

产品规格书

PRODUCT SPECIFICATION

Customer:

Customer's part number:

Product description: 2.4G patch Antenna

Uni Link's part number: MS-2.4G-TP1

Issue Date: 20012-12-30

Note: 2400-2500 ± 3 MHz, SMA male

Application and Features

Applications :

- 1: 2.4G ISM band applications
- 2: ISM, RFID applications
- 3: Remote antenna location for better reception

Features :

- 1: Compact size
- 2: Mounting foam tape on back
- 3: Indoor or outdoor use

一、目录

- 1、产品技术指标 (SPECIFICATIONS)
- 2、产品图片 (PICTURE)
- 3、产品规格图 (DRAWING)
- 4、机械性能 (MECHANICAL CHARACTERISTICS)
- 5、耐久性测试 (DURABILITY)
- 6、回损 (RETURN LOSS)
- 7、驻波图 (VSWR)
- 8、辐射图 (RF RADIATION PATTERN)

1、产品技术指标（SPECIFICATIONS）

电性能指标 Electrical Specifications	
频率范围 Frequency Range (MHz)	2400-2500
频带宽度 Bandwidth (MHz)	6
输入阻抗 Input Impedance (Ω)	50
电压驻波比 V.S.W.R	≤ 1.5
增益 Gain (dBi)	3
最大输入功率 Max Input Power (w)	50
机械指标 Mechanical Specifications	
天线长度 Antenna Length (mm)	50*8
连接器型号 Connect Type	SMA male(用户指定)
外壳颜色 Radome Color	黑色 Black

2、产品图片 (PICTURE)



3、产品规格图 (DRAWING)

