

# 天线规格书

## Antenna specification

客 户 名 称

CUSTOMER NAME:

产 品 名 称

PRODUCT NAME: 2.4GWiFi- (4.4) Integral

客 户 料 号

CUSTOMER P/N:

电子料号

Electronic part number P/N: 11000085

REV: A

|              | MANUFACTURER<br>SIGNATURE | CUSTOMER<br>SIGNATURE |
|--------------|---------------------------|-----------------------|
| CHECKED BY:  |                           |                       |
| APPROVED BY: |                           |                       |
| DATE:        | 2021/4/30                 |                       |

Manufacturer: AOFENG (SHENZHEN) TECHNOLOGY CO., LTD.

Address: 2F13, Building 3, Area 30, No.2 Kefa Road, Yuehai Street, Nanshan District, Shenzhen City, Guangdong Province, China

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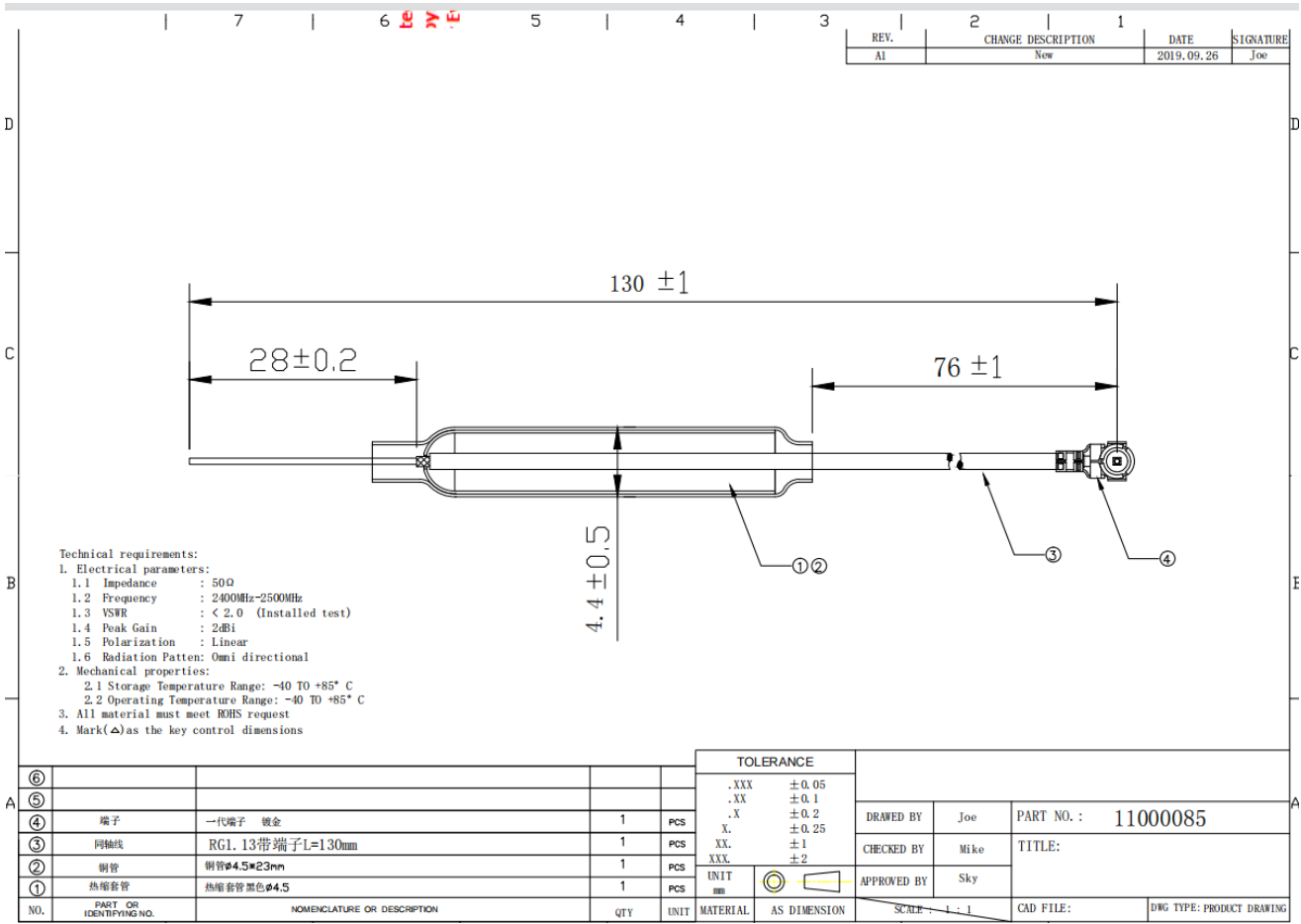
| <i>Item</i> | <i>Description</i>       |
|-------------|--------------------------|
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| 2成品图        | Finished product drawing |
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1. 规格表 Specification Sheet:

