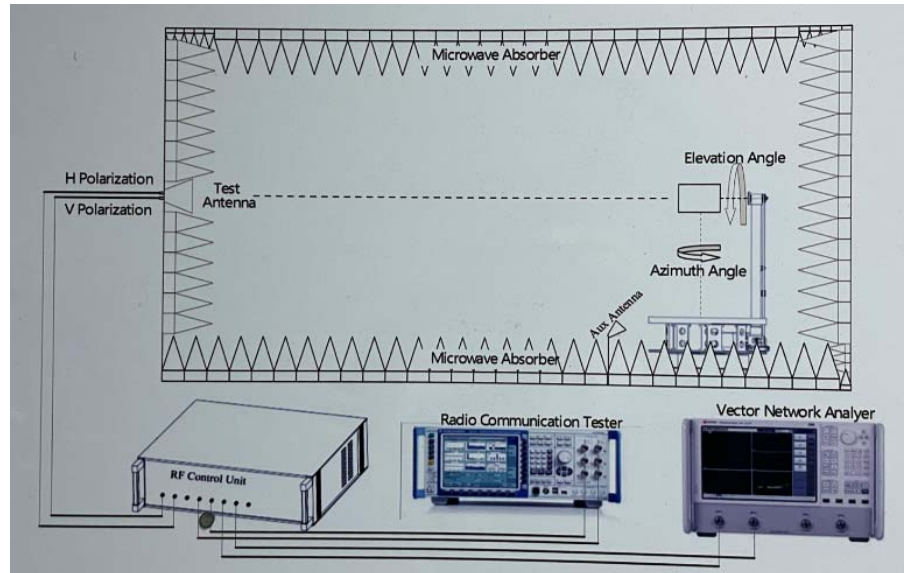


# 55H-Bar Antenna report

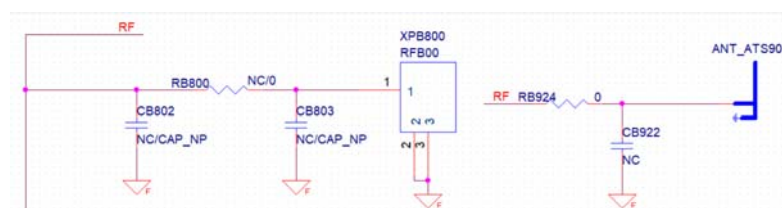
## 1. Test configuration diagram



Test step flow:

- 1) Maintain the test ambient temperature of  $23 \pm 2$  C, the instrument is powered on and preheated for more than 30 minutes;
- 2) Turn on the darkroom power supply, connect the test cable, and set up the sample according to the standard;
- 3) Outline sets the test content objectives and conducts calibration tests;
- 4) Run the software, when the test is completed, export the corresponding test diagram and test data, and save to the corresponding directory.

## 2. Antenna Matching circuit

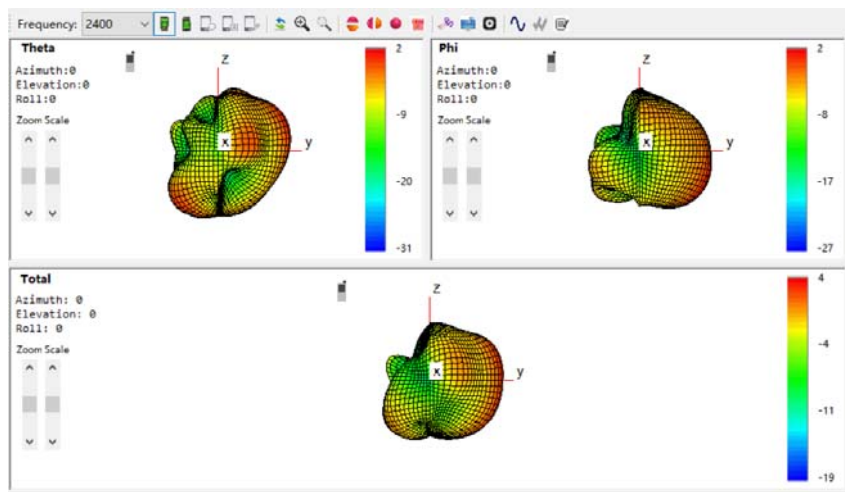


### 3. Antenna gain

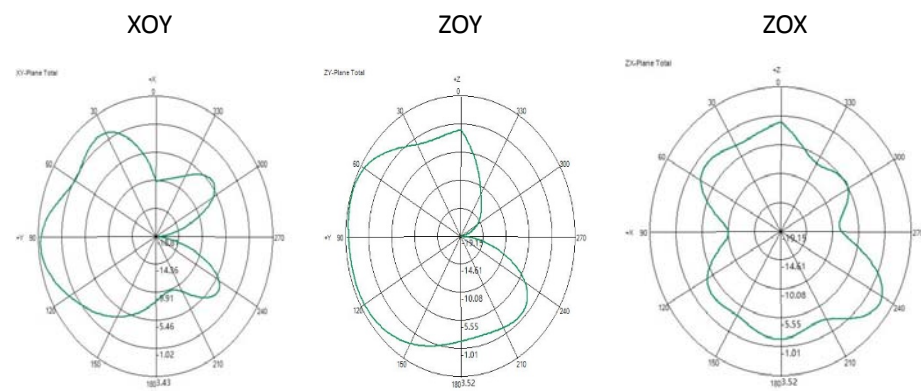
| Freq(MHz) | Efficiency(dB) | Efficiency(%) | Gain(dB) |
|-----------|----------------|---------------|----------|
| 2400      | -2.09          | 61.78         | 3.06     |
| 2410      | -2.24          | 59.71         | 2.91     |
| 2420      | -2.18          | 60.57         | 3.16     |
| 2430      | -2.26          | 59.39         | 3.21     |
| 2440      | -2.43          | 57.21         | 3.14     |
| 2450      | -2.79          | 52.56         | 2.87     |
| 2460      | -2.97          | 50.51         | 2.77     |
| 2470      | -3.02          | 49.91         | 2.99     |
| 2480      | -3.2           | 47.82         | 2.67     |

