

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	齐钧科技（深圳）有限公司
客户料号 CUSTOMER NO.	2.4G antenna copper tube
供方品名 PART NAME	2.4G antenna
规格名称 SUPPLIER NO.	XH240037-F（Exposed L=105mm）

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: June 6,2024

DIRECTORY

[illegible]

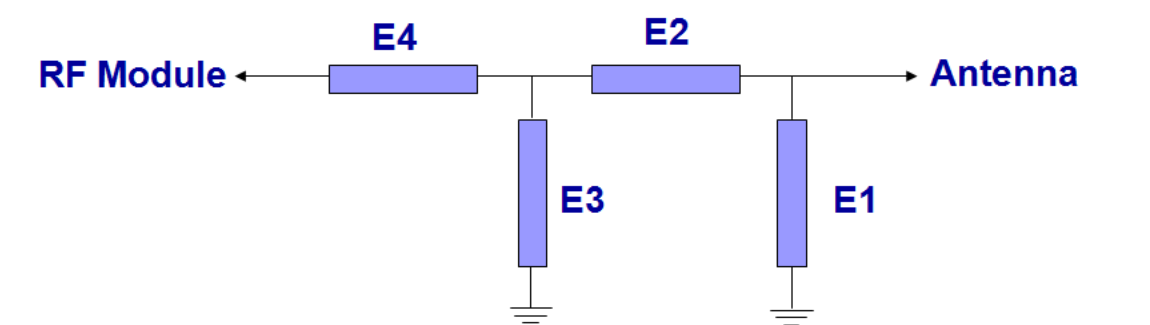
电性测试报告

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)	2.66dBi
极化方式 Polarization	Linear,Vertical
功率 Admitted Power	1W
连接器 Connector	I-PEX I
Physical Properties	
天线材质 Antenna Material	FPC
线材类型 Cable Type	O.D.1.13mm
工作温度 Operating Temp.	-10-+60℃
存储温度 Storage Temp.	-10-+70℃
线材颜色 Cable Color	Gay

