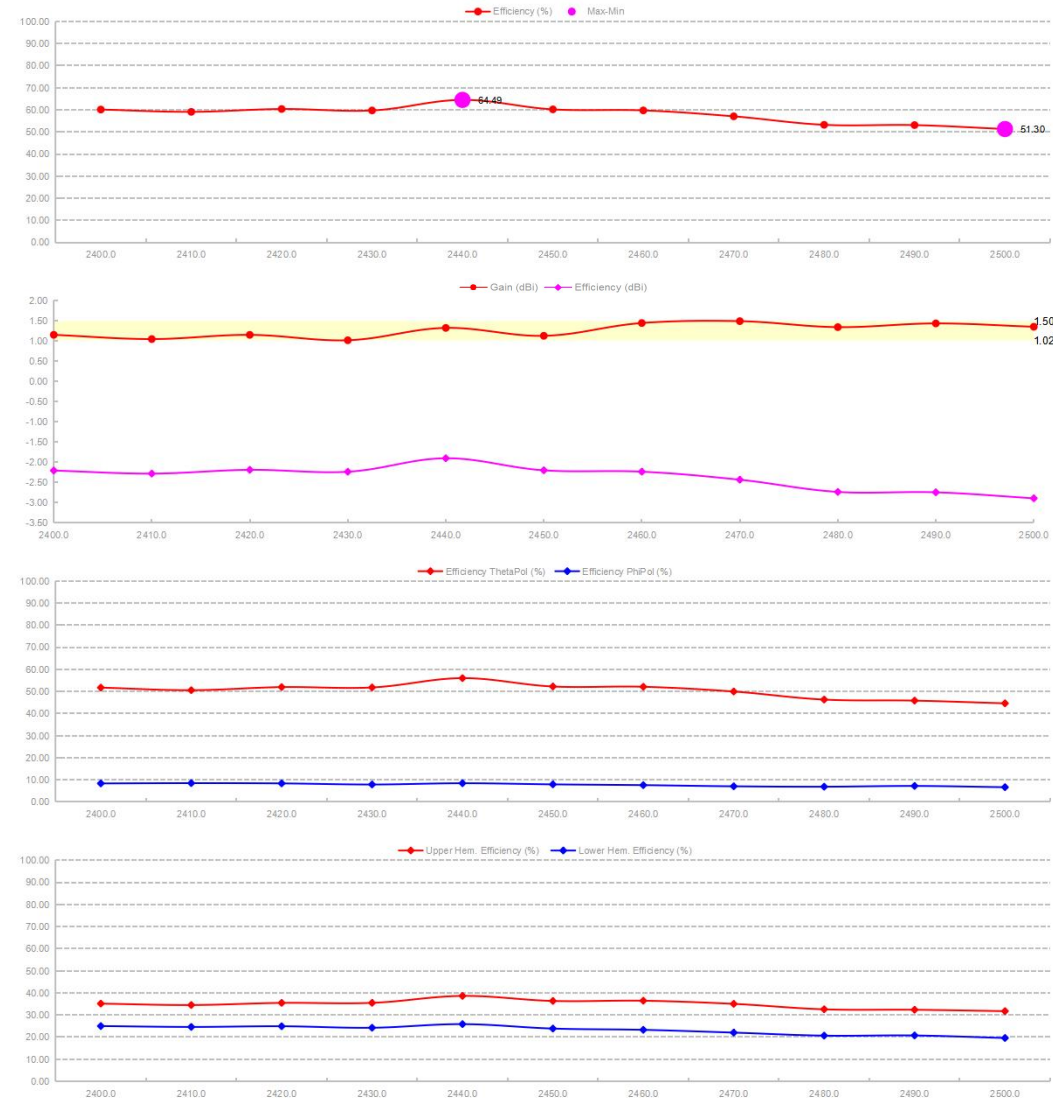


| Frequency ID               | 1      | 2      | 3      | 4      | 5      | 6      | 7      | 8      | 9      | 10     | 11     |
|----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Frequency (MHz)            | 2400.0 | 2410.0 | 2420.0 | 2430.0 | 2440.0 | 2450.0 | 2460.0 | 2470.0 | 2480.0 | 2490.0 | 2500.0 |
| Efficiency (dBi)           | -2.21  | -2.29  | -2.19  | -2.24  | -1.91  | -2.20  | -2.24  | -2.44  | -2.74  | -2.75  | -2.90  |
| Gain (dBi)                 | 1.16   | 1.05   | 1.16   | 1.02   | 1.33   | 1.13   | 1.45   | 1.50   | 1.35   | 1.44   | 1.36   |
| Efficiency (%)             | 60.12  | 59.08  | 60.37  | 59.71  | 64.49  | 60.20  | 59.73  | 57.05  | 53.22  | 53.09  | 51.30  |
| Peak Gain Position (Theta) | 64.00  | 76.00  | 76.00  | 76.00  | 77.00  | 78.00  | 78.00  | 78.00  | 77.00  | 76.00  | 75.00  |
| Peak Gain Position (Phi)   | 90.00  | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 | 120.00 |
| Efficiency ThetaPol (%)    | 51.75  | 50.57  | 51.98  | 51.82  | 56.02  | 52.25  | 52.12  | 49.98  | 46.33  | 45.85  | 44.63  |
| Efficiency PhiPol (%)      | 8.37   | 8.50   | 8.39   | 7.89   | 8.46   | 7.95   | 7.61   | 7.08   | 6.89   | 7.24   | 6.67   |
| Upper Hem. Efficiency (%)  | 35.14  | 34.50  | 35.47  | 35.49  | 38.63  | 36.35  | 36.45  | 35.03  | 32.57  | 32.36  | 31.73  |
| Lower Hem. Efficiency (%)  | 24.98  | 24.58  | 24.90  | 24.22  | 25.86  | 23.85  | 23.28  | 22.02  | 20.65  | 20.73  | 19.58  |
| Eff 15deg (dBi)            |        |        |        |        |        |        |        |        |        |        |        |
| Gain 15deg (dBi)           |        |        |        |        |        |        |        |        |        |        |        |
| Eff 15deg (%)              |        |        |        |        |        |        |        |        |        |        |        |
| Eff 30deg (dBi)            |        |        |        |        |        |        |        |        |        |        |        |
| Gain 30deg (dBi)           |        |        |        |        |        |        |        |        |        |        |        |
| Eff 30deg (%)              |        |        |        |        |        |        |        |        |        |        |        |
| Eff no SC                  |        |        |        |        |        |        |        |        |        |        |        |
| Gain no SC                 |        |        |        |        |        |        |        |        |        |        |        |
| Gain (dBi, ThetaPol)       | 1.10   | 1.04   | 1.14   | 1.01   | 1.32   | 1.13   | 1.45   | 1.49   | 1.35   | 1.44   | 1.35   |
| Gain (dBi, PhiPol)         | -3.34  | -3.37  | -3.49  | -3.84  | -3.56  | -3.78  | -3.77  | -4.08  | -4.30  | -4.23  | -4.80  |
| Empty                      |        |        |        |        |        |        |        |        |        |        |        |



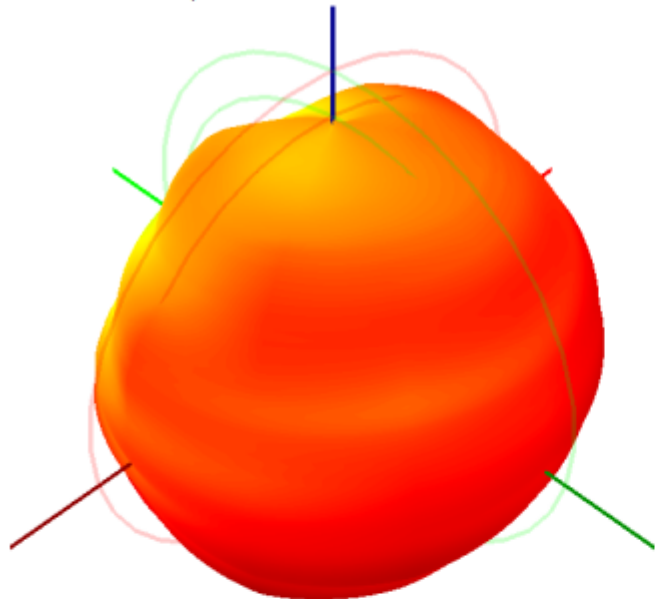
# Antenna report

Manufacturer : Dong Guan Technomate Metal Ware Manufactory Ltd.

