



Radiated Composite Gain Data

Test Mode 2_For 2.4GHz and 5GHz U-NII 1 ~ U-NII 3

Appendix A.2

Theta (°)	-12.73/-11.23	-11.04/-11.18	-11.75/-12.46	-11.98/-11.41	-9.68/-9.47	-10.03/-10.31	-10.67/-9.75	-9.34/-9.01	-8.63/-8.87	-9.38/-11.07	-13.34/-17.11	-18.53/-18.07	-17.76/-17.91	-18.04/-18.4	-17.72/-19.15	-16.21/-16.09	-17.2/-18.02	-16.45/-15.24	-15.87/-16.92	-18.62/-18.05	-18.71/-17.75	-18.16/-18.85	-19.53/-18.04	-16.71/-15.11
Theta (22.5°)	-11.03/-12.23	-13.67/-16.18	-19.1/-18.04	-19.04/-17.44	-17.87/-17.29	-18.48/-19.15	-18.63/-18.77	-17.19/-15.15	-13.24/-12.04	-11.44/-11.21	-11.62/-12.74	-13.55/-14.19	-14.5/-16.68	-14.99/-16.15	-18.29/-18.09	-18.4/-18	-17.55/-18.8	-18.16/-17.74	-18.48/-17.61	-18.69/-17.73	-14.95/-12.23	-11.13/-10.44	-9.71/-9.64	-9.45/-10.01
Theta (30°)	-6.89/-6.41	-6.17/-6.25	-6.51/-7.06	-7.74/-8.67	-9.61/-10.48	-9.84/-9.25	-8.82/-10.65	-14.5/-18.98	-17.83/-18.69	-17.53/-13.61	-10.8/-9	-8.52/-8.76	-9.71/-10.13	-14.31/-13.87	-14.29/-16.24	-18.5/-18.55	-15.71/-13.17	-12.49/-12.66	-11.66/-9.53	-7.91/-7.02	-6.23/-6.6	-7.17/-7.69	-1.71/-6.9	-1.53/-8.07
Theta (37.5°)	-3.65/-3.39	-2.62/-1.73	-1.31/-1.8	-2.33/-2.56	-2.13/-2.4	-2.91/-3.65	-4.27/-4.73	-5.46/-6.94	-8.42/-9.59	-10.71/-17.7	-12.77/-12.32	-11.96/-11.1	-9.88/-8.44	-7.97/-7.71	-7.35/-7.28	-7.72/-7.7	-7.36/-6.66	-6.36/-6.16	-5.82/-5.21	-4.09/-3.28	-3.39/-4.13	-5.13/-5	-4.47/-4.44	-4.34/-4.14
Theta (45°)	-2.38/-2.01	-2.32/-2.39	-1.8/-1.6	-1.64/-1.7	-1.46/-1.35	-1.46/-1.25	-1.04/-0.97	-1.41/-1.98	-3.13/-4.98	-6.5/-6.14	-6.46/-8.04	-6.32/-6.03	-5.32/-5.31	-5.68/-5.15	-3.76/-2.94	-2.95/-3.14	-3.79/-4.5	-4.37/-3.28	-2.59/-1.68	-1.69/-2.15	-3.29/-3.66	-2.39/-3.96	-4.21/-3.77	
Theta (52.5°)	-1.53/-1.28	-1.79/-3.68	-5.32/-3.93	-3.83/-3.6	-3.91/-4.28	-2.65/-1.25	-1.38/-2.04	-2.59/-1.25	-1.38/-2.04	-3.32/-3.35	-2.36/-1.77	-1.62/-2.14	-3.29/-4.92	-5.84/-6.24	-5.71/-4.62	-4.63/-3.47	-2.18/-1.55	-1.59/-2.25	-2.48/-2.14	-1.43/-1.42	-1.94/-3.41	-5.21/-6.02	-3.58/-2.11	-1.24/-3.37
Theta (60°)	-1.45/-2.26	-1.51/-0.1	0.36/-0.14	0.05/-0.39	-1.79/-2.56	-3.11/-3.91	-5.02/-4.99	-3.44/-2.85	-2.73/-2.58	-2.41/-2.3	-2.54/-2.1	-1.28/-1.16	-1.4/-1.83	-2.9/-3.75	-4.08/-4.39	-3.67/-1.7	-1.29/-1.13	-1.2/-1.24	-2.18/-3.75	-4.53/-4.65	-4.27/-2.77	-1.26/-0.17	-0.05/-0.57	-1.18/-1.04
Theta (67.5°)	0.55/-0.97	0.90/68	0.22/0.07	0.78/1.11	1.32/1.39	0.71/0.58	-0.89/-1.07	-0.87/-0.85	-1.53/-2.42	-2.98/-3.29	-3.23/-2.53	-2.17/-1.75	-1.26/-1.2	-1.25/-1.07	-1.16/-1.42	-1.75/-3.13	-4.26/-3.7	-3.64/-4.1	4.36/-2.35	-0.42/0.8	1.62/1.88	1.17/0.34	-1.47/-0.43	-0.13/0.36
Theta (75°)	0.07/0.89	1.26/0.99	2.09/0.94	1.18/1.47	1.67/1.71	1.38/0.62	0.18/0.39	0.49/0.54	0.24/-0.1	-0.53/-0.46	-0.64/-1.27	-1.03/-0.6	-0.93/-0.86	-0.28/-0.18	0.20/0.6	3.71/2.28	0.83/1.28	1.56/1.79	1.78/0.89	1.68/2.95	2.99/1.6	-0.34/-1.19	-0.6/-0.29	0.13/0.16
Theta (82.5°)	2.21/0.87	-0.06/-1.66	-4.43/-2.77	-3.03/-0.27	-1.37/-2.3	-3.12/-2.83	-1.41/-0.18	-0.12/-0.63	0.34/0.43	0.98/1.19	0.93/0.47	-0.26/-0.6	-0.7/-0.94	-1.1/-0.75	-1.06/-1.27	-0.31/-1.22	0.17/1.46	1.85/1.33	-0.84/-1.32	-0.29/-0.28	-1.68/-2.67	-2.42/-0.63	0.71/1.73	2.15/2.52
Theta (90°)	-0.64/0.26	0.74/0.91	0.61/0.61	-1.08/-0.72	-1.77/1.11	0.86/-1.3	-2.17/-2.65	-2.16/-2.82	-4.29/-1.88	-1.69/-1.48	-0.28/0.33	0.48/0.33	-0.15/-0.3	-0.6/-1	-0.83/-1.5	-2.53/-4.39	-4.22/-5.49	-3.44/-3.72	-3.78/-5.3	-2.95/-0.8	0.12/0.59	1.03/-0.29	-1.13/-0.42	0.36/0.04
Theta (97.5°)	-0.61/0.53	-0.48/-0.21	-0.59/-1.76	-1.78/-0.96	0.24/0.47	0.41/0.02	-1.27/0.64	-0.4/0.6	-0.97/-3.07	-3.91/-3.47	-3.38/-2.64	-2.14/-2.88	-2.32/-1.39	-0.52/0.03	0.48/0.79	-1.11/-0.49	-1.23/0.04	-0.5/-1.19	-2.05/0.03	1.26/0.83	1.05/-0.55	-4.59/-5.29	-1.74/-0.93	-1.04/0.6
Theta (105°)	-0.77/-3.48	-2.99/-2.4	-4.2/-3.22	-4.55/-4.17	-3.14/-2.73	-3.28/-4.54	-2.88/-1.84	-1.71/-1.62	-1.92/-2.23	-1.82/-2	-2.89/-3.41	-4.44/-4.33	-4.6/-4.94	-3.68/-2.19	-1.32/-3.45	-3.01/-3.77	-1.71/-1.73	-0.01/-1.36	-2.2/-5.08	-4.8/-3.8	-7.76/-9.87	-5.13/-1.93	-2.38/-3.29	-2.61/-0.82
Theta (112.5°)	-2.74/-5.21	-10.52/-7.6	-8.21/-13.62	-7.54/-8.65	-4.41/-4.13	-5.49/-5.74	-6.48/-3.97	-2.92/-3.38	-3.6/-3.52	-3.85/-3.62	-3.44/-3.69	-3.46/-3.49	-3.34/-3.18	-5.22/-7.57	-6.29/-5.03	-6.36/-7.26	-11.81/-7.9	-11.99/-9.16	-13.97/-14.68	-3.71/-4.05	-1.73/-3.03	-1.39/-3.06	-5.11/-7.74	-7.05/-6.31
Theta (120°)	-8.44/-4.42	-8.29/-11.08	-6.43/-11.8	-6.81/-5.3	-6.83/-6.54	-6.39/-3.33	-10.94/-10.66	-9.38/-7.72	-10.89/-8.72	-4.52/-5.56	-5.84/-7.8	-5.3/-8.7	-2.71/-2.76	-2.42/-1.42	-3.52/-5.87	-4.47/-4.76	-1.3/-2.05	-0.99/-3.57	-1.81/0.21	0.61/-0.25	-1.48/-1.49	-3.72/-4.85	-4.24/-3.55	-9.33/-15.62
Theta (127.5°)	-5.73/-6.57	-10.81/-9.92	-7.17/-9.89	-6.42/-5.36	-5.79/-5.05	-5.01/-4.61	-6.97/-6.62	-10.04/-9.38	-10.43/-11.91	-16.67/-11.35	-8.95/-7.8	-7.32/-8.36	-8.19/-5.82	-6.74/-15.01	-17.66/-14.3	-7.96/-4.17	-3.74/-1.09	-3.11/-3.94	-5.75/-8.46	-6.93/-5.07	-11.66/-19.93	-15.25/-9.13	-8.57/-13.91	-14.68/-9.06
Theta (135°)	-5.03/-5.64	-6.71/-15.6	-13.69/-17.48	-8.3/-5.92	-7.88/-11.23	-11.82/-8.2	-6.89/-5.92	-5.1/-5.08	-6.93/-11.98	-15.66/-17.63	-16.83/-16.04	-16.99/-13.95	-9.19/-10.99	-12.45/-12.69	-14.25/-16.04	-18.72/-17.42	-17.82/-23.38	-18.74/-13.38	-12.49/-5.44	-5.03/-7.97	-7.38/-3.6	-2.72/-0.64	-11.41/-18.7	-14.53/-10.4
Theta (142.5°)	-3.11/-4.1	-8.47/-15.83	-16.79/-17.16	-14.59/-10.06	-9.99/-11.65	-13.59/-10.86	-9.11/-9.28	-10.85/-12.32	-11.43/-13.25	-15.09/-14.64	-12.57/-12.95	-10.81/-10.46	-9.24/-10.82	-14.84/-10.37	-5.98/-4.69	-3.25/-3.22	-5.71/7.37	-1.93/-1.89	-2.32/3.19	-3.47/5.05	-4.59/5.29	-1.74/0.93	-9.45/11.3	-6.98/4.05
Theta (150°)	-7.61/-6.73	-8.56/-12.54	-18.7/-18.78	-19.59/-14.34	-10.24/-9.33	-11.81/-15.89	-14.14/-13.3	-14.94/-17.4	-18.99/-15.77	-10.56/-9.61	-11.39/-12.98	-10.58/-8.47	-8.16/-9.54	-12.46/-16.54	-14.84/-10.62	-9.29/-7.26	-5.65/-7.1	-9.66/-7.75	-6.39/-5.07	-4.93/-7.07	-8.76/-10.08	-11.27/-9.99	-10.44/-13.7	-13.54/-9.89
Theta (157.5°)	-10.41/-10.2	-10.98/-12.74	-18.03/-18.47	-17.43/-18.77	-18.92/-17.97	-18.76/-17.57	-18.55/-10.63	-14.56/-11.11	-9.31/-8.8	-9.52/-10.69	-10.28/-8.46	-7.01/-6.44	-6.51/-6.92	-7.64/-4.99	-12.59/-17.76	-14.34/-10.41	-10.18/-12.97	-12.46/-10.41	-9.78/-7.84	-9.71/-5.88	-9.54/-11.6	-14.3/-13.77	-11.09/-10.76	-11.14/-11.32
Theta (165°)	-17.84/-16.03	-13.72/-15.29	-17.75/-18.48	-17.28/-13.85	-12.71/-11.7	-11.46/-12.06	-12.9/-12.75	-13.28/-12.93	-11.43/-9.82	-7.99/-6.68	-5.8/-5.23	-6.53/-6.48	-8.04/-9.86	-11.39/-12.57	-12.48/-12.31	-12.31/-10.45	-18.3/-18.44	-18.6/-18.88	-14.84/-13.41	-12.11/-11.51	-12.62/-14.59	-15.59/-14.13	-12.37/-13.15	-17.32/-14.24
Theta (172.5°)	-18.41/-16.3	-15.67/-15.88	-11.77/-18.82	-19.06/-18.32	-19.13/-18.43	-18.56/-18.14	-19.05/-16.92	-15.61/-14.92	-14.27/-13.68	-13.37/-12.48	-11.49/-11.35	-12.05/-13.32	-14.25/-15.45	-15.77/-15.61	-18.49/-14.87	-14.97/-15.91	-18.72/-14.05	-12.86/-12.35	-12.31/-13.01	-14.3/-16.58	-18.83/-18.14	-18.35/-18.02	-19.22/-18.61	-18.64/-17.86
Theta (180°)	-19.05/-17.7	-18.48/-17.81	-17.94/-19.19	-18.21/-18.6	-18.57/-18.53	-17.94/-16.57	-15.81/-16.35	-16.99/-16.75	-16.67/-16.27	-15.92/-16.8	-18.43/-18.49	-19.39/-18.97	-18.42/-19.05	-18.79/-17.39	-18.71/-17.68	-18.03/-15.79	-13.78/-12.62	-12.02/-11.89	-11.73/-11.77	-12.61/-13.4	-13.34/-12.74	-12.33/-13.07	-14.41/-15.65	-17.77/-18.24
Freq (Hz)	5.3GPol	Phi/Ant 2	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-
Gain	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 (0°)	-13.77/-15.68	-16.38/-15.49	-14.52/-15.03	-17.28/-18.7	-17.94/-17.73	-18.62/-18.49	-19.32/-18.66	-17.58/-15.65	-14.76/-13.67	-12.84/-12.6	-11.43/-11.26	-10.87/-10.74	-11.55/-12.91	-13.95/-14.86	-14.83/-14.88	-15.83/-16.86	-19.02/-17.71	-17.57/-18.84	-15.79/-14.62	-14.19/-13.06	-12.69/-12.02	-11.01/-10.13	-9.53/-9.08	-10.26/-12.22
Theta (7.5°)	-10.66/-11.43	-14.35/-16.24	-17.29/-17.78	-18.18/-17.05	-15.64/-13.81	-12.85/-12.7	-12.14/-11.26	-10.53/-10.37	-9.84/-9.5	-9.12/-9.94	-12.99/-13.5	-16.43/-15.73	-14.65/-15.59	-18.01/-17.96	-16.82/-17.36	-18.31/-18.66	-19.32/-18.92	-17.23/-14.79	-13.34/-12.25	-11.06/-11.19	-10.29/-9.07	-9.21/-10.54		
Theta (15°)	-8.68/-7.84	-9.24/-11.26	-14.56/-17.38	-16.39/-17.11	-18.79/-18.32	-15.82/-13.09	-11.17/-10.84	-11.13/-11.61	-12.19/-12.57	-12.71/-11.45	-11.11/-10.75	-10.77/-11.27	-12.92/-13.23	-14.3/-15.64	-15.12/-15.71	-16.89/-16.89	-17.08/-17.94	-18.42/-17.43	-18.21/-18.88	-15.34/-12.93	-10.9/-9.7	-9.67/-8.27	-8.2/-8.07	-7.81/-9.02
Theta (22.5°)	-8.72/-8.4	-9.89/-13.2	-16.7/-15.92	-12.55/-11.16	-11.93/-12.54	-18.82/-17.72	-18.56/-15.84	-15.48/-16.77	-18.04/-16.01	-14.05/-12.16	-11.45/-11.05	-10.81/-10.54	-10.79/-10.86	-11.76/-13.07	-14.22/-14.31	-14.42/-15.32	-15.7/-15.4	-18.11/-18.19	-19.23/-13.77	-11.56/-10.94	-9.85/-9.2	-8.64/-8.63	-9.04/-8.9	-9.18/-9.32
Theta (30°)	-11.52/-11.11	-11.52/-11.63	-10.72/-11.72	-16.35/-18.78	-15.08/-14.46	-15.52/-16.14	-15.7/-17	-19.56/-18.53	-18.74/-17.7	-18.73/-18	-17.24/-19.3	-13.83/-12.65	-11.99/-11.94	-12.86/-13.41	-14.59/-17.35	-18.36/-19.21	-15.03/-16.79	-18.62/-17.03	-18.12/-17.37	-15.78/-10.5	-9.16/-10.13	-11.52/-13.37	-15.11/-16.74	-14.88/-12.62
Theta (37.5°)	-17.75/-18.5	-19.47/-17.76	-16.82/-14.08	-13.42/-16.83	-18.18/-24	-18.83/-17.6	-13.94/-15.24	-16.29/-15.62	-19.63/-17.87	-17.82/-16.2	-16.69/-16.02	-18.44/-17.82	-17.67/-17.54	-17.84/-17.62	-18.89/-18.85	-17.54/-18.58	-18.21/-17.52	-18.05/-13.65	-14.52/-17.38	-18.53/-17.42	-18.11/-17.94	-19.14/-18.82	-16.36/-18.29	-17.86/-19.58
Theta (45°)	-15.22/-13.75	-14.49/-15.98	-18.69/-18.43	-18.12/-18.44	-18.44/-17.51	-18.71/-17.34	-13.06/-11.45	-13.31/-13.59	-14.52/-12.77	-13.78/-16.35	-13.42/-11.71	-11.81/-14.04	-16.21/-17.08	-19.43/-18.39	-18.63/-17.33									