匹配电路

Matching Circuits



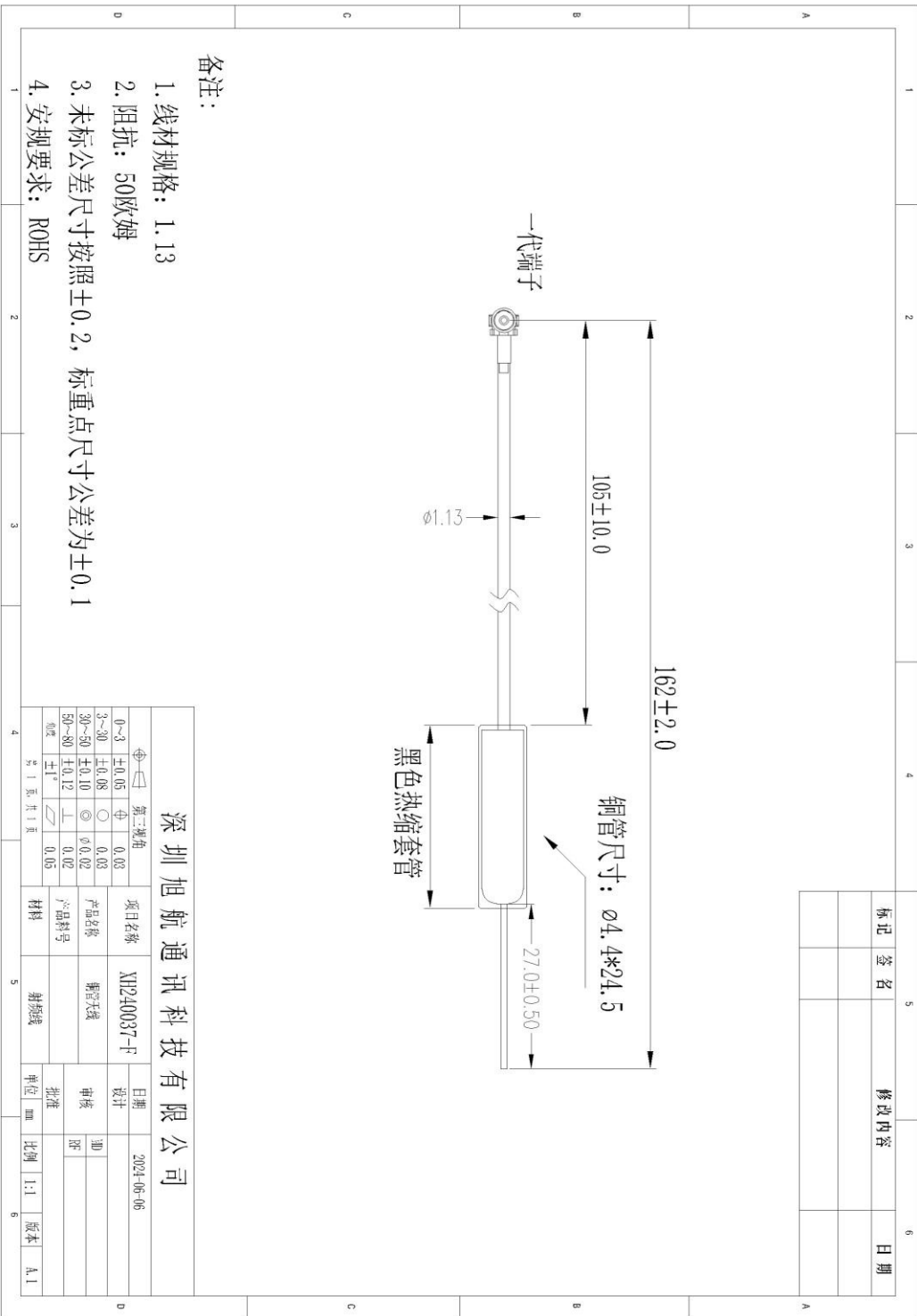
匹配电路

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

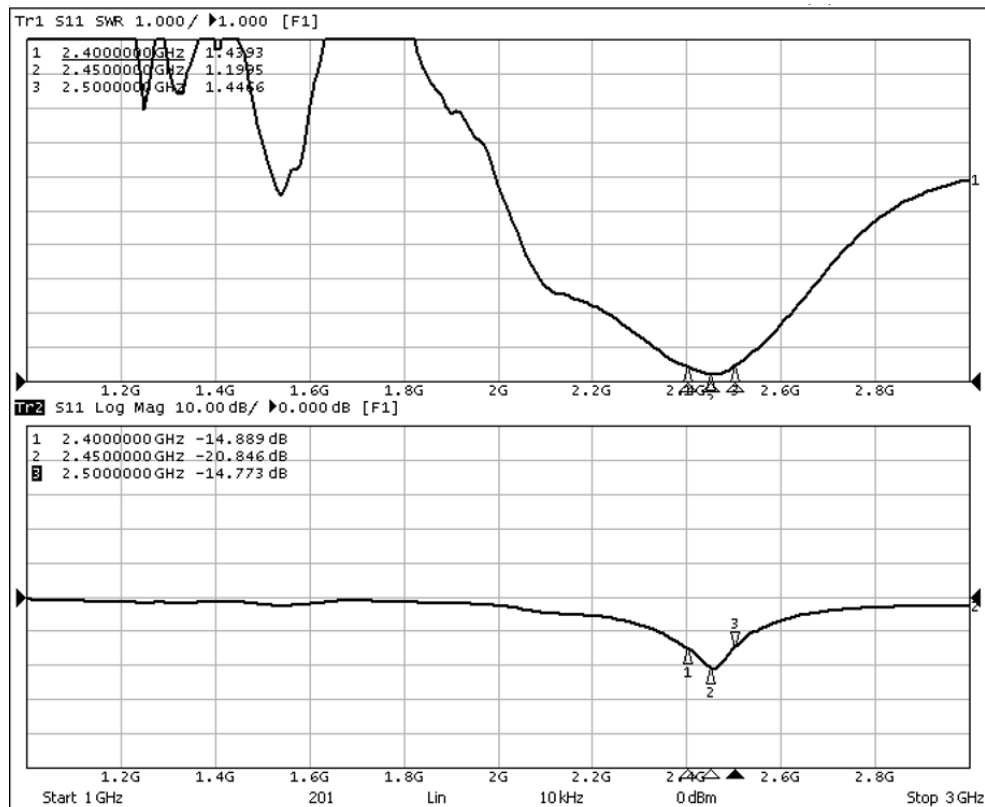


测试数据

Test Data

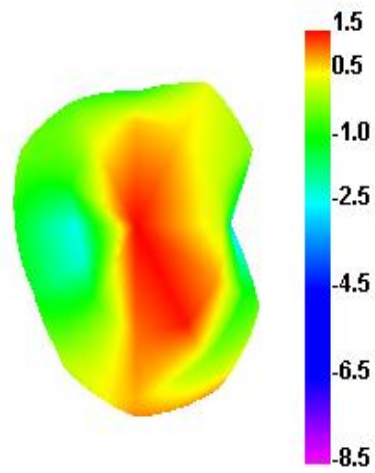
Freq (MHz)	Effi (%)	Gain (dBi)
2400	58.97	1.47
2410	52.7	0.96
2420	62.42	1.92
2430	62.74	2.05
2440	66.54	2.58
2450	64.83	2.66
2460	60.41	2.36
2470	60.98	2.38
2480	49.68	1.32
2490	58.56	2.2
2500	50.8	1.39

