
承认书

SPECIFICATION FOR APPROVAL

Customer:

Customer's part number:

Product description: 2.4G rubber duck Antenna

Uni Link's part number: KXWX-2.4G-Z

Issue Date: 201911/07

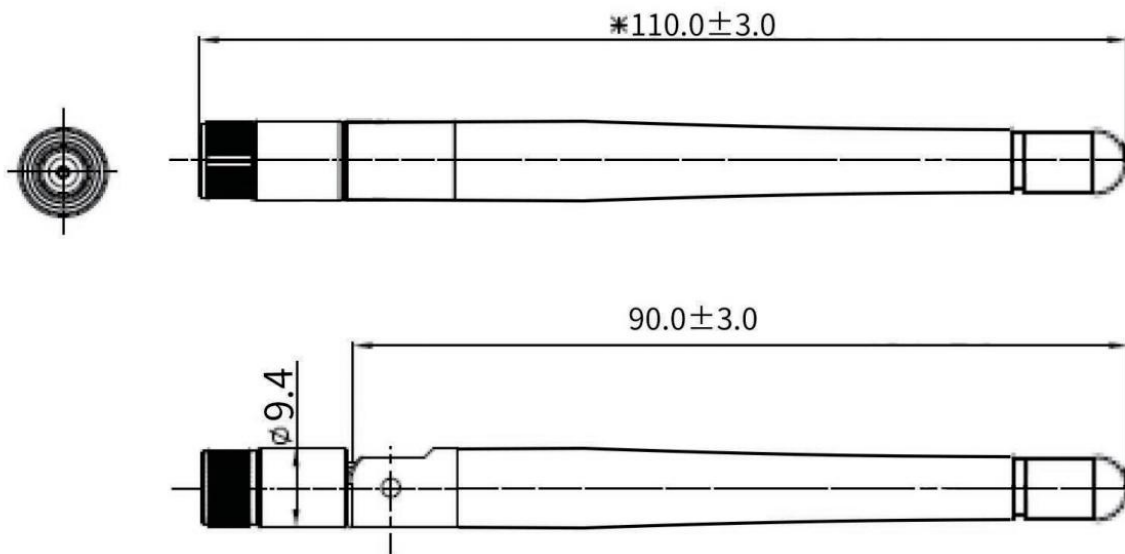
Note: 2400-2500MHz,SMA male

Customer Use		Customer's authorized signature	Remarks
Full approved			
Conditional approved			
Rejected			

一、产品参数

型 号	KXWX-433E-4
主要技术指标	
频率范围 (MHz)	2400-2500±5MHZ
频带宽度 (MHz)	10
电压驻波比	≤1.5
增益 (dBi)	0
最大功率 (W)	50
输入阻抗 (Ω)	50
极化形式	垂直极化
天线尺寸 (mm)	110+/-5
电缆长度 (mm)	
接口形式	SMA MALE
Model	
Main Technical Specifications	
Frequency Range (MHz)	2400-2500±5
Bandwidth (MHz)	10
VSWR	≤1.5
Gain (dBi)	0
Max Input power (W)	50
Input Impedance (Ω)	50
Polarization Type	Vertical
Antenna Size (mm)	110+/-5
Line Length (mm)	
Connector Type	SMA MALE

二、产品规格 (Specifications)



1. 电气测试 (Electrical Characteristic)

