

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: _____ 2.4G FPC 软板天线

(Description)

产品选型表:

(Product Type)

型号	说明	备注
BW2.4FNX18-6B4L60	IPEX4 代接口 线长 60mm 0.81	

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

Shenzhen Bat Wireless Technology Co., Ltd.
1409, Building A, Zhiyun One Industrial Park, No. 13 Huaxing Road, Henglang
Community, Dalang Street, Shenzhen, Guangdong, China

1.1 Specifications

天线型号 Antennas Type	BW2.4FNX18-6B4L60
频率范围 Frequenc Range (MHz)	2400-2500
输入阻抗 Input Impendence (Ω)	50 Ω
电压驻波比 V. S. W. R	<2.5
增益 Gain (dBi)	2-3dBi
极化形式 Polarization Type	垂直 Vertical
功率容量 Power Capacity (w)	50
雷电保护 Lingtning Protection	None
工作电压 DC Voltage (V)	None
天线尺寸 Dimension (mm)	18x6
辐射体 Radiator	None
天线颜色 Color	黑色 Black
重量 Weight(g)	None
工作温度 Operating Temperature ($^{\circ}\text{C}$)	-40~80
储藏温度 Storage Temperature ($^{\circ}\text{C}$)	-20~85

*注：以上数据仅供参考；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。

1.2 Antenna Picture



上图型号：BW2.4FNX18-6B4L60 图片仅供参考

（定制客户中间连接线长度定制，天线形状定制）

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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).

