

深圳旭航通讯科技有限公司

Shenzhen Xuhang Communication

规格承认书

客户 CUSTOMER	锐图
客户料号 CUSTOMER NO.	
供方品名 PART NAME	WIFI 天线 2.4G/5G
规格名称 SUPPLIER NO.	XH250024 (L: 135MM)

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: March 13, 2025

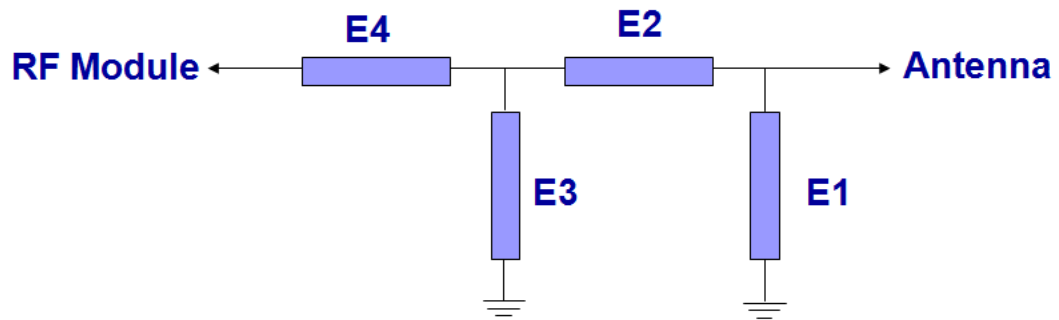
电性测试报告

TEST REPORTS

频率 Frequency	WIFI(2400~2500; 5150-5850MHz)
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)	2.4G:3.09dBi 5.8G:3.04dBi
极化方式 Polarization	Linear,Vertical
功率 Admitted Power	1W
连接器 Connector	I-PEX1
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°C
存储温度 Storage Temp.	-10-+70°C
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

测试数据

Test Data

Application Information					
O4Version		5.256.357			
TotalTime		6m 54s 575ms			
AdditionalInfor		802.11b : 11Mbps			
Test Result	Wifi 2G TRP			Test Result	Wifi 2G TIS
	1	6	11		11
Frequency (MHz)	2412	2437	2462	Frequency (MHz)	2462
Txp Ave (dBm)	20.08	20.11	19.15	Sens Ave (dBm)	-80.96

Application Information					
O4Version		5.256.357			
TotalTime		6m 28s 614ms			
AdditionalInfor		802.11g : 54Mbps			
Test Result	Wifi 2G TRP			Test Result	Wifi 2G TIS
	1	6	11		11
Frequency (MHz)	2412	2437	2462	Frequency (MHz)	2462
Txp Ave (dBm)	18.44	18.41	19.55	Sens Ave (dBm)	-71.67

Application Information					
O4Version		5.256.357			
TotalTime		6m 24s 360ms			
AdditionalInfor		802.11n : MCS7			
Test Result	Wifi 2G TRP			Test Result	Wifi 2G TIS
	1	6	11		11
Frequency (MHz)	2412	2437	2462	Frequency (MHz)	2462
Txp Ave (dBm)	20.04	19.89	18.32	Sens Ave (dBm)	-67.58

Application Information					
O4Version		5.256.357			
TotalTime		6m 26s 104ms			
AdditionalInfor		802.11a : 54Mbps			
Test Result	Wifi 5G TRP			Test Result	Wifi 5G TIS
	36	116	161		161
Frequency (MHz)	5180	5580	5805	Frequency (MHz)	5805
Txp Ave (dBm)	17.88	18.45	17.61	Sens Ave (dBm)	-73.47

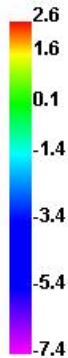
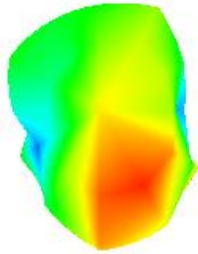
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Freq (MHz)	Effi (%)	Gain (dBi)
2400	56.76	2.6
2410	50.28	2.2
2420	59.08	2.97
2430	58.27	2.91
2440	60.71	3.09
2450	58.88	2.98
2460	54.83	2.72
2470	56.82	2.96
2480	46.06	2.12
2490	55.23	2.9
2500	45.89	2.06

