

SPECIFICATION FOR APPROVAL

CUSTOMER (客户名称)	深圳市亿芯微半导体有限公司	
CS P/N(客户机种)		
PART NAME (品名)	内置FPC天线(PCB17045 VER.A) 2.4G ϕ 1.13 灰色 L=100MM 带 IPEX ROHS	
FREQUENCY (频率)	2.40-2.50GHz	
RTANT NO. (物料编号)	RT477-10001-A	
DATE (日期)	2024.09.12	
出样签章		
APPROVED BY 核准	CHECKED BY 确认	DRAWED BY 制作
刘云海	姜文祥	姜文祥
Remark (备注):		
客户承认签章		
APPROVED BY 核准	CHECKED BY 确认	TESTED BY 检测
Sign(客户确认签字盖章): _____		

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电话: 0769-85833836

传真: 0769-82582573

Http://www.rtant.com

地址: 东莞市厚街镇沙塘工业区沙隆路德朗实业创新园E栋

1. 产品实物图片Product picture



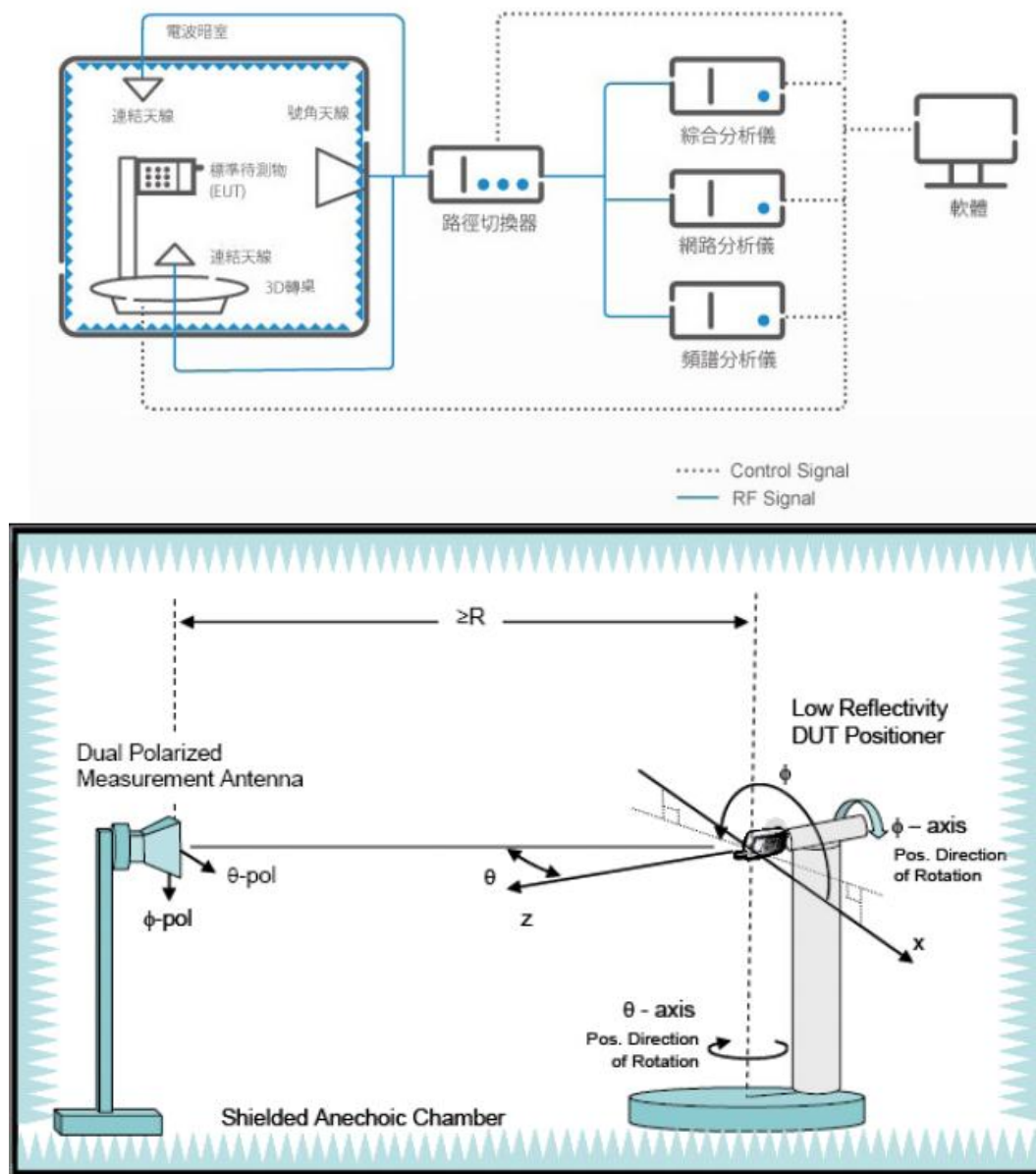
2. 规格表Specification

A. Electrical Properties	
Frequency Rang频段范围	2.4-2.5GHz
Impedance特性阻抗	50 Ω Nominal
VSWR电压驻波比	<1.92
Gain(peak)增益（峰值）	3.82dBi
Efficiency效率	>50%
Radiation辐射方式	Omni-Directional/全向
Polarization极化方式	Linear Vertical/垂直
B. Physical Properties	
Connector Type连接方式	IPEX
Cable线材	Φ 1.13mm 灰色
Antenna Radiator天线振子体	FPC

