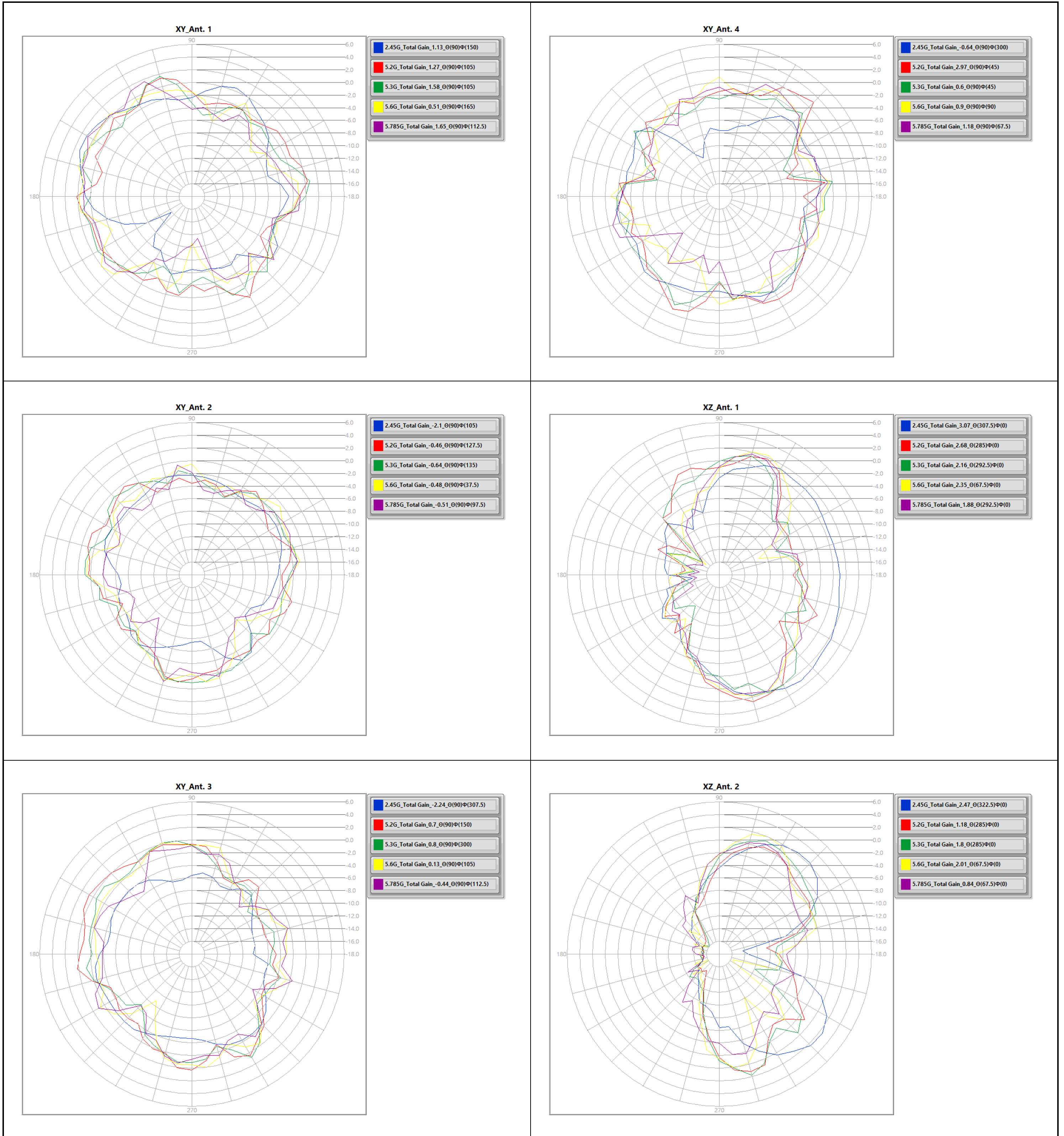
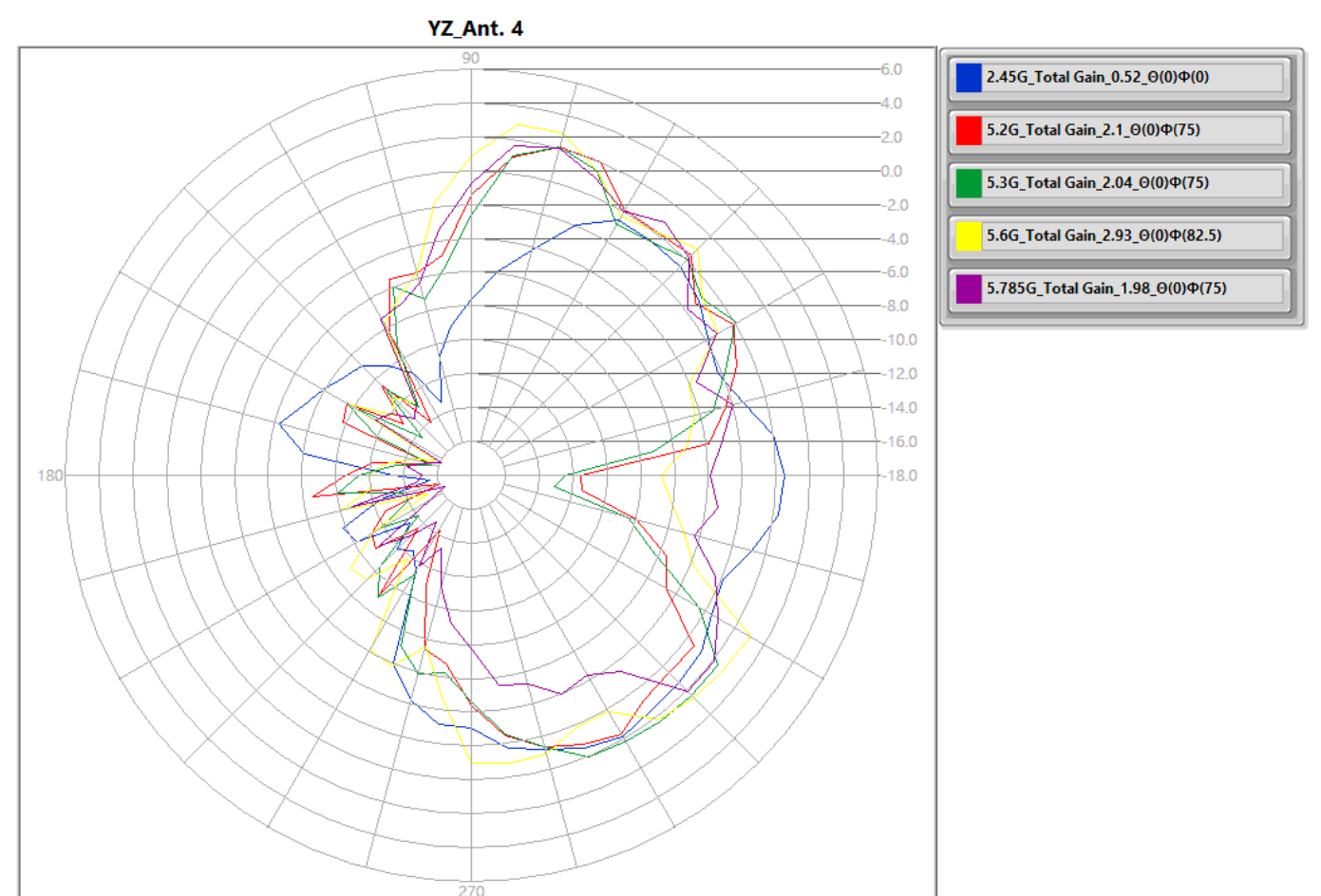
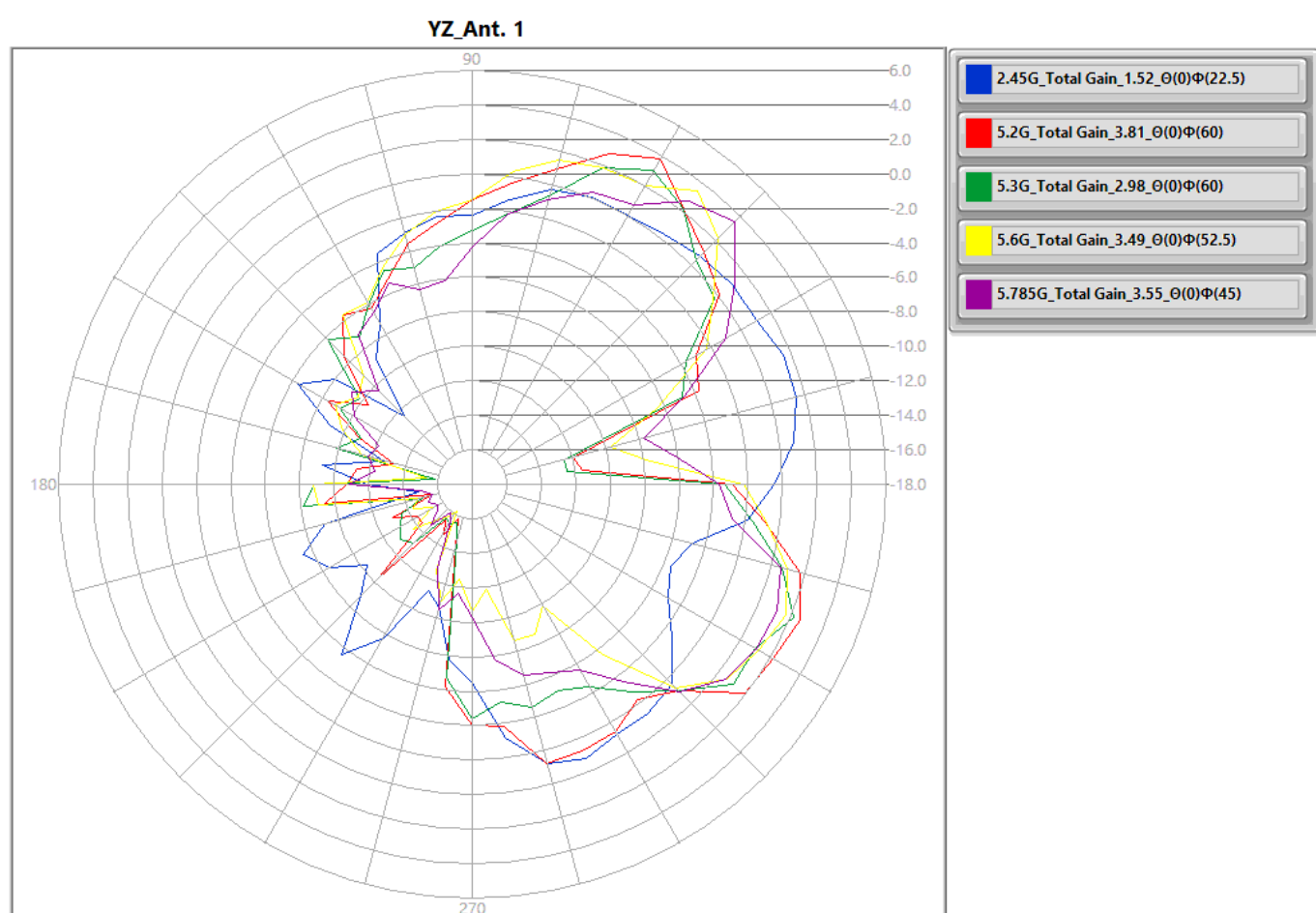
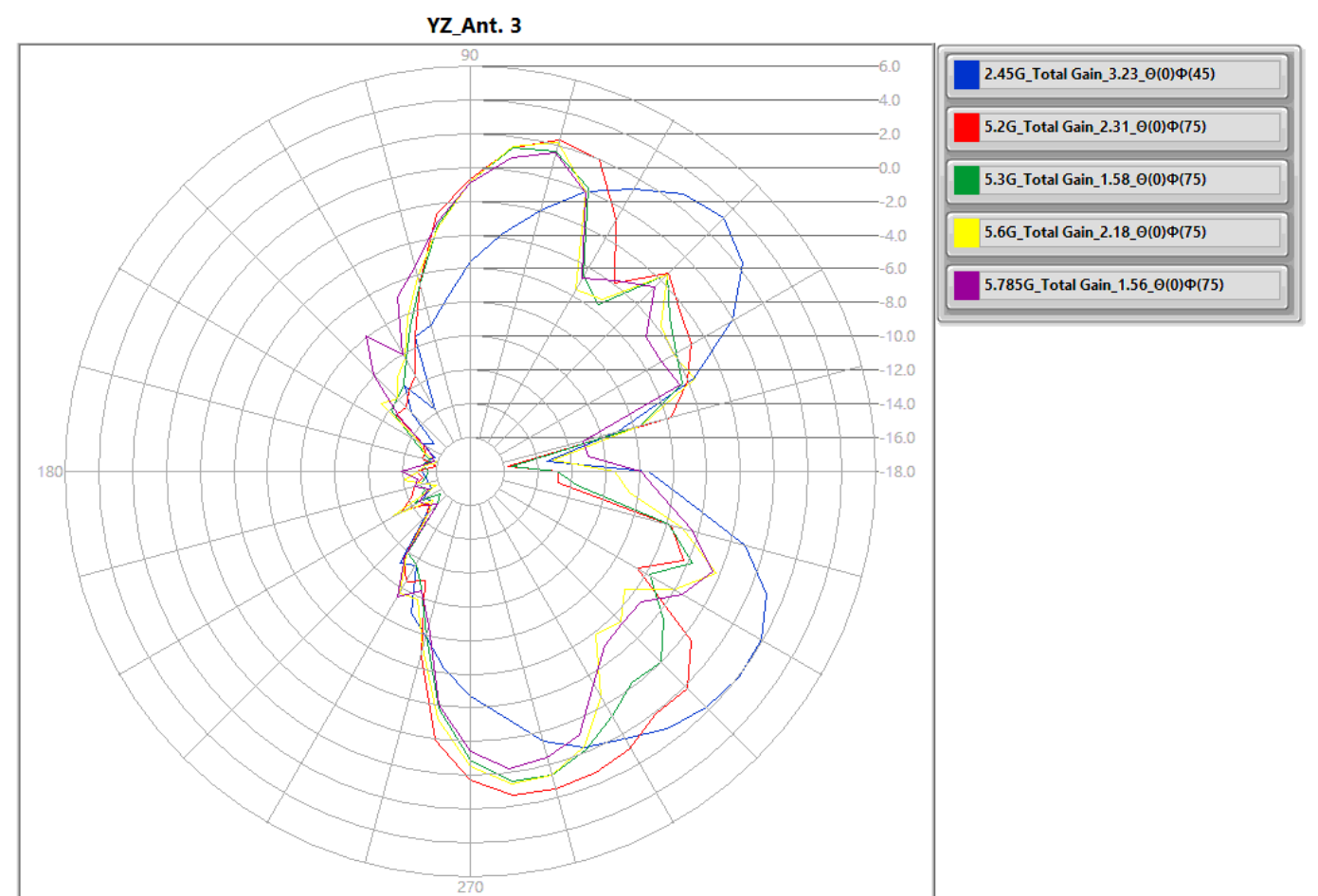
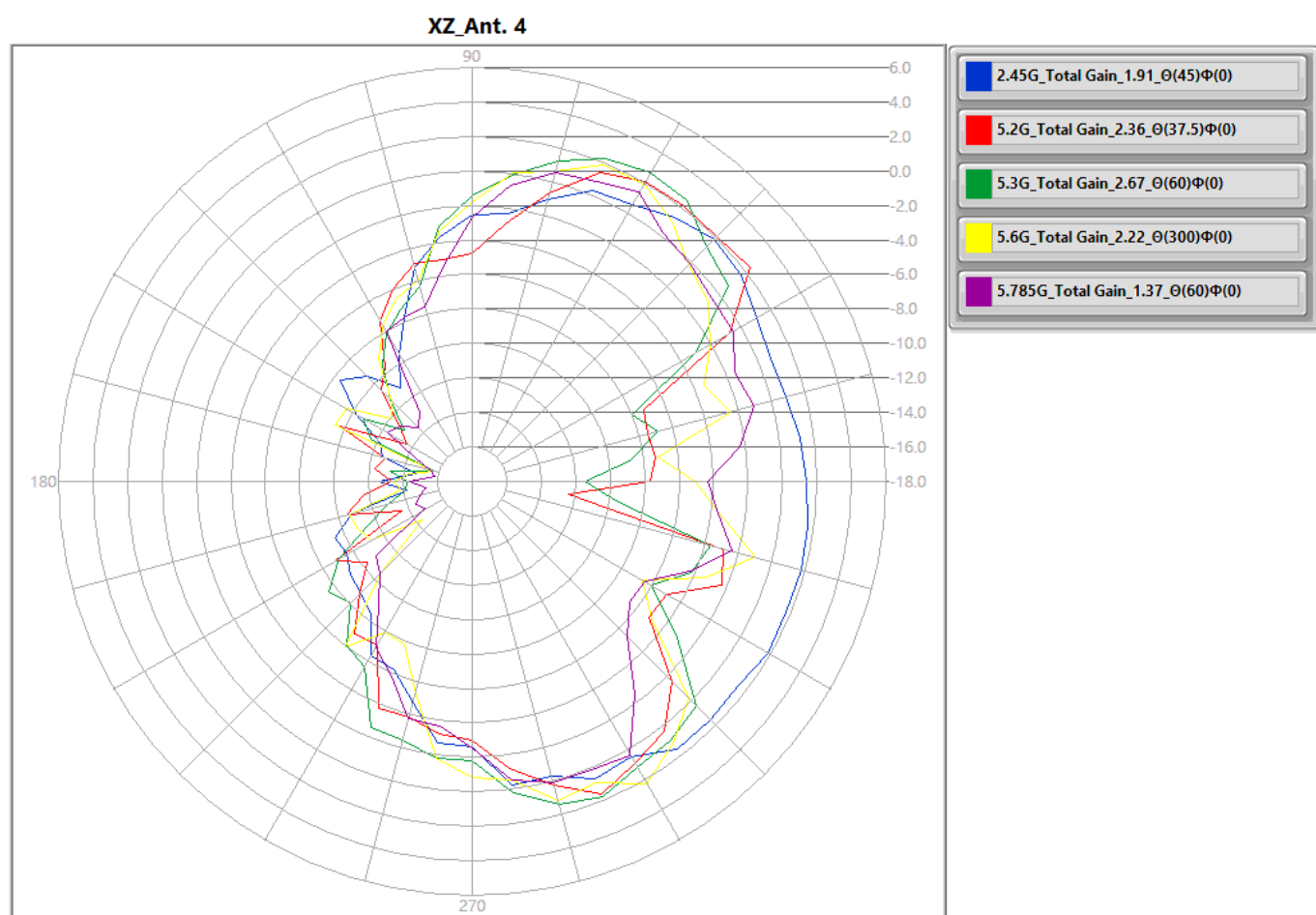
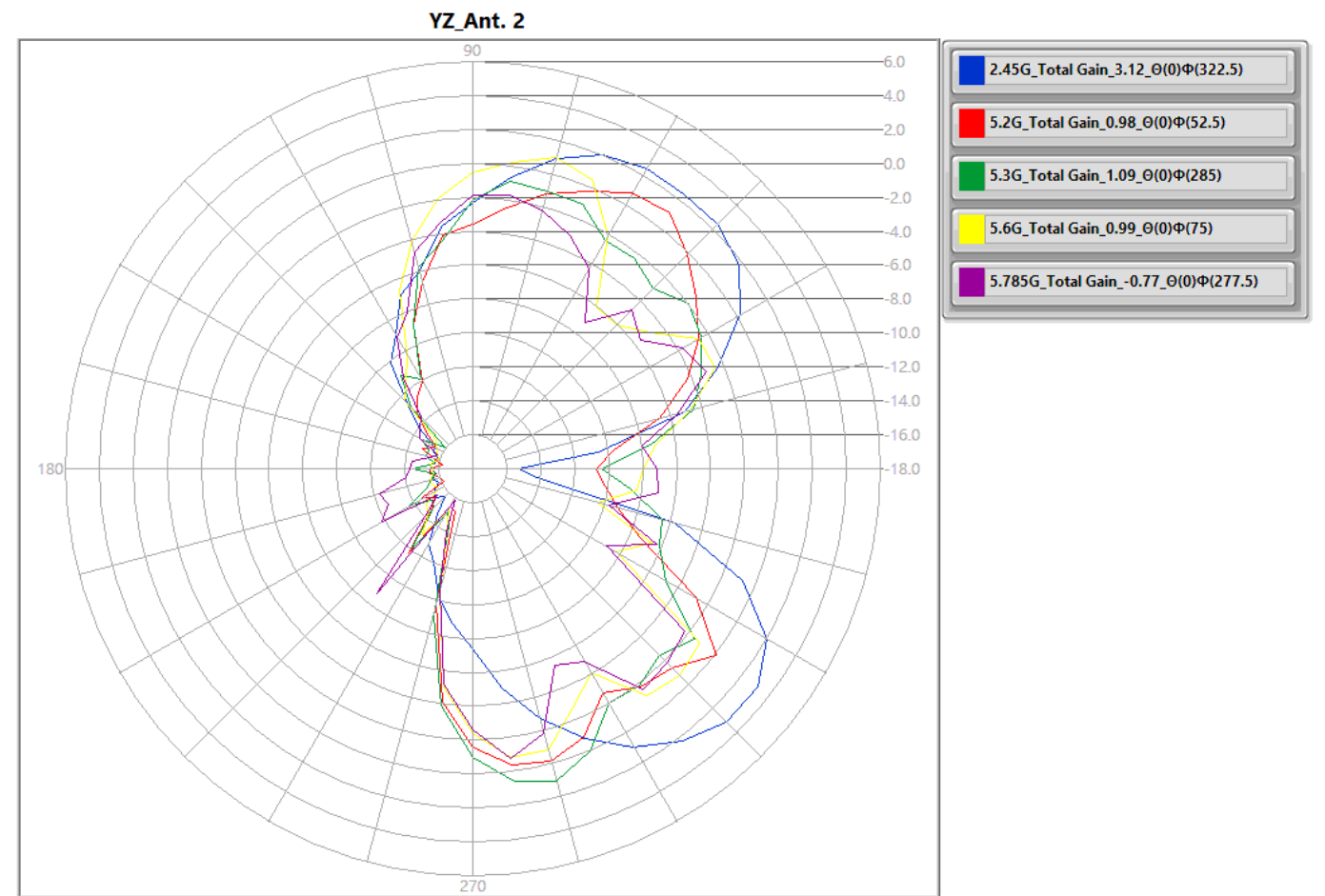
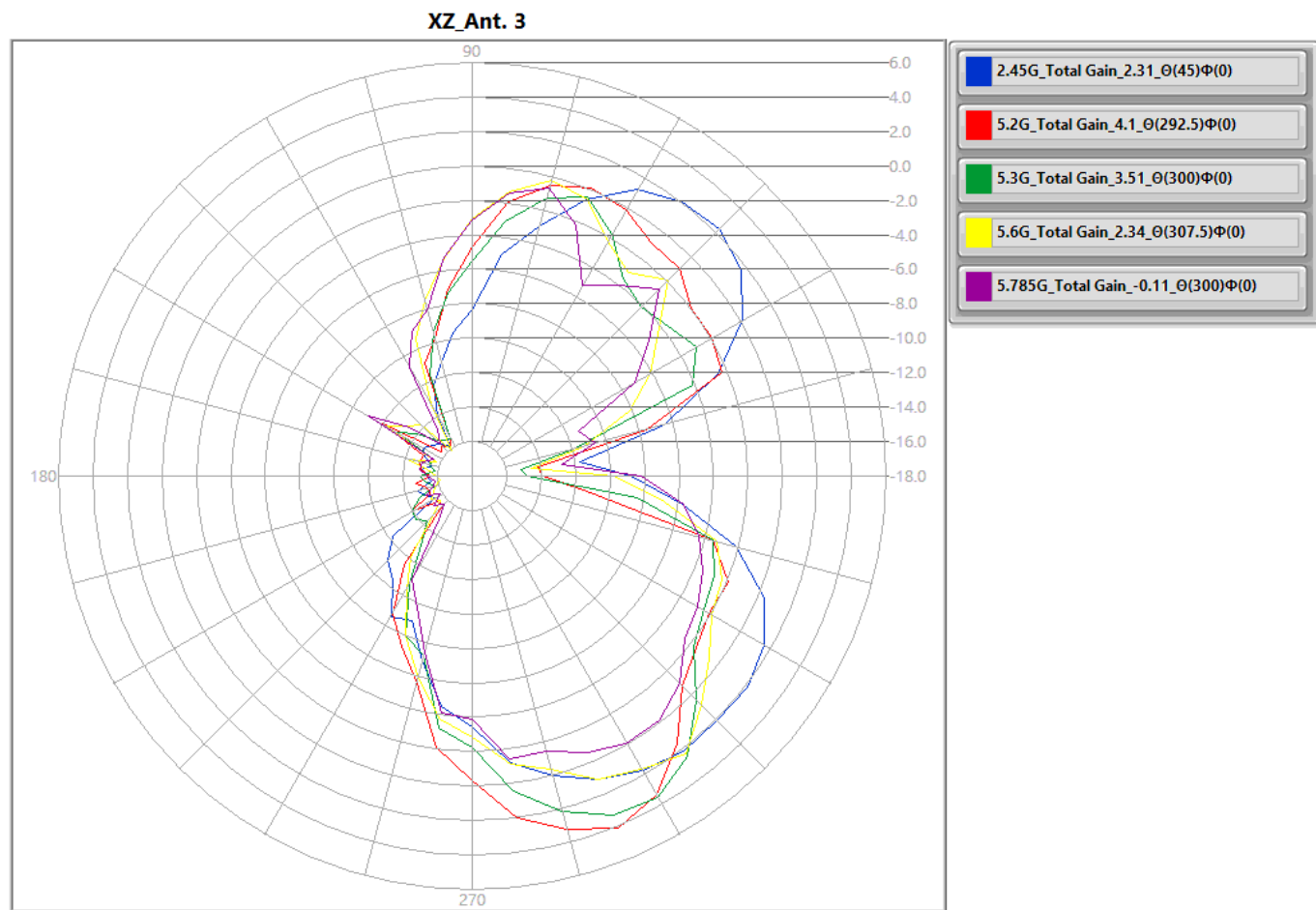


E1(XY plane) – $\Theta(90)\Phi(0-360)$
E2(XZ plane) – $\Theta(0-180)\Phi(0)$ and $\Theta(0-180)\Phi(180)$
E3(YZ plane) – $\Theta(0-180)\Phi(90)$ and $\Theta(0-180)\Phi(270)$







Total Gain Summary

XZ_5.2G_Ant. 1_Total Gain_1.29_Θ(315)Φ(0)	XZ_5.3G_Ant. 1_Total Gain_1.28_Θ(45)Φ(0)	XZ_5.6G_Ant. 1_Total Gain_1.89_Θ(37.5)Φ(0)	XZ_5.785G_Ant. 1_Total Gain_2_Θ(30)Φ(0)
YZ_5.2G_Ant. 1_Total Gain_0.32_Θ(0)Φ(322.5)	YZ_5.3G_Ant. 1_Total Gain_-0.12_Θ(0)Φ(330)	YZ_5.6G_Ant. 1_Total Gain_1.28_Θ(0)Φ(45)	YZ_5.785G_Ant. 1_Total Gain_0.66_Θ(0)Φ(292.5)
XY_5.2G_Ant. 1_Total Gain_1.09_Θ(90)Φ(277.5)	XY_5.3G_Ant. 1_Total Gain_1.59_Θ(90)Φ(285)	XY_5.6G_Ant. 1_Total Gain_1.25_Θ(90)Φ(142.5)	XY_5.785G_Ant. 1_Total Gain_1.57_Θ(90)Φ(142.5)
XZ_5.2G_Ant. 2_Total Gain_1.92_Θ(315)Φ(0)	XZ_5.3G_Ant. 2_Total Gain_2.71_Θ(315)Φ(0)	XZ_5.6G_Ant. 2_Total Gain_2.61_Θ(315)Φ(0)	XZ_5.785G_Ant. 2_Total Gain_2.38_Θ(67.5)Φ(0)
YZ_5.2G_Ant. 2_Total Gain_1.19_Θ(0)Φ(307.5)	YZ_5.3G_Ant. 2_Total Gain_0.43_Θ(0)Φ(285)	YZ_5.6G_Ant. 2_Total Gain_1.75_Θ(0)Φ(315)	YZ_5.785G_Ant. 2_Total Gain_0.66_Θ(0)Φ(292.5)
XY_5.2G_Ant. 2_Total Gain_-0.07_Θ(90)Φ(285)	XY_5.3G_Ant. 2_Total Gain_-0.33_Θ(90)Φ(255)	XY_5.6G_Ant. 2_Total Gain_0.07_Θ(90)Φ(277.5)	XY_5.785G_Ant. 2_Total Gain_0.47_Θ(90)Φ(225)
XZ_5.2G_Ant. 3_Total Gain_2.26_Θ(67.5)Φ(0)	XZ_5.3G_Ant. 3_Total Gain_1.15_Θ(292.5)Φ(0)	XZ_5.6G_Ant. 3_Total Gain_2.94_Θ(292.5)Φ(0)	XZ_5.785G_Ant. 3_Total Gain_1.77_Θ(292.5)Φ(0)
YZ_5.2G_Ant. 3_Total Gain_2.81_Θ(0)Φ(45)	YZ_5.3G_Ant. 3_Total Gain_3.27_Θ(0)Φ(45)	YZ_5.6G_Ant. 3_Total Gain_1.99_Θ(0)Φ(45)	YZ_5.785G_Ant. 3_Total Gain_1.04_Θ(0)Φ(52.5)
XY_5.2G_Ant. 3_Total Gain_1.1_Θ(90)Φ(307.5)	XY_5.3G_Ant. 3_Total Gain_0.32_Θ(90)Φ(307.5)	XY_5.6G_Ant. 3_Total Gain_1.55_Θ(90)Φ(307.5)	XY_5.785G_Ant. 3_Total Gain_0.31_Θ(90)Φ(255)
XZ_5.2G_Ant. 4_Total Gain_1.78_Θ(322.5)Φ(0)	XZ_5.3G_Ant. 4_Total Gain_0.4_Θ(45)Φ(0)	XZ_5.6G_Ant. 4_Total Gain_1.54_Θ(322.5)Φ(0)	XZ_5.785G_Ant. 4_Total Gain_3.19_Θ(300)Φ(0)
YZ_5.2G_Ant. 4_Total Gain_2.8_Θ(0)Φ(330)	YZ_5.3G_Ant. 4_Total Gain_1.9_Θ(0)Φ(277.5)	YZ_5.6G_Ant. 4_Total Gain_3.38_Θ(0)Φ(330)	YZ_5.785G_Ant. 4_Total Gain_1.95_Θ(0)Φ(300)
XY_5.2G_Ant. 4_Total Gain_0.92_Θ(90)Φ(270)	XY_5.3G_Ant. 4_Total Gain_0.87_Θ(90)Φ(270)	XY_5.6G_Ant. 4_Total Gain_0.89_Θ(90)Φ(322.5)	XY_5.785G_Ant. 4_Total Gain_1.73_Θ(90)Φ(307.5)



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Appendix I

Θ(22.5°)	-2.99/-2.36	-2.38/-3.56	-4.44/-4.10	-3.34/-2.51	-2.08/-1.95	-1.80/-1.72	-2.13/-2.77	-3.55/-4.46	-5.62/-6.88	-7.23/-5.95	-4.13/-2.69	-1.75/-1.41	-1.56/-1.40	-1.14/-1.10	-1.38/-2.12	-3.24/-4.26	-5.12/-5.73	-5.92/-5.99	-5.84/-5.20	-4.82/-4.18	-3.59/-3.14	-2.83/-2.79	-2.83/-3.11	-3.24/-3.00
Θ(30°)	-0.44/0.83	1.49/1.23	0.44/-0.58	-1.74/-2.31	-2.14/-2.19	-2.01/-1.90	-1.88/-2.41	-2.64/-2.29	-2.01/-1.61	-1.07/-0.86	-0.37/0.41	0.58/-0.36	-1.17/-0.84	-0.67/-1.38	-2.52/-3.74	-4.41/-4.59	-4.19/-3.89	-3.80/-3.76	-3.31/-2.57	-1.66/-0.87	-0.69/-1.04	-1.45/-1.86	-1.66/-1.44	-0.64/-0.27
Θ(142.5°)	0.22/1.44	2.34/3.05	2.96/2.17	0.75/-0.58	-0.79/-0.66	-1.01/-1.00	-0.35/-0.50	1.55/2.63	3.08/3.09	2.91/2.23	1.62/2.06	2.38/1.70	0.63/-0.46	-1.62/-3.02	-3.70/-3.60	-3.42/-3.08	-2.42/-2.27	-2.22/-1.62	0.65/-0.92	1.84/2.54	3.63/3.08	2.60/1.94	-1.57/-1.24	-0.53/-0.19
Θ(45°)	0.53/2.22	3.63/4.19	4.09/3.83	2.90/0.75	-0.91/-1.28	-1.94/-1.81	-0.82/0.07	1.05/2.96	4.24/4.76	4.74/4.50	3.85/5.51	3.18/2.69	1.92/0.31	-1.32/-1.83	-1.65/-1.77	-1.88/-1.02	-0.21/-0.69	-1.45/-0.82	1.19/2.87	3.79/4.10	4.16/3.82	2.55/2.82	-0.42/-1.18	-0.94/0.09
Θ(52.5°)	0.61/3.18	4.54/4.86	4.63/4.48	3.42/0.82	-0.58/0.13	-0.14/-1.18	-1.67/-0.76	0.98/2.69	3.78/4.05	3.98/4.04	3.42/2.50	1.47/0.74	0.26/-0.53	-0.14/-0.66	0.37/-0.41	-2.35/-1.24	-0.96/-1.39	-1.62/-0.46	1.19/2.71	3.58/3.75	3.60/3.31	2.69/1.44	0.70/-0.64	-1.22/0.08
Θ(60°)	0.77/3.08	4.26/4.76	5.06/4.99	3.57/0.88	0.50/1.47	-0.32/-0.05	-1.80/-1.11	1.17/2.06	1.47/0.19	-0.83/0.16	0.82/-0.01	-2.13/-1.59	-0.70/-0.18	1.39/2.01	-0.89/-1.77	-0.69/-0.98	-1.72/-0.87	0.97/2.67	3.36/3.08	2.60/1.56	2.01/1.56	-1.57/-1.24	-0.53/-0.25	
Θ(67.5°)	0.51/2.55	3.32/3.92	4.45/4.30	2.52/0.44	1.28/2.21	1.11/-1.19	-1.08/-1.19	2.57/1.97	0.58/-0.09	-0.75/-0.43	-0.39/-1.14	-2.56/-0.59	0.45/-1.17	2.41/2.25	1.14/0.79	-0.34/-1.40	-0.60/-0.91	-1.24/-0.18	0.86/2.36	3.04/2.38	1.02/0.01	0.75/0.66	0.76/0.12	-1.26/-0.75
Θ(75°)	-0.14/-1.71	2.29/2.71	3.09/2.64	1.15/-0.13	0.86/1.37	-0.12/-2.52	-1.51/-1.29	2.28/1.09	-0.24/0.66	1.29/1.04	0.26/-0.11	-1.56/-0.47	0.36/0.32	1.65/-1.16	0.13/0.29	0.27/-0.55	-0.60/-0.67	-1.06/-0.56	0.11/1.85	2.74/1.75	-0.27/-2.57	-2.11/-1.76	-0.51/-0.95	-2.49/-1.21
Θ(82.5°)	-0.77/0.50	0.25/0.90	1.38/0.87	-0.67/-1.84	-0.90/-0.78	-2.31/-4.21	-2.17/0.61	1.03/-0.86	-1.73/0.01	0.93/0.07	-1.74/-1.93	-2.55/-0.74	-1.48/-1.37	-0.66/-1.81	-2.20/-0.50	0.36/-0.06	-0.33/-1.04	-1.92/-1.15	-0.73/-1.12	1.70/0.22	-2.14/-4.32	-4.28/-4.13	-2.41/-2.14	-3.65/-2.89
Θ(90°)	-2.06/-0.78	-1.03/-0.94	-0.73/-1.22	-2.38/-3.70	-3.22/-2.94	-4.79/-6.23	-3.98/-1.46	-1.27/-3.52	-4.93/-2.78	-1.09/-1.70	-4.40/-4.66	-5.12/-3.55	-3.45/-3.18	-2.75/-4.31	-5.20/-3.11	-1.53/-1.71	-2.11/-2.75	-2.97/-2.93	-2.60/-0.34	-0.07/-1.89	-5.18/-6.17	-6.45/-5.78	-4.00/-3.82	-5.20/-4.14
Θ(97.5°)	-4.06/-2.93	-2.49/-3.12	-1.41/-3.50	-3.66/-5.32	-6.03/-5.47	-6.81/-8.07	-6.40/-3.88	-4.37/-7.23	-7.61/-6.49	-3.09/-3.63	-6.74/-6.43	-6.84/-5.73	-6.98/-5.17	-5.20/-7.25	-8.84/-6.41	-4.16/-3.54	-4.59/-6.16	-6.06/-5.28	-5.62/-3.39	-2.91/-4.57	-7.87/-7.79	-7.97/-7.74	-5.02/-4.91	-5.42/-4.44
Θ(105°)	-5.14/-4.16	-4.41/-5.64	-6.22/-4.75	-5.85/-8.52	-7.62/-7.14	-9.58/-11.46	-9.69/-6.84	-6.80/-8.94	-10.00/-7.06	-6.20/-6.66	-10.07/-9.75	-8.21/-8.28	-7.94/-9.20	-12.54/-9.71	-7.87/-7.15	-9.94/-12.14	-11.07/-8.93	-9.80/-6.62	-6.39/-7.38	-10.01/-9.42	-10.07/-7.33	-5.97/-6.58	-6.09/-5.96	
Θ(112.5°)	-6.93/-5.42	-5.48/-7.66	-7.65/-6.11	-8.39/-11.48	-8.85/-8.63	-12.24/-14.41	-10.74/-8.19	-8.58/-10.58	-9.44/-7.65	-8.40/-10.08	-11.47/-12.58	-12.39/-10.06	-12.75/-10.48	-8.71/-9.69	-10.57/-9.86	-10.10/-10.05	-12.13/-13.75	-12.30/-10.78	-11.84/-8.37	-7.18/-7.79	-7.91/-9.32	-10.72/-8.02	-7.00/-9.00	-9.07/-8.62
Θ(120°)	-9.34/-6.79	-7.60/-10.66	-10.02/-8.27	-10.51/-12.76	-9.77/-9.36	-11.75/-13.98	-15.42/-14.28	-13.54/-13.68	-13.00/-9.02	-11.17/-14.40	-14.03/-11.99	-11.37/-10.12	-11.30/-10.05	-14.28/-10.79	-10.30/-13.98	-12.75/-11.48	-9.89/-10.51	-11.60/-11.51	-8.67/-8.36	-10.36/-13.23	-14.08/-11.54	-11.22/-12.16	-11.67/-11.71	
Θ(127.5°)	-11.34/-8.67	-9.59/-11.50	-10.90/-10.76	-12.80/-13.25	-11.50/-11.05	-12.87/-12.93	-13.94/-14.16	-15.67/-16.12	-14.12/-12.45	-11.47/-12.59	-11.26/-15.64	-12.95/-13.66	-10.44/-11.47	-12.83/-14.14	-15.93/-12.03	-8.07/-11.48	-14.73/-14.74	-13.83/-14.54	-13.19/-10.99	-9.66/-10.17	-11.30/-12.54	-15.30/-13.20	-13.74/-15.30	-16.29/-14.98
Θ(135°)	-12.25/-9.58	-10.69/-11.62	-10.44/-10.80	-15.33/-14.65	-12.81/-12.03	-12.89/-13.83	-14.12/-15.03	-13.54/-15.82	-15.17/-14.22	-11.97/-12.62	-14.49/-15.20	-13.95/-13.90	-12.44/-11.96	-15.64/-13.85	-16.25/-12.55	-13.50/-15.44	-15.33/-15.81	-14.91/-14.97	-14.54/-15.18	-14.55/-13.00	-14.14/-13.15	-14.19/-10.24	-11.66/-13.56	-15.67/-12.84
Θ(142.5°)	-13.46/-12.40	-13.20/-13.49	-12.01/-12.16	-14.84/-15.84	-13.98/-12.62	-13.60/-15.05	-15.39/-15.17	-14.13/-11.25	-13.00/-15.39	-14.62/-14.48	-15.14/-12.63	-15.03/-13.58	-15.17/-15.10	-15.00/-14.87	-14.87/-15.56	-15.47/-12.75	-12.70/-14.39	-14.41/-13.85	-10.45/-9.66	-13.39/-13.62	-15.44/-14.80	-13.47/-12.35	-14.48/-12.99	
Θ(150°)	-15.54/-15.84	-14.47/-13.90	-13.13/-12.44	-15.12/-13.16	-15.86/-14.77	-13.70/-13.63	-14.95/-15.44	-15.16/-15.44	-17.94/-14.58	-15.37/-15.02	-14.98/-15.39	-15.35/-15.44	-14.47/-14.42	-15.24/-15.50	-15.90/-15.92	-15.62/-15.26	-14.93/-15.34	-15.23/-13.45	-11.50/-11.33	-12.09/-14.34	-15.49/-14.95	-15.32/-16.02	-15.59/-14.39	
Θ(157.5°)	-15.07/-15.97	-14.61/-14.27	-13.30/-13.35	-13.97/-15.30	-15.53/-15.50	-13.97/-14.43	-15.30/-15.59	-15.03/-15.14	-15.27/-15.32	-15.17/-15.06	-14.66/-15.63	-15.59/-14.94	-14.09/-14.01	-14.26/-15.82	-14.95/-14.80	-15.28/-14.98	-13.68/-13.81	-15.11/-15.50	-15.13/-15.15	-14.49/-14.36	-14.74/-15.01	-15.60/-15.03	-15.01/-15.56	-13.18/-13.67
Θ(165°)	-15.71/-13.92	-13.02/-13.28	-14.76/-15.22	-15.01/-15.35	-15.10/-14.89	-14.48/-15.39	-15.35/-14.67	-13.71/-13.74	-14.25/-14.67	-15.37/-15.58	-15.65/-15.13	-15.17/-14.83	-14.75/-14.45	-14.74/-14.90	-15.56/-15.35	-15.52/-15.14	-15.52/-14.78	-13.52/-13.72	-14.98/-14.72	-15.76/-14.94	-15.15/-14.89	-16.05/-14.74	-14.68/-13.75	-12.20/-12.46
Θ(172.5°)	-15.04/-15.04	-15.06/-15.76	-16.01/-15.14	-15.19/-15.23	-15.89/-15.32	-15.68/-15.93	-15.43/-15.76	-15.03/-15.10	-14.72/-15.14	-15.75/-14.78	-15.95/-15.03	-15.69/-15.29	-15.52/-15.29	-15.34/-15.21	-15.03/-15.36	-15.52/-14.95	-15.36/-15.51	-15.08/-15.54	-15.53/-14.82	-15.38/-14.62	-15.29/-15.96	-15.67/-15.29	-15.89/-15.45	-15.53/-15.65
Θ(180°)	-15.73/-16.08	-15.49/-15.06	-14.67/-15.05	-15.55/-15.99	-14.61/-15.57	-15.13/-15.67	-14.96/-16.10	-15.13/-14.92	-14.97/-15.86	-15.07/-15.08	-15.92/-15.77	-16.13/-15.17	-15.23/-14.83	-15.15/-14.86	-15.45/-15.25	-16.16/-15.19	-14.57/-15.89	-15.63/-14.87	-15.51/-15.79	-15.73/-15.60	-15.64/-15.66	-15.68/-15.72	-15.37/-15.32	
Freq(Pol)	5.3GPol	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°)	-11.44/-12.03	-13.00/-12.53	-11.32/-11.27	-11.49/-11.55	-11.89/-11.98	-12.03/-12.33	-12.46/-12.58	-12.80/-12.60	-12.39/-11.60	-11.67/-11.94	-11.86/-11.52	-11.30/-11.41	-10.69/-10.40	-10.27/-10.46	-10.49/-10.27	-10.21/-10.27	-9.89/-10.02	-11.33/-11.04	-11.87/-12.42	-12.66/-13.14	-13.54/-13.25	-12.89/-12.53	-12.18/-11.54	-11.55/-11.01
Θ(7.5°)	-9.44/-7.47	-6.93/-7.53	-9.40/-13.39	-10.33/-10.49	-10.51/-12.49	-11.52/-12.19	-13.19/-15.24	-14.43/-13.77	-12.71/-11.23	-11.09/-11.65	-12.73/-12.83	-12.04/-11.56	-11.21/-10.78	-10.81/-11.39	-12.06/-12.36	-11.98/-11.67	-11.29/-11.37	-11.68/-11.68	-12.10/-12.29	-12.55/-12.64	-12.80/-15.92	-13.23/-13.16	-12.77/-12.14	-11.32/-9.26
Θ(15°)	-8.80/-7.75	-7.01/-7.03	-7.61/-8.17	-8.64/-6.47	-6.64/-6.19	-6.35/-6.17	-6.56/-6.60	-7.07/-7.38	-7.76/-8.19	-8.36/-7.68	-6.91/-6.57	-5.83/-6.73	-6.17/-7.26	-7.19/-7.57	-7.57/-7.32	-7.11/-7.59	-7.44/-7.19	-7.57/-7.56	-7.07/-6.66	-8.88/-9.34				
Θ(22.5°)	-3.93/-3.44	-2.95/-2.59	-2.63/-3.05	-3.39/-3.36	-3.24/-3.21	-3.23/-3.18	-3.40/-4.00	-4.60/-5.26	-6.64/-8.89	-10.67/-9.46	-6.64/-4.53	-3.38/-2.71	-2.26/-2.32	-2.49/-2.88	-3.95/-5.59	-7.04/-8.22	-9.09/-9.57	-9.82/-10.30	-10.00/-9.20	-7.75/-6.24	-5.40/-4.66	-4.10/-4.07	-4.26/-4.60	-4.99/-4.78
Θ(30°)	-1.35/-0.59	0.13/-0.00	1.46/0.85	-0.63/-2.20	-2.72/-2.90	-2.22/-0.04	-2.23/-0.36	-4.60/-5.51	-5.76/-4.99	-3.88/-3.18	-2.34/-0.97	-0.20/-0.36	-0.23/0.16	-0.12/-1.67	-4.16/-6.60	-8.34/-8.01	-6.54/-4.59	-5.14/-5.07	-4.98/-4.19	-2.64/-1.53	-1.21/-1.26	-1.48/-1.76	-2.10/-2.51	-2.88/-2.57
Θ(37.5°)	-1.47/0.16	1.30/2.33	2.90/2.60	1.50/0.12	-0.98/-1.88	-2.14/-1.86	-1.71/-1.45	-0.42/0.44	0.63/0.46	0.52/0.29	-0.10/0.77	2.70/2.09	2.38/-1.79	-0.08/-2.66	-4.99/-5.85	-5.17/-3.24	-1.45/-0.92	-1.27/-1.59	-1.30/-0.25	1.07/2.10	2.33/-1.80	1.09/-20.7	-0.50/-1.30	-1.91/-1.76
Θ(45°)	-1.11/0.63	2.21/2.99	3.37/3.16	2.22/0.70	-0.63/-1.94	-3.08/-2.57	-1.35/-0.36	0.97/2.27	2.98/-1.35	3.14/2.88	2.13/2.16	2.73/2.75	2.71/2.02	0.46/-0.68	-1.52/-2.42	-2.02/-0.11	0.99/0.37	-0.51/-0.66	0.09/-0.21	2.15/2.67	2.82/3.56	2.08/1.64	1.23/0.12	-1.46/-1.97
Θ(52.5°)	-0.05/-1.89	2.68/3.21	3.82/3.68	2.16/-0.19	-0.45/0.21	-0.55/-1.47	-2.09/-2.13	-0.18/-1.77	2.65/2.93	2.89/2.87	2.29/-4.43	0.61/0.73	1.32/0.79	0.71/0.91	0.28/-0.62	-0.95/0.14	0.86/0.27	-0.27/-0.37	-0.07/0.59	1.44/-1.68	1.33/-1.29	1.70/2.08	2.61/-8.3	0.23/-1.23
Θ(60°)	0.83/-1.96	2.62/3.28	3.923/2.20	1.12/-0.35	1.36/2.05	0.66/-0.94	-2.19/-3.41	-0.89/-0.01	0.88/-0.14	-0.80/-0.68	-1.01/-2.07	-3.74/-2.80	-0.82/0.19	1.31/1.53	1.16/0.79	0.28/0.09	0.48/0.02	-0.12/-0.01	0.03/0.66	1.18/0.57	-1.10/-1.42	0.25/-1.42	2.51/2.38	1.20/-0.18
Θ(67.5°)	0.34/-1.58	2.39/3.09	3.03/-1.96	1.01/-0.41	2.16/2.99	1.38/-1.06	-1.01/-0.52	0.89/0.91	-0.19/-1.68	-1.96/-1.11	-1.24/-1.59	-2.79/-0.92	1.04/-1.60	1.97/-1.42	0.88/-1.55	0.78/0.05	0.79/0.41	0.80/-0.07	0.28/0.74	1.24/0.07	-6.34/-3.56	-1.09/0.45	1.94/2.14	



