



东莞市宏亿电子科技有限公司

Dongguan Hongyi Electronic Technology Co.,Ltd.

承 认 书

SPECIFICATION FOR APPROVAL

客 户 名 称

CUSTOMER NAME:

产 品 名 称

PRODUCT NAME: 2.4G FPC 内置天线

客 户 料 号

CUSTOMER P/N:

电子料号

P/N:

REV:A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	叶秀林	
APPROVED BY:	周红波	
DATE:	2022-02-07	



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1. 规格表:

产品主要技术参数

主要技术指标		Main technical specifications	
频率范围 (MHZ)	2400~2500	Frequency Range (MHZ)	2400~2500
特性阻抗(Ω)	50	Impedance(Ω)	50
峰值增益(dBi)	<2.98	Peak Gain(dBi)	<2.98
输出电压 驻波比	≤ 1.92	VSWR	≤ 1.92
极化方式	线极化	Polarization	Linel
连接方式	Cable+IPEX	Connector Type	Cable+IPEX
物理性能		Physical Properties	
天线本体材料	TPEE	Antenna Base	TPEE
工作温度	-20℃~+50℃	Operating Temp	-20℃~+50℃
保存温度	-20℃~+50℃	Storage Temp	-20℃~+50℃

Technical drawing of a probe card assembly. The drawing shows a long vertical rod with a handle at the bottom and a probe tip at the top. Dimensions are given in millimeters: the handle length is 75±2, the probe tip length is 10.0±0.5, and the probe tip diameter is 31.5±0.5. A small detail view shows the probe tip with a 0.1mm diameter hole. A table at the bottom right lists the materials and quantities for the probe card.

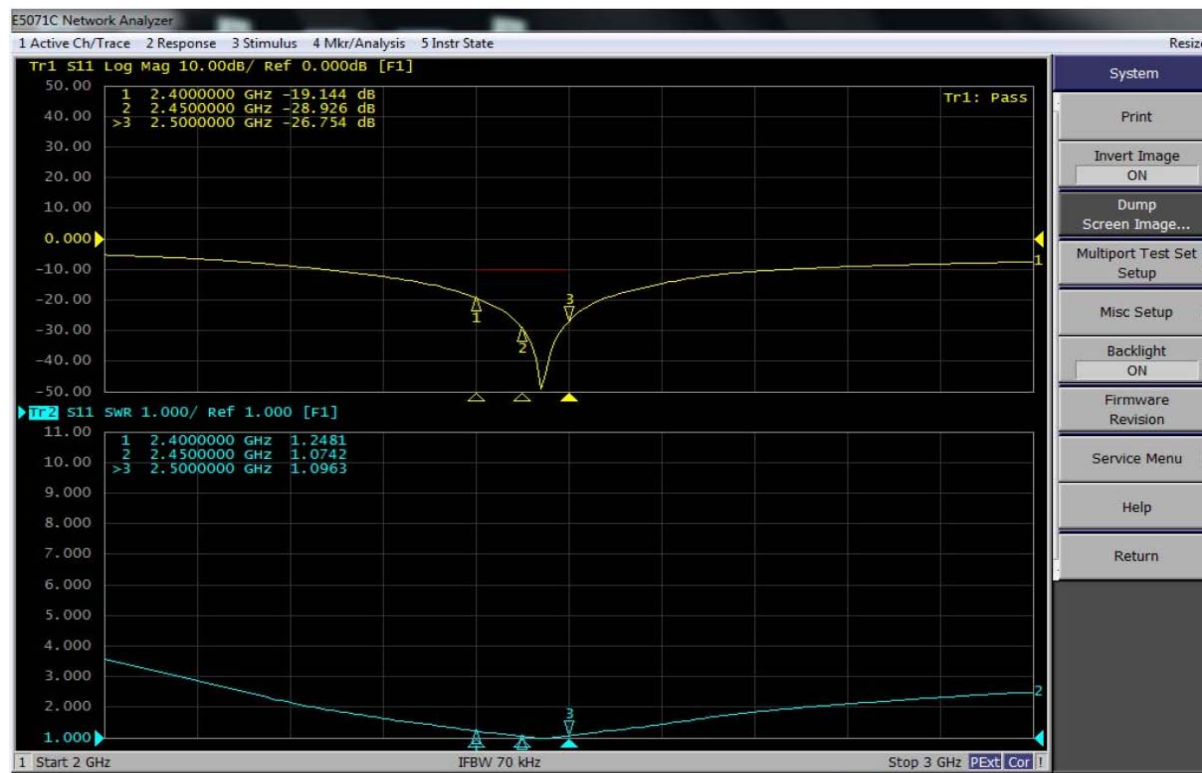
序号	名称	单位	数量	材料
1	探针	PCS	1	1.13探针, 探针材料
2	探针	PCS	1	1.13探针, 探针材料
3	探针	PCS	1	1.13探针, 探针材料





