

## Antenna test report

|                 |                                                                                                                                             |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Test Laboratory | Dongguan Yijia Electronic Co., LTD                                                                                                          |
| Address         | No. 59 Muyu Road, Shatou Community, Chang 'an Town, Dongguan<br>City, Guangdong Province                                                    |
| Manufacturer    | Shenzhen Qianyan Technology LTD                                                                                                             |
| Address         | No.3301, Block C, Section 1, Chuangzhi Yuncheng Building, Liuxian<br>Avenue, Xili Community, Xili Street, Nanshan District, Shenzhen, China |
| Contact:        | Mr. Gan 13823198410                                                                                                                         |
| Model           | H7094                                                                                                                                       |

### 1. Test procedures

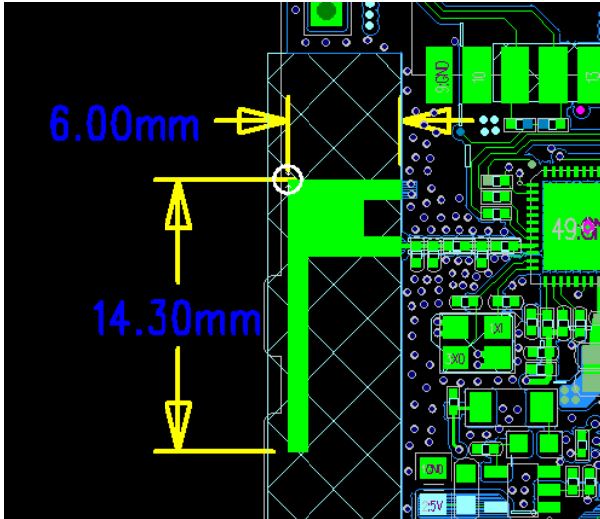
| Name                         | Parameter            | Method                                                               | Standard No.           |
|------------------------------|----------------------|----------------------------------------------------------------------|------------------------|
| Mobile communication antenna | VSWR                 | Generic specificaiton for antennas used in the mobile communications | GB/T 9410-2008         |
|                              | Antenna Gain         |                                                                      |                        |
|                              | Radiation pattern    |                                                                      |                        |
| Antenna                      | Radiation efficiency | IEEE Standard Test Procedures for Antennas                           | ANSI/IEEE Std 149-1979 |

### 2. Test Equipment

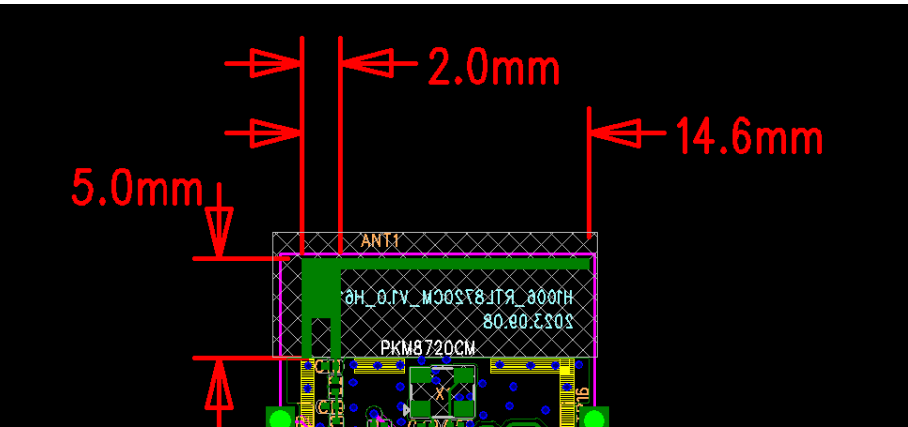
| Equipment                  | Model No.                                         | Serial No. | Manufacture     | Calibration Date | Next calibration Date |
|----------------------------|---------------------------------------------------|------------|-----------------|------------------|-----------------------|
| 24 probe Microwave chamber | MPS2450 Multi-probe OTA measurement systems 5*5*5 | YJ-PB-F01  | XH-IOE          | 2024.09.01       | 2025.09.01            |
| Network Analyzer           | ZVB8                                              | YJ-RD- 15  | ROHDE& SCH WARS | 2024.08.25       | 2025.08.25            |

|                                            |        |           |                    |            |            |
|--------------------------------------------|--------|-----------|--------------------|------------|------------|
| Wide band radio<br>Communication<br>tester | CMW500 | YJ-RD- 16 | ROHDE& SCH<br>WARS | 2024.08.25 | 2025.08.25 |
|--------------------------------------------|--------|-----------|--------------------|------------|------------|