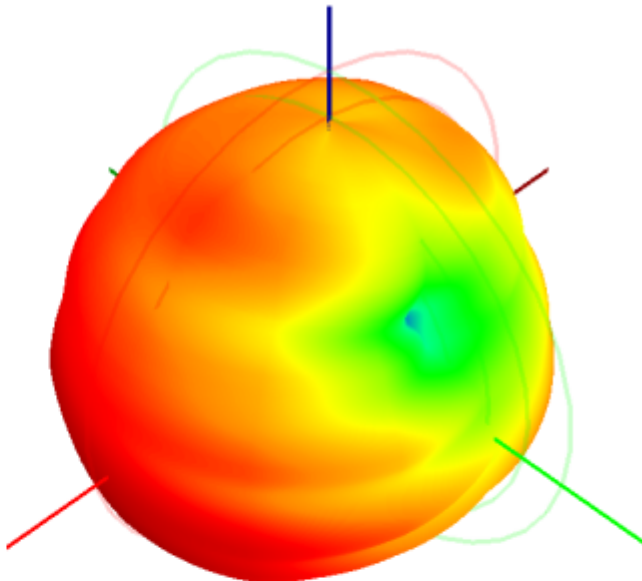
Model : AT-2.4G

Antenna Gain(Max): 1.50dBi

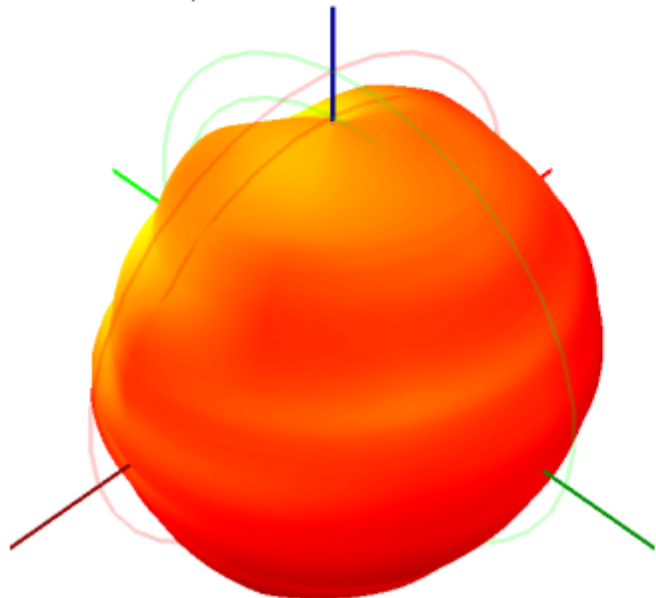
2400.0MHz H+V, Eff: 60.1%



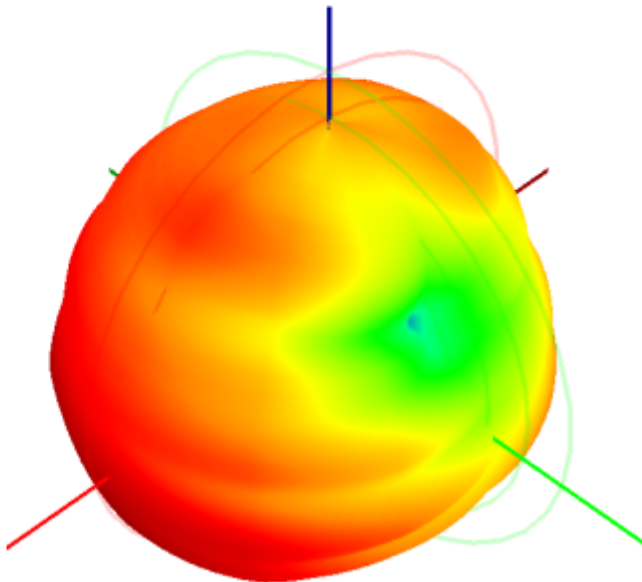
Back View



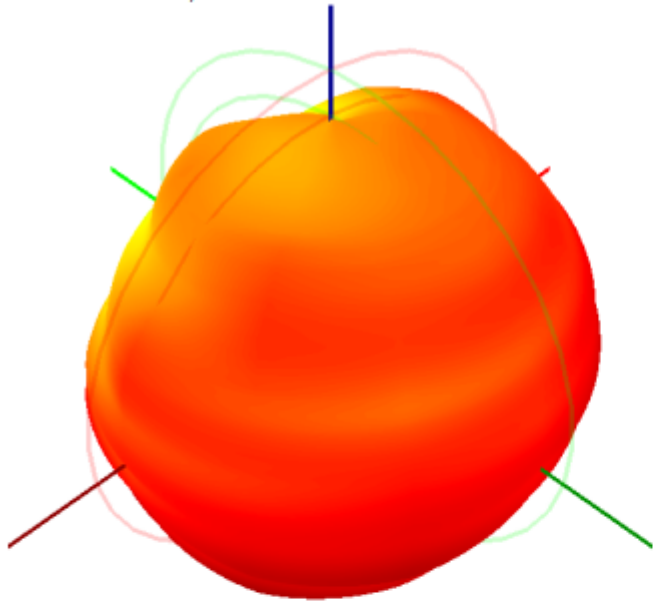
2410.0MHz H+V, Eff: 59.1%



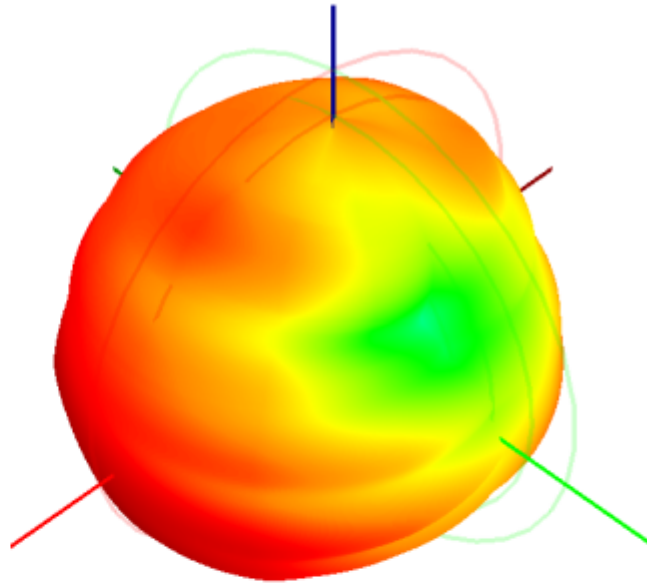
Back View



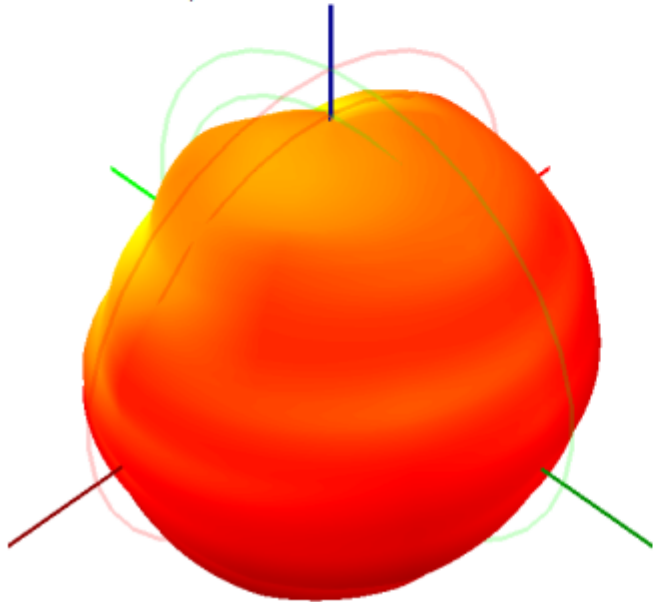
2420.0MHz H+V, Eff: 60.4%



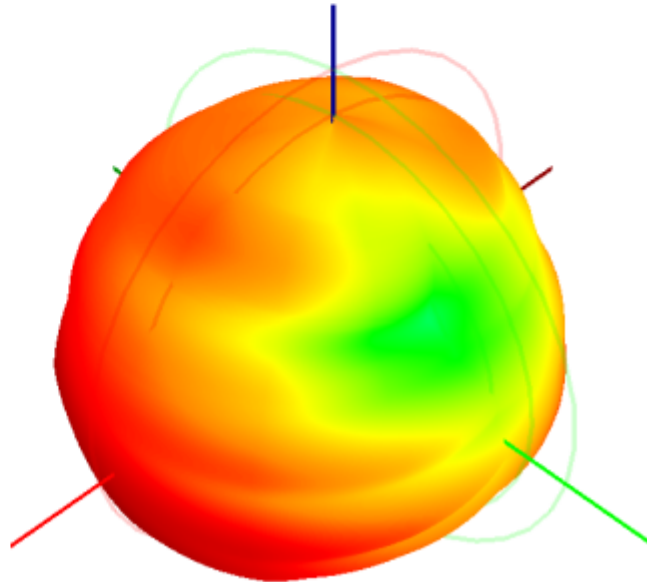
Back View



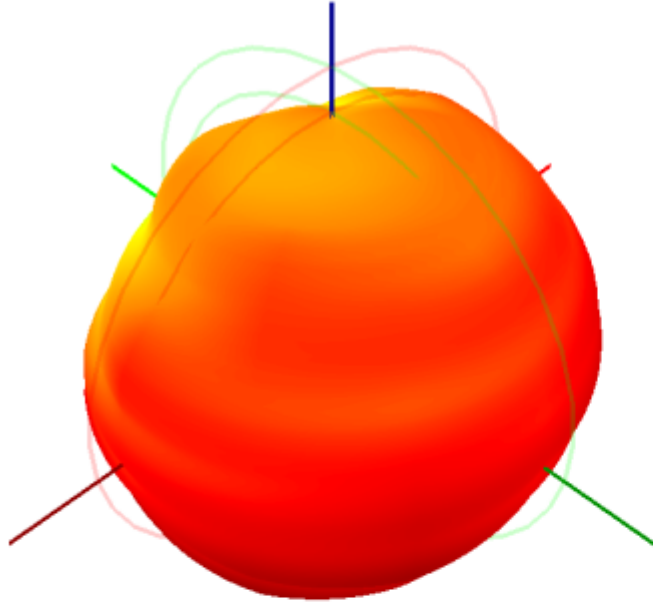
2430.0MHz H+V, Eff: 59.7%



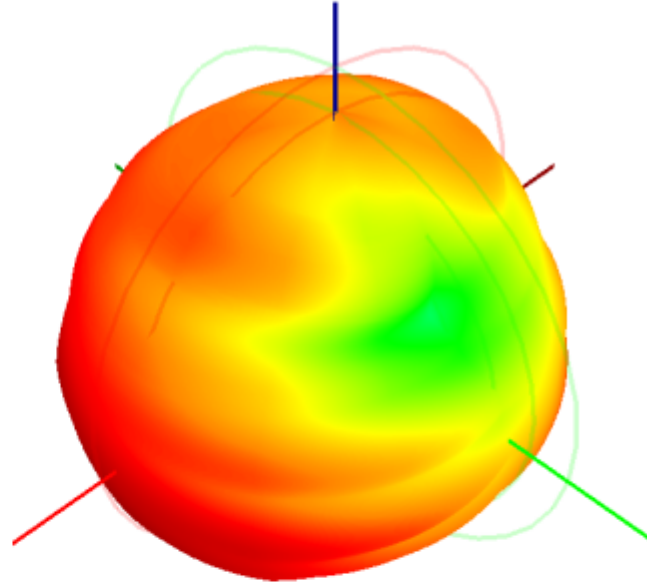
Back View



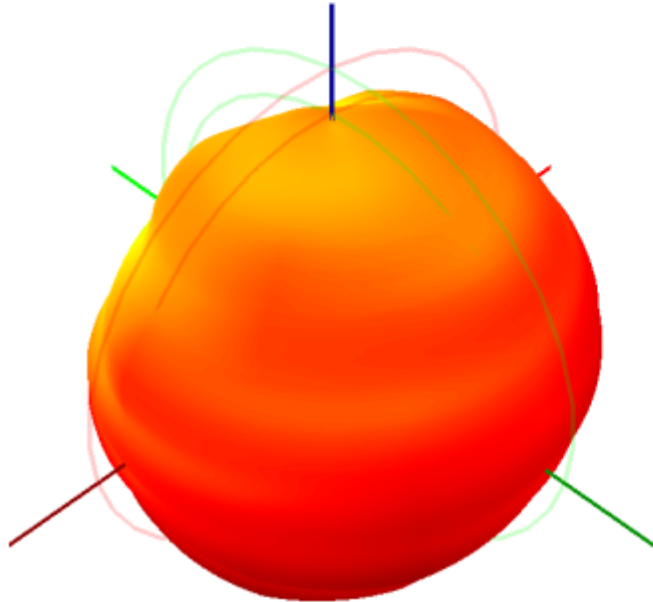
2440.0MHz H+V, Eff: 64.5%



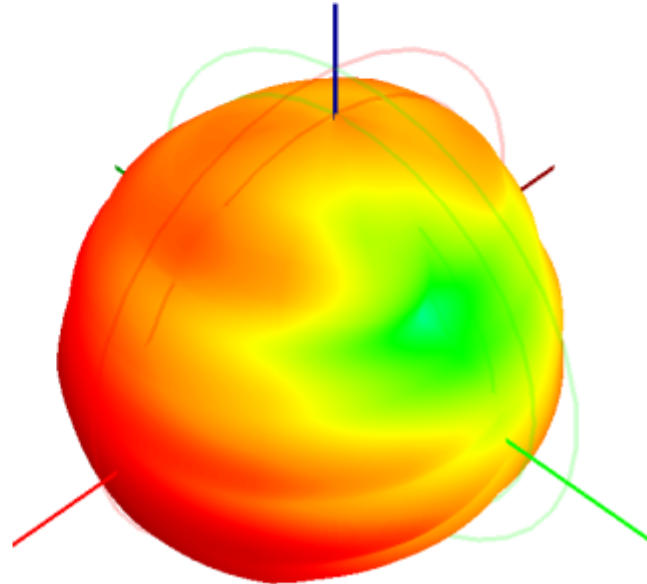
Back View



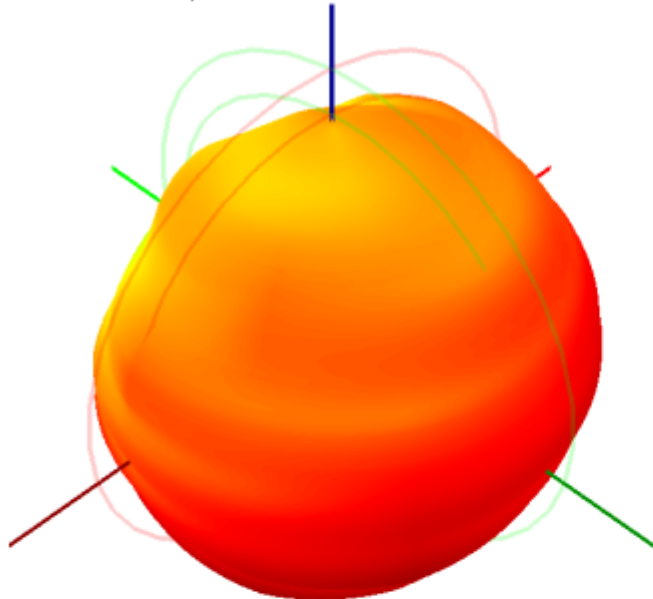
2450.0MHz H+V, Eff: 60.2%



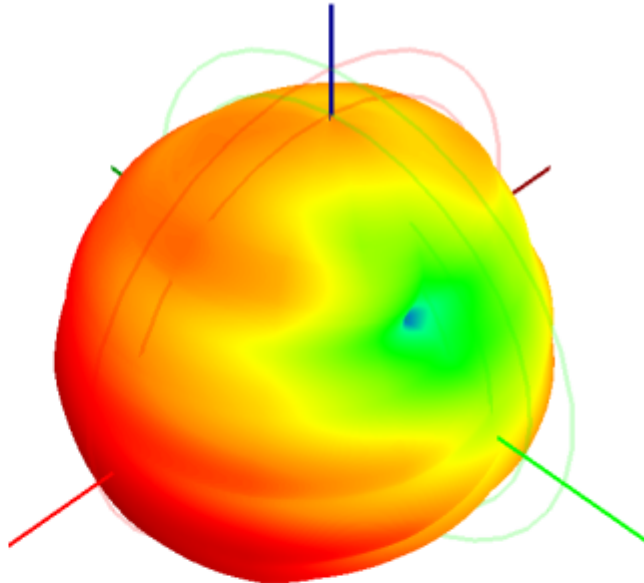
Back View



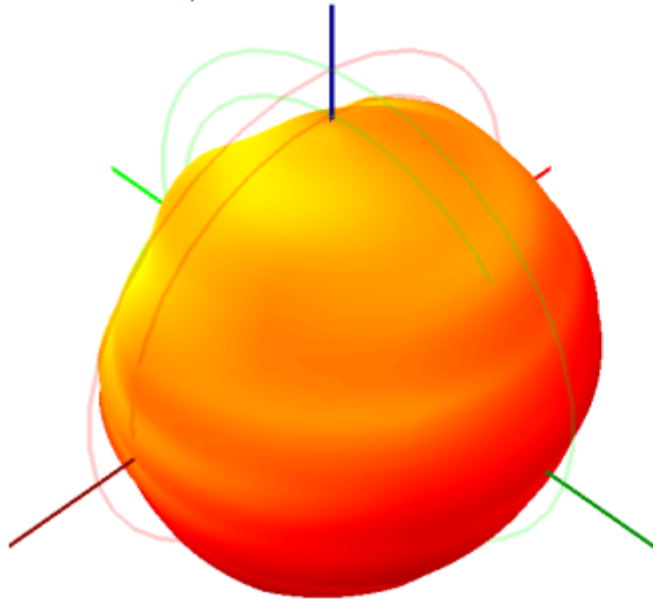
2460.0MHz H+V, Eff: 59.7%



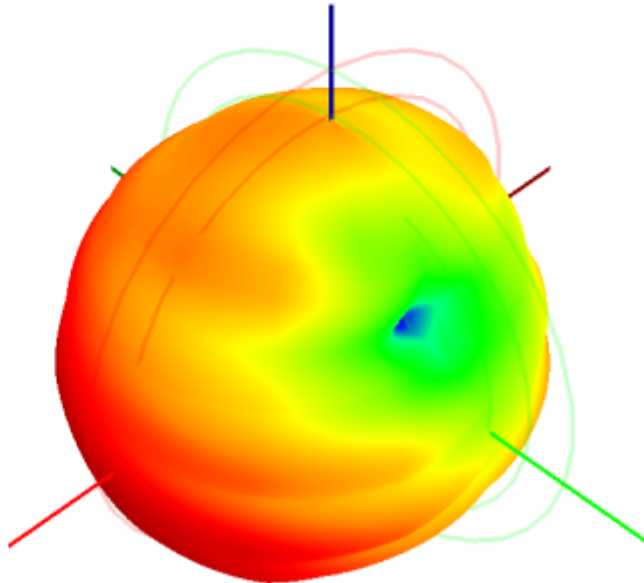
Back View



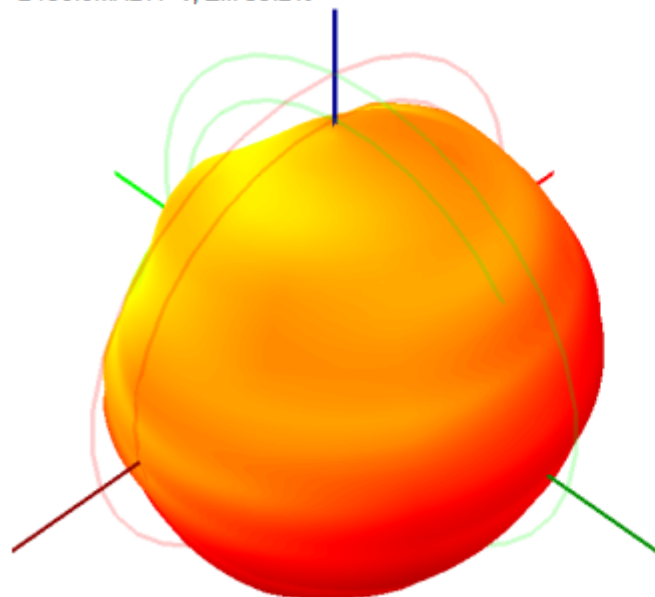
2470.0MHz H+V, Eff: 57.1%



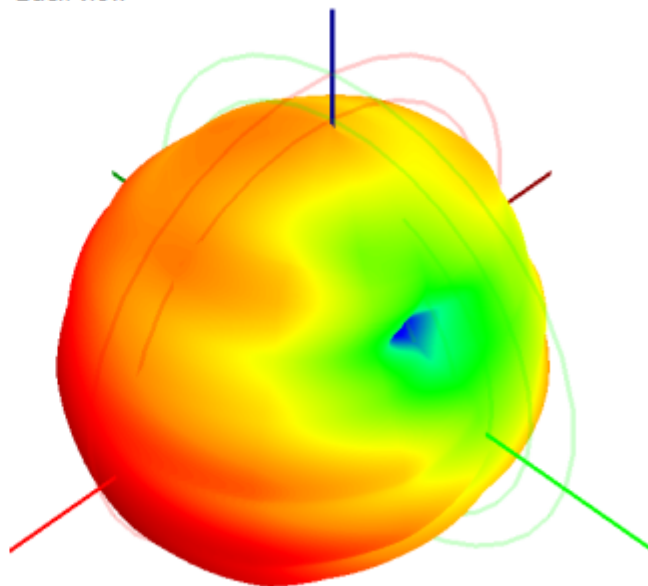
Back View



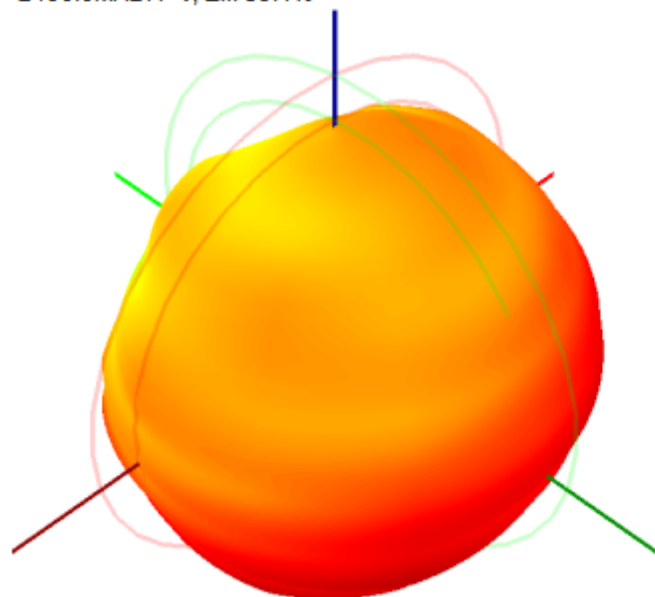
2480.0MHz H+V, Eff: 53.2%



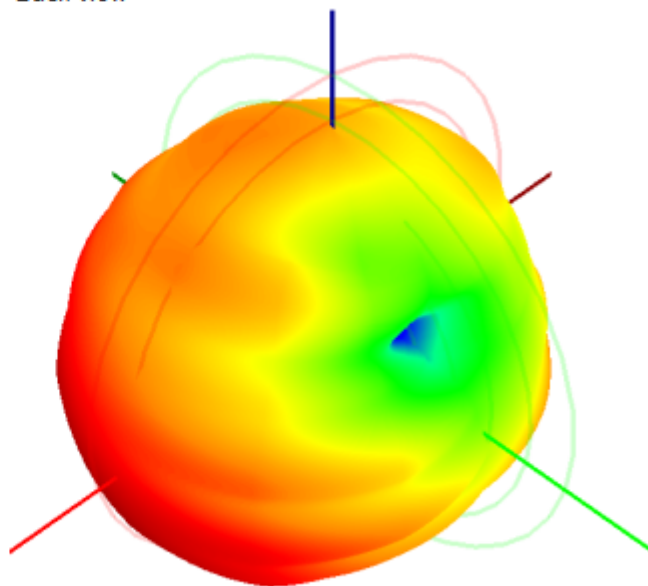
Back View



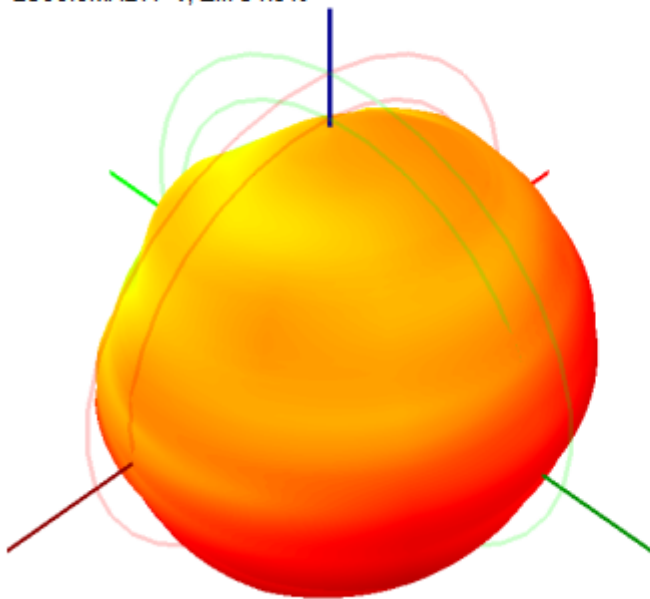
2490.0MHz H+V, Eff: 53.1%



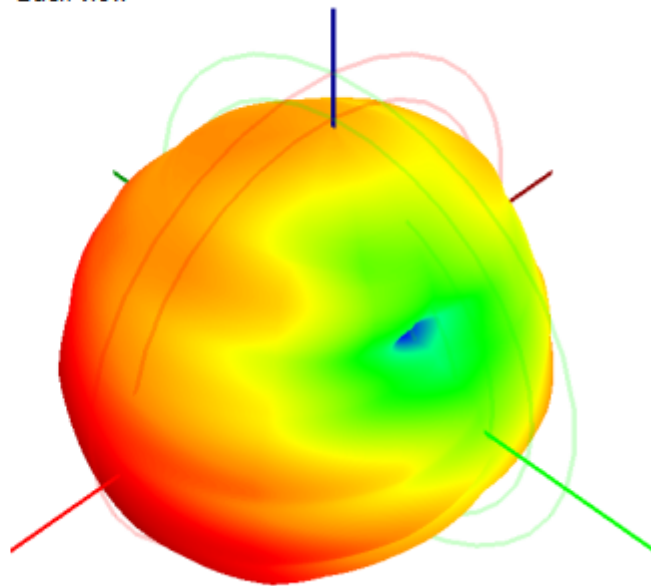
Back View



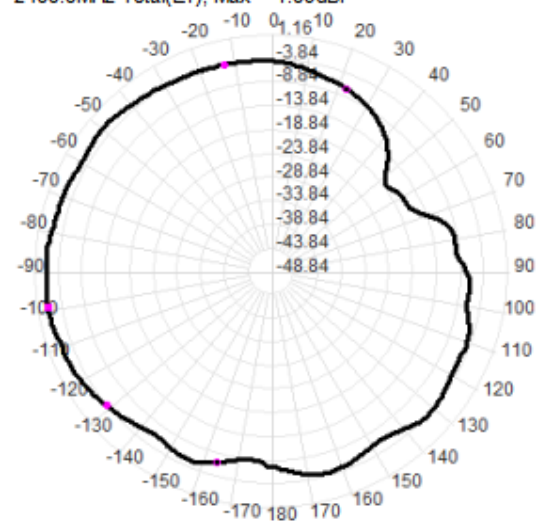
2500.0MHz H+V, Eff: 51.3%



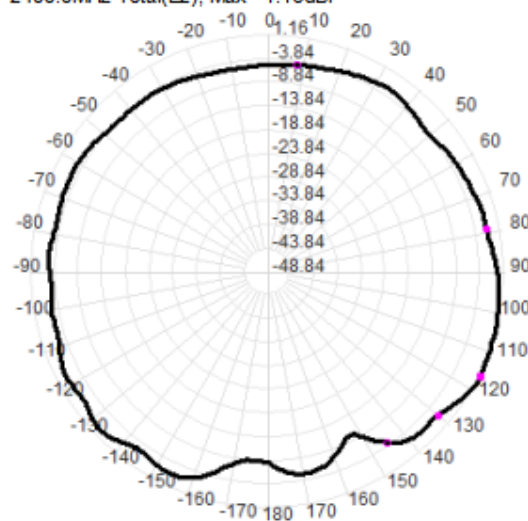
Back View



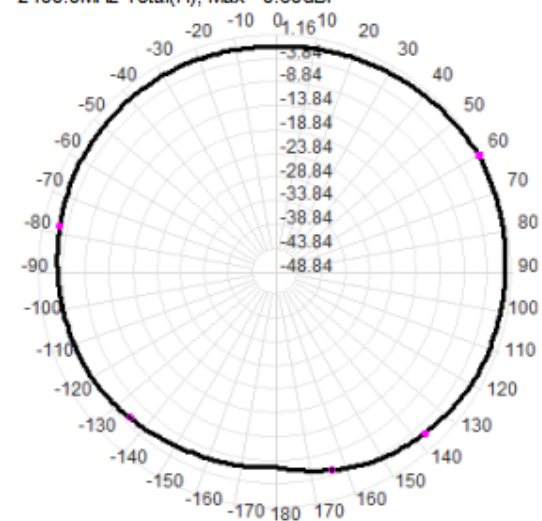