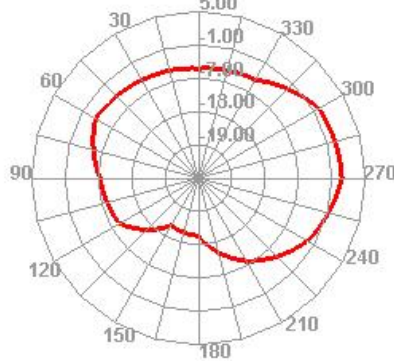
Freq (MHz)	Effi (%)	Gain (dBi)
5150	47.85	0.62
5550	52.76	2.8
5850	50.69	3.04

3D 方向图

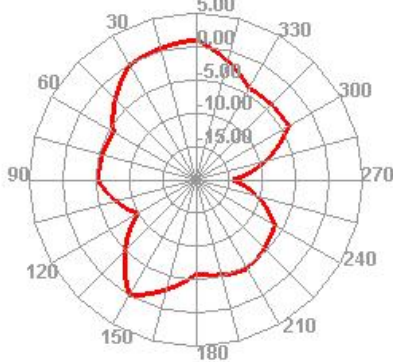
2400.000MHz



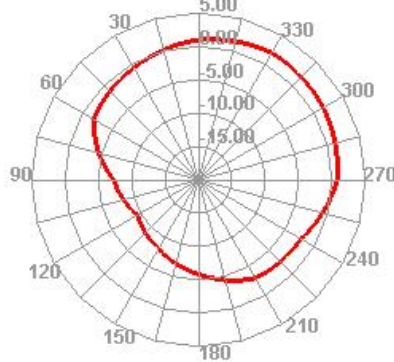
2400.000MHz H



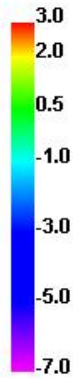
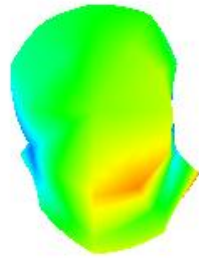
2400.000MHz E1