Radiated Composite Gain Data

Test Mode 2_For 2.4GHz and 5GHz U-NII 1 ~ U-NII 3

Appendix A.2

Theta (112.5°)	6.42/-4.09	-3.21/-4.01	-6.2/-8.03	-7.97/-8.23	-9.59/-11.19	-11.98/-13.2	-14.37/-13.33	-11.55/-10.56	-9.49/-8.01	-6.8/-9.4	-5.22/-4.57	-4.4/-4.97	-6.19/-7.55	-8.55/-9.42	-11.18/-13.98	-16.65/-17.95	-16.66/-14.72	-11.51/-7.9	-5.65/-4.82	-5.51/-7.67	-10.82/-13.92	-15.61/-12.93	-9.6/-8.08	-8.44/-8.79
Theta (120°)	-5.54/-4.66	-4.77/-6.69	-10.39/-10.99	-8.36/-6.86	-6.1/3.3	-5.41/-6.5	-8.17/-9.72	-11.31/-12.87	-13.99/-13.75	-13.43/-13.81	-12.88/-10.29	-7.63/-6.01	-5.18/-4.81	-5.01/-5.85	-7.43/-9.78	-12.58/-12.74	-10.59/-9.77	-10.04/-9.21	-7.6/-7.42	-9.97/-17.44	-18.45/-11.63	-8.59/-6.24	-4.78/-4.4	-5.01/-5.95
Theta (127.5°)	-6.43/-6.5	-6.89/-8.63	-13.61/-10.35	-17.63/-12.25	-10.63/-9.79	-9.38/-8.62	-7.07/-5.86	-5.89/-6.96	-8.23/-7.9	-6.31/-5.24	-5.26/-6.29	-1.94/-8.02	-11.26/-12.25	-13.07/-13.99	-14.46/-13.47	-9.93/-6.84	-5.43/-5.82	-8.27/-14.01	-17.86/-17.43	-13.92/-13.79	-13.48/-13.15	-13.54/-13.6	-11.94/-9.22	-7.90/-6.6
Theta (135°)	-3.25/-4.02	-5.11/-6.6	-8.43/-8.23	-6.53/-5.56	-5.74/-7.18	-10.72/-17.85	-18.75/-11.49	-9.05/-9.05	-11.17/-14.74	-13.63/-9.54	-7.15/-5.93	-5.41/-5.21	-5.22/-5.31	-5.37/-5.49	-6.16/-96	-7.97/-8.77	-9.95/-11.27	-13.58/-18.03	-18.14/-14.12	-11.96/-13.88	-19.46/-18.93	-17.11/-12.61	-9.04/-6.12	-4.09/-3.13
Theta (142.5°)	-8.09/-8.67	-10.32/-8.94	-6.74/-4.59	-3.01/-2.23	-2.29/-2.84	-4.43/-7.2	-11.51/-16.68	-15.14/-13.93	-10.86/-11.64	-13.68/-15.77	-14.23/-10.47	-7.63/-5.82	-4.88/-4.4	-6.53/-3.1	-6.57/-8.05	-9.03/-8.79	-7.58/-5.64	-6.53/-8.07	-11.38/-14.2	-11.95/-10.37	-10.72/-12.36	-13.58/-12.92	-11.22/-9.31	-8.7/-8.73
Theta (150°)	-16.51/-17.8	-17.63/-15.09	-10.17/-7.15	-5.13/-3.86	-3.27/-3.32	-4.15/-6.3	-13.63/-10.06	-10.34/-8.6	-6.97/-6.31	-6.53/-7.18	-6.97/-6.31	-3.24/-2.88	-2.93/-4.1	-4.14/-5.99	-4.97/-5.39	-6.14/-9.9	-8.07/-9	-8.54/-6.42	-4.95/-4.69	-5.57/-8.89	-11.82/-17.22	-19.21/-19.07	-17.29/-15.78	-8.73/-8.31
Theta (157.5°)	-12.21/-13.01	-15.29/-19.11	-18.51/-14.08	-10.54/-8.31	-7.11/-6.44	-6.57/-7.43	-9.25/-12.16	-16.59/-16.03	-10.67/-7.41	-5.33/-4.23	-3.97/-3.88	-4.01/-4.45	-5.24/-6.29	-7.27/-8.01	-8.37/-8.71	-9.68/-11.61	-14.8/-16.82	-15.36/-12.6	-10.13/-7.94	-6.76/-6.98	-8.59/-11.82	-17.51/-17.81	-17.38/-17	-14.43/-13.06
Theta (165°)	-8.79/-9.12	-9.84/-11.22	-12.51/-12.94	-12.19/-11.06	-10.12/-9.68	-9.76/-10.35	-11.84/-14.75	-18.01/-18.55	-11.72/-7.63	-5.06/-3.39	-2.34/-1.6	-1.31/-1.37	-1.79/-2.55	-3.4/-3.49	-5.57/-7.4	-10.29/-13.79	-16.36/-15.73	-14.71/-14.64	-14.54/-15.08	-15.55/-17.14	-18.54/-19.27	-16.99/-14.71	-12.98/-11.54	-10.21/-9.48
Theta (172.5°)	-8.36/-9.31	-10.6/-11.85	-12.01/-11.05	-10.17/-9.69	-9.61/-10.33	-11.39/-12.95	-15.29/-18.54	-18.89/-19.43	-12.74/-9.16	-6.62/-4.87	-3.69/-2.77	-2.21/-1.86	-1.74/-1.81	-2.05/-2.61	-3.65/-5.16	-7.13/-8.67	-9.84/-11	-12.33/-14.58	-18.17/-17.28	-17.56/-17.17	-17.71/-14.64	-12.51/-11.02	-9.84/-8.97	-8.37/-8.31
Theta (180°)	-8.28/-8.3	-8.15/-7.73	-7.03/-6.35	-6.09/-6.43	-7.25/-8.57	-10.3/-13.04	-16.8/-17.51	-18.08/-17.54	-13.99/-11.59	-9.76/-8.38	-7.37/-6.53	-5.93/-5.42	-4.96/-4.59	-4.52/-4.9	-5.78/-6.75	-7.46/-7.76	-8.35/-9.54	-11.4/-14.19	-18.28/-18.81	-18.27/-17.35	-14.53/-12.55	-11.19/-8.66	-8.6/-7.92	-7.71/-7.94
Freq(Hz)	2.450Pol.	Phi/Ant. 3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gain	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 (0°)	-11.69/-15.81	-15.68/-12.38	-9.39/-6.86	-4.82/-3.27	-1.99/-0.9	-0.12/0.3	0.54/0.67	0.7/0.53	0.21/0.37	-1.25/-2.47	-4.04/-5.93	-8.14/-10.53	-11.59/-10.58	-8.32/-5.95	-3.95/-2.35	-1.11/-0.14	0.61/1.12	1.46/1.69	1.82/1.82	1.76/1.64	1.51/1.24	0.69/0.2	-1.5/-3.2	-5.27/-9.3
Theta (7.5°)	-14.73/-13.77	-10.56/-8.48	-7.14/-5.84	-4.45/-3.27	-2.23/-1.35	-0.84/-0.63	-0.52/-0.36	-0.25/-0.27	-0.41/-0.73	-1.21/-1.87	-2.76/-3.95	-5.55/-7.76	-10.37/-13.17	-13.89/-10.56	-8.89/-4.22	-2.18/-0.66	0.51/2.7	1.78/2.1	2.32/2.35	2.26/2.03	1.62/0.96	-0.01/-1.18	-2.81/-4.96	-7.92/-11.98
Theta (15°)	-18.14/-12.26	-8.13/-6.11	-5.4/-3.2	-2.04/-1.46	-1.23/-1.42	-1.78/-1.97	-1.99/-2	-1.95/-1.93	-1.97/-2.05	-1.87/-2.02	-1.59/-1.93	-1.97/-2.05	-1.87/-2.02	-1.59/-1.93	-1.97/-2.05	-1.87/-2.02	-1.59/-1.93	-1.97/-2.05	-1.87/-2.02	-1.59/-1.93	-1.97/-2.05	-1.87/-2.02	-1.59/-1.93	-1.97/-2.05
Theta (22.5°)	-15.21/-11.22	-7.92/-5.75	-4.34/-3.58	-3.02/-2.37	-1.67/-1.09	-1.03/-1.45	-1.97/-2.06	-1.87/-1.64	-1.38/-1.2	-1.07/-1.14	-1.49/-2.27	-3.53/-5.55	-8.47/-12.95	-18.11/-13.78	-9.24/-6.07	-3.65/-1.84	-0.41/0.61	1.33/1.77	2.08/2.16	1.94/1.28	0.18/-1.33	-3.03/-4.71	-6.39/-8.23	-10.84/-14.11
Theta (30°)	-11.41/-12.19	-9.56/-6.36	-4.11/-2.79	-2.04/-1.54	-1.06/-0.76	-0.98/-1.61	-2.08/-1.84	-1.15/-0.52	-0.03/0.2	0.26/0.13	-0.28/-0.15	-2.28/-4.03	-6.51/-9.65	-11.78/-9.75	-6.67/-4.52	-2.92/-1.69	-0.65/0.1	0.61/0.95	1.13/1.14	0.85/0.03	-1.31/-2.71	-4.16/-4.44	-6.15/-6.81	-7.94/-9.54
Theta (37.5°)	-13.61/-13.69	-8.89/-5.21	-2.71/-1.01	0.04/0.6	0.84/0.7	0.11/-1.12	-2.31/-2.5	-1.69/-0.57	0.36/0.87	1.11/1.02	0.55/-0.28	-1.49/-1.18	-5.41/-8.22	-9.93/-9.7	-2.72/-2.16	-1.62/-1.22	-0.90/-0.39	0.09/0.42	0.80/0.03	-1.01/-1.78	-3.02/-4.31	-4.61/-5.41	-6.49/-6.78	-8.61/-11.09
Theta (45°)	-9.53/-7.85	-5.86/-4.11	-2.34/-0.6	0.84/1.93	2.67/2.99	2.62/1.64	0.26/-1.19	-2.31/-2.48	-1.84/-1.21	-0.71/-0.51	-0.79/-1.49	-2.51/-3.71	-5.25/-7.31	-9.72/-10.18	-7.59/-5.4	-4.37/-3.93	-3.57/-3.03	-2/0.59	0.52/1.07	1.11/0.64	-0.26/-1.7	-3.55/-5.35	-6.69/-7.85	-9.19/-10.16
Theta (52.5°)	-4.58/-4.83	-5.41/-6.04	-5.99/-7.49	-2.92/-0.96	0.61/1.76	2.07/1.8	1.25/0.7	0.32/0.08	-0.48/-1.9	-4.5/-6	-6.52/-16.6	-6.02/-6.61	-8.48/-12.5	-17.93/-18.4	-11.93/-8.34	-6.13/-4.4	-2.92/-1.67	-0.44/0.61	1.11/0.9	0.07/-1.1	-2.34/-3.52	-4.02/-4.34	-2.81/-2.89	-3.55/-4.31
Theta (60°)	-5.39/-6.85	-9.54/-13.34	-18.59/-18.48	-11.96/-6.78	-3.4/-0.99	0.12/0.07	2.01/1.8	1.25/0.7	0.32/0.08	-0.48/-1.9	-4.5/-6	-6.52/-16.6	-6.02/-6.61	-8.48/-12.5	-17.93/-18.4	-11.93/-8.34	-6.13/-4.4	-2.92/-1.67	-0.44/0.61	1.11/0.9	0.07/-1.1	-2.34/-3.52	-4.02/-4.34	-2.81/-2.89
Theta (67.5°)	-14.76/-17.34	-17.42/-18.04	-17.52/-11.34	-7.43/-4.58	-2.44/-0.21	1.54/2.47	2.18/0.27	-3.28/-5.66	-3.88/-1.65	-0.91/-1.4	-3.63/-8.66	-18.15/-13.28	-7.47/-4.69	-3.15/-2.04	-1.25/-0.95	-1.23/-1.99	-2.63/-0.32	-3.2/-2.6	-1.48/-0.26	0.65/0.79	-0.04/-1.56	-3.21/-4.7	-6.53/-9.03	-11.91/-14.35
Theta (75°)	-11.55/-11.6	-11.87/-13.34	-17.32/-18.39	-15.17/-10.39	-8.45/-6.13	-2.6/0.25	1.82/1.3	1.68/0.72	-1.14/-2.9	-9.19/-11.08	-8.85/-8.82	-10.79/-13.22	-12.67/-9.82	-7.3/-5.36	-4.24/-2.21	-5.39/-6.52	-1.41/2.1	1.04/1.21	0.58/-1.8	-4.11/-8.14	-13.47/-17.77	-16.84/-13.99	-12.17/-11.46	-8.73/-8.31
Theta (82.5°)	-12.31/-12.91	-14.2/-16.22	-18.15/-14.89	-10.32/-10.74	-5.45/-5.23	-4.53/-4.26	-1.39/-0.14	0.38/0.08	-1.48/-4.2	-8.55/-13.91	-13.07/-9.79	-7.38/-5.34	-3.72/-4.28	-1.82/-1.74	-5.22/-2.08	-1.19/-0.14	0.45/0.39	0.18/-0.29	-1.69/-3.42	-6.43/-9.14	-12.78/-17.72	-19.17/-27	-15.55/-12.96	-8.73/-8.31
Theta (90°)	-9.95/-8.28	-8.02/-8.72	-10.41/-11.67	-10.37/-9.02	-9.53/-10.65	-6.03/-1.93	-0.13/0	-0.85/-1.98	-3/-3.41	-3.01/-2.99	-4.1/-6.21	-8.34/-9.18	-18.18/-6.04	-3.74/-1.87	-0.76/-0.81	-2.56/-4.43	-3.44/-1	0.37/0.79	0.88/0.22	-1.74/-5.14	-10.03/-18.34	-18.52/-16.47	-14.51/-16.97	-18.46/-13.26
Theta (97.5°)	-9.96/-9.64	-9.96/-10.16	-8.8/-5.54	-2.55/-0.87	-0.88/-0.39	-7.09/-2.53	-1.46/0.29	0.73/0.36	-0.73/-1.8	-2.02/-2.47	-4.34/-6.73	-11.22/-13.98	-16.34/-16.51	-11.75/-7.68	-5.51/-5.66	-7.25/-4.82	-1.09/0.88	1.16/0.31	-0.87/-1.92	-3.06/-7.5	-7.37/-11.51	-11.83/-18.7	-17.77/-13.37	-14.22/-11.12
Theta (105°)	-9.54/-9.4	-9.21/-9.02	-8.46/-6.58	-5.51/-0.92	0.13/0.63	-1.63/-1.79	-1.66/0.99	2.25/2.29	1.15/-0.9	-2.49/-2.67	-3.22/-4.88	-7.11/-9.57	-12.41/-16.52	-14.02/-9.18	-6.14/-4.4	-1.64/-1.28	-0.28/-1.73	-2.5/-3.33	-1.76/-1.79	-11.03/-8.07	-17.77/-18.51	-18.37/-8.99	-8.63/-9.95	-8.73/-8.31
Theta (112.5°)	-5.19/-5	-5.24/-5.65	-6.8/-8.21	-5.76/-1.86	0.34/0.88	-0.37/-3.8	-7.27/-3.53	0.25/2.14	2.78/2.3	1.12/-0.71	-3.43/-6.94	-10.43/-14.33	-17.6/-18.01	-10.17/-6.45	-5.1/-5.37	-5.11/-3.58	-1.96/-1.45	-3.19/-8.23	-7.13/-3.53	-3.67/-7.29	-13.5/-13.21	-10.34/-10.04	-11.51/-11.06	-7.93/-5.76
Theta (120°)	-9.29/-7.67	-6.51/-5.44	-5.11/-5.35	-5.12/-3.16	-0.84/0.75	1.24/0.58	-1.07/-3.22	-4.9/-4.87	-3.14/-1.21	0.27/0.8	0.26/-1.01	-2.5/-4.5	-8.25/-14.7	-9.61/-6.56	-4.95/-6.87	-11.26/-13.78	-10.16/-7.7	-5.85/-2.73	-0.13/0.3	-1.75/-3.66	-10.38/-9.18	-8.67/-8.28	-10.92/-15.71	-18.55/-12.54
Theta (127.5°)	-7.25/-5.65	-4.41/-3.4	-3.02/-3.8	-6.12/9.99	-10.24/6.93	-4.69/-3.75	-3.12/-2.11	-1.17/-1.2	-2.48/-9.3	-7.11/6.56	-5.43/-4.76	-4.46/-9.82	-6.41/9.37	-12.82/-16.37	-14.96/-6.64	-4.02/-1.5	0.44/1.13	-0.34/-1.31	-3.54/-7.76	-18.09/-9.67	-4.93/-3.71	-4.28/-5.86	-8.84/-9.51	-17.41/-10.21
Theta (135°)	-5.84/-5.86	-5.73/-5.54	-5.81/-7.26	-10.69/-13.85	-9.1/-2.6	-3.5/-3.51	-5.17/-4.5	-6.99/-5.11	-4.13/-4.24	-5.14/-6.44	-8.22/-10.93	-15.21/-17.97	-13.35/-9.48	-8.16/-8.65	-8.67/-6.33	-4.01/-2.68	-2.38/-3.92	-0.42/-1.15	-3.99/-1.21	-0.71/-1.8	-14.73/-10.03	-18.31/-8.66	-11.72/-8.57	-6.91/-6.1
Theta (142.5°)	-5.2/-8.4	-12.13/-16.14	-18.04/-19.11	-16.97/9.61	-5.1/2.06	-0.22/0.55	0.34/0.75	-2.55/-0.55	-8.81/-4.48	-17.34/-15.79	-12.14/-11.79	-12.77/-15.44	-19.23/-17.66	-18.31/-16.85	-11.84/-8.47	-6.12/-4.47	-3.35/-2.55	-1.14/0.75	2.12/2.7	1.1/1.92	-5.82/-5.76	-2.86/-1.1	-0.34/-0.42	-1.29/-2.97
Theta (150°)	-10.51/-17.9	-18.09/-11.87	-8.99/-7.66	-7.42/-7.61	-6.59/-4.27	-1.99/-0.43	0.36/0.54	0.23/-0.48	-1.78/-3.63	-6.21/9.62	-13.99/-14.79	-16.52/-13.13	-10.64/-8.69	-6.88/-5.15	-3.59/-2.53	-1.26/-0.4	-0.71/0.93	-1.43/-2.9	-6.22/-10.72	-6.73/-2.53	-0.35/0.49	0.39/-0.54	-2.43/-5.59	-8.73/-8.31
Theta (157.5°)	-19.37/-12.43	-18.62/-5.97	-4.6/-4.07	-4.54/-6.14	-8.4/-9.22	-6.79/-4.2	-3.39/-1.28	-0.64/-0.5	-0.89/-1.79	-3.27/-5.11	-7.34/-9.99	-12.86/-13.31	-11.28/-9.39	-6.02/-6.93	-6.06/-5.35	-4.91/-4.88	-5.38/-6.3	-7.65/-9.43	-15.59/-11.34	-7.2/-4.82	-3.77/-3.74	-4.7/-6.85	-10.17/-8.51	-8.73/-8.31
Theta (165°)	-9.62/-7.57	-6.25/-3.2	-4.78/-4.86	-5.9/-8.43	-13.18/-9.5	-13.14/-7.88	-4.92/-3.09	-1.93/-1.35	-1.32/-1.76	-2.83/-4.3	-6.39/-8.52	-10.85/-13	-13.69/-13.78	-13.87/-13.46	-12.14/-10									