Passive standing wave

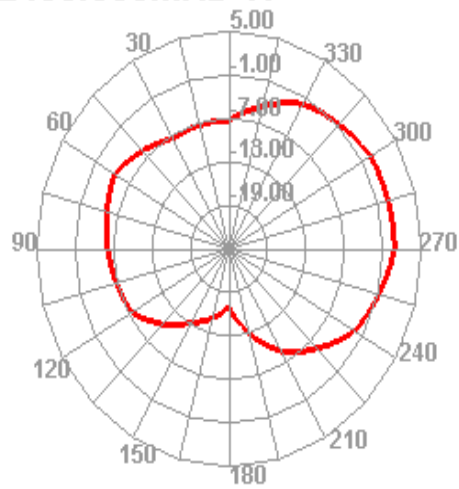


3D directional diagram

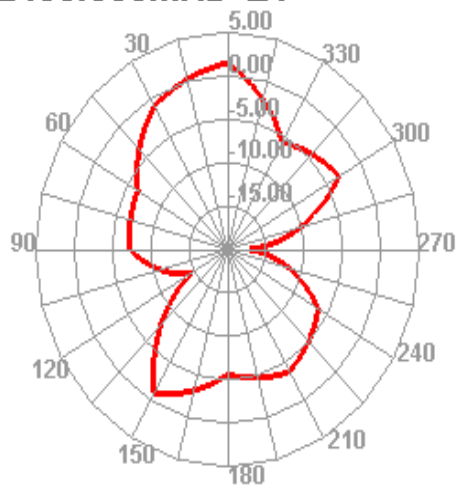
2400.000MHz



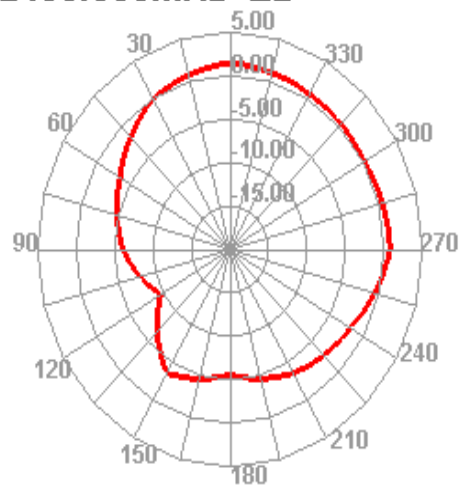
2400.000MHz H



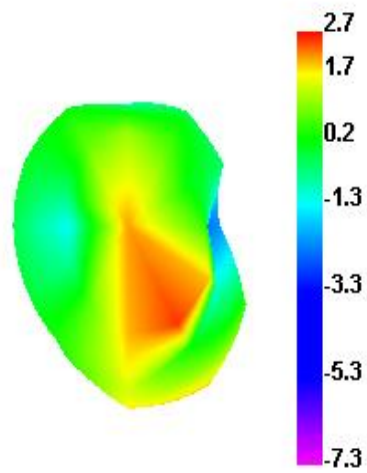
2400.000MHz E1



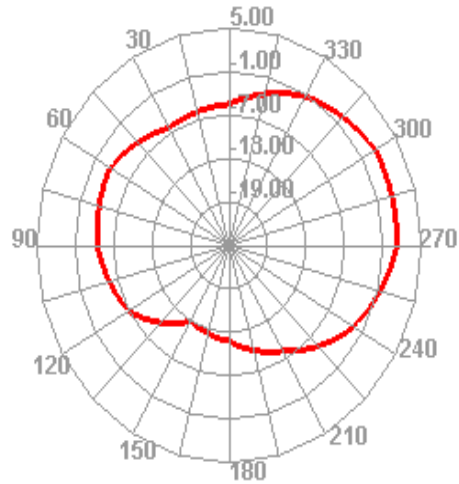
2400.000MHz E2



