

东莞市亿瑞电子科技有限公司

Dongguan Yirui 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 built-in antenna L=90mm + terminal (1.13 black wire)

BS1C90F3D97A

客 户 料 号

CUSTOMER P/N:

亿瑞 料号

YR P/N: BS1C90F3D97A REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:		
APPROVED BY:		
DATE:		
	2024/10/15	

Address: 2nd Floor, No. 13, Building 7, Fengda Road, Fengda
Industrial Zone, Tianxin Community, Tangxia Town, Dongguan City
TEL: 0769-82016588
FAX: 0769-82011600

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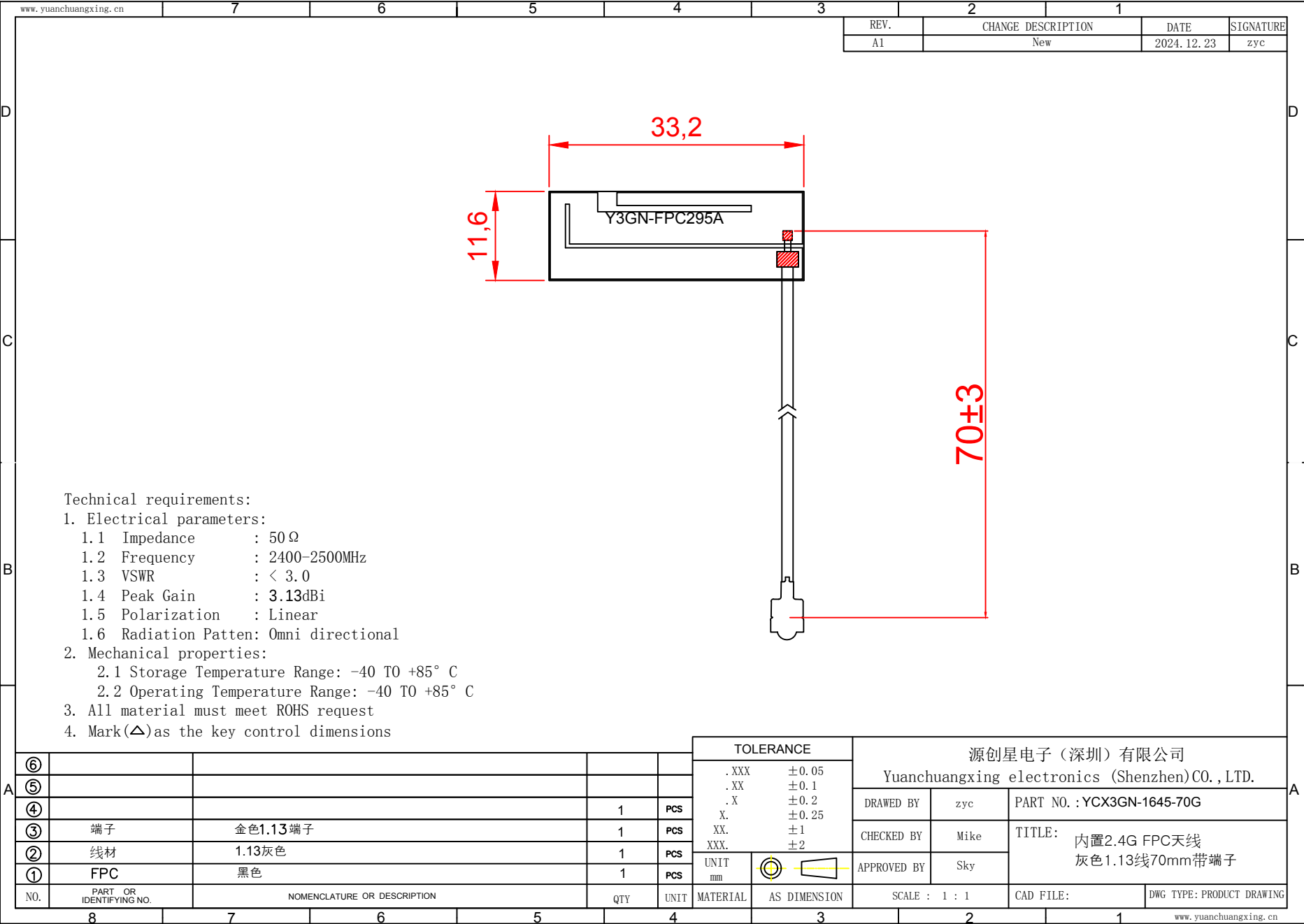
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1. Specification Sheet:

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 $\pm$ 10	Impedance(Ω)	50 $\pm$ 10
峰值增益(dBi)	3.13	Peak Gain(dBi)	3.13
输出电压 驻波比	$\leq$ 1.92	VSWR	$\leq$ 1.92
最大功率	1W	Admitted Power	1W
极化方式	线极化	Polarization	Line,Vertical
连接方式	同轴线+端子	Connector Type	RF Cable+terminal
物理性能		Physical Properties	
天线本体材料	FPC	Antenna Base	FPC
工作温度	-50 $^{\circ}$ C~+80 $^{\circ}$ C	Operating Temp	-50 $^{\circ}$ C~+80 $^{\circ}$ C
保存温度	-50 $^{\circ}$ C~+80 $^{\circ}$ C	Storage Temp	-50 $^{\circ}$ C~+80 $^{\circ}$ C

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4、Product drawing

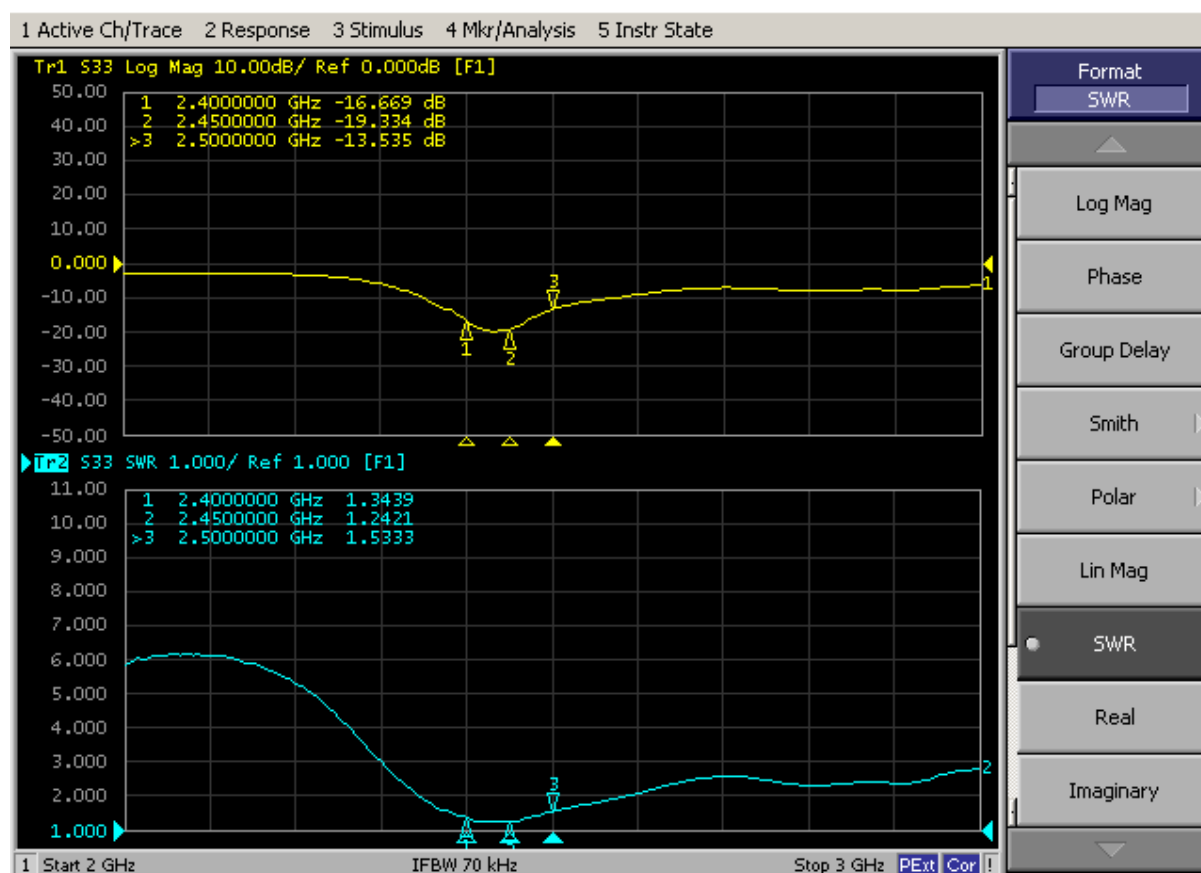


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3. Test Report

3.1: Network analyzer test report



3.2: 2D、3DRaditation Pattern

3.2.1 Efficiency and gain

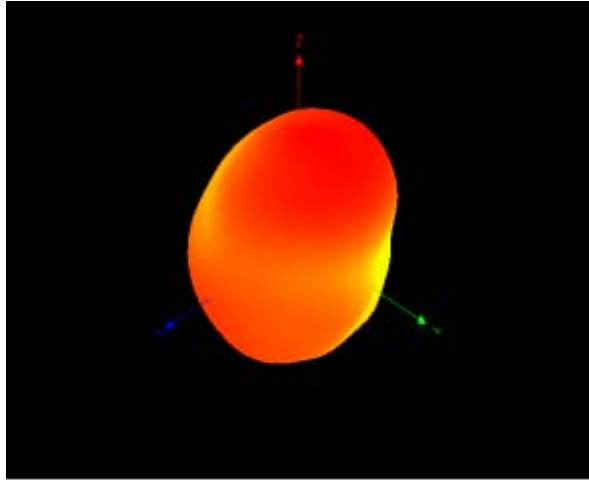
Frequency (MHz)	Efficiency (%)	Peak Gain / dBi
2400	63.84	2.83
2450	63.34	3.13
2500	61.73	2.96

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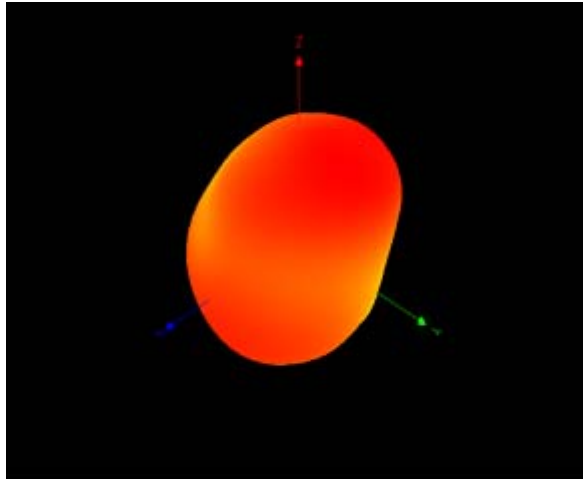
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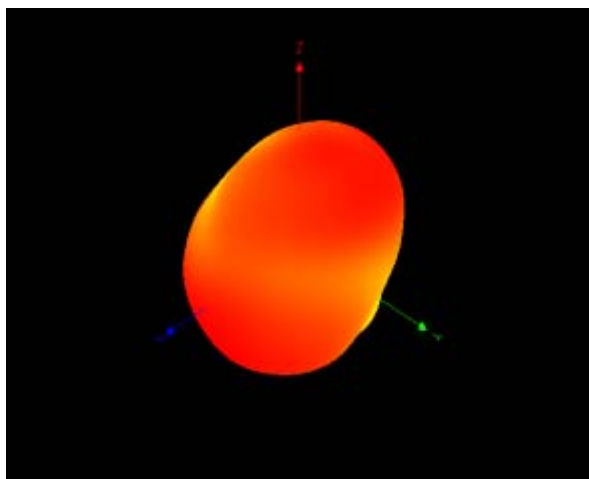
3.2.2 2D/3D Field pattern diagram



