

# 承认书

## SPECIFICATION FOR APPROVAL

客户名称 CUSTOMER NAME:

产品名称 PRODUCT NAME: 2.4G天线

客户料号

CUSTOMER P/N:

料号

P/N: QY106-21C0002A REV:A

|              |                           |                    |
|--------------|---------------------------|--------------------|
|              | MANUFACTURER<br>SIGNATURE | CUSTOMER SIGNATURE |
| CHECKED BY:  |                           |                    |
| AUDITOR BY:  |                           |                    |
| APPROVED BY: |                           |                    |
| DATE:        |                           |                    |

Contents

Item Description

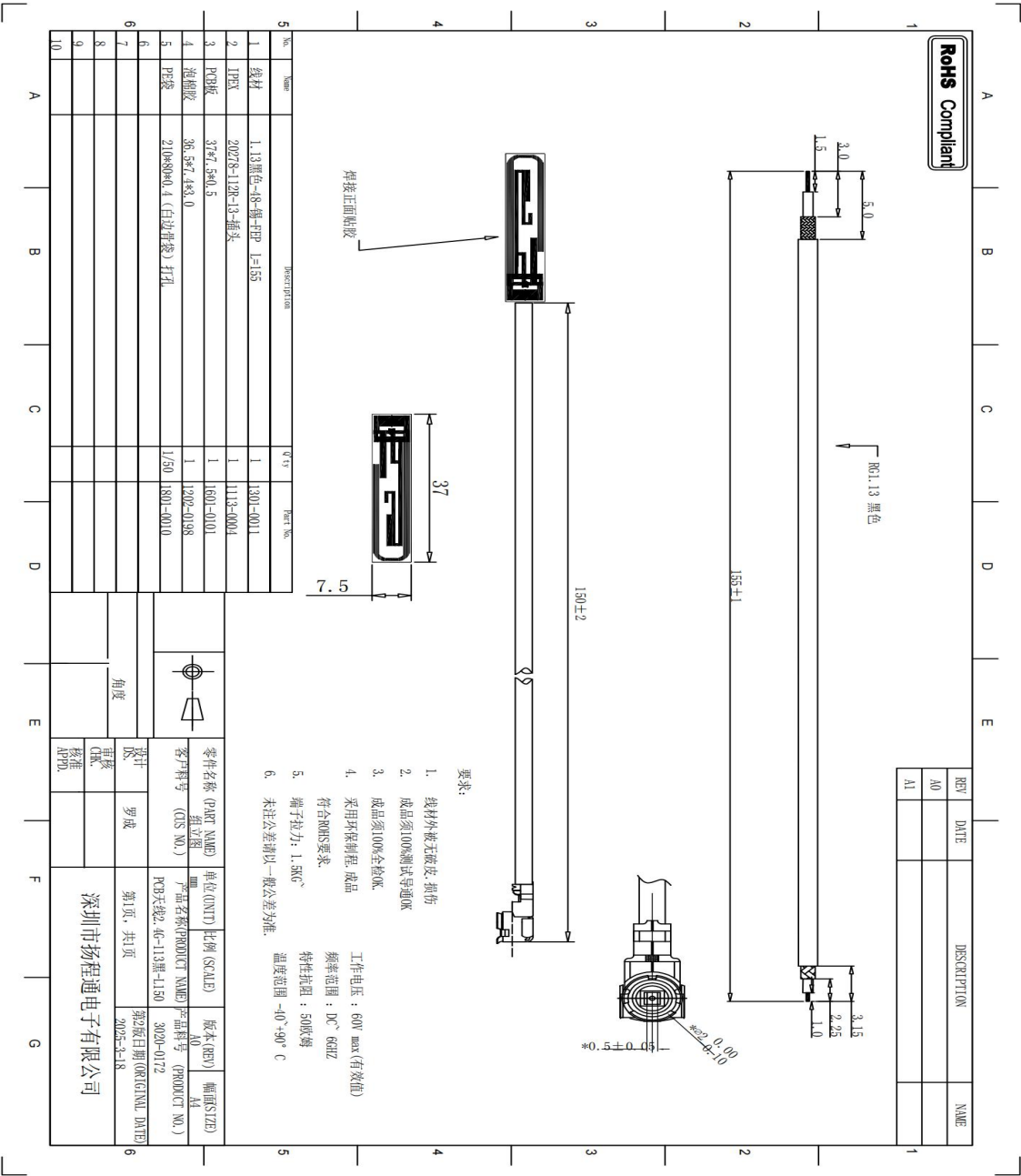
|                       |     |
|-----------------------|-----|
| 一、封面 (Title page)     | 1   |
| 二、索引 (Index)          | 2   |
| 三、规格表 (Specification) | 3   |
| 四、成品图 (Drawing)       | 4   |
| 五、测试报告 (Test Report)  | 5~7 |