产品主要技术参数  
Product main technical parameters

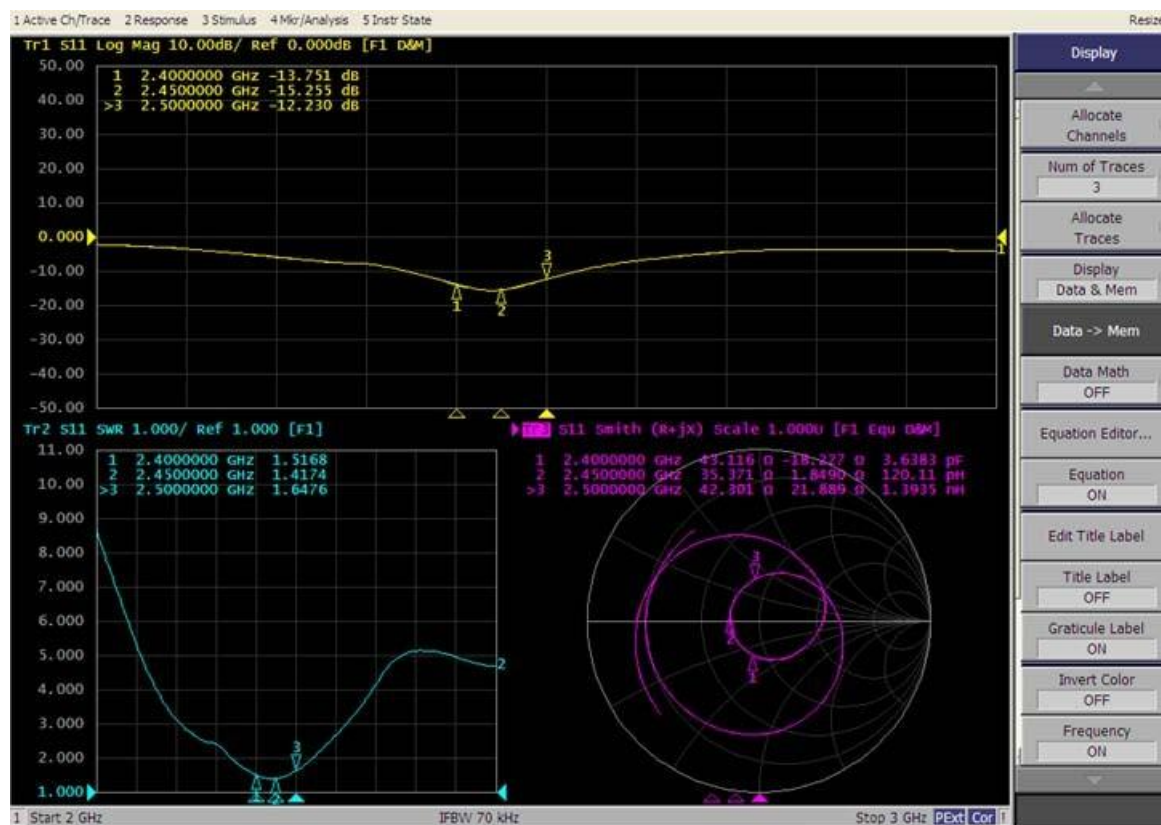
| 主要技术指标           |             | Main technical specifications |                  |
|------------------|-------------|-------------------------------|------------------|
| 频率范围<br>(MHZ)    | 2400~2500   | Frequency Range<br>(MHZ)      | 2400~2500        |
| 特性阻抗( $\Omega$ ) | 50          | Impedance( $\Omega$ )         | 50               |
| 增益(dBi)          | 2.31        | Gain(dBi)                     | 2.31             |
| 输出电压<br>驻波比      | $\leq 1.92$ | VSWR                          | $\leq 1.92$      |
| 最大功率             | 10W         | Admitted Power                | 10W              |
| 极化方式             | 垂直极化        | Polarization                  | Linear, Vertical |
| 连接方式             | 同轴线+IPEX    | Connector Type                | RF Cable+IPEX    |
| 物理性能             |             | Physical Properties           |                  |
| 天线本体材料           | 黄铜          | Antenna Base                  | 黄铜               |
| 工作温度             | -20℃~+65℃   | Operating Temp                | -20℃~+65℃        |
| 保存温度             | -30℃~+75℃   | Storage Temp                  | -30℃~+75℃        |

