

# 承认书

客户确认 CUSTOMER APPROVED BY		
批准 Approved by	审核 Checked by	制表 Prepared by
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供方确认 SUPPLIER APPROVED BY		
批准 Approved by	审核 Checked by	制表 Prepared by

**供应商名称:** 欧智通科技股份有限公司

**供应商地址:** 深圳市宝安区西乡街道共乐社区铁仔路50号凤凰智谷B座14层

**供应商工厂:** 湖南省长沙市浏阳经济开发区利通路8号

**供应商电话:** 86-755-2955-8186

**供应商网址:** www.fn-link.com

## 天线测试报告

antenna testing

客户 Customer	科沃斯
项目名称 Project Name	4A8-1100-2300
客户料号 Customer NO.	
规格 specification	FPC天线 4A8-1100-2300 哑黑油白字；尺寸32X10MM；线长175MM线径1.13黑色；带1代IPEX；ROHS
供方料号 Supplier NO.	1A4A8-1100-2300-00
规格书编号 Specification NO.	
编写人 Write by	潘益林
版本 REV.	Ver.1
日期 Date	2024-7-10
备注 Note	



## 1. 承认书项目表 (Index)

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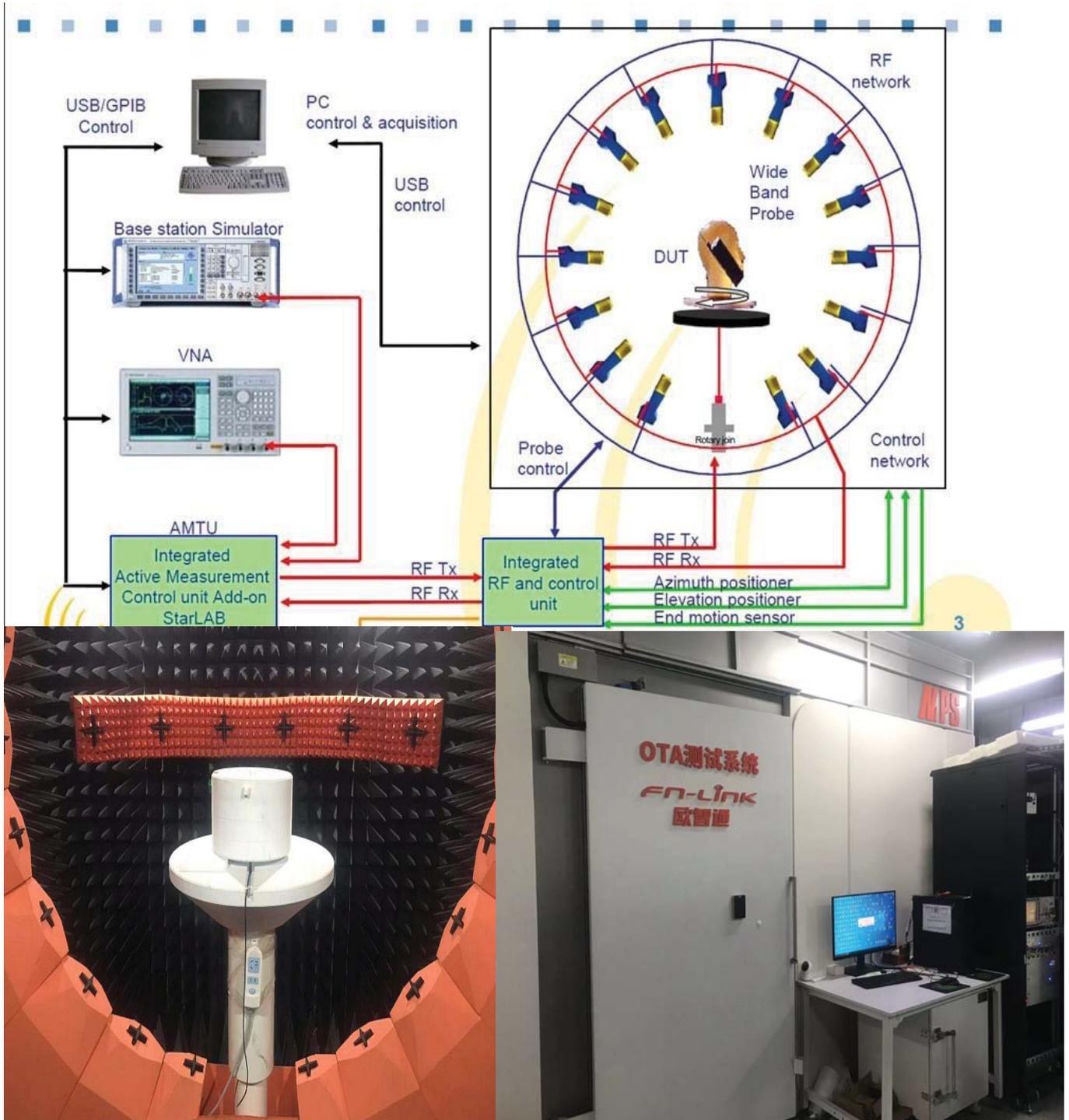
# 1. 试验设备和条件(Test Equipment & Conditions)

