

承 认 书

SPECIFICATION FOR APPROVED

(电子物料类)

Electronic materials

物料描述

DESCRIBE: 2.4GHz 天线 2.4GHz antenna

物料名称

PRODUCTS: 内置 2.4G 天线 Built-in 2.4GHz antenna

物料编码

PART NO: FM-T247-BT28S

规格型号

Spec.: FPC 电路板+同轴线 FPC circuit board + coaxial line

客户

CUSTOMER: 深圳市维尔晶科技有限公司 Shenzhen Weiking Technology Co.,Ltd.

适用机种

APPLICATION: BT28S

日期

DATE: 2016-04-20

供应商

PROVIDER: 深圳市飞敏科技有限公司 ShenZhen City FeiMin Technology CO.,LTD

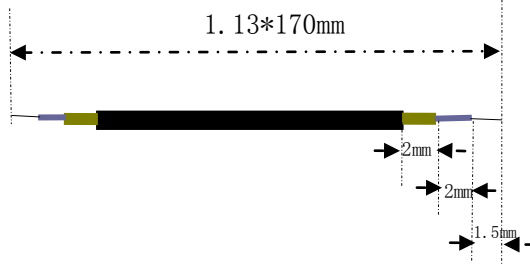
供应商确认

APPROVED BY VENDOR

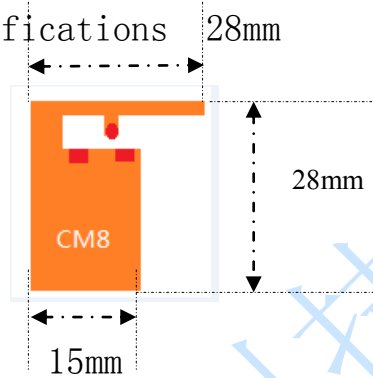
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一、外观尺寸 Dimension(mm)

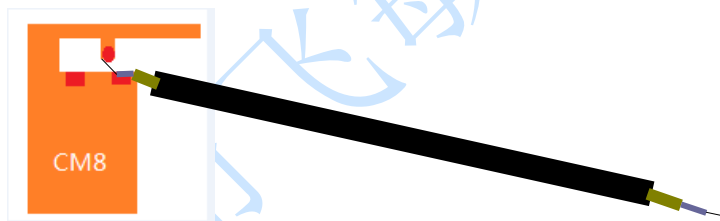
1. 屏蔽线规格: Shielding cable Specifications :



