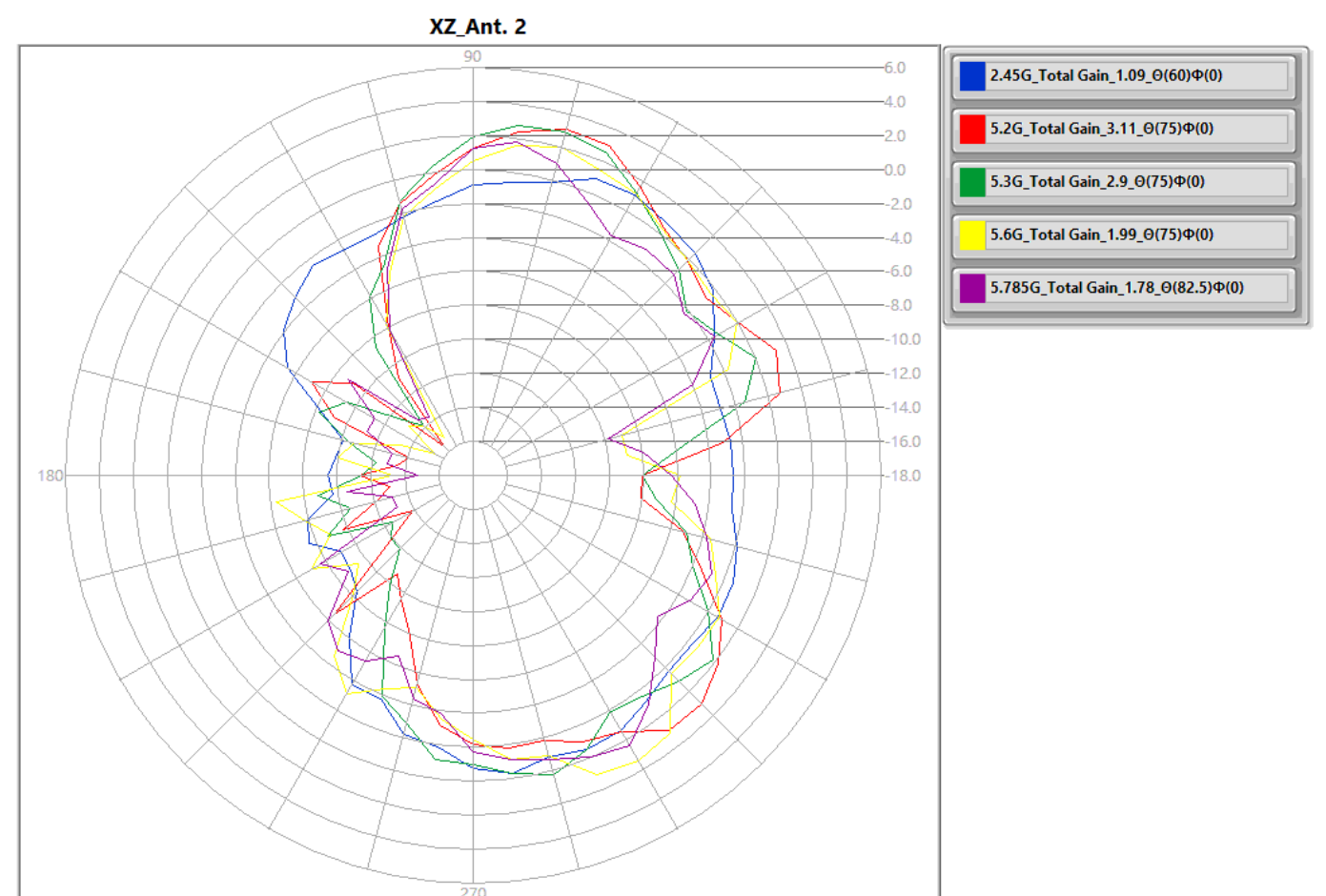
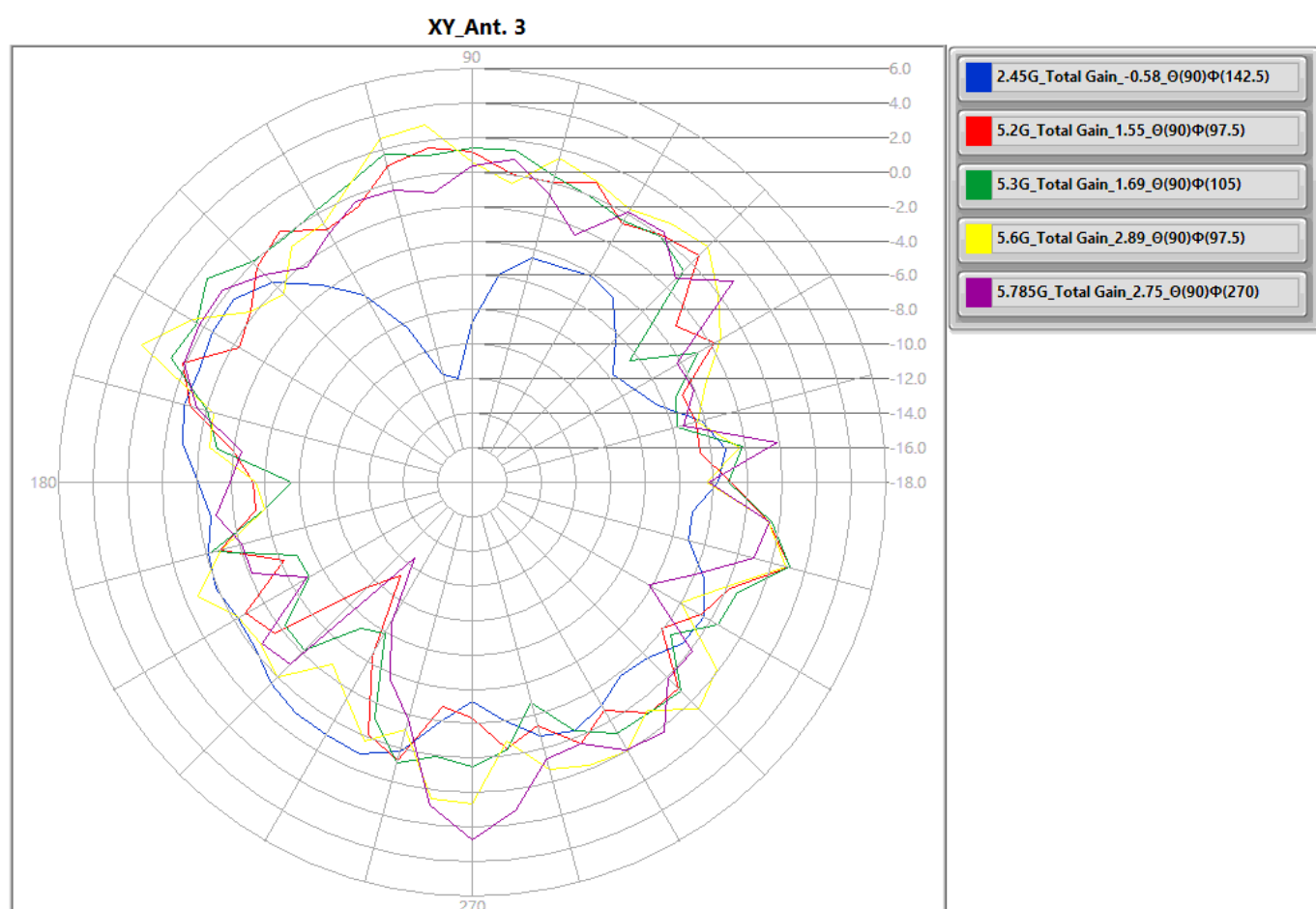
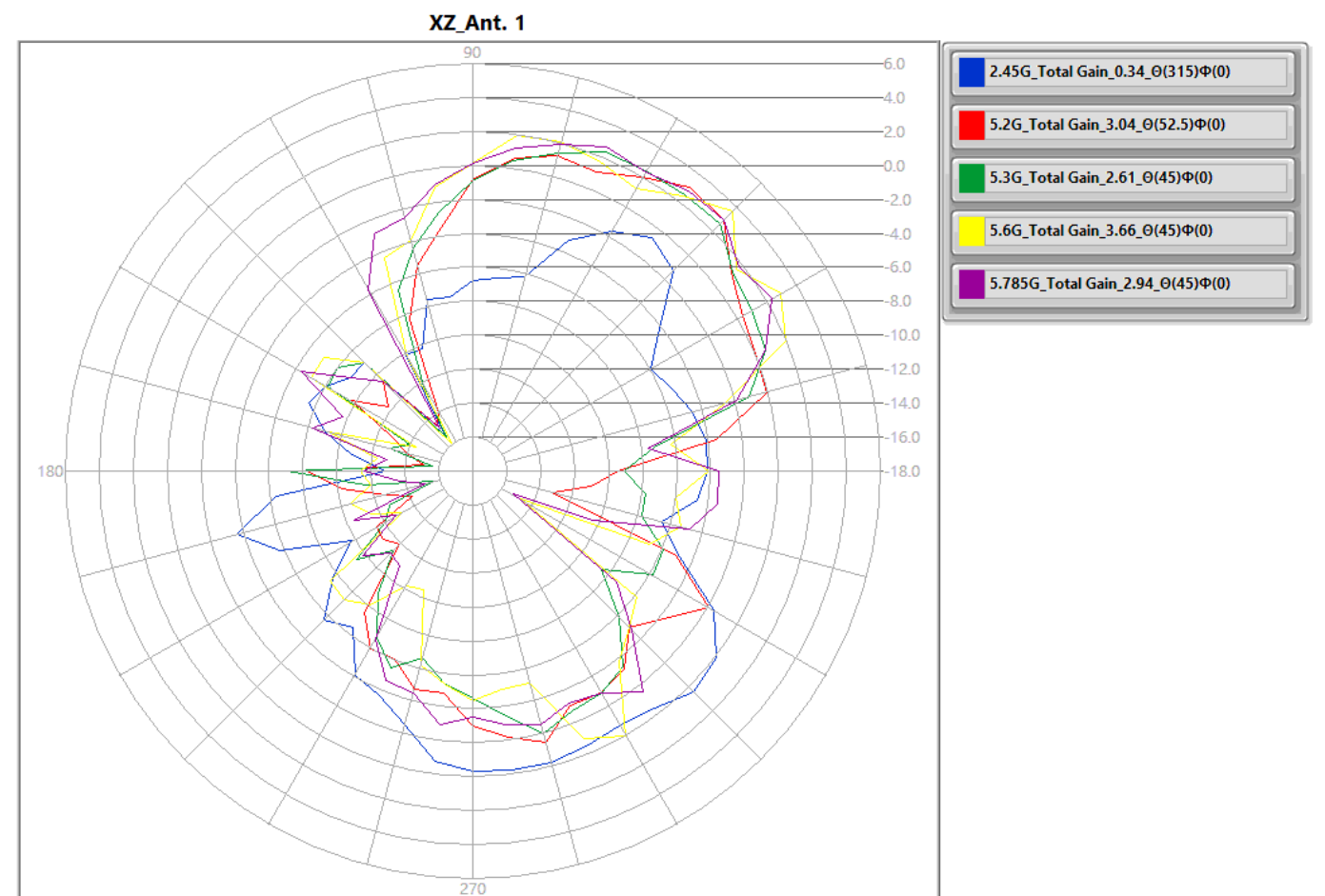
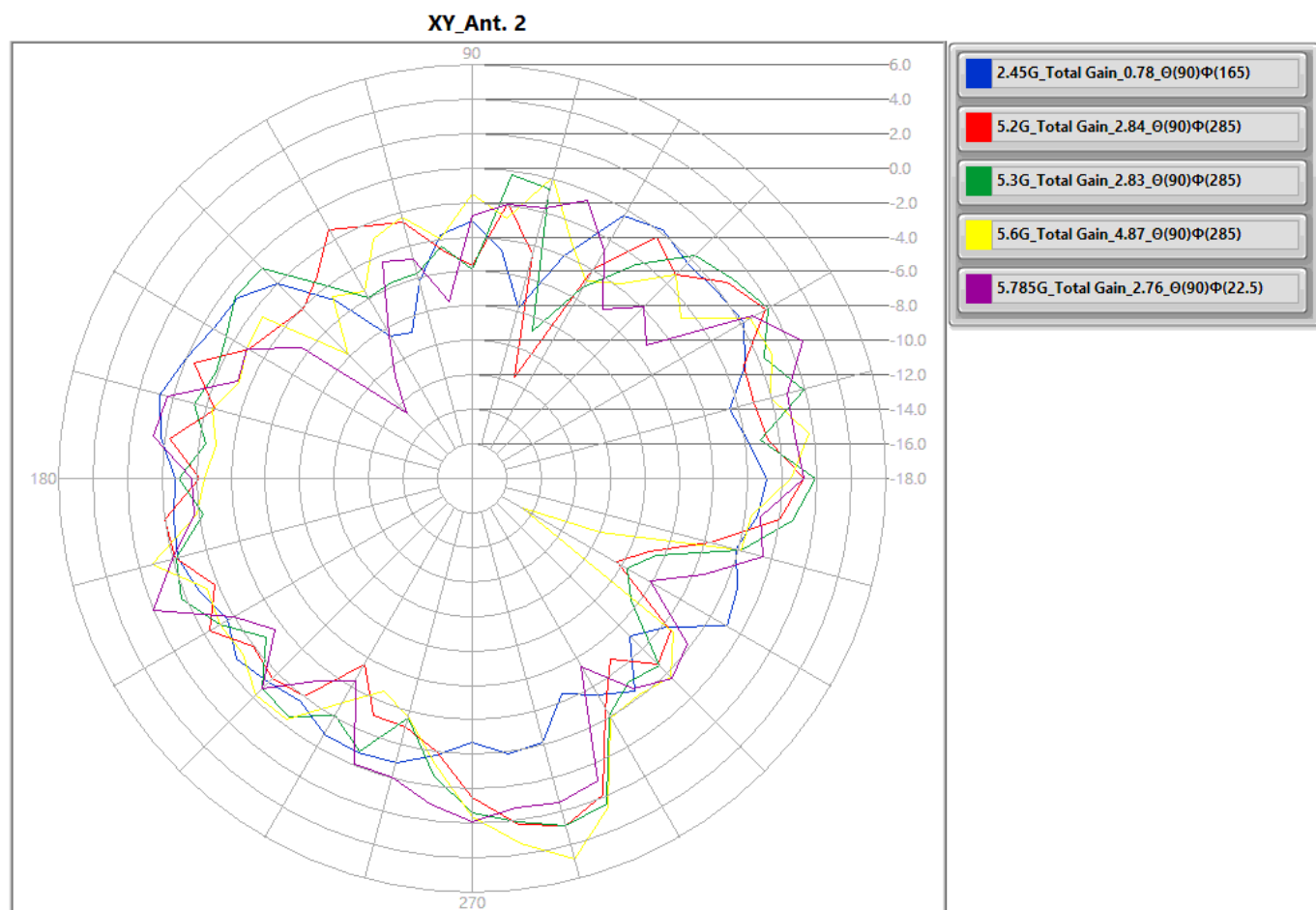
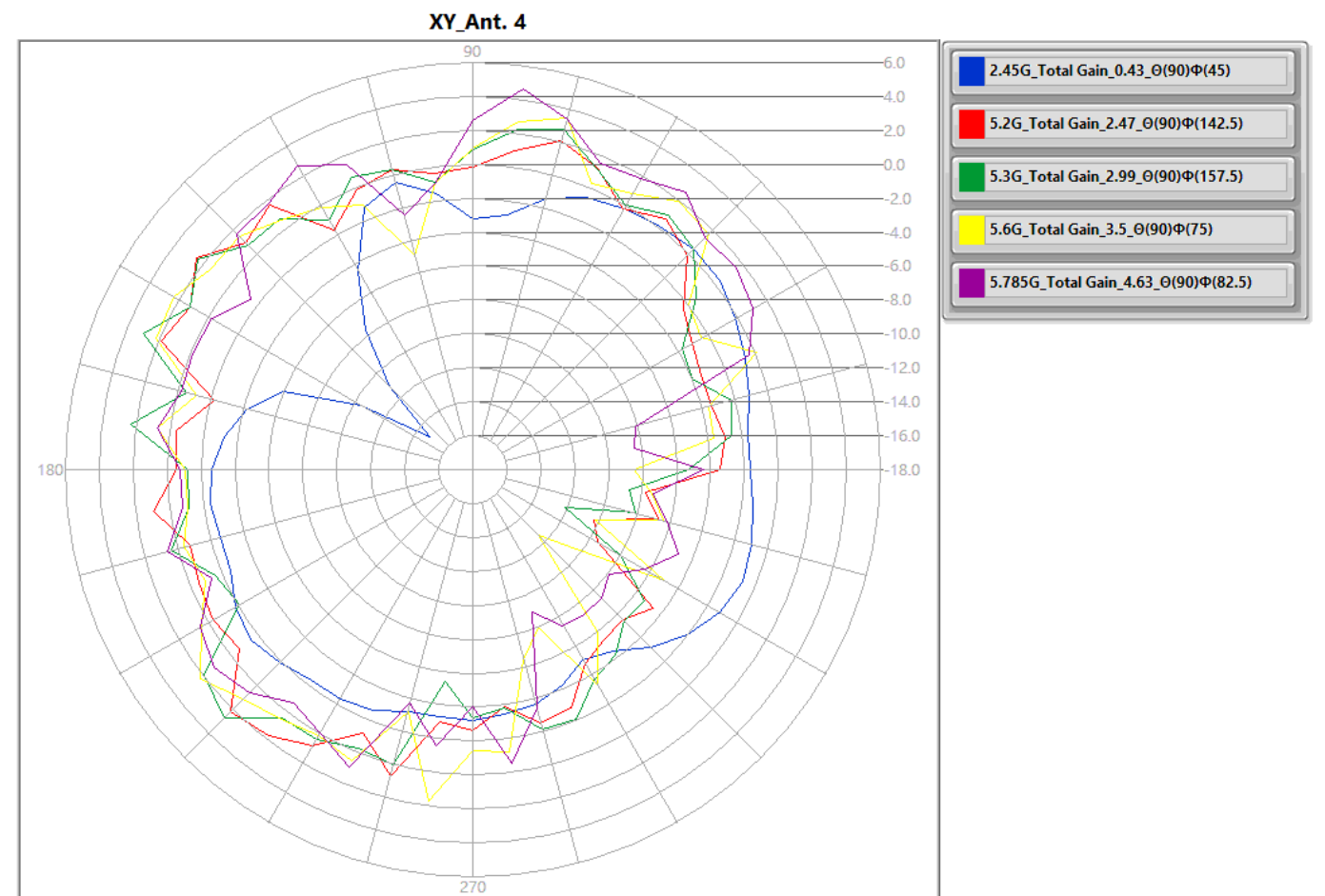
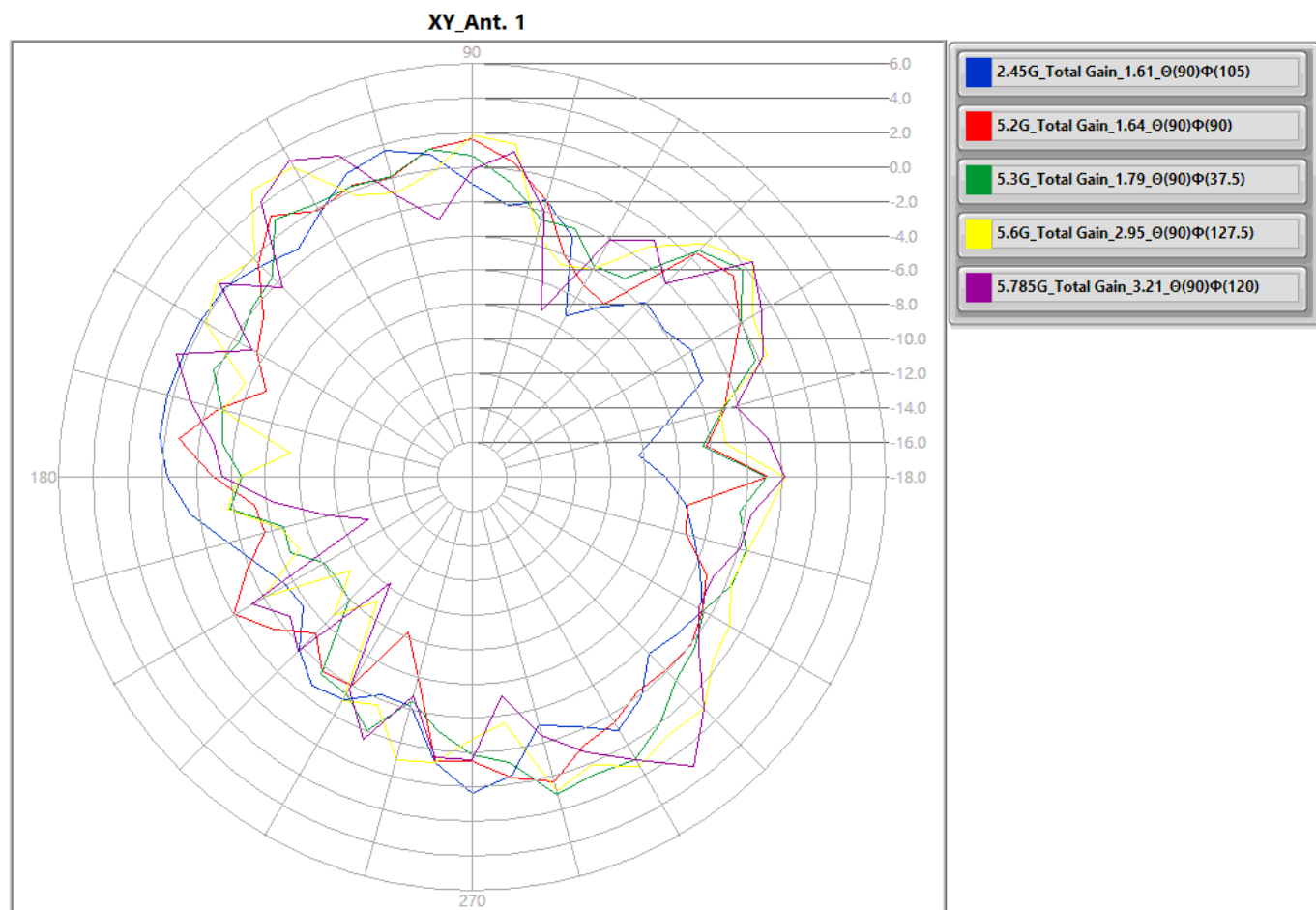
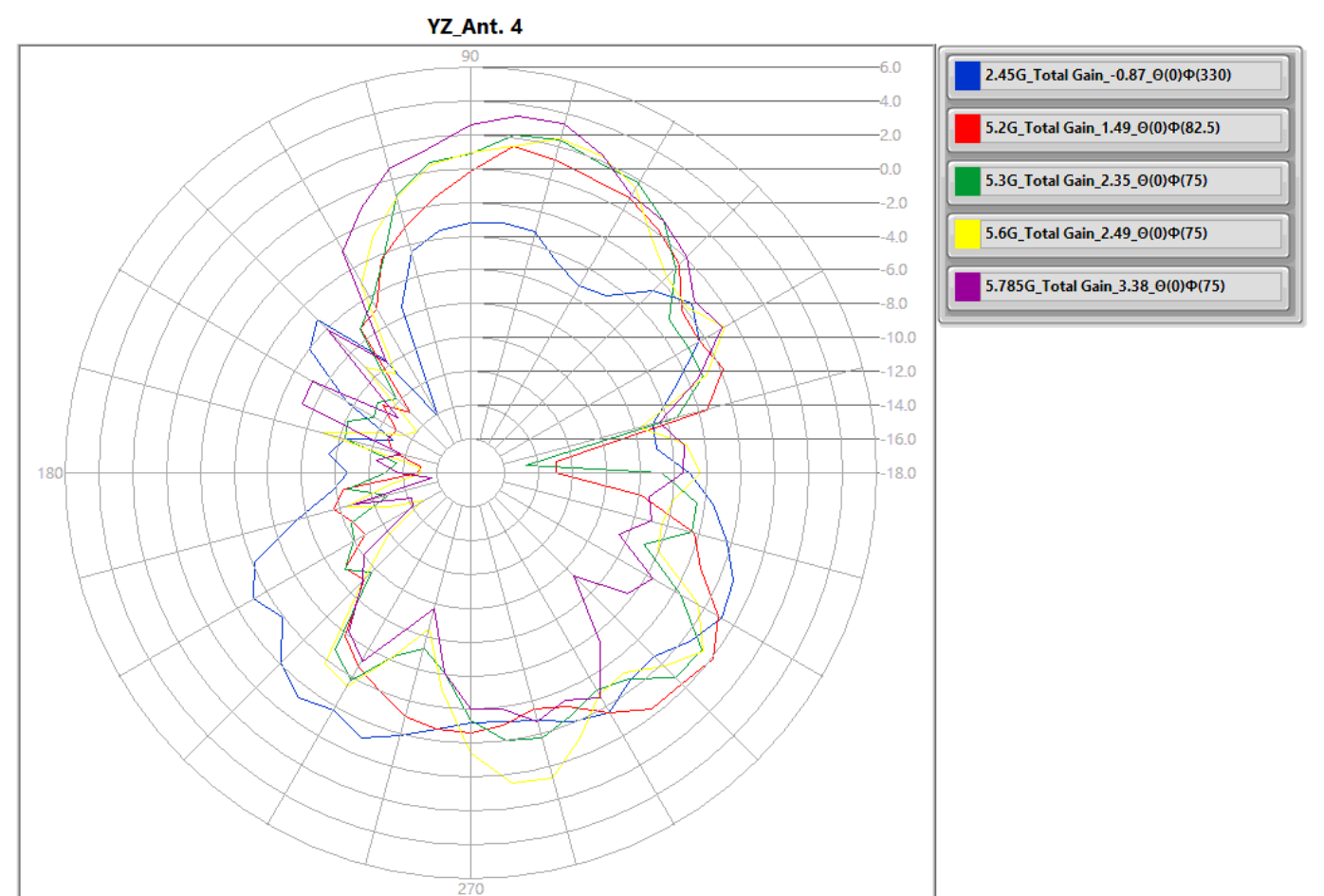
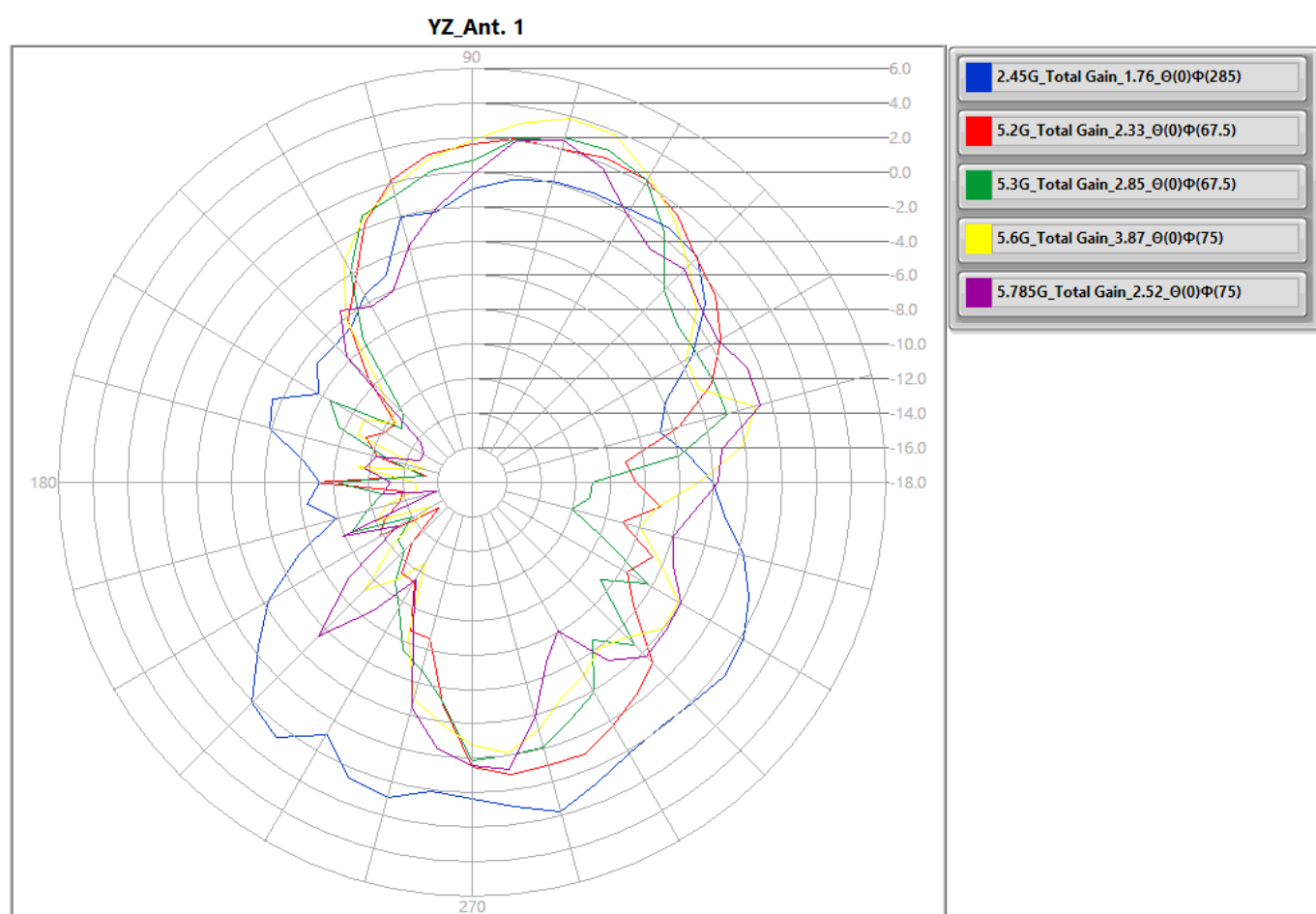
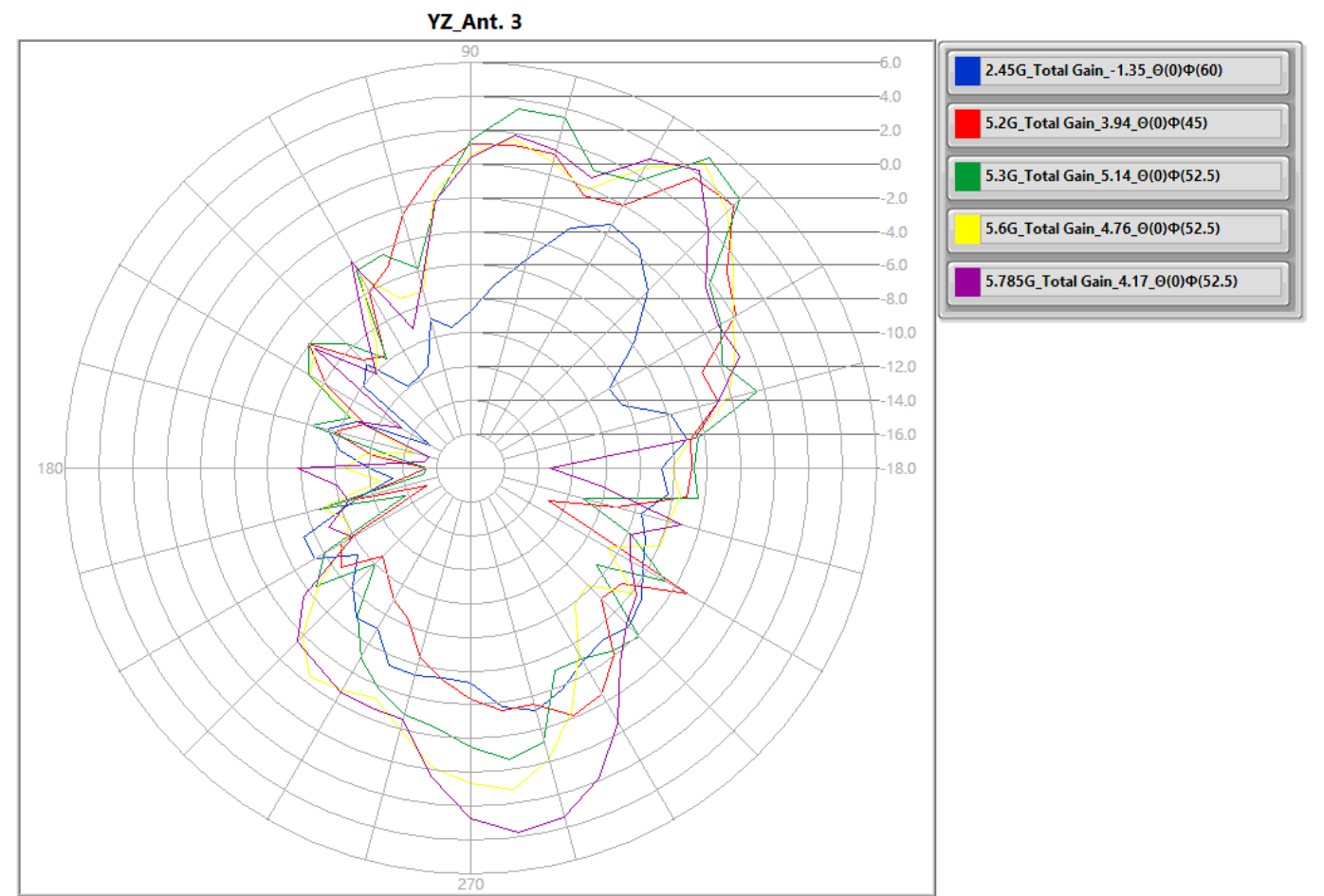
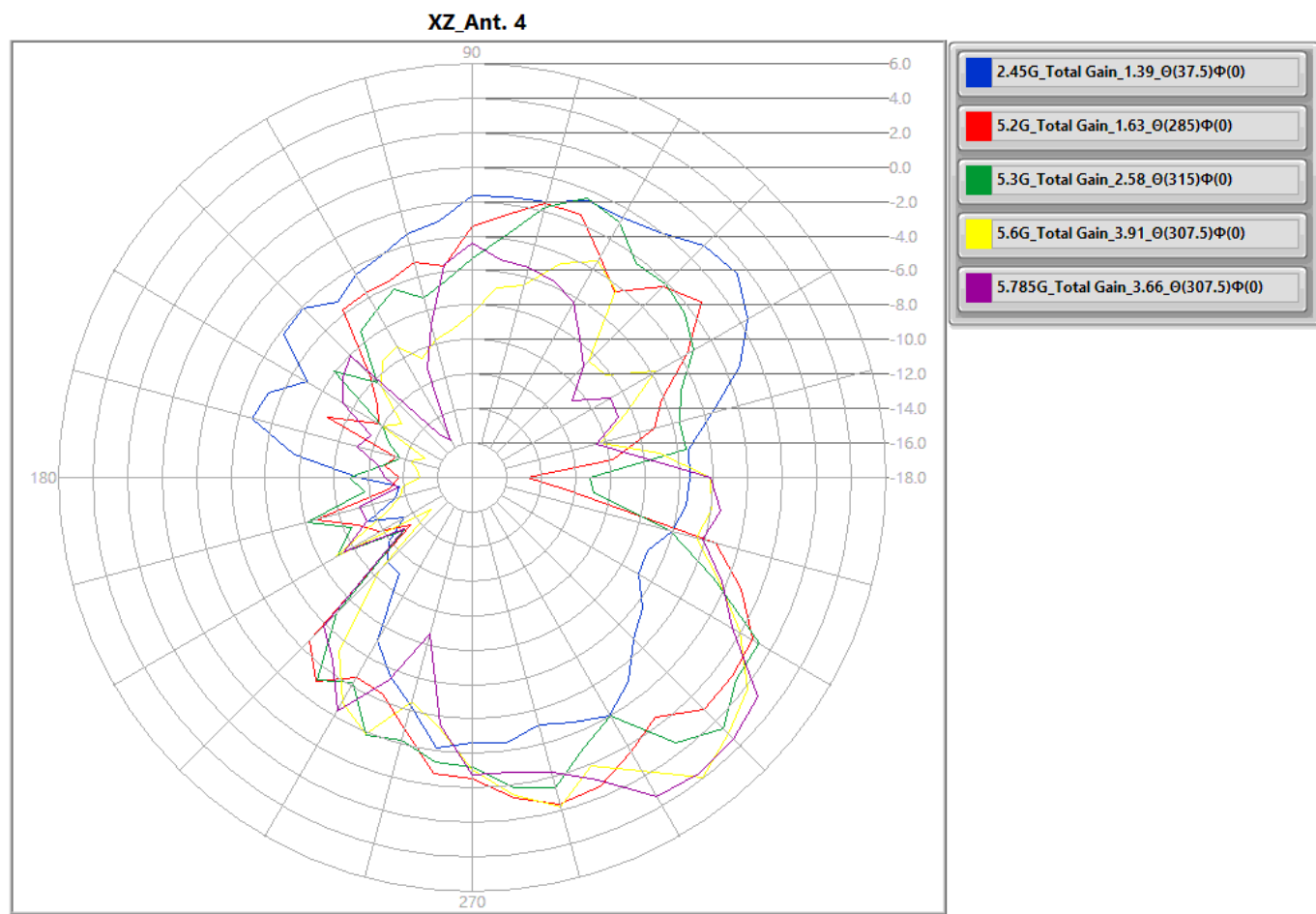
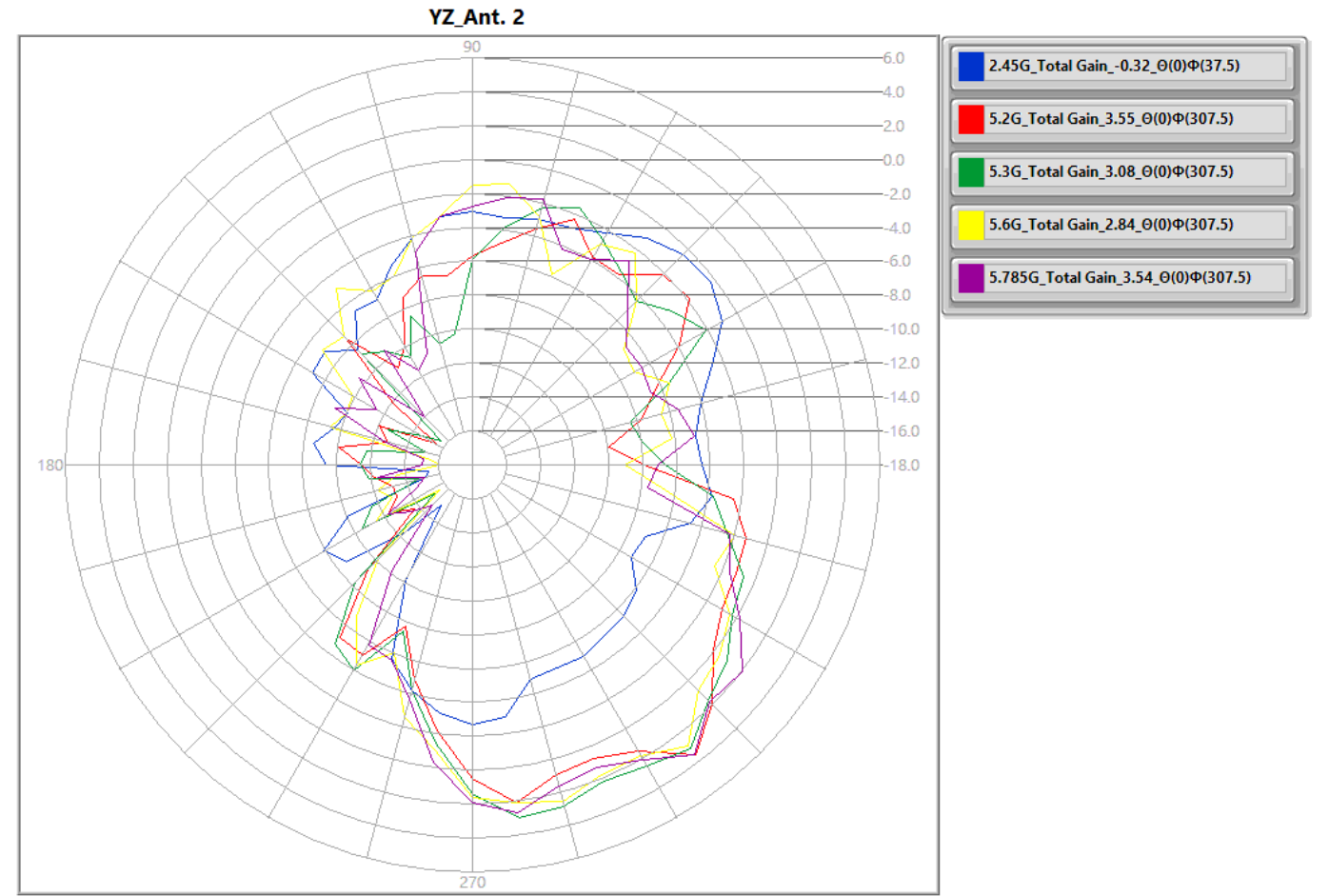
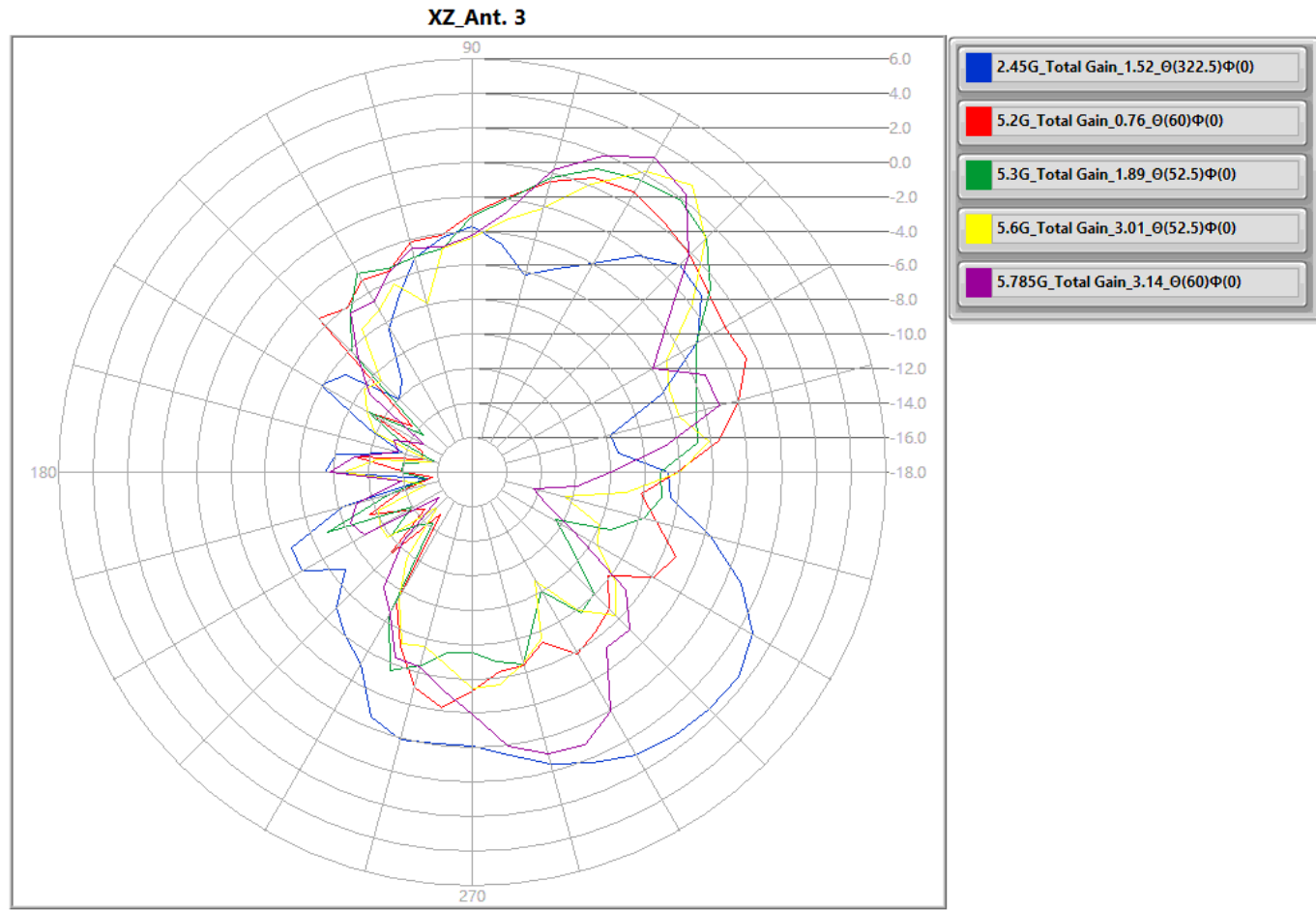


E1(XY plane) – $\Theta(90)\Phi(0-360)$
