



深圳市英佳创电子科技有限公司

Shenzhen Yingjiachuang Electronic Technology Co., Ltd

<http://www.szsyjc.com>

Acknowledgement Letter

承认书

CUSTOMER NAME 客户名称		
CUSTOMER P/N 客户料号		
PART NAME 品 名	2.4G PCB antenna (model: D301)	
P/ N 料 号		
APPROVAL REV. 版 次	A0	
DELIVERY DATE 送样日期	2024 年 08 月 12 日	
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CHECKED BY 审 核	Fang Wenfeng	
APPROVED BY 核 准	Xiao Han	
Customer Approved 客 户 承 认		
Prepared By 承 办	Checked By 审 核	Approved By 核 准

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修订履历表 Revise resume:

版本 Edition	变更内容及更改原因 Change Content and reason for change	日 期 Date	发 行 Issuance
A/0	Initial release	August 12th, 2024	



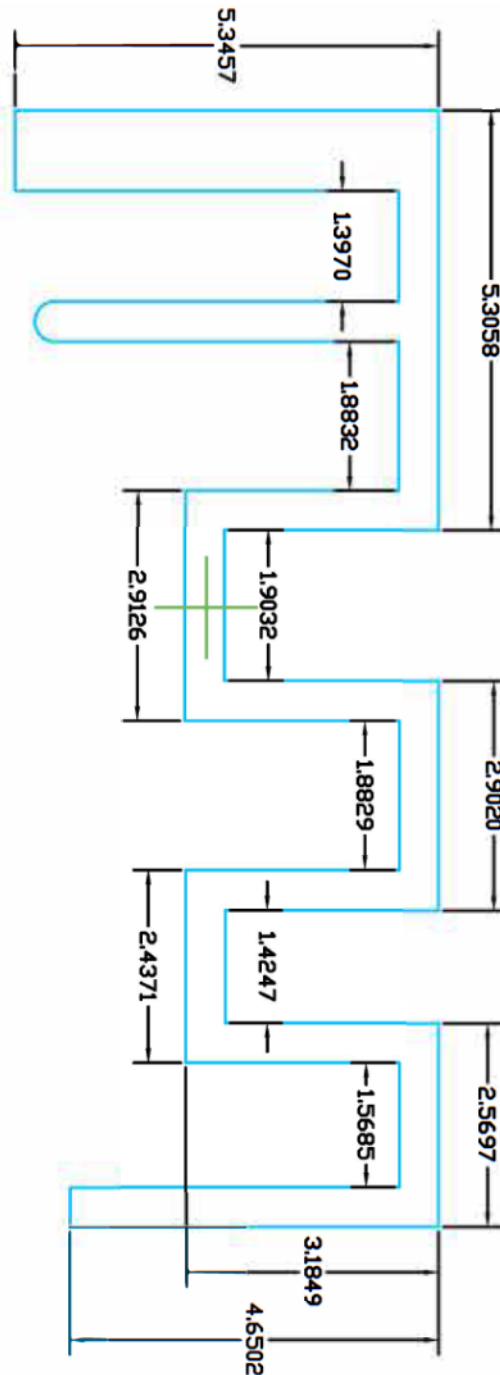
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天线平面图 Antenna Plan:

Unit: mm





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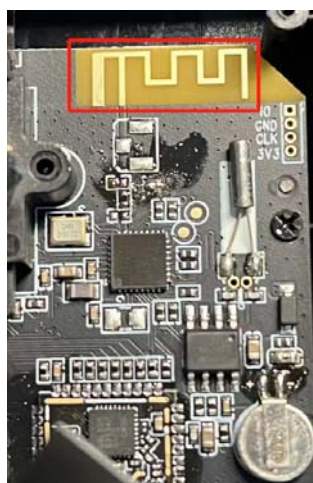
天线技术参数及环境测试

Antenna technical parameters and environmental testing:

电气技术参数 Electrical technical parameters	
电性能指标	Electrical Specifications
频率范围	2400-2500MHz
电压驻波比	<1.92
输入阻抗	50 Ω
方向	全向
增益	1.88dBi
机械指标	Mechanical Specifications
接口形式	OPEN
工作温度	-20℃~+70℃
工作湿度	20%~80%

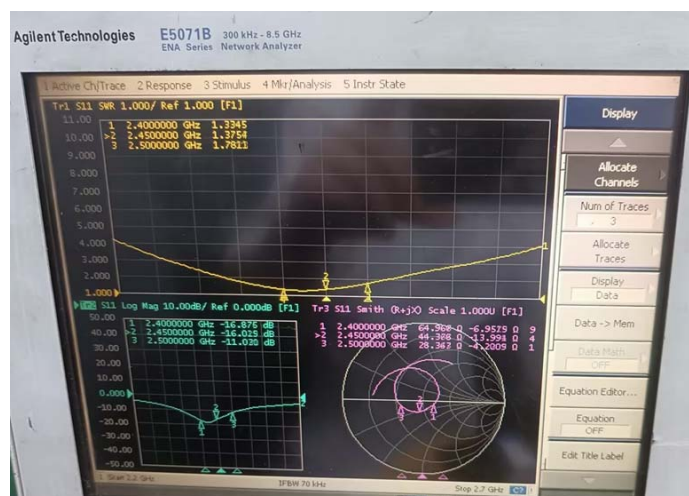
天线实物图:

Physical image of antenna:



天线性能测试图:

Antenna performance test chart:





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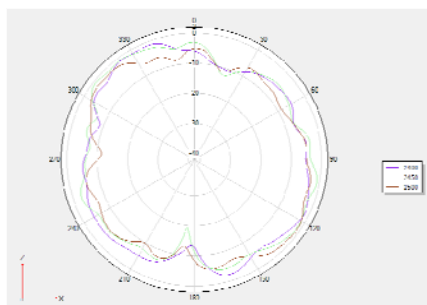
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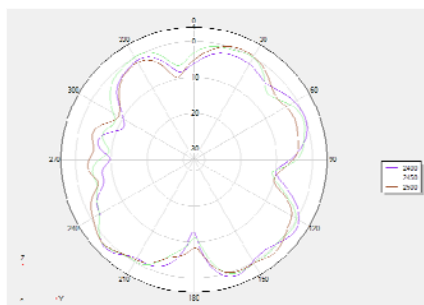
2D.3D 测试数据 (2.4G) 2D.3D test data (2.4G):

Frequency	Efficiency (%)	Gain. (dBi)
2400MHz	52.36	1.88
2410MHz	55.08	1.65
2420MHz	54.33	1.75
2430MHz	47.75	1.73
2440MHz	49.89	1.59
2450MHz	48.31	1.62
2460MHz	50.12	1.69
2470MHz	48.35	1.47
2480MHz	47.27	1.55
2490MHz	45.36	1.41
2500MHz	46.88	1.65

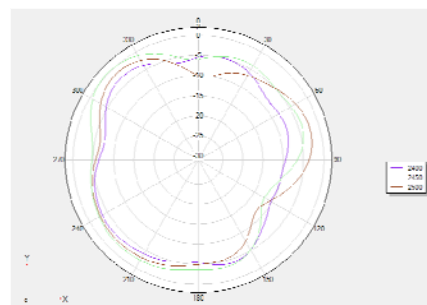
Phi 0 2D:



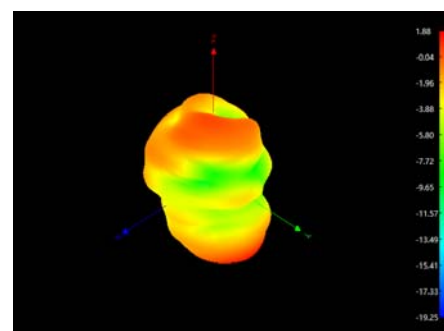
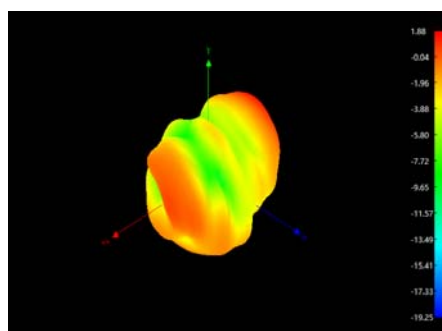
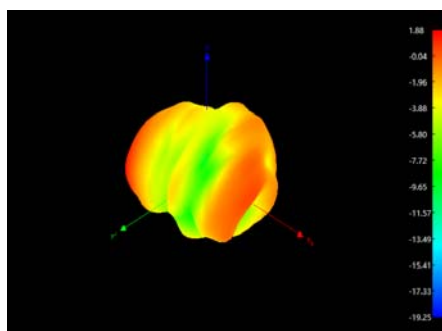
Phi 90 2D



Theta 90 2D



3D 2400:



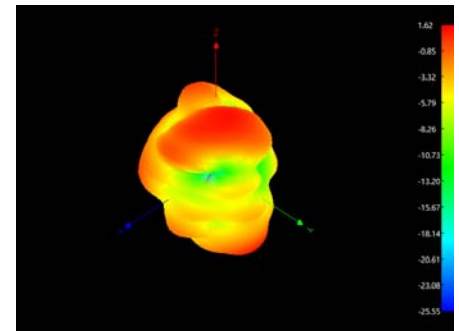
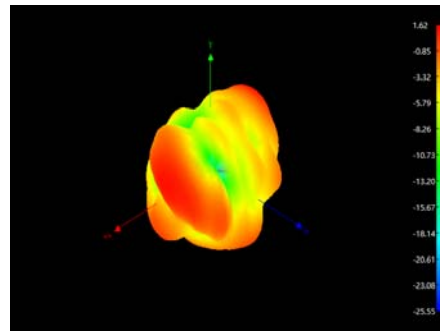
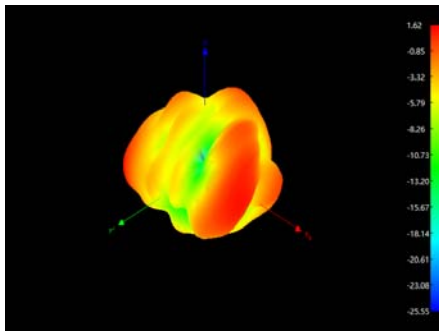


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3D 2450:



3D 2500