1.1. Network Analyzers : KEYSIGHT P5002A

1.2. Communications Test Set: R&S CMW 500

1.3. 3D Chamber Test System: 24探头测试系统

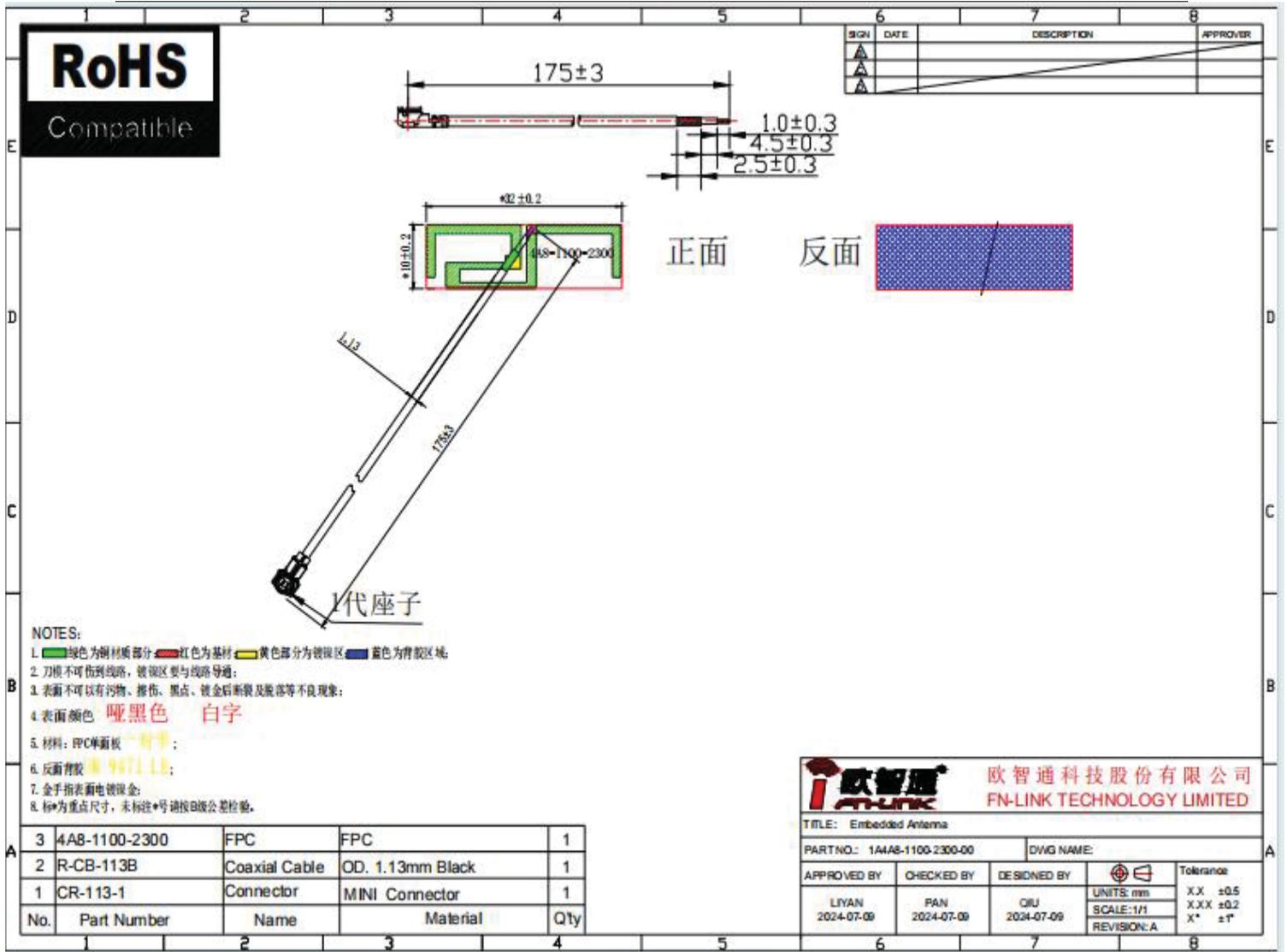
## 1. 微波暗室的测试原理图



## 2. 说明。

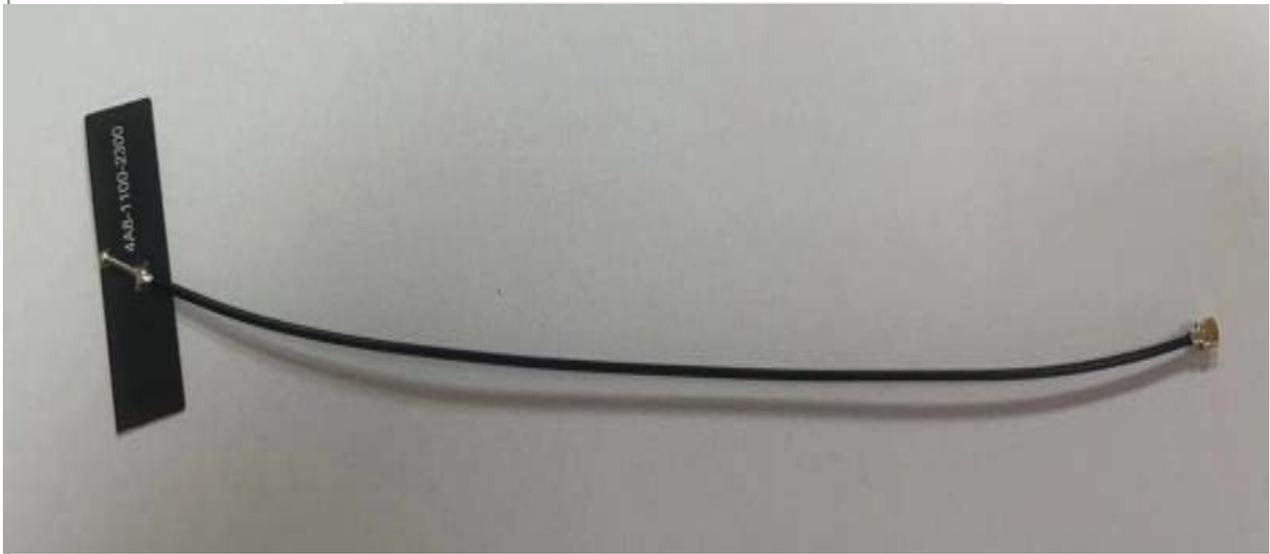
这份报告总结了该项目天线的电气性能结果，包括天线的S11 参数,Gain和Efficiency.

# 天线2D图



## 天线2D图

### Sample Photo



#### A. Electrical Characteristics

Frequency	2400 ~ 2500 MHz 5150 ~ 5850 MHz
V.S.W.R.	$\leq 2.0$
Antenna Gain	2400 ~ 2500 MHz ~ <b>2.55dBi</b> 5150 ~ 5850 MHz ~ 3.9dBi
Efficiency	2400 ~ 2500 MHz ~ 67% 5150 ~ 5850 MHz ~ 51%
Polarization	Linear
Impedance	50 Ohm

