



# 拓频物联

## LM601-GT antenna commissioning report

Manufacturer: Foshan Dingdingdong E-commerce Co., Ltd

Manufacturer's address: First floor Self-editing No.1 Building D, No. 25 Hegui Avenue, Hegui industrial park, Lishui Town, Nanhai Zone 528200 Foshan, Guangdong, China



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Project overview



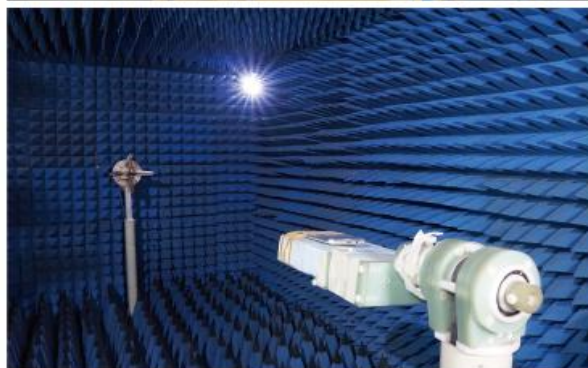
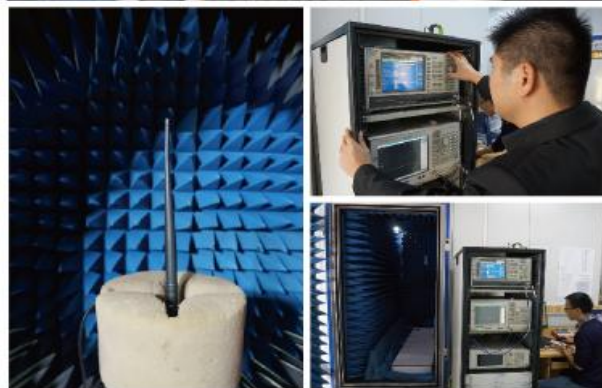
## 基础信息

Basic information

【SATIMO】



【广屏】



## Test system

➤ SATIMO, Agilent E5071C, Anritsu MT8820C, CMW500, StarPointSP9500

### SATIMO暗室-配备

Anritsu综测仪8820c/Agilent网分5071C/Agilent综测仪E4438C

### 广屏暗室-配备

Agilent-综测仪8960/罗德-cmw500

### 调试网分

Agilent 网分5071C



## 基础信息

Basic information



## 整机资料 machine data

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- Ø Customer name: Lemme
- Ø Project name: LM601-GT
- Ø Frequency band information: BT

