



承认书

APPROVAL SHEET

样品封订

客户名称 Customer Name 多酷

产品型号 Product Model AP905

客户料号 Customer P/N

规格描述 Specifications 外置天线, 双频, SMA公头母针

南斗星料号 Southstar P/N 3.N101.1363

制作日期 Production date 2024.10.25

制作版本 Revision 1.0

南斗星 (Southstar)		
编制 (FICTION)	品质 (DQE)	研发 (R&D)
客户 (Customer)		
采 购 (PUR)	品质 (QC)	研发 (R&D)

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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. 10. 25	初版	



深圳市南斗星科技有限公司

SHENZHEN SOUTH STAR TECHNOLOGY CO.,LTD

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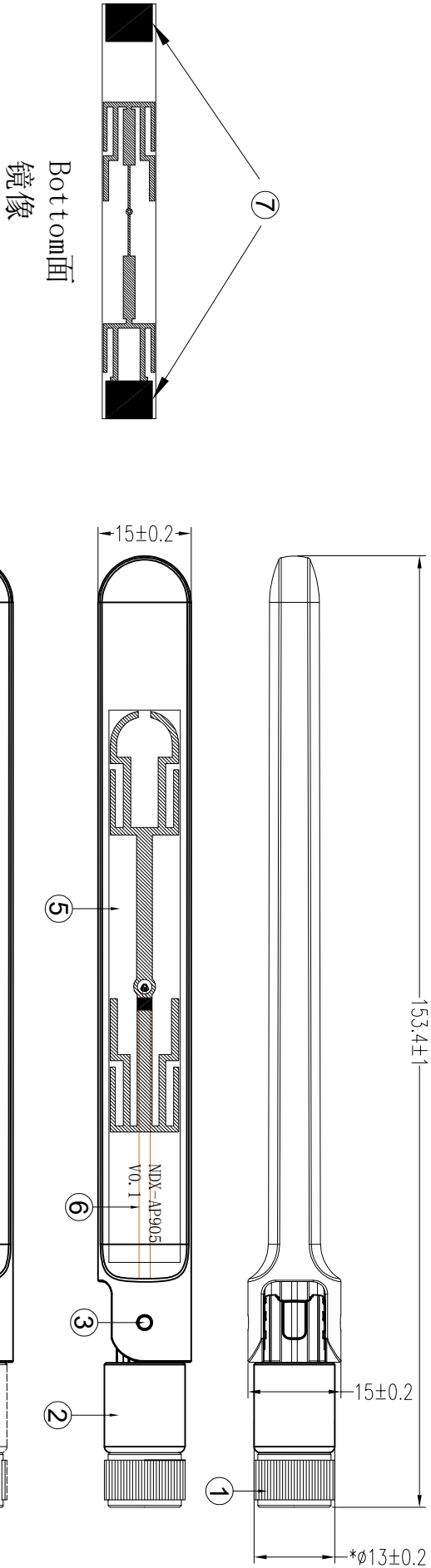
A. 电性能Electrical Characteristics

Frequency 频率	2400MHz~2500MHz、5150MHz~5850MHz
VSWR 电压驻波比	≤2.5
Efficiency 效率	70.01%@2450MHz 66.23%5500MHz
Impedance 阻抗	50 Ohm
Polarization 极化	Linear
Gain 增益	1.65dBi@ 2450MHz 4.39dBi@5500MHz
Note 备注:	

射频材料 Material of Radiator	外置
射频线类型 Cable Type	1. 78mm棕色同轴线
接头类型 Connector Type	SMA

工作温度 Operation Temperature	-30°C ~ +65°C
存放温度 Storage Temperature	-40°C ~ +70°C

版本	描述	日期	备注
△	新发文		



- 技术要求:
- 标“*”尺寸为重点管控尺寸,标“CpK”尺寸需做制程能力分析;
 - 未标注公差依照图纸标准公差表;
 - 无虚焊、假焊、连锡、短路、断路等不良现象;
 - 所有部件需符合RoHS2.0及REACH要求;

