

深圳旭航通讯科技有限公司

Shenzhen Xuhang Communication
Technology Co., Ltd

规格承认书

客户 CUSTOMER	
客户料号 CUSTOMER NO.	小绵羊
供方品名 PART NAME	2.4G 天线
规格名称 SUPPLIER NO.	XH250166

客户确认 CUSTOMER APPROVED BY		
检验 APPROVAL	审核 CHIEF	批准 SUPERVISOR

设计 DESIGN	审核 CHECK	批准 APPROVAL
Luo	Robert	SHANG

Date:November 20, 2025

DIRECTORY

[illegible]

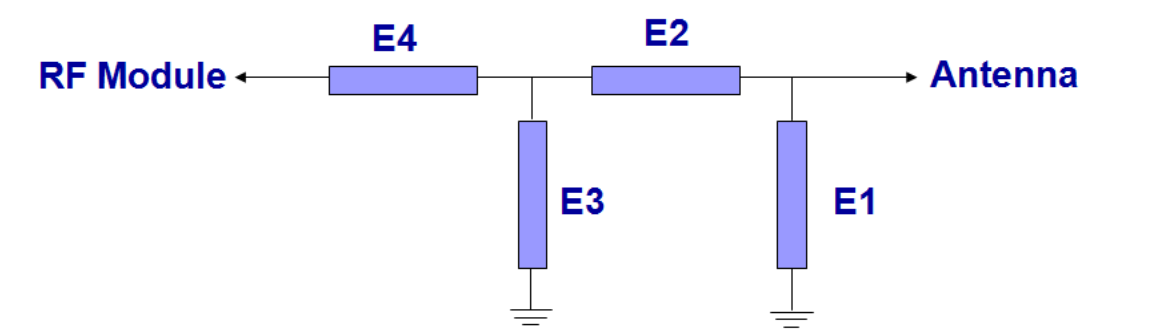
电性测试报告

TEST REPORTS

频率 Frequency	2.4G(2400~2500MHz)
阻抗 Impedance	50 Ohm Nominal
驻波比 V.S.W.R	≤2.0
回波损耗 Return Loss	-10dB Max
辐射 Radiation	Omni-directional
增益 Gain(Peak)	3.87dBi
极化方式 Polarization	Linear,Vertical
功率 Admitted Power	1W
连接器 Connector	I-PEX3
Physical Properties	
天线材质 Antenna Material	FPC
线材类型 Cable Type	O.D.0.81mm
工作温度 Operating Temp.	-10-+60℃
存储温度 Storage Temp.	-10-+70℃
线材颜色 Cable Color	Black

匹配电路

Matching Circuits



匹配电路

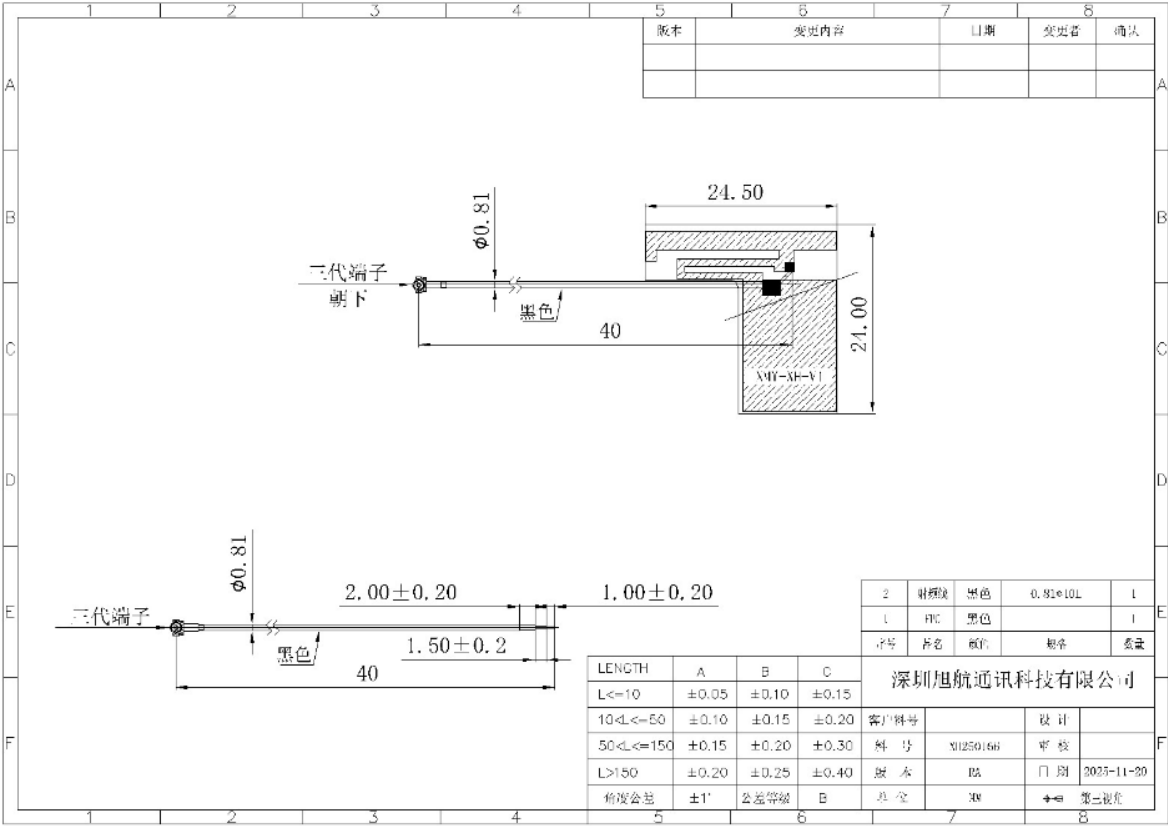
Element	Value	Vender
E1(0402)		
E2(0402)	0Ω	
E3(0402)		
E4(0402)	0Ω	

