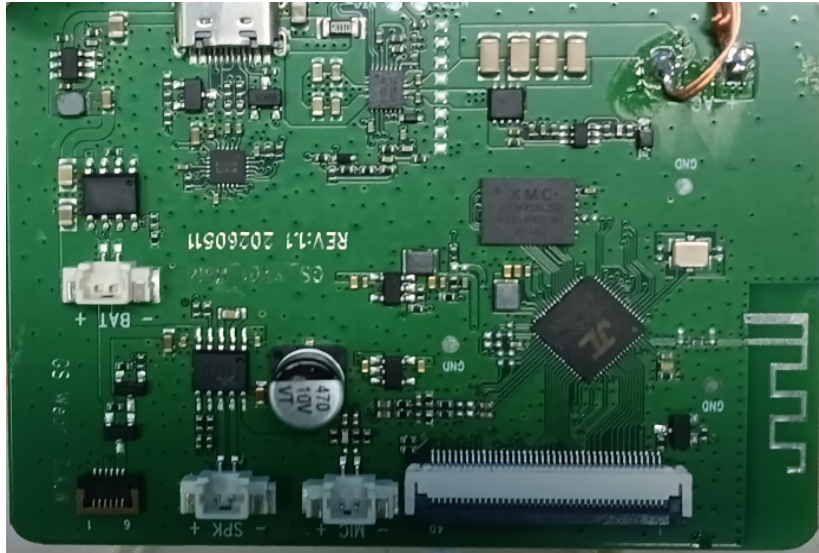


# Antenna Data Sheet

|               |                                                                                            |
|---------------|--------------------------------------------------------------------------------------------|
| Manufacturer: | Shenzhen shenyue Technology Co., Ltd.                                                      |
| Add:          | Room 6c2, Meipeng Business Center, No.11, Changfa<br>Middle Road, Bantian Street, Longgang |
| Model:        | RF-108                                                                                     |
| Date:         | October 11, 2024                                                                           |
| Versions:     | V1.0                                                                                       |

