



# 测试数据

## Test Data

版本: V1.0

|                                                                                               |                                                                            |                      |                                   |
|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------|-----------------------------------|
| 制造商:深圳市中天迅通信科技股份有限公司<br>manufacturer:Shenzhen Zhongtianxun Communication Technology Co., Ltd. |                                                                            |                      |                                   |
| 射频<br>RF                                                                                      | 王宁wangning 17827623394                                                     | 结构<br>MD             |                                   |
| 审核<br>Checked                                                                                 | 黄烈云huanglieyun 136<br>1302 2071                                            | 业务<br>Business       | 叶 航 yehang 138 7415<br>1221       |
| 公司地址<br>Add.:                                                                                 | 深圳市宝安石岩石龙大道34号<br>NO.34 Shilong Road, Bao'an District, Shenzhen, Guangdong |                      |                                   |
| 项目信息<br>Project Message                                                                       |                                                                            |                      |                                   |
| 项目名称<br>Preject Name                                                                          | A1753                                                                      |                      |                                   |
| 天线类型<br>Antenna Type                                                                          | FPC+Cable                                                                  | 天线尺寸<br>Antenna Size | FPC:41.20mm*9.9mm,<br>Cable:160mm |
| 天线制式<br>Antenna System                                                                        | wifi                                                                       | 日期<br>Date           | 2023.10.12                        |
|                                                                                               |                                                                            |                      |                                   |