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Appendix I

Θ(75°)	1.75/1.74	1.48/1.00	0.53/1.41	1.34/0.03	-2.04/-2.70	-1.96/-0.21	0.18/-0.08	0.73/1.84	1.72/0.99	-0.55/-3.34	-2.61/-0.44	1.69/0.98	-1.43/-1.88	3.68/2.28	1.06/1.20	2.57/2.88	2.04/1.46	0.87/0.72	0.43/-0.47	-0.55/-1.28	3.03/3.58	2.63/1.85	1.29/0.47	-0.65/-0.30
Θ(82.5°)	0.18/-0.16	-0.11/-0.77	-0.57/0.28	-0.18/-1.93	-3.47/-4.02	-3.65/-2.06	-1.05/-0.84	-0.41/-1.15	0.84/-0.66	-2.10/-5.06	-3.68/-1.09	0.94/-1.47	-2.94/0.69	2.28/-0.06	-1.30/-0.10	1.58/1.91	1.02/0.53	-0.37/-0.68	-0.83/-1.79	-1.44/0.44	2.16/2.72	1.53/0.00	-1.41/-2.13	-2.74/-1.71
Θ(90°)	-2.18/-2.29	-1.94/-3.12	-2.17/-2.01	-3.30/-4.80	-5.40/-5.04	-5.10/-4.46	-3.13/-2.50	-4.18/-6.75	-4.59/-9.21	-1.97/-12.92	-4.18/-6.75	-3.43/-1.53	-7.69/-2.91	-0.11/-2.43	-4.04/-2.22	-1.90/-0.79	-0.07/-0.36	-1.45/-2.00	-3.74/-1.11	-0.36/-1.43	-3.56/-4.19	-5.38/-4.03		
Θ(97.5°)	-5.73/-5.32	-4.86/-5.58	-4.09/-4.36	-5.94/-7.60	-7.44/-6.51	-7.69/-8.82	-6.12/-5.18	-6.27/-4.28	-3.53/-7.38	-7.47/-9.88	-8.75/-6.85	-4.89/-5.09	-7.29/-4.92	-2.67/-5.12	-7.56/-5.49	-3.60/-1.99	-2.37/-2.26	-3.62/-4.42	-3.88/-7.51	-8.89/-3.61	-1.92/-1.59	-3.09/-4.13	-5.40/-5.32	-6.87/-6.83
Θ(105°)	-8.13/-7.76	-8.12/-9.24	-6.38/-5.94	-6.73/-8.94	-10.96/-9.70	-10.29/-12.41	-10.01/-8.08	-7.89/-7.44	-6.48/-9.37	-9.73/-9.95	-11.57/-8.63	-7.31/-5.25	-13.79/-8.50	-4.11/-5.57	-9.91/-8.16	-6.85/-4.78	-6.46/-6.17	-7.50/-8.55	-6.82/-11.29	-13.54/-7.67	-5.79/-5.21	-6.43/-7.60	-7.75/-7.48	-8.42/-9.31
Θ(112.5°)	-9.67/-10.19	-11.87/-11.78	-9.35/-8.04	-8.19/-10.27	-12.20/-11.87	-12.31/-14.70	-13.60/-12.29	-10.40/-10.19	-9.45/-9.21	-11.97/-12.92	-14.36/-9.96	-9.00/-9.52	-12.09/-8.19	-6.44/-7.82	-10.56/-8.96	-7.43/-7.21	-9.43/-9.78	-10.79/-11.21	-9.65/-12.15	-12.88/-9.74	-7.21/-6.61	-6.02/-7.85	-8.81/-9.55	-11.04/-10.16
Θ(120°)	-10.26/-12.18	-16.04/-15.40	-13.63/-10.96	-9.74/-11.07	-12.61/-14.04	-14.02/-15.27	-15.46/-14.48	-11.70/-13.91	-13.89/-11.44	-13.33/-14.66	-15.39/-14.68	-10.70/-12.31	-14.85/-11.78	-7.94/-9.89	-12.24/-9.89	-7.10/-6.37	-8.03/-10.57	-12.28/-11.23	-10.69/-14.77	-14.38/-10.46	-8.49/-7.02	-6.78/-7.68	-8.91/-10.27	-10.60/-10.56
Θ(127.5°)	-10.50/-11.43	-12.65/-14.55	-14.50/-15.57	-11.50/-10.92	-13.16/-15.14	-14.69/-14.77	-15.35/-15.35	-13.17/-15.12	-15.19/-13.79	-15.06/-15.06	-14.86/-14.92	-10.99/-12.82	-15.10/-9.83	-9.88/-14.33	-15.77/-12.38	-9.66/-10.17	-9.54/-12.90	-15.16/-12.09	-13.78/-14.73	-11.03/-10.62	-8.73/-10.09	-11.17/-10.65	-12.41/-11.69	-10.53/-10.16
Θ(135°)	-11.49/-10.86	-12.63/-15.61	-15.69/-15.51	-14.17/-14.91	-15.49/-13.84	-13.72/-14.87	-15.26/-13.29	-16.11/-14.65	-15.48/-14.76	-14.36/-15.38	-15.83/-11.85	-13.39/-16.02	-13.89/-10.99	-10.83/-14.64	-14.76/-15.37	-14.43/-14.07	-14.44/-15.27	-13.57/-13.32	-15.59/-15.00	-14.05/-15.15	-13.64/-11.51	-13.47/-12.55	-12.26/-12.64	-11.88/-11.06
Θ(142.5°)	-12.17/-13.71	-13.95/-13.95	-13.98/-15.15	-15.54/-16.07	-13.97/-11.85	-11.99/-14.15	-15.87/-15.10	-13.71/-12.79	-10.88/-15.23	-15.35/-14.76	-14.61/-12.92	-15.70/-15.67	-14.82/-14.66	-15.19/-15.43	-14.76/-13.94	-11.85/-10.61	-11.53/-13.04	-12.19/-13.22	-14.69/-14.33	-13.77/-13.70	-13.42/-12.49	-13.33/-14.03	-14.05/-13.60	-13.13/-11.48
Θ(150°)	-11.72/-14.87	-14.62/-15.03	-15.23/-15.16	-14.64/-15.33	-16.04/-15.86	-15.94/-15.63	-15.56/-15.70	-15.32/-16.04	-15.44/-15.83	-14.11/-15.83	-12.93/-11.51	-10.47/-15.26	-15.27/-13.67	-15.57/-15.02	-14.88/-15.26	-13.48/-14.38	-15.54/-16.13	-13.98/-14.00	-15.90/-15.17	-15.13/-15.36	-14.67/-15.12	-15.39/-14.80	-14.55/-15.38	-16.13/-13.57
Θ(157.5°)	-14.58/-14.27	-14.39/-13.73	-14.58/-15.90	-15.80/-14.81	-15.25/-15.44	-15.34/-15.35	-15.33/-15.46	-15.50/-15.30	-16.26/-14.60	-15.26/-15.67	-15.08/-14.84	-15.45/-15.81	-14.27/-15.99	-15.15/-14.96	-14.99/-15.75	-15.28/-14.67	-13.30/-14.22	-15.76/-15.43	-15.50/-15.18	-14.67/-15.85	-15.53/-15.57	-13.27/-12.49	-13.86/-15.33	
Θ(165°)	-14.88/-14.67	-15.95/-15.86	-14.82/-15.24	-15.37/-14.76	-15.45/-15.20	-15.19/-15.35	-15.49/-15.39	-15.32/-15.16	-16.00/-15.33	-15.69/-15.38	-14.67/-14.66	-15.09/-13.89	-14.67/-15.58	-15.15/-15.92	-15.49/-15.52	-15.66/-15.53	-15.19/-15.45	-15.32/-15.34	-15.37/-15.30	-14.64/-14.18	-13.99/-15.10	-16.00/-15.89	-15.11/-14.99	-15.66/-15.63
Θ(172.5°)	-14.78/-14.90	-16.37/-15.43	-15.51/-15.83	-14.92/-15.17	-15.67/-15.43	-14.75/-15.00	-15.60/-15.36	-15.67/-15.91	-15.09/-15.99	-14.82/-14.75	-14.51/-15.25	-15.62/-14.45	-14.17/-13.63	-14.00/-14.72	-15.34/-15.51	-15.62/-15.27	-15.48/-16.15	-15.58/-15.48	-15.50/-14.23	-15.03/-14.78	-15.98/-14.59	-15.78/-15.43	-14.93/-15.49	-15.58/-14.84
Θ(180°)	-14.34/-13.83	-14.65/-15.61	-14.77/-15.38	-16.05/-14.63	-14.54/-13.28	-13.14/-12.42	-13.51/-14.48	-15.17/-16.01	-14.99/-15.33	-15.31/-14.67	-14.85/-14.71	-14.49/-13.99	-15.60/-15.53	-15.19/-15.39	-15.59/-15.93	-15.55/-15.57	-14.59/-14.60	-15.14/-15.11	-15.41/-15.49	-15.56/-15.65	-15.11/-14.98	-15.10/-15.28	-15.33/-15.12	-15.40/-16.14
Freq(Hz)	5.3GPol.	TotalAnt.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)Φ(7.5°)	Φ(15°)Φ(22.5°)	Φ(30°)Φ(37.5°)	Φ(45°)Φ(52.5°)	Φ(60°)Φ(67.5°)	Φ(75°)Φ(82.5°)	Φ(90°)Φ(97.5°)	Φ(105°)Φ(112.5°)	Φ(120°)Φ(127.5°)	Φ(135°)Φ(142.5°)	Φ(150°)Φ(157.5°)	Φ(165°)Φ(172.5°)	Φ(180°)Φ(187.5°)	Φ(195°)Φ(202.5°)	Φ(210°)Φ(217.5°)	Φ(225°)Φ(232.5°)	Φ(240°)Φ(247.5°)	Φ(255°)Φ(262.5°)	Φ(270°)Φ(277.5°)	Φ(285°)Φ(292.5°)	Φ(300°)Φ(307.5°)	Φ(315°)Φ(322.5°)	Φ(330°)Φ(337.5°)	Φ(345°)Φ(352.5°)
Θ(0°)	-11.67/-12.42	-12.97/-13.24	-13.37/-12.52	-12.52/-12.51	-11.73/-11.48	-11.47/-11.83	-12.49/-12.83	-12.77/-13.06	-12.68/-12.82	-13.01/-12.63	-12.90/-13.37	-12.65/-11.94	-11.92/-11.64	-11.92/-11.66	-11.92/-11.66	-11.92/-11.66	-12.17/-12.40	-12.69/-11.85	-11.87/-12.23	-11.87/-12.23	-11.87/-12.23	-12.41/-12.48	-12.41/-12.48	-11.88/-11.84
Θ(7.5°)	-6.53/-6.68	-6.90/-7.13	-7.12/-7.39	-7.63/-7.94	-8.31/-8.72	-8.97/-9.52	-9.92/-10.36	-10.19/-10.59	-10.93/-10.80	-10.81/-11.22	-11.18/-11.50	-11.31/-10.48	-11.01/-11.12	-10.69/-10.26	-10.30/-10.68	-11.37/-12.15	-13.61/-14.58	-15.18/-16.04	-13.75/-12.08	-11.01/-9.55	-8.96/-8.57	-8.06/-7.69	-7.24/-6.83	-6.50/-6.89
Θ(15°)	-2.59/-2.22	-2.24/-2.53	-3.07/-0.41	-4.99/-3.62	-7.35/-8.21	-8.84/-9.26	-9.81/-8.58	-8.03/-7.90	-7.83/-7.74	-7.16/-6.80	-6.56/-6.41	-6.27/-6.21	-5.83/-5.32	-4.97/-5.12	-5.68/-6.73	-8.16/-9.92	-11.54/-12.11	-11.90/-11.70	-10.99/-9.34	-7.72/-6.61	-5.99/-5.51	-5.16/-4.74	-4.13/-3.09	-2.94/-1.96
Θ(22.5°)	-1.32/-0.79	-0.91/-0.10	-1.83/-2.86	-3.80/-4.66	-4.87/-5.12	-5.17/-4.39	-3.34/-2.63	-2.47/-2.95	-3.82/-4.78	-5.80/-5.62	-4.56/-5.05	-4.06/-4.06	-2.85/-2.83	-3.69/-4.88	-9.11/-11.77	-12.90/-12.16	-9.33/-9.73	-4.47/-4.71	-5.55/-5.61	-5.89/-5.74	-4.78/-3.40	-2.36/-1.47		
Θ(30°)	-2.09/-1.59	-1.11/-1.08	-1.29/-1.75	-2.43/-2.99	-3.58/-4.14	-4.00/-2.20	-0.37/0.78	1.18/0.84	0.21/-0.66	-1.72/-2.46	-2.44/-2.81	-3.62/-3.47	-2.15/-1.27	-1.58/-2.92	-4.29/-5.85	-7.35/-7.70	-5.87/-4.10	-3.23/-3.16	-3.40/-3.44	-3.05/-2.39	-2.23/-2.60	-3.18/-3.59	-3.53/-2.72	-2.21/-2.08
Θ(37.5°)	-2.74/-2.42	-0.85/-1.13	-0.35/-0.04	-0.73/-1.71	-2.77/-3.03	-1.80/-0.04	1.09/1.36	1.08/0.61	0.28/0.21	0.29/0.47	0.60/0.09	-1.36/-2.22	-1.08/-0.82	-1.37/-1.99	-2.42/-2.58	-2.07/-0.88	0.48/-1.51	1.88/-1.40	0.44/-0.41	-0.64/-0.33	-0.08/-0.02	-0.18/-0.78	-1.32/-1.44	-1.70/-2.28
Θ(45°)	-1.35/-1.02	-0.91/-0.10	1.04/-1.40	0.59/-0.36	-1.08/-0.72	1.03/2.58	3.27/3.08	2.66/2.20	1.53/0.99	0.62/0.32	0.26/0.22	-0.55/-1.28	-1.86/-0.88	0.65/0.73	0.22/0.24	0.90/-1.60	2.20/2.84	3.04/2.51	1.03/-0.70	0.31/0.36	0.54/0.92	1.45/-1.75	1.68/0.98	-0.20/-1.45
Θ(52.5°)	0.31/-0.10	1.17/-1.32	1.69/-1.49	0.68/-1.06	-0.60/-0.70	0.44/-1.20	2.57/-0.24	0.83/-0.34	-0.70/-0.90	-0.99/-1.01	-1.37/-1.72	0.61/-1.91	2.18/-1.85	1.91/-2.02	2.13/-2.15	1.99/-2.34	2.66/-2.14	1.03/-0.16	-0.96/-0.88	-0.22/0.73	1.84/-2.99	3.71/-3.00	1.08/-0.37	
Θ(60°)	1.03/-1.63	1.81/-1.66	1.25/-1.42	1.81/-1.58	0.05/-1.44	-1.39/-1.11	-1.06/-0.63	-0.18/-0.90	-2.43/-0.40	-4.53/-3.97	-1.53/0.17	0.43/-0.67	0.13/-2.52	3.59/-2.79	2.08/-2.53	2.93/-2.52	1.66/-1.67	2.15/-1.94	0.82/-0.91	-1.86/-1.20	0.10/-1.25	1.81/-2.82	3.90/-5.55	1.79/-2.52
Θ(67.5°)	1.05/-1.58	1.52/0.94	-0.00/-1.16	2.31/-2.00	0.25/-1.17	-0.95/0.17	-0.02/-0.52	-0.82/-0.99	-1.95/-2.97	-4.68/-3.43	0.16/-2.54	2.36/-0.87	1.15/-2.91	3.23/-1.94	2.05/-2.66	3.16/-2.65	1.32/-1.22	2.00/-2.12	1.02/-1.56	-2.92/-1.79	0.40/-1.96	1.94/-2.25	3.31/-1.38	1.61/-0.32
Θ(75°)	0.12/-0.52	0.47/-0.58	-1.56/0.26	1.42/-1.11	-0.66/-2.09	-1.35/0.83	1.20/0.21	-0.10/-2.00	-0.45/-1.52	-3.40/-4.18	-0.43/-2.35	0.35/0.25	-1.46/-1.90	2.97/-1.05	-0.29/-1.29	2.81/-2.59	1.36/-1.11	1.77/-1.92	0.73/-2.42	-4.02/-2.46	0.29/-2.24	1.99/-1.44	1.89/-1.94	0.60/-0.97
Θ(82.5°)	-1.52/-0.92	-0.99/-2.31	-2.79/-1.29	-0.39/-0.96	-2.75/-4.43	-3.10/-0.52	0.36/-0.50	-1.33/-0.47	-1.38/-2.49	-3.96/-4.60	-0.55/-1.58	1.78/-2.08	-1.63/-0.12	0.32/-1.95	-2.25/-0.09	1.48/-1.29	0.23/0.23	1.07/-1.09	-0.35/-0.49	-5.61/-3.43	-0.21/-1.75	1.36/-1.08	-0.02/-0.02	-1.27/-2.77
Θ(90°)	-4.24/-3.02	-3.16/-4.87	-4.80/-3.33	-2.40/-2.99	-4.50/-6.61	-5.47/-2.89	-1.73/-2.32	-3.62/-3.03	-2.84/-4.28	-5.16/-7.69	-3.63/-0.64	0.06/-1.67	-7.37/-2.93	-0.79/-3.38	-5.39/-2.65	-0.56/-0.09	-1.13/-0.99	-0.39/-0.50	-1.54/-6.38	-8.43/-5.24	-1.81/-0.32	-0.50/-1.28	-2.32/-2.37	-3.47/-5.19
Θ(97.5°)	-6.49/-5.39	-6.31/-7.21	-5.91/-4.72	-4.64/-5.87	-7.48/-9.68	-6.83/-7.63	-4.63/-4.99	-7.03/-5.89	-5.27/-7.81	-6.43/-9.34	-5.43/-3.05	-3.20/-5.12	-7.05/-5.09	-3.83/-6.10	-7.72/-5.36	-3.86/-3.44	-4.24/-3.81	-2.92/-4.32	-3.71/-4.99	-3.80/-2.13	-3.53/-4.87	-5.70/-4.99	-6.01/-6.30	
Θ(105°)	-9.87/-8.37	-8.64/-8.73	-7.97/-7.32	-7.07/-9.60	-11.45/-11.90	-11.11/-11.90	-7.63/-7.34	-8.34/-7.92	-7.95/-11.36	-9.72/-10.01	-8.56/-5.38	-5.85/-6.15	-11.90/-9.25	-5.51/-7.23	-8.90/-8.61	-7.80/-8.63	-8.77/-8.09	-8.10/-8.53	-8.21/-13.45	-15.35/-12.41	-8.21/-5.55	-6.63/-7.34	-7.01/-6.10	-7.44/-10.11
Θ(112.5°)	-13.89/-11.74	-11.70/-10.67	-9.65/-9.79	-9.69/-11.66	-13.90/-12.66	-11.50/-11.75	-11.13/-9.94	-9.97/-10.56	-11.76/-12.56	-11.96/-10.79	-10.84/-8.38	-9.12/-9.03	-12.25/-9.67	-7.73/-9.82	-11.85/-9.85	-9.77/-9.56	-10.99/-11.53	-11.10/-10.26	-9.15/-11.48	-14.94/-14.15	-10.87/-8.57	-7.23/-7.77	-7.58/-6.96	-8.68/-11.69
Θ(120°)	-13.42/-12.31	-12.22/-13.45	-12.95/-12.19	-10.37/-11.59	-15.02/-15.44	-13.79/-13.74	-14.45/-13.43	-13.59/-15.67	-13.10/-11.20	-13.52/-13.58	-15.58/-13.18	-9.15/-11.40	-14.95/-11.64	-12.84/-7.57										

