

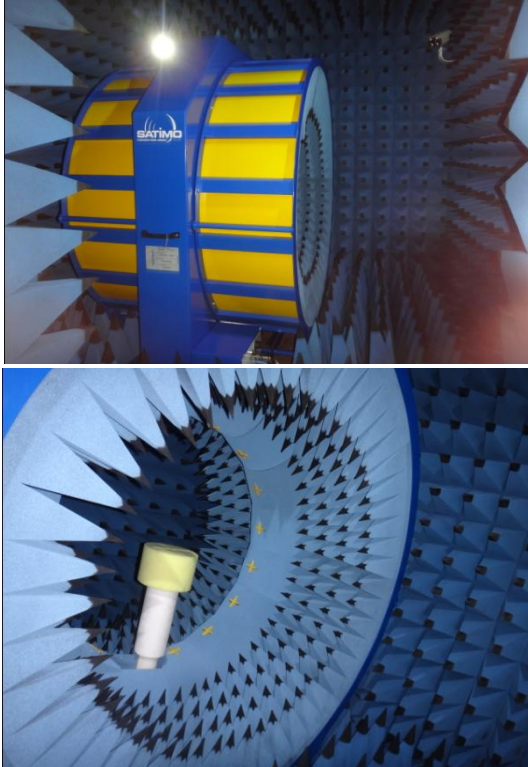
# Antenna Test Report



|               |           |              |          |
|---------------|-----------|--------------|----------|
| Customer name | JI JIA    | Project name | CG6      |
| Band          | WIFI:2.4G | MD Type      | Shrapnel |
| RF Enginner   | LIU       | MD Enginner  | DUQIANG  |
| antenna Type  | PIFA      | Date         | 20220620 |

# 深圳市安弗特电子有限公司

## AFT tech Electronic Co., Ltd. (Shenzhen)



原装进口法国 SATIMO 公司 StarLab 3D 实验室, 能精确快速的测试手机、平板电脑和笔记本等通信终端产品的 TRP、TIS、效率、增益、苹果图、方向图等参数数据。

Imported from France SATIMO company StarLab 3d laboratory, can accurate、rapid test communications terminal products .such as mobile phones, PC of TRP, TIS, efficiency, gain, apple figure, directional diagram

