

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	臻嘉
客户料号 CUSTOMER NO.	RG261
供方品名 PART NAME	WIFI 天线
规格名称 SUPPLIER NO.	XH240087

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:26 Rd of July.2024

DIRECTORY

[illegible]

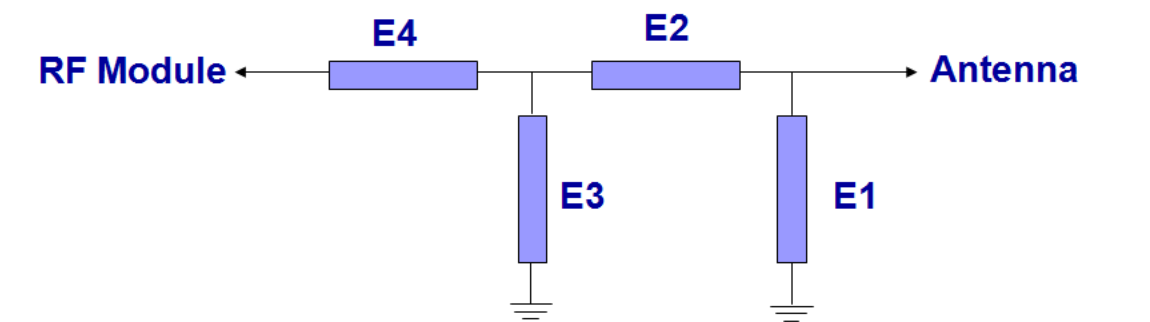
电性测试报告

TEST REPORTS

频率 Frequency	WIFI(2400~2500MHz;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: 2.98dBi 5G: 2.91dBi
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	Black