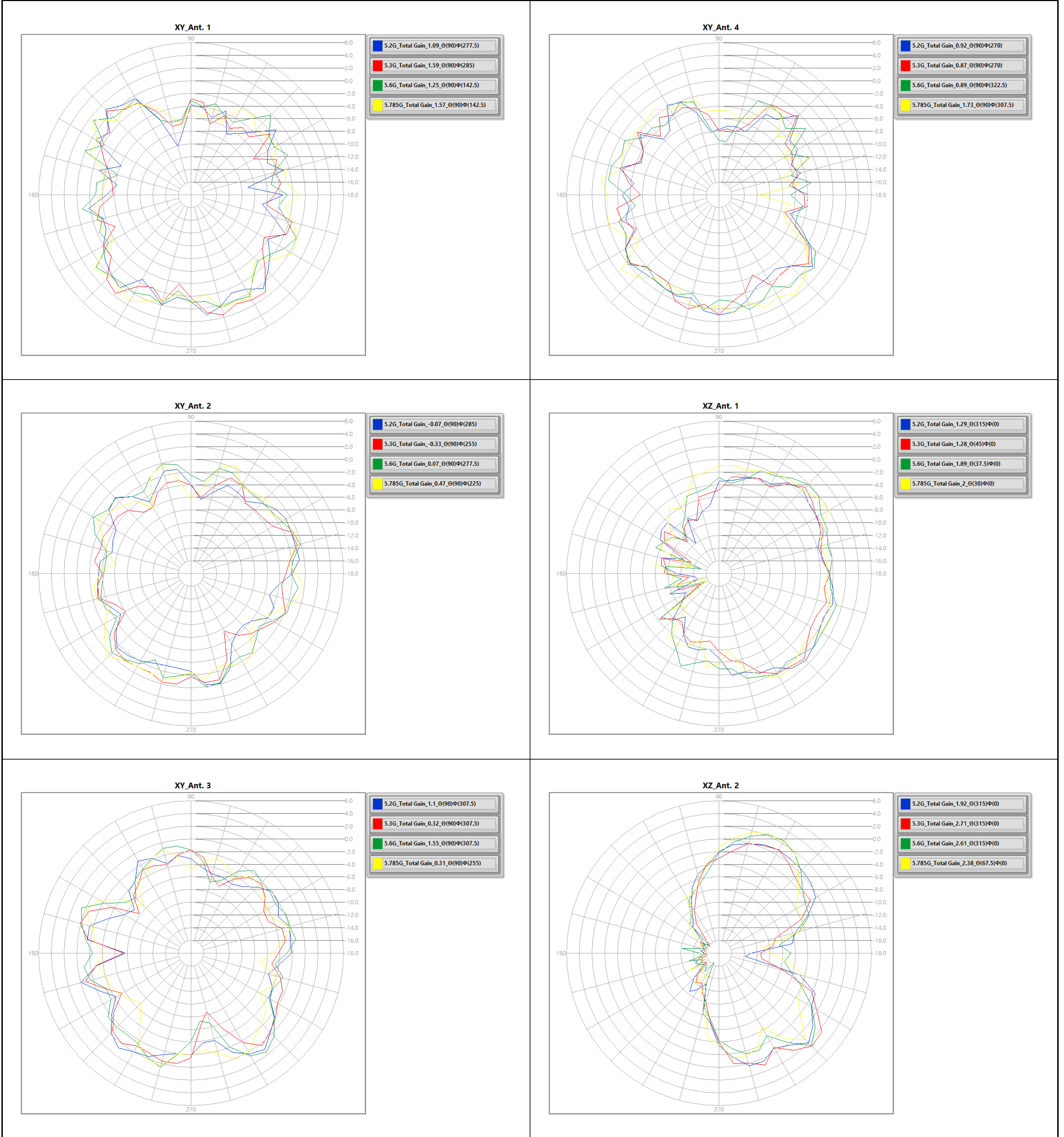


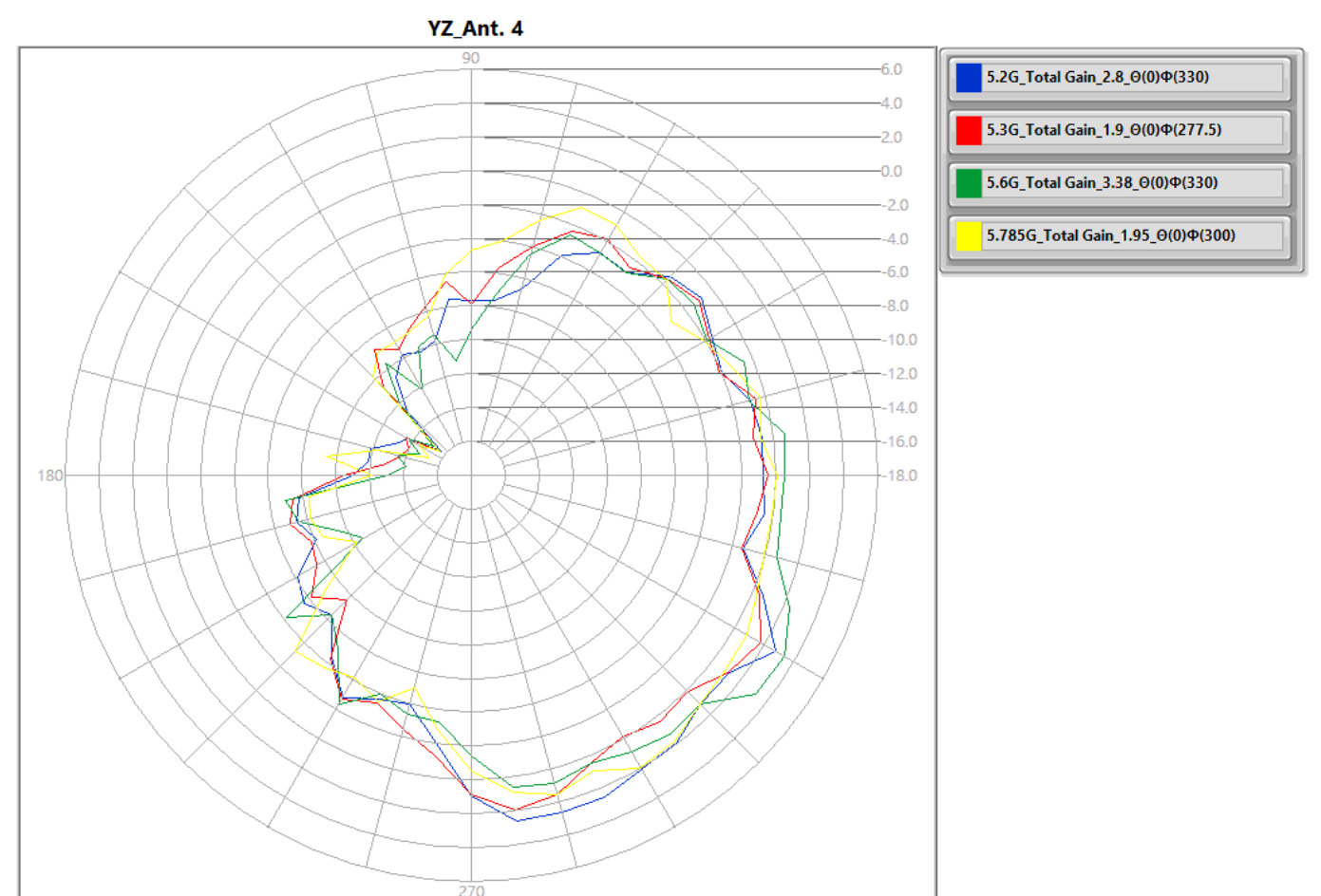
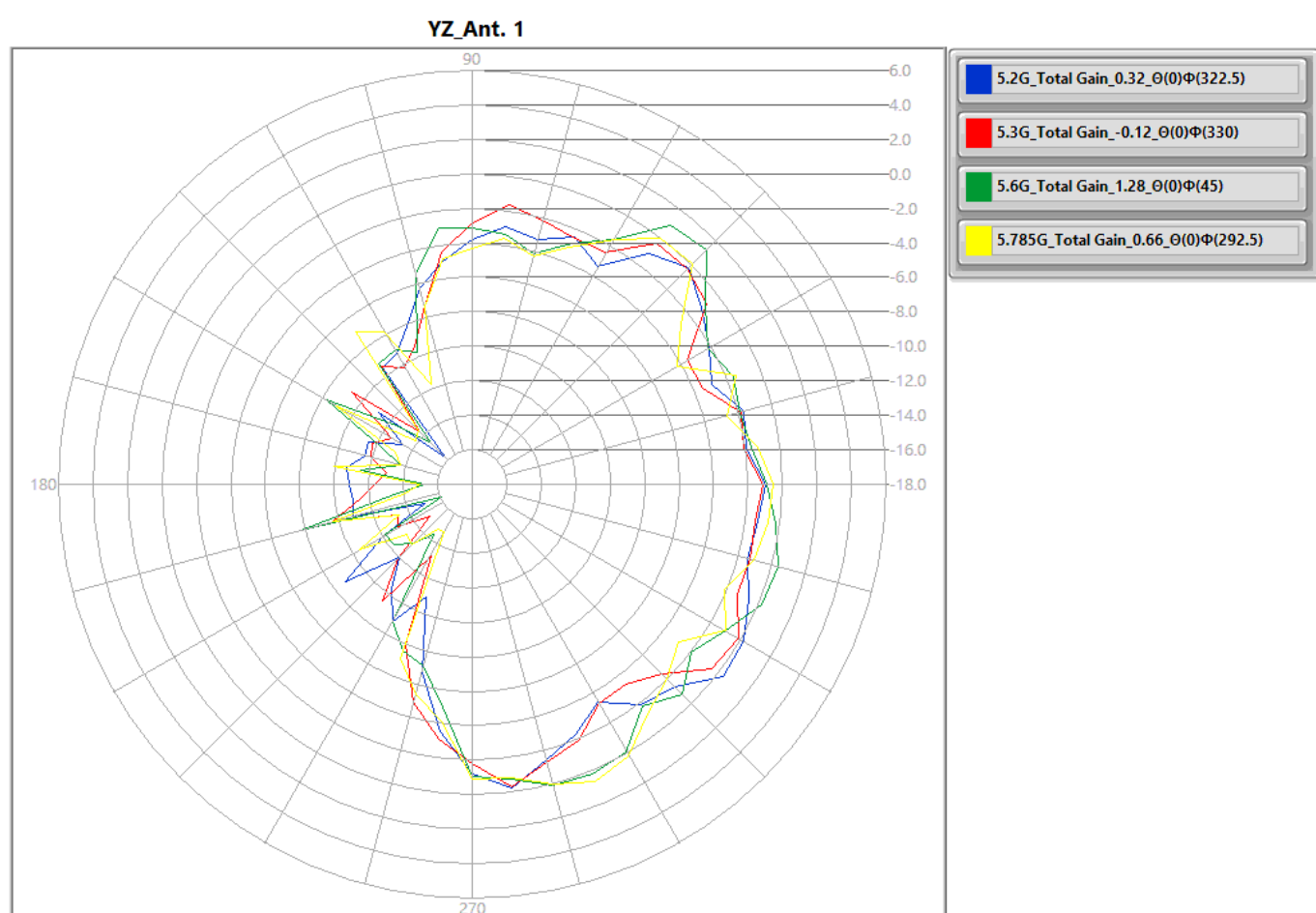
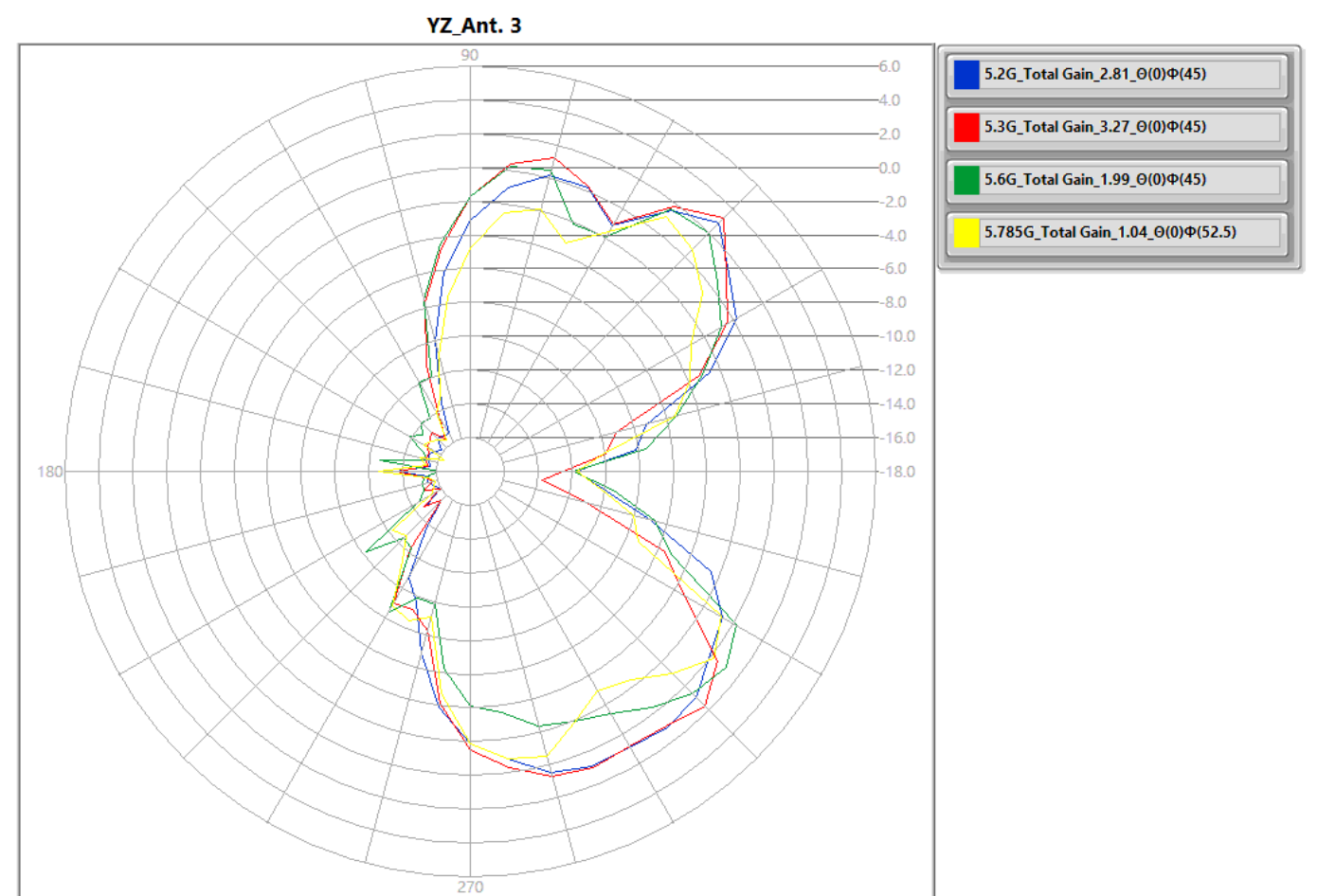
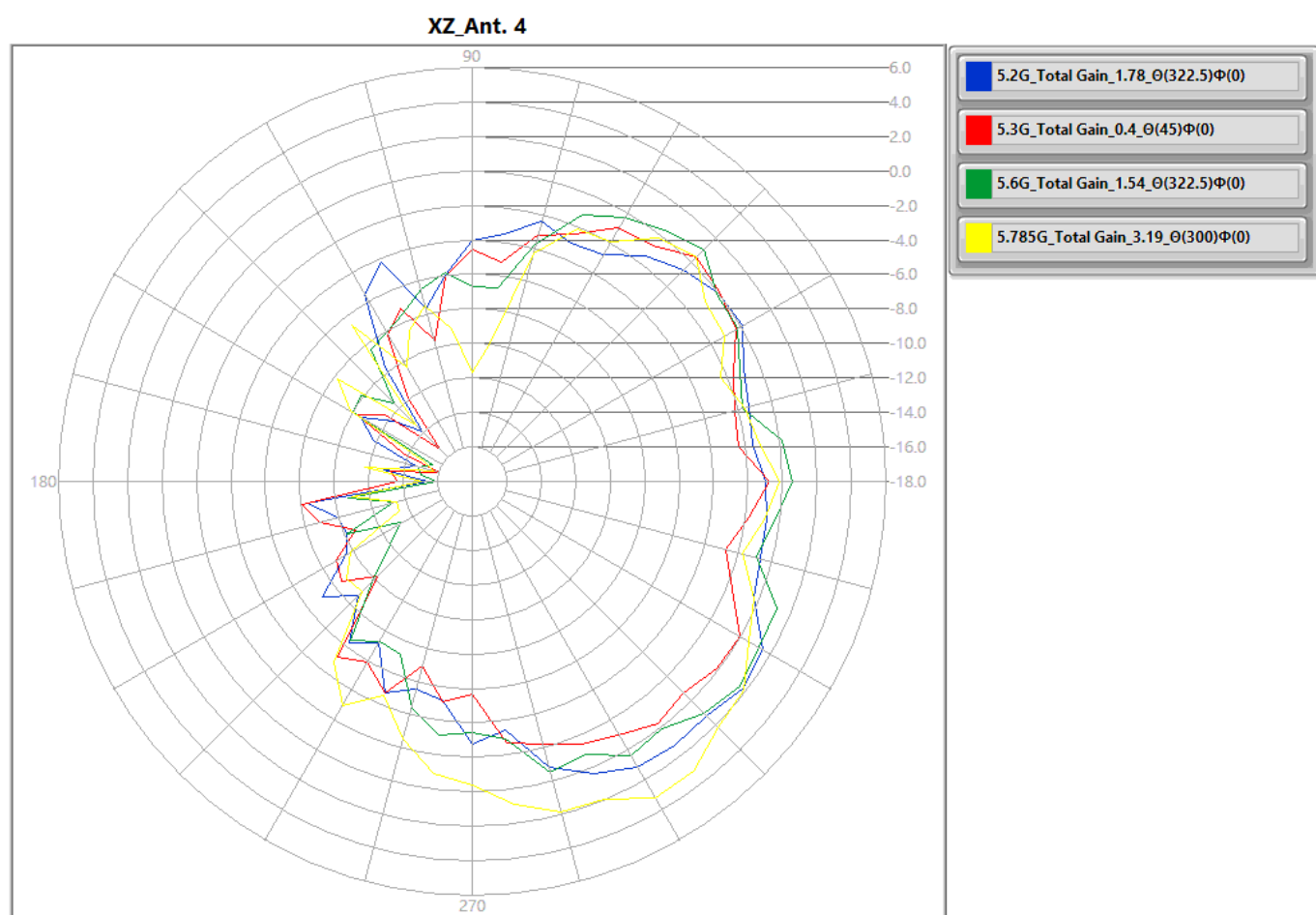
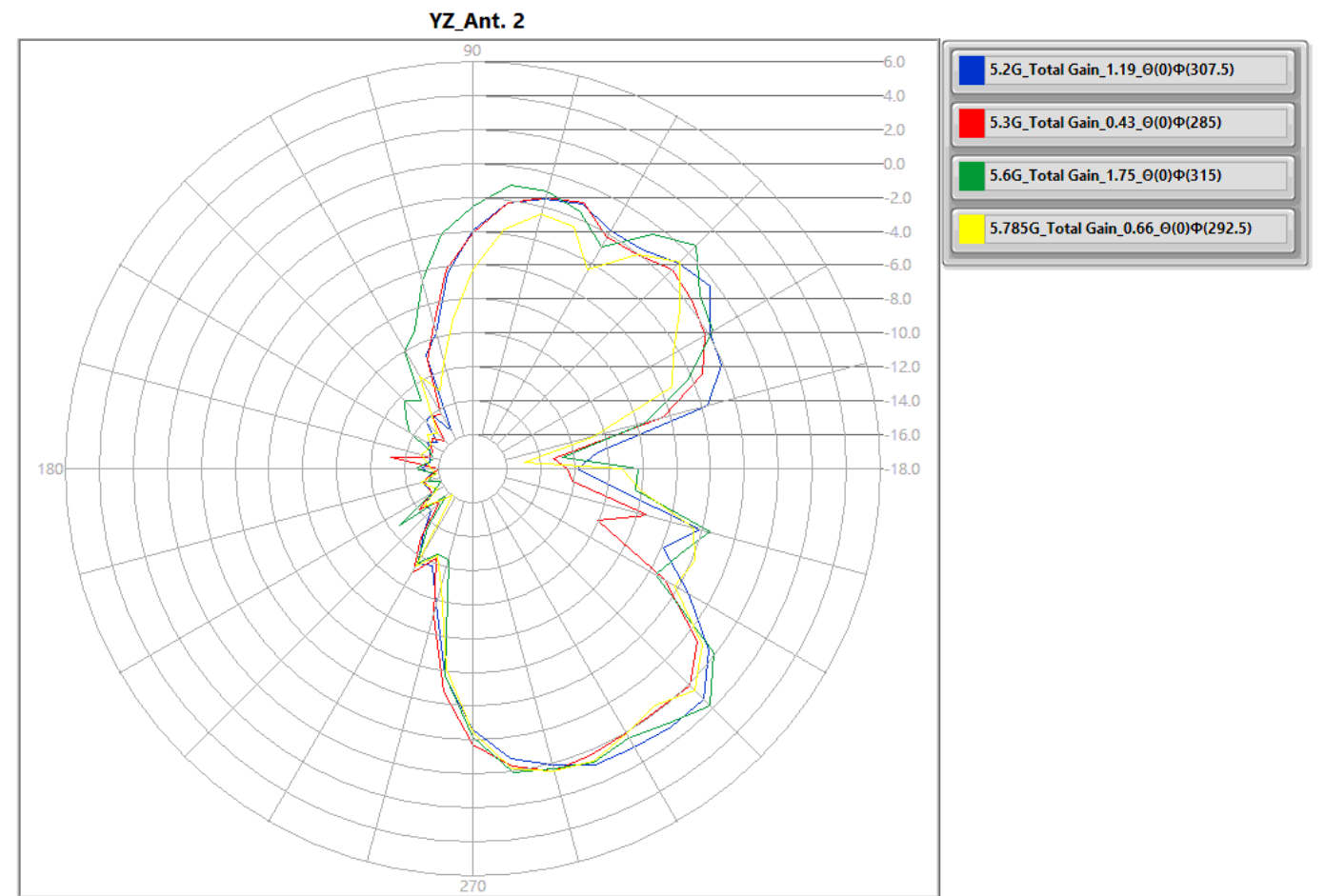
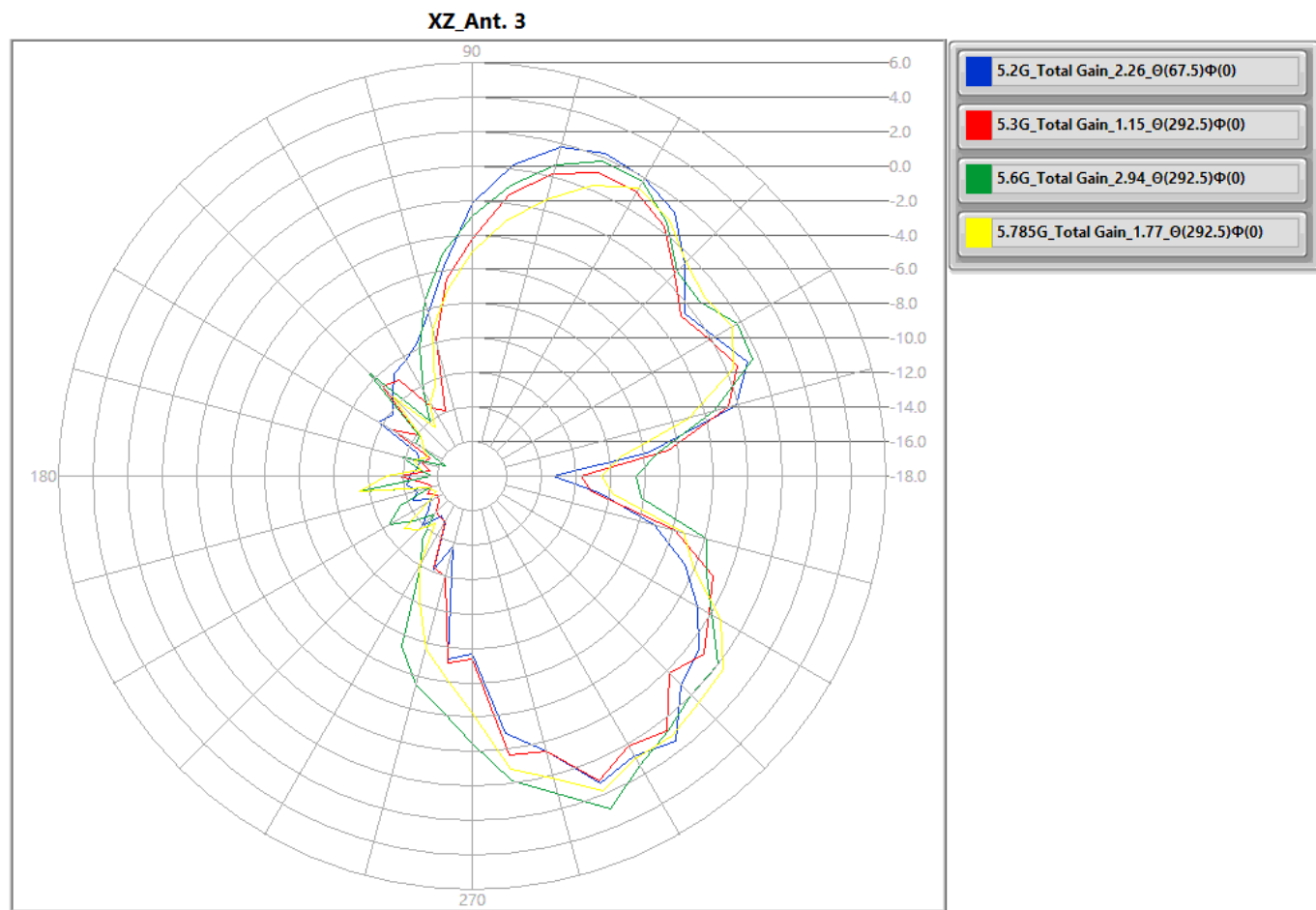
Antenna Pattern_Radio 3_5GHz UNII 1~3

Appendix I

Θ(120°)	-5.51/-8.23	-15.63/-14.39	-10.43/-7.63	-7.89/-9.58	-12.65/-15.65	-13.50/-10.86	-9.77/-10.00	-6.69/-7.97	-8.72/-10.06	-6.62/-7.53	-7.10/-6.75	-7.95/-6.20	-7.17/-8.59	-7.29/-7.03	-5.72/-3.65	-3.34/-4.22	-4.12/-6.41	-4.26/-5.19	-2.78/-4.64	-5.50/-11.51	-14.39/-9.20	-8.54/-10.06	-6.62/-7.44	-10.53/-11.01
Θ(127.5°)	-9.67/-10.47	-14.88/-14.75	-13.78/-9.86	-7.59/-9.90	-12.74/-13.45	-11.16/-13.77	-10.68/-10.43	-7.88/-9.90	-9.25/-10.08	-9.73/-8.50	-7.52/-9.80	-8.36/-5.45	-6.24/-9.40	-6.12/-7.58	-9.19/-4.98	-1.69/-6.46	-4.92/-9.11	-7.50/-5.31	-4.40/-6.90	-8.09/-13.18	-13.61/-10.95	-10.07/-10.71	-10.46/-11.22	-10.62/-13.65
Θ(135°)	-13.92/-10.29	-13.17/-12.57	-13.26/-14.90	-15.88/-14.05	-14.39/-14.58	-12.65/-11.23	-12.59/-11.46	-10.51/-12.38	-13.37/-13.74	-10.81/-9.21	-8.13/-6.08	-7.36/-9.54	-8.62/-8.27	-8.45/-9.14	-6.30/-2.96	-2.83/-6.05	-9.83/-8.26	-6.18/-4.93	-6.34/-8.55	-8.67/-15.58	-10.27/-7.24	-7.72/-10.60	-10.80/-11.13	-10.15/-14.08
Θ(142.5°)	-12.25/-8.61	-11.32/-15.16	-13.34/-10.22	-8.29/-8.05	-11.23/-15.45	-15.55/-14.97	-15.73/-15.65	-15.24/-13.58	-10.95/-9.38	-10.77/-13.20	-9.04/-6.88	-9.67/-7.98	-7.02/-6.53	-7.35/-7.49	-5.82/-3.77	-4.01/-7.75	-10.42/-10.22	-8.70/-5.85	-5.55/-5.40	-7.60/-14.85	-14.91/-10.50	-7.62/-6.45	-9.21/-14.29	-12.17/-11.96
Θ(150°)	-10.54/-14.03	-13.57/-12.70	-14.80/-14.97	-15.29/-14.55	-13.20/-14.07	-15.02/-12.84	-13.74/-15.70	-14.63/-12.68	-12.31/-11.83	-11.69/-11.63	-12.93/-12.38	-11.53/-9.33	-9.62/-9.87	-11.99/-13.18	-9.86/-8.67	-9.60/-10.78	-10.26/-11.10	-9.53/-7.45	-6.12/-6.61	-9.52/-11.57	-11.95/-12.86	-11.79/-8.48	-9.62/-12.83	-11.76/-8.57
Θ(157.5°)	-11.82/-15.61	-14.73/-13.55	-11.96/-10.96	-11.41/-12.92	-15.00/-14.52	-15.78/-14.72	-13.13/-13.69	-13.93/-12.83	-12.23/-12.32	-12.14/-11.14	-11.65/-11.86	-10.68/-9.58	-10.14/-10.36	-11.13/-12.32	-11.44/-9.68	-9.75/-9.93	-10.08/-8.10	-6.77/-6.86	-8.13/-9.37	-9.02/-10.31	-9.83/-8.46	-8.84/-11.64	-12.64/-11.85	
Θ(165°)	-14.60/-14.25	-13.95/-14.95	-15.29/-15.83	-15.38/-14.43	-13.14/-11.67	-11.51/-12.75	-11.83/-10.35	-8.58/-7.41	-7.82/-9.71	-12.23/-12.55	-11.25/-10.06	-9.86/-10.11	-9.91/-9.90	-9.65/-9.38	-8.21/-7.61	-8.50/-9.42	-9.53/-10.42	-10.17/-8.58	-7.31/-7.10	-7.86/-8.88	-11.32/-13.32	-14.14/-13.14	-12.59/-13.65	-13.67/-11.52
Θ(172.5°)	-12.85/-13.03	-13.55/-14.66	-15.94/-15.49	-13.49/-11.16	-11.27/-12.02	-13.42/-13.01	-11.88/-10.49	-10.45/-10.64	-10.33/-10.78	-10.51/-9.39	-8.66/-7.64	-7.11/-7.62	-8.35/-8.27	-9.03/-8.62	-8.57/-9.52	-9.29/-8.20	-7.30/-6.25	-5.38/-6.13	-7.75/-10.51	-13.06/-14.19	-13.61/-11.49	-10.68/-9.96	-9.49/-10.02	-10.08/-9.54
Θ(180°)	-15.41/-13.61	-12.74/-11.30	-10.74/-9.25	-8.87/-9.34	-9.97/-10.87	-12.00/-11.45	-11.00/-10.25	-10.92/-11.69	-11.49/-11.45	-11.94/-11.46	-10.94/-9.66	-6.30/-8.93	-8.28/-7.89	-8.02/-8.70	-8.88/-8.45	-8.28/-8.79	-9.13/-9.78	-10.98/-12.91	-14.62/-14.31	-12.93/-11.93	-11.19/-11.47	-12.63/-12.46	-13.56/-14.68	-13.14/-11.96
Freq(Hz)	5.3GPdL	TotalAnt.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	-0.76/-0.84	-1.09/-1.49	-1.43/-1.20	-1.55/-1.39	-1.13/-0.87	-0.73/-0.58	-0.48/-0.46	-0.53/-0.50	-0.51/-0.60	-0.82/-1.12	-1.52/-1.92	-2.24/-2.39	-2.51/-2.48	-2.29/-2.47	-2.70/-3.02	-2.92/-2.03	-1.72/-1.84	-1.48/-1.36	-1.44/-1.17	-0.91/-1.19	-1.40/-1.21	-0.98/-0.66	-1.01/-1.72	-1.75/-1.24
Θ(7.5°)	-2.42/-2.42	-2.47/-2.87	-3.08/-2.63	-2.59/-2.49	-2.38/-2.24	-2.09/-1.63	-1.18/-0.75	-0.51/-0.33	-0.02/-0.14	-0.26/-0.29	-0.38/-0.88	-1.17/-1.30	-1.83/-1.32	-0.97/-1.34	-1.77/-1.50	-1.55/-1.55	-0.94/-0.69	-0.81/-0.98	-0.96/-0.66	-0.47/-0.82	-1.13/-1.08	-1.24/-1.51	-1.79/-1.88	-2.19/-2.26
Θ(15°)	-2.23/-2.68	-3.07/-3.38	-3.17/-3.30	-3.34/-3.21	-2.77/-2.39	-1.84/-1.31	-0.63/-0.12	0.03/0.17	0.40/0.33	0.19/0.24	-0.07/-0.51	-1.07/-1.92	-2.80/-2.86	-2.62/-2.44	-2.38/-2.47	-2.49/-2.36	-2.05/-1.54	-1.28/-1.33	-1.43/-1.15	-0.94/-1.11	-1.32/-1.36	-1.53/-1.71	-1.99/-2.00	-1.76/-2.58
Θ(22.5°)	-1.62/-1.33	-0.88/-0.70	-0.78/-1.37	-2.12/-2.65	-2.85/-3.25	-3.09/-2.81	-2.13/-1.80	-0.31/0.80	1.10/1.11	0.87/0.36	-0.19/-0.64	-1.51/-2.10	-1.68/-1.29	-0.76/-0.16	-0.36/-0.88	-1.18/-1.32	-1.20/-0.58	-0.04/0.24	0.38/0.35	0.31/-0.36	-0.92/-0.76	-0.62/-0.73	-0.62/-0.73	-0.59/-0.57
Θ(30°)	-0.32/-0.03	-0.31/-0.95	-1.27/-1.04	-1.38/-2.92	-4.30/-4.98	-3.81/-2.34	-1.80/-1.66	-0.80/0.47	0.87/0.96	0.56/-0.68	-1.72/-1.52	-0.93/-0.56	-0.05/-0.14	-0.01/0.25	0.72/1.14	0.96/0.72	0.43/0.20	0.42/1.04	1.70/2.08	2.05/1.56	1.30/1.32	0.66/0.12	0.34/0.10	-0.66/-0.43
Θ(37.5°)	0.06/-0.26	-1.06/-0.98	-1.16/-1.87	-2.32/-2.53	-2.60/-2.80	-2.80/-1.80	-1.09/-1.14	-0.07/-1.29	1.20/0.79	-0.13/-0.28	-0.62/-1.33	-0.50/-0.13	-0.12/0.01	0.82/1.20	1.77/0.74	1.77/0.74	0.05/-0.11	0.06/0.43	1.14/1.55	1.59/1.22	1.85/2.97	2.50/1.51	0.93/-0.46	-1.16/-0.07
Θ(45°)	0.40/-0.32	-0.54/-0.23	-0.08/-1.23	-1.78/-1.27	-1.39/-2.51	-2.83/-1.92	-1.65/-1.43	-0.66/-1.02	1.54/1.01	0.18/-0.96	-1.15/-0.80	-0.65/-0.15	-0.70/-0.90	-0.88/-0.61	-0.41/0.33	1.29/0.55	-0.36/-0.81	-0.70/-0.08	0.11/0.31	1.14/1.38	1.02/2.03	2.35/2.00	1.40/0.29	-0.34/-0.27
Θ(52.5°)	-0.79/-0.30	-0.10/-0.44	-0.14/-0.58	-0.29/0.56	-0.33/-2.31	-3.53/-2.05	-2.57/-1.81	-1.06/0.15	1.50/1.19	0.81/0.41	-0.03/-0.69	-0.37/-0.10	-0.32/-0.50	-1.14/-0.86	0.74/1.53	2.24/2.25	1.36/1.03	0.26/-0.36	0.35/-1.25	1.49/1.19	0.46/0.62	0.85/0.83	0.86/0.18	0.27/-0.24
Θ(60°)	-1.05/0.55	0.38/0.19	0.38/0.14	-0.14/0.06	-0.64/-0.80	-2.37/-0.89	-1.89/-2.26	-1.72/-1.50	0.29/0.74	0.75/0.57	-0.54/-1.75	-0.11/-0.34	-1.04/-1.78	-1.68/-1.28	0.52/-1.95	2.53/2.70	1.17/1.18	0.24/-0.58	-0.19/-0.09	-0.15/0.44	0.95/-1.03	-1.98/0.09	1.15/0.02	-0.49/-0.63
Θ(67.5°)	-2.50/-0.37	-0.29/0.87	0.79/-0.06	1.27/1.17	0.03/0.10	-1.45/-1.13	-2.41/-2.13	-1.19/-1.60	-0.86/-0.62	0.01/1.06	-0.91/-1.11	-0.84/-1.35	-1.52/-1.42	-2.47/-2.58	-0.45/-1.74	2.28/2.03	1.05/0.97	0.71/0.21	0.45/-0.05	-0.66/-0.97	-0.55/-1.41	-1.76/0.87	0.91/-1.67	-2.26/-1.87
Θ(75°)	-3.24/-2.28	-1.82/-0.12	-0.10/-0.18	2.05/1.60	0.22/-0.46	-2.09/-3.02	-4.00/-3.00	-1.83/-1.79	-1.72/-1.73	-1.95/0.35	-2.14/-2.27	-0.97/-2.25	-2.22/-2.02	-2.85/-3.10	-0.83/1.03	0.74/1.14	0.86/0.58	1.13/0.53	1.57/-0.77	-1.06/-2.79	-0.14/-0.72	-0.58/1.40	0.41/-2.76	-3.47/-3.66
Θ(82.5°)	-5.06/-4.31	-4.02/-3.48	-2.87/-3.14	0.18/0.28	-0.47/-2.71	-4.59/-4.62	-5.63/-4.19	-3.01/-2.22	-2.69/-1.68	-3.25/-1.01	-2.99/-2.48	-2.31/-2.52	-0.69/-0.92	-1.41/-3.51	-1.31/0.07	-0.47/-0.50	0.37/1.25	0.64/0.97	1.90/0.31	-1.53/-4.19	-0.28/-0.47	-0.22/-1.48	-0.05/-3.17	-3.91/-2.48
Θ(90°)	-4.57/-6.40	-5.15/-5.52	-4.74/-4.85	-0.62/-1.33	-1.52/-6.05	-7.70/-7.48	-7.86/-5.34	-3.86/-3.12	-3.46/-2.84	-4.92/-1.40	-2.27/-4.50	-2.25/-3.71	-5.63/-1.74	-2.14/-3.93	-0.91/-0.36	-1.83/-2.10	-2.08/0.12	0.59/-0.61	0.87/-1.16	-2.09/-4.30	-1.40/-2.18	-2.14/-0.20	-1.65/-4.92	-7.27/-4.38
Θ(97.5°)	-6.00/-5.66	-5.82/-6.88	-5.51/-5.89	-1.65/-2.79	-2.32/-6.80	-9.67/-8.98	-6.44/-6.00	-5.19/-4.07	-5.20/-3.48	-5.03/-3.14	-4.54/-5.89	-5.71/-3.27	-5.08/-2.86	-2.02/-3.35	-2.46/-0.93	-1.45/-2.92	-3.82/-2.16	-1.48/-0.61	-1.32/-3.57	-4.62/-6.22	-3.51/-4.31	-4.36/-3.42	-4.02/-6.76	-6.32/-4.38
Θ(105°)	-9.56/-9.29	-7.10/-1.41	-6.18/-7.91	-2.92/-3.95	-4.39/-7.63	-10.26/-9.77	-7.65/-6.63	-7.07/-5.24	-5.01/-5.20	-4.96/-3.13	-5.57/-1.47	-4.83/-6.79	-6.93/-4.52	-3.36/-4.52	-3.11/-3.19	-1.70/-2.14	-4.32/-3.49	-1.36/-2.31	-2.45/-5.95	-6.83/-5.30	-7.17/-7.64	-7.24/-5.30	-5.78/-10.32	-8.06/-5.44
Θ(112.5°)	-7.15/-12.29	-9.75/-10.05	-9.46/-8.32	-8.32/-9.86	-8.22/-10.61	-10.98/-10.24	-8.58/-8.00	-7.15/-5.06	-6.12/-7.24	-5.20/-5.14	-6.52/-6.82	-6.99/-4.20	-4.76/-4.98	-4.06/-4.71	-5.11/-5.20	-2.42/-4.12	-5.35/-5.75	-2.59/-3.73	-3.48/-6.24	-7.41/-5.92	-0.99/-7.21	-5.92/-11.11	-11.13/-10.77	
Θ(120°)	-8.22/-9.82	-15.16/-12.86	-12.14/-7.34	-5.63/-7.01	-13.55/-14.83	-15.23/-11.55	-9.40/-8.47	-7.40/-7.18	-6.69/-8.36	-6.19/-6.46	-7.72/-7.16	-7.69/-7.77	-5.87/-7.70	-6.00/-4.80	-7.24/-4.64	-4.72/-6.13	-5.63/-6.44	-3.96/-3.93	-2.74/-6.94	-6.46/-8.32	-10.95/-7.53	-9.32/-10.34	-7.99/-9.84	-11.29/-11.66
Θ(127.5°)	-11.91/-14.18	-15.57/-13.98	-14.68/-8.66	-6.95/-8.42	-11.39/-11.83	-12.97/-10.48	-8.62/-9.19	-9.24/-9.54	-7.51/-8.88	-10.50/-8.08	-7.54/-9.02	-9.19/-6.57	-5.20/-5.76	-5.94/-5.81	-7.97/-4.47	-2.38/-6.70	-6.90/-8.67	-6.44/-6.84	-4.35/-2.68	-9.86/-12.69	-12.03/-10.48	-10.09/-13.03	-7.64/-9.16	-10.32/-10.08
Θ(135°)	-15.42/-11.24	-14.89/-12.00	-11.94/-13.53	-13.79/-12.94	-15.64/-14.34	-12.11/-11.26	-10.69/-10.84	-10.16/-11.06	-11.95/-9.66	-9.68/-7.80	-9.35/-8.84	-9.08/-10.38	-10.19/-6.17	-6.09/-11.10	-7.77/-2.69	-2.38/-6.88	-8.66/-7.76	-5.74/-5.25	-7.63/-8.98	-11.78/-14.81	-7.31/-8.85	-7.52/-13.27	-12.98/-10.97	-12.24/-10.47
Θ(142.5°)	-11.61/-10.65	-8.55/-14.72	-12.46/-8.62	-7.76/-9.82	-13.05/-14.48	-15.47/-15.42	-15.69/-16.00	-14.82/-13.26	-12.48/-8.43	-9.98/-12.51	-9.94/-8.46	-9.08/-8.62	-8.42/-7.48	-7.77/-7.54	-5.08/-4.09	-4.89/-8.12	-13.46/-10.47	-6.87/-6.17	-6.10/-6.97	-9.06/-13.61	-8.73/-11.28	-7.12/-8.04	-8.87/-11.74	-10.26/-10.14
Θ(150°)	-10.24/-13.88	-14.23/-11.11	-12.84/-14.63	-15.02/-15.83	-14.05/-15.56	-14.12/-13.88	-13.50/-13.27	-12.58/-12.26	-13.26/-15.26	-14.21/-15.02	-14.19/-12.32	-11.17/-10.31	-8.89/-8.65	-10.51/-11.82	-9.96/-6.84	-7.44/-12.04	-11.70/-9.75	-8.80/-9.62	-7.42/-7.05	-9.47/-12.48	-12.73/-12.78	-11.51/-10.36	-10.99/-14.26	-15.82/-10.22
Θ(157.5°)	-13.67/-15.03	-15.37/-14.35	-14.09/-13.68	-15.15/-14.92	-14.83/-15.06	-14.74/-12.83	-14.01/-13.65	-13.54/-12.11	-11.86/-13.79	-13.31/-13.72	-13.29/-12.55	-11.88/-11.08	-10.65/-10.36	-12.14/-11.64	-9.17/-9.66	-9.47/-8.12	-9.09/-9.07	-7.71/-6.70	-7.78/-9.86	-10.09/-10.22	-10.24/-10.80	-10.64/-9.86	-9.96/-11.19	-13.75/-15.01
Θ(165°)	-15.98/-15.79	-14.72/-15.12	-15.17/-15.63	-15.86/-14.79	-13.50/-12.35	-12.06/-13.04	-13.59/-11.40	-9.16/-8.59	-9.08/-11.02	-12.82/-12.31	-11.56/-11.30	-10.63/-9.56	-8.86/-9.58	-10.14/-8.94	-8.79/-8.68	-9.28/-9.12	-12.13/-11.28	-9.28/-7.57	-6.87/-7.60	-8.83/-9.42	-11.39/-14.15	-14.61/-12.48		

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_Radio 4_6GHz

Appendix J

Total Gain Data

Freq(Hz)	6.175GPol.	TotalAnt. 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Gain	Φ(0°)Φ(7.5°)	Φ(15°)Φ(22.5°)	Φ(30°)Φ(37.5°)	Φ(45°)Φ(52.5°)	Φ(60°)Φ(67.5°)	Φ(75°)Φ(82.5°)	Φ(90°)Φ(97.5°)	Φ(105°)Φ(112.5°)	Φ(120°)Φ(127.5°)	Φ(135°)Φ(142.5°)	Φ(150°)Φ(157.5°)	Φ(165°)Φ(172.5°)	Φ(180°)Φ(187.5°)	Φ(195°)Φ(202.5°)	Φ(210°)Φ(217.5°)	Φ(225°)Φ(232.5°)	Φ(240°)Φ(247.5°)	Φ(255°)Φ(262.5°)	Φ(270°)Φ(277.5°)	Φ(285°)Φ(292.5°)	Φ(300°)Φ(307.5°)	Φ(315°)Φ(322.5°)	Φ(330°)Φ(337.5°)	Φ(345°)Φ(352.5°)
Θ(0°)	-2.71-1.89	-1.31-1.75	-1.93-1.30	-1.02-1.53	-1.55-1.39	-1.50-2.01	-2.48-2.04	-2.42-2.57	-2.92-3.1	-2.80-4.23	-3.87-3.72	-3.97-4.34	-4.38-4.47	-4.33-4.60	-5.11-4.75	-4.05-3.36	-3.13-3.34	-3.42-3.43	-3.47-3.02	-2.61-2.53	-2.30-1.88	-2.58-2.44	-2.03-2.38	-1.91-1.58
Θ(7.5°)	-5.72-6.97	-6.30-6.25	-5.82-4.74	-4.20-3.93	-3.19-2.39	-2.45-2.44	-1.54-1.56	-1.08-1.02	-1.08-1.33	-1.34-1.67	-1.87-1.60	-1.30-1.03	-1.03-1.50	-1.79-1.38	-1.32-1.67	-2.17-1.37	-3.66-4.14	-4.49-4.42	-4.78-5.99	-5.52-5.77	-5.37-5.58			
Θ(15°)	-4.96-5.54	-6.70-6.90	-7.18-6.76	-5.86-5.00	-3.79-2.58	-2.15-0.92	-0.120.21	0.30-0.36	-0.35-0.16	-1.49-2.26	-2.58-2.34	-2.13-2.03	-1.17-1.50	-1.26-0.53	-1.18-1.83	-1.31-0.47	-0.54-0.80	-1.67-2.94	-3.83-4.83	-5.67-4.86	-3.51-4.31	-4.66-3.69	-4.32-3.85	-4.19-5.53
Θ(22.5°)	-3.95-4.97	-4.98-4.02	-3.49-3.41	-3.82-3.34	-2.44-1.60	-0.96-0.40	-0.15-0.84	-2.53-3.16	-3.26-3.44	-2.49-1.67	-1.35-2.10	-2.76-2.16	-2.35-3.04	-2.05-0.95	-0.81-0.55	0.540.97	0.60-0.75	-3.18-4.01	-2.62-2.12	-2.87-4.33	-2.92-2.41	-2.49-2.05	-2.69-3.64	-3.95-3.79
Θ(30°)	-3.14-4.63	-7.25-7.99	-6.47-3.73	-2.99-2.29	-1.62-1.22	-0.43-0.05	-0.98-4.86	-6.38-3.58	-1.780.14	1.121.03	1.060.71	0.901.32	1.491.50	0.47-0.75	-0.71-0.23	0.791.13	0.59-0.63	-1.11-0.20	-0.03-1.02	-1.54-0.73	-0.38-1.35	-1.83-1.97	-2.73-3.64	-3.79-3.83
Θ(37.5°)	0.25-0.95	-3.69-4.29	-4.02-1.47	-2.28-3.01	-1.37-0.06	0.06-0.37	-1.79-2.11	-1.33-1.65	-0.31-1.40	1.671.84	2.422.18	1.04-0.39	-0.230.95	2.002.39	-0.77-0.40	0.650.32	0.89-0.32	-0.44-0.10	-1.60-1.44	-0.56-1.42	-1.51-1.29	-1.24-1.55	-2.46-1.50	0.520.05
Θ(45°)	-0.09-3.28	-3.40-4.27	-3.00-0.19	-0.17-1.04	-0.620.97	1.09-0.11	-0.092.15	2.550.81	0.220.27	0.280.46	0.820.66	0.04-0.52	-0.131.81	2.173.08	3.421.62	0.82-0.36	0.80-0.16	-0.14-0.18	-2.09-1.96	-1.29-0.67	-0.34-0.73	-2.49-3.12	-2.45-1.53	0.121.05
Θ(52.5°)	1.500.13	-1.51-0.56	2.012.58	1.000.41	0.581.58	2.340.96	0.262.23	3.181.42	1.101.78	0.631.28	2.151.89	0.17-1.11	-0.572.04	3.853.97	4.242.99	0.960.47	0.43-0.64	0.76-0.07	-1.96-2.21	-1.41-1.05	0.111.65	1.18-0.70	0.150.97	0.551.53
Θ(60°)	2.872.84	0.320.59	3.463.32	1.481.82	1.941.28	1.890.56	-0.11-1.31	2.431.60	1.833.13	1.380.78	1.040.67	-0.31-0.05	-1.70-1.08	1.633.64	4.012.93	1.100.60	1.11-0.32	0.27-0.17	-2.30-4.51	-2.06-2.08	0.472.22	3.061.95	2.151.49	0.561.13
Θ(67.5°)	3.533.72	1.26-1.00	2.773.72	1.95-2.70	2.031.33	1.61-0.35	-0.03-0.82	0.87-2.46	3.13-4.31	1.43-2.01	-0.60-2.10	-0.55-0.43	0.14-0.81	1.14-2.72	3.61-1.84	1.07-0.30	1.13-0.16	0.42-1.30	-3.13-7.18	-3.53-2.00	0.72-1.81	0.78-0.76	3.57-2.43	1.30-1.93
Θ(75°)	2.832.86	0.55-0.48	1.69-3.73	1.75-1.78	1.35-2.32	2.72-1.76	0.36-0.92	-0.80-2.31	2.69-4.83	2.51-1.21	-0.21-1.80	-2.49-0.41	-0.07-0.58	0.09-1.22	2.42-1.60	0.41-0.25	-0.89-0.07	0.82-1.35	-2.16-9.50	-5.06-1.77	-0.34-0.99	0.91-0.81	3.73-2.47	1.13-1.85
Θ(82.5°)	1.45-0.57	-3.21-0.43	-0.26-2.67	1.35-0.50	0.24-1.51	2.98-2.03	1.20-1.75	-0.63-2.22	2.57-4.71	3.22-1.80	-2.33-4.60	-6.71-1.57	-1.64-0.26	0.07-0.39	1.96-1.44	0.07-0.30	-1.90-1.13	0.72-1.63	-1.09-6.40	-5.79-4.08	-1.89-2.11	2.61-1.18	2.48-2.15	-0.58-2.21
Θ(90°)	-1.27-4.12	-4.94-1.25	-1.52-1.00	0.29-1.63	-1.93-0.21	1.64-0.96	0.01-1.39	-0.02-1.59	0.91-3.29	2.58-0.42	-2.06-5.14	-4.52-3.41	-3.23-1.64	-2.62-1.03	0.21-1.41	-2.44-0.78	-4.02-3.60	0.04-1.93	-0.02-3.36	-2.83-6.34	-3.22-1.82	2.03-0.07	-0.25-1.32	-1.76-0.16
Θ(97.5°)	-4.28-5.31	-4.29-2.11	-1.68-0.82	-2.90-4.10	-2.91-1.50	-0.54-1.20	-1.26-0.06	0.19-0.25	-0.08-1.41	1.24-0.49	-3.17-7.18	-6.02-4.33	-3.77-1.54	-2.96-1.99	-1.52-0.18	-4.87-1.95	-3.85-8.07	-3.78-1.19	-1.45-4.45	-5.70-3.41	-2.28-0.50	-1.56-3.69	-3.68-0.40	-2.52-2.71
Θ(105°)	-8.68-5.10	-3.72-4.07	-2.46-1.97	-4.76-6.35	-3.20-3.68	-3.35-4.01	-2.09-0.49	0.03-1.12	-0.70-0.86	0.30-1.84	-3.35-5.29	-7.43-6.29	-4.26-1.77	-3.62-2.96	-3.32-2.15	-4.54-3.57	-3.70-6.02	-0.64-0.10	-4.39-7.37	-10.15-4.54	-6.76-7.68	-3.74-4.93	-4.03-3.25	-5.86-4.63
Θ(112.5°)	-6.61-8.70	-8.55-5.78	-5.11-4.85	-7.69-8.24	-4.51-4.43	-5.75-6.86	-4.85-2.19	-0.98-1.97	-0.92-2.75	-1.53-3.94	-4.32-4.28	-6.20-7.62	-3.70-3.43	-3.18-3.14	-3.31-4.42	-2.98-5.28	-4.17-5.25	-3.23-6.93	-6.43-5.24	-8.71-5.12	-8.64-8.03	-3.27-4.29	-7.26-9.10	-13.58-6.89
Θ(120°)	-6.70-7.29	-8.35-6.83	-10.03-13.18	-13.12-11.21	-6.81-5.54	-7.11-7.66	-9.18-4.45	-1.55-1.78	-0.97-3.32	-4.28-5.06	-5.76-4.45	-6.04-9.16	-8.41-9.14	-2.45-1.22	-3.42-4.26	-2.50-7.12	-4.16-6.49	-8.70-6.90	-4.54-10.19	-10.26-5.31	-4.07-8.84	-7.34-3.25	-6.45-6.67	
Θ(127.5°)	-13.77-7.56	-11.99-6.63	-12.72-13.80	-12.12-8.34	-7.43-5.67	-6.70-3.68	-1.49-1.58	-2.82-7.05	-9.24-5.52	-7.93-5.00	-4.81-4.78	-5.45-7.80	-9.24-5.52	-4.80-4.23	-7.63-6.90	-2.55-6.37	-4.85-4.42	-6.06-4.10	-5.74-9.53	-6.43-14.15	-9.06-13.27	-10.92-5.40	-9.09-5.00	-12.56-10.53
Θ(135°)	-9.90-8.30	-9.76-12.09	-12.31-10.19	-7.63-6.96	-7.37-5.11	-5.49-5.24	-6.75-4.61	-3.35-2.53	-4.61-5.98	-9.84-5.50	-4.30-7.08	-10.70-7.49	-6.43-7.81	-5.65-4.19	-5.80-7.44	-4.65-3.29	-11.86-8.60	-12.08-7.63	-11.72-11.56	-11.00-13.65	-15.20-10.72	-5.59-5.77	-5.83-10.86	-8.99-9.98
Θ(142.5°)	-11.61-9.56	-13.41-8.53	-9.83-11.24	-7.22-8.34	-8.24-10.40	-9.42-9.71	-8.60-5.89	-3.46-4.17	-7.40-3.77	-11.21-9.41	-5.97-7.27	-10.19-11.02	-11.43-8.26	-5.50-4.93	-6.20-5.86	-8.26-5.27	-8.89-9.84	-8.93-8.33	-12.40-9.77	-7.80-11.14	-13.77-11.78	-8.16-8.63	-12.30-15.21	-7.57-7.55
Θ(150°)	-13.17-8.05	-11.16-6.86	-7.26-9.16	-10.00-11.88	-10.45-12.02	-12.55-12.99	-8.81-7.39	-6.86-6.60	-6.26-8.89	-11.24-13.01	-12.41-9.24	-9.62-10.26	-11.37-14.56	-10.84-9.39	-9.12-8.70	-6.31-10.08	-13.58-9.07	-9.40-10.55	-11.29-15.14	-12.37-10.26	-12.59-13.82	-12.42-12.81	-11.30-10.18	-6.75-11.85
Θ(157.5°)	-11.64-11.52	-11.80-10.89	-10.83-12.02	-9.92-10.83	-11.41-14.53	-13.07-11.53	-11.36-10.24	-10.74-12.44	-11.89-9.72	-8.57-7.85	-7.80-8.41	-11.10-8.35	-6.28-9.05	-9.94-13.32	-14.44-9.50	-11.24-12.24	-10.42-9.81	-12.05-15.13	-13.04-14.80	-13.89-10.10	-9.95-11.35	-11.84-11.84	-13.32-12.09	-13.28-13.76
Θ(165°)	-12.28-12.96	-15.79-13.43	-13.65-14.55	-15.20-13.48	-12.05-11.17	-9.96-8.93	-9.64-11.69	-12.30-13.67	-13.96-12.96	-11.60-11.21	-11.47-12.02	-10.79-9.53	-9.48-9.92	-10.74-12.63	-12.12-14.26	-13.55-14.28	-15.34-11.21	-11.68-14.22	-12.54-8.63	-8.25-10.17	-8.46-11.51	-12.58-13.04	-14.89-14.90	-13.70-12.29
Θ(172.5°)	-15.06-15.53	-15.65-15.05	-15.09-14.87	-15.84-14.67	-14.75-14.88	-15.03-15.79	-15.43-15.48	-15.25-15.23	-15.62-15.59	-15.02-15.59	-14.52-14.86	-14.73-13.69	-11.64-12.47	-12.34-11.74	-12.23-12.04	-10.51-10.66	-12.37-14.59	-14.06-12.34	-12.91-11.99	-10.48-11.23	-9.49-9.01	-8.92-9.36	-10.43-9.40	
Θ(180°)	-14.80-14.12	-14.61-14.94	-15.44-15.47	-14.92-14.64	-15.64-14.74	-15.20-15.90	-15.29-14.61	-15.43-15.92	-15.17-15.41	-14.78-15.48	-15.71-14.51	-15.24-15.72	-15.11-14.87	-15.18-15.69	-14.76-15.50	-15.48-14.31	-13.31-13.47	-14.02-13.97	-15.25-15.30	-15.64-14.76	-14.24-13.71	-13.18-11.80	-14.12-14.98	-14.57-15.25
Freq(Hz)	6.475GPol.	TotalAnt. 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)Φ(7.5°)	Φ(15°)Φ(22.5°)	Φ(30°)Φ(37.5°)	Φ(45°)Φ(52.5°)	Φ(60°)Φ(67.5°)	Φ(75°)Φ(82.5°)	Φ(90°)Φ(97.5°)	Φ(105°)Φ(112.5°)	Φ(120°)Φ(127.5°)	Φ(135°)Φ(142.5°)	Φ(150°)Φ(157.5°)	Φ(165°)Φ(172.5°)	Φ(180°)Φ(187.5°)	Φ(195°)Φ(202.5°)	Φ(210°)Φ(217.5°)	Φ(225°)Φ(232.5°)	Φ(240°)Φ(247.5°)	Φ(255°)Φ(262.5°)	Φ(270°)Φ(277.5°)	Φ(285°)Φ(292.5°)	Φ(300°)Φ(307.5°)	Φ(315°)Φ(322.5°)	Φ(330°)Φ(337.5°)	Φ(345°)Φ(352.5°)
Θ(0°)	-1.45-1.66	-1.38-1.39	-1.44-1.00	-0.75-0.96	-1.15-0.78	-0.40-0.32	-0.44-0.68	-1.12-1.00	-1.71-1.11	-1.55-1.95	-2.10-1.83	-2.04-2.18	-2.24-2.58	-1.40-0.96	-1.73-1.54	-1.06-0.67	-0.40-0.07	0.29-0.06	-0.58-0.43	-0.19-0.86	-0.74-0.61	-0.93-0.70	-1.23-1.46	-1.74-2.00
Θ(7.5°)	-3.27-3.10	-2.55-2.51	-2.45-1.59	-0.92-0.77	-0.57-0.01	0.250.51	0.49-0.10	-0.67-1.23	-1.28-1.38	-1.80-2.34	-2.28-2.19	-2.24-2.24	-2.62-2.55	-2.05-2.39	-2.12-1.89	-1.38-1.06	-0.87-0.51	-0.22-0.57	-0.99-1.46	-1.74-1.57	-2.02-3.32	-2.96-3.31	-3.27-3.55	-4.10-3.71
Θ(15°)	-4.36-3.45	-3.81-3.86	-3.72-4.01	-4.11-4.53	-3.88-2.68	-1.67-0.69	-0.81-1.79	-3.06-4.86	-5.00-5.18	-4.83-3.44	-3.74-4.00	-2.92-1.70	-2.57-0.29	0.07-0.27	0.06-0.52	-2.17-2.09	-1.31-0.64	-0.51-1.08	-1.70-3.02	-3.66-3.88	-3.35-3.91	-4.65-4.20	-4.43-4.26	-4.14-4.32
Θ(22.5°)	-6.31-7.83	-5.81-4.14	-3.49-2.35	-2.35-2.63	-3.44-3.64	-3.90-4.58	-4.89-3.69	-2.93-2.80	-2.41-2.17	-1.01-0.47	-1.08-1.97	-2.56-2.38	-1.50-1.81	-0.45-0.93	-0.51-0.00	-1.53-1.10	-0.00-1.60	-2.62-2.48	-2.60-3.85	-4.94-7.00	-5.00-4.71	-3.95-5.62	-4.84-6.77	
Θ(30°)	-6.73-8.38	-7.91-5.56	-4.54-2.84	-1.77-1.99	-2.65-3.32	-3.36-4.51	-4.08-2.16	-1.57-1.43	-0.88-0.23	0.92-1.34	1.29-0.63	-0.45-0.29	-0.56-0.56	0.24-1.18	0.45-0.96	-1.59-0.75	0.22-0.19	-1.53-1.25	-0.16-0.81	-3.31-3.16	-2.45-1.60	-0.83-0.91	-2.11-4.08	-5.73-4.61
Θ(37.5°)	-1.42-4.23	-4.07-4.43	-3.52-3.25	-4.59-2.91	-2.21-0.93	-2.25-1.05	-0.31-0.61	-0.02-0.08	0.94-0.49	-1.49-1.99	-0.81-2.02	-2.69-1.94	-0.14-0.55	1.60-1.52	2.48-0.04	-1.37-0.59	0.19-0.97	-0.62-0.35	-0.58-2.33	-2.93-1.67	-1.90-2.45	-3.39-3.26	-2.	



