



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 , 3.93dBi
天线型号Southstar P/N	3.N101.1076
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 @76.99%
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):

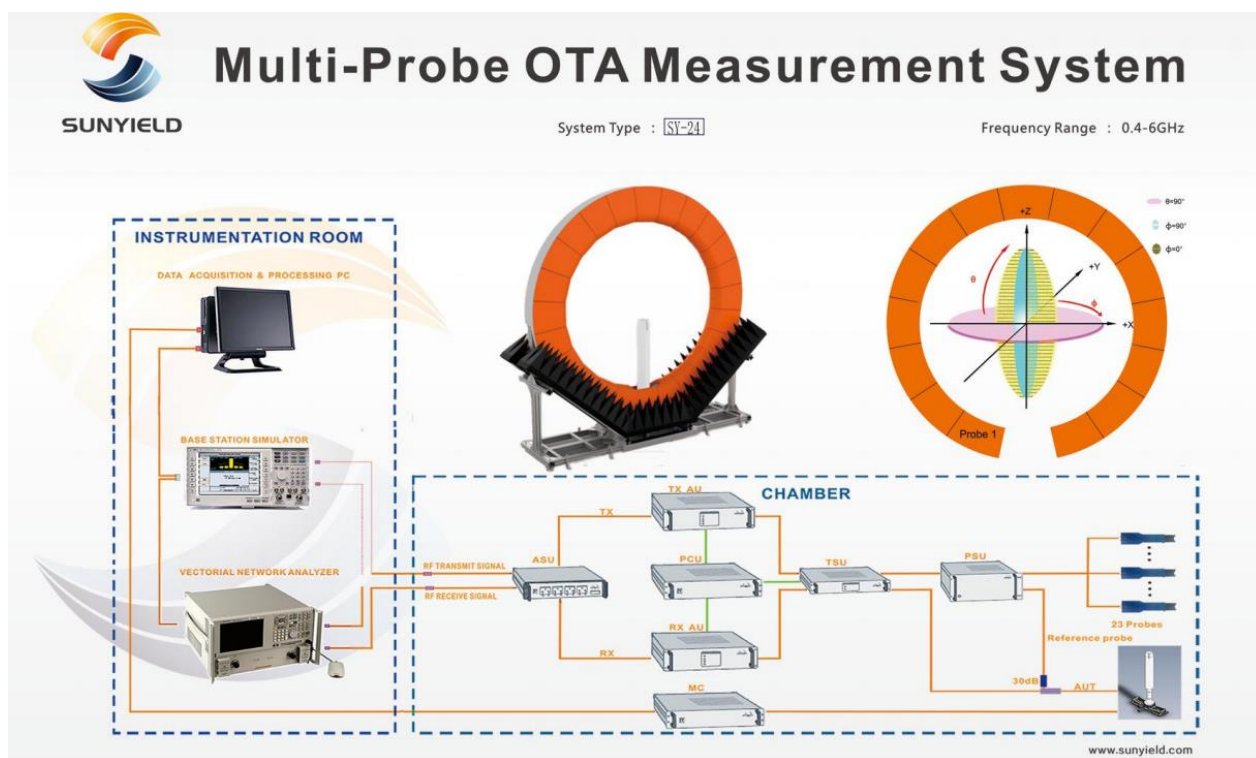
1. 网络分析仪 NetWork Analyzers:

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:

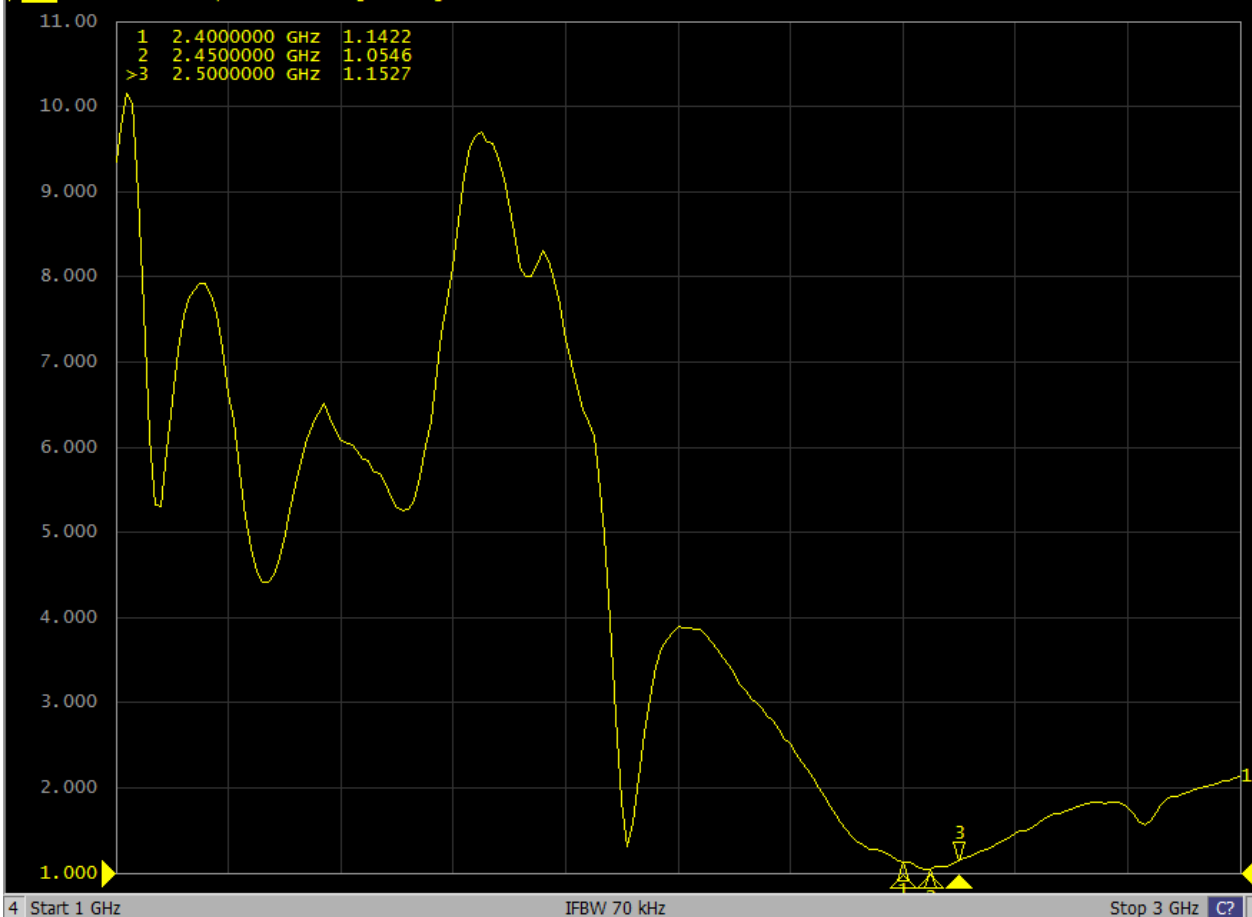


天线阻抗 (Antenna Impedance): S11

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 Del]

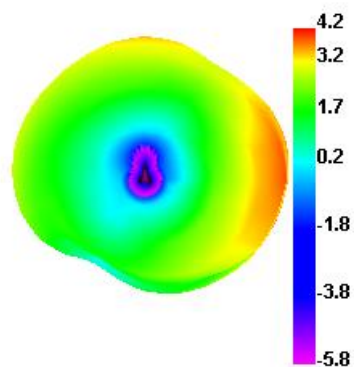


效率&增益(Efficiency & Gain):

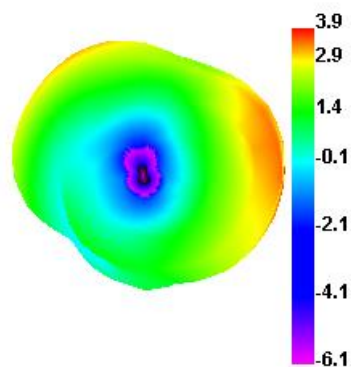
Freq (MHz)	Effi (%)	Gain (dBi)
2400	75.48	4.24
2410	75.46	4.19
2420	76.19	4.22
2430	75.77	4.15
2440	76.16	4.1
2450	76.99	3.93
2460	75.06	3.85
2470	74.96	3.68
2480	75.53	3.43
2490	75.2	3.3
2500	74.01	3.12

天线3D&2D方向图(Antenna 3D & 2D pattern):

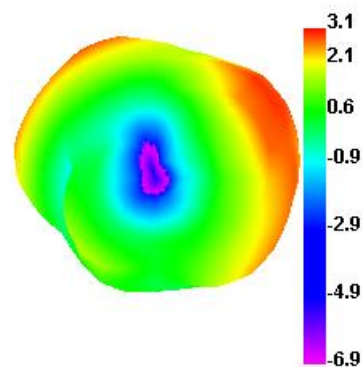
2400.000MHz



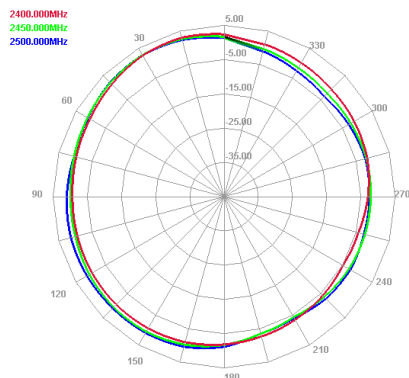
2450.000MHz



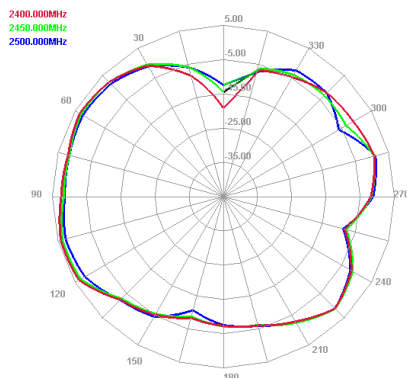
2500.000MHz



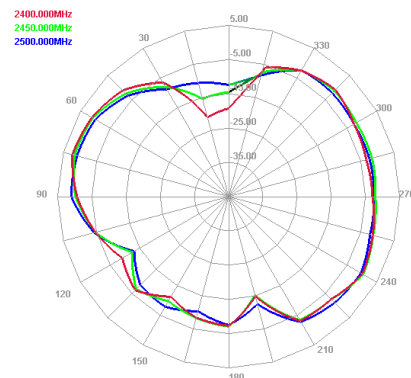
Horizontal



E1 Face



E2 Face



天线装配图片 (antenna assembly picture) :

