

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	锐图技术
客户料号 CUSTOMER NO.	RT6710-ATM-V1.0
供方品名 PART NAME	双频 WIFI 天线
规格名称 SUPPLIER NO.	XH230196 (L=110mm)

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:December 21, 2023

DIRECTORY

[illegible]

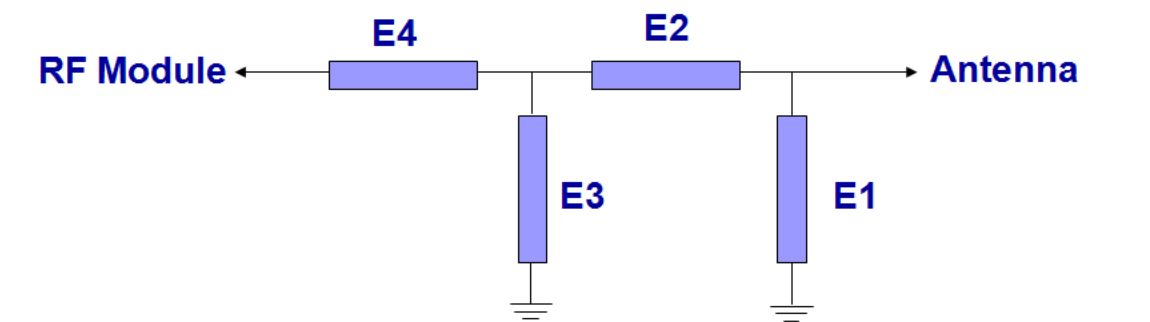
电性测试报告

TEST REPORTS

频率 Frequency	WIFI(2400~2500MHz;5150~5850 MHz)
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:3.02 dBi 5.8G: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



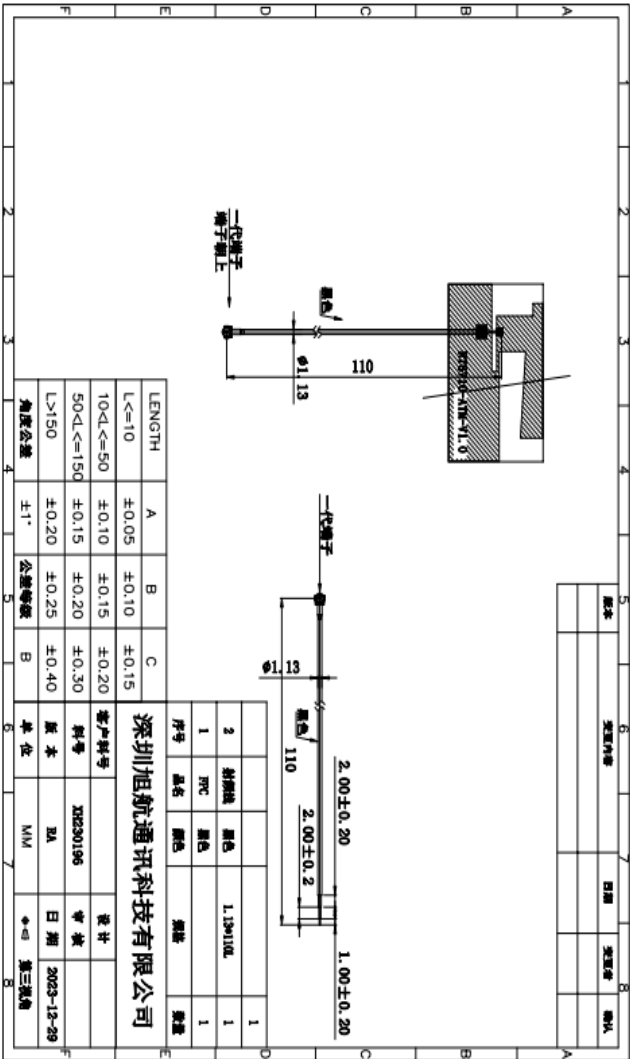
匹配电路

Element	Value	Vender
E1(0402)		
E2(0402)	/	
E3(0402)		
E4(0402)	/	

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

有源数据

Application Information					
O4Version		5.256.357			
TotalTime		7m 7s 670ms			
AdditionalInfor		802.11b : 11Mbps			
Test Result	Wifi 2G TRP			Test Result	ifi 2G TIS
	1	6	11		
Frequency (MHz)	2412	2437	2462	Frequency (MHz)	2462
Txp Ave(dBm)	16.77	16.42	16.26	Sens Ave(dBm)	-80.75