Antenna Pattern_Radio 4_6GHz

Appendix J

Θ (15°)	-2.34/3.32	-2.94/-3.25	-3.36/-3.42	-3.96/-4.01	-4.48/-4.91	-5.94/-7.07	-7.59/-7.47	-7.41/-7.73	-8.21/-8.23	-9.22/-9.22	-9.09/-11.52	-13.83/-15.32	-13.11/-12.12	-15.23/-10.55	-5.60/-2.87	-1.29/-0.78	-0.17/0.01	-0.09/0.16	0.13/0.11	-0.18/-1.30	-1.50/-2.33	-3.28/-3.54	-3.45/-2.63	-2.19/-2.60
Θ (22.5°)	0.33/0.15	0.50/0.19	-0.23/-1.08	-2.16/-2.67	-3.72/-4.25	-4.94/-6.17	-7.20/-7.96	-7.91/-9.01	-11.19/-11.42	-10.56/-9.23	-8.33/-8.33	-7.87/-7.15	-6.70/-6.96	-7.69/-7.91	-5.58/-3.33	-1.22/-3.02	0.25/0.09	0.16/0.11	-0.31/-1.22	-2.16/-3.19	-2.84/-1.34	-0.32/-0.32	-0.08/-0.78	-0.34/-0.12
Θ (30°)	-1.50/-1.21	-0.33/0.31	0.10/0.90	-0.75/-3.34	-6.67/-5.84	-4.55/-5.35	-7.59/-8.06	-6.00/-5.96	-8.90/-9.42	-7.52/-6.30	-4.25/-2.41	-2.45/-4.53	-3.62/-2.22	-2.11/-1.59	0.07/0.43	-0.34/-0.93	-0.12/0.43	-0.28/0.18	-1.47/-1.51	-0.10/-0.64	-1.81/-0.50	-4.20/-3.12	-2.80/-3.05	
Θ (37.5°)	-0.41/0.32	0.22/-0.69	-1.44/-0.92	-0.65/-2.58	-4.57/-2.43	-1.81/-3.72	-6.35/-4.74	-3.46/-3.16	-5.51/-10.40	-11.30/-6.24	-3.58/-1.13	0.93/0.05	0.23/-0.49	-1.82/-1.05	-1.06/-1.00	0.71/0.27	-1.40/-1.66	-1.79/-1.26	-0.95/-1.32	-0.46/0.31	-0.06/0.18	1.07/-1.62	1.79/1.19	0.39/-0.54
Θ (45°)	3.48/-1.23	0.81/0.08	-1.03/-1.69	-1.70/-1.97	-2.01/-0.20	-1.02/-1.26	-0.05/-1.74	2.05/0.51	-1.75/-0.86	-0.63/-1.15	-0.98/0.12	1.68/2.31	2.71/2.04	0.36/0.41	1.12/-0.87	0.62/2.50	0.74/-1.39	0.95/0.35	-0.19/-0.24	1.28/2.20	1.45/-0.79	-1.72/-0.81	-0.62/-1.81	3.81/-3.34
Θ (52.5°)	3.14/-0.62	-0.17/0.40	0.38/-0.78	-0.20/-0.05	0.18/2.06	-0.15/2.72	2.99/3.79	2.80/-5.11	0.28/3.80	4.24/-2.28	1.01/-1.34	1.55/1.78	1.81/0.86	0.83/0.19	1.90/0.79	2.00/2.72	-0.51/0.69	1.07/1.19	0.79/0.04	0.34/0.81	1.81/-5.50	-4.69/-4.19		
Θ (60°)	-2.00/-4.57	-1.08/-1.15	2.18/-1.20	1.16/2.36	2.13/-1.96	2.13/-2.47	3.95/3.83	1.34/-2.27	1.05/4.55	5.15/3.74	1.85/-0.85	-0.46/0.91	0.20/-0.20	0.79/0.47	1.39/2.03	0.50/-1.91	0.66/0.94	1.52/-1.32	-2.11/-1.70	-0.84/-0.35	-1.75/-2.36	-1.46/-0.11	1.68/-2.22	1.13/-1.41
Θ (67.5°)	0.03/-0.71	-0.27/-2.12	4.01/-2.34	0.52/3.02	2.92/-1.81	2.82/2.55	3.43/3.60	1.33/0.41	2.84/-3.89	4.23/-9.36	2.00/0.71	-0.98/-2.44	2.38/-0.94	1.32/0.40	1.55/-1.41	-1.29/0.48	1.46/-1.74	1.36/-2.63	-1.05/-1.55	-2.76/-6.30	-12.95/-4.75	-0.46/-1.16	0.70/-1.11	-1.49/-0.84
Θ (75°)	2.75/-1.14	0.14/-1.86	4.13/-2.46	-1.23/-2.32	2.39/-1.59	2.00/-2.21	3.09/3.64	1.21/-1.87	3.43/-2.97	1.94/-1.83	3.35/-3.27	0.44/-1.04	3.24/-1.41	0.24/0.54	1.04/-1.88	-2.90/-1.96	0.15/0.88	-0.18/-1.83	1.21/-2.24	0.92/-5.26	-9.14/-0.18	1.33/-2.27	0.38/-2.48	0.66/-2.14
Θ (82.5°)	2.84/0.20	-0.31/0.56	2.77/-1.77	-3.55/0.64	1.52/-0.27	1.42/-1.94	2.91/3.62	0.61/-1.94	3.44/-1.14	-0.27/0.91	3.49/3.50	0.87/-1.26	2.44/0.39	-0.03/-0.86	0.03/0.53	-5.77/-1.30	-1.69/-1.54	-1.70/-0.39	2.21/3.73	2.10/-2.46	-4.62/-1.13	1.59/0.62	-0.81/-4.07	1.50/-1.99
Θ (90°)	1.14/-0.44	-2.86/-1.19	0.83/-0.36	-4.98/-0.86	0.07/-3.78	0.29/-1.15	-0.26/-1.50	-0.46/0.83	2.65/-1.02	-3.26/-1.66	1.26/3.02	0.70/-0.41	1.87/-0.09	-0.98/-3.16	-0.05/-0.95	-7.73/-3.44	-3.81/-2.16	-3.66/-2.42	0.89/2.01	0.45/-2.64	-2.77/-0.58	0.62/-2.03	-3.44/-5.29	-0.08/0.70
Θ (97.5°)	-1.20/-2.59	-5.30/-3.06	-0.97/-3.39	-7.26/-1.99	-2.78/-6.04	-0.26/-3.59	-1.31/0.12	-2.80/-0.06	1.79/-3.20	-5.21/-2.32	0.01/-1.48	-0.60/-1.57	0.87/-4.62	-1.34/-6.34	-1.46/-2.38	-8.71/-3.97	-4.21/-4.99	-6.42/-4.73	-1.58/-1.05	-3.06/-4.02	-2.51/-3.65	-1.54/-6.29	-5.80/-4.73	-2.19/-1.21
Θ (105°)	-2.70/-4.07	-8.58/-4.24	-3.75/-7.39	-8.98/-3.84	-4.87/-7.80	-3.41/-5.39	-2.71/-1.07	-3.73/-3.09	-0.39/-3.74	-7.55/-6.07	-2.23/-0.67	-2.41/-3.73	-1.77/-3.49	-4.43/-7.05	-3.80/-4.39	-9.52/-6.73	-5.37/-5.98	-8.64/-7.95	-5.95/-4.79	-7.03/-5.66	-5.11/-8.43	-6.67/-9.71	-6.72/-10.44	-5.83/-3.10
Θ (112.5°)	-3.65/-9.83	-8.15/-4.72	-6.54/-10.60	-9.16/-5.58	-9.01/-9.57	-6.92/-7.50	-3.77/-3.93	-6.28/-3.45	-2.19/-4.72	-3.77/-3.93	-6.28/-3.45	-2.19/-4.72	-3.77/-3.93	-6.28/-3.45	-2.19/-4.72	-3.77/-3.93	-6.28/-3.45	-2.19/-4.72	-3.77/-3.93	-6.28/-3.45	-2.19/-4.72	-3.77/-3.93	-6.28/-3.45	-2.19/-4.72
Θ (120°)	-8.33/-12.20	-13.12/-9.13	-11.51/-12.21	-8.62/-10.70	-12.74/-12.36	-7.86/-8.01	-6.52/-3.53	-7.00/-4.84	-5.84/-4.86	-9.67/-8.82	-5.16/-4.90	-8.53/-8.11	-4.33/-5.34	-9.21/-6.45	-8.83/-8.71	-6.21/-14.86	-9.20/-6.39	-10.34/-12.49	-7.05/-5.71	-8.10/-12.01	-7.10/-8.14	-10.03/-8.57	-14.17/-13.68	-6.03/-4.30
Θ (127.5°)	-10.56/-15.21	-15.06/-13.57	-13.69/-13.54	-11.08/-10.87	-13.24/-10.93	-14.69/-9.52	-7.77/-6.57	-6.80/-7.23	-7.59/-8.02	-9.61/-10.24	-7.84/-6.22	-8.92/-8.56	-6.38/-7.34	-9.13/-11.18	-8.19/-9.22	-11.26/-10.24	-7.56/-11.76	-12.34/-14.27	-14.44/-6.34	-8.16/-15.51	-11.06/-9.12	-11.84/-10.93	-12.73/-11.73	-8.61/-8.90
Θ (135°)	-15.68/-13.84	-15.07/-12.85	-14.75/-15.55	-11.62/-10.60	-13.05/-9.93	-9.00/-8.79	-8.19/-8.26	-10.57/-14.22	-11.82/-11.25	-9.32/-9.48	-10.88/-10.54	-10.29/-11.58	-8.57/-7.20	-9.79/-10.30	-12.82/-12.14	-12.77/-12.02	-10.72/-15.20	-15.15/-14.70	-11.70/-13.03	-9.51/-15.13	-14.55/-12.48	-15.64/-15.51	-9.89/-9.20	-7.35/-8.26
Θ (142.5°)	-13.81/-13.40	-15.07/-12.84	-14.34/-13.96	-12.62/-14.61	-12.57/-12.40	-11.02/-9.53	-10.34/-12.96	-12.21/-15.25	-15.29/-13.01	-8.57/-9.20	-12.56/-12.02	-10.77/-11.29	-9.63/-11.85	-12.12/-11.28	-9.80/-11.61	-11.77/-11.47	-12.20/-9.19	-13.84/-12.96	-12.51/-9.76	-11.26/-14.34	-12.49/-11.82	-15.00/-14.89	-15.17/-13.11	-12.35/-14.81
Θ (150°)	-15.08/-14.19	-10.34/-13.84	-15.34/-15.18	-14.89/-15.65	-14.07/-12.71	-13.02/-12.41	-11.77/-11.67	-12.26/-11.92	-12.87/-12.96	-12.98/-12.50	-11.90/-11.87	-14.09/-14.17	-10.93/-10.20	-10.28/-12.98	-12.18/-11.03	-14.87/-12.02	-12.91/-12.34	-12.75/-14.19	-15.01/-15.00	-14.63/-14.73	-15.03/-15.14	-15.27/-15.11	-12.92/-10.57	-9.72/-9.42
Θ (157.5°)	-14.13/-15.75	-16.28/-13.82	-14.93/-15.38	-14.28/-14.09	-15.24/-13.75	-11.48/-11.35	-12.56/-13.49	-14.28/-14.68	-13.79/-13.53	-14.83/-14.89	-14.30/-13.63	-13.51/-11.55	-12.21/-13.23	-12.71/-14.56	-13.16/-14.37	-15.36/-14.76	-13.80/-14.90	-14.79/-15.09	-15.58/-14.27	-11.40/-9.75	-15.71/-16.12	-14.91/-15.91	-13.95/-15.00	-13.40/-12.54
Θ (165°)	-14.97/-15.70	-12.57/-12.51	-15.71/-15.00	-15.41/-15.70	-15.72/-15.16	-15.29/-15.85	-15.48/-13.71	-12.89/-12.65	-12.58/-14.73	-14.30/-15.21	-15.80/-14.47	-14.67/-15.43	-15.26/-14.17	-13.43/-15.58	-15.17/-15.00	-15.53/-14.92	-15.17/-15.48	-15.17/-15.07	-15.68/-16.11	-14.41/-13.42	-12.28/-10.80	-10.32/-11.15	-13.85/-15.73	-15.78/-15.19
Θ (172.5°)	-15.13/-15.28	-14.72/-14.57	-15.10/-14.61	-15.15/-15.98	-15.90/-14.73	-15.44/-16.11	-14.60/-13.70	-13.84/-13.34	-13.23/-14.08	-14.11/-13.69	-14.95/-16.00	-14.98/-13.88	-14.65/-15.19	-13.56/-13.64	-13.53/-14.97	-15.56/-15.42	-15.77/-14.91	-15.05/-15.15	-15.14/-15.19	-16.06/-15.10	-16.32/-15.05	-15.27/-15.78		
Θ (180°)	-13.68/-14.29	-14.57/-14.84	-14.58/-12.92	-12.51/-13.04	-12.57/-12.10	-12.30/-14.52	-13.69/-13.06	-14.24/-13.28	-12.36/-12.75	-13.92/-14.41	-14.16/-13.73	-13.92/-15.04	-14.97/-15.07	-15.54/-14.26	-14.20/-14.34	-14.80/-14.24	-15.73/-15.31	-13.52/-12.79	-14.03/-14.92	-14.28/-15.70	-13.49/-14.77	-15.63/-13.80	-12.89/-11.85	-11.40/-12.08
Freq(Hz)	6.475GPol.	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°)	-4.79/-4.87	-4.70/-4.72	-5.07/-0.46	-4.15/-4.28	-3.85/-3.23	-2.72/-2.24	-2.46/-2.30	-1.09/-1.09	-1.23/-0.43	-0.33/-0.66	-0.63/-0.78	-0.87/-0.90	-1.42/-1.91	-2.20/-2.05	-2.06/-2.37	-2.78/-3.11	-3.41/-3.52	-3.54/-3.56	-3.48/-3.19	-4.15/-3.57	-3.86/-4.54	-3.43/-4.54	-3.96/-4.34	-4.97/-4.43
Θ (7.5°)	-1.12/-1.65	-2.24/-2.65	-3.03/-3.02	-4.07/-3.44	-3.68/-3.97	-4.37/-4.50	-4.21/-5.21	-5.18/-4.83	-6.25/-6.06	-5.48/-6.22	-6.42/-5.63	-6.38/-6.53	-6.76/-1.17	-6.60/-5.39	-4.70/-4.55	-4.42/-4.17	-3.60/-2.31	-1.32/-0.89	-0.67/-0.32	0.04/0.06	0.37/-0.29	-0.67/-0.65	-1.09/-1.20	
Θ (15°)	-2.79/-3.50	-3.64/-4.14	-4.86/-5.40	-5.79/-6.24	-5.94/-5.02	-4.71/-4.17	-4.25/-5.16	-5.25/-6.72	-6.42/-8.67	-9.02/-8.79	-7.52/-6.82	-6.62/-5.64	-5.39/-5.68	-5.59/-5.76	-6.03/-5.87	-4.77/-3.74	-2.79/-1.44	-0.12/0.51	1.06/-1.49	1.36/0.91	0.20/-0.20	-1.19/-1.55	-2.07/-3.28	-3.88/-4.39
Θ (22.5°)	1.08/0.43	-0.12/-1.02	-2.40/-3.50	-5.07/-5.13	-4.00/-2.96	-2.38/-1.81	-2.01/-2.23	-2.93/-6.53	-8.25/-8.87	-8.89/-6.44	-3.77/-2.74	-1.95/-1.34	-1.95/-8.22	-3.03/-3.59	-3.69/-3.22	-1.65/-1.08	-0.46/-0.16	0.34/0.50	1.06/0.84	0.16/0.01	0.24/0.88	1.15/-1.19	1.53/-8.95	1.59/-1.22
Θ (30°)	0.72/0.79	0.56/0.66	-0.04/-1.65	-4.55/-3.56	-1.58/-0.79	-1.76/-2.96	-2.99/-3.19	-4.02/-7.03	-10.72/-11.34	-12.22/-10.35	-5.25/-3.36	-1.23/-0.90	-1.43/-1.24	-1.76/-4.48	-3.18/-1.85	0.23/-1.40	1.18/-0.38	-0.47/-0.33	0.08/-0.28	-0.19/0.36	0.11/-0.80	-0.46/-0.36	0.54/-0.04	-0.53/-0.25
Θ (37.5°)	-0.40/-0.34	-0.74/-0.05	-0.10/-0.80	-2.69/-3.16	-1.20/-0.55	-2.50/-3.06	-0.58/-0.12	-2.80/-6.49	-5.84/-5.35	-3.67/-4.68	-4.20/-0.74	-0.58/-1.15	-0.62/-1.02	-0.52/-2.27	-2.13/-1.60	0.76/-1.07	1.35/-0.33	-0.68/-2.00	-0.43/-0.69	-1.00/-0.83	1.40/2.83	3.11/-9.93	2.07/-1.09	-0.31/-0.62
Θ (45°)	0.60/0.74	-0.20/-1.43	-2.29/-2.88	-3.02/-2.87	-2.09/-1.33	-2.22/-0.98	1.34/-1.62	-0.53/-2.03	-0.69/0.62	1.68/-1.03	-0.38/-0.08	-0.60/-1.62	-1.18/-1.35	-0.12/-0.42	-0.37/0.43	-1.60/0.62	1.89/-0.80	-3.96/-1.15	-0.54/-0.31	1.85/2.78	2.38/-2.64	1.64/-1.81	2.33/-2.72	1.96/0.75
Θ (52.5°)	2.99/-1.42	0.48/0.29	0.92/-0.98	-2.47/-3.00	-0.61/-0.59	-0.99/0.92	2.83/-1.06	-0.57/-0.29	1.74/-1.18	3.40/-7.25	0.13/-2.69	-1.55/0.01	-0.21/-1.44	0.18/0.85	0.33/-1.58	-0.29/-1.37	1.04/-0.91	-2.44/-1.78	-1.64/-0.05	2.27/2.48	2.33/-1.24	0.38/0.31	1.79/-2.92	4.69/3.91
Θ (60°)	-1.75/-2.81	-1.62/0.63	2.83/-1.22	0.71/0.02	0.70/-1.48	0.75/-1.48	2.38/2.00	0.73/-0.65	0.56/-0.04	3.37/-2.22	3.69/-2.45	-0.29/-1.92	1.26/2.86	0.91/0.99	1.29/2.05	1.26/2.38	0.89/-1.88	-2.68/-1.12	-0.83/0.51	2.90/-0.31	-1.33/-0.78	1.22/-2.91		
Θ (67.5°)	-1.46/-3.74	0.07/-2.31	4.35/-1.53	2.27/-2.78	2.01/-1.92	0.25/-2.24	3.71/-2.																	



Antenna Pattern_Radio 4_6GHz

Appendix J

Θ(60°)	2.75/1.65	-0.06/1.44	1.05/3.22	3.54/1.22	-0.03/1.13	1.69/1.99	2.22/2.62	3.08/3.35	2.54/0.85	0.70/2.62	2.92/0.09	1.98/3.59	3.18/1.75	2.35/3.88	2.59/0.20	0.22/1.20	1.81/1.11	0.67/0.03	0.69/1.26	1.74/1.04	-2.03/-0.87	-0.36/-1.24	-4.64/-11.92	-9.74/-0.96
Θ(67.5°)	3.50/3.15	0.44/2.63	1.69/2.59	2.87/1.67	2.15/1.80	2.68/2.44	2.34/3.42	3.50/3.93	3.17/0.74	0.35/2.12	3.34/0.07	0.33/3.88	1.82/0.28	2.70/4.41	2.03/0.11	1.44/3.87	3.26/1.01	0.27/-3.17	-7.92/-4.45	-2.86/-2.60	-6.08/-4.20	-2.13/-2.79	-0.97/-2.16	-5.02/0.48
Θ(75°)	3.46/2.84	0.71/1.13	1.63/1.21	2.07/2.23	2.56/1.59	2.08/1.82	1.21/2.19	2.26/2.20	1.24/0.68	0.71/1.24	3.75/1.84	-1.19/1.48	2.10/-0.63	-0.33/3.37	1.67/0.35	0.35/3.37	3.23/0.72	1.42/0.23	-1.61/-4.60	-3.23/-1.13	-2.48/-3.95	-2.35/-0.45	2.55/0.84	-1.92/0.42
Θ(82.5°)	2.62/0.83	0.19/2.58	0.63/0.50	1.52/1.87	1.75/0.54	1.39/1.29	1.15/1.85	0.15/0.08	-1.31/-0.08	0.22/1.36	3.75/0.40	-1.86/1.16	-0.13/-3.70	0.25/2.05	-0.01/0.75	-1.01/-1.92	1.02/0.01	1.90/1.97	1.52/-1.82	-0.74/0.55	-0.79/-4.08	-3.94/0.09	3.10/0.81	-3.25/-0.78
Θ(90°)	1.48/-0.94	-0.99/1.79	-0.53/-2.19	-0.01/0.88	-0.07/-1.65	1.08/-0.92	-1.93/1.01	-1.13/-3.49	-3.31/-1.38	-0.29/-0.27	1.83/1.19	-4.81/-0.64	-0.53/-5.23	-3.62/-0.10	-1.00/-0.69	-2.43/-0.59	-1.49/-2.15	1.31/1.99	1.98/-1.62	0.26/-0.35	-0.37/-8.18	-7.05/-2.89	1.83/-0.86	-4.48/-3.32
Θ(97.5°)	-0.43/-1.87	-2.26/0.54	-2.73/-4.03	-1.29/-1.26	-2.30/-3.12	-0.29/-3.14	-3.90/-0.60	-2.34/-5.93	-3.83/-2.44	-1.83/-0.92	0.59/-0.34	-6.83/-2.63	-3.19/-8.26	-4.14/-2.40	-3.24/-1.48	-3.92/-6.69	-1.59/-0.47	-0.78/-4.35	-1.04/-4.19	-2.76/-13.12	-9.33/-4.69	-0.03/-2.87	-6.15/-5.30	
Θ(105°)	-2.15/-2.81	-3.78/-1.34	-4.64/-4.70	-3.52/-3.52	-6.02/-5.21	-2.99/-4.83	-4.04/-1.93	-5.55/-6.09	-3.95/-3.55	-2.88/-3.97	-0.80/-1.98	-6.45/-4.18	-5.68/-8.75	-9.52/-5.85	-4.07/-2.93	-5.49/-3.11	-3.77/-9.59	-5.25/-2.85	-5.04/-8.70	-5.38/-6.25	-8.84/-15.66	-13.91/-6.74	-3.51/-4.31	-8.10/-4.04
Θ(112.5°)	-4.84/-5.18	-5.09/-5.80	-8.39/-5.65	-6.07/-5.56	-7.94/-5.67	-6.01/-7.20	-6.57/-5.50	-7.32/-8.38	-5.83/-5.13	-5.04/-4.37	-7.67/-5.02	-8.19/-10.95	-13.60/-7.41	-9.15/-5.35	-5.81/-6.05	-7.40/-8.56	-7.04/-6.88	-7.72/-13.51	-7.95/-10.08	-13.75/-14.13	-12.49/-7.35	-7.15/-6.08	-9.38/-4.76	
Θ(120°)	-7.37/-9.91	-10.18/-12.06	-11.78/-8.74	-7.89/-8.77	-7.14/-7.38	-7.57/-8.77	-10.58/-8.22	-6.37/-10.04	-7.48/-5.89	-8.01/-5.98	-3.92/-3.65	-8.04/-7.03	-14.45/-9.12	-11.07/-9.24	-7.40/-8.44	-8.70/-4.53	-5.54/-11.29	-14.90/-10.92	-8.91/-12.60	-7.86/-9.77	-7.65/-9.14	-8.46/-7.23		
Θ(127.5°)	-11.89/-12.08	-13.68/-14.90	-13.42/-11.87	-11.84/-9.60	-9.87/-8.10	-11.47/-11.15	-8.21/-9.49	-12.46/-11.80	-9.67/-8.59	-8.56/-7.22	-4.68/-5.87	-10.75/-6.45	-7.19/-11.53	-13.17/-10.97	-10.64/-12.19	-12.59/-10.69	-7.23/-14.84	-14.58/-14.55	-6.39/-10.76	-14.13/-8.46	-13.84/-11.83	-8.70/-9.05	-8.31/-8.60	-10.19/-12.33
Θ(135°)	-14.87/-14.70	-15.07/-13.61	-14.00/-10.68	-12.84/-11.92	-10.86/-12.36	-9.54/-11.72	-11.06/-9.13	-8.90/-11.86	-11.83/-9.80	-10.61/-7.54	-6.80/-9.32	-10.59/-9.20	-8.13/-8.62	-15.33/-14.71	-11.45/-13.02	-14.96/-15.24	-12.57/-9.23	-14.95/-13.30	-8.84/-13.30	-11.11/-14.72	-15.47/-13.68	-10.08/-9.31	-11.42/-13.75	-11.04/-14.12
Θ(142.5°)	-13.08/-14.74	-13.05/-10.85	-13.01/-13.91	-15.57/-11.31	-9.71/-13.23	-12.76/-11.34	-10.94/-12.99	-13.02/-12.42	-13.62/-14.79	-13.21/-11.18	-10.86/-10.55	-12.25/-12.93	-12.93/-13.31	-11.57/-14.47	-15.24/-14.08	-13.88/-15.00	-11.87/-12.33	-11.73/-15.73	-12.61/-12.37	-14.15/-15.56	-12.24/-15.06	-12.07/-11.42	-13.79/-14.88	-14.06/-15.47
Θ(150°)	-13.48/-10.96	-11.97/-12.87	-15.31/-13.00	-11.80/-11.31	-11.50/-13.63	-13.36/-11.84	-9.85/-10.44	-11.50/-10.86	-10.87/-12.37	-12.62/-13.86	-13.74/-14.84	-15.31/-15.64	-12.99/-12.47	-13.89/-14.81	-14.54/-13.68	-13.48/-15.20	-14.13/-13.75	-15.20/-15.65	-14.80/-15.71	-14.69/-12.58	-15.17/-15.80	-15.32/-15.24	-13.67/-12.19	-11.81/-13.36
Θ(157.5°)	-14.73/-12.94	-12.26/-11.80	-12.75/-13.19	-11.20/-13.03	-14.55/-10.45	-12.84/-11.89	-11.44/-10.66	-13.80/-14.79	-13.81/-13.47	-11.66/-10.90	-12.85/-15.41	-15.80/-13.40	-12.97/-10.90	-11.64/-14.72	-12.49/-15.66	-15.12/-14.09	-15.12/-15.25	-13.43/-12.48	-13.97/-14.25	-15.03/-15.27	-15.81/-15.32	-15.01/-15.32	-14.51/-15.32	
Θ(165°)	-13.79/-12.91	-13.77/-14.80	-14.89/-14.53	-14.05/-12.85	-14.89/-15.57	-14.65/-15.35	-14.40/-14.65	-15.05/-15.81	-14.97/-15.90	-15.71/-14.89	-15.27/-15.90	-12.63/-10.68	-12.31/-10.31	-12.58/-14.04	-15.61/-14.53	-11.31/-11.91	-13.90/-14.80	-15.45/-14.30	-15.86/-13.93	-11.82/-11.61	-12.71/-12.91	-12.93/-14.80	-14.53/-14.46	-13.69/-15.15
Θ(172.5°)	-14.74/-12.60	-13.90/-13.26	-12.35/-11.78	-12.06/-13.85	-14.14/-13.79	-14.28/-14.11	-13.14/-12.24	-12.97/-15.02	-14.51/-15.62	-13.68/-15.69	-15.58/-14.23	-13.56/-13.64	-15.91/-15.08	-15.72/-16.09	-13.50/-13.37	-12.34/-12.60	-14.14/-15.40	-15.90/-14.98	-15.24/-15.21	-15.59/-13.78	-13.23/-14.54	-14.65/-16.03	-15.58/-14.51	-14.89/-15.20
Θ(180°)	-14.63/-12.88	-14.48/-15.78	-15.60/-15.78	-15.32/-15.08	-15.15/-14.44	-14.13/-13.39	-13.03/-15.66	-15.66/-14.66	-13.57/-12.40	-13.63/-14.99	-14.40/-13.93	-13.13/-13.44	-14.40/-14.72	-14.63/-14.14	-14.95/-14.94	-13.89/-13.95	-15.56/-16.00	-14.67/-15.13	-13.91/-13.90	-15.39/-12.72	-12.64/-13.98	-13.93/-14.24	-15.71/-15.72	-14.64/-14.95
Freq(Hz)	6.475GPol.	TotalAnt.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)Φ(7.5°)	Φ(15°)Φ(22.5°)	Φ(30°)Φ(37.5°)	Φ(45°)Φ(52.5°)	Φ(60°)Φ(67.5°)	Φ(75°)Φ(82.5°)	Φ(90°)Φ(97.5°)	Φ(105°)Φ(112.5°)	Φ(120°)Φ(127.5°)	Φ(135°)Φ(142.5°)	Φ(150°)Φ(157.5°)	Φ(165°)Φ(172.5°)	Φ(180°)Φ(187.5°)	Φ(195°)Φ(202.5°)	Φ(210°)Φ(217.5°)	Φ(225°)Φ(232.5°)	Φ(240°)Φ(247.5°)	Φ(255°)Φ(262.5°)	Φ(270°)Φ(277.5°)	Φ(285°)Φ(292.5°)	Φ(300°)Φ(307.5°)	Φ(315°)Φ(322.5°)	Φ(330°)Φ(337.5°)	Φ(345°)Φ(352.5°)
Θ(0°)	-2.74/-2.64	-2.39/-2.17	-2.02/-2.10	-2.25/-1.82	-1.51/-0.92	-1.04/-1.43	-0.79/-0.77	-1.30/-0.84	-0.92/-1.06	-1.02/-1.27	-1.08/-0.99	-1.14/-1.51	-1.92/-2.06	-2.08/-2.18	-2.42/-2.24	-2.31/-2.18	-2.45/-2.48	-2.36/-2.62	-2.57/-2.60	-3.05/-2.30	-2.56/-2.28	-2.09/-3.04	-1.91/-1.88	-2.74/-2.42
Θ(7.5°)	-1.74/-1.95	-1.88/-2.12	-2.73/-2.92	-3.34/-3.81	-4.53/-4.55	-4.27/-5.29	-5.05/-4.12	-4.87/-4.09	-3.23/-3.66	-2.89/-2.58	-2.62/-2.03	-1.84/-2.38	-2.80/-2.84	-2.49/-2.11	-2.02/-2.00	-1.82/-1.50	-1.46/-2.23	-2.32/-1.79	-2.32/-2.39	-1.76/-1.83	-1.31/-1.41	-1.04/-0.91	-1.23/-1.70	-0.75/-1.51
Θ(15°)	-0.04/-0.88	-1.67/-2.79	-3.79/-4.42	-5.00/-4.80	-4.25/-4.58	-5.30/-6.23	-8.69/-10.51	-11.82/-11.22	-10.78/-8.85	-7.62/-7.99	-6.91/-5.62	-5.99/-6.44	-6.69/-6.21	-5.64/-4.77	-3.78/-3.50	-3.88/-4.13	-4.37/-5.47	-6.21/-5.69	-5.75/-5.25	-3.85/-2.44	-1.62/-0.41	-0.32/0.12	0.58/0.23	0.62/-0.16
Θ(22.5°)	1.73/0.60	-0.91/-3.09	-4.97/-3.44	-3.01/-2.08	-1.32/-1.28	-1.55/-2.31	-4.52/-8.19	-11.69/-11.03	-9.43/-6.27	-4.41/-3.77	-2.79/-2.56	-2.91/-3.50	-4.28/-4.91	-2.40/-1.96	-1.12/-1.60	-1.21/-1.57	-1.61/-1.57	0.44/0.29	-0.68/-1.43	-1.83/-1.18	0.01/0.25	1.17/1.25	1.94/1.65	
Θ(30°)	1.25/0.28	-1.85/-5.03	-4.20/-2.28	-1.76/-2.66	-2.98/-1.96	-1.69/-2.47	-4.34/-6.44	-5.60/-2.55	-2.00/-1.18	-0.68/-1.30	-0.88/-1.62	-0.64/0.03	-1.26/-3.47	-5.01/-2.55	0.10/1.31	0.92/0.75	1.25/1.09	-0.20/-0.60	0.75/2.09	1.47/0.57	-0.12/-0.26	-3.49/-3.76	-2.26/-1.07	0.86/2.14
Θ(37.5°)	0.53/-1.54	-2.88/-4.72	-3.25/-0.36	-0.55/-3.12	-3.62/-2.23	-2.22/-4.46	-6.32/-3.01	-1.49/0.38	2.06/1.21	1.78/0.94	0.17/0.59	-0.00/0.17	0.43/-1.50	-4.41/-3.17	0.16/1.99	1.95/1.82	0.95/-1.51	-3.20/-1.50	0.91/3.04	4.17/3.79	3.25/3.10	2.85/1.17	-1.40/-0.88	0.28/1.27
Θ(45°)	2.10/-0.68	-1.79/-2.47	-0.44/-2.05	0.98/-3.86	-6.34/-4.21	-3.40/-2.36	-0.78/0.11	0.83/-1.26	1.80/-1.32	1.73/-1.52	0.75/0.99	0.83/-1.94	1.66/0.17	-1.23/-2.14	1.28/1.97	-0.24/-1.80	-2.78/-3.61	-1.07/2.55	3.94/3.53	2.73/2.34	1.64/-1.33	1.28/0.43	0.56/0.48	2.38/2.85
Θ(52.5°)	0.92/-1.82	-1.99/-0.07	2.10/3.55	-0.36/-1.57	-2.53/-1.28	-0.96/-1.57	2.27/2.22	2.89/2.83	1.95/0.51	-0.91/1.17	1.24/0.15	0.73/2.17	1.79/1.05	0.62/1.77	2.29/0.99	-2.04/-3.55	-2.55/-1.58	1.41/4.09	4.92/2.86	0.24/0.06	1.22/3.00	3.38/2.79	1.25/-0.38	0.44/-1.96
Θ(60°)	1.59/-0.41	-0.98/2.00	3.06/3.63	1.03/1.03	0.93/1.44	1.86/1.99	2.86/3.92	3.53/3.32	3.43/2.66	1.69/1.36	2.91/2.58	-0.16/1.98	3.63/3.43	1.04/2.55	2.35/1.78	0.06/0.04	1.14/-0.70	-1.29/0.52	2.39/1.51	0.82/0.41	1.30/1.78	1.58/0.50	-3.02/-5.16	-4.59/0.04
Θ(67.5°)	3.31/1.25	1.73/3.25	2.55/3.75	1.88/2.86	1.44/1.55	1.31/1.96	3.47/2.93	2.28/2.19	2.27/4.31	3.55/2.01	3.88/3.51	0.87/2.89	3.38/1.63	1.44/2.84	2.41/2.50	1.40/2.46	3.14/1.38	-1.80/-6.32	-7.05/-2.71	-1.91/-3.73	-4.13/-1.44	-1.08/-1.05	-4.11/-3.43	-5.16/1.23
Θ(75°)	3.88/1.75	3.04/3.44	1.35/3.24	2.84/2.98	1.41/1.67	1.49/0.69	2.32/2.47	2.17/0.21	0.89/3.69	4.02/3.17	2.40/4.63	0.98/2.02	3.10/2.04	1.42/1.55	2.04/2.61	2.53/3.34	3.67/1.98	1.64/1.08	-6.52/-9.02	-6.61/-1.99	-2.58/-2.42	-0.62/1.16	1.11/-0.51	-2.58/2.12
Θ(82.5°)	2.92/1.46	2.43/2.85	0.46/2.50	1.93/1.49	0.12/0.82	-0.17/0.62	2.49/1.07	0.78/0.26	0.59/3.46	4.04/1.90	1.68/2.26	-0.14/1.73	2.74/1.75	-0.09/1.88	0.34/1.41	2.68/3.19	2.61/0.82	1.50/-1.03	-1.00/-1.68	-3.58/-0.59	0.15/-3.54	-1.30/0.72	1.97/-0.66	-2.12/1.61
Θ(90°)	0.18/0.40	0.48/1.51	-0.93/0.84	0.62/-0.39	-1.15/0.46	-1.61/-1.49	2.59/0.86	-0.97/0.66	0.40/2.43	3.19/1.63	-1.35/-1.73	-1.07/-1.97	1.72/0.64	-0.19/-0.16	-1.58/0.91	1.70/0.39	-0.41/-0.63	1.73/1.13	0.54/-4.48	-1.88/-0.57	-0.36/-5.41	-5.49/-0.77	1.19/-1.37	-3.59/0.44
Θ(97.5°)	-1.88/-2.21	-0.82/-1.12	-2.05/-0.35	-1.85/-2.63	-2.38/-1.38	-3.33/-0.29	1.31/-0.45	-3.44/0.48	-0.36/0.86	1.88/-0.42	-1.93/-0.78	-3.27/-1.97	-0.45/-1.09	-2.58/-2.16	-3.54/-0.69	-1.11/-1.63	-2.56/-3.29	-0.47/0.11	-0.58/-6.05	-3.53/-4.30	-1.98/-9.29	-6.74/-2.55	-0.78/-4.46	-6.64/-2.83
Θ(105°)	-3.23/-3.51	-2.03/-3.86	-4.02/-3.08	-4.07/-3.44	-3.37/-3.21	-5.56/-1.68	-1.05/-3.13	-4.31/-0.93	-2.04/-0.76	0.83/-0.73	-3.82/-1.67	-3.98/-5.30	-2.67/-6.71	-5.79/-2.32	-4.49/-5.90	-4.10/-5.84	-3.93/-1.90	-6.77/-3.35	-4.72/-12.12	-10.44/-5.58	-5.46/-6.46	-6.45/-6.98		
Θ(112.5°)	-3.54/-5.91	-4.08/-6.65	-6.26/-5.51	-5.93/-4.55	-5.51/-6.71	-5.95/-4.20	-5.21/-6.66	-3.8																

