/8.82	-8.29/4.59
Theta (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	-3.37/6.2	-8.78/4.03	-3.37/6.2	-8.78/4.03	-8.33/6.83	-5.73/4.04
Theta (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	-6.62/1.43	-2.59/5.22	-2.85/5.31	-11.03/3.96	-7.24/6.45	-4.94/4.94
Theta (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	-2.27/1.7	-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	-1.41/1.05	-3.43/5.08	-8.87/5.47	-4.28/2.64	-6.96/8.7
Theta (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	-2.51/1.77	-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	-1.26/2.79	-5.21/7.53	-9.91/7.77	-1.35/0.79	-2.44/1.14	-4.18/4.57	-8.67/6.01	-5.24/6.61	-4.69/4.81
Theta (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
Theta (142.5°)	-5.87/6.05	-5.92/7.88	-7.69/7.26	-7.18/7.83	-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	-4.09/3.55	-1.03/0.2	-1.04/0.75	-8.75/9.25	-6.3/6.75	-5.51/3.2	-3.4/3.9
Theta (150°)	-7.75/8.3	-8.13/7.89	-8.89/1.5	-9.31/8.94	-8.87/10.57	-11.23/10.35	-8.75/7.55	-5.89/3.91	-2.88/1.91	-1.04/0.59	-0.91/1.68	-2.4/2.36	-2.41/3.22	-3.35/2.28	-3.56/4.49	-6.11/6.06	-6.91/6.97	-5.4/5	-4.49/2.48	-1.74/3.2	-6.49/10.49	-9.28/6.16	-4.95/4.48	-5.98/7.1
Theta (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
Theta (165°)	-4.84/3.99	-3.85/4.81	-6.09/6.76	-7.44/7.15	-7.81/8.43	-11.12/11.92	-11.33/10.96	-9.32/7.66	-6.37/5.22	-5.45/5.03	-1.61/1.41	-1.55/1.16	-1.74/1.92	-1.93/2.37	-3.52/5.34	-6.9/7.64	-7.15/6.78	-6.08/4.72	-4.49/4.66	-8.28/10.02	-10.55/10.4	-7.99/5.45	-7.99/5.45	-7.99/5.45
Theta (172.5°)	-10.09/9.38	-8.49/7.19	-7.13/7.5	-7.95/8	-8.54/9.08	-10.36/10.71	-10.29/10.44	-10.25/9.23	-9.29/8.23	-6.55/5.53	-4.39/3.83	-3.53/3.42	-4.76/5.1	-5.39/5.57	-6.31/5.56	-7.16/6.26	-5.6/5.53	-5.61/5.15	-6.83/9.97	-9.61/11.38	-12.53/11.55	-10.68/11.17		
Theta (180°)	-9.2/7.69	-5.69/5.01	-4.94/5.65	-6.77/7.53	-8.79/8.38	-8.84/9.36	-9.29/8.85	-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)	Phi(0°)/Phi(7.5°)	Phi(15°)/Phi(22.5°)	Phi(30°)/Phi(37.5°)	Phi(45°)/Phi(52.5°)	Phi(60°)/Phi(67.5°)	Phi(75°)/Phi(82.5°)	Phi(90°)/Phi(97.5°)	Phi(105°)/Phi(112.5°)	Phi(120°)/Phi(127.5°)	Phi(135°)/Phi(142.5°)	Phi(150°)/Phi(157.5°)	Phi(165°)/Phi(172.5°)	Phi(180°)/Phi(187.5°)	Phi(195°)/Phi(202.5°)	Phi(210°)/Phi(217.5°)	Phi(225°)/Phi(232.5°)	Phi(240°)/Phi(247.5°)	Phi(255°)/Phi(262.5°)	Phi(270°)/Phi(277.5°)	Phi(285°)/Phi(292.5°)	Phi(300°)/Phi(307.5°)	Phi(315°)/Phi(322.5°)	Phi(330°)/Phi(337.5°)	Phi(345°)/Phi(352.5°)
Theta (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	-7.1/7.1	-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
Theta (7.5°)	-3.84/4.5	-5.15/5.67	-5.96/6.81	-7.31/7.37	-7.19/8.84	-8.7/8.84	-8.67/8.66	-7.91/8.17	-8.24/8.55	-8.75/9.08	-9.09/8.97	-8.67/8.83	-8.11/8.72	-7.8/7.24	-6.5/6.3	-5.32/6.11	-5.35/5.27	-5.67/6.03	-5.9/5.37	-5.5/5.17	-5.35/5.33	-5.21/5.02	-4.63/4.1	-3.66/3.75
Theta (15°)	-3.88/4.11	-4.61/5.02	-4.15/4.36	-3.81/3.93	-4.46/5.72	-5.88/6.19	-6.86/6.88	-6.62/6.57	-7.03/6.01	-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
Theta (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	-0.4/0.46	-1.09/1.69	-2.59/3.24	-3.74/4.66	-5.29/5.49	-5.01/4.66	-3.86/3.61	-3.37/3.34	-3.18/3.63
Theta (30°)	-2.89/2.46	-1.52/1.51	-2.53/3.67	-4.18/4.23	-3.79/3.85	-3.7/3.98	-3.92/4.18	-4.54/5.19	-7/7.39	-6.98/6.44	-5.72/4.06	-2.83/2.16	-1.74/1.32	-0.70/0.75	-0.05/0.01	-0.4/0.45	-0.76/0.59	-1.38/3.43	-5.07/5.03	-5.5/5.16	-5.45/4.83	-4.11/3.59	-3.1/2.21	-1.65/1.96
Theta (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
Theta (45°)	-4.72/6.26	-5.7/5.26	-4.18/6.56	-7.29/6.59	-4.02/3.65	-4.16/4.41	-3.91/3.18	-3.19/3.36	-3.4/3.89	-5.2/5.66	-6.86/6.35	-4.45/3.72	-2.85/2.72	0.89/1.69	1.53/1.29	1.44/1.23	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	-2.6/2.97
Theta (52.5°)	-2.78/3.92	-4.15/3.32	-1.8/3.42	-5.66/4.94	-2.84/2.31	-2.84/3.74	-3.55/3.06	-2.12/2.09	-2.77/4.06	-5.72/5.66	-5.23/4.37	-4.60/4.28	-5.15/2.46	-0.61/0.04	-0.71/0.37	1.85/3.19	4.15/3.93	3.53/0.05	2.41/1.95	1.46/0.61	-2.61/2.45	-2.51/4.02	-3.97/3.12	-2.92/2.51
Theta (60°)	-2.76/4.53	-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
Theta (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	-2.2/2.36	-3.24/2.64	-1.02/1.38
Theta (75°)	-2.31/2.35	-3.15/2.18	-2.88/3.19	-4.04/1.84	-1.18/1.8	-2.56/3.58	-3.88/4.31	-2.3/0.51	-2.54/4.62	-3.85/4.66	-4.26/4.49	-4.9/4.83	-4.62/6.62	-2.62/0.61	0.44/0.03	0.56/1.77	3.98/3.98	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
Theta (82.5°)	-3.41/3.1	-2.77/2.93	-3.1/2.4	-1.92/1.39	-1.66/2.66	-3.86/3.63	-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	-1.64/1.62			