匹配电路

Matching Circuits



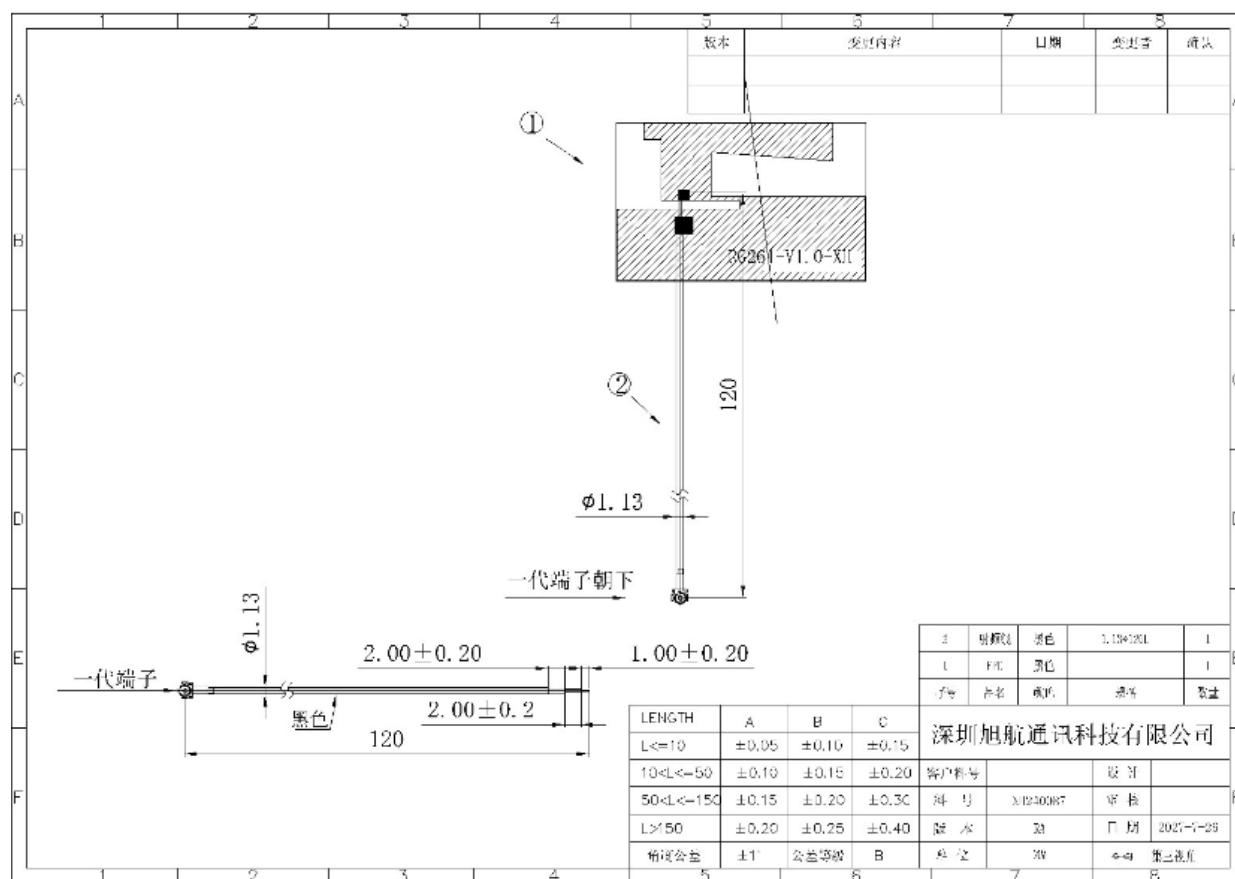
匹配电路

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

2.4G 测试数据

	Application Information				
	O4Version		5.256.357		
	TotalTime		8m 7s 797ms		
	AdditionalInfor		802.11b : 11Mbps		
Test Result	Wifi 2G TRP			Test Result	ifi 2G TIS
	1	6	11		11
Frequency (MHz)	2412	2437	2462	Frequency (MHz)	2462
Txp Ave(dBm)	16.6	15.95	15.98	Sens Ave(dBm)	-81.94

	Application Information				
	O4Version		5.256.357		
	TotalTime		6m 10s 690ms		
	AdditionalInfor		802.11g : 54Mbps		
Test Result	Wifi 2G TRP			Test Result	ifi 2G TIS
	1	6	11		11
Frequency (MHz)	2412	2437	2462	Frequency (MHz)	2462
Txp Ave(dBm)	12.24	12.36	14.42	Sens Ave(dBm)	-69.48

	Application Information				
	O4Version		5.256.357		
	TotalTime		6m 16s 636ms		
	AdditionalInfor		802.11n : MCS7		
Test Result	Wifi 2G TRP			Test Result	ifi 2G TIS
	1	6	11		11
Frequency (MHz)	2412	2437	2462	Frequency (MHz)	2462
Txp Ave(dBm)	12.23	12.16	12.43	Sens Ave(dBm)	-67.71

5G 测试数据

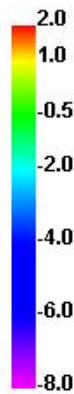
	Application Information				
	O4Version		5.256.357		
	TotalTime		6m 27s 224ms		
	AdditionalInfor		802.11a : 54Mbps		
Test Result	Wifi 5G TRP			Test Result	ifi 5G TIS
	36	116	161		161
Frequency (MHz)	5180	5580	5805	Frequency (MHz)	5805
Txp Ave(dBm)	13.93	14.19	14.71	Sens Ave(dBm)	-71.3

无源测试数据

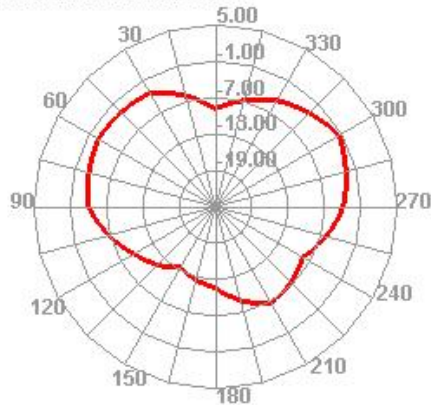
Freq (MHz)	Effi (%)	Gain (dBi)
2400	49.29	2.02
2410	46.8	1.65
2420	55.45	2.59
2430	54.99	2.61
2440	52.61	2.45
2450	46.42	1.74
2460	43.11	1.11
2470	48.27	1.66
2480	49.87	1.91
2490	59.23	2.98
2500	50.74	2.13