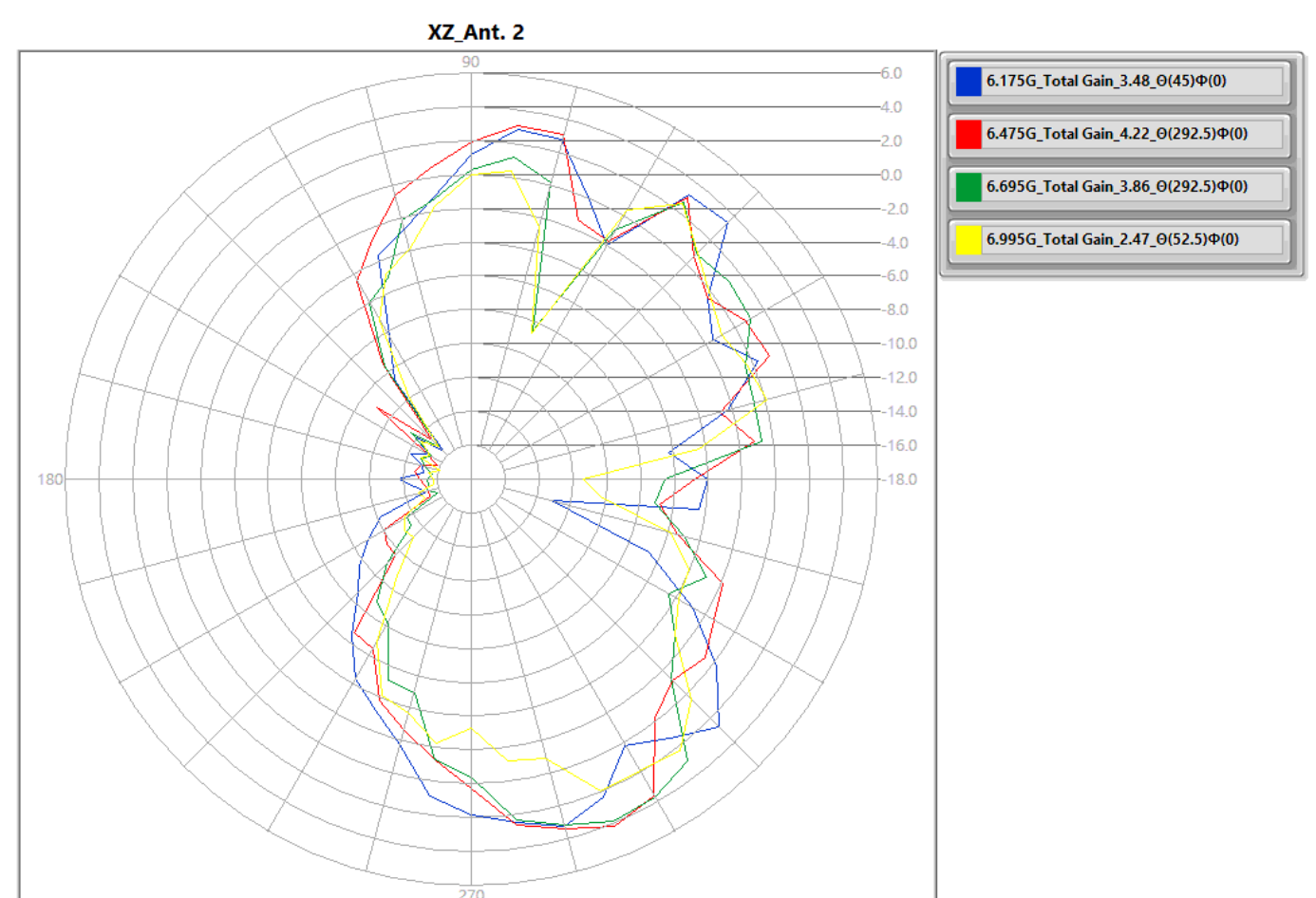
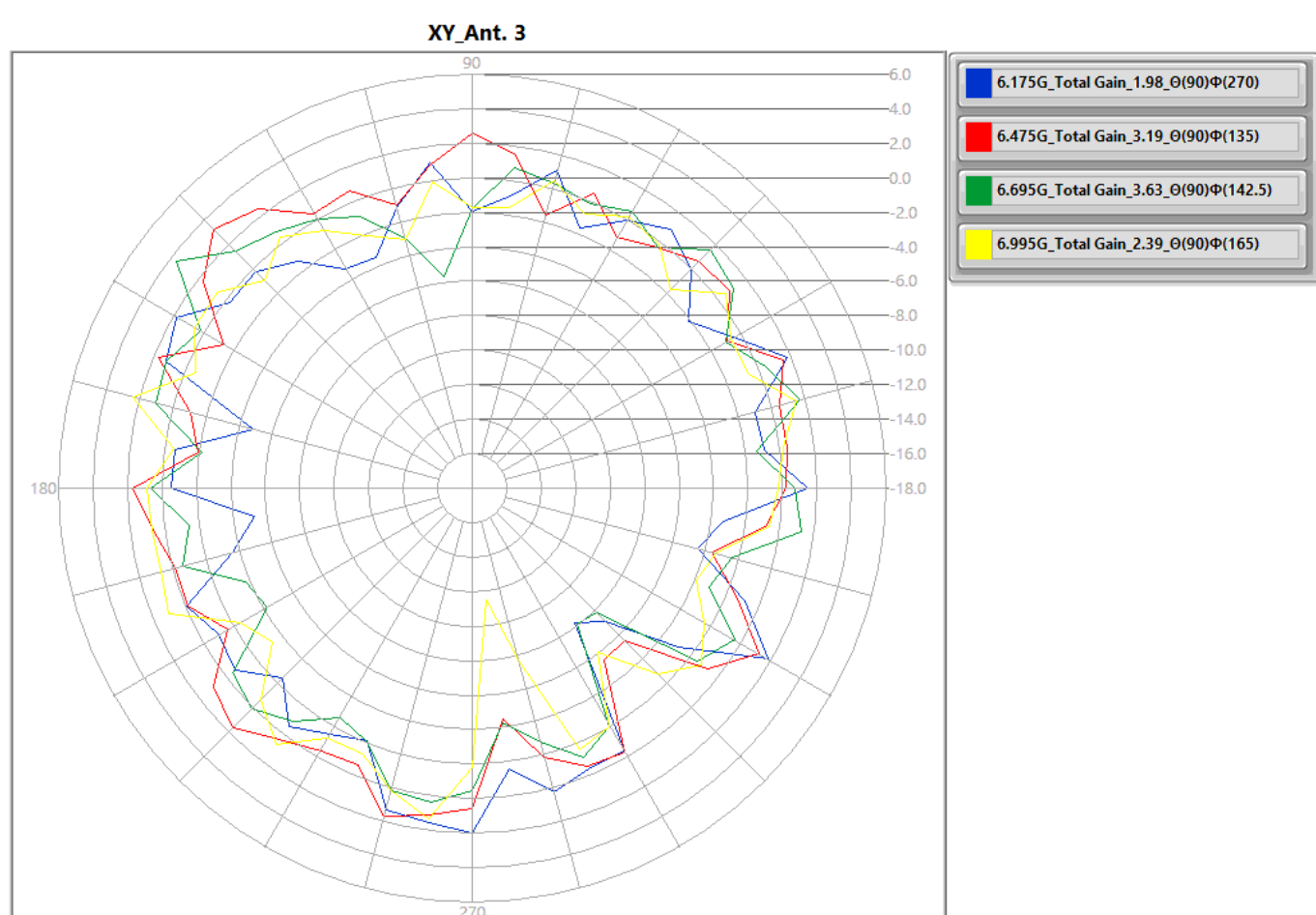
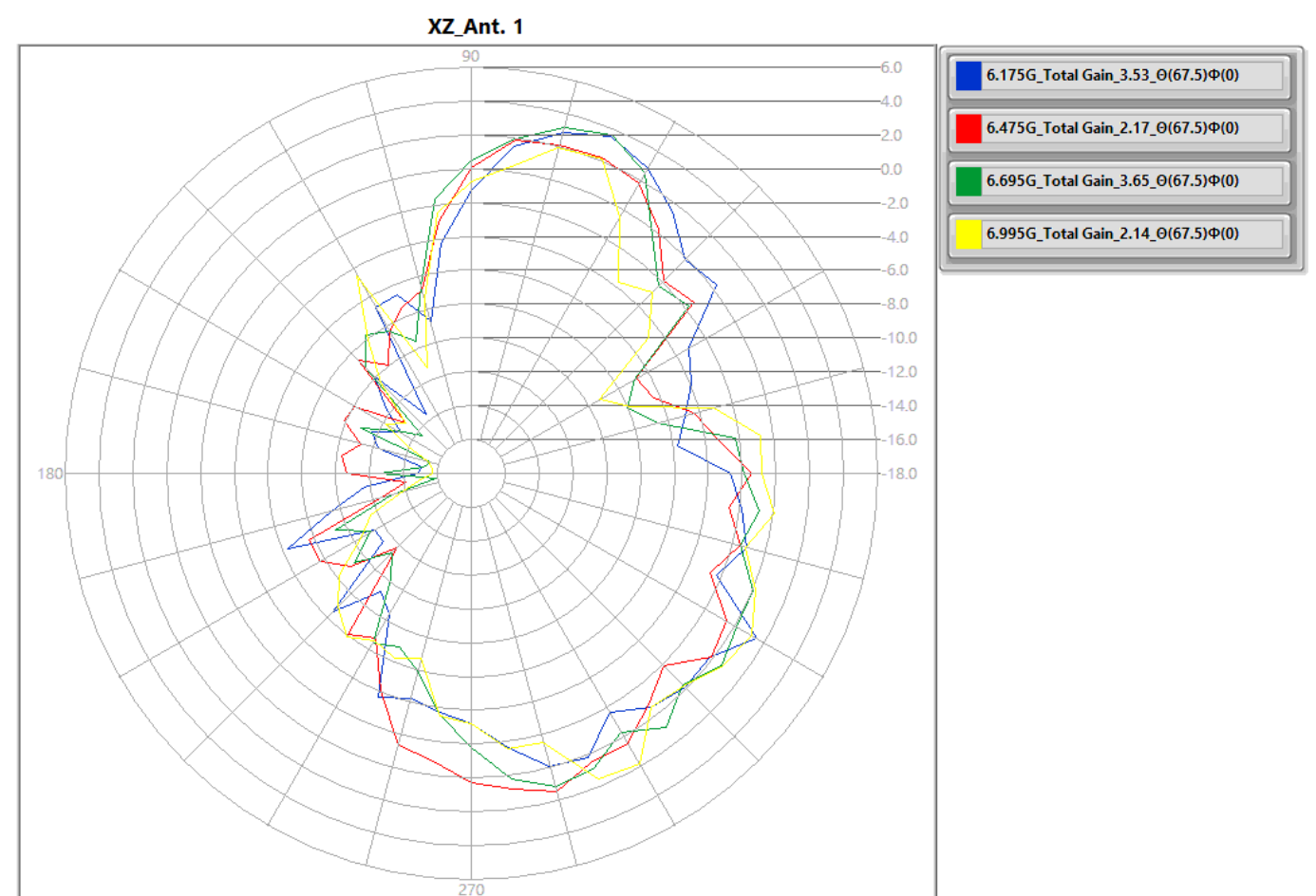
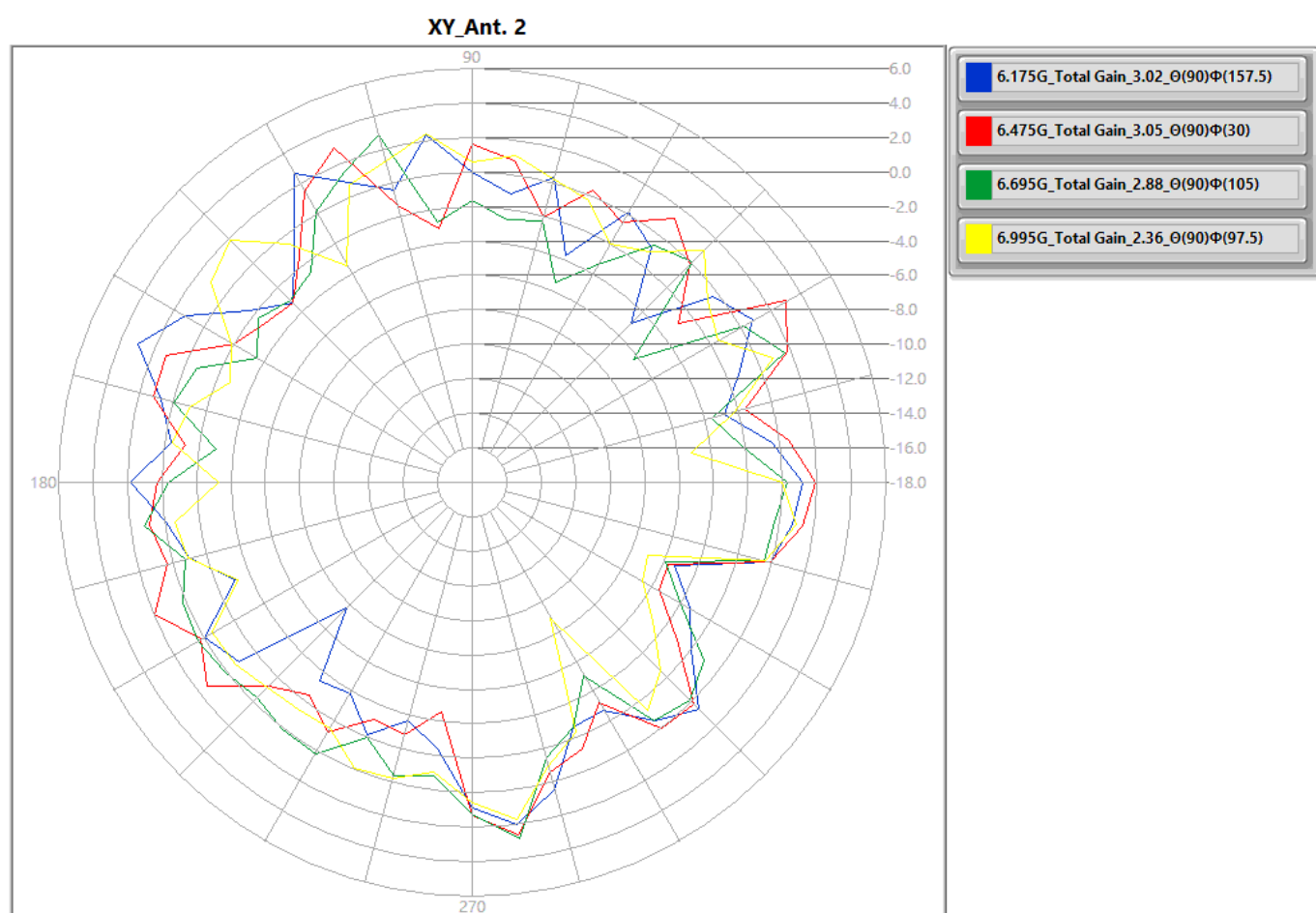
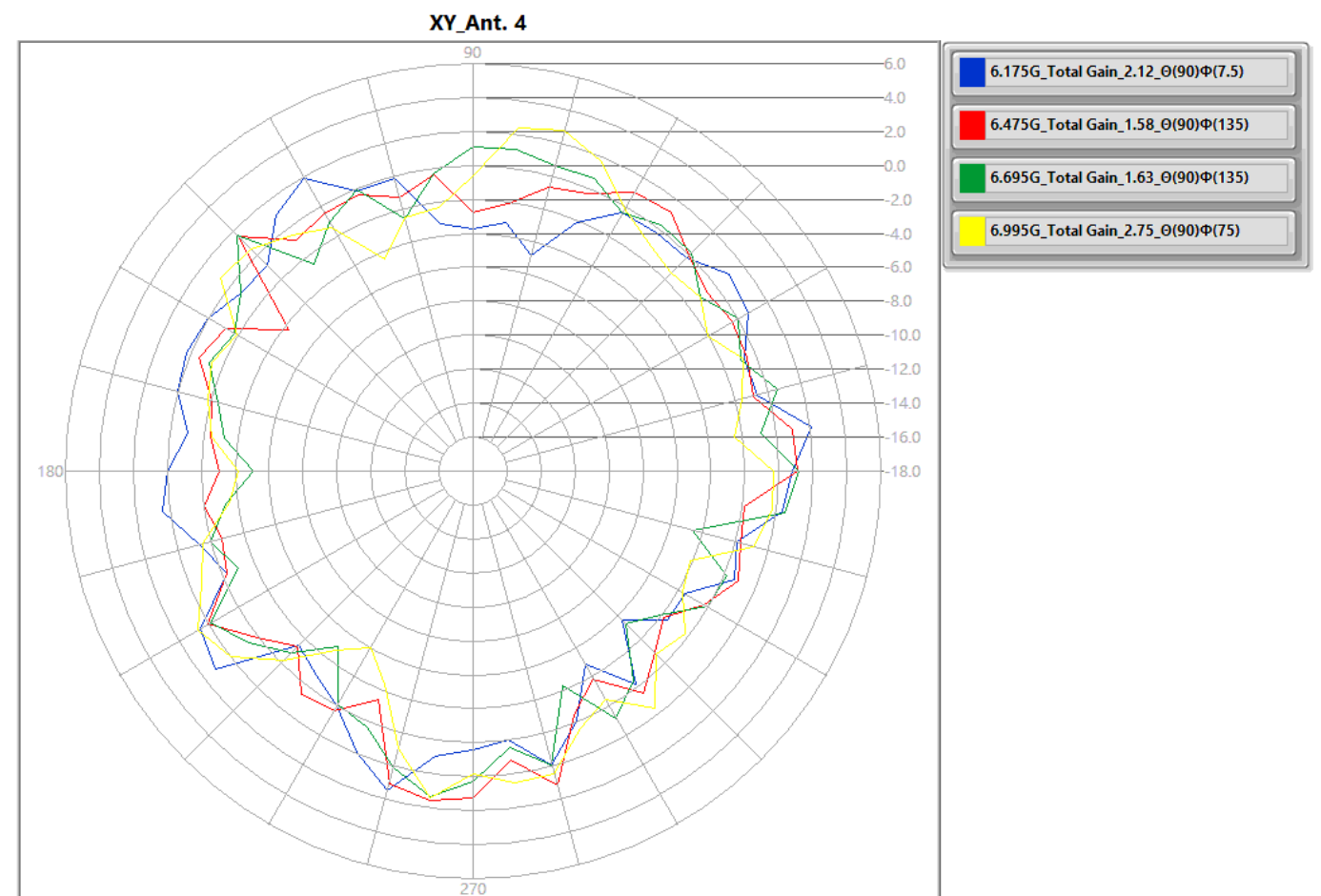
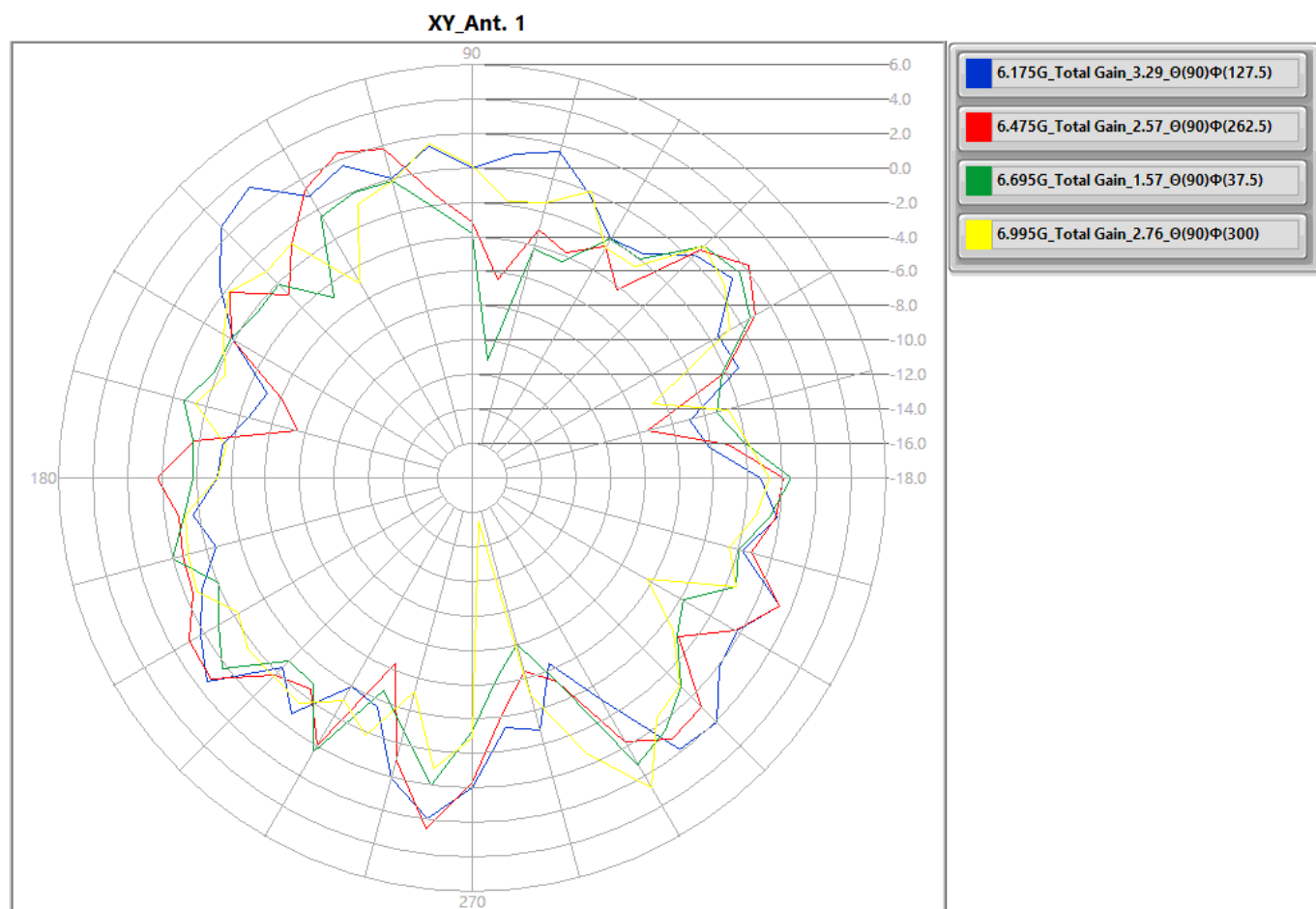


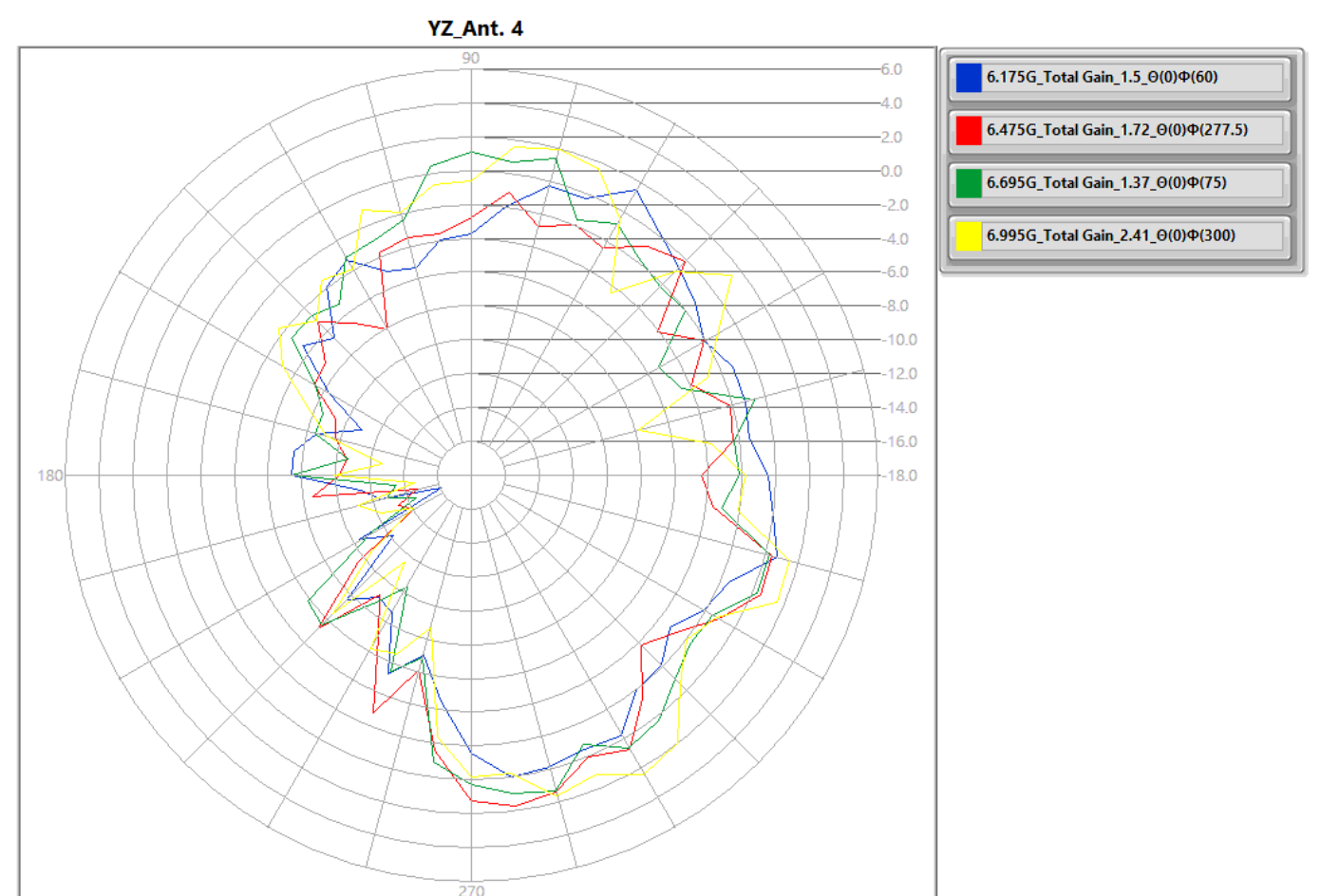
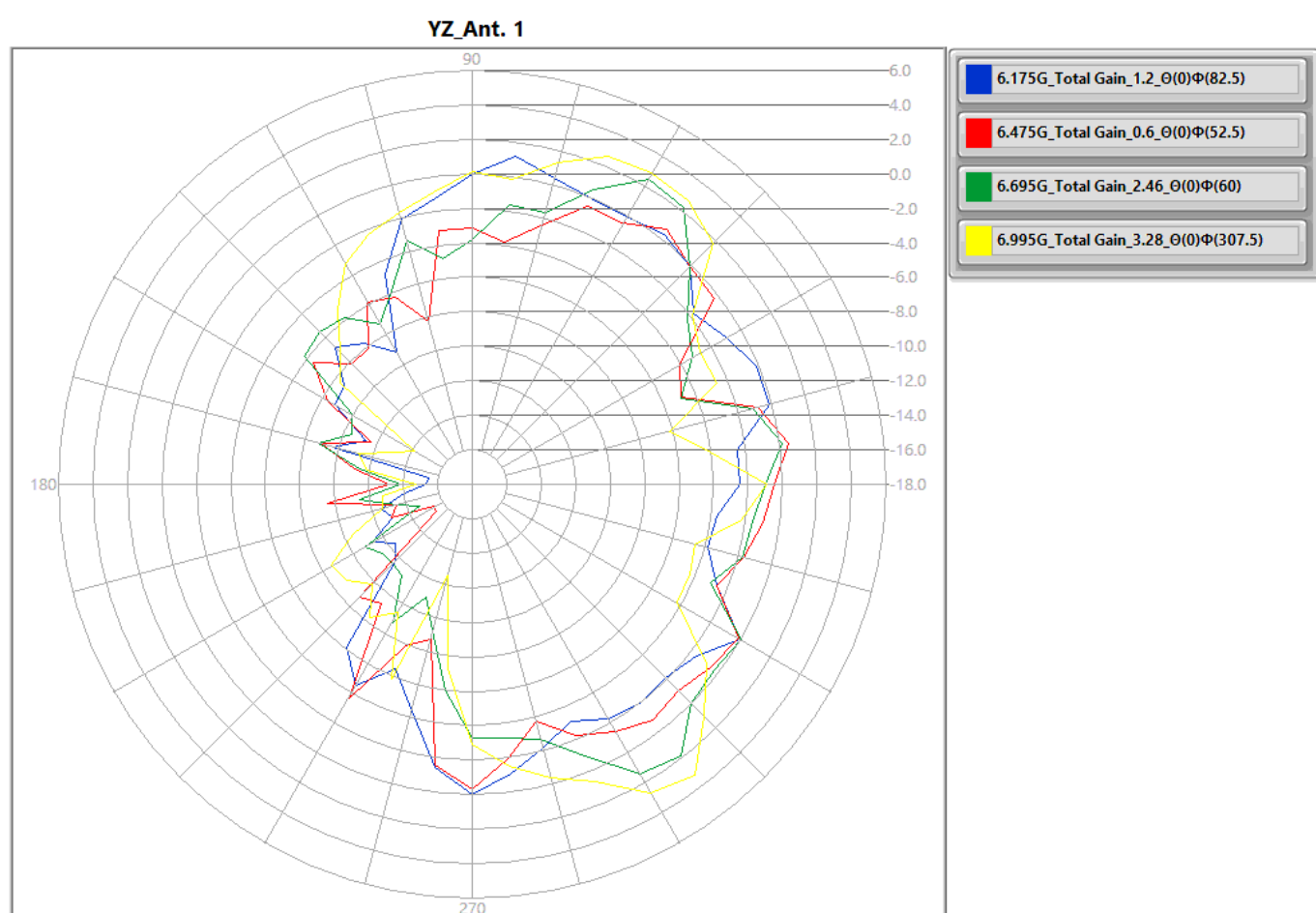
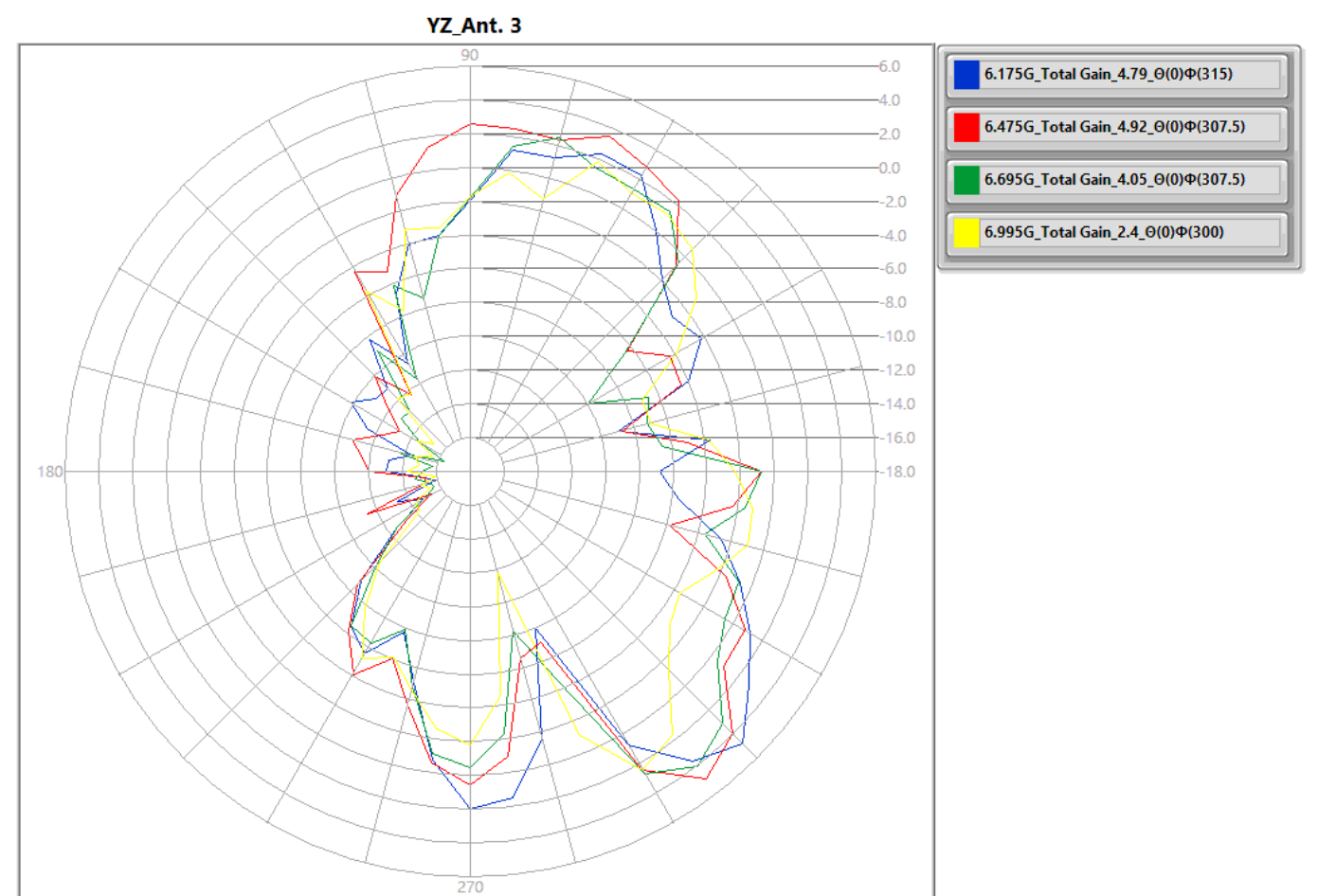
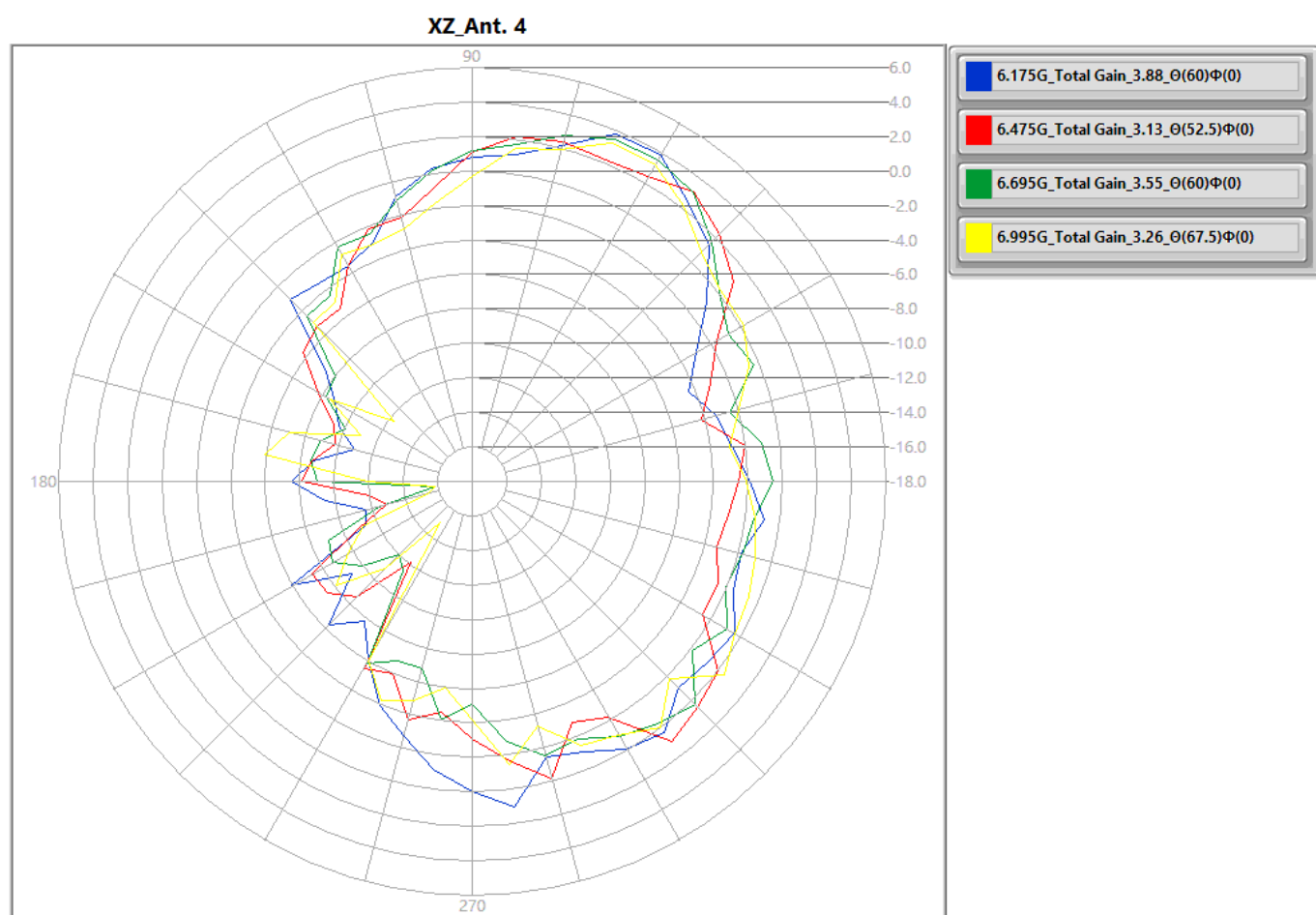
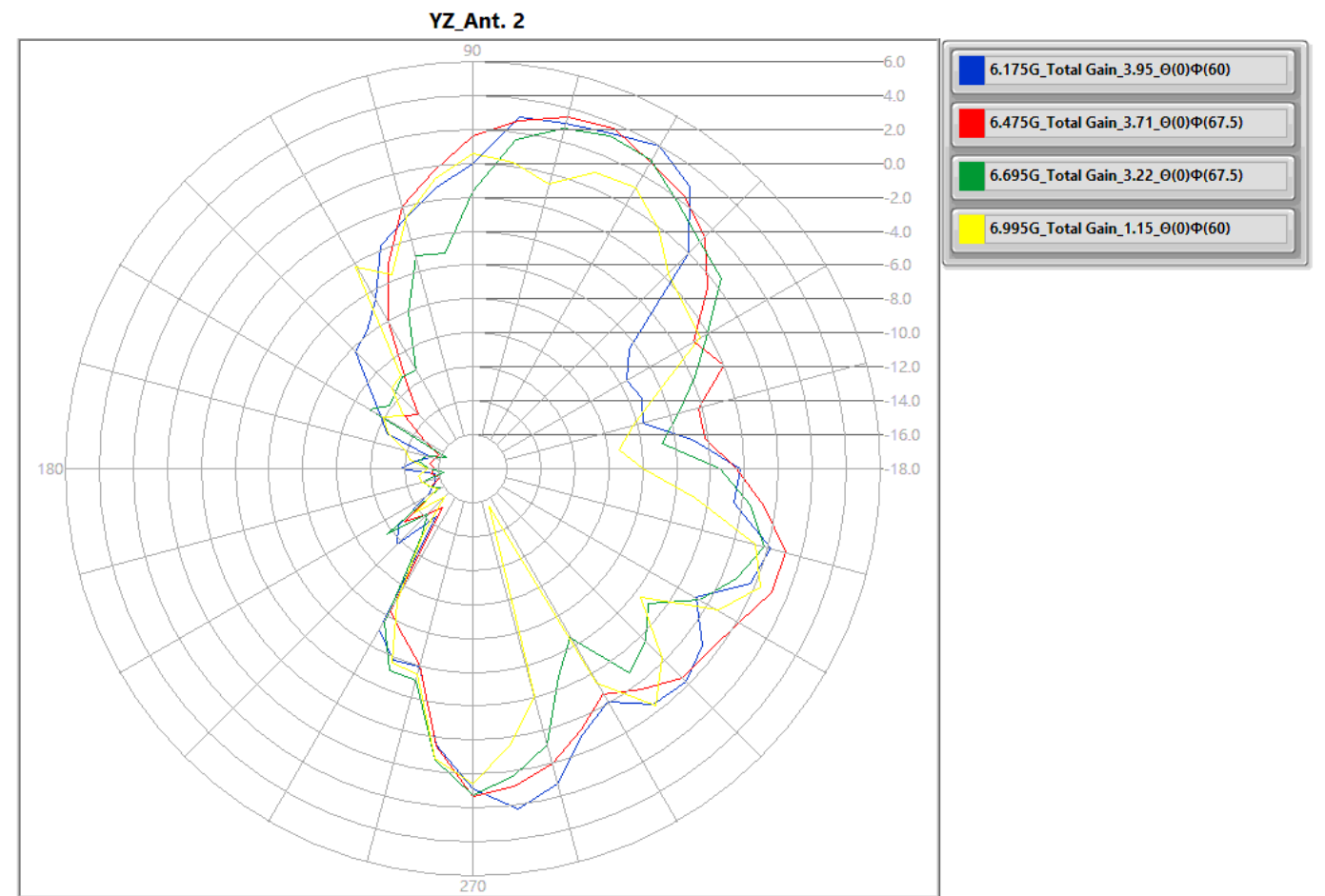
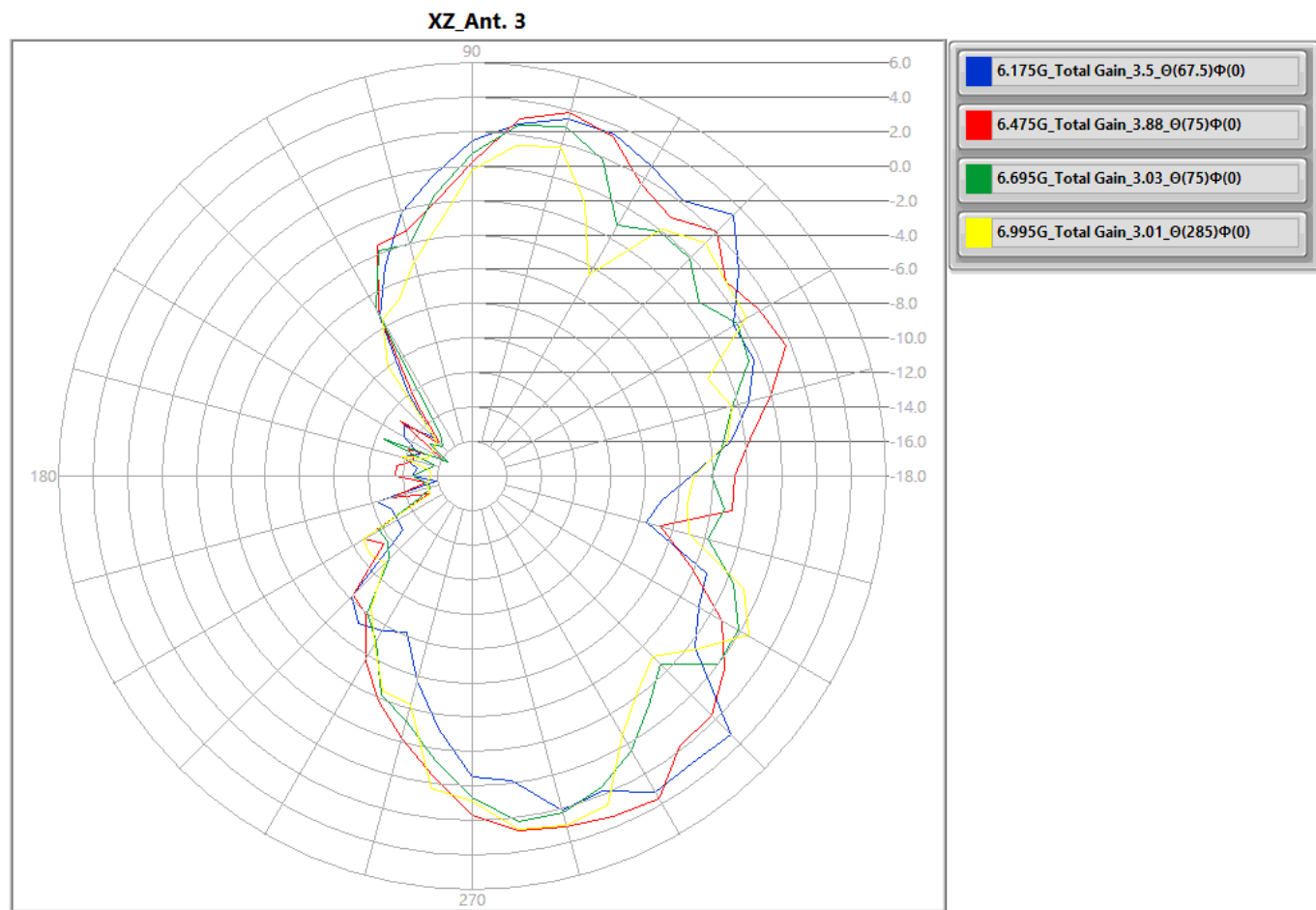
Antenna Pattern_Radio 4_6GHz

