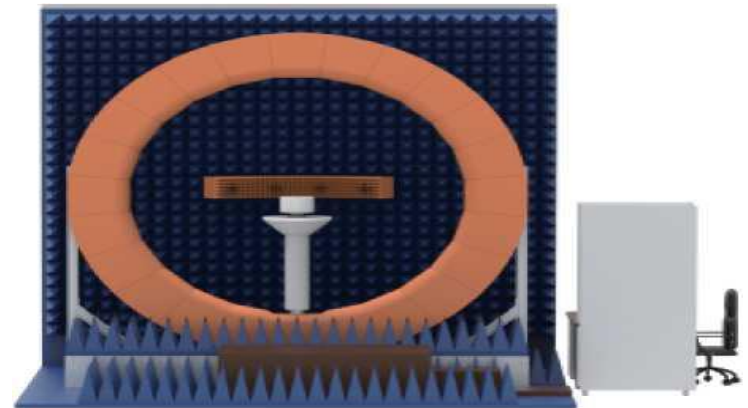
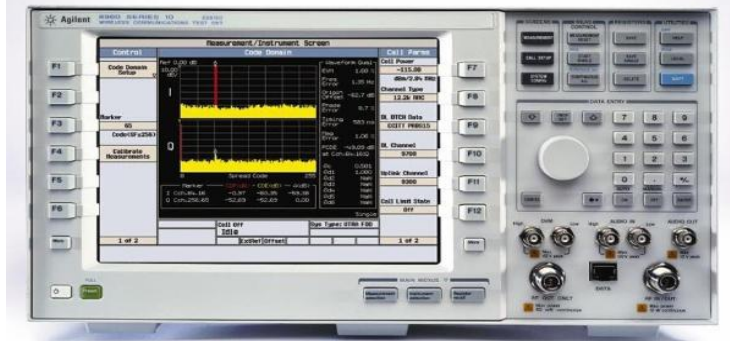




|                  |              |
|------------------|--------------|
| Customer         | 新联芯          |
| Project          | ANC569       |
| Antenna Revision | A0           |
| Prepared by      | 18814303605  |
| Checked by       |              |
| Date :           | 2025. 09. 28 |

## 2. Test System

| Sequence Number   | Test Item         | equipment                     |
|-------------------|-------------------|-------------------------------|
| S parameter       | VSWR              | Agilent 5071C & Agilent 5071B |
| OTA Test          | TRP&TIS           | Agilent 8960 & CMW500 STIMO   |
| Gain & Efficiency | Gain & Efficiency | SATIMO<br>Agilent 5071C       |



## ***Purpose***

This report is to measure the performance of antenna for **ANC569** The antenna operating frequency at 2400MHz0-2500MHz 。 All test data are showed as below.