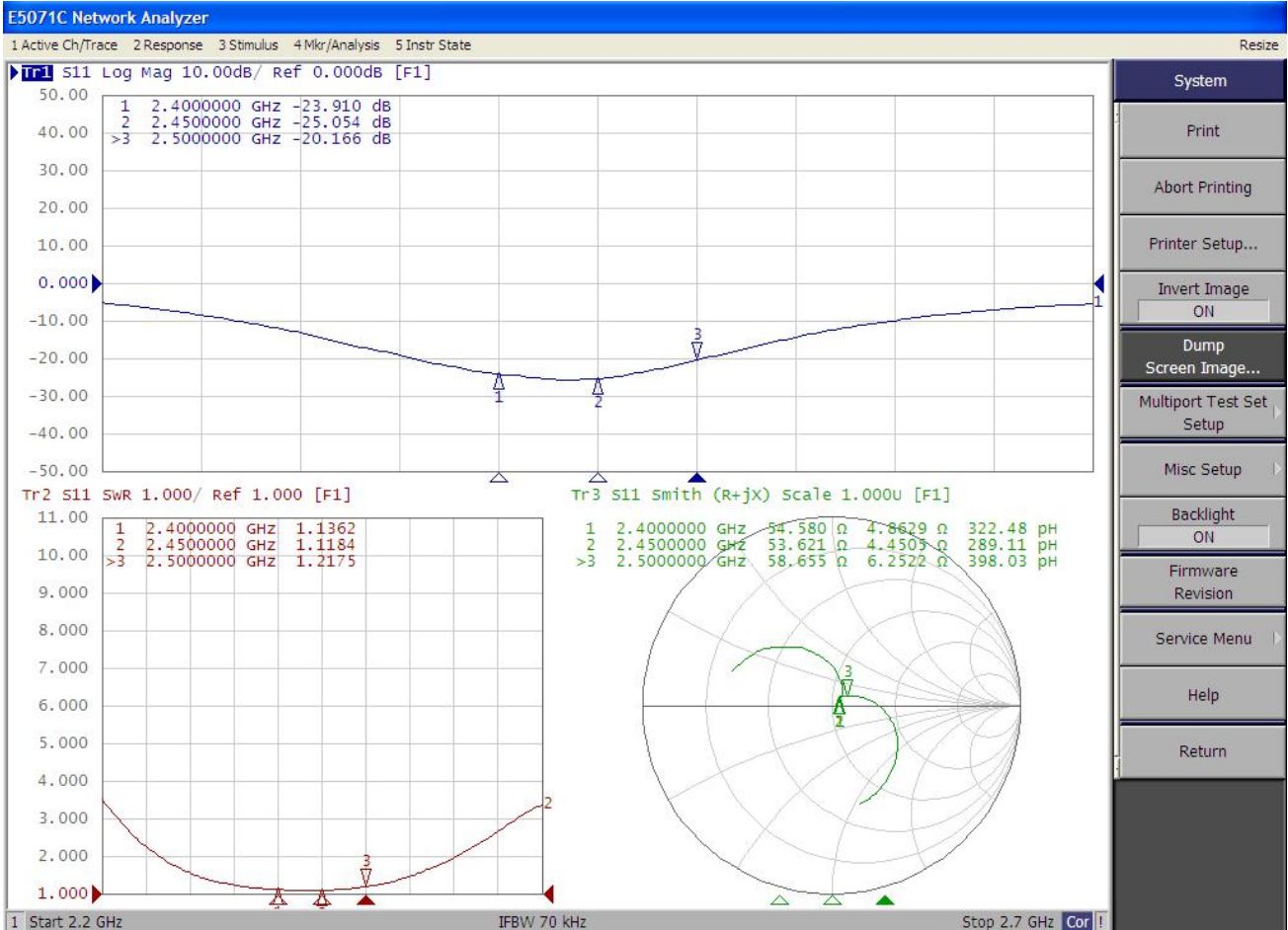
	ITEM 项目	TEST CONDITION 测试环境	SPECIFICATION 规格
1	电压驻波比 VSWR	Using PROTEK A333 networking analyzer to measure Antenna S1 VSWR characteristics 使用 PROTEK A333 网路分析仪测试天线 S1 之电压驻波比参数	PIC 1
2	阻抗 Smith Chart	Using PROTEK A333 networking analyzer to measure Antenna S1 Smith Chart characteristics 使用 PROTEK A333 网路分析仪测试天线 S1 之史密斯阻抗参数	PIC 2
3	增益响应 Gain Response	Using PROTEK A333 networking analyzer to measure Antenna S1 Gain Response characteristics 使用 PROTEK A333 网路分析仪测试天线 S1 之史密斯阻抗参数	

2. 机械性能 (MECHANICAL CHARACTERISTICS)