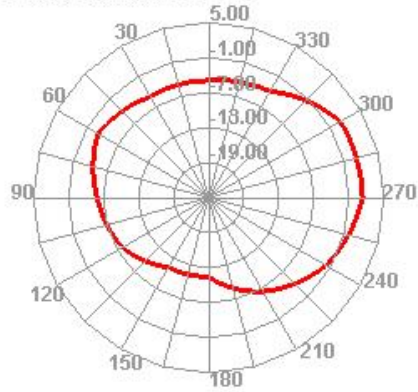
2400.000MHz E2



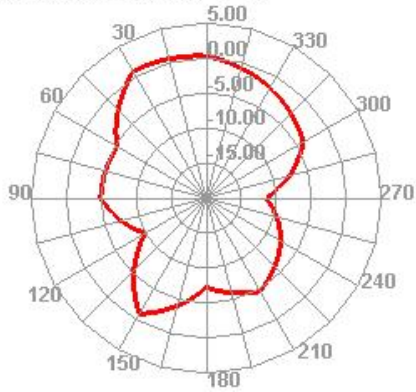
2450.000MHz



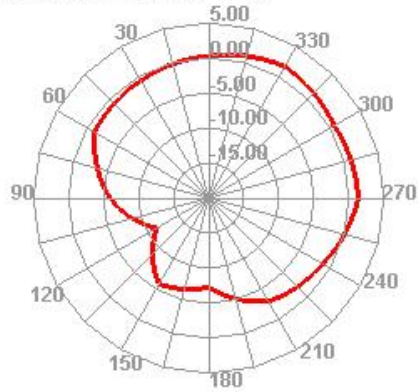
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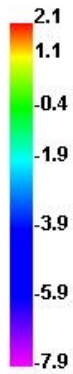
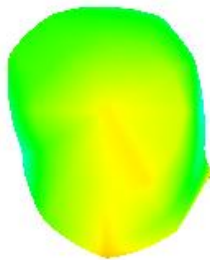
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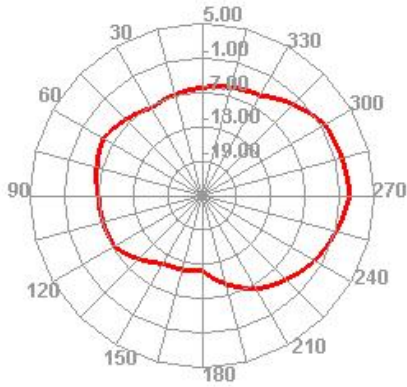
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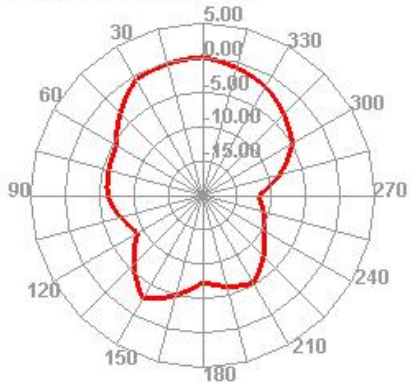
2500.000MHz



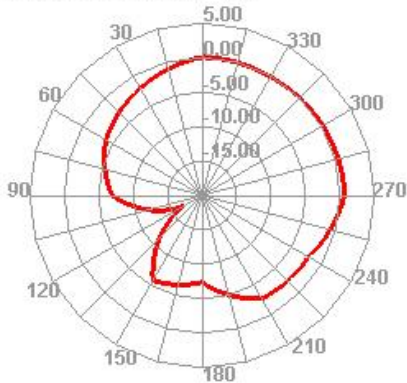
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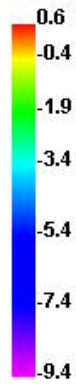
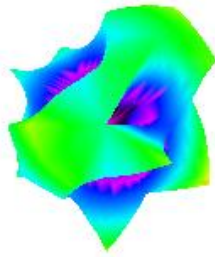
2500.000MHz E1



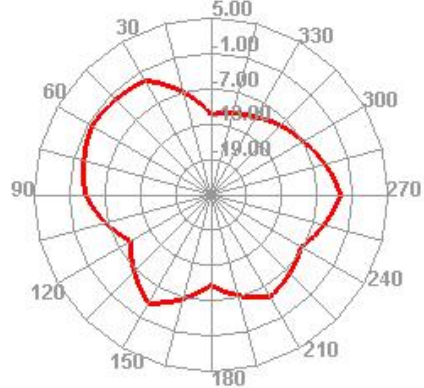
2500.000MHz E2



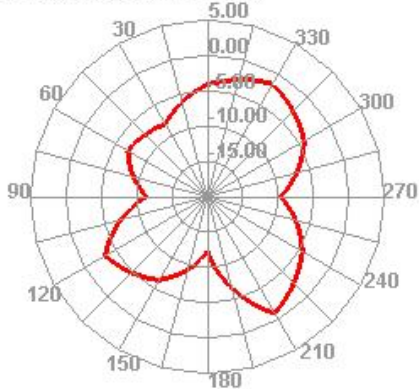
5150.000MHz



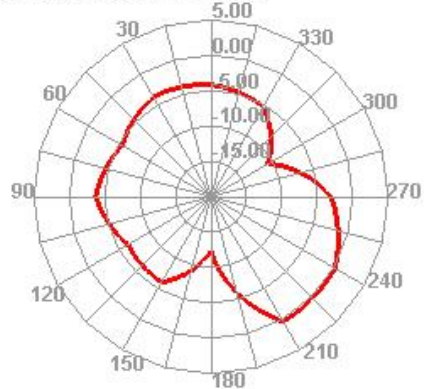
5150.000MHz H



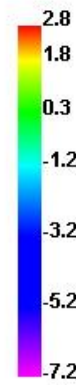
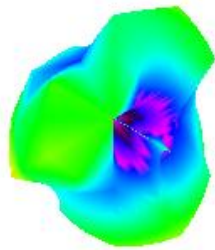
5150.000MHz E1