单位：mm 比例：1:1



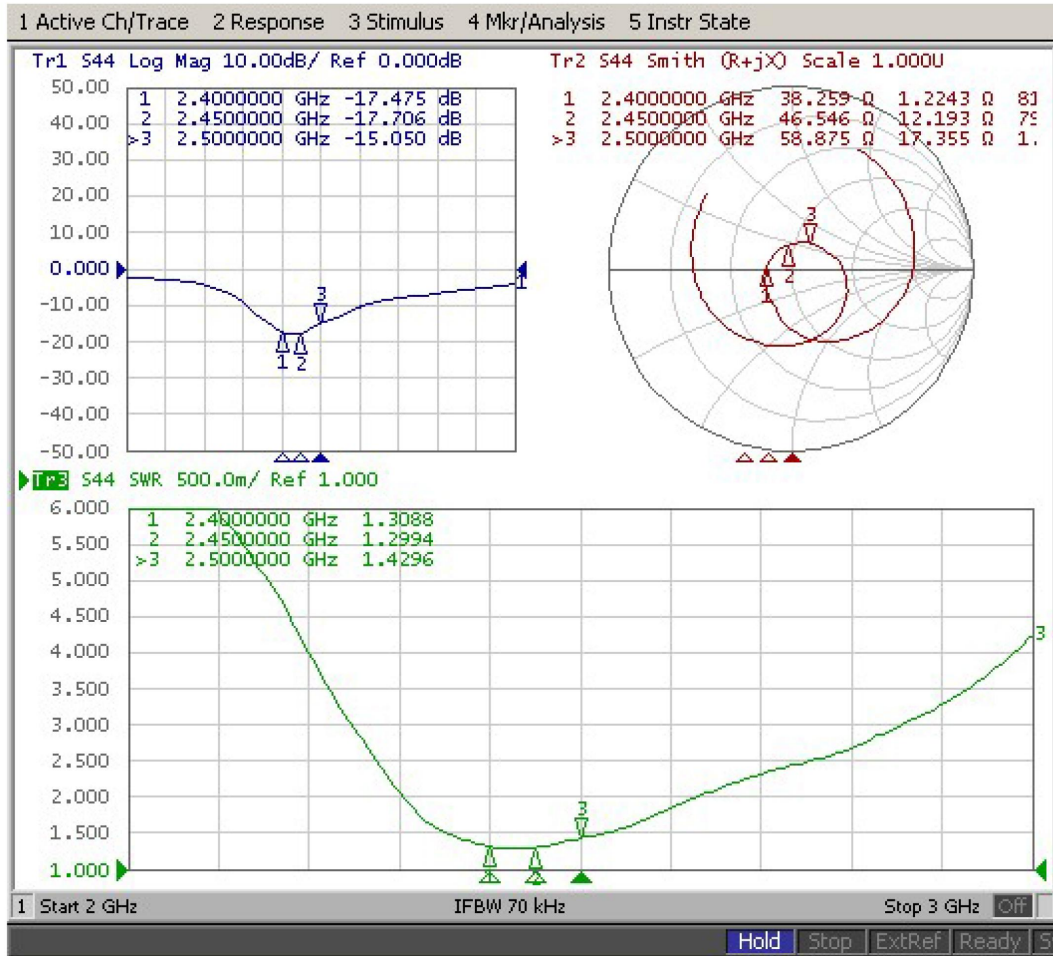
4、机械性能（MECHANICAL CHARACTERISTICS）

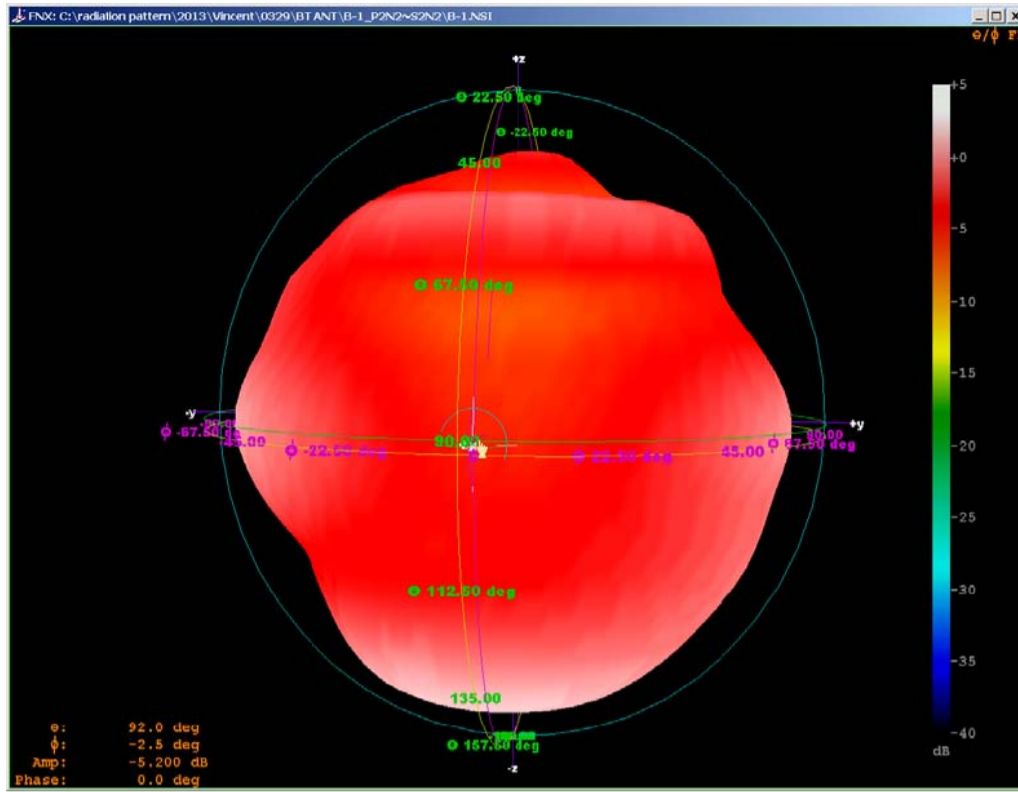
1	<p>摇摆测试 BENDING TEST</p>	<p>放离接头 30CM 的线端上荷重 120g，固定接头后进行遥摆测试，遥摆角度左右各 60 度，遥摆 1000 次后测试特性。 Put load 120g to 30cm cable from the end of the connector, fixed joints, swaying test at an angle of 60 degrees , test features after 1000 times</p>	<p>特性无任何现象显示电器性能之损坏。 after 1000 times test no visible damage</p>
2	<p>强度测试 STRENG TEST</p>	<p>一个 15 磅之静负荷施加放线端底部持续一分钟。 Put 15pounds static load to the end of the cable continue 1 minute</p>	<p>无任何现象显示机械及电器性能之损坏。 After test no visible damage</p>
3	<p>振动测试 VIBRATION TEST</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。 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>无任何现象显示电器性能之损坏。 After test no visible damage</p>

