



样品封订

承 认 书

APPROVAL SHEET

客户名称 Customer Name 多酷科技

产品型号 Product Model M3000

客户料号 Customer P/N

规格描述 Specifications 内置 2.4G 天线, 3.8dBi, 1.37 白色馈线 L=140mm

南斗星料号 Southstar P/N 3.N101.1077

制作日期 Production date 2023.05.25

制作版本 Revision V1.0

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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承认书变更履历

版本	日期	变更描述	备注
V1.0	2023.05.25	初版规格书	

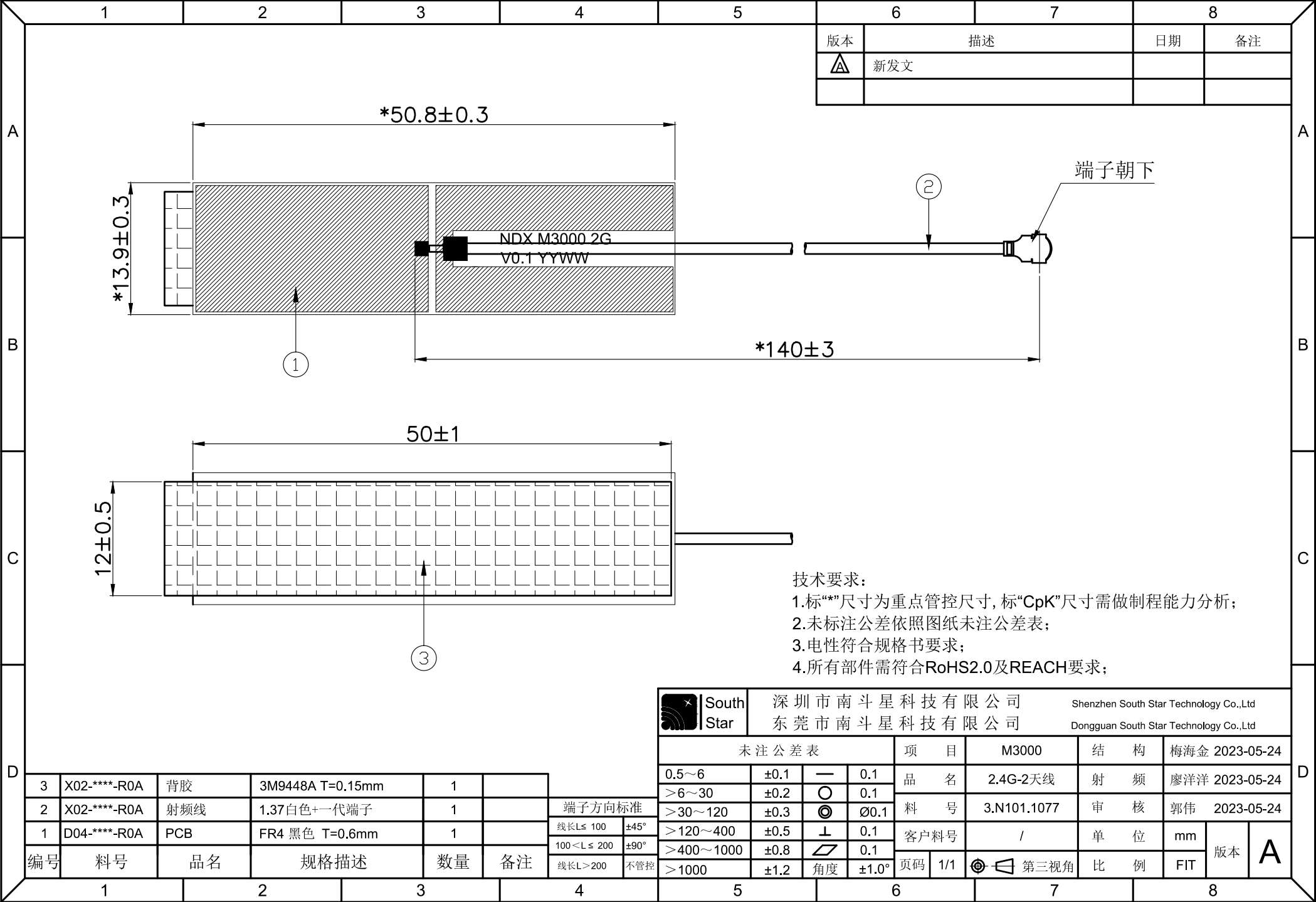
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A. 电性能Electrical Characteristics	
Frequency 频率	2400MHz ~ 2500MHz
VSWR 电压驻波比	≤2
Efficiency 效率	2450MHz @77.75%
Impedance 阻抗	50 Ohm
Polarization 极化	Linear
Gain 增益	2450MHz @3.8dBi
Note 备注:	
B. 材料&物理性能Material & Mechanical Characteristics	
射频材料 Material of Radiator	PCB
射频线类型 Cable Type	1.37mm White
接头类型 Connector Type	一代端子
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):