Antenna Pattern Test Mode 1_For 2.4GHz and 5GHz U-NII 1 ~ U-NII 3

Appendix B.1

θ (22.5°)	-7.26/-7.04	-6.25/-6.40	-6.98/-7.15	-6.17/-6.61	-4.27/-4.43	-4.45/-4.68	-5.27/-5.52	-5.28/-4.99	-4.90/-5.00	-5.63/-6.56	-6.83/-6.52	-5.45/-6.75	-8.07/-7.51	-7.23/-8.56	-11.48/-13.99	-14.68/-14.23	-12.47/-12.87	-13.24/-10.52	-8.14/-7.31	-7.32/-6.88	-6.50/-6.54	-6.92/-7.26	-6.69/-5.74	-5.33/-6.13
ϕ (30°)	-6.75/-6.99	-7.23/-6.72	-6.46/-6.84	-7.36/-7.14	-7.17/-7.21	-7.10/-7.75	-6.89/-9.11	-9.42/-8.22	-6.46/-5.44	-4.85/-4.54	-4.98/-6.55	-8.13/-7.80	-8.10/-10.54	-11.30/-9.00	-7.07/-6.66	-7.83/-9.57	-9.91/-8.03	-7.04/-5.98	-4.57/-4.34	-5.33/-6.30	-6.27/-5.66	-5.32/-5.02	-5.14/-5.74	-6.01/-6.12
ϕ (45°)	-4.10/-4.00	-3.48/-3.44	-2.84/-3.05	-3.34/-2.70	-3.07/-3.77	-3.27/-2.22	-2.13/-3.25	-4.74/-5.01	-5.45/-6.89	-7.78/-6.42	-5.71/-4.71	-4.62/-4.21	-2.99/-1.84	-1.45/-2.52	-4.38/-5.01	-6.12/-6.74	-4.67/-3.92	-5.36/-3.33	-5.50/-5.89	-6.20/-6.87	-7.98/-7.79	-6.47/-5.06	-4.12/-4.37	-4.46/-4.19
ϕ (52.5°)	-1.68/-1.83	-1.80/-1.94	-2.28/-2.79	-2.42/-1.47	-1.07/-1.02	-0.87/-0.51	0.03/-0.43	-0.02/0.82	0.57/-0.22	-0.97/-1.62	-1.06/-0.97	-3.16/-4.19	-2.80/-2.74	-2.66/-2.26	-2.44/-2.38	-2.11/-2.04	-1.82/-1.72	-3.46/-5.16	-2.81/-2.52	-2.58/-1.77	-1.36/-1.87	-1.87/-1.91	-1.60/-1.52	-1.50/-1.60
ϕ (60°)	-3.61/-2.90	-1.91/-2.51	-3.64/-3.00	-2.37/-2.96	-2.07/-1.67	-3.43/-3.64	-2.54/-3.78	-2.64/-1.05	0.36/0.58	0.18/0.18	0.91/0.44	-0.89/-0.81	-2.50/-4.08	-3.93/-3.43	-2.90/-2.43	-2.10/-1.58	-0.32/0.60	-0.43/-1.32	0.06/0.50	-0.53/0.29	-0.37/0.51	-1.41/-1.81	-1.96/-1.95	-1.82/-2.49
ϕ (67.5°)	-0.88/-1.08	-0.02/0.51	0.49/-0.26	-1.11/-1.58	-0.95/-1.57	-3.33/-3.84	-4.87/-4.87	-3.25/-2.96	-3.98/-5.06	-4.23/-1.93	-1.56/-1.95	-0.80/-1.26	-1.50/0.63	-0.35/-0.88	-0.85/-1.50	-3.37/-4.16	-1.56/-0.63	-1.64/-1.99	-1.91/-2.33	-2.52/-0.37	-0.02/-2.16	-2.87/-2.01	-1.54/-2.57	-2.31/-1.27
ϕ (75°)	-0.60/-0.43	-0.14/0.76	0.82/-0.48	-3.17/-1.29	1.60/0.66	-0.99/0.39	1.57/0.48	1.10/2.16	1.02/1.16	-1.82/-1.78	-2.74/-1.66	-0.84/-1.04	-0.02/0.76	0.24/0.63	-0.24/-2.59	-2.08/0.80	0.71/-1.38	-3.26/-3.38	-5.63/-3.84	-1.44/-2.11	-2.33/-1.18	0.44/0.48	-0.41/0.86	
ϕ (82.5°)	-2.56/-3.65	-3.72/-1.82	-1.64/-3.12	-3.23/-1.32	-0.65/-2.08	-1.58/-0.52	0.18/-1.66	1.25/1.86	1.01/0.06	0.98/1.76	1.60/0.52	0.72/0.63	-2.24/-4.19	-2.05/-1.31	-2.45/-1.95	-1.70/-2.01	-1.38/0.22	0.01/-0.50	0.25/-0.88	-0.01/0.50	0.88/-0.54	0.88/-0.54	-2.63/-3.03	
ϕ (90°)	-4.15/-2.92	-2.80/-1.07	0.31/0.18	-1.56/-2.16	-0.73/-0.22	-2.58/-3.98	-3.51/-4.94	-3.25/-3.72	-3.58/-3.65	-3.22/-0.91	-0.96/-0.99	0.71/0.83	2.54/1.79	-1.61/-4.52	-2.62/-2.31	-3.68/-3.85	-3.31/-2.90	-4.13/-4.54	-2.44/-4.63	-2.87/-1.27	-3.52/-4.70	4.43/-3.57	-2.97/-3.07	-4.81/-5.79
ϕ (97.5°)	-4.84/-3.14	-2.88/-4.06	-3.43/-2.74	-4.47/-4.02	-0.78/-0.50	-3.40/-2.59	-0.59/-1.26	1.58/1.19	-1.30/-3.23	-4.10/-3.24	-7.95/-2.21	-3.05/-7.51	1.59/1.25	-0.64/-2.70	-1.89/0.54	-0.89/-0.37	-0.31/1.53	-0.40/-4.83	-3.58/-3.34	-4.17/-2.16	-1.89/-3.53	-1.70/-1.04	-1.75/-2.67	-2.97/-4.22
ϕ (105°)	-15.18/-12.81	-8.34/-7.53	-6.68/-6.59	-6.38/-3.99	-2.49/-2.84	-5.06/-4.05	-5.92/0.97	0.37/0.11	-0.88/-2.68	-1.93/0.81	-3.90/-2.42	-5.25/-2.25	-2.48/-3.88	-2.85/-1.90	-2.58/-4.11	-1.78/-5.04	-1.33/-1.34	0.52/-2.09	1.16/-1.84	-0.13/0.23	-0.84/-4.15	-4.49/-2.07	-4.64/-5.81	-7.34/-11.18
ϕ (112.5°)	-5.26/-3.67	-2.69/-2.71	-2.66/-3.28	-4.30/-3.50	-3.41/-3.39	-5.60/-5.77	-5.66/-7.08	-2.90/-3.28	-5.05/-7.61	-4.43/0.13	-5.26/-3.57	-11.99/-2.28	-0.92/-5.80	-7.98/-5.02	-1.75/-0.00	-1.20/-7.89	-5.49/-3.46	-8.91/-7.57	-9.11/-9.22	-7.86/-5.18	-5.81/-6.27	-11.59/-11.75	-8.92/-5.82	-5.33/-6.15
ϕ (120°)	-4.99/-4.16	-4.06/-2.95	-2.94/-0.58	-7.32/-5.40	-3.80/-5.10	-15.38/-6.83	-7.80/-9.25	-8.64/-8.82	-13.82/-13.92	-8.13/-8.08	-15.70/-6.35	-12.68/-4.82	-2.00/-5.23	-14.74/-6.56	-1.69/-1.00	-3.05/-2.66	5.72/6.24	-1.67/-2.31	-5.01/-5.93	-3.78/-7.90	-5.24/-2.99	-3.38/-5.62	-5.31/-5.58	
ϕ (127.5°)	-7.29/-4.56	-5.09/-6.50	-8.35/-11.93	-12.43/-14.92	-13.60/-11.80	-14.49/-9.60	-9.67/-9.28	-7.22/-7.50	-8.31/-10.61	-9.33/-12.31	-12.03/-9.47	-14.95/-10.42	-8.92/-8.28	-13.68/-13.58	-4.67/-6.69	-5.13/-9.05	-8.31/-4.95	-3.66/-4.79	-4.18/-3.61	-4.99/-10.96	-14.26/-6.93	-4.32/-6.45	-10.19/-10.91	
ϕ (135°)	-9.35/-8.62	-8.79/-8.89	-4.78/-6.13	-9.09/-9.52	-10.07/-8.72	-9.69/-10.31	-10.24/-8.72	-6.83/-5.28	-4.94/-5.75	-7.60/-8.46	-10.79/-8.57	-12.08/-8.97	-7.47/-8.95	-12.42/-14.31	-12.62/-7.90	-8.83/-7.51	-7.12/-7.08	-10.76/-15.38	-15.75/-12.44	-9.68/-11.44	-14.52/-15.06	-14.82/-12.20	-10.95/-12.48	-16.03/-13.64
ϕ (142.5°)	-5.30/-5.65	-8.02/-6.56	-5.12/-4.50	-4.82/-5.24	-6.57/-5.94	-11.12/-12.80	-12.63/-10.95	-12.07/-14.13	-10.28/-10.15	-11.07/-14.22	-13.24/-11.30	-9.59/-9.79	-12.64/-15.25	-13.51/-8.66	-6.35/-2.50	-6.17/-4.62	-5.35/-6.12	-9.12/-10.98	-9.59/-5.97	-5.17/-3.57	-4.74/-5.07	-7.22/-4.94	-7.72/-3.89	-8.97/-9.09
ϕ (150°)	-3.78/-4.22	-3.43/-3.17	-3.63/-5.33	-6.75/-6.57	-6.16/-6.59	-6.96/-6.99	-7.88/-6.78	-9.77/-9.37	-7.16/-7.48	-11.82/-12.29	-11.82/-10.25	-8.98/-7.39	-10.12/-11.12	-10.14/-7.96	-6.84/-5.84	-5.47/-4.46	-3.53/-5.24	-10.78/-9.56	-5.15/-3.79	-3.17/-2.05	-4.81/-5.53	-5.34/-3.98	-2.89/-2.95	
ϕ (157.5°)	-3.31/-3.69	-3.93/-3.43	-2.34/-1.37	-1.44/-2.03	-3.46/-6.28	-8.89/-9.98	-9.74/-10.87	-13.40/-13.45	-12.61/-14.46	-14.84/-12.58	-10.59/-8.88	-7.67/-9.26	-9.93/-9.56	-9.55/-8.99	-7.94/-7.62	-8.35/-7.35	-6.03/-6.59	-8.68/-8.59	-6.76/-6.15	-5.50/-4.31	-4.11/-4.89	-5.32/-4.92	-4.50/-4.63	-4.61/-3.32
ϕ (165°)	-3.01/-3.38	-3.68/-3.73	-4.05/-4.40	-4.41/-4.91	-6.35/-6.90	-6.43/-6.13	-6.75/-8.11	-9.39/-6.65	-11.18/-15.20	-12.90/-14.15	-15.08/-12.02	-12.58/-14.25	-10.40/-9.64	-10.63/-9.79	-8.38/-6.73	-6.10/-6.69	-6.77/-7.99	-9.62/-10.82	-10.66/-10.68	-10.42/-8.94	-7.27/-5.63	-4.53/-4.35	-4.43/-3.96	-3.04/-2.88
ϕ (172.5°)	-7.35/-7.52	-7.61/-7.53	-6.25/-5.46	-6.70/-5.62	-4.99/-5.08	-6.23/-7.39	-8.43/-9.11	-9.23/-9.84	-11.29/-13.63	-14.93/-15.76	-13.33/-10.19	-10.39/-9.43	-7.47/-8.22	-9.35/-9.72	-6.93/-9.26	-9.35/-9.72	-6.93/-9.26	-10.26/-10.97	-10.93/-10.92	-9.46/-8.06	-6.92/-6.36	-6.13/-6.06	-6.29/-6.73	
ϕ (180°)	-7.97/-6.98	-7.09/-6.77	-6.58/-7.17	-7.92/-8.21	-8.10/-9.10	-10.89/-13.19	-14.52/-15.54	-15.66/-13.85	-12.44/-12.78	-15.09/-15.68	-13.96/-13.94	-13.59/-15.24	-15.09/-14.65	-13.68/-13.40	-14.51/-14.21	-13.06/-11.95	-11.68/-11.36	-11.27/-11.15	-10.21/-10.32	-10.62/-11.04	-11.52/-12.02	-12.57/-12.85	-12.27/-12.21	-11.37/-9.44
Freq(Hz)	5.66Pol.	TotalAnt. 1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gain	ϕ(0°)ϕ(7.5°)	ϕ(15°)ϕ(22.5°)	ϕ(30°)ϕ(37.5°)	ϕ(45°)ϕ(52.5°)	ϕ(60°)ϕ(67.5°)	ϕ(75°)ϕ(82.5°)	ϕ(90°)ϕ(97.5°)	ϕ(105°)ϕ(112.5°)	ϕ(120°)ϕ(127.5°)	ϕ(135°)ϕ(142.5°)	ϕ(150°)ϕ(157.5°)	ϕ(165°)ϕ(172.5°)	ϕ(180°)ϕ(187.5°)	ϕ(195°)ϕ(202.5°)	ϕ(210°)ϕ(217.5°)	ϕ(225°)ϕ(232.5°)	ϕ(240°)ϕ(247.5°)	ϕ(255°)ϕ(262.5°)	ϕ(270°)ϕ(277.5°)	ϕ(285°)ϕ(292.5°)	ϕ(300°)ϕ(307.5°)	ϕ(315°)ϕ(322.5°)	ϕ(330°)ϕ(337.5°)	ϕ(345°)ϕ(352.5°)
ϕ (0°)	-14.65/-14.94	-13.75/-13.98	-15.24/-15.28	-15.60/-15.40	-15.18/-15.52	-15.30/-15.22	-15.25/-14.12	-13.72/-15.03	-15.30/-15.60	-14.89/-14.41	-16.07/-14.67	-12.67/-11.96	-12.60/-15.45	-15.21/-13.80	-12.19/-12.91	-13.18/-12.95	-13.23/-12.81	-12.01/-11.59	-11.46/-11.71	-12.35/-12.63	-13.35/-13.01	-14.43/-15.50	-14.29/-12.65	-14.09/-15.70
ϕ (7.5°)	-13.37/-11.42	-9.82/-10.43	-12.59/-12.64	-11.01/-10.46	-9.85/-8.08	-9.26/-10.33	-11.29/-12.10	-12.54/-13.39	-15.46/-14.51	-13.37/-13.35	-14.25/-15.84	-14.63/-15.66	-14.10/-14.81	-15.47/-15.52	-15.67/-15.27	-15.29/-14.45	-14.95/-15.17	-15.24/-15.63	-15.00/-14.66	-13.91/-15.28	-14.65/-15.40	-13.82/-13.13	-15.01/-13.82	-10.92/-11.31
ϕ (15°)	-10.32/-8.93	-9.60/-10.18	-9.27/-10.13	-11.60/-10.37	-8.02/-7.62	-7.72/-8.00	-6.88/-9.09	-9.57/-10.63	-12.06/-12.08	-10.59/-9.34	-8.98/-9.22	-10.18/-11.84	-12.82/-13.48	-11.17/-9.90	-9.58/-9.62	-11.43/-11.52	-11.17/-9.82	-9.92/-9.89	-11.99/-11.69	-13.93/-15.50	-14.52/-15.04	-13.25/-14.47	-14.68/-15.03	-13.66/-11.84
ϕ (22.5°)	-6.87/-5.09	-5.65/-7.94	-8.90/-8.85	-8.38/-7.47	-6.18/-5.73	-5.26/-4.64	-3.86/-3.67	-3.78/-3.91	-4.42/-5.08	-4.94/-5.33	-6.08/-6.90	-7.61/-7.74	-8.49/-10.51	-12.84/-12.18	-11.49/-9.98	-8.23/-7.28	-6.88/-6.93	-6.76/-7.02	-7.76/-8.10	-6.58/-10.37	-12.52/-12.23	-11.35/-11.47	-10.60/-8.10	-6.81/-6.98
ϕ (30°)	-4.73/-4.44	-4.64/-4.44	-5.03/-4.58	-4.64/-3.58	-3.09/-3.73	-2.12/-1.67	-1.66/-2.01	-2.18/-2.38	-2.70/-3.01	-3.85/-1.58	-6.01/-5.59	-6.38/-6.75	-6.89/-6.69	-6.60/-8.91	-10.32/-9.30	-6.96/-4.88	-4.83/-6.31	-7.56/-9.17	-10.91/-7.03	-9.24/-9.03	-8.62/-6.99	-5.42/-5.20	-4.54/-3.69	-3.91/-4.85
ϕ (37.5°)	-5.51/-4.61	-3.19/-3.88	-5.27/-3.64	-3.45/-4.87	-5.69/-5.29	-4.75/-4.11	-4.32/-3.82	-3.56/-3.82	-2.89/-2.29	-3.49/-4.32	-5.32/-6.17	-4.88/-4.98	-6.15/-7.61	-6.56/-8.38	-7.35/-6.94	-9.32/-8.27	-5.51/-4.77	-4.34/-3.34	-2.09/-2.66	-2.09/-2.66	-3.19/-3.00	-3.23/-2.27	-2.18/-1.79	-2.42/-2.47
ϕ (45°)	-5.20/-6.18	-6.50/-6.32	-4.82/-4.30	-4.22/-4.30	-7.13/-8.46	-14.87/-14.49	-10.92/-8.87	-5.86/-5.98	-3.89/-2.17	-2.66/-3.20	-2.65/-3.32	-5.12/-5.56	-5.72/-5.81	-6.83/-8.21	-5.60/-4.38	-5.48/-4.58	-5.25/-5.19	-5.45/-6.10	-4.33/-4.57	-4.33/-4.61	-3.02/-3.17	-4.65/-5.13	-4.37/-3.38	
ϕ (52.5°)	-3.38/-2.52	-1.52/-1.84	-2.29/-1.88	-1.38/-2.33	-2.47/-1.78	-2.83/-2.82	-1.93/-2.96	-4.56/-6.67	-7.83/-5.01	-4.34/-4.50	-5.15/-6.69	-4.60/-2.62	-1.30/-1.48	-2.13/-2.56	-3.96/-5.16	-5.75/-6.13	-6.07/-4.56	-2.59/-3.60	-6.08/-7.53	-5.34/-5.10	-6.07/-6.50	-6.40/-6.24	-6.31/-5.08	-3.48/-3.37
ϕ (60°)	-1.65/-2.32	-1.27/-1.51	-2.21/-0.92	-1.45/-1.57	-1.30/-4.42	0.14/0.42	0.65/0.11	1.58/1.05	-0.49/-1.99	-1.48/-1.59	-3.23/-3.91	-2.44/-2.45	-2.62/-1.92	-2.16/-1.32	-0.01/0.89	-1.33/-1.37	-3.18/-2.67	-2.87/-3.43	-1.94/-1.75	-2.72/-2.33	-1.44/-1.03	-1.49/-1.79	-1.25/-0.79	
ϕ (67.5°)	-1.46/-1.58	-2.83/-3.19	-2.83/-2.39	-2.06/-2.49	-2.28/-2.22	-2.26/-3.33	-5.68/-3.01	-2.45/-0.66	-1.16/-0.57	0.34/0.34	1.50/0.01	0.00/-0.47	-1.85/-2.13	-2.71/-2.22	-1.74/-3.39	-1.39/0.81	0.20/1.40	0.51/0.91	1.10/1.27	1.42/2.11	-1.10/-1.07	-1.77/-1.86	-2.32/-1.49	-0.89/-1.46
ϕ (75°)	-0.65/0.79	1.71/0.25	-1.17/0.26	1.21/0.42	-0.84/0.15	0.04/-3.51	-2.98/-1.26	-1.01/-1.88	-2.36/-2.70	-4.37/-2.09	-0.13/-0.92	0.79/0.54	1.48/1.82	0.92/0.56	-1.57/-2.12	4.13/-2.34	-1.50/-1.93	-1.34/-1.91	-1.69/-1.96	-1.18/-0.94	-1.20/-1.62	-1.61/-2.68	-3.70/-2.	



