

深圳旭航通讯科技有限公司

Shenzhen Xuhang Communication

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规格承认书

客户 CUSTOMER	
客户料号 CUSTOMER NO.	
供方品名 PART NAME	WIFI antenna
规格名称 SUPPLIER NO.	

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 18, 2025

DIRECTORY

NO.	Contents	Number of Page	Page Code
1	Spec Cover	1	1
2	DIRECTORY	1	2
3	Test Reports	1	3
4	Matching Circuits	1	4
5	DRAWING	1	5
6	Test Data	3	6-9
7	Antenna assembly position	1	10

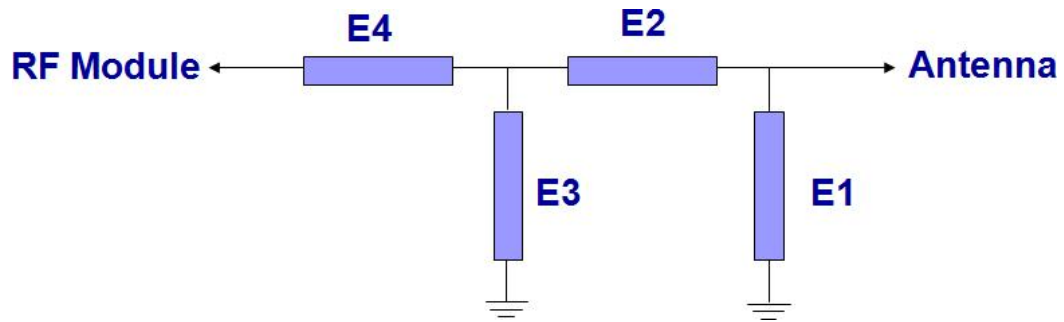
电性测试报告

TEST REPORTS

频率 Frequency	WIFI(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)	2.62dBi
极化方式 Polarization	Linear, Vertical
功率 Admitted Power	1W
连接器 Connector	
Physical Properties	
天线材质 Antenna Material	copper
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	Black