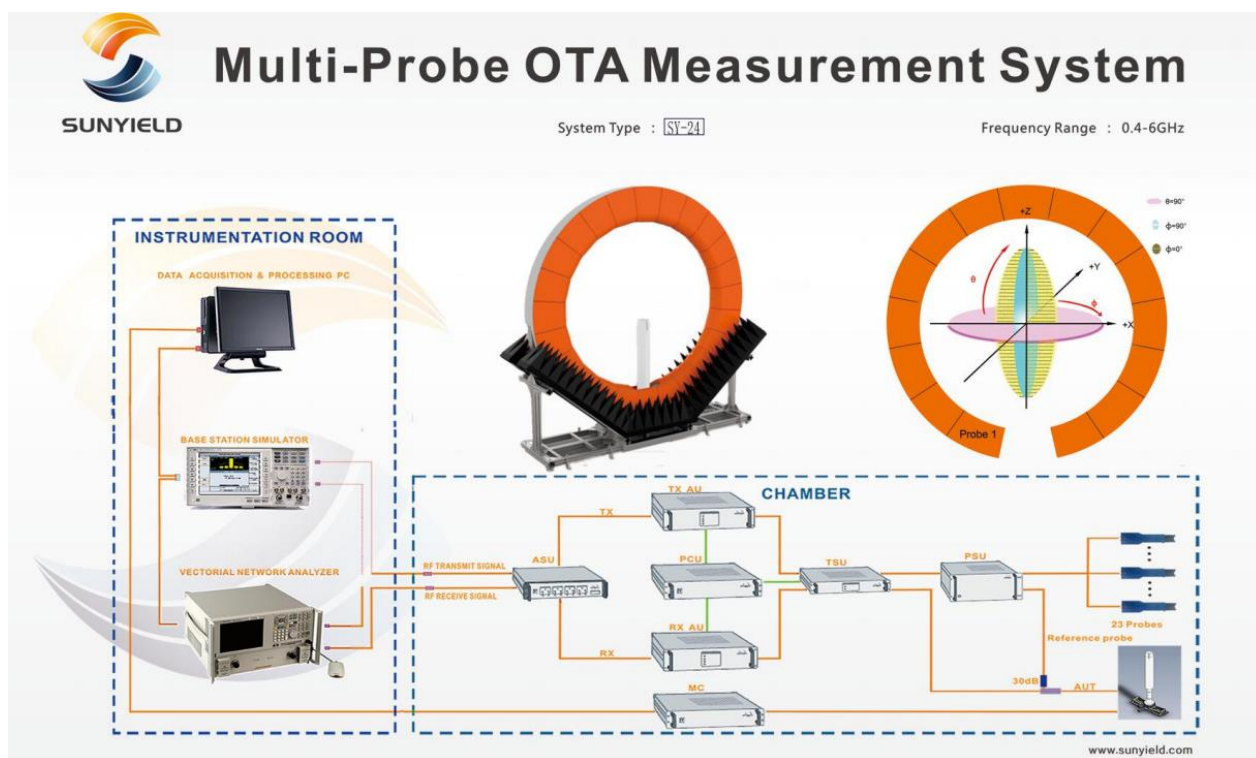
1. 网络分析仪 NetWork Analyzers:

Keysight E5071C

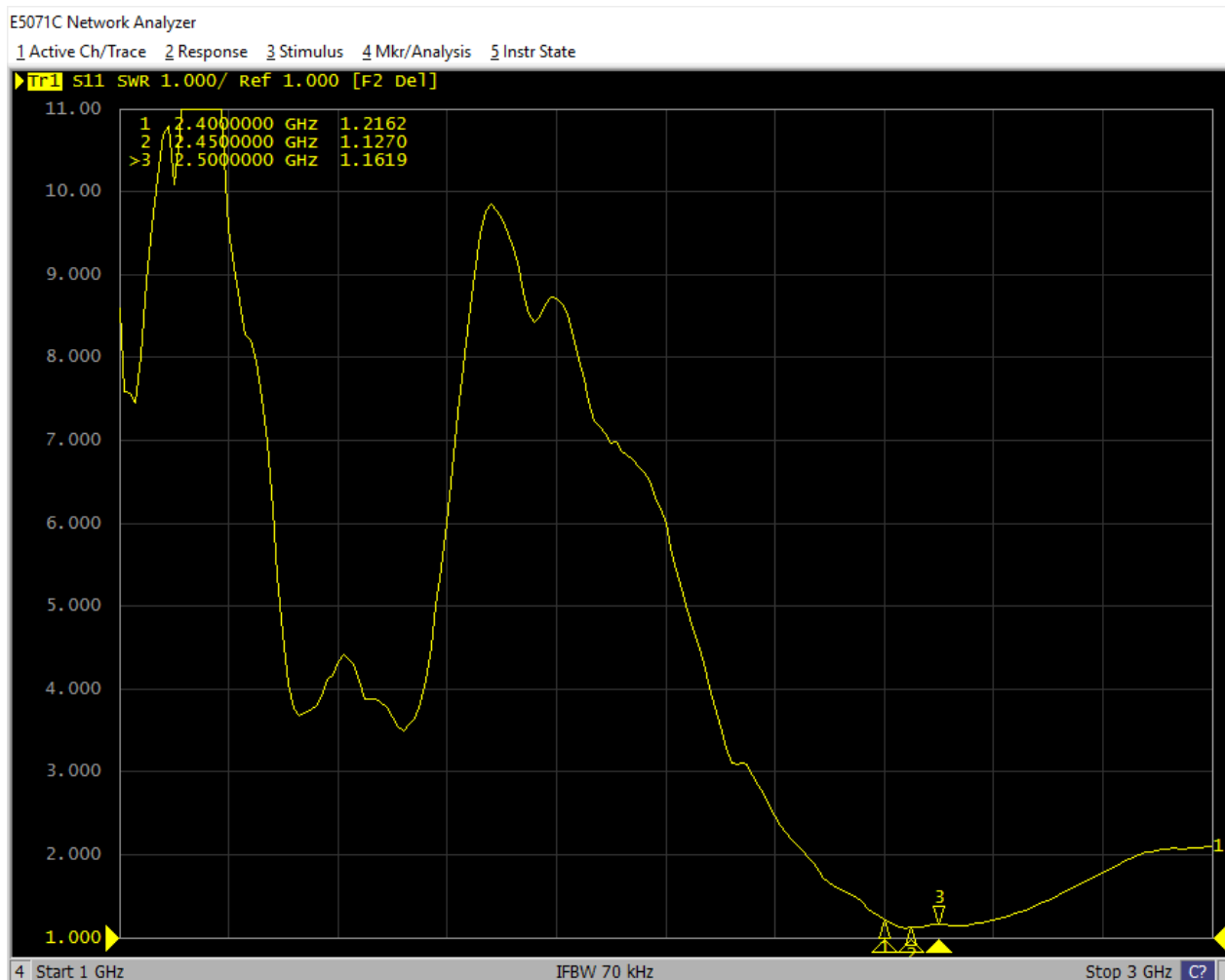
2. 综合测试仪 Comprehensive tester:

CMW500 、 MT8000A、 MT8862A

3. 3D 暗室测试系统 3D Chamber Test System:



天线阻抗 (Antenna Impedance): S11

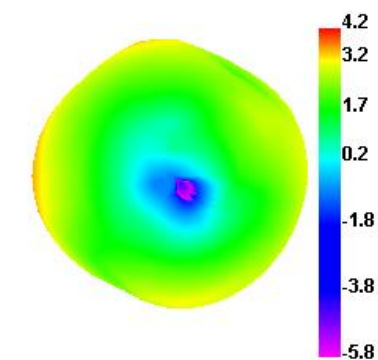


效率&增益(Efficiency & Gain):

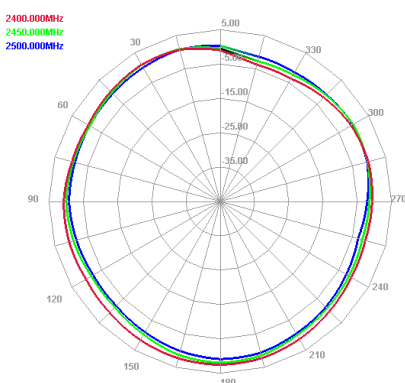
Freq (MHz)	Effi (%)	Gain (dBi)
2400	74.81	4.18
2410	75.6	4.22
2420	75.4	4.25
2430	76.94	4.13
2440	77.69	3.97
2450	77.75	3.8
2460	76.43	3.85
2470	75.97	3.91
2480	75.55	3.82
2490	76.79	3.85
2500	75.38	3.8

天线3D&2D方向图(Antenna 3D & 2D pattern):

