

深圳市云顶通讯电子有限公司

Shenzhen Yunding Communication Electronics Co., Ltd

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承認書 APPROVAL SHEET

客 户 : 深圳市诚易盛电子有限公司

品 名 规 格 : YD-805T- WIFI-0.81 线-L120MM-IPEX 1
DESCRIPTION:

料 号 :
PART NO.:

客 户 料 号 :
CUS PART NO.:

日 期 : 2025-2-20
D A T E:

云顶呈样签章

工 程 ENGINEERING DEPARTMENT	品 保 Q C DEPARTMENT	业 务 SALES DEPARTMENT

客户承认签章

工 程 ENGINEERING DEPARTMENT	品 保 Q C DEPARTMENT	采 购 PURCHASING DEPARTMENT

联系电话: 0755 23073599

※ 承认书一式三份, 惠蒙贵司承认签章

※ Approval in duplicate, please signed by your company.

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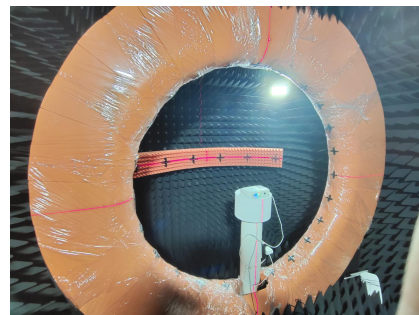
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1. 测试项目与设备

	测试项目	设备
1. S11 参数 (S-parameter)	1. 回波损耗 (Return Loss) 2. 电压驻波比 (VSWR)	网络分析仪: Agilent E5071B HP 8753D
2. 有源测试 (Active)	1. 发射功率 (TRP) 2. 接收灵敏度 (TIS)	1. 暗室: ETS 7x4x3 m (3D) Chamber ETS 5x3x3 m (3D) Chamber 2. 综合测试仪: Agilent 8960 E5515B x2 StarPoint SP6011 Cmw500
3. 无源测试 (Passive)	1. 天线增益 (Gain) 2. 天线效率 (Efficiency)	1. 暗室: ETS 7x4x3 m (3D) Chamber ETS 5x3x3 m (3D) Chamber 2. 网络分析仪: Agilent E5071B HP 8753D



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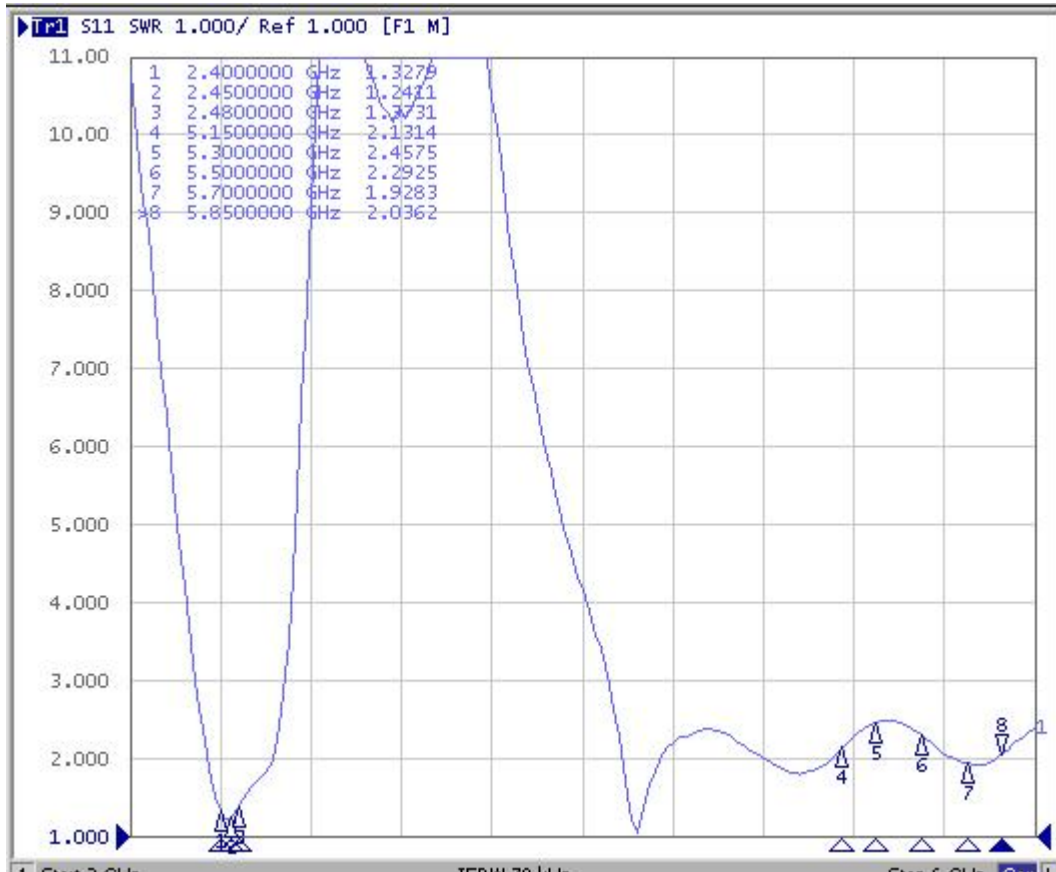
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2. 天线性能

