

## 1 Antenna specification

|                     |                                                                                         |
|---------------------|-----------------------------------------------------------------------------------------|
| Antenna name        | 2.4G ANT                                                                                |
| Antenna type        | PCB Antenna                                                                             |
| Manufacturer's name | Linking technology,Co.,Inc.                                                             |
| Address             | 2F, Building 5, Lihe Industrial Park, No. 1055 Songbai Road, Nanshan District, Shenzhen |

### Gain and Efficiency

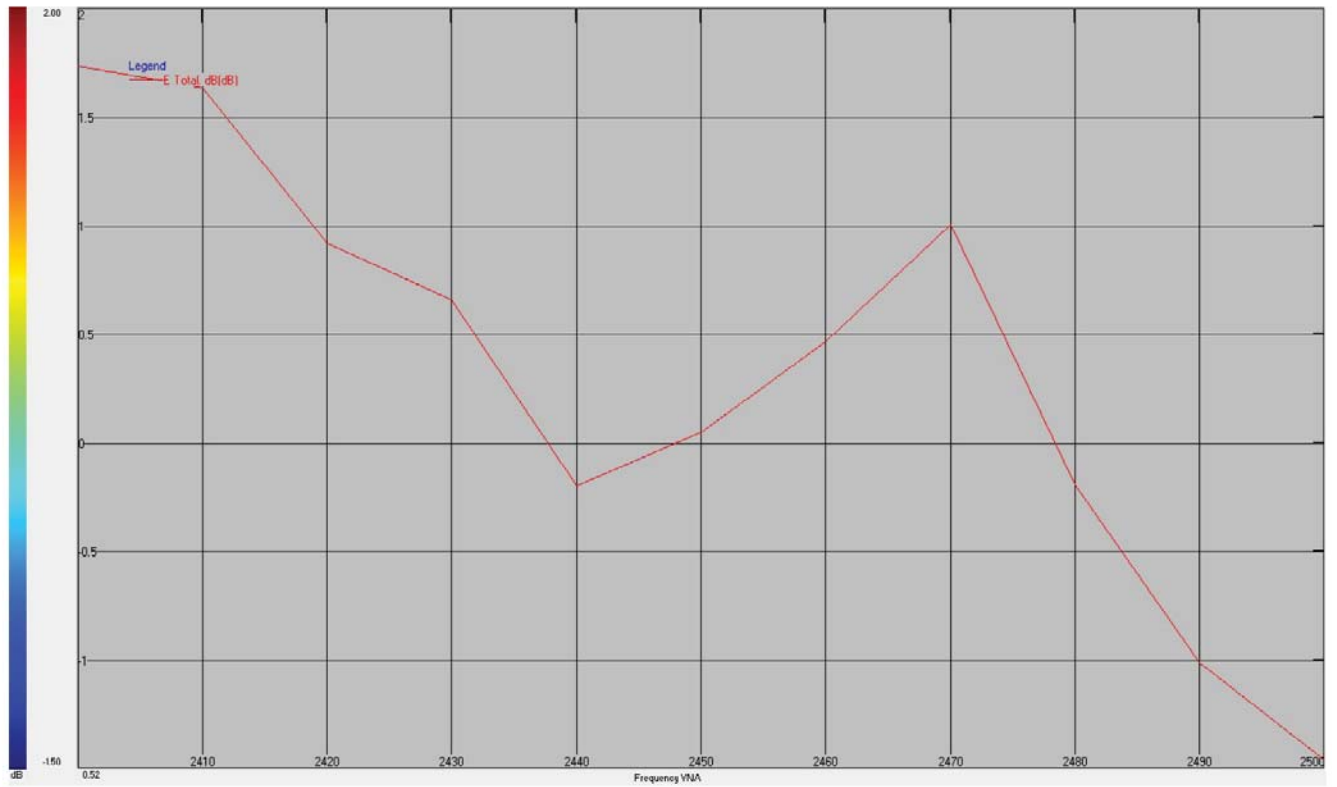
| Frequency | Gain  | Efficiency |
|-----------|-------|------------|
| 2400      | 1.74  | 26.71%     |
| 2410      | 1.64  | 28.80%     |
| 2420      | 0.92  | 25.43%     |
| 2430      | 0.66  | 22.29%     |
| 2440      | -0.19 | 18.31%     |
| 2450      | 0.05  | 20.58%     |
| 2460      | 0.47  | 24.64%     |
| 2470      | 1.01  | 25.20%     |
| 2480      | -0.19 | 20.57%     |
| 2490      | -1.01 | 19.25%     |
| 2500      | -1.46 | 17.195     |