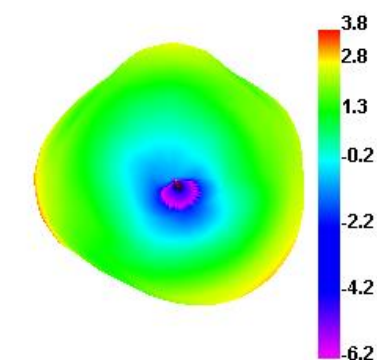
2400.000MHz



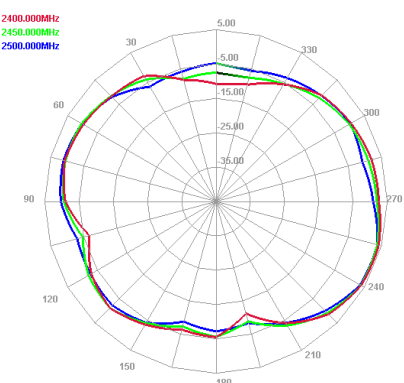
Horizontal



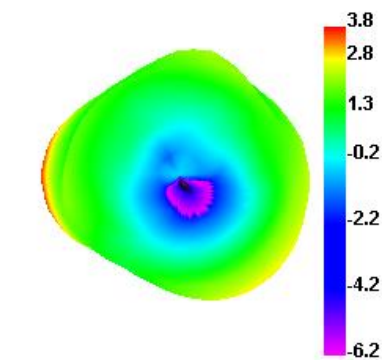
2450.000MHz



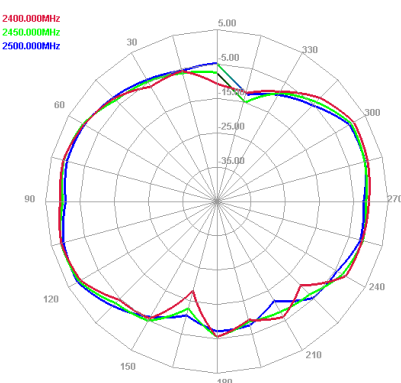
E1 Face



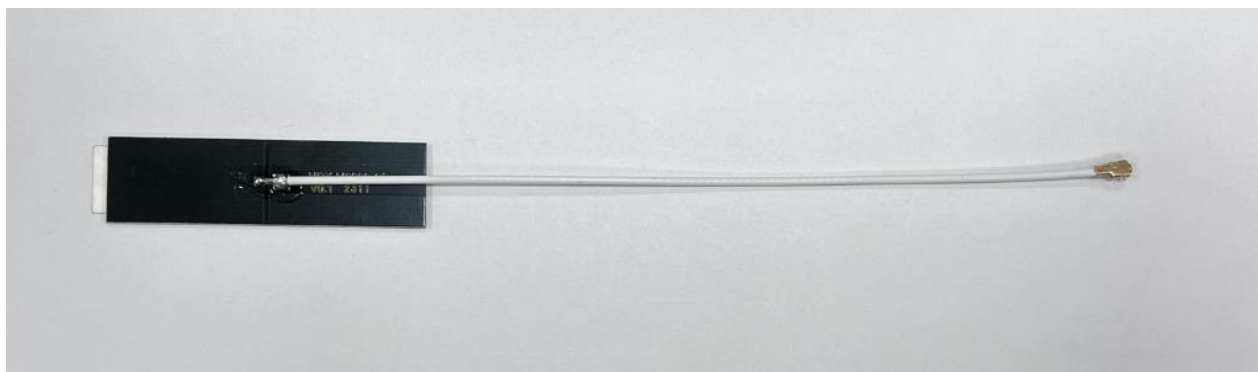
2500.000MHz



E2 Face



天线装配图片 (antenna assembly picture) :



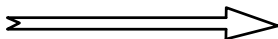
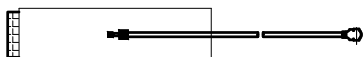


成品名称：M3000天线

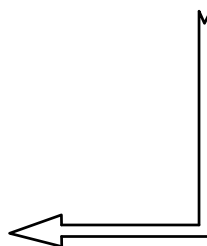
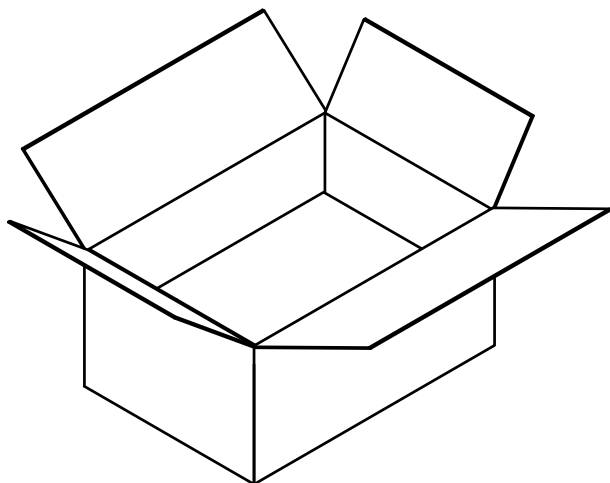
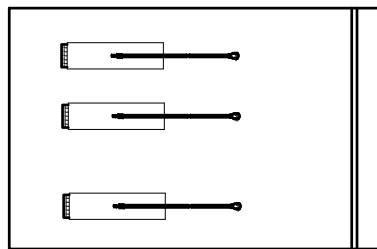
版本：A

客户：多酷

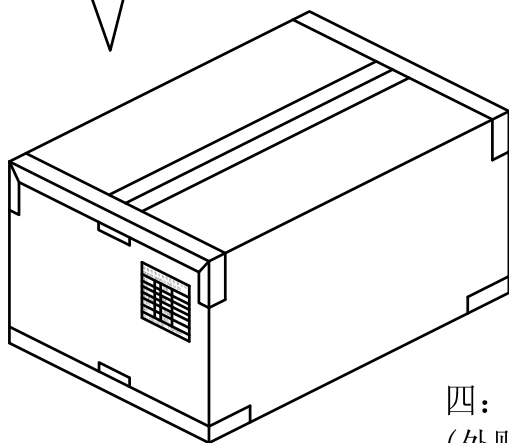
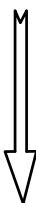
一：成品天线



二：装袋，每PE袋装100PCS产品。



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、Pb等标识)。