2400.0MHz Total(E1), Max= -1.08dBi



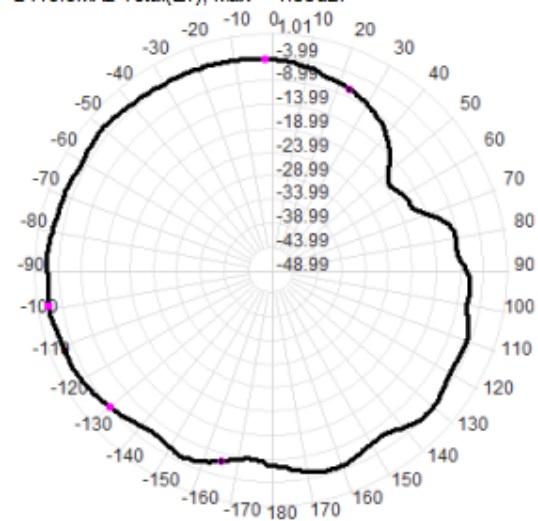
2400.0MHz Total(E2), Max= 1.16dBi



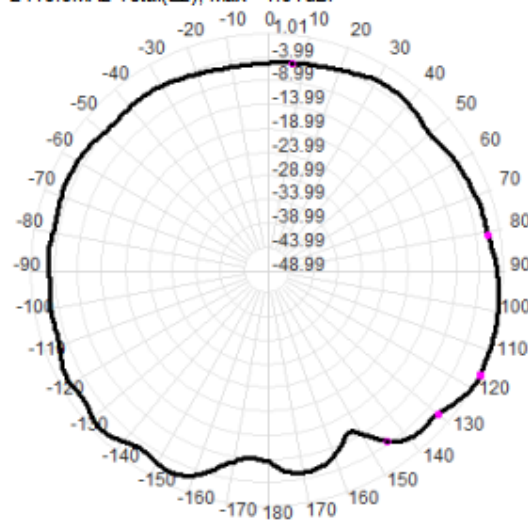
2400.0MHz Total(H), Max= 0.60dBi



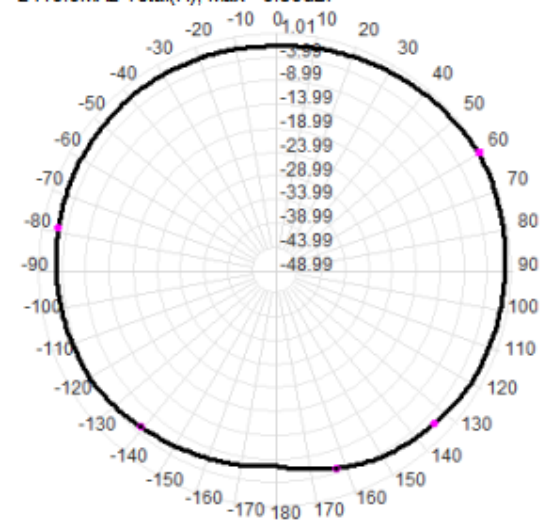
2410.0MHz Total(E1), Max= -1.35dBi



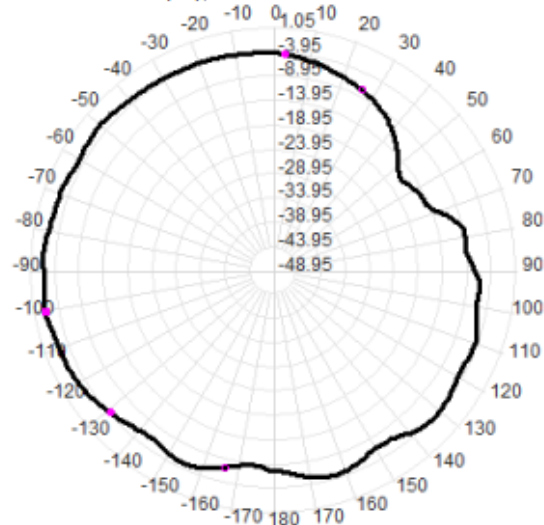
2410.0MHz Total(E2), Max= 1.01dBi



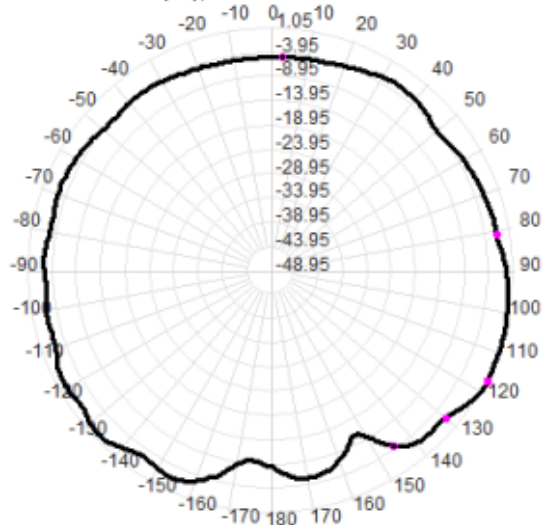
2410.0MHz Total(H), Max= 0.56dBi



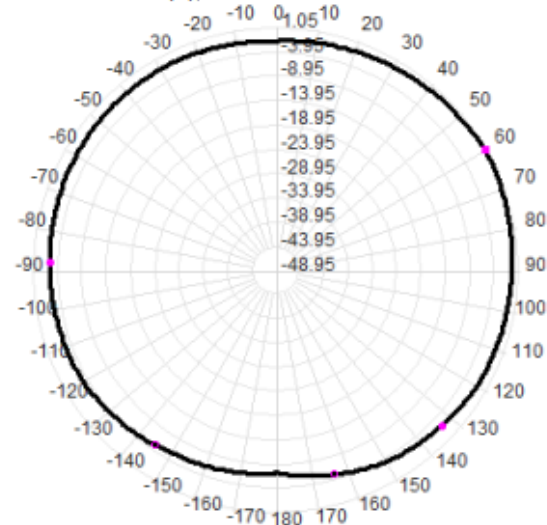
2420.0MHz Total(E1), Max=-1.40dBi



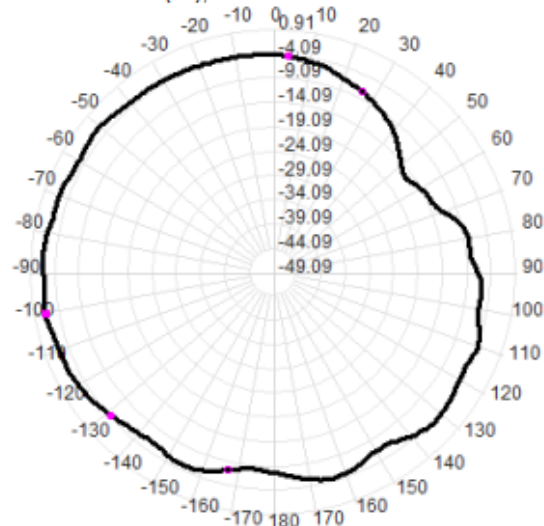
2420.0MHz Total(E2), Max= 1.05dBi



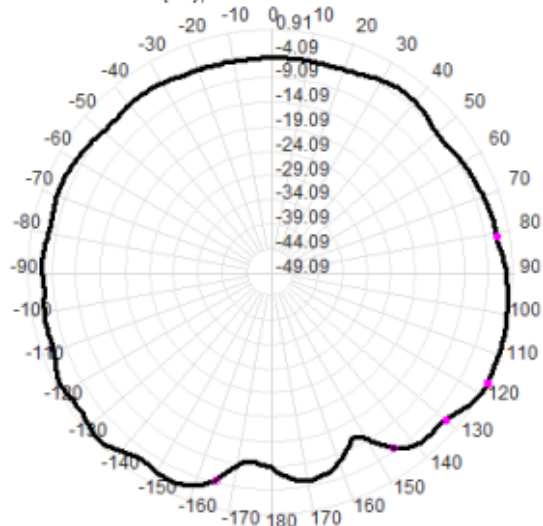
2420.0MHz Total(H), Max= 0.68dBi



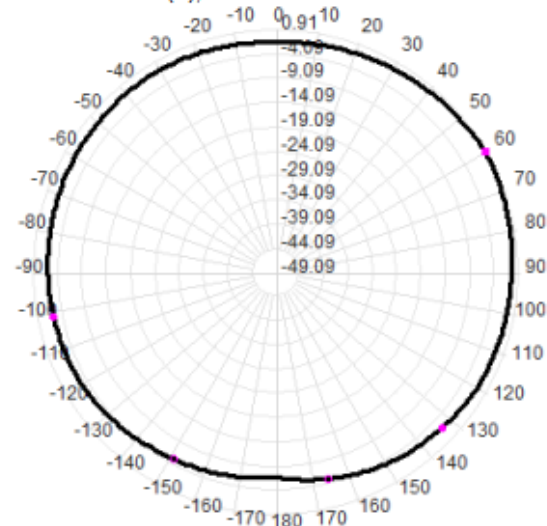
2430.0MHz Total(E1), Max=-1.52dBi



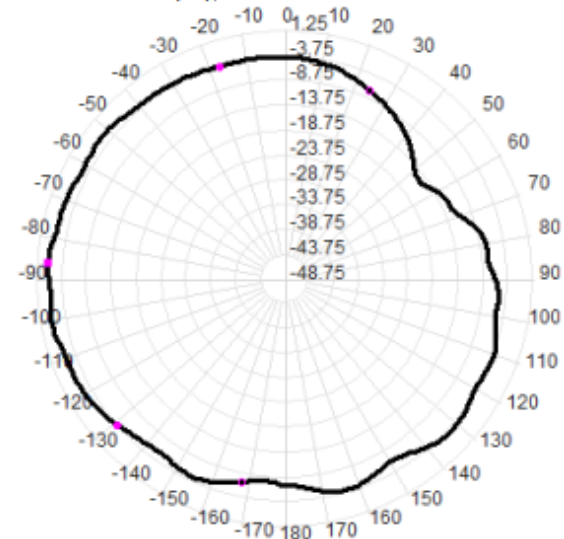
2430.0MHz Total(E2), Max= 0.91dBi



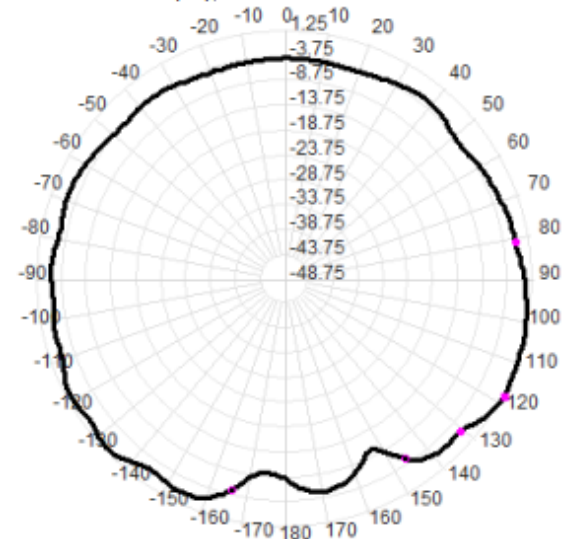
2430.0MHz Total(H), Max= 0.56dBi



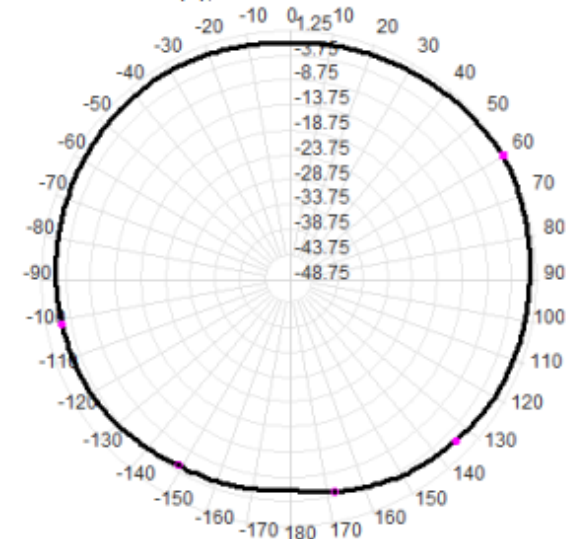
2440.0MHz Total(E1), Max= -1.01dBi



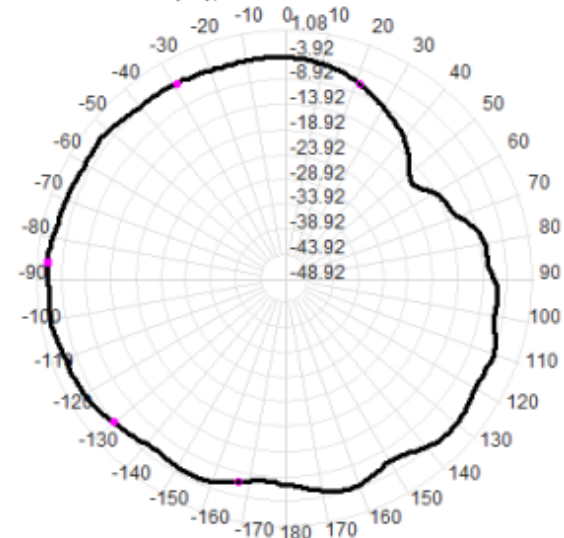
2440.0MHz Total(E2), Max= 1.25dBi



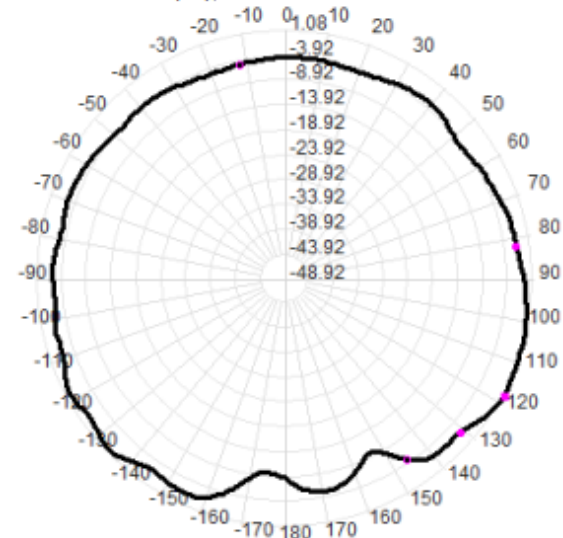
2440.0MHz Total(H), Max= 0.88dBi



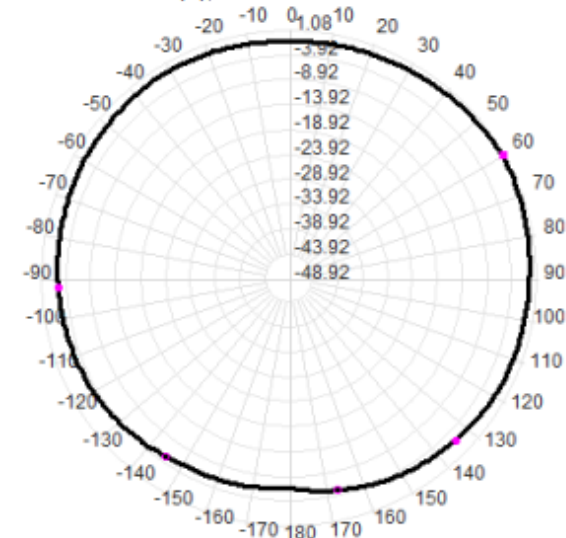
2450.0MHz Total(E1), Max= -0.98dBi



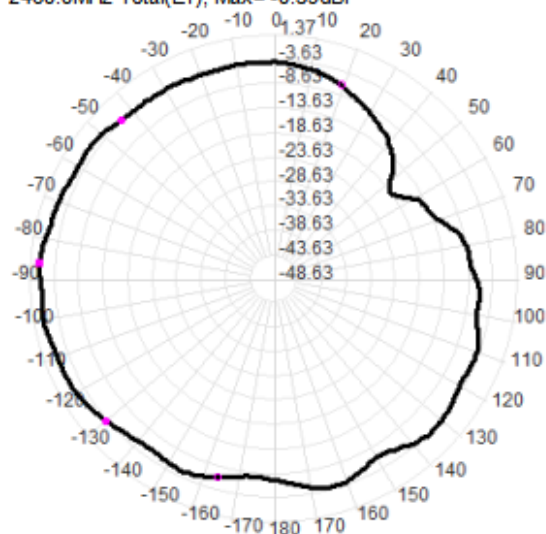
2450.0MHz Total(E2), Max= 1.08dBi



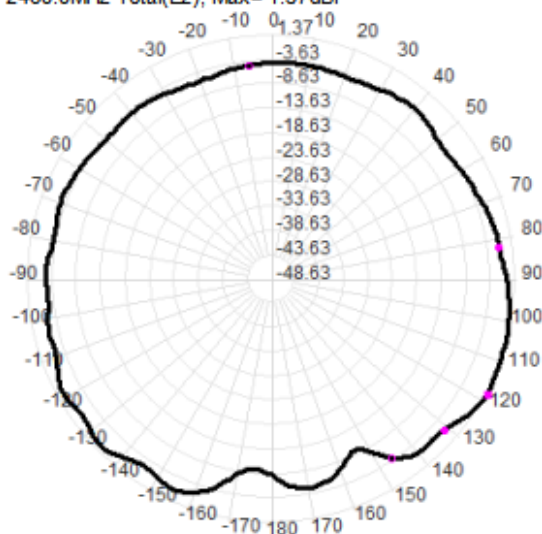
2450.0MHz Total(H), Max= 0.65dBi



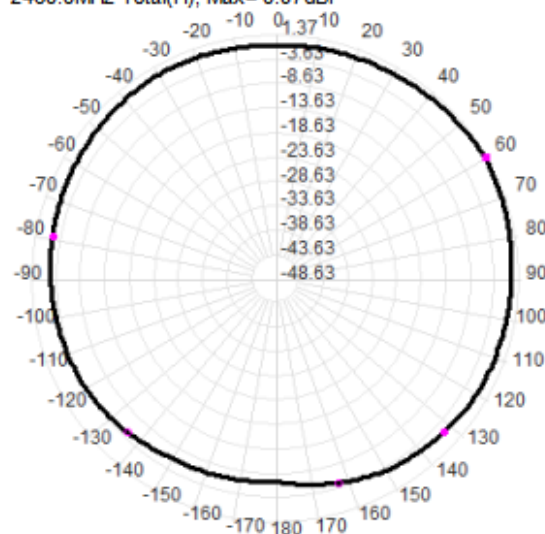
2460.0MHz Total(E1), Max= -0.59dBi



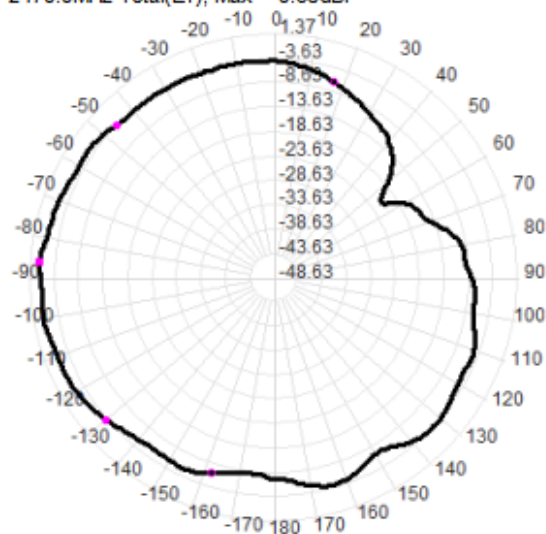
2460.0MHz Total(E2), Max= 1.37dBi



