



深圳市鑫尔盛科技有限公司

ShenZhen XinErSheng Technology Co.,Ltd



材料规格承认书

Product Specification Report

代理商 (Agent):		
制造商 (Manufacturer) :		深圳市鑫尔盛科技有限公司 ShenZhen XinErSheng Technology Co.,Ltd
IGEN 料号 (Customer Part Number) :		19-0062-002
规格型号 (specifications and models) :		2.5DB 2.4G SMA 黑色公针 (阻燃等级 V0) 2.5DB 2.4G SMA Black Male Needle (Flame retardant class V0)
供应商料号 (Supplier part number) :		cp0346
供应商规格型号 (specifications and models):		2.5DB 2.4G SMA 黑色公针 (阻燃等级 V0) 2.5DB 2.4G SMA Black Male Needle (Flame retardant class V0)
品名 (name) :		天线 (Antenna)
生效日期 (effective data):		2023-09-04
IGEN 确认 (customer confirmation):		供应商签字盖章在下面方格 Supplier's signature and seal
确认 affirm	审核 verify	

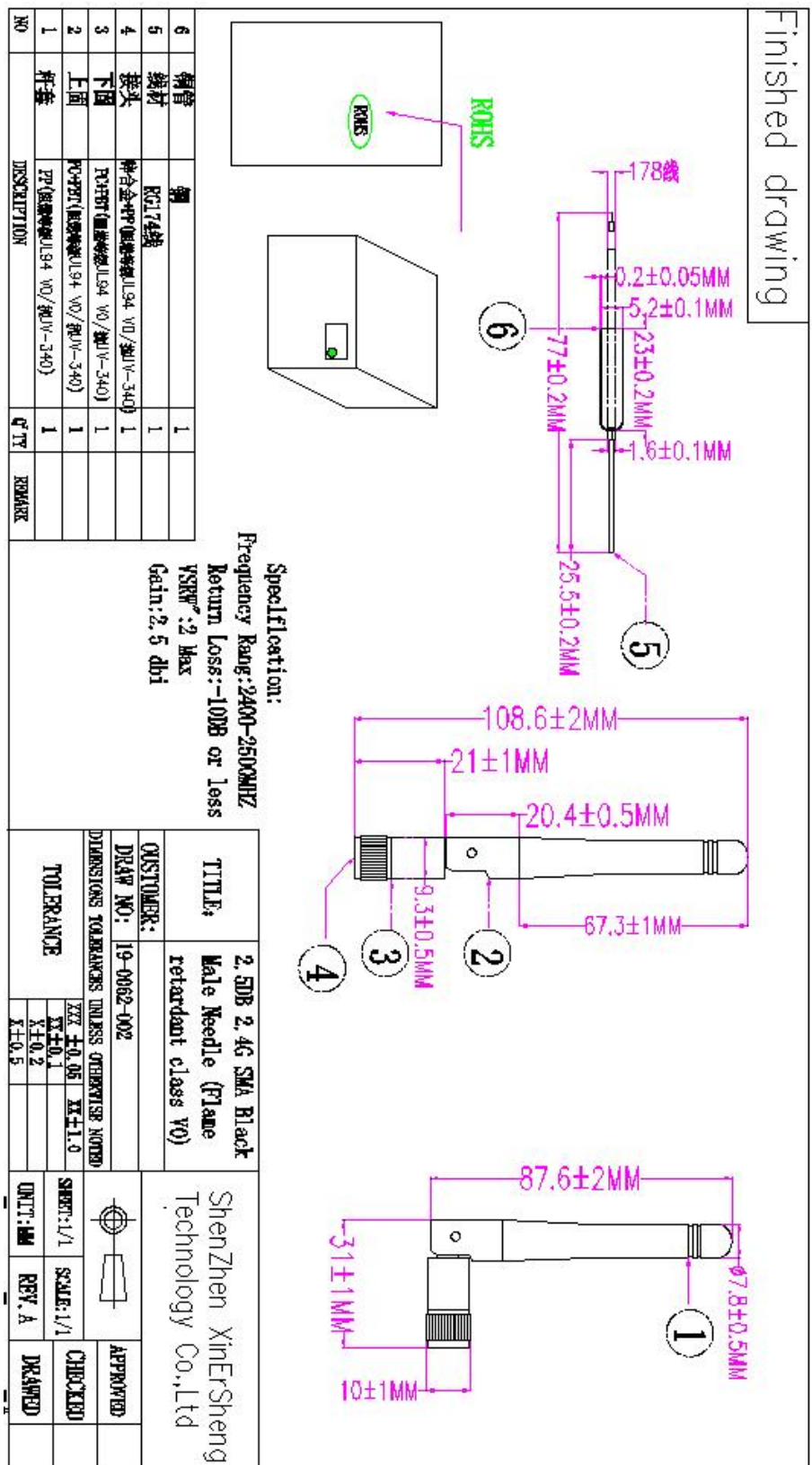
Product main technical parameters
产品主要技术参数

