



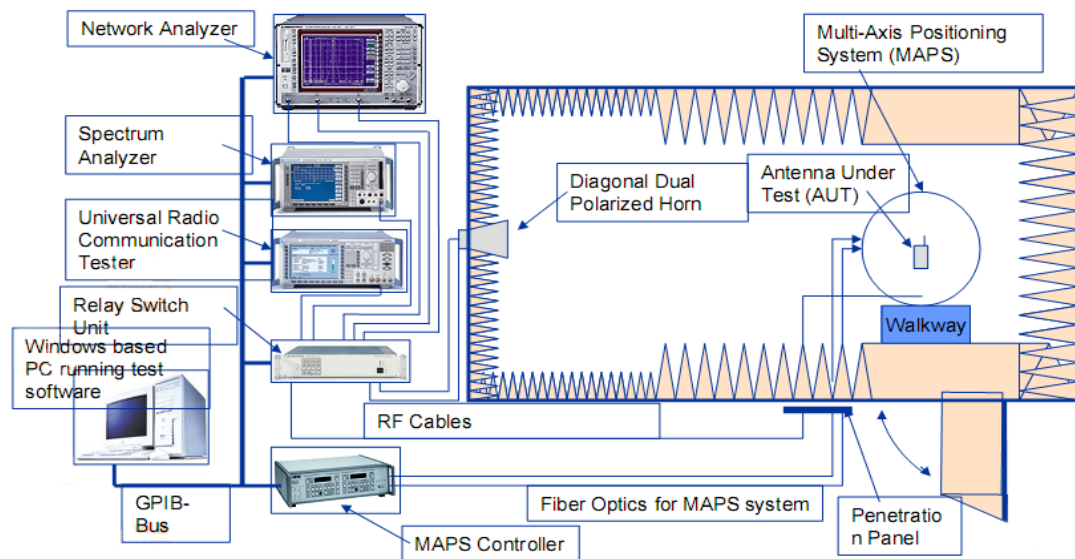
DONGGUAN TENGXIANG ELECTRONICS CO., LTD.

## 2. 4G Antenna Testing Parameters

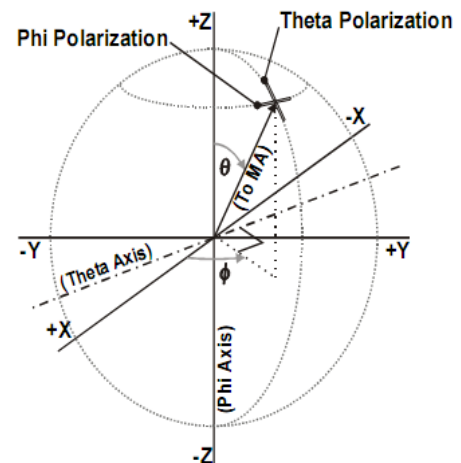
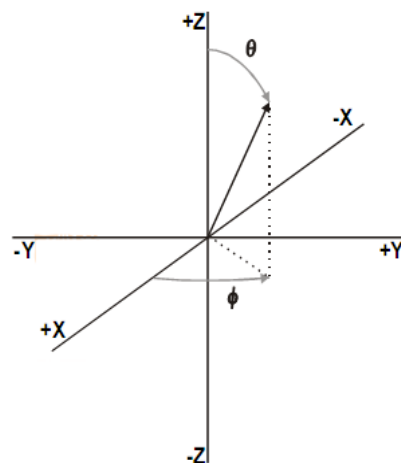
- Pro No:AN2400-TUB065A/2.15.5.00106
- Antenna Specification:2400-2500MHz 2.77dBi
- Test Equipment:Fully Anechoic Chamber/Aglient E5071C
- Versions:V1.0
- Prepare by:YuanChaoXu
- Approve by:Wei Jia

Address:Dongguan City Chang'an Town sand head community shacong Road 53#  
Call US: 0769-81873081/0769-81873082