Appendix J

Θ(105°)	-0.900.32	-2.15/-2.89	-1.84/-0.79	-1.57/-0.77	-2.85/-5.37	-3.92/-2.41	-5.27/-5.59	-3.10/-0.59	-0.64/-1.46	-1.71/-2.01	-0.81/-1.81	-0.69/-3.31	-2.72/-2.99	-6.43/-4.81	-3.47/-1.44	-5.89/-9.50	-7.50/-5.14	-5.86/-5.54	-6.98/-4.95	-6.26/-6.48	-7.82/-4.28	-8.72/-10.79	-5.96/-4.60	-3.33/-2.57
Θ(112.5°)	-2.96/-1.56	-2.85/-2.87	-2.54/-1.68	-2.38/-1.36	-4.81/-6.56	-2.51/-3.02	-5.00/-5.14	-4.21/-2.59	-2.41/-1.28	-1.82/-1.72	-2.47/-2.78	-2.80/-3.69	-3.95/-5.49	-5.72/-9.38	-2.70/-3.54	-4.13/-6.47	-8.02/-6.17	-7.89/-3.68	-5.28/-5.57	-9.92/-5.81	-8.98/-11.31	-9.42/-10.93	-7.38/-6.06	-4.30/-5.04
Θ(120°)	-3.55/-1.31	-3.90/-1.90	-1.99/-2.67	-4.57/-3.32	-5.77/-6.00	-3.89/-4.35	-3.35/-8.09	-6.64/-3.68	-4.29/-2.57	-2.11/-1.69	-4.25/-3.66	-5.13/-4.79	-5.95/-7.60	-7.06/-10.34	-8.60/-6.21	-2.57/-5.76	-8.43/-5.84	-12.60/-7.75	-8.62/-6.91	-6.94/-15.28	-13.79/-7.11	-6.99/-7.87	-5.18/-3.68	-5.87/-2.89
Θ(127.5°)	-3.45/-1.90	-5.11/-4.99	-3.69/-2.73	-4.43/-5.39	-4.56/-4.92	-5.27/-4.59	-3.97/-5.22	-3.53/-5.03	-4.45/-4.59	-3.40/-2.87	-5.47/-4.63	-6.22/-7.69	-7.76/-6.79	-5.79/-9.13	-14.65/-12.34	-6.46/-5.31	-5.17/-10.00	-8.50/-9.64	-8.92/-12.16	-10.52/-12.99	-11.78/-9.29	-4.91/-5.21	-4.56/-3.42	-4.06/-3.01
Θ(135°)	-3.06/-4.29	-8.55/-4.09	-3.36/-4.66	-4.42/-6.93	-4.94/-4.31	-4.70/-4.66	-6.53/-6.66	-7.87/-5.59	-4.30/-5.36	-4.29/-2.80	-4.77/-5.14	-5.77/-5.86	-6.20/-5.90	-6.90/-9.00	-7.39/-13.62	-11.90/-10.17	-7.85/-11.75	-8.33/-5.94	-7.61/-6.37	-12.81/-15.68	-8.79/-8.47	-5.92/-8.14	-6.62/-3.60	-3.18/-6.41
Θ(142.5°)	-7.22/-4.52	-4.18/-5.51	-5.67/-7.30	-5.94/-5.50	-4.37/-4.40	-4.04/-5.52	-5.41/-6.15	-5.31/-5.53	-6.93/-5.42	-4.57/-4.88	-5.31/-3.79	-4.55/-6.54	-9.20/-8.02	-6.43/-7.41	-8.78/-9.06	-12.06/-11.67	-11.17/-11.70	-14.49/-14.49	-12.16/-13.28	-8.49/-8.14	-9.24/-8.03	-11.61/-7.33	-6.45/-6.32	-5.07/-4.67
Θ(150°)	-8.84/-9.52	-10.67/-6.87	-5.56/-6.79	-6.49/-4.43	-5.11/-5.82	-8.60/-8.37	-8.33/-5.29	-5.58/-5.70	-8.11/-7.78	-6.21/-6.37	-7.12/-7.74	-6.19/-4.80	-5.93/-9.44	-8.52/-10.69	-8.79/-9.81	-15.62/-8.45	-8.42/-8.74	-9.03/-9.36	-10.38/-10.33	-7.36/-9.13	-12.13/-14.13	-11.77/-10.10	-8.63/-8.45	-9.42/-8.04
Θ(157.5°)	-9.64/-8.43	-7.24/-6.77	-6.22/-7.53	-7.90/-7.98	-6.71/-8.62	-9.08/-9.11	-10.99/-9.38	-9.51/-6.48	-6.84/-8.69	-10.47/-11.08	-8.12/-9.77	-10.10/-9.31	-11.32/-13.82	-9.86/-11.21	-15.33/-15.76	-10.96/-10.39	-11.60/-14.38	-12.33/-12.01	-16.11/-12.19	-10.21/-11.07	-15.23/-15.14	-12.99/-8.52	-7.53/-7.94	-8.89/-10.94
Θ(165°)	-10.91/-11.56	-10.45/-8.98	-8.56/-8.64	-9.01/-8.43	-9.00/-9.30	-7.68/-9.09	-8.55/-8.90	-9.83/-11.12	-10.13/-8.69	-9.96/-11.11	-11.45/-14.72	-15.36/-11.80	-11.58/-13.03	-11.53/-9.07	-9.54/-10.47	-10.61/-13.60	-14.95/-12.76	-11.61/-11.90	-12.47/-12.31	-13.53/-15.06	-13.45/-13.68	-12.29/-9.51	-9.19/-8.08	-8.19/-7.49
Θ(172.5°)	-8.68/-7.78	-7.74/-8.11	-8.22/-8.41	-7.03/-7.02	-7.74/-7.70	-7.55/-7.92	-7.46/-8.17	-8.10/-8.43	-8.19/-8.30	-8.04/-10.70	-14.36/-15.89	-12.75/-9.55	-9.38/-11.34	-12.76/-12.67	-14.37/-14.75	-15.20/-14.51	-11.64/-10.73	-12.05/-11.03	-11.44/-12.86	-11.22/-11.23	-11.77/-12.43	-11.51/-12.69	-12.04/-10.40	-10.76/-9.56
Θ(180°)	-7.51/-9.31	-8.17/-8.14	-8.26/-8.35	-7.83/-7.42	-8.18/-7.25	-7.37/-7.78	-7.35/-6.68	-6.33/-6.69	-6.88/-7.03	-8.43/-9.95	-9.57/-9.45	-7.71/-7.96	-8.60/-7.41	-6.73/-6.82	-6.36/-5.51	-5.66/-5.26	-4.76/-5.42	-5.88/-5.53	-5.21/-5.33	-5.09/-6.65	-6.45/-6.81	-6.03/-7.01	-6.96/-6.11	-5.86/-6.96
Freq(Hz)	6.475GPol.	Total/Ant. 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	-2.53/-3.23	-3.83/-3.92	-4.16/-3.83	-5.28/-4.93	-5.24/-5.23	-5.19/-5.09	-4.43/-3.56	-4.24/-4.57	-4.48/-3.89	-3.50/-3.56	-4.15/-4.29	-4.04/-3.31	-3.16/-2.86	-3.14/-3.43	-2.98/-3.66	-3.11/-2.30	-2.98/-4.24	-2.86/-2.89	-3.14/-2.98	-2.57/-2.05	-2.27/-1.76	-1.93/-1.81	-2.33/-2.20	-2.04/-2.17
Θ(7.5°)	-2.07/-1.88	-2.66/-3.15	-2.85/-2.51	-3.05/-3.03	-3.02/-2.42	-3.12/-2.61	-2.40/-2.46	-2.16/-1.93	-2.28/-2.05	-2.16/-2.31	-2.62/-2.82	-3.08/-2.93	-3.03/-3.27	-2.49/-2.88	-3.56/-3.36	-2.79/-2.96	-3.16/-3.06	-3.18/-3.43	-3.59/-4.44	-4.12/-4.71	-3.05/-2.16	-2.46/-2.21	-2.91/-1.90	
Θ(15°)	-4.25/-3.72	-4.49/-5.01	-4.62/-3.81	-2.99/-3.15	-2.86/-2.65	-2.25/-2.91	-2.15/-1.89	-1.58/-2.01	-1.99/-2.07	-2.69/-2.92	-2.44/-2.37	-2.30/-2.40	-3.33/-3.35	-3.44/-3.16	-2.51/-2.22	-1.85/-1.23	-0.89/-0.45	-0.29/0.39	0.42/1.00	0.36/0.34	-0.37/-2.01	-3.16/-3.95	-3.79/-3.65	-4.01/-3.86
Θ(22.5°)	-3.02/-6.27	-1.69/-1.65	-1.48/-1.35	-1.18/-1.40	-2.12/-2.49	-2.60/-4.29	-3.95/-4.74	-3.33/-3.86	-1.23/-2.02	-0.08/-1.42	-1.96/-0.76	-0.10/-1.14	-2.52/-2.96	-1.75/-2.23	-4.43/-7.24	-5.83/-3.47	-2.48/-1.57	-0.66/-0.47	0.49/1.04	1.37/1.38	0.92/-0.44	-2.20/-3.69	-3.43/-4.17	-5.54/-3.42
Θ(30°)	-1.58/-1.20	-0.77/-0.29	0.10/0.04	-0.07/-0.47	-0.65/-0.84	-0.40/-0.85	-2.11/-2.35	-1.88/-1.78	-2.52/-2.41	0.13/0.36	-0.93/-0.48	-1.00/-0.63	-2.37/-3.18	-4.44/-4.39	-3.56/-3.45	-3.15/-2.28	-1.06/-0.89	-0.43/-0.22	0.90/0.45	-2.10/-3.63	-3.34/-3.07	-3.31/-1.71		
Θ(37.5°)	1.08/1.46	1.350.60	0.030.12	0.250.56	0.28/-0.37	-1.68/-2.52	-4.11/-3.38	-5.89/-3.05	-1.06/0.62	0.23/1.36	0.030.17	0.17/-1.03	0.02/-0.63	-2.29/-3.16	-4.13/-3.94	-4.88/-4.61	-4.58/-5.49	-5.07/-3.17	-2.74/-3.00	-2.06/-0.96	0.030.26	-2.45/-4.03	-1.64/-0.93	0.04/1.10
Θ(45°)	2.32/2.74	2.100.82	0.27/0.03	0.060.40	0.720.58	0.97/1.08	-0.11/-1.28	-0.87/-1.65	-0.37/0.16	0.17/1.98	1.50/0.13	-0.28/-0.17	0.520.48	-1.10/-0.66	-0.72/-0.81	-0.66/-1.15	-0.90/-0.65	-3.38/-3.77	-3.79/-3.54	-1.65/0.63	1.15/1.03	-1.15/-1.22	0.07/0.26	1.45/2.52
Θ(52.5°)	3.13/2.70	1.29/-0.03	-0.34/-0.75	0.020.65	2.12/2.18	1.03/1.76	0.15/-1.50	-0.96/-2.69	-3.70/-0.60	-0.42/1.39	2.02/1.19	1.73/0.93	-0.37/0.89	1.01/0.12	0.36/0.76	0.50/0.30	-0.75/-1.64	-0.49/-0.50	-2.26/-1.68	-1.35/-0.49	0.42/1.17	2.54/1.72	1.71/0.27	0.81/1.14
Θ(60°)	2.42/2.47	0.74/-1.15	0.030.45	0.790.48	2.23/2.18	1.13/-0.90	-2.49/-3.24	-2.16/-1.43	-0.74/0.18	2.10/2.51	0.31/0.76	0.67/-1.21	-2.20/-1.57	1.21/0.84	0.58/-1.35	-2.41/-1.36	0.18/0.08	-1.14/-0.01	0.74/0.84	1.35/1.65	1.87/2.23	2.27/1.68	1.69/1.10	0.79/1.95
Θ(67.5°)	2.15/2.12	0.280.42	1.11/1.72	0.36/1.70	1.91/0.57	-0.16/0.08	-1.98/-3.16	-1.45/-0.05	0.95/0.36	1.55/1.29	-0.49/0.30	-0.37/-2.82	-2.85/0.30	1.58/0.27	0.96/-0.34	-1.24/-2.02	-0.95/-2.42	-2.87/0.87	0.00/0.04	0.46/0.81	1.47/2.20	2.08/1.14	1.60/0.95	0.50/-1.41
Θ(75°)	2.42/2.07	0.790.42	1.44/0.97	0.95/2.23	2.21/1.17	0.15/-1.50	-2.78/-3.07	-2.08/-0.15	1.36/1.13	1.65/-0.13	-0.74/0.38	-1.02/-3.21	-0.17/-0.12	-0.09/0.14	1.95/0.88	-0.91/-1.38	-1.89/-4.76	-2.07/0.23	1.35/-0.90	-0.78/-1.18	0.32/1.20	0.63/0.43	0.94/0.60	-0.94/0.86
Θ(82.5°)	2.19/1.83	0.130.60	0.750.17	0.15/2.32	1.94/0.75	-0.30/-0.81	-1.17/-0.95	-2.67/-0.03	0.78/0.53	1.28/-2.19	-0.44/-0.22	-1.41/-2.27	-1.68/-1.09	-0.57/-0.57	0.91/0.13	-1.14/0.21	-2.57/-4.82	1.42/2.11	1.72/-1.09	0.31/-1.96	-1.35/0.51	-0.78/-1.50	-0.68/0.10	-0.80/-0.14
Θ(90°)	1.06/0.95	-0.95/-0.51	-0.37/-0.68	0.01/1.21	0.98/-0.32	-0.72/-2.08	-2.77/-0.38	-1.29/-0.35	-0.46/-8.09	1.58/-0.30	-1.19/-0.56	-2.06/-2.38	-3.08/-2.00	-2.68/-2.33	0.04/-1.94	-3.40/-1.41	-1.70/-3.46	1.08/-1.55	1.21/-0.81	1.19/-2.46	-3.83/-1.54	-2.86/-3.90	-2.29/-1.08	-1.67/-1.88
Θ(97.5°)	-0.83/-0.22	-2.27/-1.79	-1.42/-1.45	-0.10/-0.15	-0.30/-1.70	-1.26/-3.60	-3.61/-1.02	-1.68/-0.50	-1.43/-0.66	-0.43/-2.51	-3.47/-0.67	-2.00/-4.67	-4.51/-3.36	-4.80/-2.77	-1.65/-5.73	-3.00/-4.45	-3.14/-1.92	-1.55/-0.99	-1.12/-4.42	-2.67/-5.94	-5.00/-2.94	-2.37/-3.40		
Θ(105°)	-2.14/-1.61	-2.40/-2.61	-2.03/-2.57	-0.56/-1.66	-2.08/-2.24	-3.19/-5.29	-3.43/-2.54	-2.01/-1.61	-1.56/-1.32	0.58/-1.88	-3.88/-2.69	-2.33/-2.10	-3.68/-3.60	-7.06/-7.48	-2.62/-1.19	-6.05/-10.87	-6.71/-12.05	-7.60/-8.41	-6.04/-5.47	-8.79/-8.59	-4.33/-4.72	-8.61/-8.16	-6.58/-4.97	-3.58/-3.77
Θ(112.5°)	-2.18/-2.69	-3.68/-3.67	-3.01/-2.92	-2.09/-4.12	-3.61/-2.11	-4.87/-6.06	-3.74/-2.40	-3.59/-1.29	-1.10/-1.83	-0.85/-1.84	-3.11/-3.69	-3.61/-3.94	-5.94/-6.72	-5.64/-7.19	-4.02/-3.17	-5.76/-9.02	-7.79/-8.72	-5.73/-4.13	-2.79/-9.45	-8.85/-12.98	-5.41/-7.30	-7.44/-7.89	-5.38/-5.79	-4.97/-3.29
Θ(120°)	-3.56/-3.80	-4.16/-4.25	-4.97/-4.93	-3.32/-3.09	-4.29/-3.96	-3.45/-4.85	-8.07/-6.04	-3.27/-3.82	-2.57/-2.76	-1.30/-1.32	-3.19/-4.90	-5.86/-4.62	-5.47/-8.63	-8.55/-12.10	-9.44/-6.72	-6.67/-6.95	-9.32/-8.23	-8.70/-8.70	-7.03/-12.68	-7.96/-14.85	-12.45/-13.70	-9.61/-9.59	-6.46/-7.45	-5.46/-3.54
Θ(127.5°)	-5.39/-6.55	-6.12/-6.76	-5.67/-6.12	-4.63/-4.03	-6.35/-5.55	-4.59/-4.28	-6.70/-7.17	-9.30/-6.66	-4.21/-2.41	-3.41/-2.62	-2.58/-5.47	-6.75/-10.05	-12.11/-6.91	-6.05/-8.83	-10.43/-12.08	-7.09/-6.95	-6.99/-11.35	-8.91/-10.74	-9.13/-15.65	-10.63/-14.05	-15.44/-13.55	-10.28/-4.73	-8.52/-6.76	-6.14/-5.40
Θ(135°)	-5.29/-5.16	-6.45/-3.70	-6.69/-4.50	-6.48/-5.70	-4.08/-4.90	-4.48/-4.17	-5.23/-5.70	-5.44/-5.84	-5.06/-5.63	-5.90/-4.90	-4.01/-0.36	-5.58/-6.45	-8.52/-9.19	-7.67/-7.79	-6.62/-11.31	-14.84/-9.30	-9.86/-12.03	-10.45/-11.1	-5.14/-10.40	-9.92/-14.82	-10.98/-12.40	-5.18/-6.76	-5.23/-6.77	-7.17/-5.28
Θ(142.5°)	-5.66/-6.59	-6.59/-4.23	-5.36/-6.22	-5.94/-5.09	-4.52/-4.41	-5.01/-6.49	-7.11/-6.99	-7.05/-6.55	-7.45/-5.76	-5.92/-6.71	-6.45/-4.69	-6.96/-6.28	-7.43/-7.70	-7.77/-10.01	-12.11/-11.55	-12.70/-12.80	-11.47/-9.98	-8.94/-10.34	-9.61/-10.95	-10.62/-11.25	-10.60/-11.14	-8.98/-6.99	-6.84/-7.92	-5.61/-5.01
Θ(150°)	-7.71/-9.23	-7.88/-6.95	-6.78/-6.22	-5.28/-5.49	-5.89/-5.32	-4.80/-6.76	-7.27/-6.75	-6.16/-5.91	-6.66/-6.79	-7.74/-5.89	-8.22/-8.55	-5.46/-6.71	-7.27/-7.66	-9.80/-10.19	-12.63/-10.33	-14.01/-11.69	-12.59/-15.32	-15.73/-10.19	-14.02/-9.85	-8.83/-13.54	-11.96/-12.47	-11.86/-11.33	-12.22/-9.31	-9.46/-7.26
Θ(157.5°)	-9.35/-7.59	-6.72/-6.33	-6.36/-6.90	-7.79/-6.03	-5.94/-7.59	-9.54/-10.11	-9.28/-8.35	-10.74/-11.14	-9.15/-7.83	-9.29/-9.04	-9.60/-8.34	-7.79/-9.97	-10.88/-10.78	-14.50/-15.62	-15.05/-14.57	-15.22/-11.87	-11.08/-11.18	-12.00/-1						

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 $\Theta(0-180)\Phi(270)$





[illegible]



Antenna Pattern_Scanning Radio 5_2.4GHz, 5GHz UNII 1~4, 6GHz and Radio 6 Bluetooth Appendix K

Θ(22.5°)	-2.90/-2.45	-2.61/-3.88	-5.59/-5.25	-5.71/-8.18	-8.88/-8.36	-7.48/-5.64	-4.09/-3.94	-4.29/-4.16	-2.97/-1.60	-1.10/-1.45	-2.67/-2.63	-1.56/-1.25	-1.74/-4.54	-3.14/-3.17	-2.11/-0.71	0.27/1.22	1.44/-1.59	1.34/0.96	1.21/1.57	1.72/0.99	-0.78/-2.55	-1.99/-0.90	-0.47/-0.82	-1.79/-2.33
Θ(30°)	-1.33/-0.32	-0.20/-0.83	-2.16/-3.60	-4.79/-5.05	-6.29/-5.35	-4.12/-3.84	-3.13/-3.92	-5.67/-6.78	-4.47/-2.00	-0.67/-0.33	-1.71/-2.32	-2.41/-2.52	-3.54/-4.95	-3.66/-0.98	0.85/-1.57	1.95/0.22	1.39/0.68	0.63/0.37	-0.31/0.39	2.14/2.36	0.34/-1.63	-0.41/0.99	0.89/-0.65	-2.71/-2.69
Θ(142.5°)	0.20/0.67	0.02/-0.71	-1.91/-3.59	-4.90/-2.80	-1.94/-1.35	-1.93/-2.36	-0.64/-0.81	-2.78/-2.77	-2.47/-2.19	-1.42/-1.16	-2.81/-1.13	-5.26/-5.91	-5.52/-2.62	-1.50/-1.63	-1.24/0.32	2.13/1.37	3.47/2.55	1.50/-1.61	0.92/0.47	0.81/1.65	-0.66/-1.08	0.60/-1.94	0.25/-2.71	-3.71/-1.01
Θ(45°)	0.97/0.87	0.43/0.28	-0.36/-0.36	0.09/0.40	1.30/1.09	-0.28/-1.24	-3.62/-3.30	0.33/-1.34	0.04/-1.44	1.12/0.47	-2.03/-2.68	-2.77/-1.55	-1.23/-0.73	-1.37/-0.75	0.99/-1.65	1.81/-2.39	3.64/3.63	2.04/0.52	0.63/-0.22	-2.04/0.88	1.34/-0.38	1.26/2.55	0.56/0.23	0.93/-1.77
Θ(52.5°)	0.71/0.58	0.46/0.59	0.40/0.59	1.84/3.19	3.19/2.31	1.75/0.32	-0.59/-1.10	0.62/-0.27	1.69/3.47	2.27/0.12	-2.82/-2.72	-2.29/-0.87	-0.06/-0.50	-1.31/-0.87	1.96/2.22	2.98/3.53	3.76/-2.99	1.43/-0.04	-0.90/-1.84	-2.77/-0.74	0.79/-0.01	1.11/2.15	2.18/2.73	2.46/-2.19
Θ(60°)	0.53/-0.64	-0.85/-0.40	-0.02/-0.13	0.74/2.92	3.85/3.69	2.78/0.35	0.47/0.52	2.67/2.54	-0.18/0.82	2.65/0.79	-1.57/-1.97	-2.25/-1.20	0.77/0.36	-1.02/-1.19	0.92/2.19	2.89/3.17	2.41/0.87	0.11/-1.30	-2.99/-3.70	-4.14/-2.35	0.16/0.22	0.79/2.45	3.31/3.63	1.46/0.26
Θ(67.5°)	-0.57/-1.99	-2.40/-1.11	-0.25/0.74	1.19/2.54	3.61/3.88	3.11/0.37	-0.88/-1.91	2.92/2.99	0.13/3.28	1.52/0.26	0.32/-0.74	-1.62/0.66	2.12/-1.52	1.61/2.07	2.90/2.16	1.72/3.39	3.23/0.33	-1.33/-1.05	-2.43/-2.79	-4.33/-2.75	-0.08/0.04	0.51/2.13	3.04/0.88	1.03/0.14
Θ(75°)	-0.21/-2.39	-2.35/-2.74	-0.88/0.80	0.58/2.10	3.53/3.34	3.03/0.88	-0.56/2.01	2.11/-1.87	0.92/-1.51	1.00/0.67	0.85/-1.42	-3.28/-1.55	1.48/-1.96	2.82/2.85	3.60/-1.15	-0.52/2.91	4.07/-1.97	-1.84/-0.73	-1.10/-1.69	-4.72/-4.32	-0.45/-0.17	-0.48/-1.63	1.94/0.38	0.97/-0.68
Θ(82.5°)	-0.70/-1.62	-3.43/-3.77	-2.20/-0.04	0.13/-1.39	3.15/2.29	2.41/-0.14	-0.84/-2.08	1.09/-0.72	0.61/0.55	-0.05/0.10	0.03/-3.49	-5.93/-0.72	1.51/-2.40	2.83/-2.43	2.22/-2.68	-2.88/-2.40	3.98/-2.22	-2.97/-0.45	-1.80/-2.11	-5.49/-4.27	-7.17/-12.91	-2.08/0.06	0.79/-0.08	0.55/-1.69
Θ(90°)	-3.24/-1.61	-3.68/-4.17	-4.16/-2.34	-1.37/-0.70	1.56/-1.58	1.53/-0.65	-1.73/-1.19	0.03/-2.90	-0.30/0.65	-1.88/-2.69	-1.25/-4.55	-7.29/-6.62	-1.50/0.10	0.85/-0.01	0.72/-3.63	-3.84/-0.24	2.34/-1.55	-3.97/-2.59	0.20/-1.16	-7.80/-4.76	-2.85/-2.53	-2.80/-2.07	-0.51/-0.76	-0.28/-2.29
Θ(97.5°)	-5.78/-2.24	-3.47/-5.02	-5.37/-3.49	0.24/0.76	0.46/-2.18	-2.17/-0.24	-3.11/-3.57	-1.78/-0.57	-2.71/-5.23	-3.13/-7.28	-1.10/-8.62	-4.75/-3.36	-0.77/-1.08	-1.74/-4.46	-4.90/-2.24	-0.76/-0.42	-4.09/-4.77	-2.59/-1.74	-7.85/-7.89	-4.95/-3.00	-4.97/-3.36	-1.50/-2.51	-2.39/-2.68	
Θ(105°)	-7.11/-5.06	-5.14/-5.25	-5.77/-4.88	-4.90/-1.83	-2.03/-0.81	-0.86/-3.59	-2.56/-2.41	-3.39/-4.19	-3.08/-1.91	-4.60/-7.95	-4.60/-5.66	-7.87/-8.35	-6.20/-4.59	-3.56/-2.95	-1.30/-7.64	-11.82/-9.13	-4.37/-2.75	-6.58/-6.04	-5.13/-3.82	-7.74/-7.99	-7.35/-3.88	-6.72/-3.57	-3.27/-3.36	-3.77/-4.43
Θ(112.5°)	-11.54/-7.13	-4.60/-6.88	-8.97/-8.63	-6.65/-3.84	-1.96/-2.72	-2.67/-2.90	-4.23/-2.83	-4.08/-6.00	-4.52/-3.08	-7.71/-8.29	-5.54/-6.53	-8.21/-6.30	-9.04/-7.22	-3.66/-5.27	-4.89/-9.06	-15.94/-10.42	-8.55/-5.10	-12.25/-9.50	-10.15/-6.25	-7.19/-7.42	-8.48/-5.00	-6.48/-3.69	-8.01/-3.98	-6.13/-7.98
Θ(120°)	-11.30/-8.69	-5.87/-7.62	-9.51/-10.24	-6.10/-3.58	-1.85/-2.73	-5.44/-5.95	-6.56/-6.12	-5.48/-7.49	-4.52/-5.01	-9.41/-8.10	-8.02/-7.79	-8.14/-7.39	-8.99/-15.26	-9.27/-9.74	-6.94/-9.23	-6.00/-8.54	-5.63/-8.03	-15.36/-6.68	-7.30/-8.20	-12.35/-10.10	-8.82/-6.92	-9.49/-6.45	-10.26/-5.89	-7.01/-8.00
Θ(127.5°)	-8.71/-10.71	-9.02/-9.89	-9.96/-11.79	-7.25/-3.45	-4.38/-3.78	-5.19/-7.80	-7.12/-7.18	-6.52/-5.05	-7.30/-8.51	-8.03/-9.14	-9.67/-10.60	-13.22/-11.67	-8.02/-11.66	-9.96/-6.86	-5.41/-10.88	-11.37/-10.14	-10.31/-12.73	-13.72/-9.19	-7.18/-9.37	-9.52/-14.93	-6.91/-7.38	-10.13/-6.74	-6.98/-8.77	-8.07/-6.87
Θ(135°)	-8.40/-14.79	-14.63/-14.91	-13.88/-10.92	-8.47/-7.97	-6.39/-6.24	-6.86/-5.38	-7.75/-8.18	-6.63/-6.65	-9.40/-10.87	-10.66/-12.84	-11.93/-10.08	-10.43/-9.72	-8.05/-9.71	-8.15/-9.16	-6.52/-11.56	-10.32/-15.04	-13.07/-11.71	-15.80/-12.79	-15.17/-13.60	-11.49/-11.93	-12.90/-11.39	-7.12/-6.19	-6.55/-4.69	-6.78/-7.77
Θ(142.5°)	-10.27/-12.59	-14.77/-15.17	-13.66/-12.33	-10.99/-10.22	-8.80/-8.84	-7.09/-6.19	-9.13/-9.94	-9.04/-10.61	-9.43/-10.37	-12.69/-14.11	-13.33/-13.64	-14.70/-14.17	-12.42/-9.66	-10.84/-10.72	-10.70/-9.61	-11.19/-14.33	-14.03/-10.30	-10.85/-9.34	-8.47/-9.50	-7.17/-12.12	-11.37/-10.67	-7.35/-5.64	-7.94/-9.99	-9.52/-9.13
Θ(150°)	-14.66/-15.35	-15.58/-15.71	-14.65/-14.98	-13.41/-10.46	-9.14/-10.12	-9.10/-7.43	-8.03/-8.89	-9.43/-13.59	-11.60/-9.17	-10.87/-11.85	-10.02/-12.92	-10.47/-10.66	-12.88/-8.63	-9.99/-12.66	-15.94/-15.92	-14.39/-15.73	-14.98/-11.03	-12.55/-9.89	-7.17/-12.91	-11.61/-9.48	-9.32/-7.77	-11.67/-9.56	-9.45/-7.84	-7.39/-9.36
Θ(157.5°)	-10.10/-12.10	-14.65/-15.25	-15.06/-13.85	-11.47/-11.01	-9.21/-7.96	-9.89/-12.58	-14.09/-11.68	-7.29/-7.06	-9.78/-10.14	-8.77/-10.01	-13.96/-12.37	-11.09/-15.24	-14.85/-11.36	-14.33/-12.50	-9.17/-8.59	-9.58/-12.58	-15.26/-12.14	-8.93/-9.79	-12.15/-8.76	-7.27/-8.87	-9.61/-8.82	-10.40/-11.77	-11.89/-10.67	-10.63/-12.09
Θ(165°)	-10.26/-10.25	-10.98/-12.22	-11.42/-12.69	-13.55/-11.12	-11.34/-11.78	-12.09/-13.81	-11.99/-8.95	-9.17/-11.19	-10.13/-8.65	-9.61/-12.35	-15.23/-14.39	-11.69/-12.41	-13.79/-15.87	-15.05/-15.41	-14.70/-15.57	-15.56/-12.92	-10.42/-11.01	-14.20/-15.25	-10.36/-7.92	-6.55/-7.72	-9.87/-9.09	-8.23/-10.64	-13.50/-14.51	-13.03/-11.88
Θ(172.5°)	-13.66/-13.27	-15.46/-13.68	-12.73/-12.76	-12.94/-13.80	-14.84/-14.43	-15.10/-14.73	-13.98/-13.59	-12.50/-11.63	-12.57/-12.99	-12.92/-11.10	-10.96/-12.99	-14.43/-15.50	-14.38/-15.52	-15.13/-15.05	-13.56/-12.66	-13.36/-14.13	-13.78/-14.28	-15.00/-15.47	-14.95/-12.75	-11.84/-11.22	-10.51/-9.75	-9.79/-12.18	-14.82/-14.84	-13.90/-13.49
Θ(180°)	-15.56/-15.34	-15.44/-15.34	-14.87/-14.82	-15.21/-14.25	-14.96/-15.36	-14.52/-14.10	-13.84/-13.63	-12.10/-12.91	-13.70/-14.36	-13.76/-12.28	-14.77/-15.47	-13.38/-13.18	-13.25/-13.02	-13.21/-12.66	-13.06/-14.66	-15.45/-15.49	-15.18/-15.58	-14.40/-15.65	-15.75/-15.91	-15.33/-15.69	-15.94/-15.92	-14.56/-14.53	-13.23/-12.66	
Freq(Hz)	5.885GPol.	TotalAnt. 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	-1.34/-1.04	-0.53/-0.52	-0.83/-0.53	-0.35/-0.56	-0.68/-0.70	-0.69/-0.74	-0.43/-0.09	-0.16/-0.59	-0.73/-0.43	-0.22/-0.14	-0.13/-0.07	-0.53/-0.85	-0.77/-1.02	-1.32/-1.63	-1.67/-1.93	-2.32/-1.99	-2.35/-2.80	-3.01/-3.32	-2.50/-1.98	-2.29/-2.44	-2.31/-2.15	-2.10/-2.03	-1.63/-1.47	-1.33/-1.39
Θ(7.5°)	-1.90/-2.39	-2.51/-2.37	-3.20/-3.60	-3.12/-3.00	-3.69/-4.37	-3.67/-3.78	-3.67/-3.51	-2.99/-2.80	-2.71/-2.27	-1.46/-1.06	-0.34/-0.09	-0.05/-0.38	0.18/-7.10	0.62/0.33	-0.05/0.36	0.37/0.01	0.35/-0.10	-0.02/-0.52	-0.22/0.31	0.27/0.19	0.21/0.18	-0.00/-0.37	-0.59/-1.09	-1.41/-1.63
Θ(15°)	-2.58/-3.97	-5.07/-4.98	-5.76/-7.39	-6.49/-5.38	-5.93/-5.97	-5.32/-5.82	-5.62/-3.92	-3.67/-4.24	-3.70/-2.68	-1.42/-0.28	0.33/0.82	0.71/0.78	0.85/0.87	0.65/0.19	-0.01/0.08	0.06/-0.63	-0.80/-0.68	-0.37/0.23	0.21/0.80	0.62/0.49	0.53/0.85	1.10/0.87	0.35/-0.72	-1.66/-2.49
Θ(22.5°)	-1.06/-1.43	-2.18/-2.64	-3.34/-5.53	-8.44/-7.69	-8.17/-9.10	-8.39/-6.12	-4.87/-3.04	-2.16/-3.27	-2.15/-1.50	-0.34/-0.15	-1.18/-2.29	-2.13/-1.63	-1.34/-1.07	-1.07/-1.14	-1.15/-0.76	0.17/0.49	0.60/0.31	0.27/1.21	2.05/2.66	2.32/1.30	-0.20/-0.48	0.39/0.57	0.34/-0.39	-0.89/-1.49
Θ(30°)	-1.25/-0.32	-0.60/-0.73	-1.84/-3.68	-6.43/-5.83	-5.57/-5.82	-5.39/-4.43	-4.01/-2.32	-2.30/-3.01	-3.25/-1.81	-0.61/-0.66	-1.71/-3.92	-2.29/-1.46	-2.65/-3.88	-4.12/-1.96	0.01/-1.25	1.55/0.76	-0.14/-0.39	-0.57/-0.29	2.80/2.06	2.51/-1.58	-0.26/-0.54	1.28/-1.39	-0.37/-2.17	-0.95/-1.97
Θ(37.5°)	0.50/0.06	-0.21/-0.38	-1.11/-2.40	-4.08/-4.83	-2.96/-2.09	-1.93/-2.41	-2.23/-0.72	-0.08/-1.70	-0.78/-0.79	0.13/0.75	-0.88/-1.07	-1.43/-3.34	-6.06/-4.88	-2.07/-0.94	0.13/-1.41	2.55/2.98	2.53/-1.36	0.40/-1.44	1.20/-0.28	0.77/1.34	-0.91/-0.95	1.95/2.19	0.41/-1.14	-1.37/-0.06
Θ(45°)	1.13/-1.41	1.11/0.46	-0.17/-0.00	-0.41/-0.95	-1.11/-0.21	0.51/-0.96	2.01/-1.37	-1.71/-0.94	0.55/-1.34	1.06/0.70	-1.04/-1.87	-1.58/-0.93	-1.27/-1.68	-1.54/-0.93	1.64/-1.95	1.90/2.91	3.55/0.38	1.36/0.67	1.05/-0.24	-1.89/0.21	-0.20/-0.51	2.29/-1.65	1.22/2.21	1.84/-1.30
Θ(52.5°)	0.31/-1.84	1.46/-0.05	-1.14/-0.18	0.28/0.65	1.24/2.63	0.80/-1.97	-1.42/-1.12	-0.57/-0.61	-0.27/0.67	2.73/0.89	-1.42/-1.41	1.28/-0.52	-1.67/-0.16	1.85/-2.27	2.50/2.88	3.35/-2.22	1.56/0.44	0.20/-1.83	-4.58/-1.03	-0.30/-1.34	1.61/-1.37	3.64/-2.33	1.60/-0.60	
Θ(60°)	0.77/0.92	0.34/-0.13	-0.45/0.84	2.38/2.59	2.93/4.37	4.79/3.04	0.54/0.55	0.12/3.46	-0.33/2.78	2.17/-1.13	-0.14/-2.57	-1.74/-1.41	2.63/-1.44	-0.27/-1.63	-0.05/-1.68	2.43/2.42	1.32/0.82	0.54/-1.01	-2.13/-3.15	-7.20/-1.55	-0.33/2.06	1.73/2.47	4.28/2.18	-0.30/0.33
Θ(67.5°)	1.27/0.08	-0.58/-0.50	0.08/-1.93	2.62/3.26	4.37/4.39	5.32/3.63	0.35/-1.26	1.04/3.96	1.06/2.19	1.11/0.83	0.57/-2.97	-1.41/-2.10	3.23/2.59	1.69/-1.15	2.15/2.32	2.13/-2.04	2.10/-0.80	-1.45/-1.88	-2.16/-3.28	-4.46/-3.25	-0.33/2.11	0.96/2.39	3.94/0.19	0.49/-1.34
Θ(75°)	1.29/-0.67	-1.47/-1.97	-1.72/0.04	2.12/2.69	4.11/2.28	2.20/-0.95	1.57/-1.80	2.27/-1.56	0.86/0.40	1.06/-														