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

Appendix B

θ (82.5°)	4.481-3.57	-3.631-2.77	-2.731-3.09	-4.031-1.47	-0.321-0.77	-1.211-0.05	-0.521-0.72	0.261-0.84	0.991-0.26	0.441-0.42	0.591-0.13	-0.731-1.52	-0.421-0.82	0.061-0.3	-0.91-2.48	-5.511-5.62	-5.21-3.31	-6.31-9	-5.711-6.12	-6.561-8.2	-5.561-7.74	-5.871-9.31	-4.651-6.03	-2.711-4.96
θ (90°)	-5.491-5.65	-5.391-6.57	-5.741-4.49	-3.861-3.99	-2.441-1.77	-2.861-1.81	-0.601-1.3	0.591-0.67	0.081-0.95	0.671-1.13	1.591-0.38	0.541-0.66	1.051-1.07	0.451-1.01	-1.091-1.26	-3.141-7.44	-5.21-3.27	-3.061-7.94	-9.191-3.12	-1.741-6.37	-3.921-5.65	-4.181-5.55	-10.691-9.88	-6.471-5.32
θ (97.5°)	-11.261-10.32	-9.31-6.1	-6.191-6.2	-4.671-3.19	-2.131-2.36	-4.711-3.47	-0.171-0.78	-0.611-1.15	-0.111-0.85	0.611-1.35	2.091-1	0.911-0.38	-0.551-0.64	-0.261-1.31	-1.241-0.79	-3.591-5.44	-3.911-3.46	-3.991-7.27	-6.041-2.91	-3.521-4.44	-4.181-9.94	-7.381-7.66	-10.761-11.93	-10.621-10.96
θ (105°)	-10.91-4.4	7.51-5.95	-4.081-7.27	-2.221-3.34	-2.411-3.9	-3.41-2.01	-0.171-0.77	-1.151-1.75	-0.951-0.7	0.571-0.6	0.041-0.36	1.301-3.9	0.021-1.9	-1.531-1.95	-1.961-2.29	-4.941-6.04	-4.091-3.74	-6.021-6.39	-5.171-2.85	-2.311-3.15	-5.181-9.22	-7.111-7.96	-6.461-9.27	-7.421-5.77
θ (112.5°)	-8.931-6.47	-6.271-4.92	-4.061-4.17	-3.491-4.08	-4.061-4.2	-3.631-2.94	-1.21-0.77	-1.071-1.6	-1.621-1.3	-1.731-2.7	-1.91-0.47	-0.241-0.93	-0.81-2.32	-2.231-2.15	-2.141-4.14	-7.011-8.42	-4.631-5.83	-7.691-7.36	-4.631-2.41	-6.311-5.19	-5.131-10.6	-8.31-7.9	-9.631-9.34	-7.821-6.67
θ (120°)	-7.731-5.31	-4.891-4.18	-3.181-3.5	-4.671-1.03	-6.941-5.82	-4.711-3.47	-2.191-2.05	-2.141-2.14	-2.941-4.5	-4.91-4.87	-4.241-3.94	-3.191-3.17	-2.681-1.66	-1.381-1.52	-1.261-1.73	-3.341-8.3	-4.781-5.43	-1.011-5.3	-4.721-2.58	-5.611-5.75	-3.411-8.88	-8.941-7.73	-10.471-6.79	-4.121-6.63
θ (127.5°)	-4.821-6.02	-3.731-3.62	-4.511-4.35	-3.811-5.41	-6.471-4.44	-3.91-4.88	-4.481-2.61	-2.631-2.74	-3.251-3.84	-3.281-4.15	-3.261-2.17	-1.931-2.32	-1.711-1.97	-1.441-1.4	-0.591-1.54	-4.461-6.5	-6.251-7.26	-10.471-5.56	-4.881-2.86	-5.591-5.43	-3.481-9.36	-10.191-10.33	-9.611-9.44	-5.591-4.16
θ (135°)	-6.641-7.25	-6.571-6.03	-5.681-5.55	-7.231-8.87	-8.051-7.78	-6.171-4.87	-3.761-1.96	-1.581-1.56	-1.941-2.56	-2.531-2.65	-2.571-2.44	-2.671-3.47	-3.461-2.76	-1.431-0.97	-0.691-2.54	-4.111-5.79	-5.791-5.44	-6.411-3.73	-2.781-4.5	-8.941-10.07	-4.521-6.4	-8.741-7.74	-6.451-8.14	-7.011-5.92
θ (142.5°)	-6.791-8.43	-9.551-9.26	-5.511-8.1	-8.361-8.65	-10.121-10.36	-6.981-5.38	-4.661-5.3	-4.511-2.89	-2.321-2.56	-2.281-1.96	-1.691-2.27	-4.061-3.73	-4.531-2.44	-3.051-2.86	-3.021-3.09	-5.541-7.3	-1.821-2.31	-3.91-4.8	-7.111-7.69	-4.651-7.52	-9.821-10.99	-8.121-6.15	-5.451-5.36	
θ (150°)	-8.451-9.08	-7.951-7.83	-7.861-8.03	-9.361-10.85	-11.471-10.71	-7.871-5.91	-5.661-6.06	-4.541-2.98	-21-1.89	-2.191-2.95	-3.391-3.63	-3.321-3.58	-4.561-4.76	-6.591-6.01	-5.91-6.3	-7.311-7.72	-9.771-6.12	-2.451-1.92	-4.061-4.34	-3.951-4.52	-5.651-6.91	-6.261-4.5	-3.411-4.17	-6.131-7.74
θ (157.5°)	-8.931-8.69	-8.711-9.38	-8.271-8.44	-8.921-8.57	-10.741-10.83	-8.651-7.84	-7.511-9.7	-7.911-1.73	-6.171-4.63	-2.941-2.41	-1.931-1.84	-1.921-1.17	-3.231-4.78	-3.711-4.32	-6.251-6	-6.51-7.18	-7.051-5.05	-3.591-3.63	-2.391-2.46	-3.551-5.75	-7.441-6.64	-6.071-6.7	-8.551-8.44	
θ (165°)	-8.061-7.65	-7.541-7.47	-7.531-7.22	-7.561-7.22	-10.691-8.28	-8.911-11.1	-11.411-10.57	-11.141-10.83	-9.371-7.83	-6.541-7.5	-3.491-2.99	-2.831-3.72	-4.421-4.98	-4.981-4.46	-3.471-2.57	-5.371-5.94	-5.081-4.49	-4.891-4.43	-3.881-3.59	-4.081-6.25	-8.461-10.61	-11.091-10.41	-9.231-8.64	
θ (172.5°)	-10.161-12.17	-11.761-10.89	-8.641-8.74	-8.931-8.87	-8.61-9.46	-10.871-11.64	-11.411-11.01	-10.031-8.89	-7.81-6.62	-5.781-4.69	-4.041-3.84	-3.791-3.86	-3.841-3.84	-3.71-3.42	-3.131-3.14	-3.471-4.4	-5.261-5.65	-6.481-6.84	-6.041-5.54	-5.341-5.17	-6.241-7.92	-9.91-9.63	-8.411-7.78	-8.081-8.65
θ (180°)	-6.691-6.26	-5.231-4.95	-4.751-5	-5.991-7.33	-7.911-8.6	-7.961-7.58	-6.831-6.38	-61-5.87	-5.411-4.83	-4.331-4.03	-3.891-3.75	-3.871-4.04	-4.171-4.37	-4.491-4.76	-4.921-5.3	-5.681-6.07	-6.471-6.67	-7.21-6.9	-6.851-6.64	-6.81-6.96	-7.711-8.25	-11.571-11.58	-10.261-8.05	
Freq(Hz)	6.995GPol.	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°)	-7.691-7.71	-6.651-6.07	-5.711-6.62	-6.931-6.74	-6.461-7.01	-6.821-7.99	-8.721-8.6	-8.971-9.07	-9.41-9.41	-9.961-9.96	-9.721-9.78	-9.21-8.72	-8.091-7.85	-7.221-7.06	-6.981-7.27	-6.341-5.78	-5.491-5.64	-5.911-5.99	-6.61-6.27	-6.511-7.28	-7.781-10.04	-10.871-10.62	-10.311-9.34	-8.371-8.3
θ (7.5°)	-1.011-6.89	-6.731-5.65	-5.541-5.49	-5.141-4.7	-4.291-4.26	-3.991-3.88	-4.041-4.43	-4.681-5.12	-5.671-7.1	-7.661-8.17	-8.361-9.16	-8.211-7.97	-7.741-8.1	-6.451-8.46	-9.011-8.8	-7.341-6.48	-6.231-6.49	-6.691-7.28	-8.031-9.54	-9.741-9.68	-10.521-10.59	-10.071-9.24	-8.141-7.75	-7.841-7.66
θ (15°)	-4.321-3.95	-4.141-4.54	-5.551-5.92	-6.091-6.38	-6.731-5.92	-5.991-5.01	-4.781-5.06	-5.711-5.99	-6.061-6.85	-8.51-8.34	-7.581-6.41	-5.141-4.4	-4.361-5.15	-5.461-5.86	-4.921-3.72	-2.491-1.83	-1.551-1.13	-1.181-1.72	-2.631-3.86	-4.931-6.1	-7.481-7.71	-7.481-7.88	-8.891-6.69	-6.391-5.15
θ (22.5°)	-2.261-2.06	-1.721-1.57	-1.11-1.22	-2.221-4.21	-5.851-6.41	-7.051-6.55	-5.311-5.99	-5.751-6.83	-7.851-8.2	-7.431-5.61	-4.761-3.66	-2.591-1.89	-1.811-1.91	-2.031-2	-1.121-2.07	-0.411-1.15	-1.5211-0.66	-1.281-2.03	-2.861-3.92	-4.561-5.2	-5.741-5.35	-3.431-3.16	-3.811-6.53	-5.131-3.77
θ (30°)	-5.171-4.87	-4.021-2.21	-1.311-1.25	-2.361-3.36	-4.521-5.92	-6.131-5.64	-5.91-5.83	-5.431-5.51	-5.831-4.54	-4.231-3.14	-3.291-3.1	-2.641-2.25	-1.451-1.36	-1.261-1.04	1.231-0.65	0.191-1.35	-1.781-2.25	-2.611-3.92	-4.671-5.02	-5.791-5.61	-3.671-3.13	-2.161-1.51	-2.361-1.48	
θ (37.5°)	-0.691-3.12	-4.011-3.09	-1.641-1.6	-2.41-2.44	-3.341-4.13	-4.811-4.6	-3.451-2.94	-3.951-5.73	-4.991-5.03	-5.131-4.6	-2.831-1.97	-1.991-1.3	-0.751-0.32	0.981-1.91	1.571-0.1	0.731-0.31	-0.111-0.46	0.161-0.48	-0.711-1.59	-1.891-1.91	-2.721-3.06	-2.221-2.24	-0.791-0.43	-0.131-0.06
θ (45°)	-1.931-2.51	-3.191-2.7	-2.311-1.83	-3.11-4.4	-4.341-3.74	-3.141-3.57	-2.731-2.63	-2.761-3.4	-3.351-3.08	-3.291-3.22	-1.711-1.26	-0.781-0.6	-0.521-0.8	0.7611-87	1.491-0.66	0.621-0.5	0.651-0.6	-2.791-1.92	-0.061-0.63	1.051-0.62	-0.381-0.43	-1.861-3.02	-1.641-2.21	0.431-0.22
θ (52.5°)	-3.841-3.74	-3.281-1.61	-1.741-1.83	-2.741-3.46	-1.181-1.92	-4.431-3.49	-2.381-2.92	-4.181-3.44	-3.711-2.84	-3.691-3.56	-3.281-4.4	-3.781-2.7	-2.031-2.26	1.131-0.94	0.031-0.68	2.681-3.28	1.931-1.39	0.4211-07	0.771-2.33	-2.221-1.06	-2.291-2.73	-2.921-3.76		
θ (60°)	-1.871-3.6	-4.631-4.4	-3.291-2.04	-1.451-2.05	-2.891-3.83	-2.431-3.34	-3.441-2.02	0.251-0.53	-3.981-4.41	-3.091-4.11	-4.511-4.33	-6.141-4.75	-3.961-5.2	-0.731-0.88	1.331-1.54	1.991-3.42	4.091-3.7	2.571-0.88	1.221-0.34	1.771-0.41	-2.51-1.45	0.211-0.26	-1.151-4.16	-3.211-1.67
θ (67.5°)	-1.271-0.47	-3.31-2.78	-2.261-1.73	-3.11-2.76	-2.31-2.52	-2.221-2.75	-0.811-2.21	-0.351-0.3	-0.121-3.59	-1.551-1.65	-3.511-0.99	-2.611-3.63	-1.381-2.99	-0.731-1.73	2.111-6	1.621-3.4	4.731-85	2.841-51	1.381-2.59	1.141-0.1	-2.461-0.47	1.611-0.99	-2.531-1.6	-3.361-2.26
θ (75°)	-3.241-4.53	-3.211-2.9	-2.311-2.29	-1.591-1.23	-2.881-3.64	-2.511-1.23	-2.831-2.43	-0.631-2.19	-1.711-2.29	-1.851-1	-2.391-4.35	-4.571-4.22	-1.851-2.62	1.851-0.66	1.011-2.4	-0.121-0.4	1.921-2.74	0.311-0.63	-0.951-1.35	-3.131-2.29	-1.411-0.51	-1.411-3.09	-2.541-3.5	
θ (82.5°)	-1.121-3.18	-2.051-1.13	-0.131-1.04	-21-2.55	-0.921-1.88	-1.471-1.22	-2.031-1.96	-1.771-1.48	-2.791-1.59	-1.91-0.94	-2.691-2.37	-4.991-4.49	-4.051-4.04	-2.181-1.1	1.711-3.6	-1.511-1.26	3.091-2.57	301-94	2.141-1.11	-1.581-2.63	-0.531-0.4	-1.591-1.52	-3.641-4.34	-1.771-1.28
θ (90°)	-1.991-2.27	-2.011-2.78	-2.781-2.28	-0.731-1.43	-2.361-1.85	-2.091-3.14	-4.051-4.82	-2.871-5.5	-3.151-2.82	-2.821-2.64	-4.341-4.6	-3.081-3.92	-2.511-2.47	0.981-0.92	2.511-2.2	2.811-1.07	1.261-2.42	1.211-3.5	-0.431-1.79	-0.891-0.92	-1.451-2.05	-1.121-1.02		
θ (97.5°)	-4.721-3.46	-3.441-6.68	-4.671-1.62	-2.21-2.94	-2.661-3.03	-3.611-2.33	-4.261-3.72	-5.641-9.24	-8.751-8.88	-6.461-6.1	-5.91-5.28	-4.081-3.12	-5.841-4.94	-3.421-3.39	-0.181-0.41	-2.801-69	1.581-77	1.931-1.73	1.291-0.48	0.011-0.69	-1.381-0.79	-0.451-4.33	-3.941-3.54	-1.281-2.67
θ (105°)	-6.321-4.49	-4.281-4.01	-1.151-1.02	-0.111-1.5	-2.51-5.97	-6.021-3.63	-4.721-5.35	-9.431-7.77	-6.811-6.49	-6.231-9.38	-7.221-5.11	-4.41-6.7	-4.851-3.97	-2.121-2.7	0.761-1.2	-1.581-1.27	1.181-2.0	1.491-0.5	0.851-1.5	1.651-1.82	-0.621-0.43	-0.221-5.77	-5.731-5.54	-4.401-3.97
θ (112.5°)	-4.221-4.11	-3.261-2.88	-3.321-3.49	-2.971-2.22	-2.711-4.2	-7.741-5.89	-4.791-5.2	-8.941-7.56	-5.591-3.78	-9.791-6.79	-6.191-6.29	-5.751-5.21	-5.971-3.31	-2.991-4.24	-0.261-0.53	-5.821-0.79	0.151-0.27	1.091-0.68	3.171-2.73	1.381-2.33	0.531-2.53	-0.31-2.4	-3.051-5.01	-4.171-4.6
θ (120°)	-6.051-4.84	-3.741-3.66	-3.051-4.29	-3.911-3.32	-5.781-5.48	-4.291-3.63	-4.461-5.79	-7.231-5.67	-8.641-9.56	-8.851-9.75	-101-9.76	-10.291-3.67	-6.331-4.9	-4.521-4.2	-0.111-1.2	0.651-1.21	1.821-2.5	-0.751-1.51	-2.91-4.73	-5.531-3.56	-2.451-4.58	-4.711-5.37		
θ (127.5°)	-7.691-4.94	-5.271-4.54	-4.011-4.12	-6.071-3.27	-3.461-4.88	-2.61-4.57	-4.521-5.33	-6.091-8.58	-7.691-7.02	-7.91-6.39	-8.241-1.39	-1.1751-7.2	-6.251-3.75											



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/-4.99	-7.32/-5.32	-3.03/-0.78	-4.35/-2.71	-4.45/-6.05	-11.11/-6.6	-9.61/-7.44	-9.61/-7.44	-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	-2.74/-2.59	-3.19/-2.35	-3.19/-2.35	-2.7/-5.32	-2.62/-2.01	-2.31/-12.54	-5.96/-6.8	-9.65/-7.65	-9.65/-7.65	-7.27/-8.41	-9.17/-6.6	
Θ(127.5°)	-5.51/-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	-1.57/-2.41	-2.16/-1.97	-1.82/-1.37	-1.71/-1.19	-1.62/-1.64	-1.89/-0.93	0.14/-0.27	-0.64/-1.3	-2.09/-3.19	-3.92/-6.93	-9.96/-7.9	-8.47/-3.7	-4.22/-5.5	-2.31/-11.74	-6.7/-8.7	-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/-3.19	-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/-6.04	-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/-5.34	-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/-4.1	-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/-6.7	-8.03/-6.47		
Θ(150°)	-6.61/-6.04	-5.73/-4.49	-5.09/-5.53	-5.79/-6.07	-6.9/-6.69	-6.43/-6.78	-8.02/-7.4	-5.82/-4.53	-3.65/-2.84	-2.61/-2.84	-2.46/-2.1	-2.64/-4.03	-3.99/-3.37	-4.05/-4.56	-2.65/-7.03	-6.99/-3.74	-5.57/-1.7	-8.44/-7.43	-6.69/-6.34	-9.13/-10.54	-9.89/-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	-9.17/-6.6	-7.49/-9.07	-10.98/-9.73	-8.61/-8.01	-6.78/-5.9	-6.06/-6.5		
Θ(165°)	-3.95/-3.33	-3.5/-4.29	-5.48/-5.89	-6.36/-6.88	-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/-6.43		
Θ(172.5°)	-7.64/-6.8	-5.81/-5.07	-4.9/-5.2	-5.44/-6.01	-6.72/-4.4	-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	-5.2/-4.79	-4.85/-5.31	-5.33/-5.26	-5.24/-5.38	-6.16/-7.31	-8.41/-8.61	-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	-8.7/8.5	-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(Hz)	6.475GPol.	PhiL	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DG(dB)	Φ(0°)Φ(7.5°)	Φ(15°)Φ(22.5°)	Φ(30°)Φ(37.5°)	Φ(45°)Φ(52.5°)	Φ(60°)Φ(67.5°)	Φ(75°)Φ(82.5°)	Φ(90°)Φ(97.5°)	Φ(105°)Φ(112.5°)	Φ(120°)Φ(127.5°)	Φ(135°)Φ(142.5°)	Φ(150°)Φ(157.5°)	Φ(165°)Φ(172.5°)	Φ(180°)Φ(187.5°)	Φ(195°)Φ(202.5°)	Φ(210°)Φ(217.5°)	Φ(225°)Φ(232.5°)	Φ(240°)Φ(247.5°)	Φ(255°)Φ(262.5°)	Φ(270°)Φ(277.5°)	Φ(285°)Φ(292.5°)	Φ(300°)Φ(307.5°)	Φ(315°)Φ(322.5°)	Φ(330°)Φ(337.5°)	Φ(345°)Φ(352.5°)		
Θ(0°)	-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/-6.64	-5.21/-4.94	-4.86/-4.99	-5.26/-5.22	-5.2/-5.11	-5.33/-5.61	-5.97/-6.21	-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	-7.16/-6.82	-6.96/-6.41	-6.27/-6.18	-6.56/-7.2	-7.54/-8.08	-8.11/-8.31	-8.4/-7.91	-6.9/-6.6	-5.5/-5.7	-5.46/-5.58	-5.94/-6.14	-5.81/-5.26	-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	-2.85/-2.96	-2.18/-2.19	-2.36/-2.61	-2.59/-3	-2.59/-3	-2.38/-2.42	-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	-4.54/-4.95	-4.52/-4.11	-3.44/-2.91	-2.16/-1.8	-1.73/-2.12		
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/-4.04	-3.88/-3.88	-3.63/-2.85	-2.38/-2.39	-2.52/-2.64	-2.45/-2.2	-2.53/-2.9	-3.13/-3.13	-3.73/-6.65	-4.78/-6.68	-7.41/-6.9	-6.76/-7.05	-7.81/-6.5	-6.69/-5.3	-3.65/-4.25	-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/-0.27	-0.14/-0.48	-2.28/-2.23	-2.8/-2.97	-2.29/-2.42	-3.34/-4	-3.88/-2.95	-2.72/-2.56	-1.87/-1.41	-2.26/-2.32	-1.78/-1.88	-2.42/-2.98	-4.07/-3.65	-3.69/-3.91	-4.24/-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	1.53/0.15	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	-2.18/-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	-0.36/0.53	0.9/0.55	-0.04/-0.03	-0.34/-0.58	-1.21/-1.85	-1.83/-1.91	-4.43/-4.82	-4.92/-4.59	-4.22/-5.57	-4.22/-2.94	-2.63/-2.35	-1.57/0.5	-0.38/0.79	-0.63/0.65	-2.51/-2.07	-1.25/-2.09	-2.99/-0.6	-1.39/-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	0.24/0.88	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/-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/-1.39	-1.71/-2.6	-3.68/-4.37	-5.64/-4.4	-3.75/-3.2	-1.78/-1.51	-0.74/0.74	-0.95/-1.25	-1.45/-2.06	-1.52/-2.52	-3.12/-3.92	-2.28/-1.81	-1.87/-2.72	-1.87/-2.72	-2.58/-1.6		
Θ(82.5°)	-2.13/-2.44	-2.03/-1.1	-0.22/0.48	1.15/1.36	1.84/1.21	0.08/0.06	0.48/0.47	0.55/0.19	-0.45/-2.1	-3.49/-4.31	-3.64/-3.93	-5.83/-6.18	-6.01/-5.4	-6.14/-5.4	-3.45/-4.52	-4.81/-3.58	-3.81/-3.54	-4.53/-3.88	-3.03/-3.25	-3.13/-2.75	-3.78/-2.76	-2.54/-2.77	-2.89/-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	0.81/1.5	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	-5.44/-7.8	-3.42/-4.78	-2.92/-3.25	-2.07/-2.03	-2.34/-5.1	-5.5/-5.24	-5.38/-4.74	-5.85/-3.6		
Θ(105°)	-4.39/-5.59	-4.28/-4.45	-4.34/-4.1	-2.14/0.74	-1.49/0.46	-0.73/2.31	-1.72/-1.43	-0.34/-1.25	-1.76/-2.53	-6.08/-5.18	-6.01/-5.4	-6.15/-5.88	-6.91/-7.38	-5.31/-6.59	-6.45/-7.9	-5.43/-7.7	-3.65/-2.27	-2.75/-2.59	-1.78/-3.62	-3.93/-3.25	-3.13/-2.75	-3.87/-2.76	-2.54/-2.77	-4.47/-4.98		
Θ(112.5°)	-5.14/-4.1	-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/-9.3	-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	-1.11/-1.31	-2.26/-1.74	-1.71/-3.68	-4.78/-5.12	-5.01/-5.75	-5.66/-6.07	-6.86/-7.52	-6.75/-9.2	-9.41/-8.17	-5.74/-6.28	-4.98/-3.94	-4.81/-4.37	-3.77/-6.63	-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/-4.29	-5.13/-4.29	-6.24/-6.68	-7.71/-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	-6.53/-6.21	-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	-7.36/-6.15	-5.26/-6.12	-6.52/-6.16	-5.75/-6.15	-5.79/-5.53	-5.58/-4.81	-6.84/-8.53	-8.14/-8.4	-5.22/-4.43	-2.73/-5.42	-5.45/-3.36	-7.72/-5.91	-3.25/-3.17	-3.82/-7.7		
Θ(142.5°)	-5.35/-5.51	-6.58/-4.89	-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	-7.61/7.01	-7.09/-7.87	-8.56/-8.95	-7.65/-6.49	-6.22/-6.88	-4.89/-4.31	-2.96/-2.76	-4.29/-4.89	-5.35/-4.14	-6.98/-6.06	-5.94/-6.51			
Θ(150°)	-8.18/-6.62	-6.67/-4.89	-4.06/-5.64	-7.84/-6.49	-5.41/-4.51	-3.37/-2.99	-2.71/-2.52	-2.72/-3.01	-3.31/-3.45	-3.9/-6.63	-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	-1.36/-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	-5.66/6.61	-7.58/6.81	-5.88/-5.01	-5.6/0.55	-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	-6.87/4.5	-7.58/7.79	-7.94/7.82	-6.64/5.5	-6.45/5.8		
Θ(172.5°)	-10.69/-11.68	-11.28/-12.07	-11.87/-11.02	-10.32/-8.82	-8.02/-7.7	-7.66/-7.39	-6.91/7.07																			



