

A25

## Antenna Specifications

## ► Contents ◀

### 1 Electronic Specification

#### 1.1 Top Antenna

##### 1.1.1 VSWR & Gain

#### 1.2 BTM Antenna

##### 1.2.1 VSWR & Gain

### 2 Test Condition

#### 2.1 Test Environment (Condition/Method)

### 3 Antenna Description

#### 3.1 Type

#### 3.2 Model number

### 4 List of Measuring Equipment

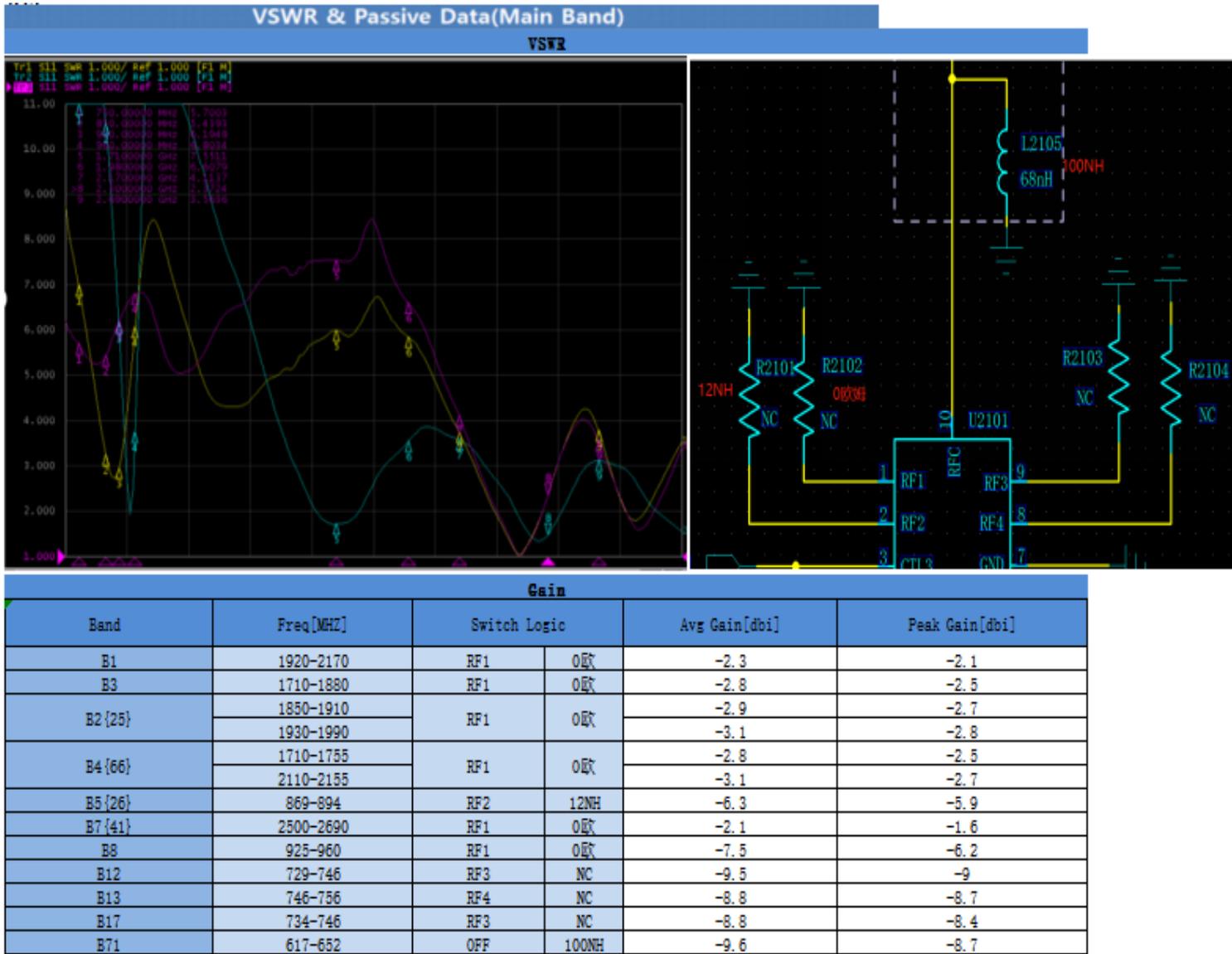
### 5 Manufacturer

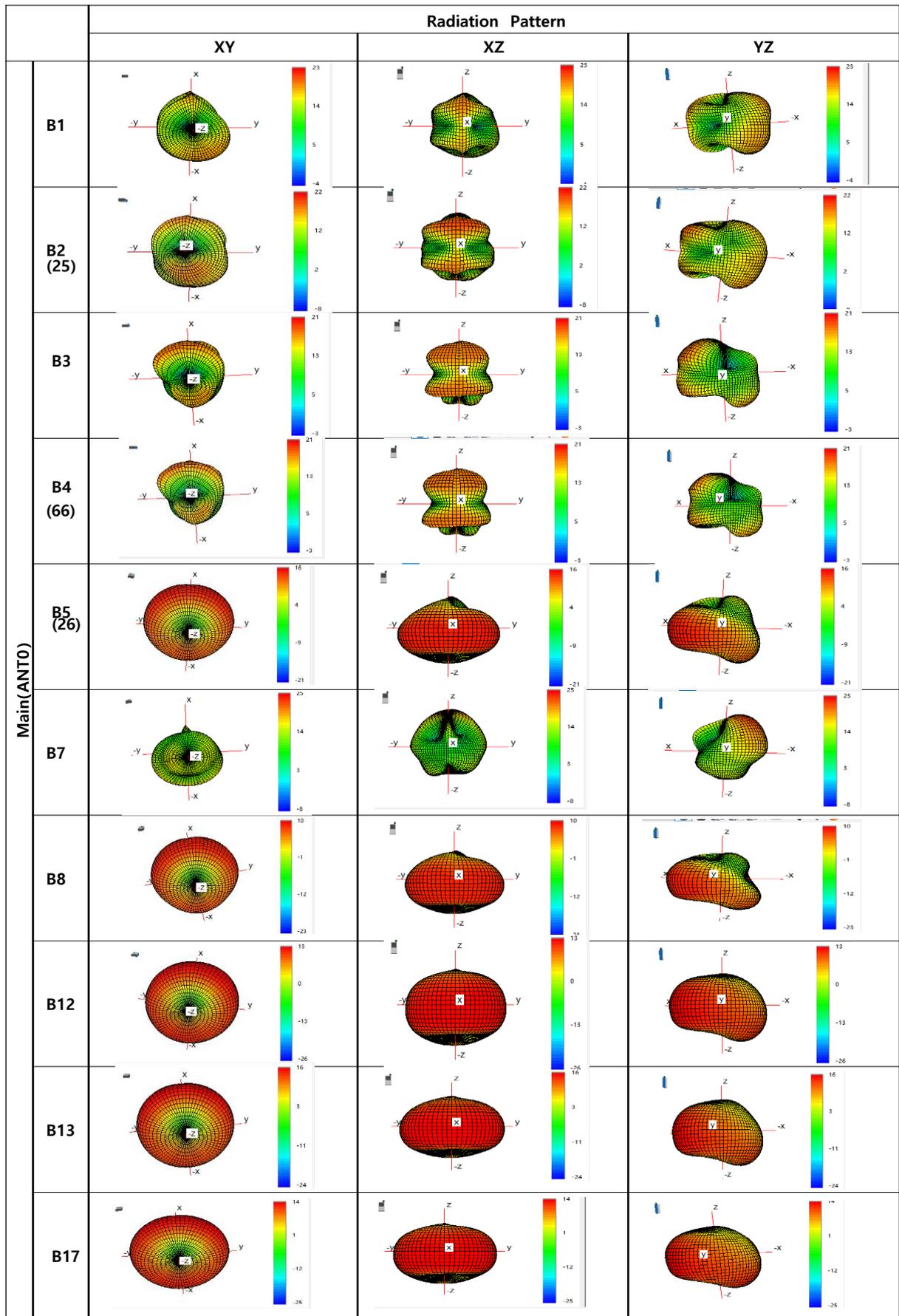
# 1 Electronic Specification

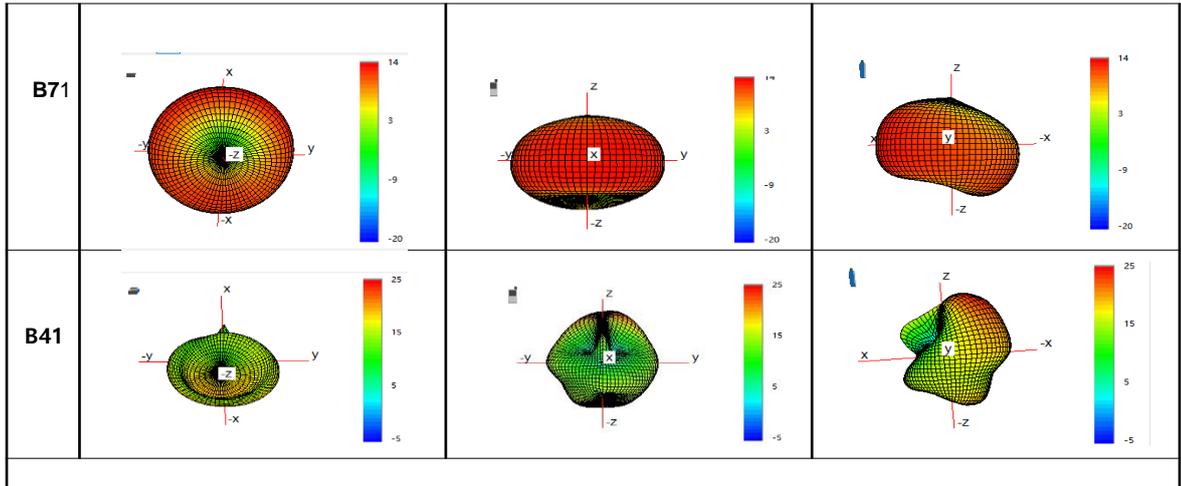
## 1.1 Top Antenna

### 1.1.1 VSWR & Gain

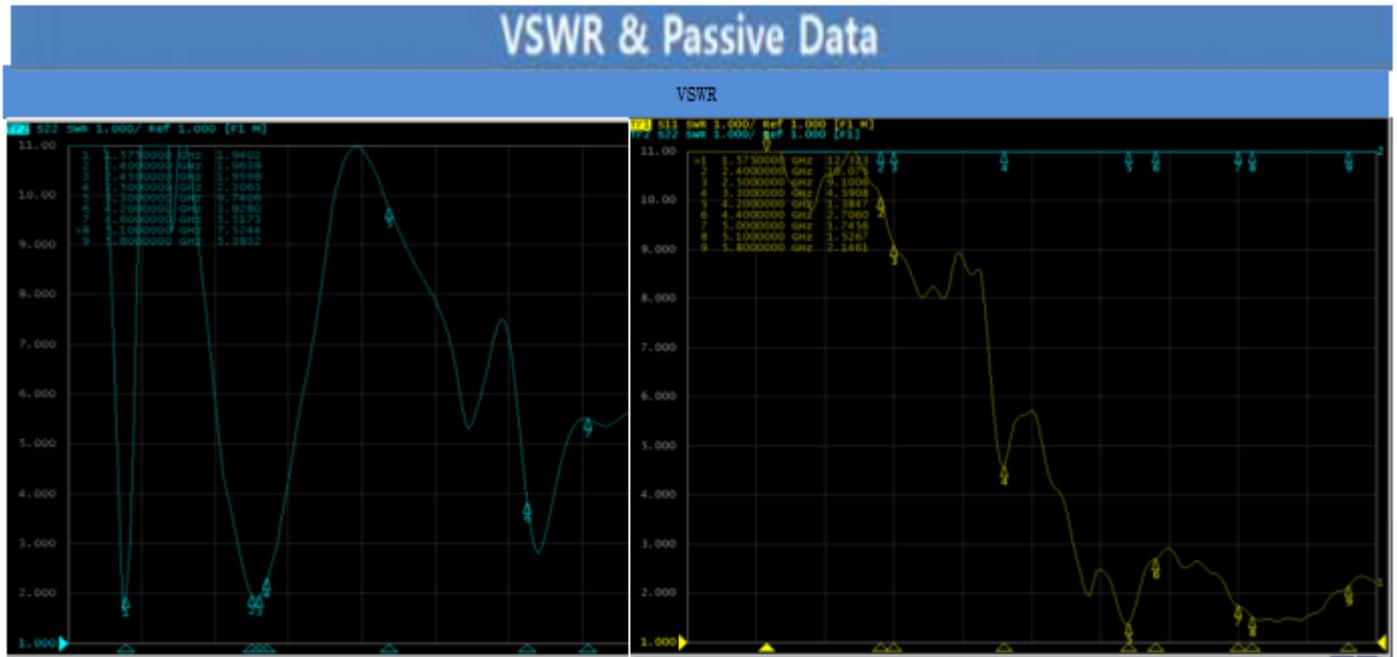
① DRX Passive Data (ANT2)





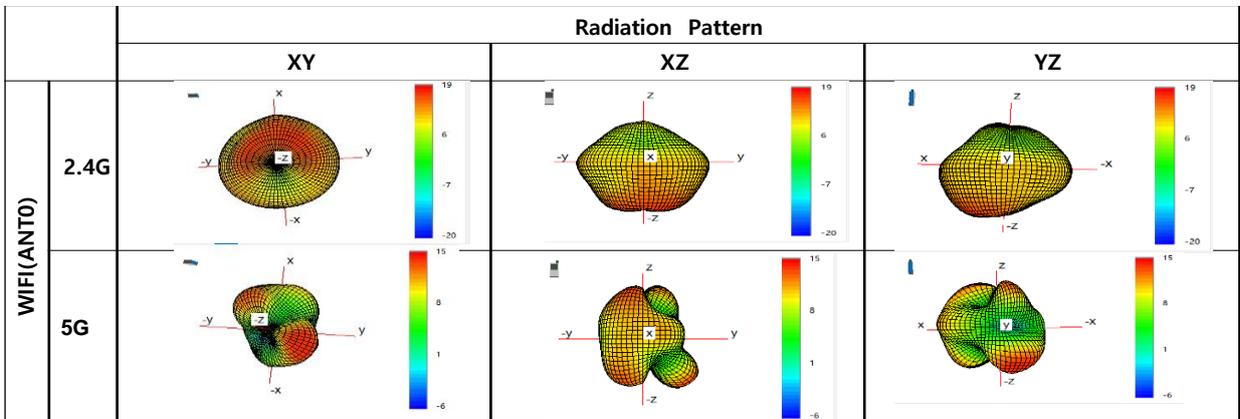


②WIFI Passive Data (ANT0+ANT1)



### Gain

| Band | Freq[MHZ] | Switch Logic | Avg Gain[dBi] | Peak Gain[dBi] |
|------|-----------|--------------|---------------|----------------|
| 2.4G | 2400-2500 | -            | -1.5          | -1.2           |
| 5G   | 5.1G-5.8G | -            | -1.4          | -1             |