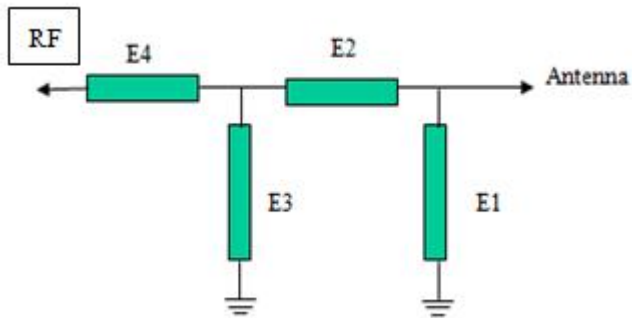
## Report version summary

| Edition | Date       | Content overview    |
|---------|------------|---------------------|
| V1      | 2022-06-20 | Antenna test report |
|         |            |                     |
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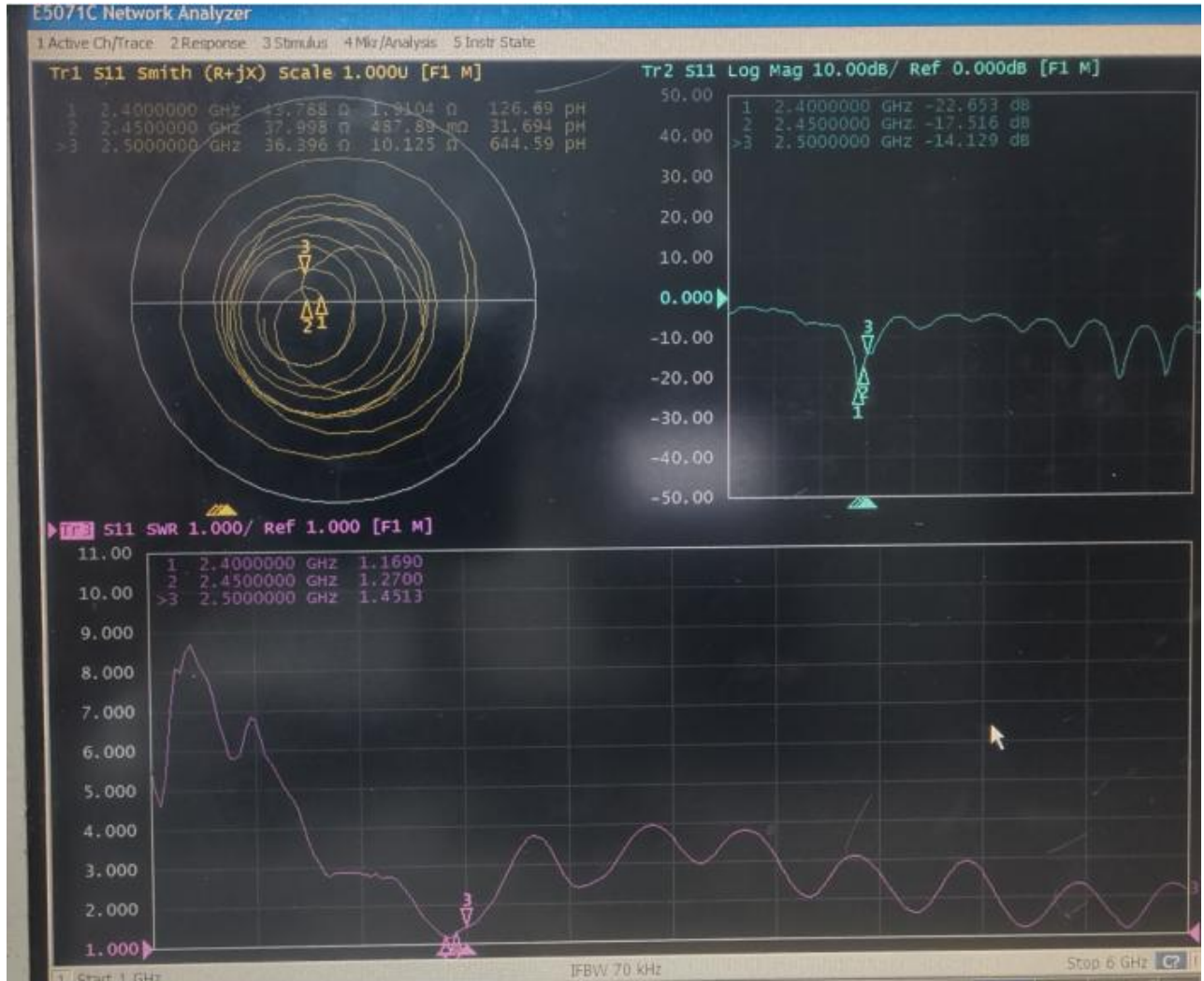
## Main antenna matching circuit

|         |    |     |    |     |
|---------|----|-----|----|-----|
| Element | E1 | E2  | E3 | E4  |
| Value   | NC | 0 欧 | NC | 0 欧 |

Our company has not made changes to the main antenna matching circuit!



