承　认　书

SPECIFICATION FOR APPROVAL

客 户 名 称

CUSTOMER NAME:

产 品 名 称

PRODUCT NAME: 2.4/5.8G 3dBi 内置 FPC 天线 L=600mm+一代端子

客 户 料 号

CUSTOMER P/N:

中联云达料号

ZLYD P/N: Z1CFPC245800022

版 本 号

Version Number: V1.0

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
Manufacture BY:	LI LIU	
Engineering BY:	LI LIU	
Character BY:	YU JIANG BO	
DATE:	2025-05-22	

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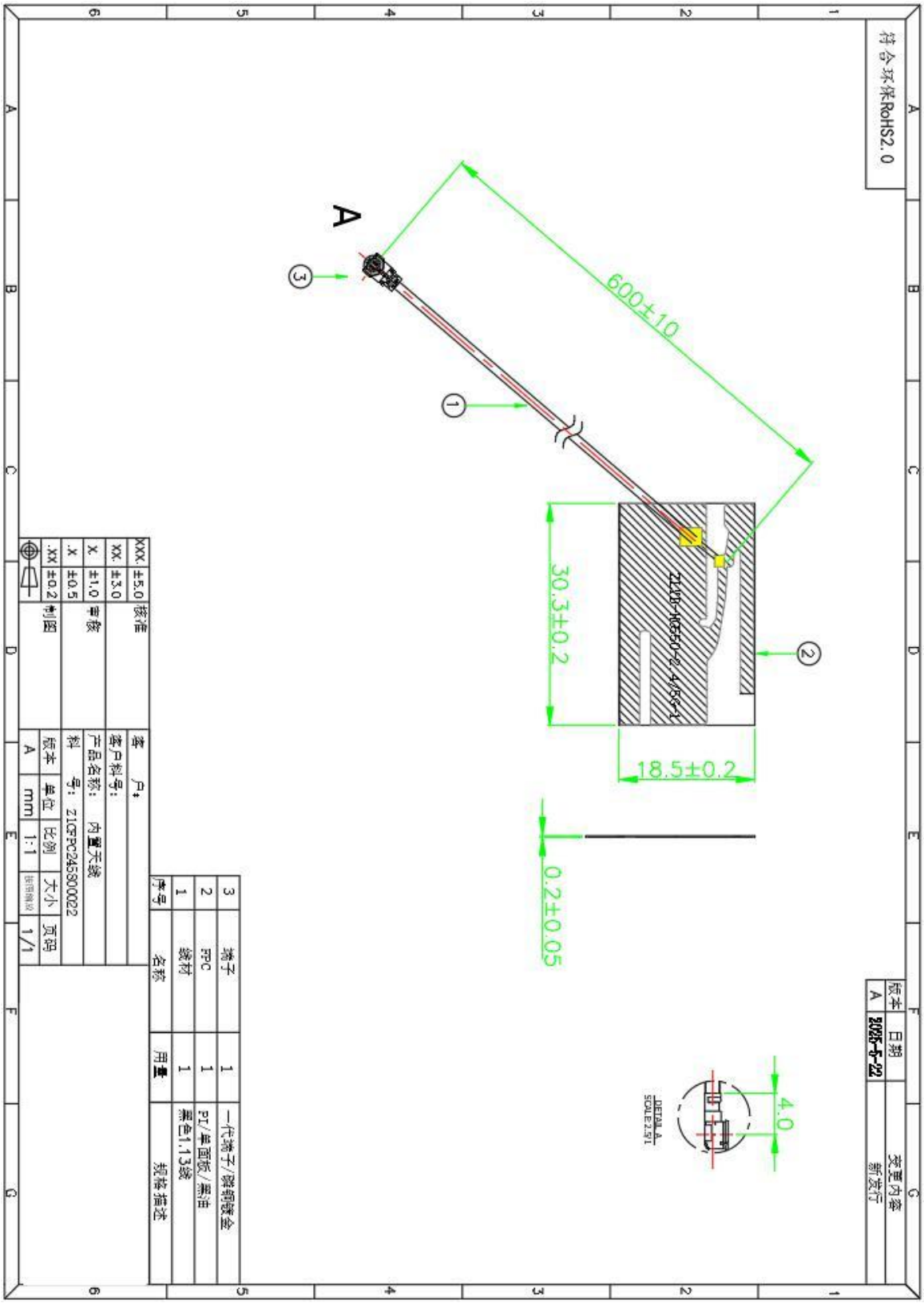
三、变更履历

