

深圳旭航通讯科技有限公司

Shenzhen Xuhang Communication

规格承认书

客户 CUSTOMER	金堡
客户料号 CUSTOMER NO.	
供方品名 PART NAME	BT 天线
规格名称 SUPPLIER NO.	XH250103

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: August 25, 2026

DIRECTORY

[illegible]

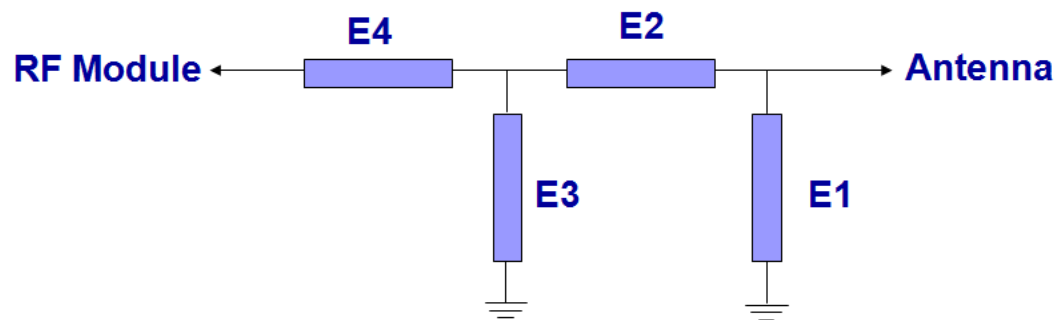
电性测试报告

TEST REPORTS

频率 Frequency	BT:(2400MHz~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)	2.4G: 1.96 dBi
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℃
存储温度 Storage Temp.	-10-+70℃
线材颜色 Cable Color	Black