E2(XZ plane) – $\Theta(0-180)\Phi(0)$ and $\Theta(0-180)\Phi(180)$
E3(YZ plane) – $\Theta(0-180)\Phi(90)$ and $\Theta(0-180)\Phi(270)$

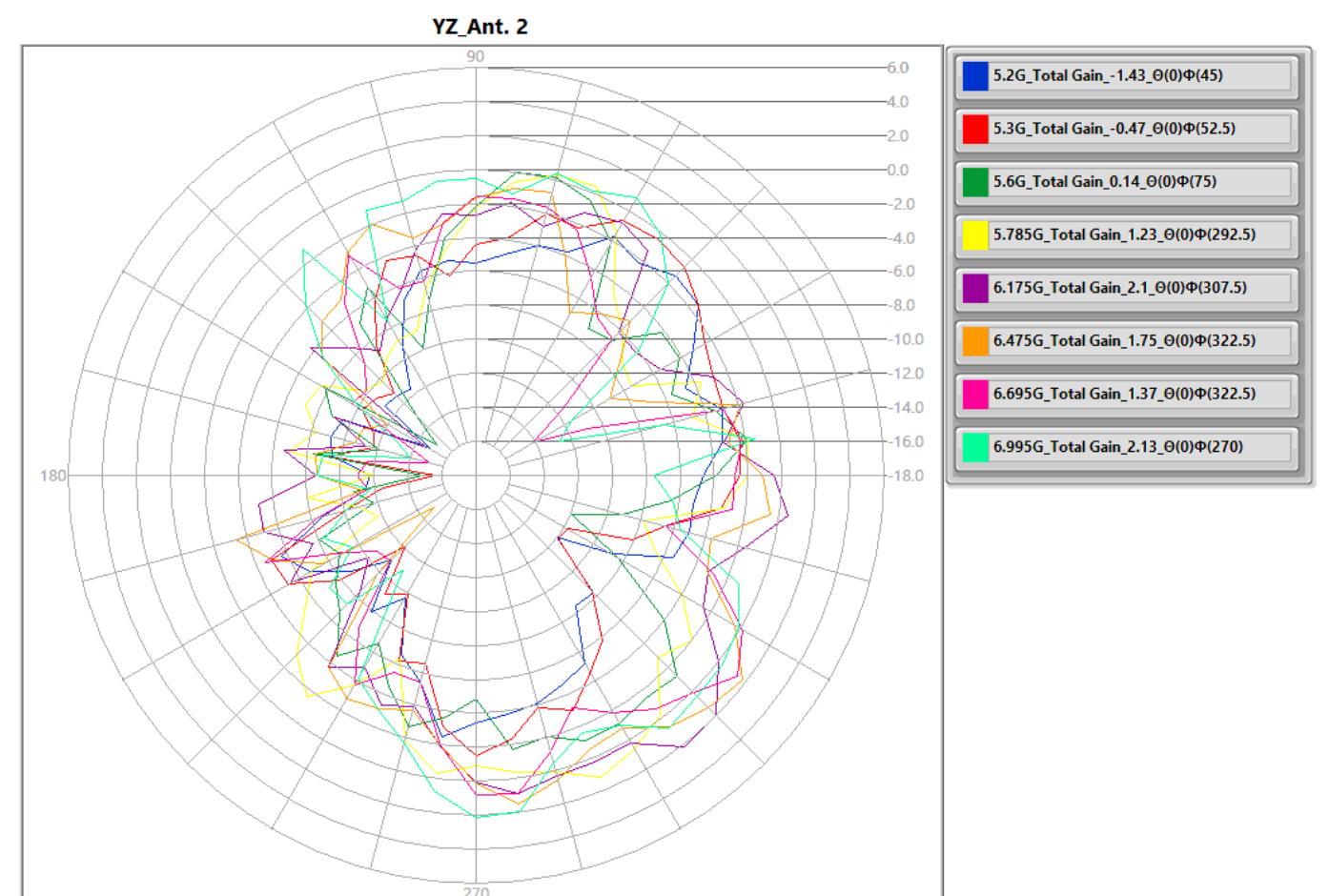
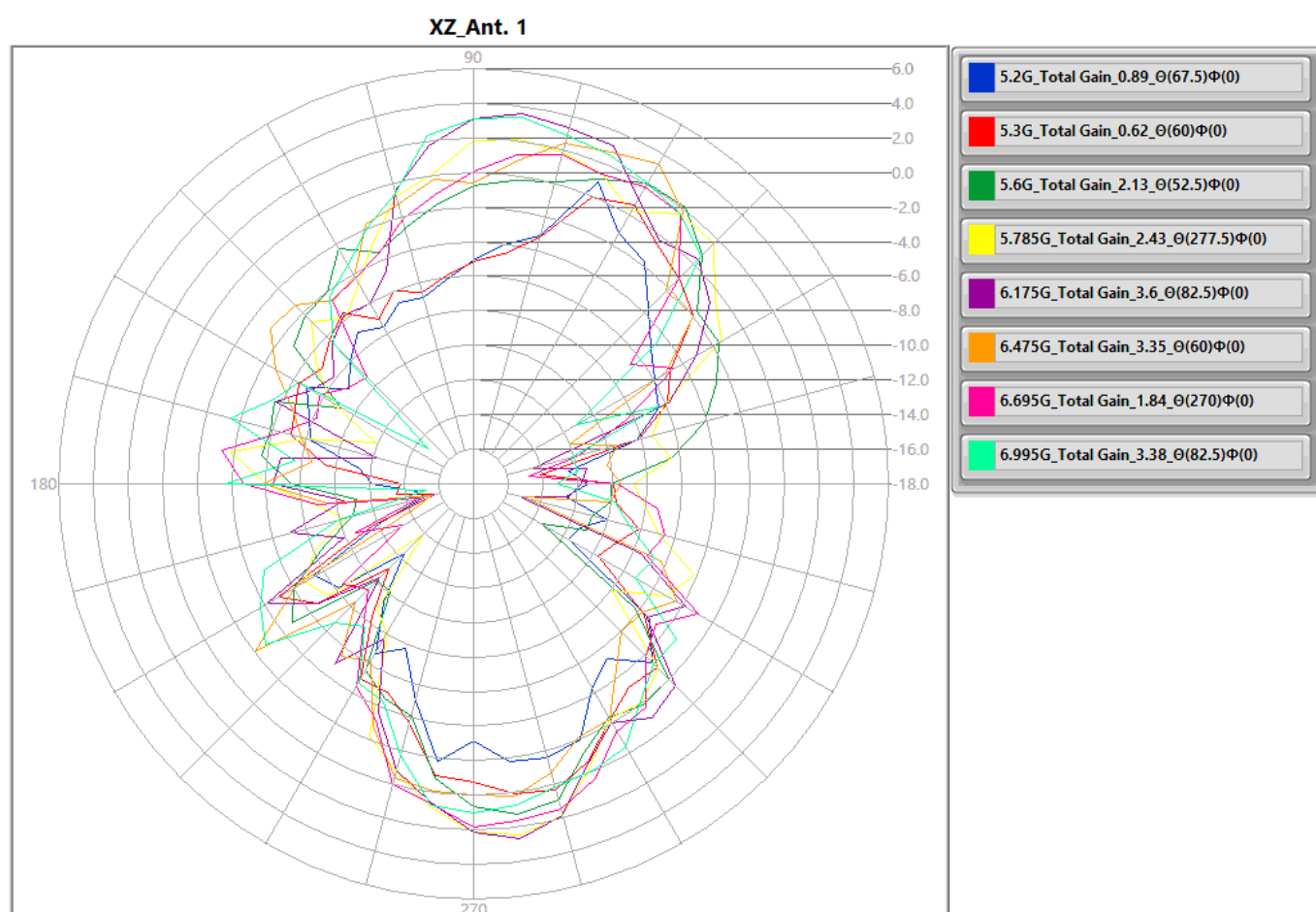
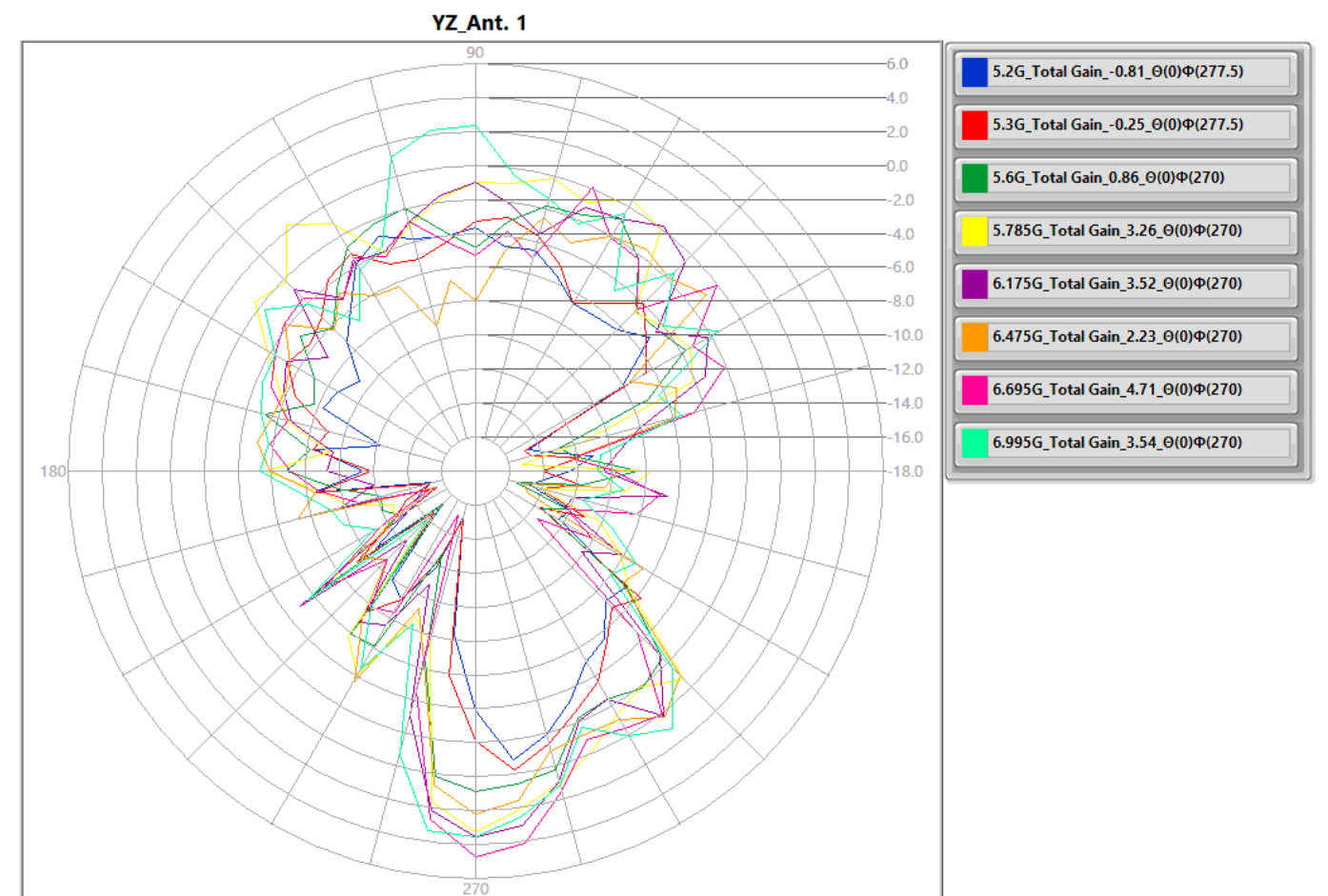
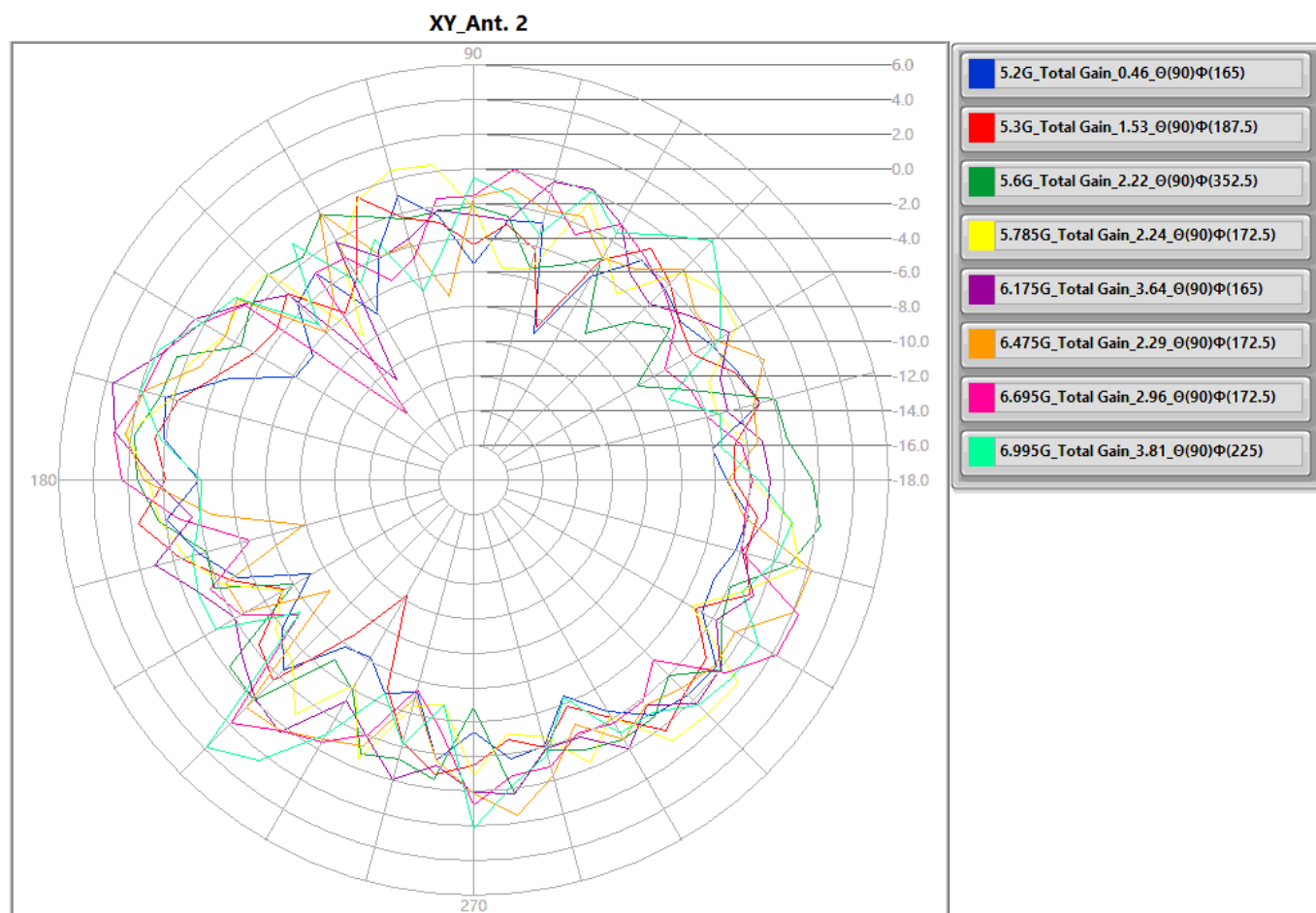
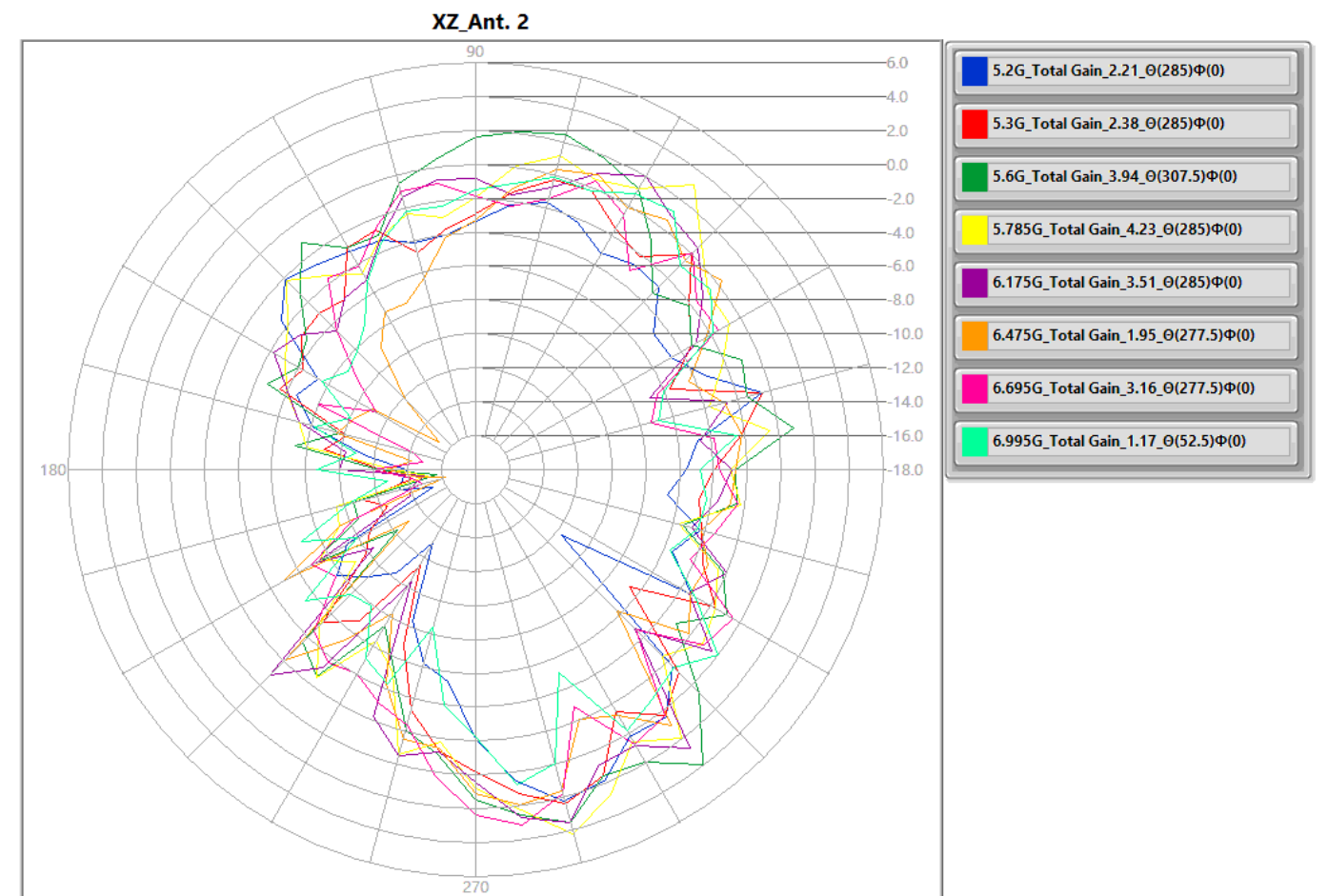
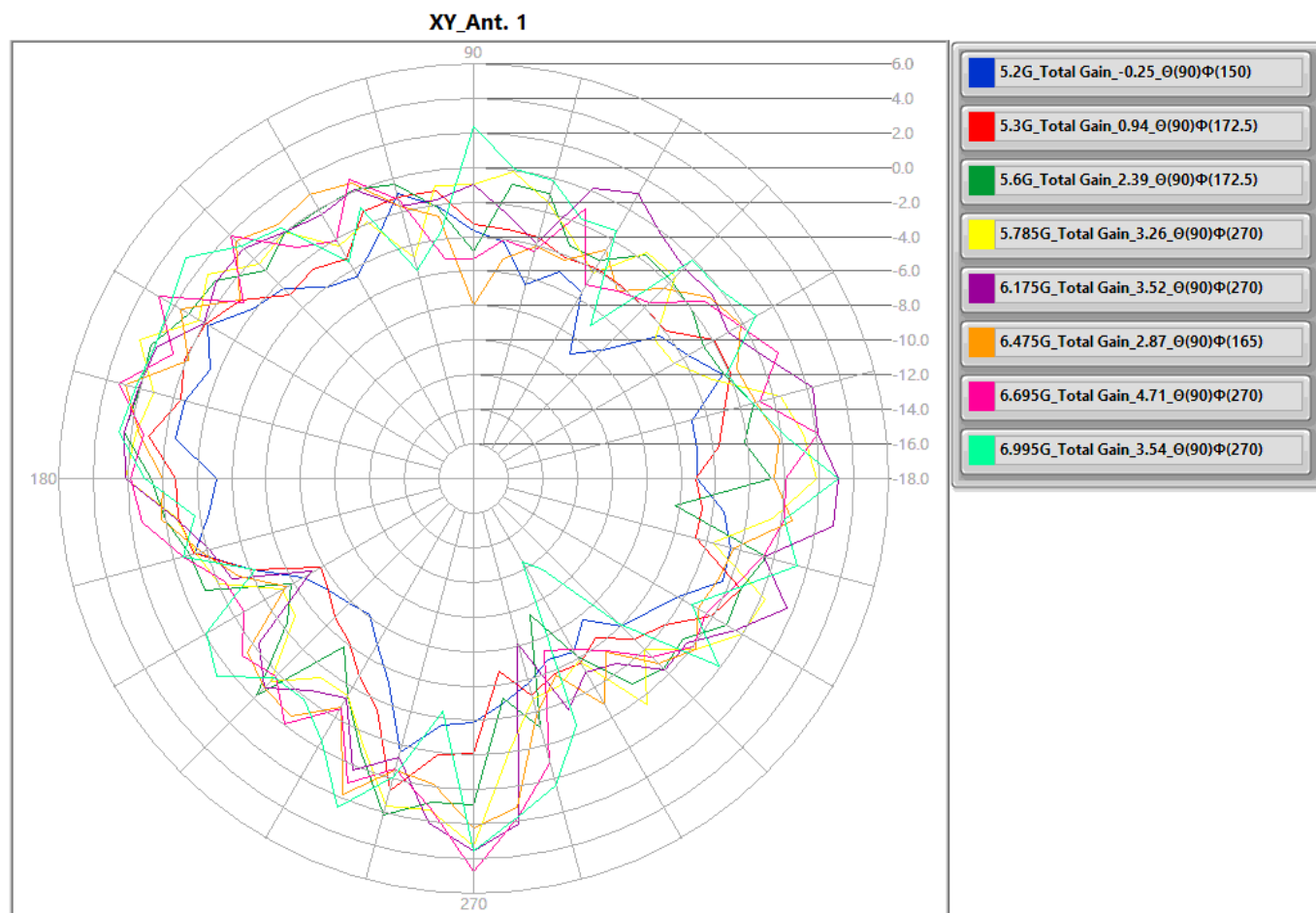




Total Gain Data

[illegible]

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





Appendix I

Freq(Hz)	6.175GPaol	TotalAnt.1	+ -	+ -	+ -	+ -	+ -	+ -	+ -	+ -	+ -	+ -	+ -	+ -	+ -	+ -	+ -	+ -	+ -	+ -				
