



东莞市卓信电子科技有限公司

Dongguan Zhuoxin Electronic Technology Co., Ltd

公司地址：东莞市塘厦镇蛟乙塘银园街5号厂房2楼
2 / F, No. 5, Yinyuan Street, Jiaoyi Tang, Tangxia Town, Dongguan

承认书

SPECIFICATION FOR APPROVAL

客 户 名 称

CUSTOMER NAME: 百盛兴业

产 品 名 称

PRODUCT NAME: External antenna band 2.4G, 5DBI black SMA female
pin, long cable 20MM

客 户 料 号

CUSTOMER P/N: 316-0100-00001

卓 信 料 号

Zhuo Xin P/N: 31.005.00014 REV: A

内部结构

Internal structure:

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	Andy	
AUDITOR BY:	王国行	
APPROVED BY:	郭亮	
DATE:	2024-5-8	

[illegible]



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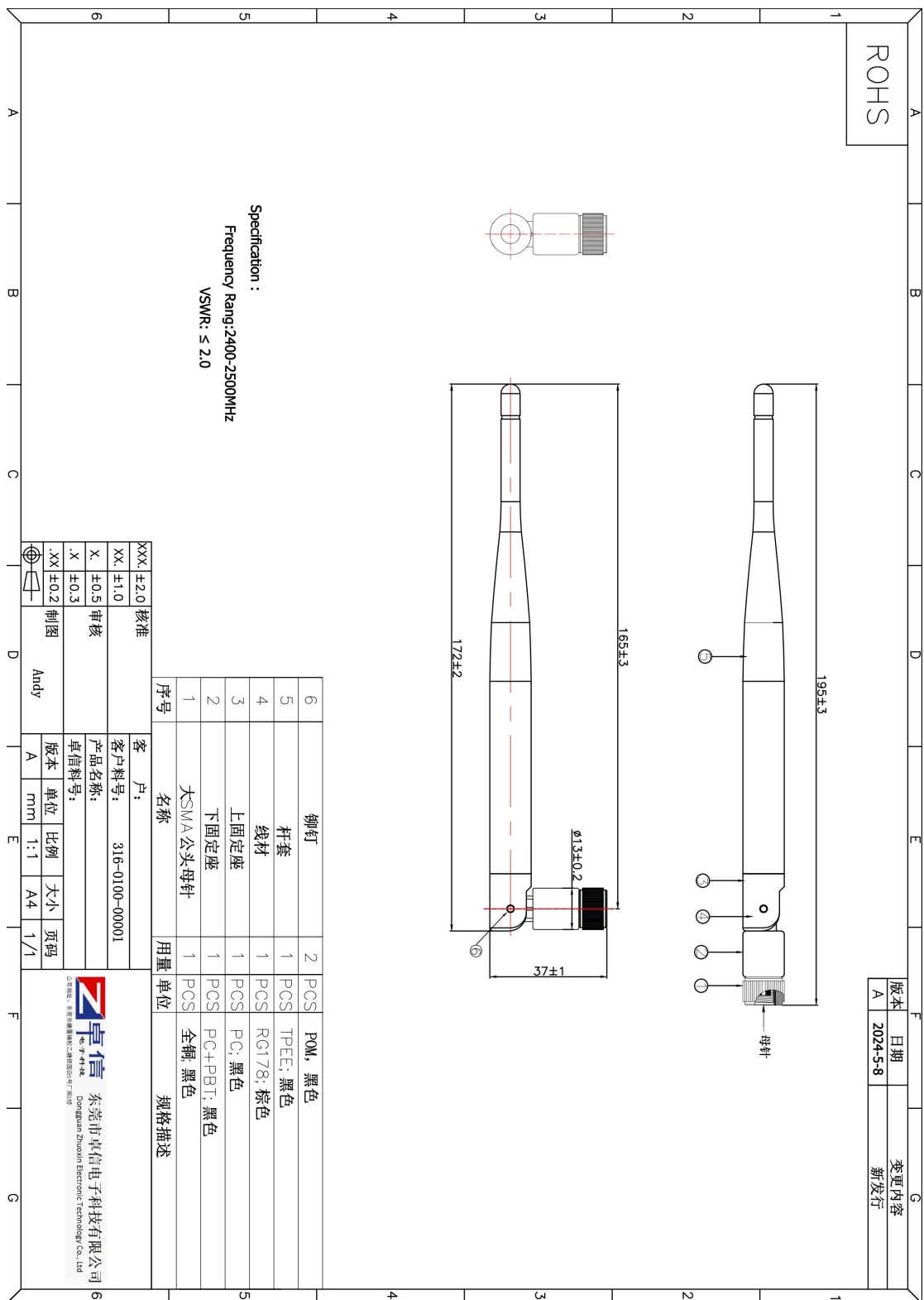
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产品主要技术参数