## ***Content***

1. Product Overview & Dimension

2. Test system

3. Test Result

**3.1 S11 Parameter**

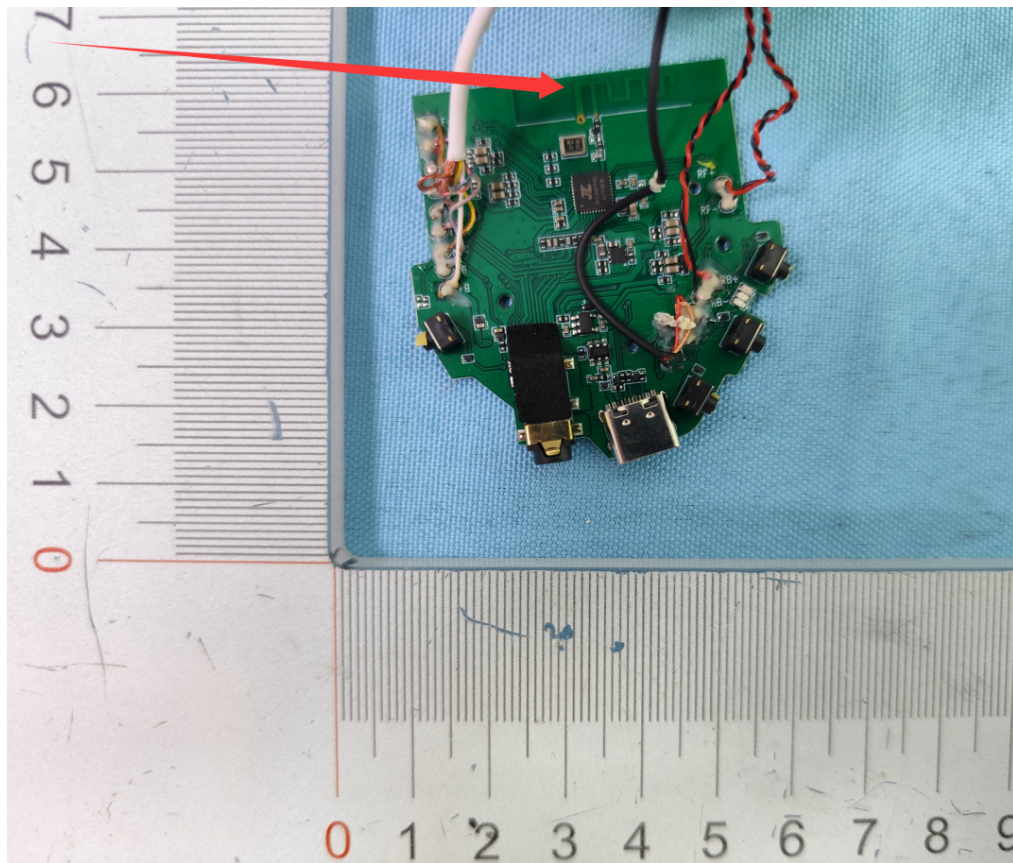
**3.2 Gain & Efficiency**

**3.3 2D Pattern**

4. OTA

**4.1 Test Result**

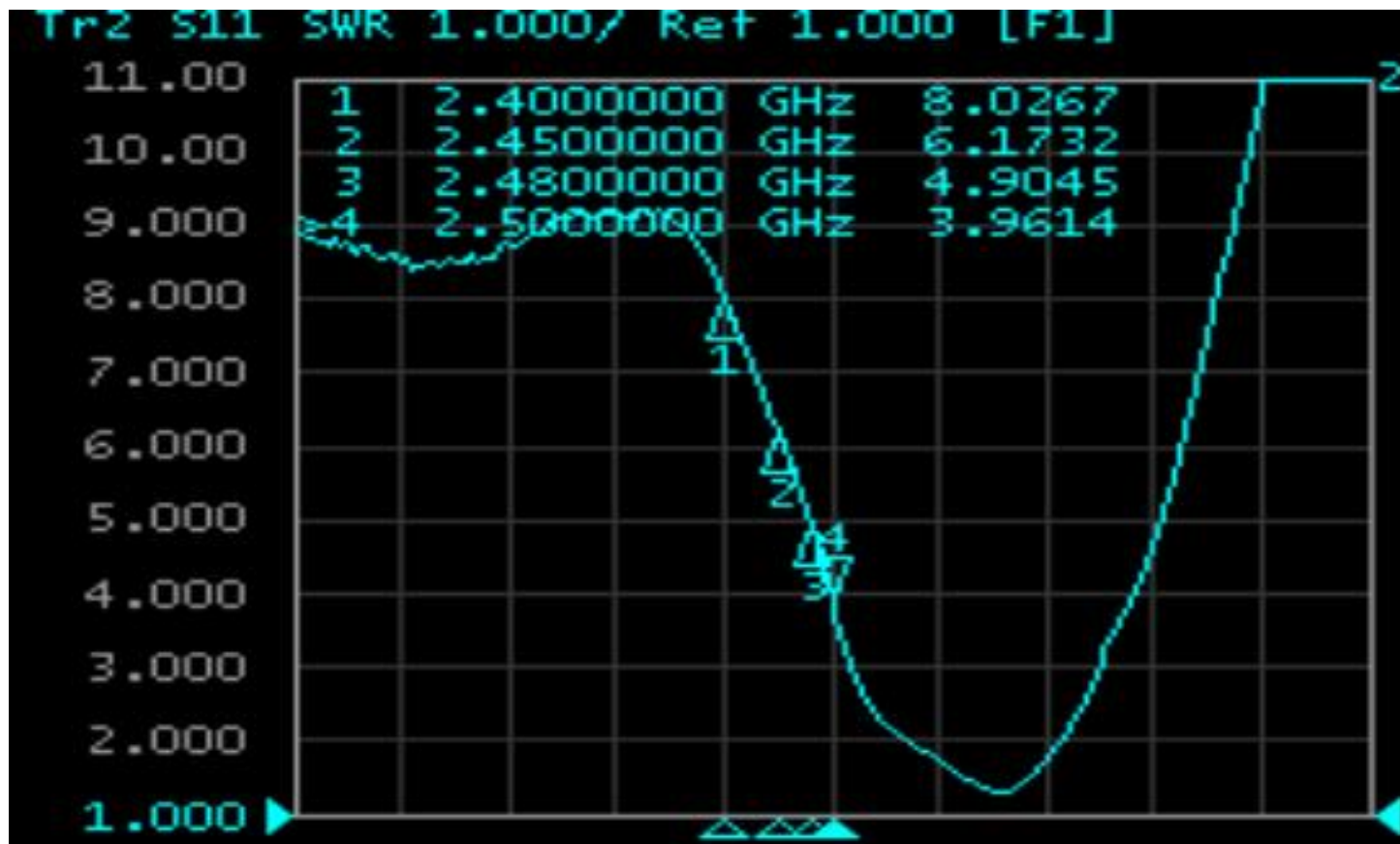
**4.2 2D Pattern**



Manufacturer: Shenzhen Seenda Technology Co., Ltd.  
Address: #3402-3405, 3410-3411, Building B, Longhua District Digital Innovation Center,  
Beizhan Community, Minzhi Street, Longhua District, Shenzhen, China

## 3.1 Test Result

### 1 .S11 Parameter-VSWR



|                 |      |      |      |      |
|-----------------|------|------|------|------|
| Frequency (MHz) | 2400 | 2450 | 2480 | 2500 |
| VSWR            | 8.02 | 6.17 | 4.90 | 3.96 |