Freq (MHz)	Effi (%)	Gain (dBi)
5150	39.29	1.89
5550	54.09	1.56
5850	57.01	2.91

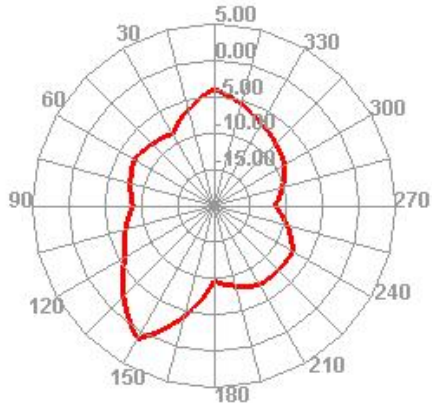
2400.000MHz



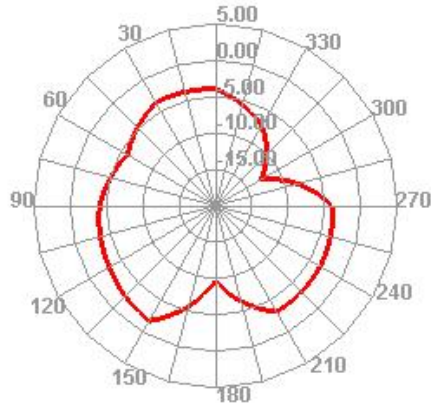
2400.000MHz H



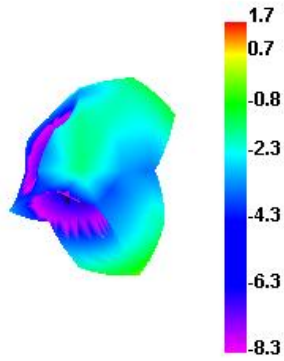
2400.000MHz E1



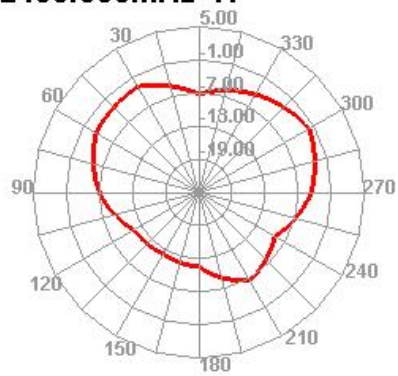
2400.000MHz E2



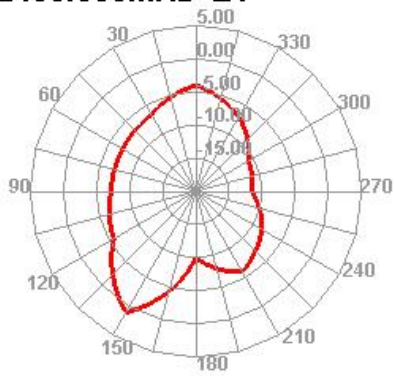
2450.000MHz



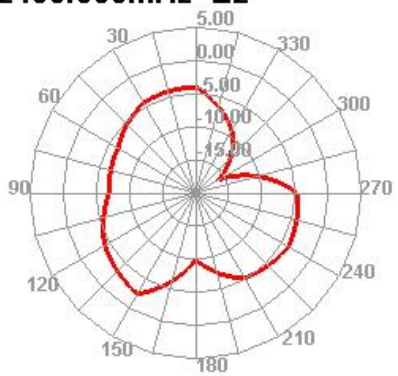
2450.000MHz H



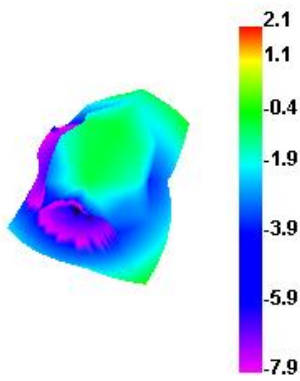
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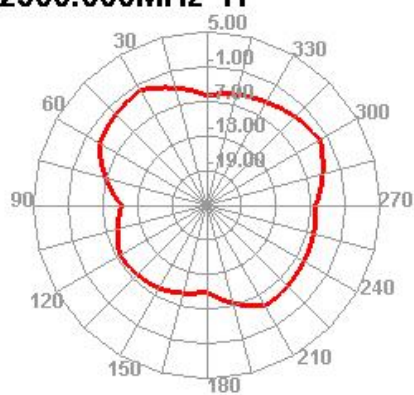
2450.000MHz E2



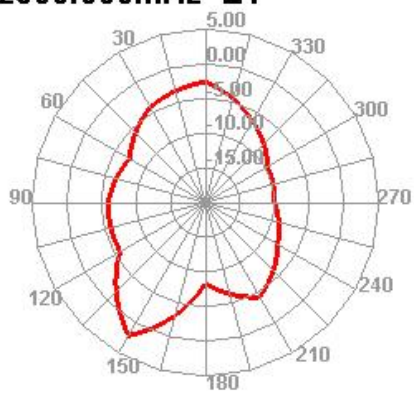
2500.000MHz



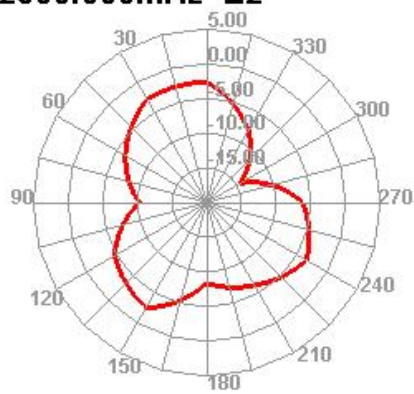
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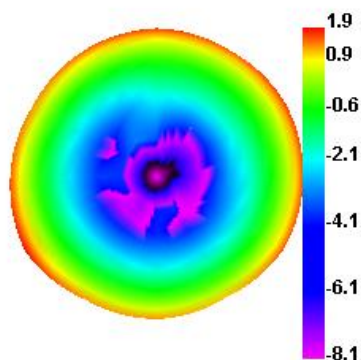
2500.000MHz E1



