



SPECIFICATION

APPLICATION FOR APPROVAL

客户名称 CUSTOMER : 横店集团得邦照明股份有限公司
客户案号 CS P/N : A19 全彩智能灯泡
零件名称 PART NAME : AUK01993RB-2.4G BT 天线
耀登案号 DEVE NO. : A92488-90

承认日期 DATE : Nov. 11, 2022

客户确认:			
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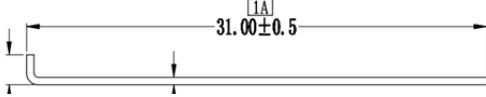
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天线基本参数 (The Basic Parameters)

项目 (Item)	特性 (Specifications)
天线结构组成	镀镍线
频率 (Frequency)	2.4g
驻波比 (V. S. W. R)	≤3
增益 (Gain)	≤3
极化方式 (Polarization)	线极化
特性阻抗 (Impedance)	50Ω
塑胶材质 (Plastic material)	无
接头形式 (joint type)	无
工作温度 (Operation temperature)	-40°C to 150°C
储存温度 (Storage temperature)	-40°C to 150°C
湿度 (humidity)	Non-condensing 65°C 95% RH
天线图片	

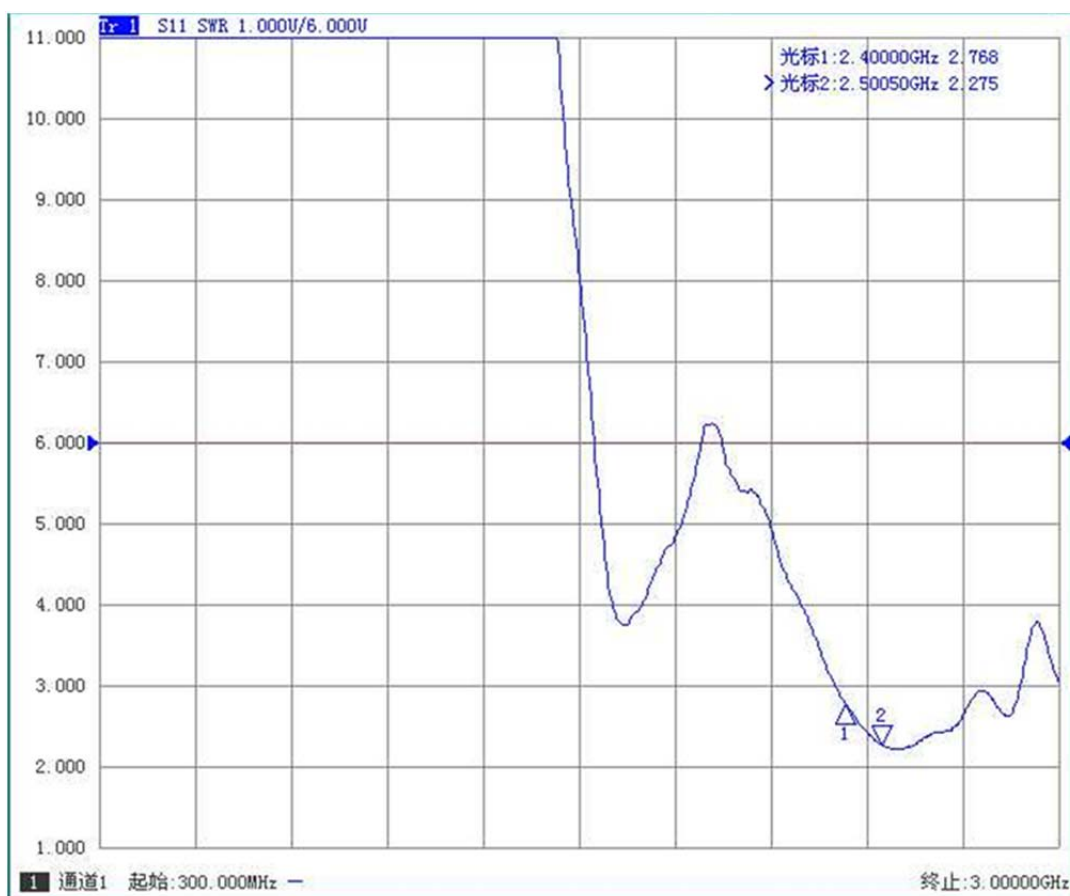
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电气测试报告 (RF Performance Test Report)