版本	日期	变更记录
V1.0	2025-05-22	初版发行

四、基本参数

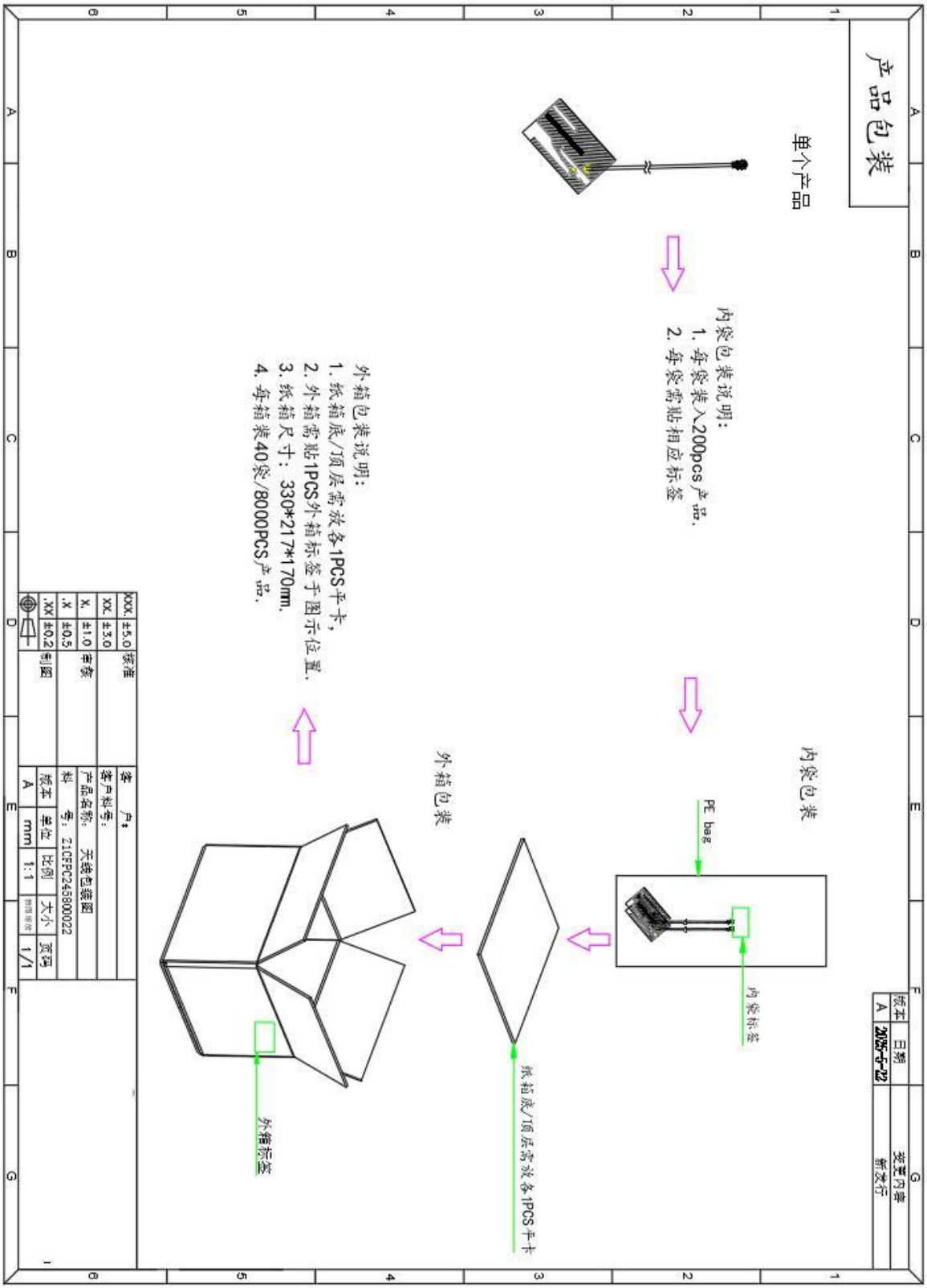
主要技术指标		Main technical specifications	
频率范围（MHZ）	2400~2500 5150~5850	Frequency Range (MHZ)	2400~2500 5150~5850
特性阻抗(Ω)	50	Impedance(Ω)	50
峰值增益(dBi)	3±0.5	Peak Gain(dBi)	3±0.5
输出电压驻波比	≤2.0	VSWR	≤2.0
极化方式	垂直极化	Polarization	Linear,Vertical
方向性	全向性	Radiation	Omni-directional
连接方式	一代端子	Connector Type	IPEX
物理性能		Physical Properties	
天线本体材料	PI	Antenna cover	PI
工作温度	-20℃~+80℃	Operating Temp	-20℃~+80℃
保存温度	-20℃~+70℃	Storage Temp	-20℃~+70℃