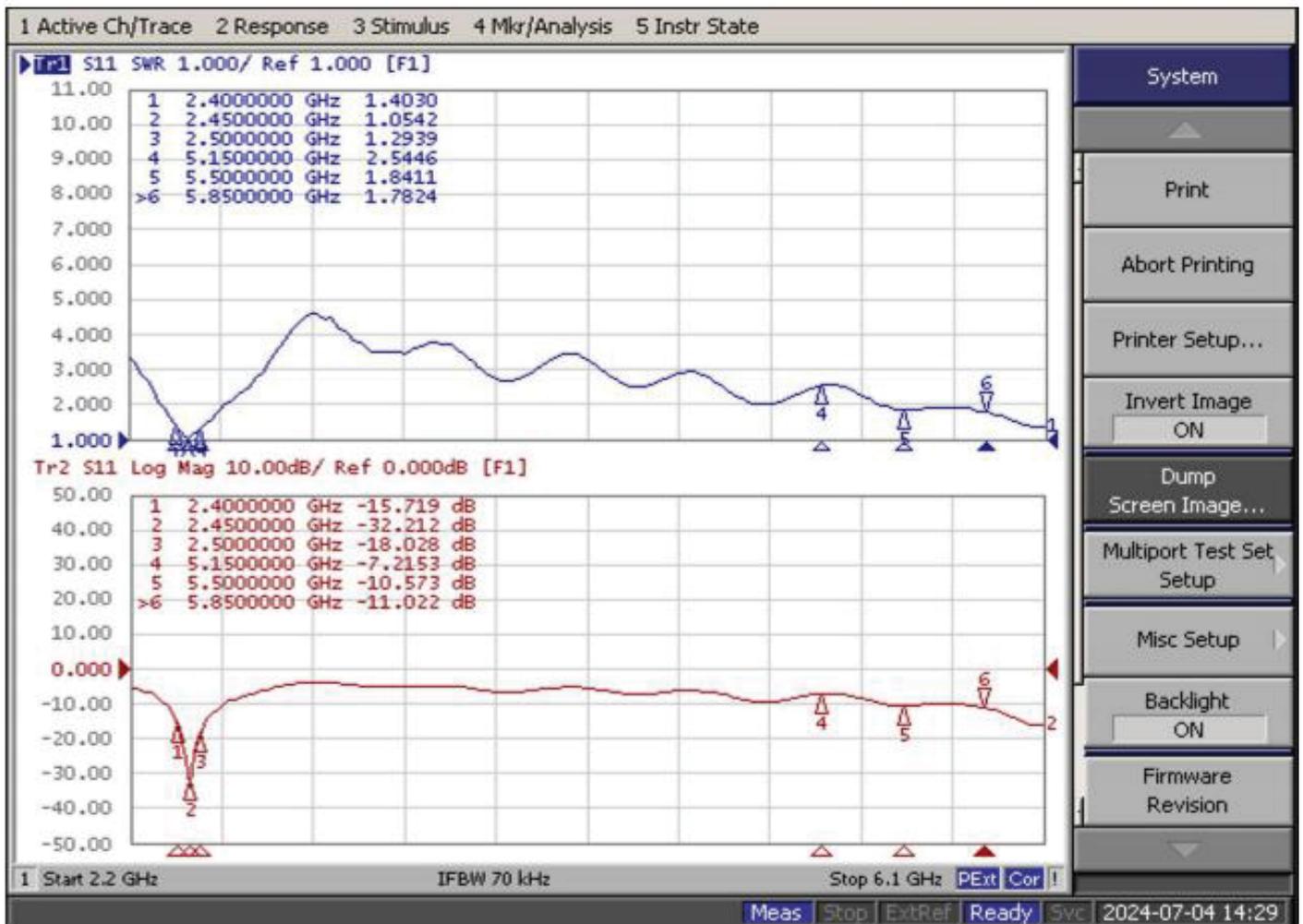
#### B. Material & Mechanical Characteristics

