



# Radiated Composite Gain Data of Radio 4 2.4GHz, 5GHz, 6GHz and Radio 5 Bluetooth/Zigbee (EUT 2)

## Appendix N

| 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°)    | 0.31/39      | 2.31/76        | 3.56/64        | 4.22/54        | 4.39/47        | 4.26/37        | 3.36/43        | 1.27/0.2         | -1.18/-3.26      | -6.17/-8.98      | -9.28/-6.9       | -4.23/-1.76      | 0.34/2.33        | 3.33/3.4         | 4.45/4.75        | 5.06/5.15        | 4.93/4.76        | 4.35/3.35        | 2.52/1.85        | -0.07/-1.73      | -3.95/-7         | -10.18/-10.29    | -7.13/-4.65      | -2.44/-0.5       |
| Θ(7.5°)  | 2.44/3.78    | 4.96/5.58      | 6.66/46        | <b>6.25/42</b> | 6.12/54        | 5.29/44        | 3.78/24        | 1.38/-0.27       | -2.52/-5.15      | -8.47/-9.72      | -7.51/-4.65      | -2.91/0.7        | 1.27/2.29        | 2.92/3.43        | 3.69/3.89        | 3.98/4.07        | 3.91/3.44        | 2.92/1.4         | 0.87/0.17        | -1.29/-3.06      | -4.3/-6.12       | -7.85/-8.11      | -6.71/-4.33      | -1.55/0.84       |
| Θ(15°)   | 3.5/4.45     | 5.27/5.44      | 5.52/5.57      | 5.73/5.6       | 5.14/4.78      | 4.26/3.5       | 2.54/1.49      | -0.39/-2.34      | -4.15/-6.83      | -9.88/-9.49      | -6.54/-3.73      | -1.58/0.34       | 1.72/7.7         | 3.04/3.16        | 3.36/3.61        | 3.83/4.08        | 4.47/4.18        | 3.47/2.77        | 0.93/-1.98       | -4.75/-7.76      | -8/-8.9          | -9.59/-7.72      | -4.49/-1.42      | 1.26/3.11        |
| Θ(22.5°) | 0.26/1.17    | 1.94/2.81      | 3.45/3.96      | 4.19/4.42      | 4.56/4.61      | 4.76/4.93      | 4.46/3.01      | 0/-3.96          | -9.04/-15.61     | -15.3/-9.61      | -6.72/-3.96      | -1.19/0.93       | 0.89/0.21        | 0.59/1.65        | 3.06/4.31        | 4.57/4.11        | 3.61/3.28        | 2.14/1.58        | 0.77/-2.27       | -5.17/-9.41      | -12.99/-18.85    | -12.58/-6.76     | -3.02/-1.25      | -0.08/0.98       |
| Θ(30°)   | -1.42/-0.19  | 0.97/1.51      | 2.23/2.57      | 2.54/2.55      | 2.39/1.92      | 1.85/1.86      | 2.21/1.62      | -1.06/-6.48      | -18.91/-18.2     | -17.19/-10.3     | -8.02/-7.2       | -3.61/-1.1       | -0.29/0.13       | 0.92/1           | 2.62/0.99        | 1.99/2.55        | 1.93/0.03        | 1.42/-3.43       | -5.34/-9.1       | -12.52/-13.02    | -12.44/-12.43    | -9.8/-6.33       | -4.21/-2.61      |                  |