五、工程图纸



符合环保RoHS2.0
A
600±10
30.3±0.2
18.5±0.2
0.2±0.05
4.0
DETAIL A
SCALE:2.5:1
3 端子 1 一代端子/磷铜镀金
2 FPC 1 PI/单面板/黑油
1 线材 1 黑色1.13线
序号 名称 用量 规格描述
XXX. ±5.0 核准
XX. ±3.0
X. ±1.0 审核
.X ±0.5
.XX ±0.2 制图
客 户:
客户料号:
产品名称: 内置天线
料 号: Z1CFPC245800022
版本 A
单位 mm
比例 1:1
大小
页码 1/1
版本 A
日期 2025-5-22
变更内容 新发行

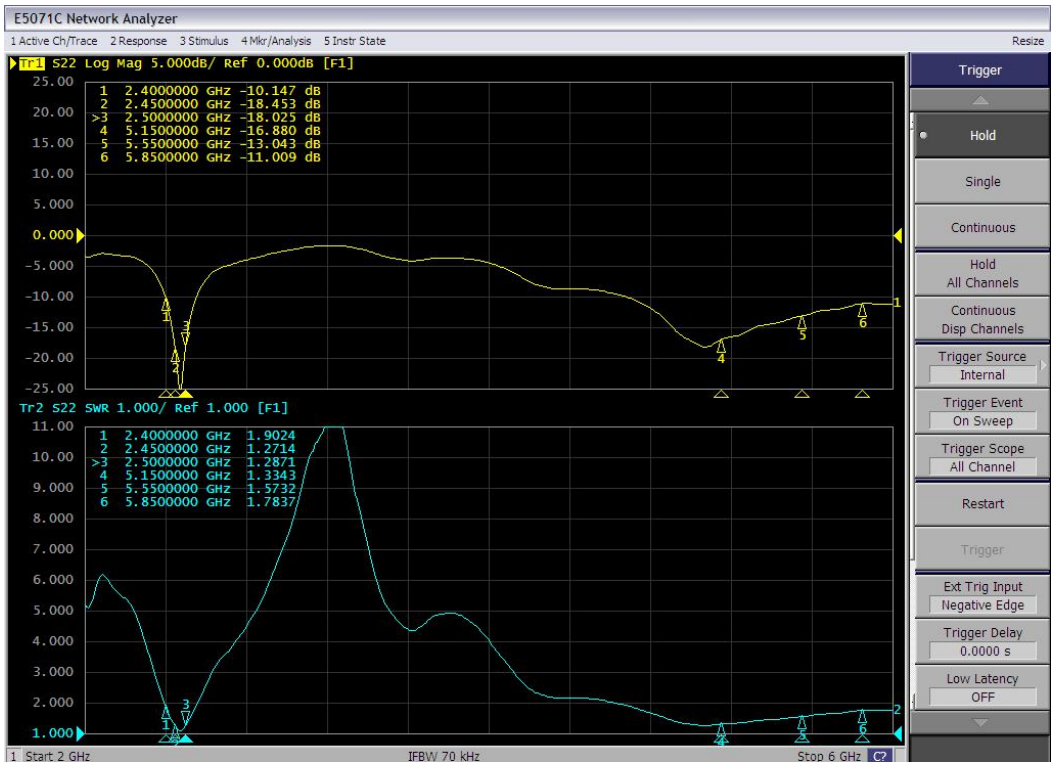
六、包装图纸



产品包装
单个产品
内袋包装说明:
1. 每袋装入200pcs产品.
2. 每袋需贴相应标签
外箱包装说明:
1. 纸箱底/顶层需放各1PCS平卡,
2. 外箱需贴1PCS外箱标签于图示位置.
3. 纸箱尺寸: 330*217*170mm.
4. 每箱装40袋/8000PCS产品.
内袋包装
PE bag
内袋标签
外箱包装
纸箱底/顶层需放各1PCS平卡
外箱标签

