KEP. 深圳市启鹏天辰科技有限公司

承认书封面
APPROVAL SHEET

产品描述	生产厂商 Vendor:	云希科技	型号规格/版本 Description:	
	产品名称 Product Name:	WIFI天线	项目名称 Project:	M10L
	物料编码:	F1034C-1L24B-115-A		

附件: Attachments	☐样品 Sample	☐规格书 Spec
	☐ 可靠性测试报告 Reliability Report	☐ 工程图面 Drawing
	☐重点尺寸报告 FAI Report	☐ 材质证明书 Material Verification Sheet
	☐ 包装方式 Packing Content	☐ 安规报告 Safety Report

供应商签核 Vendor	拟制: Design	董思民	审核: Audit:		批准: Approval:	向志荣
品质确认栏 Quality Check	检查: Check		审核: Audit:		批准: Approval:	
项目确认栏 Project approval	检查: Check:		审核: Audit:		批准: Approval:	

分发部门: Distribute	☐ 供应商	☐ 质量	☐ 工程	☐外协厂
	☐ 研发	☐ 文控	☐ 客户	☐ 其他 _____

备注: Remark	

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This approval sheet supports for MID project. FPC antennas include in this project. This report is for the performance of WIFI antenna.

- **Antenna shape size：Meet the requirement of MID project**
- **Antenna band：2400MHz~2500MHz**
- **Antenna material：Antenna material meet the requirement of MID**
- **Adhesive performance：Adhesive performance meet the requirement of MID**

Antenna performance SPEC overview

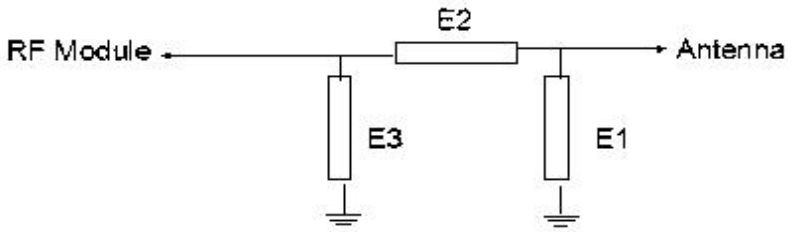
Description	2.4GHz~2.5GHz	Units
VSWR	≤2.0	
Average Antenna Gain	≥-4.5	dB
Antenna Efficiency	≥20	%
Feed Impedance	50 ohms	
Operating Temperature	-40 to +85 deg C	
Polarization / Azimuth	Linear / Omni-directional	

- **Mechanical Information**

Mechanical Dimension	
Cable Length	**115mm/Black**
Description	**WIFI antenna**
Material	**FPC**
Coaxial Cable	**50Ohm/O.D.1.13mm**
Environmental	
Operation Temperature	**-40 to +85 deg C**
Storage Temperature	**-40 to +85 deg C**

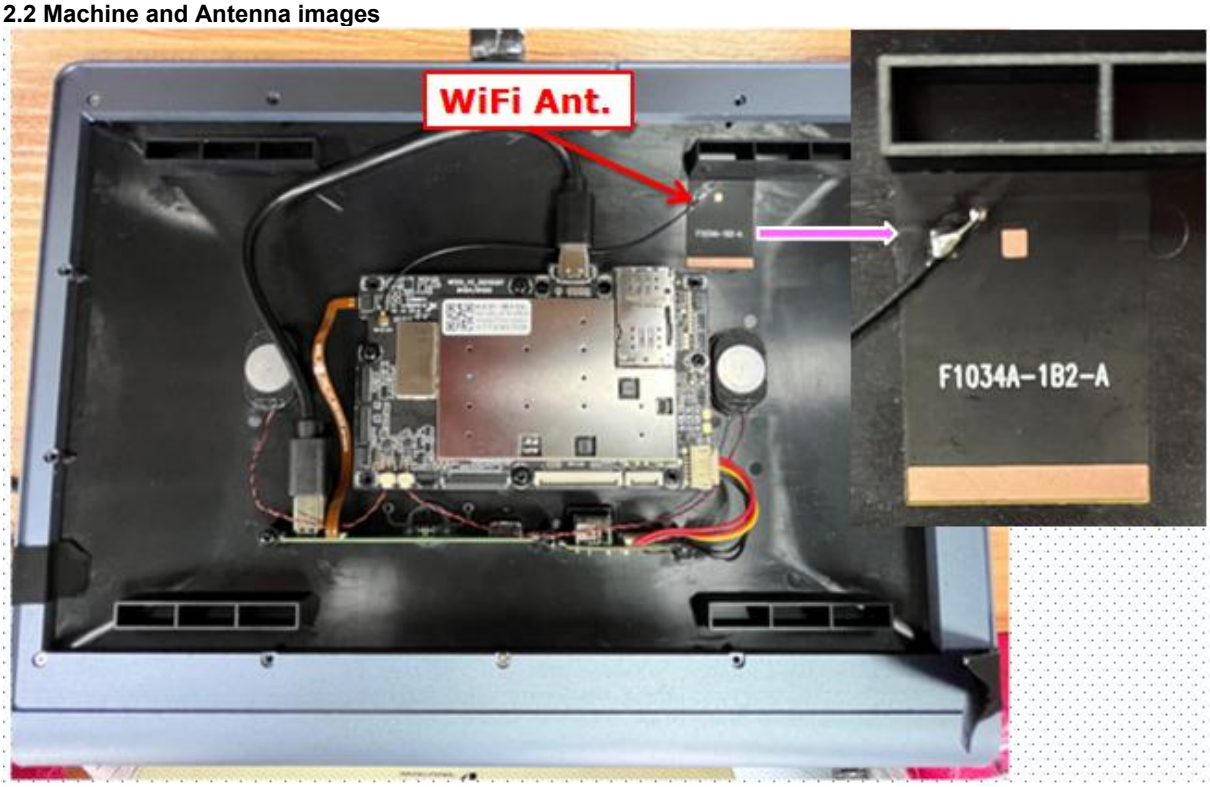
2:Match the circuit diagram, antenna images