7	1. 202. 0410	泡棉	8*7*2.5 单面背胶	2	
6	2. A02. 2281	WiFi/射频线	ϕ 1.78mm棕色同轴线	1	
5	2. A21. 0847	WiFi/PCB	FR4/双面板 黑色	1	
4	1. S01. 0783	杆套	ABS 白色	1	
3	1. S01. 0106	铆钉	POM 白色	2	
2	1. S01. 1293	SMA下固	PC-PBT 白色	1	
1	1. W10. 0285	SMA公头母针	公头母针/白色外壳	1	
编号	料号	品名	规格描述	数量	备注

South Star		深圳市南斗星科技有限公司		Shenzhen South Star Technology Co., Ltd	
未注公差表		项 目		结 构	
0.5~6	± 0.1	—	0.1	品 名	樊金培 2024-09-20
>6~30	± 0.2	○	0.1	材 料	蒋 帅 2024-09-20
>30~120	± 0.3	◎	0.1	料 号	3. N102. 1363
>120~400	± 0.5	⊥	0.1	客户料号	审 核
>400~1000	± 0.8	∠	0.1	页码	单 位
>1000	± 1.2	角度	$\pm 1.0^\circ$	1/1	mm
				第三视角	版本
				比 例	A

测试设备 (Test Equipment & Conditions):

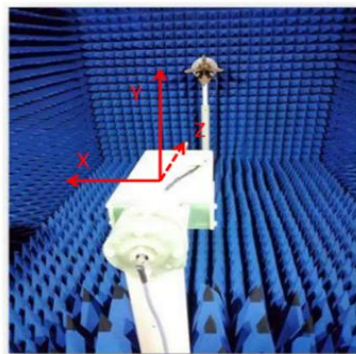
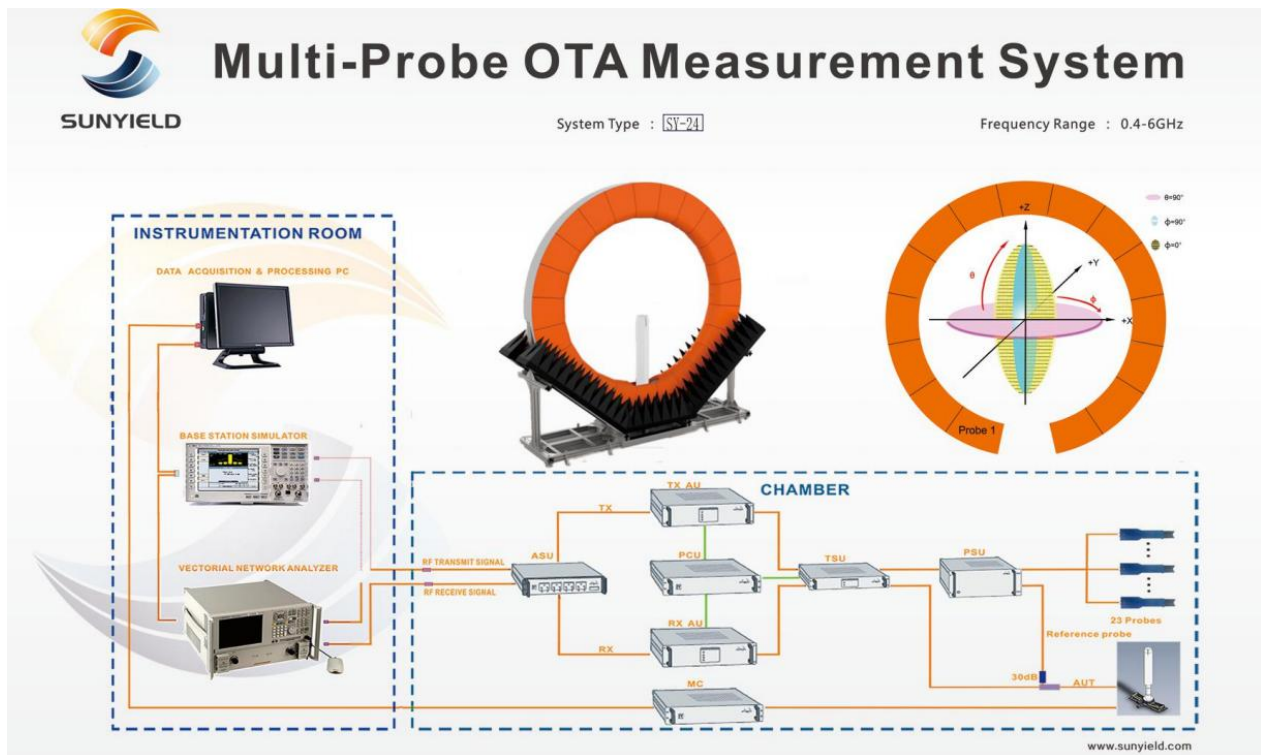
1. 网络分析仪 NetWork Analyzers:

Keysight E5071C

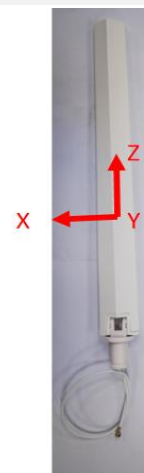
2. 综合测试仪 Comprehensive tester:

CMW500 、 MT8000A、 MT8862A

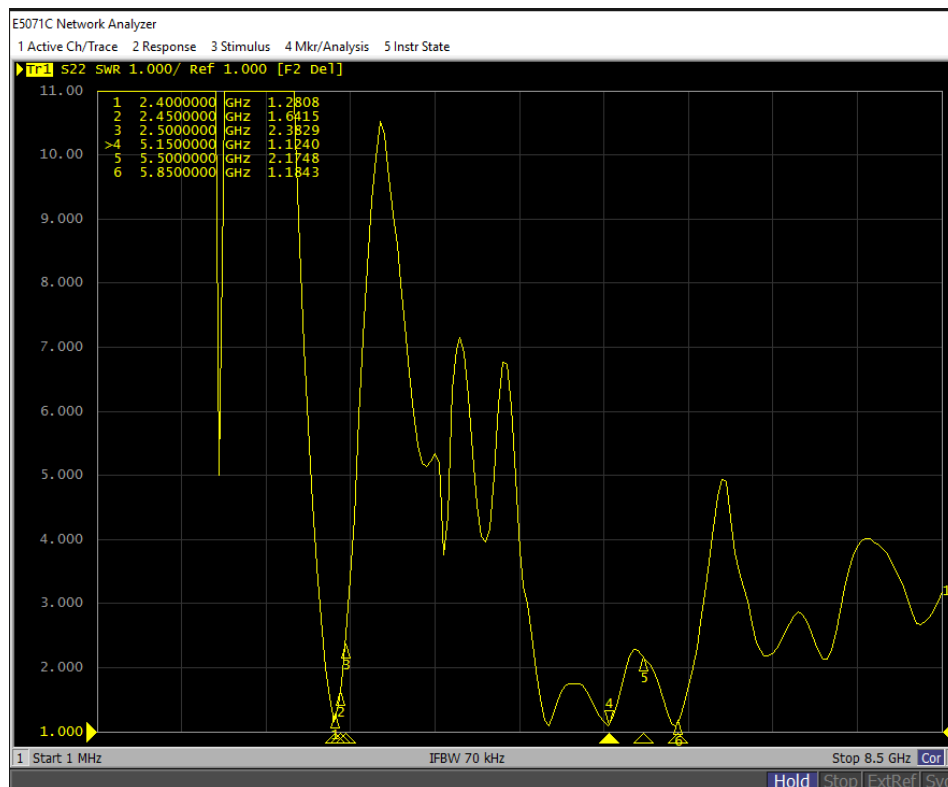
3. 3D 暗室测试系统 3D Chamber Test System:



H 面: XOY轴;
E1面: XOZ轴;
E2面: YOZ轴;



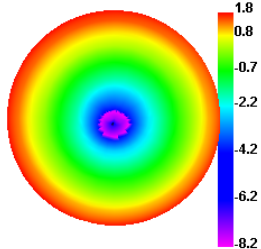
天线阻抗 (Antenna Impedance) : S11



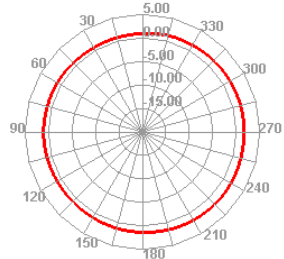
效率&增益 (Efficiency & Gain) :

Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)
2400	73.28	1.81	5150	70.87	5.72
2410	70.83	1.69	5200	70.35	4.83
2420	72.35	1.84	5250	69.4	4.57
2430	72.83	1.87	5300	64.19	4.05
2440	71.22	1.74	5350	61.18	3.55
2450	70.01	1.65	5400	62.48	3.95
2460	69.89	1.66	5450	62.5	4.17
2470	67.53	1.58	5500	66.23	4.39
2480	66.67	1.68	5550	63.4	4.19
2490	70.93	2.14	5600	64.21	4.37
2500	66.15	1.99	5650	66.34	4.55
			5700	69.36	4.62
			5750	71.07	4.72
			5800	70.62	4.7
			5850	74.05	4.63

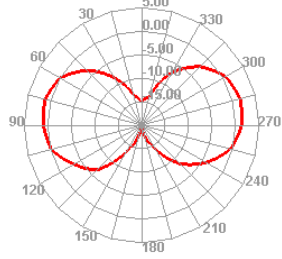
2400.000MHz



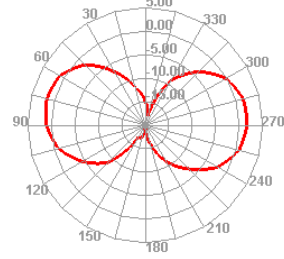
2400.000MHz H



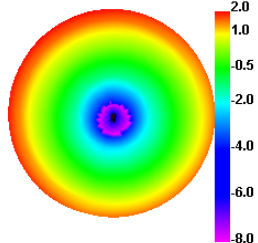
2400.000MHz E1



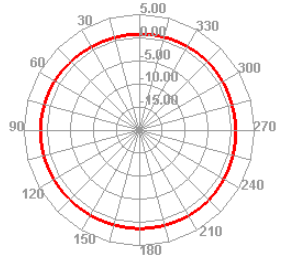
2400.000MHz E2



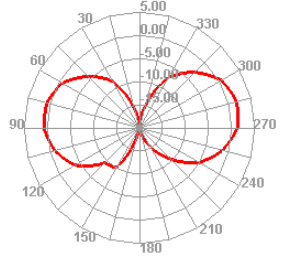
2500.000MHz