原匹配电路无修改

The original matching circuit has not been modified

工程图

DRAWING



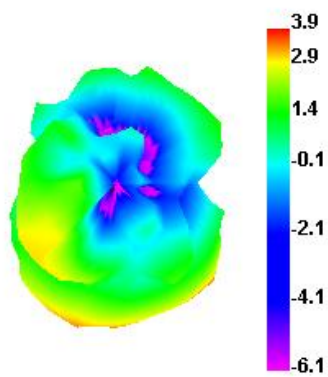
测试数据

Test Data

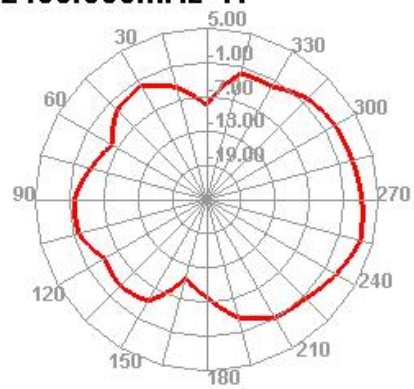
	Application Information				
	O4Version		5.271.371		
	TotalTime		7m 17s 465ms		
	AdditionalInfor		802.11b : 11MBps 20M		
Test Result	Wifi 2G TRP			Test Result	ifi 2G TI
	1	6	11		
Frequency (MHz)	2412	2437	2462	Frequency (MHz)	2462
Txp Ave(dBm)	16.35	16.31	16.7	Sens Ave(dBm)	-86.28
	Application Information				
	O4Version		5.271.371		
	TotalTime		9m 37s 65ms		
	AdditionalInfor		802.11g : 11MBps 20M		
Test Result	Wifi 2G TRP			Test Result	ifi 2G TI
	1	6	11		
Frequency (MHz)	2412	2437	2462	Frequency (MHz)	2462
Txp Ave(dBm)	15.23	16.35	17.65	Sens Ave(dBm)	-74.76
	Application Information				
	O4Version		5.271.371		
	TotalTime		11m 10s 546ms		
	AdditionalInfor		802.11n : 11MBps 20M		
Test Result	Wifi 2G TRP			Test Result	ifi 2G TI
	1	6	11		
Frequency (MHz)	2412	2437	2462	Frequency (MHz)	2462
Txp Ave(dBm)	16.17	16.87	16.77	Sens Ave(dBm)	-70.21

Effi (%)	Gain (dBi)	
-57.82	3.87	2400
-55.14	3.55	2410
-57.47	3.64	2420
-51.55	3.16	2430
-56.23	3.51	2440
-59.26	3.69	2450
-61.2	3.63	2460
-61.56	3.47	2470
-57.06	2.92	2480
-62.31	3.34	2490
-56.54	2.94	2500

