



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	5G , 5.05dBi
天线型号 Southstar P/N	3.N101.1078
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	5150MHz ~ 5850MHz
VSWR 电压驻波比	≤2
Efficiency 效率	5500MHz @70.86%
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 Black
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):

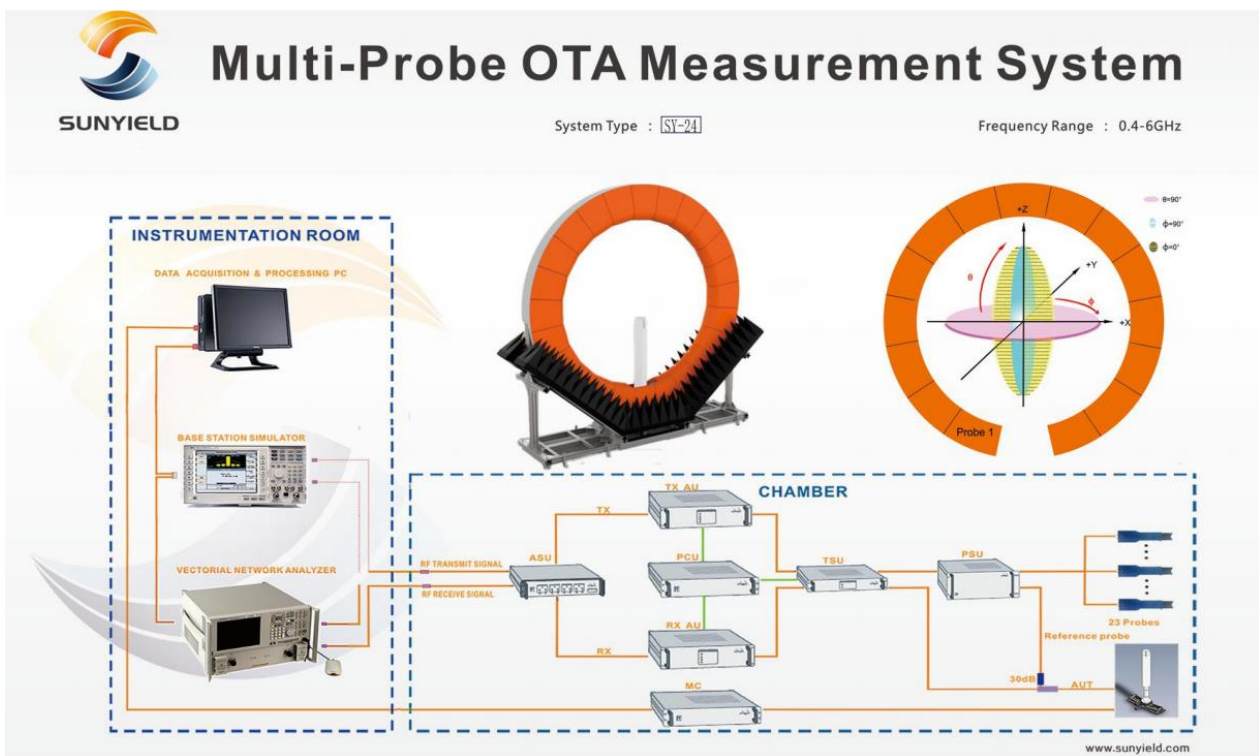
### 1. 网络分析仪 Network Analyzers:

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:

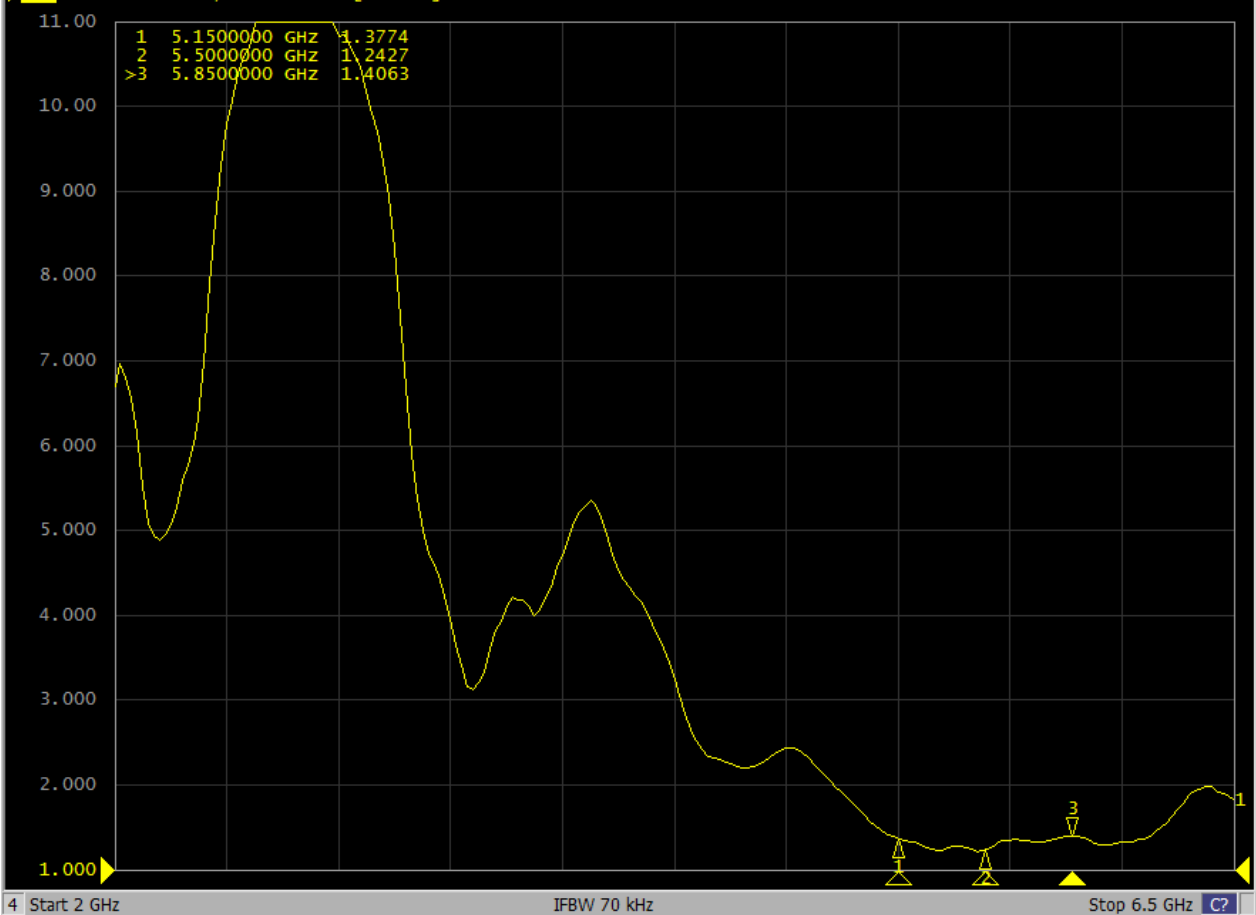


天线阻抗 (Antenna Impedance): S11

E5071C Network Analyzer

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

▶ Tr1 S11 SWR 1.000/ Ref 1.000 [F2 De1]

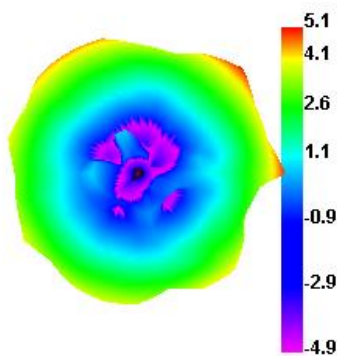


## 效率&增益(Efficiency & Gain):

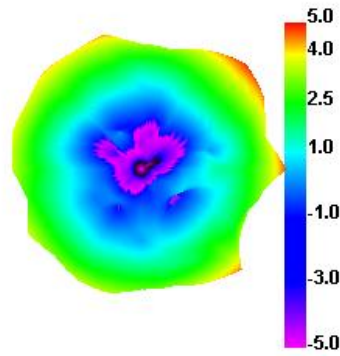
Freq (MHz)	Effi (%)	Gain (dBi)
5150	70.74	5.14
5200	70.98	5.08
5250	70.2	5.12
5300	69.54	5.04
5350	67.62	5.05
5400	71.9	5.55
5450	68.75	5.02
5500	70.86	5.05
5550	70.48	5.01
5600	68.96	5.08
5650	69.58	5.1
5700	68.05	5.05
5750	68.06	4.99
5800	68.4	5.08
5850	69.44	5.15

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

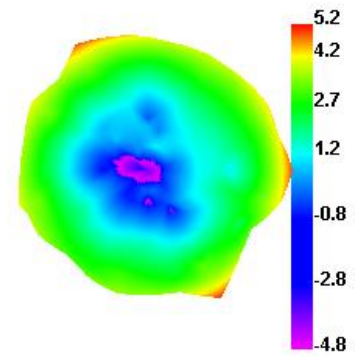
**5150.000MHz**



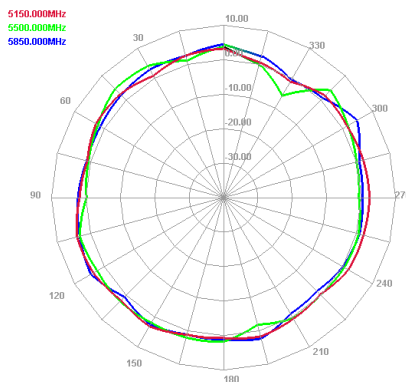
**5500.000MHz**



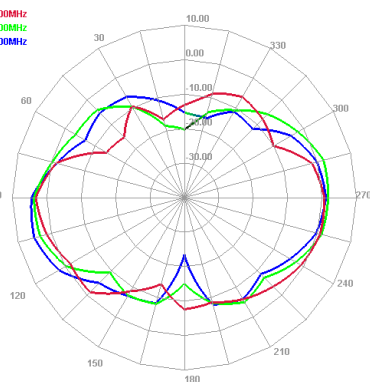
**5850.000MHz**



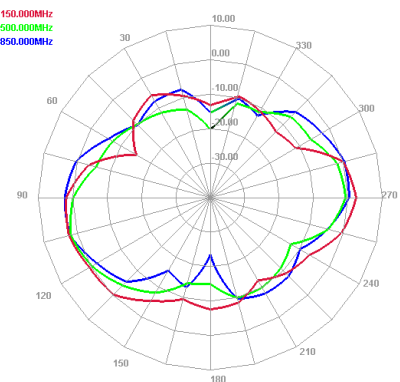
**Horizontal**



**E1 Face**



**E2 Face**



天线装配图片 (antenna assembly picture) :