Antenna Pattern Test Mode 1_For 2.4GHz and 5GHz U-NII 1 ~ U-NII 3

Appendix B.1

Theta (°)	5.99-11.04	9.52-6.99	-6.11-6.21	-5.40-5.13	-5.13-7.21	-10.05-13.23	-9.78-11.00	-11.12-10.96	-5.99-4.94	-3.97-3.65	-3.94-4.19	-5.91-7.56	-10.83-8.83	-6.34-8.22	-11.63-12.07	-5.75-4.28	-2.71-3.72	0.11-2.30	-4.81-0.57	0.70-5.12	-9.34-8.40	-6.51-11.97	-6.97-12.78	-13.53-9.98
Theta (135°)	-10.96-11.05	-12.30-11.98	-6.58-2.98	-2.29-3.47	-4.44-5.21	-4.83-5.75	-6.49-9.28	-13.96-13.15	-11.09-14.23	-15.51-15.49	-11.53-10.56	-9.21-9.84	-13.09-14.22	-13.76-10.89	-8.00-6.29	-5.80-4.78	-7.27-12.74	-8.67-7.41	-6.17-5.21	-7.24-3.69	-5.70-4.09	-9.01-12.28	-9.14-8.55	-9.30-9.94
Theta (142.5°)	-2.48-1.76	-3.68-9.90	-15.67-12.28	-0.73-4.52	-3.58-2.93	-3.39-5.67	-6.92-4.61	-3.60-4.63	-5.26-5.96	-6.77-3.49	-9.61-12.48	-12.41-12.28	-14.36-13.84	-11.86-11.42	-6.57-5.09	-6.33-5.76	-7.72-6.67	-6.93-9.01	-5.55-2.92	-4.16-8.66	-7.13-3.15	-10.96-13.2	-2.91-5.35	-6.23-2.49
Theta (150°)	-4.62-5.31	-6.74-8.02	-10.05-11.79	-9.09-7.00	-8.27-9.97	-10.71-10.40	-9.57-6.69	-5.54-7.64	-10.87-8.49	-8.06-8.86	-8.74-9.99	-12.98-12.07	-8.03-4.88	-3.43-3.18	-2.98-3.59	-2.90-2.25	-4.59-5.23	-5.67-7.57	-5.10-2.52	-1.08-0.88	-1.26-1.51	-0.16-0.32	-2.27-4.28	-5.83-5.56
Theta (157.5°)	-6.49-7.35	-9.63-12.32	-13.85-13.56	-12.64-13.13	-13.46-11.06	-7.77-7.66	-7.36-9.65	-9.76-10.82	-11.01-8.89	-8.70-8.21	-6.49-6.02	-6.45-5.46	-3.82-2.77	-2.51-2.80	-2.47-1.96	-2.29-3.78	-4.50-3.29	-2.96-3.26	-3.13-3.17	-4.22-5.70	-6.82-6.24	-4.37-3.72	-5.23-6.81	-7.35-7.64
Theta (165°)	-9.12-10.54	-9.91-7.44	-6.14-5.48	-4.51-5.82	-7.24-8.74	-9.93-9.31	-8.85-8.45	-7.51-6.82	-4.47-4.01	-3.41-3.45	-3.44-2.89	-2.57-2.41	-2.16-2.03	-2.08-2.40	-2.93-3.58	-4.31-4.91	-5.31-5.97	-6.57-7.11	-6.60-6.51	-6.57-6.87	-6.62-6.54	-6.52-5.74	-6.06-4.47	-4.94-5.67
Theta (172.5°)	-9.10-8.36	-8.62-9.21	-10.41-10.90	-10.17-10.33	-10.12-9.21	-8.60-7.68	-7.54-8.13	-8.55-8.56	-7.88-7.05	-6.65-7.27	-8.33-9.44	-10.08-10.15	-9.57-8.71	-8.07-8.05	-8.31-8.78	-9.46-10.40	-11.47-11.00	-9.80-8.85	-7.84-6.51	-5.83-5.26	-5.65-6.49	-7.28-7.61	-8.32-8.90	-9.64-9.76
Theta (180°)	-15.67-15.30	-13.99-12.59	-12.30-12.68	-12.24-12.41	-12.61-11.87	-11.22-11.89	-13.29-15.03	-14.82-15.43	-15.45-15.33	-15.72-14.81	-12.80-11.87	-11.61-10.94	-11.24-10.89	-9.70-8.50	-7.76-7.36	-6.75-6.43	-6.83-7.13	-7.66-7.83	-7.80-7.17	-6.97-7.29	-8.41-9.29	-9.13-9.19	-9.32-9.89	-11.38-13.38
Freq (Hz)	5.785GPol.	TotalAnt. 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	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°)	-11.52-12.16	-11.90-12.04	-11.49-11.19	-10.66-10.70	-10.82-11.02	-11.73-12.51	-12.67-11.51	-11.71-11.66	-11.89-11.70	-11.59-12.57	-13.18-14.09	-13.27-12.52	-11.30-10.96	-11.79-11.63	-10.60-10.52	-10.31-10.37	-10.95-11.40	-10.35-9.39	-9.74-10.06	-10.62-11.38	-10.99-10.80	-10.05-9.27	-9.65-8.61	-8.34-9.59
Theta (7.5°)	-11.59-11.87	-12.34-12.49	-11.45-9.81	-8.66-10.57	-9.63-10.57	-11.78-11.52	-10.48-10.18	-10.12-10.29	-10.59-10.84	-10.39-10.50	-10.29-19.10	-10.96-10.08	-10.83-11.53	-11.20-10.81	-10.97-11.03	-11.37-11.46	-10.63-10.23	-11.14-11.69	-12.68-13.46	-14.08-13.15	-13.03-13.34	-12.49-12.03	-11.01-10.85	
Theta (15°)	-9.05-8.14	-7.28-6.73	-6.66-7.49	-7.39-7.84	-7.56-7.51	-7.74-7.41	-7.68-7.92	-7.61-7.50	-7.79-8.41	-8.35-8.35	-8.67-9.98	-10.52-10.04	-9.21-8.53	-8.35-8.31	-8.48-9.78	-11.92-13.21	-14.07-13.63	-13.68-14.61	-15.09-14.75	-13.29-12.87	-12.41-11.98	-11.83-11.58	-10.86-10.93	-10.63-9.47
Theta (22.5°)	-6.07-5.03	-4.44-0.14	-3.80-2.46	-4.00-4.14	-4.48-4.24	-3.85-3.29	-3.10-3.31	-3.56-3.81	-4.64-6.00	-6.63-6.95	-7.88-8.30	-8.99-9.78	-9.47-7.85	-6.51-5.62	-5.42-6.37	-6.93-7.01	-7.16-8.33	-12.07-14.86	-14.95-13.90	-12.53-11.57	-10.88-17.57	-6.96-7.39	-7.69-7.76	-7.53-8.67
Theta (30°)	-2.98-2.78	-3.15-3.36	-2.46-1.55	-2.02-2.74	-2.44-3.14	-2.36-1.33	-0.87-1.08	-1.66-1.81	-2.51-3.24	-3.83-4.66	-5.25-6.11	-7.32-9.23	-10.47-10.15	-6.86-6.97	-5.99-6.59	-5.43-4.82	-5.48-9.23	-10.98-7.51	-5.93-5.80	-5.73-4.58	-4.59-5.98	-6.47-5.48	-4.54-5.55	
Theta (37.5°)	-4.56-3.20	-2.30-2.74	-4.46-4.63	-3.94-3.81	-3.86-3.43	-4.10-4.87	-3.84-3.22	-2.94-3.64	-3.28-2.43	-2.39-3.17	-4.11-4.71	-5.73-6.89	-7.49-7.38	-6.88-6.41	-5.93-4.16	-2.19-1.80	-3.58-7.77	-4.95-3.64	-3.25-3.17	-2.79-3.18	-3.83-5.29	-6.33-6.19	-5.43-5.47	-5.16-4.98
Theta (45°)	-3.42-4.87	-6.23-7.21	-7.52-7.10	-5.91-6.22	-6.58-7.42	-6.67-6.41	-6.64-6.45	-4.70-4.03	-4.92-4.62	-3.31-3.77	-5.24-4.96	-4.42-4.53	-5.03-5.76	-6.10-6.03	-4.93-5.23	-5.97-5.68	-5.66-5.76	-4.97-5.92	-7.34-5.84	-4.26-4.13	-5.24-4.27	-2.29-1.99	-1.15-1.84	-2.48-2.67
Theta (52.5°)	-1.27-1.36	-1.60-0.79	-0.87-1.96	-2.56-1.71	-1.35-1.84	-3.57-3.96	-4.08-6.79	-7.11-8.83	-2.59-4.03	-4.25-3.50	-4.12-4.42	-4.58-2.26	-2.86-1.20	-2.30-1.87	-3.27-4.09	-3.23-3.37	-3.27-2.47	-1.51-0.88	-2.24-1.17	-2.60-1.21	-2.01-1.21	-1.20-1.08		
Theta (60°)	-1.390.11	-0.75-0.37	1.451.30	1.511.80	2.452.64	1.530.43	0.720.15	-0.890.25	0.10-2.72	-0.51-4.77	-3.72-3.10	-2.76-2.62	-2.95-2.08	-0.97-1.00	-0.89-0.12	-1.38-1.48	-1.35-0.56	-3.16-2.45	-2.30-4.38	-3.780.31	2.01-0.03	-0.25-0.63	-2.69-4.18	-3.55-2.85
Theta (67.5°)	0.560.28	1.070-0.50	-0.30-0.76	-2.03-1.92	-0.840.23	-1.08-1.97	-1.58-1.89	-0.890.80	0.250.68	1.311.26	0.510.33	-1.77-3.94	4.00-4.52	-6.46-7.22	-3.88-3.20	-0.40-0.31	-0.06-1.12	-0.08-1.05	1.500.38	1.520.91	1.83-4.86	-5.37-1.35	0.410.84	2.051.99
Theta (75°)	-0.090.14	-0.70-0.42	-0.191.60	0.20-3.31	0.082.58	-0.62-4.13	-1.03-1.26	-0.45-0.59	-4.82-3.72	-0.38-1.04	-0.350.11	-0.23-2.26	-0.09-1.11	-0.23-2.26	-0.99-1.11	0.031.15	-1.33-1.81	-2.49-3.99	-2.20-2.61	-1.03-0.54	1.671.23	-0.12-0.52	-1.11-1.31	
Theta (82.5°)	-0.22-1.12	1.181.25	1.942.70	2.602.50	3.284.57	2.65-0.24	0.12-0.04	1.322.56	-0.22-1.59	-3.04-3.62	-2.37-1.31	0.181.70	1.611.96	1.960.52	0.34-1.20	-0.65-1.14	0.420.26	-2.05-5.58	-1.30-0.65	0.191.73	1.560.73	0.950.16	-2.77-5.01	-2.58-0.45
Theta (90°)	2.921.83	1.461-3.33	-2.39-1.48	0.140.09	0.952.04	-0.41-1.21	0.030.51	1.721.25	-1.36-1.40	-0.84-0.79	0.070.36	0.76-0.47	-0.27-1.24	-1.13-2.24	-4.65-7.64	-3.59-0.85	0.961.28	-0.15-1.20	-1.63-0.45	-1.55-0.47	-3.16-2.95	-1.091.03	3.010.87	
Theta (97.5°)	0.681-6.68	-1.62-2.62	-5.45-1.95	-3.95-2.49	-1.57-1.53	-6.35-6.77	-4.33-2.39	0.59-1.44	-4.12-1.84	-3.88-3.98	-1.310.69	2.132.29	-0.22-2.60	2.681.13	0.37-2.99	-4.35-1.11	1.53-3.34	0.781-6.65	-1.34-3.11	0.622.19	4.302.73	-0.29-2.25	-1.770.92	
Theta (105°)	0.24-1.25	-3.65-2.02	-5.92-2.77	-5.29-3.60	1.093.39	1.02-3.19	-4.34-4.65	0.730.52	-5.58-5.48	-3.36-2.41	-4.07-0.01	-0.15-1.76	1.540.65	-0.96-6.00	-2.061.98	0.793.55	1.85-1.82	-4.570.52	2.123.01	4.053.62	8.851.71	-0.66-1.07	-2.971.03	
Theta (112.5°)	-3.59-6.46	-5.57-3.59	-4.11-8.03	-2.83-1.55	-0.45-1.23	-2.76-2.73	-3.78-4.91	-2.07-1.42	-3.74-3.51	-5.41-7.69	-10.51-5.49	-2.69-3.28	-2.08-2.14	-2.07-0.55	-1.178-12.53	-3.65-3.17	-1.10-0.29	1.971.54	-0.58-0.02	-4.55-1.77	-10.41-11.64	-2.32-1.45	-5.50-3.66	-2.38-1.44
Theta (120°)	-1.49-8.35	-4.86-7.02	-8.72-7.47	-5.18-4.30	-3.37-4.10	-4.22-5.59	-6.43-3.88	-0.55-1.32	-4.58-6.44	-10.47-7.72	-14.03-14.85	-6.87-5.62	-5.51-1.72	-2.44-3.05	-4.87-3.46	-6.15-7.14	-15.66-1.40	-7.23-7.10	-7.89-1.34	0.57-1.17	1.361.61	-0.380.93	-0.75-4.32	-2.630.11
Theta (127.5°)	-2.29-5.46	-4.05-5.02	-9.40-9.09	-6.59-7.61	-8.28-11.51	-12.15-10.28	-11.59-6.18	-4.41-5.25	-4.65-4.55	-4.31-4.24	-5.75-5.94	-6.59-7.85	-5.30-5.28	-3.43-5.40	-3.99-10.94	-8.35-6.24	-0.23-0.94	-0.43-2.67	-5.00-8.2	1.72-7.31	-5.91-3.52	-3.27-7.05	-6.32-8.12	-7.57-8.29
Theta (135°)	-9.74-8.27	-12.60-9.00	-5.06-2.85	-2.86-3.83	-5.68-6.81	-8.14-12.40	-11.00-11.91	-12.07-15.62	-9.86-10.09	-13.77-11.37	-7.51-6.83	-7.56-7.70	-9.17-10.46	-7.21-5.35	-6.54-7.32	-7.92-9.40	-3.40-7.39	-8.94-9.50	-14.49-8.38	-5.41-5.64	-7.59-6.11	-14.71-11.64	-9.73-8.48	-10.97-13.22
Theta (142.5°)	-2.21-3.62	-4.82-8.00	-10.58-8.43	-5.43-4.43	-3.63-2.29	-2.59-5.73	-7.22-5.30	-4.42-4.88	-4.78-5.80	-7.76-10.21	-10.38-8.40	-7.09-8.21	-9.91-8.40	-6.83-8.15	-7.74-6.49	-11.67-11.33	-11.85-10.66	-9.61-9.29	-7.61-3.09	-4.30-9.80	-7.62-2.05	-0.47-1.19	-2.16-4.24	-8.07-6.57
Theta (150°)	-2.89-3.46	-4.45-6.47	-5.35-5.52	-5.20-5.86	-7.35-8.35	-10.40-12.60	-14.44-8.73	-5.52-5.81	-7.29-6.70	-7.06-8.03	-9.15-10.82	-14.90-14.18	-8.60-5.05	-4.23-4.15	-3.41-4.10	-3.61-1.36	-1.82-2.72	-3.91-5.98	-5.51-2.91	-2.51-2.96	-2.79-1.06	-3.00-0.53	-2.52-3.56	-4.19-4.04
Theta (157.5°)	-6.18-7.33	-8.41-11.11	-15.22-14.17	-10.18-9.41	-9.13-7.57	-5.98-5.96	-7.92-10.49	-10.56-11.74	-12.40-11.13	-10.38-9.58	-6.95-5.38	-4.16-3.38	-2.58-1.80	-1.71-1.91	-1.91-1.77	-2.11-1.05	-7.97-8.48	-7.68-6.90	-5.23-4.09	-4.39-5.41	-6.54-5.54	-3.35-2.53	-2.94-3.57	-4.80-5.77
Theta (165°)	-13.52-14.50	-12.36-10.68	-10.22-																					