| Θ(37.5°) | -2.52/-1.83  | -1.68/-0.2     | 2.06/3.15      | 3.44/3.17      | 2.05/1.39      | 1.15/0.85      | 0.71/1.59      | -5.19/-14.68     | -18.69/-17.48    | -9.57/-7.23      | -6.82/-6.71      | -0.08/-3.69      | -2.49/-3.69      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |



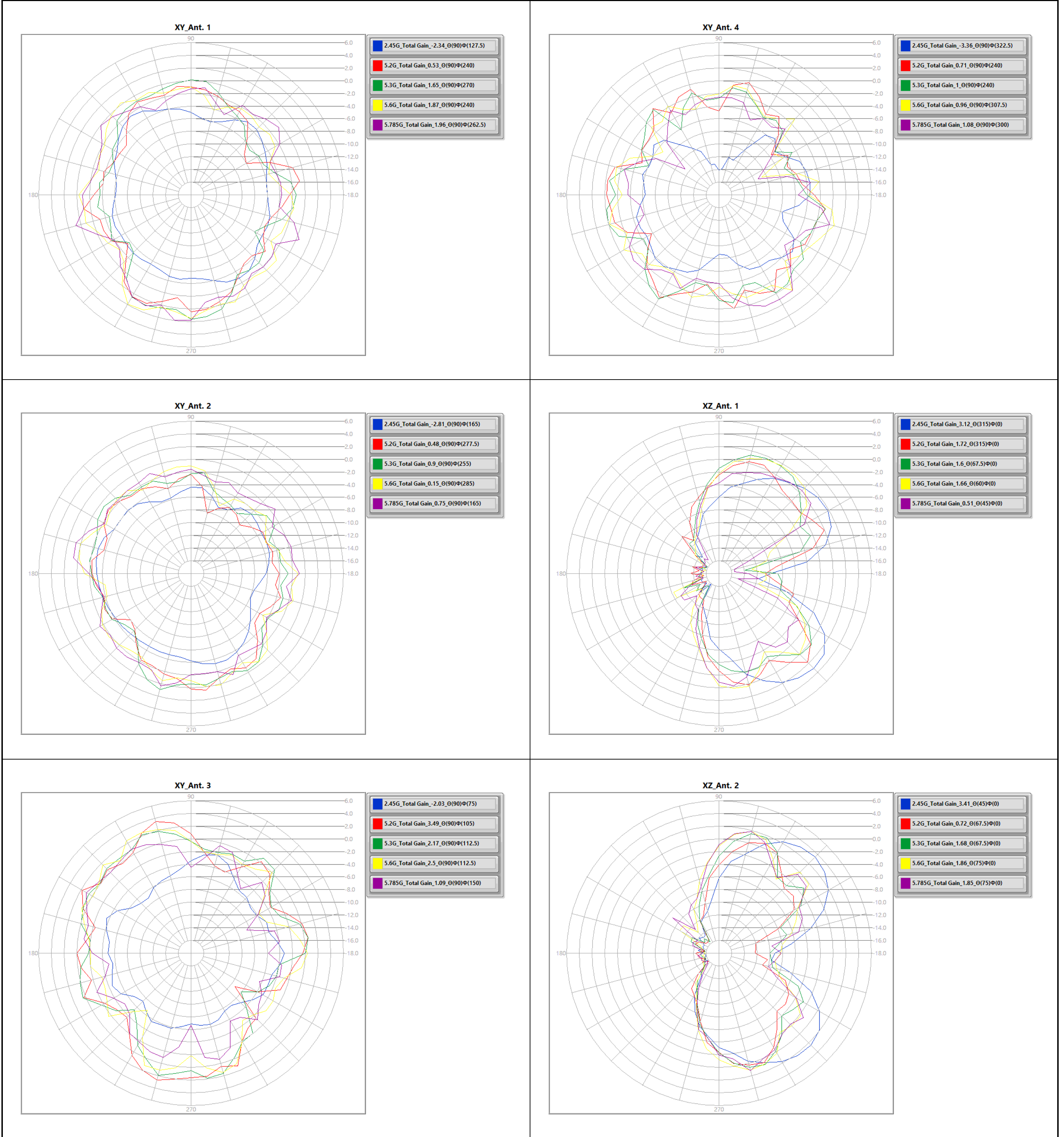


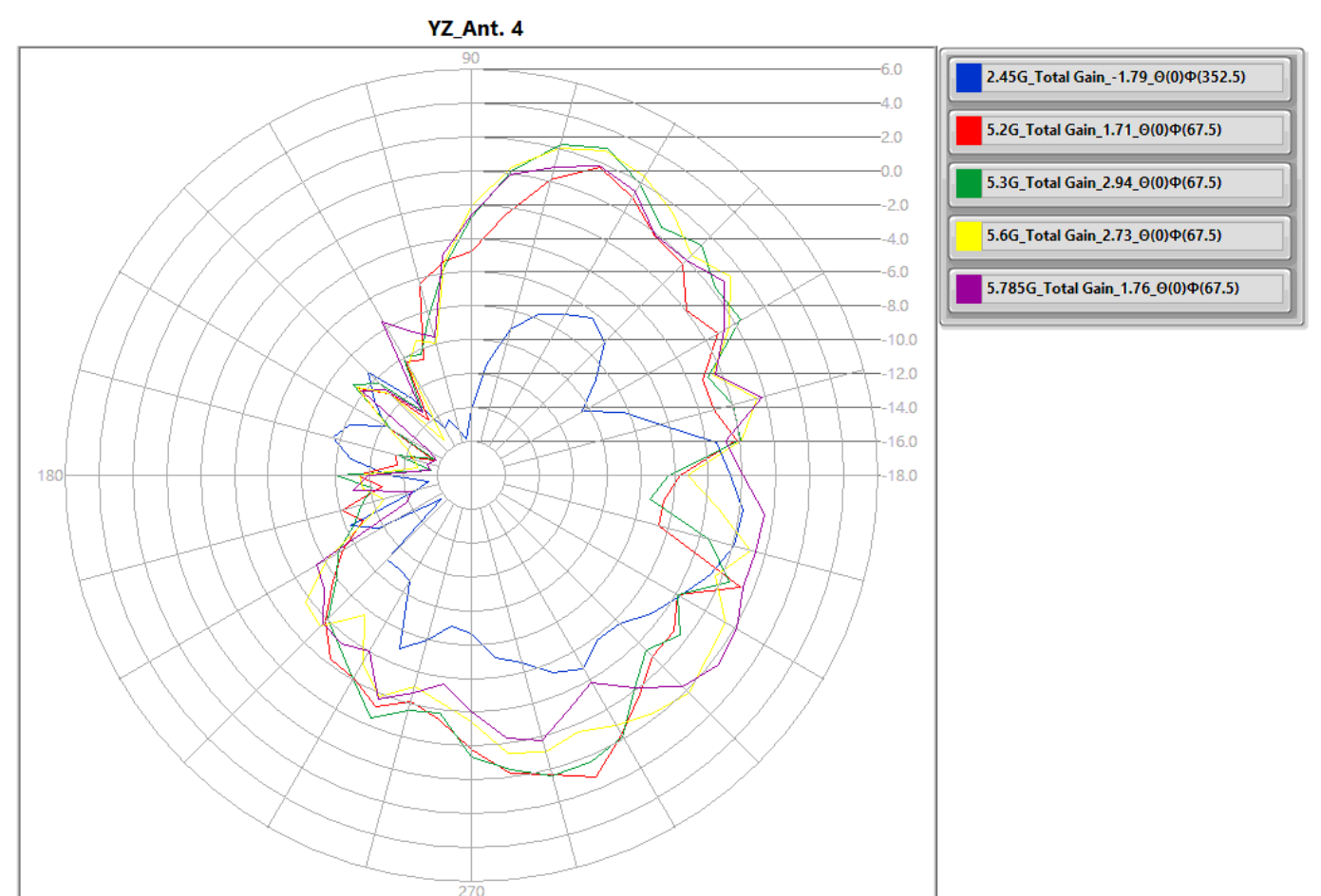
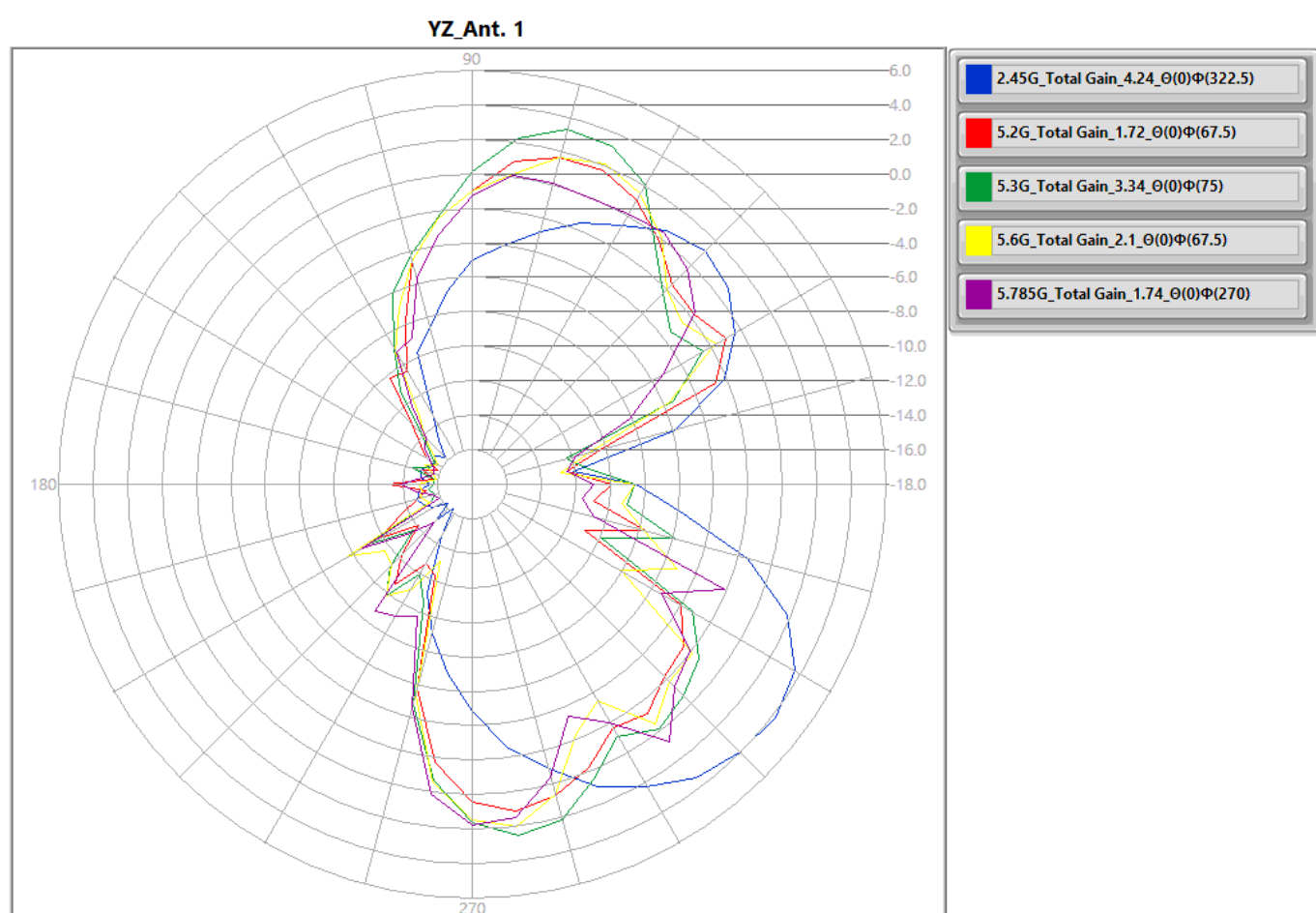
