

产 品 规 格 书

PRODUCT SPECIFICATION SHEET

制造商地址：深圳市龙岗区龙城街道黄阁坑社区京基御景时代大厦2
栋403A

Manufacturer's address: 403A, Building 2, Jingji Yujing Times
Building, Huangge Keng Community, Longcheng Street,
Longgang District, Shenzhen

RF Antenna Cable Assembly

Specification

1. Electrical Properties

1.1 Frequency Range.....2.4GHz-2.5GHz

1.2 Impedance.....50Ω Nominal

1.3 VSWR.....1.92:1MAX

1.4 Return Loss.....-10dB Max

1.5 Gain(peak).....4.60dBi

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1.6 Cable loss.....0.3dBi Max

1.7 Polarization.....Linear Vertical

1.8 Admitted Power.....2W

1.9 Cable.....OD1.13

1.10 Conn.....IPEX

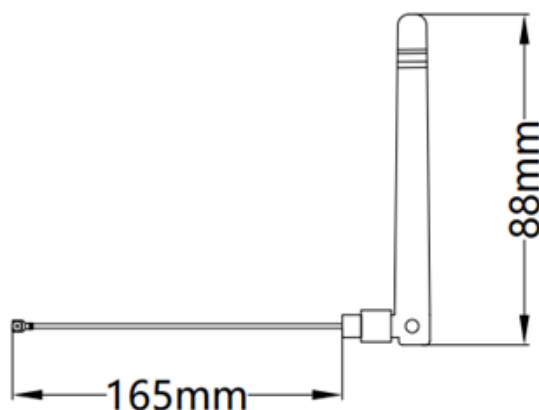
2. Physical Properties:

2.1 Antenna Material.....Cu

2.4 Operating Temp.....-20°C- +65°C

2.5 Storage Temp.....-30°C- +75°C

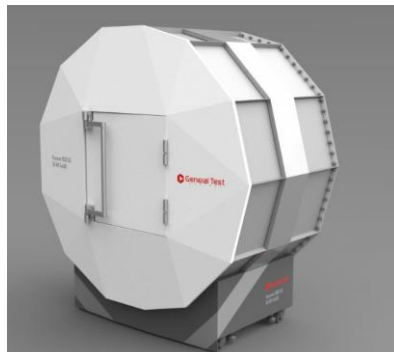
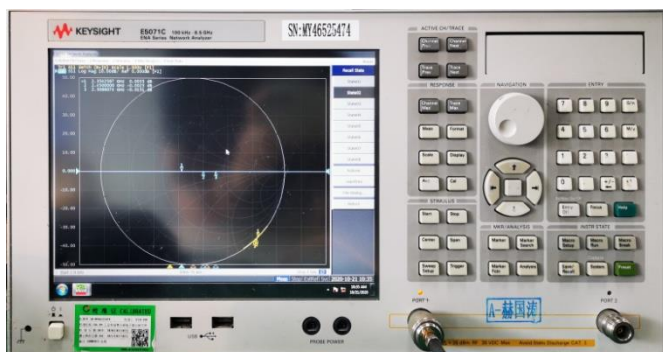
实物图 picture of real products:



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RF Antenna Test equipment diagram:



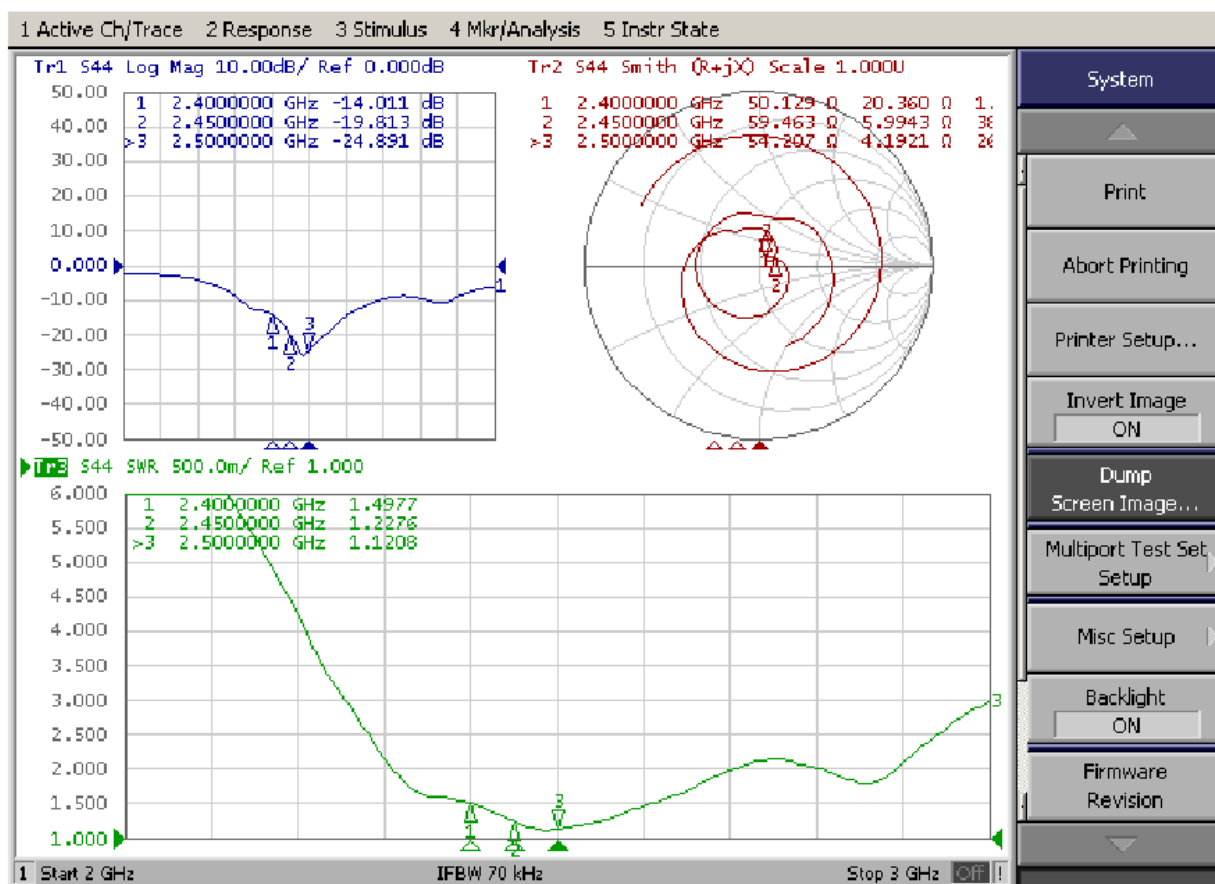
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品牌	名称	规格型号	配置	校准时间	有效时间	过期年份	备注
安捷伦	网络分析仪	E5071C	2端口、8.5G/WIN 7系统	2023年2	1年	2024年3月	/
安捷伦	综测仪	8960	2、3G	2023年2	1年	2024年3月	/
R&S	综测仪	CMW500	LTE/WIFI/BT 信令	2023年2	1年	2024年3月	/
安捷伦	信号源	E4438C	GPS等	2023年2	1年	2024年3月	/
仪器版本号: OTA20120415001							民

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天线回波与驻波比V.S.W.R:



Frequency(MHZ)	VSWR
2400	1.49
2450	1.22
2500	1.12

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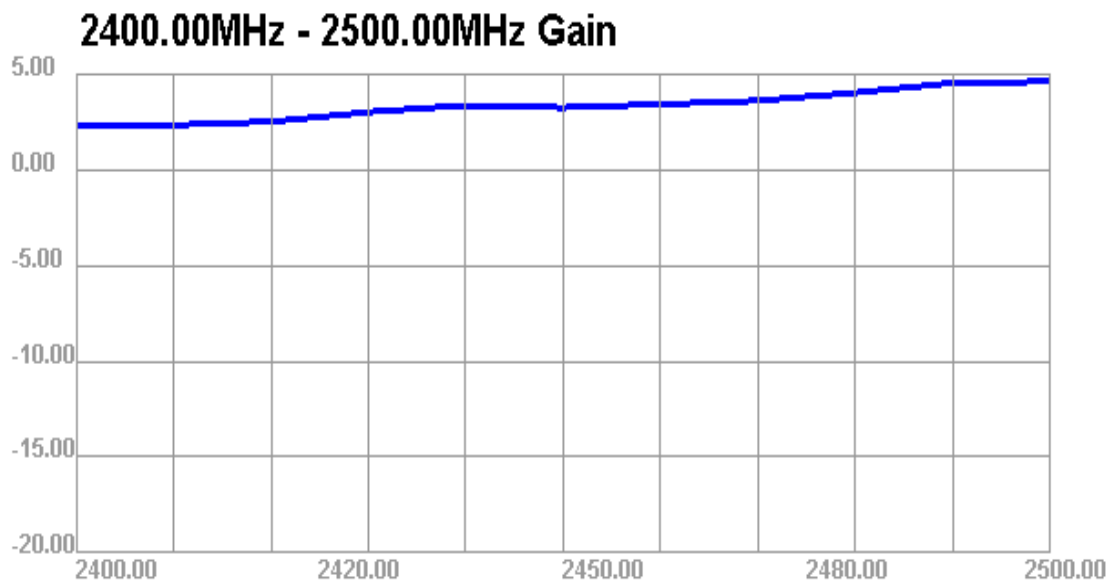
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RF Antenna Performance Assembly
SPEC:2.4~2.5GHz

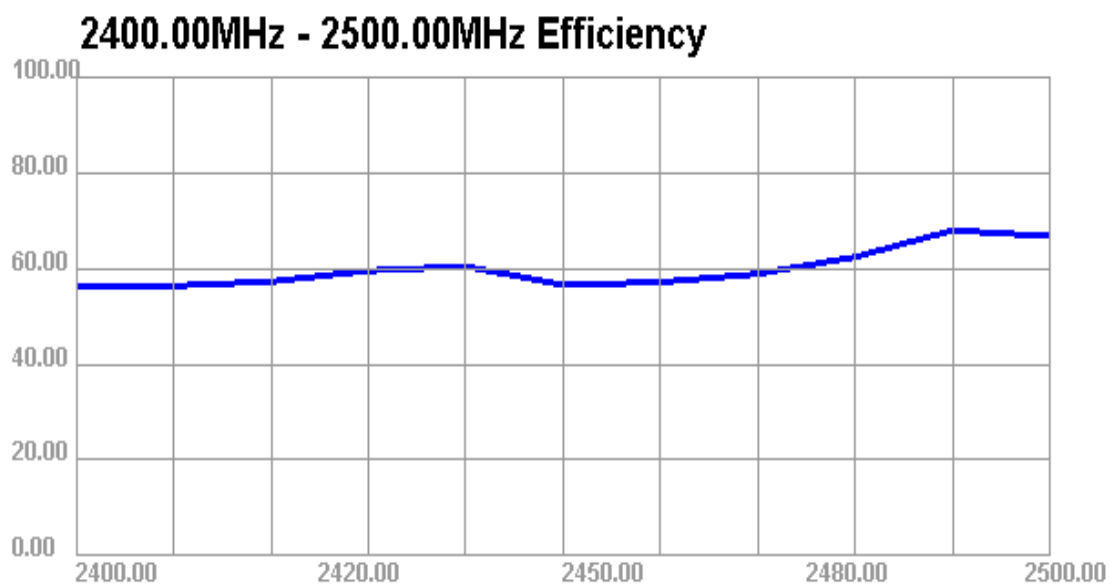
以下测试数据来源于无源测试后数据:

Frequency	Efficiency(%)	Peak GAIN(dBi)
2400	56.11	2.32
2450	56.55	3.25
2500	66.75	4.60

一. 增益 (Gain)



二. 效率(Efficiency)



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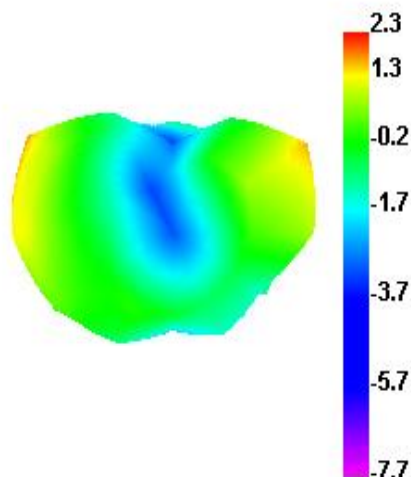
天线暗室 2D、3DRaditation Pattern (整机数据)