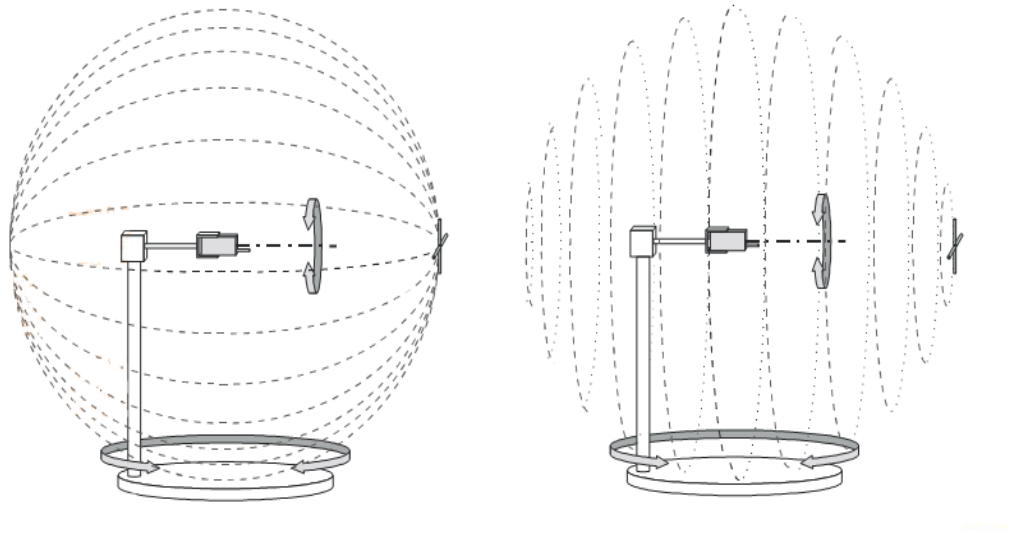
# 1. CTIA OTA Test System



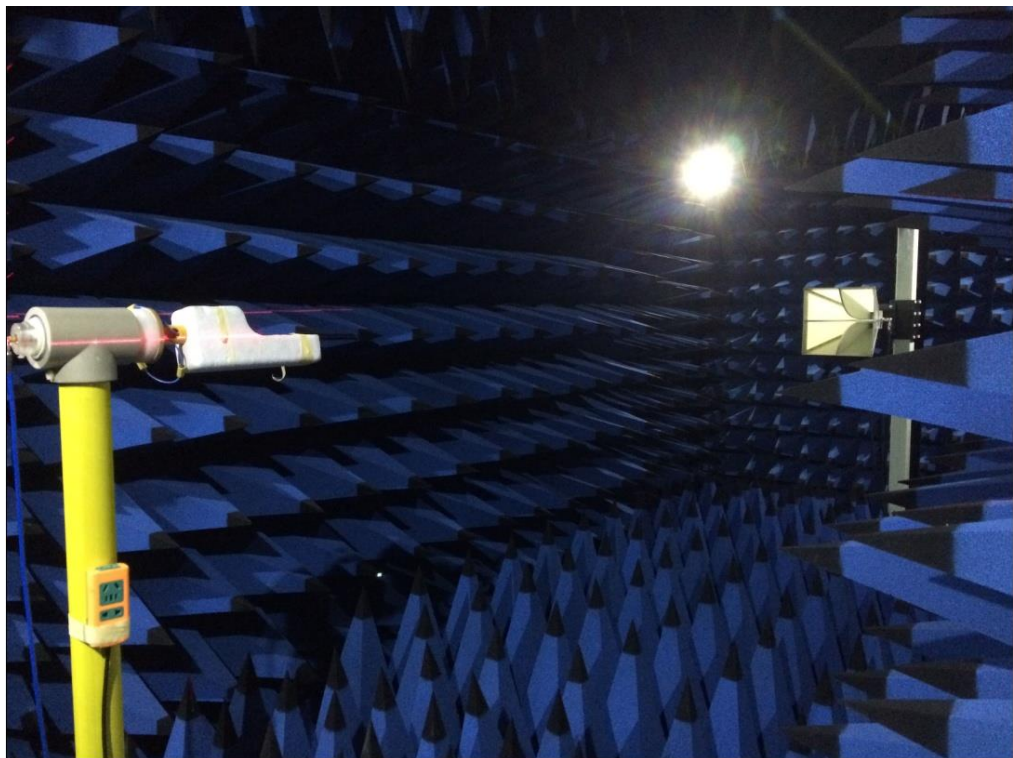
## 1.1 Test Coordinates



## 1.2 Turntable



## 1.3 ETS Test System