

# TDE台德 部品承认书

## PART FOR APPROVAL

文件编号 File number:

Ver: 1.0

No:

原厂名称 (品牌名称) Vendor Name: HONANT

原厂型号 Vendor Part P/N: TD-WBT1045-02

原厂规格描述 Part Description:

ANT2 内置 FPC 天线/1.13 黑色线 L=60mm+国产一代 IPEX (端子朝背)

供应商确认签章 Supplier confirms signature: Shenzhen Yuhong Industrial Co., LTD

台德适用机型 Model: A11

台德 ERP 料号 Part No: E110003002

台德部品名称 Part Name: 天线

台德规格描述 Part Description:

A11 WIFI 天线,尺寸 10.83\*32.80mm,1.13Cable 线长是 60mm,一代端子,ROHS2.0+REACH

物料购置方式 Way of purchasing materials: ☒ 自购物料 Self-shopping material ☐ 客供物料  
Customer supply

备注 Remarks: \_\_\_\_\_

承认签章 Acknowledgement seal:

承认日期 Date of recognition:

| RD/研发中心 | QA/品质中心 | APPROVED/批准 |
|---------|---------|-------------|
|         |         |             |

注: 出承认书需要规格书、样品、测试报告验证无误后方可签名。

Note: The acceptance letter requires the specification, sample and test report to be verified before signing.

发放部门 Issuing department: ☒ 研发 RD

☐ 采购 purchase

☐ 品质 IQC

# 规格书

## Specification Manual

客户名称

CUSTOMER NAME: Jiangxi Taide Intelligent Technology Co., Ltd.

客户料号

CUSTOMER P/N: E110003002

产品料号

PRODUCT P/N: TD-WBT1045-02

产品名称

PRODUCT NAME: WBT1045 ANT\_2

规格描述: ANT2 built-in FPC antenna / 1.13 black cable,  
L=60mm + domestic first-generation IPEX

Description: (terminal facing backward)

版本

REV: A A0

|      |                   |                  |             |
|------|-------------------|------------------|-------------|
| 出厂签章 |                   |                  |             |
| SIGN | 核准<br>APPROVED BY | 审核<br>CHECKED BY | 制作<br>DRAMN |
|      |                   |                  |             |

|      |          |           |          |
|------|----------|-----------|----------|
| 客户签章 |          |           |          |
| SIGN | 品质<br>QE | 开发<br>R&D | 工程<br>PE |
|      |          |           |          |

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- 六、整机示意图 (Schematic diagram of the entire machine)

