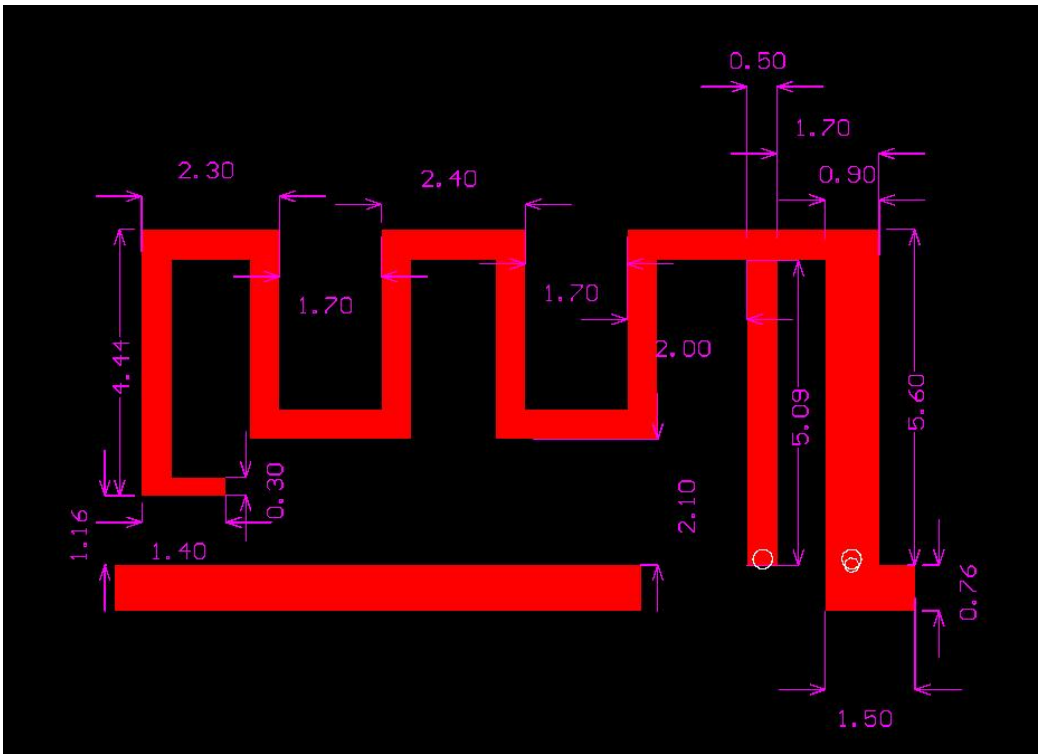


2.4G-2.48G 频段板载 ANT-F-1-2.4G 天线测试报告

2.4G-2.48G ANT-F-1-2.4G Antenna Specification

| SPECIFICATIONS    |                                                                                                                                                                                                    |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Frequency (MHz)   | 2400-2480                                                                                                                                                                                          |
| Peak Gain (dBi)   | 2.338                                                                                                                                                                                              |
| Average Gain(dBi) | >-5.5                                                                                                                                                                                              |
| VSWR              | <3.2                                                                                                                                                                                               |
| Impedance (Ω)     | 50Ω                                                                                                                                                                                                |
| Antenna Type      | Plannar Inverted F Antenna on board                                                                                                                                                                |
| Polarization      | Linear                                                                                                                                                                                             |
| Manufacture       | Shenzhen Huihua Electronics Co., Ltd                                                                                                                                                               |
| Address:          | 1701-6, Building 4A, Huaqiang Creative Industry Park, Intersection of Sightseeing Road and Ketai Road, Blue Eye Community, Guangming Street, Guangming District, Shenzhen City, Guangdong Province |
| Test equipment    | Shenzhen Hongxin Technology Electronics Co., Ltd                                                                                                                                                   |



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)

