

天线测试报告

Antenna Test Report

项目名称/Project: FI2428LBF

硬件版本/Hardware version: /

测试工程师/Test Engineer: _____

批准/approves: _____

日期.Date: 2025/2/24

天线类型: 板载PIFA天线

Antenna type: On-board PIFA Antenna

制造商: 鹤山市润昌电子电器有限公司

Manufacturer: HESHAN RUN CHANG ELECTRON AND ELECTRIC Co., LTD

地址: 广东省鹤山市鹤城镇工业开发一区

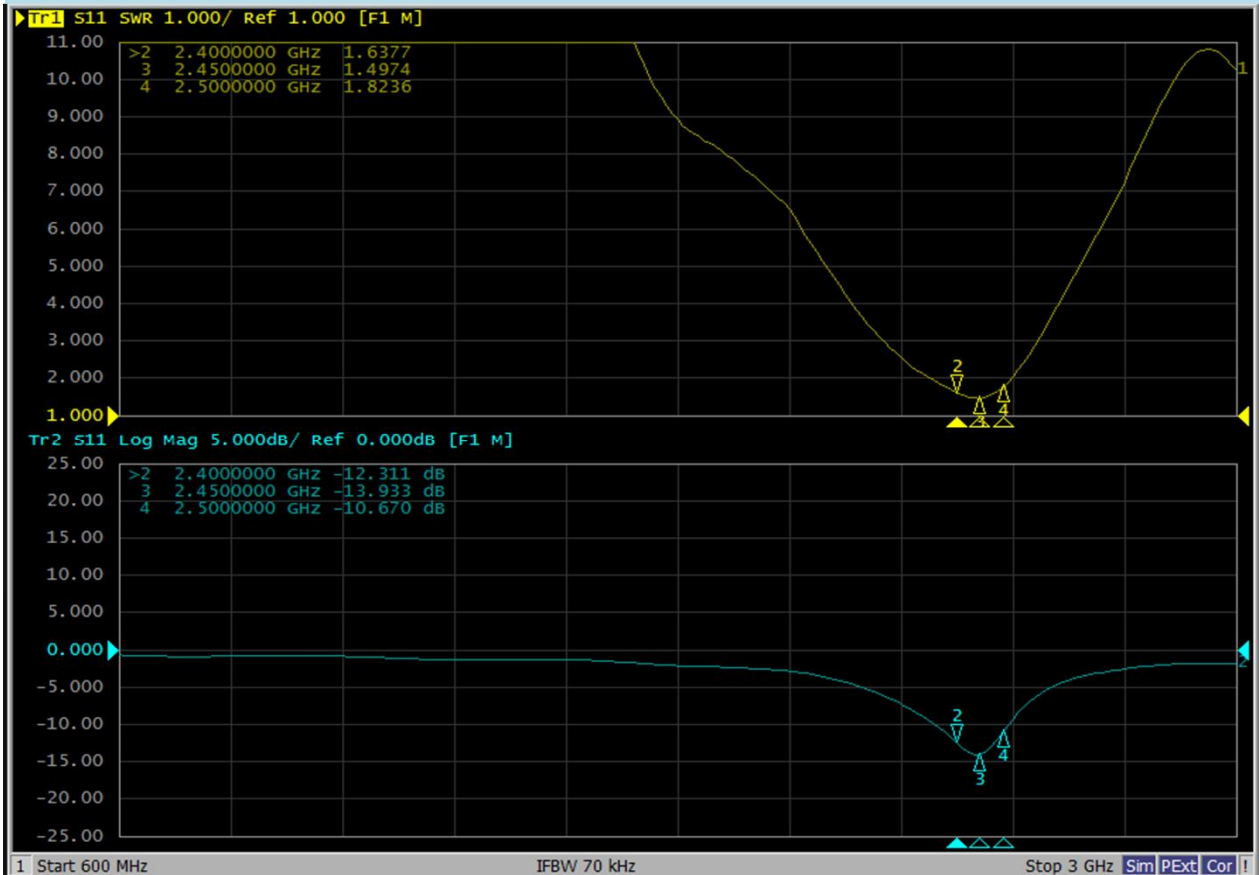
Address: Industrial Development Zone 1, Heting Town, Heshan City, Guangdong Province

	Antenna Test Report				
Project Name	FI2428LBF	Test by		Date	2025/2/23
Project Stage		HW version		SW version	
Instruments	ETS/5071C			ETS	

1. 技术指标/ Technical target

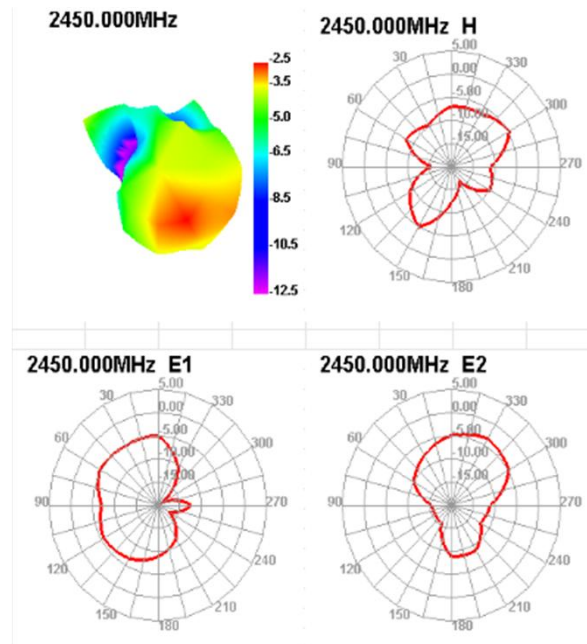
电性能指标 Electrical Parameter		
频率范围 (MHz)	Frequency Range (MHz)	2400~2500
电压驻波比	VSWR	≤ 2.0
输入阻抗(Ω)	Input Impedance(Ω)	50
增益(dBi)	Gain(dBi)	-2.49
极化形式($^{\circ}$)	Polarization($^{\circ}$)	LINE
天线类型	Antenna Type	PCB Antenna
连接形式	Connector Type	--
工作温度($^{\circ}\text{C}$)	Working	-40~+80

2. 驻波/回损SWR/Return loss



3. 天线实际测试数据/Antenna test report

Freq (MHz)	Effi (%)	Gain (dBi)
2400	14.3	-3.73
2410	14.47	-3.53
2420	13.68	-3.6
2430	15.45	-2.74
2440	14.75	-2.65
2450	15.14	-2.49
2460	14.22	-2.7
2470	14.57	-2.69
2480	15.04	-2.71
2490	13.42	-3.27
2500	14.87	-2.86



Antenna dimensions: Serpentine inverted F antenna, 14.5mm long, 3mm wide.