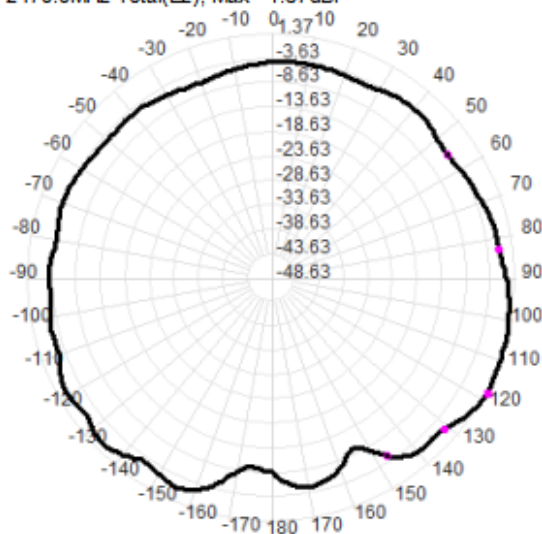
2460.0MHz Total(H), Max= 0.87dBi



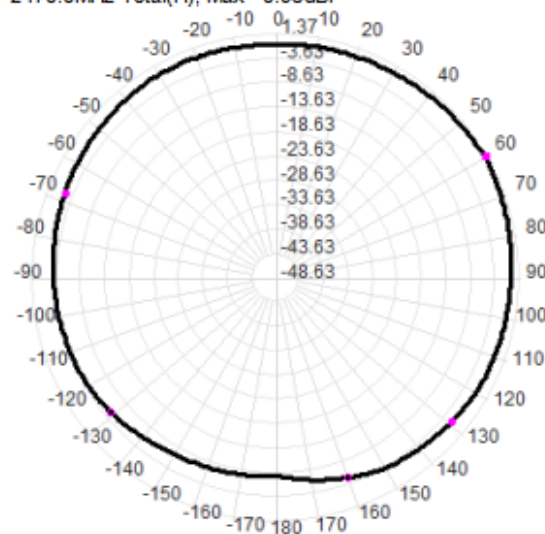
2470.0MHz Total(E1), Max= -0.63dBi



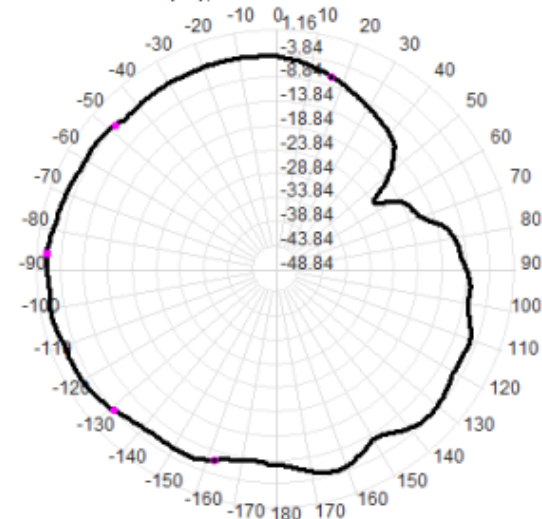
2470.0MHz Total(E2), Max= 1.37dBi



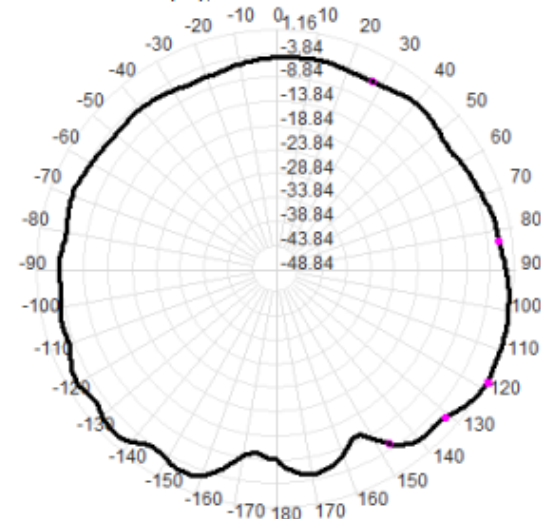
2470.0MHz Total(H), Max= 0.83dBi



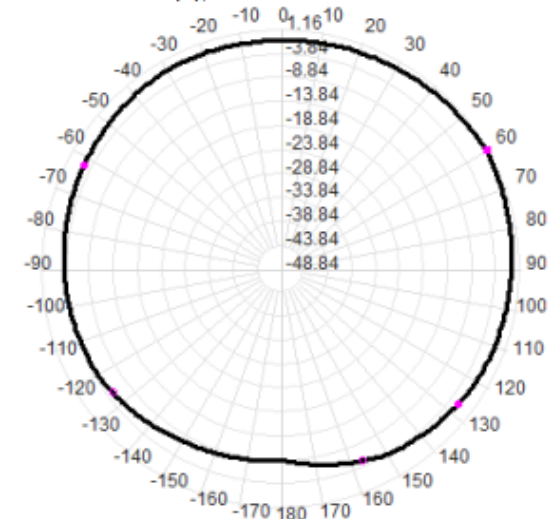
2480.0MHz Total(E1), Max=-0.97dBi



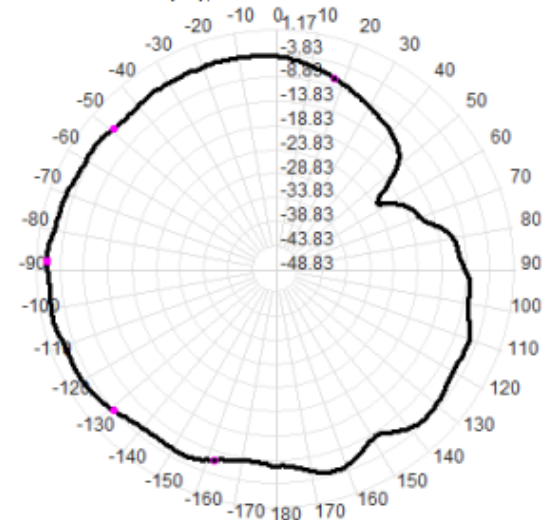
2480.0MHz Total(E2), Max= 1.16dBi



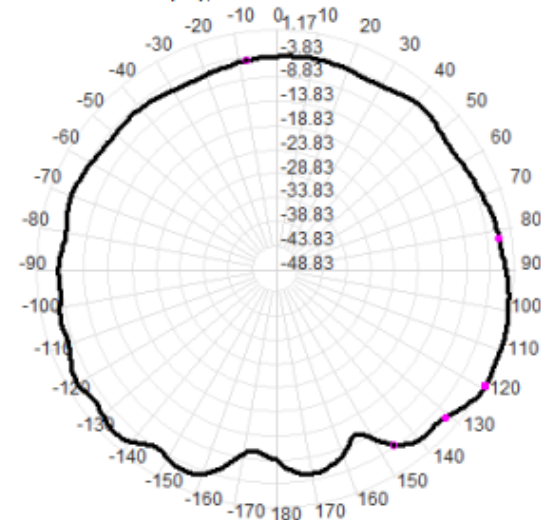
2480.0MHz Total(H), Max= 0.63dBi



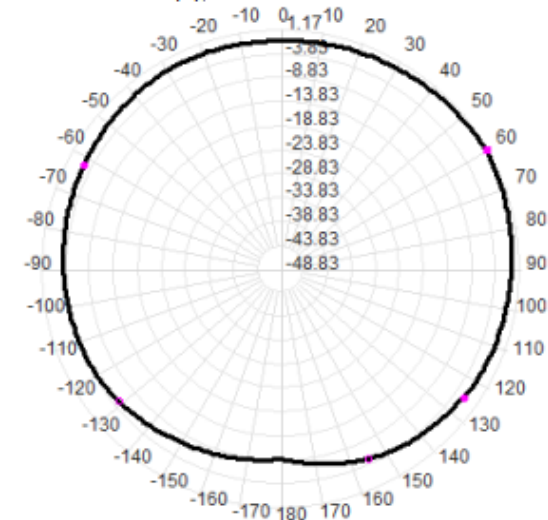
2490.0MHz Total(E1), Max=-1.03dBi



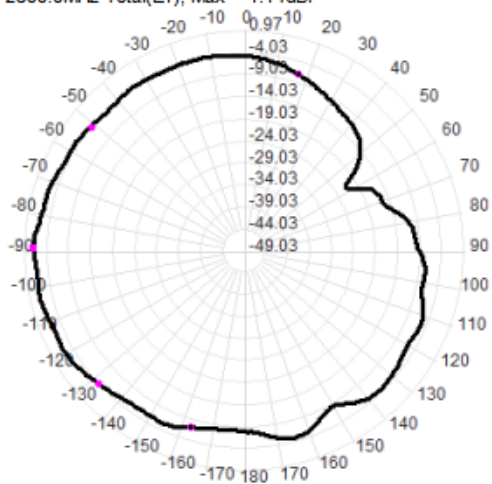
2490.0MHz Total(E2), Max= 1.17dBi



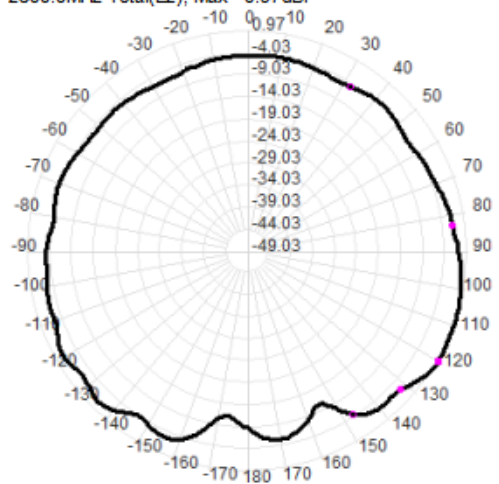
2490.0MHz Total(H), Max= 0.69dBi



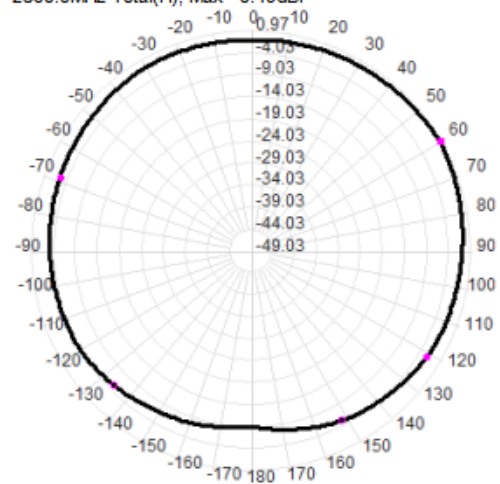
2500.0MHz Total(E1), Max=-1.14dBi



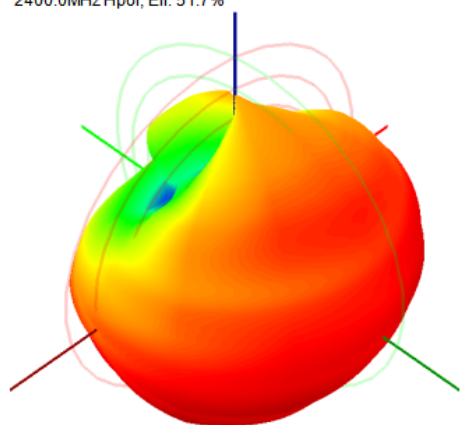
2500.0MHz Total(E2), Max= 0.97dBi



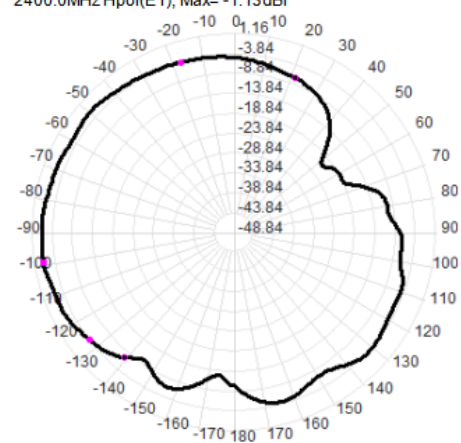
2500.0MHz Total(H), Max= 0.48dBi



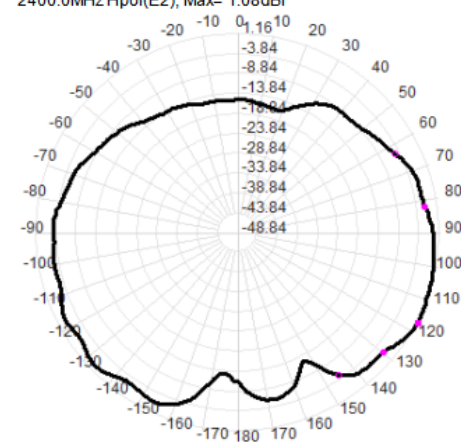
2400.0MHz Hpol, Eff: 51.7%



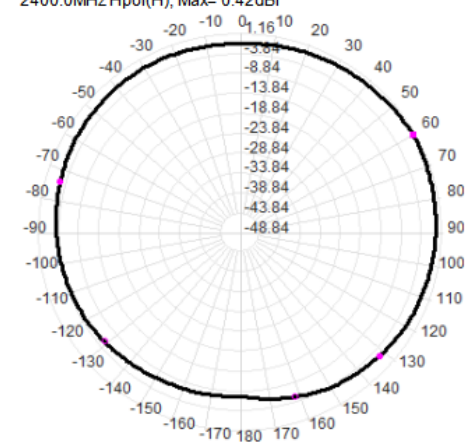
2400.0MHz Hpol(E1), Max= -1.13dBi



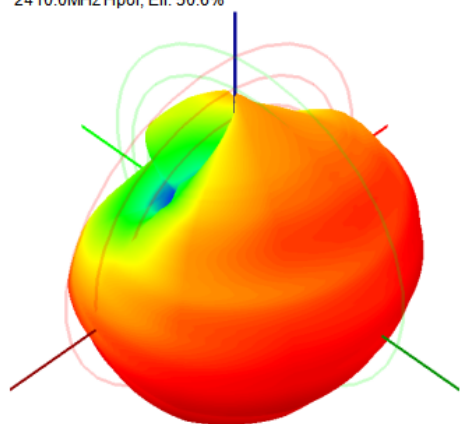
2400.0MHz Hpol(E2), Max= 1.08dBi



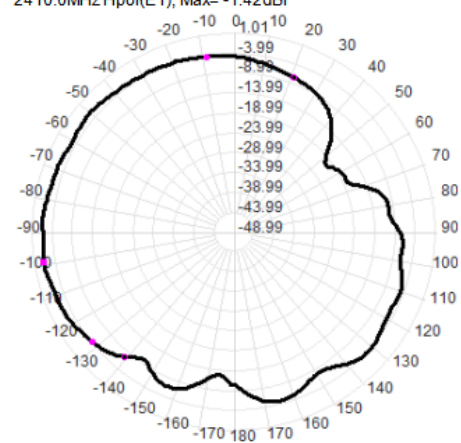
2400.0MHz Hpol(H), Max= 0.42dBi



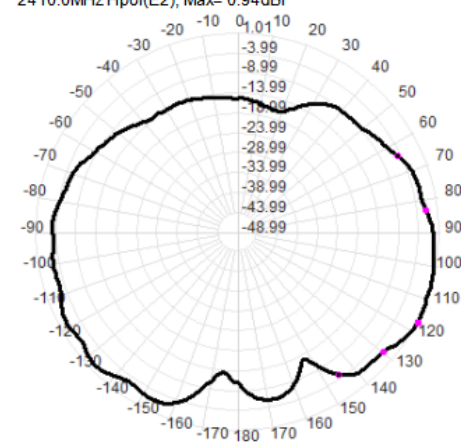
2410.0MHz Hpol, Eff: 50.6%



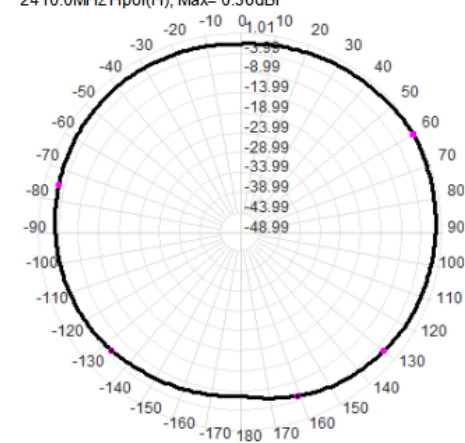
2410.0MHz Hpol(E1), Max= -1.42dBi



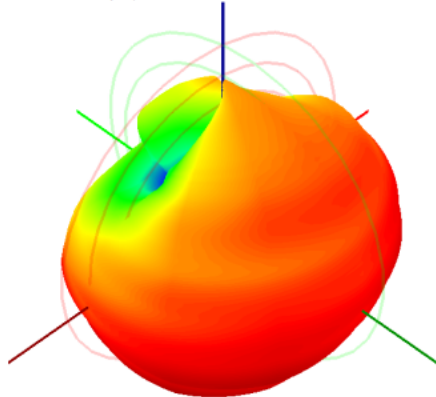
