

PCB 板载天线测试报告

PCB Antenna Test Report

一、天线简介/ Introduction of antenna

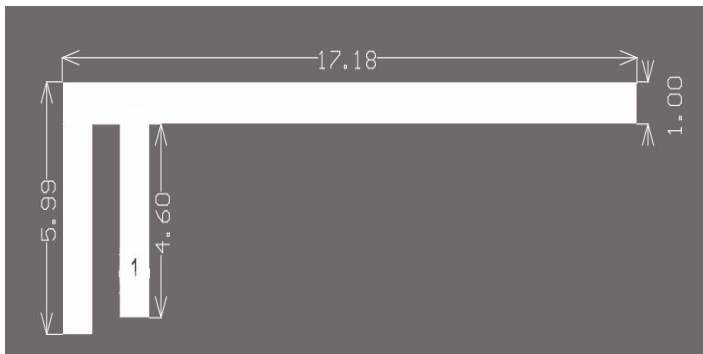
我司使用的蓝牙/ANT+天线直接采用做在主板 PCB 板上的方式， 天线为铜箔加喷锡工艺，铜箔厚度：1OZ，板材为 FR-4，厚度1.0mm ， 蓝牙/ANT+天线工作频率在2400-2500MHz 。

The Bluetooth/ANT+ antenna used by our company is directly made on the PCB board of the main board. The antenna is coppers and tin-spray process. The thickness of copper foil is 1OZ, the plate is FR-4, and the thickness is 1.0mm. The operating frequency of Bluetooth /ANT+ antenna is 2400-2500MHz.

二、天线外形/ Antenna shape

1. 尺寸图/ Size :

单位： mm



三、天线增益/ Antenna gain

Frequency/MHz	MaxGain/dBi	Efficiency / %
2400	-3.04	16.44
2410	-3.23	16.33
2420	-3.89	15.14
2430	-3.59	15.56
2440	-3.92	15.63
2450	-4.18	14.52
2460	-4.26	13.96
2470	-3.42	15.38
2480	-3.79	14.29
2490	-3.62	14.76
2500	-3.62	16.11

四、 S11测试结果



五、方向图/ Directional map

