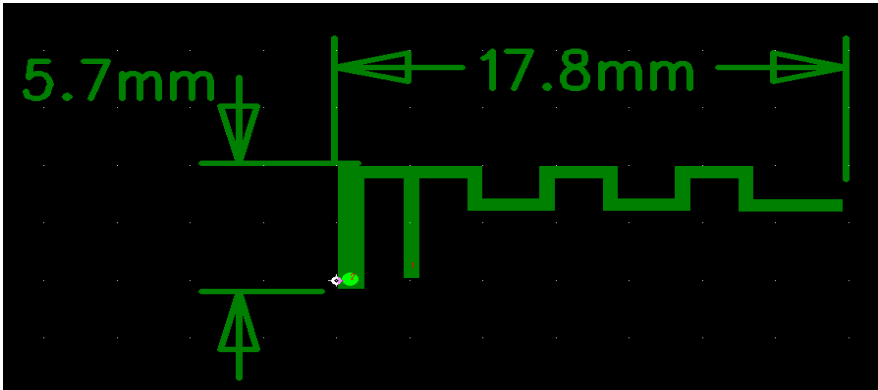


# Antenna specification

## Summary

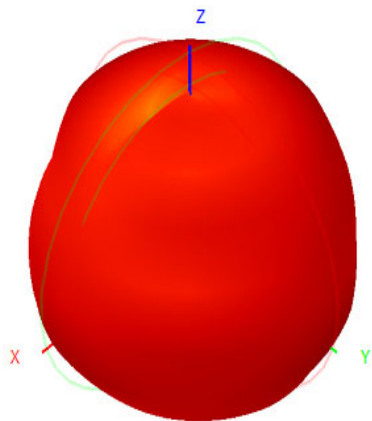
|                      |                                                  |         |         |          |         |         |
|----------------------|--------------------------------------------------|---------|---------|----------|---------|---------|
| ITEM                 | ANT SPEC                                         |         |         |          |         |         |
| Model Name           | 2.4G PCB ANT                                     |         |         |          |         |         |
| Center Frequency     | Horizontal                                       |         |         | Vertical |         |         |
|                      | 2400MHz                                          | 2450MHz | 2500MHz | 2400MHz  | 2450MHz | 2500MHz |
|                      | -4.59                                            | -5.33   | -6.63   | -3.99    | -4.95   | -5.17   |
| MAX. Gain            | -3.99dBi                                         |         |         |          |         |         |
| Polarization         | Horizontal and Vertical                          |         |         |          |         |         |
| Azimuth Beam Pattern | Omni-directional                                 |         |         |          |         |         |
| Impedance            | 50 Ohm                                           |         |         |          |         |         |
| Manufacture          | Dongguan Yu'aoran Electronic Technology Co., Ltd |         |         |          |         |         |

## PCB Antenna part Photo & Length (mm)

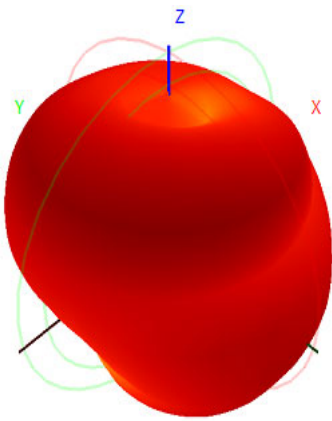


| Frequency | Efficiency (dBi)效率/分贝 | Efficiency (%)效率 | Gain (dBi) |
|-----------|-----------------------|------------------|------------|
| 2400      | -7.45                 | 17.98            | -3.99      |
| 2410      | -7.57                 | 18.32            | -4.01      |
| 2420      | -7.76                 | 16.75            | -4.41      |
| 2430      | -7.89                 | 16.27            | -4.60      |
| 2440      | -8.04                 | 15.70            | -4.81      |
| 2450      | -8.11                 | 15.47            | -4.95      |
| 2460      | -8.35                 | 14.62            | -5.06      |
| 2470      | -8.52                 | 14.06            | -5.16      |
| 2480      | -8.71                 | 13.44            | -5.18      |
| 2500      | -8.89                 | 12.90            | -5.17      |

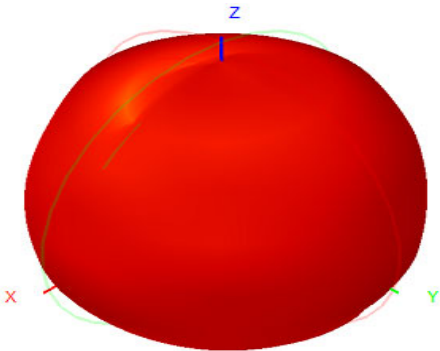
2400.0MHz H+V, Eff: 18.0%



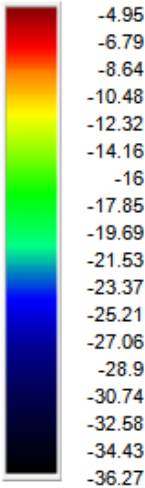
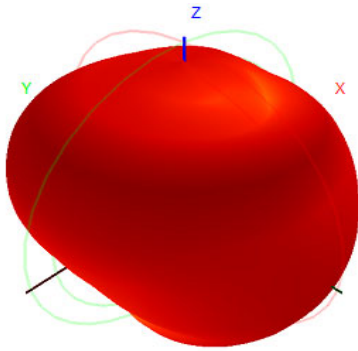
Back View



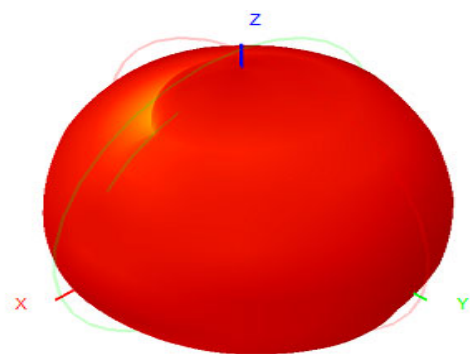
2450.0MHz H+V, Eff: 15.5%



Back View



2500.0MHz H+V, Eff: 12.9%



Back View