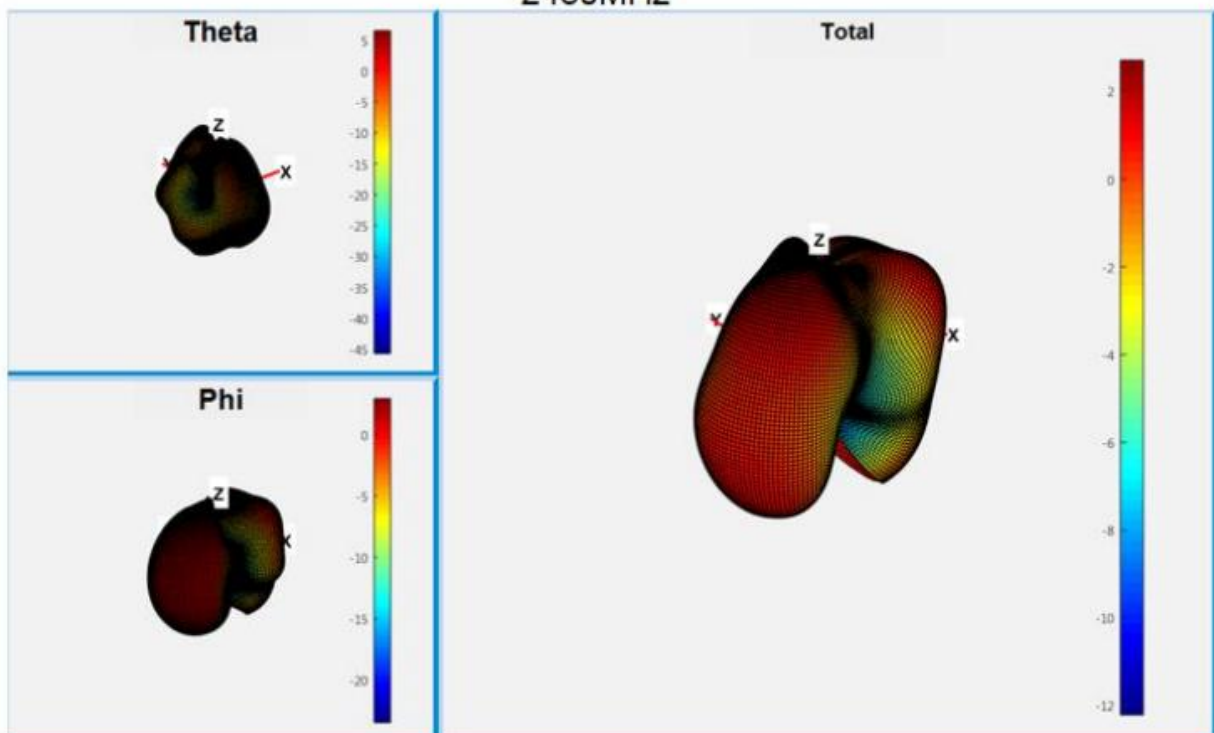
1	摇摆测试 BENDING TEST	<p>Put load 120g at the end of the wire, fixed joints, swaying test at an angle of 60 degrees , test features after 1000 times</p> <p>放离接头 30CM 的线端上荷重 120g，固定接头后进行摇摆测试，左右角度各 60 度，1000 次后测试特性.</p>	No sign of damage
2	强度测试 STRENG TEST	<p>15 pounds of static load applied to the bottom of the actinomyces end for one minute.</p> <p>一个 15 磅之静负荷施加放线端底部持续一分钟.</p>	No sign of damage
3	拉力测试 PULLING FORCE	<p>Pull test with a tension meter between connector and wire</p> <p>用拉力计接头及线材间进行拉力测试.</p>	No sign of damage
4	振动测试 VIBRATION TEST	<p>the X-axis direction for 120 minutes, and the Y-axis direction 120 minutes, the Z-axis direction 240 minutes as vibration testing of 1.1mm amplitude and 33.30Hz/sec of frequency</p> <p>以 1.10mm 和振幅和 33.30Hz/sec 振动频率以 X 轴方向振动 120 分钟, Y 轴方向振动 120 分钟, Z 轴方向振动 240 分钟.</p>	No sign of damage

3. 耐久性测试 (DURABILITY)

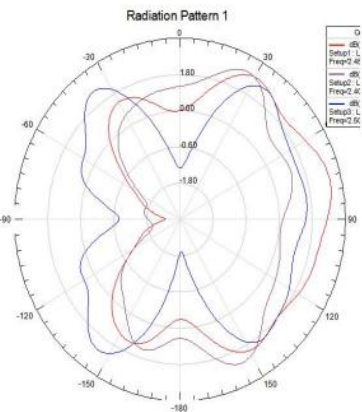
1	盐雾试验 SAIT SPRAY TEST	盐水喷雾试验：依 GB1266-86 标准 蒸馏水：一次蒸馏 PH6.5~7 喷雾量：1.4me80cm ² /h 压缩空气压力：1Kgf/cm ² 试验相对度：98° 温度：45° ~47° 压力温度：35° 测试时间：96hr	所有规格变华范围初始值 30% All characteristic range is 30% of the initial value
2	高温试验 HEAT TEST	在 50 +/- 2 °C 环境中放 96 小时，再放在正常环境中 30 分钟后进行测试 50 +/- 2 °C for 96 hours, after keep in normal condition for 30mim the to test.	
3	温试验 HUMIDITY TEST	在 40+2°C 90-95%RH 环境中放 96 小时，再放在正常环境中 30 分钟后进行测试 40+2°C 90-95%RH for 96hours, after keep in normal condition for 30mim the to test.	
4	低温试验 COLD TEST	在-40+2°C 环境中放 96 小时，再置放正常环境中 30 分钟后进行测试 -40+2°C for 96hours, after keep in normal condition for 30mim the to test.	



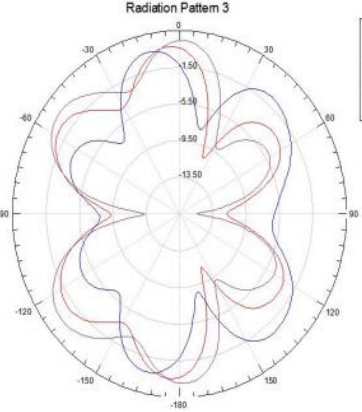
2450MHz



Radiation Pattern XOZ



Radiation Pattern YOZ



Radiation Pattern XOY