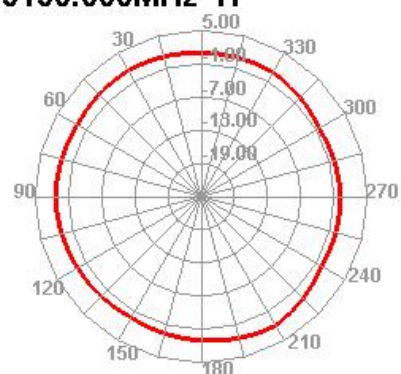
2500.000MHz E2



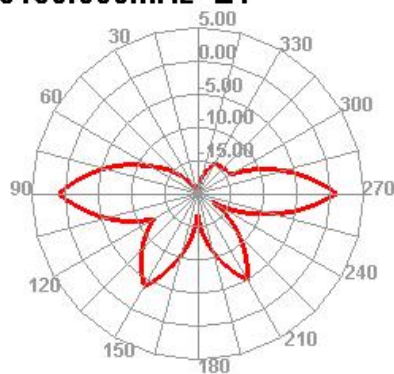
5150.000MHz



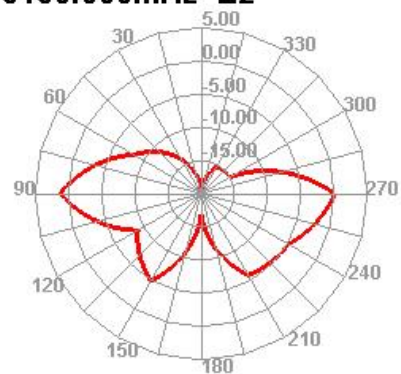
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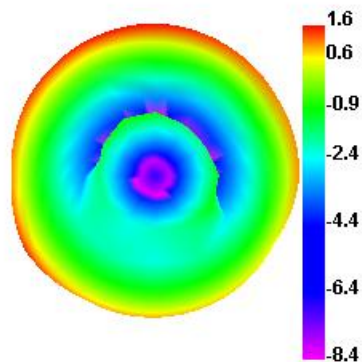
5150.000MHz E1



