

潼芯科技(惠州)有限公司

测试报告

TEST REPORT

客户名称 Customer Name 潼芯科技(惠州)有限公司

产品型号 Product Model

客户料号 Customer P/N

弦音料号 SouthstarP/N制

作日期 Production date封 2024-07-08

样版本 Sample Version Rev. A

潼芯科技		
编制 (FICTION)	品质 (DQE)	研发 (R&D)
客户 (Customer)		
采 购 (PUR)	品质 (QC)	研发 (R&D)

Manufacturer: Tongxin Technology (Huizhou) Co., LTD

Add: Building B26, Li Lintong Lake Science and Technology Town,

Zhongkai National High-tech Zone, Huicheng District, Huizhou City

电 话: 0752-3199896 传真: 0752-3199896

网 址: <https://szldb88.1688.com>

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承认书变更履历

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1. 概述

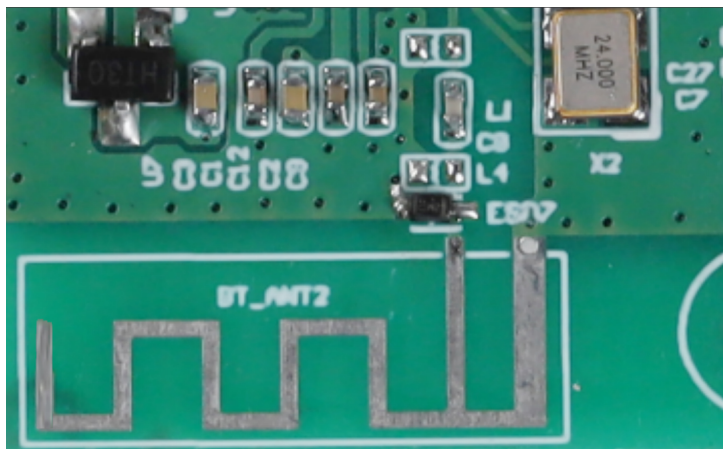
此报告主要描述 潼芯科技子 TX 3 0 2 3 项目的天线性能。TX3023
项目样机，使用频段范围为 2400 MHz~2480 MHz

A. Electrical Characteristics	
Frequency	2400 MHz ~2480 MHz
VSWR	< 3
Efficiency	>10%
Impedance	50 Ohm
Polarization	Linear
B. Material & Mechanical Characteristics	
Material of Radiator	FPC black
Cable Type	/
Connector Type	/
C. Environmental	
Operation Temperature	-10 °C ~ + 50 °C
Storage Temperature	- 30 °C ~ + 85 °C

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2. T X 3 0 2 3 antenna picture