Application Information					
O4Version		5.256.357			
TotalTime		6m 18s 941ms			
AdditionalInfor		802.11g : 54Mbps			
Test Result	Wifi 2G TRP			Test Result	ifi 2G TIS
	1	6	11		
Frequency (MHz)	2412	2437	2462	Frequency (MHz)	2462
Txp Ave(dBm)	15.54	15.94	16.56	Sens Ave(dBm)	-70.58

Application Information					
O4Version		5.256.357			
TotalTime		5m 38s 836ms			
AdditionalInfor		802.11n : MCS7			
Test Result	Wifi 2G TRP			Test Result	ifi 2G TIS
	1	6	11		
Frequency (MHz)	2412	2437	2462	Frequency (MHz)	2462
Txp Ave(dBm)	15.08	15.46	15.65	Sens Ave(dBm)	-68.22

Application Information					
O4Version		5.256.357			
TotalTime		4m 21s 753ms			
AdditionalInfor		802.11a : 54Mbps			
Test Result	Wifi 5G TRP			Test Result	ifi 5G TIS
	36	161			
Frequency (MHz)	5180	5805		Frequency (MHz)	5805
Txp Ave(dBm)	16.25	16.82		Sens Ave(dBm)	-75

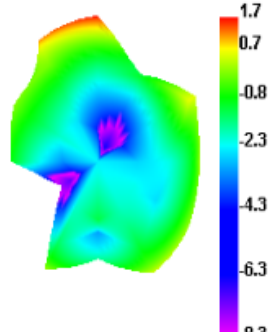
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Freq (MHz)	Effi (%)	Gain (dBi)
2400	51.12	1.75
2410	43.18	1.14
2420	53.03	2.1
2430	52.71	2.14
2440	53.89	2.29
2450	44.57	1.43
2460	37.43	0.81
2470	43.01	1.59
2480	41.97	1.65
2490	57.1	3.02
2500	51.07	2.53

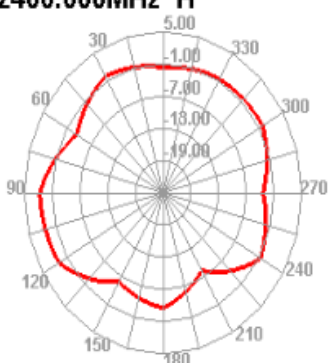
Freq (MHz)	Effi (%)	Gain (dBi)
5150	33.69	1.33
5550	50.96	2.91
5850	55.72	2.64

