

C58 Antenna

Specifications

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1.1 Wifi Antenna

1.1.1 Antenna type

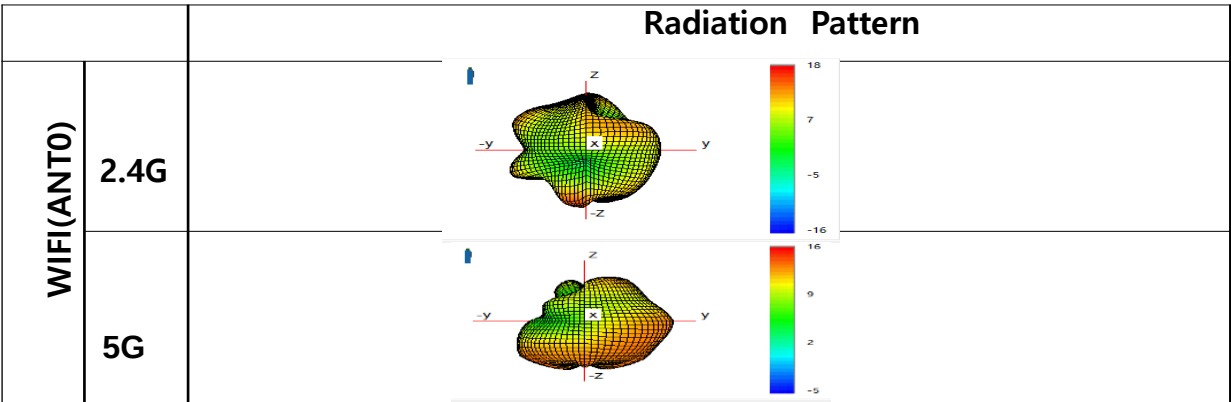
Internal antenna

1.1.2 Gain

| BAND       | Freq[MHZ] | Avg Gain (dbi) | PEAK Gain[dbi] | TX ANT |
|------------|-----------|----------------|----------------|--------|
| WIFI2.4/BT | 2402-2480 | -5.2           | -1             | ANT2   |

| BAND    | Freq[MHZ] | Avg Gain[dbi] | PEAK Gain[dbi] | TX ANT |
|---------|-----------|---------------|----------------|--------|
| WIFI 5G | 5150-5850 | -5            | -1.2           | ANT2   |