频率与频值: 2.40GHz

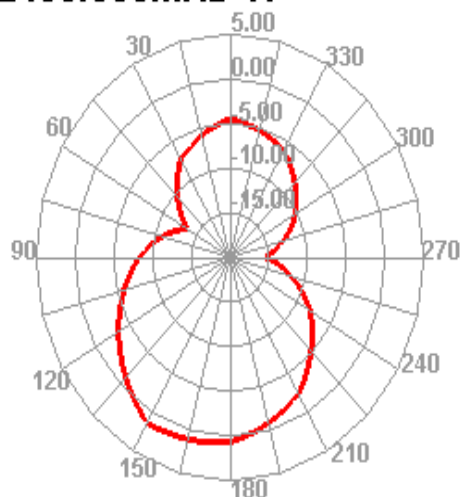
Peak Gain:2.3dBi

Efficiency:56.61%%

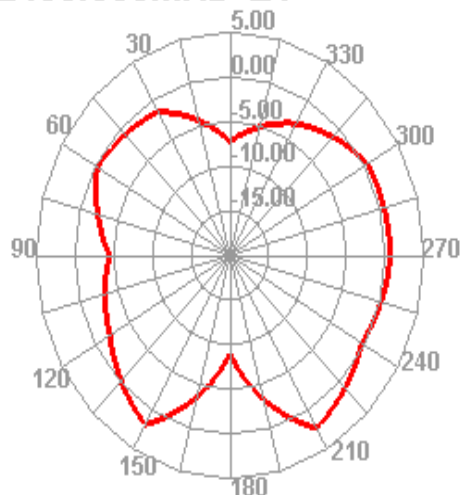
2400.000MHz



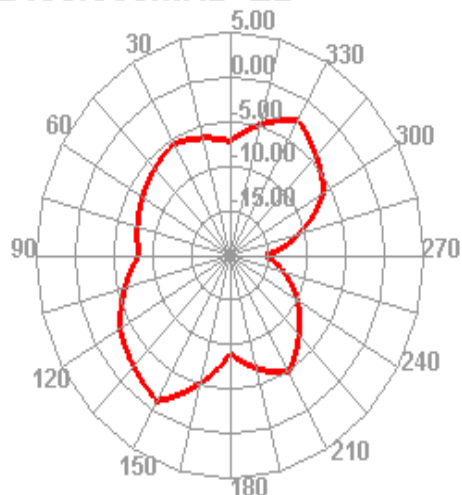
2400.000MHz H



2400.000MHz E1



2400.000MHz E2

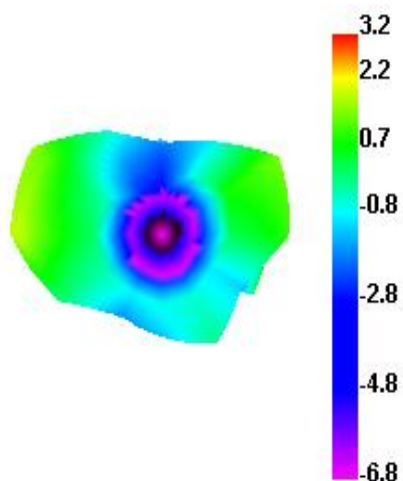


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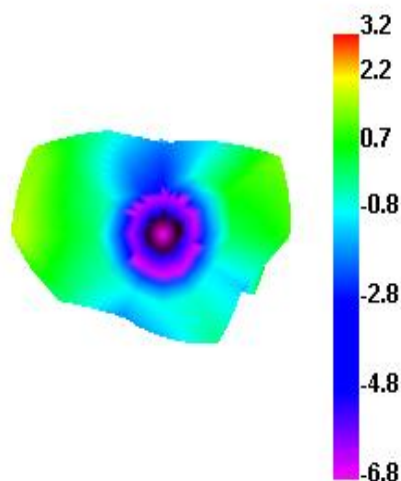
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频率与频值: 2.45GHz Peak Gain:3.2dBi Efficiency:56.55%%