SWR



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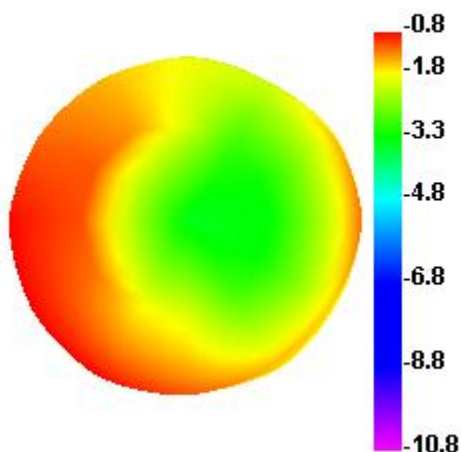
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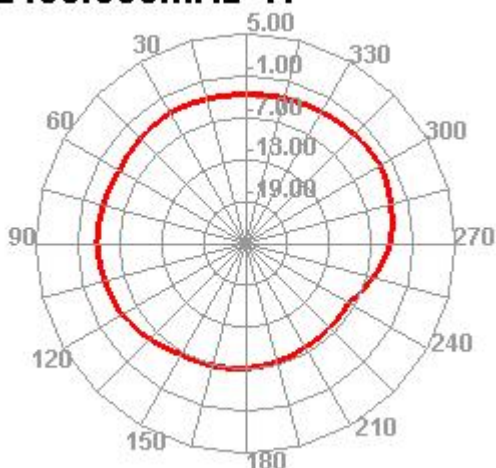
3. 天线效率与增益

Passive Test For WIFI2.4		
Freq (MHz)	Effi (%)	Gain (dBi)
2400	43.74	-0.82
2410	45.64	-0.65
2420	47.84	-0.49
2430	49.77	-0.4
2440	53.47	-0.15
2450	57.26	0.15
2460	59.57	0.32
2470	58.74	0.17
2480	60.96	0.26
2490	61.93	0.42
2500	59.53	0.49