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

Appendix B

Theta (157.5°)	-3.96/3.78	-4.09/4.88	-5.24/6.39	-8.32/9.51	-11.35/12.6	-10.7/9.59	-8.59/9.34	-9.44/9.27	-7.64/6.07	-4.78/4.46	-3.92/3.74	-3.63/3.74	-4.85/6.45	-4.74/4.48	-5.37/5.28	-7.09/8.47	-8.04/6.1	-5.52/6.64	-7.93/9.22	-8.96/9.25	-8.82/9.15	-8.71/7.26	-6/4.81	-4.18/3.87
Theta (165°)	-4.59/4.54	-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	-4.49/4.09	-3.86/3.28	-1.52/1.54	-2.44/3.82	-5.25/5.74	-5.6/5.94	-7.64/9.99	-9.01/9.63	-10.45/10.09	-7.89/7.33	-7.29/6.48	-6.2/5.29
Theta (172.5°)	-10.46/-11.99	-11.36/9.95	-7.81/7.84	-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	-10.2/10.84	-11.18/11.24	-10.08/9.2	-8.09/7.42	-6.35/9.09
Theta (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.	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi
DG(dB)	Phi(157.5°)	Phi(157.5°)	Phi(30°)	Phi(45°)	Phi(60°)	Phi(75°)	Phi(90°)	Phi(105°)	Phi(120°)	Phi(135°)	Phi(150°)	Phi(165°)	Phi(180°)	Phi(195°)	Phi(210°)	Phi(225°)	Phi(240°)	Phi(255°)	Phi(270°)	Phi(285°)	Phi(300°)	Phi(315°)	Phi(330°)	Phi(345°)
Theta (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
Theta (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	-9/8.78	-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	-11.11/10.66	-8.62/7.68	-6.41/5.81	-5.65/5.84
Theta (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	-6.67/6.18	-10.14/10.04	-8.46/6.6	-5.02/4	-3.7/4.23	-4.49/5.13	-4.94/4.81	-4.5/4.32	-4.32/4.36	-4.74/5.15	-5.72/6.76	-7.86/8.45	-9.81/9.47	-8.53/8.17	-6.88/7.3	-7.36/5.77
Theta (22.5°)	-2.14/1.73	-1.78/1.94	-1.39/1.49	-2.05/3.3	-3.87/3.49	-4.15/4.49	-5.83/6.46	-7.07/7.3	-7.6/7.9	-8.7/8.21	-7.7/6.68	-5.18/3.73	-2.98/3.03	-3.23/3.24	-2.57/2.11	-2.06/2.73	-3.15/2.94	-3.5/2.55	-6.39/7.38	-7.65/7.74	-7.4/6.61	-4.81/4.18	-4.25/4.79	-4.83/3.48
Theta (30°)	-4.18/3.68	-2.59/1.84	-1.06/0.67	-1.27/1.58	-1.83/2.49	-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	-3.34/2.29	-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	-4.5/4.54	-3.67/2.61	-2.33/3.3
Theta (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	-1.50/0.9	-0.75/2.1	-2.43/0.27	-4.52/2.22	-4.54/3.41	-3.32/3.33	-3.06/2.87	-2.08/1.21	-1.77/3.29	-2.08/1.72	-3.07/2.34	-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
Theta (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	-6.03/11	-0.95/1.61	-1.39/2.2	-3.67/4.08	-2.87/1.69	-0.8/0.71
Theta (52.5°)	-5.59/3.92	-2.34/0.36	0.18/0.67	0.55/0.58	1.29/0.9	-0.69/0.66	1.24/0.63	1.24/0.63	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	-2.04/0.83	-1.06/1.16	-0.99/0.57	-1.05/2.66	-2.9/3.4	-4.63/3.44	-3.67/3.81
Theta (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	-2.04/0.83	-1.06/1.16	-0.99/0.57	-1.05/2.66	-2.9/3.4	-4.63/3.44	-3.67/3.81	-3.27/1.18
Theta (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	1.71/0.07	-2.6/3.43	-2.89/1.72	-1.53/3.59	-4.5/4.19	0.37/0.85	-2.49/3.79	-2.32/1.3
Theta (75°)	-2.44/2.49	-1.68/0.84	0.34/1.28	1.92/1.68	1.62/1.13	2.01/1.7	0.97/1.84	2.56/0.99	0.24/0.49	-0.56/0.45	-0.99/1.37	-1.47/1.35	-3.83/4.02	-1.71/2.03	-1.02/1.78	-2.19/2.44	-2.17/0.42	-0.95/4.4	-2.55/0.57	-2.77/0.47	-5.74/3.9	-1.98/2.18	-2.53/2.75	-2.81/2.24
Theta (82.5°)	-0.32/0.82	-0.58/2.25	3.38/0.99	2.82/2.7	2.51/1.28	2.14/2.02	1.76/1.88	2.01/1.23	-1.01/0.14	-0.55/0.94	-3.19/4.32	-5.99/5.69	-6.95/7.89	-6.49/5.43	-2.88/2.96	-5.47/1.15	-1.46/0.84	-0.98/0.59	-1.46/0.84	-2.63/1.27	-1.55/2.07	-3.83/3.48	-2.33/0.61	
Theta (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	-0.27/0.05	-2.62/2.29	-2.21/3.34	-2.68/3.67	-2.93/2.5	-2.55/0.91	-0.84/0.31
Theta (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	-3/4.78	-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
Theta (105°)	-3.5/2.76	-1.91/0.92	0.68/0.66	0.86/0.5	0.71/2.22	-1.85/0.13	0.71/0.26	-1.25/0.65	-1.21/1.15	-0.88/2.43	-3.1/3.69	-5.09/4.94	-7.21/6.98	-7.58/6.62	-4.71/3.7	-3.85/5.17	-3/3.85	-3.13/2.15	-2.83/2.94	-3.47/2.96	-2.85/4.5	-4.46/3	-3.94/3.48	
Theta (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
Theta (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	-4.47/5.94	-6.94/5.76	-7.09/7.59	-11.44/10.12	-10.51/8.47	-9.96/4.37	-5.83/6.22	-3.47/4.43	-2.84/2.78	-1.95/6.86	-7.2/4.54	-8.53/7.5	-4.47/5.72	
Theta (127.5°)	-8.15/8.47	-4.16/2.76	-1.84/1.35	-1.97/2.04	-0.43/2.11	-0.65/0.62	-0.46/0.43	-1.02/2	-1.75/1.79	-3.8/4.13	-7.11/10.93	-10.2/10.29	-9.18/8.01	-8.43/6.16	-6.59/4.59	-5.81/5.49	-2.13/3.14	-3.14/3.14	-2.39/3.69	-2.45/2.68	-6.51/4.45	-6.8/7.16	-7.87/7.18	
Theta (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	-8.4/6.68	-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
Theta (142.5°)	-3.34/2.68	-1.93/2.15	-2.4/1.99	-2.07/1.19	-1.64/2.54	-4.45/4.71	-1.96/1.09	-1.61/2.7	-2.4/0.97	-2.08/4.43	-5.35/4.88	-5.86/6.86	-8.98/9.86	-6.32/5.34	-6.09/5.8	-5.16/4.94	-4.02/4.65	-3.13/3.34	-1.51/3.61	-2.95/2.73	-4.22/2.78	-4.34/4.75	-3.75/1.85	-2.13/3.93
Theta (150°)	-6.33/4.91	-5.4/5.49	-7.37/9.45	-8.93/7.01	-5.02/3.46	-2.66/1.49	-0.46/0.89	-2.73/2.36	-2.07/1.94	-2.82/5.99	-6.33/4.75	-7.38/7.65	-7.59/6.15	-6.58/6.27	-5.21/6.63	-4.68/2.55	-1.61/2.32	-3.39/2.82	-2.64/4.79	-6.67/5.77	-1.77/6.94	-5.8/6.74		
Theta (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	-7.91/8.69	-9.66/8.74
Theta (165°)	-7.93/9.33	-8.86/8.37	-7.66/6	-3.77/3.24	-1.68/2.01	-2.72/0.99	-3.59/4	-4.61/5.74	-7.48/7.9	-7.17/5.76	-4.88/4.81	-5.29/6.07	-6.3/5.29	-4.68/3.36	-3.55/3.23	-3.78/5.08	-5.95/5.71	-5.36/3.45	-3.39/3.08	-3.47/4.61	-5.81/6.46	-6.49/6.68	-6.06/6.69	-5.96/6.48
Theta (172.5°)	-6.84/6.43	-6.23/6.55	-6.83/7.01	-7.04/7.65	-7.77/5.8	-7.2/7.05	-6.85/7.39	-6.67/6.76	-7.4/7.92	-8.57/9.72	-10.18/10.97	-11.09/10.99	-9.39/7.83	-6.13/4.66	-3.93/3.57	-3.78/3.97	-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
Theta (180°)	-7.15/6.84	-6.67/6.23	-5.14/4.37	-3.85/3.45	-3.57/4.07	-4.16/4.53	-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	-6.67/3.88	-8.41/9.6	-9.84/10.34	-10.15/9.83	-9.04/8.43	-7.78/7.27	
Freq(Hz)	6.995GPol.	Theta	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi
DG(dB)	Phi(157.5°)	Phi(157.5°)	Phi(30°)	Phi(45°)	Phi(60°)	Phi(75°)	Phi(90°)	Phi(105°)	Phi(120°)	Phi(135°)	Phi(150°)	Phi(165°)	Phi(180°)	Phi(195°)	Phi(210°)	Phi(225°)	Phi(240°)	Phi(255°)	Phi(270°)	Phi(285°)	Phi(300°)	Phi(315°)	Phi(330°)	Phi(345°)
Theta (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	-6.89/7.42	-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
Theta (7.5°)	-11.06/10.14	-11.69/11.51	-10.47/9.43	-8.29/8.11	-7.22/6.98	-6.95/7.2	-6.81/5.66	-4.69/3.65	-3.2/3.14	-3.25/3.66	-4.23/3.53	-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	-8.3/8.48	-10.81/10.71	-11.56/11.46
Theta (15°)	-4.46/5.87	-8.91/8.31	-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	-10.3/10.42	-10.43/10.82	-10.43/10.82	-9.74/7.36	-6.85/6.97	-7.36/7.58	-8.02/7.44	-6.51/5.47	-5.8/4.51
Theta (22.5°)	-2.65/3.99	-5.08/6.19	-6.48/6.74	-6.87/6.72	-6.63/6.54	-6.83/6.43	-5.75/5.13	-4.67/4.32	-3.74/3.5	-3.46/3.56	-3.9/4.07	-3.93/4.21	-5.66/7.69	-9.4										