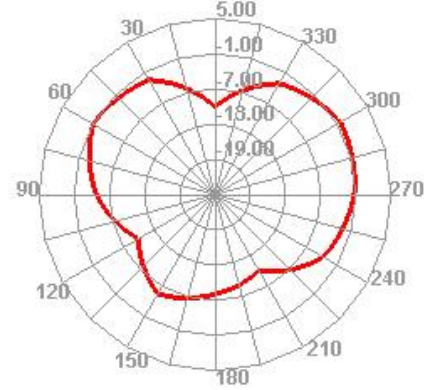
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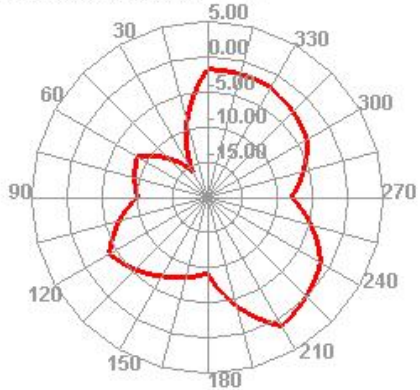
5550.000MHz



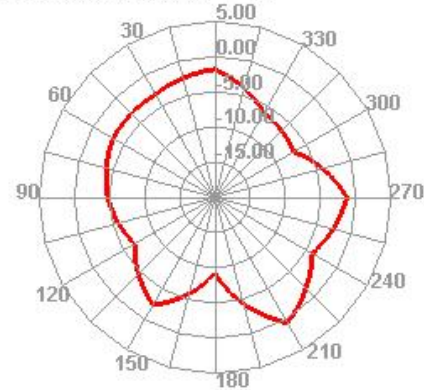
5550.000MHz H



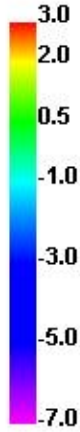
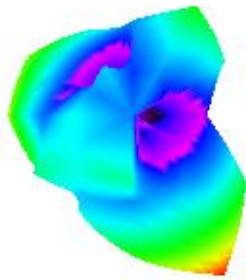
5550.000MHz E1



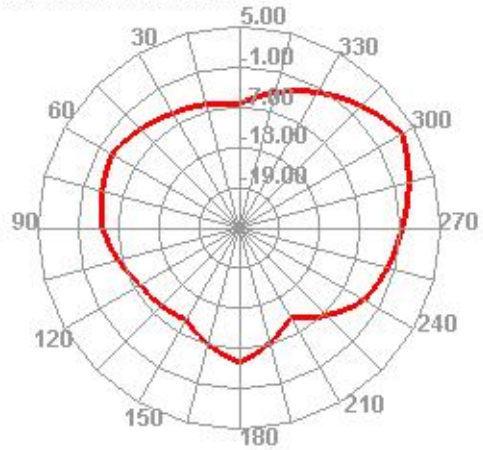
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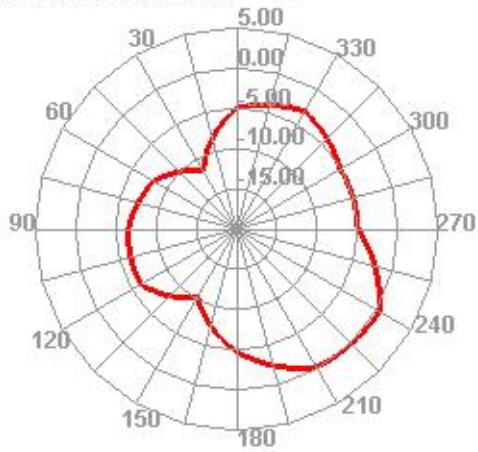
5850.000MHz



