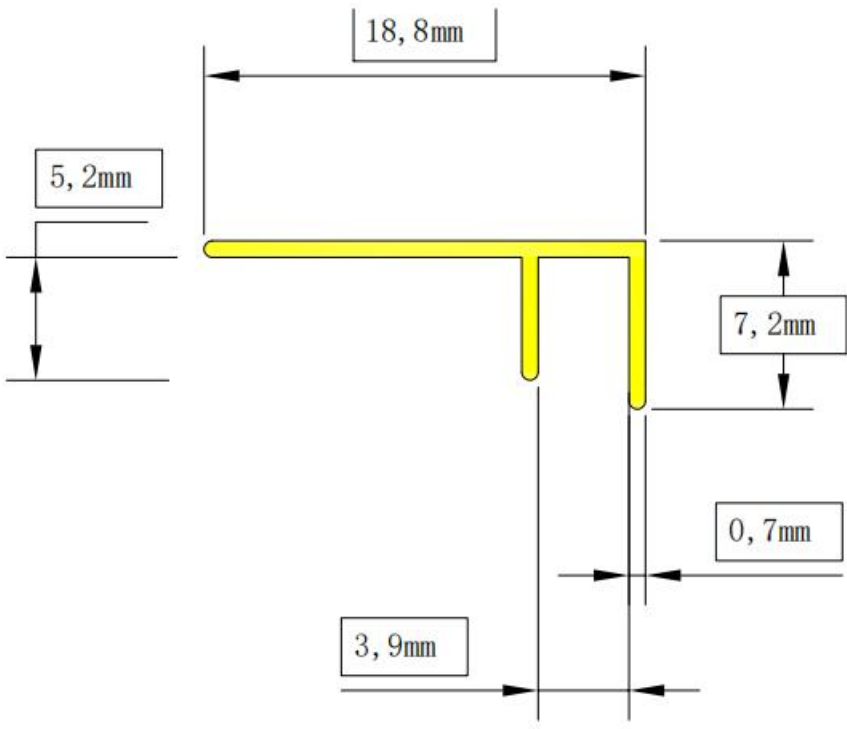


# Antenna data sheet

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| ITEM         | ANT SPEC                                                                                                |
| Model:       | 2.4G ANT                                                                                                |
| Date:        | October 16, 2024                                                                                        |
| Versions:    | V1.0                                                                                                    |
| Manufacturer | Shenzhen Xinyanxin Technology Co., LTD.                                                                 |
| Address      | 805 Room 201, Building A, No.1 Qianwan1stRoad, Qianhai<br>Shenzhen-Hong Kong Cooperation Zone, Shenzhen |