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

Appendix B

Theta (°)	Phi (°)	Phi (15°)	Phi (30°)	Phi (45°)	Phi (60°)	Phi (75°)	Phi (90°)	Phi (105°)	Phi (120°)	Phi (135°)	Phi (150°)	Phi (165°)	Phi (180°)	Phi (195°)	Phi (210°)	Phi (225°)	Phi (240°)	Phi (255°)	Phi (270°)	Phi (285°)	Phi (300°)	Phi (315°)	Phi (330°)	Phi (345°)																							
Theta (75°)	-1.591-1.34	-1.221-1.06	-0.970-1.12	0.290-0.6	0.010-2.2	0.980-4.3	-0.771-0.99	-0.531-1.46	-3.011-1.69	-1.281-3.15	-4.031-3.2	-3.151-0.42	-4.861-6.21	-6.141-3.1	-2.111-1.79	-2.441-1.85	-0.571-1.47	-3.081-5.24	-4.711-2.6	-1.321-3.39	-2.741-3.32	-2.971-3.03	-3.651-2.26	-1.341-0.39																							
Theta (75°)	-1.711-1.06	-1.331-0.38	-1.251-1.54	-1.351-0.6	0.951-1.24	1.291-9.8	0.641-0.11	0.131-0.48	-0.881-0.33	-2.711-3.41	-2.661-1.69	-2.191-3.2	-4.471-4.9	-5.771-4.36	-3.241-2.9	-3.761-2.48	-1.021-0.37	-1.541-3	-2.441-0.72	-1.121-2.62	-2.191-1.32	-1.691-1.47	-1.271-1.89	-2.151-1.32																							
Theta (82.5°)	-2.161-2.47	-2.331-1.46	-0.751-0.06	0.591-1.14	2.021-2.3	0.161-0.8	0.631-0.3	0.021-0.14	-0.121-0.34	-0.911-2.57	-4.131-3.99	-4.061-4.19	-6.071-6.45	-6.181-5.47	-3.461-4.43	-4.861-3.36	-3.051-1.5	-3.251-5.36	-4.751-3.2	-1.911-1.62	-2.251-2.04	-2.951-2.01	-2.151-2.06	-2.281-2.09																							
Theta (90°)	-3.881-4.41	-2.721-0.34	0.371-0.94	1.281-1.3	0.921-0.3	0.391-0.7	0.861-0.5	0.491-0.28	0.671-1.2	-0.841-2.39	-3.611-4.66	-5.661-6.12	-7.361-5.72	-6.861-8.3	-7.341-9.03	-5.381-2.87	-1.991-1.82	-1.611-3.82	-2.191-1.14	-0.961-1.56	-2.361-2.19	-5.291-3.7	-4.261-4.32	-4.561-3.18																							
Theta (97.5°)	-5.061-4.6	-4.411-4.15	-3.461-1.76	-0.331-0.05	0.061-0.34	-0.031-0.48	-0.911-1	-1.411-1.21	-0.961-1.75	-2.791-5.51	-7.391-7.31	-7.031-5.49	-6.921-5.55	-7.041-6	-5.741-6	-5.281-6.52	-2.811-5.2	-2.691-2.75	-1.231-1.49	-1.761-4.21	-5.491-4.9	-5.441-4.43	-5.571-3.67	-5.571-3.67																							
Theta (105°)	-3.691-5.58	-4.141-4.71	-4.591-4.53	-3.021-1.52	-2.631-1.39	-1.431-2.4	-1.951-2	-0.621-1.26	-2.311-3.2	-3.871-5.1	-7.171-6.56	-6.851-5.84	-6.981-5.42	-6.941-7.35	-5.361-5.55	-6.421-5.83	-5.671-6.03	-3.051-1.91	-2.321-2.77	-1.771-5.12	-1.461-3.64	-3.861-5.25	-6.531-4.85	-4.371-6.05																							
Theta (112.5°)	-5.831-5.12	-3.941-3.55	-3.471-3.74	-4.351-3.09	-4.811-4.02	-2.151-2.3	-2.071-1.9	-1.681-2.37	-1.711-2.49	-3.391-4.33	-5.811-6.38	-6.631-8.06	-9.391-6.68	-7.711-9.8	-8.411-7.94	-7.861-7.11	-5.411-2.58	-2.931-2.3	-2.811-2.24	-2.511-0.72	-0.691-3.47	-3.741-5.14	-6.141-2.6	-5.421-7.6																							
Theta (120°)	-6.421-5.27	-3.821-3.12	-3.061-2.74	-2.821-2.03	-0.931-2.04	-1.381-0.41	-1.351-1.25	-2.321-1.68	-2.311-4.17	-5.141-5.08	-5.411-5.75	-6.351-6.53	-6.631-7.3	-6.671-7.8	-8.311-9.6	-5.711-5.1	-4.781-3.38	-5.571-4.13	-4.031-3.53	-3.641-2.67	-3.391-5.54	-7.581-8.06	-5.261-7.43	-5.911-6.85																							
Theta (127.5°)	-4.111-4.11	-4.661-3.94	-3.271-2	-1.471-1.46	-1.211-0.74	-1.471-2.33	-2.021-2.47	-2.831-3.44	-5.861-7.53	-5.411-3.48	-3.371-3.95	-5.321-6.54	-7.921-8.05	-8.631-11.23	-10.231-7.9	-6.311-3.31	-4.751-4.36	-5.511-4.69	-7.591-5.55	-4.231-6.72	-3.911-3.56	-8.161-7.18	-4.431-5.5	-7.121-5.35																							
Theta (135°)	-6.471-7.36	-7.411-6.8	-5.531-5.05	-4.311-2.84	-2.121-1.67	-1.821-2.32	-2.811-2.16	-2.031-2.37	-4.141-95	-6.211-7.29	-6.741-5.42	-5.511-6.34	-6.611-4.37	-5.911-6.75	-5.931-5.49	-4.691-4.4	-7.311-10.21	-6.411-3.96	-5.371-4.43	-2.991-4.9	-5.071-5.99	-7.421-5.93	-3.251-3.2	-3.711-5.89																							
Theta (142.5°)	-5.711-5.55	-5.551-7.43	-9.121-9.35	-8.811-7.27	-4.731-3.08	-2.311-2.4	-2.851-2.76	-3.031-3.47	-4.611-5.52	-5.721-6.87	-8.771-10.52	-9.571-9.29	-7.761-7.2	-6.851-7.49	-7.541-8.08	-7.191-6.34	-6.171-4.39	-3.111-3.44	-4.861-4.27	-2.851-2.3	-3.181-4.68	-4.641-7.6	-7.051-6.3	-6.841-7.1																							
Theta (150°)	-8.411-6.54	-6.591-4.94	-4.121-5.52	-7.711-6.39	-5.431-3.9	-3.921-3.81	-3.631-3.29	-3.521-3.66	-3.541-3.35	-3.931-5.5	-7.631-6.54	-9.211-9.69	-7.611-7.25	-8.451-9.24	-9.611-10.88	-11.341-11.72	-9.861-11.1	-3.711-4.31	-3.111-3.44	-4.861-4.27	-2.811-2.4	-3.181-4.68	-4.641-7.6	-7.051-6.3	-6.841-7.1																						
Theta (157.5°)	-8.211-7.5	-6.911-7.71	-7.731-5.54	-4.721-5.74	-6.461-5.96	-5.221-5.09	-4.661-4.32	-4.731-5.15	-4.641-3.64	-3.161-4.05	-5.321-6.07	-6.721-8.74	-9.581-7.5	-6.771-7.13	-7.991-8.16	-8.151-8.45	-9.211-9.78	-8.951-7.19	-5.311-4.45	-5.221-6.21	-9.111-9.75	-7.741-6.55	-6.171-6.64	-8.211-9.45																							
Theta (165°)	-6.041-5.68	-5.681-5.47	-5.611-6.6	-7.421-6.77	-5.851-5.23	-5.661-5.93	-6.311-6.72	-8.031-8.63	-9.361-8.99	-8.731-7.65	-6.491-6.34	-6.371-3.56	-5.911-6.39	-7.641-8.78	-9.431-11.7	-7.111-5.51	-4.811-5.48	-4.511-4.94	-5.571-6.1	-6.671-7.48	-7.531-6.88	-8.211-7.77	-6.731-6.14	-6.841-7.1																							
Theta (172.5°)	-10.551-11.62	-11.551-12.2	-12.181-11.12	-10.171-8.12	-8.091-7.59	-6.751-7.33	-7.061-7.09	-7.251-7.01	-6.681-6.69	-7.021-7.42	-7.761-7.81	-8.291-9.27	-10.161-11.07	-12.221-10.97	-9.891-8.77	-8.991-8.67	-6.611-6.83	-5.671-5.78	-6.161-6.37	-5.671-5.78	-6.111-6.87	-7.121-6.95	-6.351-6.33	-6.881-6.61	-6.881-6.61																						
Theta (180°)	-11.471-11.73	-10.571-10.04	-9.211-8.7	-7.561-7.09	-6.371-6.08	-6.041-5.58	-5.861-6.18	-6.481-6.79	-7.111-7.55	-8.691-9.61	-10.251-11.34	-12.711-11.83	-11.711-11.53	-10.661-9.25	-8.621-9.07	-8.281-7.16	-6.411-6.03	-6.151-6.04	-6.291-6.38	-6.311-7.26	-6.371-6.97	-9.051-8.97	-8.891-9.7	-11.071-12.05																							
Freq (GHz)	6.475GPol.	Theta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																							
DG (dB)	Phi(7.5°)	Phi(15°)	Phi(22.5°)	Phi(30°)	Phi(37.5°)	Phi(45°)	Phi(52.5°)	Phi(60°)	Phi(67.5°)	Phi(75°)	Phi(82.5°)	Phi(90°)	Phi(97.5°)	Phi(105°)	Phi(112.5°)	Phi(120°)	Phi(127.5°)	Phi(135°)	Phi(142.5°)	Phi(150°)	Phi(157.5°)	Phi(165°)	Phi(172.5°)	Phi(180°)	Phi(187.5°)	Phi(195°)	Phi(202.5°)	Phi(210°)	Phi(217.5°)	Phi(225°)	Phi(232.5°)	Phi(240°)	Phi(247.5°)	Phi(255°)	Phi(262.5°)	Phi(270°)	Phi(277.5°)	Phi(285°)	Phi(292.5°)	Phi(300°)	Phi(307.5°)	Phi(315°)	Phi(322.5°)	Phi(330°)	Phi(337.5°)	Phi(345°)	Phi(352.5°)
Theta (0°)	-9.541-8.95	-8.311-8.41	-8.471-8.57	-8.831-8.46	-9.451-9.27	-9.561-9.68	-9.031-9.1	-8.631-8.53	-8.461-8.36	-8.861-8.51	-8.231-8.84	-8.911-9.03	-8.571-8.73	-7.921-7.57	-7.781-7.72	-8.281-8.35	-8.651-8.85	-8.981-9.05	-9.221-9.26	-9.311-9.07	-8.891-9.07	-8.891-9.04	-9.211-9.11	-9.351-9.69																							
Theta (7.5°)	-9.341-9.3	-8.771-8.45	-8.681-8.69	-9.061-8.89	-9.161-9.63	-9.461-7.83	-8.381-7.8	-7.721-8.14	-7.921-8.08	-8.061-7.5	-7.111-6.8	-7.031-7.04	-7.971-7.98	-8.161-8.94	-9.061-9.74	-10.761-10.10	-11.031-10.15	-10.741-10.12	-9.831-8.9	-8.471-8.95	-9.361-9.21	-9.891-9.42	-9.641-8.97	-9.821-9.31																							
Theta (15°)	-7.141-7.63	-7.281-6.26	-7.191-6.93	-10.551-10.79	-10.191-9.93	-8.811-8.55	-7.971-7.73	-7.751-7.74	-7.051-6.67	-6.261-5.78	-5.651-5.74	-5.731-5.63	-6.491-7.09	-7.951-8.56	-9.061-9.66	-11.821-11.11	-12.051-11.68	-11.121-11.08	-9.831-8.9	-8.471-8.95	-9.361-9.21	-9.891-9.42	-9.641-8.97	-9.821-9.31																							
Theta (22.5°)	-5.911-5.61	-5.581-6.9	-7.381-7.82	-7.661-7.98	-9.141-9.42	-8.551-8.66	-8.511-8.39	-8.051-8.28	-7.511-3.39	-6.111-5.97	-6.211-6.63	-6.591-7.28	-8.451-9.18	-10.241-10.42	-10.711-10.24	-9.551-10.02	-10.461-10.37	-9.631-9.38	-9.441-10.14	-10.211-9.79	-8.641-7.96	-8.681-8.67	-8.111-7.59	-7.651-6.54																							
Theta (30°)	-6.411-5.52	-4.731-5.06	-6.381-6.6	-6.161-6.91	-8.021-8.85	-8.671-3.35	-8.831-6.84	-7.841-7.19	-6.351-3.59	-5.791-6.6	-6.941-6.74	-8.661-10.21	-10.511-9.92	-9.211-9.4	-10.141-10.08	-9.841-10.08	-9.581-10.08	-9.511-10.08	-9.511-10.08	-9.511-10.08	-9.511-10.08	-9.511-10.08	-9.511-10.08	-9.511-10.08	-9.511-10.08																						
Theta (37.5°)	-5.671-6.24	-5.411-4.23	-3.691-4.67	-6.541-7.5	-8.021-8.17	-8.331-8.59	-7.811-6.82	-5.981-5.4	-4.711-4.54	-4.711-4.54	-4.711-4.54	-4.711-4.54	-4.711-4.54	-4.711-4.54	-4.711-4.54	-4.711-4.54	-4.711-4.54	-4.711-4.54	-4.711-4.54	-4.711-4.54	-4.711-4.54	-4.711-4.54	-4.711-4.54	-4.711-4.54																							
Theta (45°)	-3.551-3.56	-3.651-3.26	-4.121-5.74	-7.111-7.58	-8.011-7.9	-7.651-7.75	-7.471-6.81	-6.341-6.02	-5.111-4.81	-5.931-5.84	-4.761-4.65	-5.431-4.91	-6.751-9.15	-8.211-7.45	-8.821-11.67	-10.661-10.27	-9.791-8.1	-4.971-4.19	-6.411-7.04	-5.511-5.5	-5.911-5.54	-4.841-4.28	-4.311-4.37	-4.491-3.62																							
Theta (52.5°)	-2.941-3.36	-3.491-3.43	-4.551-5.5	-6.011-6.95	-8.111-6.6	-7.331-7.26	-6.131-6.6	-7.571-9.24	-9.841-8.17	-7.931-6.99	-4.271-4.57	-5.021-4.91	-6.491-6.56	-4.511-4.23	-6.811-7.35	-5.951-4.29	-4.211-3.99	-4.951-4.8	-3.111-3.75	-3.111-3.75	-3.111-3.75	-3.111-3.75	-3.111-3.75	-3.111-3.75																							
Theta (60°)	-3.371-3.99	-4.471-4.13	-5.411-4.95	-6.151-4.66	-5.141-2.3	-6.681-8.02	-8.451-7.66	-7.811-8.41	-8.251-6.47	-7.691-6.92	-5.131-4.67	-4.211-4.35	-4.211-4.35	-4.211-4.35	-4.211-4.35	-4.211-4.35	-4.211-4.35	-4.211-4.35	-4.211-4.35	-4.211-4.35	-4.211-4.35	-4.211-4.35	-4.211-4.35	-4.211-4.35																							
Theta (67.5°)	-4.481-3.94	-4.221-5.5	-4.711-4.57	-5.521-6.66	-4.921-5.22	-6.111-8.76	-10.411-7.22	-5.331-5.61	-6.731-6.76	-7.611-6.68	-4.911-2.97	-3.311-4.17	-3.871-4.05	-4.291-4.28	-3.751-4.12	-3.671-2.73	-2.651-2.12	-1.041-3.18	-2.481-1.87	-0.331-1.24	-0.831-2.1	-3.361-1.99	-0.451-0.55	-3.091-3.74																							
Theta (75°)	-3.761-5.66	-4.841-5.08	-5.621-8.7	-7.621-9.26	-8.261-7.98	-11.121-10.3	-8.371-9.98	-9.661-7.31	-5.341-7.51	-7.541-5.69	-4.511-3.93	-3.781-4.3	-4.841-3.84	-4.151-3.43	-3.121-2.77	-2.471-2.91	-1.591-3.1	-0.891-2.32	-1.811-4.03	-1.011-0.3	-1.941-2.39	-1.611-0.27	-1.161-0.98	-2.721-2.5																							
Theta (90°)	-3.081-3.47	-4.241-5.03	-4.471-7.03	-7.811-7.75	-6.711-9.17	-8.621-7.64	-6.551-7.39	-6.861-7.11	-4.991-6.41	-8.351-5.64	-5.271-4.25	-3.841-4.56	-2.711-3.61	-2.911-3.47																																	



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

Appendix B

Theta	Phi	Phi(15°)	Phi(30°)	Phi(45°)	Phi(60°)	Phi(75°)	Phi(90°)	Phi(105°)	Phi(120°)	Phi(135°)	Phi(150°)	Phi(165°)	Phi(180°)	Phi(195°)	Phi(210°)	Phi(225°)	Phi(240°)	Phi(255°)	Phi(270°)	Phi(285°)	Phi(300°)	Phi(315°)	Phi(330°)	Phi(345°)
Theta(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/-6.68	-6.18/-4.48	-2.49/-3.71	-4.69/-6.01
Theta(127.5°)	-8.75/-3.54	-5.22/-3.87	-3.21/-2.8	-3.36/-0.91	-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/-3.35	-1.93/-3.3	-4.92/-6.69	-6.85/-6.66	-7.84/-7.63
Theta(135°)	-5.64/-4.55	-3.98/-4.84	-2.59/-6.14	-5.22/-5.4	-4.29/-2.88	-2.27/-1.68	-2.27/-0.05	-1.89/-2.97	-3.27/-2.02	-1.70/-2.22	-3.21/-4.68	-6.16/-7.2	-6.74/-5.48	-6.07/-9.13	-7.81/-5.13	-3.47/-3.11	-2.81/-5.2	-3.83/-2.26	-5.35/-5.04	-2.41/-5.05	-4.22/-7.41	-6.76/-3.91	-2.78/-2.59	-4.91/-5.81
Theta(142.5°)	-3.62/-2.61	-1.71/-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/-0.1	-5.9/-5.84	-4.6/-4.59	-6.23/-0.43	-2.04/-1.43	-1.48/-3.62	-3.09/-2.55	-4.1/-2.29	-3.93/-4.82	-3.53/-1.81	-2.89/-4.94
Theta(150°)	-7/-5.14	-5.52/-5.03	-6.95/-10.84	-9.74/-7.8	-5.95/-4.41	-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	-7.56/-5.22	-5.69/-6.51	-6.69/-8.36	-6.56/-3.83	-1.42/-3.22	-3.52/-2.87	-2.17/-2.23	-2.87/-4.76	-7.08/-7.53	-7.09/-7.33	-6.9/-7.7
Theta(157.5°)	-8.04/-7.13	-7.01/-6.52	-5.88/-5.8	-5.88/-4.78	-3.75/-3.43	-4.01/-4.16	-4.10/-4.08	-4.09/-3.11	-2.34/-2.09	-3.23/-5.12	-7.19/-8.47	-9.23/-9.43	-9.68/-8.48	-6.91/-5.91	-5.73/-6.28	-4.77/-7.84	-5.93/-3.88	-3.13/-2.25	-1.02/-0.81	-1.97/-3.72	-4.47/-3.89	-3.75/-5.02	-7.76/-9.01	-9.98/-8.88
Theta(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	-5.69/-5.17	-4.36/-3.4	-3.25/-4.05	-4.95/-5.14	-5.38/-4.68	-3.9/-3.36	-3.84/-4.91	-6.08/-6.45	-6.34/-6.59	-5.99/-5.68	-5.93/-6.65
Theta(172.5°)	-6.85/-6.54	-6.18/-6.55	-6.91/-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	-10.41/-11.96	-12.44/-12.21	-10.48/-8.61	-6.8/-5.48	-4.81/-3.44	-4.03/-3.91	-3.81/-3.45	-3.11/-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
Theta(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	-3.44/-3.59	-4.26/-5.04	-6.06/-7.34	-8.21/-9.58	-9.81/-9.99	-9.97/-9.51	-9.13/-8.36	-6.96/-6.93

6G option9

Theta	Phi	Phi(15°)	Phi(30°)	Phi(45°)	Phi(60°)	Phi(75°)	Phi(90°)	Phi(105°)	Phi(120°)	Phi(135°)	Phi(150°)	Phi(165°)	Phi(180°)	Phi(195°)	Phi(210°)	Phi(225°)	Phi(240°)	Phi(255°)	Phi(270°)	Phi(285°)	Phi(300°)	Phi(315°)	Phi(330°)	Phi(345°)
Theta(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/-6.68	-6.18/-4.48	-2.49/-3.71	-4.69/-6.01
Theta(127.5°)	-8.75/-3.54	-5.22/-3.87	-3.21/-2.8	-3.36/-0.91	-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/-3.35	-1.93/-3.3	-4.92/-6.69	-6.85/-6.66	-7.84/-7.63
Theta(135°)	-5.64/-4.55	-3.98/-4.84	-2.59/-6.14	-5.22/-5.4	-4.29/-2.88	-2.27/-1.68	-2.27/-0.05	-1.89/-2.97	-3.27/-2.02	-1.70/-2.22	-3.21/-4.68	-6.16/-7.2	-6.74/-5.48	-6.07/-9.13	-7.81/-5.13	-3.47/-3.11	-2.81/-5.2	-3.83/-2.26	-5.35/-5.04	-2.41/-5.05	-4.22/-7.41	-6.76/-3.91	-2.78/-2.59	-4.91/-5.81
Theta(142.5°)	-3.62/-2.61	-1.71/-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/-0.1	-5.9/-5.84	-4.6/-4.59	-6.23/-0.43	-2.04/-1.43	-1.48/-3.62	-3.09/-2.55	-4.1/-2.29	-3.93/-4.82	-3.53/-1.81	-2.89/-4.94
Theta(150°)	-7/-5.14	-5.52/-5.03	-6.95/-10.84	-9.74/-7.8	-5.95/-4.41	-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	-7.56/-5.22	-5.69/-6.51	-6.69/-8.36	-6.56/-3.83	-1.42/-3.22	-3.52/-2.87	-2.17/-2.23	-2.87/-4.76	-7.08/-7.53	-7.09/-7.33	-6.9/-7.7
Theta(157.5°)	-8.04/-7.13	-7.01/-6.52	-5.88/-5.8	-5.88/-4.78	-3.75/-3.43	-4.01/-4.16	-4.10/-4.08	-4.09/-3.11	-2.34/-2.09	-3.23/-5.12	-7.19/-8.47	-9.23/-9.43	-9.68/-8.48	-6.91/-5.91	-5.73/-6.28	-4.77/-7.84	-5.93/-3.88	-3.13/-2.25	-1.02/-0.81	-1.97/-3.72	-4.47/-3.89	-3.75/-5.02	-7.76/-9.01	-9.98/-8.88
Theta(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	-5.69/-5.17	-4.36/-3.4	-3.25/-4.05	-4.95/-5.14	-5.38/-4.68	-3.9/-3.36	-3.84/-4.91	-6.08/-6.45	-6.34/-6.59	-5.99/-5.68	-5.93/-6.65
Theta(172.5°)	-6.85/-6.54	-6.18/-6.55	-6.91/-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	-10.41/-11.96	-12.44/-12.21	-10.48/-8.61	-6.8/-5.48	-4.81/-3.44	-4.03/-3.91	-3.81/-3.45	-3.11/-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
Theta(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	-3.44/-3.59	-4.26/-5.04	-6.06/-7.34	-8.21/-9.58	-9.81/-9.99	-9.97/-9.51	-9.13/-8.36	-6.96/-6.93



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

Appendix B

Theta (°)	-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/-3.33	-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	
Theta (30°)	-6.98/-6.13	-5.54/-5.02	-5.11/-5.7	-7.51/-7.23	-6.52/-6.6	-4.32/-3.09	-2.85/-2.71	-2.27/-2.34	-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	-8.37/-9.5	-6.63/-6.35	-6.71/-5.71	-7.46/-7.07	-5.98/-5.63	-5.98/-6.2	-6.78/-8.24	-8.08/-7.25	
Theta (37.5°)	-5.04/-3.59	-3.64/-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	-3.6/-3.89	-3.79/-3.9	-4.64/-6.16	-1.99/-8.51	-1.92/-9.36	-7.49/-6.45	-5.88/-8.39	-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	
Theta (45°)	-2.98/-2.21	-2.55/-2.83	-2.46/-3.51	-4.04/-4.33	-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/-2.3	-2.46/-3.5	-5.55/-5.06	-9.21/-10.4	-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	-6.95/-5.48	-4.84/-6.47	
Theta (52.5°)	-2.31/-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	-2.1/-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	
Theta (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	-10.9/-10.28	-11.17/-10.39	-10.57/-10.26	-11.17/-11.13	-2.99/-2.86	-4.71/-4.07	-4.17/-3.1	-2.39/-2.38	-2.47/-2.76	
Theta (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	-1.0/8.5	-1.13/-1.92	-3.39/-3.31	-2.76/-2.36	-2.99/-5.11	-6.58/-9.73	-11.97/-6.3	-8.31/-3.75	-6.58/-8.86	-9.71/-10.98	-7.86/-8.49	-4.28/-9.66	-7.07/-5.68	-4.72/-3.89	-3.07/-3.07	
Theta (75°)	-2.76/-1.89	-1.81/-1.27	-1.41/-1.27	-4.38/-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/-9.12	-6.15/-5.76	-6.71/-5.44	-3.78/-3.97	-3.87/-3.17	
Theta (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	-6.81/-8.99	-7.61/-7.26	-6.91/-7.84	-8.14/-9.02	-8.16/-8.39	-5.11/-5.52	-4.92/-5.9	-4.92/-4.57	-5.37/-4.1	-2.64/-3.05	-1.72/-1.57		
Theta (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	-5.59/-4.94	-6.36/-8.73	-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	
Theta (97.5°)	-2.63/-2.04	-1.39/-0.73	-1.1/23	-2.83/-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	
Theta (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	-1.93/-3.2	-2.16/-3.04	-4.1/-5.99	-6.96/-8.62	-7.83/-8.69	-6.31/-5.7	-8.03/-6.24	-6.32/-7.18	-5.32/-4.24	-5.57/-8.24	-7.32/-7.68	-8.99/-7.56	-5.88/-4.47	-4.93/-4.85	-4.01/-4.57	
Theta (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/-6.85	-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	-6.59/-5.46	-4.01/-4.32	-3.82/-3.14	
Theta (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	-5.62/-6.95	-6.54/-6.27	-7.33/-6.56	-6.18/-3.76	-7.43/-8.64	-8.52/-4.97	-7.19/-6.54	-6.51/-6.73	-4.05/-4.3	-4.73/-12.71	-5.92/-7.75	-3.75/-5.93	-5.85/-5.19	-3.68/-2.43	-3.98/-4.54	
Theta (127.5°)	-4.66/-4.99	-6.05/-5.19	-3.69/-2.95	-2.41/2.81	-4.17/-4.49	-3.06/-2.88	-3.91/-4.16	-4.09/-3.76	-2.56/-2.14	-2.42/-8.87	-5.98/-7.38	-7.07/-8.15	-6.77/-5.58	-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	-4.04/-4.53	-3.47/-3.14	
Theta (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/-3.78	-3.68/-3.26	-3.51/4.97	-5.48/-5.4	-8/9.31	-9.29/-8.15	-7.39/-7.49	-8.11/-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	-2.61/-3.22	-3.19/-2.18	
Theta (142.5°)	-2.96/-2.03	-2.21/-1.49	-0.99/-1.46	-1.81/-1.55	-2.28/-4.5	-5.26/-4.66	-3.59/-2.29	-1.74/-3.23	-3.37/-4.47	-5.22/-5.56	-4.86/-5.01	-5.54/-7.85	-9.98/-10.6	-11.59/-11.2	-10.11/-10.3	-9.32/-11.55	-8.72/-7.95	-8.53/-10.92	-7.35/-5.1	-5.23/-5.5	-4.4/-7.9	-6.07/-6.86	-2.84/-3.06	-2.31/-3.67	
Theta (150°)	-2.32/-2.08	-1.84/-2.17	-2.02/-1.24	-2.39/-3.62	-6.14/-7.96	-9.48/-8.6	-7.62/-5.23	-4.82/-6.11	-5.96/-6.47	-7.37/-8.17	-10.74/-11.15	-10.16/-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	-12.74/-11.22
Theta (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	-10.12/-9.21	-10.68/-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	-2.71/-2.62	
Theta (165°)	-6.93/-6.67	-7.47/-8.99	-9.29/-9.15	-8.74/-8.75	-9.43/-9.71	-9.87/-9.5	-8.75/-7.6	-7.73/-8.2	-8.15/-8.5	-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/-8.3	-8.08/-8.16	-6.86/-6.54	-4.76/-4.25	-4.12/-4.11	-3.71/-3.22	-3.86/-2.57	-5.98/-7.01	
Theta (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	-9.90/-10.2	-9.91/-9.24	-8.5/-9.1	-7.45/-6.77	-6.89/-7.03	-7.21/3.77	-7.59/-7.72	-7.52/-7.35	-7.05/-6.53	-6.97/-7.36	-8.82/-9.66	-7.96/-8.27	-5.59/-4.46	-4.15/-4.65	-5.51/-6.47	-6.57/-6.43	-6.51/-5.93		
Theta (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	-12.61/-12.11	-11.02/-9.93	-9.15/-8.5	-7.42/-7.39	-7.16/-7.27	
Freq (GHz)	6.895GPol.	PhiL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DG (dB)	Phi(0°)/Phi(7.5°)	Phi(15°)/Phi(22.5°)	Phi(30°)/Phi(37.5°)	Phi(45°)/Phi(52.5°)	Phi(60°)/Phi(67.5°)	Phi(75°)/Phi(82.5°)	Phi(90°)/Phi(97.5°)	Phi(105°)/Phi(112.5°)	Phi(120°)/Phi(127.5°)	Phi(135°)/Phi(142.5°)	Phi(150°)/Phi(157.5°)	Phi(165°)/Phi(172.5°)	Phi(180°)/Phi(187.5°)	Phi(195°)/Phi(202.5°)	Phi(210°)/Phi(217.5°)	Phi(225°)/Phi(232.5°)	Phi(240°)/Phi(247.5°)	Phi(255°)/Phi(262.5°)	Phi(270°)/Phi(277.5°)	Phi(285°)/Phi(292.5°)	Phi(300°)/Phi(307.5°)	Phi(315°)/Phi(322.5°)	Phi(330°)/Phi(337.5°)	Phi(345°)/Phi(352.5°)	
Theta (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	-6.68/-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	
Theta (7.5°)	-1.85/-1.67	-1.61/-1.72	-1.79/-1.98	-2.04/-2.05	-2.39/-2.39	-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	-0.59/-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	-2.61/-2.92	
Theta (15°)	-3.41/-2.95	-3.27/-3.09	-3.12/-3.29	-2.61/-2.56	-2.87/-3.05	-3.15/-3.48	-4.34/-4.88	-5.41/-5.61	-6.32/-4.79	-4.13/-3.98	-4.34/-4.6	-4.19/-3.4	-1.77/-1.92	-1.12/-1.27	-1.22/-0.68	-0.38/-0.12	-1.30/-1.61	-1.62/-2.91	-4.21/-5.22	-5.96/-5.65	-4.94/-4.56	-3.43/-3.91	-3.52/-4.07	-3.83/-3.69	
Theta (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	
Theta (30°)	0.56/0.37	-0.18/-0.48	-0.65/-1.96	-3.02/-3.14	-2.81/-6.9	-1.28/-1.09	-1.11/-1.16	-1.11/-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/-3.26	-1.71/-0.92	-0.34/-0.01	0.01/0.05	0.10/0.05	
Theta (37.5°)	-1.0/8.4	-0.96/-1	-0.87/-0.63	-0.43/-0.59	-1.21/-1.53	-0.76/0.28	0.57/0.05	-1.11/-1.3	-1.78/-3.26	-4.56/-4.16	-3.64/-2.63	-2.57/-3.05	-3.04/-1.68	0.95/0.34	-0.8/2.43	-0.57/0.26	-1.61/-0.17	-2.35/-2.85	-2.61/-2.19	-1.02/-1.23	-1.67/-0.97	-0.52/-0.87	-0.68/-0.13	-0.47/-0.97	
Theta (45°)	-0.47/0.23	-0.17/-0.33	0.71/37	2.11/2.07	0.94/-0.5	0.13/-1.38	1.47/11	-0.51/-1.21	-1.09/-1.94	-4.02/-5.02	-3.89/-2.58	-2.6/-4.2	-5.29/-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	
Theta (52.5°)	0.71/1.09	1.16/0.63	1.45/1.44	1.55/2.39	2.87/1.99	-0.19/-1.64	-0.81/-0.83	-1.41/-1.56	-2.31/-4.21	-4.16/-2.84	-1.92/-1.41	-0.91/-1.46	-3.15/-3.85	-3.64/-4.21	-1.49/-1.17	-1.37/-1.41	-1.89/-1.56	2.17/0.43	-2.15/-2.91	-2.35/-4.05	0.65/0.54	0.88/0.13			
Theta (60°)	1.06/1.17	0.82/0.13	0.87/1.12	1.27/0.85	0.56/0.31	-0.23/-0.08	-0.96/-0.82	-1.15/-2.37	-5.51/-4.44	-2.44/-2.04	-2.74/-3.05	-1.41/-1.55	-1.81/-2.29	-3.55/-3.67	-3.01/										



