



深圳市天逸源电子科技有限公司
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Shenzhen

承 认 书

SPECIFICATIONFORAPPROVAL

Name: WIFI/BT2.4GHz天线

ItemNo: TYT-TX2808-1

Custoername:深圳市华盛拓必科技有限公司

Companystamp:_____

drawing			Customerapprove
MADE	CHECKED	APPROVED	PRODUCER
QIU	蒋志远	唐晓宏	袁汉林
DATE: 2019.08.13			DATE

1、规格specification

报告主要提供深圳市华盛拓必科技有限公司机型各项电性能参数的测试。TYY-TX2808-1 天线为WIFI 内

置天线，WIFI/BT天线是由FPC+RF线组成。（如下图1所示）

the report mainly provides the test of various electrical performance parameters of models of Shenzhen Huasheng Topi Technology Co., LTD. The TYY-TX2808-1 antenna is in WIFI

The WIFI/BT antenna is composed of FPC+RF lines. (As shown in Figure 1 below)

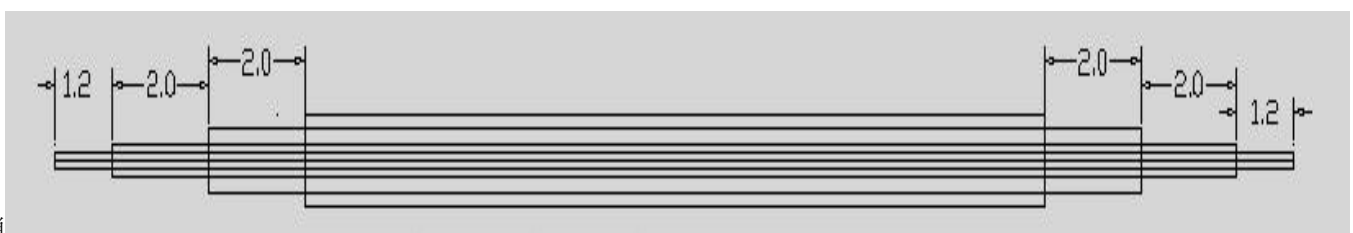
图1 TYY-TX2808-1天线 WIFI天线(WIFI antenna)



图2 TYY-TX2808-1天线



图3 TYY-TX2808-1线长



此图 WIFI 天线总长是 150/+2mm, 另一头带 1 代端子

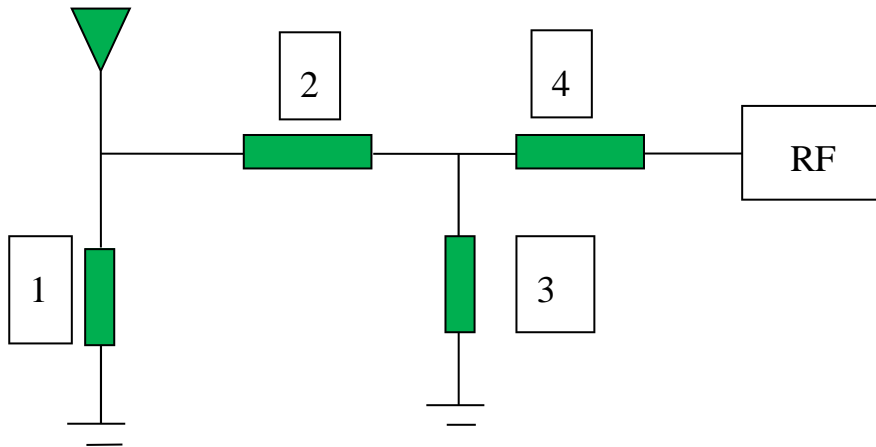
In this figure, the total length of the WIFI antenna is 150/+2mm, and the other end is equipped with a generation 1 terminal

图 4 装配图 (WIFI/BT 天线)

2. 电器性能 (Electrical performance)

WIFI天线的匹配电路,此项目匹配电路由客户提供 (

Matching circuit of WIFI antenna. The matching circuit of this project is provided by the customer)。



元件编号 Component number	1	2	3	4
WIFI最佳 WIFI best	NC	0 欧姆	NC	
原始 (备用) Original (standby)	50欧姆匹配 50 ohms match			



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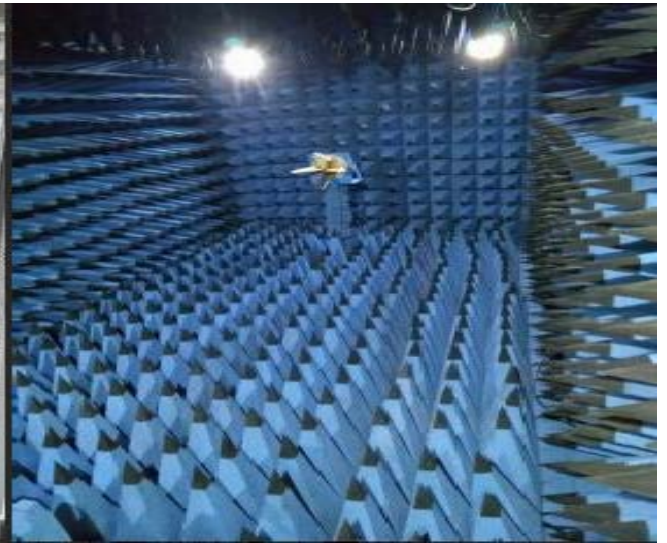
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图 5OTA微波暗室测试仪器