### 4. Antenna test data

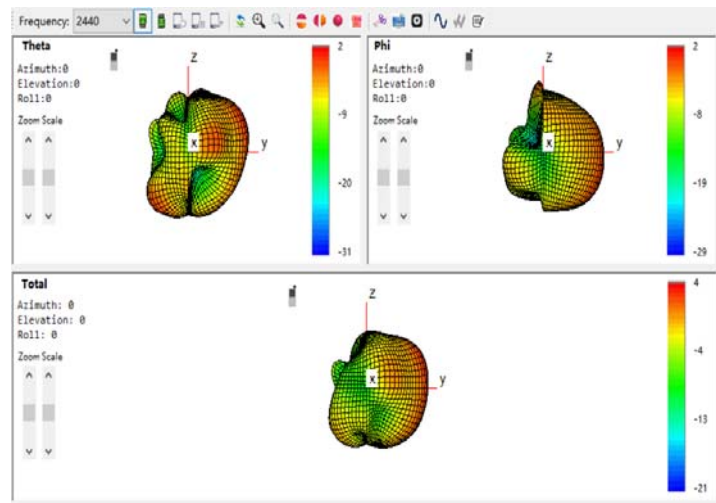
2400MHz



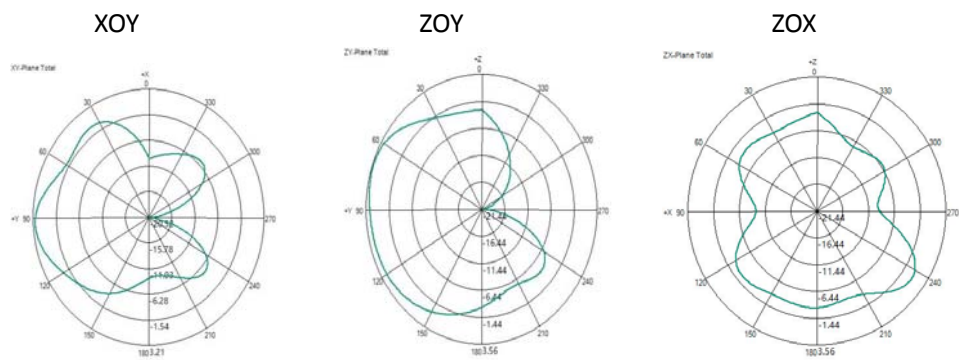
2400MHz



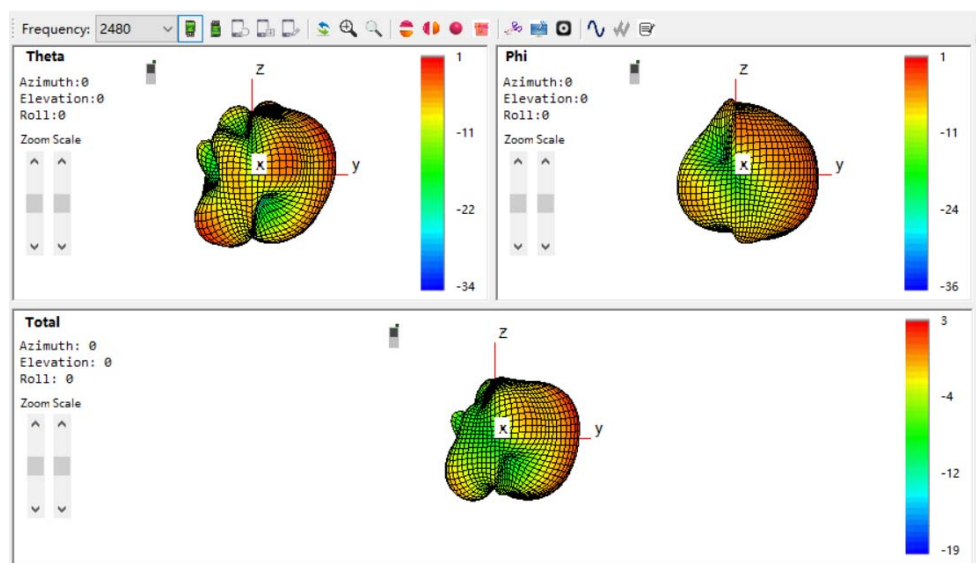
2440MHz



2440MHz

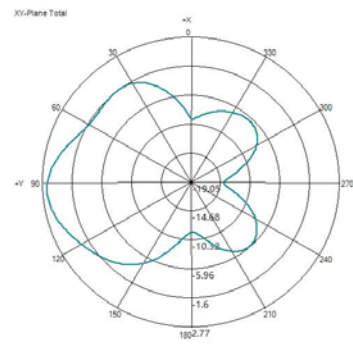


2480MHz

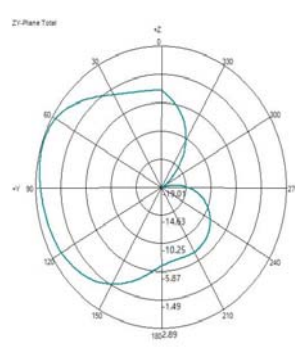


2480MHz

XOY



ZOY



ZOX

