

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：_____ 4G 天线 GSM 天线 GPRS 天线

(Description)

产品选型表：

(Product Type)

型号	说明	备注
BW4GFNX50-15A	焊接端子	线长可定制
BW4GFNX50-15B1	I-PEX-1	1 代端子及线长可定制
BW4GFNX50-15X	焊接端子	线长 90mm 剥线 221 定制款

供应商承认签章栏

制表者	审核者	核准者

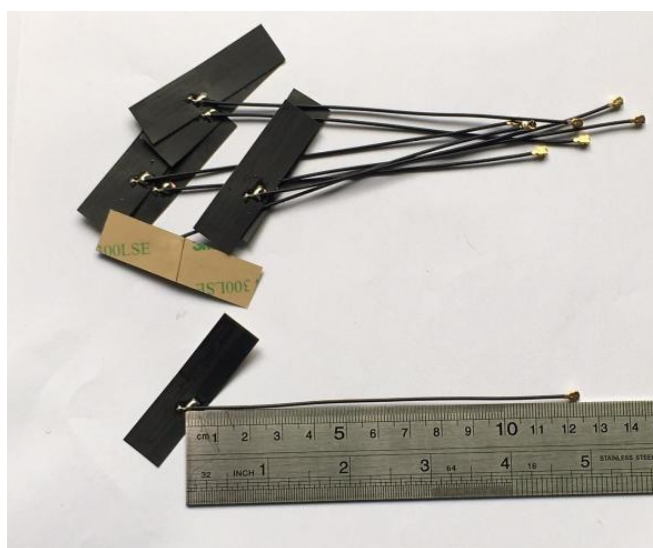
客户承认章栏

审核者	核准者

1.1 Specifications

Antennas Type	Antenna for WiFi application
Connector Type	I-Pex or competitor
Cable Type	1.13
Impedance	50 Ω
Polarization	Linea
Frequency	700-2700MHZ
VSWR	<2.0
Peak gain (dBi)	6dBi
Cable length	12cm

1.2 Antenna Picture



FPC 大小: 50*14*0.2 mm

(定制客户中间连接线长度定制, 天线形状定制)

*天线功能較為敏感, 主體周邊機構有變更請通知我們 評估

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

- A. 802.b/g/n: 700~2700 M Hz

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

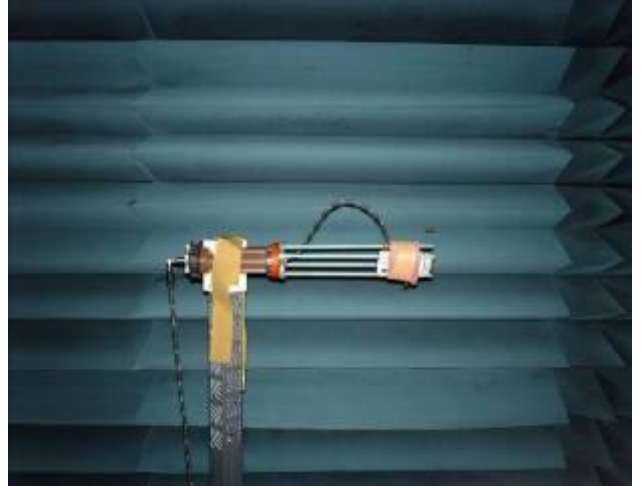


Figure.3



Figure.4



Figure.5

2. Performance Data

2.1 Passive data

VSWR (电压驻波比) / Return Loss (回波损耗) / Smith Chart (史密斯圆图)

