



承 认 书

APPROVAL SHEET

客户名称 Customer Name RSR

产品型号 Product Model BAR800MK2

客户料号 Customer P/N

规格描述 Specifications WIFI-1 ANT

南斗星料号 Southstar P/N 3. N204. 0433

制作日期 Production date 2025. 2. 13

制作版本 Revision 3. 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)

制造厂商：南斗星科技香港有限公司 (Manufacturer:South Star Technology Hong Kong Co., Ltd)

办公地址：深圳市宝安区福海街道新和社区宝安大道 6099 号星港同创汇天枢座 803 (Office Address: Room 803, Xinggang Tongchuang Hui Tian

Shu Building, No. 6099 Bao'an Avenue, Xinhe Community, Fuhai Street, Bao'an District, Shenzhen)

制造地址：广东省东莞市虎门镇赤岗南坊一路 3 号 (Manufacturing address: No. 3, Chigang Nanfang 1st Road, Humen Town, Dongguan City,

Guangdong Province)

电话 (Telephone)：0755-27474071 0769-88086190

网站 (website)：//www.southstar-tech.com



承认书变更履历

Confirmation of Change of Resume

版本 version	日期 date	变更描述 Change description	备注 notes
1.0	2024.10.8	初版 First edition	
2.0	2024.11.11	变更海绵尺寸 Change the size of sponge	
3.0	2025.2.13	变更海绵尺寸 Change the size of sponge	客户需求 customer demand



目 录

Index

一、封面 (Cover)	1
二、版本记录 (Colophon)	2
三、目录 (Index)	3
四、基本参数 (The basic parameters)	4
五、工程图纸 (Product Drawing)	5
六、测试设备 (Test Equipment & Conditions)	6
七、测试报告 (Test Report)	7-9
八、包装方式 (Packing method)	10

基本参数 (The basic parameters)

A. 电性能Electrical Characteristics	
Frequency 频率	2400MHz~2500MHz 5150MHz~5850MHz 5925MHz~7125MHz
VSWR 电压驻波比	< 2
AVG. Efficiency 效率	>40%
Impedance 阻抗	50 Ohm
Polarization 极化	Linear
Peak Gain 最大增益	2400MHz~2500MHz 2.18dBi 5150MHz~5850MHz 3.11dBi 5925MHz~7125MHz 3.78dBi
Antenna type 天线类型	Monopole
B. 材料&物理性能Material & Mechanical Characteristics	
射频材料 Material of Radiator	FPC Black
射频线类型 Cable Type	1.13mm White
接头类型 Connector Type	1 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

测试设备 (Test Equipment & Conditions)

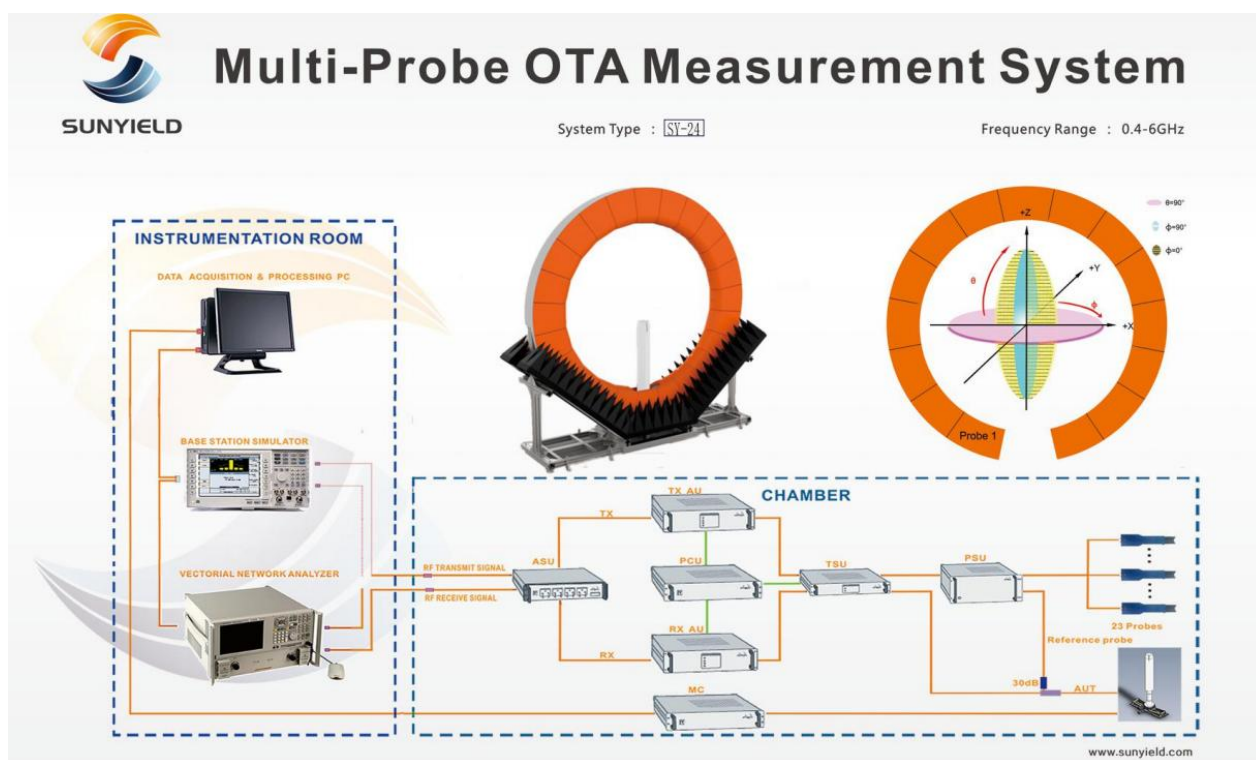
1. 网络分析仪 NetWork Analyzers:

Keysight E5071C

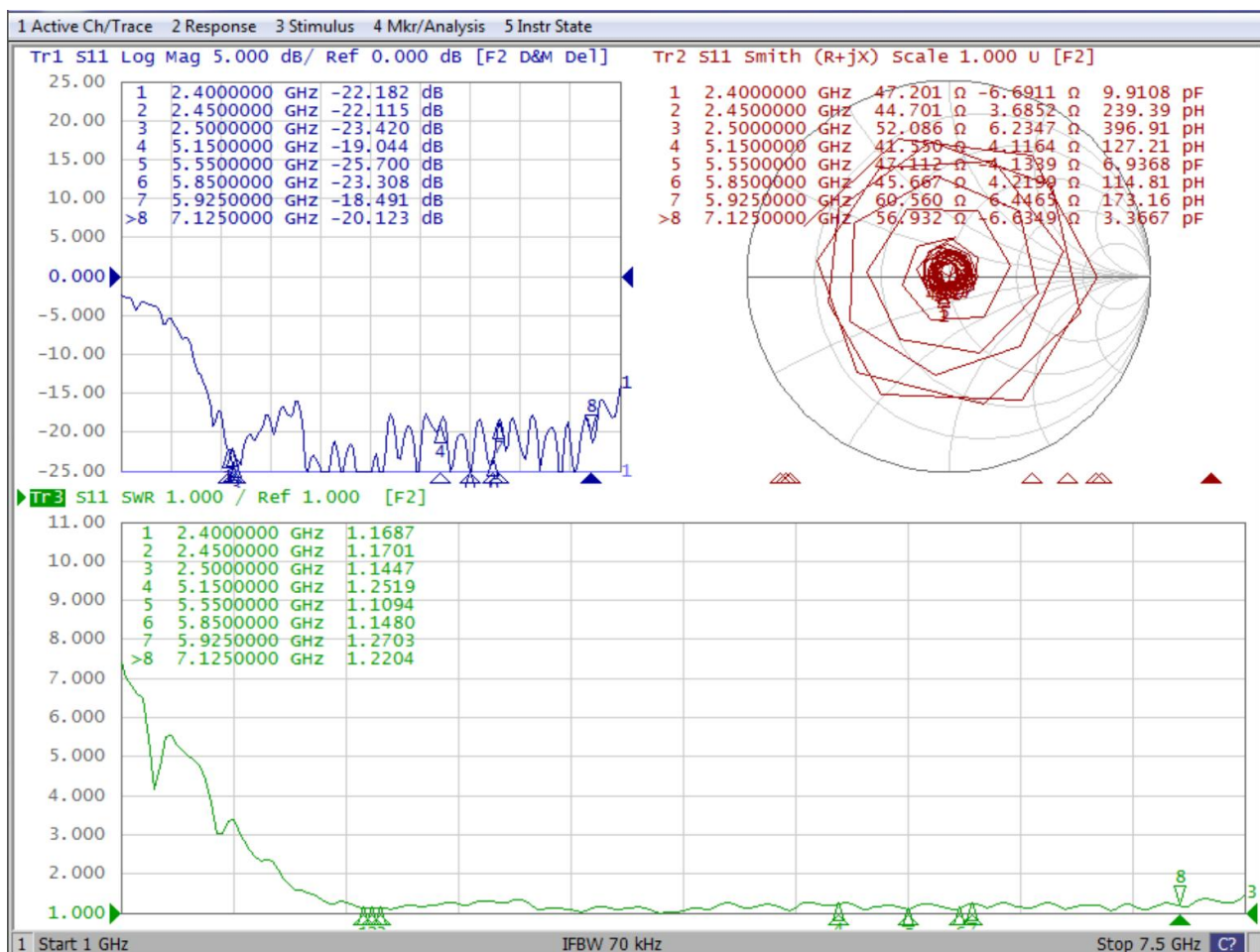
2. 综合测试仪 Comprehensive tester:

CMW500 、 MT8000A、 MT8862A

3. 3D 暗室测试系统 3D Chamber Test System:



天线阻抗Antenna Impedance: S11



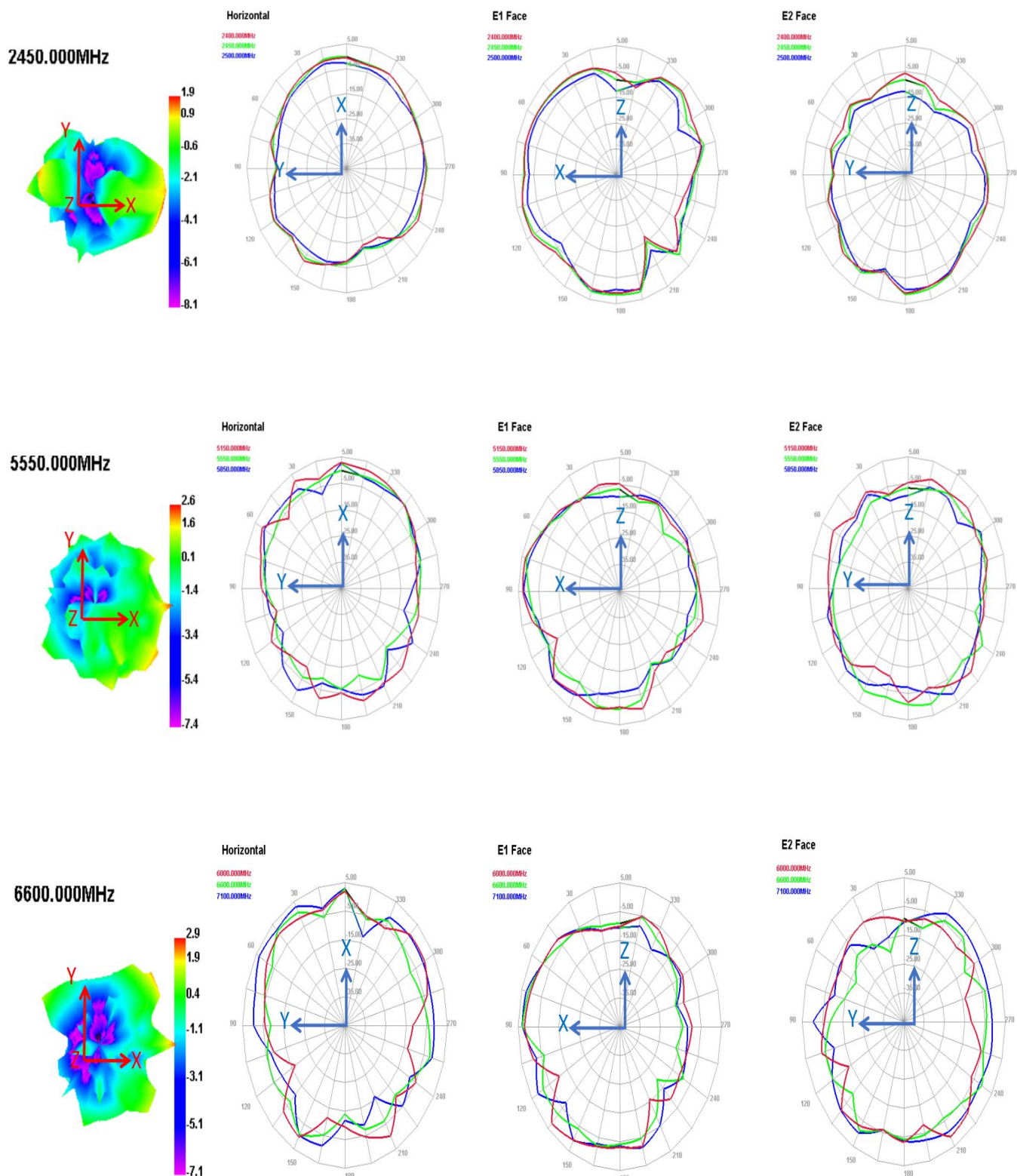
效率&增益Efficiency & Gain:

Freq (MHz)	Effi (%)	Peak Gain (dBi)
2400	46.33	2.18
2410	45.01	2.09
2420	44.39	1.85
2430	43.95	1.97
2440	42.95	1.88
2450	42.78	1.93
2460	41.95	2.09
2470	41.52	2.11
2480	41.11	2.13
2490	40.38	1.89
2500	40.29	1.74
avg.	42.79	

Freq (MHz)	Effi (%)	Peak Gain (dBi)
5150	42.43	3.11
5200	43.88	2.78
5250	43.91	2.69
5300	42.65	2.77
5350	42.32	2.76
5400	41.83	2.91
5450	40.69	2.83
5500	39.19	2.74
5550	39.68	2.61
5600	38.81	2.82
5650	39.27	3.03
5700	39.61	2.31
5750	40.88	2.32
5800	41.64	2.57
5850	43.45	2.93
avg.	41.35	

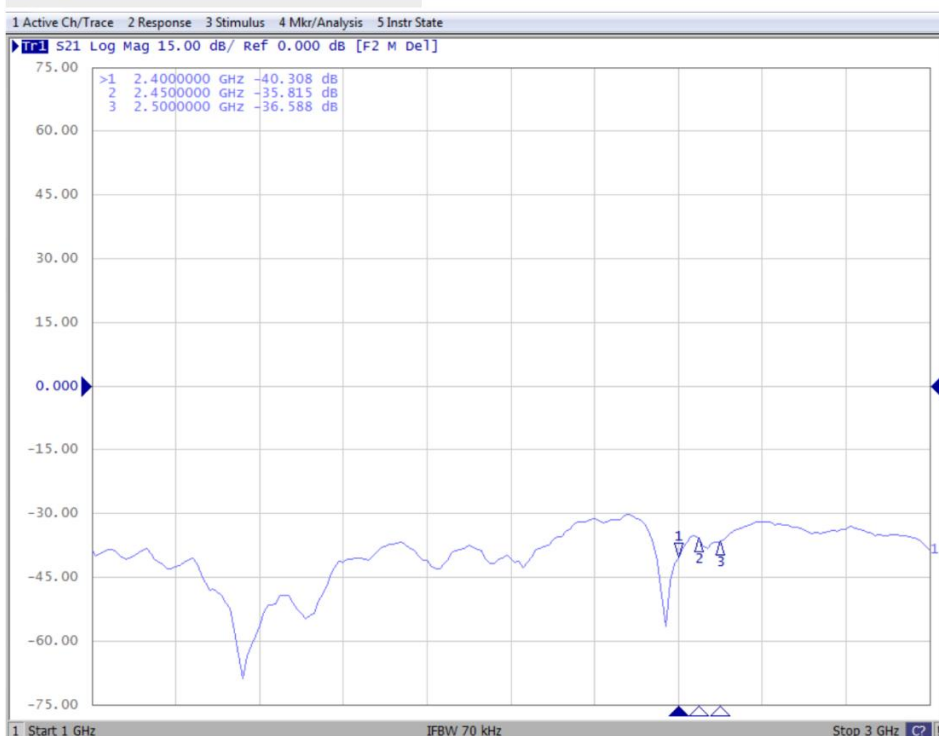
Freq (MHz)	Effi (%)	Peak Gain (dBi)
5900	39.61	2.27
6000	40.25	3.47
6100	39.51	3.06
6200	40.72	3.32
6300	41.45	3.23
6400	40.92	3.01
6500	39.68	3.16
6600	39.29	2.94
6700	40.01	3.35
6800	41.92	3.78
6900	41.63	3.26
7000	42.17	3.54
7100	41.76	3.36
7200	41.55	3.29
avg.	40.75	

天线3D&2D方向图Antenna 3D & 2D pattern:



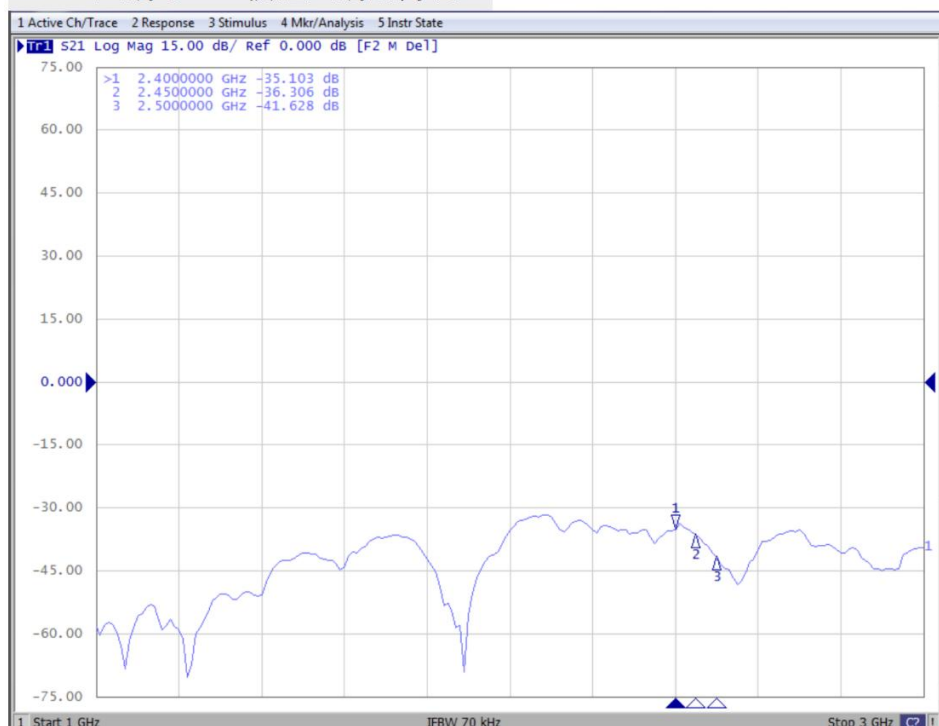
隔离度 Isolation:

BT天线与WIFI-1天线隔离度:



频率 (MHz)	S21(dB)
2400	-40
2450	-35
2500	-36

WIFI-1天线与R-RX模组天线隔离度:



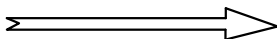
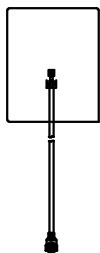
频率 (MHz)	S21(dB)
2400	-35
2450	-36
2500	-41

成品名称：BAR800MK2 WiFi-1 天线

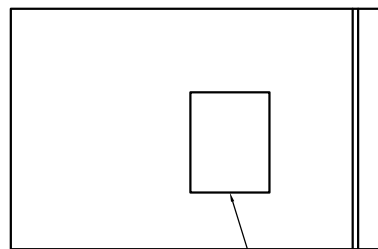
版本：A

客户：悦辰

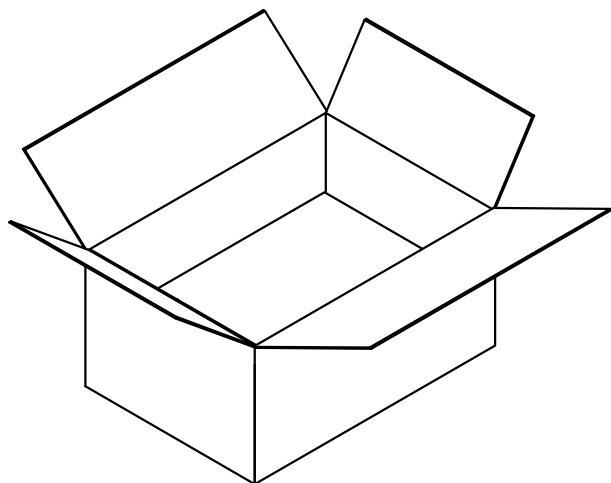
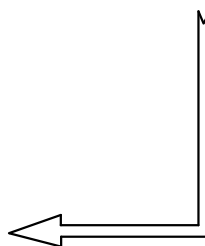
一：成品天线



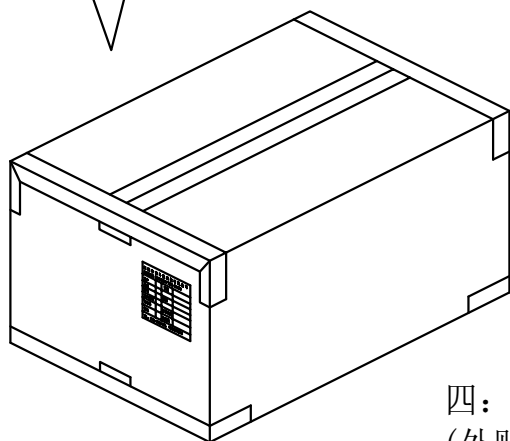
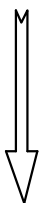
二：装袋，每PE袋装50PCS产品.



贴标签



三：装箱(以实际包装为准)。



四：封箱，外箱贴我司生产标签
(外贴RoHS、无铅等标识)。