



# 承 认 书

## APPROVAL SHEET

样品封订

|                      |                                    |
|----------------------|------------------------------------|
| 客户名称 Customer Name   | Shenzhen Cudy Technology Co., Ltd. |
| 产品型号 Product Model   | M3000                              |
| 客户料号 Customer P/N    |                                    |
| 规格描述 Specifications  | 2. 4G , 3. 8dBi                    |
| 天线型号Southstar P/N    | 3. N101. 1077                      |
| 制作日期 Production date | 2023. 05. 25                       |
| 制作版本 Revision        | V1. 0                              |

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|                                                 |                   |
|-------------------------------------------------|-------------------|
| A. 电性能Electrical Characteristics                |                   |
| Frequency 频率                                    | 2400MHz ~ 2500MHz |
| VSWR 电压驻波比                                      | ≤2                |
| Efficiency 效率                                   | 2450MHz @77.75%   |
| Impedance 阻抗                                    | 50 Ohm            |
| Polarization 极化                                 | Linear            |
| Note 备注:                                        |                   |
| B. 材料&物理性能Material & Mechanical Characteristics |                   |
| 射频材料 Material of Radiator                       | PCB               |
| 射频线类型 Cable Type                                | 1.37mm White      |
| C. 环境 Environmental                             |                   |
| 工作温度 Operation Temperature                      | -30℃ ~ +65℃       |
| 存放温度 Storage Temperature                        | -40℃ ~ +70℃       |

## 测试设备 (Test Equipment & Conditions):

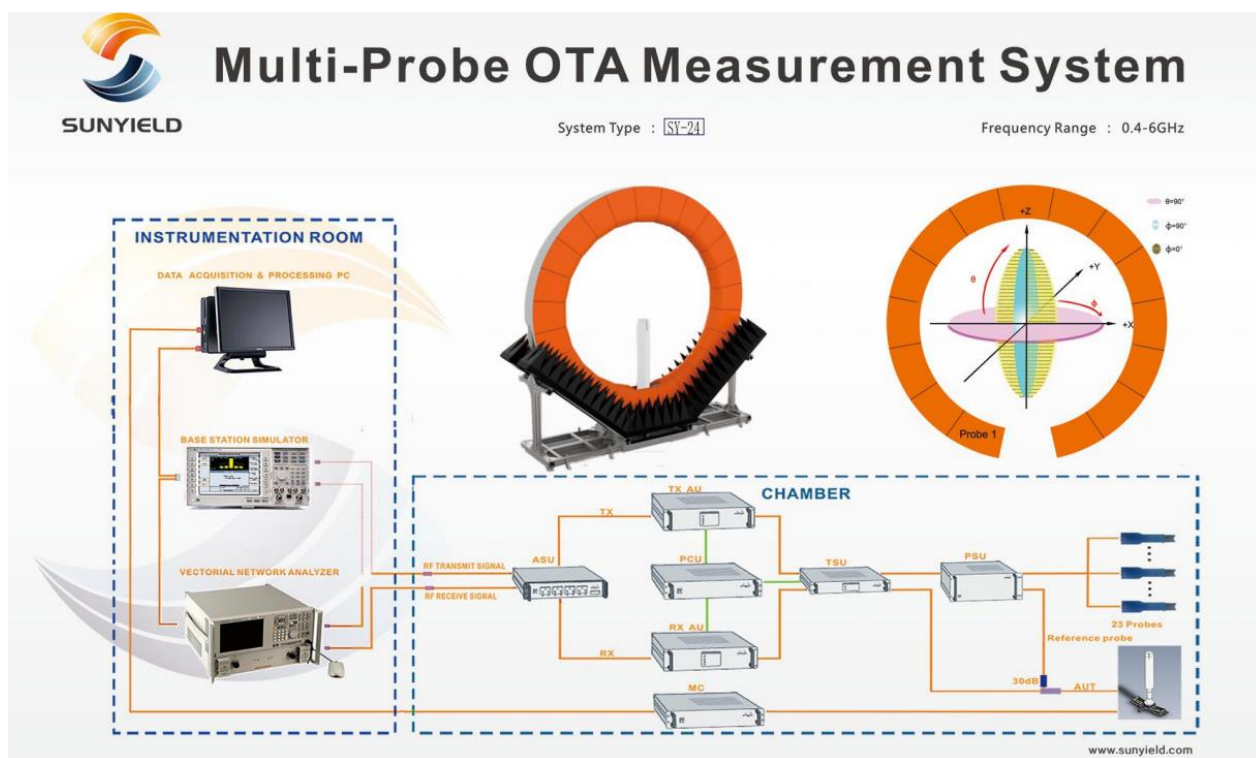
### 1. 网络分析仪 NetWork Analyzers:

Keysight E5071C

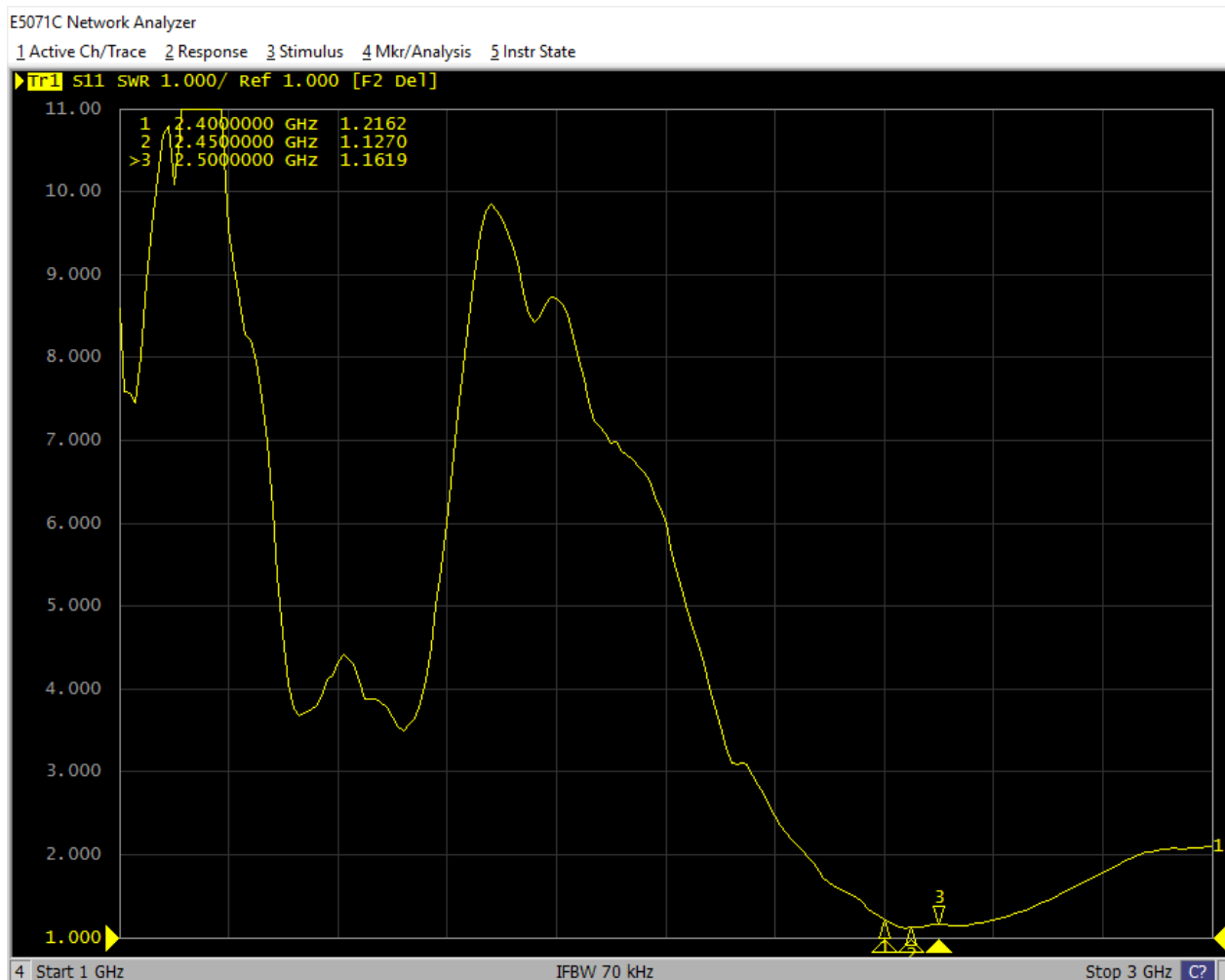
### 2. 综合测试仪 Comprehensive tester:

CMW500 、 MT8000A、 MT8862A

### 3. 3D 暗室测试系统 3D Chamber Test System:



天线阻抗 (Antenna Impedance): S11

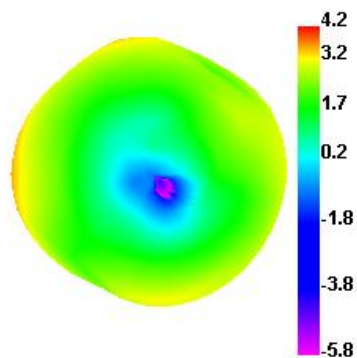


效率&增益(Efficiency & Gain):

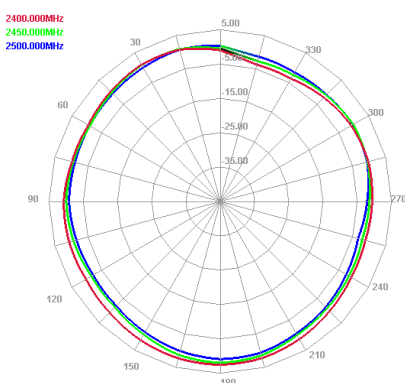
| Freq<br>(MHz) | Effi<br>(%) | Gain<br>(dBi) |
|---------------|-------------|---------------|
| 2400          | 74.81       | 4.18          |
| 2410          | 75.6        | 4.22          |
| 2420          | 75.4        | 4.25          |
| 2430          | 76.94       | 4.13          |
| 2440          | 77.69       | 3.97          |
| 2450          | 77.75       | 3.8           |
| 2460          | 76.43       | 3.85          |
| 2470          | 75.97       | 3.91          |
| 2480          | 75.55       | 3.82          |
| 2490          | 76.79       | 3.85          |
| 2500          | 75.38       | 3.8           |

天线3D&2D方向图(Antenna 3D & 2D pattern):

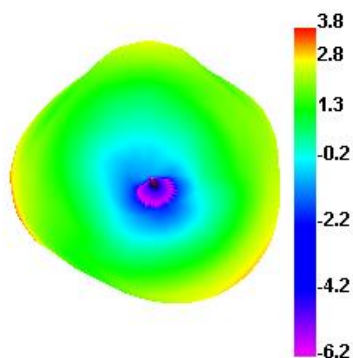
2400.000MHz



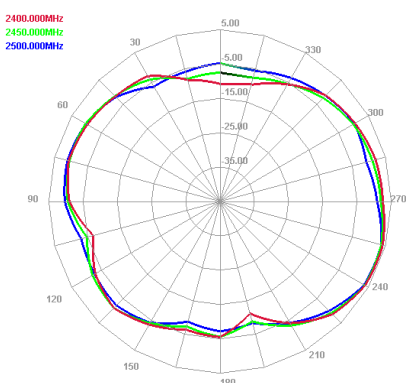
Horizontal



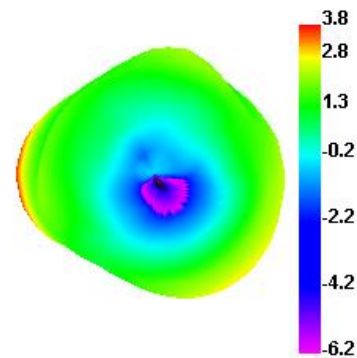
2450.000MHz



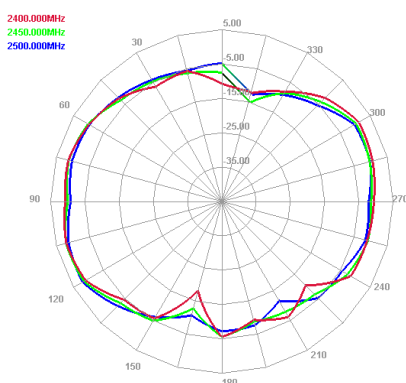
E1 Face



2500.000MHz



E2 Face



天线装配图片 (antenna assembly picture) :