## 2.4G passive standing wave

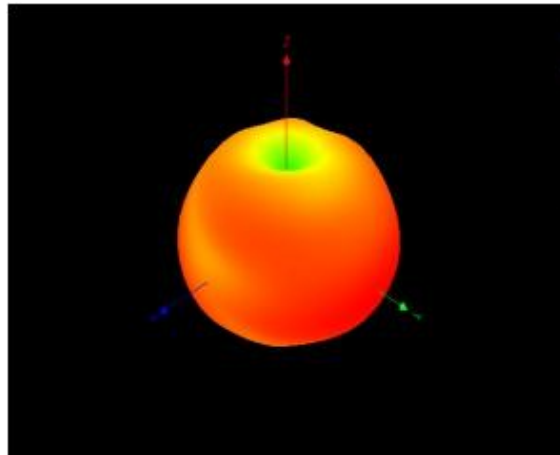


2.4G efficiency gain

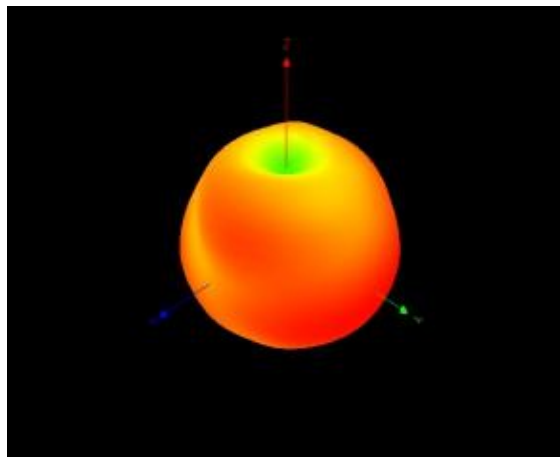
| 频率         | 效率  | 增益           |
|------------|-----|--------------|
| 2400000000 | 56% | -2.537642167 |
| 2405263157 | 55% | -2.576126033 |
| 2410526315 | 55% | -2.631930822 |
| 2415789473 | 55% | -2.627502283 |
| 2421052631 | 55% | -2.577186007 |
| 2426315789 | 56% | -2.491878927 |
| 2431578947 | 56% | -2.485303562 |
| 2436842105 | 56% | -2.517623524 |
| 2442105263 | 55% | -2.594675298 |
| 2447368421 | 54% | -2.649497787 |
| 2452631578 | 54% | -2.666030047 |
| 2457894736 | 55% | -2.624029057 |
| 2463157894 | 55% | -2.558688746 |
| 2468421052 | 55% | -2.569127469 |
| 2473684210 | 55% | -2.61441073  |
| 2478947368 | 54% | -2.704741558 |
| 2484210526 | 53% | -2.751299719 |
| 2489473684 | 53% | -2.75832587  |
| 2494736842 | 53% | -2.717413952 |
| 2500000000 | 54% | -2.714009432 |