3D 方向图

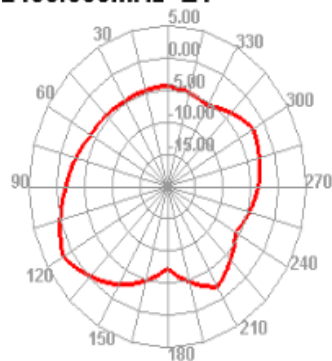
2400.000MHz



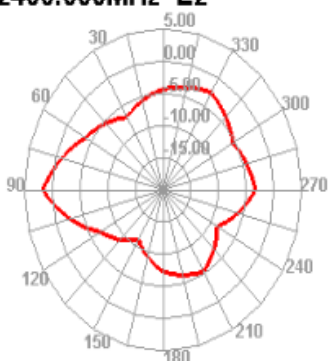
2400.000MHz H



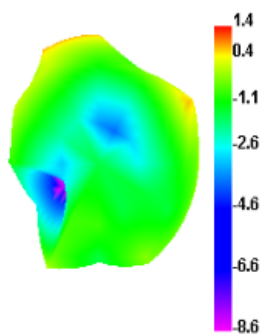
2400.000MHz E1



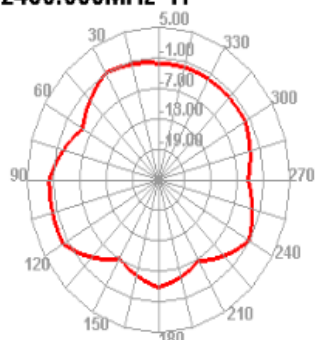
2400.000MHz E2



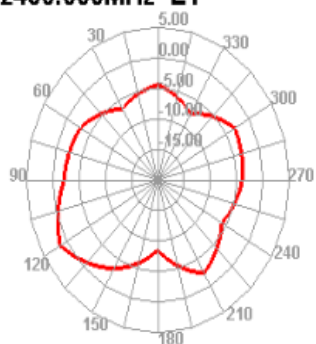
2450.000MHz



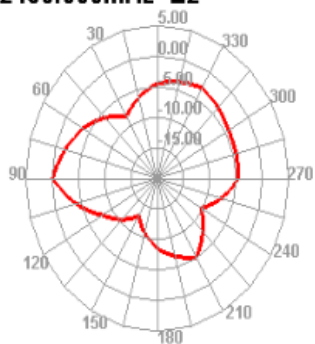
2450.000MHz H



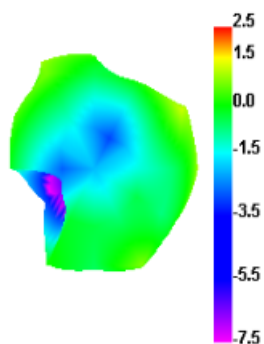
2450.000MHz E1



