Modification History

Version	Content Revision	Issued by	Date
A	Original version	Huang	2025-2-26

Content

ltem ***Description***

1.----------Electrical Specification

2.----------Test Items and Equipment

3.----------S Parameter

4.----------Efficiency and Gain

5.----------Radiation Pattern

6.----------Antenna installation diagram

7.----------Mechanical Specification

8.----------Packaging

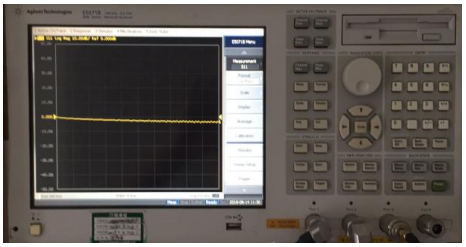
9.----------Full Size TesReport

1. Electrical Specification

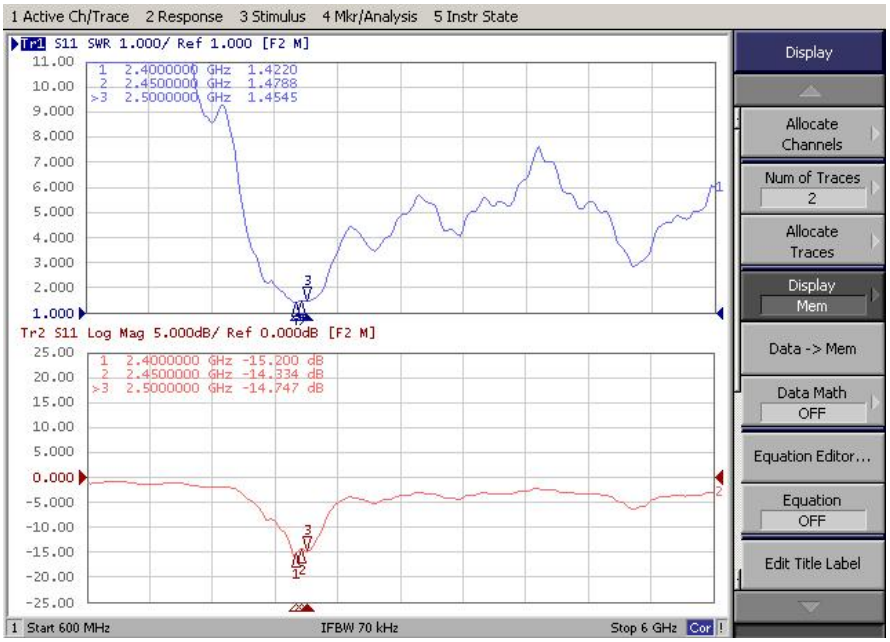
Characteristics	Specifications	Unit
Outline Dimensions	28x27.4,L60	mm
Frequency	2400-2500	MHz
Impedance	50	Ω
VSWR	< 2	
Polarization	Linear Polarization	
Gain	4.36	dBi
Efficiency	>50	%
Connector Type	RF 1	
Operating temperature	-25℃~+85℃	
Storage Temp	-25℃~+50℃	

2.Test Items and Equipment

	Test items	Test equipment
S Parameter	1.Return Loss 2.VSWR	Network analyzer (Agilent E5071B)
The whole machine of Passive parameters	1.Frequency 2.Gain 3.Radiation Pattern	1.3D microwave darkroom (5m*5m*5m) 2.Network analyzer (Agilent E5071B)
The whole machine of Active parameters	1.TRP 2.TIS	1.3D microwave darkroom (5m*5m*5m) 2.Comprehensive test instrument (CMW500)