2410.0MHz Hpol(E2), Max= 0.94dBi



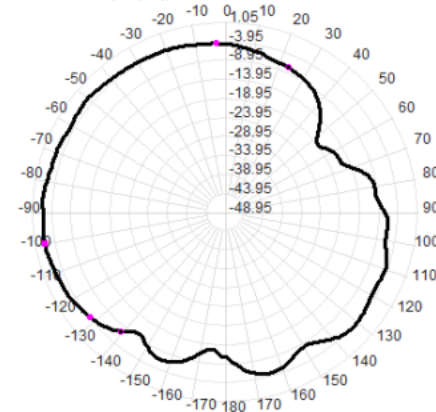
2410.0MHz Hpol(H), Max= 0.36dBi



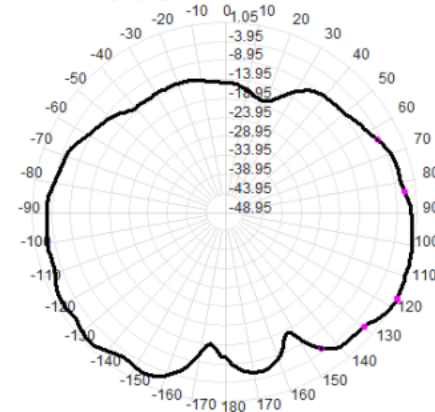
2420.0MHz Hpol, Eff: 52.0%



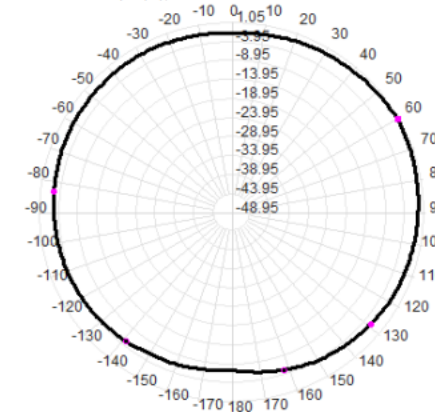
2420.0MHz Hpol(E1), Max= -1.49dBi



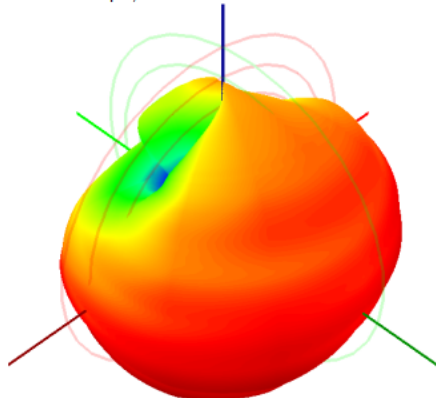
2420.0MHz Hpol(E2), Max= 0.97dBi



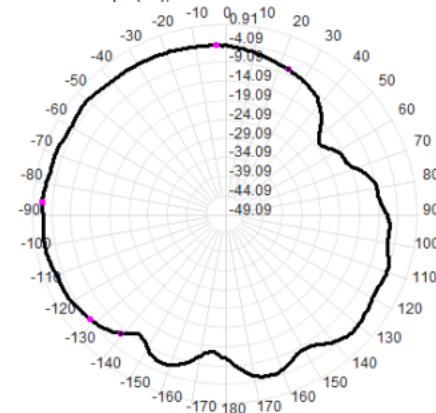
2420.0MHz Hpol(H), Max= 0.48dBi



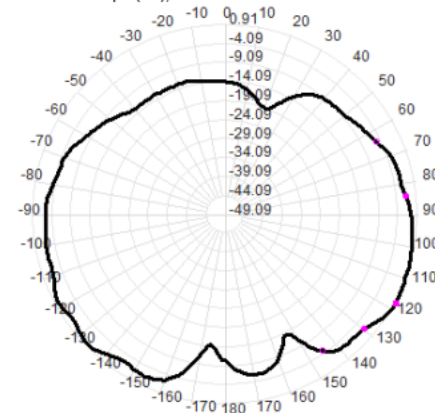
2430.0MHz Hpol, Eff: 51.8%



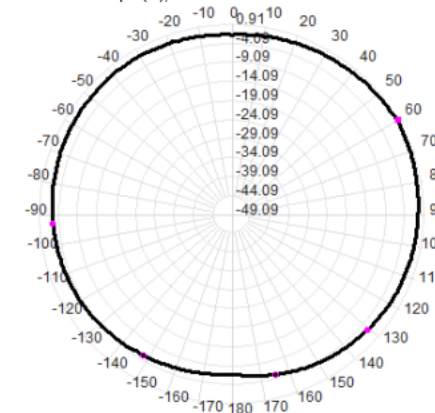
2430.0MHz Hpol(E1), Max= -1.58dBi



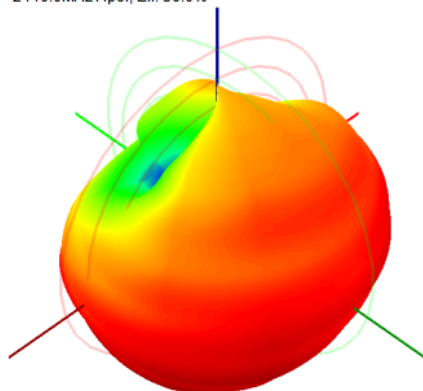
2430.0MHz Hpol(E2), Max= 0.85dBi



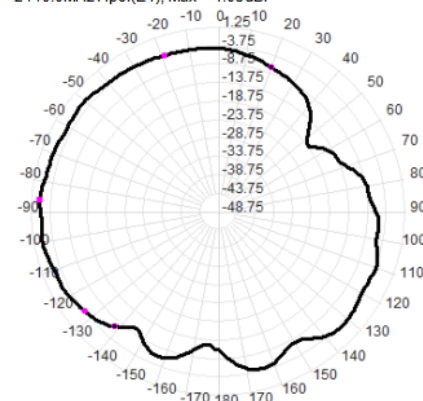
2430.0MHz Hpol(H), Max= 0.36dBi



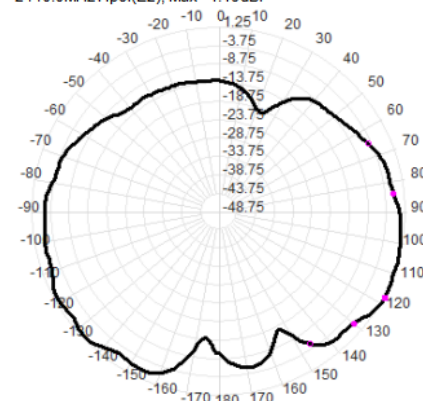
2440.0MHz Hpol, Eff: 56.0%



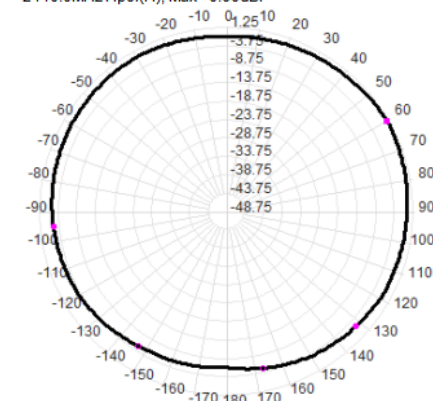
2440.0MHz Hpol(E1), Max= -1.05dBi



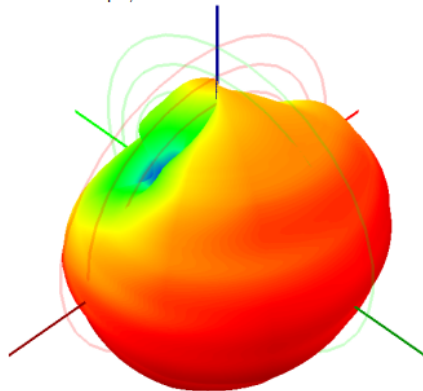
2440.0MHz Hpol(E2), Max= 1.19dBi



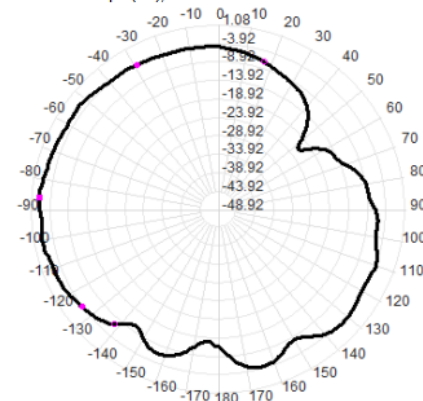
2440.0MHz Hpol(H), Max= 0.66dBi



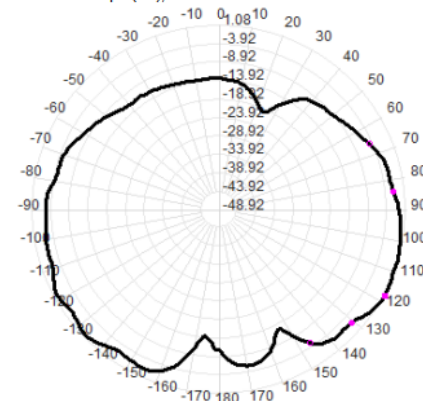
2450.0MHz Hpol, Eff: 52.3%



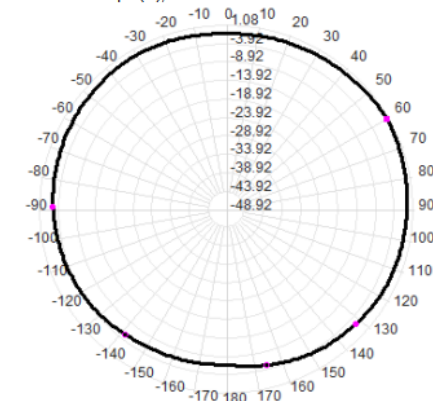
2450.0MHz Hpol(E1), Max= -1.03dBi



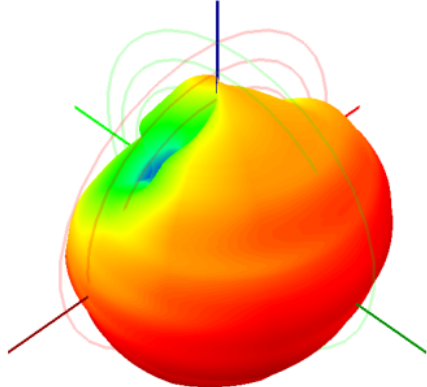
2450.0MHz Hpol(E2), Max= 1.03dBi



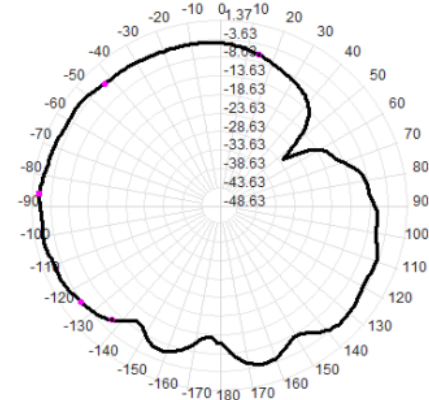
2450.0MHz Hpol(H), Max= 0.43dBi



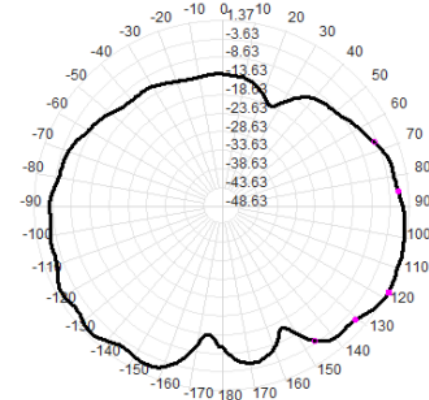
2460.0MHz Hpol, Eff: 52.1%



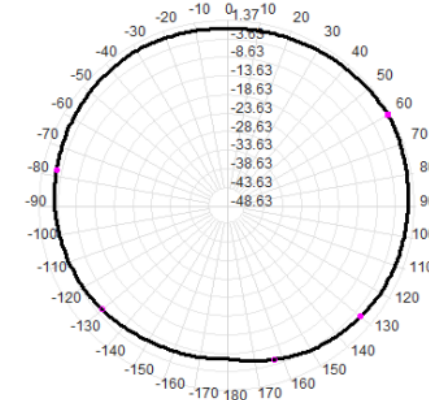
2460.0MHz Hpol(E1), Max= -0.63dBi



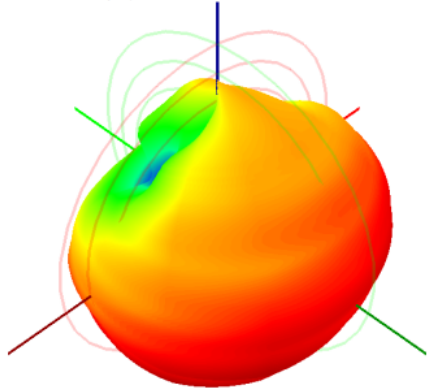
