

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: _____ 天线转接线 (IPEX 转 SMA)
(Description)

产品选型表:

(Product Type)

| 型号 | 说明 | 备注 |
|---------------------|-------------------------------------|---------|
| BWIPX1-SMA-1.13L150 | SMA 默认为外螺内孔 | 各参数均可订制 |
| BWIPX1-SMA-1.13L100 | IPX1 为一代扣子 1.13 为线径 L 为 线长 100mm | 各参数均可订制 |
| BWIPX2-SMA-0.81L200 | IPX2 为二代扣子 0.81 为线径 L 为 线长 200mm | 各参数均可订制 |

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 | BWIPX1-SMA-1.13L150 |
| 阻抗 Impedence (Ω) | 50 Ω |
| 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. 4dB (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 Operating Temperature($^{\circ}$ 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：BWIPX1-SMA-1.13L150

(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

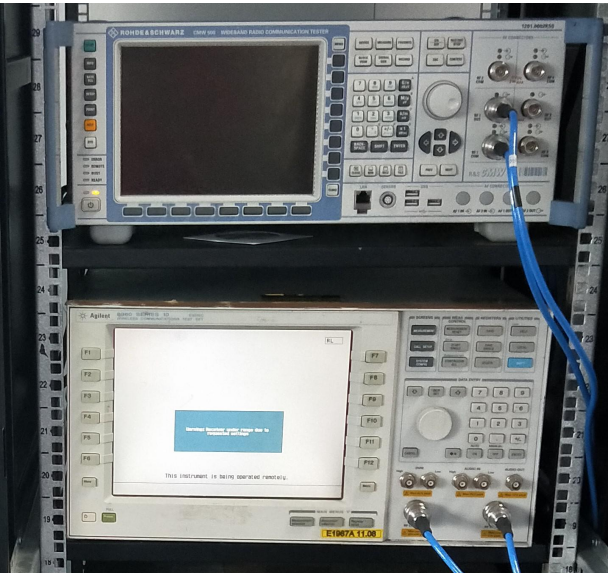


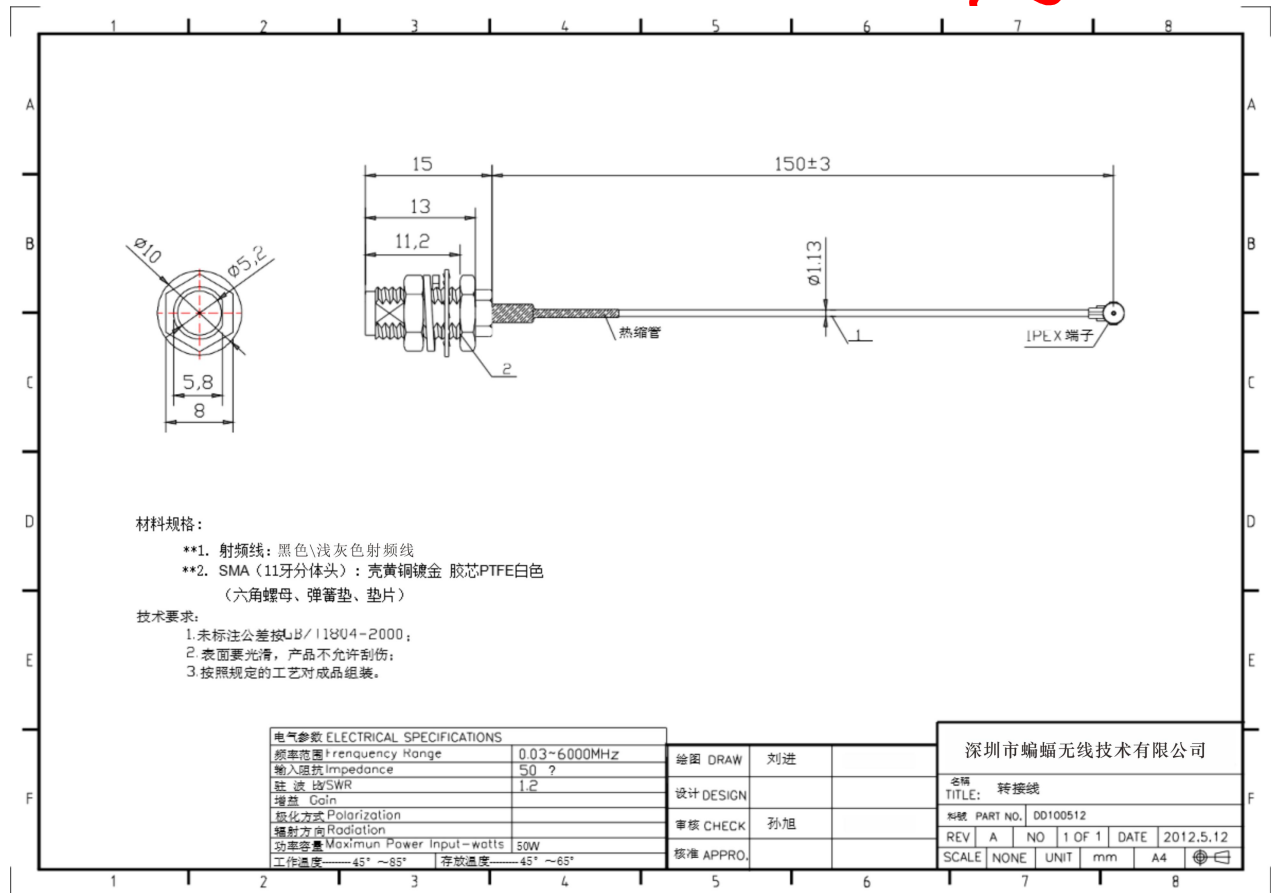
Figure.4



Figure.5

4.Mechanical Specification

4.1 Assembly Drawing



5.免责声明 (Disclaimer):

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