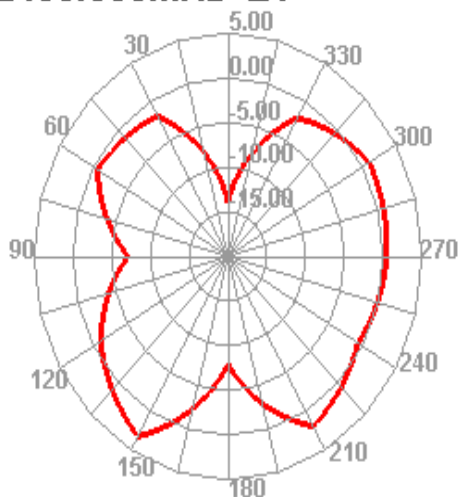
2450.000MHz



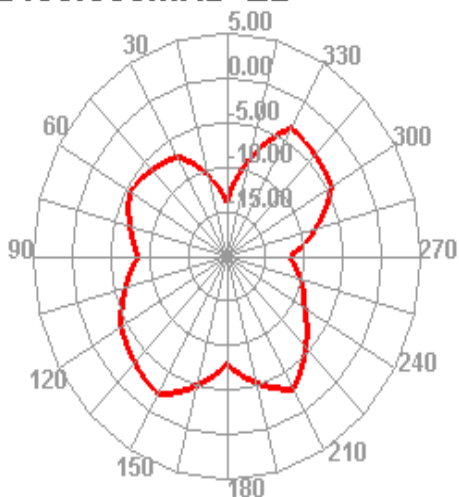
2450.000MHz



2450.000MHz E1



2450.000MHz E2

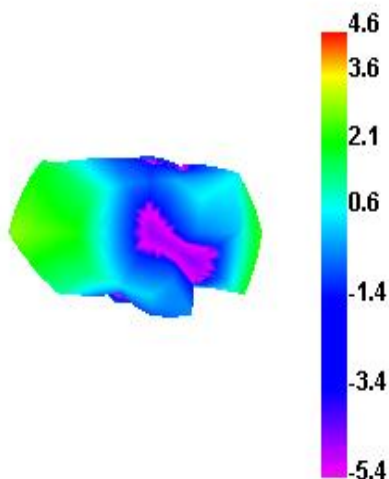


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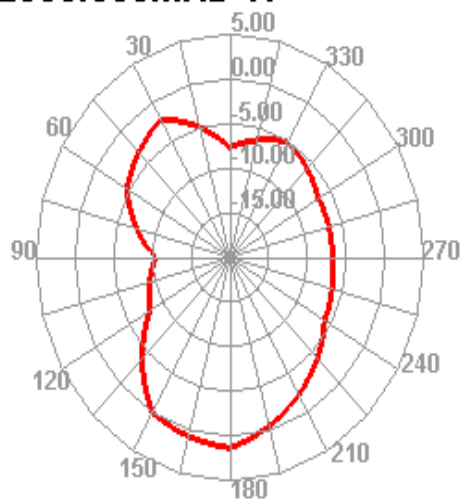
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频率与频值: 2.45GHz Peak Gain:4.6dBi Efficiency:66.75%%

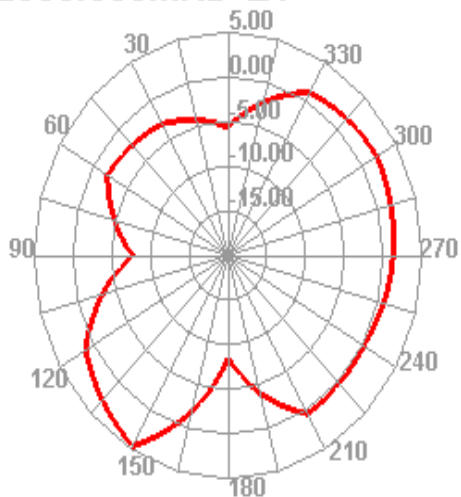
2500.000MHz



2500.000MHz H



2500.000MHz E1



2500.000MHz E2