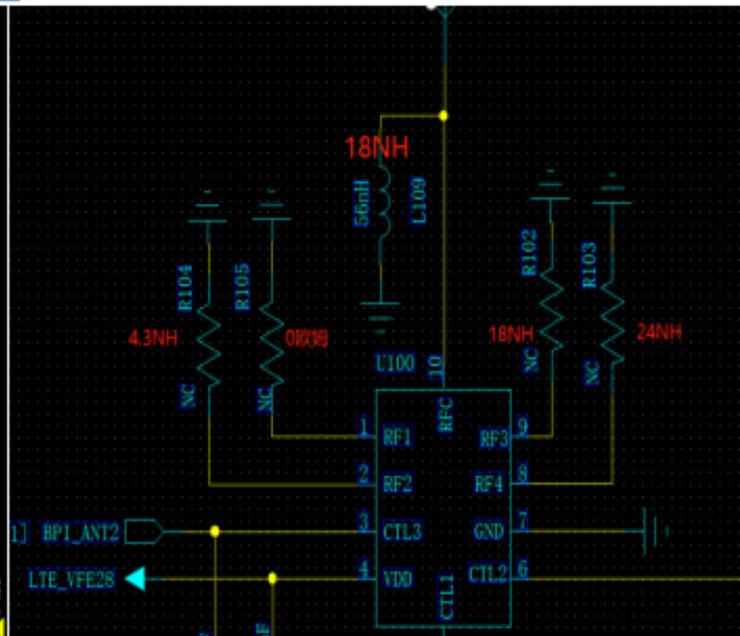
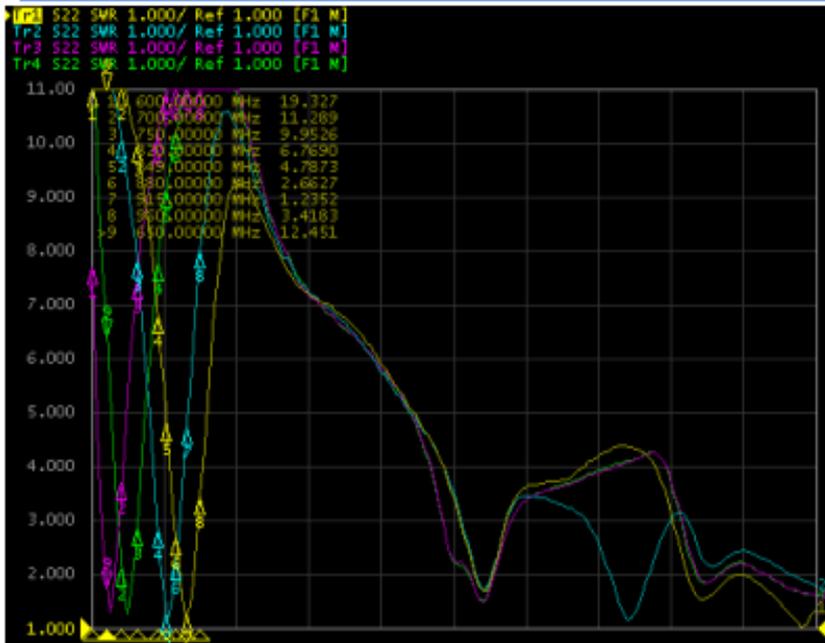
## 1.2 BTM Antenna

### 1.2.1 VSWR & Gain

① Main Passive Data  
(ANT3)