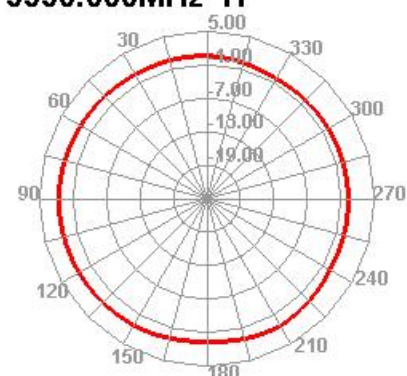
5150.000MHz E2



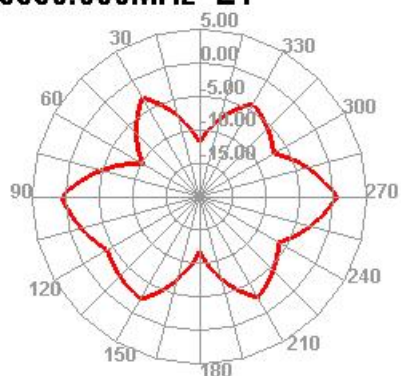
5550.000MHz



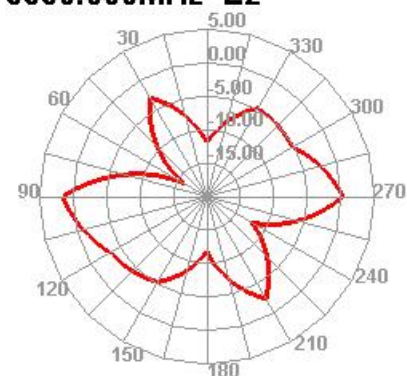
5550.000MHz H



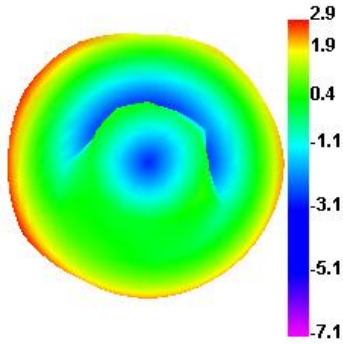
5550.000MHz E1