## 3.1 Test Result

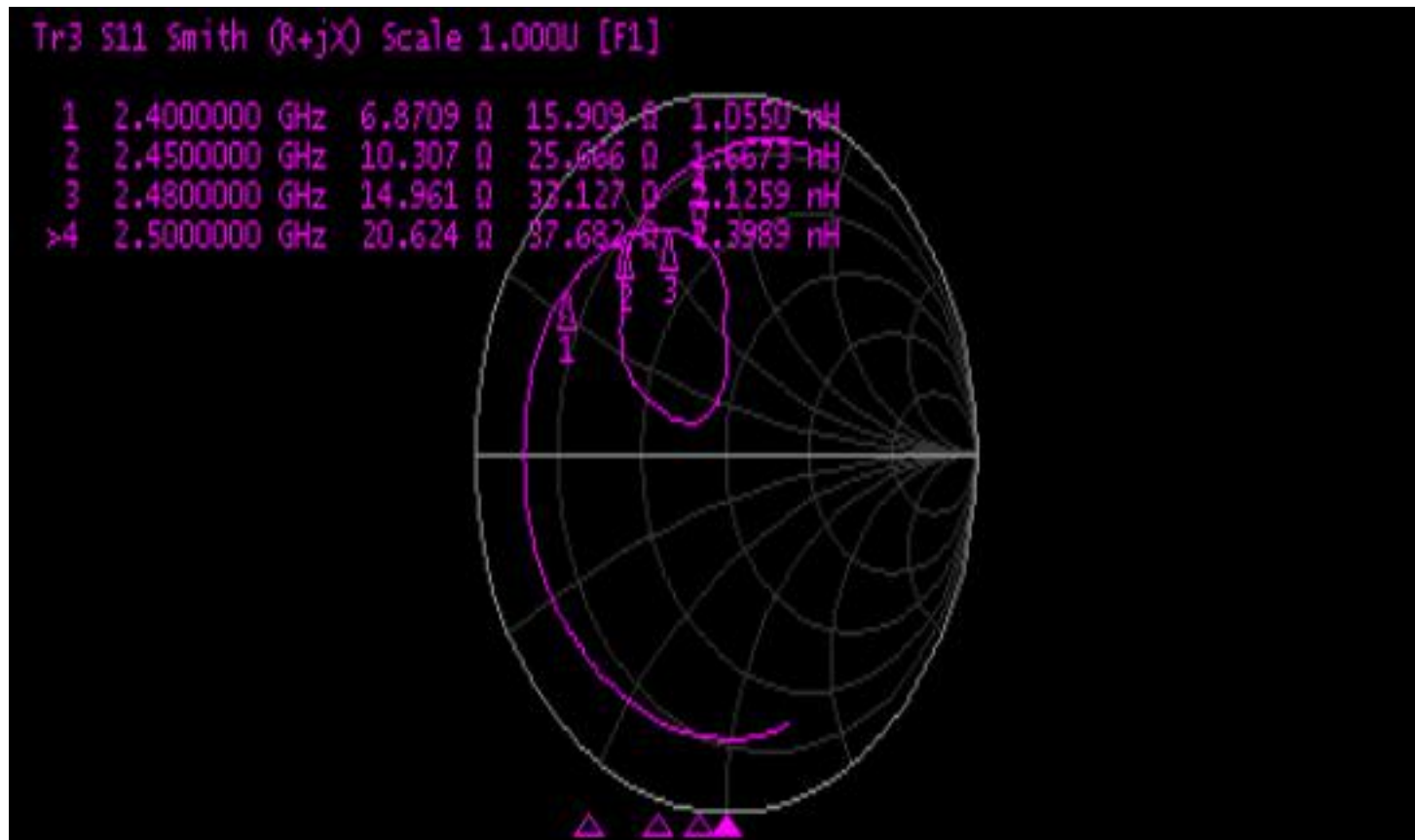
### 2. S11 Parameter-Log Mag



|                 |       |       |       |       |
|-----------------|-------|-------|-------|-------|
| Frequency (MHz) | 2400  | 2450  | 2480  | 2500  |
| Log Mag         | -2.17 | -2.83 | -3.59 | -4.48 |

## 3.1 Test Result

### 3.S11 Parameter-Smith



| Frequency (MHz) | 2400 | 2450  | 2480  | 2500  |
|-----------------|------|-------|-------|-------|
| Smith(Ω)        | 6.87 | 10.30 | 14.96 | 20.62 |

## 3.2 Test Result

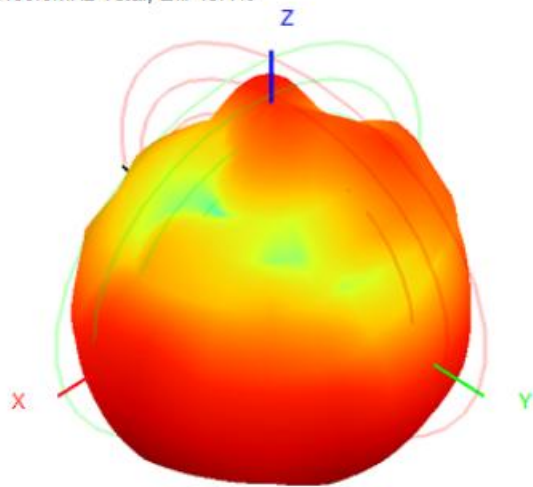
### 1 Gain & Efficiency—**ANT**

| Frequency (MHz) | Efficiency (%) | Peak GAIN (dBi) |