5、耐久性测试（DURABILITY）

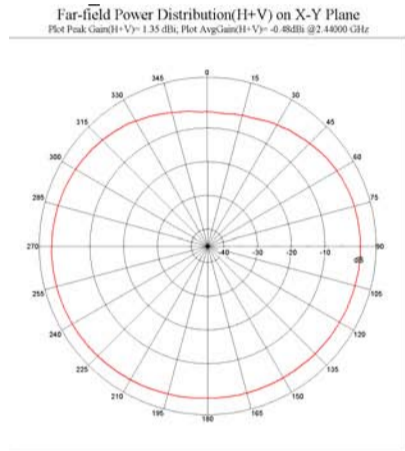
1	<p>盐雾试验 SAIT SPRAY TEST</p>	<p>盐水喷雾试验：依 GB1266-86 标准 蒸馏水：一次蒸馏 PH6.5~7 喷雾量：1.4me80cm²/h 压缩空气压力：1Kgf/cm² 试验相对度：98° 温度：45° ~47° 压力温度：35° 测试时间：96hr</p>	<p>所有规格变华范围 围初始值 30% All characteristic range is 30% of the initial value</p>
2	<p>高温试验 HEAT TEST</p>	<p>在 85+2℃环境中放 96 小时，再放在正常环境中 30 分钟后进行测试 85+2℃ for 96 hours, after keep in normal condition for 30mim the to test.</p>	
3	<p>温试验 HUMIDITY TEST</p>	<p>在 40+2℃ 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℃ 90-95%RH for 96hours, after keep in normal condition for 30mim the to test.</p>	
4	<p>底温试验 COLD TEST</p>	<p>在-40+2℃ 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℃ for 96hours, after keep in normal condition for 30mim the to test.</p>	

7、驻波图 (VSWR)

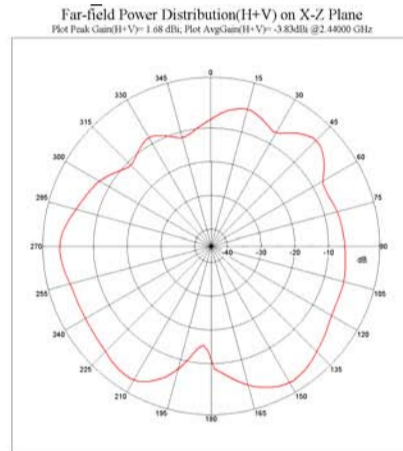




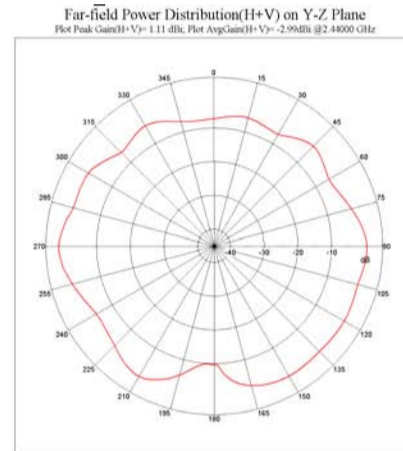
3D radiation pattern diagram



XY-plane



XZ-plane



YZ-plane