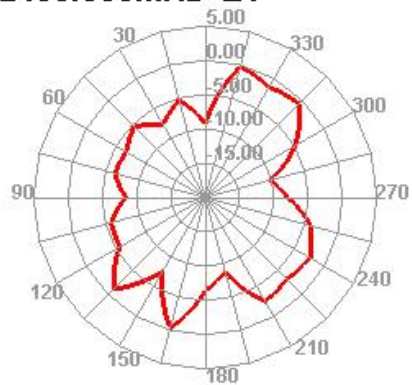
2400.000MHz



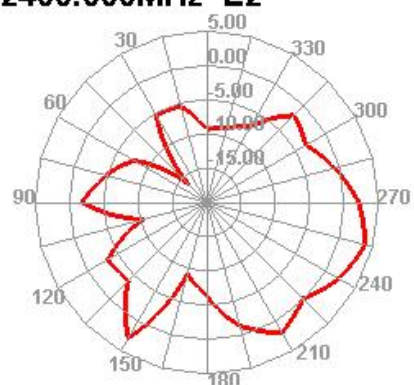
2400.000MHz H



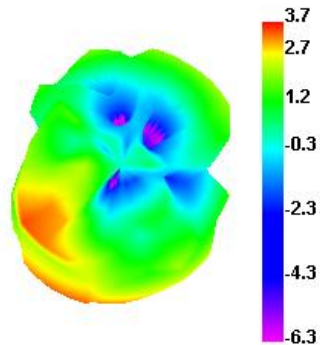
2400.000MHz E1



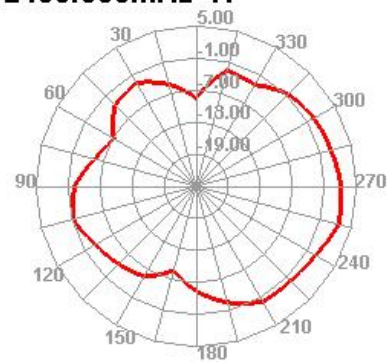
2400.000MHz E2



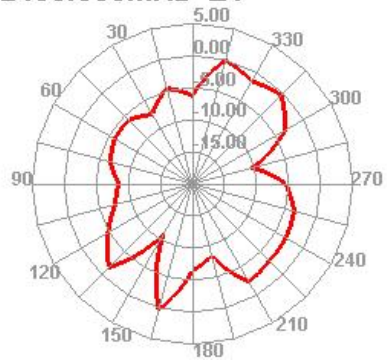
2450.000MHz



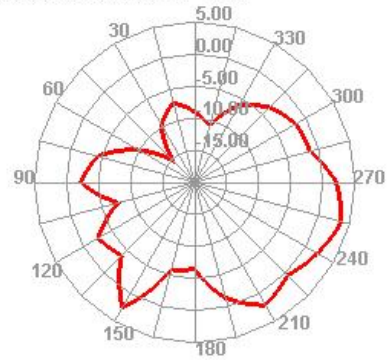
2450.000MHz H



