



样品封订

承认书

APPROVAL SHEET

客户名称 Customer Name 智微智能

产品型号 Product Model N104

客户料号 Customer P/N 301800023134

规格描述 Specifications WIFI-AUX 天线

南斗星料号 Southstar P/N 3. N101. 1652

制作日期 Production date 2024. 10. 22

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客户 (Customer)		
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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. 22	初版	



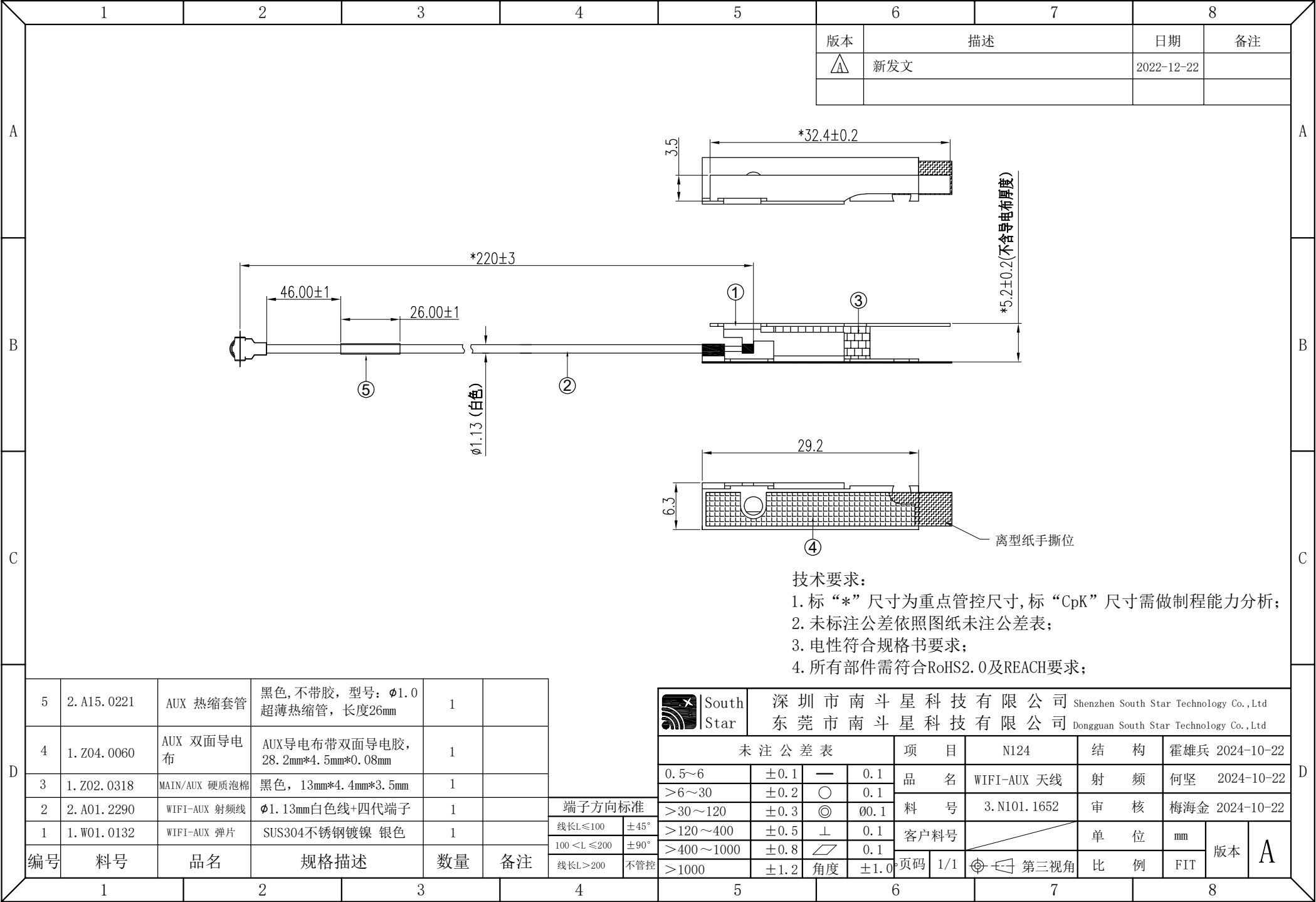
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基本参数(The basic parameters)

