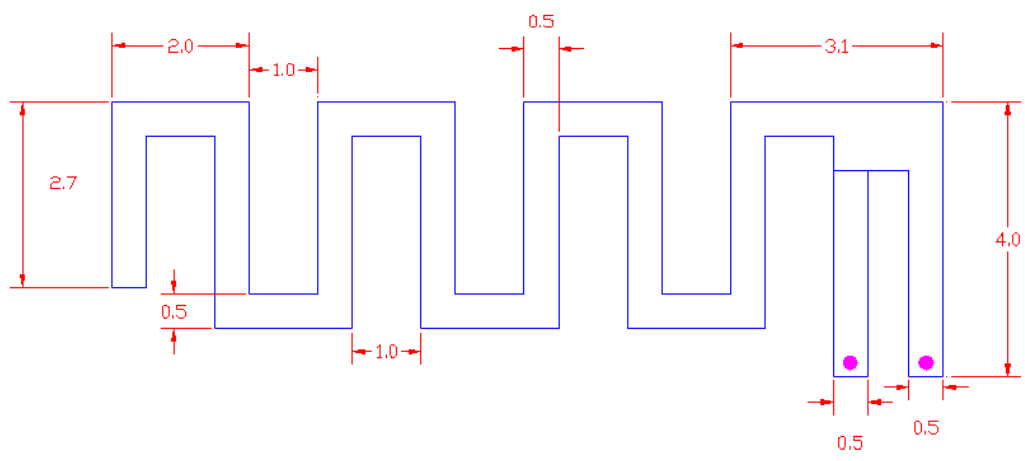


Antenna specification

|                      |                                                                                                  |
|----------------------|--------------------------------------------------------------------------------------------------|
| ITEM                 | ANT SPEC                                                                                         |
| Model Name           | 2.4G ANT                                                                                         |
| MAX. Gain            | -0.57dBi                                                                                         |
| Antenna Type         | PCB                                                                                              |
| Polarization         | Horizontal and Vertical                                                                          |
| Azimuth Beam Pattern | Omni-directional                                                                                 |
| Impedance            | 50 Ohm                                                                                           |
| Manufacture          | Shenzhen ChuangYiTong Technology Co.,Ltd                                                         |
| Address              | 3rd Floor, Building E, King'ao Park, Dasan Village,Fucheng Street,<br>Longhua District, Shenzhen |



Unit:mm

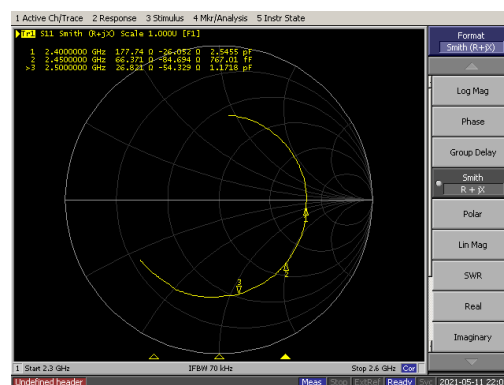
Mode:ANT-2. 4G/CY

## Gain and Efficiency

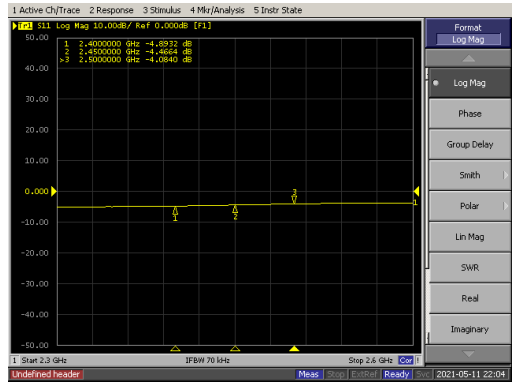
| Frequency | E Total. dB(dBi) | Efficiency( ) |
|-----------|------------------|---------------|
| 2400MHz   | -0.57            | 22%           |
| 2410MHz   | -1.06            | 20%           |
| 2420MHz   | -1.08            | 20%           |
| 2430MHz   | -0.94            | 21%           |
| 2440MHz   | -1.15            | 21%           |
| 2450MHz   | -1.47            | 20%           |
| 2460MHz   | -1.48            | 20%           |
| 2470MHz   | -1.32            | 21%           |
| 2480MHz   | -1.40            | 21%           |
| 2490MHz   | -1.31            | 21%           |
| 2500MHz   | -1.28            | 22%           |

## VSWR

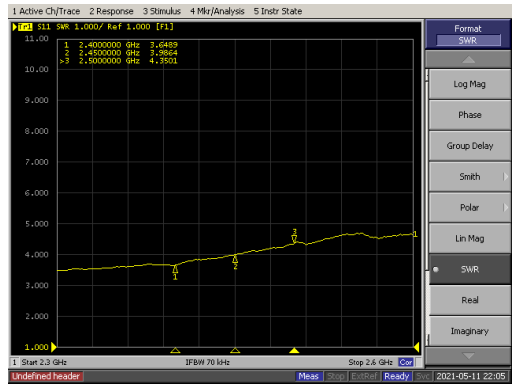
| Frequency | RL (dB) | SMITH ( $\Omega$ ) | SWR  |
|-----------|---------|--------------------|------|
| 2400MHz   | -4.89   | 177.74             | 3.65 |
| 2450MHz   | -4.35   | 66.37              | 3.99 |
| 2500MHz   | -4.08   | 26.82              | 4.35 |