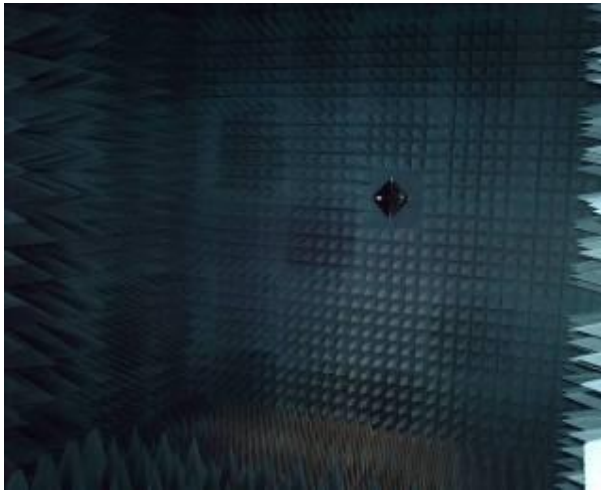


Figure.2



Figure.3

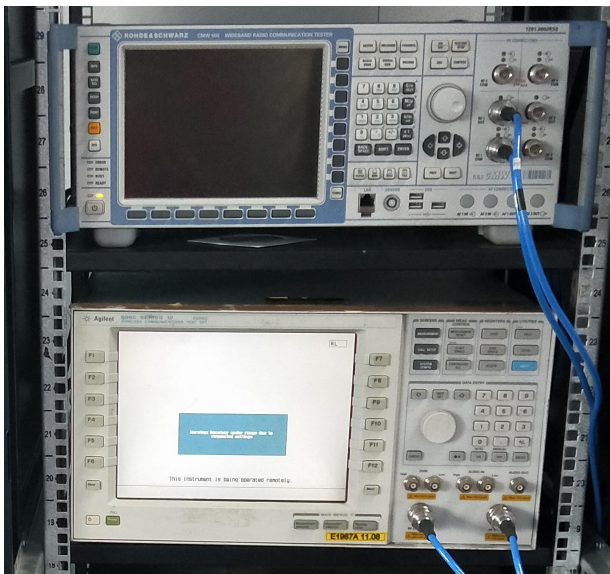


Figure.4

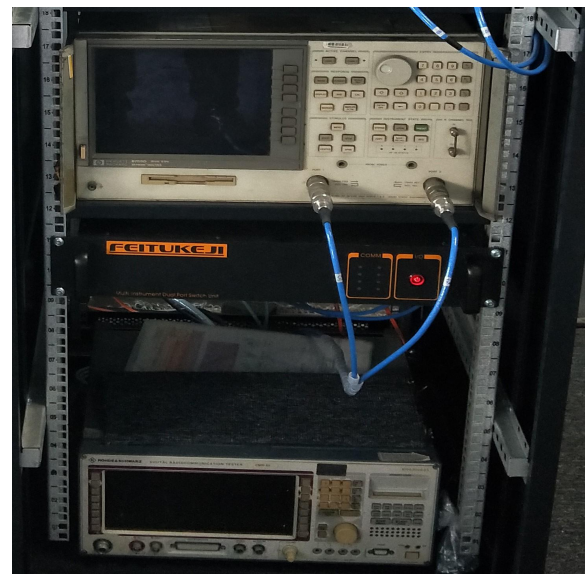
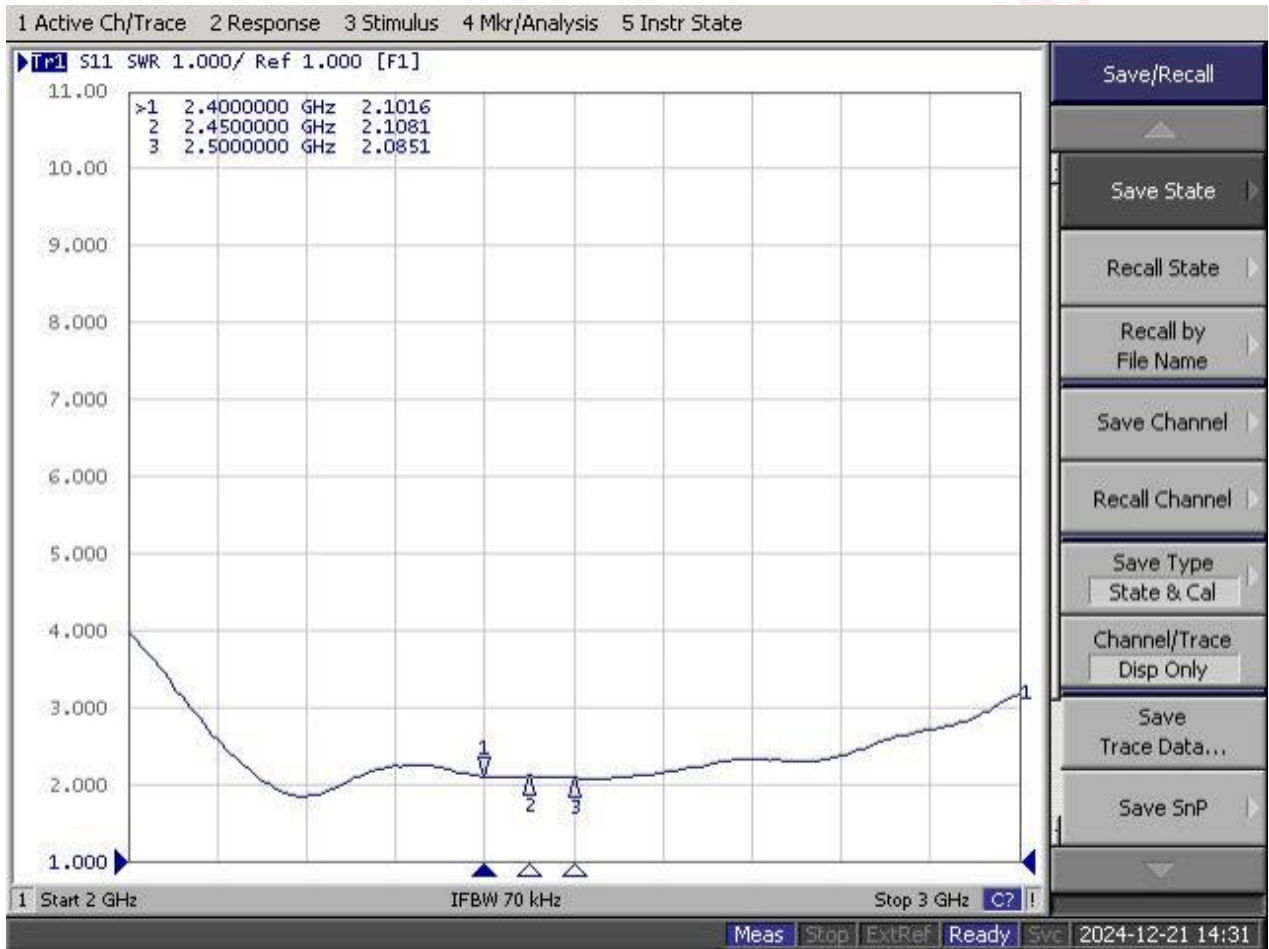