A. 电性能Electrical Characteristics	
Frequency 频率	2400MHz~ 2500MHz; 5150MHz~ 5850MHz;
VSWR 电压驻波比 NB Mode	<3
Efficiency 效率 2.4g avg. 5.8g avg.	44% 53%
Impedance 阻抗	50 Ohm
Polarization 极化	Linear
Gain 增益	
B. 材料&物理性能Material & Mechanical Characteristics	
射频材料 Material of Radiator	弹片(304 不锈钢镀镍)
射频线类型 Cable Type	Φ 1.13mm White
接头类型 Connector Type	四代
重量 weight	
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)

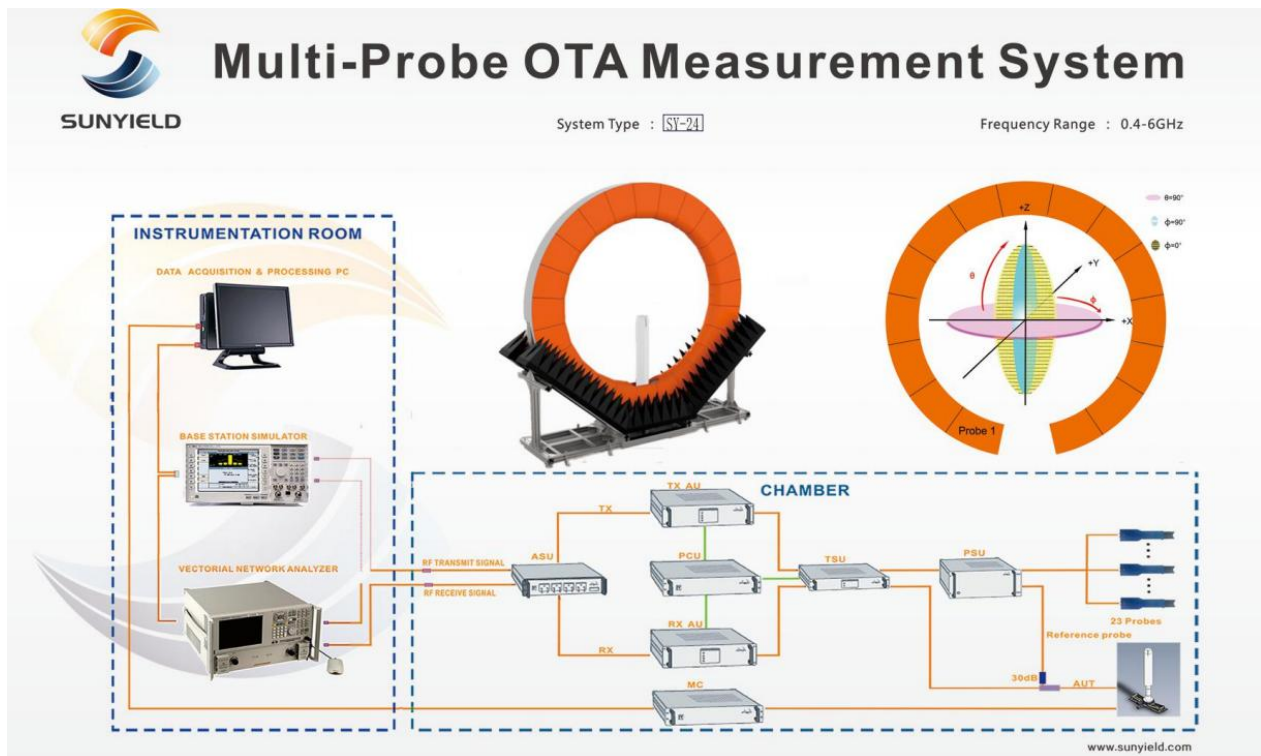
1. 网络分析仪 NetWork Analyzers:

Keysight E5071C

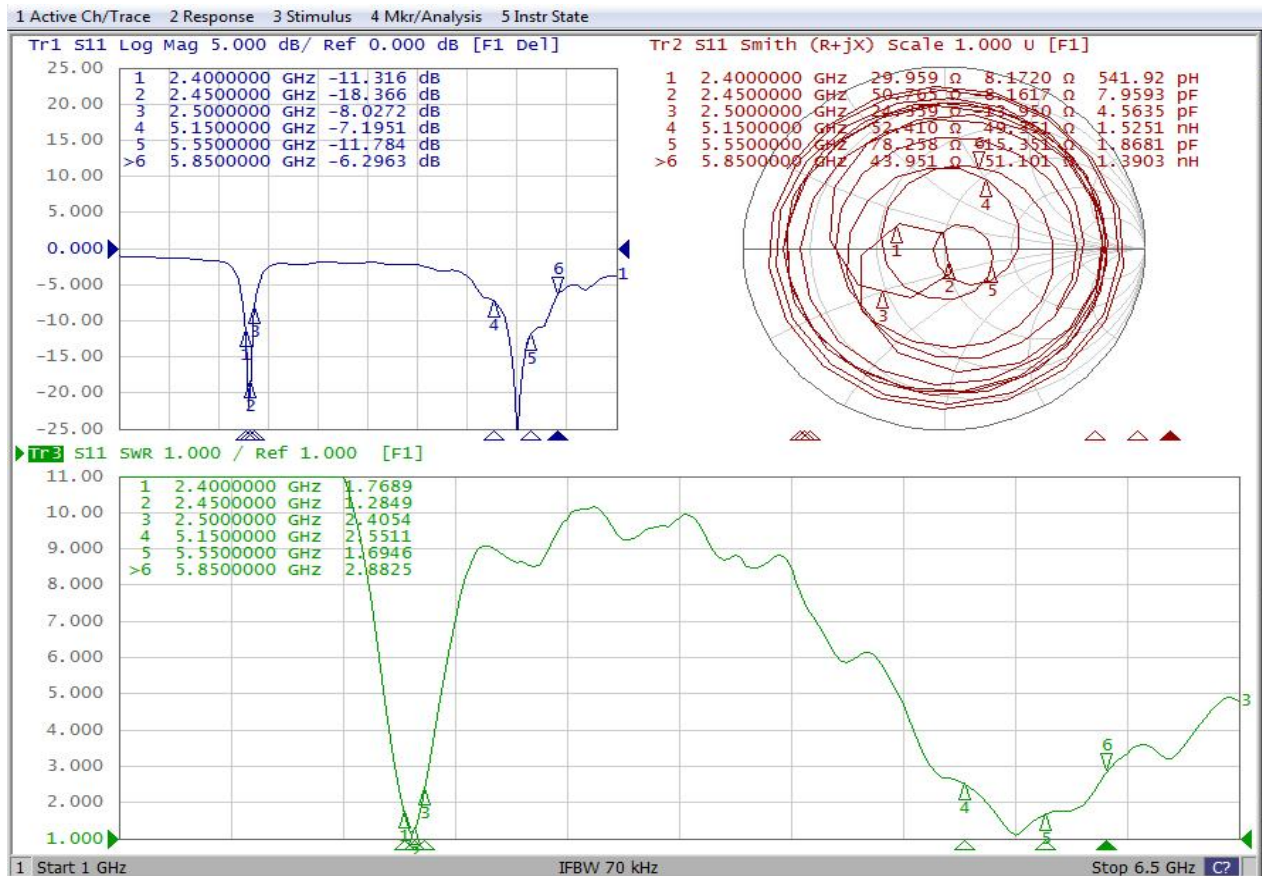
2. 综合测试仪 Comprehensive tester:

CMW500 、 MT8000A、 MT8862A

3. 3D 暗室测试系统 3D Chamber Test System:



天线阻抗Antenna Impedance: WIFI-Aux



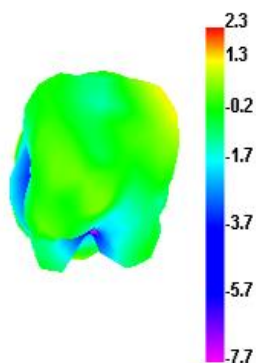
效率&增益Efficiency & Gain: WIFI-Aux

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	45.07	-3.46	2.28
2410	45.52	-3.42	2.25
2420	46.64	-3.31	2.3
2430	45.29	-3.44	2.18
2440	45.05	-3.46	2.11
2450	47.55	-3.23	2.2
2460	48.93	-3.1	2.27
2470	45.14	-3.45	1.93
2480	39.13	-4.07	1.5
2490	37.83	-4.22	1.48
2500	42.27	-3.74	2.02
avg.	44.40	-3.54	2.05