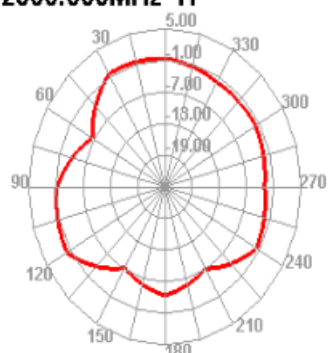
2450.000MHz E2



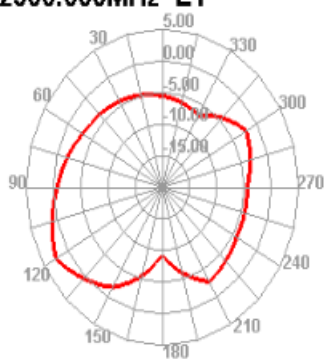
2500.000MHz



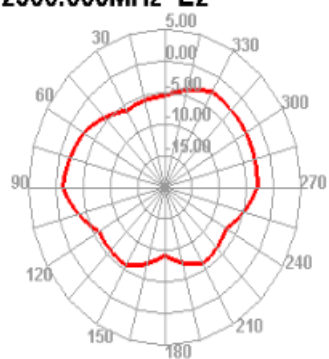
2500.000MHz H



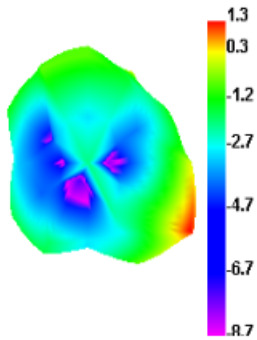
2500.000MHz E1



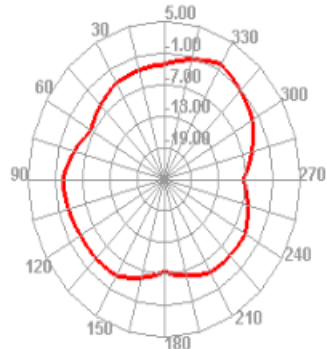
2500.000MHz E2



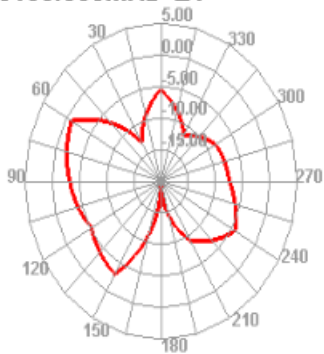
5150.000MHz



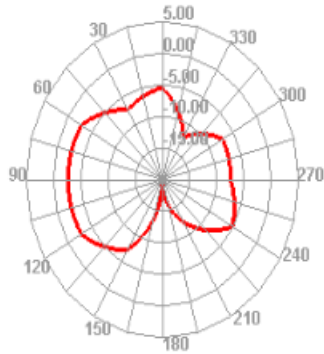
5150.000MHz H



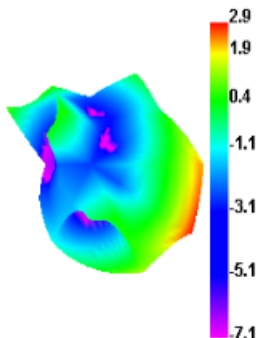