|-----------------|----------------|-----------------|
| 2400            | 15.15%         | -2.05           |
| 2410            | 15.71%         | -1.81           |
| 2420            | 16.46%         | -1.51           |
| 2430            | 17.19%         | -1.23           |
| 2440            | 18.54%         | -0.85           |
| 2450            | 19.91%         | -0.53           |
| 2460            | 21.10%         | -0.43           |
| 2470            | 22.75%         | -0.26           |
| 2480            | 24.68%         | 0.18            |

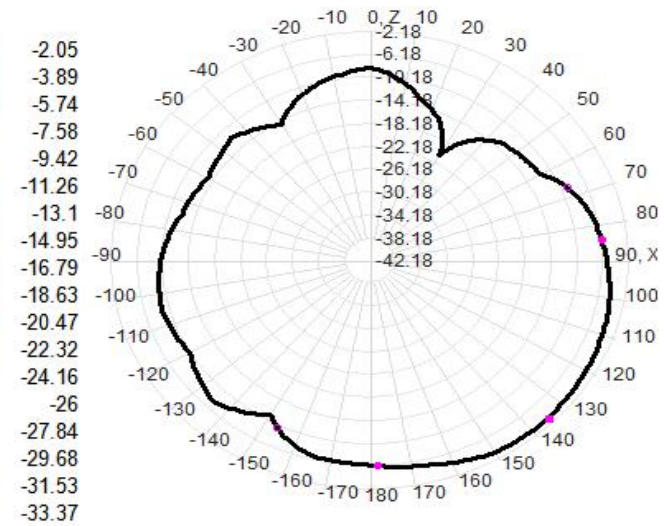
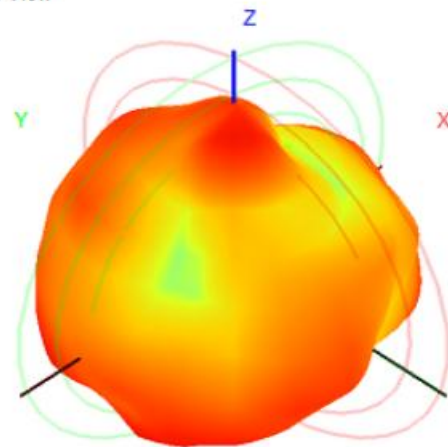
# 3.3 Test Result