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/-6.76	-9.12/-9.08	-9.26/-9.19	-8.77/-6.92	-6.19/-6.34	-6.9/-7.63	-5.66/-3.27	-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/-1.01	-1.2/-0.39	-0.23/-1.64	-1.96/-2.29	-2.65/-3.2	-4.06/-3.87	-4.06/-6.53	-7.33/-7.53	-6.14/-5.98	-7.79/-6.92	-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	-0.03/0.55	0.39/0.67	0.05/-0.7	-0.05/0.3	-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/-0.5	-0.41/-1.47	-3.04/-4.33	-4.49/-4.45	-3.82/-4.5	-6.41/-7.5	-4.63/-7.88	-2.89/-7.4	-3.15/-5.55	-5.66/-4.88	-7.97/-6.97	-6.14/-3.34	-2.23/-5.08	-4.35/-4.07	-1.69/-3.44	-2.25/-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/-2.01	-1.68/-0.68	-0.52/-0.9	-2.31/-3.17	-4.18/-4.68	-6.16/-3	-5.95/-7.56	-7.69/-7.99	-6.57/-7.28	-4.48/-2.72	-3.34/-2.47	-4.79/-7.7	-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	-0.41/-1.49	-0.83/-0.91	-1.94/-2.77	-2.83/-2.3	-3.17/-5.17	-6.36/-6.8	-7.32/-6.75	-4.15/-3.91	-7.82/-8.09	-3.77/-1.85	-2.77/-4.04	-5.88/-10.65	-5.71/-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/-5.57	-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	-5.14/-1.2	-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	-9.14/-10.4	-9.69/-10.25	-6.66/-3.36	-3.97/-4.8	-5.09/-5.11	-5.16/-5.75	-2.1/-2.11	-1.1/-1.91	-1.73/-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	-7.68/-6.93	-7.42/-6.37	-6.51/-7.46	-6.07/-9.85	-1.78/-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	-2.88/-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/-2.4	-5.22/-4.31	-3.81/-2.73	-2.87/-5.32	-6.56/-7.22	-7.22/-6.82	-6.59/-6.55	-5.75/-6.51	-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/-3.76	-4.02/-2.88	-1.87/-1.59
Θ(157.5°)	-3.03/-3.02	-3.3/-3.72	-4.16/-4.09	-4.09/-4.84	-6.27/-9.5	-1.65/-6.59	-9.01/-8.89	-1.13/-10.77	-10.13/-9.23	-6.17/-4.16	-5.72/-5.59	-6.81/-8.22	-3.98/-11.08	-1.46/-11.93	-0.95/-9.83	-8.91/-11.21	-11.81/-11.38	-9.99/-8.11	-7.79/-7.89	-6.33/-6.6	-8.19/-8.46	-8.07/-4.76	-4.31/-9.4	-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/-2.38	-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/-6.56	-6.63/-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)	6.175G/Pol.	Phi-L	Phi-R	Phi-L	Phi-R	Phi-L	Phi-R	Phi-L	Phi-R	Phi-L	Phi-R	Phi-L	Phi-R	Phi-L	Phi-R	Phi-L	Phi-R	Phi-L	Phi-R	Phi-L	Phi-R	Phi-L	Phi-R	Phi-L	Phi-R
DG(dB)	Φ(0°)Φ(75°)	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°)	-0.46/-3.01	-2.68/-2.52	-2.8/-3.12	-3.67/-5.45	-5.15/-5.91	-6.08/-6.53	-6.42/-6.51	-6.88/-6.34	-6.09/-8.59	-5.52/-5.04	-4.57/-4.13	-4.02/-4.03	-4.09/-4.22	-4.51/-4.54	-5.14/-5.48	-5.73/-5.92	-6.54/-6.82	-7.2/-9.9	-6.76/-6.64	-6.67/-6.42	-5.76/-5.16	-4.73/-5.18	-5.16/-5.36	-4.75/-6.88	
Θ(7.5°)	-6.54/-5.78	-6.19/-5.73	-6.96/-6.87	-6.74/-7.28	-7.18/-7.01	-6.96/-6.83	-6.41/-6.11	-5.56/-5.12	-4.84/-4.84	-4.85/-4.62	-4.54/-4.75	-4.76/-4.47	-4.07/-3.71	-3.63/-3.21	-2.94/-2.66	-2.55/-2.75	-1.73/-3.12	-3.62/-4.45	-5.62/-6.73	-7.13/-6.12	-5.03/-4.13	-3.75/-3.67	-3.63/-4.37	-5.15/-5.34	
Θ(15°)	-8.65/-9.77	-9.61/-9.92	-9.31/-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/-3.59	-6.15/-5.94	-5.9/-6.1	-3.88/-3.48	-3.32/-3.21	-2.71/-3.66	-6.26/-6.76	
Θ(22.5°)	-5.46/-5.96	-5.67/-6.71	-7.5/-7.76	-7.97/-9.4	-6.52/-6.17	-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	-7.28/-6.64	-5.88/-4.29	-3.37/-3.54	-3.29/-3.25	-2.24/-3.25	-4.7/-4.9	-5.31/-6.33	-6.39/-4.17	-2.96/-2.39	-1.99/-2.34	-3.17/-3.06	-5.67/-6.31	
Θ(30°)	-3.55/-3.67	-5.25/-5.1	-5.95/-5.34	-4.59/-4.21	-5.41/-7.1	-4.82/-4.73	-5.84/-3.95	-5.06/-6.08	-6.07/-6.92	-5.64/-5.2	-6.82/-7.94	-8.71/-6.65	-6.42/-6.34	-6.07/-6.07	-5.28/-2.96	-1.93/-2.81	-2.51/-2.87	-4.12/-5.11	-3.76/-3.28	-3.11/-6.8	-5.0/-5.13	-2.75/-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	-9.89/-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	-5.75/-6.06	-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/-6.1	-0.73/-2.43	-1.54/-1.07	-1.92/-1.39	-4.21/-5.33	-7.26/-7.62	-7.15/-5.18	-4.64/-4.87	-5.84/-7.52	-7.03/-6.53	-6.64/-6.59	-5.47/-6.46	-5.9/-5.28	-4.78/-4.53	-6.09/-6.92	-4.31/-3.86	-3.13/-3.56	-4.61/-4.39	-3.27/-3.71	-2.58/-0.8	-0.20/-0.36	0.26/-0.92	1.68/-2.91	-1.48/-1.6	
Θ(52.5°)	-0.50/-6.4	0.73/-0.43	-0.51/-2.31	-2.09/-2.3	-4.64/-6.34	-6.64/-6.43	-7.23/-5.7	-4.04/-4.19	-6.37/-5.49	-8.18/-7.78	-6.11/-5.56	-7.12/-6.06	-4.93/-4.14	-2.71/-2.06	-4.93/-4.14	-3.62/-2.26	-2.58/-2.06	-2.40/-0.81	1.362/-2.04	1.362/-2.04	1.362/-2.04	1.362/-2.04	1.362/-2.04	1.362/-2.04	
Θ(60°)	2.13/1.85	1.06/1.06	-0.93/-2.15	-2.04/-3.7	-7.77/-7.99	-8.77/-8.91	-10.47/-11.89	-10.34/-8.95	-7.34/-6.48	-6.19/-6.24	-8.72/-8.76	-7.69/-5.53	-4.14/-2.63	-3.88/-5.04	-6.34/-4.76	-5.12/-2.5	-1.29/-0.83	-2.11/-3.54	-1.24/-0.04	1.04/-0.18	1.34/1.93	1.68/2.58	2.67/2.8	2.42/2.03	
Θ(67.5°)	1.54/0.72	0.41/0.01	-0.47/-2.47	-2.43/-5.53	-6.29/-4.48	-4.97/-5.61	-9.22/-9.19	-9.49/-9.83	-6.54/-6.85	-7.82/-7.54	-5.46/-3.04	-4.83/-3.22	-4.15/-4.75	-6.76/-5.8	-2.75/-1.18	-1.56/0.23	1.88/-0.25	-1.21/-0.45	1.62/1.96	1.93/3.5	2.83/6.1	4.24/3.9	3.24/3.6	1.89/1.15	
Θ(75°)	1.46/-0.54	0.63/-0.22	-1.89/-0.29	-0.85/-3.21	-4.65/-3.79	-4.89/-9.65	-11.37/-10.91	-6.71/-6.58	-4.89/-8.35	-3.53/-3.23	-3.53/-4.11	-4.71/-4.56	-5.56/-3.13	-3.93/-4.17	-2.23/-0.67	0.95/-0.93	1.57/-0.36	2.82/7.2	3.01/3.18	1.96/2.39	3.24/3.6	4.24/3.9	3.24/3.6	0.69/1.17	
Θ(82.5°)	1.85/-0.85	0.91/-1.81	-1.25/-1.64	-4.29/-6.56	-4.26/-6.13	-9.66/-8.08	-10.23/-10.06	-9.47/-9.67	-9.26/-8.73	-9.16/-9.02	-10.71/-9.04	-7.59/-8.32	-6.01/-5.68	-8.11/-6.58	-7.35/-3.54	-5.36/-4.26	-0.52/-0.28	2.40/3.1	-0.632/55	3.39/3.05	3.66/3.75	2.94/3.14	3.65/3.87	1.53/1.24	
Θ(90°)	2.07/-0.24	0.87/-1.97	-1.47/-2.49	-6.31/-8.06	-5.77/-6.77	-10.04/-9.91	-9.48/-7.67	-10.75/-10.76	-7.05/-6.01	-9.33/-6.54	-7.31/-6.03	-9.51/-8.09	-5.46/-4.12	-6.46/-8.76	-9.16/-9.14	-2.91/-2.1	-2.23/-2.7	1.97/0.47	-1.25/2.83	4.13/2.35	3.06/3.01	2.63/4.36	6.43/4.08	1.99/1.66	
Θ(97.5°)	1.47/0.11	-1.09/-1.55	-1.93/-6.68	-7.74/-7.51	-4.68/-5.4	-5.94/-6.94	-10.71/-10.4	-7.27/-9.05	-9.26/-9.68	-10.12/-8.75	-8.17/-9.83	-8.22/-9.38	-4.86/-4.11	-8.55/-9.24	-7.88/-1.79	-5.59/-3.46	-0.89/-1.89	3.11/3.2	4.19/4.28	1.43/1.26	2.22/4.7	1.82/1.08	2.82/1.5	0.69/1.17	
Θ(105°)	2.1/0.8	0.26/0.46	-0.72/-0.94	-4.04/-8.06	-4.6/-5.01	-8.01/-11.75	-9.51/-9.66	-10.09/-8.67	-9.37/-9	-9.12/-11.03	-11.59/-9.88	-6.56/-6.76	-9.76/-5.35	-5.92/-5.71	-5.08/-2.04	-2.49/0.33	-2.29/-4.03	3.51/3.02	1.20/1.19	4.39/3.75	2.96/0.55	-1.33/8.2	3.59/2.45	2.83/1.51	
Θ(112.5°)	-0.23/-1.9	-3.18/-1.8	-2.51/-4.3	-2.74/-5.8	-7.74/-6.19	-7.25/-9.38	-9.07/-11.06	-10.17/-7.25	-8.88/-9.51	-7.54/-8.13	-9.56/-8.35	-8.36/-5.52	-6.21/-3.66	-5.13/-6.71	-2.61/-2.46	-2.02/-1.11	-5.99/-2.47	3.41/2.33	1.1/1.16	4.21	2.88/0.46	-1.34/3.53	2.55/0.6	1.86/0.93	
Θ(120°)	-2.93/-1.15	-3.27/-3.91	-7.15/-3.9	-6.89/6.65	-4.32/-5.56	-8.35/-10.61	-7.17/-9.99	-10.61/9.89	-9.04/-10.37	-9.07/-9.14	-7.718/14	-10.21/7.78	-4.51/7.42	-2.53/4.02	-2.20/9.1	-3.01/66	5.12/2.13	4.81/0.65	1.93/2.41	-1.26/1.61	2.87/1.06	2.87/1.06	2.87/1.06	-0.13/-1.44	
Θ(127.5°)	-3.7/-2.77	-2.53/-1.71	-1.43/-2.29	-2.53/-4.46	-5.98/-6.73	-7.27/-7.12	-7.92/-6.65	-7.12/-9.7	-10.63/-8.69	-7.46/-6.22	-8.71/-10.04	-8.12/-9.22	-6.91/-5.21												