3. Bluetooth Antenna Physical Size



4. WIFI Antenna Physical Size

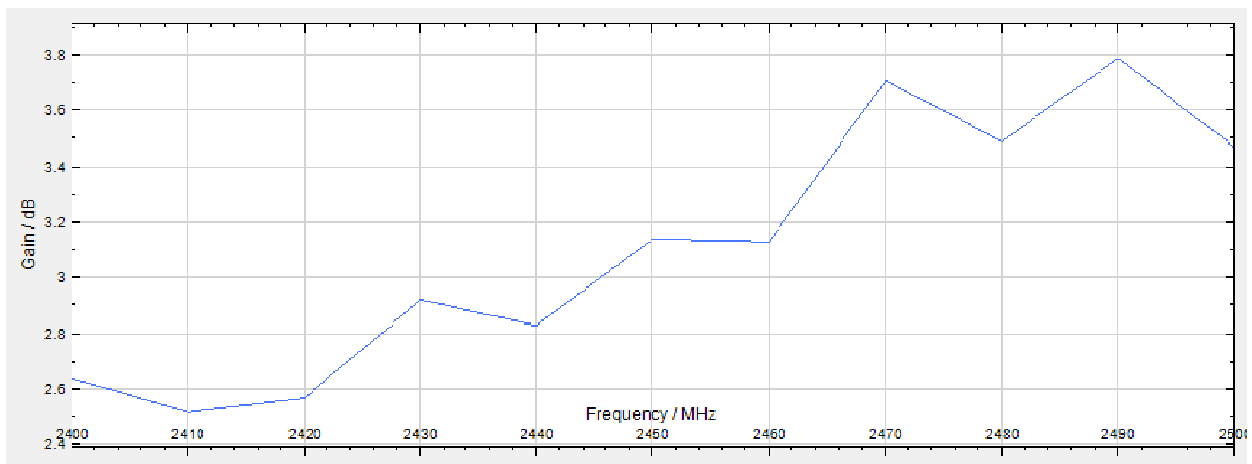


## 5. Bluetooth&WiFi Antenna Type & Gain

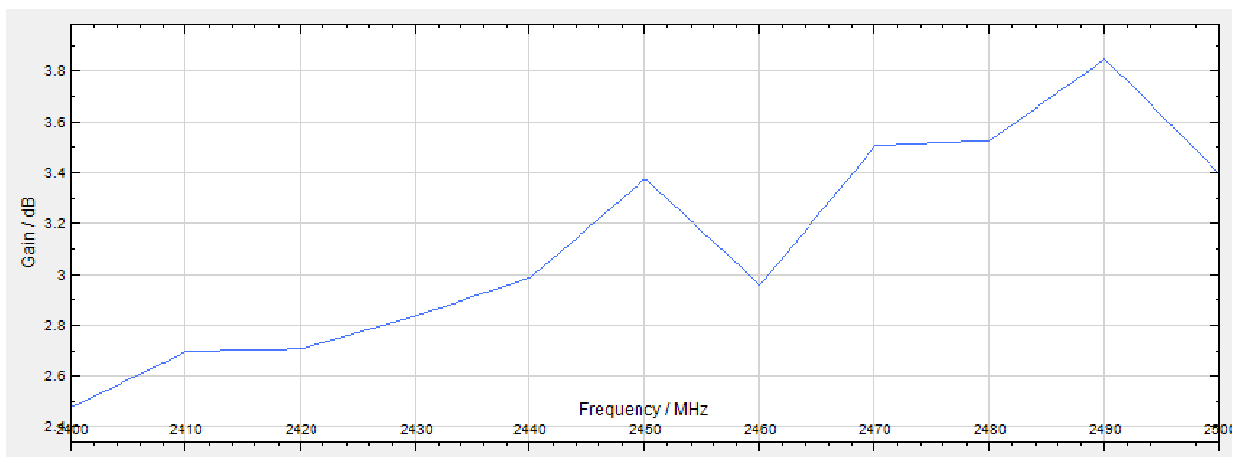
**Type:** PCB

| Frequency / MHz | BT Gain/ dBi | WiFi Gain/ dBi |
|-----------------|--------------|----------------|
| 2400            | 2.64         | 2.48           |
| 2410            | 2.52         | 2.7            |
| 2420            | 2.57         | 2.71           |
| 2430            | 2.92         | 2.84           |
| 2440            | 2.83         | 2.99           |
| 2450            | 3.14         | 3.38           |
| 2460            | 3.13         | 2.96           |