## 1 2D Pattern——BTANT

2400.0MHz Total, Eff. 15.1%



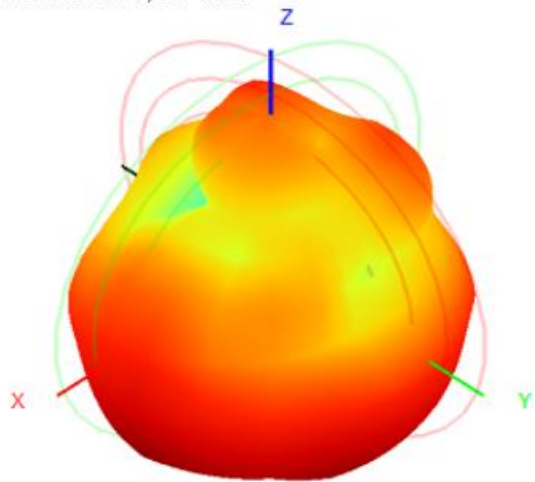
Back View



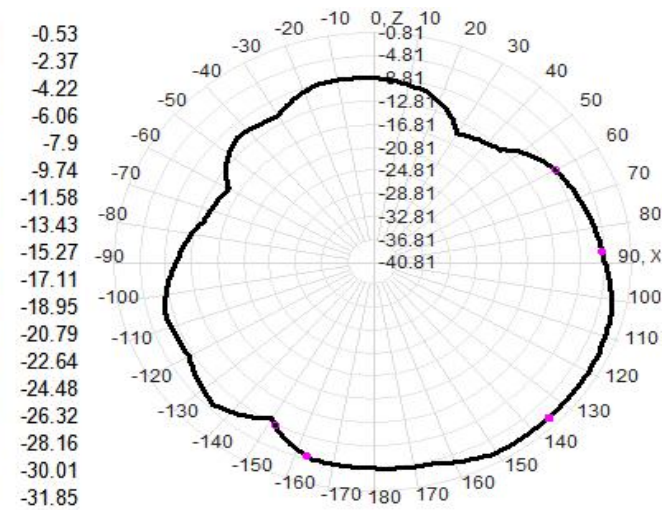
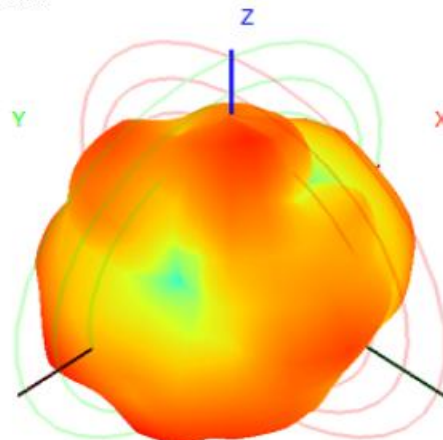
# 3.3 Test Result