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

Appendix B

Theta (°)	0.821-1.94	-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	-1.24-3.36	1.29-1.93	-0.05-6.07	-0.83-0.96	1.69-3.2	1.55-0.68	
Theta (105°)	-0.74-2.46	-2.15-3.12	-5.17-4.18	-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	-8.81-8.04	-7.29-5.45	-6.75-8.07	-4.23-4.14	-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	
Theta (120°)	-3.15-3.31	-0.79-4.87	-6.28-5.78	-6.33-3.38	-7.61-1.17	-9.52-7.62	-8.03-8.89	-10.96-11.42	-11.11-12.17	-11.52-11.72	-11.25-10.01	-11.2-10.76	-9.44-7.44	-6.91-7.07	-3.44-2.16	-4.54-0.6	-1.56-1.93	2.93-0.77	-0.67-2.04	1.49-1.66	2.35-3.72	-3.42-0.26	1.49-0.78	0.21-1.86	
Theta (127.5°)	-1.78-3.02	-5.84-4.61	-3.85-4.29	-4.37-1.94	-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	
Theta (135°)	-1.77-2.23	-2.17-2.7	-2.51-2.73	-4.16-4.37	-4.07-4.95	-6.67-7.15	-7.96-7.11	-7.13-9.27	-10.73-10.57	-9.94-11.42	-9.19-6.47	-7.88-10.43	-8.91-7.23	-7.85-9.99	-7.09-4.97	-3.44-2.97	0.16-0.98	-1.22-3.04	-1.79-3	-1.22-3.04	-1.79-3	-1.33-0	-1.13-0.14	-0.23-2.21	-2.5-1
Theta (142.5°)	-1.87-2.03	-2.42-2.4	-1.94-2.41	-3.37-3.58	-4.01-5.77	-6.67-8.95	-8.5-6.42	-4.11-5.49	-9.45-11.32	-8-7.36	-8.44-11.23	-11.49-10.99	-10.65-10.4	-10.3-9.9	-10.51-12.19	-7.43-6.5	-3.13-1.98	-2.13-2.33	-2.23-4.75	-4.26-2.46	-1.03-1.65	-6.73-6.62	-0.69-0.95	-1.57-1.88	
Theta (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	
Theta (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	-10.66-10.18	-11.41-10.34	-8.21-6.09	-4.61-4.59	-5.91-8.7	-9.66-9.25	-8.14-9.17	-9.17-9.42	-9.8-8.37	-8.4-8.95	-8.61-10.24	-9.02-6.58	-6.15-4	-1.27-2.43	-3.01-3.06	-2.73-1.25	-2.62-3.83	-4.37-4.56	
Theta (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	-10.73-10.73	-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	-5.22-4.3	-3.01-4.31	-5.33-5.37	-6.42-8.34	-7.79-8.89	
Theta (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	-12.1-11.8	-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	
Theta (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)	6.995GPol.	Phi	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
DG (dB)	Phi(0°)Phi(7.5°)	Phi(15°)Phi(22.5°)	Phi(30°)Phi(37.5°)	Phi(45°)Phi(52.5°)	Phi(60°)Phi(67.5°)	Phi(75°)Phi(82.5°)	Phi(90°)Phi(97.5°)	Phi(105°)Phi(112.5°)	Phi(120°)Phi(127.5°)	Phi(135°)Phi(142.5°)	Phi(150°)Phi(157.5°)	Phi(165°)Phi(172.5°)	Phi(180°)Phi(187.5°)	Phi(195°)Phi(202.5°)	Phi(210°)Phi(217.5°)	Phi(225°)Phi(232.5°)	Phi(240°)Phi(247.5°)	Phi(255°)Phi(262.5°)	Phi(270°)Phi(277.5°)	Phi(285°)Phi(292.5°)	Phi(300°)Phi(307.5°)	Phi(315°)Phi(322.5°)	Phi(330°)Phi(337.5°)	Phi(345°)Phi(352.5°)	
Theta (0°)	-3.14-2.27	-1.82-1.58	-1.28-1.48	-1.86-2.26	-3.19-3.76	-5.08-5.18	-7.53-8.7	-9.86-11.59	-10.29-11.9	-7.7-7.62	-6.13-5.76	-5.06-4.41	-4.03-3.37	-2.84-2.71	-2.38-2.37	-2.97-3.9	-4.55-1.33	-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	
Theta (7.5°)	-5.16-4.94	-5.08-4.76	-4.84-4.88	-4.28-3.95	-4.23-4.31	-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	-1.92-1.74	-1.04-0.83	-1.29-1.43	-1.04-0.83	-1.29-1.43	-1.04-0.83	-1.29-1.43	-1.04-0.83	-1.29-1.43	
Theta (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	-8.69-8.3	
Theta (22.5°)	-4.45-4.98	-5.37-4.09	-3.19-3.96	-3.57-3.28	-3.79-4.26	-4.51-4.68	-4.06-5.33	-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	0.11-0.22	-0.61-0.9	-0.74-1.04	-1.32-1.97	-2.61-2.81	-2.88-2.88	-2.93-2.91	-3.62-4.68	-4.8-4.53	
Theta (30°)	-2.78-3.4	-3.46-3.39	-2.68-2.92	-3.69-4.35	-5.81-5.17	-4.7-3.97	-3.2-2.46	-1.7-2.07	-2.94-3.22	-3.92-3.65	-3.04-2.52	-1.29-1.22	0.91-1.77	1.92-1.4	0.47-0.63	-1.29-1.43	-1.04-0.83	-1.29-1.43	-0.92-0.35	-0.92-0.35	-0.92-0.35	-0.92-0.35	-0.92-0.35	-0.92-0.35	
Theta (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	
Theta (45°)	-1.23-0.78	-2.28-3.88	-3.24-2.37	-1.81-1.96	-2.82-4.6	-3.33-1.14	-0.67-0.68	-1.74-2.39	-3.02-3.97	-5.14-8.1	-3.45-4.21	-4.02-3.42	-4.84-3.58	-1.21-0.69	1.71-0.82	0.05-0.57	0.92-0.7	2.69-1.7	0.76-1.44	2.31-2.62	1.98-1.09	0.9-0.21	0.62-1.18	0.6-0.57	
Theta (52.5°)	-0.60-0.36	-0.74-1.75	-1.34-1.96	-2.19-1.88	-0.93-1.79	-4.28-5.6	-3.88-3.5	-3.09-2.05	-2.56-6.1	-6.09-3.3	-2.43-3.64	-3.96-3.56	-2.37-1.22	-1.5-2.13	-0.03-1.53	2.36-2.29	3.02-1.89	3.14-5.5	4.22-85	1.14-0.1	-0.49-0.7	0.20-1.4	0.42-0.14	0.34-0.79	
Theta (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		
Theta (67.5°)	0.23-0.87	-2.53-2.63	-3.48-3.02	-4.31-4.66	-5.24-3.42	-2.08-3.06	-3.88-4.49	-2.76-3.62	-4.97-4.86	-3.54-3.53	-3.51-3.43	-4.33-4.4	-2.02-2.56	-5.01-3.9	-0.24-1.02	-0.48-0.34	1.61-1.89	2.79-1.18	0.03-0.63	-0.05-0.89	-2.69-2.54	-0.22-1.02	0.86-0.4	0.15-0.43	
Theta (75°)	-1.02-0.85	-3.12-3.58	-3.17-3.99	-5.54-7.44	-5.59-3.58	-4.85-5.91	-6.67-6.62	-4.94-6.51	-3.65-6.44	-2.72-3.23	-3.89-1.89	-1.56-2.78	-4.84-4.32	-1.75-0.34	0.29-1.06	1.27-1.19	2.27-0.12	-0.16-0.13	-2.63-3.56	-5.36-3	-1.24-1.47	-1.48-0.52	-0.77-0.66		
Theta (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	0.13-1.73	0.31-3.89	-0.86-0.58	0.14-1.56	-3.84-1.2	-5.16-4.36	-3.51-2.73	-2.7-2.11	
Theta (90°)	-4.12-3.76	-6.94-7.14	-8.69-8.31	-8.52-7.26	-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	-4.29-3.73	-4.11-1.16	-0.2-1.18	-0.23-1.41	1.68-0.99	-0.5-3.02	-2.94-0.79	-1.32-1.71	-1.35-4.77	-1.76-2.95	-5.18-6.69	-2.92-2.48	
Theta (97.5°)	-6.46-6.96	-8.89-9.37	-11.83-6.09	-7.57-9.98	-6.52-6.38	-7.78-7.19	-5.92-6.89	-5.25-5.62	-2.21-6.79	-5.95-5.13	-6.63-6.88	-6.57-7.25	-5.52-7.35	-1.55-0.17	-0.46-0.18	-0.16-1.41	0.30-1.93	-0.35-1.4	-0.55-0.17	-0.26-3.07	-1.13-1.1	-1.77-0.55	-1.21-1.26	-4.93-4.19	
Theta (105°)	-4.1-5.18	-5.97-5.07	-4.47-5.18	-7.04-6.02	-6.4-5.35	-8.9-8.21	-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	2.59-1.82	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	
Theta (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	1.64-0.61	1.25-1.79	1.31-2.48	0.18-0.31	-0.53-5.58	-3.43-5.63	-8.06-8.8	-6.14-5.71	
Theta (120°)	-9.25-9.09	-9.5-7.4	-5.69-6.11	-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	-6.25-6.33	-5.63-4.54	-2.74-3.04	-0.78-0.96	-1.04-2.04	-5.07-7.3	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	
Theta (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	-5.13-6.42	-8.01-6.22	-5.54-6.37	-6.73-6.8	-7.78-7.11	-5.97-6.23	-2.42-3.35	-3.83-2.79	-1.91-2.6	-0.78-1.98	2.01-31	1.14-1.4	-0.89-2.42	0.64-1.91	-0.46-0.5	-0.37-0.49	-2.15-4.74	-5.85-0.54	
Theta (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	-4.84-8.45	-7.52-6.91	-5.89-5.34	-7.13-8.8	-6.26-5.97	-6.16-5.77	-4.92-3.91	-4.82-2	-1.9-1.89	-0.58-0.85	0.43-0.33	1.23-0.39	0.03-0.88	-0.26-3.43	-3.66-0.79	-2.94-2.47	-2.19-3.29	-4.06-4.73	
Theta (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	-8.57-8.12	-7.47-6.32	-5-5.58	-4.79-2.08	-0.47-0.88	0.51-1.09	1.30-97								

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/-9.23	-8.92/-8.95	-8.95/-7.71	-7.24/-7.12	-5.12/-3.95	-5.55/-5.36	-1.66/-5.09	-2.35/-3.85	-3.99/-3.03	-3.74/-4.93	-4.47/-4.32
θ(165°)	-7.71/-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/-10.7	-9.72/-9.19	-7.6/-5.26	-3.74/-3.12	-3.64/-4.65	-5.79/-6.37	-7.06/-7.52	-6.71/-5.32	-3.88/-3.2	-3.09/-3.13	-3.06/-3.84	-3.52/-3.84	-2.87/-1.62	-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	-9.12/-10.71	-10.66/-9.43	-9.42/-10.51	-11.73/-12.36	-12.34/-12.34	-11.63/-9.79	-8.59/-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/-3.68	-6.62/-5.71	-4.69/-3.35	-2.66/-2.7	-3.31/-3.84	-3.75/-4.19	-4.61/-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	-8.86/-6.34	-5.48/-3.4	-3.71/-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/-8.47	-9.13/-8.63	-8.23/-7.27	6.15	-4.27/-4.1	-4.23/-4.09	-3.61/-3.16	-3.07/-3.15	-3.19/-3.42	-3.71/-3.99	-4.45/-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	-3.72/-3.75	-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	-3.99/-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/-10.78	-9.33/-8.54		
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	-1.61/-1.06	-0.72/-0.5	-0.53/-0.84	-1.36/-2.2	-3.02/-3.23	-3.51/-3.66	-4.18/-4.78	-5.14/-6.9	-4.18/-3.34	-2.74/-2.41	-2.34/-2.3	-2.16/-2.26	-2.71/-3.43	-4.25/-5.07	-5.83/-6.38	-6.29/-5.79	-5.48/-4.81	-4.2		
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	-0.181/-0.2	-1.91/-2.91	-4.15/-5.1	-5.18/-4.52	-3.21/-2.52	-1.91/-1.41	-1.06/-0.96	-1.11/-1.46	-2.21/-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/-1.01	-1.04/-0.97	-1.31/-1.36	-1.41/-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	-2.71/-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/-0.26	0.020/0.33	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/-3.1	-2.81/0.31	-3.33/-2.84	-1.10/-0.44	-0.97/-1.23	-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	0.390/2.1	-0.61/2.11	-2.75/-2.56	-1.31/-1	-1.3/-1.16		
θ(52.5°)	0.06/-0.22	0.78/1.56	1.94/2.89	3.32/3.86	1.670/6.05	0.460/5.1	0.83/0.03	-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/-3.0	0.140/9.8	1.01/0.6	0.04/0.86	-1.44/-0.73	-0.680/0.5	-0.86/-2.1		
θ(60°)	0.610/1.7	0.450/8.7	1.84/2.58	2.52/2.32	1.81/0.17	-1.88/-1.78	-1.17/-1.19	-1.19/-2.27	-2/4.45	-3.61/3.93	-4.89/-6.16	-4.99/-3.73	-1.77/-1.25	-1.98/-3.51	-3/4.25	-1.75/-3.21	-5.75/-4.27	-3/4.47	-0.92/0.43	1.47/0.6	0.91/0.29	-0.130/2.9	0.690/1.6	0.510/5.4		
θ(67.5°)	-0.910/1.1	0.430/7.3	0.510/8.8	0.950/8.9	1.050/4.0	-0.52/-1.55	-3/11.214	-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	-2.61/4.96	-4.41/2.27	-1.75/-2.38	-2.66/-3.93	-2.97/-1.56	-0.020/4.1	0.01/-0.31		
θ(75°)	0.211/2.9	0.33/-0.24	0.090/0.9	0.450/6.3	0.08/-0.6	-1.34/-0.86	-0.010/2.7	-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/-1.7	-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	-0.030/7.8		
θ(82.5°)	-0.630/-1.1	-0.84/-1.24	-0.64/-2.27	-1.66/-0.76	-0.56/-1.07	-0.50/0.8	0.67/0.2	0.820/0.46	-0.44/-0.53	-1.07/-0.25	-2.75/-1.31	-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	0.740/6.2	-0.56/-0.65	-0.38/-1.13	-2.71/4.7	-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	-0.870/0.1	0.930/5.2	-0.11/-0.58	-1.78/-2.26	-6.39/-5.6	-4.41/2.9	-4.75/-3.64	-5.59/-5.93	-2.89/-2.87	-3.51/-2.55	-1.21/-2.55	-0.75/-1.4	-3.27/-3.41	-4.52/-3.98	-4.11/2.38	-2.95/-3.94	-3.95/-3.79			
θ(105°)	-3.44/-8.2	-4.17/-4.56	-5.54/-9.5	-4.65/-3.17	-3.02/-3.07	-3.28/-3.11	-0.88/-0.27	-1.51/-1.2	-2.15/-2.88	-3.61/-3.54	-3.39/-2.21	-3.41/-4.59	-5.06/-6.61	-2.57/-4.46	-4.96/-6.17	-5.39/-6.57	-4.03/-1.26	0.191/4.2	-1.47/-2.5	-3.13/-5.86	-7.87/-4.33	-3.63/-4.53	-10.22/-10.48	-8.44/-5.8		
θ(112.5°)	-3.54/-3.19	-3.58/-3.5	-4.09/-3.55	-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	-5.14/5.4	-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	-2.91/-2.7	-1.15/-1.32	-1.21/-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/-2.6	-5.47/-5.91	-5.87/-3.76	-6.75/-6.8	-4.48/-3.69	-5.37/-6.6	-4.78/-6.51	-5.07/-3.35		
θ(127.5°)	-7.46/-5.14	-5.54/-5.66	-3.52/-2.1	-2.05/-2.47	-3.69/-3.19	-2.34/-1.29	-0.79/-0.21	-1.21/-1.6	-1.05/-0.33	-1.41/-2.36	-3.97/-4.63	-5.54/-6.27	-4.75/-6.19	-4.75/-4.4	-4.53/-6.04	-6.24/-6.63	-1.78/-4.01	-4.69/-2.87	-7.71/-6.67	-3.12/6.69	-5.67/-5.79	-4.63/-6.67	-8.74/-6.52			
θ(135°)	-5.88/-5.98	-4.58/-5.9	-6.36/-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	-4.57/4.1	-3.84/-3.69	-3.34/-5.37	-4.5/-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	-6.7/-6.44		
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/-5.35	-3.14/-3.09	-3.16/-1.5	-7.08/-2.97	-9.29/-8.22	-5.91/-5.26	-5.72/-6.78	-6.35/-5.42	-4.79/-3.92	-5.07/-3.87	-4.78/-1.28	-2.09/-3.27	-4.86/-6.35	-6.44/-5.4	-4.76/-1.4	-5.92/-4.53	-4.35/-4.7	-4.45/-4.93			
θ(150°)	-7.38/-7.94	-8.89/-9.41	-9.12	-7.74/-6.73	-7.01/-7.69	-6.79/-6.53	-6.37/-5.89	-6.12/-7.56	-9.82/-10.64	-12.73/-11.4	-10.55/-10.4	-8.79/-8.3	-8.55/-7.39	-5.34/-4.32	-3.55/-3.62	-5.26/-4.89	-3.61/-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/-8.2	-7.63/-6.76	-6.24/-6.69	-6.54/-6.22	-6.8/-8.17	-5.8/-7.5	-6.6/-6.43	-5.75/-6.4	-6.45/4.54	-5.21/6.55	-7.65/-7	-6.96/-7.65	-7.07/-6.1	-4.3/-6.2	-3.54/3.87	-3.27/2.11	-1.82/-2.6	-3.57/-4.08	-4.81/-7.29	-9.6/-8.72	-8.96/-9.05	-8.61/-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/-13	-8.88/-9.5	-9.74/-9.82	-9.59/-6.5	-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/-6.06	-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/-9.7	-7.4/-7.09	-6.75/-6.48	-6.18/-6.28	-6.61/-6.68	-7.16/-8.11	-8.92/-9.82	-10.53/-10.44	-9.77/-8.16	-8.13/-8.1	-9.02/-9.91	-9.11/-7.37	-9.52/-9.19	-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/-7.61		
θ(180°)	-8.95/-9.67	-8.85/-9.42	-8.63/-8.42	-8.48/-9	-8.35/-9.71	-9.06/-8.68	-8.92/-9.18	-8.93/-8.75	-7.66/-7.15	-7.51/-8.21	-8.79/-8.54	-8.54/-8.63	-8.84/-9.72	-11.31/-11.44	-11.49/-11.62	-10.75/-10.58	-10.64/-10.39	-10.37/-9.37	-8.62/-8.26	-8.1/7.2	-7.49/-7.37	-7.37/-7.23	-7.43/-8.49	-6.96/-6.95		



