



东莞市艾微科技有限公司

承 认 书

White Enclosure 2.4GWIFI Antenna 2

客 户 名 称: 微 网

客 户 项 目 名 称:

客 户 料 号: 51010040

物 料 名 称: 2.4G 5dBi 黑色天线灰色 1.37mm 馈线 L=100mm 一代端子

艾 微 料 号: VW01-W020016

日 期: 2021-12-8

版 别: X1

	MANUFACTURE SIGNATURE	CUSTOMER SIGNATURE
CHECKED BAY:	万以竟	
AUDITOR BAY:		
APPROVED BAY	吴娟	邢省委
DATE:	2021-12-8	2021.12.13

白色天线: 51010036
李杰
2021.12.15

Dongguan ivy technology co.,LTD.

Address: Room 303, Unit 2, Building 1 (E Tower, Zhongke Innovation Plaza) No. 8,
Keji Er Road Songshanhu Park Dongguan City, Guangdong Province, China

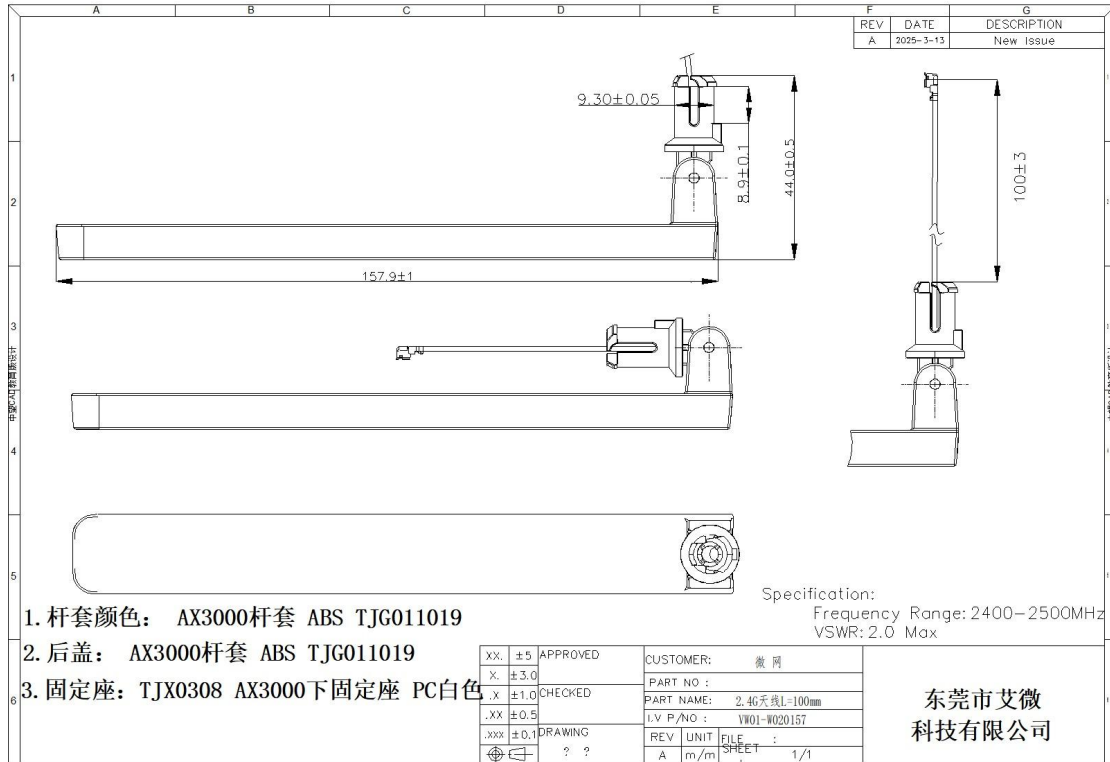


1、规格表:

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 $\pm$ 5	Impedance(Ω)	50 $\pm$ 5
增益(dBi)	5 $\pm$ 0.5	Peak Gain(dBi)	5 $\pm$ 0.5
输出电压 驻波比	Max 2.0	VSWR	Max 2.0
最大功率	2W	Admitted Power	2W
极化方式	线性极化	Polarization	Linear Vertical
方向性	全向	Radiation	Omni-directional
连接方式	端子	Connector Type	IPEX
物理性能		Physical Properties	
天线線材	1.37 灰色	Antenna cable	1.37 Gray Cable
工作温度	-40 $^{\circ}$ C~+60 $^{\circ}$ C	Operating Temp	-40 $^{\circ}$ C~+60 $^{\circ}$ C
保存温度	-40 $^{\circ}$ C~+60 $^{\circ}$ C	Storage Temp	-40 $^{\circ}$ C~+60 $^{\circ}$ C

二、成品图

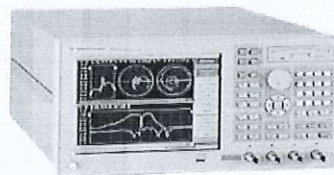
中望CAD教育版设计



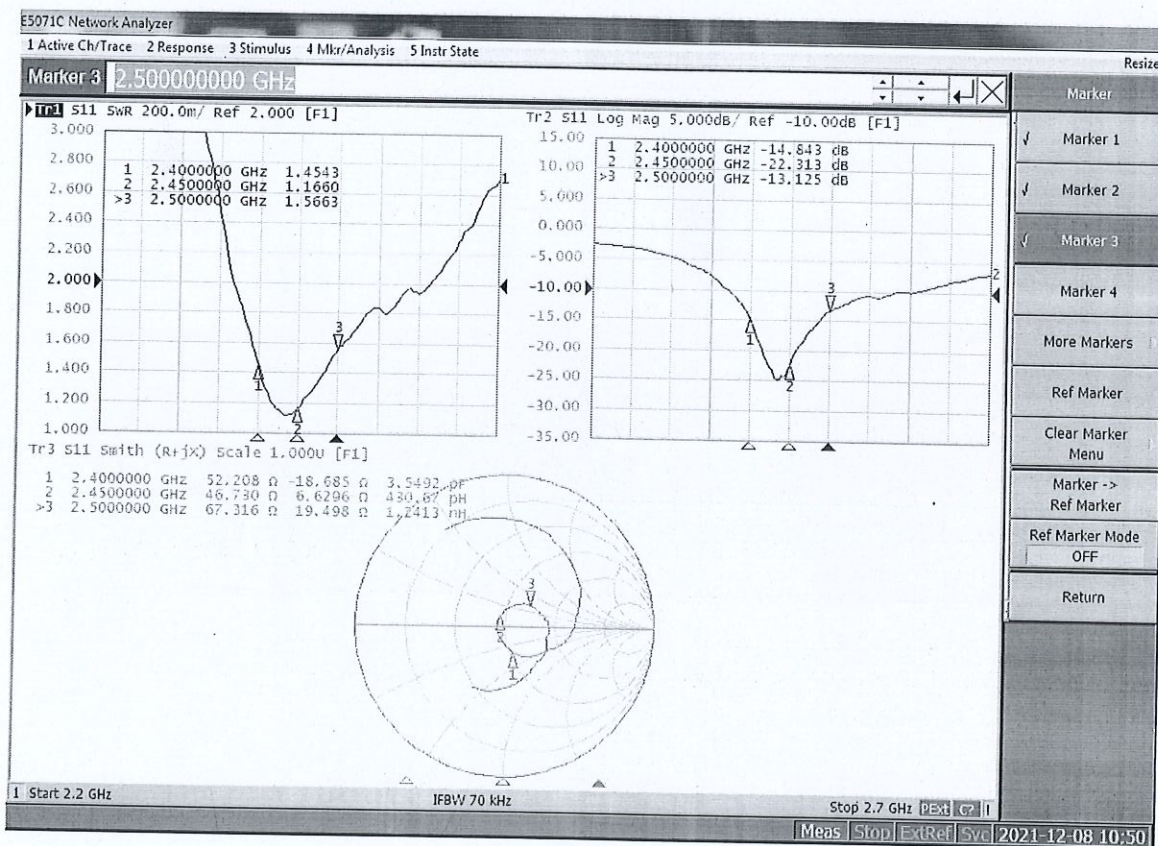
中望CAD教育版设计

三、电测报告 Product Characteristics

Agilent E5071C Network Analyzer



2400-2500MHz



Test Capability.