匹配电路

Matching Circuits

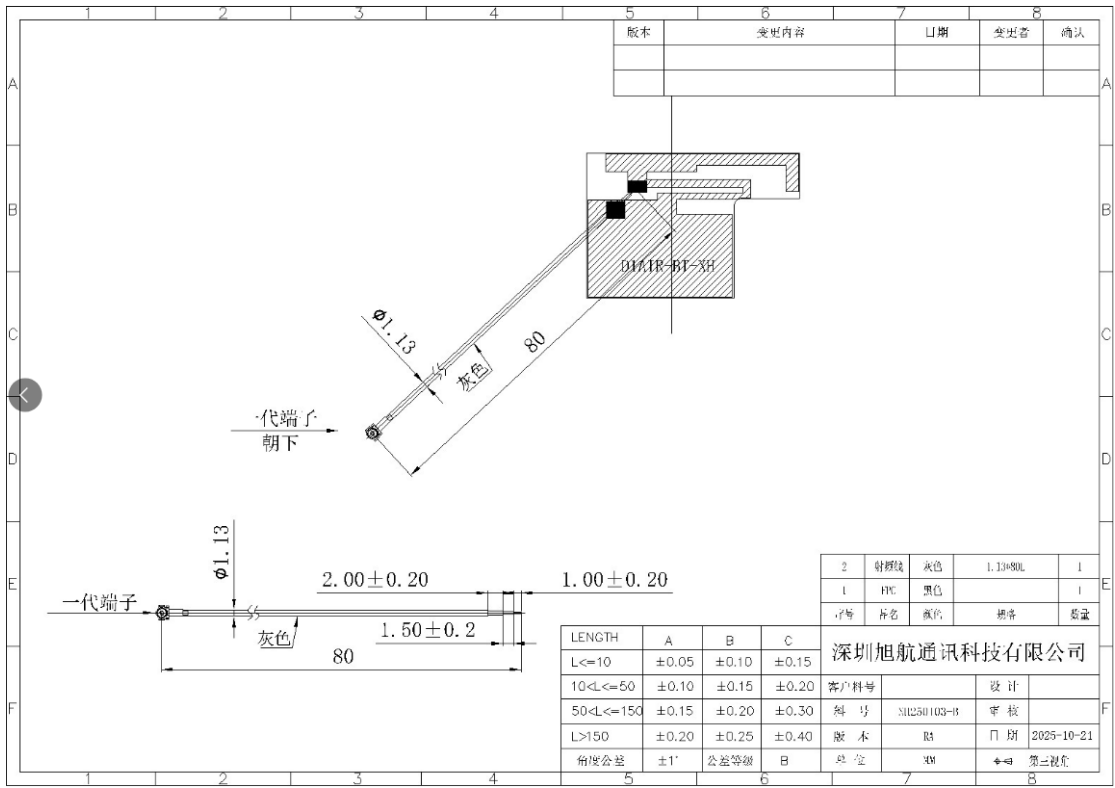


匹配电路

The original matching circuit has not been modified

蓝牙天线工程图

DRAWING

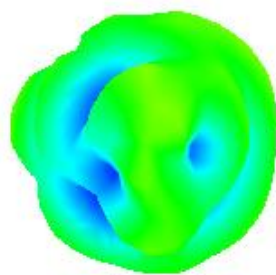


Test Data

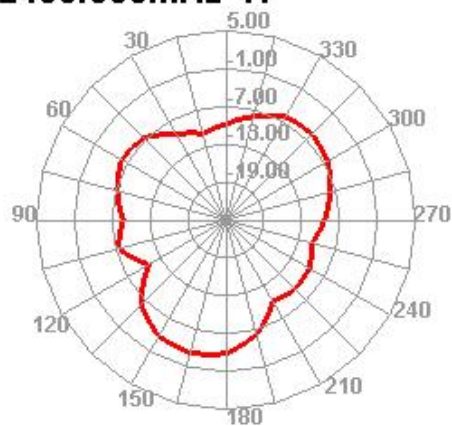
测试 数据

Freq (MHz)	Effi (%)	Gain (dBi)
2400	45.35	1.73
2410	40.26	0.97
2420	44.46	1.4
2430	44.59	1.45
2440	46.13	1.96
2450	45.99	1.72
2460	42.07	1.3
2470	42.03	1.12
2480	43.51	1.22
2490	41.84	1.08
2500	40.91	0.43