Gain	Φ(0°)Ψ(7.5°)	Φ(15°)Ψ(22.5°)	Φ(30°)Ψ(37.5°)	Φ(45°)Ψ(52.5°)	Φ(60°)Ψ(67.5°)	Φ(75°)Ψ(82.5°)	Φ(90°)Ψ(97.5°)	Φ(105°)Ψ(112.5°)	Φ(120°)Ψ(127.5°)	Φ(135°)Ψ(142.5°)	Φ(150°)Ψ(157.5°)	Φ(165°)Ψ(172.5°)	Φ(180°)Ψ(187.5°)	Φ(195°)Ψ(202.5°)	Φ(210°)Ψ(217.5°)	Φ(225°)Ψ(232.5°)	Φ(240°)Ψ(247.5°)	Φ(255°)Ψ(262.5°)	Φ(270°)Ψ(277.5°)	Φ(285°)Ψ(292.5°)	Φ(300°)Ψ(307.5°)	Φ(315°)Ψ(322.5°)	Φ(330°)Ψ(337.5°)	Φ(345°)Ψ(352.5°)
Θ(0°)	-11.59/-11.69	-11.69/-10.85	-11.65/-10.85	-11.48/-11.51	-11.12/-10.60	-10.82/-11.72	-11.20/-9.46	-9.72/-10.68	-11.21/-9.16	-10.10/-9.73	