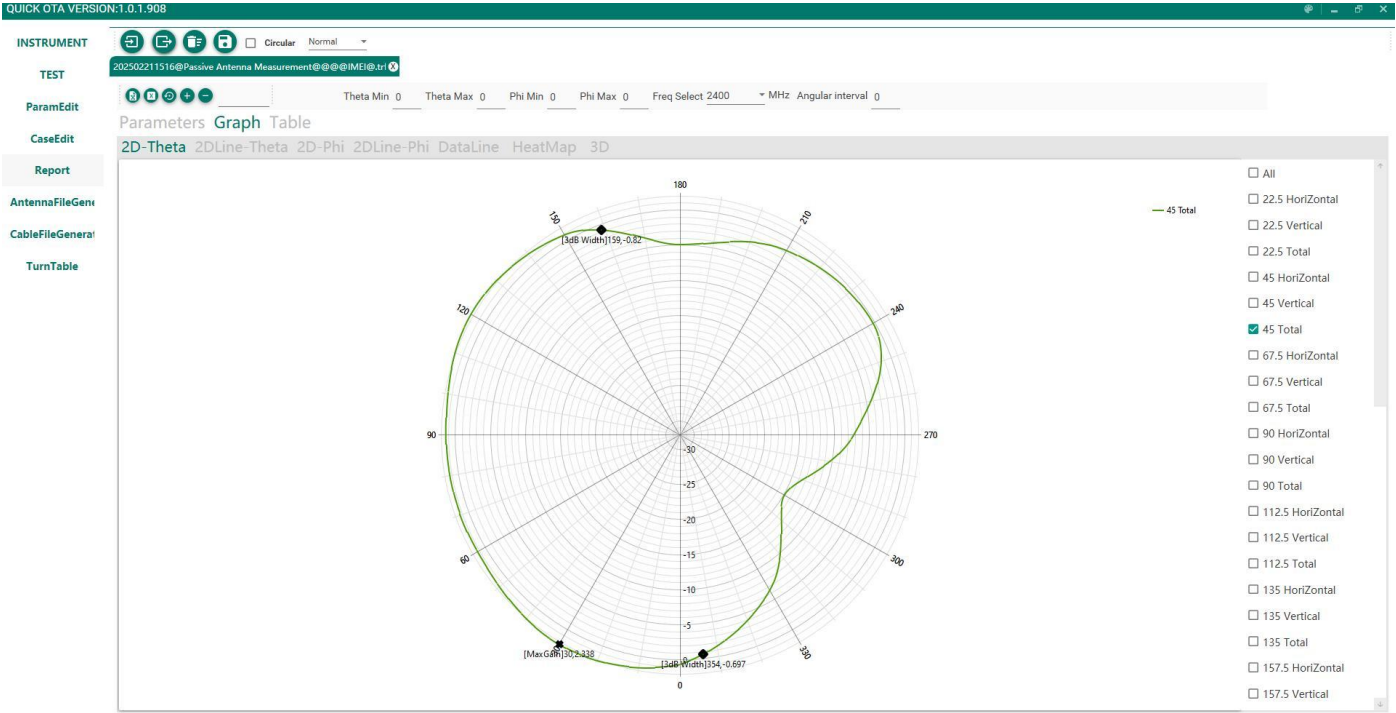


天线效率及增益:

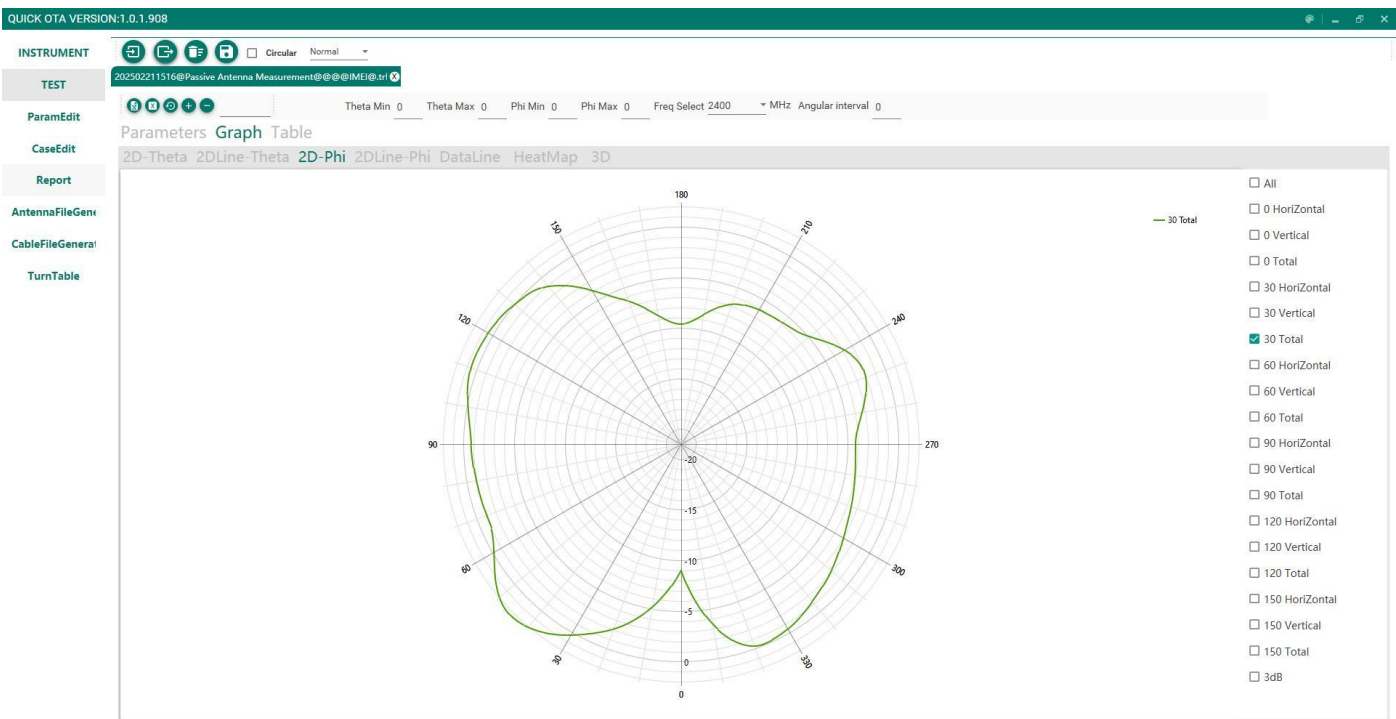
Antenna efficiency and gain:

| Frequency (MHz) | Gain (dBi) | Effciency (%) | AverageGain (dBi) | Efficiency (dB) |
|-----------------|------------|---------------|-------------------|-----------------|
| 2400            | 2.338      | 59.39%        | -2.915            | -2.263          |
| 2410            | 1.603      | 49.11%        | -3.883            | -3.088          |
| 2420            | 1.295      | 46.04%        | -4.014            | -3.369          |
| 2430            | 0.388      | 36.89%        | -4.91             | -4.331          |
| 2440            | 0.187      | 34.00%        | -5.276            | -4.685          |
| 2450            | 0.02       | 31.71%        | -5.431            | -4.988          |
| 2460            | 0.507      | 34.88%        | -5.02             | -4.575          |
| 2470            | 0.291      | 31.89%        | -5.323            | -4.963          |
| 2480            | 0.429      | 32.89%        | -5.195            | -4.83           |
| Average         | 0.78       | 39.64%        | -4.66             | -4.12           |
| Peak            | 2.338      | 59.39%        | -2.915            | -2.263          |

天线 2400MHz 2D-Theta Pattern



天线 2400MHz 2D-Phi Pattern



2400MHz 3D-Total Pattern