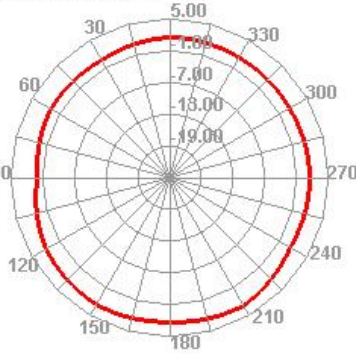
5550.000MHz E2



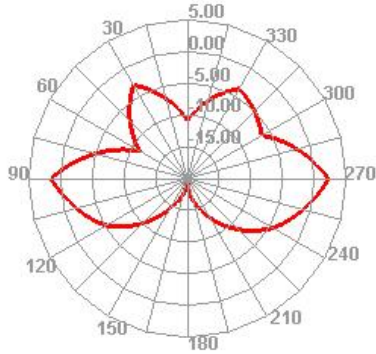
5850.000MHz



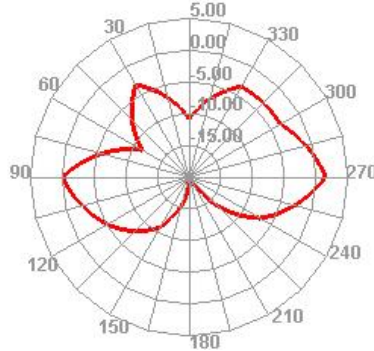
5850.000MHz H



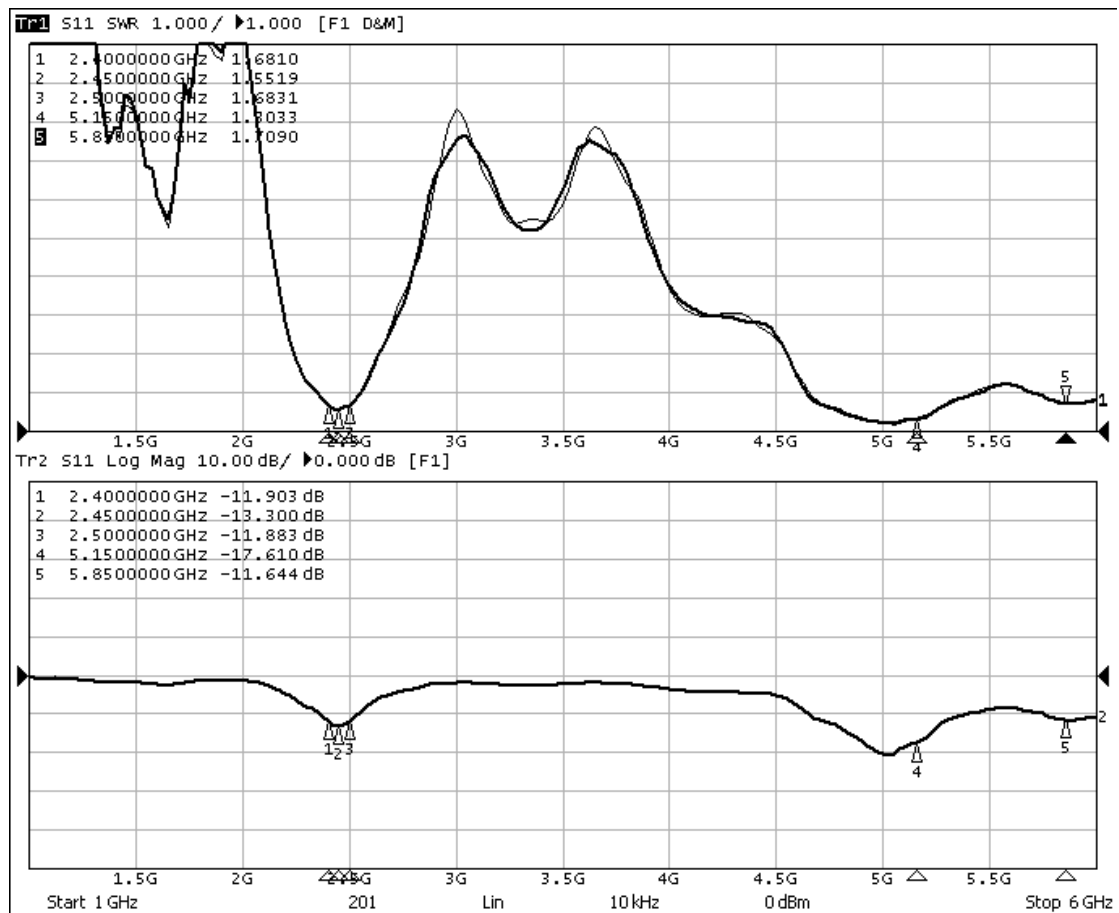
5850.000MHz E1



5850.000MHz E2



无源驻波



天线安装位置