3. S Parameter

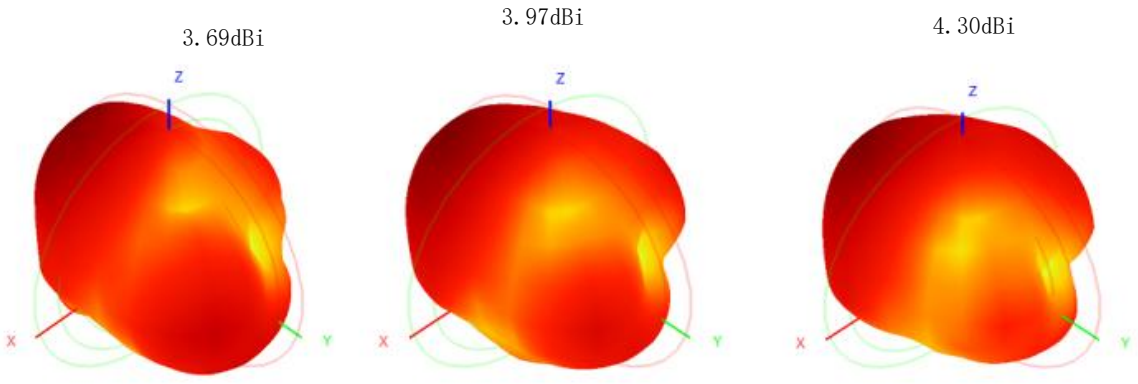


4. Efficiency and Gain

Frequency / MHz	Efficiency / %	Gain/ dBi
2400	56.72	3.69
2410	57.30	3.71
2420	59.78	3.86
2430	59.83	3.82
2440	62.31	4.04
2450	57.95	3.97
2460	56.89	4.17
2470	54.43	4.16
2480	54.81	4.29
2490	56.48	4.36
2500	58.24	4.30