1.1.3 Radiation Pattern



## 1.2 Cellular Antenna

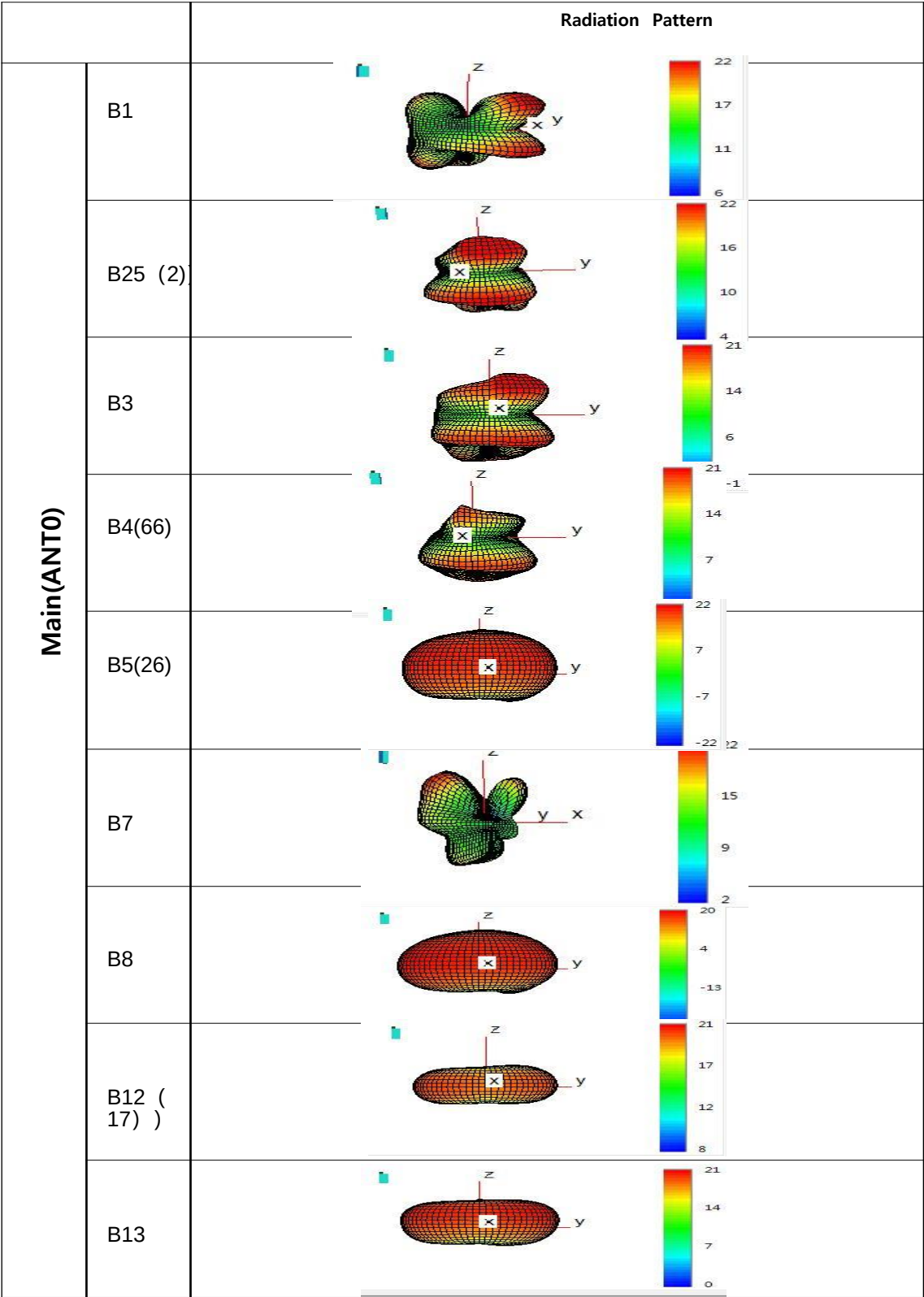
### 1.2.1 Antenna type

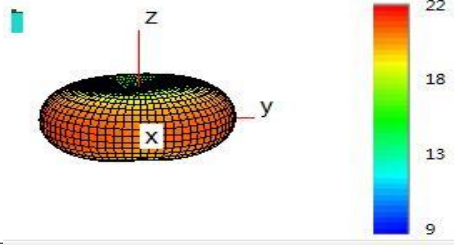
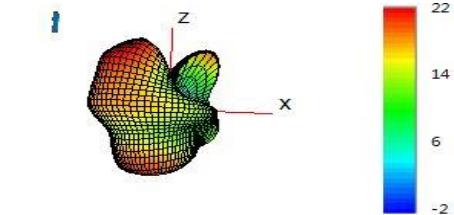
Internal antenna

### 1.2.2 Gain

| BAND    | Freq[MHZ] | Avg Gain[dbi] | PEAK Gain[dbi] | TX ANT |
|---------|-----------|---------------|----------------|--------|
| B1      | 1920-2170 | -5            | -2.5           | ANTO   |
| B25(2)  | 1850-1995 | -5.3          | -1.5           | ANTO   |
| B3      | 1710-1880 | -5.4          | -2.3           | ANTO   |
| B66(4)  | 1710-2180 | -5.3          | -2.3           | ANTO   |
| B26(5)  | 814-894   | -7.4          | -3.5           | ANTO   |
| B7      | 2500-2690 | -5            | -3.8           | ANTO   |
| B8      | 880-960   | -7.6          | -2.9           | ANTO   |
| B12(17) | 699-746   | -7.1          | -3.7           | ANTO   |
| B13     | 746-787   | -7.2          | -3.3           | ANTO   |
| B28     | 703-803   | -7.6          | -3.7           | ANTO   |
| B41(38) | 2500-2690 | -5.8          | -1.2           | ANTO   |
|         |           |               |                |        |

1.2.3 Radiation Pattern



|  |          |                                                                                    |  |
|--|----------|------------------------------------------------------------------------------------|--|
|  | B28      |  |  |
|  | B41 (38) |  |  |