Vswr

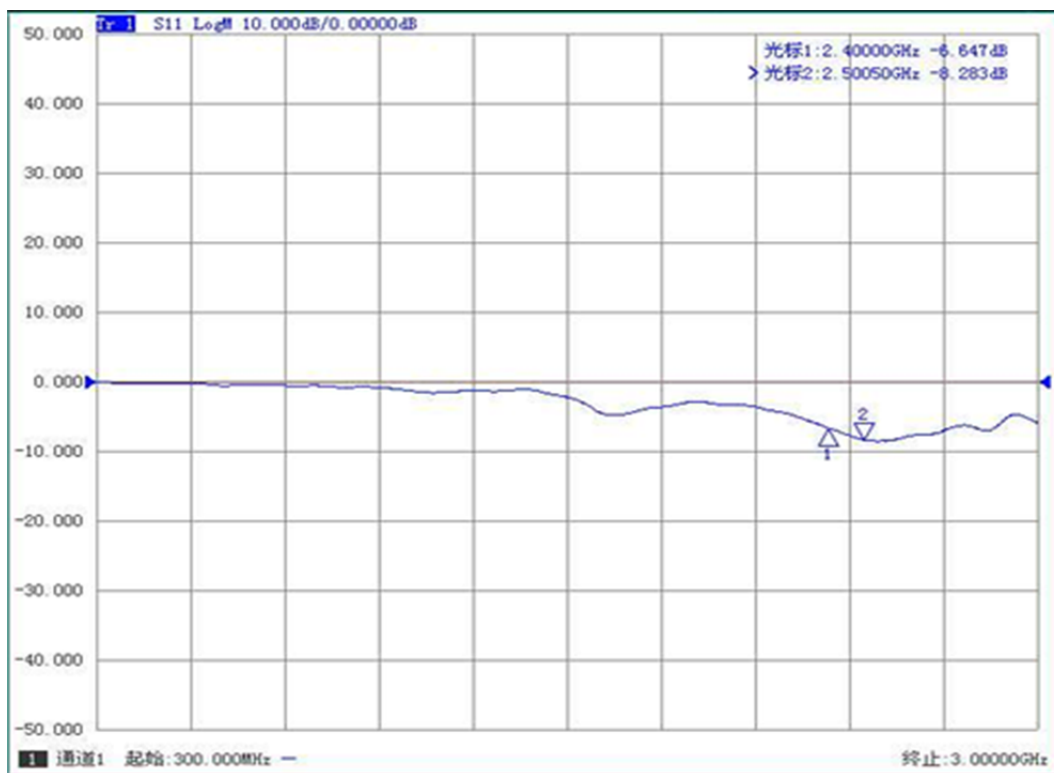
Item	Frequency Range
WIFI	2400MHz - 2500MHz



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Return loss



Main-无源测试数据

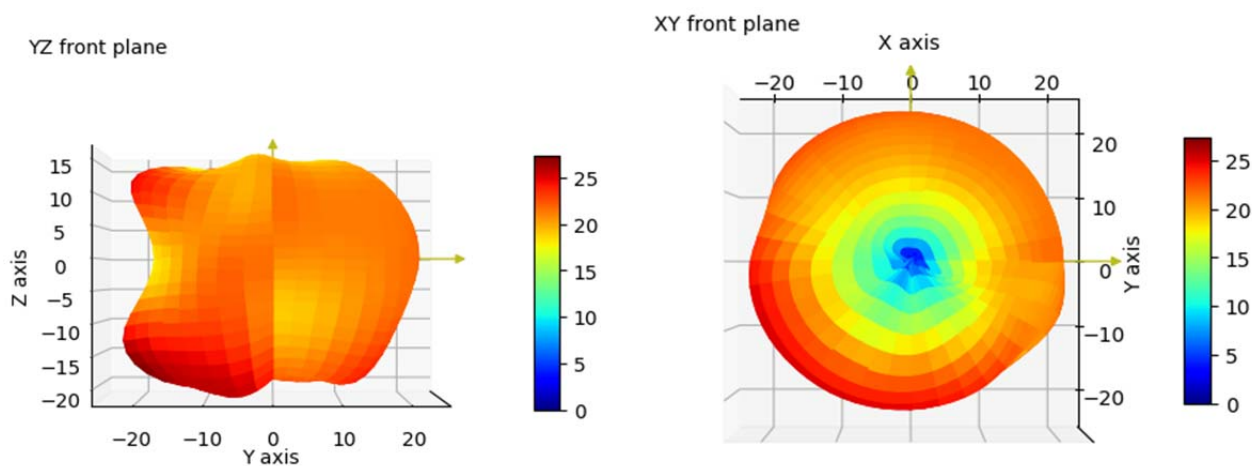
Frequency	Efficiency (%)	Gain (dBi)
2.4G	41.02	-0.2
2.41G	40.23	-0.27
2.42G	41.59	-0.01
2.43G	43.85	0.05
2.44G	41.88	-0.29
2.45G	47.86	0.49
2.46G	48.08	0.69
2.47G	50.12	1.07
2.48G	52	1.33
2.49G	48.42	1.05
2.5G	47.53	0.98