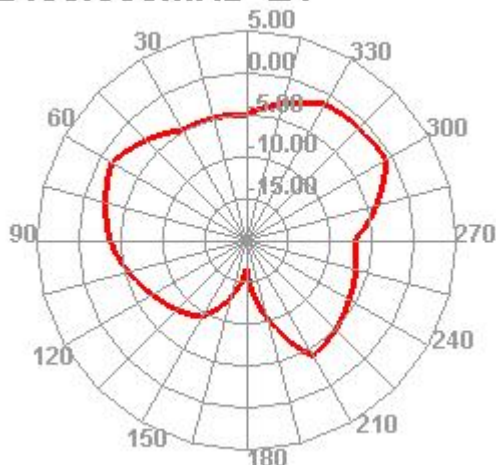
2400.000MHz



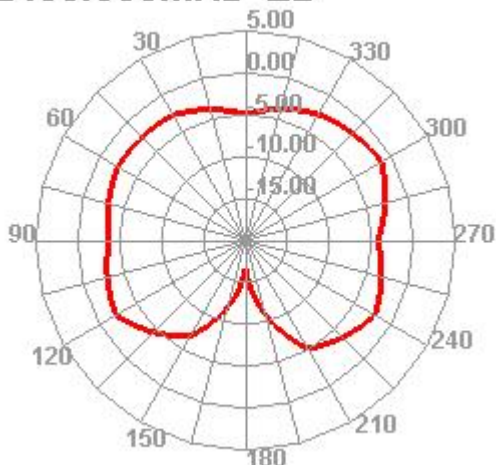
2400.000MHz H



2400.000MHz E1



2400.000MHz E2



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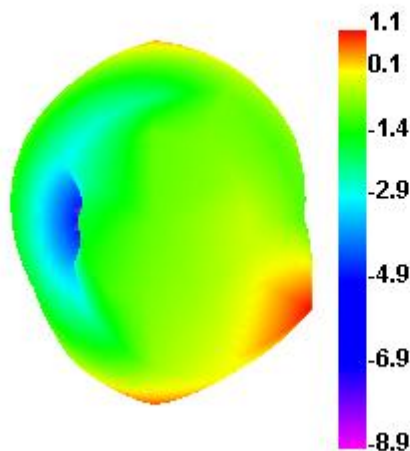
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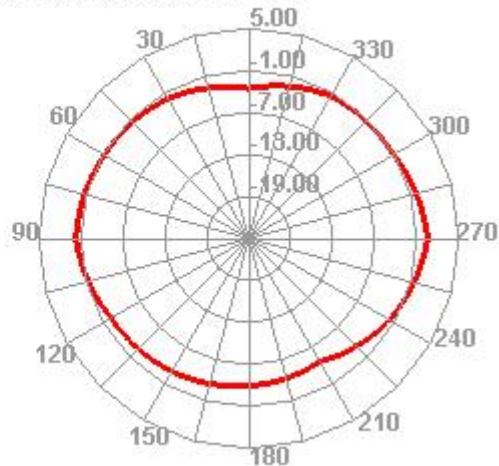
E-mail:wht0809@163.com

Passive Test For WIFI5.8		
Freq (MHz)	Effi (%)	Gain (dBi)
5150	48.55	1.07
5200	42.9	-0.22
5250	45.27	0.86
5300	46.34	0.47
5350	45.71	0.68
5400	46.65	0.79
5450	43.26	2.2
5500	42.11	-0.24
5550	37.9	-0.67
5600	37.29	-0.2
5650	44.12	1.4
5700	48.79	2.69
5750	55.42	2.25
5800	50.61	2.12
5850	50.17	2.22