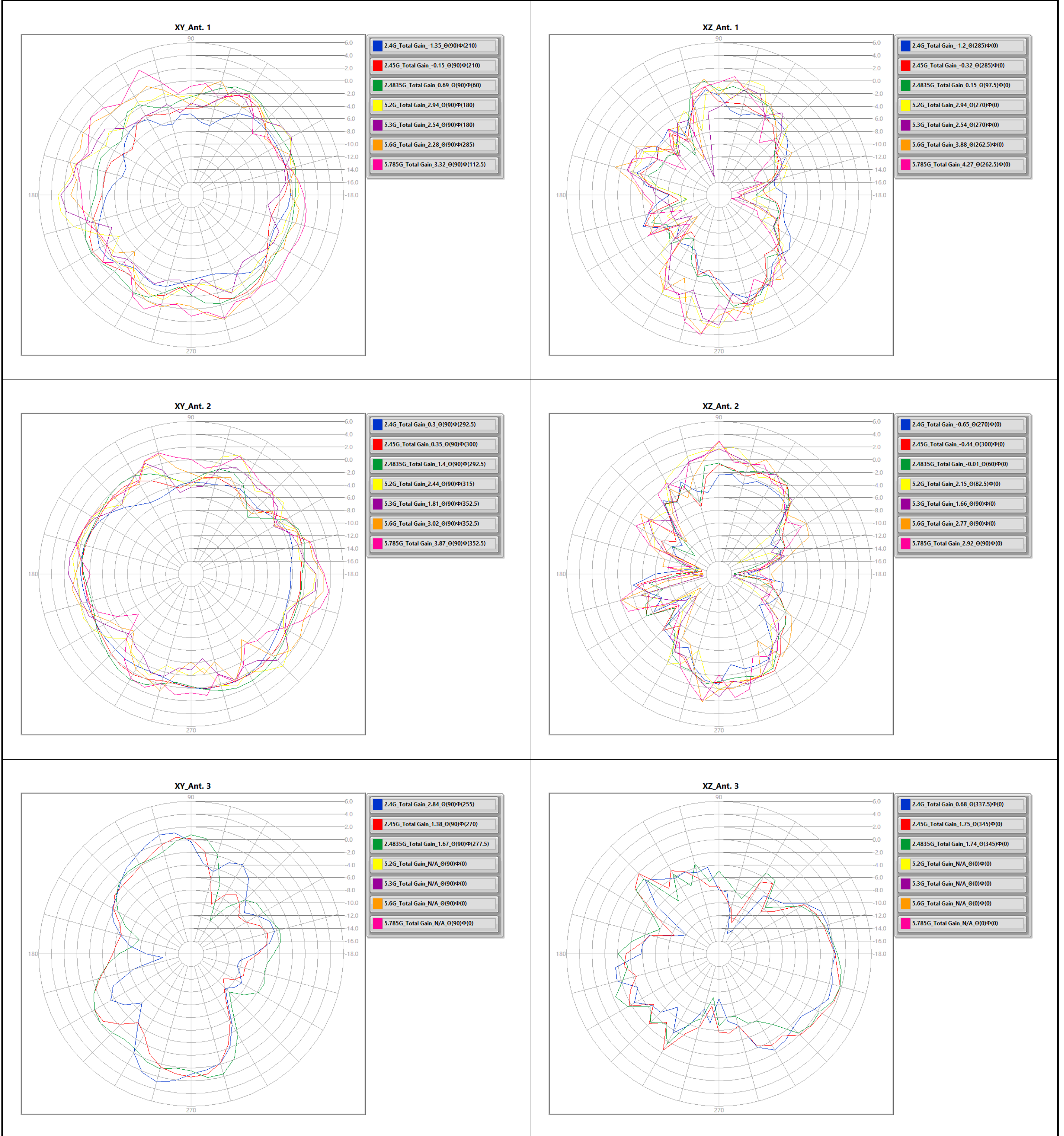
Antenna Pattern

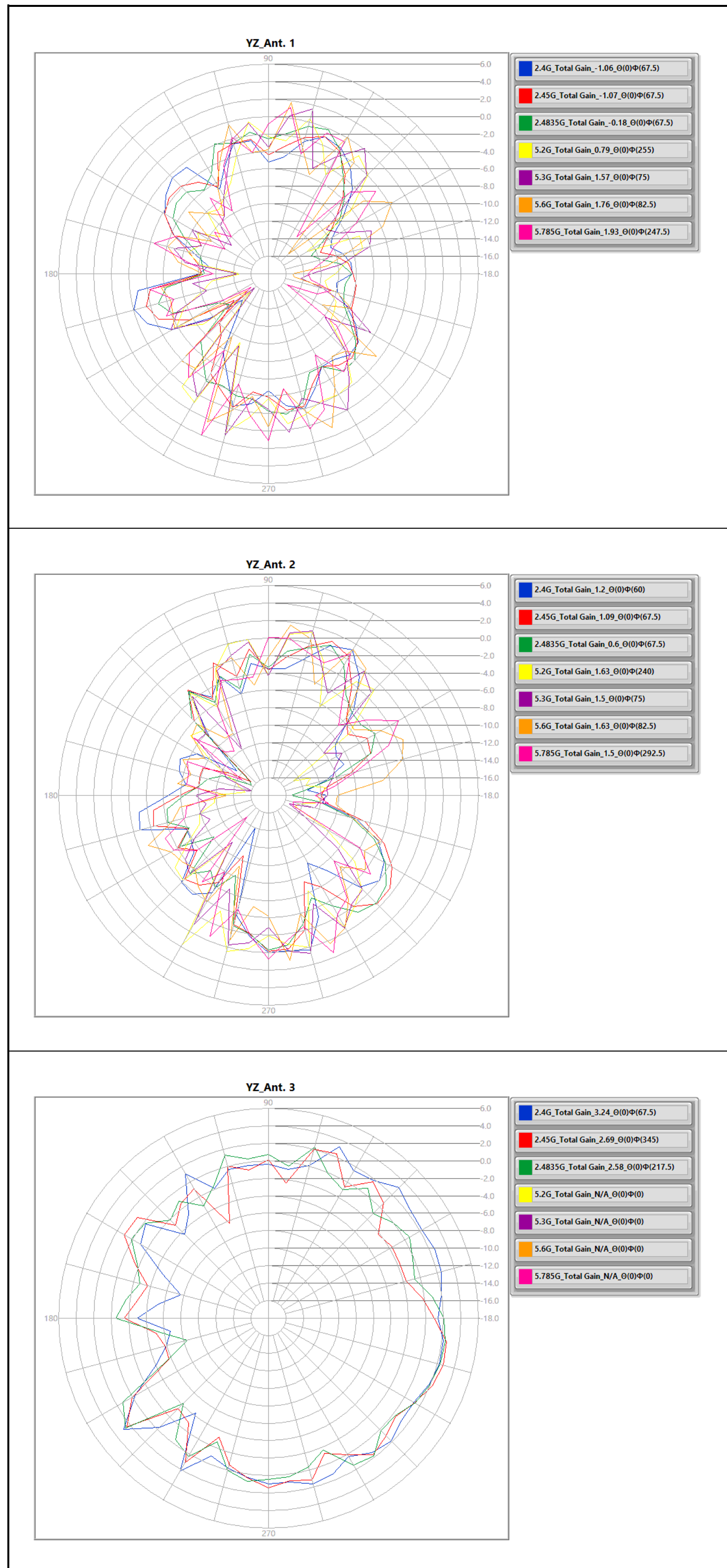
Test Mode 1_For 2.4GHz and 5GHz U-NII 1 ~ U-NII 3

Appendix B.1

Freq(Hz)	5.2GPol.	TotalAnt.3	-2.13/-2.31	-2.25/-2.06	-1.94/-1.92	-1.82/-1.54	-1.17/-0.81	-0.56/-0.51	-0.54/-0.68	-0.94/-1.13	-1.16/-1.20	-1.44/-1.77	-2.08/-2.41	-2.75/-3.00	-3.11/-3.11	-3.15/-3.48	-3.65/-3.66	-3.59/-3.49	-3.40/-3.32	-3.28/-3.15	-2.90/-2.65	-2.54/-2.57	-2.33/-2.13	-2.13/-2.21	-2.15/-2.00	-1.97/-2.13	
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°)	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf
Θ(7.5°)	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf
Θ(15°)	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf
Θ(22.5°)	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf
Θ(30°)	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf
Θ(37.5°)	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf
Θ(45°)	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf
Θ(52.5°)	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf
Θ(60°)	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf
Θ(67.5°)	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf
Θ(75°)	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf
Θ(82.5°)	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf
Θ(90°)	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf
Θ(97.5°)	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf
Θ(105°)	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf
Θ(112.5°)	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf
Θ(120°)	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf
Θ(127.5°)	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf
Θ(135°)	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf
Θ(142.5°)	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf
Θ(150°)	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf
Θ(157.5°)	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf
Θ(165°)	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf
Θ(172.5°)	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf
Θ(180°)	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf	-inf

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







Antenna Pattern Test Mode 2_For 2.4GHz and 5GHz U-NII 1 ~ U-NII 3

Appendix B.2

Frequency	0.65-0.20	0.22-1.12	0.25-0.44	0.64-0.99	0.33-1.11	0.20-0.45	-1.62-3.29	-4.68-5.04	-5.19-4.55	-5.32-5.53	-5.80-4.48	-4.54-3.84	-3.65-4.72	-4.85-4.72	-4.37-4.58	-4.27-4.54	-4.00-2.65	-1.49-1.51	-2.21-1.78	-1.00-0.77	-0.73-0.77	-1.02-1.29	-1.03-1.11	-0.83-0.84		
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°)	
5.66Pol	-1.92-2.85	-2.03-2.62	-2.34-2.73	-1.93-2.98	-2.87-3.28	-3.22-2.98	-2.92-3.26	-2.21-2.57	-2.82-2.45	-2.46-1.97	-1.82-2.09	-2.37-1.78	-2.36-1.75	-1.62-2.28	-1.85-1.93	-2.17-1.75	-1.79-1.85	-2.06-2.39	-1.84-2.36	-2.61-2.82	-2.71-2.88	-2.68-2.53	-2.28-2.66	-2.29-2.91	-2.29-2.91	-2.29-2.91
5.785GPol	-1.12-0.48	-0.86-0.83	-1.00-0.53	-1.01-0.29	-0.44-1.07	-1.81-1.70	-1.70-1.16	-1.35-0.81	-1.55-1.25	-0.90-0.88	-0.82-1.45	-1.37-0.46	-0.92-0.46	-0.61-0.84	-0.54-0.72	-0.41-0.56	-0.40-0.61	-0.64-0.65	-0.75-0.92	-0.68-0.38	-0.75-1.13	-1.20-1.10	-0.73-1.26	-0.93-1.10	-0.93-1.10	-0.93-1.10