匹配电路

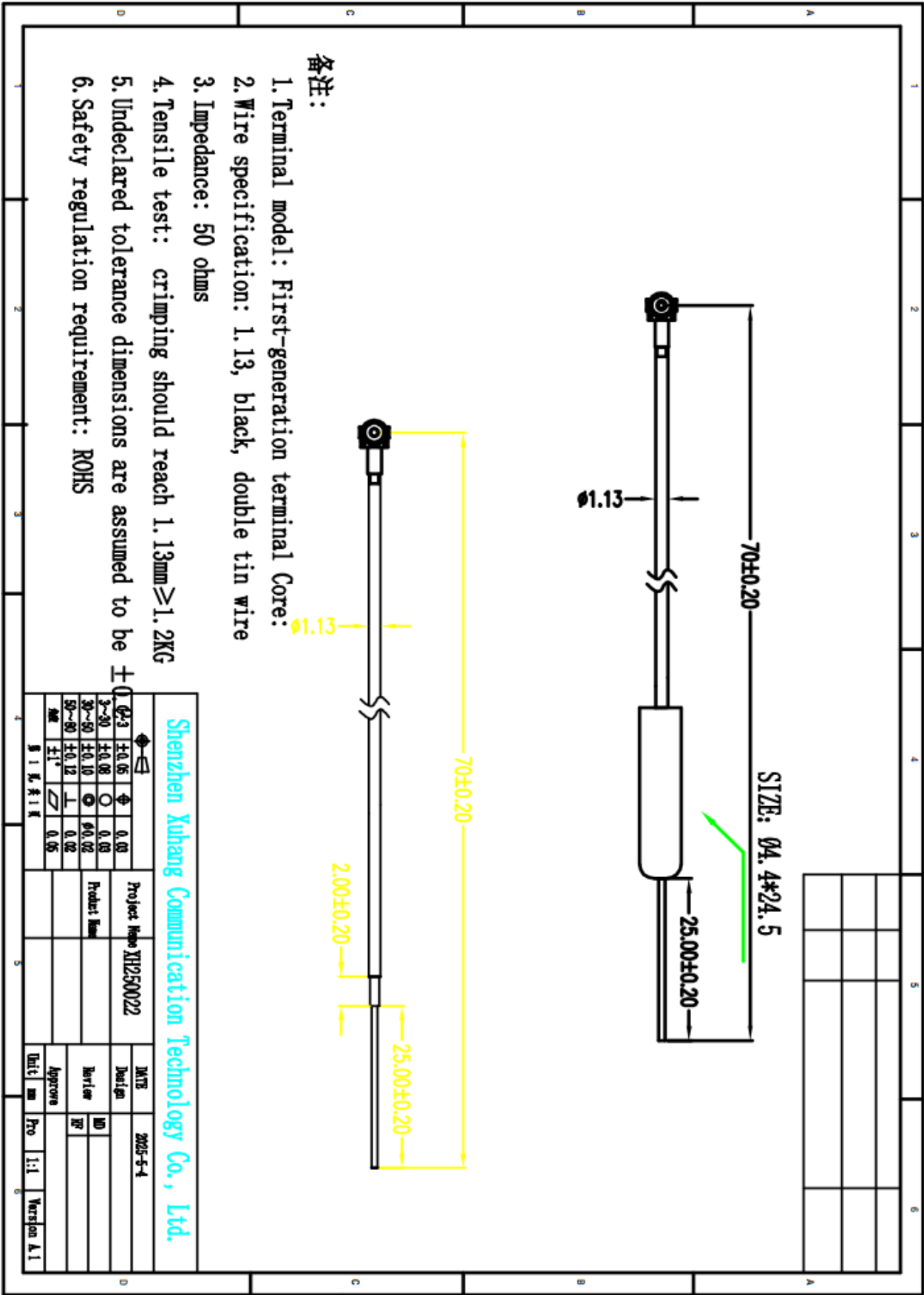
Matching Circuits



匹配电路

The original matching circuit has not been modified

DRAWING



测试数据

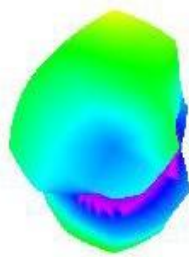
Test Data

无源数据

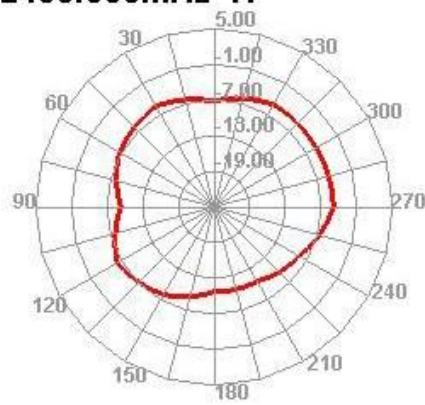
Freq (MHz)	Effi (%)	Gain (dBi)
2400	51.26	1.77
2410	46.04	1.15
2420	52.73	1.88
2430	55.5	2.17
2440	60.99	2.62
2450	53.24	1.8
2460	48.66	1.56
2470	49.38	1.5
2480	46.48	1.15
2490	54.5	1.64
2500	57.36	2.04