Antenna Pattern_Scanning Radio 5_2.4GHz, 5GHz UNII 1~4, 6GHz and Radio 6 Bluetooth Appendix K

θ(60°)	0.81/-1.08	0.14/-1.63	2.17/2.07	2.33/0.90	0.33/-1.20	0.85/-0.44	-0.61/-2.79	0.08/0.34	0.72/-1.75	-0.13/-0.54	-2.68/-1.65	-0.43/-1.56	1.02/0.36	-0.78/0.47	-0.27/0.76	2.15/0.89	2.06/2.49	0.63/-1.18	0.87/-1.13	2.26/2.97	2.17/0.08	2.72/3.64	2.33/-0.61	-2.25/0.09	
θ(67.5°)	0.64/-2.74	-1.06/-1.16	1.72/-1.50	1.94/0.95	-0.98/-1.25	0.65/-1.18	-4.16/-0.56	-0.25/0.29	0.17/2.97	0.73/-2.80	-2.45/0.40	-0.29/0.84	2.81/-1.39	0.74/0.53	-0.64/-1.24	2.82/-1.17	1.18/0.80	-0.05/0.00	-2.23/-1.07	0.92/2.77	0.72/-0.12	2.75/3.82	2.12/-2.50	-0.37/-1.36	
θ(75°)	-0.46/-2.85	-1.41/-0.02	1.66/0.28	1.24/-1.35	0.54/0.99	-0.87/-2.16	-4.83/-2.17	-0.90/-0.78	-0.09/-1.97	1.17/-1.35	-2.50/-0.48	-0.73/-1.98	2.41/2.94	1.81/-1.38	0.93/0.46	2.62/-2.73	3.29/-1.04	-1.27/0.71	-1.25/-3.09	-0.31/-1.26	-0.93/-0.80	1.33/2.69	0.96/-1.61	0.05/0.79	
θ(82.5°)	-1.97/-3.26	-1.25/-1.17	-0.54/-1.05	0.15/-1.27	1.27/0.66	-0.60/-2.65	-3.19/-1.53	-1.99/-2.15	-1.53/0.69	0.10/-1.11	-0.88/0.27	-5.46/-0.08	1.36/-1.72	2.09/-1.03	1.07/-0.96	-0.04/3.33	4.47/-1.17	-3.07/-1.06	0.70/-2.22	0.38/-0.56	-3.83/-2.74	-0.30/0.74	-1.04/-1.69	-0.06/-0.02	
θ(90°)	-3.24/-1.43	-2.50/-1.54	-1.42/-2.01	-1.32/0.49	0.76/-0.68	-2.05/-4.91	-4.65/-2.43	-2.18/-1.90	-1.60/-0.04	-0.39/-4.77	-2.19/-1.93	-5.31/-3.41	-1.93/-0.21	1.34/-0.34	0.13/-5.95	-5.04/-2.28	4.38/0.74	-5.50/-0.10	1.26/-1.41	-1.49/-2.55	-5.78/-4.68	-2.72/-1.77	-2.57/-2.26	-0.62/-0.86	
θ(97.5°)	-3.75/-4.21	-4.29/-3.25	-3.46/-3.46	-2.58/-0.57	-0.86/-1.65	-4.08/-5.41	-7.12/-3.31	-3.73/-8.39	-3.25/-2.18	-2.80/-5.20	-3.70/-3.17	-7.53/-2.42	-3.52/-3.75	0.82/-2.44	-0.98/-3.15	-9.83/-1.03	2.01/-2.06	-8.85/-3.11	-0.69/-3.22	-5.53/-4.97	-7.07/-7.15	-4.76/-4.09	-4.47/-3.04	-1.98/-2.24	
θ(105°)	-6.63/-4.37	-4.46/-4.82	-4.70/-3.72	-3.31/-1.70	-1.18/-2.40	-4.95/-5.22	-6.09/-4.99	-4.84/-7.88	-7.09/-3.69	-4.15/-7.61	-9.07/-6.54	-6.58/-7.03	-4.78/-9.93	-4.89/-3.38	-2.74/-7.46	-11.49/-6.90	-4.88/-6.69	-15.44/-8.07	-4.92/-7.33	-9.67/-8.55	-6.71/-6.91	-6.71/-5.00	-6.80/-4.02	-3.97/-3.07	
θ(112.5°)	-6.52/-5.62	-6.20/-7.11	-4.90/-3.70	-3.86/-2.22	-1.96/-4.29	-6.98/-5.83	-7.96/-8.26	-4.11/-6.61	-10.11/-6.36	-7.04/-8.63	-12.62/-8.01	-10.22/-5.28	-7.01/-8.99	-6.72/-5.82	-4.50/-6.92	-11.29/-6.12	-7.03/-11.91	-14.01/-8.25	-4.47/-8.65	-11.40/-11.76	-5.41/-7.89	-6.27/-6.52	-7.43/-5.65	-5.19/-4.84	
θ(120°)	-7.23/-9.48	-9.30/-10.90	-7.47/-6.23	-4.72/-2.84	-5.76/-5.99	-7.35/-8.42	-7.89/-11.45	-4.51/-11.04	-6.59/-9.00	-9.03/-9.65	-8.32/-12.06	-11.48/-11.19	-6.83/-7.34	-7.27/-8.28	-6.11/-12.73	-12.63/-4.91	-4.29/-12.20	-15.02/-7.26	-11.88/-10.37	-13.66/-14.13	-9.35/-8.06	-10.08/-9.24	-9.35/-7.15	-5.95/-5.64	
θ(127.5°)	-10.56/-11.11	-9.20/-8.64	-10.71/-10.05	-5.11/-4.94	-7.84/-7.60	-7.61/-8.30	-11.86/-10.75	-6.96/-6.95	-11.53/-10.86	-9.61/-12.66	-9.78/-11.20	-12.73/-13.69	-11.51/-11.05	-7.85/-9.93	-4.94/-9.92	-13.05/-14.73	-10.75/-12.79	-14.02/-6.99	-13.79/-12.18	-13.85/-9.70	-12.59/-11.75	-11.82/-10.61	-9.57/-9.92	-6.10/-9.65	
θ(135°)	-9.78/-10.33	-8.74/-9.63	-13.14/-8.27	-5.90/-5.87	-5.93/-5.86	-7.28/-9.94	-15.32/-10.34	-8.46/-9.60	-11.74/-13.38	-14.28/-12.14	-15.60/-11.42	-10.94/-12.30	-13.88/-11.32	-11.80/-7.87	-10.00/-10.56	-12.35/-11.51	-7.06/-13.40	-11.50/-16.42	-12.72/-12.20	-13.43/-9.33	-11.57/-10.96	-11.12/-10.81	-12.84/-11.43	-12.58/-10.36	-9.78/-9.45
θ(142.5°)	-13.66/-12.89	-14.80/-11.72	-9.64/-7.76	-8.22/-8.41	-6.75/-6.51	-7.85/-11.44	-14.58/-9.74	-7.81/-7.85	-8.85/-13.60	-13.83/-9.32	-14.23/-15.15	-15.21/-12.71	-11.94/-11.65	-11.60/-11.94	-7.77/-9.95	-13.64/-11.51	-11.46/-12.09	-10.12/-11.00	-12.58/-10.68	-10.43/-15.07	-12.63/-10.16	-13.43/-7.89	-11.34/-7.06	-5.14/-10.01	
θ(150°)	-15.35/-14.56	-14.60/-15.36	-11.89/-11.51	-10.71/-10.42	-8.69/-8.77	-10.85/-9.94	-10.58/-10.95	-11.98/-11.01	-10.78/-12.04	-12.29/-15.17	-12.27/-14.98	-13.46/-14.39	-13.50/-12.61	-13.63/-12.22	-10.19/-9.25	-10.95/-15.40	-15.47/-15.60	-13.19/-12.58	-11.81/-13.96	-14.58/-10.59	-14.11/-11.51	-11.46/-12.89	-12.97/-8.08	-9.60/-9.86	
θ(157.5°)	-11.64/-12.84	-12.65/-12.09	-11.03/-10.72	-10.11/-7.36	-5.54/-7.36	-10.60/-12.04	-12.28/-10.71	-10.31/-10.39	-10.19/-10.64	-15.66/-12.02	-10.94/-12.30	-13.06/-12.87	-13.88/-11.32	-12.14/-16.16	-15.85/-15.62	-15.23/-12.26	-12.89/-10.34	-10.91/-9.86	-9.87/-9.20	-11.12/-10.81	-12.84/-11.43	-12.58/-10.36	-13.42/-14.45		
θ(165°)	-13.91/-12.48	-12.20/-11.48	-11.77/-11.49	-11.52/-11.43	-11.18/-11.47	-11.25/-12.85	-14.00/-13.29	-12.04/-11.46	-12.17/-10.74	-11.87/-14.54	-14.60/-16.01	-15.81/-12.29	-15.56/-15.77	-14.58/-13.05	-12.44/-13.27	-14.64/-15.40	-13.07/-12.10	-11.49/-13.47	-12.45/-10.53	-11.22/-13.75	-13.73/-10.80	-10.30/-10.15	-11.27/-12.18		
θ(172.5°)	-13.53/-14.36	-14.69/-14.93	-15.13/-14.92	-15.61/-13.93	-14.05/-12.83	-12.11/-12.17	-14.05/-14.95	-15.48/-16.03	-14.90/-14.54	-15.48/-12.68	-11.30/-11.66	-12.81/-15.83	-15.42/-15.72	-15.51/-15.58	-14.54/-12.92	-12.56/-11.21	-10.28/-11.89	-12.78/-13.42	-14.99/-15.19	-15.39/-14.52	-15.33/-13.49	-11.00/-10.42	-10.65/-10.72	-10.47/-11.03	
θ(180°)	-14.73/-14.81	-14.41/-15.52	-15.87/-15.45	-15.64/-15.62	-14.96/-15.47	-15.31/-15.44	-14.44/-14.77	-15.23/-15.58	-15.05/-15.34	-15.44/-14.72	-15.22/-14.92	-14.19/-14.88	-15.12/-14.83	-15.41/-16.03	-15.20/-15.19	-15.41/-15.31	-15.42/-15.01	-15.97/-14.71	-14.80/-15.64	-15.65/-15.86	-14.70/-14.55	-15.23/-14.91	-16.12/-15.02	-15.18/-16.04	
Freq(Hz)	6.995GPol	TotalAnt.1	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)	
θ(0°)	1.48/-1.24	0.70/0.89	0.65/0.98	1.03/0.71	0.89/-1.29	1.08/0.60	0.51/0.85	1.30/-1.31	1.19/-1.15	1.30/-1.45	1.41/-1.45	1.45/-1.30	1.63/-1.59	1.21/-1.83	2.22/-1.63	1.37/-1.70	1.65/-1.13	1.37/-1.05	0.88/0.77	1.09/0.69	0.49/0.75	0.66/0.47	0.31/0.35	0.63/0.88	
θ(7.5°)	1.87/-1.93	1.49/-1.17	1.25/-1.51	1.30/0.62	0.59/0.55	0.57/0.11	-0.35/-0.09	0.56/0.51	0.27/0.09	-0.00/0.02	0.15/0.19	0.11/0.15	0.37/0.29	-0.09/-0.05	0.40/0.46	0.12/0.45	0.76/0.46	0.44/0.56	0.76/0.62	0.85/1.18	1.37/-1.41	1.51/-1.62	1.58/-1.58	1.68/-1.85	
θ(15°)	-0.58/0.18	0.71/0.42	0.62/-1.24	1.10/0.41	-0.10/-0.03	-0.07/0.20	0.08/-0.13	-0.11/0.11	-0.80/-1.31	-2.67/-2.65	-3.24/-2.90	-2.39/-1.55	-1.28/-1.35	-1.10/-0.98	-0.26/0.48	0.85/-1.11	1.42/-1.60	1.26/0.82	0.76/0.59	0.16/0.10	-0.24/-0.96	-1.36/-0.81	-0.26/-0.09	-0.30/-0.47	
θ(22.5°)	-0.71/0.20	0.25/-0.39	-1.46/-2.24	-1.56/-1.35	-1.96/-0.94	-1.31/-1.68	-0.77/-1.03	-0.20/0.28	-0.30/-1.22	-2.72/-3.96	-4.02/-3.24	-1.94/-2.45	-4.51/-5.41	-3.31/-1.53	-0.94/-0.57	-0.66/-1.62	-2.14/-0.89	-0.99/-1.51	-1.78/-1.82	-1.15/-0.68	-2.10/-1.40	-3.69/-1.47	-0.04/-0.45	-1.22/-0.53	
θ(30°)	-2.13/-2.11	-1.65/-1.28	-1.00/-1.48	-1.17/-1.69	-2.94/-2.57	-0.77/-0.49	0.95/0.27	-0.28/-0.19	-1.06/-3.70	-4.45/-5.37	-7.81/-7.81	-6.14/-8.66	-15.15/-8.88	-3.29/-3.36	-3.28/-2.15	-1.01/-0.44	-0.46/-1.12	-0.92/-0.21	-1.41/-2.08	-0.72/-0.55	-1.68/-2.99	-2.09/-0.83	-1.28/-2.83	-4.37/-1.99	
θ(37.5°)	-3.55/-3.30	-2.88/-0.28	0.77/0.81	-0.19/-1.50	-3.30/-5.29	-2.96/-0.78	0.99/0.88	-0.34/-0.08	-1.39/-7.14	-2.44/-1.90	-6.31/-8.63	-7.57/-7.76	-3.69/-2.86	-3.60/-4.69	-4.49/-4.09	-2.33/-1.87	-1.68/-0.91	-2.04/-0.84	1.59/-1.82	2.36/-2.48	0.31/-1.99	-1.85/-1.41	-2.56/-2.54	-2.95/-3.97	
θ(45°)	-0.59/0.69	0.73/-1.17	1.20/-1.64	2.08/0.71	-1.14/-1.30	-0.75/-0.34	0.76/0.28	-0.83/-0.02	1.22/-1.40	-2.47/-0.06	-3.07/-2.47	-5.22/-5.34	-6.69/-6.00	-2.65/-0.74	-1.30/-1.31	-0.63/-1.02	-1.46/-2.10	0.77/-1.28	2.53/-2.20	3.23/-2.72	0.62/0.46	1.56/-1.31	1.86/0.76	-1.00/-1.12	
θ(52.5°)	1.86/0.87	0.94/-1.91	2.33/-1.61	1.93/0.01	-0.82/0.75	-0.17/-1.61	-2.91/-1.36	0.29/-1.51	1.03/0.38	-2.98/-2.18	-2.35/-1.28	0.64/-2.31	-0.68/-1.58	2.11/2.52	2.11/0.84	0.53/-2.24	2.67/0.08	2.63/0.10	4.14/-0.80	3.72/2.98	0.46/-1.78	3.97/3.59	3.28/-1.61	2.10/2.01	
θ(60°)	1.81/-1.18	0.76/-1.80	3.07/2.65	2.30/-1.02	-0.38/-1.56	1.08/-0.45	-3.49/-2.14	-0.68/0.51	-0.45/0.01	-1.10/-1.98	-2.10/-0.09	2.13/-1.35	1.88/2.30	1.39/2.06	2.03/2.65	2.52/-2.47	2.71/-1.89	1.45/3.78	2.81/3.25	2.85/2.96	1.28/-1.73	4.36/3.56	2.13/2.51	4.14/-2.98	
θ(67.5°)	1.58/-1.71	1.43/-1.76	1.50/-1.42	1.74/-1.37	2.13/2.52	2.31/-0.41	-0.95/-3.32	-0.08/-1.53	-1.22/0.66	0.56/-0.54	-1.34/-1.91	3.25/-1.52	3.09/2.31	2.11/2.51	2.16/3.34	4.12/-2.55	1.58/0.86	1.53/-1.27	-1.28/0.06	1.28/2.91	0.59/0.81	2.81/-1.45	0.97/-2.11	2.99/-1.90	
θ(75°)	1.25/-1.09	0.66/-1.17	-0.32/0.27	0.24/0.88	1.84/-1.76	2.30/-0.66	-2.16/-3.13	-0.73/-3.95	0.72/-1.84	1.36/0.33	-3.32/0.92	3.18/-0.27	2.79/-1.00	2.93/2.81	2.60/2.28	3.49/2.80	3.76/-1.43	0.94/0.34	-1.84/-2.41	0.98/-1.35	-2.76/-0.57	0.12/-1.64	0.22/-1.57	0.46/-1.05	
θ(82.5°)	0.36/-0.36	-0.89/0.23	-0.97/-1.31	-0.75/-0.94	1.29/0.97	2.18/-0.35	-2.79/-2.91	-0.22/-2.57	2.04/-0.87	-0.37/-2.30	-3.37/-1.47	-0.74/-2.11	1.73/-2.29	2.65/-2.22	1.66/0.88	0.77/-2.13	5.10/-2.13	-1.15/-0.32	-1.32/-0.96	1.14/-1.28	-7.36/-2.67	0.07/-2.59	-0.86/-0.77	-1.36/0.98	
θ(90°)	-1.14/-1.43	-1.75/-1.42	-2.79/-2.89	-2.23/-1.96	0.10/-0.15	1.55/0.31	-3.43/-4.19	-1.39/0.77	-1.07/0.27	-2.37/-6.37	-6.64/-0.58	-1.18/-5.50	-2.16/-1.67	2.80/0.49	0.56/-3.92	-1.31/-1.61	4.74/-2.95	-2.72/-0.45	0.49/-0.40	0.42/-2.89	-11.79/-4.94	-6.78/-3.09	-2.50/-2.83	-3.08/-0.64	
θ(97.5°)	-3.02/-3.30	-2.63/-2.58	-5.20/-3.26	-3.60/-2.28	-0.58/-1.56	1.53/-1.72	-3.85/-8.30	-1.63/-0.49	-2.89/-2.24	-5.13/-11.64	-6.92/-1.19	-4.67/-4.82	-3.26/-1.38	1.02/-2.16	-0.85/-9.21	-5.58/-0.51	2.18/-0.77	-5.48/-3.34	-0.83/-6.23	-3.98/-5.09	-11.20/-5.74	-10.10/-3.32	-4.53/-4.35	-3.98/-2.11	
θ(105°)	-2.87/-3.70	-3.63/-4.92	-4.39/-4.17	-6.80/-3.67	-2.57/-2.52	-0.26/-1.91	-9.57/-9.69	-2.37/-2.36	-7.66/-5.11	-6.02/-11.65	-11.51/-6.02	-5.13/-9.18	-5.08/-6.64	-3.40/-5.00	-0.87/-8.14	-11.47/-6.42	-3.15/-7.72	-13.55/-9.01	-6.48/-9.63	-11.86/-9.02	-8.99/-7.64	-9.40/-6.06	-7.80/-5.34	-9.39/-3.25	
θ(112.5°)	-4.11/-4.58	-5.84/-7.37	-4.98/-6.99																						



Antenna Pattern_Scanning Radio 5_2.4GHz, 5GHz UNII 1~4, 6GHz and Radio 6 Bluetooth Appendix K

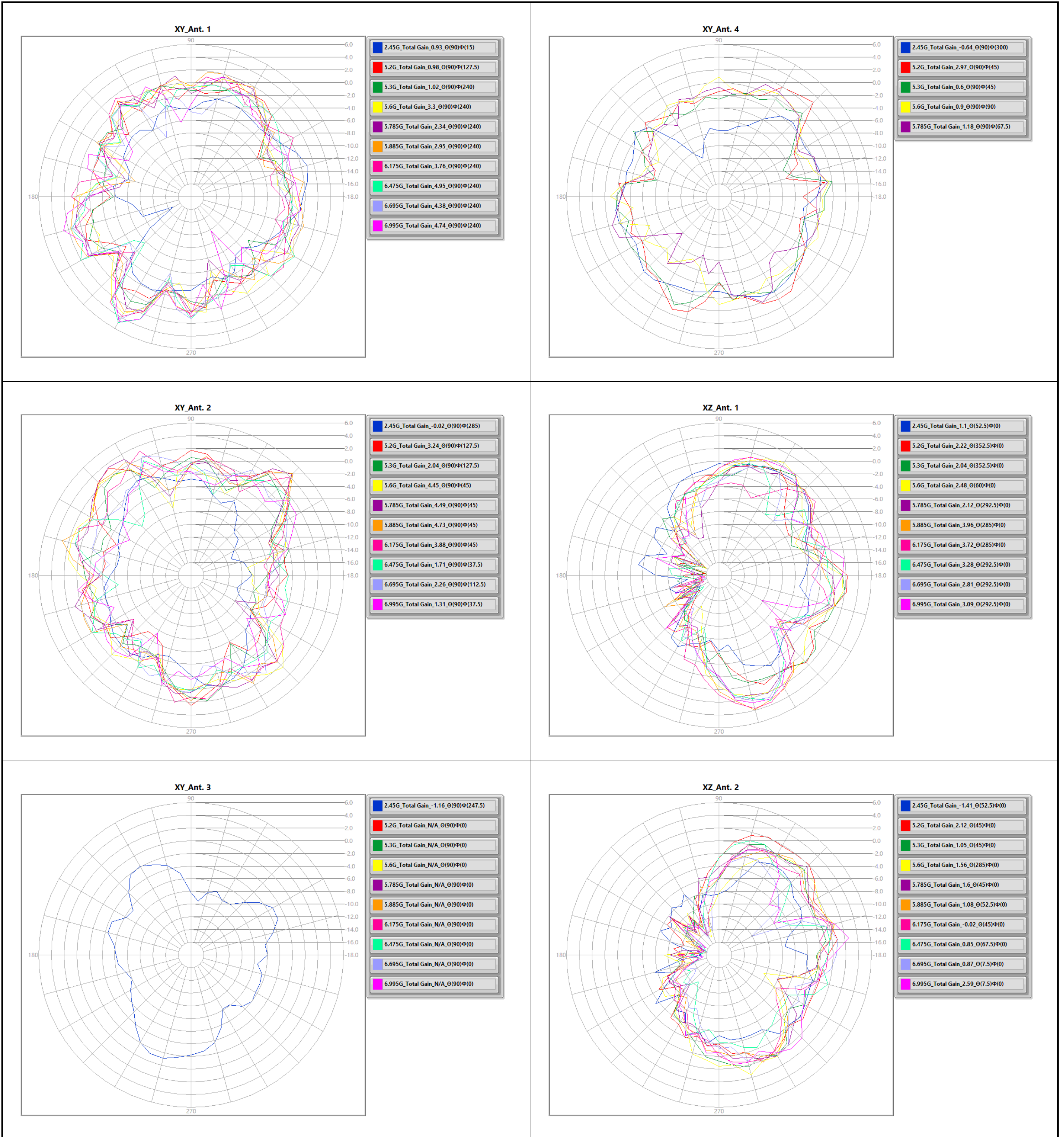
Θ (112.5°)	-7.95/-14.72	-13.82/-10.20	-7.32/-7.12	-4.06/-4.84	-7.17/-7.32	-5.63/-5.09	-4.92/-6.14	-5.78/-4.67	-1.05/-1.59	-1.95/-3.79	-6.51/-5.44	-5.44/-5.67	-4.94/-5.59	-5.42/-6.75	-6.87/-9.12	-8.34/-8.04	-8.34/-12.47	-6.78/-7.16	-6.25/-6.25	-8.20/-9.48	-10.83/-13.05	-10.41/-9.21	-13.65/-9.50	-14.85/-8.10
Θ (120°)	-9.98/-9.54	-12.82/-8.19	-5.21/-5.50	-5.02/-5.37	-5.83/-7.73	-6.27/-5.43	-7.30/-7.44	-6.20/-5.73	-3.16/-3.37	-5.32/-5.00	-8.08/-7.08	-7.67/-6.98	-5.75/-6.23	-4.88/-8.51	-10.20/-10.15	-14.41/-9.59	-8.77/-10.57	-9.89/-7.20	-6.52/-6.68	-8.39/-9.48	-10.20/-12.51	-9.11/-7.98	-9.50/-15.47	-13.26/-8.68
Θ (127.5°)	-11.71/-13.51	-12.10/-8.02	-7.10/-6.18	-9.55/-8.46	-9.01/-8.62	-7.14/-6.62	-7.73/-8.21	-7.21/-6.20	-5.23/-5.56	-7.63/-7.61	-11.27/-7.50	-7.78/-7.18	-6.27/-7.53	-5.43/-9.84	-9.86/-10.86	-11.22/-9.34	-10.35/-15.46	-11.48/-14.29	-7.77/-8.50	-8.90/-12.75	-12.72/-9.86	-11.86/-15.18	-12.52/-12.38	-12.68/-15.64
Θ (135°)	-12.69/-15.54	-8.86/-10.86	-10.65/-11.76	-11.04/-12.39	-11.91/-12.36	-9.20/-11.05	-10.06/-10.15	-8.72/-6.49	-6.28/-6.03	-9.49/-9.95	-9.36/-12.69	-10.88/9.25	-9.41/-6.82	-8.25/-11.53	-7.44/-9.49	-10.69/-8.25	-9.85/-14.91	-15.64/-9.88	-12.09/-9.06	-9.30/-15.25	-12.16/-11.65	-11.64/-15.94	-14.97/-12.80	-14.49/-13.33
Θ (142.5°)	-11.81/-9.87	-9.25/-6.98	-10.18/-13.3	-10.74/-10.75	-12.28/-10.25	-9.45/-12.17	-9.18/-9.47	-10.48/-8.02	-9.11/-10.73	-10.66/-9.76	-9.33/-8.71	-8.63/-10.5	-10.46/-14.94	-13.15/-11.99	-14.68/-14.56	-14.38/-12.34	-12.79/-10.17	-11.91/-14.79	-12.88/-15.46	-11.52/-15.41	-10.50/-9.77	-10.37/-14.79	-10.51/-14.79	
Θ (150°)	-11.91/-8.99	-13.11/-14.82	-11.70/-11.56	-14.50/-14.30	-12.00/-11.94	-11.03/-10.51	-10.54/-10.61	-11.23/-10.53	-11.01/-11.66	-13.26/-15.34	-12.78/-10.27	-10.34/-10.33	-9.65/-8.98	-8.68/-10.35	-12.40/-13.44	-13.88/-14.74	-13.02/-15.00	-12.49/-10.09	-11.48/-14.28	-14.97/-13.74	-11.52/-15.80	-13.75/-10.82	-11.26/-15.64	
Θ (157.5°)	-14.37/-10.66	-12.35/-14.47	-13.64/-14.52	-14.97/-16.15	-14.95/-13.95	-12.97/-13.93	-14.50/-13.99	-13.96/-15.53	-15.60/-14.22	-13.61/-13.40	-12.37/-12.11	-12.80/-11.48	-9.21/-8.46	-10.92/-11.90	-10.15/-10.56	-11.82/-13.69	-15.11/-14.37	-13.08/-14.89	-16.04/-14.74	-15.40/-14.26	-14.60/-12.91	-12.78/-14.12	-14.55/-10.87	-10.15/-13.55
Θ (165°)	-15.74/-15.54	-15.96/-14.88	-15.66/-15.11	-14.00/-14.40	-15.36/-15.16	-16.30/-14.74	-15.77/-14.63	-13.62/-14.16	-14.10/-15.41	-15.45/-16.15	-14.83/-16.20	-15.75/-12.80	-11.72/-12.05	-13.87/-13.14	-15.16/-15.63	-14.70/-12.74	-11.84/-12.52	-14.32/-15.35	-16.04/-14.56	-15.67/-14.70	-13.07/-12.82	-13.41/-13.44	-14.00/-15.18	-14.72/-15.28
Θ (172.5°)	-13.10/-13.00	-13.23/-12.21	-11.73/-13.63	-13.82/-14.39	-14.39/-14.67	-14.92/-14.73	-15.81/-15.20	-14.72/-14.67	-15.01/-15.89	-15.42/-14.21	-13.15/-12.55	-12.15/-10.33	-11.47/-13.31	-11.76/-11.62	-11.70/-10.08	-10.17/-11.25	-12.66/-13.45	-13.92/-13.85	-13.97/-13.59	-14.17/-15.06	-15.43/-15.31	-13.77/-13.49	-13.20/-12.01	-9.84/-9.40
Θ (180°)	-12.81/-13.52	-12.45/-12.08	-10.84/-10.34	-10.44/-10.67	-10.94/-10.39	-9.73/-9.86	-9.71/-10.61	-11.48/-10.97	-10.44/-9.23	-8.77/-9.38	-10.10/-10.91	-10.97/-9.50	-9.08/-9.86	-10.64/-11.30	-11.35/-12.43	-13.95/-13.96	-13.69/-13.35	-14.95/-14.72	-14.82/-15.35	-14.86/-15.44	-15.07/-13.10	-13.00/-12.68	-12.35/-12.28	-12.89/-13.85
Freq(Hz)	5.6GPol.	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°)	-2.09/-1.63	-1.64/-1.99	-2.05/-2.32	-2.46/-2.49	-2.13/-1.82	-1.58/-1.47	-1.21/-1.27	-1.10/-1.21	-1.22/-0.66	-0.060/29	-0.04/-0.48	-0.72/-0.54	-0.08/-0.19	-0.83/-0.77	-0.54/-0.59	-0.80/-1.22	-1.89/-2.22	-2.65/-2.95	-2.89/-2.66	-2.60/-2.30	-2.51/-2.60	-2.42/-2.42	-2.74/-2.27	-2.45/-2.81
Θ (7.5°)	-0.28/-0.18	-0.14/-0.42	-0.57/-0.90	-1.16/-1.46	-1.45/-1.70	-1.55/-1.79	-2.07/-2.55	-2.42/-2.63	-2.87/-2.97	-3.13/-2.67	-2.64/-2.88	-2.70/-2.55	-1.94/-1.61	-2.61/-1.98	-0.84/-1.08	-1.69/-1.39	-0.86/-0.64	-1.00/-1.06	-0.83/-0.49	-0.090/30	0.31/0.28	0.220/10	0.280/18	0.500/16
Θ (15°)	0.770/76	0.660/47	0.330/07	0.11/-0.22	-0.82/-1.08	-1.51/-2.24	-2.68/-3.30	-3.72/-4.33	-5.15/-6.56	-7.88/-8.68	-9.08/-8.12	-6.51/-5.07	-3.61/-2.85	-2.62/-2.64	-2.22/-1.88	-2.18/-2.32	-1.97/-1.41	-0.84/-0.36	0.080/40	0.840/98	1.41/-132	1.40/-160	1.69/-157	1.47/-102
Θ (22.5°)	-0.37/-0.06	0.130/26	0.370/21	-0.34/-1.05	-1.63/-1.79	-2.21/-2.75	-3.29/-3.48	-3.59/-3.74	-4.41/-4.90	-6.10/-6.68	-11.63/-11.08	-10.28/-10.11	-10.38/-9.25	-7.09/-6.11	-5.52/-4.00	-3.77/-4.78	-6.29/-5.16	-2.69/-0.76	0.340/64	0.690/57	0.701/21	1.30/-126	1.250/60	0.23/-0.08
Θ (30°)	0.03/-1.13	1.58/-1.16	0.74/-0.09	-0.88/-1.75	-2.86/-3.59	-4.02/-3.72	-3.91/-3.75	-2.47/-0.85	0.260/28	-0.87/-3.55	-7.19/-9.95	-11.20/-10.52	-8.09/-7.21	-6.32/-4.60	-4.20/-3.84	-2.60/-3.01	-5.51/-5.54	-3.80/-2.21	-1.00/-0.48	-0.51/-0.40	0.110/48	0.480/57	1.080/51	-0.07/-0.65
Θ (37.5°)	0.94/-1.64	1.400/-26	-0.61/-1.20	-0.600/-64	0.13/-1.10	-2.41/-1.95	-1.65/-1.04	0.17/-1.26	2.140/21	0.27/-2.16	-3.69/-4.70	-5.28/-6.15	-5.82/-3.63	-3.69/-3.76	-3.36/-3.44	-2.82/-2.85	-7.05/-3.76	-0.70/-0.57	-0.43/-0.10	-0.080/-37	1.00/-117	-0.70/-258	-0.740/-077	-1.20/-0.22
Θ (45°)	0.840/61	0.431/30	2.102/-11	2.663/26	3.062/43	0.76/-1.56	0.91/-0.12	2.492/-79	2.402/58	1.980/12	-1.36/-0.69	-0.21/-1.20	-3.28/-3.83	-3.18/-2.20	-0.540/-14	-0.61/-0.40	-0.91/-3.41	-0.35/-1.50	1.38/-1.13	1.71/-199	1.35/-165	-0.15/-2.06	-0.84/-1.09	-0.700/-65
Θ (52.5°)	0.73/-0.46	-0.380/90	2.362/-59	3.334/-35	4.303/-27	1.41/-1.33	-6.06/-1.93	2.183/-14	2.913/60	3.491/-06	-1.250/-92	-1.51/-0.31	-1.47/-1.28	-1.530/-68	1.39/-121	1.442/-18	1.14/-0.28	-0.06/-1.52	2.102/-10	2.532/-52	0.681/-34	0.950/-21	0.90/-108	-0.07/-1.25
Θ (60°)	-0.04/-1.11	-0.11/-0.35	1.832/-78	3.835/-66	5.182/-66	0.53/-0.90	-3.53/-4.31	-0.422/-53	3.464/-05	4.101/-79	-1.190/-50	1.71/-1.14	0.440/-03	0.150/-76	1.102/-09	1.501/-90	1.500/-88	0.44/-1.51	2.382/-31	2.222/-16	-0.330/-12	0.200/-39	1.31/-0.14	0.450/-58
Θ (67.5°)	-1.56/-1.17	0.32/-1.19	2.343/-82	5.656/-88	4.861/-92	0.70/-0.28	-0.81/-2.17	-2.742/-14	3.594/-12	4.211/-01	0.472/-04	2.932/-22	0.071/-13	0.230/-71	0.721/-85	0.822/-28	1.39/-0.47	0.531/-75	2.321/-62	1.891/-98	0.161/-04	1.020/-71	0.58/-0.58	-0.26/-0.41
Θ (75°)	-3.54/-2.93	-0.56/-1.40	2.093/-51	6.016/-73	4.150/-85	0.50/-0.22	0.200/-60	-4.221/-11	3.594/-04	4.241/-64	1.181/-89	2.842/-50	1.56/-0.21	-0.080/-50	0.110/-54	1.121/-12	0.071/-1.40	0.541/-54	1.841/-01	1.011/-42	1.481/-79	2.300/-95	-1.45/-1.50	-2.12/-3.31
Θ (82.5°)	-6.27/-5.43	-1.910/-17	0.582/-19	6.005/-59	1.94/-1.20	-0.320/-64	0.26/-0.17	-6.030/-25	2.913/-06	3.211/-11	1.442/-38	2.452/-03	-0.53/-1.39	-0.53/-0.68	-0.73/-1.05	0.880/-62	-1.61/-1.68	0.091/-22	1.441/-03	1.091/-47	1.852/-72	3.321/-40	-4.18/-3.44	-4.14/-6.71
Θ (90°)	-8.21/-9.11	-2.53/-2.02	-1.960/-72	4.453/-12	0.60/-4.15	-2.46/-1.99	-0.98/-1.48	-7.11/-2.11	1.381/-82	2.421/-18	0.271/-46	1.641/-45	-0.46/-2.90	-1.95/-1.55	-2.87/-2.09	-0.38/-1.60	-2.36/-4.73	-1.380/-18	-0.10/-0.66	-1.06/-0.03	0.331/-68	2.500/-21	-5.53/-6.60	-6.89/-8.36
Θ (97.5°)	-10.33/-10.17	-4.52/-4.56	-3.11/-0.55	2.000/-03	-4.16/-6.51	-4.03/-3.72	-2.98/-3.99	-7.97/-1.96	-0.000/-29	-0.50/-0.89	-1.290/-46	-0.720/-29	-1.33/-3.28	-2.31/-3.26	-2.30/-2.10	-2.25/-3.58	-3.48/-5.95	-3.57/-2.77	-2.61/-2.93	-2.87/-2.09	-2.221/-11	0.261/-192	-8.17/-8.56	-7.67/-12.82
Θ (105°)	-11.39/-11.53	-5.82/-5.95	-5.48/-2.73	-0.91/-3.34	-5.73/-8.22	-5.09/-4.84	-3.81/-5.41	-8.73/-3.12	-2.05/-2.32	-1.47/-2.17	-2.06/-1.26	-0.28/-2.03	-1.86/-4.26	-4.94/-3.91	-6.07/-5.26	-3.59/-3.83	-3.91/-8.13	-7.88/-5.90	-4.31/-7.31	-8.01/-10.29	-8.04/-7.03	-5.16/-6.40	-8.38/-7.01	-8.29/-13.04
Θ (112.5°)	-14.92/-15.54	-12.85/-8.86	-7.01/-5.15	-4.77/-8.18	-8.24/-9.06	-7.29/-5.22	-4.40/-6.73	-6.60/-3.39	-3.07/-3.35	-2.47/-4.38	-3.35/-2.61	-1.10/-2.81	-5.00/-2.66	-5.89/-6.31	-5.85/-5.52	-7.42/-6.00	-5.40/-9.77	-6.02/-7.35	-5.42/-10.71	-10.16/-8.69	-7.78/-8.27	-7.51/-6.25	-12.26/-8.32	-8.87/-14.43
Θ (120°)	-13.37/-11.89	-12.38/-8.74	-6.19/-6.77	-1.46/-6.61	-7.70/-8.98	-10.07/-9.34	-6.58/-9.78	-8.76/-5.59	-4.23/-5.00	-3.12/-4.29	-3.86/-5.33	-2.76/-5.63	-5.82/-6.04	-5.66/-6.61	-6.36/-5.55	-8.37/-5.99	-7.43/-8.76	-6.82/-7.15	-4.80/-7.57	-10.34/-8.64	-6.52/-7.83	-5.55/-5.47	-9.69/-12.82	-9.49/-14.98
Θ (127.5°)	-9.78/-13.86	-11.80/-9.06	-6.53/-6.70	-5.83/-8.63	-8.99/-10.74	-8.76/-9.16	-9.47/-13.88	-8.70/-5.41	-4.85/-7.05	-4.74/-4.64	-6.23/-5.69	-4.33/-7.11	-6.61/-6.25	-5.50/-8.46	-10.02/-12.56	-11.75/-6.11	-9.18/-12.40	-14.12/-9.53	-10.06/-7.48	-8.18/-12.95	-11.71/-9.37	-9.81/-9.39	-8.87/-12.22	-8.74/-11.46
Θ (135°)	-11.91/-14.95	-9.95/-8.24	-10.09/-9.19	-14.25/-11.84	-13.00/-13.36	-10.99/-12.62	-10.03/-12.44	-9.42/-8.72	-10.31/-10.62	-9.62/-8.73	-8.93/-9.66	-7.08/-6.84	-9.21/-6.95	-5.97/-8.41	-10.25/-8.12	-13.46/-9.37	-7.65/-13.44	-15.60/-10.16	-8.62/-13.61	-10.33/-12.25	-15.57/-12.14	-11.45/-14.69	-11.69/-8.32	-10.71/-11.18
Θ (142.5°)	-8.62/-7.53	-7.96/-8.06	-15.38/-13.11	-9.90/-12.33	-14.11/-10.94	-12.82/-12.29	-10.40/-12.52	-9.28/-8.75	-11.79/-9.80	-10.07/-9.63	-9.35/-9.41	-7.63/-6.12	-7.28/-8.37	-9.12/-10.19	-10.60/-12.48	-12.90/-9.07	-11.19/-15.21	-12.59/-9.67	-11.46/-11.78	-14.65/-12.74	-12.06/-12.09	-11.22/-12.22	-11.39/-8.63	-12.01/-12.14
Θ (150°)	-11.11/-10.69	-14.86/-12.82	-12.67/-14.88	-15.70/-15.19	-13.10/-11.45	-11.18/-10.29	-9.17/-9.32	-8.17/-9.53	-12.66/-10.94	-9.57/-10.14	-10.56/-9.61	-8.66/-7.87	-7.56/-6.80	-6.77/-9.28	-10.92/-10.19	-10.61/-12.25	-14.85/-14.99	-12.74/-14.24	-14.71/-11.70	-15.53/-14.75	-13.43/-14.10	-10.43/-14.29	-15.96/-12.15	-11.54/-14.17
Θ (157.5°)	-13.50/-12.62	-15.43/-13.88	-14.95/-15.05	-15.92/-15.04	-14.10/-11.89	-12.43/-14.13	-14.21/-13.65	-14.73/-15.88	-12.90/-9.40	-8.32/-9.86	-9.72/-9.17	-8.22/-8.10	-8.43/-8.35	-10.04/-10.69	-10.57/-13.09	-14.06/-10.24	-12.70/-11.58	-12.00/-13.44	-13.77/-13.84	-15.51/-14.60	-15.46/-13.33	-14.46/-14.13	-14.59/-12.49	-13.78/-13.01
Θ (165°)	-15.16/-16.09	-15.53/-15.59	-14.94/-14.70	-13																				