## 2 2D Pattern—BTANT

2450.0MHz Total, Eff. 19.9%



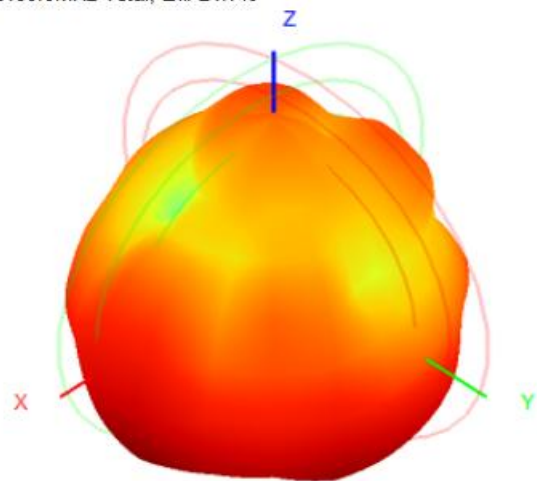
Back View



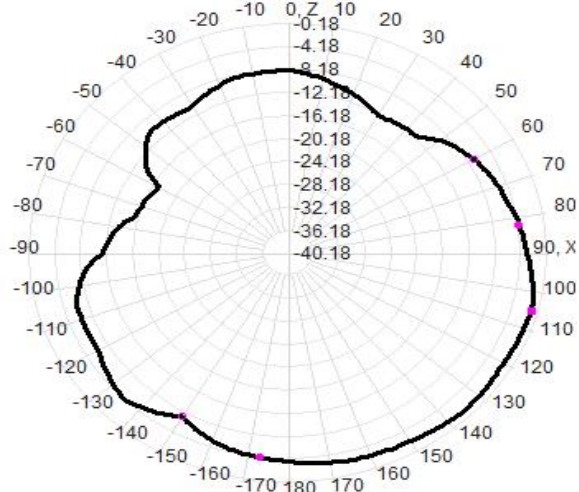
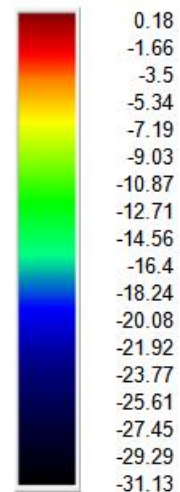
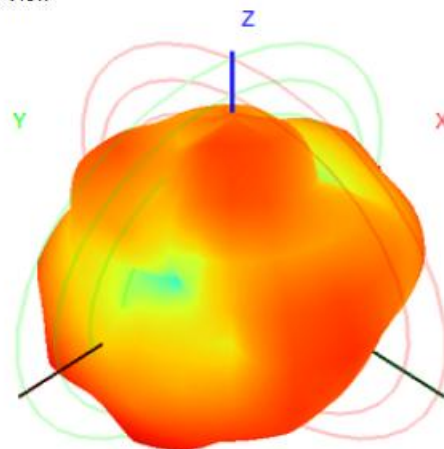
# 3.3 Test Result