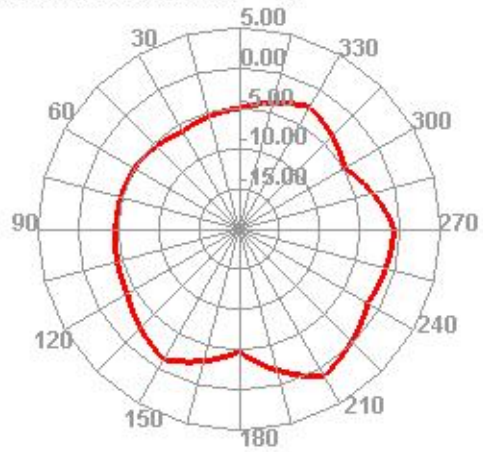
5850.000MHz H



5850.000MHz E1

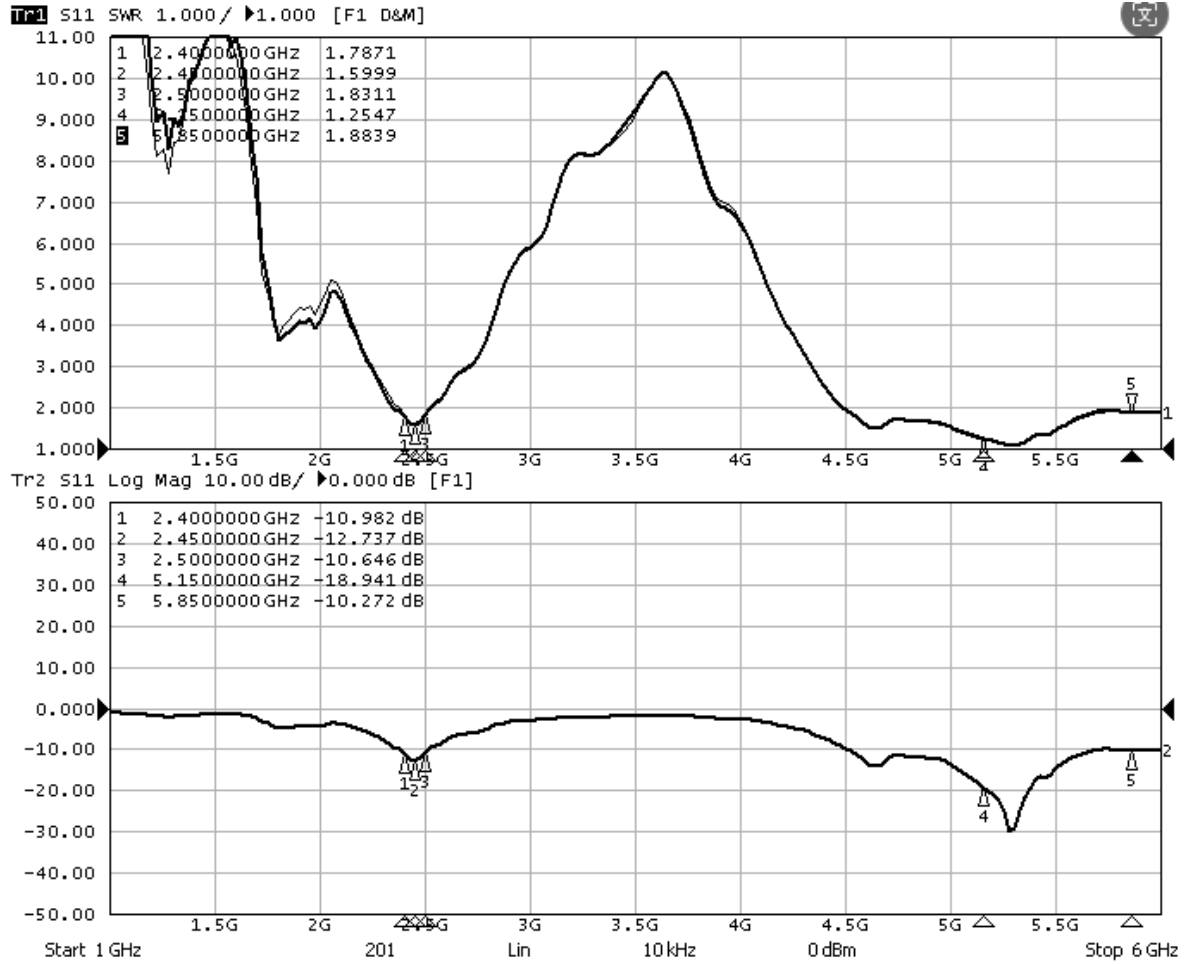


5850.000MHz E2



无源驻波

Standing wave loss



天线安装位置

Antenna assembly position

