

深圳市云顶通讯电子有限公司

TEL: +86 0755-23073599

FAX: +86 0755-23097189

E-mail:wht0809@163.com

承認書 APPROVAL

客 户
:

品 名 规 格
DESCRIPTION: Z99-FD001-2.4G-1.13-L60MM-IPEX 一代

料 号
PART NO.:

客 户 料 号
CUS PART NO.:

日 期
D A T E: 2024. 12. 20

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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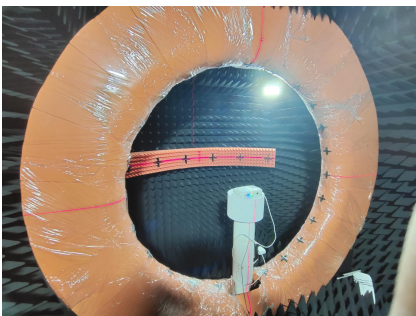
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1.测试项目与设备

	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 ×2 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



Manufacturer:Guangdong Nanguang Photo&Video Systems Co., Ltd.
Address:Dongli Section, Highway 324, Chenghai, Shantou City, Guangdong Province, China

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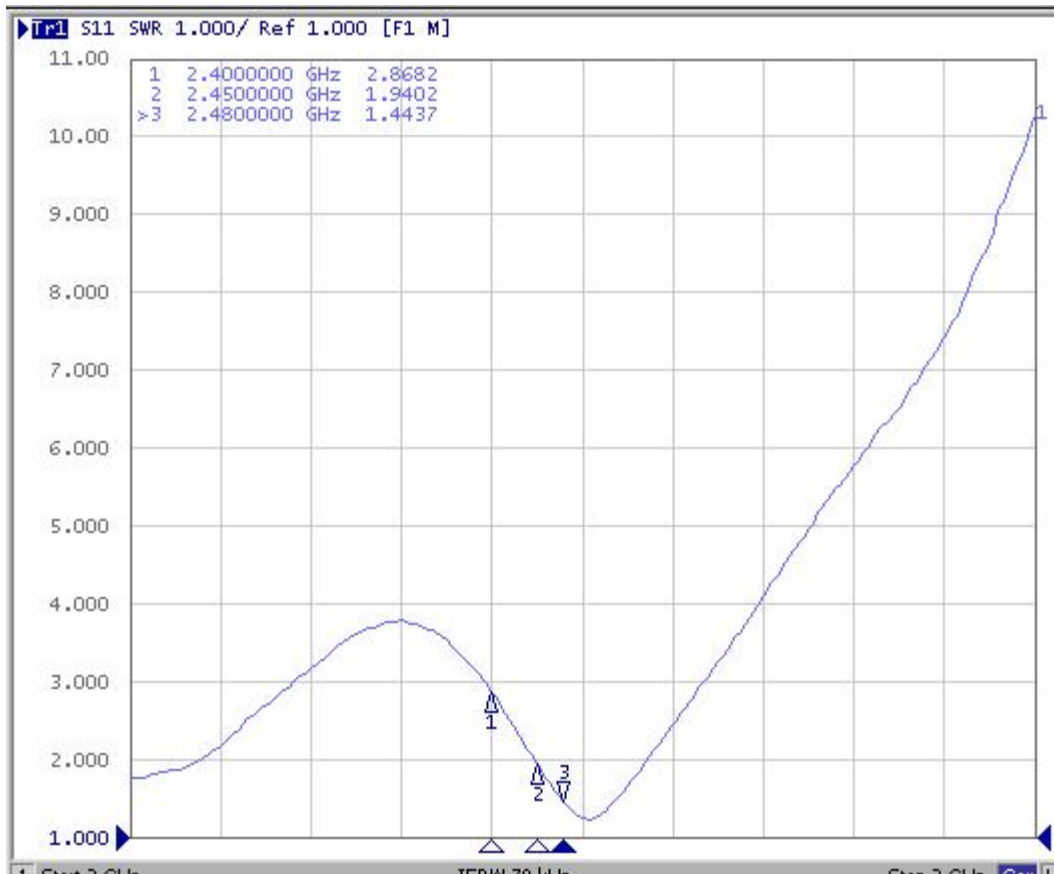
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2.天线性能