## 3 2D Pattern—BTANT

2480.0MHz Total, Eff 24.7%



Back View



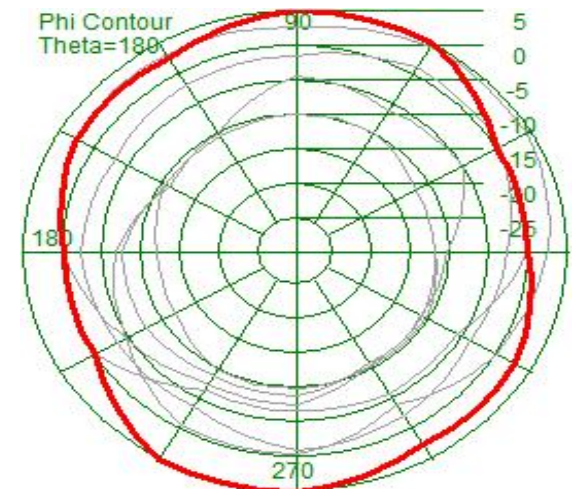
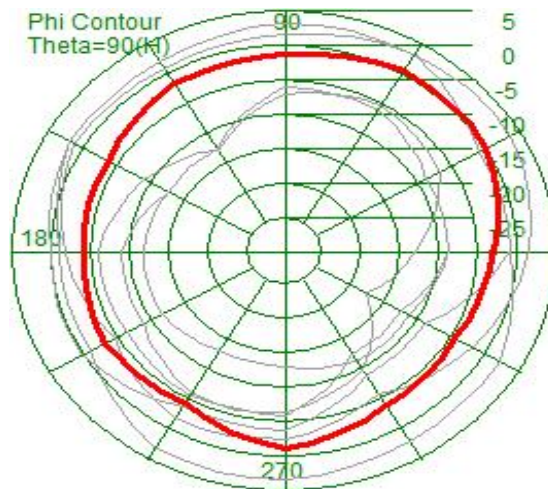
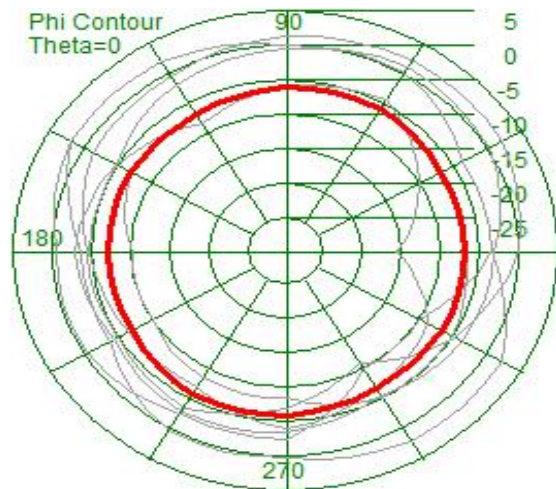
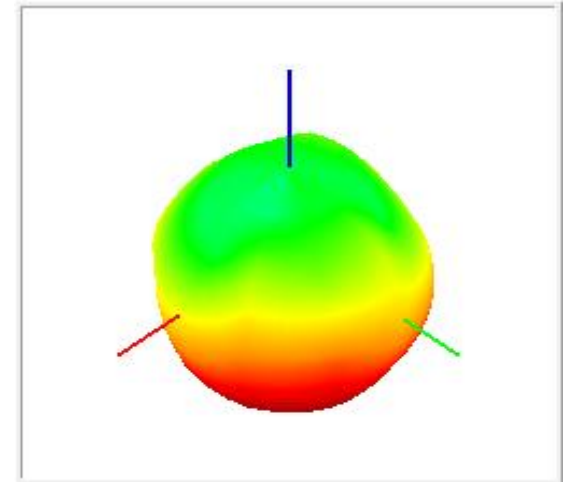
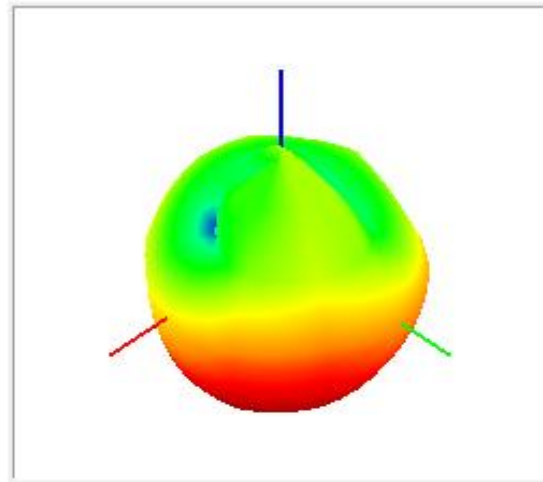
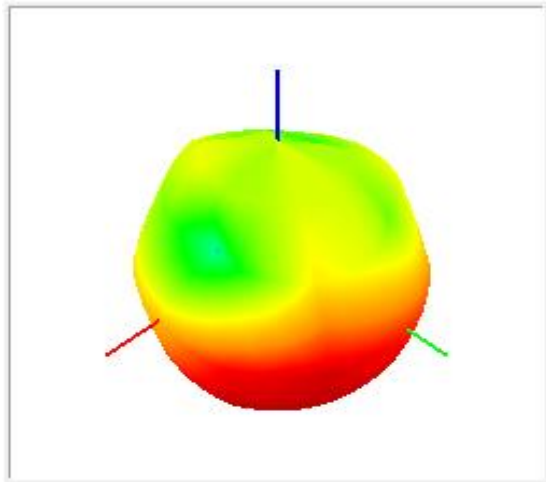
## 4.1 OTA Data

|                 |             |          |          |
|-----------------|-------------|----------|----------|
| Test Equipment: | R&S CMW500  |          |          |
| Test Condition: | 2 D chamber |          |          |
| Band            | Channel     | TRP(dBm) | TIS(dBm) |
| BT              | 0           | -3.08    | -81.27   |
|                 | 39          | -2.45    | -84.52   |
|                 | 78          | -1.50    | -85.93   |