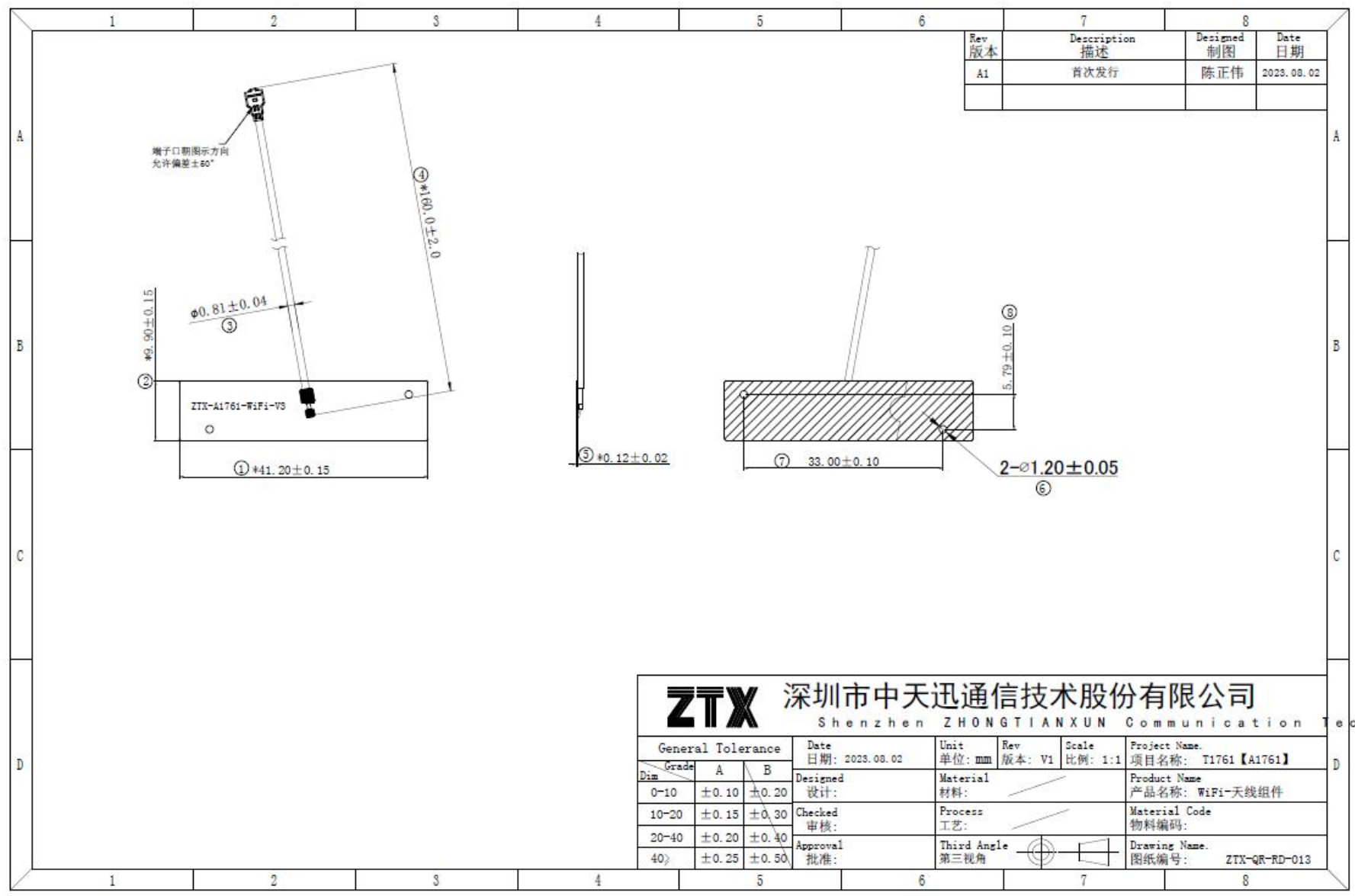
Add:深圳市宝安区石岩街道石龙大道34号

Add: NO.34 Shilong Road, Bao'an District, Shenzhen, Guangdong

TEL:0755-27588360 /27572127 FAX:0755-27588320

Website:www.chinaztx.com

## 2. 4G-WIFI天线尺寸 Antenna Size

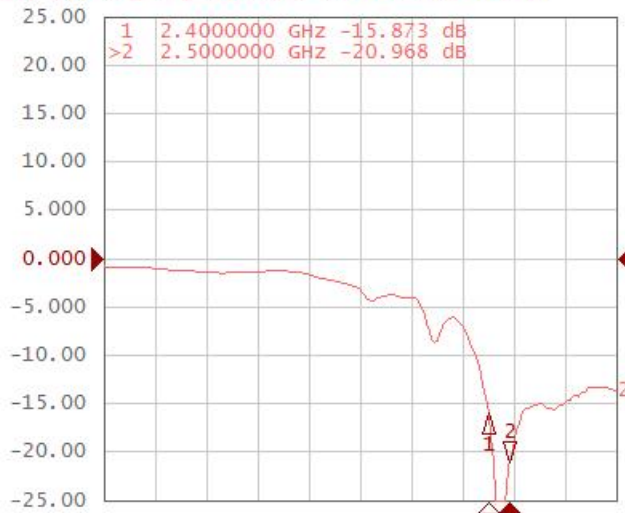


## 2. 4G-WIFI天线 Antenna (LOGMAG+VSWR+SMITH)

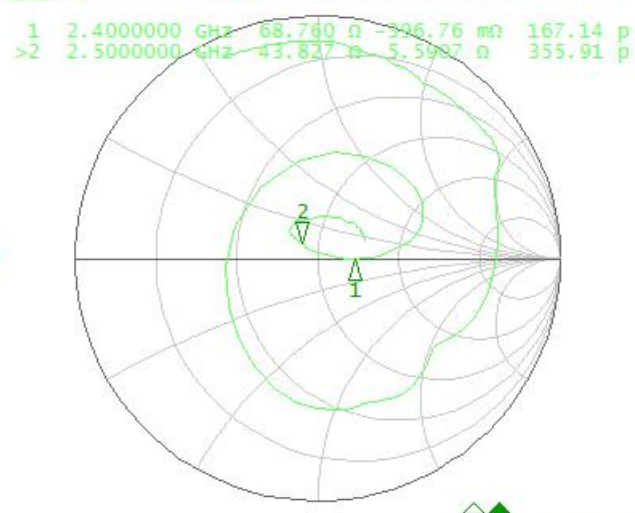
Tr1 S22 SWR 1.000/ Ref 1.000 [F1 M]



Tr2 S22 Log Mag 5.000dB/ Ref 0.000dB [F1 M]