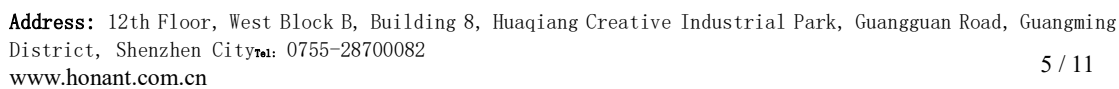
一、版本履历表（Revision History）：

| 版本号<br>Reversion | 修订页面<br>Revision<br>page | 变更日期<br>Change<br>date | 修订人<br>Revised by | 修订原因及内容<br>Reason and content for<br>revision | 备注<br>Remarks |
|------------------|--------------------------|------------------------|-------------------|-----------------------------------------------|---------------|
| A0               | -                        | 2026.1.5               | xuan xuan ZHAO    | First Release                                 |               |
|                  |                          |                        |                   |                                               |               |
|                  |                          |                        |                   |                                               |               |
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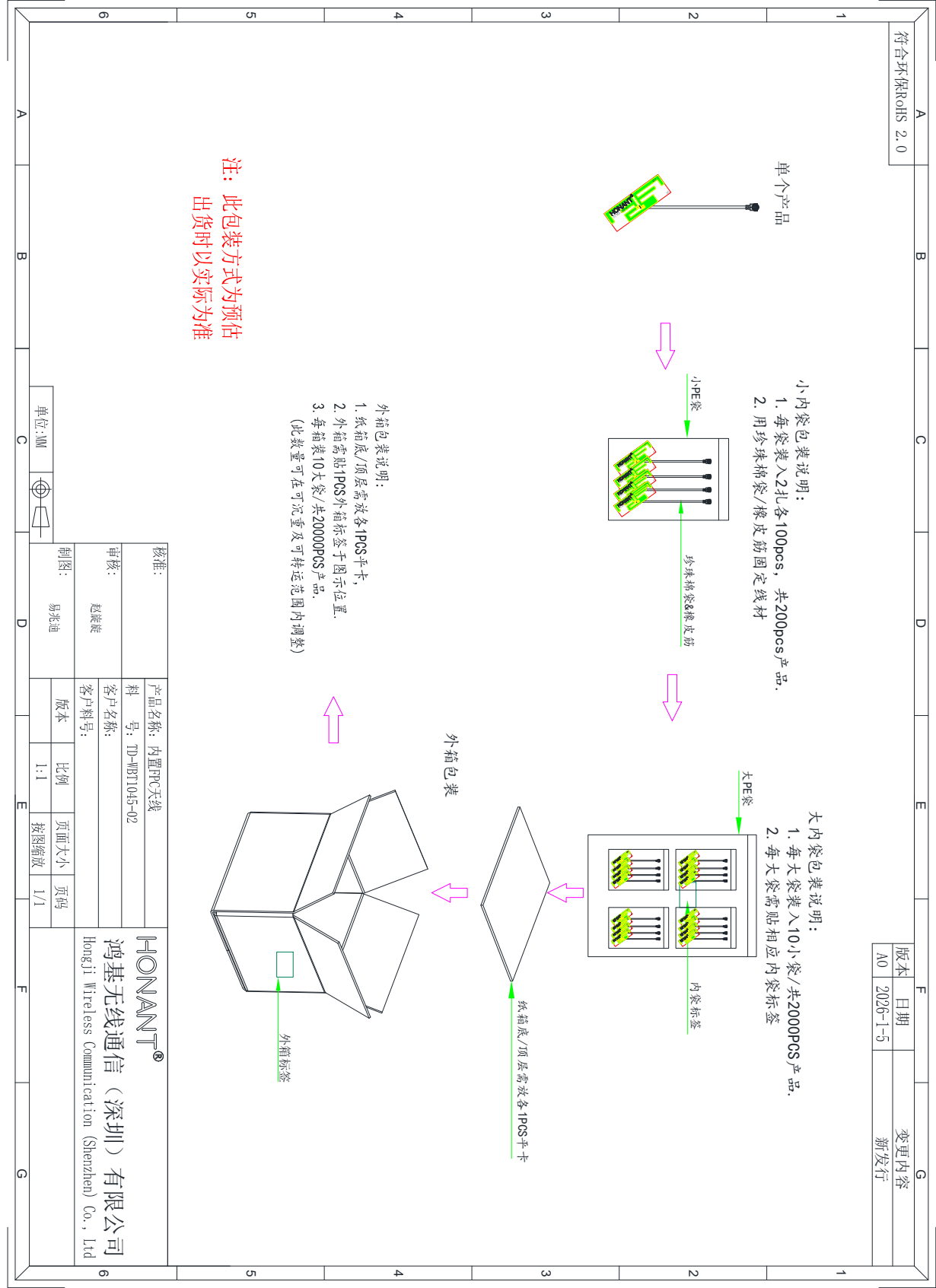
二、规格表（Specification Table）：