Material of Radiator	FPC
Cable Type	O.D. 1.13 mm

#### C. Environmental

Operation Temperature	- 40 °C ~ + 65 °C
Storage Temperature	- 40 °C ~ + 80 °C

# WiFi--天线S11

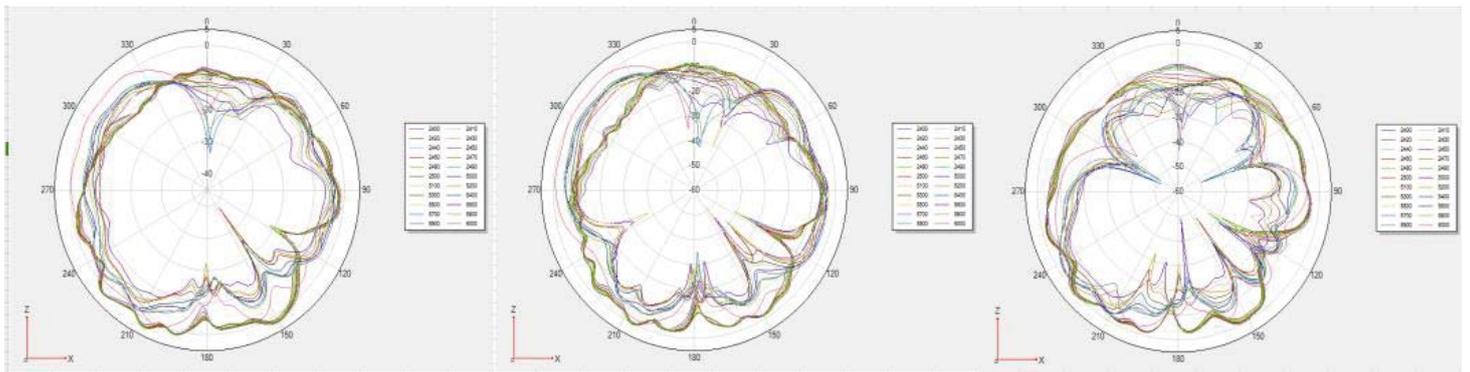


Freq/GHz	2400	2450	2500	5100	5500	5850
VSWR	1.3	1.0	1.2	2.5	1.8	1.7

## WiFi天线-测试数据:

Frequency (MHz)	Directivity(dB)	Gain(dB)	Efficiency(dB)	Efficiency(%)
2400	5.9801	2.4561	-3.0241	49.8419
2405	6.0209	2.4291	-3.0918	49.0705
2410	5.7937	2.3414	-3.1523	48.3915
2415	5.6209	2.2465	-3.3744	45.9793
2420	5.5144	1.9033	-3.611	43.5408
2425	5.2956	1.8121	-3.4836	44.8375
2430	5.3697	2.1074	-3.2622	47.1819
2435	5.2773	2.0437	-3.2337	47.4934
2440	5.3171	2.1685	-3.1485	48.4335
2445	5.4988	2.4467	-3.052	49.522
2450	5.653	2.4834	-2.9696	50.4703
2455	5.6664	2.4792	-3.1872	48.0044
2460	5.8356	2.4054	-3.4303	45.3912
2465	5.744	2.4094	-3.3345	46.4031
2470	5.7464	2.3954	-3.151	48.4058
2475	5.4233	2.548	-2.8753	51.5789
2480	5.3307	2.347	-2.6608	54.1903
2485	5.3289	2.4806	-2.5483	55.6126
2490	5.3583	2.4112	-2.4471	56.9233
2495	5.1763	2.378	-2.4983	56.256
2500	5.1567	2.4372	-2.6194	54.7088