主要技术参数		Main technical specifications	
频率范围 (MHZ)	2400-2483	Frequency Range(MHZ)	2400-2483
中心频率 特性阻抗 (Ω)	50 ±10%	Impedance(Ω)	50 ±10%
峰值增益 (dBi)	2.5	Peak Gain(dBi)	2.5
反射损耗	≤-10	ReTurnLoss(dB)	≤-10
输出电压驻波比	≤1.92	VSWR	≤1.92
最大功率	1W	Admitted Power	1W
极化方式	垂直极化	Polarization	Linear Vertical
连接方式	SMA	Connector Type	SMA
物理特性		Physical Properties	
天线本体材料	PP (UL94 V0/UV-340)	Antenna Base	PP (UL94 V0/UV-340)
工作温度	-40℃-+85℃	Operating Temp	-40℃-+85℃
保存温度	-40℃-+85℃	Storage Temp	-40℃-+85℃

原材料清单:

序号 number	名称 Name	原料主要材质 Major impurity	数量 Quantity	单位 Unit	备注 Remark
1	杆套 stem casing	PP(flame retardant rating UL94 V0/ 抗 UV-340)	1	PCS	Black
2	上固 Upper fixing seat	PC+PBT (flame retardant rating UL94 V0/抗 UV-340)	1	PCS	Black
3	下固 Lower fixing seat	PC+PBT (flame retardant rating UL94 V0/抗 UV-340)	1	PCS	Black
4	SMA	铜+锌合金 (copper+zinc alloy)	1	PCS	Black
5	射频线 Wire rod	FEP/1.78	1	PCS	Brown
6	铜管 Copper pipe	铜 copper	1	PCS	Silver

