



# 产品规格承认书

Product specifications  
acknowledgment

承认厂商： \_\_\_\_\_

(Recognized manufacturers)

制造厂商： \_\_\_\_\_ 深圳市蝙蝠无线技术有限公司

(Manufacturer)

产品名称： \_\_\_\_\_ SMA 天线连接座

(Description)

## 产品选型表：

(Product Type)

型号	说明	备注
BWSMA-KE-Z001	外螺内孔	

## 供应商承认签栏

制表者	审核者	核准者

## 客户承认栏

审核者	核准者

## 1.1 Specifications

型号 Antennas Type	BWSMA-KE-Z001
阻抗 Impedence ( $\Omega$ )	50 $\Omega$
电压驻波比 V.S.W.R	直式软性电缆<1.15+0.02f (GHz)
频率范围 Frequenc Range(MHz)	0-12. 4G(软电缆)
工作电压 DC Voltage (V)	335V max
介质耐压 Withstand Voltage(V)	1000Vrms
接触电阻 Contact resistance()	内导体<3mOhm 外导体<2mOhm
绝缘电阻 Insulation resistance	>5000 兆欧
插入损耗 Insert Loss	0. 15dB(6GHz)
射频泄漏 RF leakage	-60dB/-90dB(软电缆/半刚电缆)@2-3GHz
耐用性 Durability(mating)	500 次
PLUG 内径/JACK 外径	6. 5mm/5. 4mm
壳体 shell	黄铜镀硬金或不锈钢表面钝化
插针 contact pin	黄铜镀硬金
插孔 socket	镀青铜镀硬金
绝缘体 insulator	聚四氟乙烯
密封件 sealing	硅橡胶
压接套 crimp ferrule	铜合金镀镍
重量 Weight(g)	None
工作温度 OperatingTemperature( $^{\circ}$ C)	-65~+165 (PE CABLE-40~+85)
标准 APPLICABLE STANDARD	MIL-C-39012、IEC169-15、CECC22110

## 1.2 Antenna Picture



上图型号: BWSMA-KE-Z001

(可定制)

\*注: 因天线功能较为敏感, 主体周边机构有变更请通知我们评估。

## 2. Electrical Specification

### 2.1 Test Equipment

- A. VSWR and input impedance: Agilent 8753/E5071 Network Analyzer
- B. Antenna gain and efficiency: ETS three-dimensional anechoic chamber

### 2.2 Test Setup

#### 2.2.1 Frequency Range

#### 2.2.2 VSWR

Step 1: The antenna is arranged on the customer provided test fixture.

Step 2: The VSWR of the antenna is measured via Agilent 8720/8753 Network Analyzer (see figure. 1).



Figure.1

#### 2.2.3 Radiation pattern and Gain

- A. The 3D chamber provides less than -40dB reflectivity from 800MHz to 6GHz and a 40cm diameter spherical quiet zone. The measurement results are calibrated using both dipoles and standard gain horns (see figure. 2).
- B. The antenna under tested is arranged in the turned table and a decoupling sleeve is used to reduce feed line radiation (see figure. 3).
- C. The measured results of the radiation patterns and antenna gain are obtained from the control system and showed on the monitor (see figure. 4 and 5).



Figure.2



Figure.3

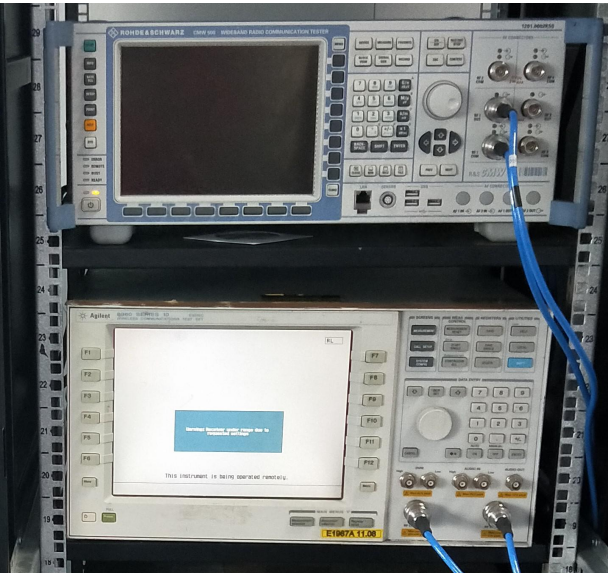


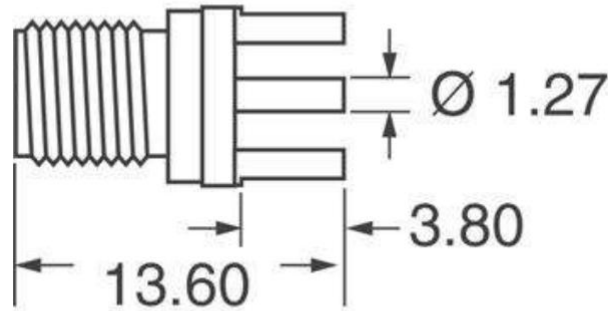
Figure.4



Figure.5

## 4. Mechanical Specification

### 4.1 Assembly Drawing



## 5. 免责声明 (Disclaimer) :

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