-9.84/-9.84	-10.07/-9.50	-9.38/-9.05	-9.13/-9.31	-9.40/-9.72	-8.96/-8.16	-9.41/-10.68	-9.46/-9.21	-9.20/-10.23	-11.68/-11.55	-11.14/-10.75	-10.91/-11.40	-12.05/-11.01	-10.39/-11.69
Θ(7.5°)	-8.40/-7.66	-6.58/-6.11	-6.63/-7.01	-6.44/-5.37	-6.21/-7.67	-7.68/-7.39	-7.39/-5.88	-9.52/-9.70	-8.81/-9.62	-9.65/-9.59	-9.65/-9.41	-8.87/-9.54	-7.95/-7.85	-8.76/-9.04	-8.55/-7.88	-7.73/-8.74	-9.09/-10.79	-7.56/-7.89	-8.15/-7.70	-7.60/-7.51	-8.17/-8.69	-8.79/-9.14	-9.25/-9.05	-8.98/-9.84
Θ(15°)	-9.49/-8.24	-7.22/-5.96	-4.98/-3.44	-2.53/-2.20	-1.96/-1.71	-1.69/-2.26	-2.27/-2.25	-2.92/-4.03	-5.27/-6.38	-7.42/-8.40	-9.16/-9.47	-9.75/-8.97	-7.81/-6.68	-5.25/-4.50	-4.28/-4.70	-4.87/-5.07	-6.10/-7.37	-7.80/-7.97	-7.33/-6.73	-6.06/-5.80	-6.77/-7.85	-8.41/-9.56	-11.10/-12.01	-12.37/-11.84
Θ(22.5°)	-6.87/-6.16	-6.20/-6.22	-5.42/-4.01	-2.56/-1.79	-0.84/-0.58	-0.83/-2.73	-4.10/-3.70	-4.17/-4.59	-5.30/-6.05	-6.70/-8.80	-10.27/-8.44	-6.88/-6.19	-6.05/-7.02	-8.21/-8.38	-7.24/-7.76	-11.18/-13.16	-12.96/-10.98	-11.41/-13.50	-14.65/-10.38	-9.64/-10.31	-9.44/-7.65	-6.73/-3.40	-8.29/-8.41	-8.63/-7.63