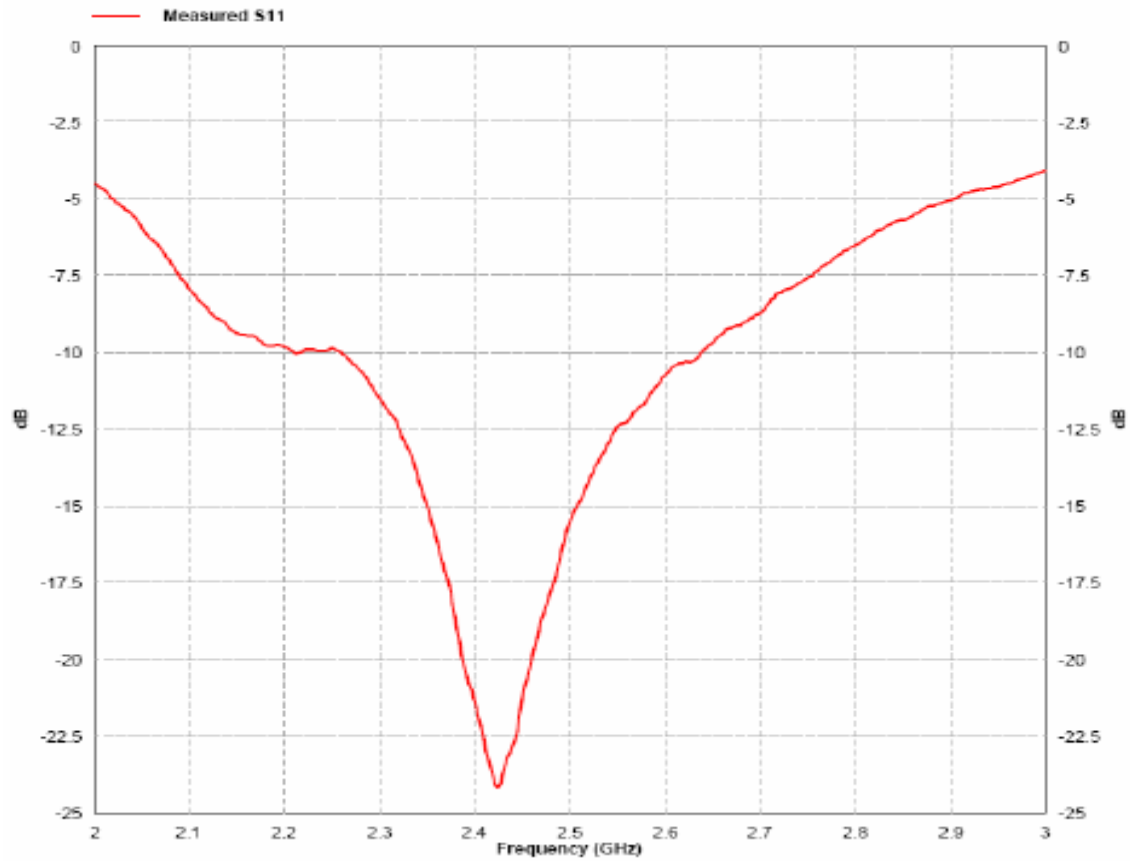
2. FPC 规格 FPC Specifications



3. 天线规格: Antenna Specifications

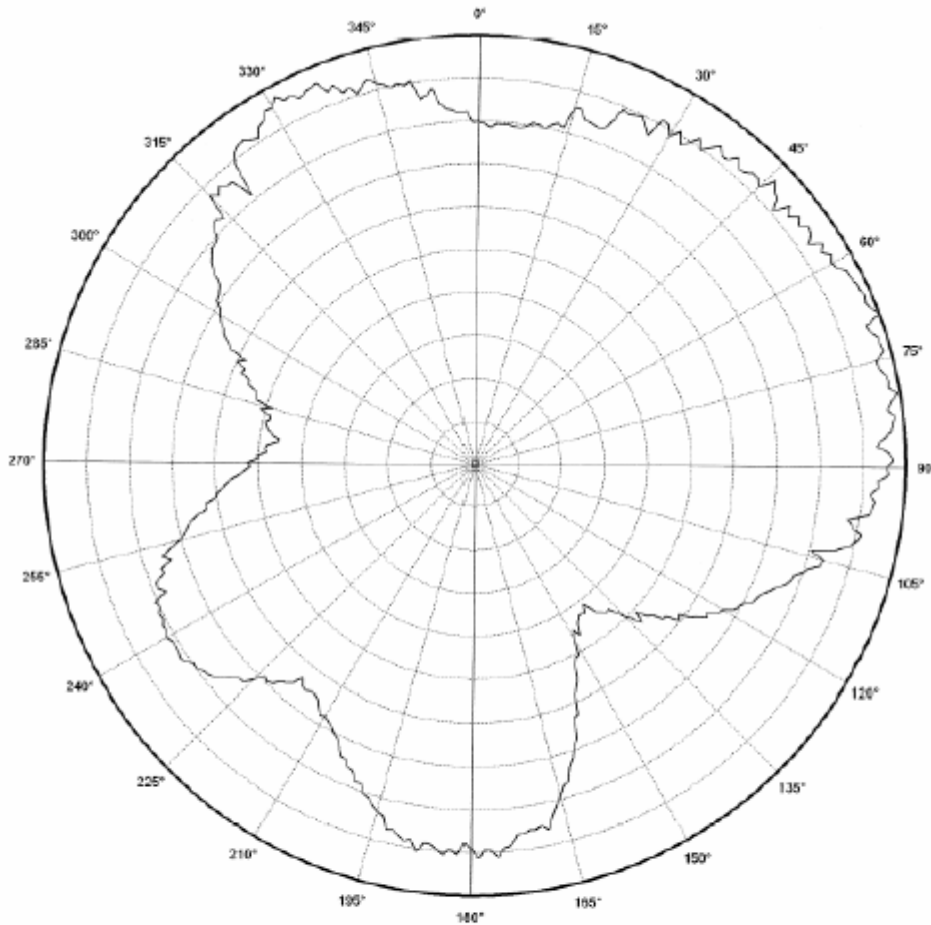


二. 天线 S11 仿真结果 Simulation results of antenna S11



三. 天线仿真方向图 Antenna simulation direction diagram

3.1 XZ 方向: Direction of XZ



Vertical Polarization
cc2430db xz

CF 2450.000 MHz
2 dB/div
Ref Lev: +33 dBm

Figure 5. XZ Plane Vertical Polarization



3.2 XY 方向 Direction of XY

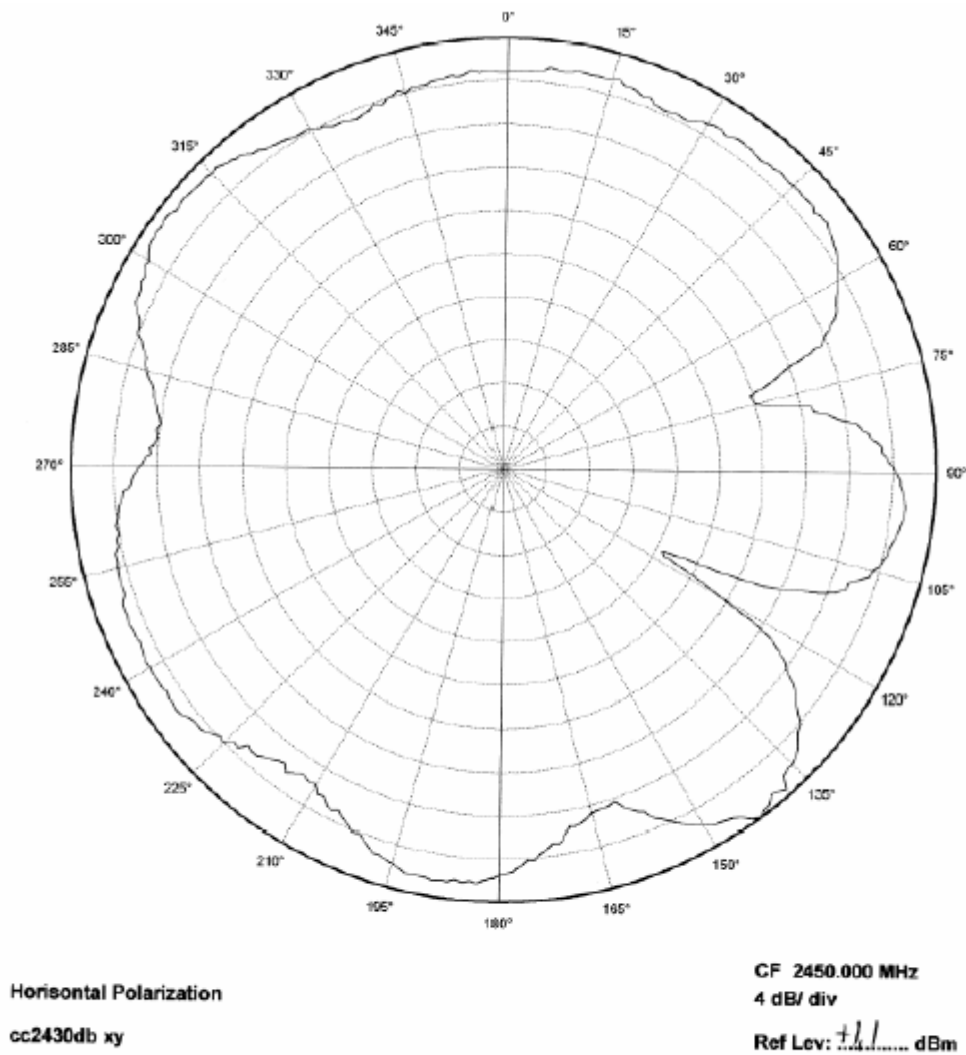