3D 方向图

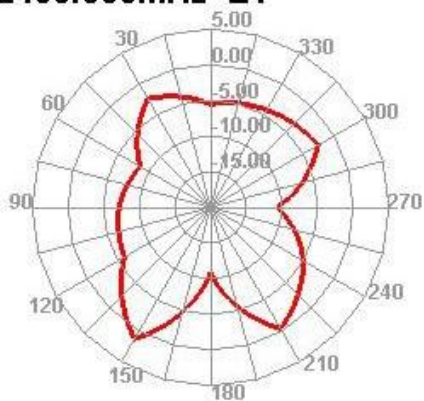
2400.000MHz



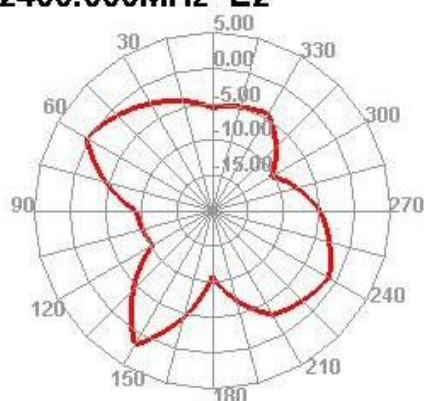
2400.000MHz H



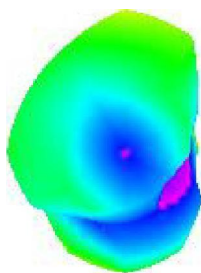
2400.000MHz E1



2400.000MHz E2

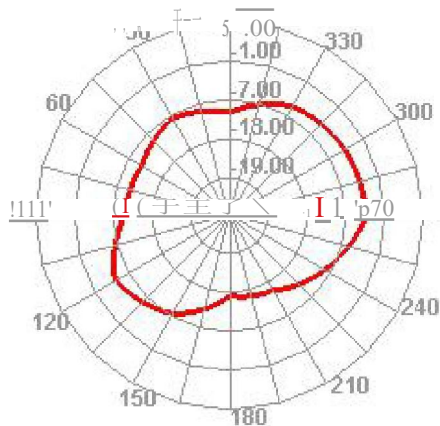


2450.000MHz

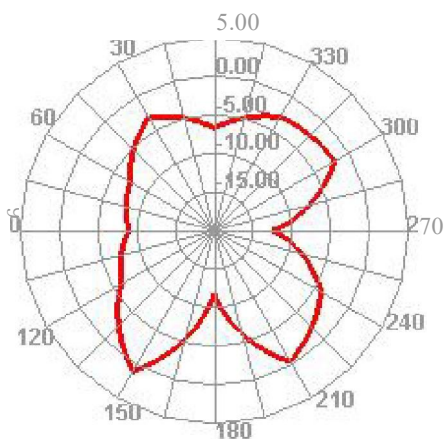


1.8
0.8
-0.7
-2.2
-4.2
-6.2
-8.2

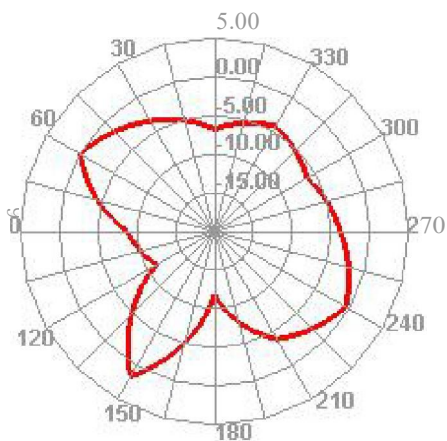
2450.000MHz H