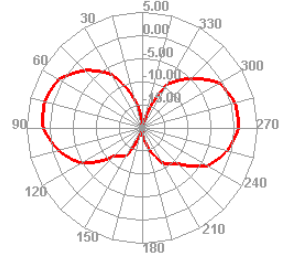
2500.000MHz H



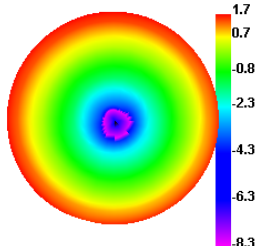
2500.000MHz E1



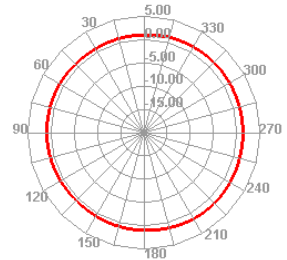
2500.000MHz E2



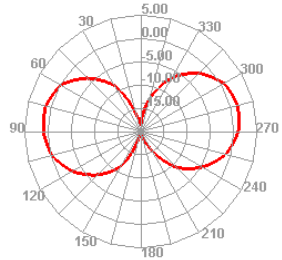
2450.000MHz



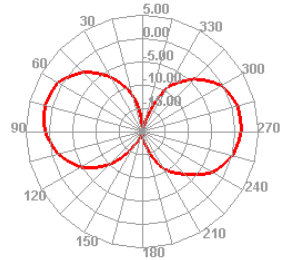
2450.000MHz H



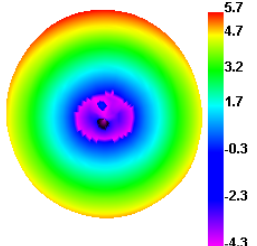
2450.000MHz E1



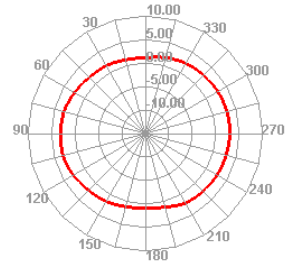
2450.000MHz E2



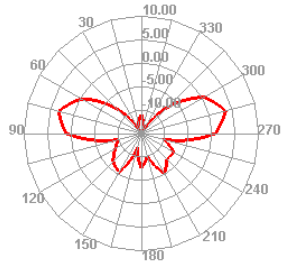
5150.000MHz



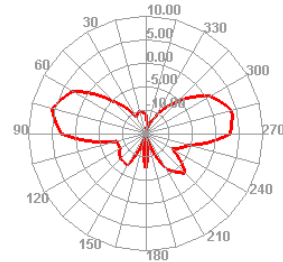
5150.000MHz H



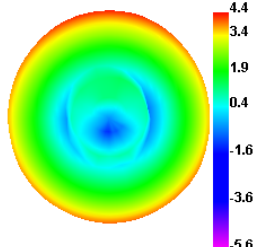
5150.000MHz E1



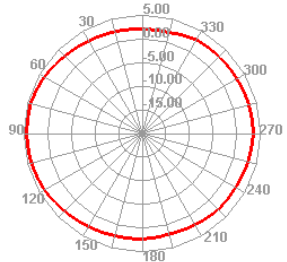
5150.000MHz E2



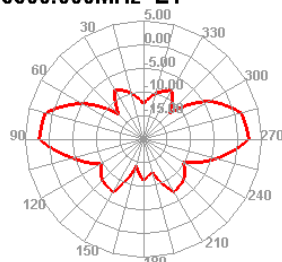
5500.000MHz



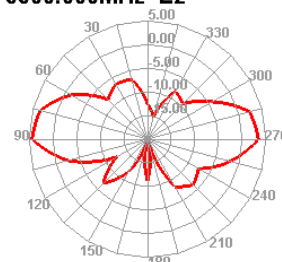
5500.000MHz H