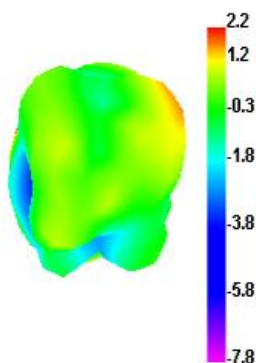
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	50.21	-2.99	3.13
5200	53.19	-2.74	3.49
5250	52.02	-2.84	4.3
5300	55.42	-2.56	4.9
5350	54.84	-2.61	4.66
5400	55.62	-2.55	4.33
5450	55.74	-2.54	4.13
5500	55.85	-2.53	4.44
5550	56.85	-2.45	4.09
5600	53.95	-2.68	3.98
5650	53.26	-2.74	4.39
5700	52.08	-2.83	4.24
5750	51.78	-2.86	3.85
5800	51.63	-2.87	4.02
5850	53.16	-2.74	4.21
avg.	53.71	-2.70	4.14

天线3D&2D方向图Antenna 3D & 2D pattern: WIFI-Main

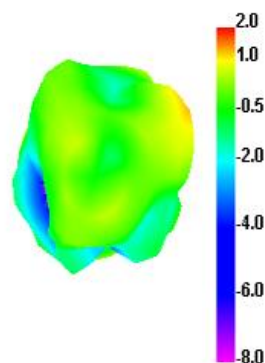
2400.000MHz



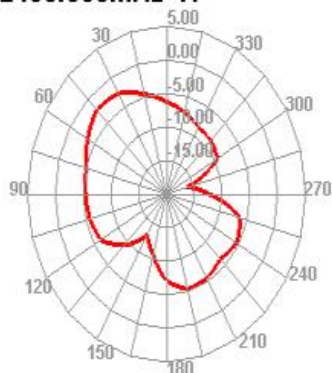
2450.000MHz



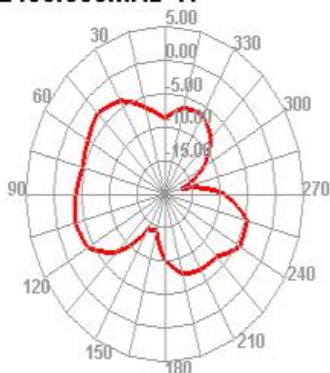
2500.000MHz



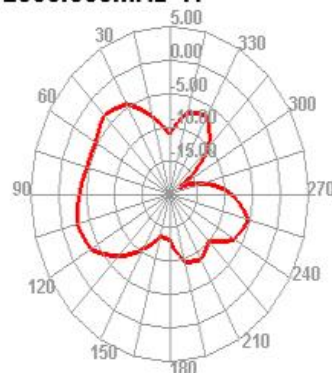
2400.000MHz H



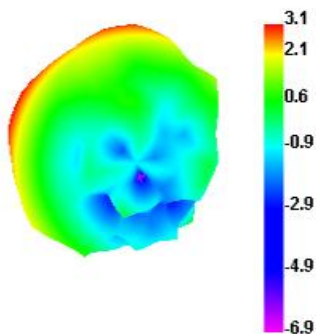
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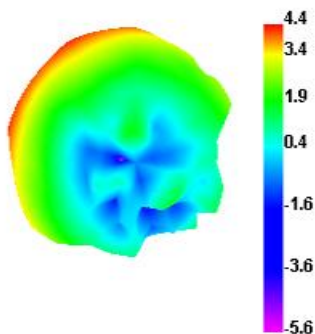
2500.000MHz H