3. 天线测试报告

3.1: 网络分析仪测试报告



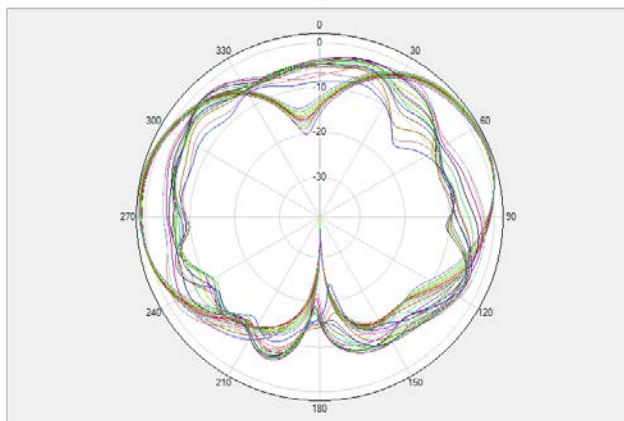
3.2: 暗室 2D、3DRaditation Pattern

3.2-1 效率及增益

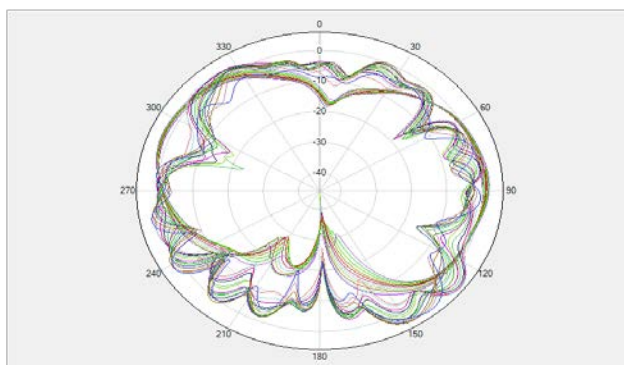
Frequency (MHz)	Efficiency (%)	Peak Gain / dBi
2400	63.21	2.81
2450	65.91	2.98
2500	64.75	2.84



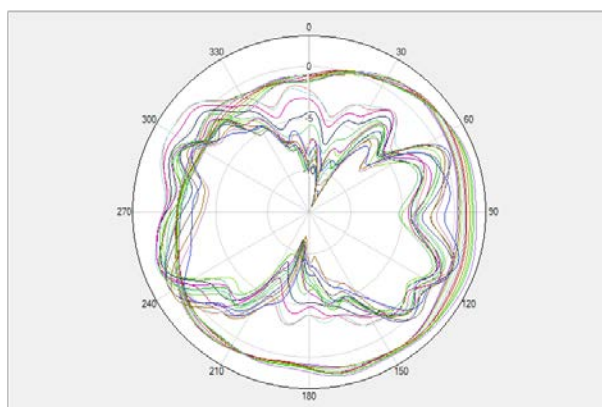
3.2.2 2D/3D 场型图



Phi 0 2D 图



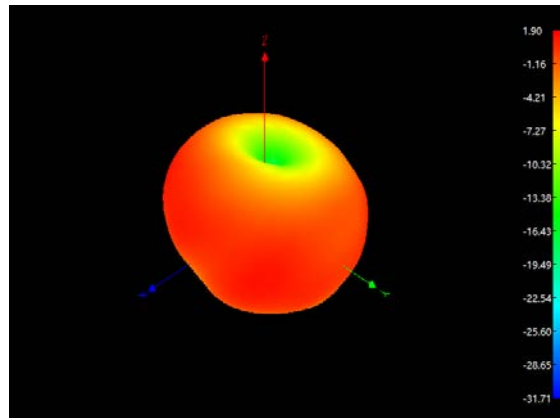
Phi 90 2D 图



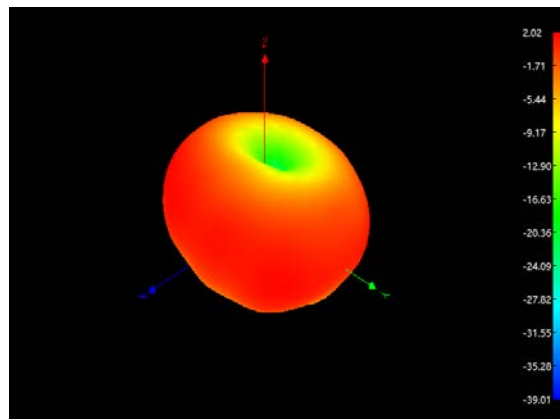
Theta 90 2D 图



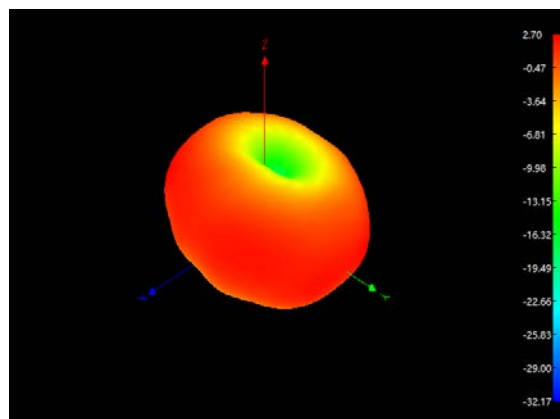
ANT 3D Radiation



2400MHz



2450MHz



2500MHz