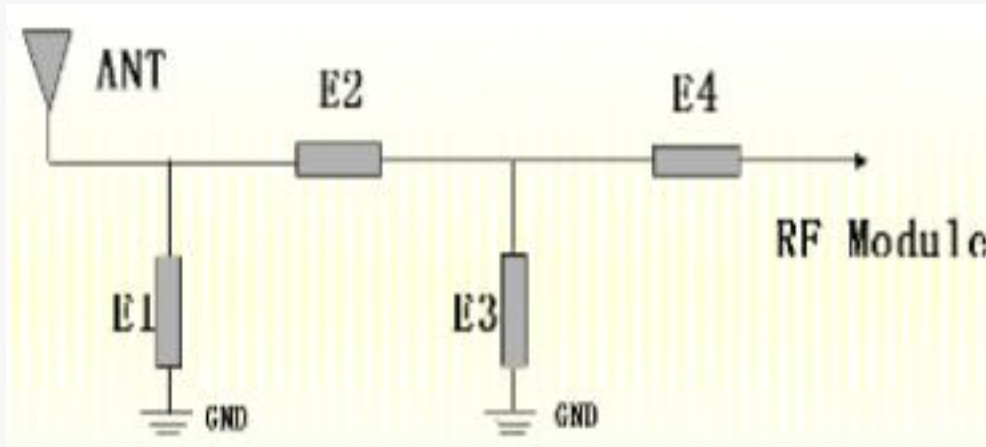


## 基础信息

Basic information

## 天线匹配

Antenna circuit matching description



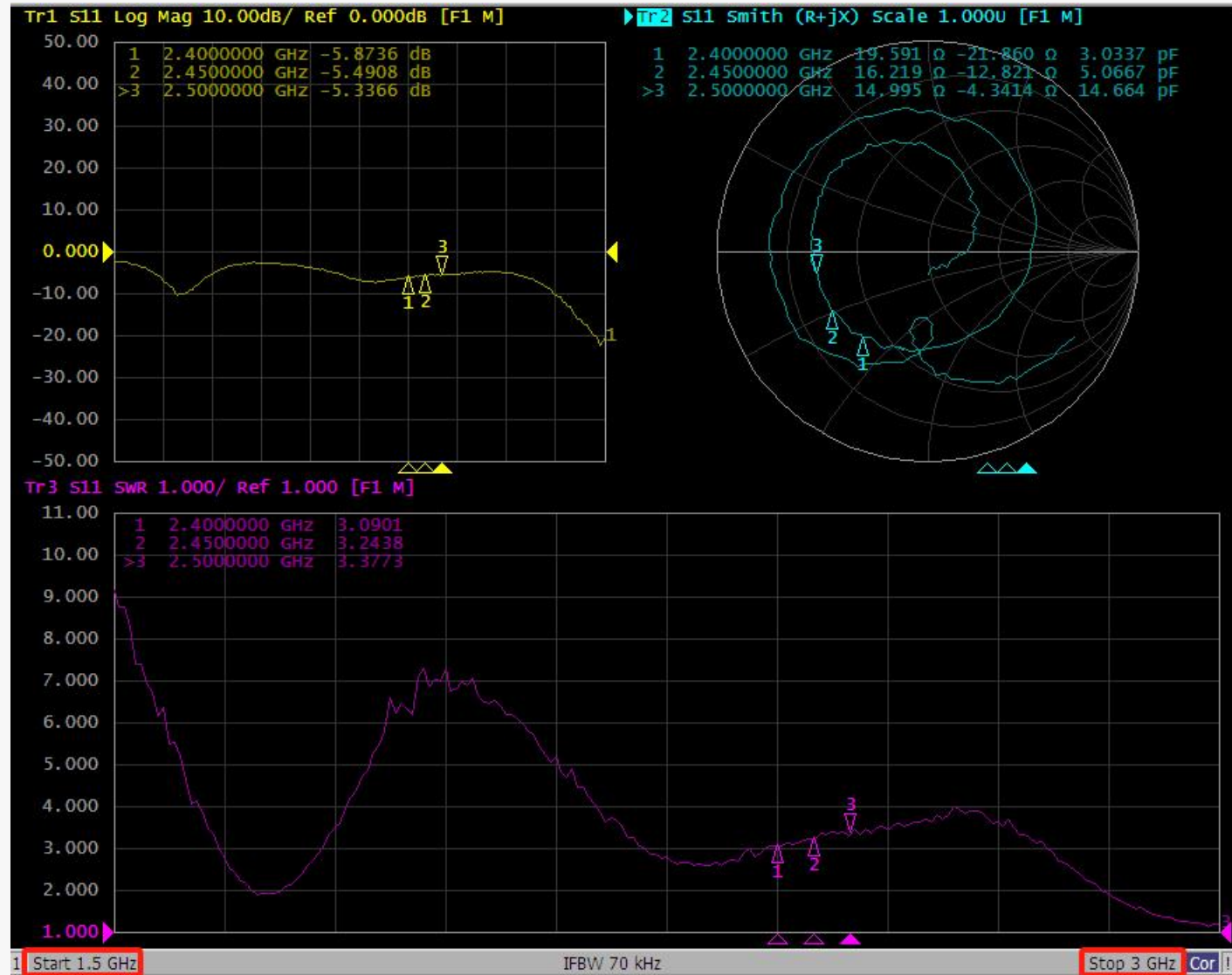
(1) **BT**天线匹配

无更改



# 测试数据: test data

## BT antenna Passive diagram - (SWR/Log Mag /Smith)



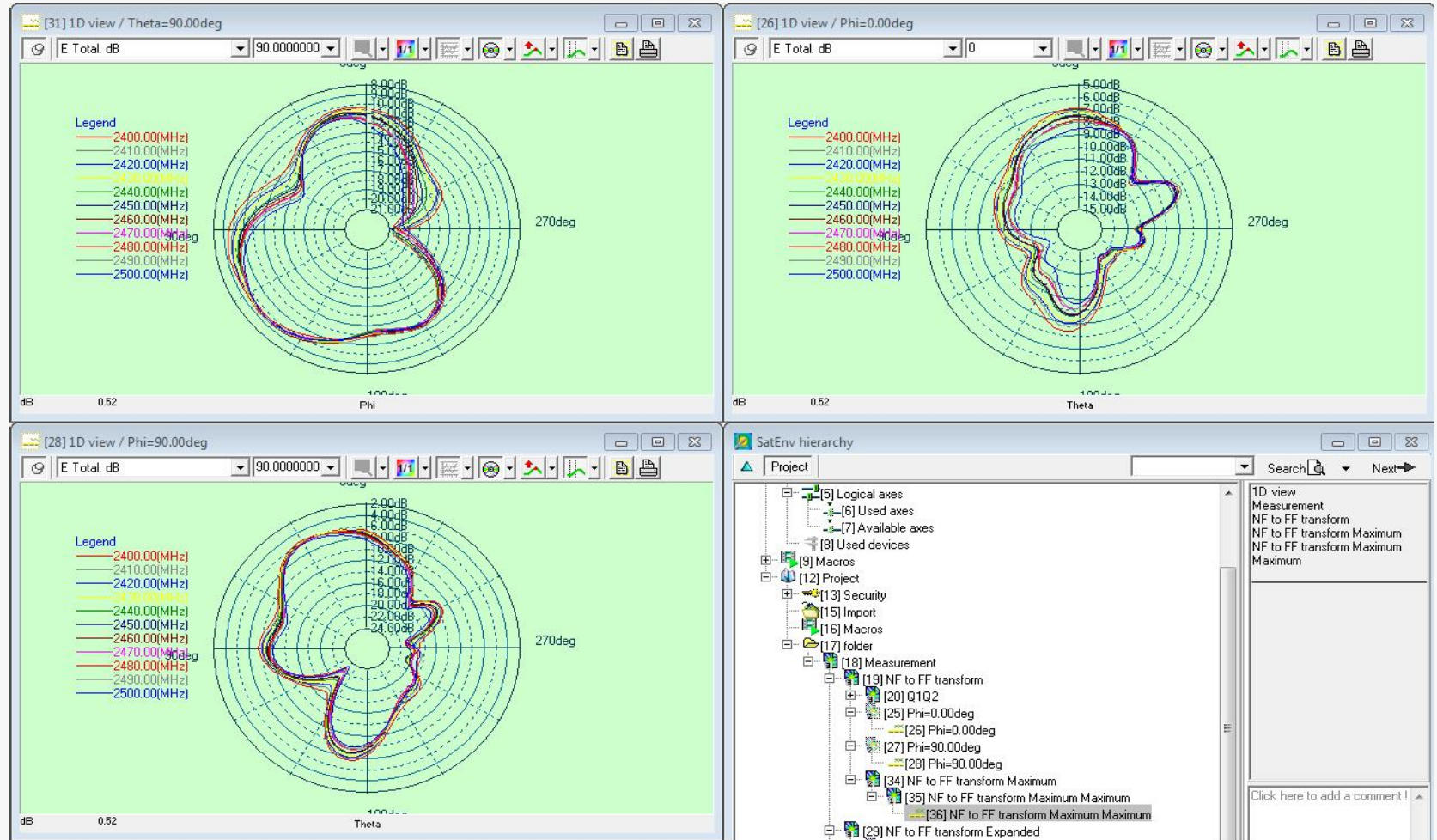




# 测试数据: test data

## BT Antenna passive Data - (Efficiency/Gain/pattern)

| 2400-2500MHz Efficiency |            |           |
|-------------------------|------------|-----------|
| Frequency               | Efficiency | Gain. dBi |
| 2400MHz                 | 8%         | -5.81     |
| 2410MHz                 | 7%         | -6.03     |
| 2420MHz                 | 7%         | -6.03     |
| 2430MHz                 | 7%         | -5.94     |
| 2440MHz                 | 7%         | -6.20     |
| 2450MHz                 | 7%         | -6.17     |
| 2460MHz                 | 7%         | -6.06     |
| 2470MHz                 | 6%         | -6.17     |
| 2480MHz                 | 6%         | -6.12     |
| 2490MHz                 | 6%         | -6.09     |
| 2500MHz                 | 6%         | -6.33     |





Antenna position:

The BT antenna is in the form of electronic wire, and the layout diagram is as follows:







The above report is the retest report of LM601-GT customer supply machine and BT antenna.

1. The antenna matching is unchanged.
2. Do not change the environment treatment.
3. It is recommended that the wiring harness of all accessories be twisted into a twist shape and placed away from the antenna position.

THANK YOU

愿您在纷繁喧扰的世界有一颗平静的心  
——拓频物联