产品主要技术参数  
（Product main technical parameters）

| 主要技术指标        |                         | Main technical specifications |                         |
|---------------|-------------------------|-------------------------------|-------------------------|
| 频率范围<br>(MHZ) | 2400-2500/<br>5150-5850 | Frequency Range<br>(MHZ)      | 2400-2500/<br>5150-5850 |
| 特性阻抗(Ω)       | 50                      | Impedance(Ω)                  | 50                      |
| 增益(dBi)       | 3.5±1                   | Gain(dBi)                     | 3.5±1                   |
| 输出电压<br>驻波比   | ≤2                      | VSWR                          | ≤2                      |
| 极化方式          | 线极化                     | Polarization                  | Linear                  |
| 方向性           | 全向性                     | Radiation                     | Omni-directional        |
| 连接方式          | Cable+IPEX              | Connector Type                | Cable+IPEX              |
| 物理性能          |                         | Physical Properties           |                         |
| 天线材料          | FPC                     | Antenna cover                 | FPC                     |
| 工作温度          | -20℃~+70℃               | Operating Temp                | -20℃~+70℃               |
| 保存温度          | -20℃~+60℃               | Storage Temp                  | -20℃~+60℃               |

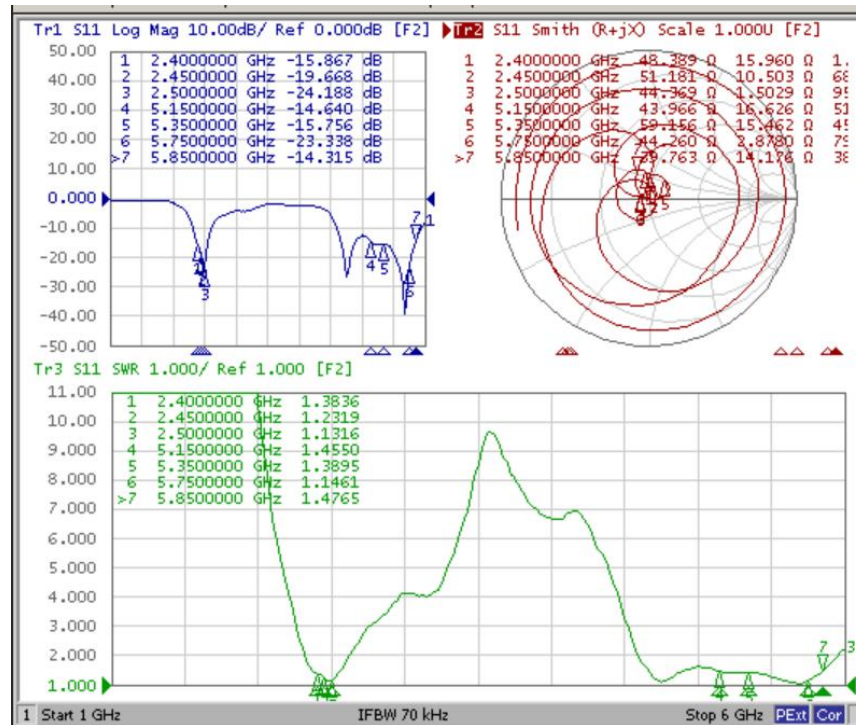


四、包装规范（Packaging specifications）：

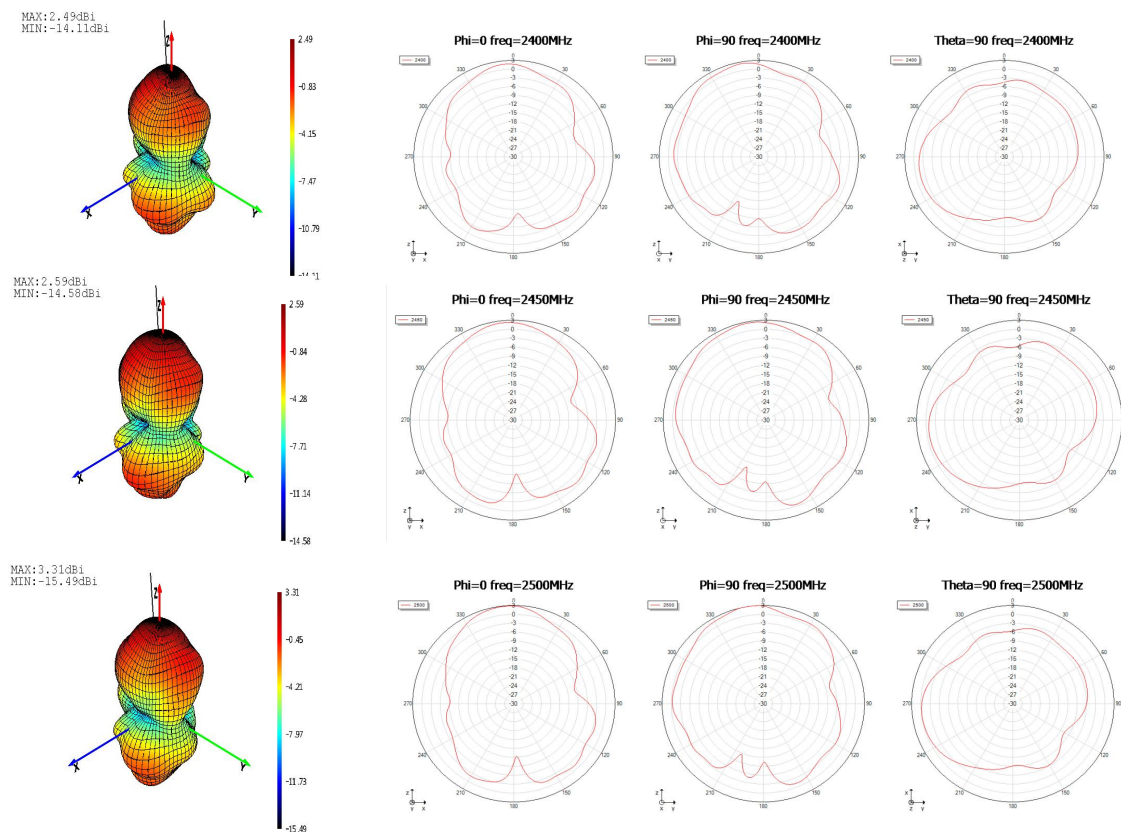


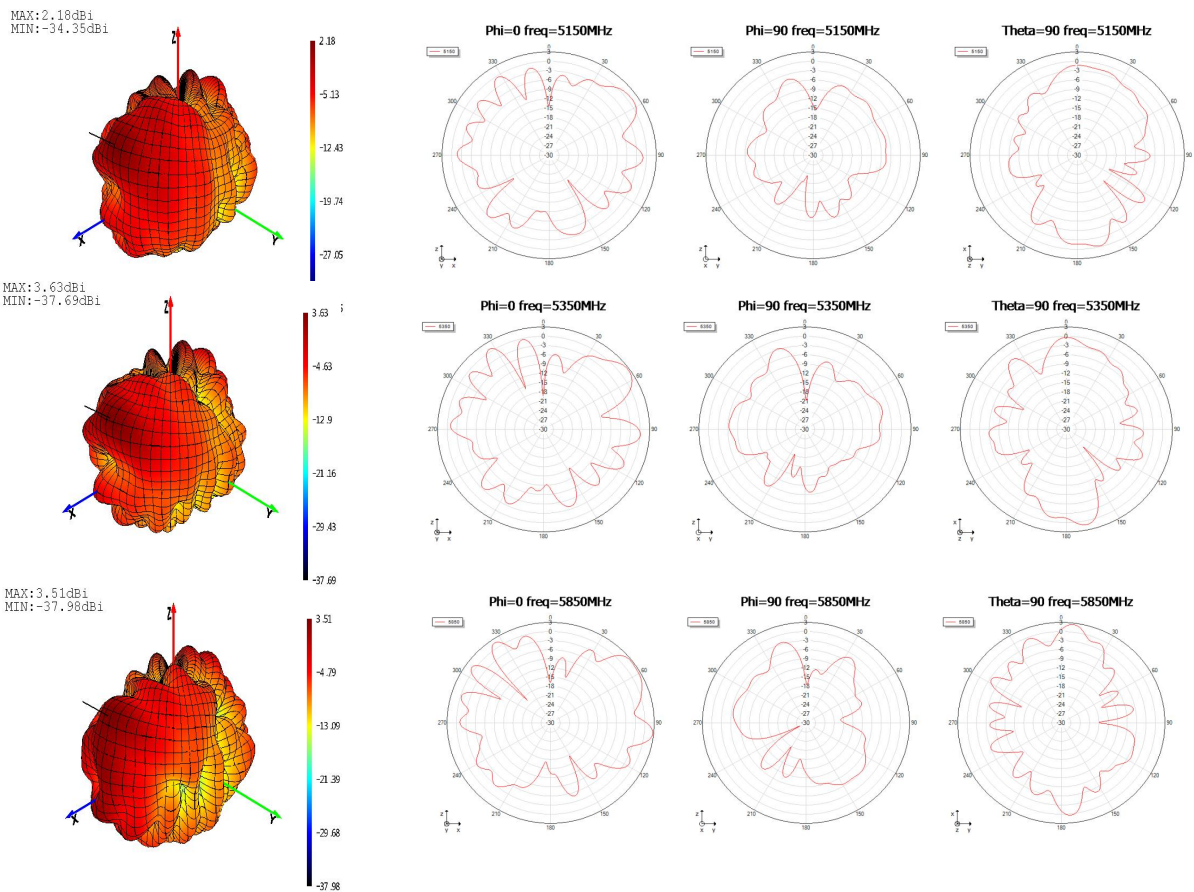
## 五、测试报告 (Test report) :