3. Debug setting

3.1 测试仪器

VSWR 是使用安捷伦 E5071B 连接到制具来测试，状态为自由空间。

3.2 测试环境及方式

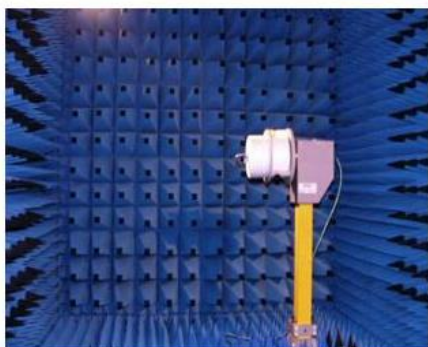
暗室规格：ETS-7 4 3

TD-SCDMA测试设备:StarPoint SP6010/Agilent 8960

LTE-TDD/FDD-SCDMA测试设备:StarPoint SP8011 /CMW500

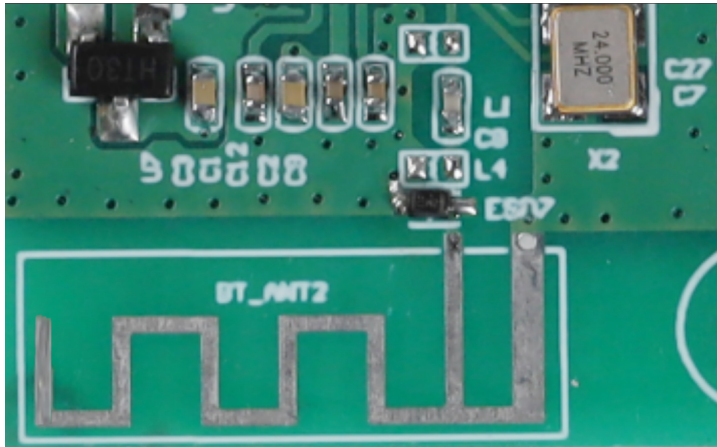
WCDMA/GSM/CDMA测试设备: Agilent 8960

无源效率测试设备: Agilent Technologies E5071B

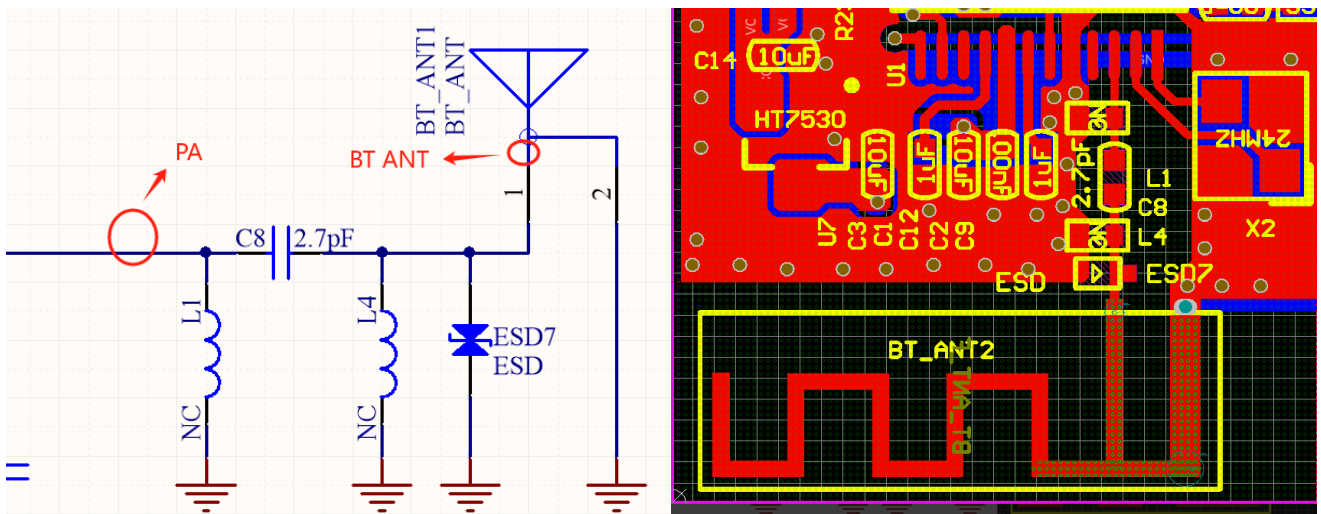


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4. Antenna assembly drawing



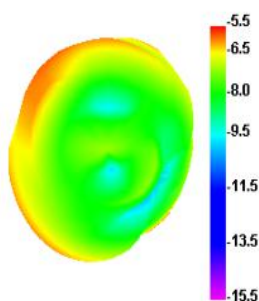
5. Matching circuit



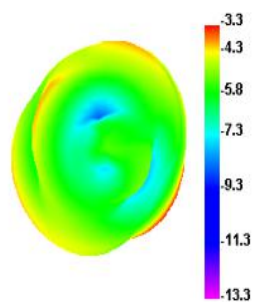
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3. Directional diagram

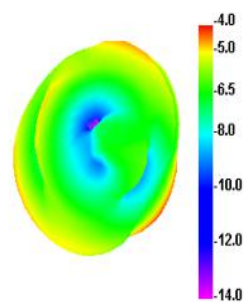
2400.000MHz



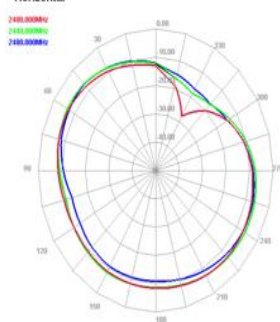
2440.000MHz



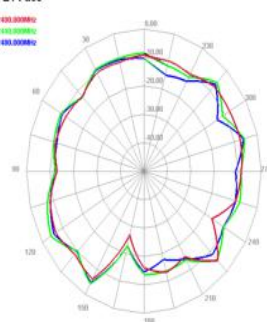
2480.000MHz



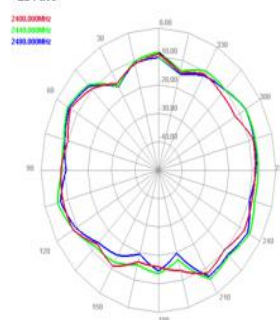
Horizontal



E1 Face



E2 Face



单位: mm

