



承认书

APPROVAL SHEET

样品封订

客户名称 Customer Name 多酷

产品型号 Product Model WR3600H

客户料号 Customer P/N

规格描述 Specifications 黑色利刃型外置天线, 5G, 1.37 黑色 L=90mm

南斗星料号 Southstar P/N 3.N102.1339

制作日期 Production date 2024.08.09

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南斗星 (Southstar)		
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深圳市南斗星科技有限公司

SHENZHEN SOUTH STAR TECHNOLOGY CO.,LTD

承认书变更履历

版本	日期	变更描述	备注
1.0	2024.08.09	初版	



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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	70.31%@5500MHz
Impedance 阻抗	50 Ohm
Polarization 极化	Linear
Gain 增益	4.92dBi@5500MHz
Note 备注:	
B. 材料&物理性能Material & Mechanical Characteristics	
射频材料 Material of Radiator	外置
射频线类型 Cable Type	1.37mm 黑色
接头类型 Connector Type	一代
C. 环境 Environmental	
工作温度 Operation Temperature	-30°C ~ +65°C
存放温度 Storage Temperature	-40°C ~ +70°C

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测试设备 (Test Equipment & Conditions):

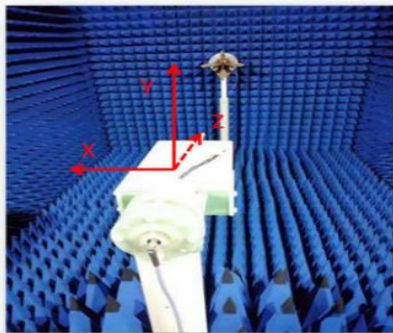
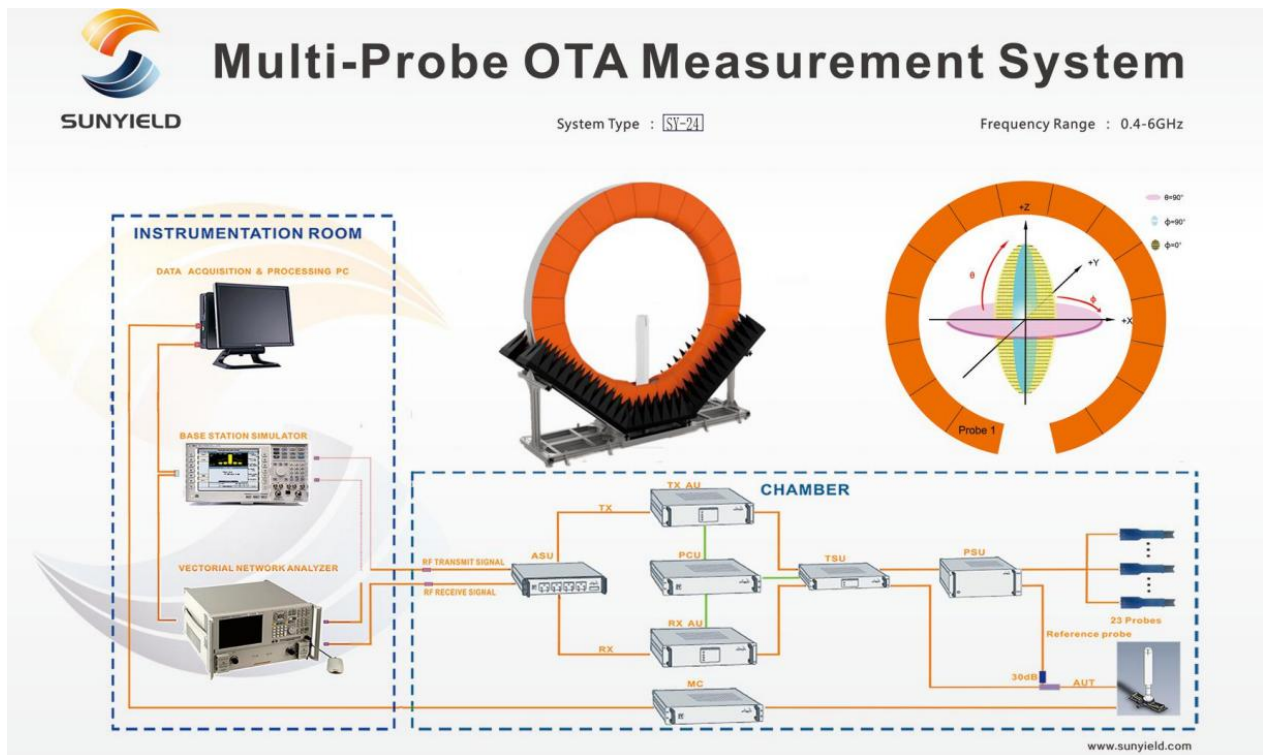
1. 网络分析仪 NetWork Analyzers:

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:



H 面: XOY轴;
E1面: XOZ轴;
E2面: YOZ轴;

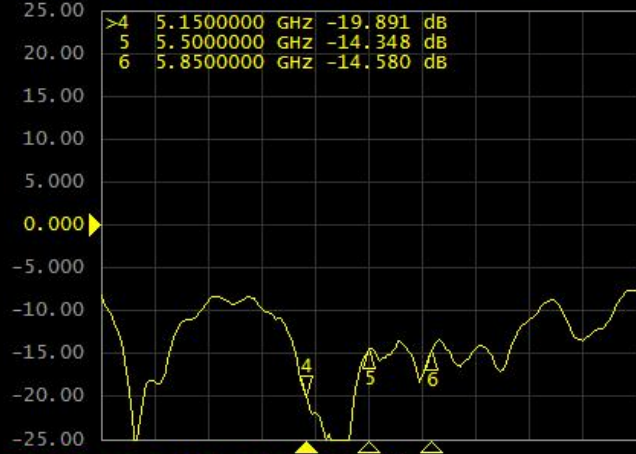


天线阻抗 (Antenna Impedance): S11

E5071C Network Analyzer

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

▶ **Tr1 S11 Log Mag 5.000dB/ Ref 0.000dB [F2 Del]**

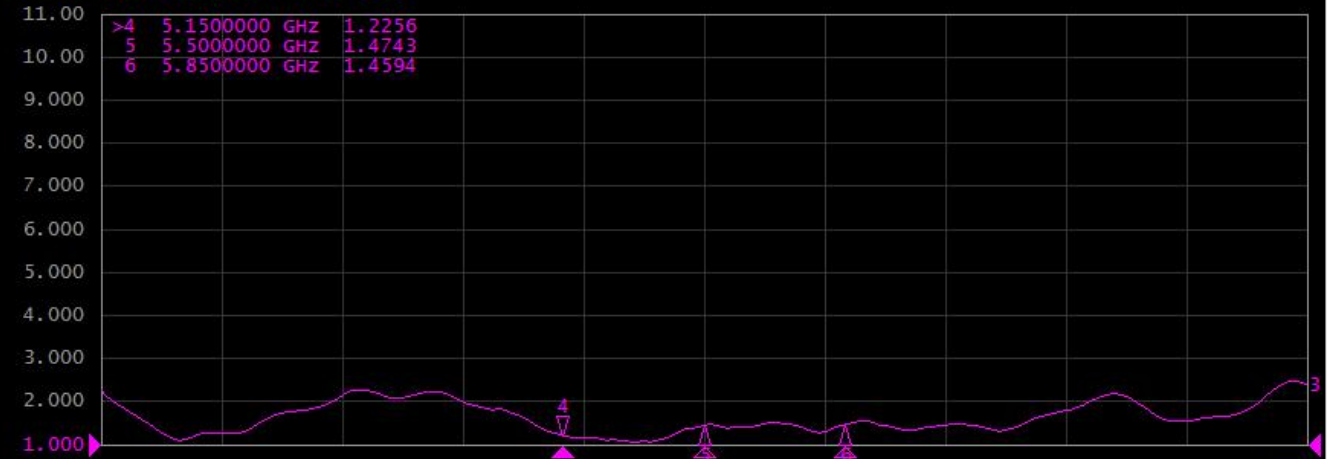


Tr2 S11 Smith (R+jX) Scale 1.000U [F2]

>4	5.150000	GHZ	53.545	Ω	-9.7003	Ω	3.1859	pF
5	5.500000	GHZ	46.900	Ω	18.661	Ω	539.99	pH
6	5.850000	GHZ	38.540	Ω	12.081	Ω	328.67	pH



Tr3 S11 SWR 1.000/ Ref 1.000 [F2]



3 Start 4 GHz

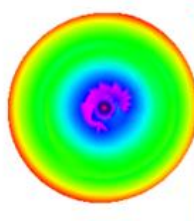
IFBW 70 kHz

Stop 7 GHz **C?**

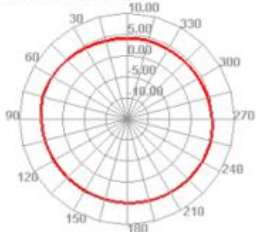
效率&增益(Efficiency & Gain):

Freq (MHz)	Effi (%)	Gain (dBi)
5150	73.62	5.25
5200	72.49	5.11
5250	75.58	5.47
5300	74.37	5.37
5350	73.03	5.22
5400	72.42	5.12
5450	71.73	5.03
5500	70.31	4.92
5550	69.54	4.82
5600	70.28	4.96
5650	71.26	5.03
5700	70.39	4.97
5750	69.26	4.88
5800	68.92	4.79
5850	70.72	4.94