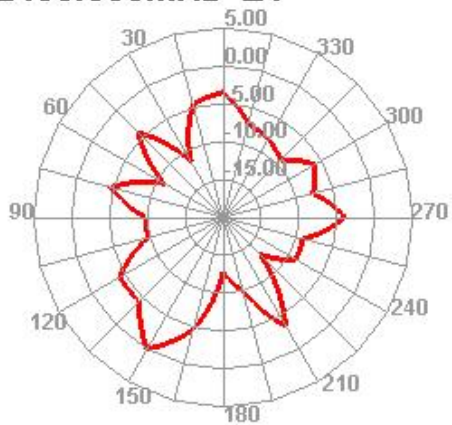
2400.000MHz



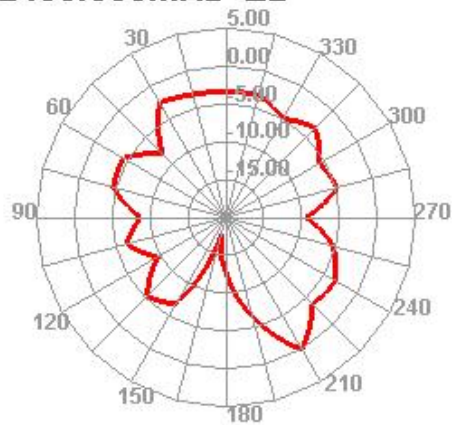
2400.000MHz H



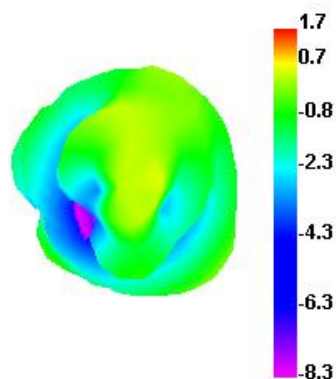
2400.000MHz E1



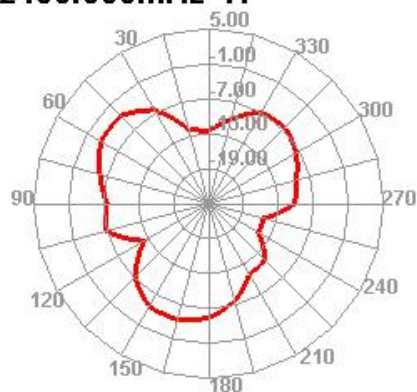
2400.000MHz E2



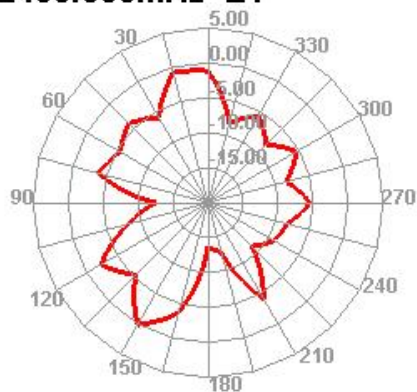
2450.000MHz



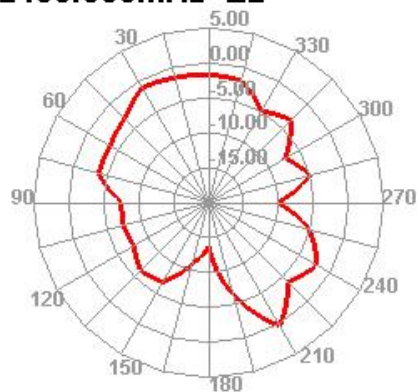
2450.000MHz H



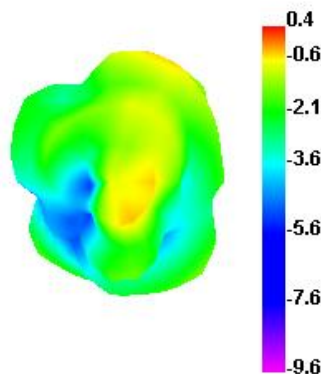
2450.000MHz E1



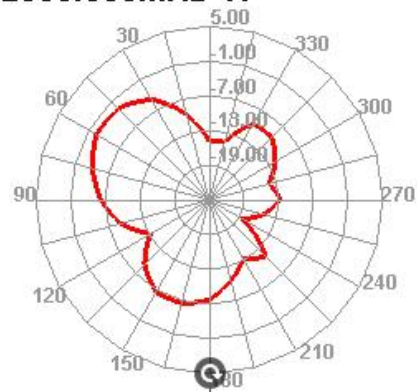
2450.000MHz E2



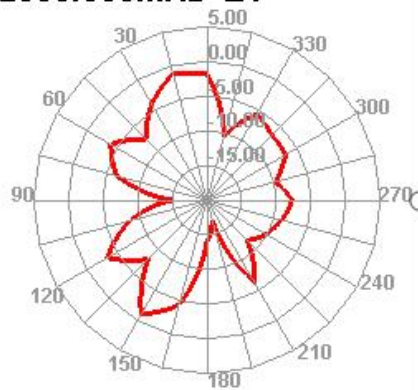
2500.000MHz



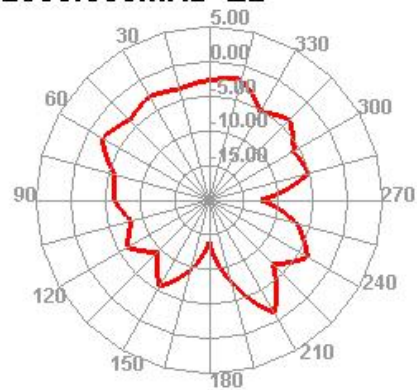
2500.000MHz H



2500.000MHz E1

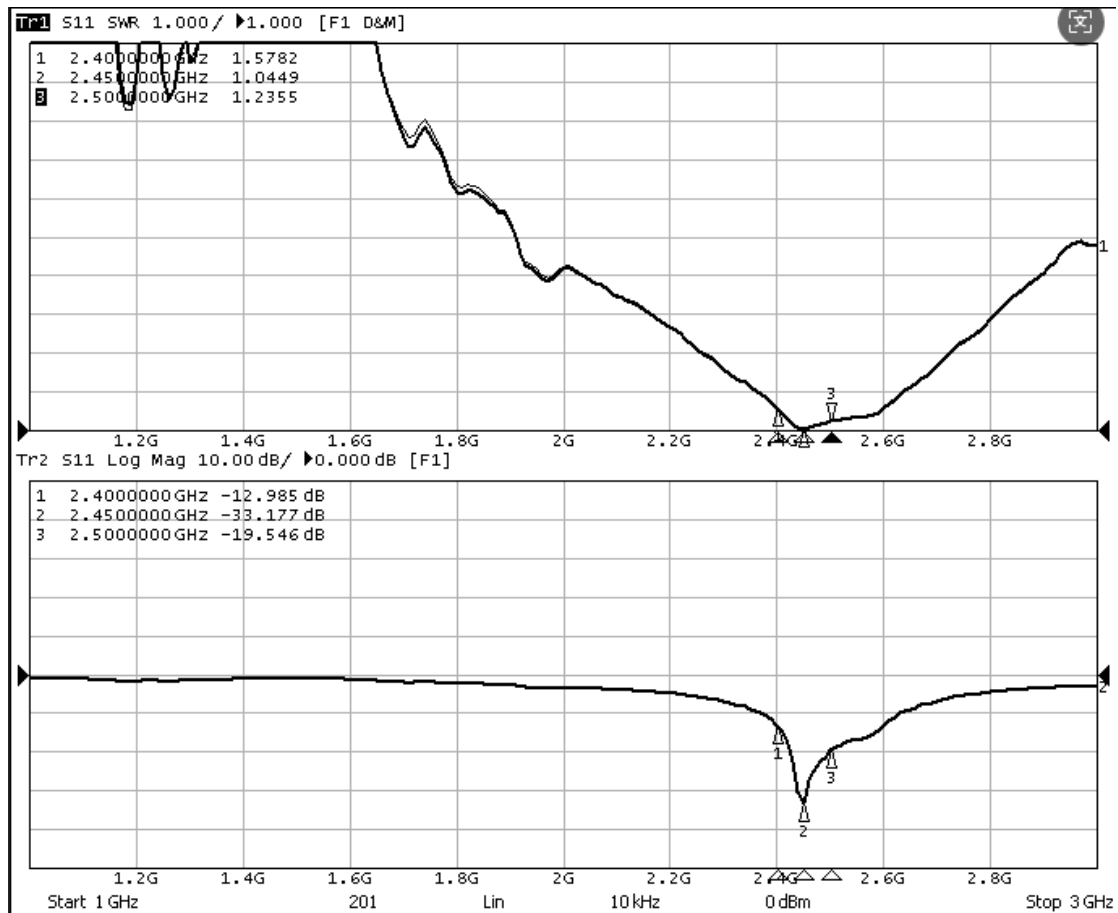


2500.000MHz E2



BT 无缘驻波

Standing wave loss



天线安装位置

Antenna assembly position

