

规格承认书

Specification For Approval

客户名称: _____

Customer

规格描述: _____ Copper tube antenna

name

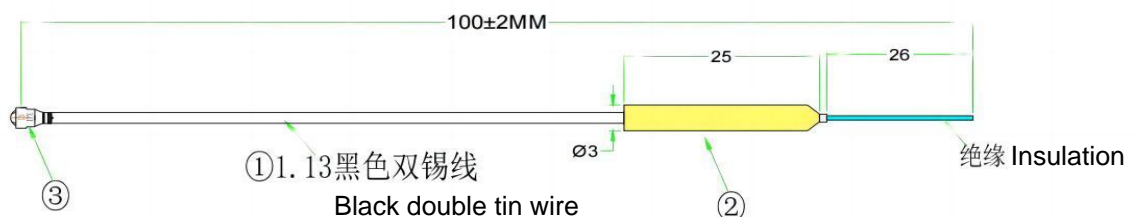
料号: _____ 3.03.0101003120

Part No

客户料号: _____ A755PEX2400L

Customer Part No

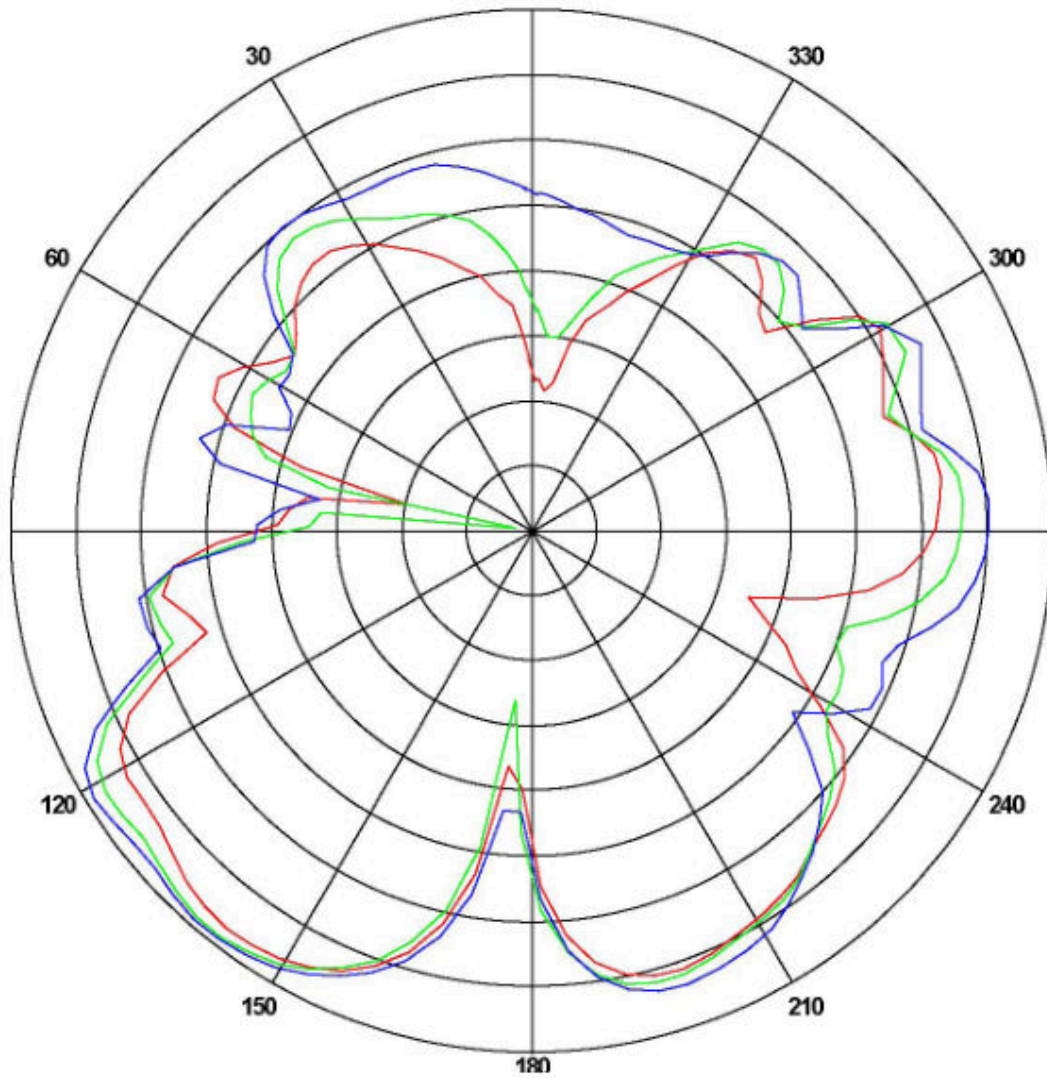
1. 产品尺寸图 Product size drawing



Horizontal: 2400 MHz 2450 MHz 2500 MHz

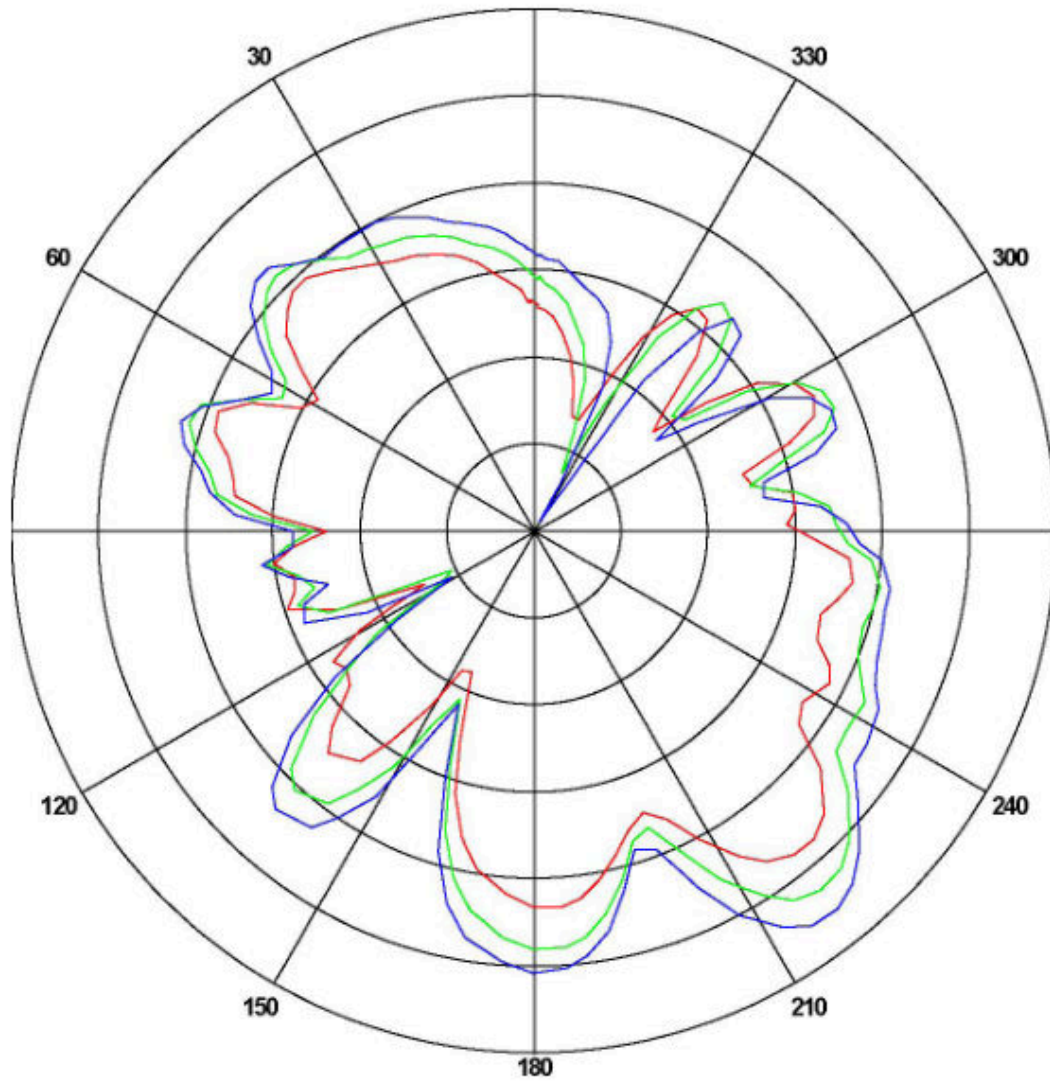
Power (dBm)