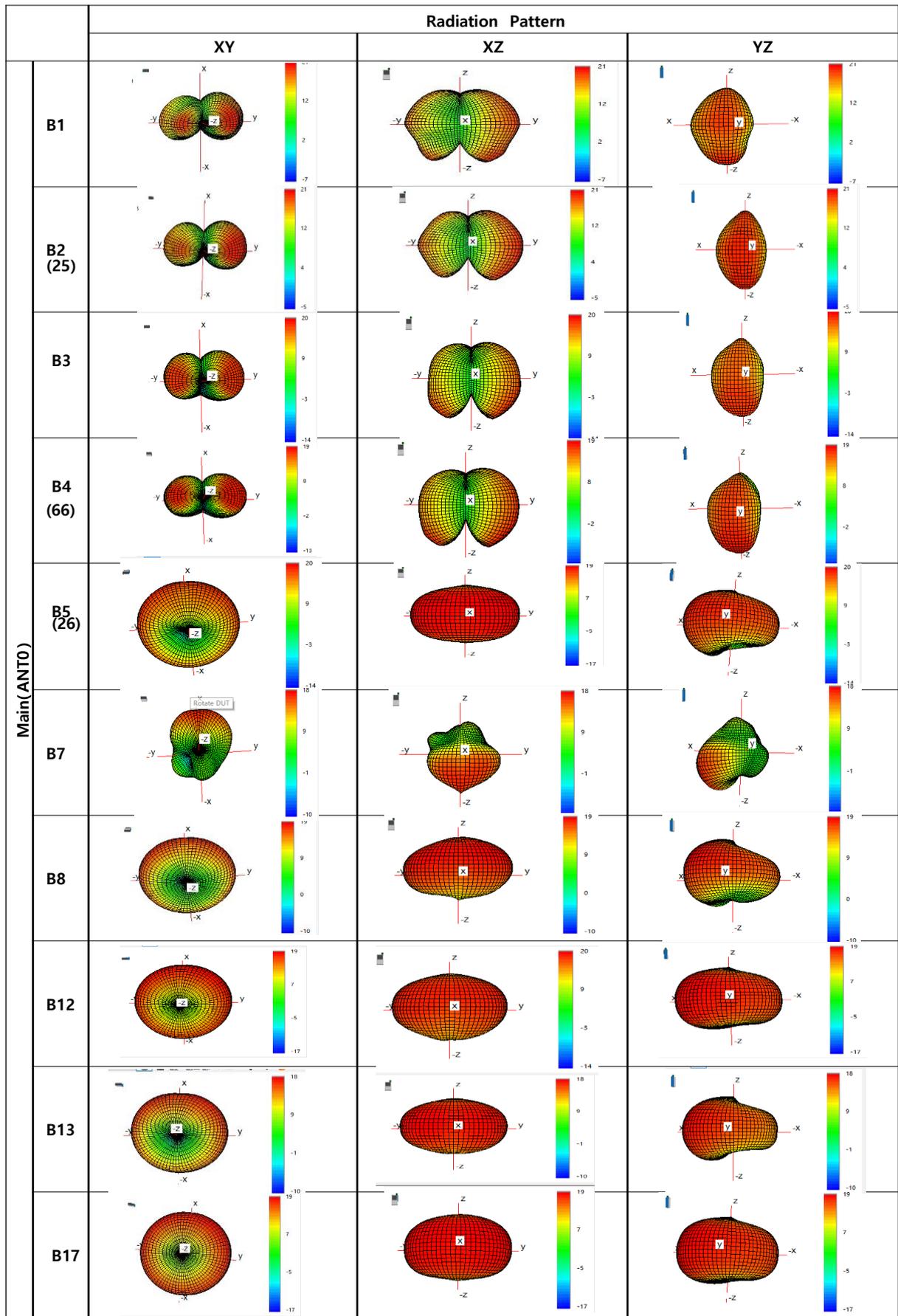
#### VSWR & Passive Data

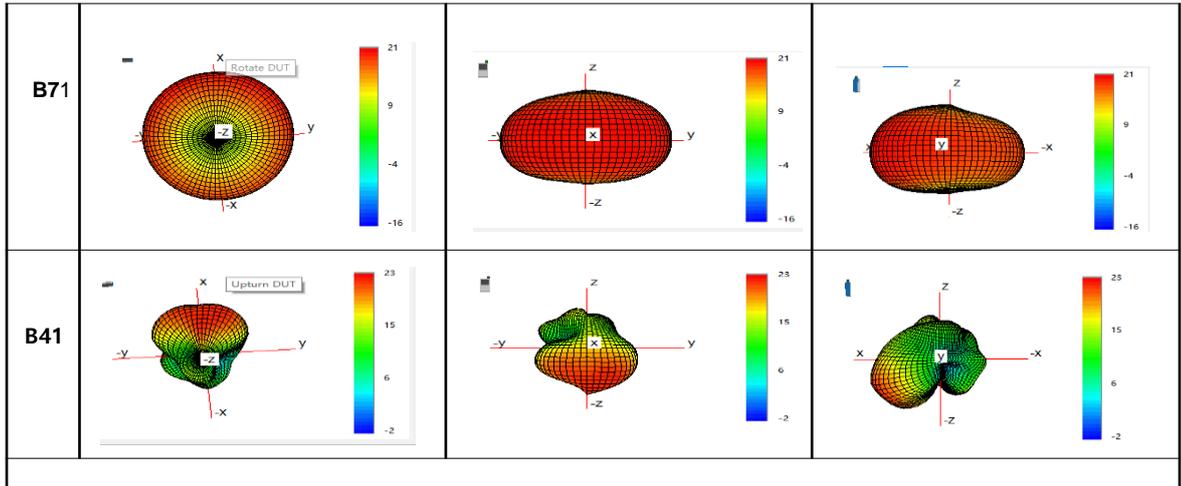
##### VSWR



##### Gain

| Band    | Freq[MHZ] | Switch Logic | Avg Gain[dBi] | Peak Gain[dBi] |      |
|---------|-----------|--------------|---------------|----------------|------|
| B1      | 1920-2170 | RF1          | 0Ω            | -1.5           | -1.2 |
| B3      | 1710-1880 | RF1          | 0Ω            | -1.8           | -1.5 |
| B2 {25} | 1850-1910 | RF1          | 0Ω            | -1.7           | -1.2 |
|         | 1930-1990 |              | -1.8          | -1.3           |      |
| B4 {66} | 1710-1755 | RF1          | 0Ω            | -1.9           | -1.5 |
|         | 2110-2155 |              | -2.1          | -1.6           |      |
| B5 {26} | 824-894   | RF2          | 4.3NH         | -3.5           | -3.2 |
| B7 {41} | 2500-2690 | RF1          | 0Ω            | -2.1           | -1.2 |
| B8      | 880-960   | RF1          | 0Ω            | -3.3           | -2.9 |
| B12     | 699-746   | RF3          | 24NH          | -4.1           | -3.5 |
|         | 777-787   |              | 18NH          | -4.2           | -3.7 |
| B13     | 746-756   | RF4          | 18NH          | -4.4           | -3.8 |
|         | 704-746   |              | 24NH          | -4.1           | -3.7 |
| B71     | 617-652   | OFF          | 18N           | -4.3           | -3.7 |
|         | 663-698   |              | 18N           | -4.5           | -3.9 |