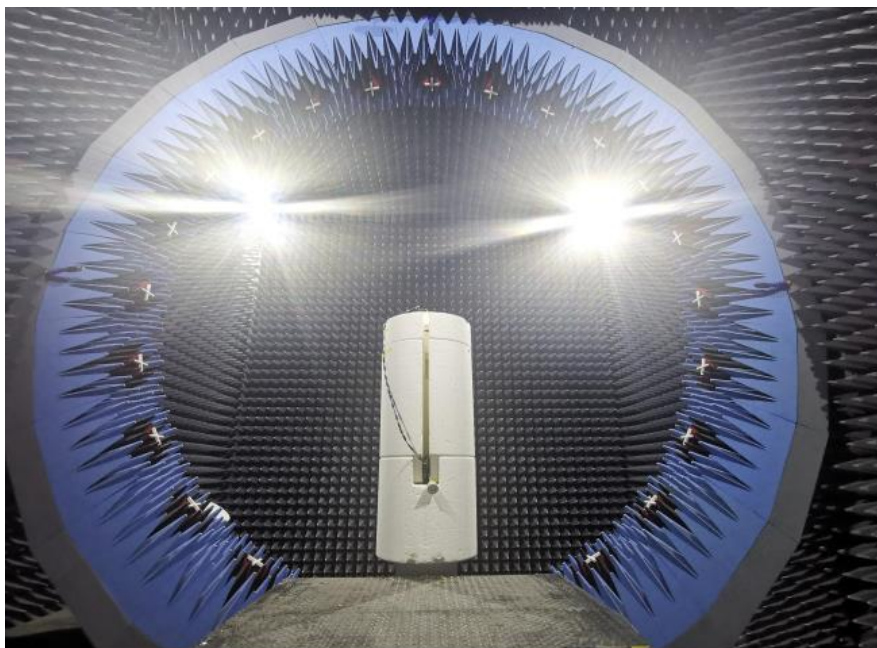
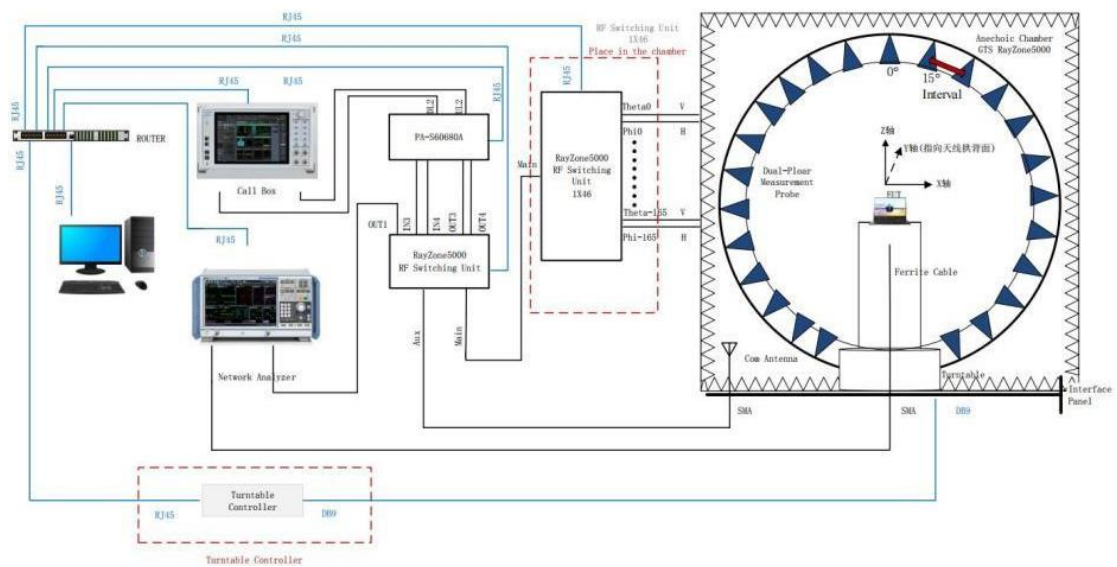
1. Ant Size:



## 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

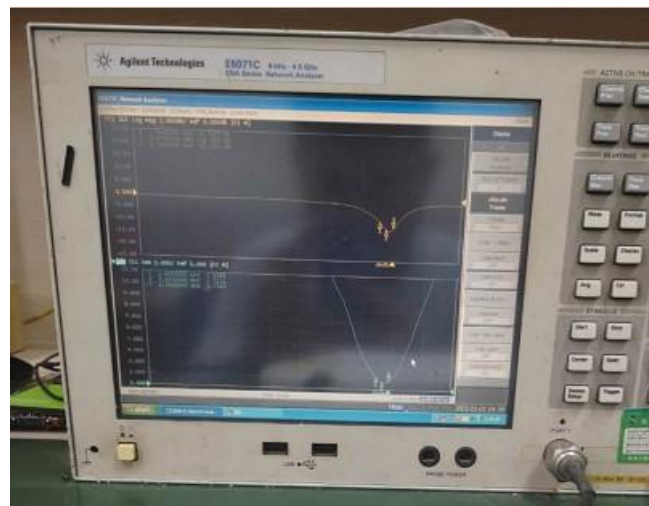


#### 4. Performance parameter

|                 |              |
|-----------------|--------------|
| Frequency range | 2400-2500MHz |
| VSWR            | $\leq 7.0$   |
| Input impedance | 50 $\Omega$  |
| Peak Gain(dBi)  | -0.01        |
| Antenna type    | PCB          |
| Temperature     | -40~80       |