5150.000MHz E1



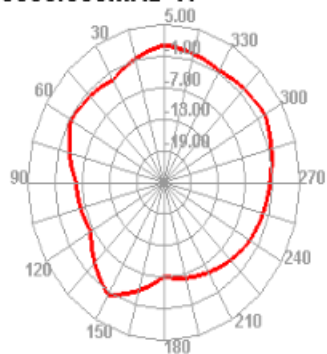
5150.000MHz E2



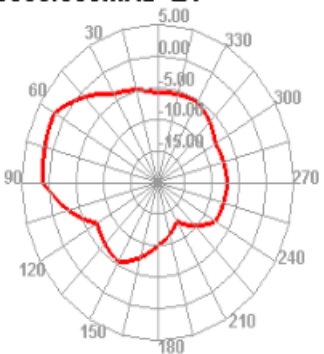
5550.000MHz



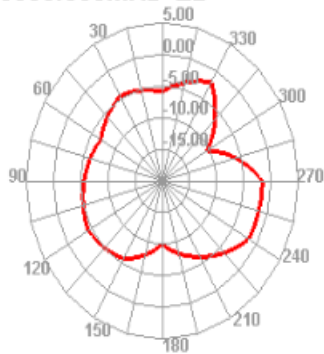
5550.000MHz H

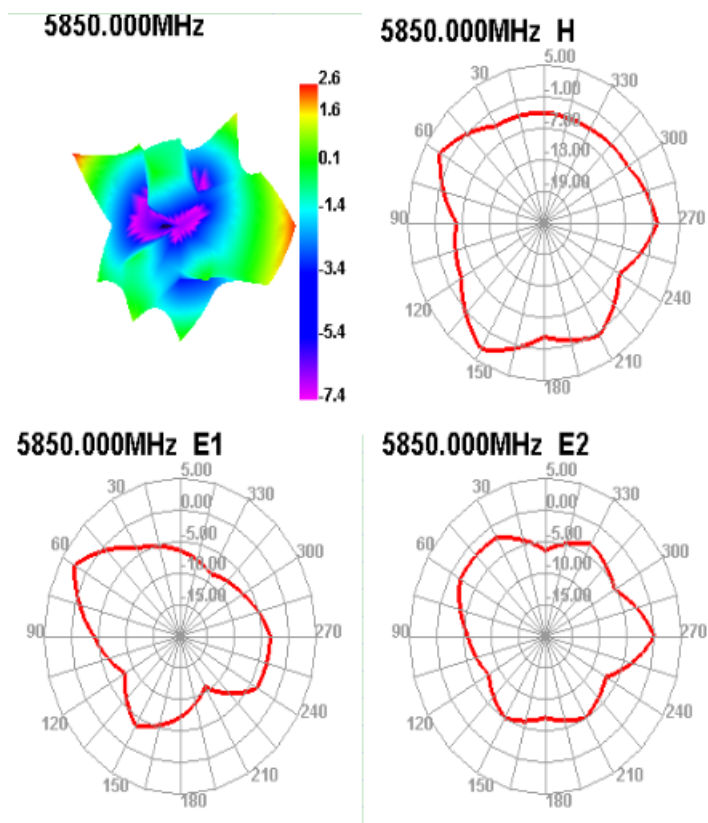


5550.000MHz E1

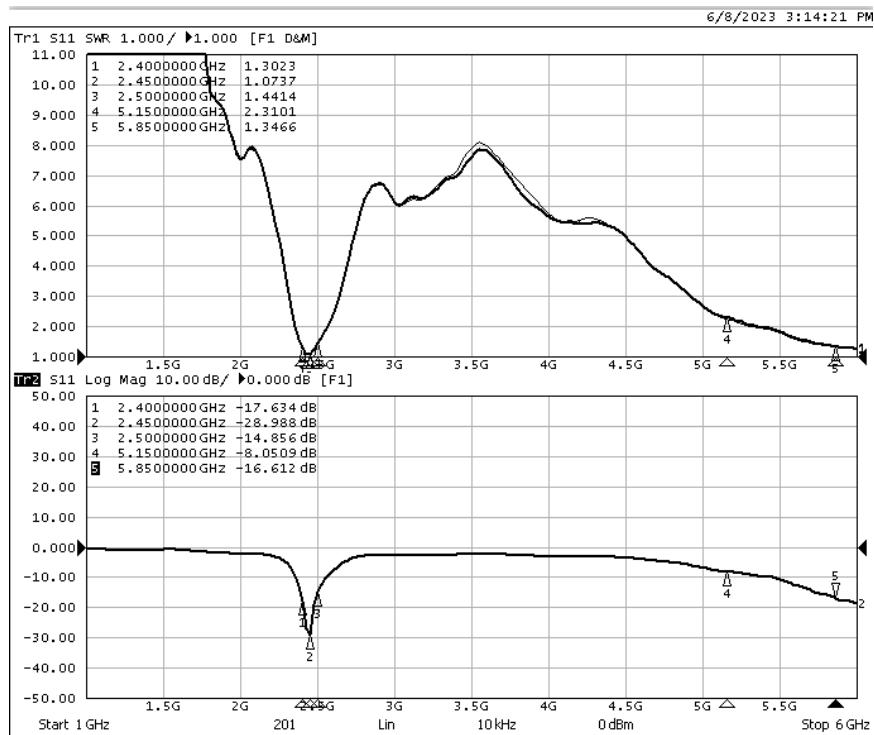


5550.000MHz E2

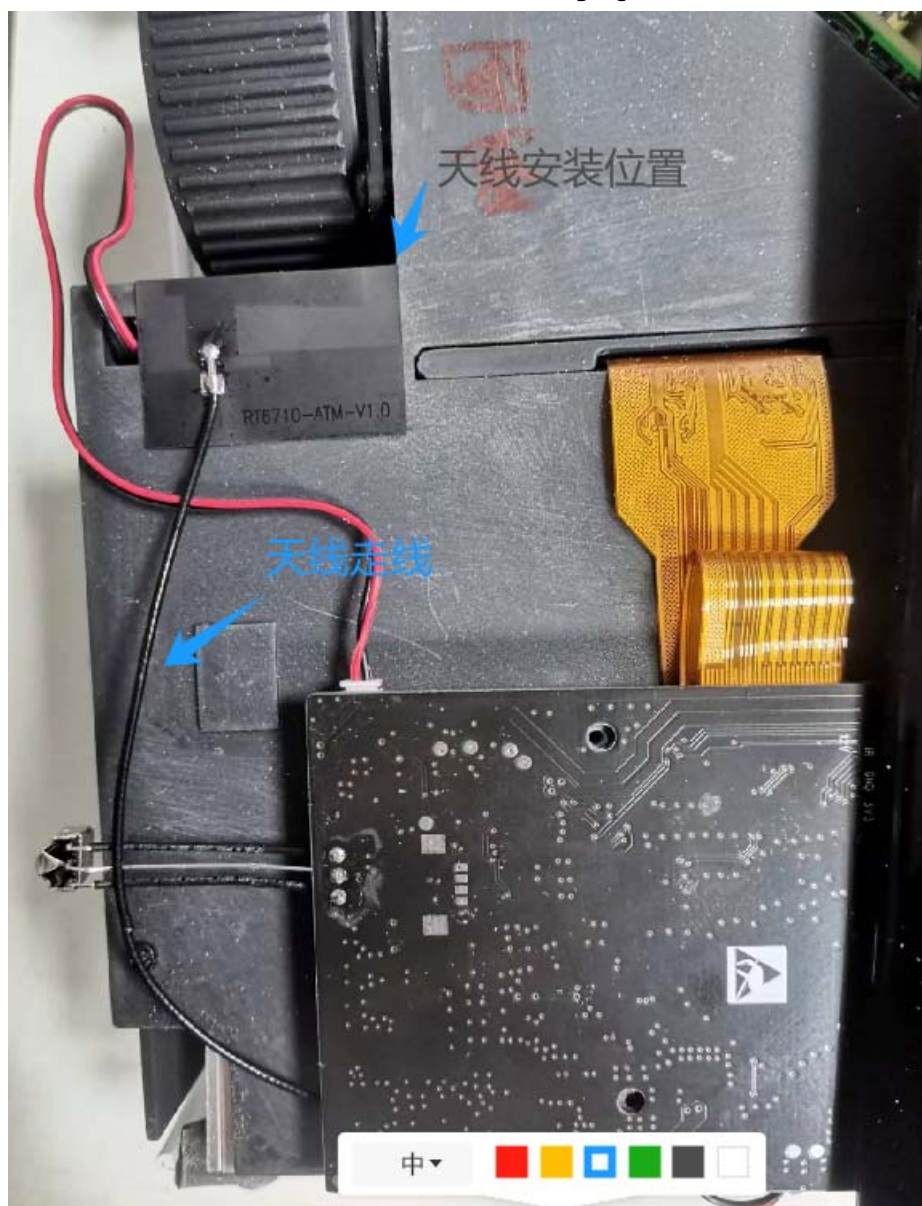




无源驻波



天线装配位置 Antenna assembly position



天线装配位置