Shenzhen Yangchengtong Electronics Co., Ltd

产品主要技术参数

| 主要技术指标    |            | Main technical specifications |                  |
|-----------|------------|-------------------------------|------------------|
| 频率范围（MHZ） | 2.4~2.5GHz | Frequency Range               | 2.4~2.5GHz       |
| 特性阻抗（Ω）   | 50         | Impedance(Ω)                  | 50               |
| 增益(dBi)   | 3Bi        | Peak Gain(dBi)                | 3dBi             |
| 输出电压驻波比   | ≦2.0       | VSWR                          | ≦2.0             |
| 最大功率      | 50W        | Admitted Power                | 50W              |
| 极化方式      | 垂直极化       | Polarization                  | Linear,Vertical  |
| 方向性       | 全向性        | Radiation                     | Omni-directional |
| 连接方式      | IPEX       | ConnectorType                 | IPEX             |
| 物理性能      |            | Physical Properties           |                  |
| 天线線材      |            | Antenna cable                 |                  |
| 工作温度      | -40℃~+60℃  | Operating Temp                | -40℃~+60℃        |
| 保存温度      | -40℃~+60℃  | Storage Temp                  | -40℃~+60℃        |

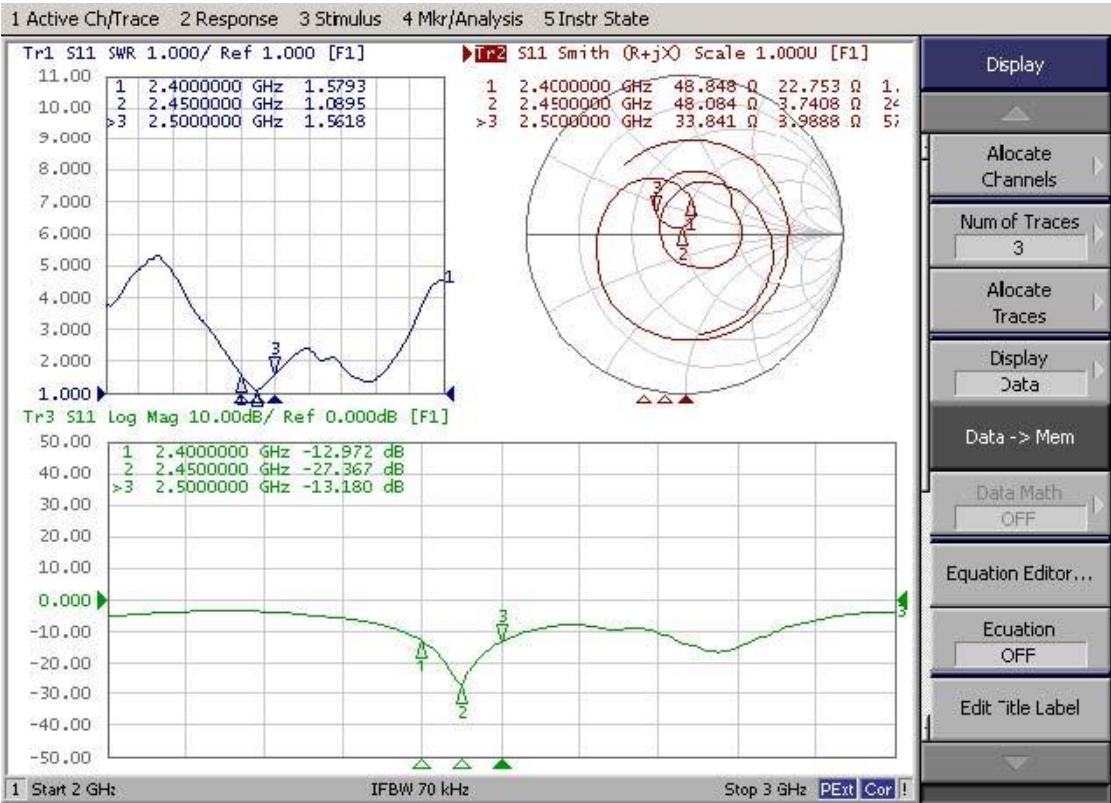
二、成品图(Drawing) :