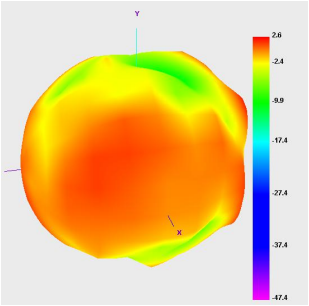
七、测试报告

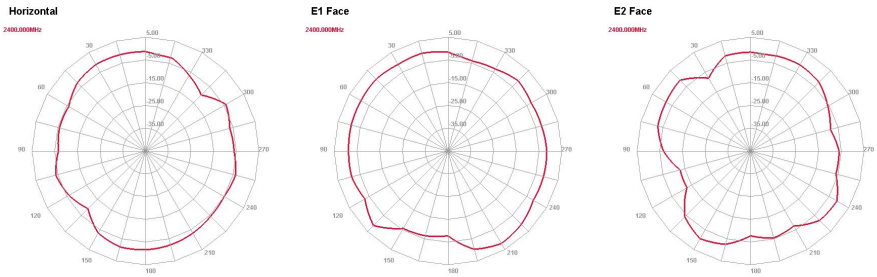
7.1：网络分析仪测试报告



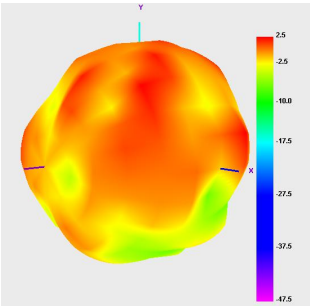
7.2：暗室 2D、3DRaditation Pattern

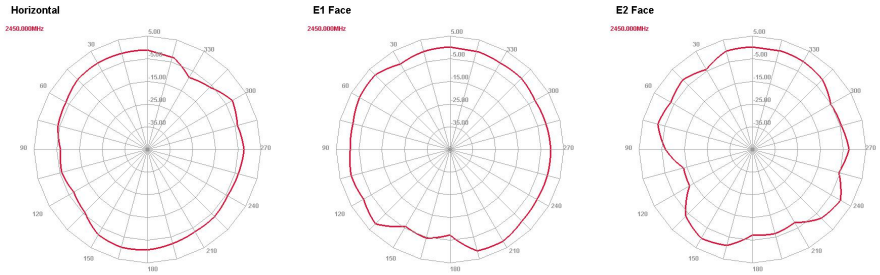
2400MHz



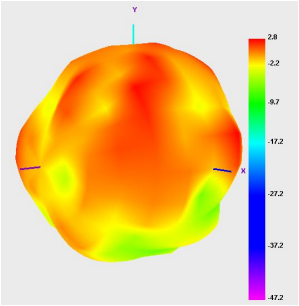


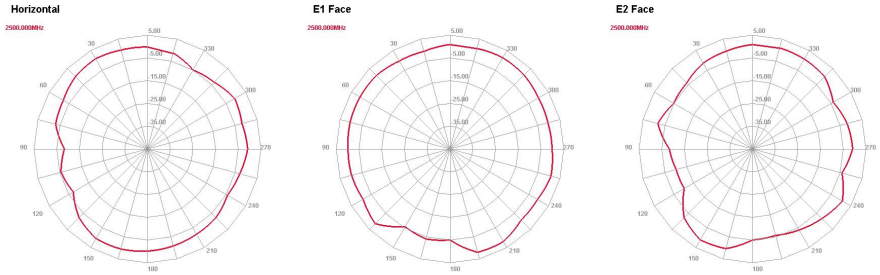
2450MHz



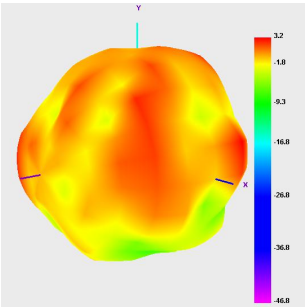


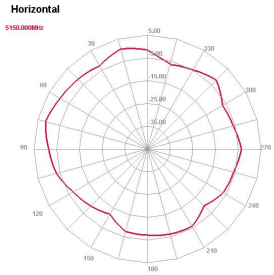
2500MHz

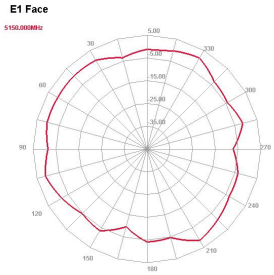