2460.0MHz Hpol(E2), Max= 1.33dBi



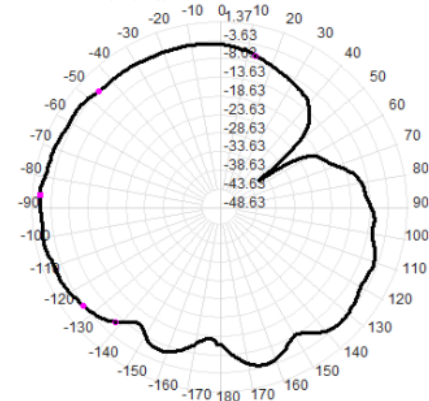
2460.0MHz Hpol(H), Max= 0.67dBi



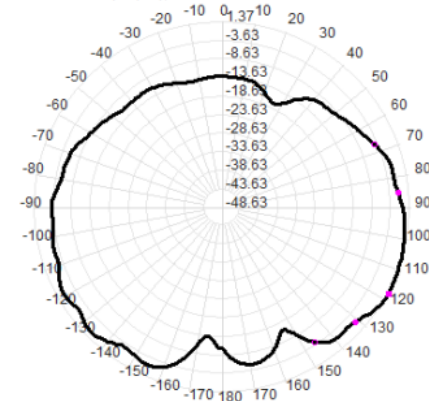
2470.0MHz Hpol, Eff: 50.0%



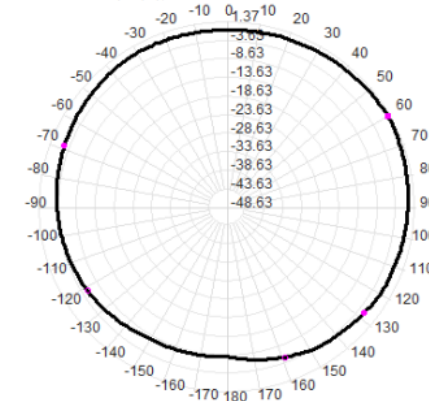
2470.0MHz Hpol(E1), Max= -0.67dBi



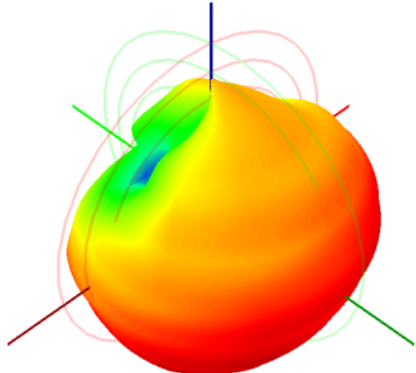
2470.0MHz Hpol(E2), Max= 1.33dBi



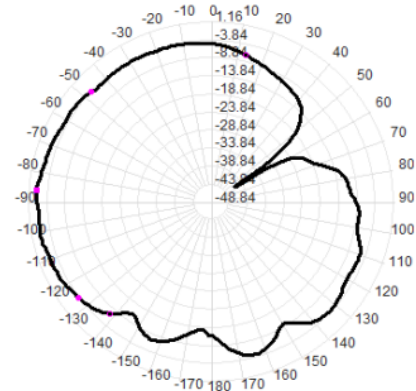
2470.0MHz Hpol(H), Max= 0.65dBi



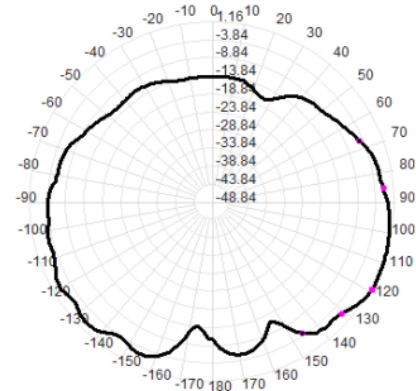
2480.0MHz Hpol, Eff: 46.3%



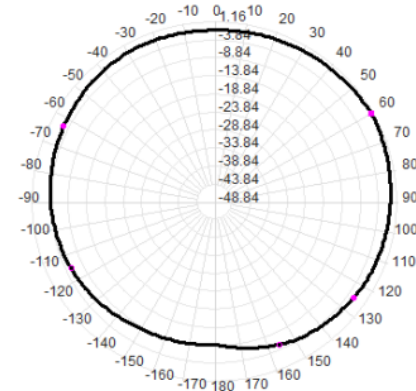
2480.0MHz Hpol(E1), Max= -1.01dBi



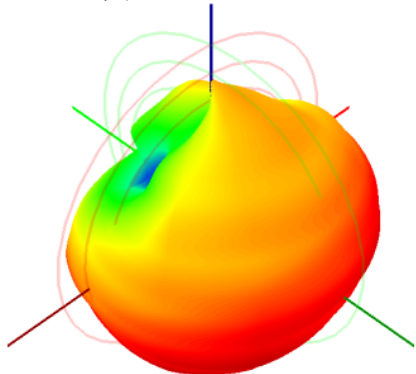
2480.0MHz Hpol(E2), Max= 1.11dBi



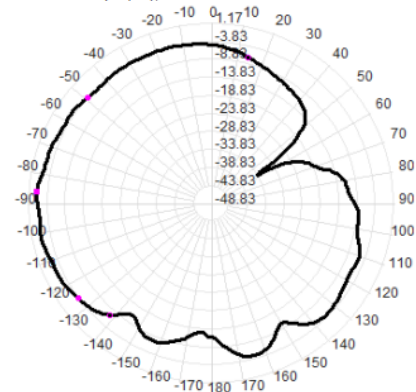
2480.0MHz Hpol(H), Max= 0.45dBi



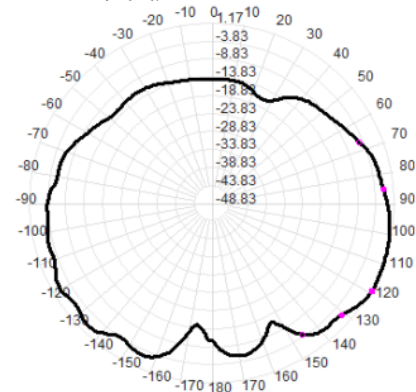
2490.0MHz Hpol, Eff: 45.9%



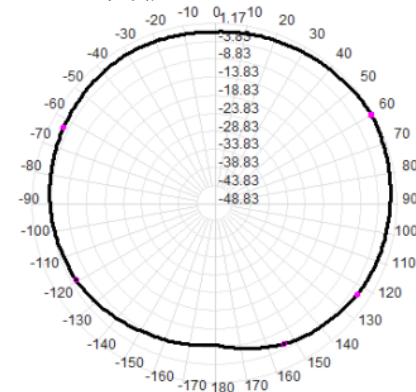
2490.0MHz Hpol(E1), Max= -1.10dBi



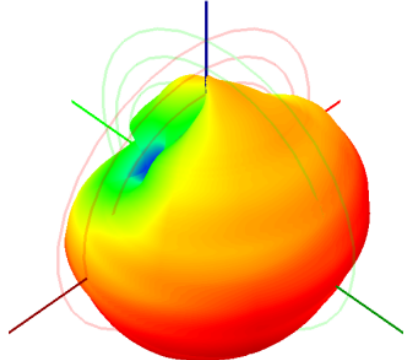
2490.0MHz Hpol(E2), Max= 1.12dBi



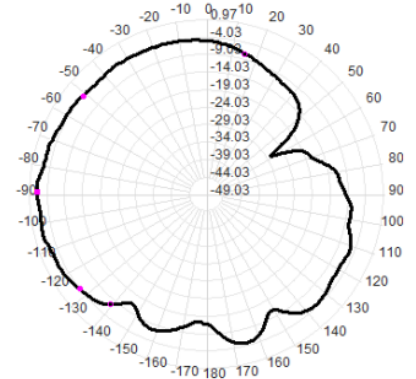
2490.0MHz Hpol(H), Max= 0.50dBi



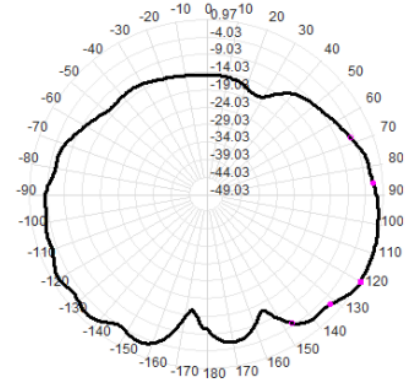
2500.0MHz Hpol, Eff: 44.6%



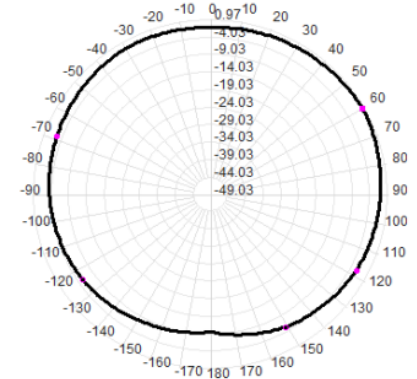
2500.0MHz Hpol(E1), Max= -1.24dBi



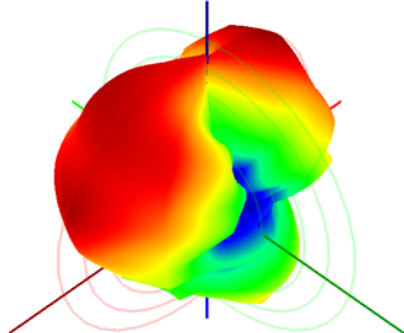
2500.0MHz Hpol(E2), Max= 0.94dBi



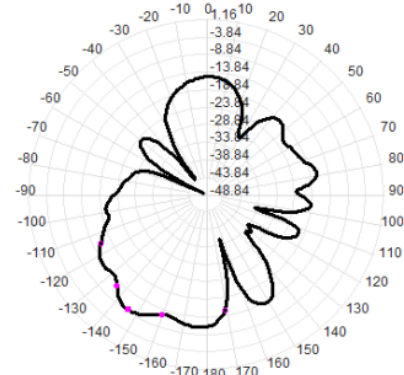
2500.0MHz Hpol(H), Max= 0.32dBi



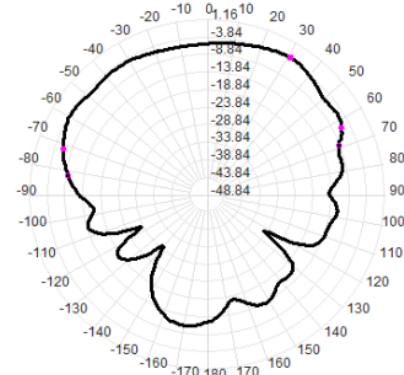
2400.0MHz Vpol, Eff: 8.4%



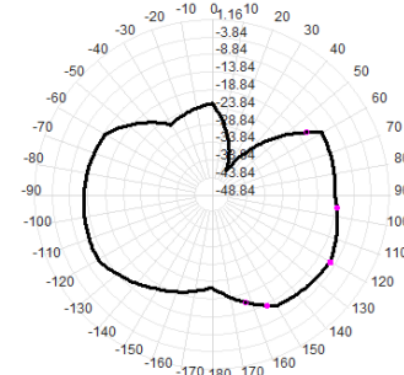
2400.0MHz Vpol(E1), Max=-9.54dBi



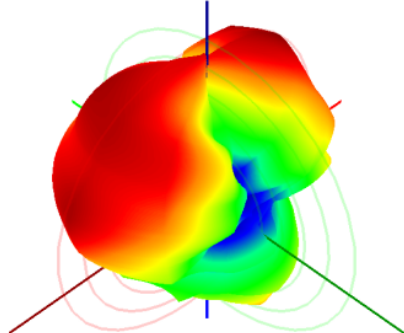