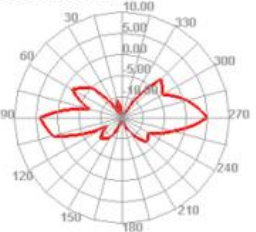
5150.000MHz



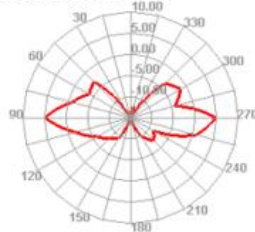
5150.000MHz H



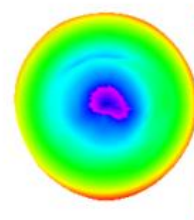
5150.000MHz E1



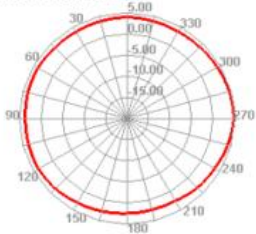
5150.000MHz E2



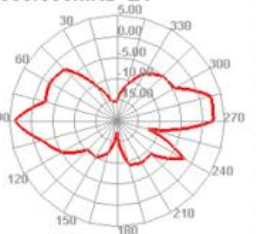
5500.000MHz



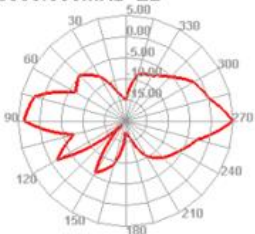
5500.000MHz H



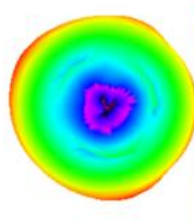
5500.000MHz E1



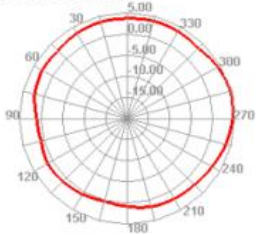
5500.000MHz E2



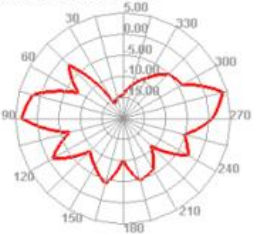
5850.000MHz



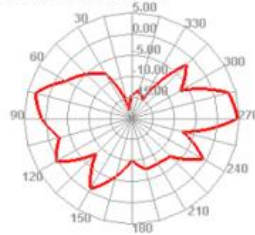
5850.000MHz H



5850.000MHz E1



5850.000MHz E2





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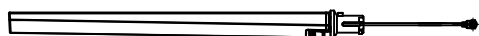
天线装配图片 (Antenna assembly picture):



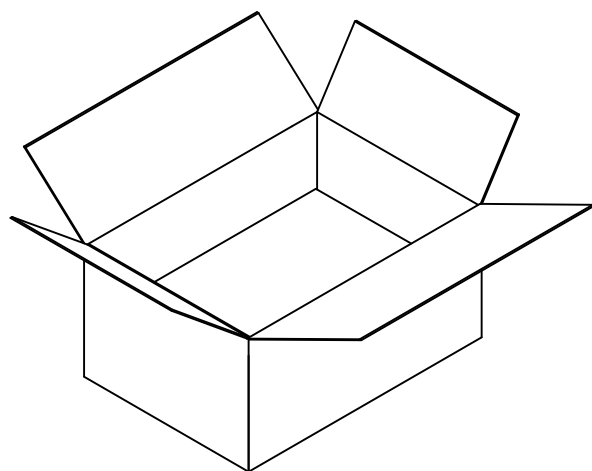
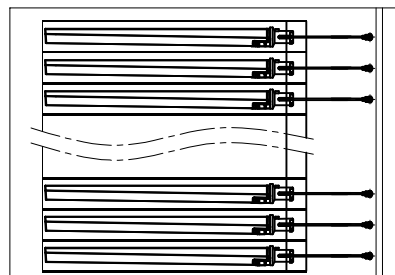
成品名称：利刃外置天线-黑色

版本：A

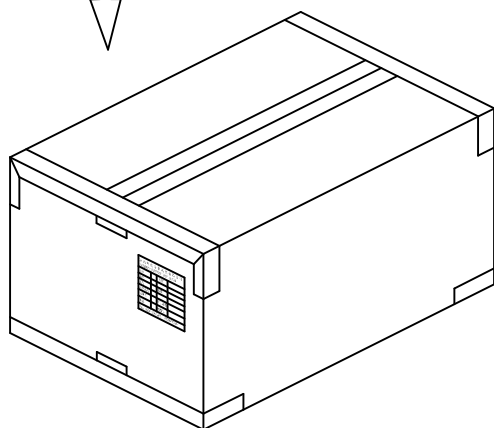
一：成品天线



二：每10PCS装排袋，50PCS产品用一个夹链袋包装。



三：装箱, 每箱装600PCS (以实际包装为准)。



四：封箱，外箱贴我司生产标签和ROHS标签。

制作：雷双露

审核：