#### 5. VSWR Test Data

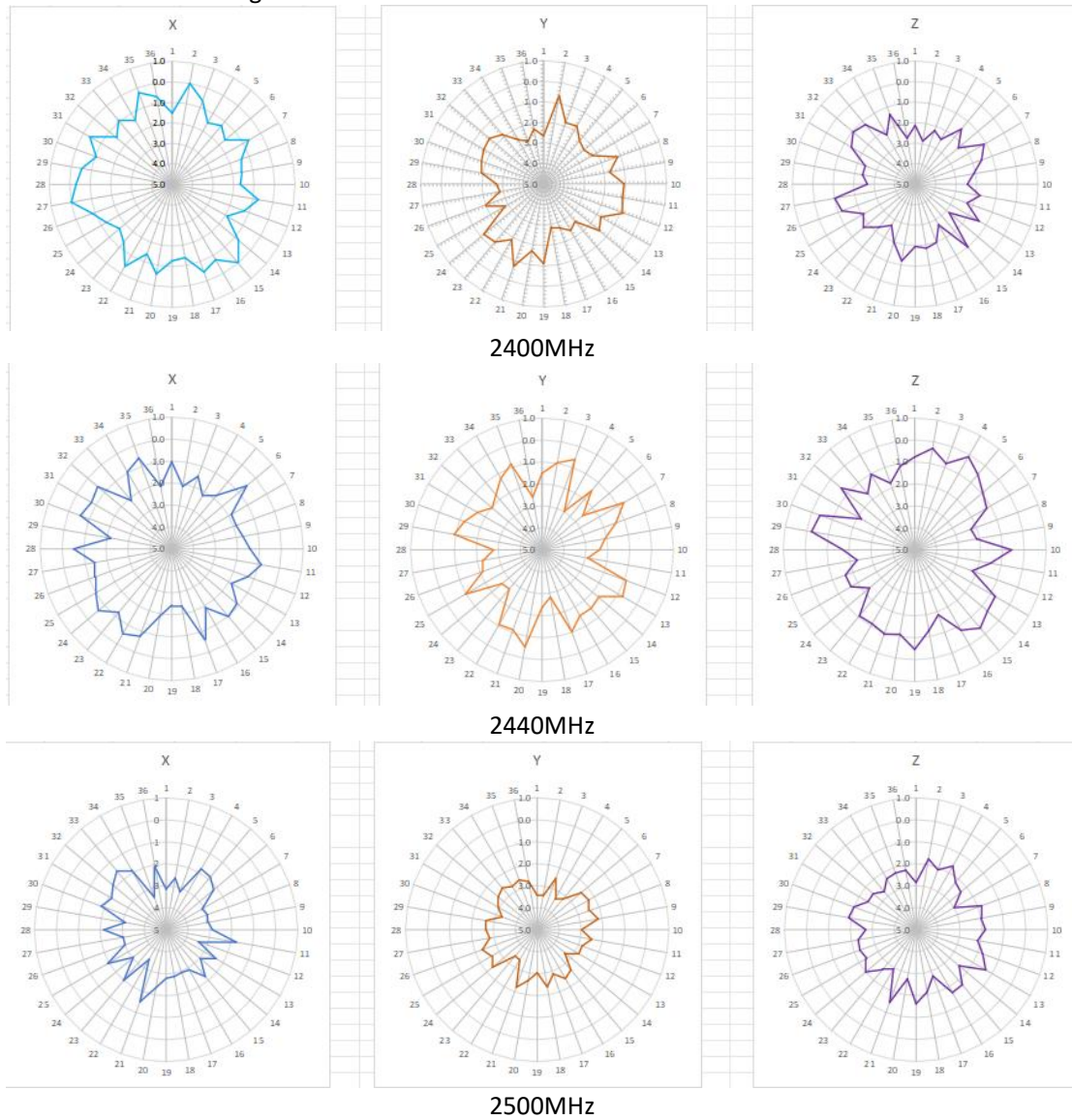
| Frequency(MHz) | Return Loss | VSWR |
|----------------|-------------|------|
| 2400           | -8.11       | 2.09 |
| 2450           | -11.62      | 2.78 |
| 2500           | -11.08      | 2.58 |



#### 6. Gain and Effi

| Frequency(MHz) | Effi | Peak Gain |
|----------------|------|-----------|
| 2400           | 1.52 | -0.01     |
| 2410           | 1.62 | -0.37     |
| 2420           | 1.41 | -0.50     |
| 2430           | 1.50 | -0.62     |
| 2440           | 1.39 | -0.41     |
| 2450           | 1.64 | -0.11     |
| 2460           | 1.20 | -0.40     |
| 2470           | 1.47 | -0.54     |
| 2480           | 1.62 | 1.27      |
| 2490           | 1.44 | -0.50     |
| 2500           | 1.66 | -1.34     |

## 7. Test Directional diagram



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