SWR



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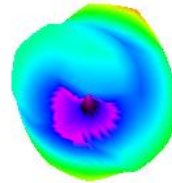
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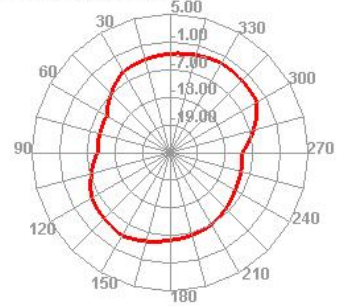
3. 天线效率与增益

Passive Test For WIFI2.4		
Freq (MHz)	Effi (%)	Gain (dBi)
2400	44.29	1.91
2410	44.54	2
2420	44.15	2.05
2430	44.9	2.21
2440	47.3	2.47
2450	50.2	2.87
2460	51.15	3.04
2470	50.84	3.13
2480	54.02	3.46
2490	55.98	3.72
2500	52.88	3.5

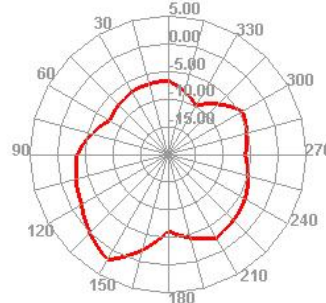
2400.000MHz



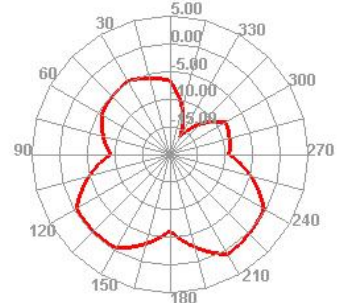
2400.000MHz H



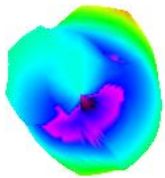
2400.000MHz E1



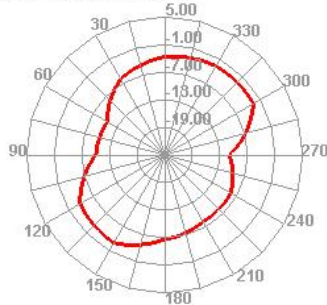
2400.000MHz E2



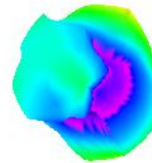
2450.000MHz



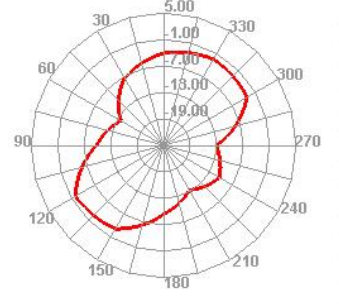
2450.000MHz H



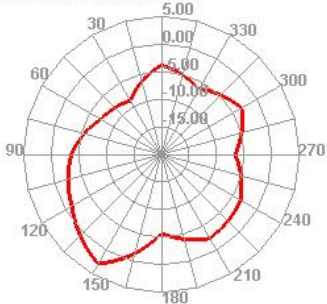