Figure.5

3. Performance Data

3.1 Passive data

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



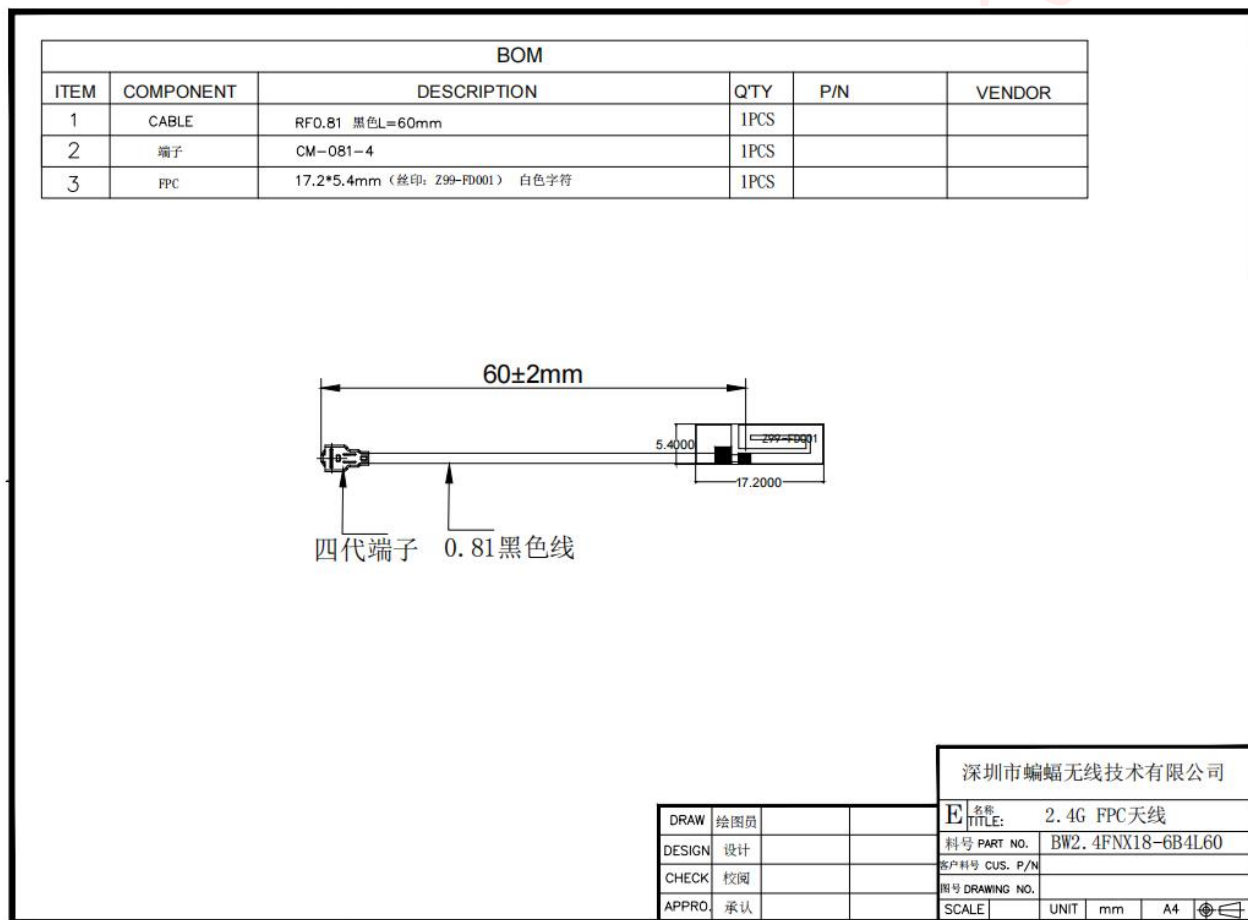
*注：以上为实测数据，仅供参考；因天线功能较为敏感，主体周边机构有变更请通知我们评估。

增益

Frequency (MHz) (工作频段)	Efficiency (%) (效率)	Peak GAIN (dBi) (增益)
2400	62.85	2.61
2450	62.77	2.27
2500	61.41	1.86

4. Mechanical Specification

4.1 Assembly Drawing



5.免责声明:

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