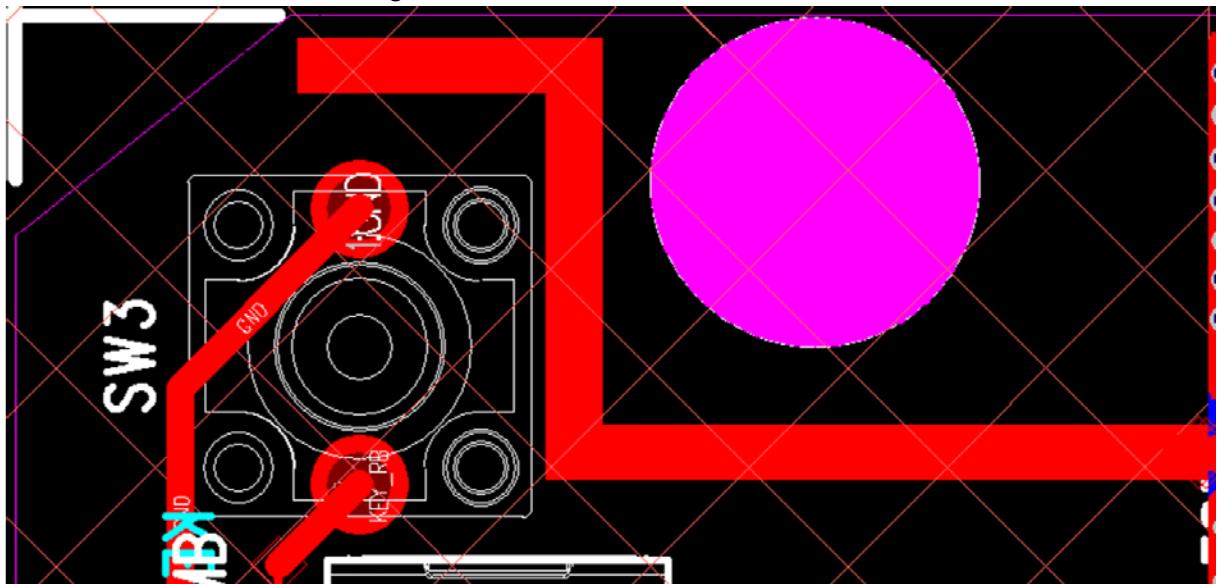


1: Antenna model: PCB antenna

2: Antenna type: PCB sinking board antenna

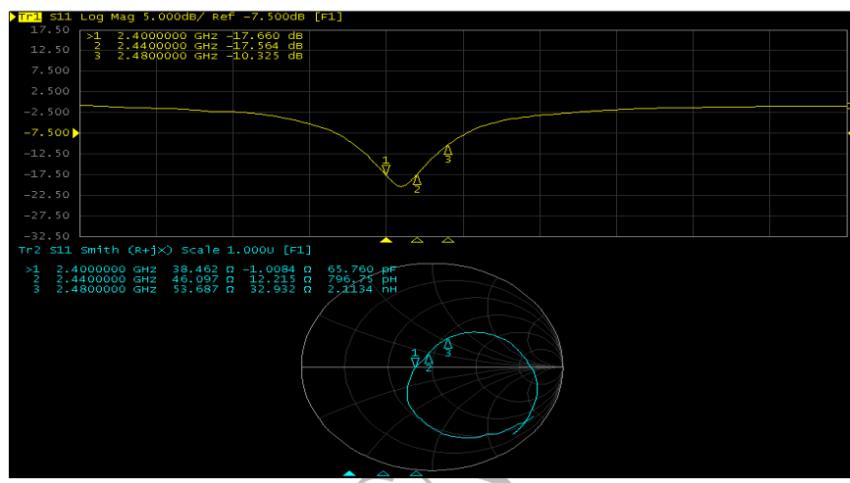
3: Gain: 0.5dBi

4: The antenna size is shown in Figure



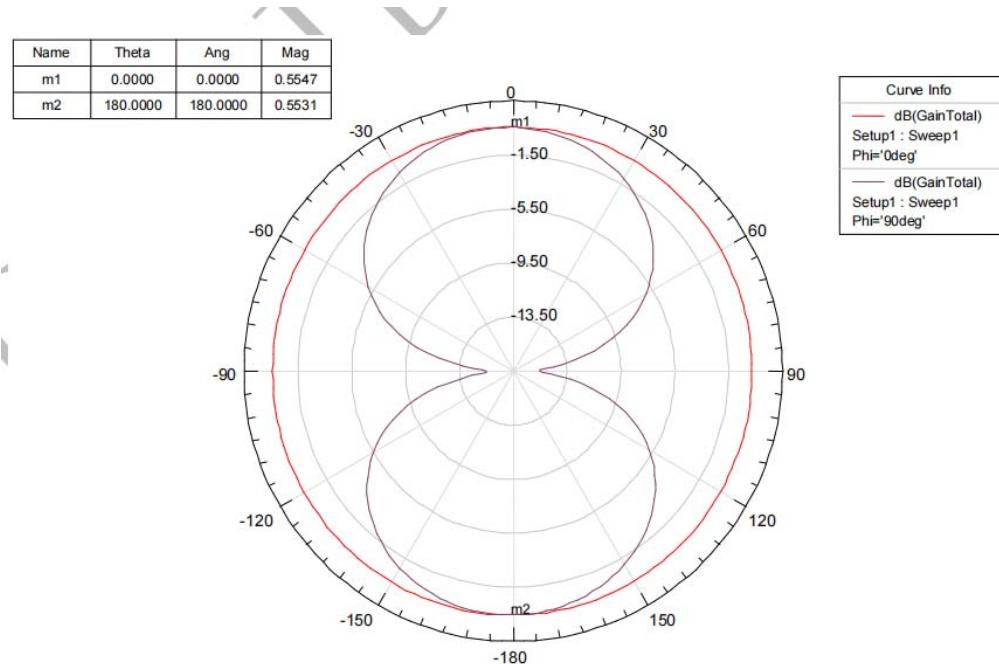
**Figure 1**

5. The antenna performance is shown in Figure 2, with a working frequency range covering the entire 2.4G ISM frequency band.

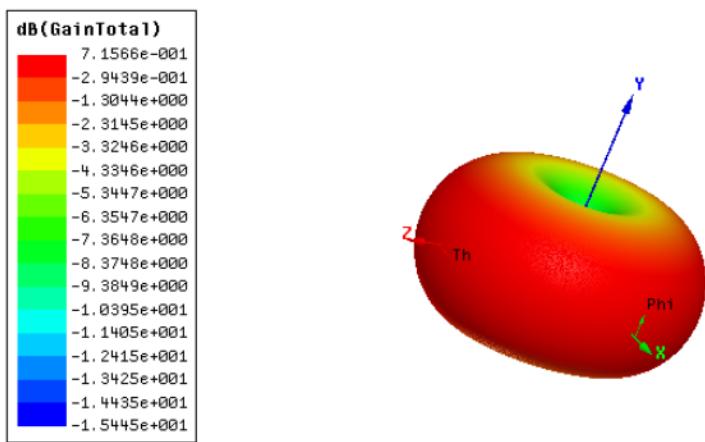


**Figure 2**

6 : The 2D and 3D gains are as follows, reaching around 0.5dB:



**Figure 3**

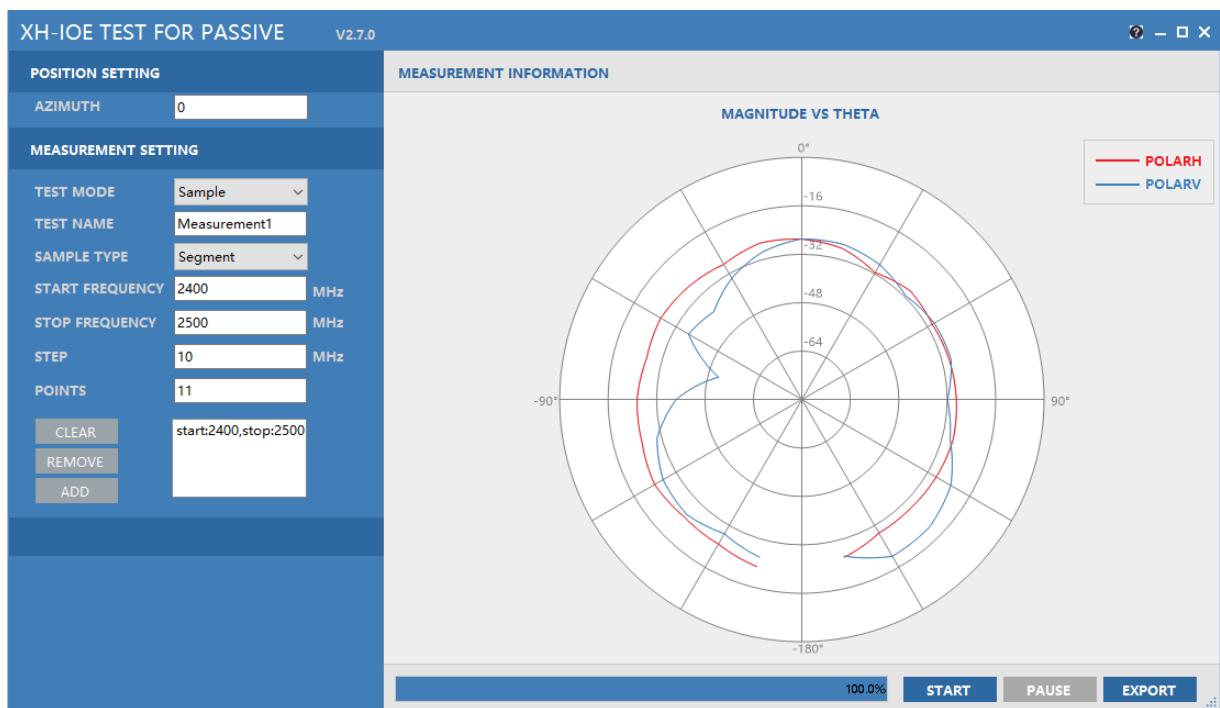


**Figure 4: Antenna Gain**

## 7 : Test laboratory name and address

|            |  |
|------------|--|
| Laboratory | Shenzhen Yingjachuang Electronic Technology Co., LTD                   |
| Address    | No.11, Youma Gang Road, Guangming District, Shenzhen, Guangdong, China |

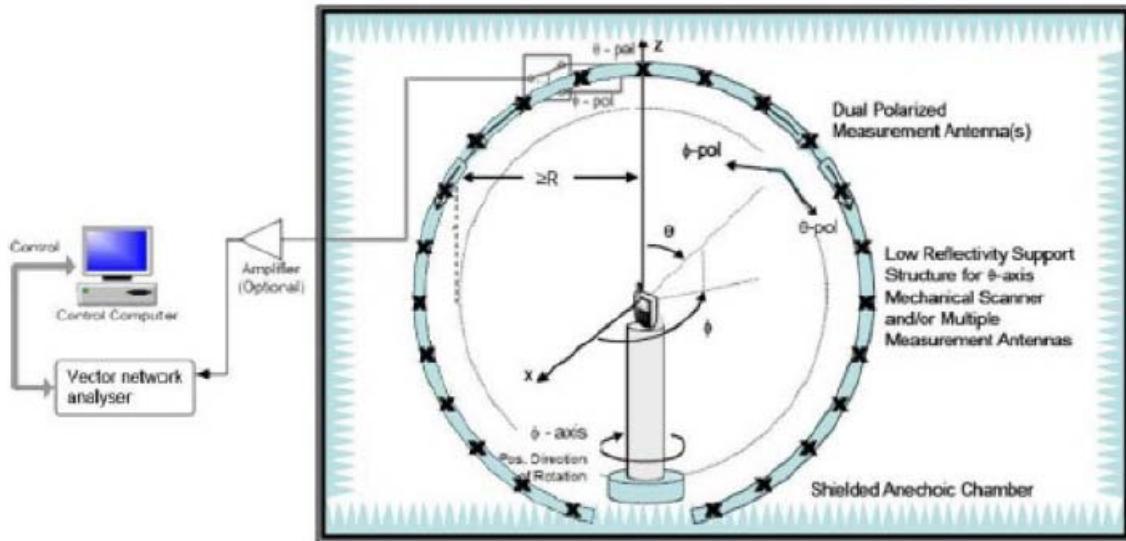
## 8 : Test software



## 9 : testing standard

| Name                | Parameter            | Method                                     | Standard no.            |
|---------------------|----------------------|--|-------------------------|
| Antenna performance | Radiation efficiency | IEEE Standard Test Procedures for Antennas | ANSI/IEEE Std 149- 2021 |

## 10 : test setup



## 11 : Test instrument and calibration date

| Equipment        | Manufacturer | Model number | Last Cal. | Due Date  |
|------------------|--------------|--------------|-----------|-----------|
| Network anahyzer | Agilent      | E5071B       | 2024.5.18 | 2025.5.17 |

## 12 : Testers and test dates

|        |           |
|--------|-----------|
| Tester | Zeng Feng |
| Date   | 20240720  |