## 2 Test Condition

### 2.1 Test Environment (Condition/Method)

#### ① Voltage Standing Wave Ratio(VSWR)

Step 1. Set the frequency range after connect 50cm cable to Network analyzer.

Step 2. Connect Calibration Kit to Network analyzer and calibrate.

Step 3. Fix the cable and keep separation distance over 30cm for reducing effect by Network analyzer.

Step 4. Fix insulator over 5cm on the bottom of measuring antenna.

Step 5. Measure VSWR with setting marker of desired frequency.

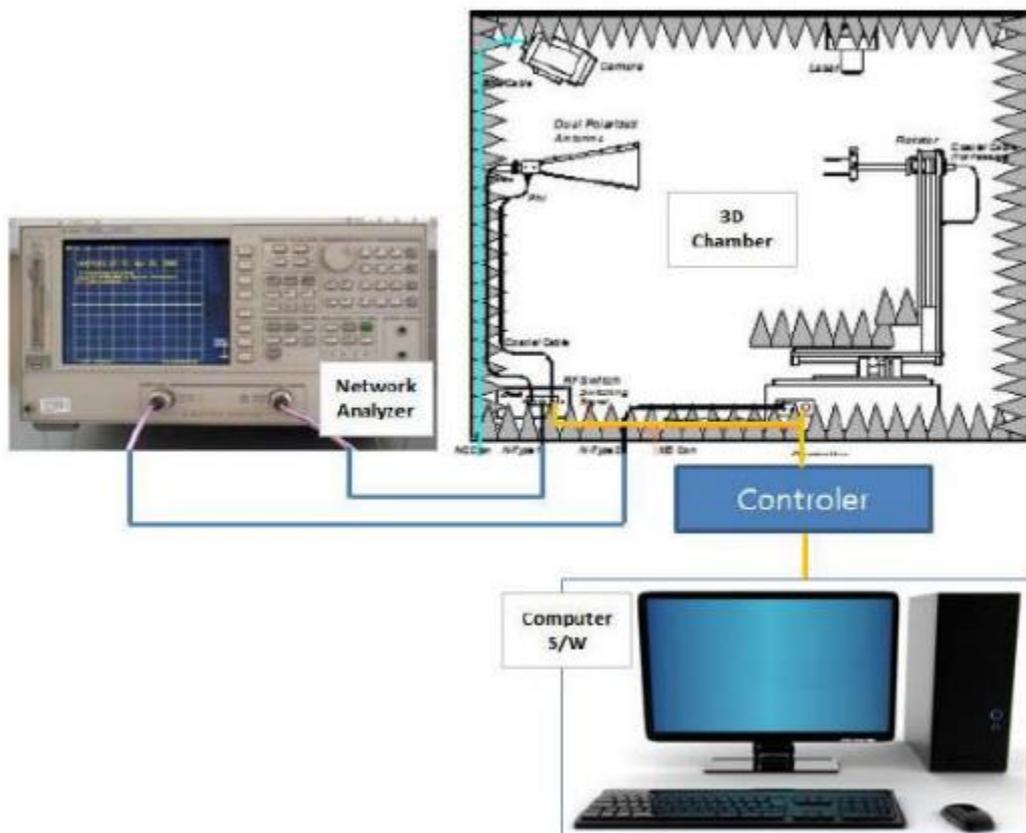


## ② Radiation & Gain

Step 1. Calibrate the Chamber system using Horn antenna, and set up the software to control the Chamber system at the same time.

Step 2. Keep the measuring antenna to holder.

Step 3. Measure Gain & efficiency.