2500.000MHz



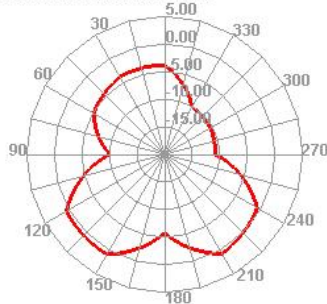
2500.000MHz H



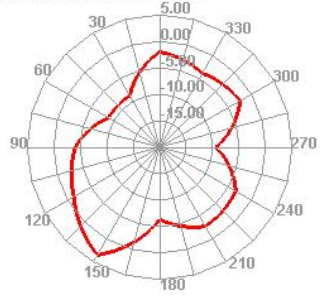
2450.000MHz E1



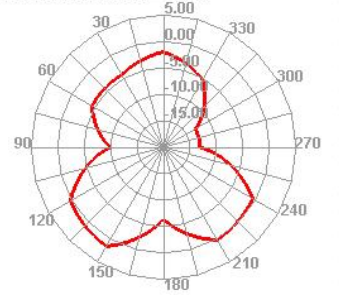
2450.000MHz E2



2500.000MHz E1



2500.000MHz E2



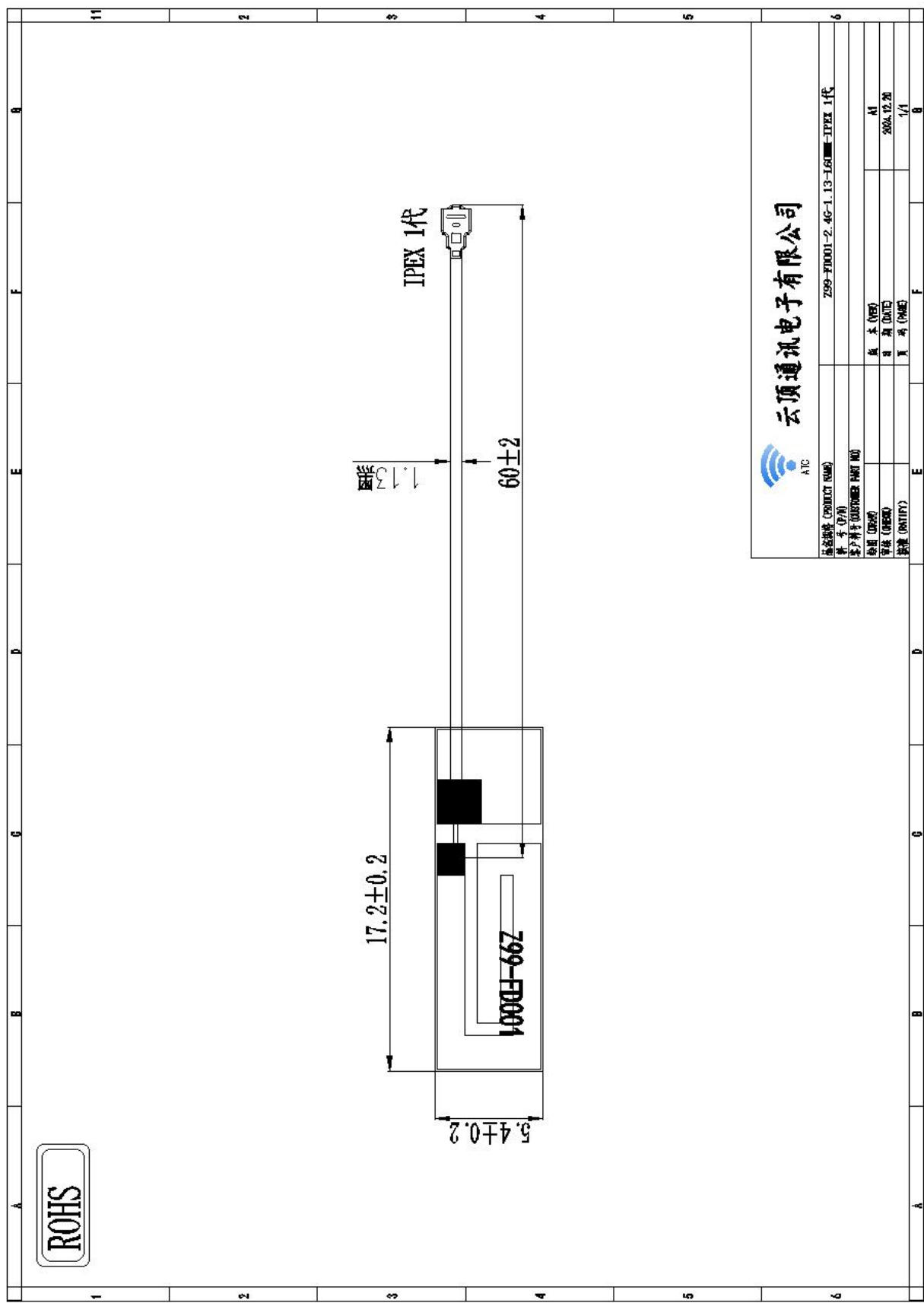
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4.天线结构图:



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电器技术参数			
电 性 能 指 标		Electrical Specifications	
频率范围	2400~2500MHz	Frequency Range	2400~2500MHz
电压驻波比	≤3.0	VSWR	≤3.0
输入阻抗	50 Ω	Input Impedance	50 Ω
最大增益	3.72 DBI	Maximum gain	3.72 DBI
最大输入功率	50W	Maximum Input Power	50W
机 械 指 标		Mechanical Specifications	
天线颜色	黑色	Antenna Color	BLACK
接口形式	IPEX 一代	Input connector	IPEX 1
天线线长	60mm	Cable length	60mm
工作温度	-40℃~+85℃	Working Temperature	-40℃~+85℃
工作湿度	20~80%	Working Humidity	20~80%