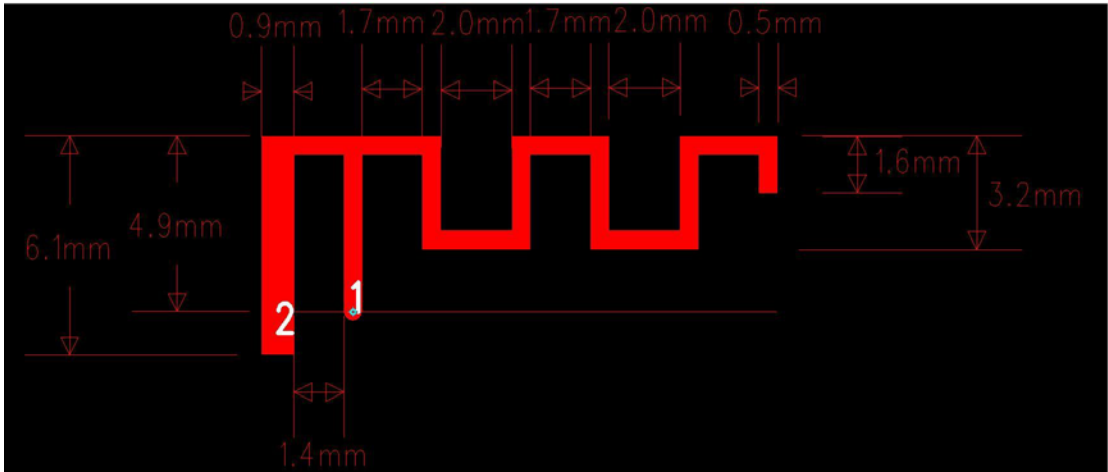


2.4G-2.48G 频段板载 PIFA 天线测试报告

2.4G-2.48G Inverted F Antenna Specification

| SPECIFICATIONS     |                                                                      |
|--------------------|----------------------------------------------------------------------|
| Frequency (MHz)    | 2400-2480                                                            |
| Peak Gain (dBi)    | 2.92                                                                 |
| Average Gain (dBi) | >-3                                                                  |
| VSWR               | <1.6                                                                 |
| Impedance (Ω)      | 50Ω                                                                  |
| Antenna Type       | Plannar Inverted F Antenna on board                                  |
| Polarization       | Linear                                                               |
| Manufacture        | ZHUHAI JIELI TECHNOLOGY CO.,LTD                                      |
| Address:           | No.333 Kexing Road, Nanping Science Park, Xiangzhou District, Zhuhai |
| Test equipment     | HWA-TECH                                                             |

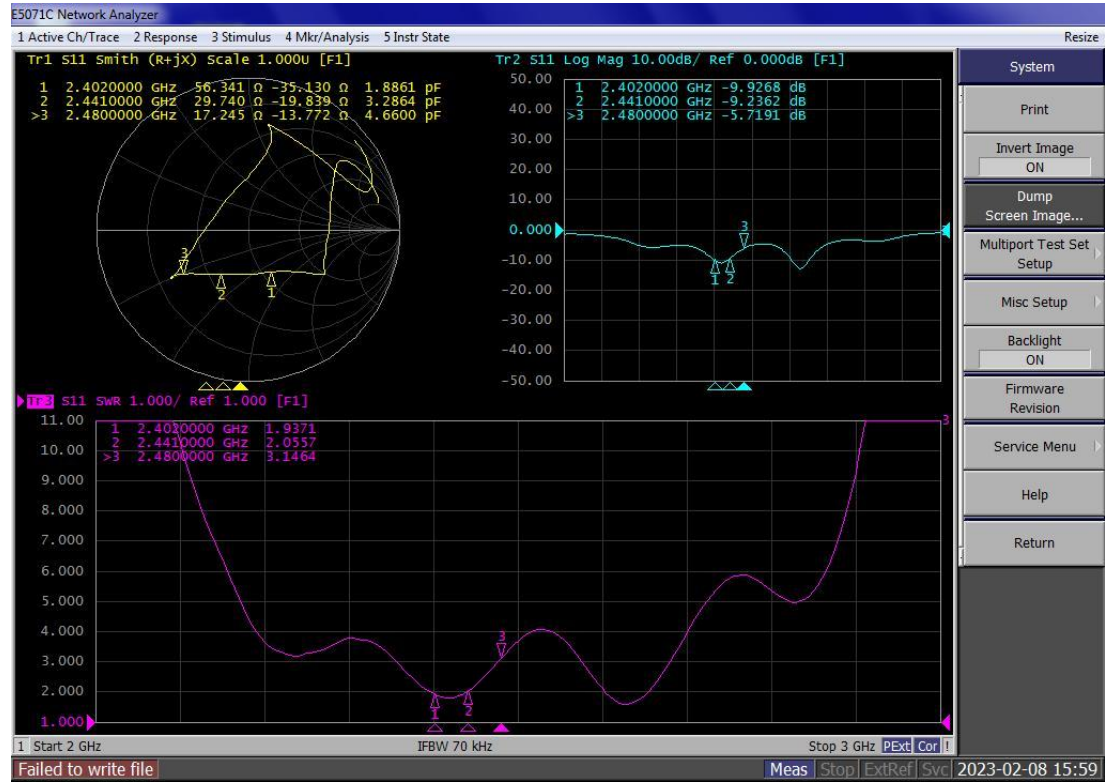
Antenna Photo & Length (mm)



天线无源 S 参数:

Antenna passive S-parameters:

驻波比 (VSWR)、回波损耗 (Return Loss) 及史密斯圆图 (Smith)

