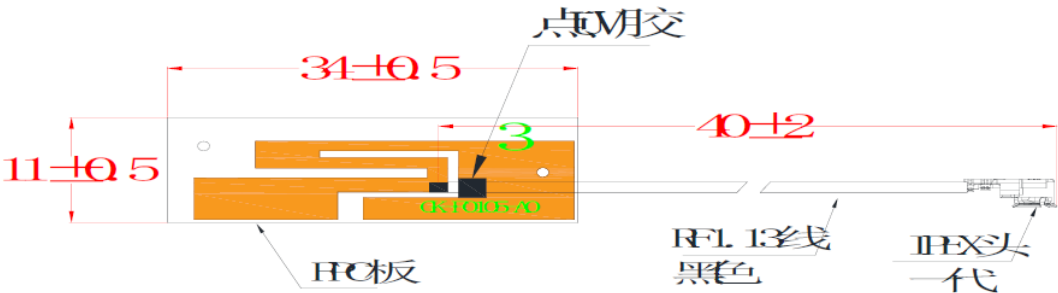


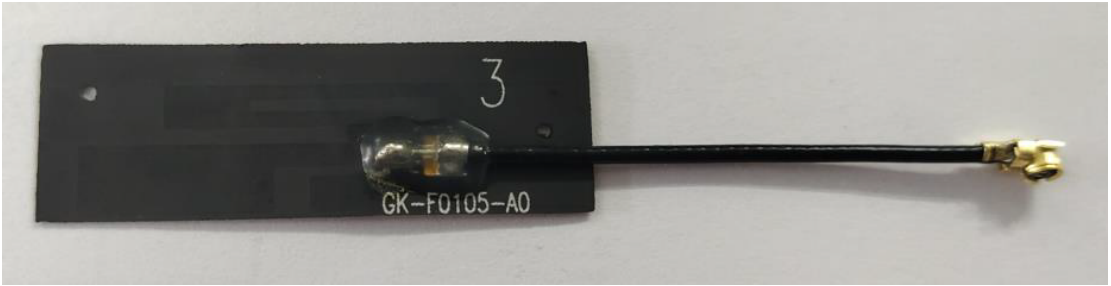
Specification For Approval

|                   |                                                                                                                                                        |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Client:           | Shining 3D Tech Co., Ltd.<br>No. 1398, Xiangbin Road, Wenyan, Xiaoshan, Hangzhou, Zhejiang, P.R. China                                                 |
| Supplier          | Gaoke Ant Co., Ltd.<br>3rd Floor, Building c, Longdong First Industrial Zone, No. 163, Yinglong Road, Tianhe District, Guangzhou City, Guangdong China |
| Customer P/N      | ECO008714                                                                                                                                              |
| Production Name   | 2.4&5.8G Internal antenna                                                                                                                              |
| Production Number | GKZS-5.8G-F0105-RF1.13I-40                                                                                                                             |

Construction design



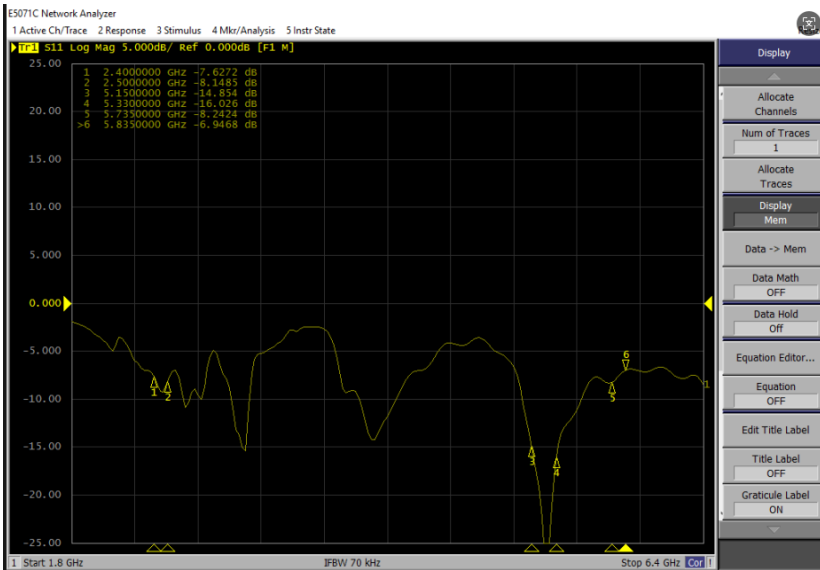
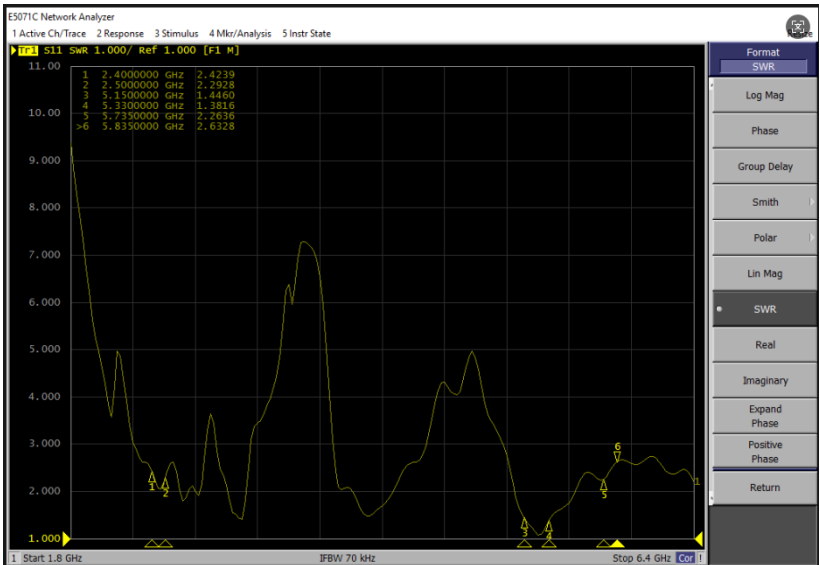
Photos



Technical parameters

| Design Specifications | Typical                                             |
|-----------------------|-----------------------------------------------------|
| Antenna Type          | internal antenna (FPC)                              |
| working Frequency     | 2400-2500MHz、5150-5850MHz                           |
| Gain                  | 0.1dBi Max@2400-2500MHz<br>3.84dBi Max@5150-5850MHz |
| Antenna efficiency    | ≥ 20%@2400-2500MHz<br>≥ 30%@5150-5850MHz            |
| VSWR                  | ≤2.5                                                |
| Polarization          | H/V                                                 |
| Radiation pattern     | Omni                                                |
| impedance             | 50Ω                                                 |
| Power handling        | 33dBm                                               |
| Interface             | IPEX / RF1.13 cable 40mm                            |
| Overall dimensions    | 34x11mm                                             |
| Weight                | 0.4g                                                |
| Operating Temp        | -40℃~85℃                                            |

Standing wave ratio & return loss diagram



# Radiation pattern (3D&2D)