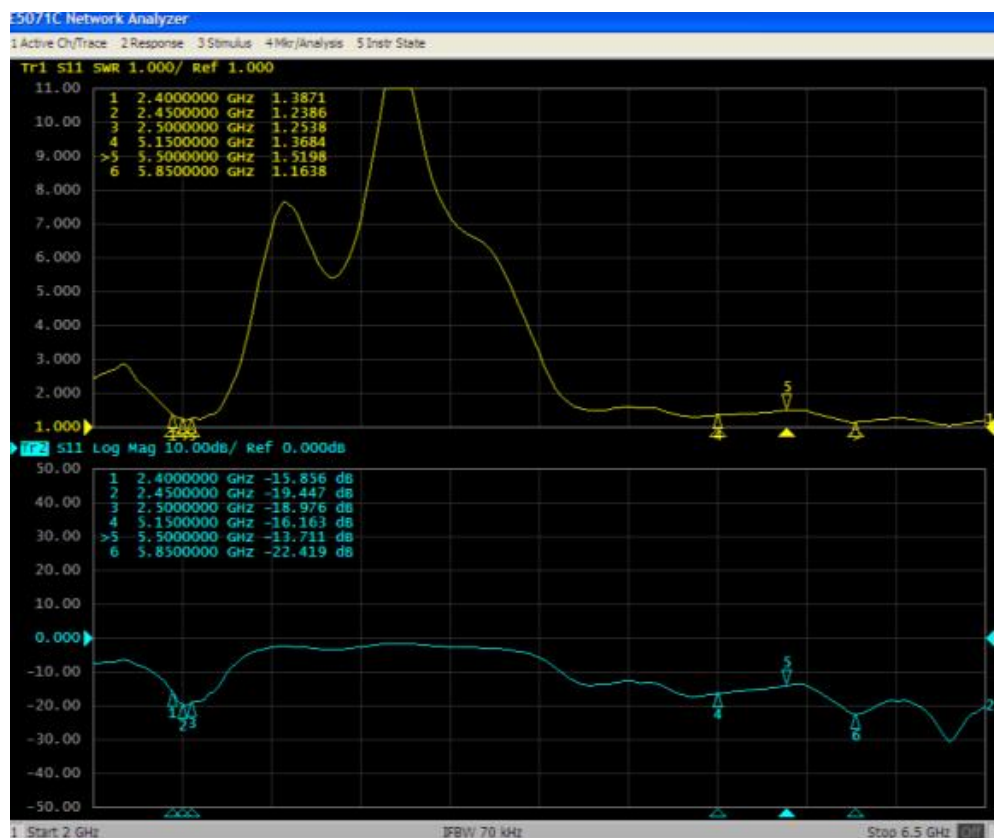
3. 电性测试报告Electrical Test Report

3.1 Test equipment

OTA 系統架構圖



3.2 网络分析仪测试报告

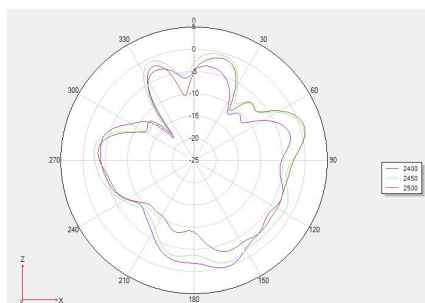


3.3 无源测试数据

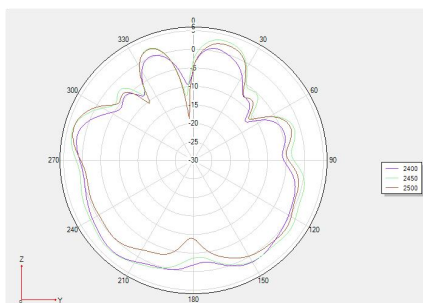
Frequency (MHz)	Efficiency (%)	Gain. (dBi)
2400MHz	60.26	3.14
2410MHz	60.81	3.06
2420MHz	61.81	3.22
2430MHz	67.26	3.68