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

Appendix B

Table with columns for Frequency (MHz), Polarization, and various Gain values (Phi(0) to Phi(345)) for multiple angles (0 to 180 degrees).



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

Appendix B

Θ (127.5°)	-5.871-3.69	-2.611-1.86	-1.220-1.7	0.370-1.1	-0.612-2.18	-2.36-0.12	0.471-1.25	-2.41-2.03	-1.89-2.77	-4.13-6.38	-8.091-67	-6.84-8.32	-9.06-10.02	-9.46-11.07	-10.86-7.94	-5.55-4.59	-3.79-6.47	-1.24-1.04	-9.31-7.85	-5.11-3.56	-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	-1.11-2.5	-1.12-1.8	-3.95-2.78	-2.33-4.29	-4.49-6.32	-7.46-9.27	-10.45-11.09	-8.22-6.82	-9.68-11.53	-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	-2.51-5.26
Θ (142.5°)	-3.31-2.47	-2.45-3.03	-4.35-3.96	-4.34-4.57	-4.52-3.31	-5.58-3.6	-2.11-1.71	-2.07-3.05	-2.74-3.11	-4.36-6.68	-8.13-8.42	-6.91-7.33	-7.01-6.33	-7.62-7.98	-6.63-4.62	-2.19-2.24	-4.81-4.47	0.481-3.6	-1.01-2.66	-3.87-3.08	-3.73-3.08	-3.28-5.54	-2.76-1.24	-2.27-2.46
Θ (150°)	-8.47-6.39	-6.14-5.01	-4.1-3.87	-4.01-4.44	-4.34-4.06	-3.67-3.77	-3.72-4.01	-4.46-4.82	-4.81-8.42	-4.82-5.77	-6.51-6.44	-7.64-7.58	-5.79-4.98	-4.04-3.25	-2.71-3.2	-4.95-6.5	-4.02-3.28	-0.77-0.33	-1.73-3	-4.09-5.75	-9.54-9.7	-9.88-7.65	-5.06-3.47	-3.34-3.98
Θ (157.5°)	-8.05-7.42	-7.61-7.84	-7.48-6.78	-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	-8.84-8.76	-6.84-4.24	-2.82-3.24	-4.02-4.78	-6.99-8.33	-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°)	-4.59-4.95	-5.28-5.49	-6.07-5.62	-5.59-6.42	-6.83-6.6	-7.36-8.57	-9.59-9.76	-9.53-10.1	-10.47-9.89	-9.59-9.08	-8.99-8.26	-7.31-6.76	-5.91-5.03	-5.02-4.87	-4.13-3.14	-2.47-2.6	-2.12-2.36	-6.77-6.53	-4.81-3.56	-4.99-5.84	-8.11-6.86	-5.99-5.33	-4.34-2.25	
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	-8.71-6.35	-6.46-7.2	-8.84-9.73	-11.09-10.67	-11.47-11.19	-9.23-8.72	-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	-4.81-5.11	-5.49-5.74	-5.94-6.46	-6.85-7.91	-8.97-10.01	-10.29-7.8
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°)	-7.19-7.56	-8.75-10.66	-10.10-14	-9.88-9.24	-8.11-7.21	-6.49-6.06	-5.67-5.08	-4.52-4.39	-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	-6.06-6.89	-7.27-8.2		
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	-6.41-7.37	-7.31-7.12	-6.47-5.76	-6.32-6.43	-6.43-6.67	-7.71-8.35	-8.76-8.73
Θ (22.5°)	-6.85-5.3	-5.33-5.46	-6.19-5.7	-5.04-3.83	-3.41-3.41	-3.41-2.88	-2.79-3.3	-4.33-4.97	-5.18-4.61	-4.71-3.83	-3.25-3.57	-4.04-3.66	-3.61-3.46	-3.72-3.97	-4.18-4.65	-5.54-5.67	-7.1-6.7	-6.08-6.36	-6.16-6.33	-6.42-6.74	-6.81-6.72	-7.06-6.98	-6.11-6.24	-7.19-7.46
Θ (30°)	-6.11-4.99	-3.99-3.42	-2.99-2.01	-1.78-1.87	-2.81-3.43	-3.98-4.38	-4.83-5.02	-4.31-3.75	-3.23-2.89	-2.32-1.17	-1.12-2.16	-2.39-2.08	-3.04-4.11	-6.39-7.69	-7.19-6.67	-9.21-8.8	-7.28-6.08	-6.04-6.68	-6.11-6.23	-6.29-5.66	-6.51-6.65	-7.39-7.86	-8.65-9.95	
Θ (37.5°)	-2.45-1.16	-0.64-1.08	-1.72-1.79	-1.75-1.97	-1.81-2.27	-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	-7.61-7.01	-7.01-10.36	-9.33-7.03	-5.01-7.69	-9.71-10.85	-11.53-8.96	-7.61-7.87	-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	-1.01-1.14	-3.51-3.79	-3.67-3.63	-3.98-4.7	-6.69-7.0	-4.86-3.76	-6.98-6.39	-6.84-9.43	-9.04-7.49	-5.16-5.38	-6.35-7.82	-9.99-8.6	-5.71-3.32	-3.09-3.21	
Θ (52.5°)	-2.76-2.47	-3.11-1.88	-3.11-1.88	-0.71-0.69	-0.71-0.62	0.14-0.69	-0.12-0.9	-0.63-0.84	-0.56-1.08	-3.07-6.45	-5.68-4.35	-3.71-5.25	-6.52-5.11	-2.77-5.54	-6.71-8.84	-7.96-2.87	-4.75-6.55	-3.99-4.97	-6.81-5.84	-4.37-5.34	-7.21-7.04	-4.45-2.25	-1.71-2.97	
Θ (60°)	-1.57-1.03	-0.97-0.82	-2.47-2.2	-1.07-0.88	1.822-0.3	2.231-0.1	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	-8.21-6.7	-10.63-9.28	-7.06-4.99	-4.29-5.83	-5.09-3.93	-3.41-2.89	-2.46-3.04
Θ (67.5°)	-2.06-5.06	-0.48-0.05	-0.35-0.9	-1.42-0.9	0.131-66	1.390-53	0.09-0.69	-1.63-1.44	0.06-0.55	-1.24-0.48	-1.45-2.7	-4.78-7.43	-3.69-3.47	-4.52-8.42	-6.11-7.56	-9.81-8.5	-9.81-9.67	-8.05-8.22	-8.51-9.7	-1.98-6.46	-11.02-11.16	-10.03-7.08	-6.35-14.1	-3.58-2.07
Θ (75°)	-2.19-1.77	-0.59-0.84	-0.94-1.27	-3.28-3.37	-1.59-2.05	0.691-04	0.19-0.84	-0.102-0.55	-0.76-0.42	-0.28-1.4	-3.21-2.43	-4.62-5.61	-6.99-8.29	-9.72-7.61	-5.36-5.29	-1.71-10.42	-6.11-9.36	-9.35-5.6	-5.54-6.3	-4.94-5.81	-3.94-4.24	-3.74-2.46		
Θ (82.5°)	-1.02-1.13	-0.64-0.59	0.13-0.71	-1.79-0.9	-0.48-0.01	0.140-31	-0.27-0.15	-0.59-0.41	0.92-1.01	-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	-0.2-0.07	-1.82-2.61	-2.42-1.17	0.06-0.23	-0.04-0.11	-1.34-1.02	-0.38-1.29	-1.46-0.37	-2.27-2.57	-3.57-4.7	-4.65-3.82	-3.52-6.3	-8.35-7.21	-6.77-6.53	-9.37-7.1	-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	-0.91-1.21	-2.41-2.39	-0.69-0.68	-0.12-0.18	-1.44-1.02	-1.35-1.42	-0.71-1.05	-2.31-2.46	-4.04-5.7	-5.72-5.89	-6.84-7.86	-7.58-6.54	-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°)	-2.51-3.09	-1.71-1.93	-0.29-0.31	-0.45-0.34	0.23-2.29	-3.51-2.08	-0.21-0.44	-0.59-3.49	-2.24-1.3	-2.11-3.21	-2.58-3.34	-4.25-5.13	-6.31-6.29	-8.37-8.07	-6.09-5.29	-6.51-8.53	-7.56-7.75	-4.05-4.23	-11.44-10.43	-5.19-6.5	-5.91-5.23	-4.84-4.63	-3.61-4.63	-3.39-4
Θ (112.5°)	-3.29-1.62	-1.02-0.39	-0.55-1.95	-2.94-2.92	-1.49-2.5	-2.83-1.72	-0.8-0.49	-0.77-2.27	-2.38-2.27	-2.57-1.71	-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	-6.57-6.41	-5.93-4.02	-2.97-3.28	-2.38-2.63	
Θ (120°)	-1.71-6.3	-1.26-0.78	-0.81-1.24	-3.66-4.33	-2.87-2.45	-2.85-3.23	-2-1.2	-4.51-4.62	-4.33-3.25	-4.51-4.62	-4.38-5.24	-6.98-5.16	-4.71-7.04	-6.37-7.08	-6.81-5.41	-6.96-7.54	-9.27-11.88	-8.92-11.88	-4.86-5.56	-2.97-4.7	-4.41-7.8	-4.91-4.24	-0.95-1.29	
Θ (127.5°)	-2.11-2.47	-3.34-2.82	-2.03-2.21	-1.96-3.88	-5.89-4.9	-4.42-3.78	-3.78-2.97	-2.54-1.71	-1.63-2.14	-2.71-4.89	-6.24-6.93	-6.69-6.97	-6.37-7.51	-7.29-8.91	-9.08-7.96	-7.37-5.6	-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	-5.05-3.96	-2.73-1.52	-0.99-1.34	-1.85-1.83	-3.28-5.9	-7.26-6.79	-8.73-9.03	-7.51-6.49	-5.05-6.22	-6.27-6.51	-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	-3.71-3.08	-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	-4.27-9.7	-5.45-7.4	-10.98-9.38	-8.52-9.58	-6.52-6.64	-6.94-6.77	-6.57-7.33	-5.15-8.87	-6.87-7.09	-5.65-5.79	-3.41-3.35	-3.67-3.03	-4.47-4.58	-3.82-4.11	
Θ (150°)	-2.78-1.98	-0.94-0.82	-1.38-2.21	-3.51-4.39	-5.65-6.8	-4.65-5.89	-6.5-6.8	-5.56-5.69	-5.21-4.62	-4.06-4.37	-4.53-6.11	-8.21-9.42	-8.88-7.68	-9.19-9.47	-9.06-8.71	-8.21-7.58	-10.54-6.89	-5.73-5.81	-8.37-6.33	-6.44-7.93	-6.76-6.01	-5.81-5.66	-5.11-3.99	-3.22-3.14
Θ (157.5°)	-1.61-1.12	-1.24-1.71	-2.37-3.54	-5.99-8.21	-10.41-11.51	-8.88-9.12	-7.84-7.49	-7.85-8.8	-7.42-6.71	-7.24-6.57	-8.07-6.51	-5.18-4.49	-5.48-7.9	-7.81-7.48	-7.91-3.33	-8.13-9.39	-8.96-6.68	-9.34-10.94	-8.58-6.9	-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	-5.94-6.09	-6.88-7.64	-8.32-10.77	-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	-5.31-6.2	-5.34-6.8	-6.88-4.89	-6.71-5.37	-6.11-5.85	-5.69-5.59
Θ (172.5°)	-6.28-6.32	-5.54-5.25	-5.28-6.74	-8.35-8.65	-10.51-10.78	-10.51-9.58	-8.01-8.87	-6.54-6.26	-6.26-5.96	-5.21-4.71	-4.66-4.82	-5.04-5.91	-4.26-3.69	-3.34-2.97	-2.97-3.11	-3.13-3.5	-4.31-6.09	-8.57-8.72	-6.95-6.03	-6.61-5.94	-6.35-7.31	-7.36-7.03	-6.27-6.05	-6.02-8.3
Θ (180°)	-3.77-3.33	-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	-5.35-2.45
Freq(Hz)	6.995GPol.	Phi																						