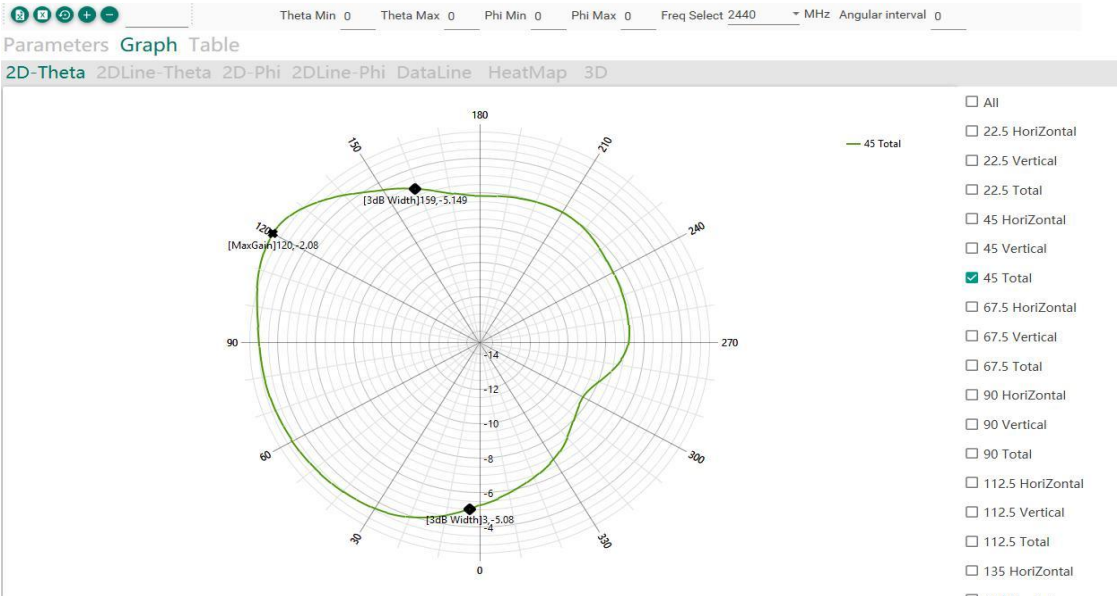


天线效率及增益:

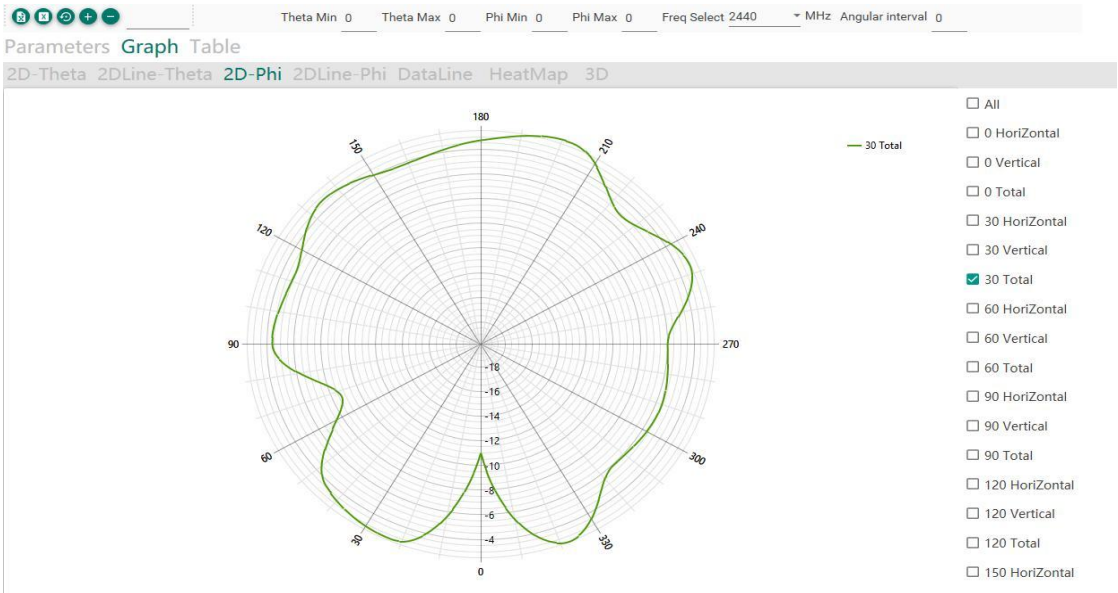
Antenna efficiency and gain:

| Frequency (MHz) | Gain (dBi) | Effciency (%) | AverageGain (dBi) | Efficiency (dB) |
|-----------------|------------|---------------|-------------------|-----------------|
| 2400            | 2.92       | 72.20%        | -1.14             | -1.41           |
| 2410            | 1.95       | 61.36%        | -2.05             | -2.12           |
| 2420            | 2.00       | 61.00%        | -1.98             | -2.15           |
| 2430            | 0.80       | 47.29%        | -3.09             | -3.25           |
| 2440            | 0.12       | 40.82%        | -3.87             | -3.89           |
| 2450            | 0.97       | 48.41%        | -3.08             | -3.15           |
| 2460            | 1.28       | 53.80%        | -2.81             | -2.69           |
| 2470            | 1.29       | 51.75%        | -2.98             | -2.86           |
| 2480            | 1.79       | 58.79%        | -2.45             | -2.31           |
| Average         | 1.46       | 55.05%        | -2.61             | -2.65           |
| Peak            | 2.92       | 72.20%        | -1.14             | -1.41           |

天线 2440MHz 2D-Theta Pattern



天线 2440MHz 2D-Phi Pattern



天线 2440MHz 3D-Total Pattern