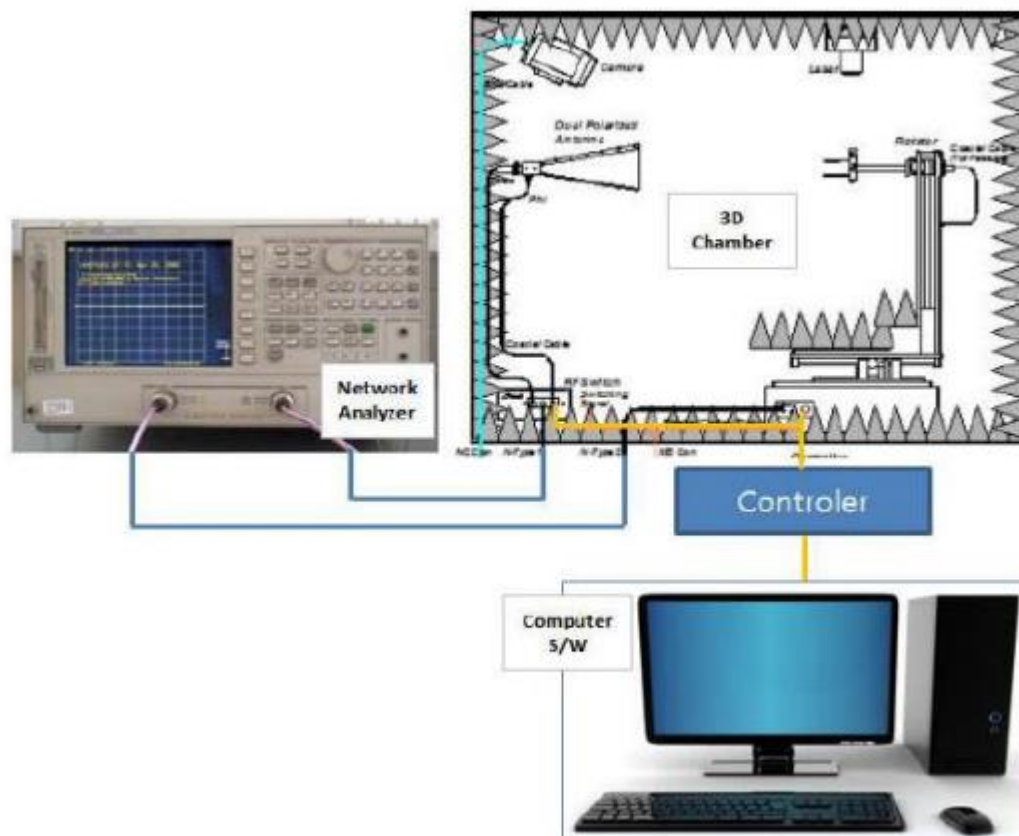
## 2 Test Condition

### 2.1 Test Environment (Condition/Method 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.

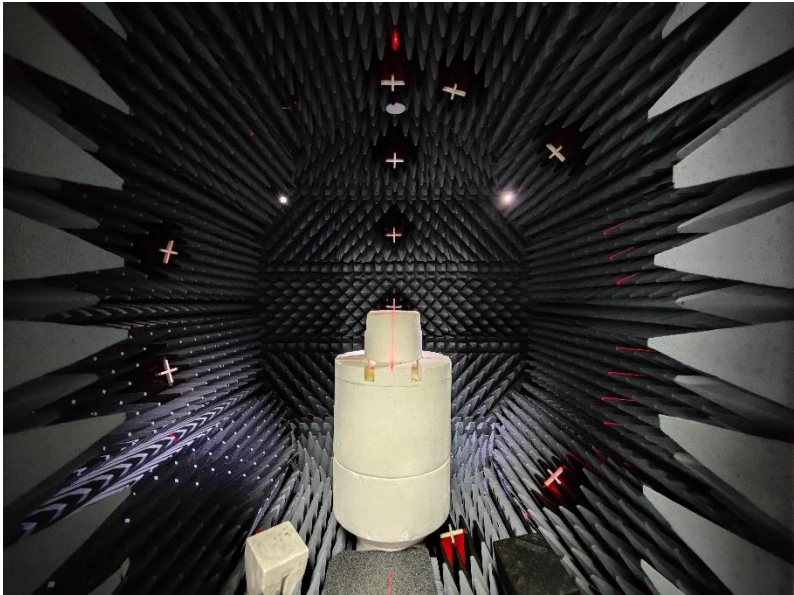
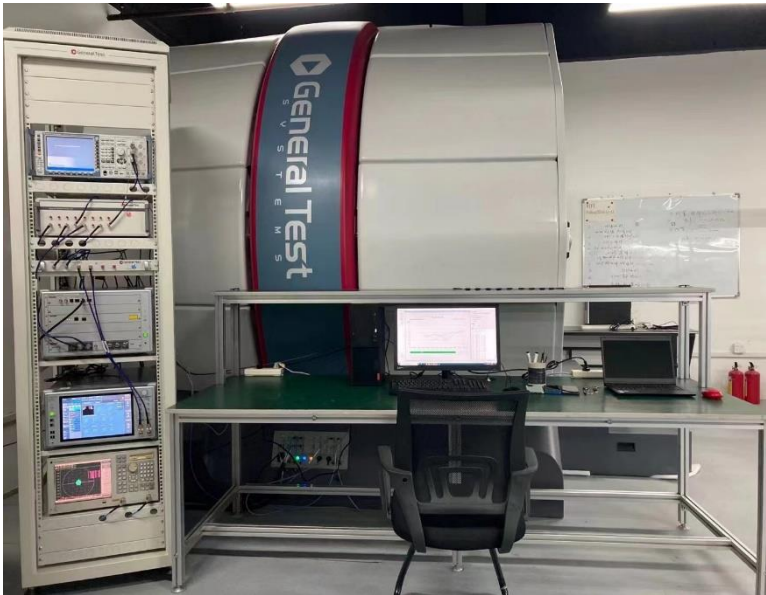