## 2 Return loss:

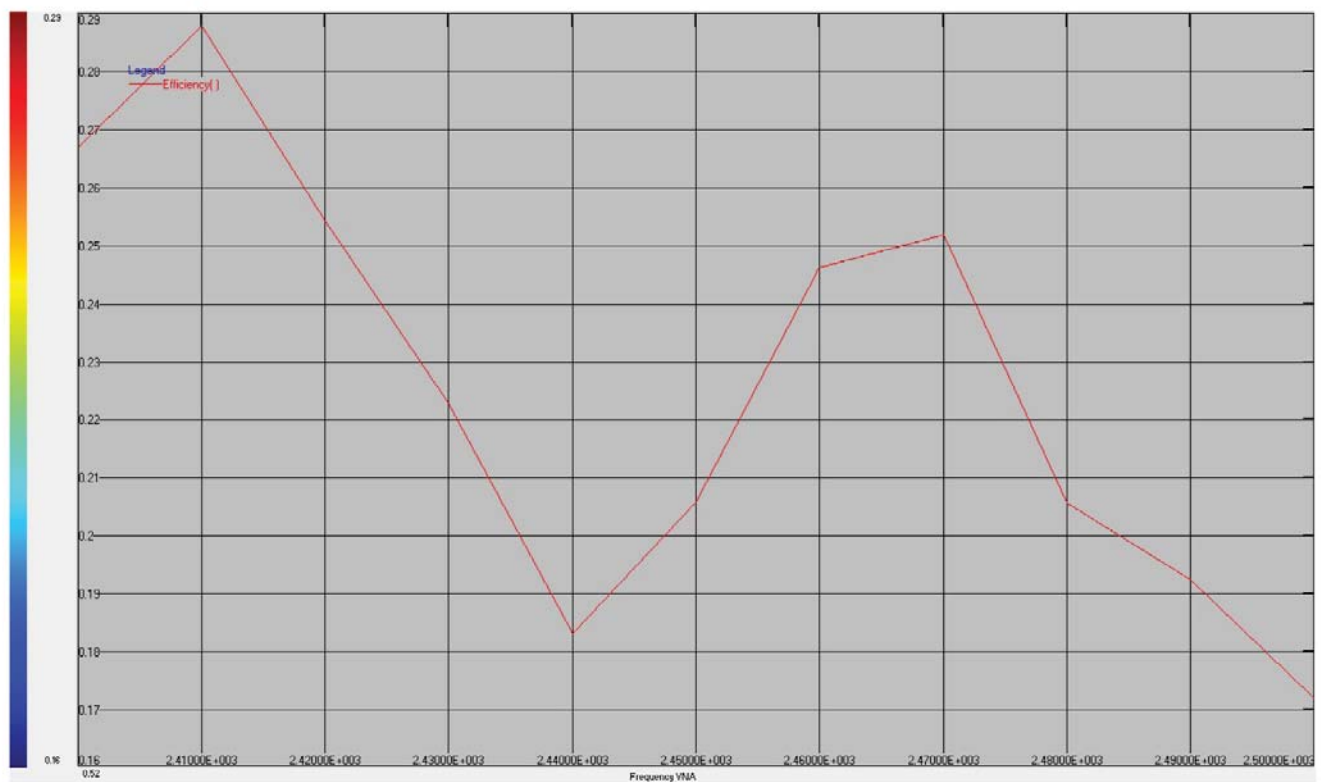
| Frequency | Voltage standing wave ratio |
|-----------|-----------------------------|
| 2400MHz   | -7.23                       |
| 2450MHz   | -5.67                       |
| 2500MHz   | -4.22                       |