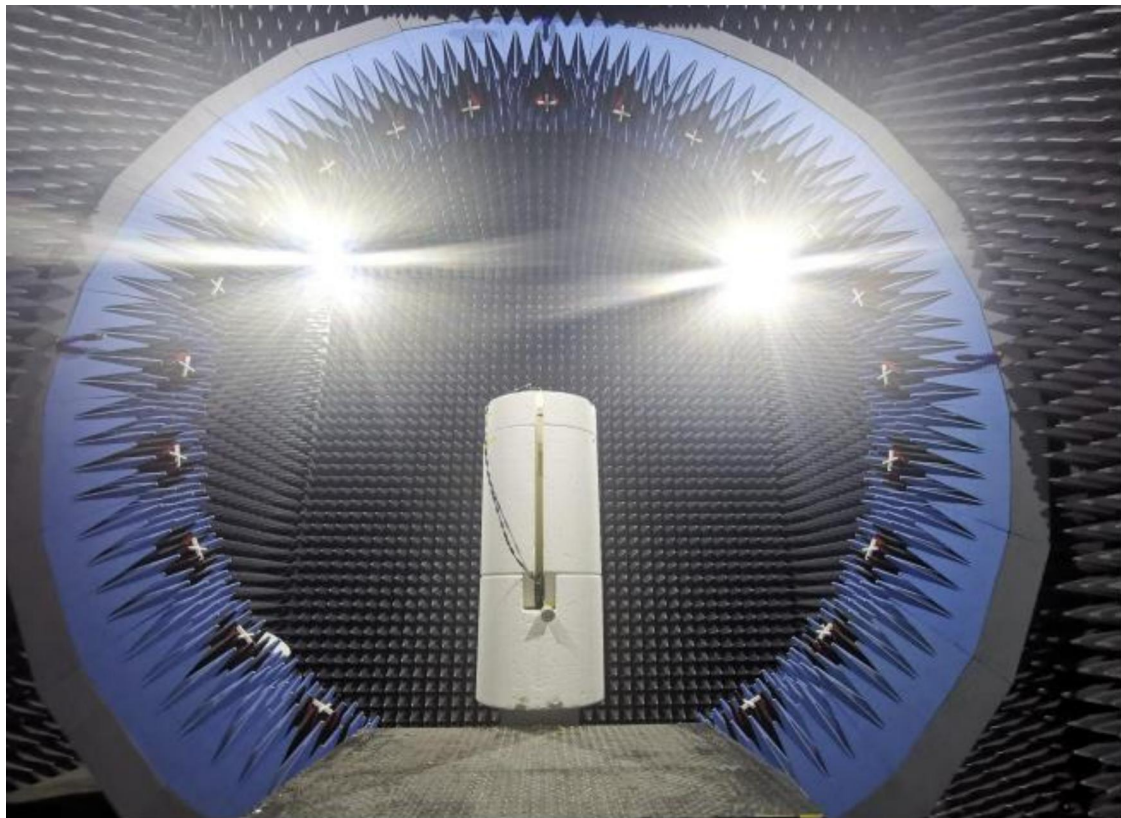
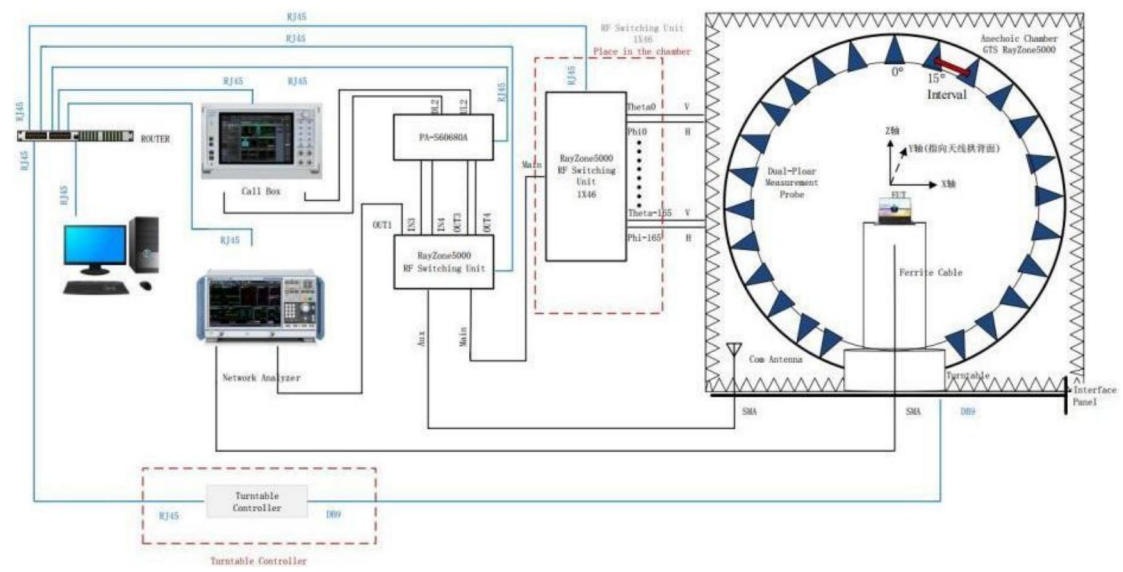
1. Ant Shape:



2. Test equipment list

| name                               | Manufacturer | Model        |
|------------------------------------|--------------|--------------|
| Network analyzer                   | KEYSIGHT     | E5071C       |
| Network analyzer                   | KEYSIGHT     | E5071C       |
| Comprehensive Measuring Instrument | R&S          | CWM500       |
| OTA test system                    | GTS          | RayZone-5000 |