Finished drawing 成品图

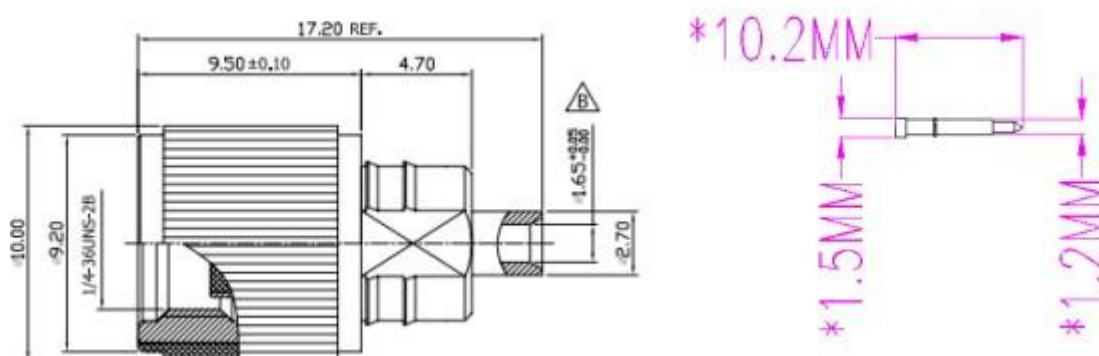


Internal main material parts drawing

内部主材零件图：

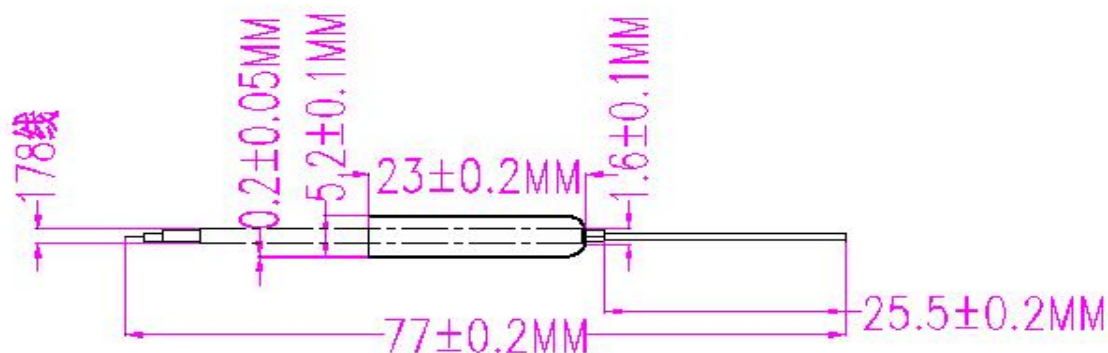
SMA Joint drawing

SMA 接头图纸：



Copper earth tube

接地铜管：

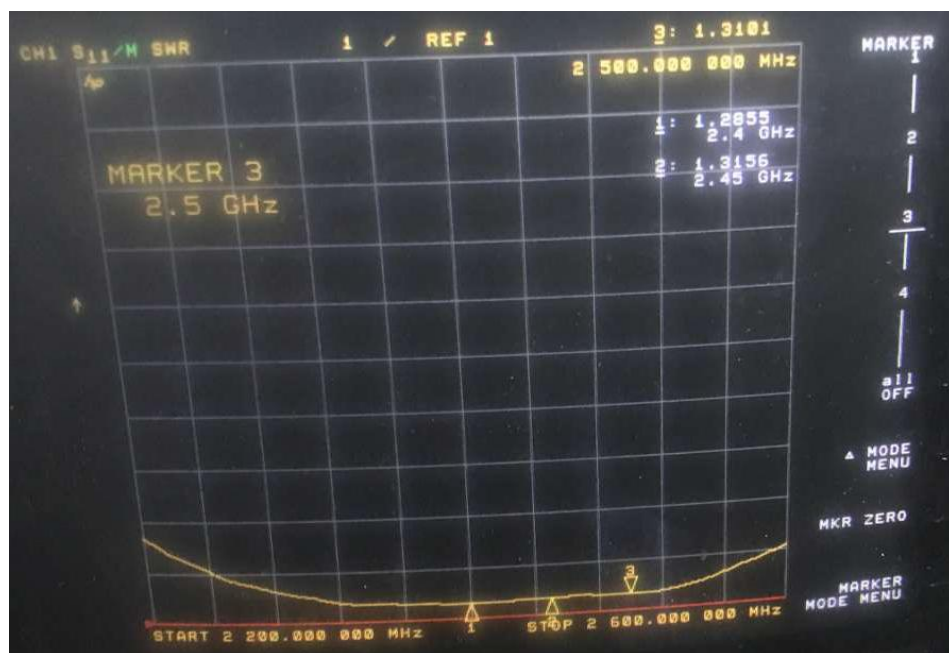


Test report:

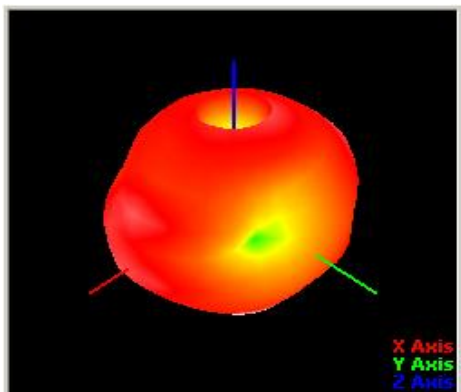
测试报告:

Network analyzer test report

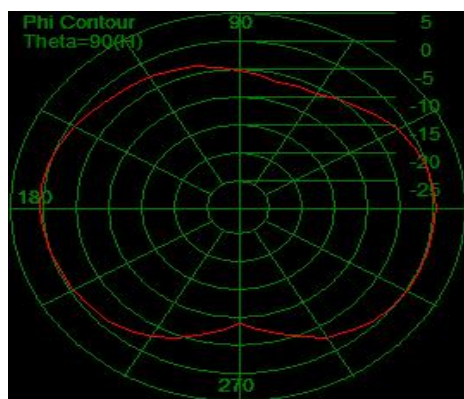
网络分析仪测试报告



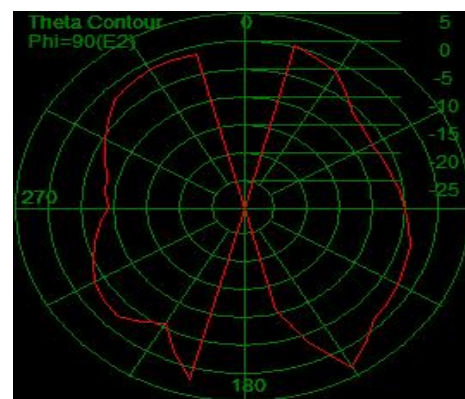
2D、3DRaditation Pattern



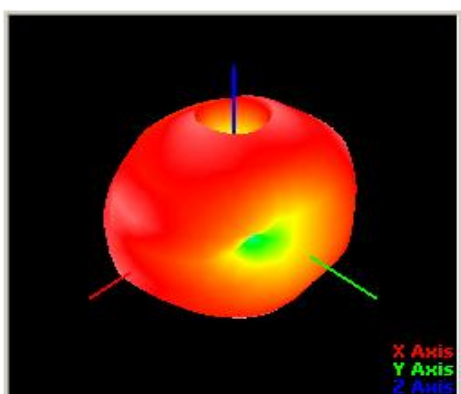
2.4G



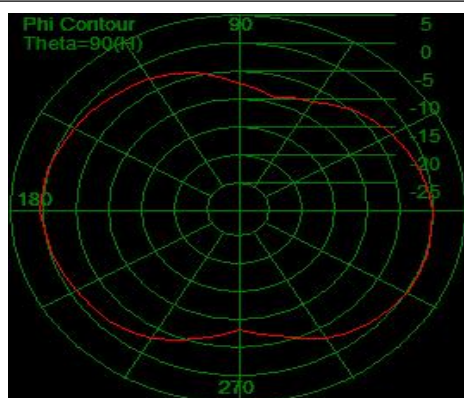
Gain(Peak):2.93dBi



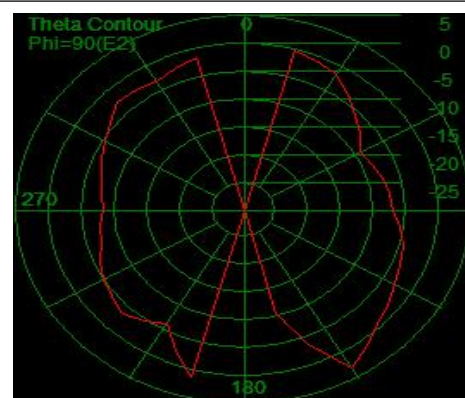
Efficiency:73.1%



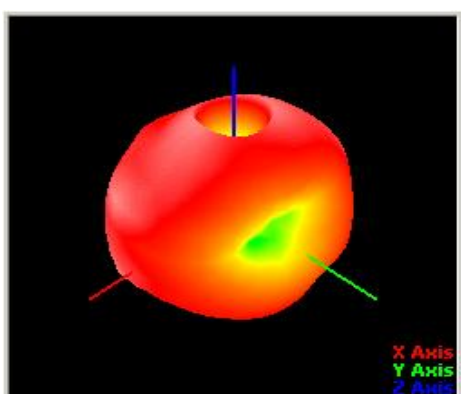
2.45G



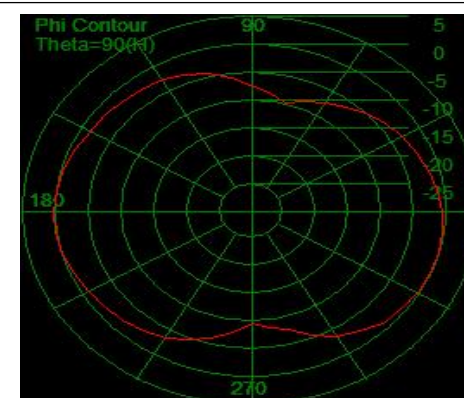
Gain(Peak):3.16dBi



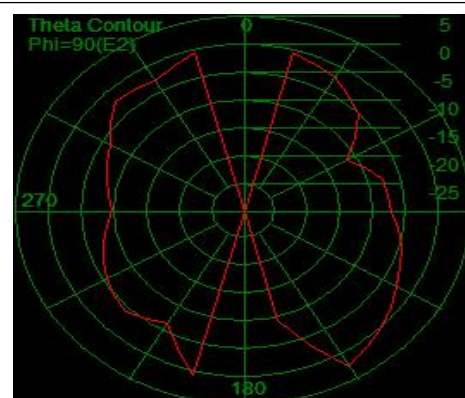
Efficiency:72.1%



2.5G



Gain(Peak):2.72dBi



Efficiency:71.3%