



样品封订

# 承认书

## APPROVAL SHEET

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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## 基本参数(The basic parameters) :

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°C ~ +65°C
存放温度 Storage Temperature	-40°C ~ +70°C

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

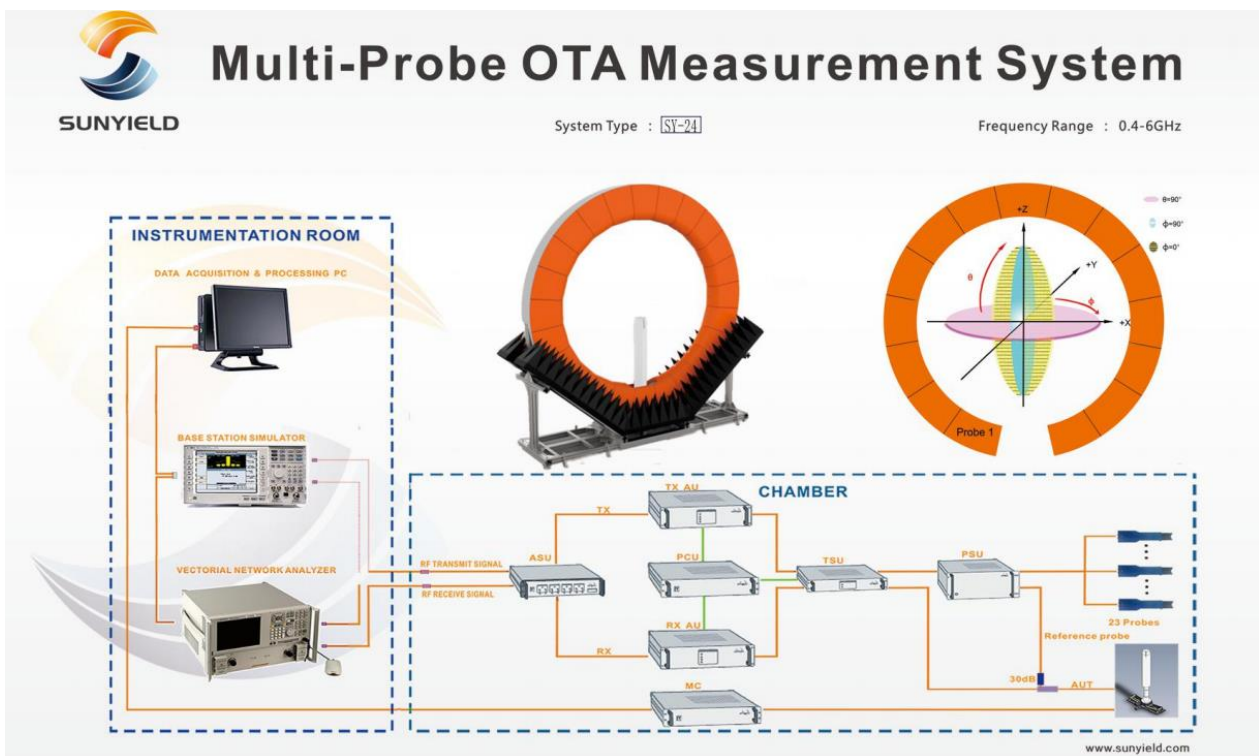
### 1. 网络分析仪 Network Analyzers:

Keysight E5071C

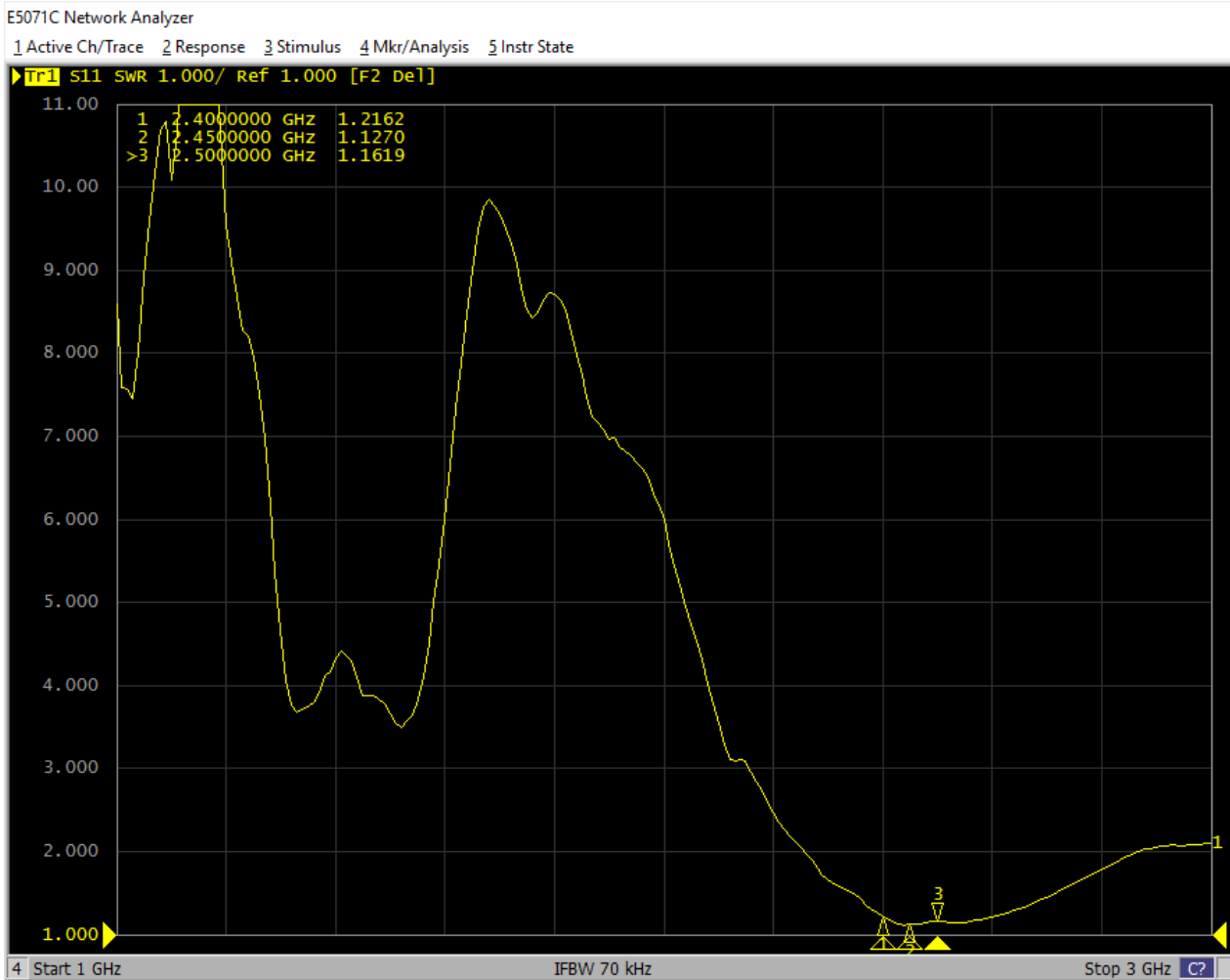
### 2. 综合测试仪 Comprehensive tester:

CMW500 、 MT8000A、 MT8862A

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



天线阻抗 (Antenna Impedance): S11

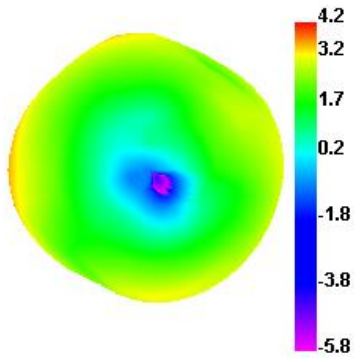


## 效率&增益(Efficiency & Gain):

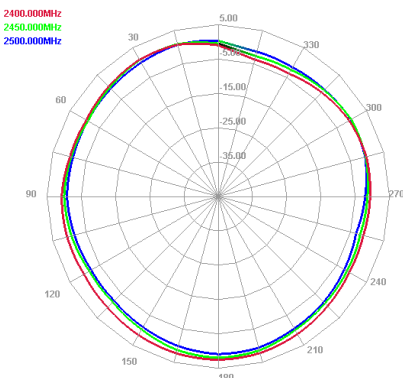
Freq (MHz)	Effi (%)	Gain (dBi)
2400	74.81	4.18
2410	75.6	4.22
2420	75.4	4.25
2430	76.94	4.13
2440	77.69	3.97
2450	77.75	3.8
2460	76.43	3.85
2470	75.97	3.91
2480	75.55	3.82
2490	76.79	3.85
2500	75.38	3.8

## 天线3D&2D方向图(Antenna 3D & 2D pattern):

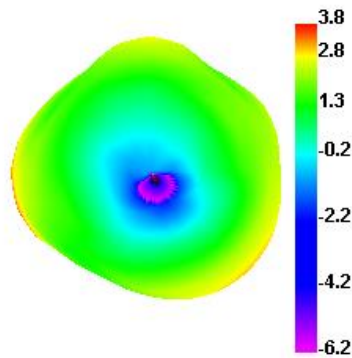
**2400.000MHz**



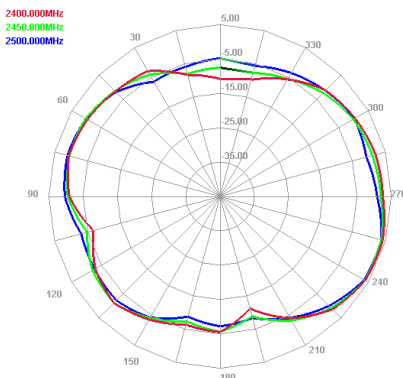
**Horizontal**



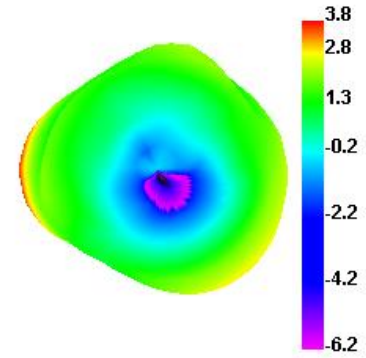
**2450.000MHz**



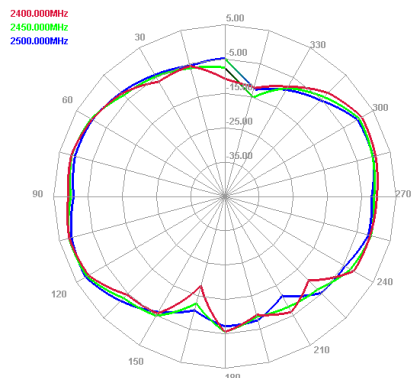
**E1 Face**



**2500.000MHz**



**E2 Face**





# 深圳市南斗星科技有限公司

SHENZHEN SOUTH STAR TECHNOLOGY CO.,LTD

天线装配图片 (antenna assembly picture) :