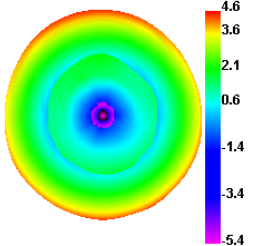
5500.000MHz E1



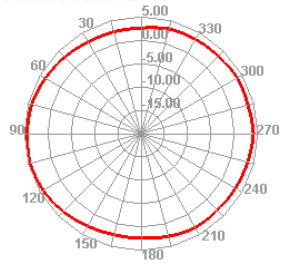
5500.000MHz E2



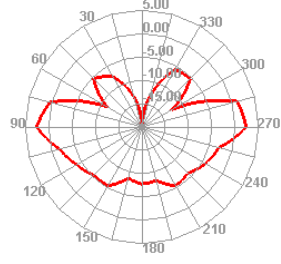
5850.000MHz



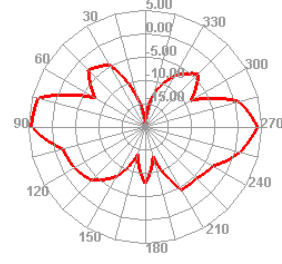
5850.000MHz H



5850.000MHz E1



5850.000MHz E2



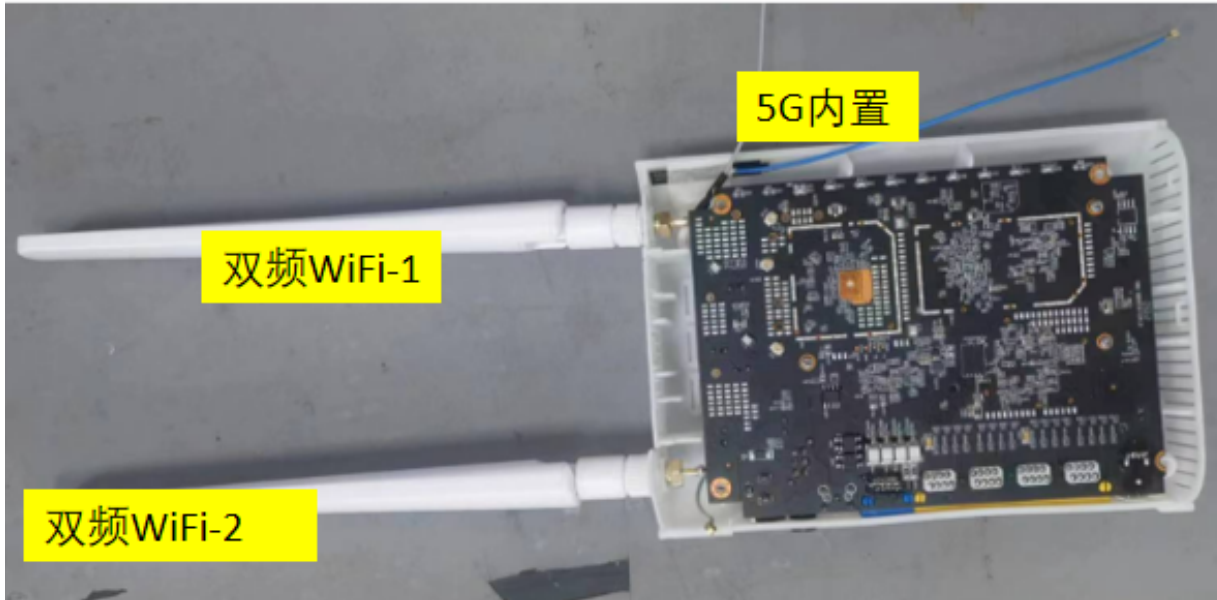


South
star

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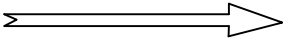
天线装配图片 (Antenna assembly picture):



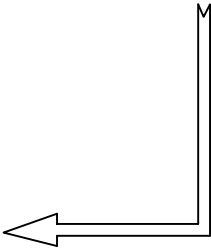
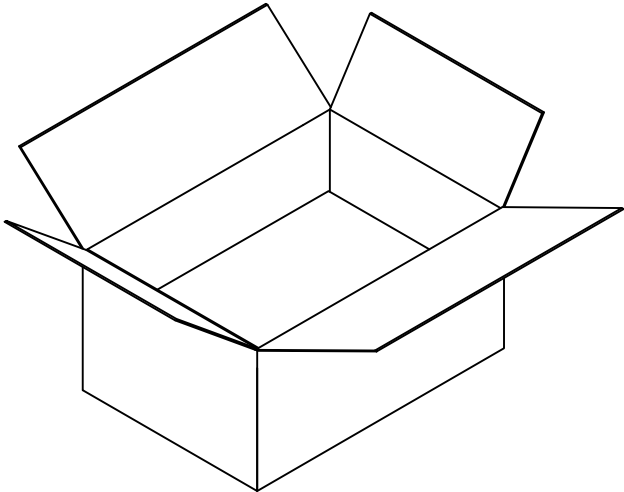
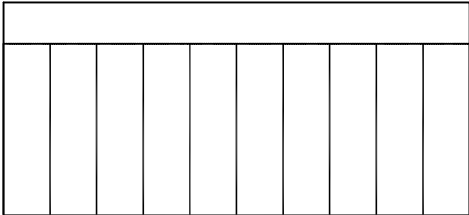


成品名称 天线	版本：A
	客户：多酷

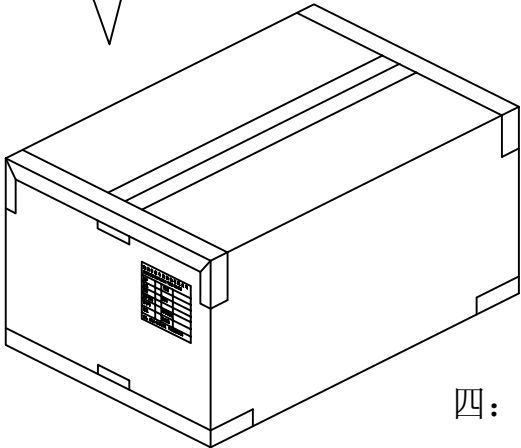
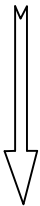
一：成品天线



二：装排袋，每排袋装50PCS产品，
然后5排带装一大夹链袋。



三：装箱 (20包/1000pcs装一箱)。



四：封箱，外箱贴我司生产标签。