2400.0MHz Vpol(E2), Max=-3.34dBi



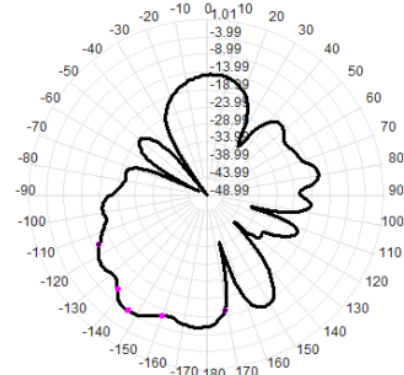
2400.0MHz Vpol(H), Max=-10.63dBi



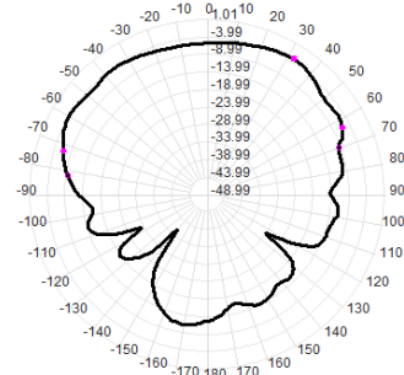
2410.0MHz Vpol, Eff: 8.5%



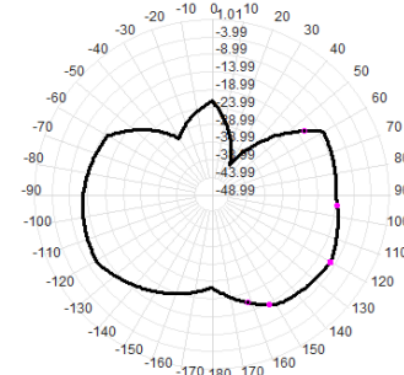
2410.0MHz Vpol(E1), Max=-9.33dBi



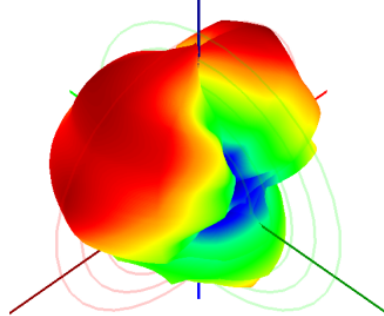
2410.0MHz Vpol(E2), Max=-3.37dBi



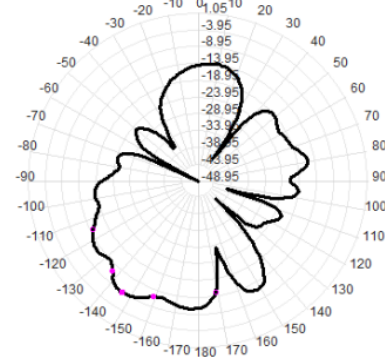
2410.0MHz Vpol(H), Max=-10.67dBi



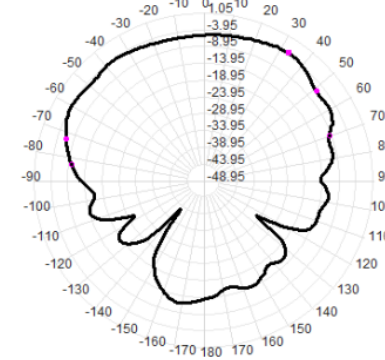
2420.0MHz Vpol, Eff: 8.4%



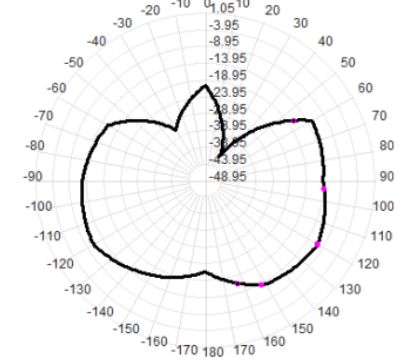
2420.0MHz Vpol(E1), Max= -8.92dBi



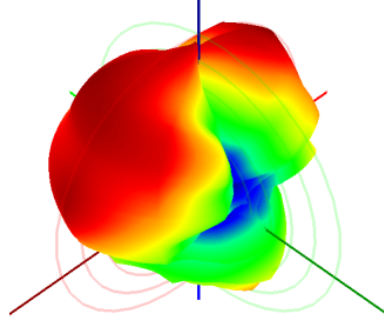
2420.0MHz Vpol(E2), Max= -3.49dBi



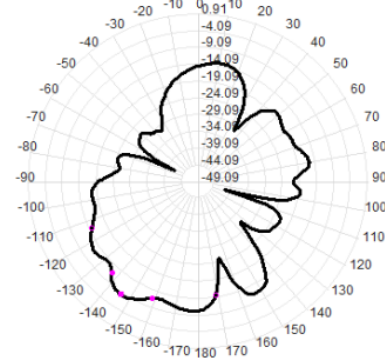
2420.0MHz Vpol(H), Max= -10.98dBi



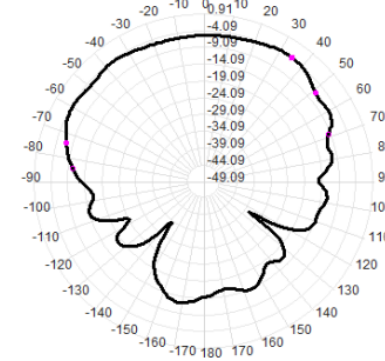
2430.0MHz Vpol, Eff: 7.9%



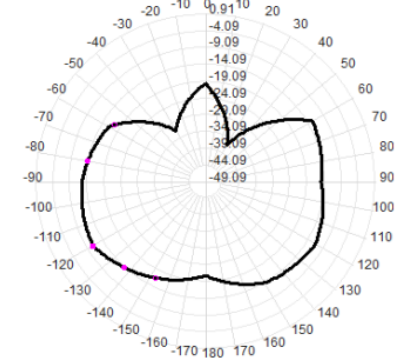
2430.0MHz Vpol(E1), Max= -8.59dBi



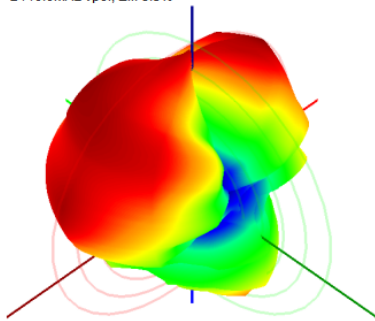
2430.0MHz Vpol(E2), Max= -3.84dBi



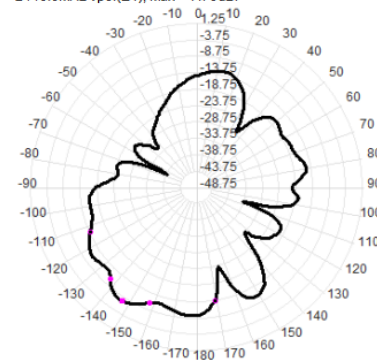
2430.0MHz Vpol(H), Max= -10.95dBi



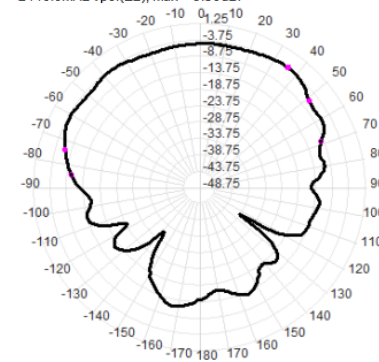
2440.0MHz Vpol, Eff: 8.5%



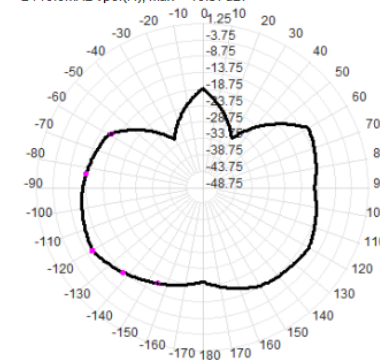
2440.0MHz Vpol(E1), Max=-7.70dBi



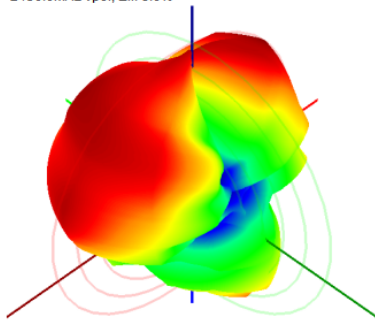
2440.0MHz Vpol(E2), Max=-3.56dBi



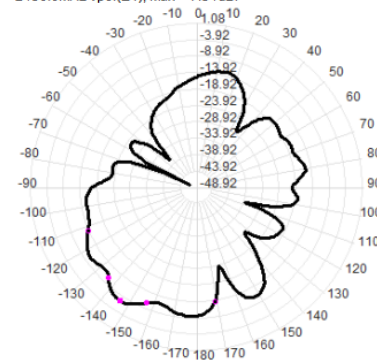
2440.0MHz Vpol(H), Max=-10.57dBi



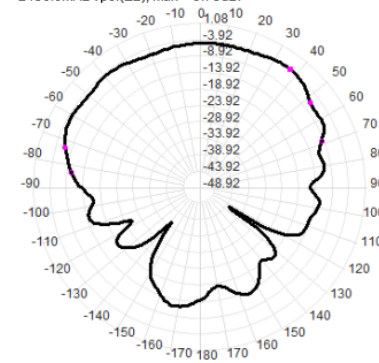
2450.0MHz Vpol, Eff: 8.0%



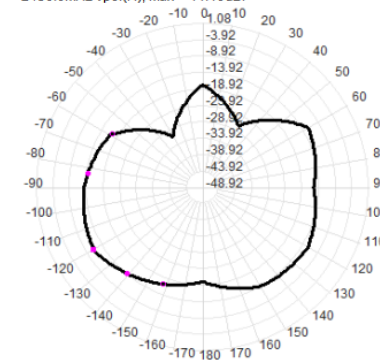
2450.0MHz Vpol(E1), Max=-7.54dBi



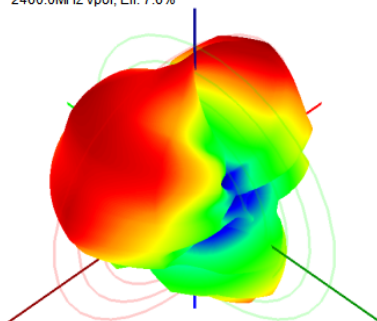