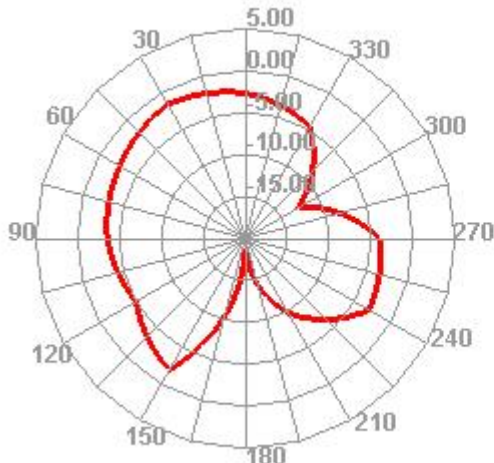
5150.000MHz



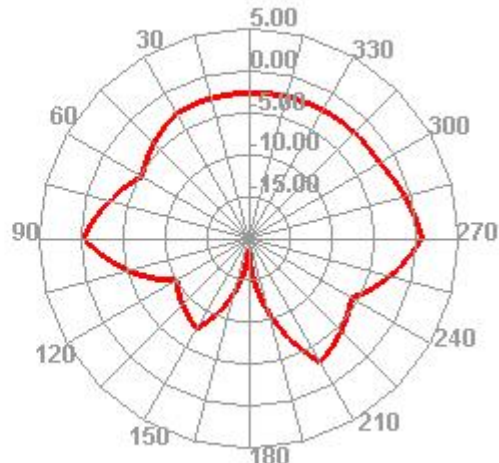
5150.000MHz H



5150.000MHz E1



5150.000MHz E2



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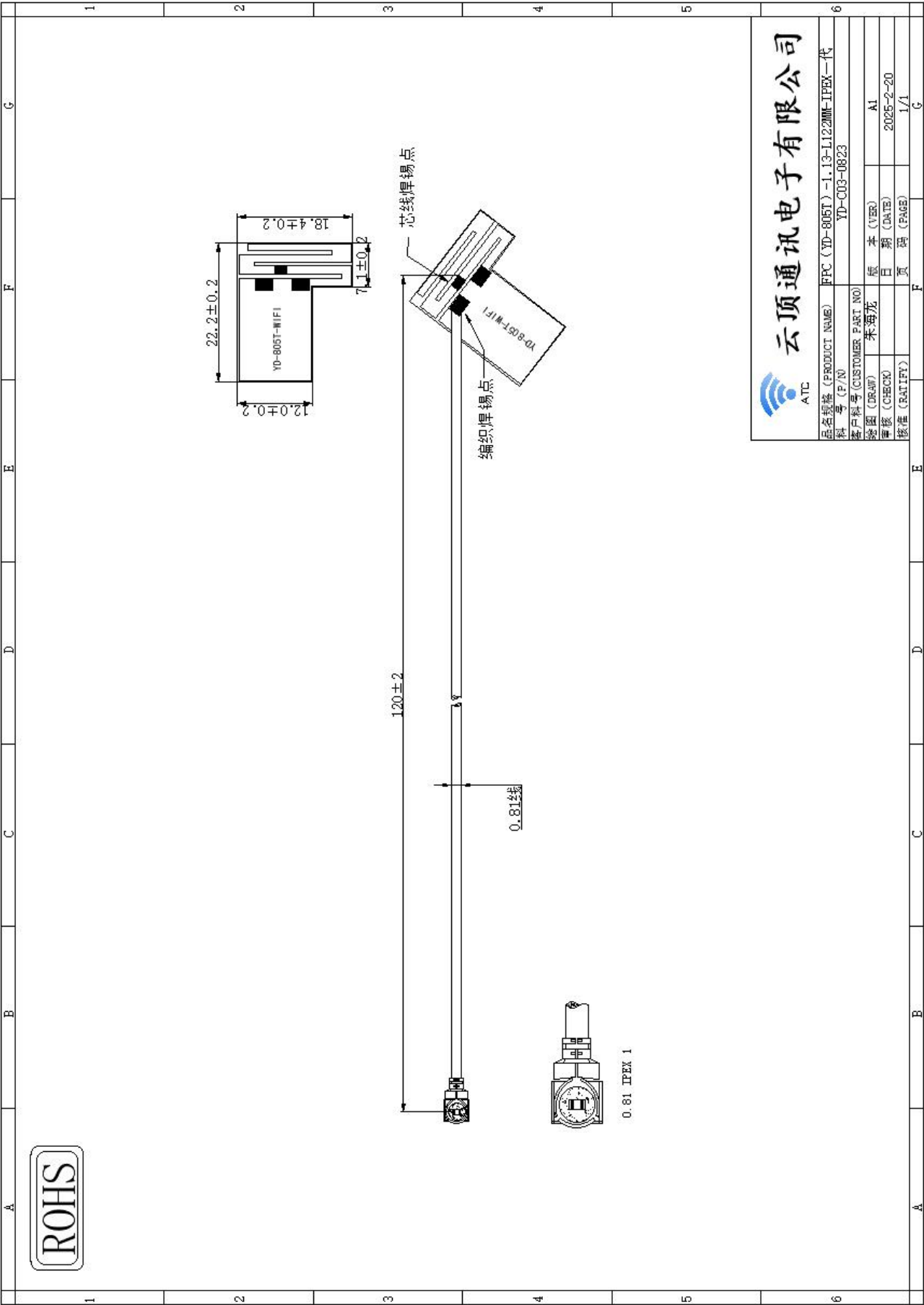
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4. 天线结构图:



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电器技术参数

电 性 能 指 标		Electrical Specifications	
频率范围	2400~2500/5150~5850 MHz	Frequency Range	2400~2500/5150~5850 MHz
电压驻波比	≤2.5	VSWR	≤2.5
输入阻抗	50 Ω	Input Impedance	50 Ω
机 械 指 标		Mechanical Specifications	
天线颜色	黄色	Antenna Color	Yellow
接口形式	IPEX 一代	Input connector	IPEX 1
天线线长	120mm	Cable length	120mm
工作温度	-40℃~+85℃	Working Temperature	-40℃~+85℃
工作湿度	20~80%	Working Humidity	20~80%

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环境性能测试（Environment performance test）：

项目	测试条件	测试结果
储存环境	在没有指定的情况下测试温度、湿度、气压如下： 1. 温度为-30℃~+80℃ 2. 相对湿度为45%-85% 3. 气压为86kpa-106kpa	电气机械性能正常
高低温试验	在70℃与-40℃之间进行5次循环，然后在正常条件下1-2H，检查外观质量。	尺寸应满足规定并应满足于机械、电气性能
耐恒定湿热试验	相对湿度95±3%，试验温度：40℃.持续2H作用后，试品取出后5min之内测定电气性能，试品在正常条件下1-2H，检查外观质量	尺寸应满足规定并应满足于机械、电气性能
振动试验	振频范围10-55HZ，位移幅值：0.35MM，加速度幅值：50.0M/S，扫频循环次数：30次	电气机械性能正常
跌落试验	1M高空按照互相垂直的轴方向自由跌落3次	电气机械性能正常

Project	Test condition	Test results
Storage environment	Test temperature, humidity, pressure without stated condition as follwings:1.Temperature: -30℃ ~ +80℃ ;2.Relative humidity: 45%-85%;3,Pressure: 86kpa-106kpa	Electrical and mechanical performance normal
High and low temperature test	Having 5 times cycle between -40℃ to 70℃,Then in common condition 1-2 hours test exterior quality.	Measurement satisfied with electrical and mechanical performance normal.
Resistance constant hot and humid test	Relative humidity:95±3%,Test temperature: 40℃,last 2 hours ,put it after 5 min test the electrical function .Test products during common condition 1-2 hours ,Then test exterior quality.	Measurement satisfied with electrical and mechanical performance normal.
Vibration test	Vibrate Frequency:10-55HZ; Distance :0.35mm;Acceleration :50.0m/s;Sweep frequency cycle:30 times	Electrical and mechanical performance normal
Fall test	From 1m height fall down 3 times freely (vertical direction)	Electrical and mechanical performance normal

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