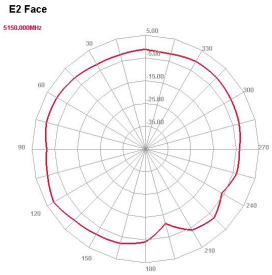


5150MHz

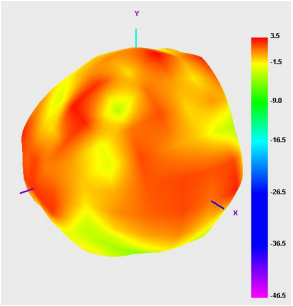


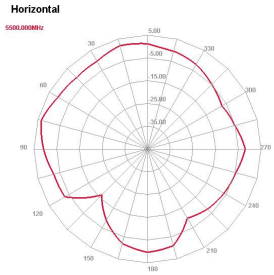


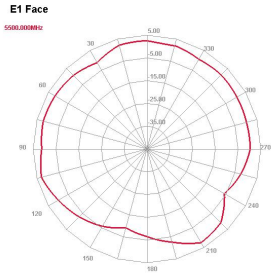


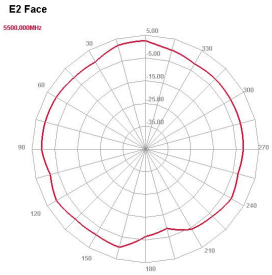


5500MHz

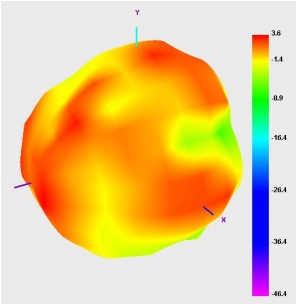


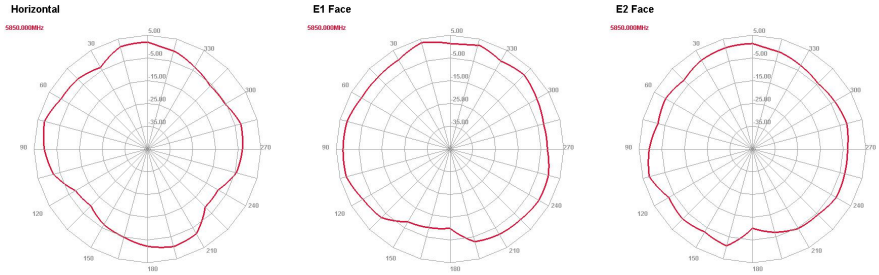






5850MHz





7.4：天线增益与效率

ANT		
频率（MHZ）	增益（dBi）	效率（%）
2400	2.63	68.32
2450	2.58	65.24
2500	2.86	69.54
5150	3.29	68.30
5500	3.51	67.62
5850	3.60	64.35