2450.0MHz Vpol(E2), Max=-3.78dBi



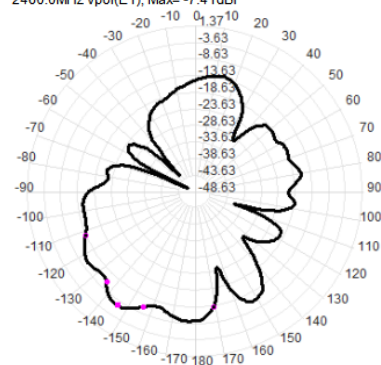
2450.0MHz Vpol(H), Max=-11.16dBi



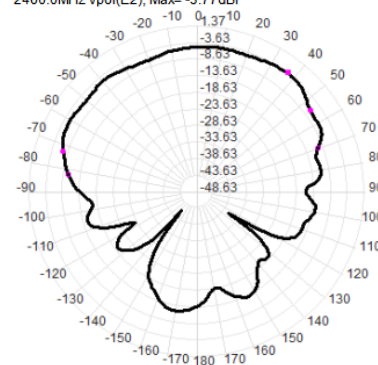
2460.0MHz Vpol, Eff: 7.6%



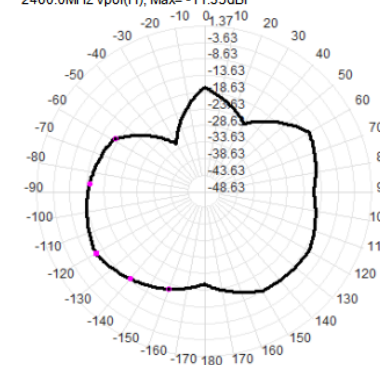
2460.0MHz Vpol(E1), Max= -7.41dBi



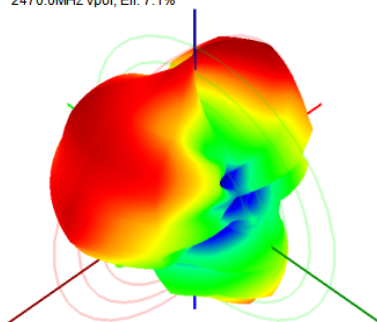
2460.0MHz Vpol(E2), Max= -3.77dBi



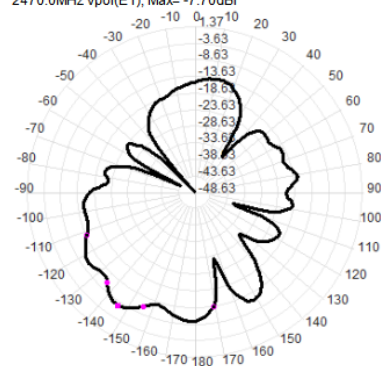
2460.0MHz Vpol(H), Max= -11.35dBi



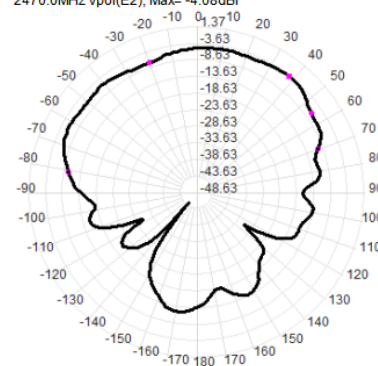
2470.0MHz Vpol, Eff: 7.1%



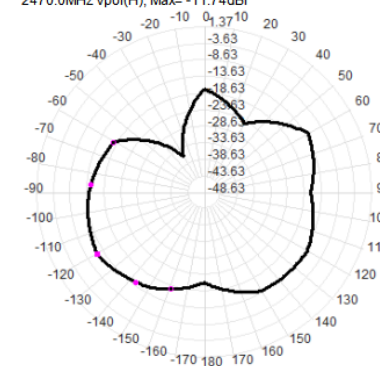
2470.0MHz Vpol(E1), Max= -7.70dBi



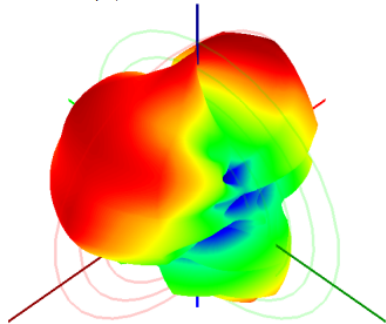
2470.0MHz Vpol(E2), Max= -4.08dBi



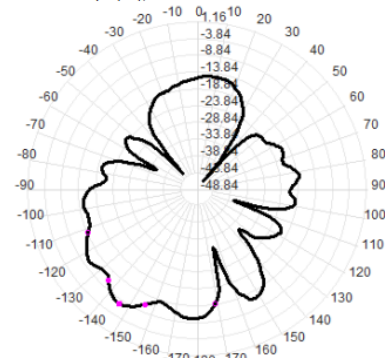
2470.0MHz Vpol(H), Max= -11.74dBi



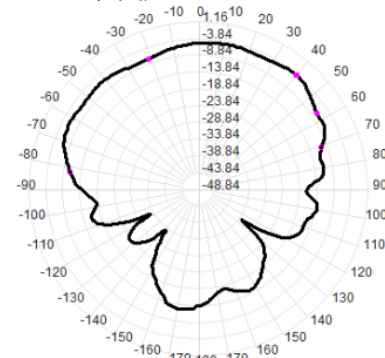
2480.0MHz Vpol, Eff: 6.9%



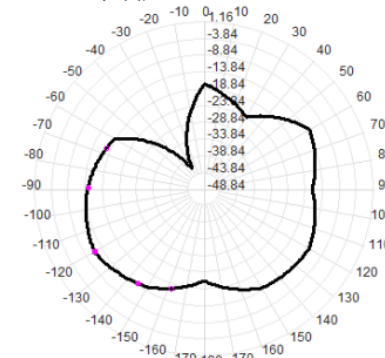
2480.0MHz Vpol(E1), Max=-7.80dBi



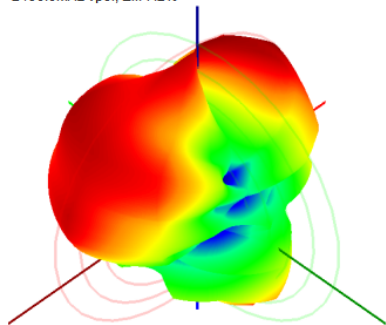
2480.0MHz Vpol(E2), Max=-4.30dBi



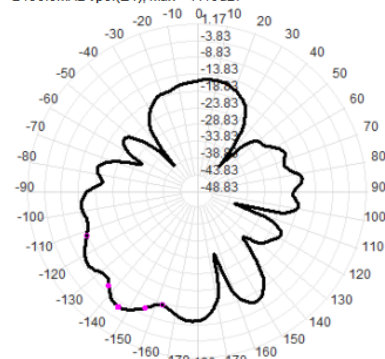
2480.0MHz Vpol(H), Max=-11.60dBi



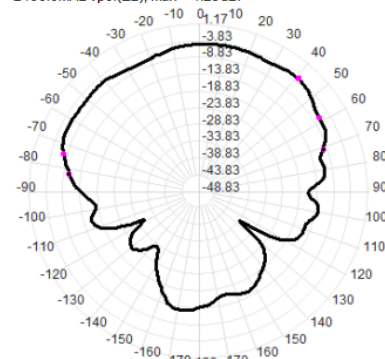
2490.0MHz Vpol, Eff: 7.2%



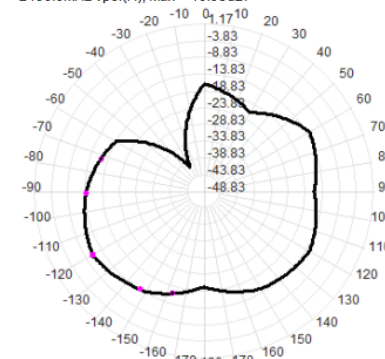
2490.0MHz Vpol(E1), Max=-7.40dBi



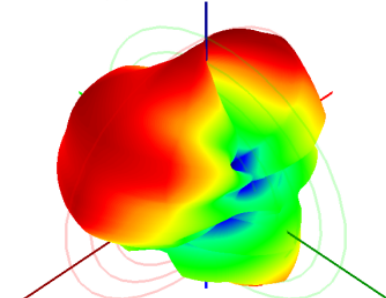
2490.0MHz Vpol(E2), Max=-4.23dBi



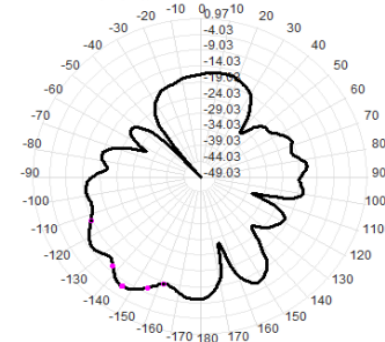
2490.0MHz Vpol(H), Max=-10.98dBi



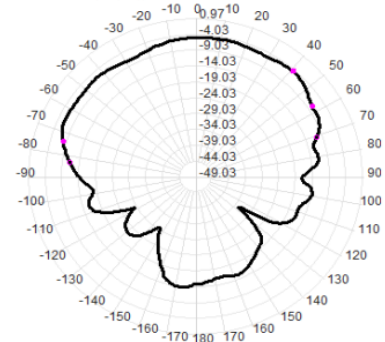
2500.0MHz Vpol, Eff: 6.7%



2500.0MHz Vpol(E1), Max=-7.45dBi



2500.0MHz Vpol(E2), Max=-4.81dBi



2500.0MHz Vpol(H), Max=-10.91dBi