Θ(30°)	-6.89/-8.96	-7.88/-8.80	-9.28/-6.76	-7.48/-3.48	-2.42/-1.32	-0.89/-2.92	-4.89/-4.44	-3.66/-2.86	-3.13/-4.13	-4.28/-4.76	-6.72/-8.38	-6.62/-6.19	-4.54/-5.92	-6.19/-6.20	-10.90/-15.00	-14.18/-14.16	-12.00/-10.16	-7.75/-8.10	-10.58/-8.72	-8.64/-7.31	-3.17/-1.65	-1.58/-2.05	-2.57/-3.15	-4.16/-4.73
Θ(37.5°)	-5.08/-7.18	-4.98/-3.87	-4.51/-4.85	-6.57/-7.06	-5.64/-2.79	-2.25/-3.60	-4.41/-2.83	-1.79/-1.10	0.17/-0.38	-1.90/-3.16	-6.15/-6.59	-5.80/-3.45	-2.27/-1.69	-1.85/-3.45	-5.91/-6.40	-5.62/-2.86	-1.85/-3.17	-3.87/-3.45	-2.46/-2.43	-3.02/-1.58	-0.47/-0.84	-2.20/-2.32	-2.86/-2.28	-3.17/-3.78
Θ(45°)	0.83/-0.96	-2.62/-3.67	-3.01/-2.28	-1.92/-3.50	-4.08/-2.95	-1.57/-0.40	-2.41/-3.42	-1.74/-1.83	-0.71/-1.07	-0.63/-1.99	-3.47/-3.16	-3.01/-3.74	-4.00/-1.79	0.530/79	-0.91/-3.01	-2.89/-9.91	-0.91/-0.92	-0.91/-0.92	-7.53/-5.48	-3.07/-0.65	0.98/-1.52	0.96/-0.42	-1.02/-0.61	0.27/-1.11
Θ(52.5°)	2.760/89	-1.09/-2.61	-3.51/-1.57	-1.21/-1.63	-0.98/-0.08	-1.00/-1.45	1.48/-1.91	-1.67/-1.02	-1.32/-1.47	-1.67/-2.01	-3.43/-2.68	-3.84/-6.92	-8.40/-6.92	-1.43/-0.01	-2.25/-5.68	-2.71/-1.35	-1.25/-4.94	-6.79/-7.19	-6.15/-4.24	-0.76/-1.16	2.653/03	2.472/35	2.482/93	3.14/023
Θ(60°)	4.102/92	1.881/26	-1.59/-4.31	-3.90/-1.70	0.25/-1.00	1.74/-3.11	2.85/-1.21	2.382/74	1.71/-1.63	0.880/44	-2.08/-5.65	-7.12/-8.62	-10.31/-10.36	-2.75/-1.70	-4.73/-6.93	-4.43/-3.64	-4.63/-5.23	-4.65/-2.65	-2.27/-1.98	-0.26/-1.45	3.173/67	3.223/99	4.784/81	4.074/35
Θ(67.5°)	4.583/63	2.791/68	-0.93/-10.77	-7.14/-1.50	0.270/91	2.905/02	3.681/39	3.574/03	3.543/49	2.982/26	-0.57/-1.32	-4.70/-3.78	-6.35/-8.74	-3.61/-1.15	-2.80/-1.63	-0.93/-2.87	-4.40/-3.99	-2.43/-1.66						

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