### 3 Antenna test radiation pattern:

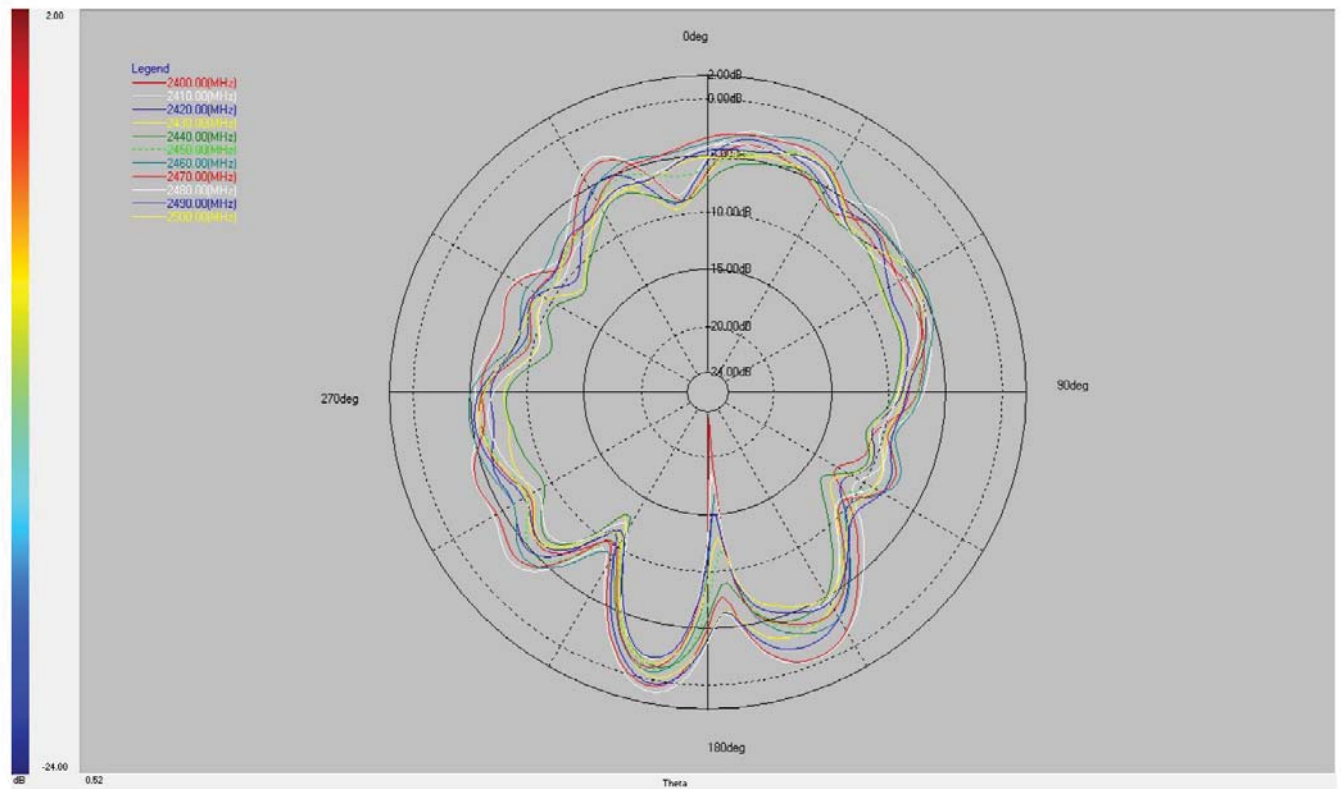
#### a) Gain



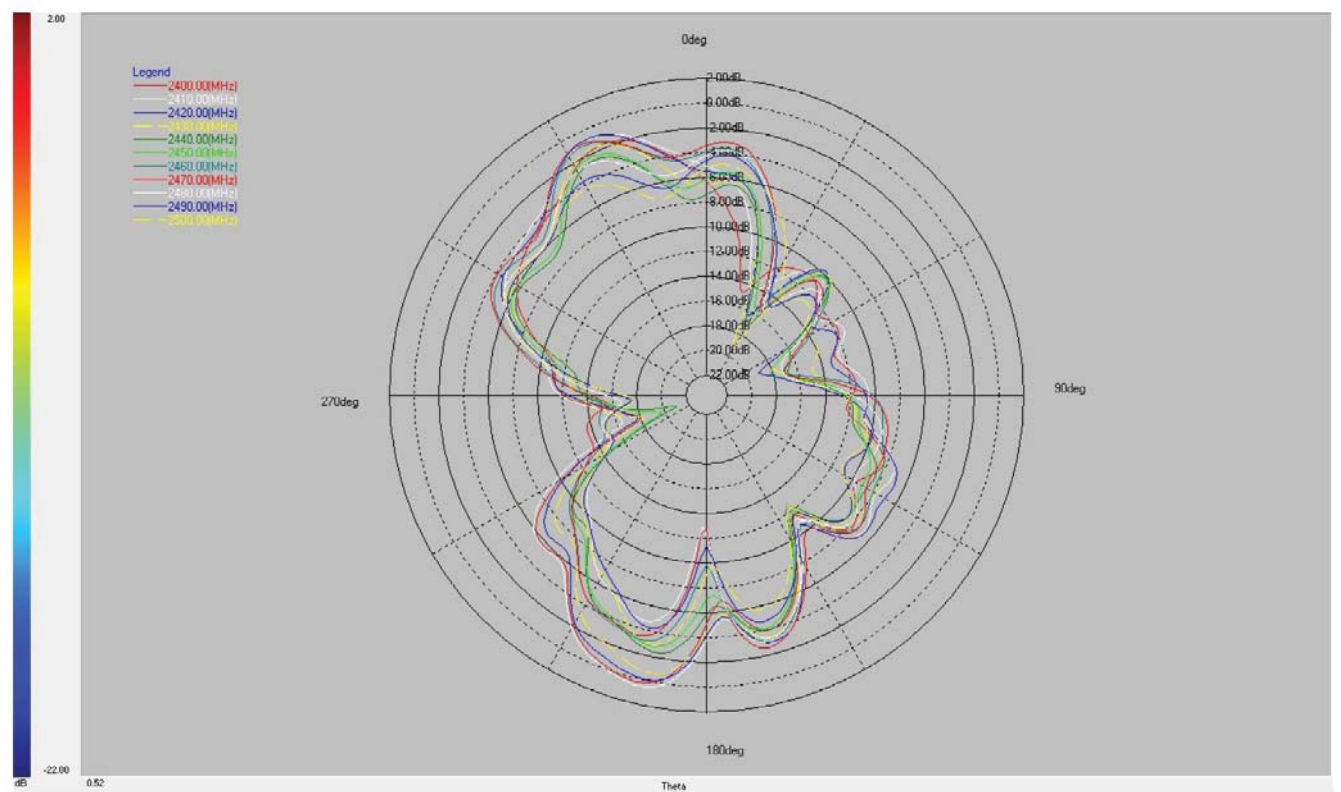