2.1 Match the circuit diagram



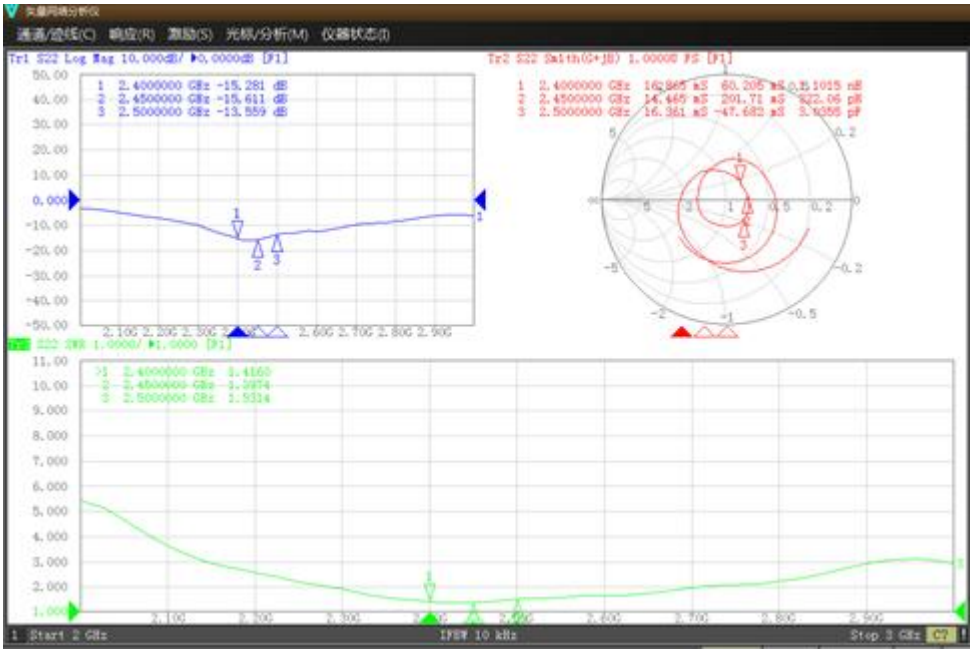
Our company did not modify the antenna matching