Antenna Pattern Test Mode 2_For 2.4GHz and 5GHz U-NII 1 ~ U-NII 3

Appendix B.2

θ (75°)	-1.33/-1.46	-1.39/-1.38	-1.53/-1.71	-1.54/-0.88	-0.27/-0.04	0.03/0.06	0.10/0.04	0.06/0.36	0.82/1.01	0.87/0.65	0.31/0.03	-0.26/-0.37	-0.43/-0.64	-1.13/-1.80	-2.36/-2.28	-1.74/-1.87	-3.01/-4.04	-4.22/-4.29	-3.39/-2.37	-1.80/-1.46	-1.55/-1.85	-1.49/-0.71	-0.23/-0.20	-0.46/-0.83
θ (75°)	-1.46/-1.88	-2.14/-2.31	-2.32/-2.57	-3.07/-3.14	-2.35/-1.75	-1.43/-0.91	-0.40/-0.09	0.18/0.31	0.28/-0.05	-0.51/-0.85	-0.94/-0.76	-0.40/-0.00	0.17/-0.08	-0.53/-0.94	-1.08/-0.71	-0.31/-1.01	-0.42/-0.82	-1.16/-1.62	-1.39/-1.13	-1.28/-1.36	-1.28/-0.90	-0.32/-1.11	0.23/-0.01	-0.52/-1.02
θ (82.5°)	-2.02/-2.31	-2.69/-3.01	-3.42/-3.90	-4.43/-4.77	-4.22/-3.60	-3.54/-3.35	-2.81/-1.99	-1.06/-0.52	-0.36/-0.55	-1.04/-1.37	-1.48/-1.17	-0.65/-0.28	-0.34/-0.66	-0.89/-0.88	-0.58/-0.28	0.12/0.65	0.81/0.68	0.56/0.52	0.30/0.18	-0.48/-0.53	-0.37/0.06	0.06/0.20	-0.68/-1.12	-1.54/-1.82
θ (90°)	-1.82/-2.12	-2.19/-2.31	-2.64/-3.18	-3.12/-2.43	-2.14/-2.18	-2.01/-1.85	-1.90/-1.85	-1.55/-1.26	-1.07/-1.30	-2.05/-2.75	-3.20/-3.17	-2.92/-2.56	-2.35/-2.07	-1.62/-1.26	-1.17/-1.11	-0.45/0.31	0.48/0.02	-0.56/0.88	-1.70/-2.22	-1.95/-1.34	-0.85/-0.49	-0.29/0.30	-0.49/-0.67	-0.96/-1.40
θ (97.5°)	-3.81/-3.88	-3.45/-2.60	-2.05/-2.17	-2.43/-2.00	-1.89/-2.69	-3.24/-3.28	-3.51/-3.64	-3.73/-3.55	-2.51/-1.66	-1.18/-0.88	-0.81/-1.01	-1.29/-1.45	-1.57/-1.77	-2.08/-2.53	-2.77/-2.27	-1.43/-1.05	-2.38/-2.47	-2.05/-1.37	-1.05/-0.92	-1.35/-2.04	-2.29/-2.16	-2.37/-2.85	-3.29/-3.53	
θ (105°)	-4.02/-4.06	-4.01/-3.44	-2.84/-2.63	-2.77/-2.45	-2.10/-2.47	-2.53/-2.15	-1.95/-2.54	-3.40/-3.54	-3.44/-3.06	-2.68/-2.43	-2.29/-2.32	-2.75/-3.44	-4.23/-4.44	-5.17/-5.00	-4.06/-3.00	-3.02/-3.41	-3.10/-2.48	-1.85/-2.00	-2.87/-3.37	-3.80/-3.90	-3.14/-2.44	-2.44/-3.12	-3.83/-4.12	
θ (112.5°)	-3.62/-3.45	-3.46/-3.60	-3.61/-3.28	-2.99/-2.76	-2.71/-2.95	-3.33/-3.50	-3.45/-3.13	-2.90/-3.44	-4.82/-5.68	-4.70/-3.27	-2.08/-1.32	-1.08/-1.36	-1.85/-2.04	-2.01/-1.84	-2.01/-2.20	-1.52/0.96	-1.36/2.23	-3.02/-3.86	-5.07/-8.13	-8.65/-6.61	-4.37/-3.06	-2.10/-1.65	-1.79/-2.34	-2.95/-3.30
θ (120°)	-9.29/-9.67	-9.67/-9.72	-9.74/-8.89	-6.55/-4.50	-3.53/-3.26	-3.30/-3.31	-3.10/-2.55	-1.65/-0.97	-1.07/-1.86	-2.63/-3.52	-4.82/-6.67	-8.27/-9.41	-8.91/-7.60	-6.79/-6.78	-7.45/-8.31	-8.33/-7.63	-7.82/-8.54	-8.34/-7.78	-7.39/-5.52	-3.26/-3.00	-0.21/0.03	-0.54/-1.51	-2.85/-4.50	-6.32/-8.06
θ (127.5°)	-8.88/-8.40	-6.95/-5.61	-4.82/-4.65	-4.73/-4.43	-3.94/-3.86	-4.46/-5.85	-4.65/-4.76	-8.91/-6.76	-5.35/-4.96	-4.94/-4.91	-4.97/-5.18	-5.55/-6.10	-6.64/-7.25	-7.51/-7.31	-6.76/-6.15	-5.40/-4.68	-4.21/-4.24	-4.61/-5.82	-7.33/-7.64	-6.83/-5.49	-4.34/-4.21	-5.42/-5.20	-7.13/-7.58	-7.88/-8.37
θ (135°)	-6.30/-7.73	-8.92/-9.36	-9.84/-11.23	-13.99/-13.54	-9.87/-7.71	-6.86/-5.84	-5.19/-5.51	-6.87/-8.29	-8.89/-8.56	-8.82/-8.59	-8.50/-7.94	-7.03/-6.46	-6.40/-6.58	-6.61/-6.05	-4.82/-3.36	-2.37/-2.17	-2.83/-3.59	-3.72/-3.72	-4.09/-4.71	-5.15/-4.82	-4.07/-3.76	-3.90/-4.21	-4.43/-4.65	-5.01/-5.73
θ (142.5°)	-8.75/-13.02	-12.67/-9.54	-7.09/-6.17	-6.32/-7.29	-8.57/-9.24	-8.27/-6.50	-5.10/-4.71	-5.10/-5.79	-6.22/-7.45	-6.95/-6.24	-5.69/-5.24	-4.97/-4.82	-4.87/-5.00	-4.82/-4.31	-3.51/-2.76	-2.47/-2.87	-3.93/-5.07	-6.00/-7.30	-9.71/-13.13	-13.07/-9.28	-6.26/-4.37	-3.34/-2.67	-2.89/-3.34	-4.33/-6.09
θ (150°)	-16.00/-11.61	-7.16/-4.82	-3.68/-3.33	-3.49/-3.90	-4.32/-4.60	-4.68/-3.78	-3.63/-3.82	-4.21/-4.67	-4.78/-5.03	-4.92/-4.95	-5.28/-5.91	-6.82/-7.87	-8.43/-8.23	-7.67/-8.34	-6.53/-6.96	-7.67/-8.34	-8.79/-9.12	-6.93/-6.42	-5.40/-4.82	-4.40/-4.55	-5.34/-6.96	-9.83/-15.15		
θ (157.5°)	-10.49/-8.56	-7.09/-6.20	-5.70/-5.66	-5.77/-5.83	-5.92/-6.12	-6.37/-6.59	-6.49/-6.03	-5.42/-4.94	-4.66/-4.51	-4.35/-4.27	-4.27/-4.42	-4.66/-5.01	-5.37/-5.75	-6.06/-6.09	-5.85/-5.57	-5.43/-5.53	-5.76/-6.05	-6.27/-6.33	-6.22/-6.14	-6.22/-6.49	-6.91/-7.10	-7.22/-7.69	-8.64/-10.09	-10.97/-11.70
θ (165°)	-7.02/-6.90	-6.94/-1.71	-7.49/-8.00	-8.43/-8.52	-8.30/-4.43	-8.80/-9.13	-9.36/-9.89	-9.90/-9.58	-8.95/-8.03	-7.25/-6.66	-6.16/-5.73	-5.39/-5.18	-4.97/-4.81	-4.68/-4.66	-5.00/-5.10	-5.32/-5.67	-6.12/-6.55	-6.90/-7.10	-7.13/-7.23	-7.47/-7.40	-7.82/-7.67	-7.47/-7.40	-7.39/-7.37	-7.34/-7.20
θ (172.5°)	-7.28/-7.12	-7.27/-7.68	-8.21/-8.47	-8.76/-9.29	-9.88/-10.67	-11.57/-12.19	-12.51/-11.66	-10.96/-10.26	-9.71/-9.43	-9.31/-9.03	-8.60/-8.07	-7.92/-7.54	-7.29/-6.89	-6.63/-6.50	-5.72/-5.50	-5.02/-5.70	-6.07/-6.87	-9.24/-9.57	-9.74/-9.96	-10.04/-10.02	-10.23/-9.95	-9.50/-9.11	-8.76/-8.41	-8.00/-7.60
θ (180°)	-8.48/-8.72	-9.15/-9.77	-10.46/-10.93	-11.07/-11.26	-11.80/-12.62	-13.39/-13.33	-12.57/-11.73	-10.94/-10.43	-10.10/-10.08	-10.26/-10.54	-10.79/-10.91	-10.97/-10.96	-10.68/-10.27	-9.84/-9.58	-9.25/-9.22	-9.55/-10.00	-10.16/-10.11	-10.28/-10.53	-10.51/-10.55	-10.59/-10.61	-10.37/-9.93	-9.44/-8.97	-8.81/-8.72	-8.63/-8.53
Freq(Hz)	2.4835GPol.	TotalAnt.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)Φ(7.5°)	Φ(15°)Φ(22.5°)	Φ(30°)Φ(37.5°)	Φ(45°)Φ(52.5°)	Φ(60°)Φ(67.5°)	Φ(75°)Φ(82.5°)	Φ(90°)Φ(97.5°)	Φ(105°)Φ(112.5°)	Φ(120°)Φ(127.5°)	Φ(135°)Φ(142.5°)	Φ(150°)Φ(157.5°)	Φ(165°)Φ(172.5°)	Φ(180°)Φ(187.5°)	Φ(195°)Φ(202.5°)	Φ(210°)Φ(217.5°)	Φ(225°)Φ(232.5°)	Φ(240°)Φ(247.5°)	Φ(255°)Φ(262.5°)	Φ(270°)Φ(277.5°)	Φ(285°)Φ(292.5°)	Φ(300°)Φ(307.5°)	Φ(315°)Φ(322.5°)	Φ(330°)Φ(337.5°)	Φ(345°)Φ(352.5°)