### 3. Test setup

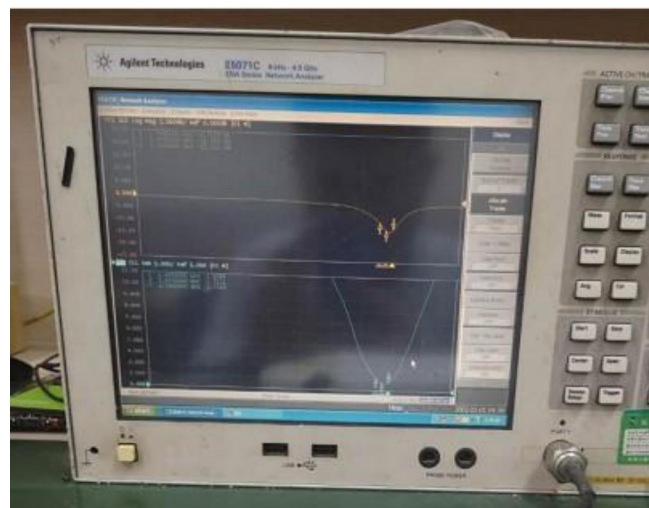


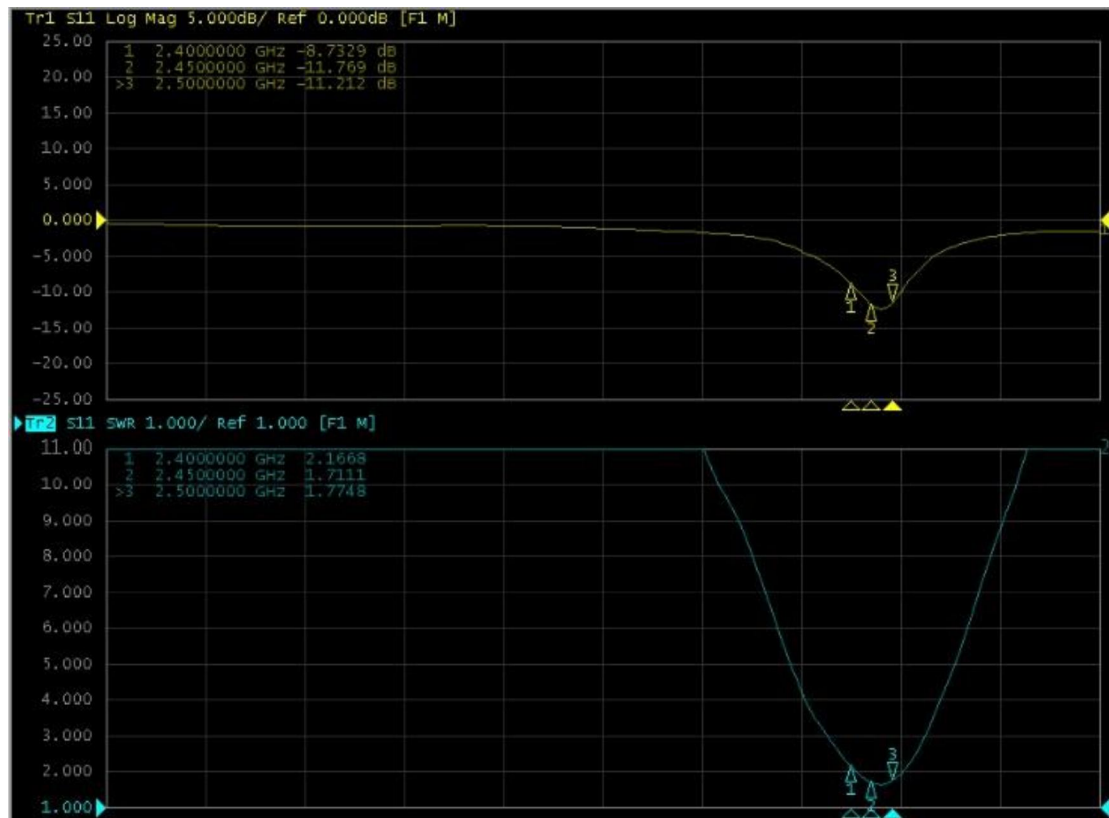
#### 4. Performance parameter

|                 |              |
|-----------------|--------------|
| Frequency range | 2400-2500MHz |
| VSWR            | $\leq 7.0$   |
| Input impedance | 50 $\Omega$  |
| Peak Gain(dBi)  | 1.65         |
| Antenna type    | Wire Antenna |
| Temperature     | -40~80       |

#### 5. VSWR Test Data

| Frequency(MHz) | Return Loss | VSWR |
|----------------|-------------|------|
| 2400           | -8.11       | 2.14 |
| 2450           | -10.87      | 1.82 |
| 2500           | -10.84      | 2.18 |