3 Antenna description

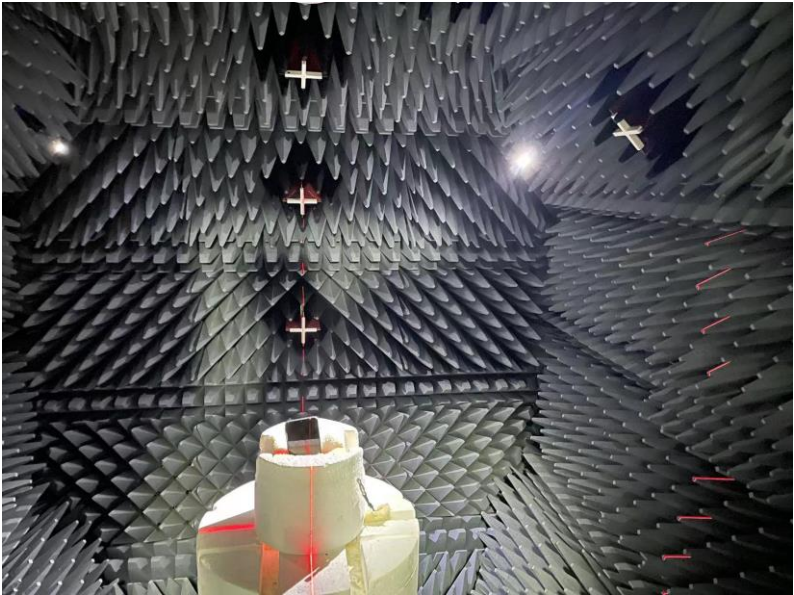
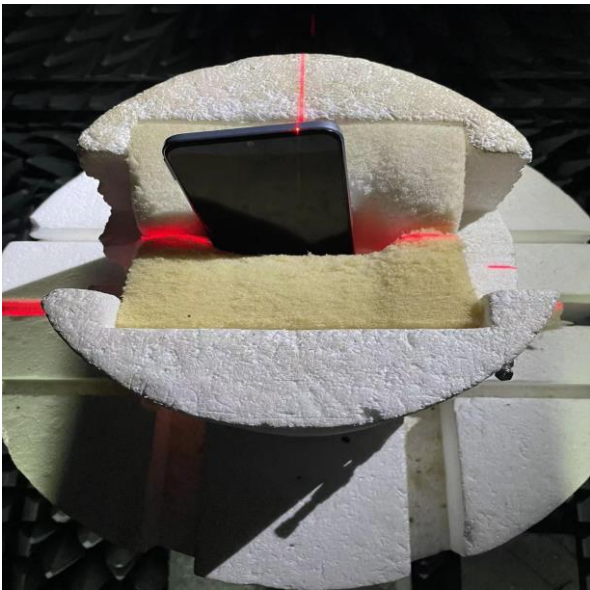
Type : Internal Antenna

4 List of Measuring Equipment

Multi-Probe OTA Measurement System



DUT setup photo of free space OTA testing



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|           |                                                                                                |
|-----------|------------------------------------------------------------------------------------------------|
| Name      | shenzhen Fu Bang Wireless Technical Limited Company                                            |
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| E-mail    | eting2007@163.com                                                                              |
| Equipment | GTS2800                                                                                        |



|            |     |                       |         |               |            |
|------------|-----|-----------------------|---------|---------------|------------|
| Model Name | K50 | Coosea Group Co.,Ltd. | Fu Bang | Part Number   | ALDMARG    |
| Revision   | 1.0 |                       |         | Revision date | 2024-05-24 |

5.2.Product Specification

5.2.1 Size and shape\_Pattern