## Radiation Pattern

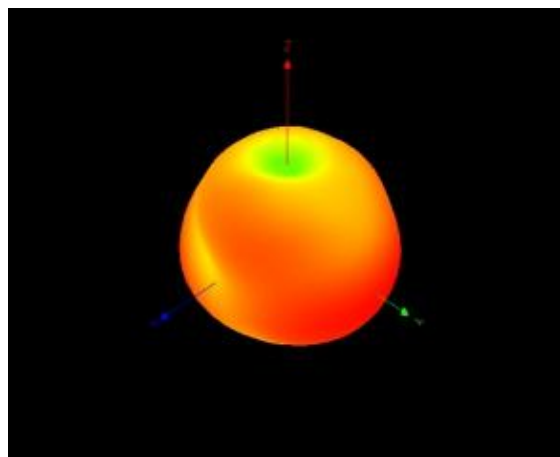
Antenna 3D Radiation Pattern



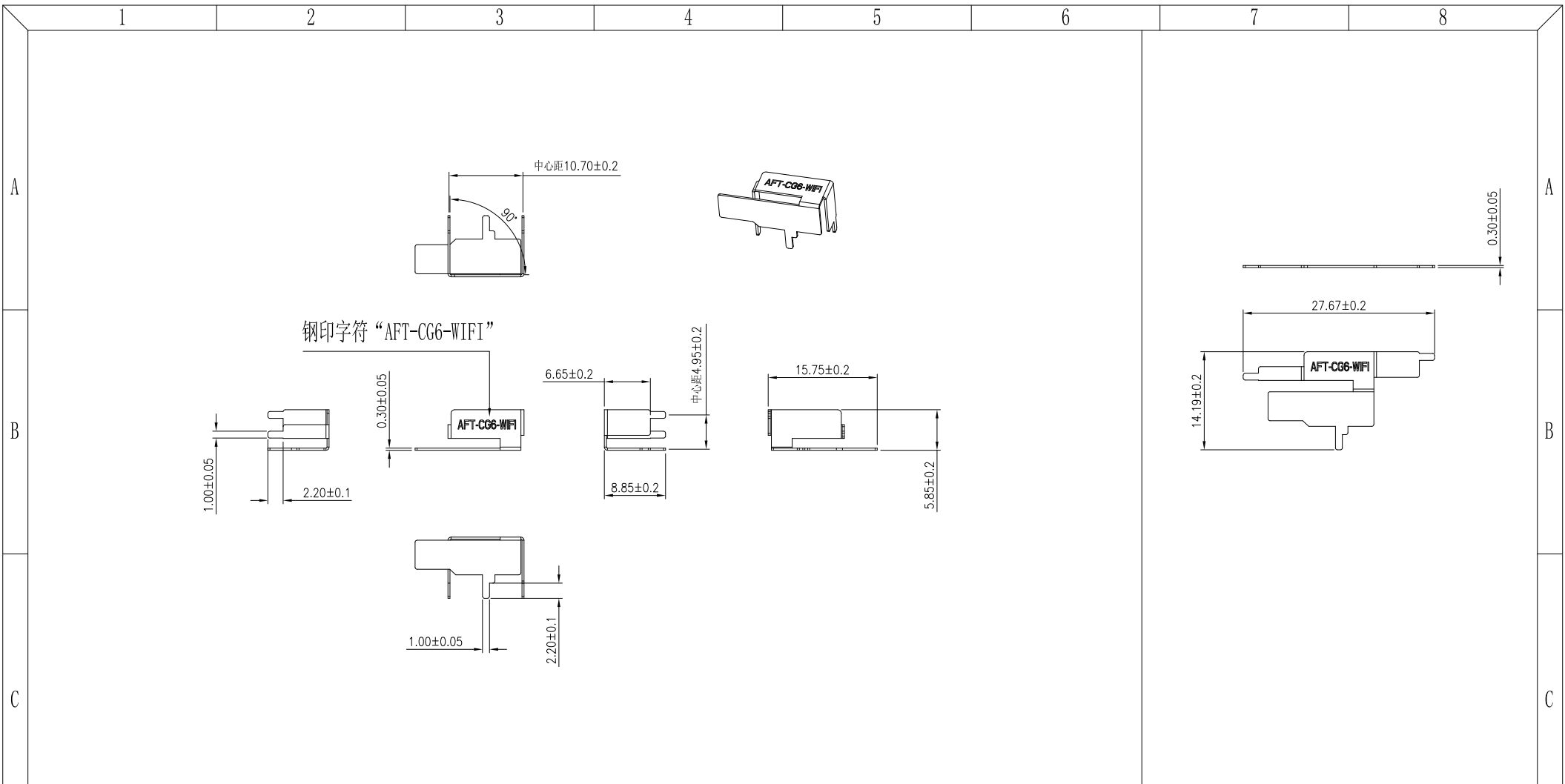
2400MHz



2450MHz



2500MHz



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|        |       |       |                  |
|--------|-------|-------|------------------|
| ⊕ 第三角法 |       | Model | CG6              |
| 0~10   | ±0.10 | Name  | WIFI天线           |
| 10~20  | ±0.12 | NO.   | 0-A70-02A-C-0-1A |
| 20~40  | ±0.15 | Type  | SUS201 T=0.3MM   |
| 40~    | ±0.20 |       |                  |
|        |       |       |                  |
|        |       |       |                  |

请勿实测图纸 位置

序号

D

C

B

A

D

C

B

A

1

2

3

4

5

6

7

8

1

2

3

4

5

6

7

8