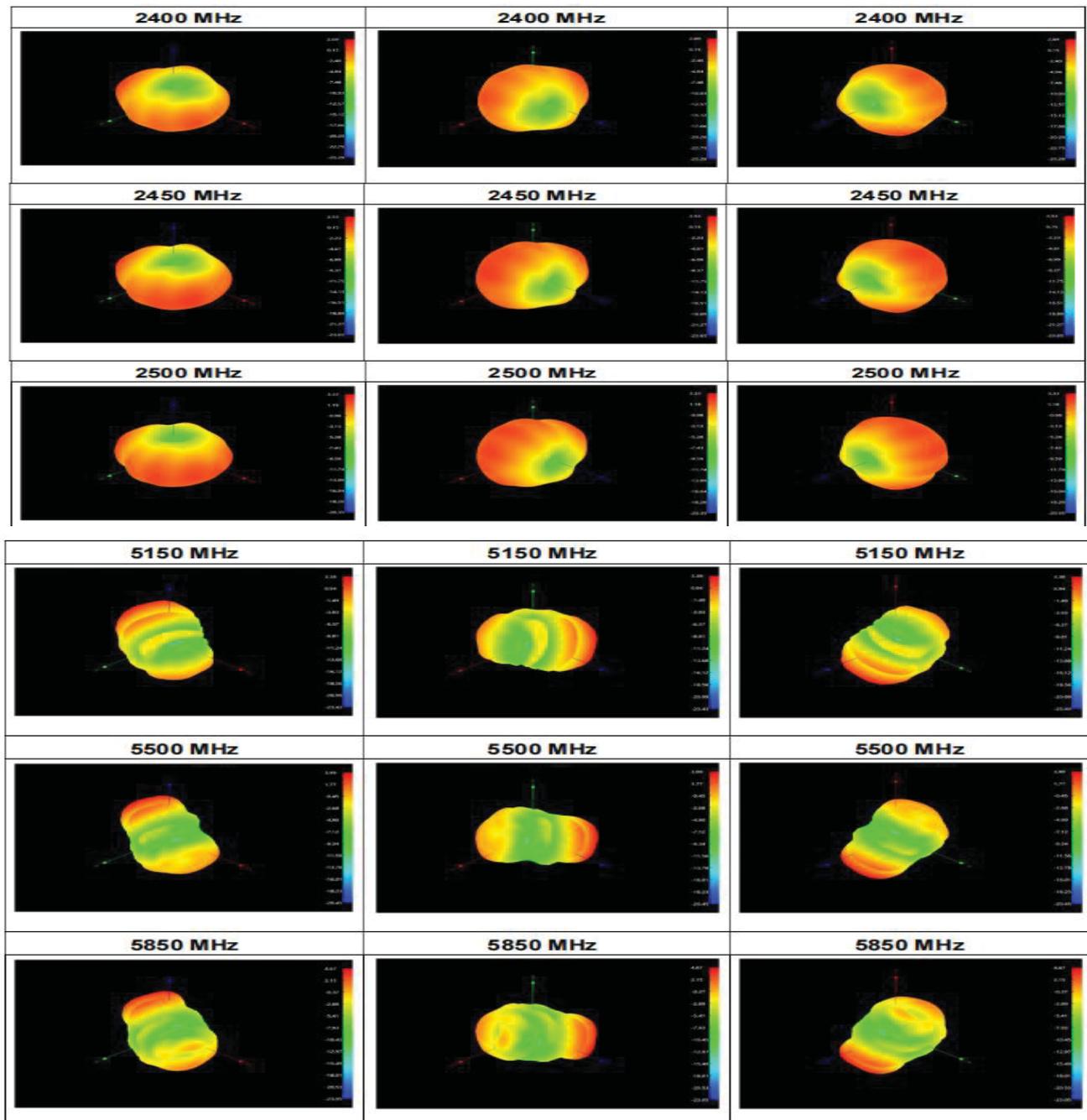
# WiFi天线-2.4G方向图苹果图：



Z-X

Z-Y

X-Y



# 产品包装规范

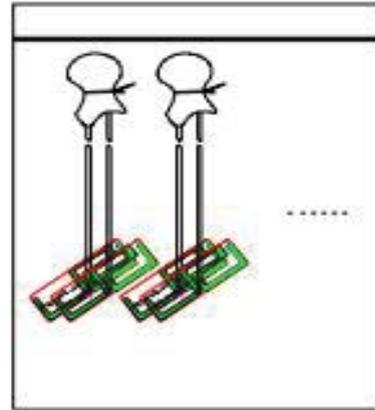
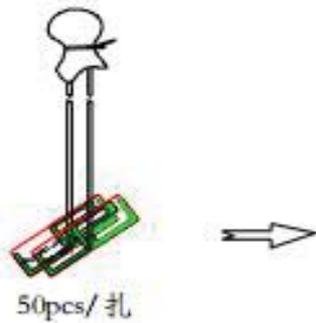
## PACKING CRITERION

Date: 2024-07-09

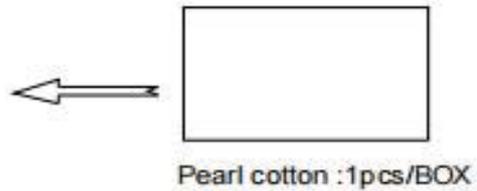
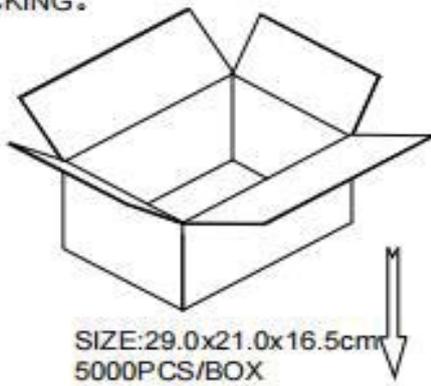
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Part Number : 1A4A8-1100-2300-00	Revision : A
Name: Embedded Antenna	Customer : ALL

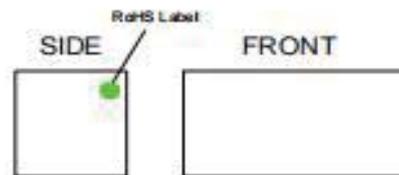
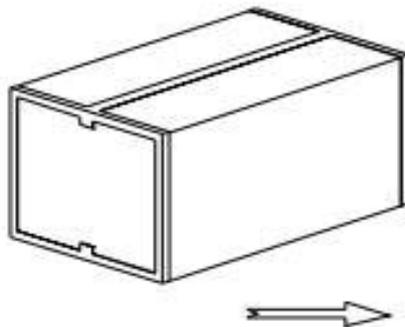
1.



2. PACKING.



3. SEALING.



APPROVED BY: LI YAN

CHECKED BY: PAN

DESIGNED BY: QIU