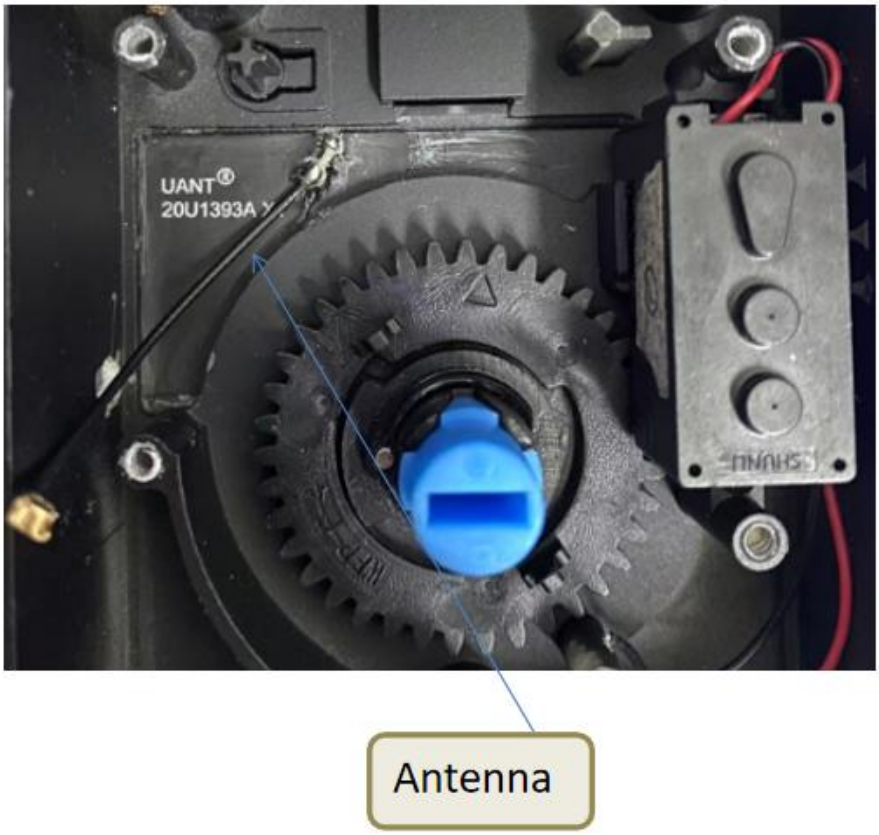
5. Radiation Pattern

Antenna 3D Radiation Pattern

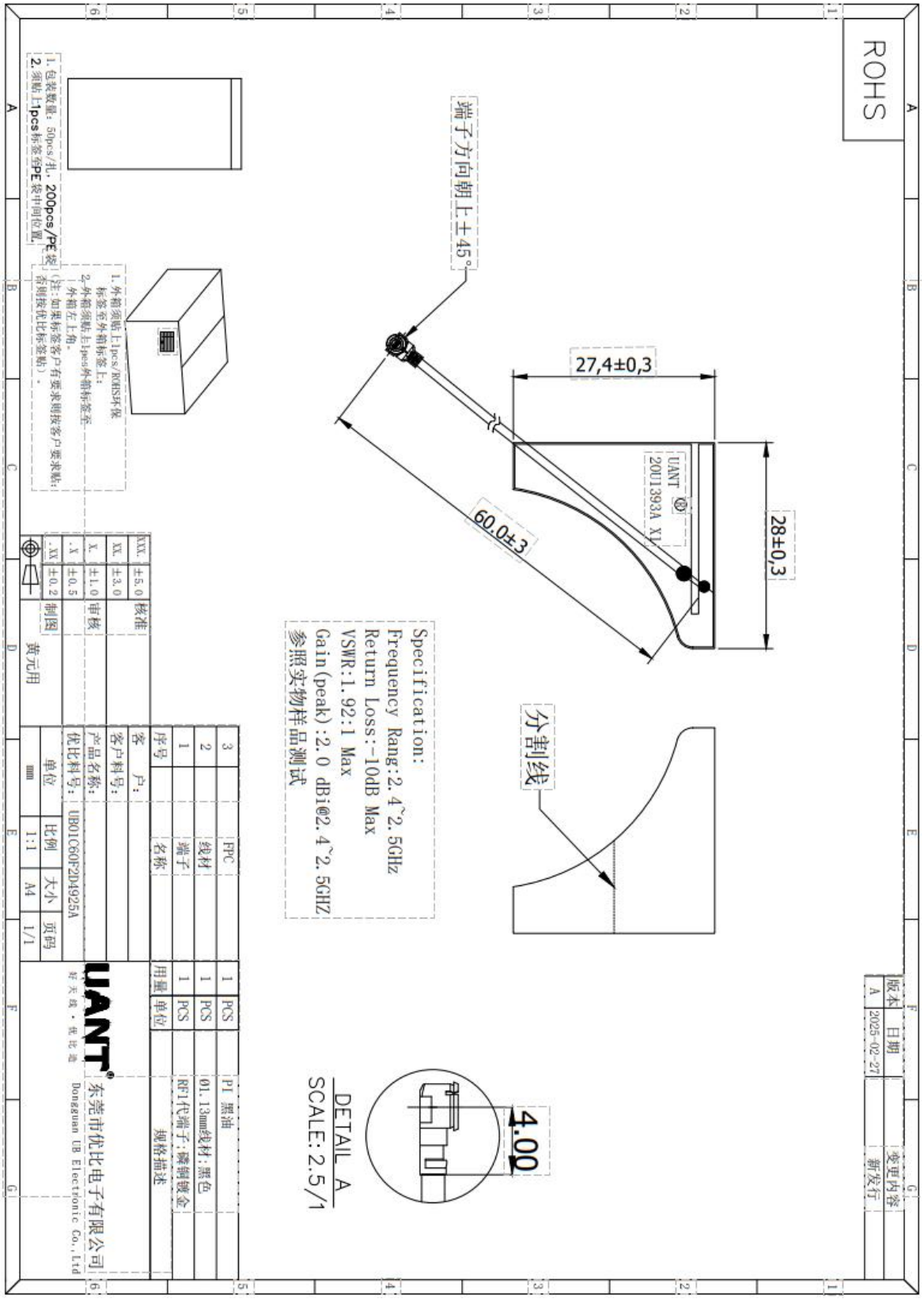


2400MHz 2450MHz 2500MHz

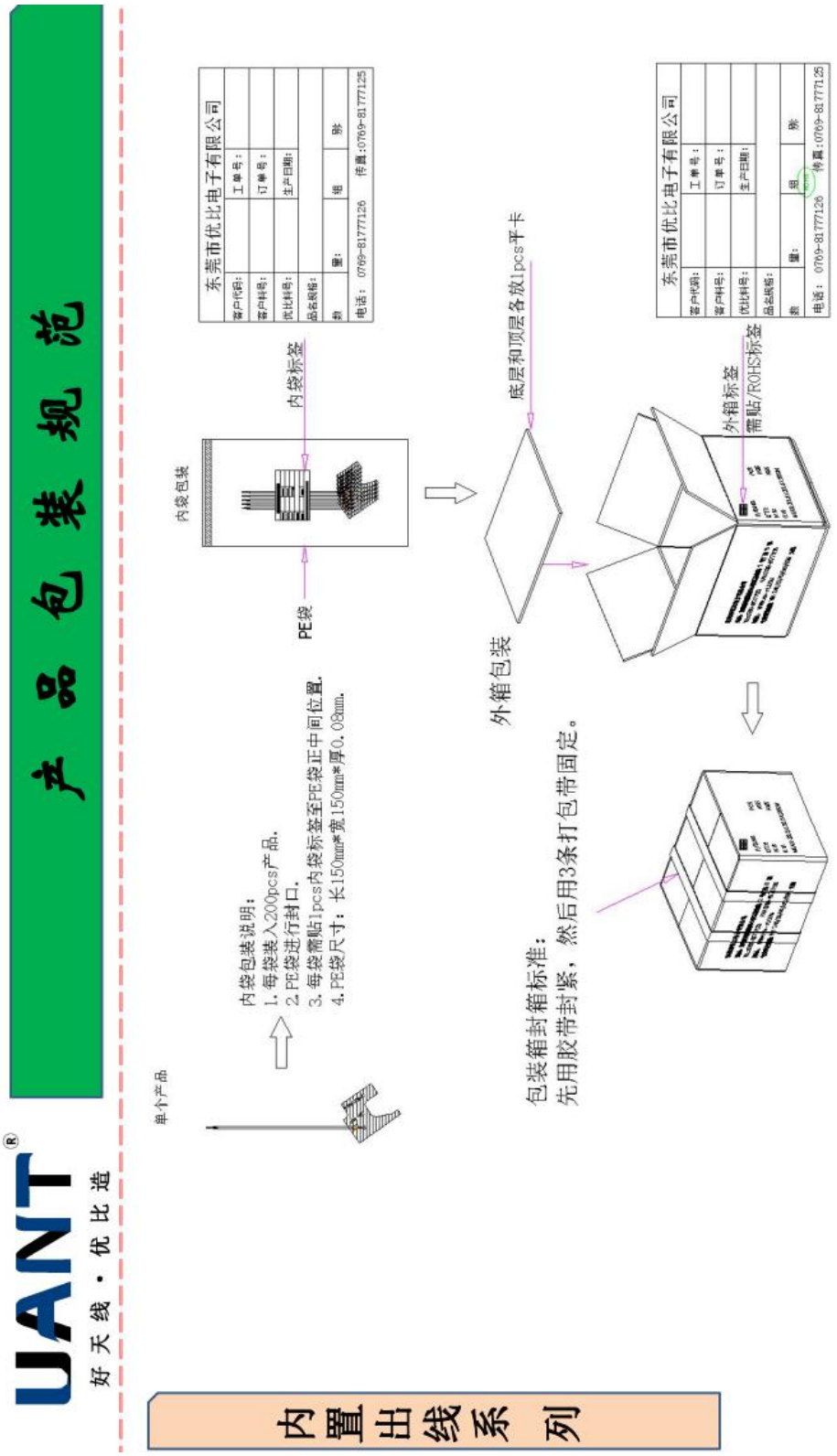
6. Antenna installation diagram



7.MechanicalSpecification



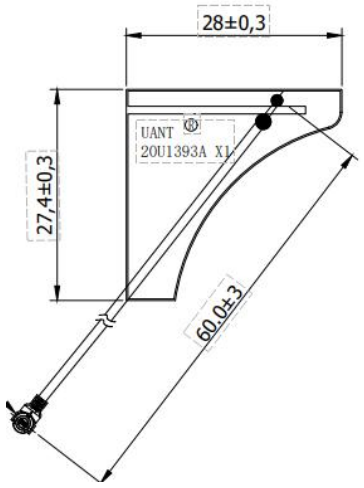
8. Packaging


产品包装规范
UANT®
好天线 · 优比造
单个产品
内袋包装说明：
1. 每袋装入200pcs产品.
2. PE袋进行封口.
3. 每袋需贴1pcs内袋标签至PE袋正中间位置.
4. PE袋尺寸：长150mm*宽150mm*厚0.08mm.
PE袋
内袋包装
内袋标签
东莞市优比电子有限公司
客户代码:
工单号:
客户料号:
订单号:
优比料号:
生产日期:
品名规格:
数
量:
组
张
电话：0769-81777126
传真:0769-81777125
底层和顶层各放1pcs平卡
外箱包装
包装箱封箱标准：
先用胶带封紧，然后用3条打包带固定。
外箱标签
需贴/ROHS标签
东莞市优比电子有限公司
客户代码:
工单号:
客户料号:
订单号:
优比料号:
生产日期:
品名规格:
数
量:
组
张
电话：0769-81777126
传真:0769-81777125
注：
此份包装规范适用于FPC, PCB天线类的线材总长<90mm带ipex和不带ipex产品，属于通用类型.
1. 中号纸箱装10000pcs产品每箱.
内置出线系列

9. Full Size TesReport

全 尺 寸 检 验 报 告

客户名称	凯迪仕	图纸编号	A1
项目名称	内置天线	数据单位	mm
零件码/料号	UUB01C60F2D4925A	检验日期	2025.2.26



序号	尺寸要求	测量工具	样品 1	样品 2	样品 3	样品 4	样品 5	判定
1	60±2	钢尺	60.0	60.1	60.0	60.1	60.1	OK
2	27.4±0.3	卡尺	27.42	27.40	27.41	27.41	27.40	OK
3	28±0.3	卡尺	28.1	28.0	28.0	28.1	28.1	OK

核 准:黄土放　　审核:/　　检验员:卢泳薪