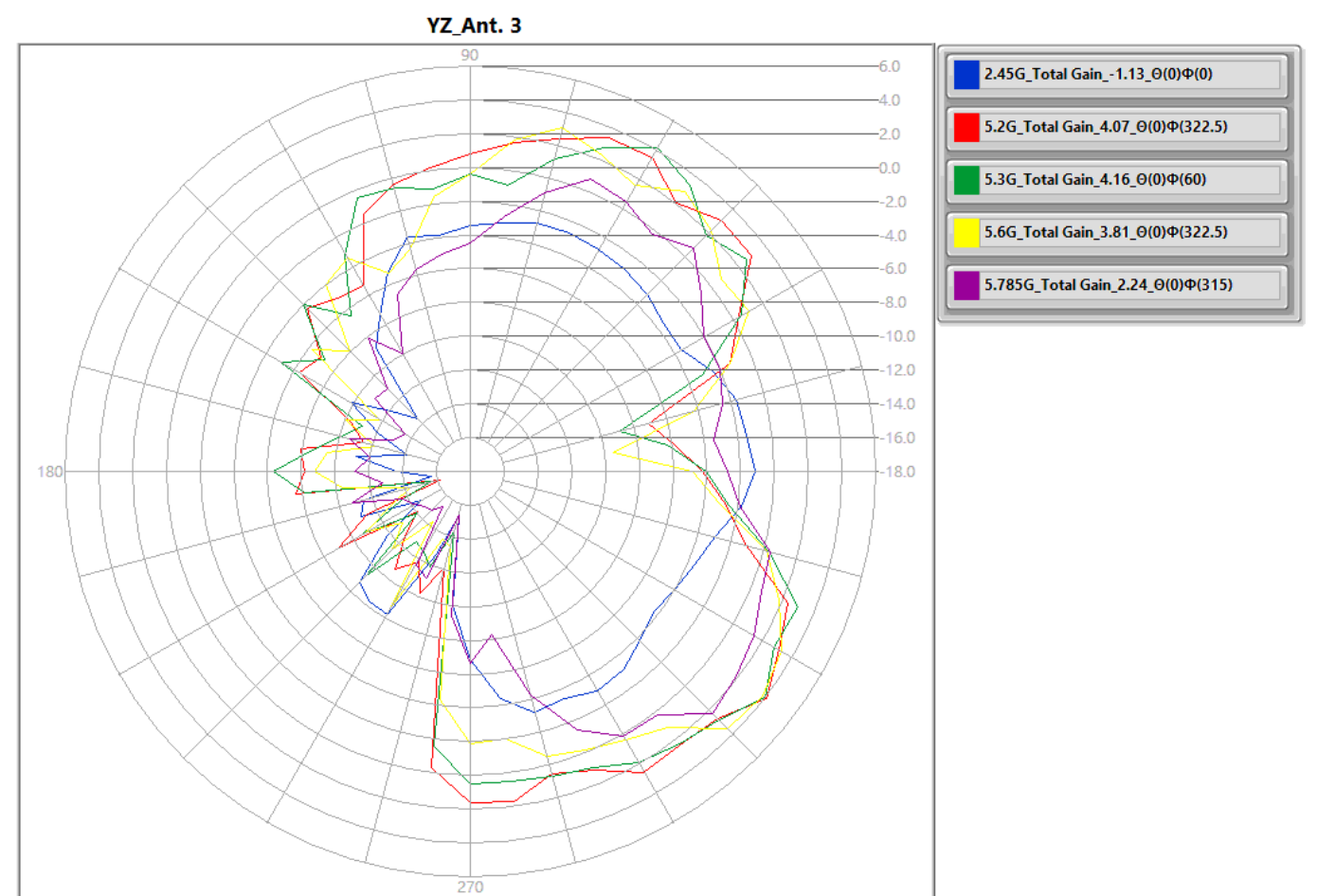
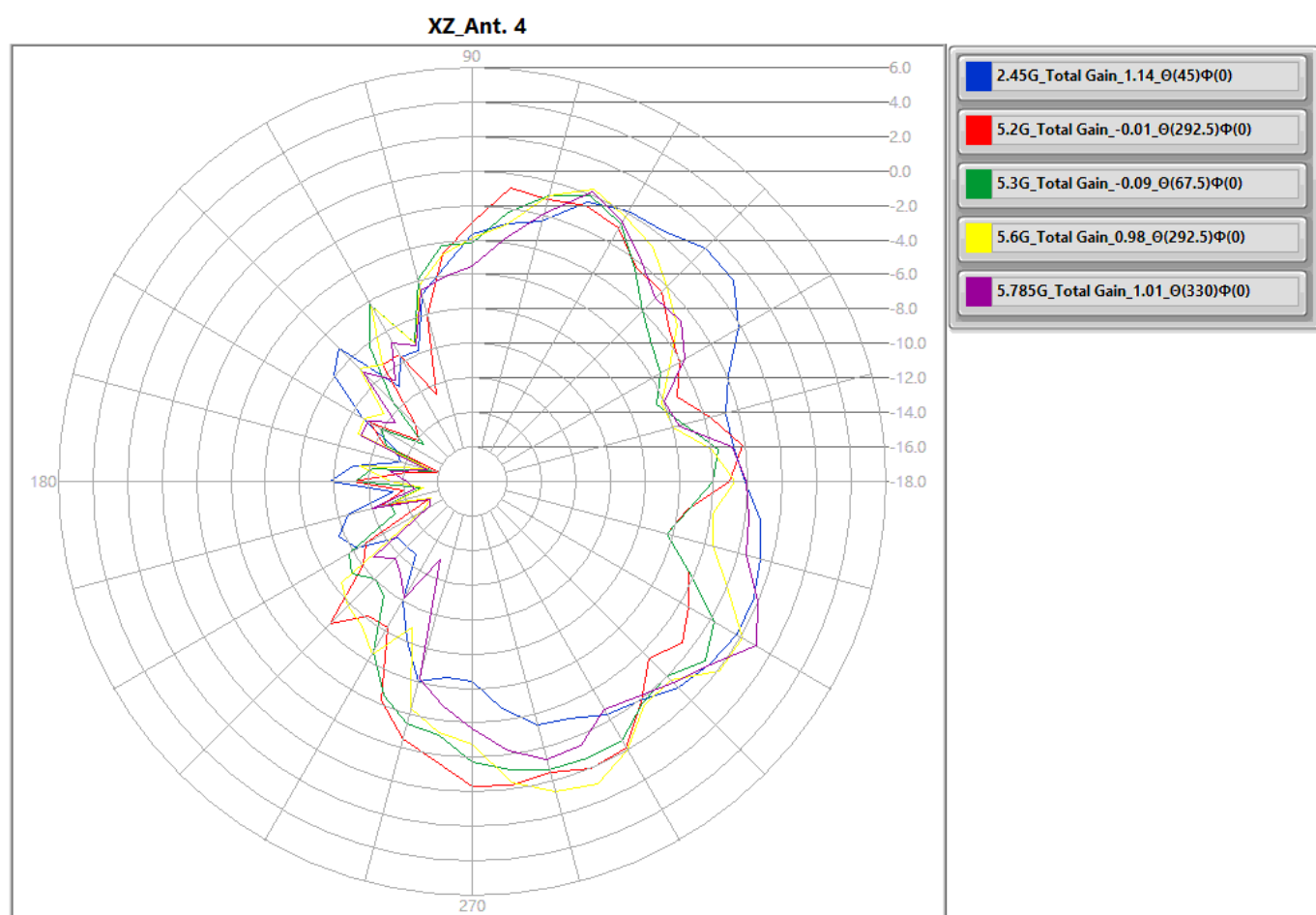
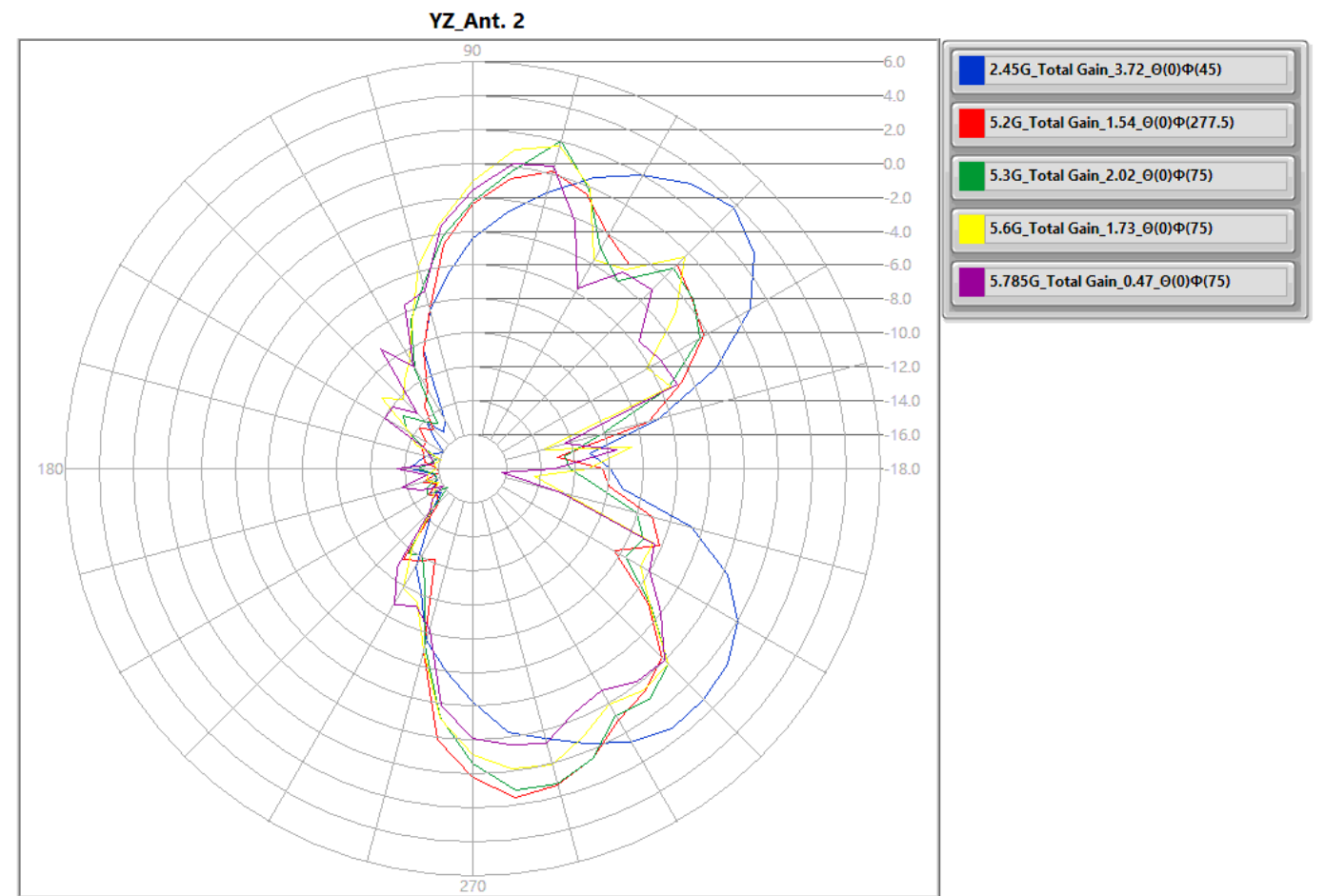
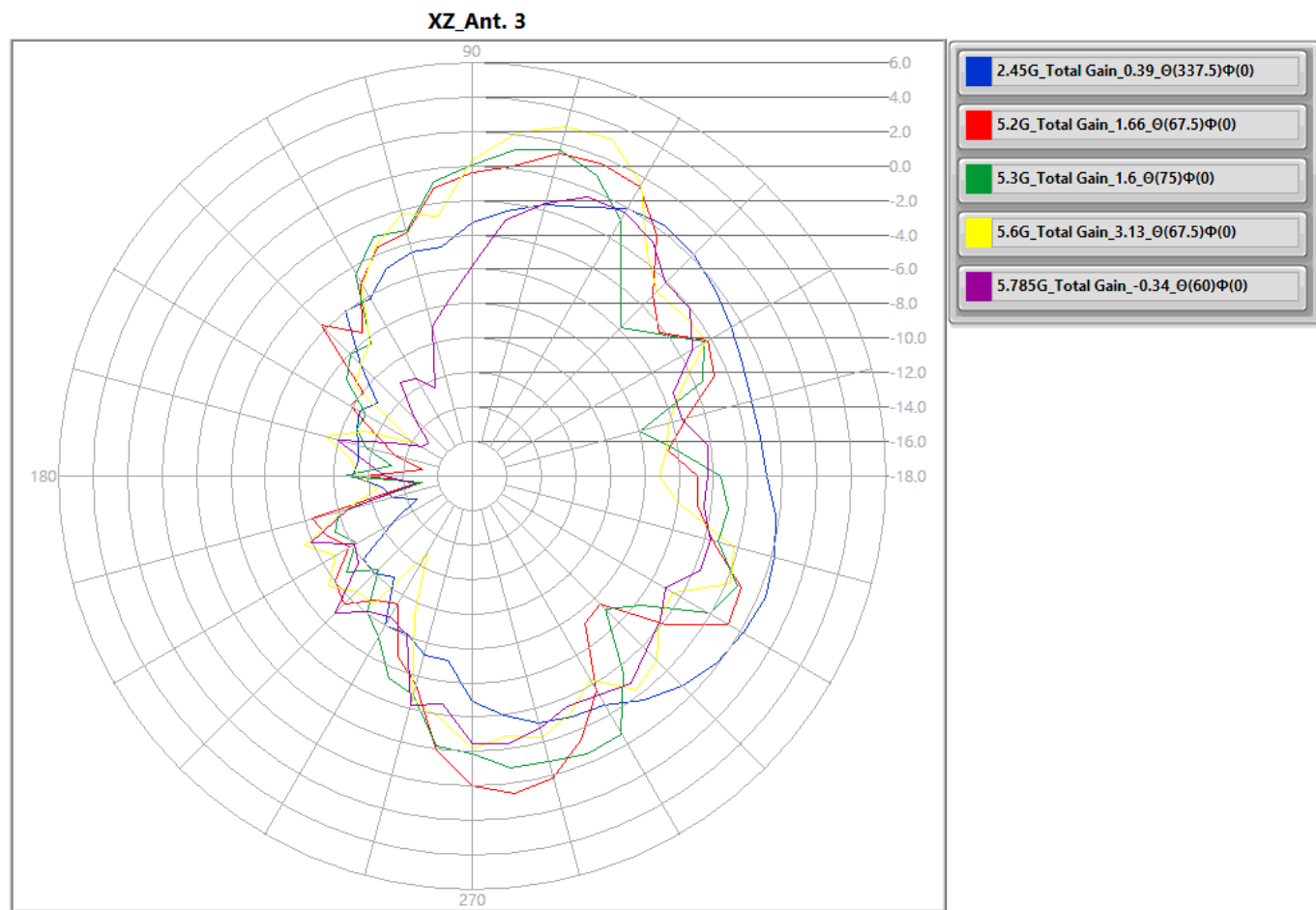






E1(XY plane) –  $\Theta(90)\Phi(0-360)$   
 E2(XZ plane) –  $\Theta(0-180)\Phi(0)$  and  $\Theta(0-180)\Phi(180)$   
 E3(YZ plane) –  $\Theta(0-180)\Phi(90)$  and  $\Theta(0-180)\Phi(270)$













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