2.2 Machine and Antenna images



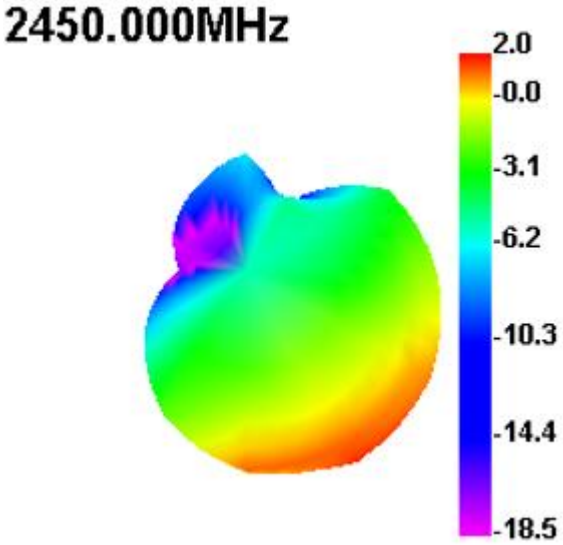
3：VSWR、Efficiency

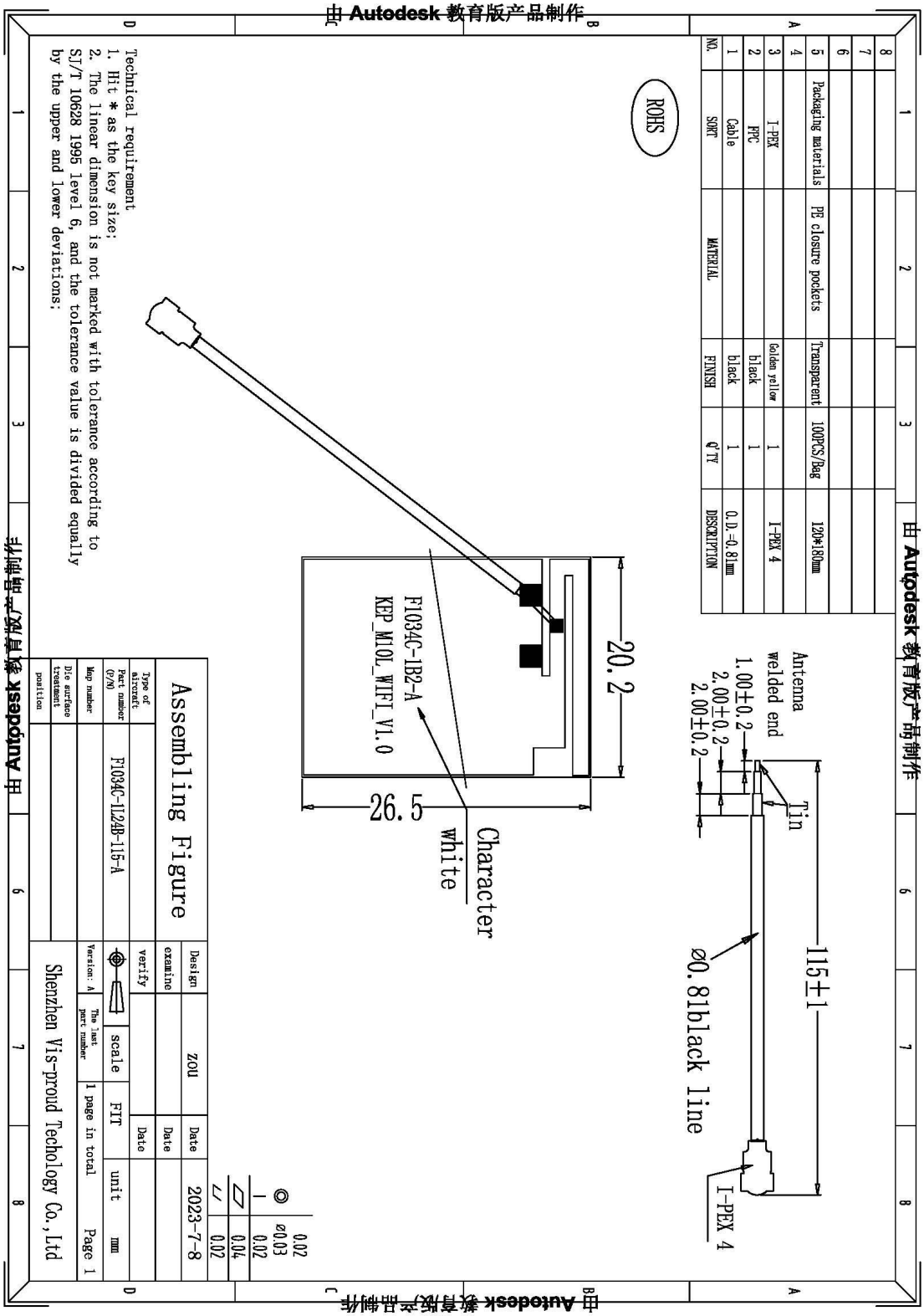
3.1 VSWR



3.2 Efficiency

Passive Test For WIFI			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	52.0	-2.8	2.0
2410	52.5	-2.8	2.0
2420	53.2	-2.7	2.1
2430	54.4	-2.6	2.2
2440	56.1	-2.5	2.5
2450	56.7	-2.5	2.0
2460	57.9	-2.4	2.1
2470	57.3	-2.4	2.1
2480	57.0	-2.4	1.9
2490	55.2	-2.6	2.0
2500	53.7	-2.7	2.2



WIFI					
Band	**Channel**	**Data Rate**	**TRP**	**Data Rate**	**TIS**
WIFI2.4G 802.11b	1	11Mbps	11.2	11Mbps	-77.4
	7		11.6		-78.2
	13		11.3		-77.9

4:Structural drawings