In TengXiang



Size: 7m\*3m\*3m

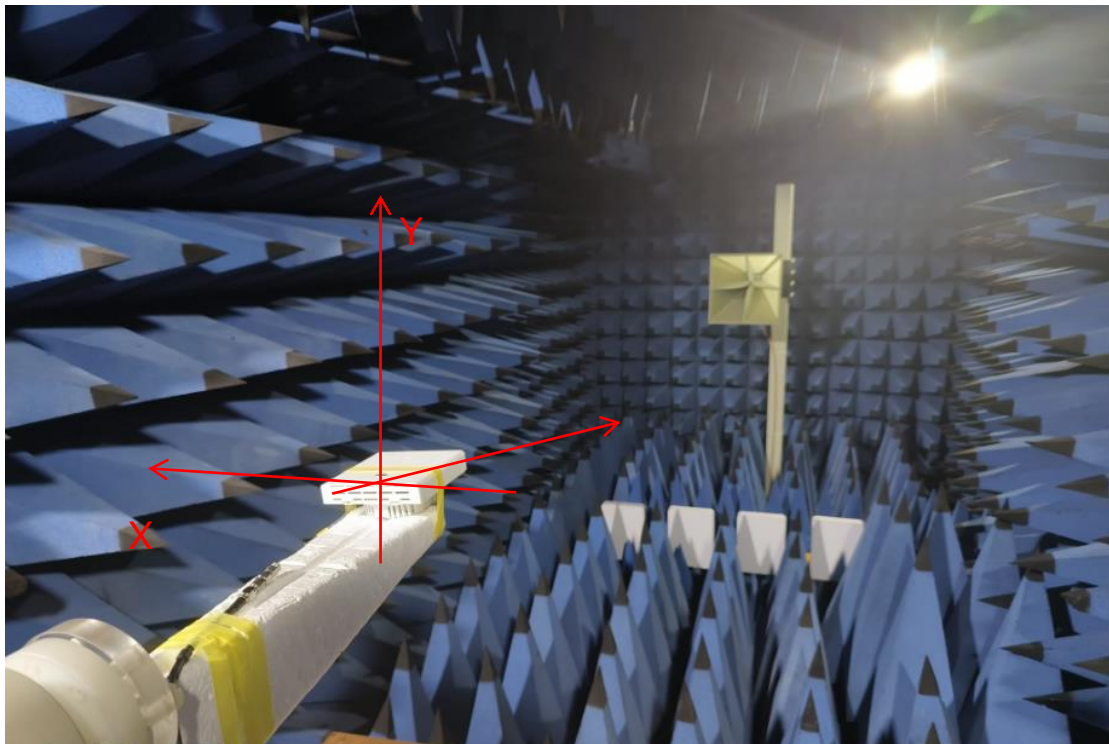
Electromagnetic Shield:  $\geq 100\text{dB}$

Test Tolerance :  $\pm 0.5\text{dBi}$

Test Project:

- 700MHz-6GHz Passive Test
- 2G/3G/4G OTA Test

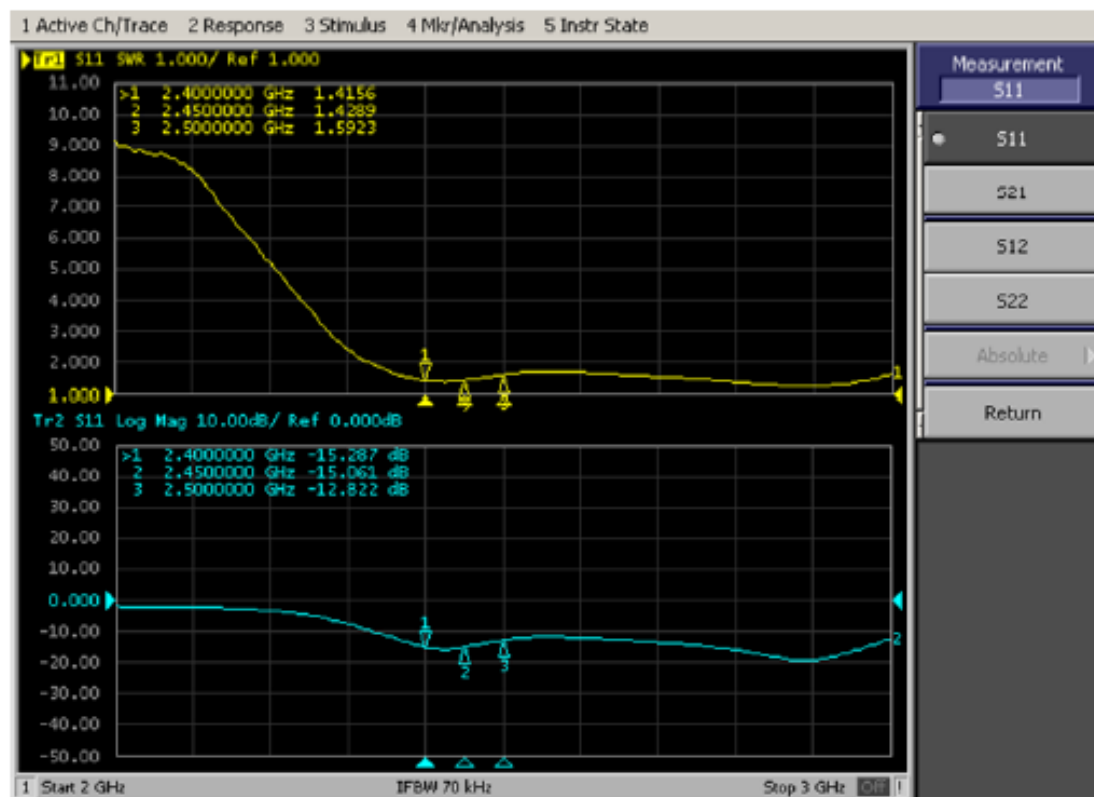
## 2. Testing Picture



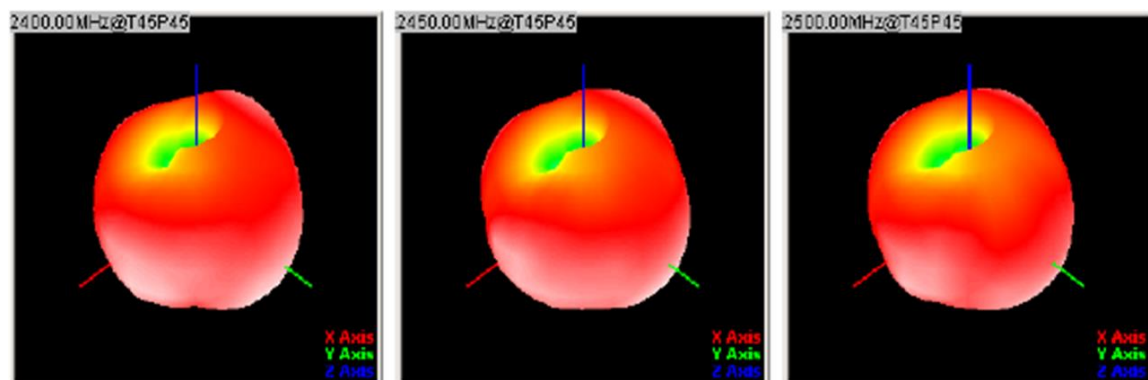
## 3. Testing Data

| Frequency(MHz) | 2400MHz | 2450MHz | 2500MHz |
|----------------|---------|---------|---------|
| Peak Gain(dBi) | 2.64    | 2.61    | 2.77    |
| Efficiency(%)  | 85.80   | 85.60   | 85.40   |

### 3.1.1 VSWR Test



### 3.2.1 3D\_Radiation Pattern

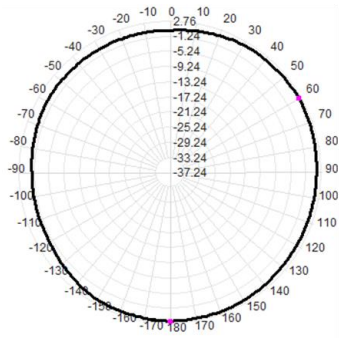


2400MHz

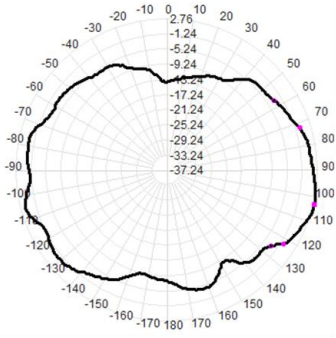
2450MHz

2500MHz

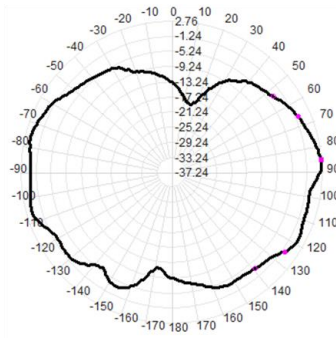
### 3.2.2 2D\_Radiation Pattern



XY\_Plane



XZ\_Plane



YZ\_Plane

2450MHz