### 5.1: 网络分析仪测试报告(Network Analyzer Test Report)



### 5.2: 暗室 2D、3D ( Raditation Pattern)





5.3: 天线增益与效率(Antenna Gain and Efficiency)

| ANT-2(2400-2500MHz) |         |        |        |
|---------------------|---------|--------|--------|
| 频点MHz               | 增益(dBi) | 效率(dB) | 效率 (%) |
| 2400                | 2.49    | -2.59  | 55.04  |
| 2410                | 2.79    | -2.39  | 57.69  |
| 2420                | 2.94    | -2.18  | 60.55  |
| 2430                | 2.70    | -2.29  | 58.98  |
| 2440                | 2.39    | -2.56  | 55.40  |
| 2450                | 2.59    | -2.46  | 56.73  |
| 2460                | 3.04    | -2.25  | 59.51  |
| 2470                | 3.05    | -2.42  | 57.25  |
| 2480                | 3.13    | -2.48  | 56.52  |
| 2490                | 3.36    | -2.30  | 58.89  |
| 2500                | 3.31    | -2.36  | 58.12  |
| 平均值                 | 2.89    | -2.39  | 57.70  |

| ANT-2(5150-5850MHz) |         |         |        |
|---------------------|---------|---------|--------|
| 频点MHz               | 增益(dBi) | 效率(dB ) | 效率 (%) |
| 5150                | 2.18    | -2.11   | 61.53  |
| 5200                | 2.68    | -1.99   | 63.18  |
| 5250                | 3.46    | -2.22   | 59.99  |
| 5300                | 2.96    | -2.40   | 57.56  |
| 5350                | 3.63    | -2.57   | 55.39  |
| 5400                | 3.40    | -2.37   | 57.88  |
| 5450                | 3.85    | -2.54   | 55.71  |
| 5500                | 3.26    | -2.22   | 59.96  |
| 5550                | 3.50    | -2.41   | 57.46  |
| 5600                | 2.47    | -2.92   | 51.04  |
| 5650                | 2.06    | -2.85   | 51.90  |
| 5700                | 2.20    | -2.81   | 52.31  |
| 5750                | 2.16    | -2.84   | 51.97  |
| 5800                | 2.77    | -2.85   | 51.83  |
| 5850                | 3.51    | -2.88   | 51.56  |
| 平均值                 | 2.94    | -2.53   | 55.95  |

## 六、整机示意图（Schematic diagram of the entire machine）