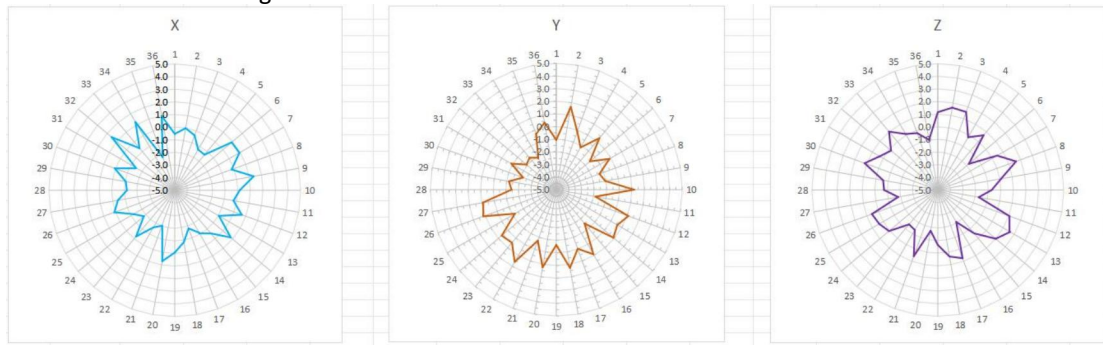




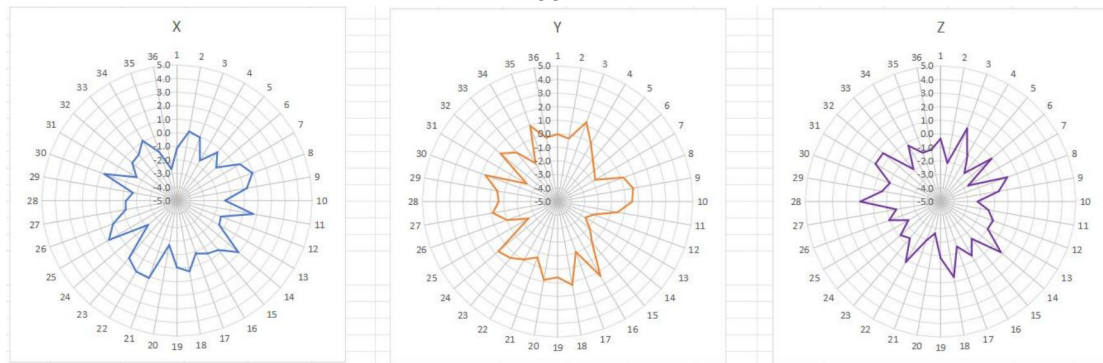
## 6. Gain and Effi

| Frequency(MHz) | Effi | Peak Gain |
|----------------|------|-----------|
| 2400           | 1.60 | 1.65      |
| 2410           | 1.26 | 1.29      |
| 2420           | 1.68 | 1.16      |
| 2430           | 1.36 | 1.04      |
| 2440           | 1.52 | 1.25      |
| 2450           | 1.24 | 1.33      |
| 2460           | 1.24 | 1.04      |
| 2470           | 1.53 | 0.90      |
| 2480           | 1.64 | 1.30      |
| 2490           | 1.26 | 0.94      |
| 2500           | 1.67 | 0.97      |

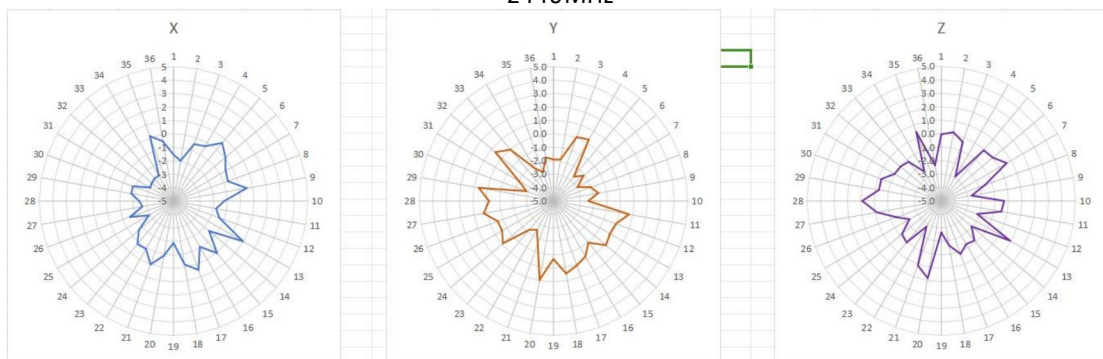
## 7. Test Directional diagram



2400MHz



2440MHz



2500MHz

-----The end-----