SMITH

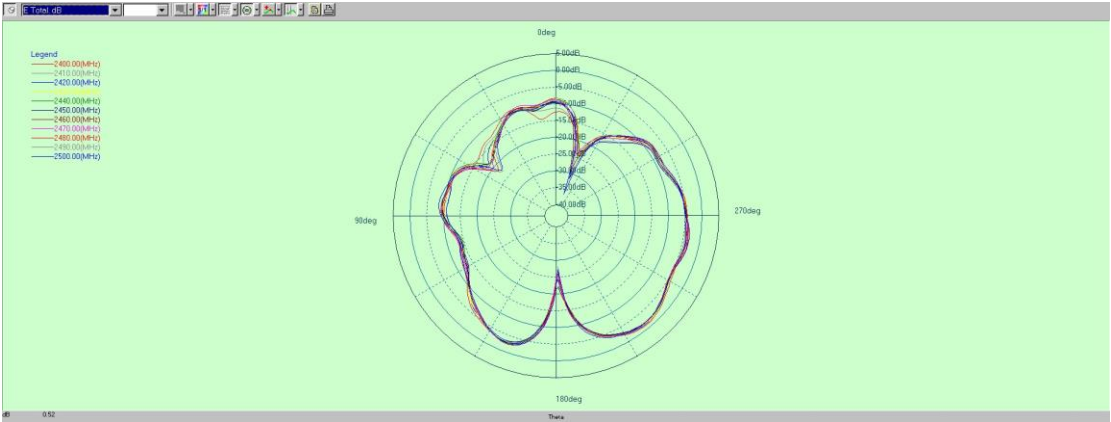


RL

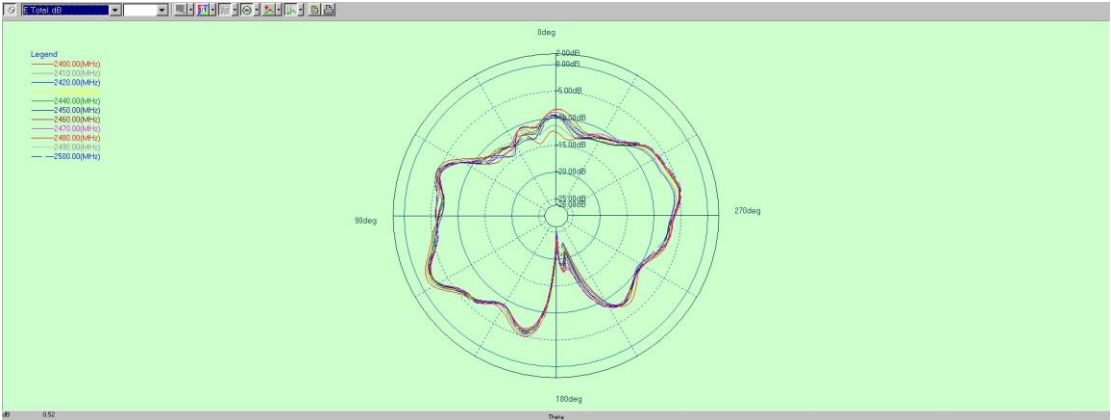


SWR

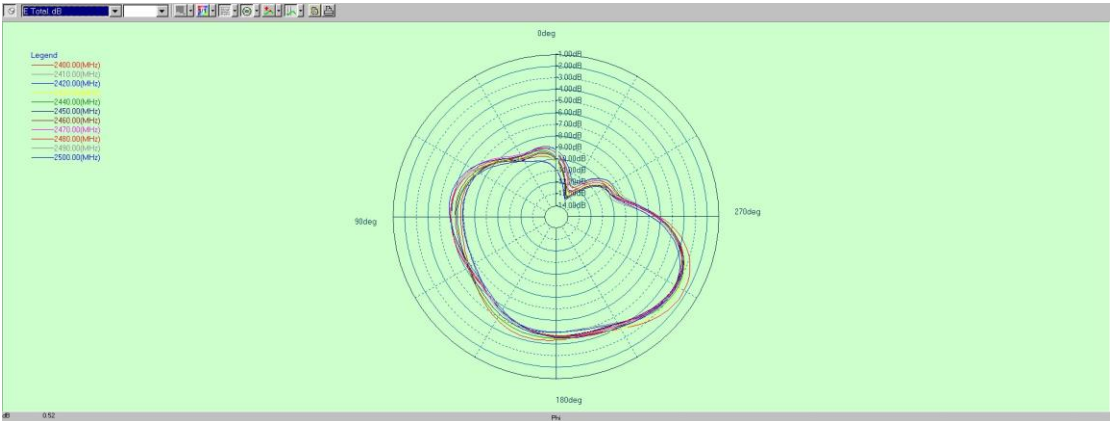
Radiation Pattern



$\Phi=0$



$\Phi=90$



$\Theta=90$