#### b) Efficiency



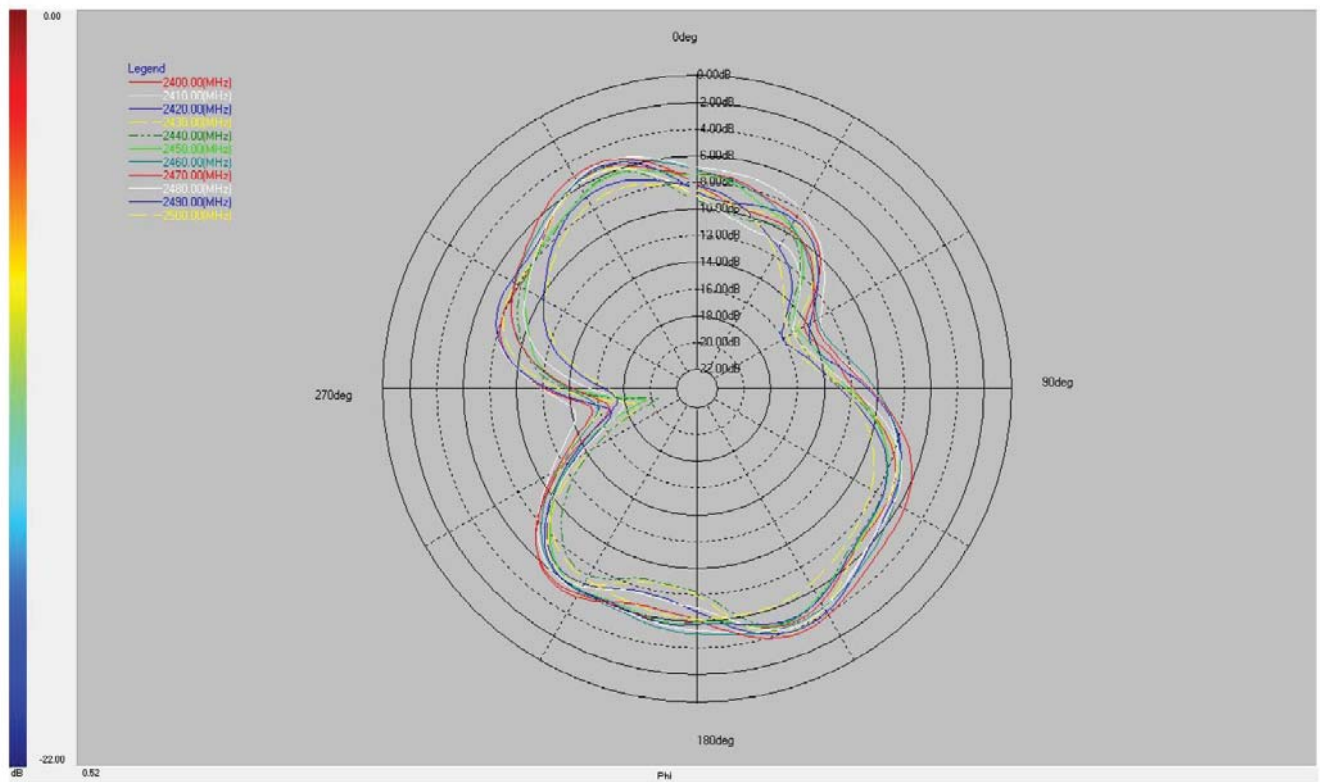
c)  $\Phi=0$  度



d)  $\Phi=90$  度



e) Theta=90 度



#### 4 Antenna size diagram

