

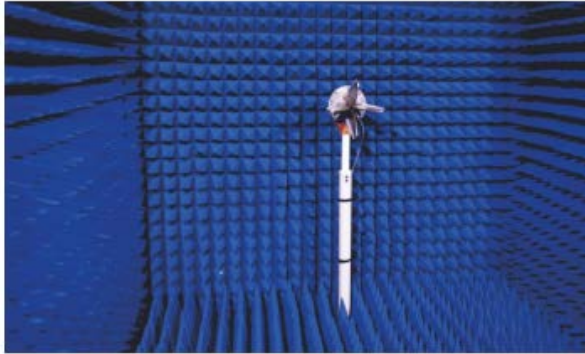
# 天线测试报告

## Antenna test report

Manufacturer: Shenzhen Xiaoqiang Technology Co., Ltd

Address: Floor 2-3, Building 3, Fifth Industrial Zone, Tianliao Community, Yutang Street,  
Guangming District, Shenzhen City

# Device under test



OTA-800

Brand: ETS ✓

Frequency range: 370MHz-8.5GHz

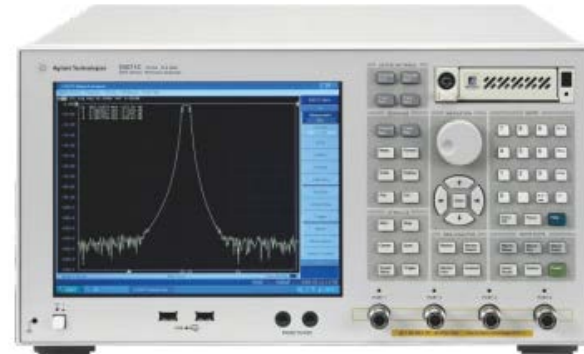
Function: passive, active test; G network, C network, 2G/3G/4G, WIFI, BT and other standard TRP, TIS test.



8960

Brand: 安捷伦

Function: 292MHz-2700GHz功能:  
Meet 2G/3G active test.



5071C

Brand: 安捷伦 ✓

Frequency range: 9KHz-8.5GHz

Function: 2G/3G/4G/BT/WIFI antenna comprehensive passive test.



CMW500

Brand: 罗德与施瓦茨

Function: 70KHz-6GHz

Functions: 2G/3G/4G/BT/WIFI/ NB-LTE and other antennas comprehensive active test.

# Physical picture of antenna assembly position



antenna size

# Electrical performance index

| 电性能指标 Electrical Parameter |                             |           |
|----------------------------|-----------------------------|-----------|
| 频率范围(MHz)                  | Frequency Range (MHz)       | 2400~2500 |
| 电压驻波比                      | VSWR                        | ≤7.0      |
| 输入阻抗( $\Omega$ )           | Input Impedance( $\Omega$ ) | 50        |
| 增益(dBi)                    | Gain(dBi)                   | 0.89      |
| 极化形式(° )                   | Polarization(° )            | vertical  |
| 最大功率(W)                    | Max power(W)                | 10        |
| 天线类型                       | Antenna Type                | Monopole  |
| 工作温度(°C)                   | Working Temperature(°C)     | -40~+80   |

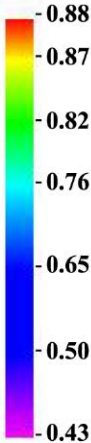
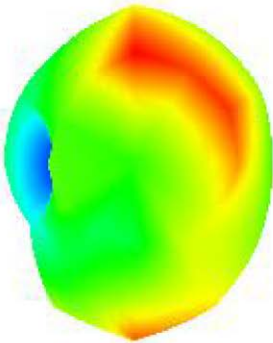
# Antenna passive data



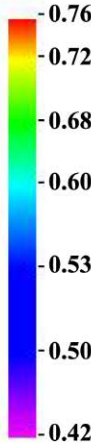
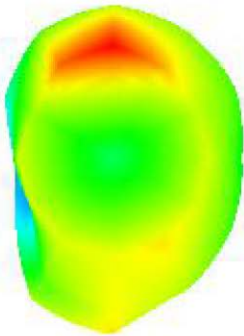
# Antenna gain/efficiency /3D Apple diagram

| Freq<br>(MHz) | Effi<br>(%) | Gain<br>(dBi) |
|---------------|-------------|---------------|
| 2400          | 1.6         | 0.86          |
| 2410          | 1.36        | 0.87          |
| 2420          | 1.77        | 0.86          |
| 2430          | 1.45        | 0.89          |
| 2440          | 1.42        | 0.79          |
| 2450          | 1.18        | 0.78          |
| 2460          | 1.63        | 0.77          |
| 2470          | 1.01        | 0.76          |
| 2480          | 1           | 0.69          |
| 2490          | 0.73        | 0.61          |
| 2500          | 1.42        | 0.67          |