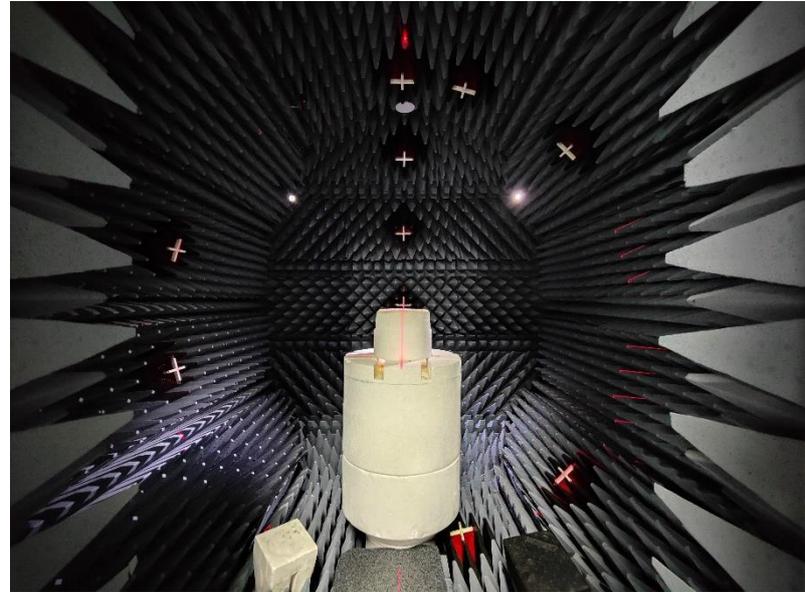
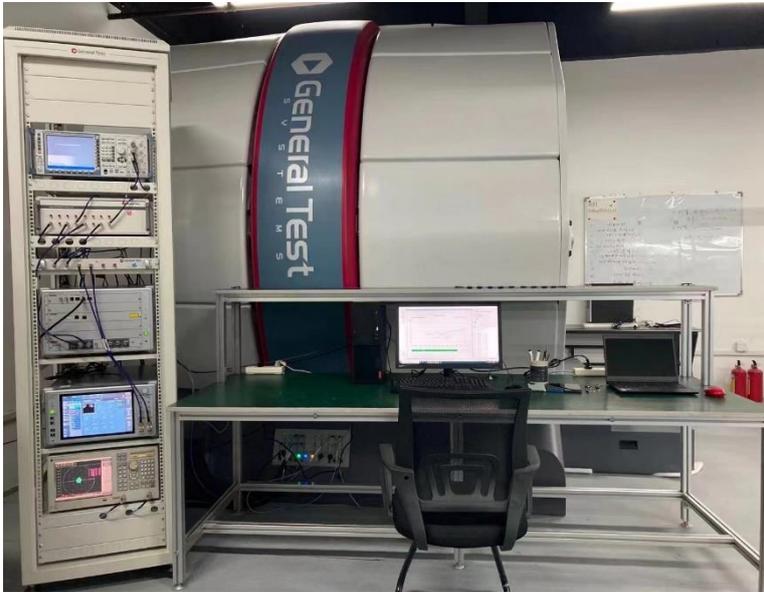


### 3 Antenna description

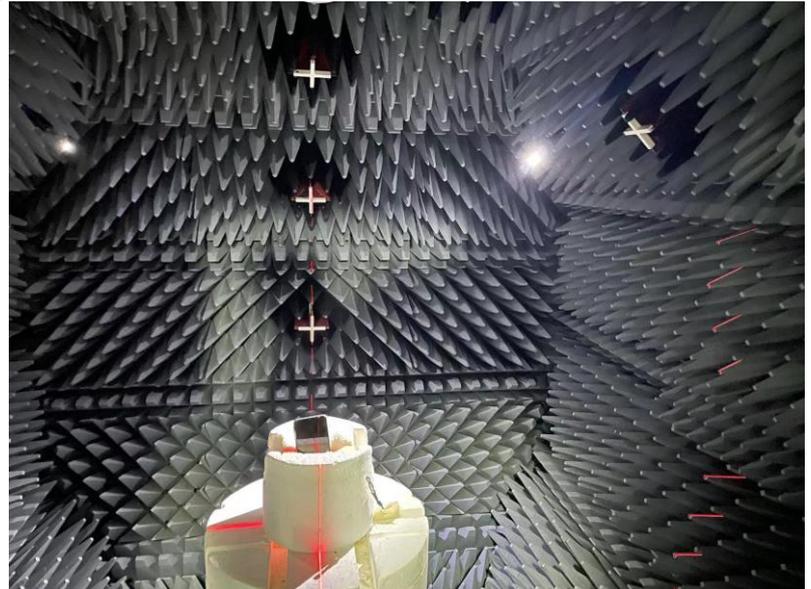
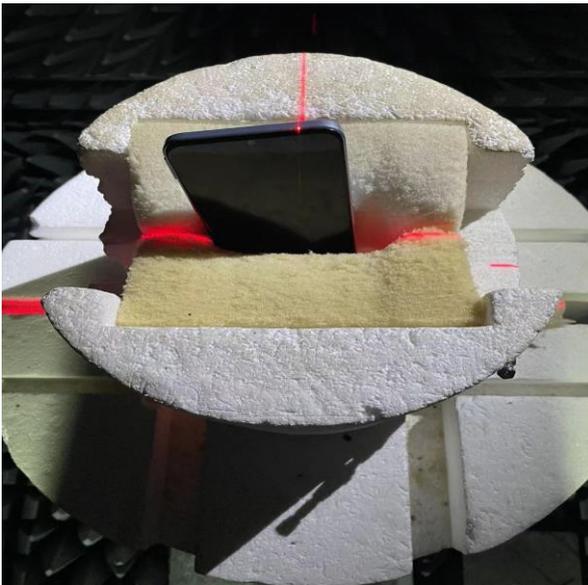
Type : PIFA

### 4 List of Measuring Equipment

#### Multi-Probe OTA Measurement System



DUT setup photo of free space OTA testing



### 5 Manufacturer

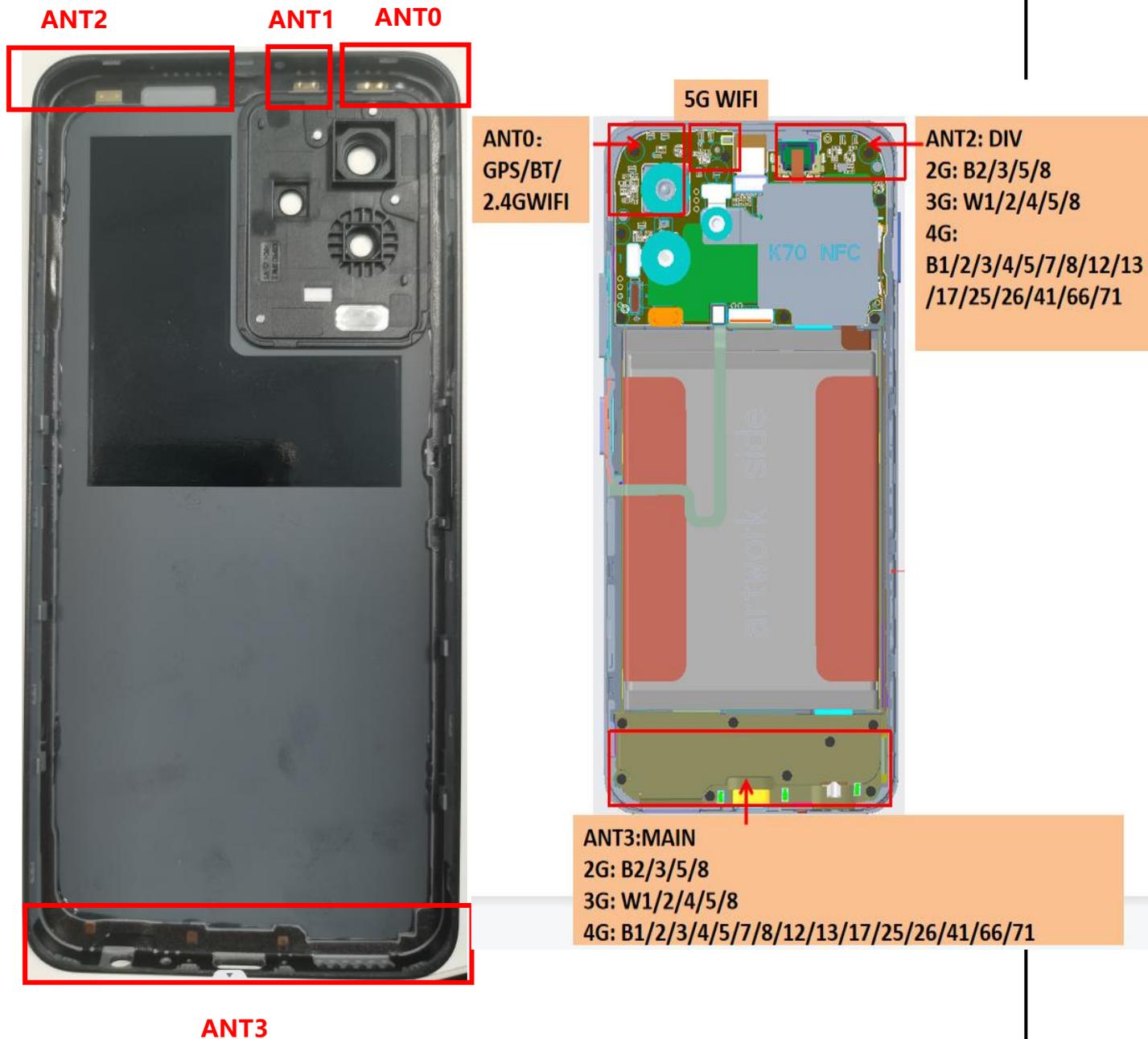
|           |  |
|-----------|--|
| Name      | shenzhen Fu Bang Wireless Technical Limited Company  |
| Address   | 3th Floor, Building T1, Lianjian Industrial Park,Huaxing Road, longhuadalang District,Shenzhen |
| Tel       | 13691727201  |
| E-mail    | eting2007@163.com  |
| Equipment | GTS2800  |

|            |     |                     |         |               |            |
|------------|-----|---------------------|---------|---------------|------------|
| Model Name | A25 | Coosea Group Co,ltd | Fu Bang | Part Number   | ALDMARG    |
| Revision   | 1.0 |                     |         | Revision date | 2023-07-20 |

## 2. Product Specification

### 2.1 EUT appearance

Specification FPC



|            |     |                       |         |               |            |
|------------|-----|-----------------------|---------|---------------|------------|
| Model Name | A25 | Coosea Group Co.,Ltd. | Fu Bang | Part Number   | ALDMARG    |
| Revision   | 1.0 |                       |         | Revision date | 2023-07-20 |

## 2.Product Specification

### 2.2 Size and shape\_Pattern