Main technical specifications

主要技术指标		Main technical specifications	
频率范围 (MHZ)	2400-2500	Frequency Range (MHZ)	2400-2500
中心频率 特性阻抗 (Ω)	50	Impedance(Ω)	50
增益(dBi)	5. 25dBi	Gain(dBi)	5. 25dBi
输出电压 驻波比	≤2. 0	VSWR	≤2. 0
极化方式	线极化	Polarization	Linear
方向性	全向性	Radiation	Omni-directional
物理性能		Physical Properties	
天线本体 材料	TPEE	Antenna Base	TPEE
工作温度	-20℃~+60℃	Operating Temp	-20℃~+60℃
保存温度	-20℃~+70℃	Storage Temp	-20℃~+70℃





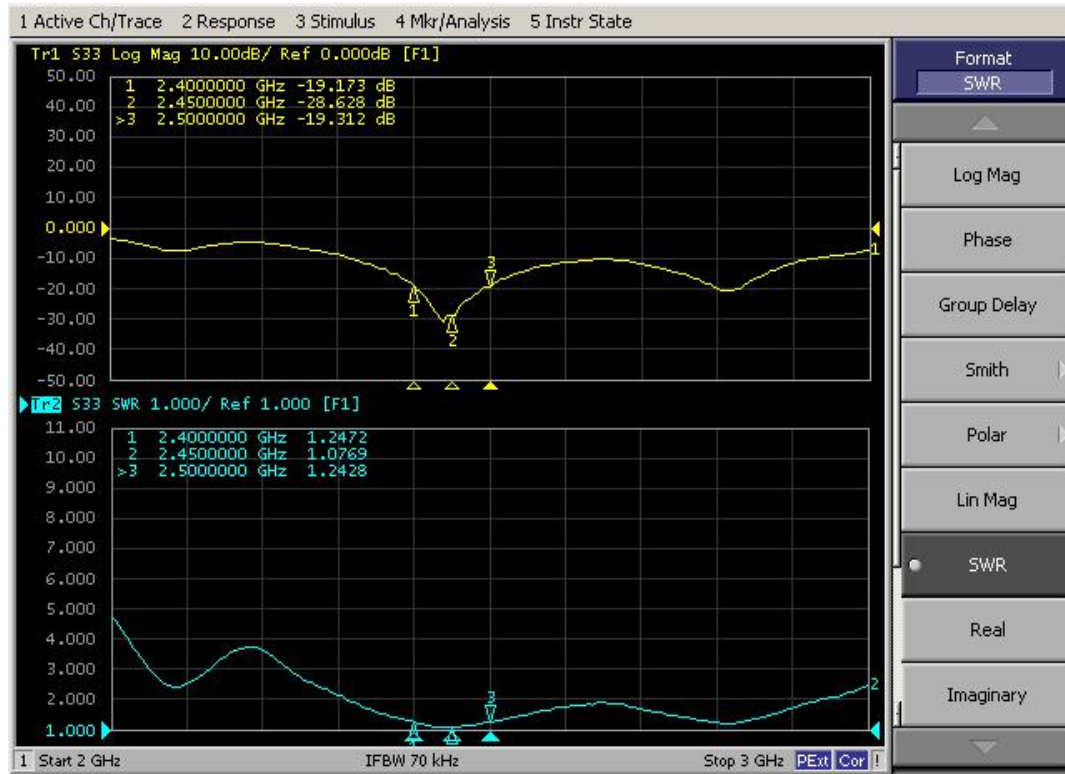
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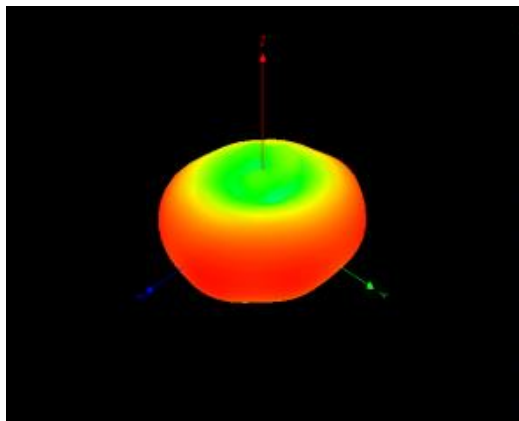
6、测试报告【Testing report】

