

# 915MHz Glue Stick Antenna SMA Male with 1.13 Pigtail Cable

## Antenna Main Technical Specification

Frequency Range	910-920MHz
Bandwidth	10MHz
VSWR	<1.5
Gain	3dBi
Max Input Power	50W
Input Impedance	50ohm
Polarization Type	Vertical
Antenna Size	80+/-5mm
Connector Type	SMA Male
Length	8cm

## 1.13 Pigtail Cable Specification

Frequency Range	0-3000MHz
Impedance	50ohm
VSWR	<2
Insertion Loss	<2dB
Cable	1.13 Coaxial
Connector	SMA + IPEX
Storage Temp	-30°C to +75°C
Operating Temp	-20°C to +65°C
Length	60cm

## Product image



## 1.13 Pigtail Cable Testing Report

Frequency	1GHz	2GHz	3GHz
S11 SWR Test	1.04dB	1.07dB	1.09dB
S22 SWR Test	1.06dB	1.11dB	1.15dB
S21 Log Mag Test	-0.16dB	-0.31dB	-0.42dB

## Antenna Testing

### 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	

### 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 <sup>2</sup> /h 压缩空气压力：1Kgf/ cm <sup>2</sup> 试验相对湿度：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.	

## 机械性能 MECHANICAL CHARACTERISTICS

1	<p>摇摆测试 BENDING TEST</p>	<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>	<p>No sign of damage</p>
2	<p>强度测试 STRENG TEST</p>	<p>15 pounds of static load applied to the bottom of the actinomycetes 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>	<p>No sign of damage</p>
3	<p>拉力测试 PULLING FORCE</p>	<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>	<p>No sign of damage</p>
4	<p>振动测试 VIBRATION TEST</p>	<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>	<p>No sign of damage</p>