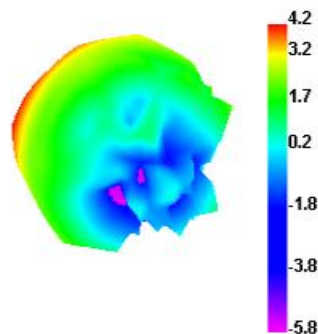
5150.000MHz



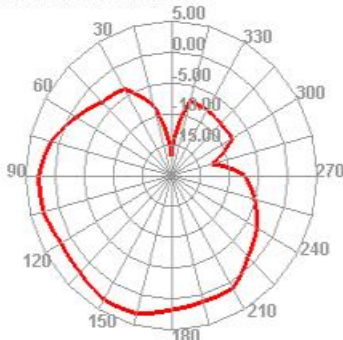
5500.000MHz



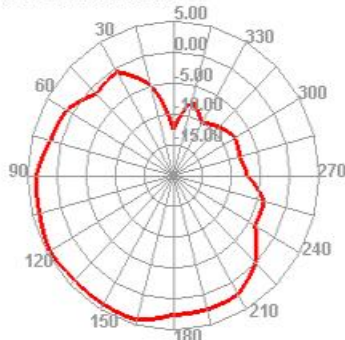
5850.000MHz



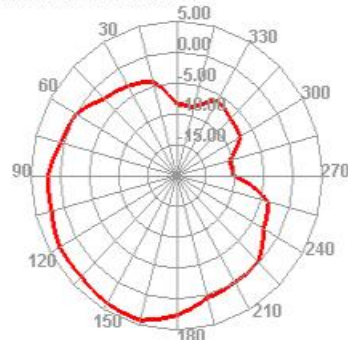
5150.000MHz H



5500.000MHz H



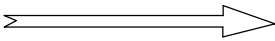
5850.000MHz H



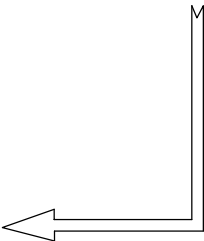
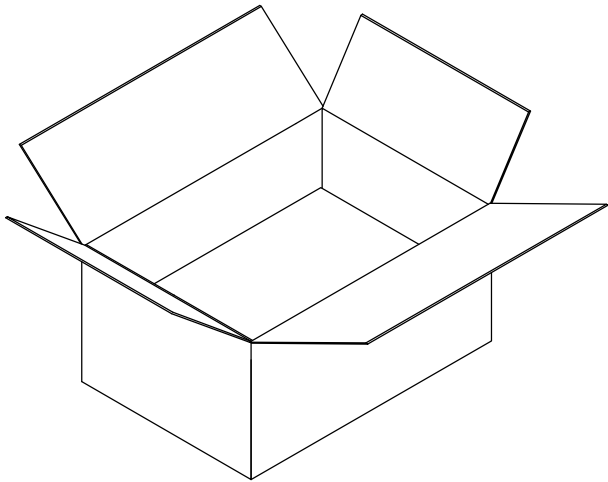
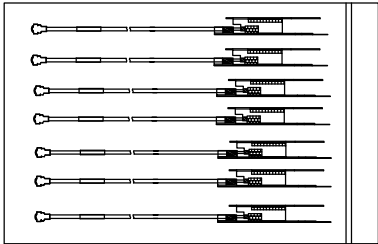
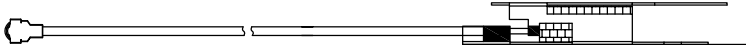


成品名称：N124项目内置天线包装	版本：A
	客户：智微

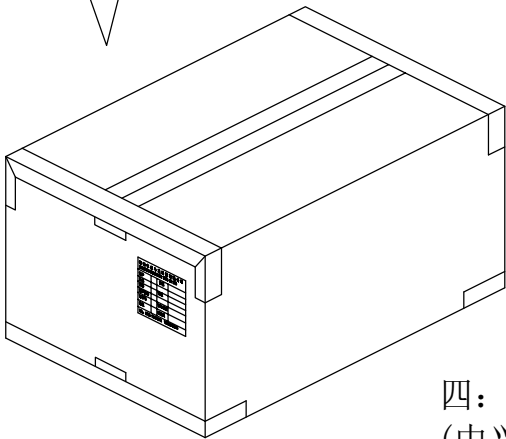
一：成品天线



二：装袋，每PE袋装50PCS产品。



三：装箱，每箱5000PCS (以实际包装为准)。



四：封箱，外箱贴我司生产标签
(中兴不用额外贴RoHS、无铅、Pb等标识)。