2. 成品图 Finished product drawing:



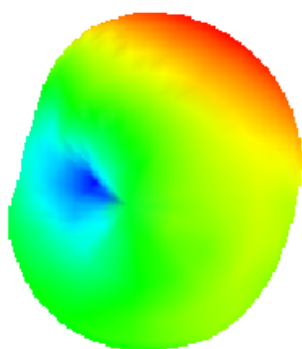
### 3. 测试报告 Test Report

#### 3.1: 网络分析仪测试报告 Network analyzer test report



#### 3.2: 暗室darkroom 2D、3DRaditation Pattern(整机数据Complete machine data)

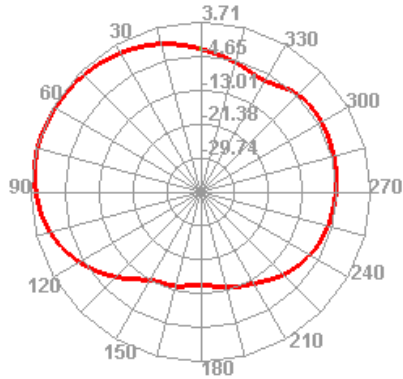
2400.000MHz



2.4GHz

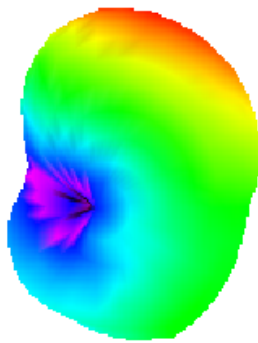
Gain: 2.12dBi

2400.000MHz H



Efficiency:53.12%

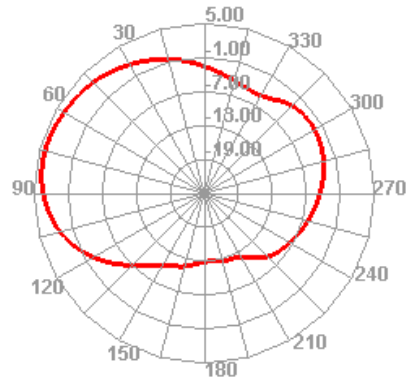
**2450.000MHz**



2.45GHz

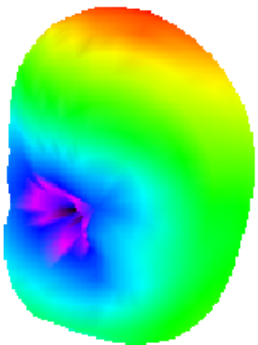
Gain: 2.31dBi

**2450.000MHz H**



Efficiency: 55.47%

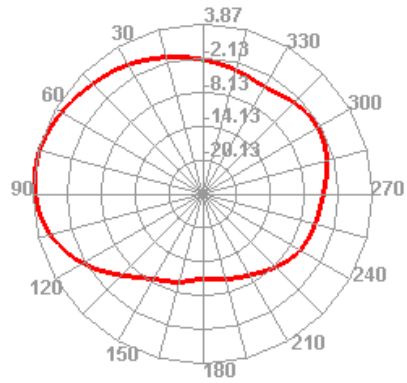
**2500.000MHz**



2.5GHz

Gain: 2.25dBi

**2500.000MHz H**



Efficiency: 54.15%