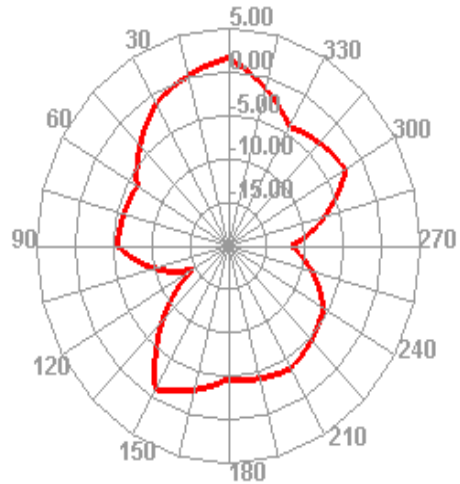
2450.000MHz



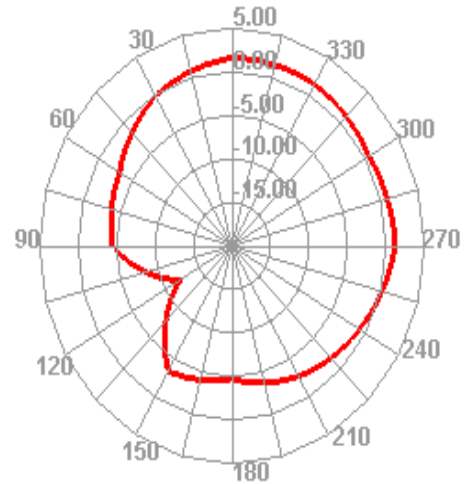
2450.000MHz H



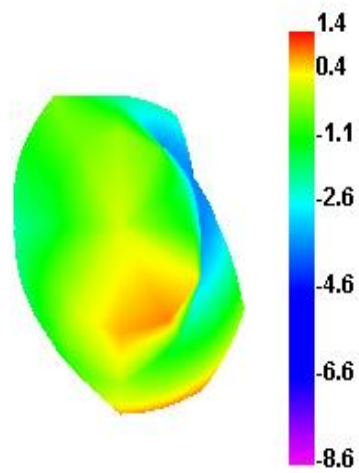
2450.000MHz E1



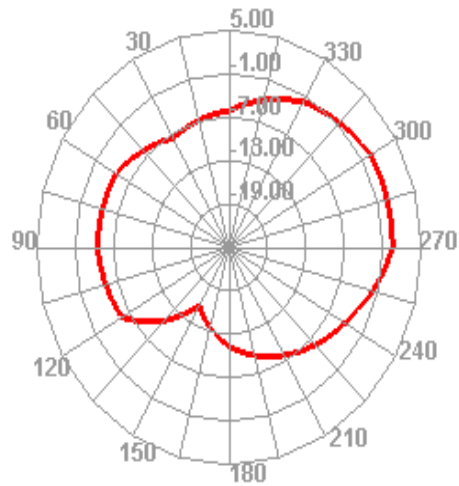
2450.000MHz E2



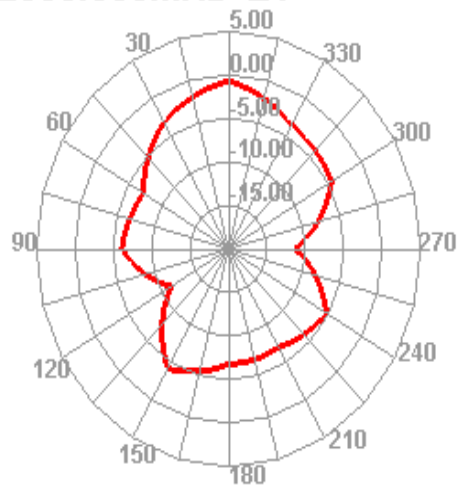
2500.000MHz



2500.000MHz H



2500.000MHz E1



2500.000MHz E2