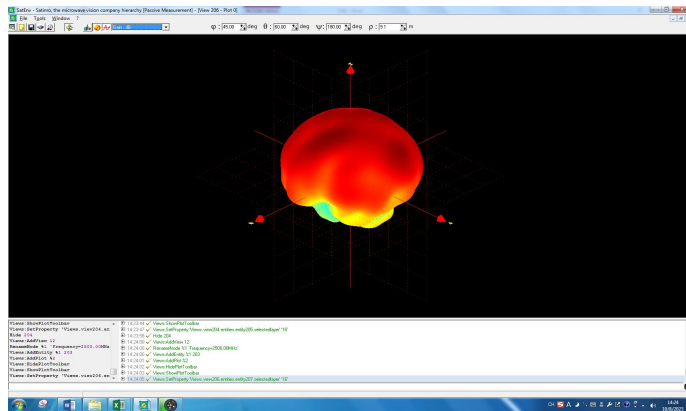
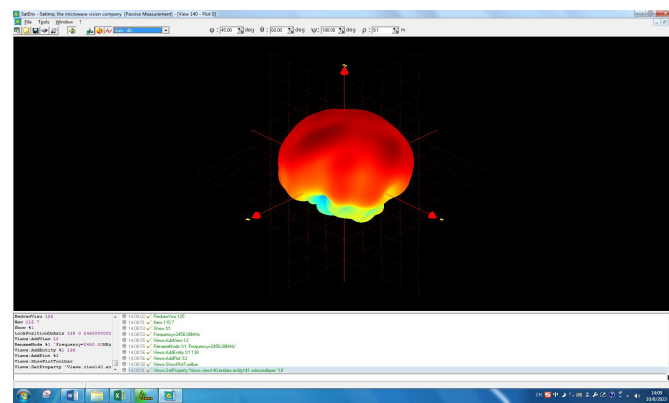
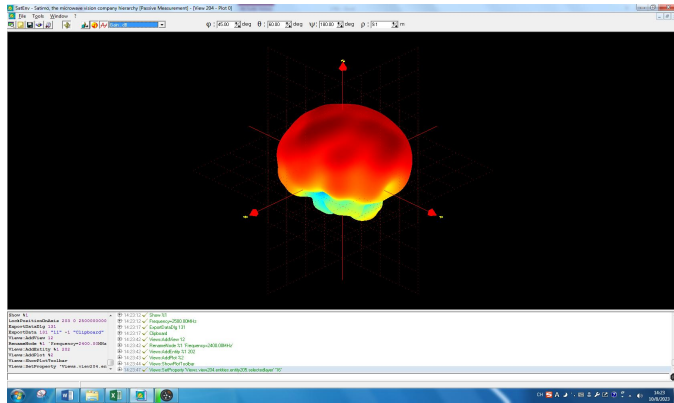
Tr3 S22 Smith (R+jX) scale 1.000u [F1 M]



## 2. 4G-WIFI天线效率及增益 Antenna Efficiency And Gain

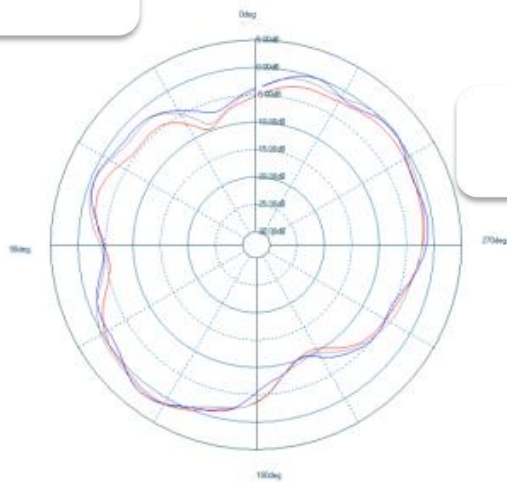
| Passive Test For 2400MHz~2500MHz |        |      |       |  |
|----------------------------------|--------|------|-------|--|
| Freq                             | Effi   | Effi | Gain  |  |
| (MHz)                            | (%)    | (dB) | (dBi) |  |
| 2400                             | 51.19% | -2.9 | 3.27  |  |
| 2410                             | 50.60% | -3.0 | 3.27  |  |
| 2420                             | 52.09% | -2.8 | 3.46  |  |
| 2430                             | 53.71% | -2.7 | 3.51  |  |
| 2440                             | 54.70% | -2.6 | 3.58  |  |
| 2450                             | 55.85% | -2.5 | 3.65  |  |
| 2460                             | 55.03% | -2.6 | 3.61  |  |
| 2470                             | 53.18% | -2.7 | 3.56  |  |
| 2480                             | 53.27% | -2.7 | 3.46  |  |
| 2490                             | 52.38% | -2.8 | 3.24  |  |
| 2500                             | 53.18% | -2.7 | 3.25  |  |
|                                  |        |      |       |  |
|                                  |        |      |       |  |
|                                  |        |      |       |  |
|                                  |        |      |       |  |
|                                  |        |      |       |  |