| 2470            | 3.71         | 3.51           |
| 2480            | 3.49         | 3.53           |
| 2490            | 3.79         | 3.85           |
| 2500            | 3.47         | 3.4            |

**BT:**

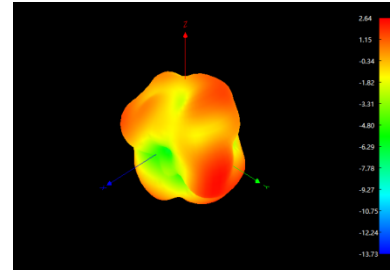
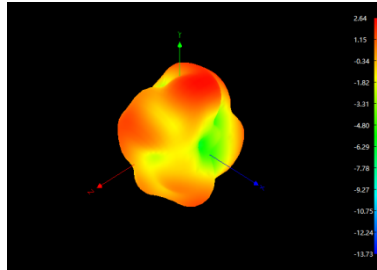
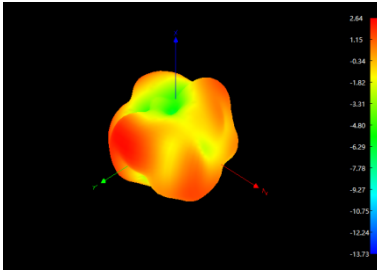


**WiFi:**

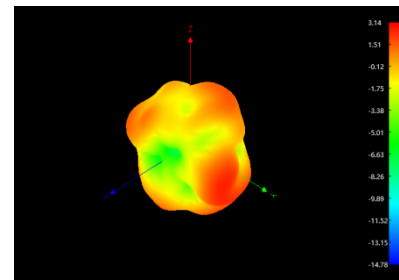
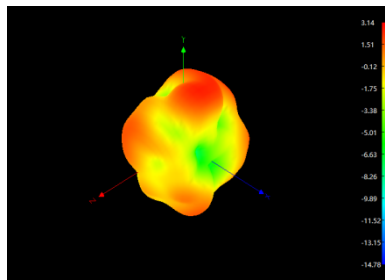
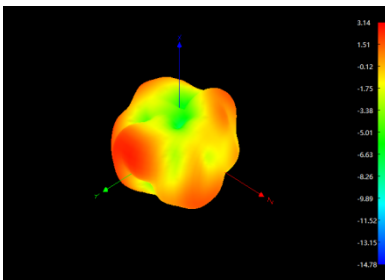


## 6. Bluetooth Antenna Pattern Picture

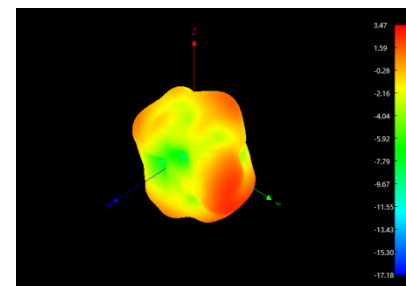
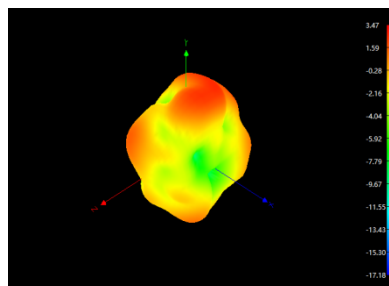
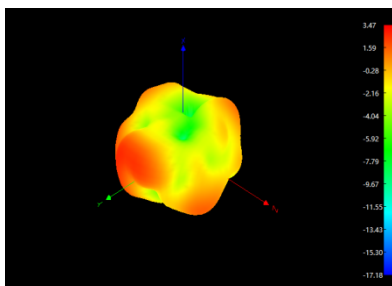
**2400MHz**