6.1 Network Analyzer Test Report

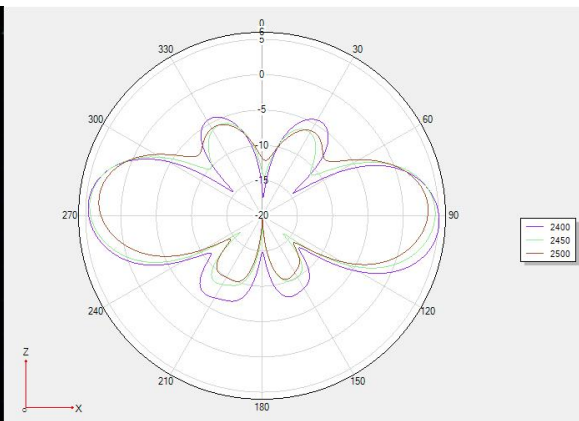


频率(MHz)	Return Loss (dB)	VSWR
2400	-19.17	1.24
2450	-28.62	1.07
2500	-19.31	1.24

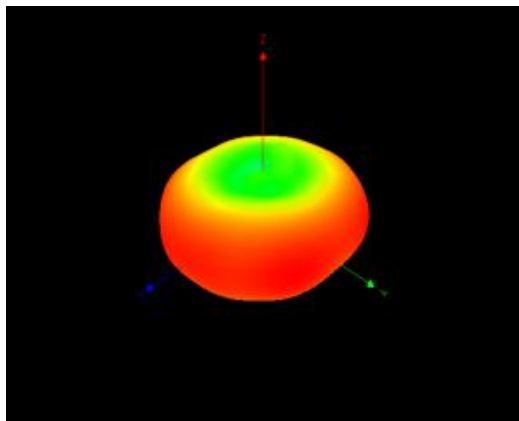
6.2: Darkroom 2D and 3D Radiation Pattern, efficiency and gain



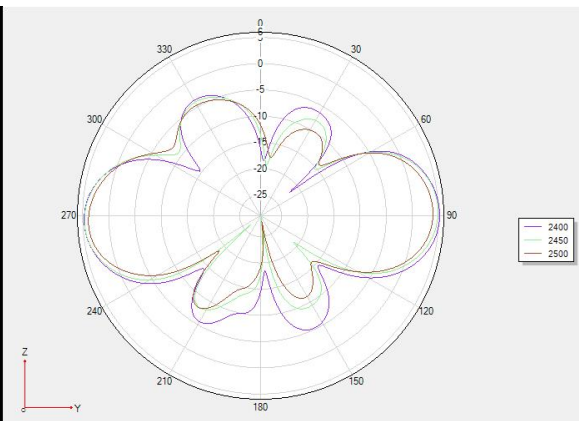
2400MHz



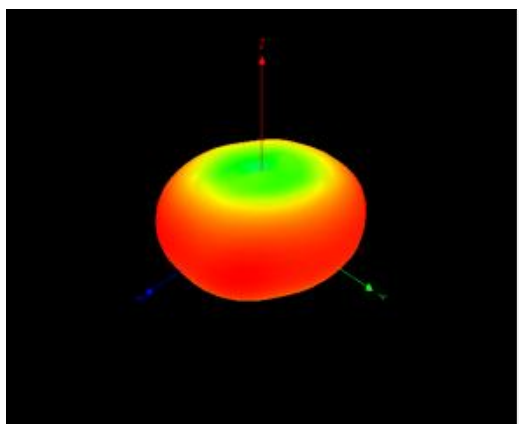
Phi 0 2D



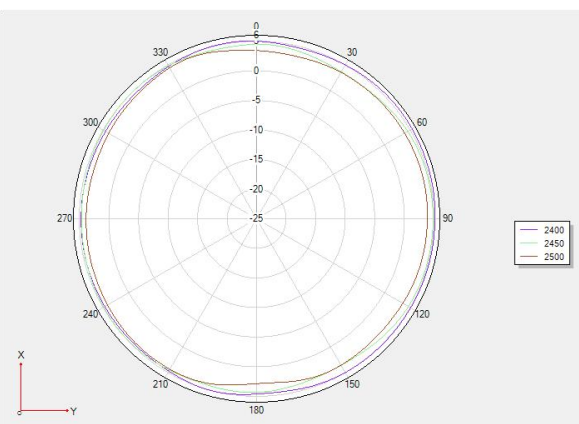
2450MHz



Phi 90 2D



2500MHz



Theta 90 2D



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Frequency / MHz	Gain/ dBi	Efficiency / %
2400	5.03	78.9
2450	5.25	79.4
2500	5.12	80.2