θ (0°)	-7.87/-7.87	-7.83/-8.05	-8.61/-9.02	-9.63/-10.20	-10.55/-10.61	-10.65/-10.84	-10.83/-10.60	-10.64/-10.82	-10.88/-10.50	-10.03/-9.57	-9.10/-8.48	-7.85/-7.15	-6.52/-6.33	-6.24/-6.48	-6.87/-7.62	-8.50/-9.02	-9.40/-9.74	-9.97/-9.88	-9.73/-9.75	-10.10/-10.37	-10.54/-9.98	-9.36/-8.82	-8.50/-8.38	-8.39/-8.29
θ (7.5°)	-7.72/-8.72	-7.95/-8.41	-8.83/-9.70	-10.88/-12.12	-12.96/-12.98	-12.98/-13.13	-13.03/-12.51	-12.57/-12.61	-12.50/-12.79	-12.61/-12.06	-11.23/-10.03	-8.81/-7.86	-7.17/-7.44	-6.60/-6.67	-6.78/-7.24	-7.66/-8.02	-8.35/-8.60	-8.74/-8.85	-8.76/-8.78	-8.92/-8.83	-8.62/-8.29	-7.88/-7.57	-7.42/-7.50	-7.69/-7.85
θ (15°)	-6.86/-7.11	-4.77/-4.87	-4.88/-5.12	-10.12/-11.08	-12.35/-11.96	-12.35/-12.91	-13.56/-13.21	-14.10/-13.95	-14.11/-14.59	-15.03/-14.03	-12.29/-10.74	-9.38/-9.31	-7.58/-7.05	-6.90/-6.72	-7.28/-7.60	-7.80/-7.91	-8.68/-8.12	-8.02/-8.77	-7.65/-7.42	-8.02/-8.77	-8.62/-8.51	-6.16/-6.35	-5.71/-5.75	-6.75/-7.07
θ (22.5°)	-6.44/-6.46	-6.39/-6.32	-6.30/-6.40	-6.59/-6.90	-7.17/-7.55	-8.01/-8.70	-9.44/-10.05	-11.32/-12.28	-14.00/-15.09	-15.08/-13.09	-11.67/-10.32	-9.37/-8.31	-7.53/-6.92	-6.52/-6.21	-5.98/-5.95	-6.12/-6.27	-6.39/-6.45	-6.39/-6.34	-6.44/-6.47	-6.22/-5.88	-5.49/-5.14	-4.92/-4.86	-5.10/-5.61	-6.17/-6.61
θ (30°)	-6.14/-5.98	-5.66/-5.53	-5.18/-4.87	-4.57/-4.37	-4.35/-4.43	-4.75/-5.21	-5.78/-5.64	-7.48/-8.40	-9.33/-10.22	-11.10/-11.69	-11.38/-10.25	-8.96/-7.86	-7.04/-6.44	-5.91/-5.38	-4.82/-4.41	-4.17/-4.03	-4.04/-4.17	-4.52/-4.73	-4.68/-4.43	-4.25/-4.23	-4.64/-4.63	-5.01/-5.51	-6.09/-6.36	
θ (37.5°)	-4.66/-4.64	-4.66/-4.69	-4.49/-4.12	-3.74/-3.41	-3.16/-3.06	-3.43/-3.17	-3.41/-3.70	-4.29/-4.98	-5.70/-6.32	-7.01/-7.65	-7.89/-7.71	-7.47/-6.99	-6.64/-6.28	-5.58/-5.24	-4.20/-4.20	-2.25/-2.36	-2.53/-2.82	-3.09/-3.14	-3.39/-3.83	-4.24/-4.48	-4.55/-4.64	-4.79/-4.84		
θ (45°)	-3.19/-3.28	-3.45/-3.63	-3.61/-3.57	-3.59/-3.64	-3.58/-3.38	-3.08/-2.75	-2.37/-2.11	-2.26/-2.75	-3.30/-3.77	-4.12/-4.42	-4.78/-5.25	-5.77/-6.34	-6.78/-6.95	-6.73/-5.91	-4.85/-3.79	-3.10/-2.73	-2.67/-2.54	-2.39/-2.15	-1.90/-1.69	-1.56/-1.68	-2.15/-2.64	-2.93/-2.95	-2.93/-2.90	-3.04/-3.20
θ (52.5°)	-1.40/-1.58	-1.79/-1.82	-1.68/-1.45	-1.31/-1.47	-1.83/-2.40	-2.86/-3.13	-2.88/-2.33	-2.02/-2.05	-2.23/-2.43	-2.68/-2.94	-3.16/-3.41	-3.71/-4.13	-4.66/-5.37	-6.00/-6.38	-6.22/-6.50	-4.83/-4.13	-3.41/-2.60	-1.79/-1.26	-0.97/-0.90	-1.27/-2.05	-2.82/-3.07	-2.96/-2.70	-2.30/-1.90	-1.62/-1.52
θ (60°)	0.06/-0.21	-0.05/-0.78	-0.82/0.64	-0.74/-1.11	-0.12/0.32	-0.74/-1.17	-1.36/-1.24	-1.06/-0.92	-0.88/-1.20	-1.23/-2.20	-2.83/-2.92	-2.82/-2.42	-2.28/-2.30	-1.49/-2.02	-3.11/-3.22	-3.09/-2.96	-3.00/-2.82	-2.67/-3.02	-3.53/-3.91	-4.40/-4.26	-3.62/-2.24	-1.95/-0.98	-0.48/-0.07	0.12/0.13
θ (67.5°)	-0.66/-0.69	-0.67/-0.72	-0.80/-0.85	-0.65/-0.28	-0.08/0.02	-0.08/0.36	-0.56/-0.67	-0.50/-0.11	0.32/0.45	0.22/-0.27	-0.83/-1.20	-1.17/-0.94	-0.72/-0.44	-0.40/-0.69	-1.16/-1.60	-1.82/-2.16	-3.05/-3.89	-4.34/-4.65	-4.06/-2.99	-2.04/-1.26	-0.84/-0.81	-0.73/-0.36	-0.12/-0.41	-0.24/-0.43
θ (75°)	-0.90/-1.08	-1.13/-1.27	-1.47/-1.69	-1.91/-1.82	-1.56/-1.36	-1.10/-1.07	-0.54/-0.50	-0.40/-0.20	0.02/0.00	-0.18/-0.52	-0.87/-1.00	-0.82/-0.39	0.04/0.30	0.24/0.11	-0.09/-0.21	-0.10/-0.10	-0.30/-0.60	-1.05/-1.46	-1.41/-1.09	-0.96/-0.95	-0.99/-0.89	-0.43/0.12	0.34/0.18	-0.17/-0.52
θ (82.5°)	-1.74/-1.78	-1.93/-2.10	-2.40/-2.59	-2.65/-2.53	-2.15/-2.06	-2.28/-2.23	-1.87/-1.24	-0.77/-0.30	0.09/0.14	-0.12/0.57	-0.99/-1.01	-0.74/0.38	-0.08/0.02	0.05/0.17	0.29/0.43	0.42/0.42	0.40/0.33	0.03/0.14	-0.19/-0.10	0.01/0.01	-0.29/-0.80	-1.36/-1.67		
θ (90°)	-1.16/-0.97	-0.98/-1.34	-2.15/-3.03	-2.92/-2.19	-1.58/-1.14	-0.92/-0.77	-0.65/-0.56	-0.62/0.83	-1.13/-1.65	-2.20/-2.42	-2.26/-1.71	-1.13/-0.77	-0.73/-0.72	-0.54/-0.32	-0.13/-0.11	0.05/0.62	0.60/0.31	-0.15/-1.02	-1.37/-1.19	-0.69/-0.11	0.13/0.04	-0.37/-0.67	-0.92/-1.12	
θ (97.5°)	-2.89/-2.84	-2.41/-2.04	-2.10/-2.88	-3.54/-3.09	-2.98/-3.41	-3.47/-3.01	-2.44/-1.93	-1.47/-1.01	-0.77/-0.80	-0.89/-0.66	-0.90/-0.99	-1.12/-1.41	-1.68/-1.81	-1.81/-1.72	-1.82/-1.79	-1.24/-0.80	-0.90/-1.42	-1.95/-1.99	-2.05/-1.56	-1.01/-0.74	-0.60/-0.75	-1.21/-1.62	-1.96/-2.21	-2.92/-2.57
θ (105°)	-3.36/-3.72	-3.70/-3.13	-2.52/-2.56	-2.86/-2.57	-2.25/-2.63	-3.09/-3.15	-2.80/-2.39	-2.17/-2.31	-2.37/-2.50	-2.70/-2.54	-2.22/-1.78	-1.48/-1.29	-1.34/-1.72	-2.15/-2.65	-3.30/-3.38	-3.37/-3.87	-3.74/-3.05	-2.42/-1.99	-2.18/-2.55	-2.76/-3.06	-3.20/-2.40	-1.99/-1.29	-2.63/-2.98	
θ (112.5°)	-4.66/-4.69	-4.81/-4.82	-4.33/-3.61	-3.17/-2.95	-2.81/-2.98	-3.43/-3.80	-3.92/-3.94	-3.87/-4.13	-4.19/-3.52	-2.84/-1.83	-1.25/-0.97	-0.49/-1.06	-1.42/-1.86	-2.12/-2.56	-2.93/-3.29	-2.89/-1.95	-1.61/-1.80	-1.87/-2.26	-3.06/-4.90	-7.12/-7.19	-5.73/-4.47	-3.29/-2.40	-2.21/-2.79	-3.73/-4.27
θ (120°)	-7.50/-7.57	-7.35/-7.78	-8.49/-7.79	-6.22/-4.84	-3.93/-4.47	-3.31/-3.09	-2.83/-2.59	-2.26/-2.35	-3.05/-3.61	-3.88/-4.12	-4.68/-5.57	-6.17/-6.16	-5.8											