Max: 0 Min: -40 Scale: 5/div



Frequency (MHz)	Gain(dB)		
	Max	Min	Avg
2400	-1.73178	-30.0815	-8.48713
2450	-0.845801	-38.5605	-7.88012
2500	0	-24.0318	-6.79139

Vertical: 2400 MHz 2450 MHz 2500 MHz
 Power (dBm)
 Max: 0 Min: -30 Scale: 5/div



Frequency (MHz)	Gain(dB)		
	Max	Min	Avg
2400	-6.1530	-24.1420	-13.0295
2450	-3.7054	-26.5836	-10.6700
2500	-2.32122	-30.4301	-9.70536

2. 产品外观 Product appearance

外型尺寸 Size	L270MM	连接器型号 Connector	IPEX
外壳颜色 colour	Heat shrinkable tube black	电缆 Cable	1.13

3. 天线性能参数 Antenna performance parameters

项目 Items	特性 Specifications	单位 unit
频率范围 Center Frequency	2400-2500	MHz
输出阻抗 Output impedance	50	Ω
驻波比 V. S. W. R	对比波形 Compare the waveform	-
最大增益 MAX Gain	0	dBi
极化方式 Polarization mode	线性极化 Linear polarization	
辐射方向 Radiation direction	全向 omnidirectional	
最大输入功率 Maximum input power	5	W
工作温度 working temperature	-40~+70	$^{\circ}\text{C}$
储存温度 Storage temperature	-45~+75	$^{\circ}\text{C}$

4. 线材规格 Cable specification

1.13 线结构图 Structure chart



结构参数 Structure parameter

	材料 Material Science	直径 (mm) Diameter
1. 内导体 Inner conductor	镀银铜线 Silver plated copper wire	$7/0.08 \pm 0.02$
2. 绝缘体 Insulator	实心聚乙烯 (PE)	0.66 ± 0.02
3. 外导体 Outer conductor	镀锡铜线	0.88 ± 0.05

	Tinned copper wire	
4. 护套 Sheath	聚全氟乙丙烯 FEP	1.13±0.05
电性能参数 Electric performance parameters		
电容 (pF/m) Capacitance		96±3
d 阻抗 (ohm)		50
速率 (%) Rate		66
弯曲半径 (mm) Bending radius		≤7
最大工作电压 (VMS) Maximum working voltage		1000
最大工作频率 (MHz) Maximum operating frequency		6000
工作温度范围 (°C) Operating temperature range		-40~ +80
衰减 Attenuation		
	(MHz)	(≥ dB/m)
	100	0.42
	400	0.58
	1000	2.20
	2000	3.40
	3000	4.20
	4000	4.50
	5000	5.20
	6000	5.60

5. 环境实验 Environmental experiment

环境试验报告

Environmental test report

5.1 高低温恒湿试验 High low temperature and constant humidity test

料号 No		品名规格 Specifications	
试验项目 Items	高温、低温、恒湿试验 High temperature, low temperature and constant humidity test		
检测设备 Testing equipment	恒温恒湿试验箱 Alternating constant temperature and humidity test chamber	测试数量 number	
检验标准 Inspection standard	1. 金属表面镀层无脱落、裂痕、起皱等不良；非金属部分不能有变色、裂痕、变形、脱胶等现象。 1. The coating on the metal surface shall be free of peeling, cracking, wrinkling and other defects; the non-metal part shall not have discoloration, cracking, deformation, degumming and other phenomena.		
试验名称 Test name	试验项目 Test items	要求 requirement	试验方法 test method
			结果判定 Result judgment

	concentration: 2. Air pressure: 3. PH value: 4. spray volume: 5. Salt water test temperature setting a. Laboratory temperature: b. Pressure tank temperature: 6. Test time:		a) Adjust the salt spray tester to relevant test conditions. b) Put the test piece into the salt spray testing machine for 24 hours. After the test, rinse with clean water, visually inspect the appearance of the tested parts, and carry out routine inspection.	
检验员：陆晓君		审核：李晓屏	批准：刘纯	

6. 天线性能测试（空测） Standing wave ratio of antenna