TA microwave darkroom test instrument



销售: 熊小姐: 13530628515
技术支持: 电话微信号: 唐先生 13538032086

销售: 熊先生: 13530421466
QQ: 2813565803

网址: WWW.sztianyee.com
深圳市天逸源电子科技有限公司

图6 AgilentE5071B络分析仪AgilentE5071B network analyzer



驻波比(VSWR)的测试 Measurement of standing wave ratio (VSWR)

测试的设置 Test setup

VSWR 测试装置依次连接为: Agilent E5071B 网络分析仪 @50欧姆的同轴 Cable @120mm 长的铜管 @测试治具 The VSWR test unit is connected in turn to the Agilent E5071B Network analyzer @ 50 ohm coaxial Cable @ 120mm long copper tube @ test fixture

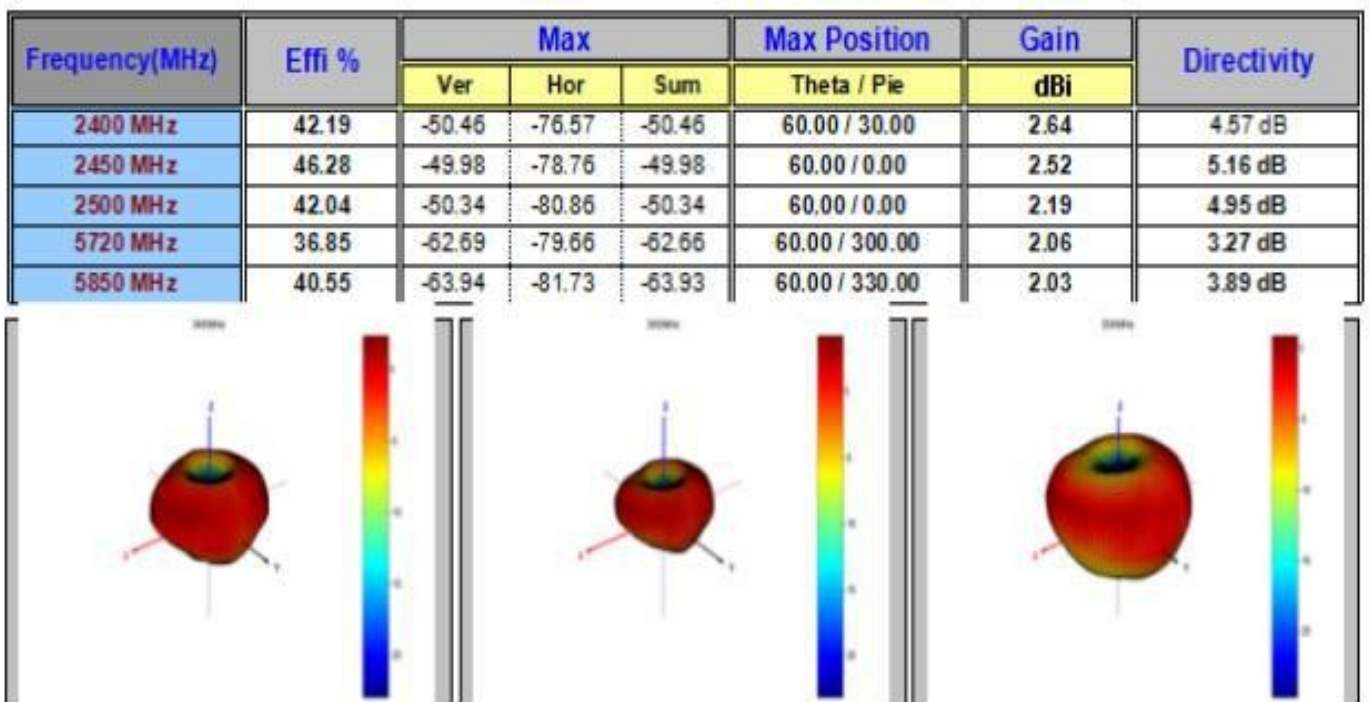
测试治具的处理: 从平板PCB上天线 50欧姆测试点处用一根硬质电缆引出 SMA-J接头, 与套有扼流圈的铜管连接, 再依次连接其他装置。

Treatment of test fixtures: A hard cable is used to lead out the SMA-J connector from the 50 ohm test point of the antenna on the flat PCB, which is connected to the copper tube with the choke, and then connected to the other devices in turn.

3 GSM驻波比 GSM standing wave ratio

频率(MHz)	2412	2441			
VSWR	1.4	1.1			

图7 三维效果图 3D effect drawings





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4、建议与结论 Suggestion and conclusion

此报告是根据客户深圳市华盛拓必科技有限公司提机型项目，最终版测得的天线电器性能。从如上测试数据可以看到，此天线提供了较好的电器性能。

This report is based on the customer Shenzhen Huasheng Topi Technology Co., LTD., the final version of the measured antenna electrical performance. As can be seen from the above test data, this antenna provides better electrical performance.

天逸源研发期盼您的确认，谢谢合作！

Tianyi R & D is looking forward to your confirmation, thank you for your cooperation!