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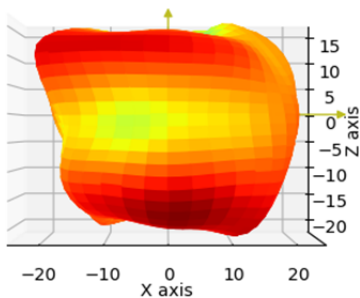
有源数据

	channel	TRP	TIS
802.11b TRP 11M TIS 11M	1	14	-85.39
	6	13.36	-85.53
	11	13.41	-84.5
802.11g TRP 6M TIS 54M	1	13.49	-70.71
	6	14.14	-70.07
	11	13.34	-70.34
802.11n TRP 6.5M TIS 65M	1	12.97	-68
	6	14.11	-67.39
	11	13.28	-67.37

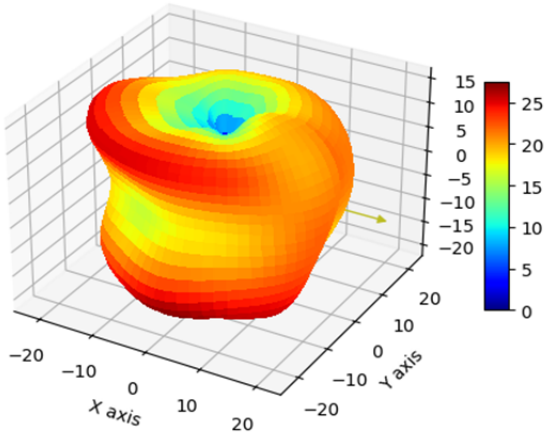
3D 测试数据

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XZ front plane



3D plot for 2.412MHz



工程图纸 (Product Drawing)

工程变更单	版本	客户版本	AREA 区域	DATE 日期	CONTENT OF CHANGE 变更事项
	A00			2021/07/30	新图发行
	A01			2021/09/07	新图发行

环境物质要求:

RoHS Cd	<100
RoHS Pb	<1000
RoHS Cr (VI)	<1000
RoHS Hg	<1000
RoHS Br	<1000
RoHS Cu	<1000
RoHS Ni	<1000
RoHS BDEs	<1000
RoHS PBBs	<1000
RoHS PBDs	<1000
RoHS PBDEs	<1000
RoHS PBTs	<1000
RoHS PCBs	<1000
RoHS PBBs	<1000
RoHS PBDEs	<1000

HF:
BR<900
CL<900
BR+CL<1500

本产品符合欧盟环保指令及有害物质限制指令

DIMENSION TOLERANCE

6 以下	±0.05
6 以上-30	±0.1
30 以上-120	±0.15
120 以上-315	±0.20
315 以上-1000	±0.3
1000 以上-2000	±0.5

01	镀银线	碳钢	1	镀锌	/	/	460579-00
料号	名称	材质	规格	表面处理	备注	原厂料号	料号
注: 标注1A, 2A, 4A——等尺寸为重点尺寸, 总计3A, 全尺寸共0个(不含重点尺寸)							表面加工 ∇ ∇ ∇ ∇ ∇ ∇
图名	图号	料号	表面处理	适用机种	开发案号		
总装		A92488-90		A92488-90	ALK01993FB-24G BT 天线		
材质	碳钢	投影					
单位	MM	比例	1/1				
文件编号/版本	AD-QP-0002-24/B						
		耀登电通科技(昆山)有限公司		作成	检图	确认	
		AUDEN TECHNO CORP.					

技术要求:

1. 材料: 镀银线 (碳钢)
2. 线径: 0.5
3. 切口平整, 直角过渡处R角处理, 来料表面不可有锈斑, 油污等不良;
4. 产品需符合RoHS+HF标准;
5. 带“A”尺寸为进料必检尺寸;
6. 产品出货方式为PE包装出货;

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