- Passive
- Galn
- HfSiGe
- Directivity
- Nonlinearities
- Beam Shift

RF/IF:

- GSM
- CDMA
- EDGE
- GPRS
- LTE TDD/FDD
- Wi-Fi (IEEE 802.11)
- Bluetooth (IEEE 802.15.1)
- DVB-T/Tx
- Terrestrial Radio

多模式射频功率放大器

无延迟限制的时隙开关阵列

支持多个仪器扩展使用

Azimuth Drive

Control PC

Control-USB

Communication UL/DL Switch

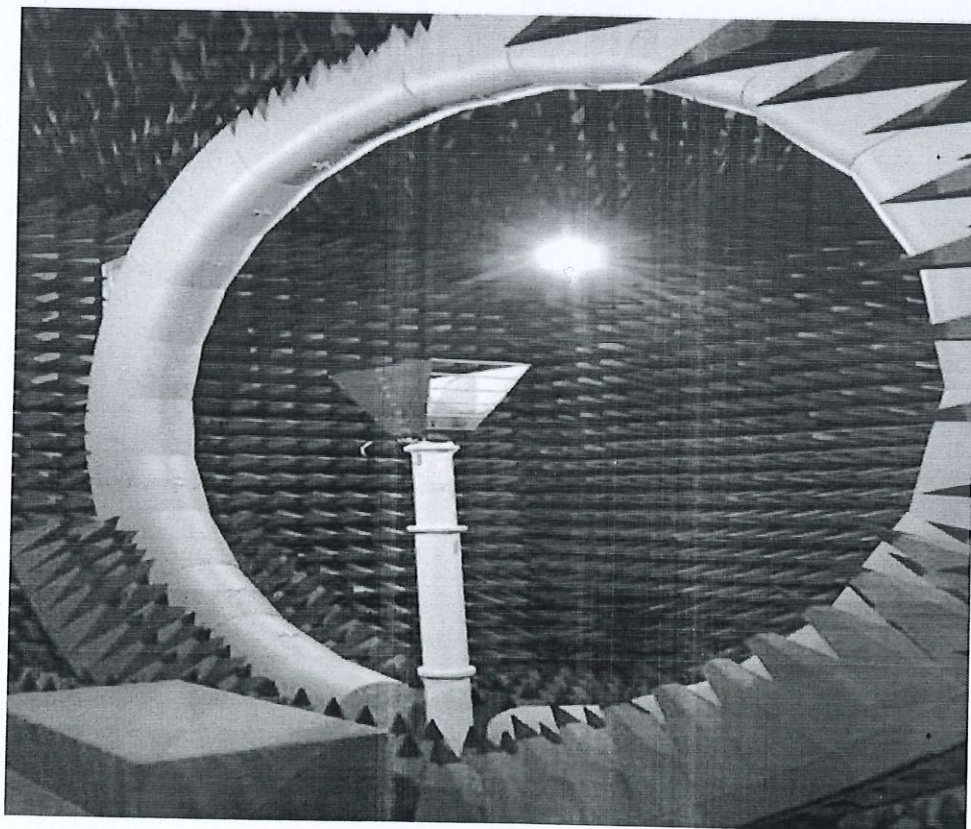
8960(GCWT)

8820/CW(LTE)

5071/8753(Passive)