2440MHz	66.93	3.69
2450MHz	68.72	3.82
2460MHz	67.83	3.62
2470MHz	63.11	3.34
2480MHz	67.11	3.75
2490MHz	62.46	3.24
2500MHz	69.26	3.63

2D、3D(2.4G)测试数据:

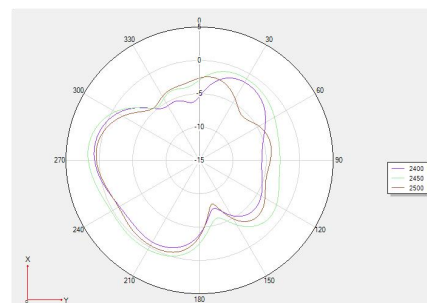
Phi 0 2D 图:



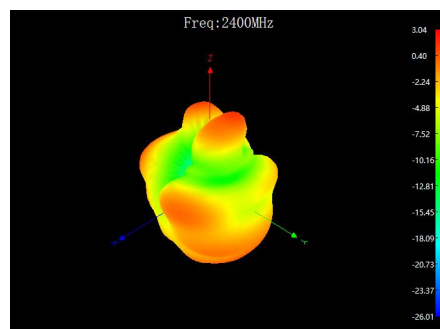
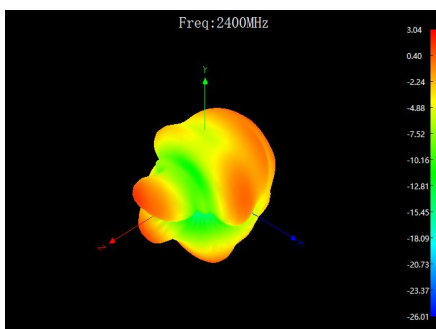
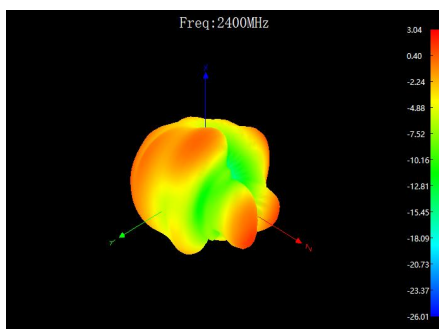
Phi 90 2D 图