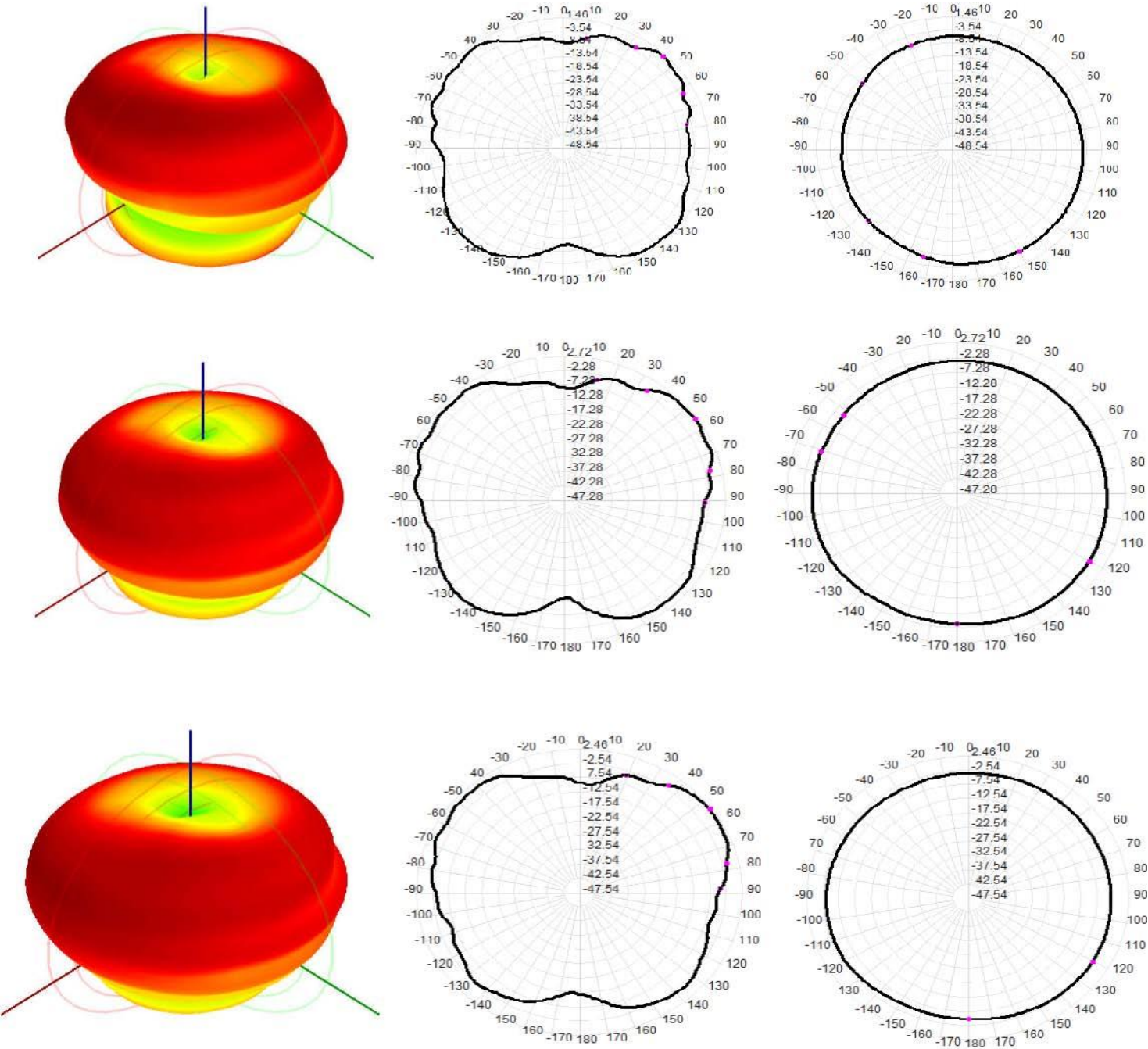
三、测试报告(Test Report)

3.1网络分析仪测试报告Network Analyzer Test Report

RF Antenna Assembly  
Spec: 2.4~2.5GHz



3.2方向图Directional pattern



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## 3.3增益效率数据Gain efficiency data

|                  |        |        |        |        |        |        |        |        |        |        |        |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Frequency (MHz)  | 2400.0 | 2410.0 | 2420.0 | 2430.0 | 2440.0 | 2450.0 | 2460.0 | 2470.0 | 2480.0 | 2490.0 | 2500.0 |
| Efficiency (dBi) | -2.71  | -2.67  | -2.74  | -2.58  | -2.15  | -2.04  | -1.63  | -1.44  | -1.58  | -1.76  | -1.81  |
| Gain (dBi)       | 1.59   | 1.72   | 1.90   | 2.25   | 2.81   | 3.14   | 3.38   | 3.23   | 2.77   | 2.65   | 2.66   |
| Efficiency (%)   | 53.61  | 54.11  | 53.17  | 55.15  | 60.99  | 62.48  | 68.66  | 71.71  | 69.49  | 66.61  | 65.85  |