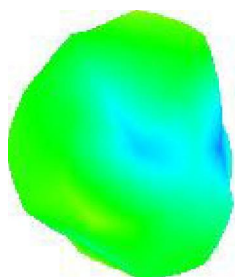
2450.000MHz E1



2450.000MHz E2

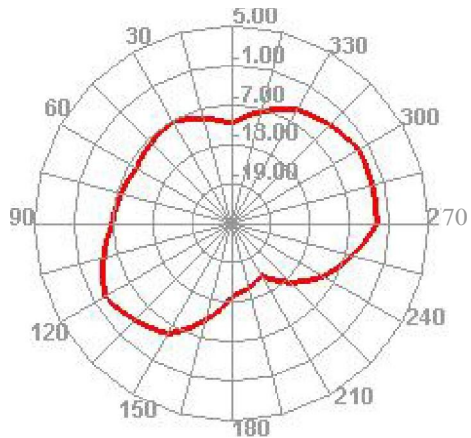


2500.000MHz

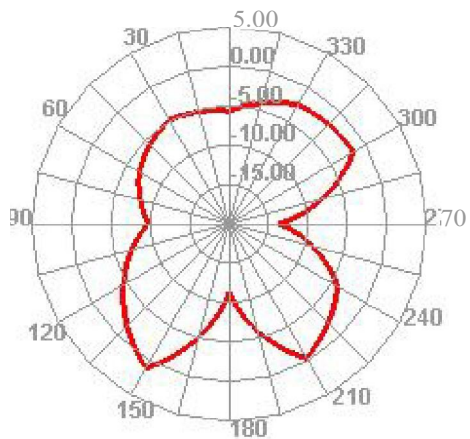


2.0
1.0
-0.5
-2.0
-4.0
-6.0
-8.0

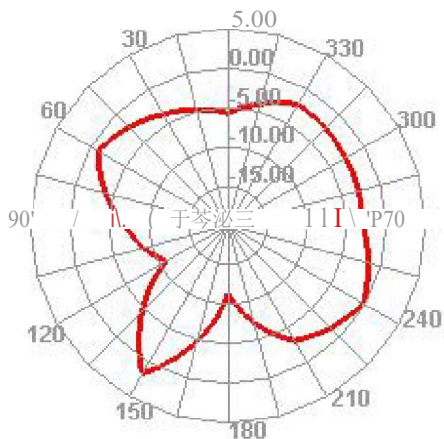
2500.000MHz H



2500.000MHz E1

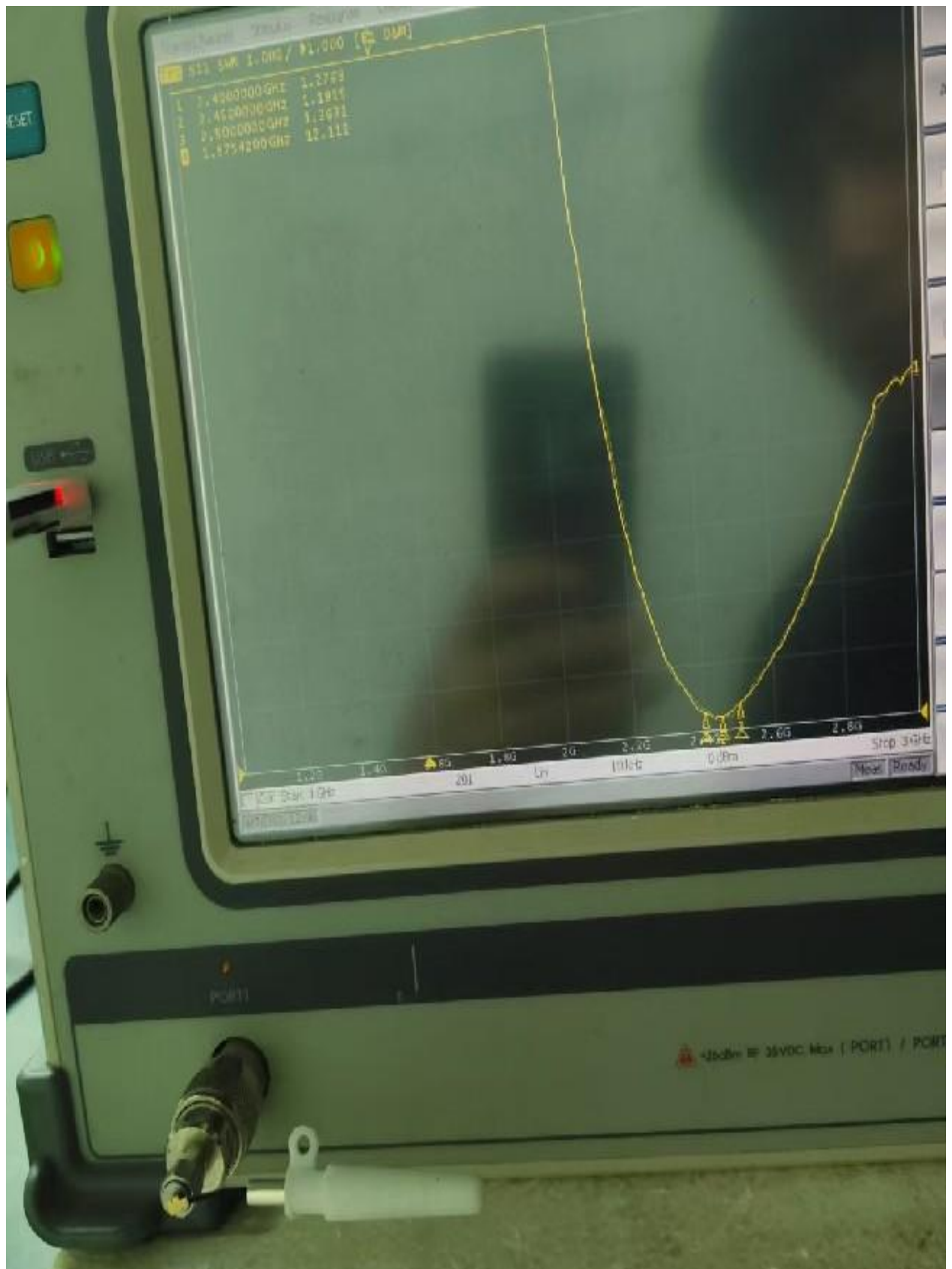


2500.000MHz E2



无源驻波

Standing wave loss



天线安装位置

Antenna assembly position