2400MHz



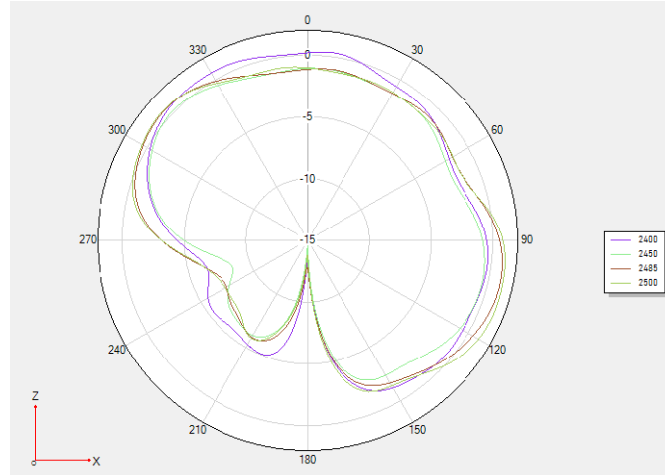
2450MHz



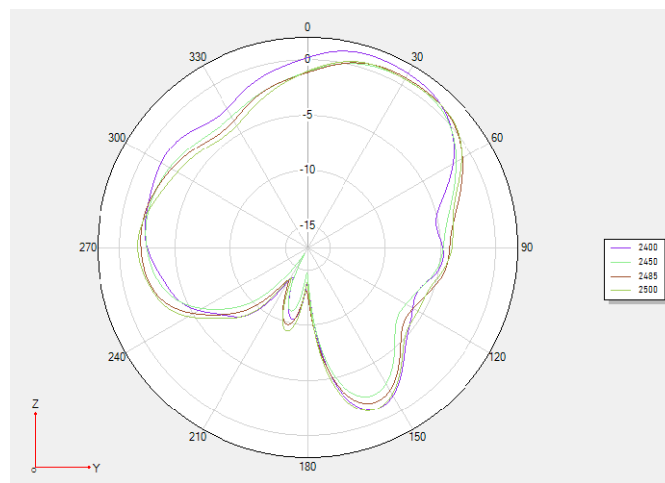
2500MHz

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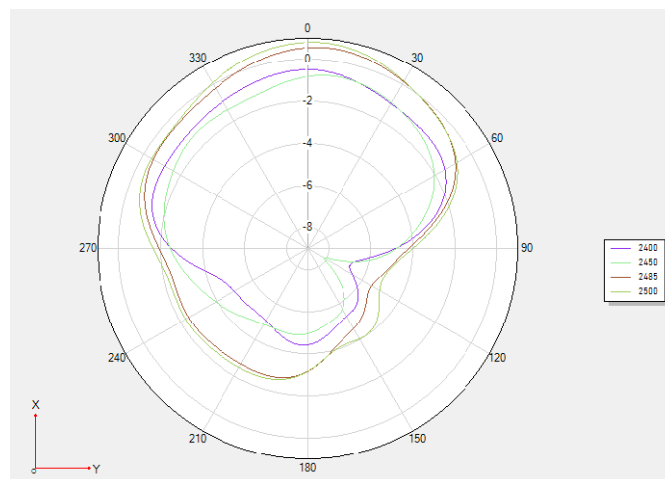
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Phi 0 2D



Phi 90 2D



Theta 90 2D

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