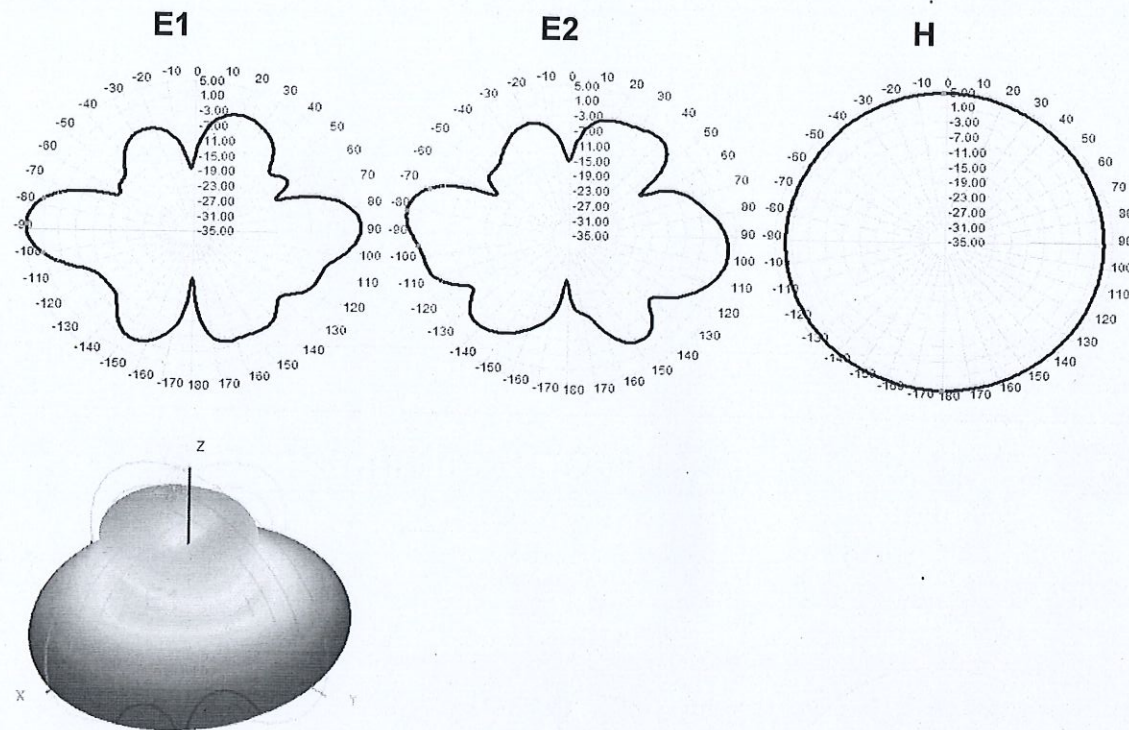
满足远场测试距离要求

可以方便地放置待测物

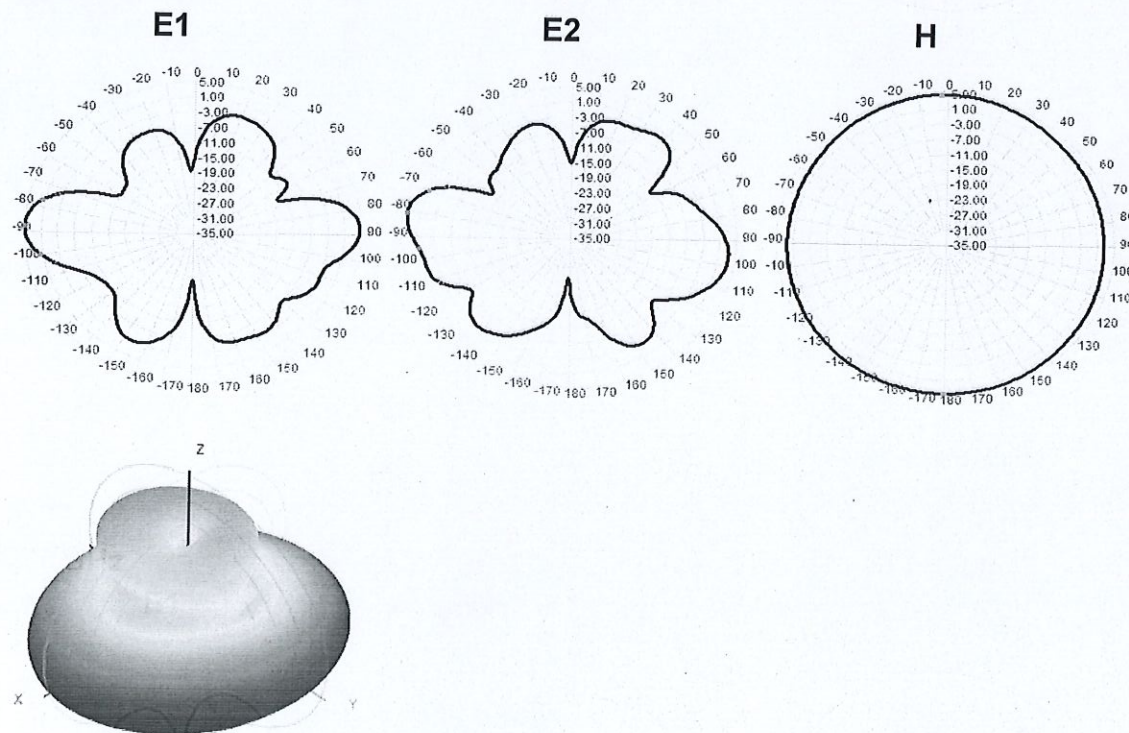


2.4~2.5GHz Radiation Pattern

2.4GHz

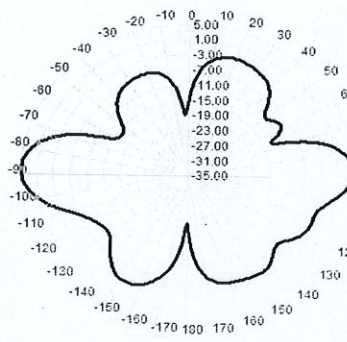


2.45GHz

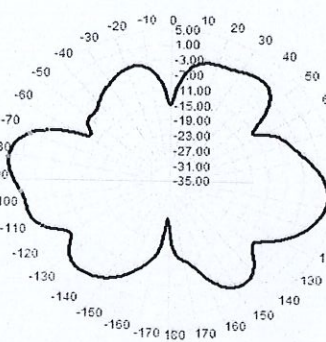


2.5GHz

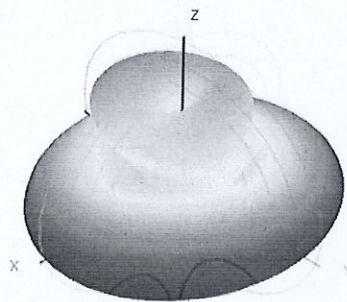
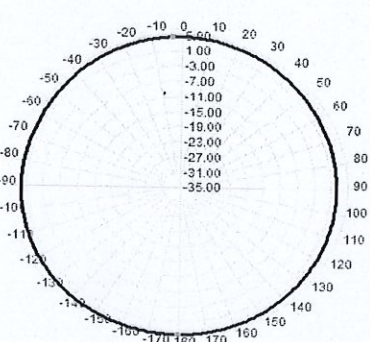
E1



E2



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1. Gain & Patterns test results

2D patterns

Summary

VSWR

	2400MHz	2450MHz	2500MHz
VSWR	1.45	1.16	1.56

3D Peak Gain & Efficiency

2D patterns Frequency Summary VSWR	Antenna	
	Peak Gain (dBi)	Efficiency (%)
2400MHz	4.54	73.4
2410MHz	4.75	74.1
2420MHz	4.87	73.3
2430MHz	4.89	73.4
2440MHz	4.99	75.1
2450MHz	5.21	74.7
2460MHz	5.11	73.4
2470MHz	4.71	74.5
2480MHz	4.73	73.4
2490MHz	4.64	72.8
2500MHz	4.97	72.2