## 4.2 Test Result

1 2D Pattern——**BTANT**

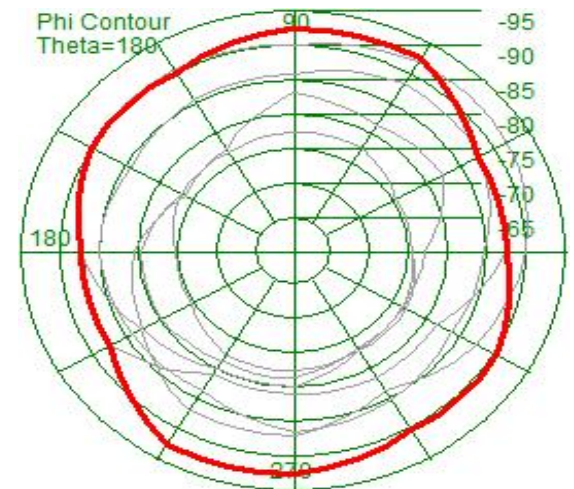
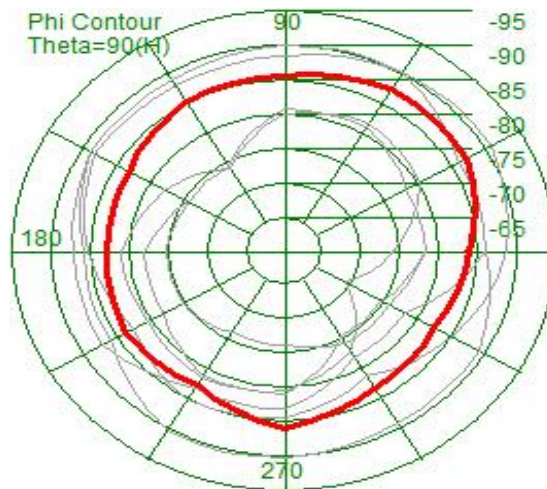
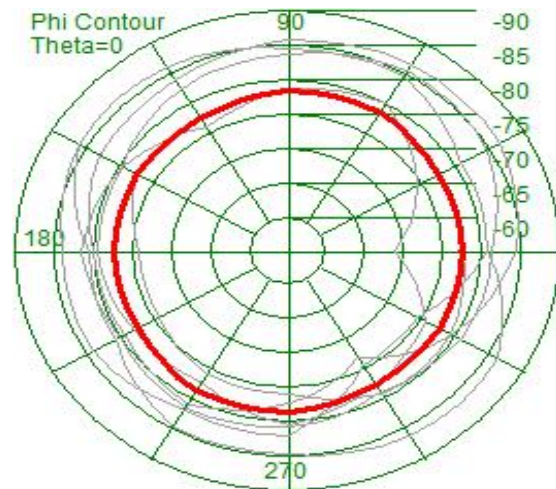
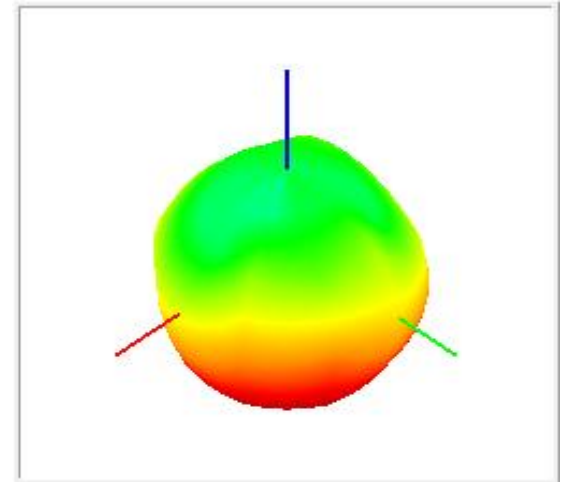
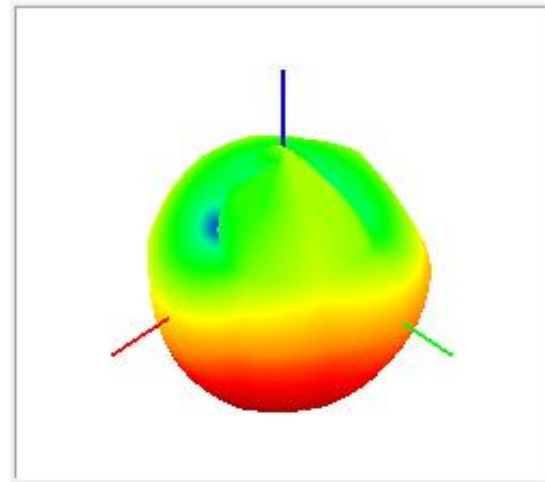
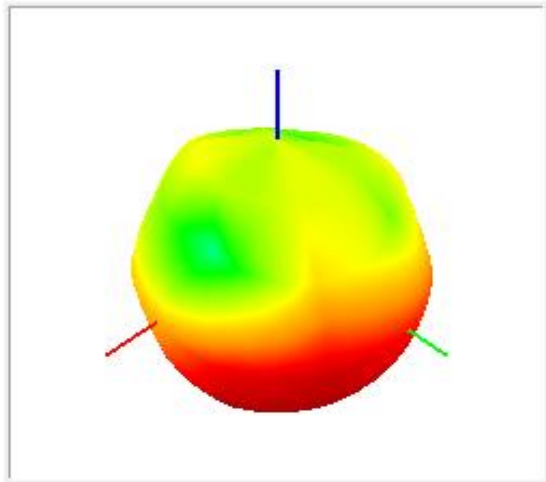
TRP



## 4.2 Test Result

2 2D Pattern——**BTANT**

TIS



*Thank you!*