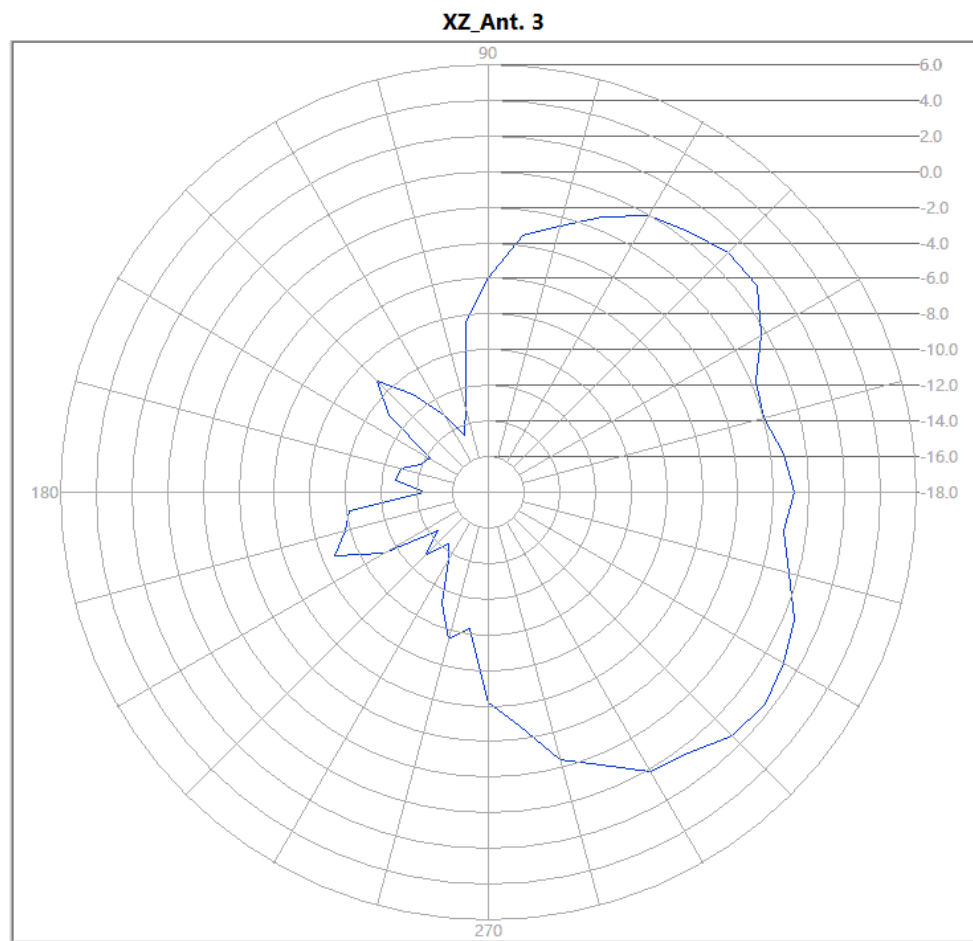


Antenna Pattern_Scanning Radio 5_2.4GHz, 5GHz UNII 1~4, 6GHz and Radio 6 Bluetooth Appendix K

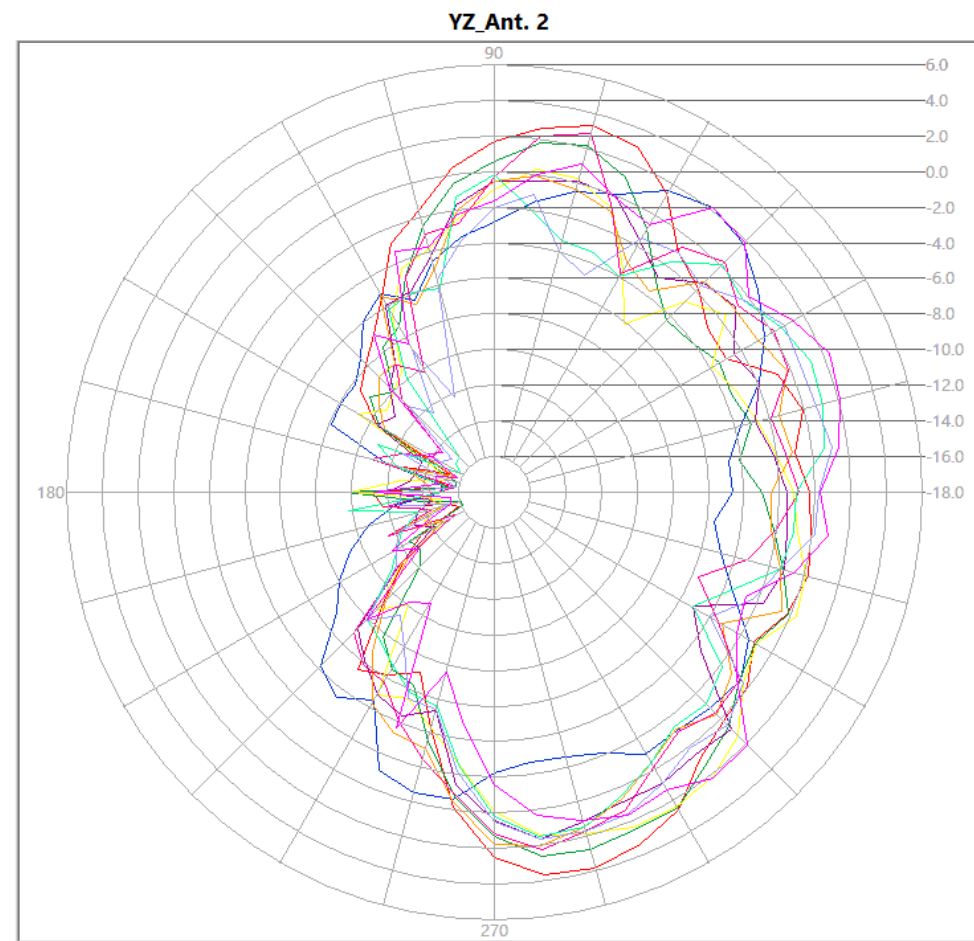
Θ(157.5°)	-15.01/-15.60	-9.68/-13.52	-15.43/-15.90	-13.49/-9.82	-9.29/-11.01	-15.25/-15.95	-12.40/-13.06	-15.33/-13.48	-11.78/-13.49	-12.86/-9.92	-10.41/-12.15	-12.22/-10.24	-9.17/-7.57	-6.61/-7.75	-12.53/-10.74	-9.28/-13.63	-10.91/-10.66	-11.30/-10.34	-11.53/-12.71	-10.77/-12.26	-16.00/-14.56	-15.28/-12.64	-11.24/-10.70	-11.14/-10.59
Θ(165°)	-15.18/-15.79	-15.36/-15.51	-12.40/-13.61	-14.00/-14.16	-14.44/-13.68	-11.43/-9.65	-10.82/-14.26	-15.27/-12.85	-10.57/-10.25	-10.99/-11.06	-11.42/-11.89	-11.00/-12.92	-14.22/-13.45	-15.66/-12.77	-10.55/-10.69	-11.54/-10.33	-10.32/-11.21	-12.41/-12.54	-14.39/-12.99	-12.58/-13.35	-14.66/-15.30	-14.88/-14.80	-13.86/-13.75	-15.01/-13.24
Θ(172.5°)	-15.29/-15.19	-15.45/-15.26	-15.31/-15.82	-12.30/-14.43	-14.42/-14.60	-14.55/-15.27	-15.80/-15.47	-15.07/-13.38	-12.94/-12.71	-10.99/-11.58	-11.12/-12.20	-14.26/-15.46	-14.73/-12.81	-12.70/-13.04	-14.19/-12.75	-12.77/-10.70	-12.63/-11.26	-11.06/-11.41	-11.82/-11.71	-12.77/-11.46	-15.81/-15.02	-14.52/-14.82	-14.21/-13.43	-14.09/-13.58
Θ(180°)	-11.30/-10.56	-11.17/-11.82	-12.88/-11.95	-11.11/-11.77	-12.78/-12.70	-13.40/-14.49	-14.78/-14.83	-13.91/-13.59	-12.96/-12.46	-13.01/-13.66	-14.60/-14.01	-14.78/-12.92	-11.18/-10.60	-11.69/-13.13	-13.42/-13.85	-13.70/-12.55	-11.95/-11.34	-11.04/-11.32	-12.27/-13.42	-13.18/-13.01	-11.74/-9.92	-8.60/-8.83	-9.27/-8.79	-8.23/-9.15
Freq(Hz)	6.475GPol.	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°)	-0.83/-0.70	-0.27/-0.21	-0.48/-0.71	-0.71/-0.88	-1.11/-1.02	-0.95/-1.11	-1.09/-0.97	-0.89/-0.88	-0.95/-0.97	-1.35/-1.45	-1.24/-0.74	-0.71/-0.73	-0.61/-0.12	0.36/-0.40	0.44/-0.40	0.68/-0.01	1.21/-1.23	1.25/-1.04	0.72/-0.53	0.19/-0.30	-0.45/-0.27	-0.49/-0.43	-0.34/-0.44	-0.27/-0.35
Θ(7.5°)	-0.38/-0.33	0.80/-1.14	1.47/-1.25	1.21/-1.18	1.16/-0.95	1.05/-0.75	0.63/-0.53	0.27/-0.07	-0.08/-0.26	-0.86/-1.22	-1.30/-1.06	-0.83/-1.07	-1.50/-0.78	-0.49/-0.54	-1.13/-1.43	-0.82/-0.44	-0.40/-0.58	-0.73/-0.76	-1.04/-1.08	-1.27/-1.66	-2.13/-1.90	-1.26/-1.21	-1.35/-0.64	-0.46/-0.83
Θ(15°)	-0.54/-0.44	0.25/-1.09	1.66/-1.57	1.61/-1.50	1.39/-1.45	1.43/-1.23	1.05/-0.71	0.37/-0.39	0.43/-0.34	0.29/-0.17	-0.23/-0.46	-0.17/-0.23	-0.22/-0.76	-0.25/-0.29	-0.24/-0.91	-0.97/-0.49	-0.42/-0.23	-0.20/-0.53	-1.41/-2.84	-4.08/-5.13	-5.29/-4.33	-3.33/-3.11	-2.31/-1.31	-1.08/-0.84
Θ(22.5°)	-5.79/-5.40	-3.34/-1.48	-0.37/-0.27	0.87/-1.06	1.17/-1.31	1.40/-1.30	1.21/-1.15	0.89/-0.68	0.37/-0.23	-0.49/-1.14	-2.47/-2.85	-2.71/-2.69	-1.77/-2.15	-1.28/-0.35	-1.11/-2.31	-3.22/-3.42	-3.38/-3.42	-2.88/-2.82	-3.63/-4.82	-5.86/-4.96	-3.88/-3.18	-2.62/-2.54	-3.62/-4.68	-4.78/-5.42
Θ(30°)	-7.18/-7.38	-6.54/-7.08	-5.09/-2.70	-1.24/-0.36	0.37/-0.92	1.09/-0.74	0.51/-0.94	1.65/-2.50	2.66/-1.71	0.44/-1.26	-3.29/-4.28	-3.80/-4.47	-5.35/-5.70	-4.39/-3.56	-2.95/-2.36	-2.66/-3.77	-3.91/-4.15	-4.39/-4.72	-5.17/-3.87	-2.65/-4.29	-3.34/-3.29	-2.66/-3.20	-5.21/-6.46	-5.62/-5.24
Θ(37.5°)	-5.08/-3.14	-4.85/-8.49	-4.84/-1.83	-0.59/-0.60	-1.22/-1.66	-0.65/-0.57	-0.36/-0.40	0.96/-2.59	3.47/-3.01	1.77/-1.06	-1.13/-2.96	-5.49/-5.82	-5.04/-3.58	-2.37/-1.36	-2.52/-2.40	-1.54/-1.45	-1.54/-2.63	-4.73/-1.89	-1.93/-0.80	0.44/-0.99	-3.33/-3.65	-2.16/-2.32	-5.24/-3.76	-2.83/-5.48
Θ(45°)	-1.99/-1.59	-4.95/-7.85	-5.57/-0.52	1.34/-1.33	1.15/-0.93	-2.14/-2.54	0.06/-1.34	1.56/-1.86	2.11/-2.19	1.24/-1.27	2.19/-1.04	-0.51/-2.45	-5.15/-3.80	-3.96/-2.24	-1.49/-3.12	-1.80/-1.17	-1.21/-0.39	-3.10/-2.64	-1.17/-0.59	1.23/-1.58	1.19/-0.01	-0.96/-1.51	-4.47/-3.29	-2.09/-3.92
Θ(52.5°)	-1.89/-4.72	-5.69/-5.66	-0.98/-0.38	3.96/-2.63	1.69/-2.29	0.58/-4.36	-1.71/-0.89	2.59/-1.91	-0.10/-0.94	1.51/-1.99	3.13/-4.3	0.83/-2.57	-4.26/-3.47	-2.40/-1.54	0.64/-1.29	-0.90/-0.31	-0.19/-0.64	-2.49/-1.55	-1.44/-2.25	-0.14/-1.66	2.27/-1.95	0.99/-0.84	-1.88/-1.70	-0.41/-0.87
Θ(60°)	-1.27/-5.65	-4.94/-3.64	1.19/-3.79	4.10/-2.43	1.61/-2.22	1.69/-2.70	4.04/-1.66	2.58/-2.24	-1.32/-0.77	1.80/-4.9	1.91/-0.08	1.68/-1.44	-3.54/-3.82	-2.25/-2.26	-0.49/-0.96	-1.01/-0.04	-0.27/-1.33	-0.42/-2.52	-2.02/-0.50	1.32/-0.65	-0.84/-1.53	0.65/-0.88	1.28/-2.33	
Θ(67.5°)	0.85/-4.34	-6.30/-2.23	2.53/-4.29	3.81/-2.17	1.87/-1.40	1.57/-0.38	-3.47/-2.71	2.51/-2.97	-0.65/-0.31	-0.61/-1.61	3.01/-3.59	1.94/-2.02	-2.21/-3.66	-0.55/-0.49	-0.11/-1.72	-1.95/-0.02	0.50/-2.17	0.35/-0.12	0.49/-0.99	-0.88/-0.39	0.13/-0.42	-2.09/-0.86	1.36/-1.25	1.41/-1.80
Θ(75°)	0.65/-2.78	-6.91/-1.33	2.78/-5.55	3.66/-2.53	1.63/-1.10	-0.25/-0.97	-3.37/-3.96	1.45/-3.63	-1.10/-2.23	-2.39/-2.99	2.05/-3.49	2.74/-0.45	-2.96/-3.84	-1.78/-0.16	1.18/-2.46	-2.34/-0.71	1.20/-1.46	-0.04/-0.53	1.45/-0.23	-1.21/-0.54	-0.21/-0.60	-1.59/-0.17	0.65/-0.81	0.87/-1.39
Θ(82.5°)	-0.53/-3.12	-6.25/-1.72	1.61/-3.30	2.69/-2.43	0.62/-0.25	-2.85/-2.18	-0.22/-2.86	0.46/-3.03	-0.29/-4.90	-4.62/-3.45	1.48/-3.00	1.67/-1.90	-4.01/-4.20	-0.38/-0.44	0.53/-2.28	-3.25/-1.82	0.15/-2.02	0.13/-0.01	1.48/-0.21	1.34/-0.43	0.18/-0.15	-0.34/-1.22	-0.86/-0.72	-0.46/-0.53
Θ(90°)	-2.64/-4.07	-5.23/-3.91	-0.73/-1.71	1.34/-0.85	-0.75/-0.51	-4.88/-1.77	-0.17/-2.29	-0.36/-1.58	-1.47/-6.06	-7.08/-3.60	-0.36/-1.00	0.95/-2.06	-4.26/-6.45	-2.33/-1.52	0.00/-2.99	-3.75/-4.99	-1.20/-2.72	-0.80/-0.34	0.20/-0.33	-2.57/-1.32	-1.47/-1.23	-0.91/-2.84	-3.51/-2.56	-2.26/-3.11
Θ(97.5°)	-5.88/-7.04	-5.60/-6.37	-2.39/-0.52	-0.18/-2.19	-2.30/-2.23	-5.93/-2.61	-1.27/-2.90	-2.17/-0.91	-4.19/-9.45	-8.82/-5.03	-1.17/-0.20	-4.20/-2.52	-6.15/-7.03	-1.95/-2.23	-2.01/-3.75	-6.45/-6.94	-3.16/-4.63	-2.92/-2.76	-2.59/-3.34	-6.80/-5.92	-5.40/-6.56	-2.88/-5.57	-7.10/-5.01	-4.87/-6.36
Θ(105°)	-9.13/-9.97	-7.34/-4.85	-3.40/-0.73	-2.66/-4.94	-7.37/-2.22	-6.31/-7.01	-6.34/-3.21	-6.28/-11.56	-8.21/-5.32	-3.18/-1.85	-2.23/-9.00	-5.18/-0.17	-5.80/-3.94	-3.16/-5.26	-4.79/-3.67	-4.68/-5.39	-4.79/-3.76	-5.56/-3.53	-13.22/-11.35	-9.10/-13.10	-8.47/-8.78	-8.11/-5.66	-11.00/-5.38	
Θ(112.5°)	-11.52/-9.28	-14.28/-11.69	-4.71/-4.31	-7.01/-9.84	-8.60/-9.35	-7.91/-6.98	-5.88/-6.17	-5.76/-4.40	-10.75/-11.74	-8.47/-7.12	-4.22/-4.00	-4.88/-8.01	-7.59/-11.08	-4.90/-5.96	-3.64/-7.51	-9.38/-9.39	-5.20/-6.53	-7.79/-3.96	-5.81/-6.69	-9.44/-7.36	-10.97/-14.94	-9.17/-7.36	-8.73/-9.58	-8.65/-6.10
Θ(120°)	-13.27/-12.60	-15.30/-10.59	-7.38/-5.04	-8.24/-11.98	-8.78/-8.24	-8.86/-6.63	-6.16/-6.95	-8.68/-8.07	-11.80/-12.51	-10.26/-8.48	-5.38/-6.89	-5.18/-7.80	-8.51/-5.85	-5.32/-6.96	-7.91/-12.39	-6.68/-9.64	-8.85/-11.32	-9.11/-9.47	-8.53/-10.03	-11.77/-14.78	-8.53/-10.34	-10.97/-11.67	-10.82/-12.03	
Θ(127.5°)	-11.15/-14.32	-14.70/-10.00	-6.59/-6.39	-11.01/-10.65	-12.59/-13.92	-9.90/-11.18	-14.36/-11.72	-14.50/-11.28	-12.01/-11.20	-10.98/-11.70	-7.99/-5.82	-8.61/-6.84	-12.68/-10.85	-8.21/-5.48	-7.57/-7.04	-8.63/-8.68	-7.38/-12.24	-11.91/-8.36	-11.57/-10.97	-10.65/-12.12	-11.47/-14.79	-16.03/-11.34	-10.27/-11.67	-11.02/-13.09
Θ(135°)	-11.58/-11.60	-13.34/-12.30	-8.72/-11.23	-15.82/-15.72	-14.35/-13.81	-12.85/-12.69	-15.29/-12.67	-15.00/-12.10	-12.45/-10.83	-10.60/-9.90	-9.08/-9.07	-8.72/-10.46	-11.30/-11.60	-11.27/-8.82	-9.03/-6.20	-8.25/-7.63	-8.84/-10.74	-10.86/-9.78	-7.92/-10.20	-15.19/-12.04	-9.91/-9.01	-13.72/-15.82	-8.05/-14.29	-8.85/-14.19
Θ(142.5°)	-11.02/-12.91	-9.80/-12.32	-11.52/-11.30	-14.97/-14.88	-13.18/-11.00	-11.50/-10.04	-15.26/-13.33	-15.92/-12.85	-13.36/-10.00	-11.01/-10.14	-7.66/-6.73	-7.79/-9.83	-10.98/-10.34	-11.49/-8.48	-8.33/-7.57	-7.79/-8.65	-11.49/-12.70	-12.94/-10.48	-10.72/-11.61	-14.43/-12.42	-12.55/-9.79	-10.44/-11.26	-14.56/-10.32	-12.77/-10.55
Θ(150°)	-13.31/-14.72	-13.91/-14.11	-13.19/-13.70	-13.27/-11.92	-13.66/-10.70	-10.13/-13.73	-15.76/-14.47	-15.14/-9.86	-13.93/-10.82	-8.45/-11.47	-11.10/-9.38	-10.87/-11.70	-12.98/-13.63	-10.52/-9.71	-8.49/-7.61	-9.39/-11.67	-12.49/-14.60	-13.99/-11.88	-11.73/-13.93	-13.75/-12.55	-11.15/-15.59	-11.84/-12.46	-16.32/-13.24	-10.96/-14.99
Θ(157.5°)	-15.55/-12.68	-10.93/-15.28	-15.88/-13.73	-11.75/-12.15	-10.54/-12.14	-15.43/-12.33	-10.96/-12.73	-14.45/-11.50	-14.89/-14.90	-11.89/-9.22	-9.87/-10.72	-11.30/-10.08	-11.94/-11.17	-9.98/-10.29	-10.42/-12.23	-13.84/-14.77	-12.94/-10.45	-14.70/-14.25	-12.35/-15.97	-15.62/-14.44	-15.28/-15.59	-14.34/-12.24	-12.45/-11.93	-10.73/-14.21
Θ(165°)	-15.83/-15.87	-14.40/-12.83	-14.10/-15.88	-15.90/-14.67	-15.26/-13.22	-10.66/-9.96	-12.41/-15.66	-12.84/-10.09	-9.29/-10.84	-11.88/-11.65	-13.76/-14.85	-13.08/-12.82	-14.42/-15.09	-13.80/-12.94	-12.95/-12.32	-12.23/-10.72	-13.48/-13.00	-13.27/-13.41	-13.58/-13.85	-15.72/-14.97	-16.01/-14.65	-15.72/-15.73	-14.10/-15.51	-14.83/-16.01
Θ(172.5°)	-15.68/-15.32	-15.65/-15.88	-14.95/-13.98	-14.08/-14.07	-13.53/-14.22	-14.21/-15.46	-15.18/-15.09	-14.08/-13.44	-13.27/-16.20	-15.42/-15.66	-15.36/-14.78	-14.67/-14.53	-14.83/-16.20	-14.12/-14.07	-13.17/-12.34	-11.87/-12.94	-13.67/-12.07	-10.35/-9.62	-9.78/-9.31	-10.34/-12.65	-15.00/-15.10	-14.94/-15.75	-15.19/-16.08	-15.28/-16.06
Θ(180°)	-13.41/-13.78	-14.28/-14.14	-13.17/-13.60	-13.43/-12.74	-11.46/-11.97	-13.44/-14.42	-15.11/-14.82	-14.82/-14.06	-13.71/-13.02	-13.46/-13.37	-13.08/-13.82	-13.33/-13.32	-15.29/-16.20	-14.92/-15.85	-15.40/-15.04	-15.85/-15.13	-14.77/-14.59	-13.85/-12.97	-13.44/-14.45	-15.78/-14.00	-12.52/-12.43	-11.97/-11.08	-10.97/-10.69	-10.42/-12.03
Freq(Hz)	6.695GPol.	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°)	0.51/-0.50	0.32/-0.01	0.36/-0.55	0.43/-0.07	0.09/-0.25	0.05/-0.27	0.20/-0.20	0.26/-0.16	0.15/-0.37	0.48/-0.53	0.33/-0.35	0.88/-0.77	0.60/-0.78	1.46/-1.09	0.57/-0.99	1.19/-1.14	0.98/-0.87	0.90/-0.88	0.84/-0.67	0.78/-0.70	0.50/-0.53	0.62/-0.60	0.64/-0.67	

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 $\Theta(0-180)\Phi(270)$

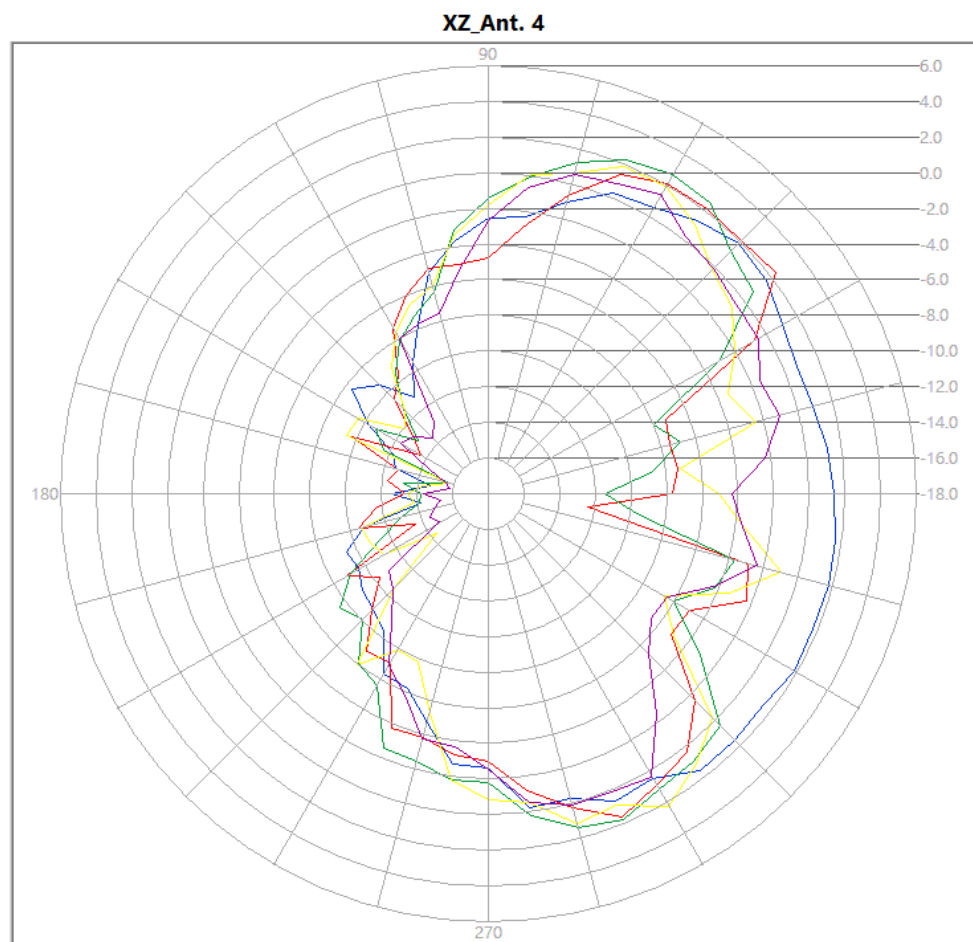




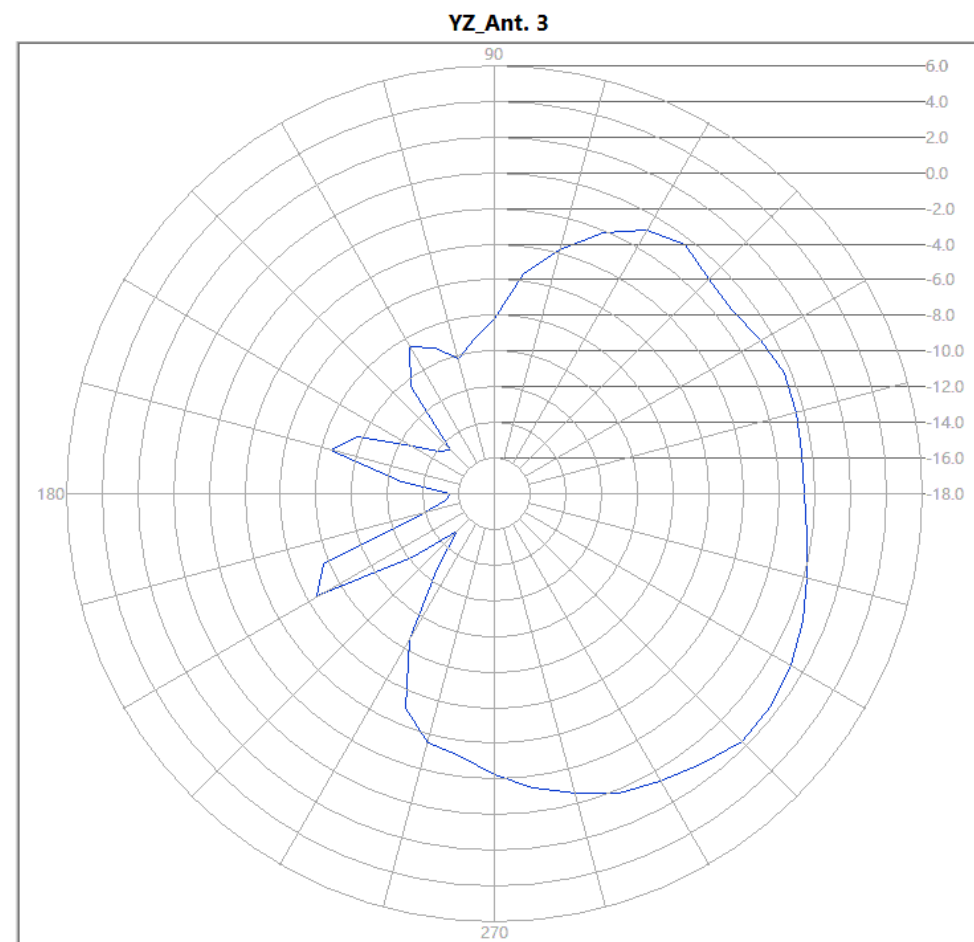
2.45G_Total Gain_1.54_0(322.5)Φ(0)
5.2G_Total Gain_N/A_0(0)Φ(0)
5.3G_Total Gain_N/A_0(0)Φ(0)
5.6G_Total Gain_N/A_0(0)Φ(0)
5.785G_Total Gain_N/A_0(0)Φ(0)
5.885G_Total Gain_N/A_0(0)Φ(0)
6.175G_Total Gain_N/A_0(0)Φ(0)
6.475G_Total Gain_N/A_0(0)Φ(0)
6.695G_Total Gain_N/A_0(0)Φ(0)
6.995G_Total Gain_N/A_0(0)Φ(0)



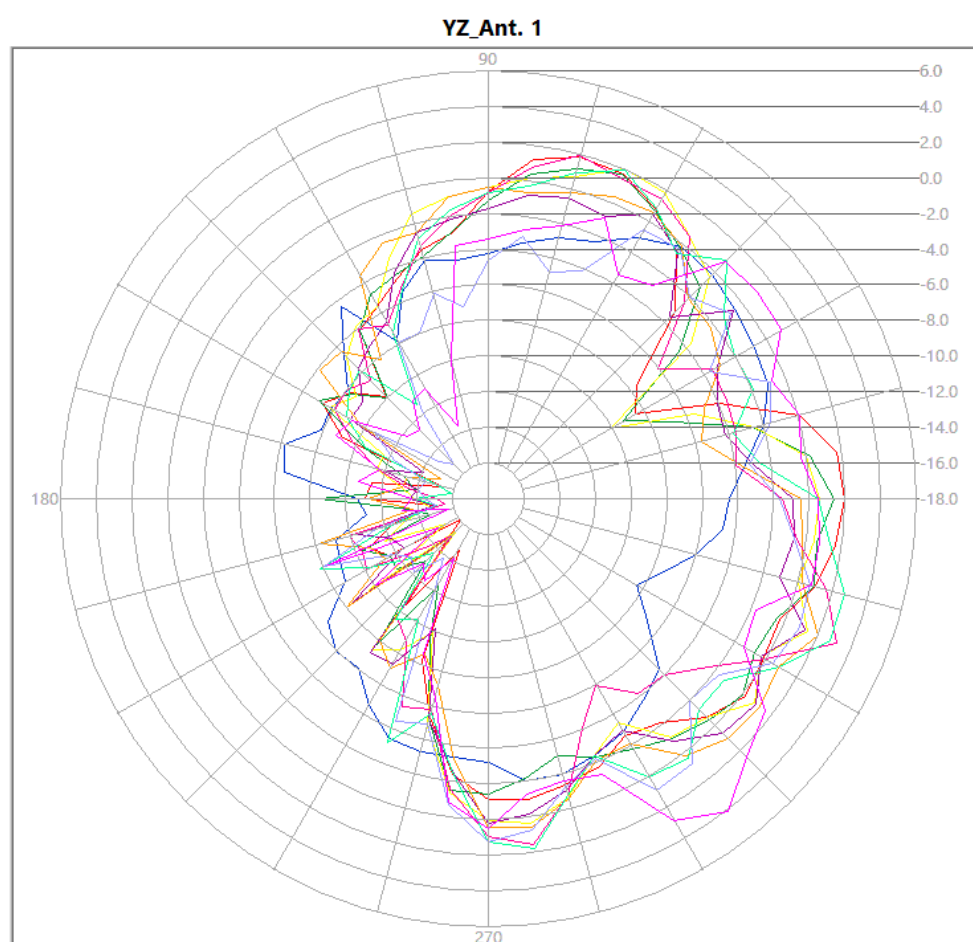
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5.2G_Total Gain_3.87_0(0)Φ(285)
5.3G_Total Gain_2.79_0(0)Φ(285)
5.6G_Total Gain_2.38_0(0)Φ(300)
5.785G_Total Gain_1.65_0(0)Φ(277.5)
5.885G_Total Gain_2.01_0(0)Φ(277.5)
6.175G_Total Gain_2.83_0(0)Φ(75)
6.475G_Total Gain_1.48_0(0)Φ(277.5)
6.695G_Total Gain_1.72_0(0)Φ(285)
6.995G_Total Gain_2.37_0(0)Φ(22.5)



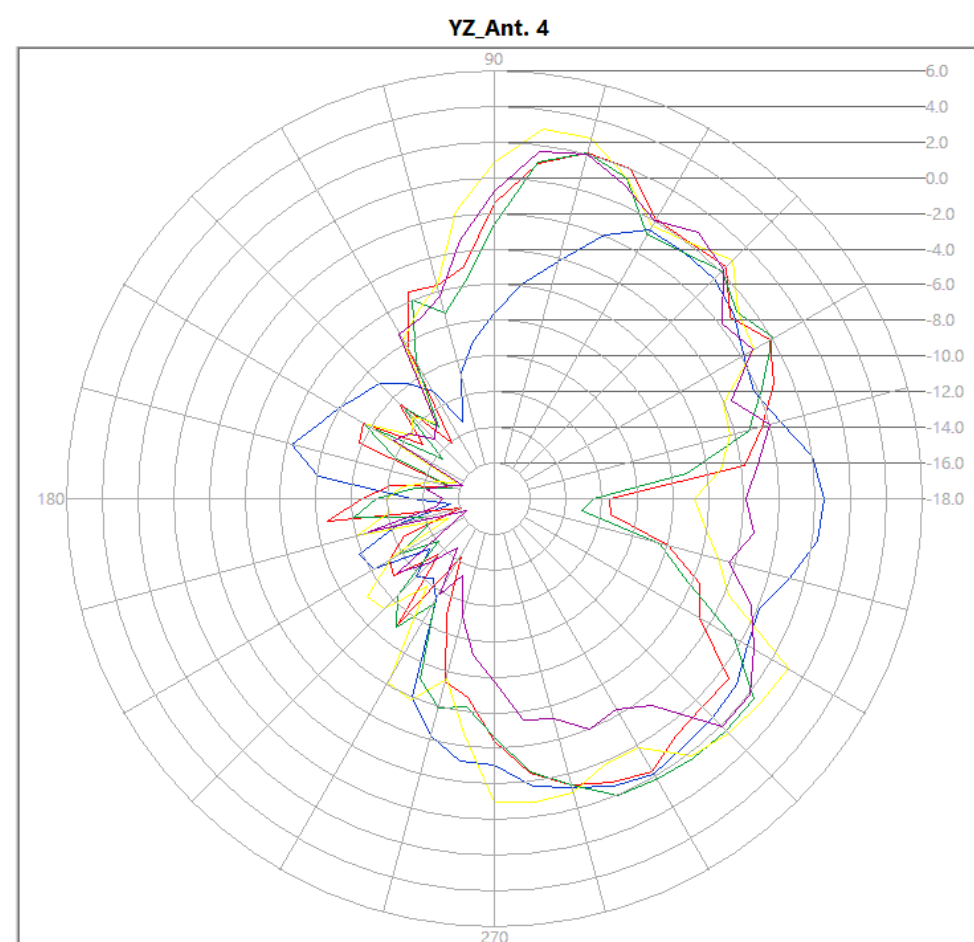
2.45G_Total Gain_1.91_0(45)Φ(0)
5.2G_Total Gain_2.36_0(37.5)Φ(0)
5.3G_Total Gain_2.67_0(60)Φ(0)
5.6G_Total Gain_2.22_0(300)Φ(0)
5.785G_Total Gain_1.37_0(60)Φ(0)



2.45G_Total Gain_1.64_0(0)Φ(315)
5.2G_Total Gain_N/A_0(0)Φ(0)
5.3G_Total Gain_N/A_0(0)Φ(0)
5.6G_Total Gain_N/A_0(0)Φ(0)
5.785G_Total Gain_N/A_0(0)Φ(0)
5.885G_Total Gain_N/A_0(0)Φ(0)
6.175G_Total Gain_N/A_0(0)Φ(0)
6.475G_Total Gain_N/A_0(0)Φ(0)
6.695G_Total Gain_N/A_0(0)Φ(0)
6.995G_Total Gain_N/A_0(0)Φ(0)



2.45G_Total Gain_-0.19_0(0)Φ(52.5)
5.2G_Total Gain_2.01_0(0)Φ(0)
5.3G_Total Gain_1.69_0(0)Φ(67.5)
5.6G_Total Gain_1.99_0(0)Φ(67.5)
5.785G_Total Gain_1.21_0(0)Φ(337.5)
5.885G_Total Gain_2.05_0(0)Φ(337.5)
6.175G_Total Gain_3.13_0(0)Φ(337.5)
6.475G_Total Gain_2.77_0(0)Φ(337.5)
6.695G_Total Gain_1.26_0(0)Φ(270)
6.995G_Total Gain_4.14_0(0)Φ(307.5)



2.45G_Total Gain_0.52_0(0)Φ(0)
5.2G_Total Gain_2.1_0(0)Φ(75)
5.3G_Total Gain_2.04_0(0)Φ(75)
5.6G_Total Gain_2.93_0(0)Φ(82.5)
5.785G_Total Gain_1.98_0(0)Φ(75)