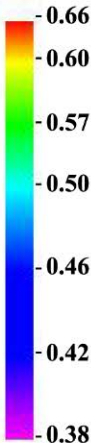
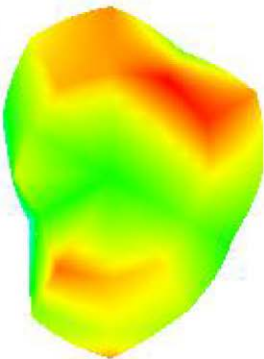
2400.000MHz



2450.000MHz

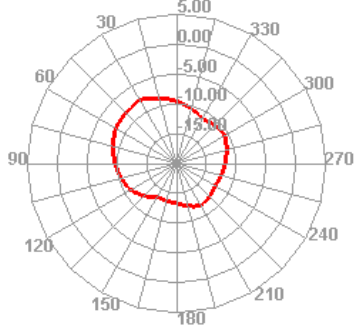


2500.000MHz

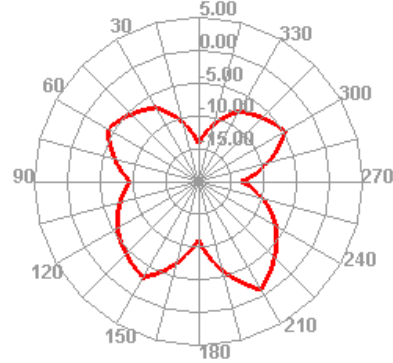


# Antenna pattern

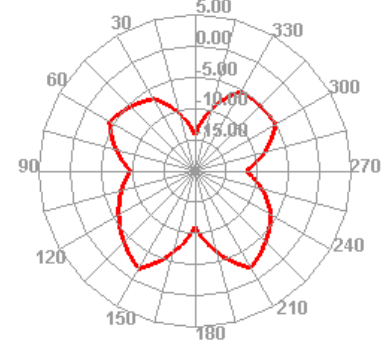
2400.000MHz H



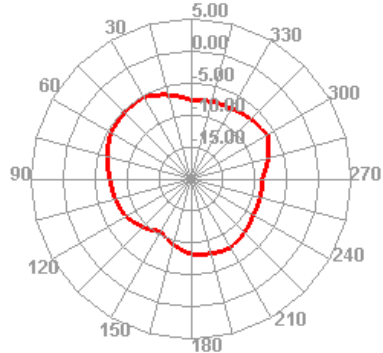
2400.000MHz E1



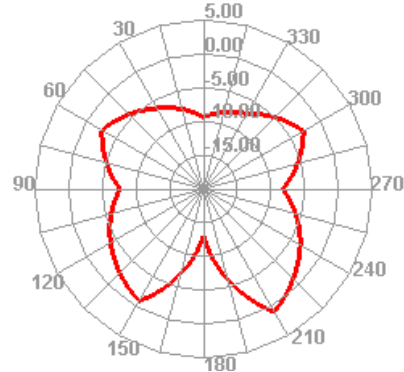
2400.000MHz E2



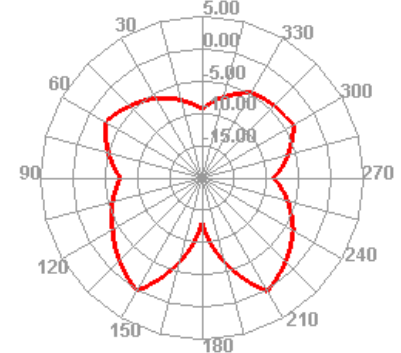
2450.000MHz H



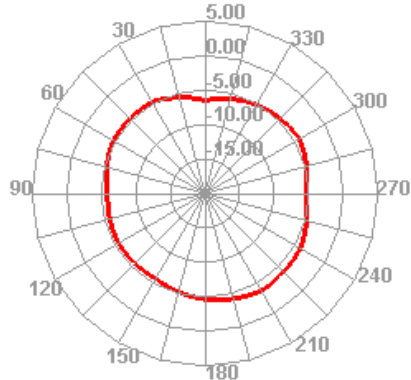
2450.000MHz E1



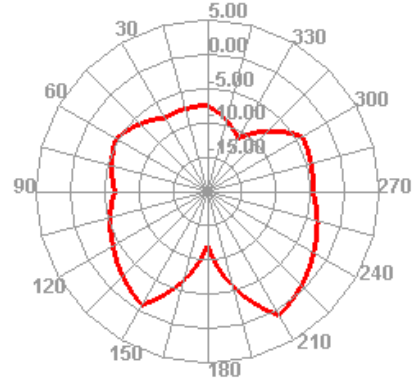
2450.000MHz E2



2500.000MHz H



2500.000MHz E1



2500.000MHz E2