# Radiation Pattern For 2.4G-WIFI Antenna (2450MHz)



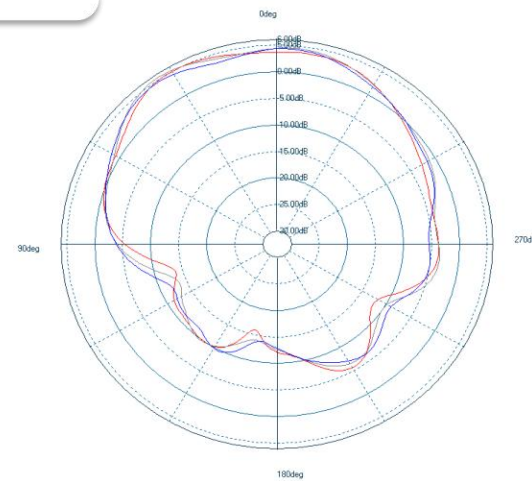
## 2. 4G-WiFi方向图 Direction Diagram

XOY

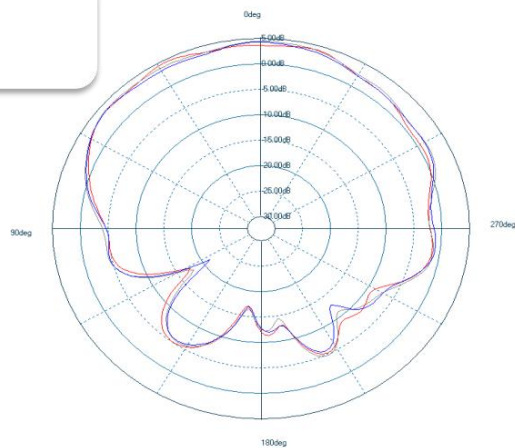


MIN:-12.23

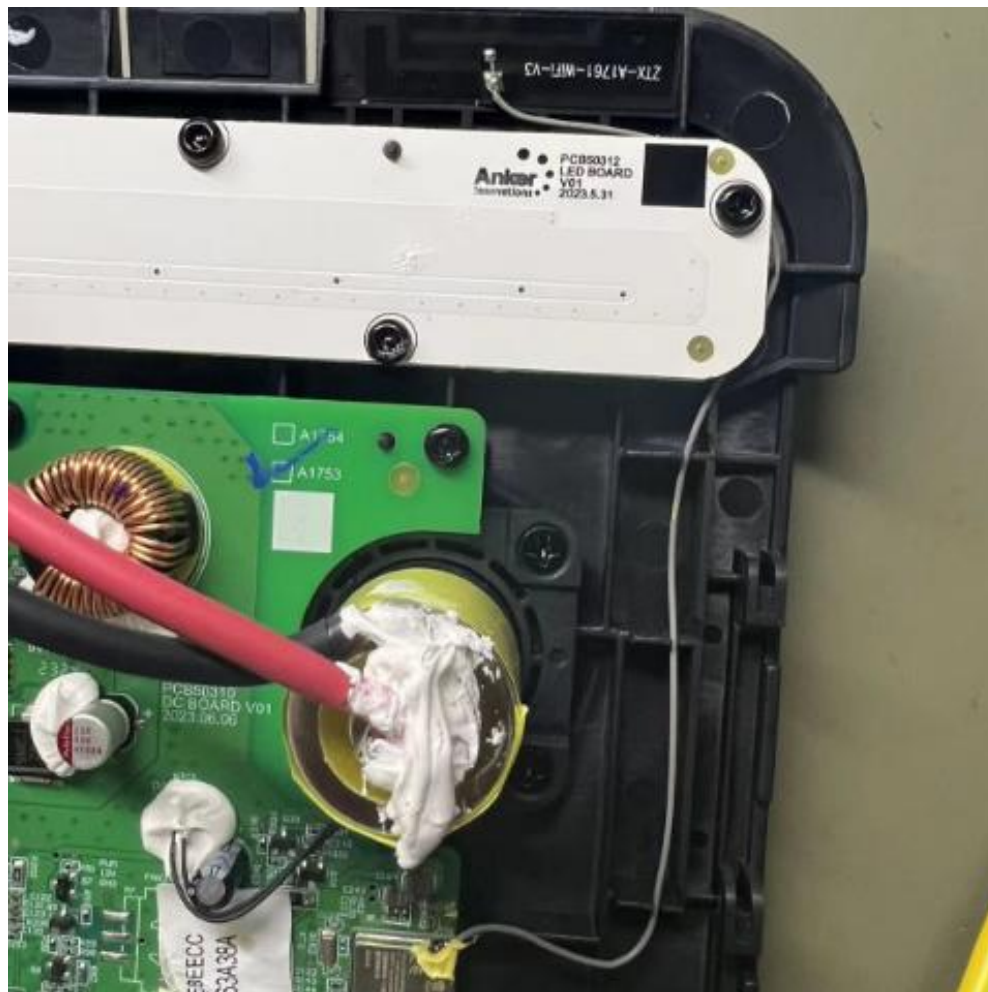
XOZ



YOZ



## 天线位置 Antenna Position



谢谢！  
Thank You !