Figure 4. XY Plane Horizontal Polarization

3.3 YZ 方向 Direction of YZ

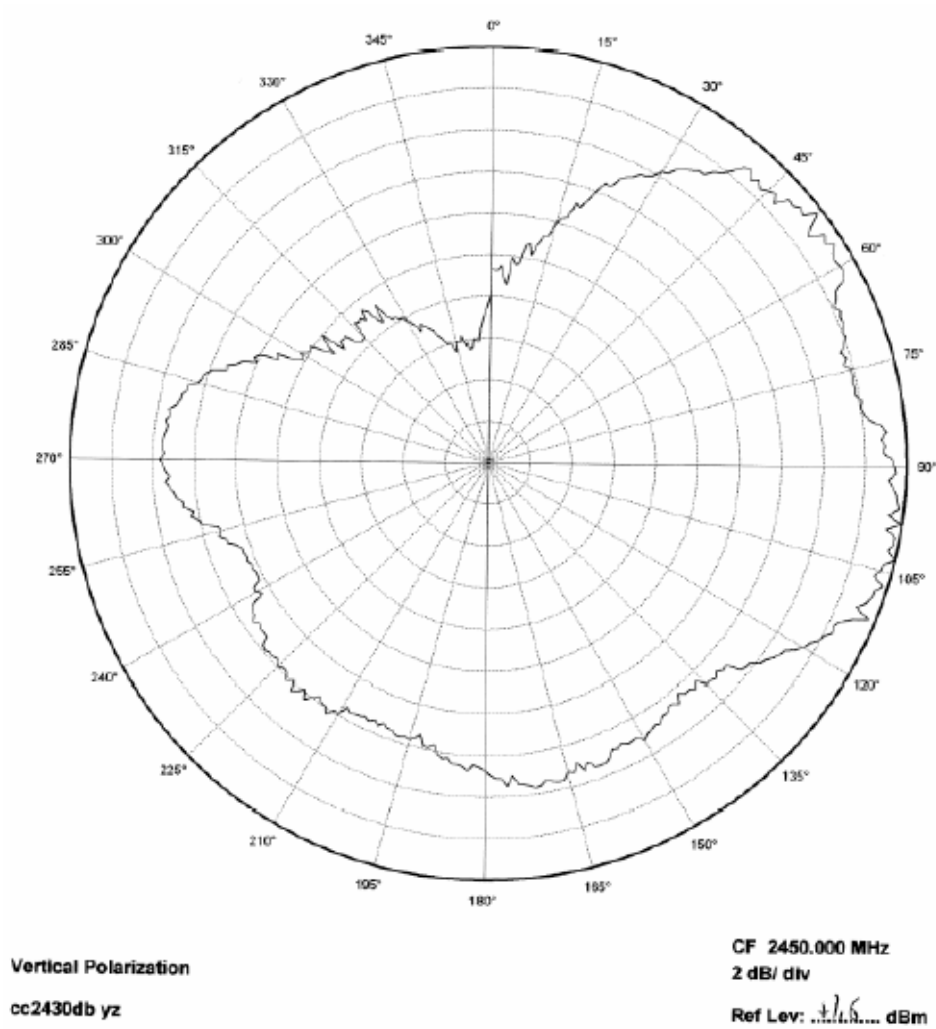


Figure 7. YZ Plane Vertical Polarization

源

四. 天线技术指标 Antenna technical specifications

第一章Electrical specifications	
Frequency range (MHz) 频率范围	2400-2500
Polarization 极化方式	Vertical
Gain (dBi) 增益	≤3
Impedance (Ω) 阻抗	50
Maximum Input Power (W) 功率	
VSWR 驻波比	≤2 (Center frequency)
Mechanical specifications	
Connector 接头	NO
Connector position 线长	1.13*170mm
Operation Temperature (°C) 工作温度	-30~60
Humidity (%)	5~95
Antenna type 天线类型	Coaxial line +FPC type

五、 备注 Remarks:

- 1、安装时注意连接线不能离金属部分太近，以避免部分信号被短路，使接受效果变差。
- 2、天线的位置不可以随意改动。

1. Pay attention to the connection line should not be too close to the metal part, in order to avoid part of the signal is short circuit, so that the acceptance effect is worse.

2. The position of the antenna cannot be changed at will.