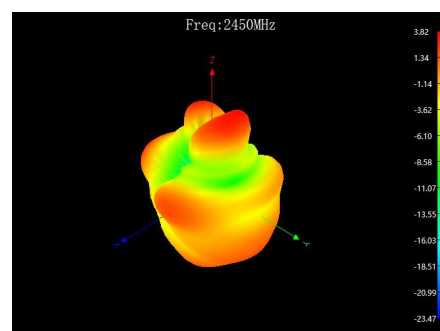
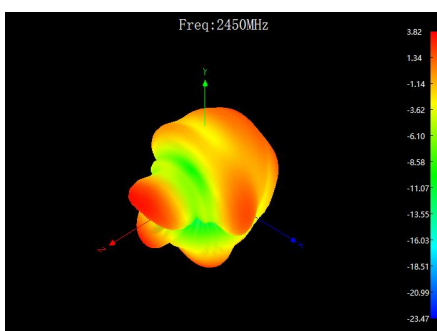
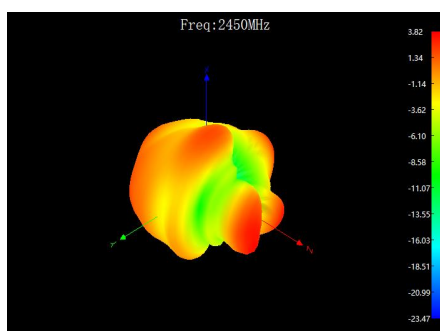
Theta 90 2D 图



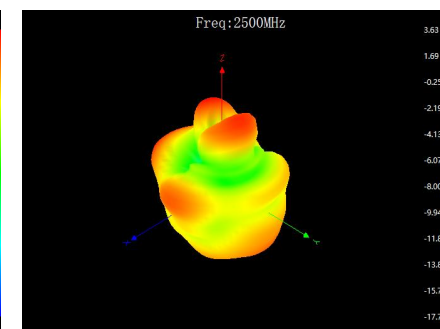
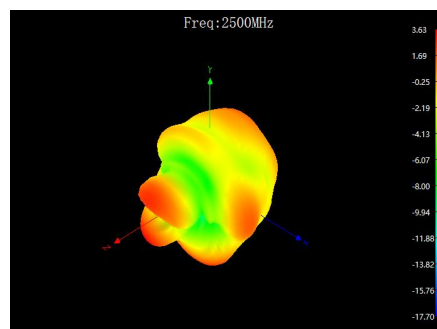
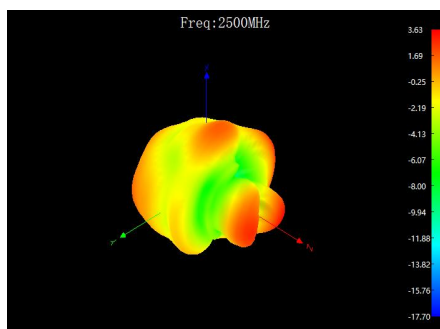
3D 2400:



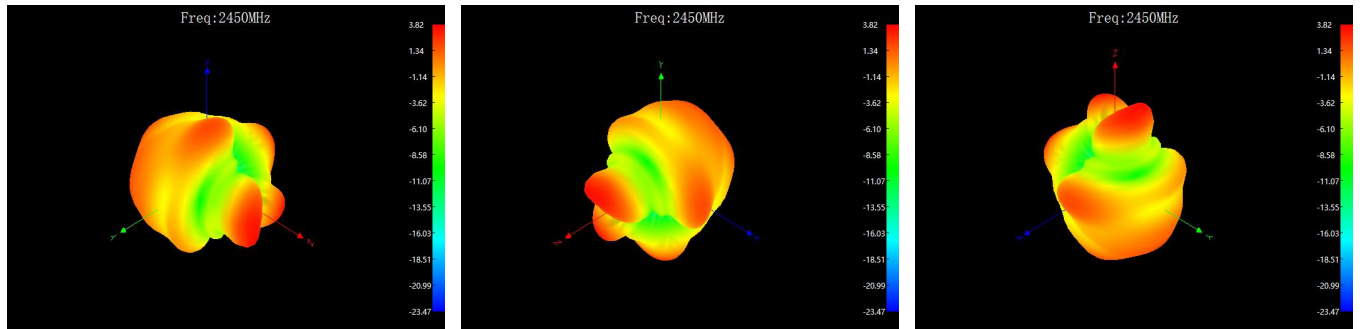
3D 2450:



3D 2500:



3D 2450:



3D 2500:

