

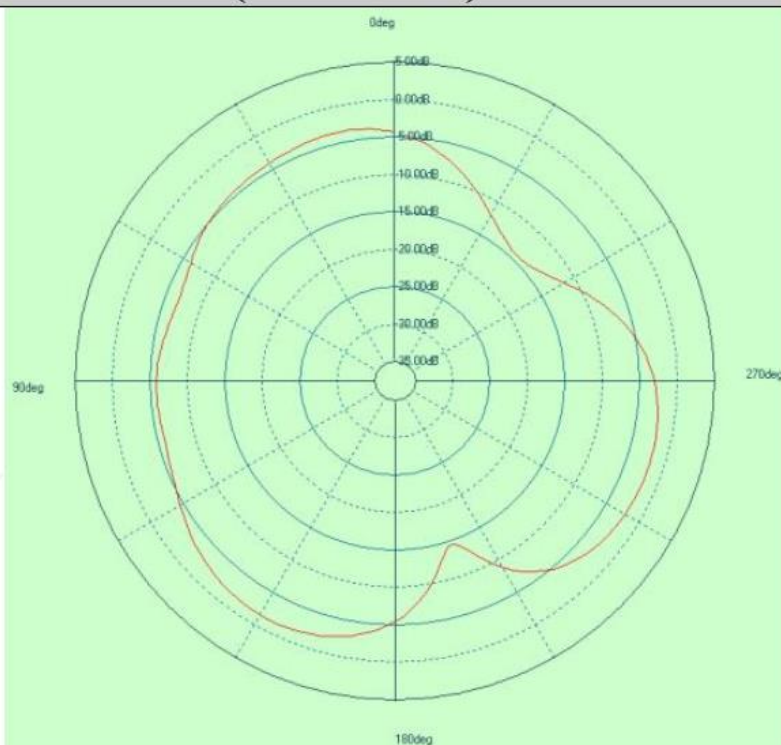
## 7. Antenna

### 7.1. MDBT50Q

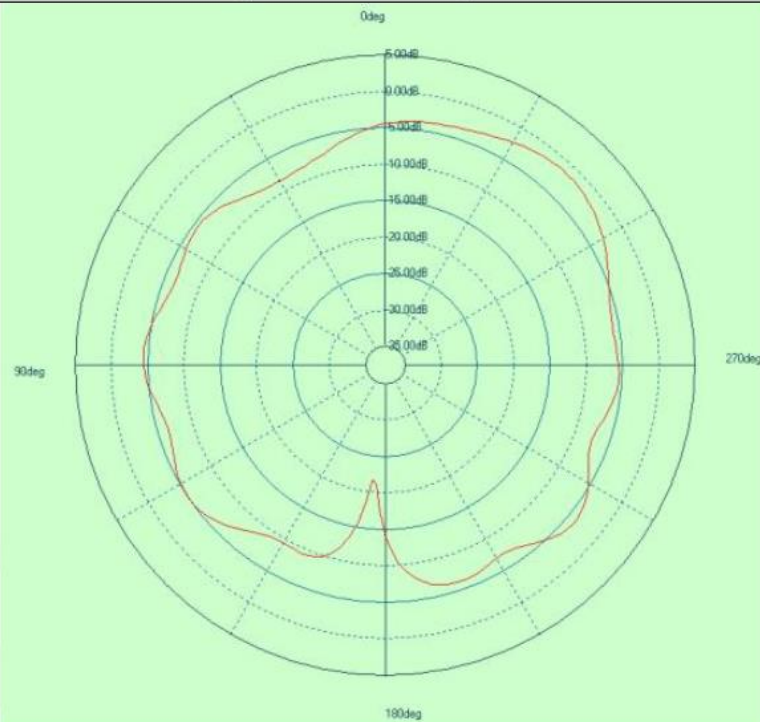
#### Antenna Gain and Efficiency

| MDBT50Q (CHIP antenna) |           |            |               |
|------------------------|-----------|------------|---------------|
| Freq(MHz)              | Peak. dBi | Efficiency | Average . dBi |
| 2400.00                | -1.47     | 25.18%     | -5.99         |
| 2410.00                | -1.27     | 26.07%     | -5.84         |
| 2420.00                | -1.32     | 27.15%     | -5.66         |
| 2430.00                | -1.12     | 28.51%     | -5.45         |
| 2440.00                | -0.80     | 29.41%     | -5.32         |
| 2450.00                | -0.65     | 29.59%     | -5.29         |
| 2460.00                | -0.82     | 28.98%     | -5.38         |
| 2470.00                | -0.94     | 29.31%     | -5.33         |
| 2480.00                | -0.88     | 29.12%     | -5.36         |
| 2490.00                | -0.98     | 27.60%     | -5.59         |
| 2500.00                | -1.49     | 24.96%     | -6.03         |

#### Free Space EIRP (2450 MHz) – XY cut



## Free Space EIRP (2450 MHz) – XZ cut



## Free Space EIRP (2450 MHz) – YZ cut