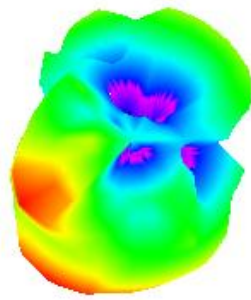
2450.000MHz E1



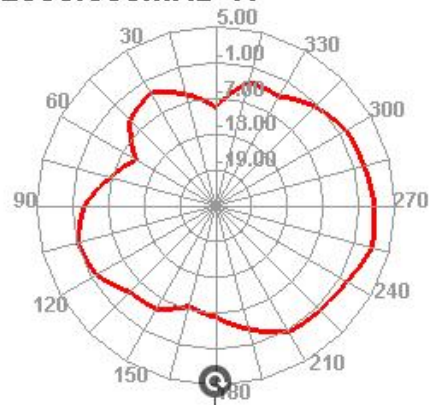
2450.000MHz E2



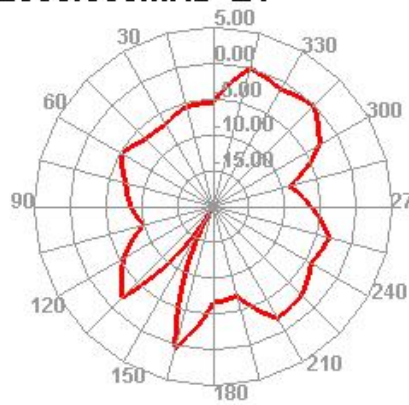
2500.000MHz



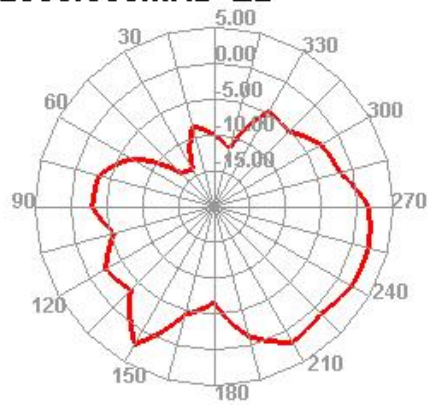
2500.000MHz H



2500.000MHz E1

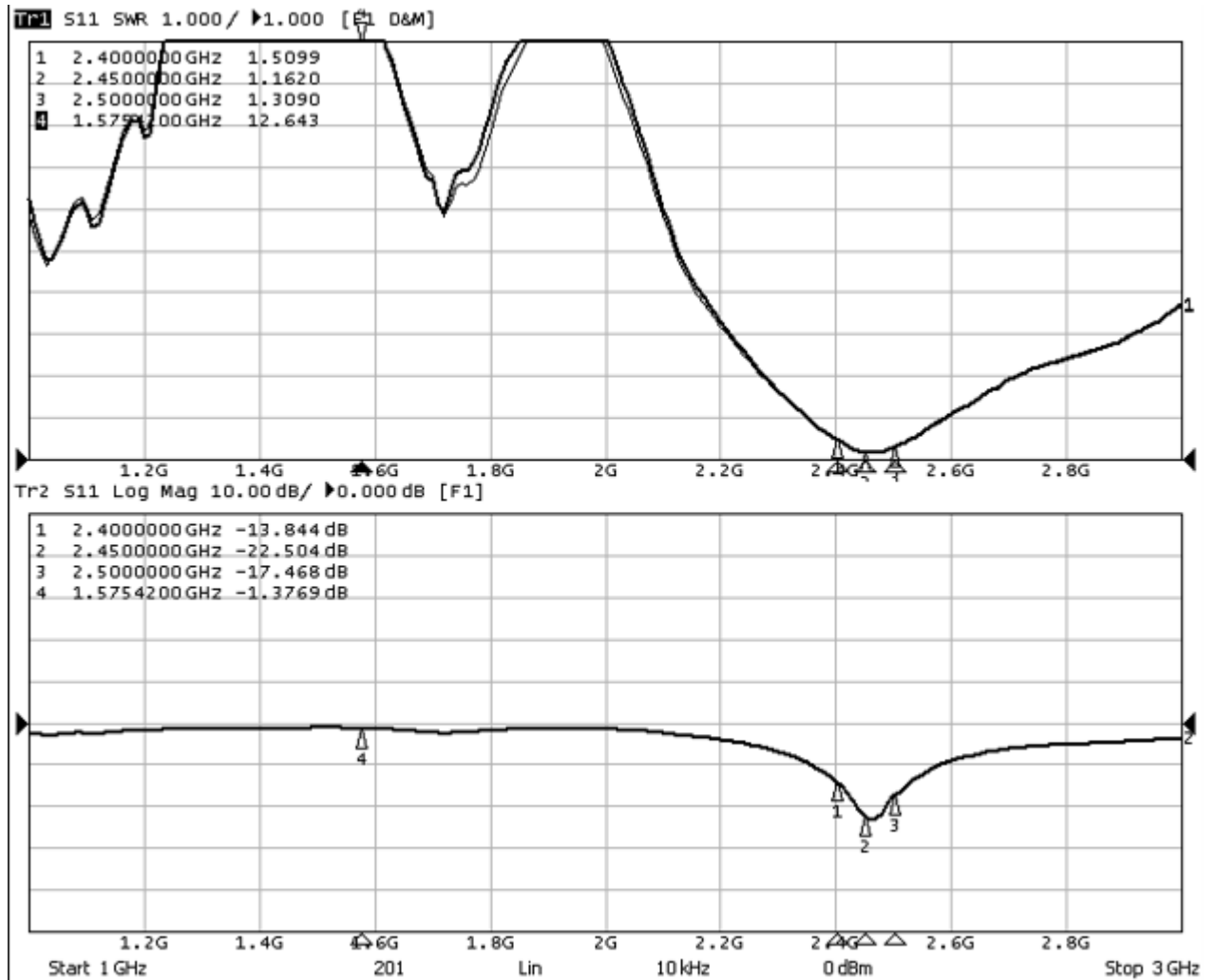


2500.000MHz E2



无源驻波

Test Data



天线安装位置

Antenna assembly position