**2450MHz**

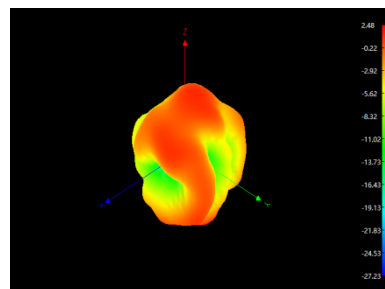
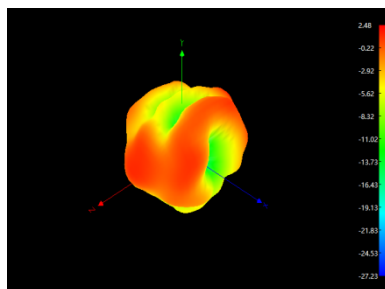
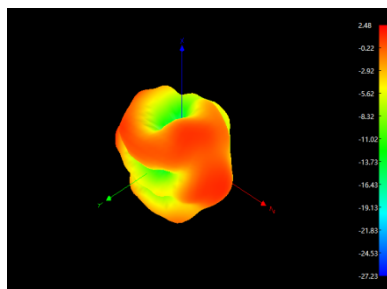


**2500MHz**

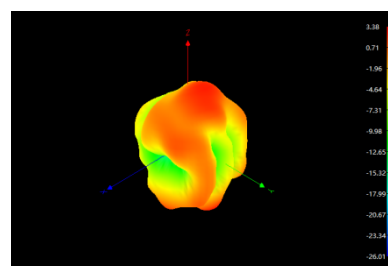
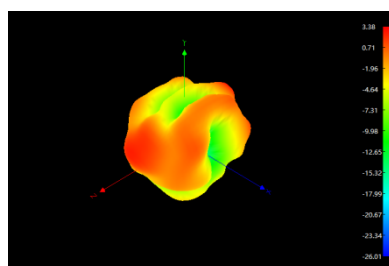
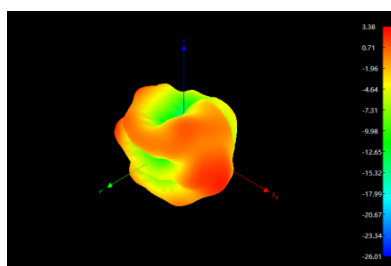


## 7. WiFi Antenna Pattern Picture

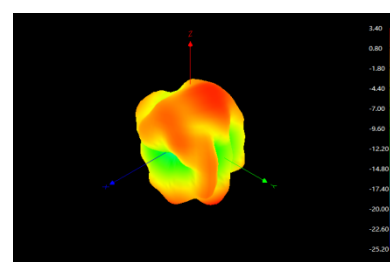
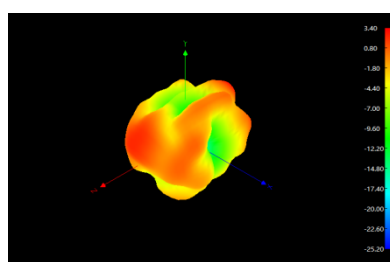
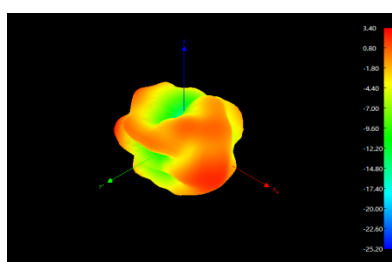
2400MHz



2450MHz



2500MHz



Tester by: Wu xianming

Wu Xianming