Antenna Pattern Test Mode 2_For 2.4GHz and 5GHz U-NII 1 ~ U-NII 3

Appendix B.2

Theta	Phi	Gain	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°)				
0(120°)	-6.18/9.21	-9.29/-10.03	-14.87/-9.83	-9.93/-16.05	-15.85/-14.56	-12.65/-11.69	-8.66/-5.69	-3.86/-3.45	-3.63/-5.24	-6.66/-6.81	-12.29/-11.08	-12.27/-15.81	-9.24/-10.60	-12.97/-7.85	-4.19/-4.81	-7.94/-8.11	-8.59/-8.10	-7.01/-7.24	-8.03/1.00	0.37/-3.54	-0.32/2.43	0.03/-0.21	-3.72/-7.07	-14.91/-7.21						
0(127.5°)	-7.80/-10.12	-12.20/-5.35	-4.07/-6.55	-4.79/-5.65	-5.54/-6.41	-10.06/-14.61	-14.67/-7.14	-11.34/-9.06	-9.07/-8.06	-6.47/-6.88	-5.15/-4.19	-5.62/-4.34	-3.87/-4.16	-3.50/-3.03	-6.84/-9.55	-6.22/-3.93	-1.51/-2.06	0.48/-3.75	-1.76/-1.72	1.39/-3.27	-5.72/-2.84	-3.27/-8.64	-10.98/-10.66	-13.51/-9.37						
0(135°)	-6.44/-10.22	-9.29/-4.24	-6.28/-7.40	-3.01/-3.99	-4.77/-4.13	-4.53/-7.09	-11.83/-15.53	-15.97/-15.63	-14.70/-11.86	-12.64/-12.75	-10.99/-9.52	-9.49/-12.35	-14.08/-12.31	-9.80/-8.75	-11.42/-6.75	-4.33/-3.04	-5.50/-4.83	-6.98/-9.38	-10.65/-6.34	-5.66/-8.59	-7.81/-4.10	-4.69/-6.57	-5.92/-10.70	-14.54/-10.17						
0(142.5°)	0.97/0.05	-2.85/-5.47	-10.60/-12.29	-7.62/-5.83	-5.08/-6.41	-7.96/-8.44	-8.56/-7.12	-4.96/-3.66	-4.50/-6.26	-8.59/-12.81	-15.78/-12.96	-12.50/-11.48	-8.23/-6.57	-8.14/-11.91	-9.17/-6.64	-8.47/-7.73	-4.92/-4.53	-4.91/-3.97	-1.88/-1.77	-4.02/-5.38	-4.05/-9.89	-0.61/3.48	-6.94/-6.89	-3.49/-0.58						
0(150°)	-4.54/-4.82	-5.19/-5.45	-6.31/-9.00	-10.05/-8.47	-8.44/-8.32	-8.39/-10.32	-7.39/-8.69	-10.28/-12.56	-14.74/-11.46	-8.38/-9.06	-10.52/-10.45	-9.75/-9.10	-7.66/-5.92	-4.83/-4.76	-6.17/-6.72	-3.89/-3.31	-3.90/-2.88	-4.13/-6.51	-4.11/-2.65	-3.29/-3.57	-3.39/-2.01	-4.01/-1.59	-3.78/-5.31	-5.14/-4.51						
0(157.5°)	-1.97/-2.50	-4.38/-6.67	-8.08/-8.18	-9.85/-9.76	-8.04/-7.89	-8.77/-10.06	-13.74/-15.38	-13.88/-12.89	-11.85/-9.52	-7.54/-7.59	-8.09/-7.80	-6.22/-6.69	-3.94/-3.37	-2.73/-2.20	-1.89/-1.99	-2.81/-2.39	-2.87/-4.07	-6.73/-10.02	-7.63/-5.33	-5.02/-5.52	-6.06/-9.90	-4.70/-4.63	-7.01/-4.65	-3.29/-2.58						
0(165°)	-12.88/-11.86	-8.92/-6.70	-5.06/-4.42	-4.57/-5.01	-4.96/-5.57	-5.78/-5.44	-4.88/-4.06	-3.34/-2.89	-2.52/-2.50	-1.92/-1.58	-1.49/-1.51	-1.73/-1.98	-2.37/-2.89	-3.88/-4.97	-6.37/-7.08	-7.08/-7.20	-8.39/-11.11	-14.85/-15.56	-13.75/-10.29	-7.68/-5.96	-5.33/-5.97	-7.10/-7.14	-5.91/-5.22	-6.74/-9.64						
0(172.5°)	-10.55/-12.00	-12.44/-15.02	-15.28/-15.61	-14.78/-13.61	-13.60/-13.08	-12.09/-10.58	-9.18/-7.65	-6.43/-5.52	-4.56/-3.85	-3.42/-3.21	-3.06/-3.11	-3.43/-4.08	-5.02/-6.31	-7.68/-8.81	-8.87/-11.09	-11.69/-12.07	-14.93/-14.17	-11.80/-9.90	-8.29/-7.30	-7.14/-7.71	-8.32/-9.10	-8.93/-8.91	-10.05/-11.44							
0(180°)	-12.49/-14.50	-12.40/-10.92	-9.81/-9.37	-9.23/-10.12	-11.79/-12.98	-13.50/-13.95	-14.04/-14.55	-14.49/-14.64	-14.83/-13.92	-12.86/-11.53	-11.16/-10.14	-10.09/-10.20	-10.53/-10.84	-10.29/-9.48	-8.51/-7.49	-7.04/-7.02	-5.71/-8.46	-8.52/-7.88	-6.08/-6.54	-5.93/-6.28	-6.97/-7.33	-7.75/-8.28	-8.29/-8.09	-8.99/-10.70						
Freq(Hz)	5.785GPol.	TotalAnt.2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Gain	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°)						
0(0°)	-12.88/-13.39	-13.62/-13.70	-14.33/-13.66	-12.98/-15.72	-13.98/-15.89	-15.27/-14.61	-15.71/-12.86	-12.89/-13.45	-13.98/-15.07	-15.27/-14.61	-12.89/-13.45	-13.98/-15.07	-15.27/-14.61	-12.89/-13.45	-13.98/-15.07	-15.27/-14.61	-12.89/-13.45	-13.98/-15.07	-15.27/-14.61	-12.89/-13.45	-13.98/-15.07	-15.27/-14.61	-12.89/-13.45	-13.98/-15.07	-15.27/-14.61					
0(7.5°)	-9.43/-9.40	-9.43/-9.05	-8.89/-8.95	-7.79/-6.83	-7.63/-8.25	-8.35/-8.53	-8.52/-8.74	-9.54/-10.50	-11.74/-12.62	-12.11/-12.31	-12.43/-12.52	-13.04/-13.64	-14.86/-15.11	-15.48/-15.42	-14.87/-15.45	-15.21/-15.63	-14.99/-13.94	-14.66/-14.74	-14.17/-13.82	-12.28/-12.40	-12.62/-12.55	-12.22/-12.03	-11.72/-11.01	-10.20/-10.34						
0(15°)	-7.36/-7.24	-6.66/-6.97	-5.56/-6.63	-5.84/-5.11	-5.40/-5.07	-5.56/-5.91	-6.32/-7.45	-8.71/-9.62	-8.86/-9.83	-9.29/-9.37	-9.69/-10.32	-10.96/-11.75	-12.39/-12.62	-13.00/-13.64	-14.30/-13.75	-13.01/-13.59	-14.73/-15.64	-15.76/-14.86	-12.81/-11.81	-11.53/-10.76	-9.55/-8.41	-8.32/-8.35	-8.21/-7.34	-7.72/-8.30						
0(22.5°)	-4.46/-3.99	-3.66/-3.52	-3.24/-2.94	-3.00/-2.28	-2.05/-2.17	-3.08/-3.45	-3.18/-2.97	-3.00/-3.84	-4.93/-5.96	-6.36/-6.57	-7.33/-8.76	-10.10/-11.42	-11.95/-12.64	-12.38/-12.23	-10.64/-9.31	-9.26/-10.88	-8.89/-8.01	-7.05/-6.93	-5.69/-6.83	-4.71/-4.79	-5.67/-5.57	-4.71/-4.79	-4.29/-5.81	-4.89/-4.71						
0(30°)	-1.36/-1.36	-1.02/-0.70	-0.54/-0.47	-0.69/-1.57	-1.65/-1.33	-1.29/-0.93	-0.43/-0.16	-0.11/-0.69	-1.70/-3.07	-4.04/-4.61	-5.64/-7.62	-10.70/-14.14	-15.23/-13.41	-11.38/-9.02	-7.22/-6.14	-6.08/-5.97	-4.79/-3.85	-4.36/-6.04	-6.08/-5.44	-5.41/-4.86	-3.96/-3.77	-3.71/-3.83	-3.89/-3.02	-2.63/-2.01						
0(37.5°)	-1.60/-2.03	-3.03/-3.97	-4.93/-5.78	-5.77/-5.64	-5.35/-5.34	-5.26/-4.92	-4.09/-3.21	-2.40/-1.80	-1.31/-1.30	-1.83/-2.43	-2.53/-2.93	-3.98/-5.63	-7.03/-7.67	-7.66/-7.88	-8.61/-6.47	-4.34/-3.69	-3.26/-3.07	-3.08/-2.21	-2.44/-3.96	-3.96/-3.41	-3.58/-4.76	-5.69/-4.88	-3.02/-2.22	-1.97/-1.72						
0(45°)	-5.37/-5.01	-4.23/-4.44	-4.29/-3.75	-4.62/-5.21	-5.32/-5.24	-4.82/-4.96	-4.50/-4.90	-8.71/-6.72	-5.28/-4.82	-2.71/-2.18	-1.58/-1.40	-2.01/-3.22	-4.76/-4.60	-4.51/-4.08	-5.23/-3.77	-5.78/-5.82	-4.77/-6.35	-5.37/-2.68	-2.35/-2.74	-4.09/-3.89	-2.13/-2.25	-3.24/-3.21	-2.78/-3.91							
0(52.5°)	-0.67/0.11	0.08/0.85	1.39/1.30	2.08/1.79	0.85/0.66	-1.48/-1.34	-1.40/-0.95	-2.42/-4.58	-7.88/-10.74	-8.94/-5.56	-4.71/-3.40	-2.68/-2.66	-2.27/-2.00	-2.93/-3.71	-3.21/-3.28	-2.44/-2.27	-1.99/-3.01	-3.25/-2.29	-2.49/-3.48	-4.48/-4.56	-2.68/-1.42	-1.37/-1.37	-1.27/-2.44	-3.18/-2.55						
0(60°)	0.89/0.20	0.18/0.31	-0.60/-0.54	0.04/-0.57	1.99/1.33	-1.24/-1.23	0.58/1.32	1.15/0.20	-1.12/-2.41	-3.27/-3.24	-2.95/-2.58	-2.61/-2.35	-2.42/-2.44	-1.59/-6.68	-0.40/-0.64	-2.25/-2.23	-5.20/-4.82	-4.96/-2.57	-3.44/-6.67	-3.50/3.1	2.06/1.11	-0.26/-2.95	-4.57/-2.03	-0.75/0.49						
0(67.5°)	1.57/1.66	0.76/0.65	-1.28/-1.54	-1.54/-0.38	-0.68/-1.58	-2.03/-3.67	-1.70/-2.05	-1.22/-1.14	-0.41/0.71	1.07/0.88	-0.10/-0.35	-0.62/-2.42	-2.32/-1.63	-1.91/-1.89	-0.95/0.69	-0.29/0.43	1.12/1.10	2.91/2.40	1.46/1.61	2.37/2.12	2.99/2.46	1.57/2.29	2.92/2.46							
0(75°)	0.35/0.85	0.97/1.87	0.89/0.83	1.30/1.46	1.61/2.01	0.47/0.57	1.23/0.22	-2.04/-1.17	-3.50/-2.12	0.57/0.93	0.02/0.04	-0.06/0.03	0.80/0.20	-1.61/-1.17	-1.02/-0.61	-1.04/0.57	0.50/0.82	1.00/1.56	-0.82/-2.58	-0.82/-2.07	1.32/2.62	2.90/1.04	0.78/0.33	-1.53/-1.57						
0(82.5°)	1.16/1.57	1.19/0.50	2.10/1.94	2.04/2.11	2.63/3.35	0.65/1.28	1.86/1.81	1.36/0.19	0.22/0.32	-0.83/-2.63	-1.73/-1.14	-1.06/0.80	1.62/1.74	2.58/2.68	1.83/1.20	1.45/0.01	1.59/1.68	-1.00/-1.29	0.52/0.07	0.30/1.83	2.09/1.38	0.46/1.17	-4.11/-2.21	0.87/1.56						
0(90°)	3.14/2.18	2.82/2.22	-2.04/-4.47	-1.06/-0.92	-1.59/-2.67	-3.03/-1.99	-1.00/-5.33	-0.34/-1.61	-1.80/0.00	0.88/0.17	0.43/0.12	-1.59/0.60	-4.78/-4.88	-4.88/-4.59	-2.57/-1.90	-0.86/0.20	-1.02/-0.75	-1.16/1.41	0.66/1.00	-0.36/0.05	-4.76/-4.38	-4.57/-2.33	1.66/3.59	4.15/3.73						
0(97.5°)	-2.37/-1.81	-0.31/0.50	-0.67/0.11	-0.84/1.50	1.85/0.13	-3.86/-4.72	-2.08/-1.85	-1.97/-1.87	-1.31/-0.11	-1.05/-0.36	0.09/0.07	0.35/0.97	0.18/0.39	0.02/1.59	-0.15/-0.85	-3.43/-5.60	-4.98/-6.29	-2.21/-2.81	-2.93/-13.03	-3.41/-0.38	-1.46/0.47	1.79/0.06	-1.81/-3.75	-3.91/-2.99						
0(105°)	-1.16/-1.03	-0.24/-0.44	-0.79/-1.77	-2.49/-1.16	-1.07/0.45	-1.63/-3.18	-2.68/-1.42	-2.01/-3.79	-5.08/-8.09	-5.43/-2.29	-1.67/-1.73	-1.36/-1.26	-1.28/0.75	-0.21/-0.46	-0.45/-1.18	-1.07/0.07	-1.47/-1.18	-3.63/-2.21	-4.88/1.11	-0.05/-0.51	1.80/1.02	-5.04/-3.75	-2.02/-2.03	-3.05/-2.38						
0(112.5°)	0.67/0.69	-1.78/-4.05	-7.27/2.14	-1.03/-1.02	-2.43/-4.35	-5.23/-5.11	-5.58/-5.15	-7.91/-2.58	-4.20/-3.70	-6.64/-6.54	-7.16/-7.28	-5.90/-4.77	-3.18/-4.12	-8.07/9.68	-5.60/-5.18	-2.60/-3.38	-1.94/-1.44	-6.70/-4.65	-9.27/-7.35	-3.28/-1.78	-2.17/-2.10	-1.72/-1.20	-1.18/-1.13							
0(120°)	-1.99/-8.06	-8.33/-9.12	-14.52/-7.98	-8.04/-11.90	-8.70/-7.49	-6.05/-6.43	-6.15/-3.88	-3.25/-3.10	-2.54/-4.31	-4.79/-6.46	-9.08/-8.56	-5.31/-7.89	-10.47/-5.32	-8.23/-8.78	-6.28/-2.19	-5.03/-3.74	-9.95/-7.00	-15.18/-5.15	-10.31/-3.92	-3.48/-5.03	-0.64/0.73	0.59/0.02	-3.35/-7.66	-7.98/-1.70						
0(127.5°)	-3.87/-10.28	-11.30/-6.44	-6.26/-10.84	-8.49/-8.70	-10.26/-14.13	-14.93/-12.16	-9.10/-6.71	-5.91/-5.29	-6.03/-5.17	-4.80/-6.48	-5.20/-3.38	-4.65/-4.14	-3.31/-2.89	-2.16/-3.00	-4.97/-8.42	-4.78/-3.99	-0.99/-1.61	-0.43/-1.90	-1.33/2.12	1.90/-2.29	-4.93/-2.03	-0.49/-3.88	-6.94/-7.63	-8.72/-3.46						
0(135°)	-6.62/-8.34	-14.46/-9.48	-6.81/4.36	-2.56/-3.77	-5.93/-7.36	-8.45/-7.12	-7.05/-11.05	-15.79/-15.21	-15.39/-14.39	-5.77/-5.06	-6.75/-6.49	-5.89/-4.88	-5.23/-6.88	-9.59/-5.69	-3.37/-6.34	-4.96/-5.51	-7.46/-5.20													



Antenna Pattern Test Mode 2_For 2.4GHz and 5GHz U-NII 1 ~ U-NII 3

Appendix B.2

θ (172.5°)	-4.05/-4.13	-4.10/-3.97	-3.94/-4.27	-4.37/-4.21	-3.45/-2.69	-2.13/-1.82	-1.61/-1.44	-1.29/-1.04	-0.67/-0.50	-0.61/-0.90	-1.39/-1.95	-2.54/-3.03	-3.53/-3.88	-4.06/-4.22	-4.39/-4.55	-4.76/-5.01	-5.25/-5.57	-5.99/-6.00	-5.54/-4.76	-4.29/-4.07	-3.70/-3.59	-3.83/-4.12	-4.25/-4.23	-4.30/-4.40
θ (180°)	-2.13/-2.31	-2.25/-2.06	-1.94/-1.92	-1.82/-1.54	-1.17/-0.81	-0.56/-0.51	-0.54/-0.68	-0.94/-1.13	-1.16/-1.20	-1.44/-1.77	-2.08/-2.41	-2.75/-3.00	-3.11/-3.12	-3.20/-3.48	-3.65/-3.66	-3.59/-3.49	-3.40/-3.32	-3.28/-3.15	-2.90/-2.66	-2.52/-2.57	-2.33/-2.13	-2.13/-2.21	-2.15/-2.00	-1.97/-2.13

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

