

# 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                                                                                       |
| Contact:        | Mr. Gan 13823198410                                                                                                                                                            |
| Model           | H7073                                                                                                                                                                          |
| Manufacturer    | Shenzhen Qianyan Technology LTD<br>No.3301, Block C, Section 1, Chuangzhi Yuncheng Building, Liuxian<br>Avenue, Xili Community, Xili Street, Nanshan District, Shenzhen, China |

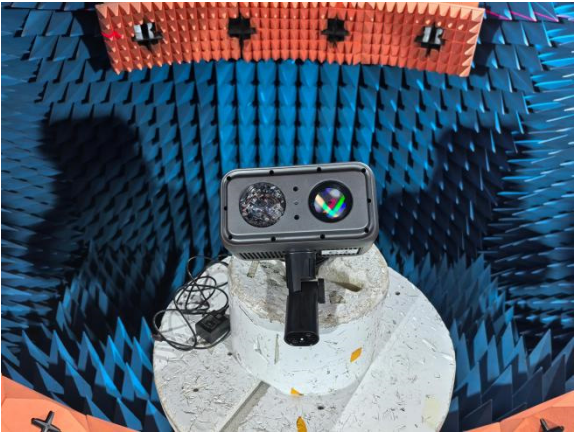
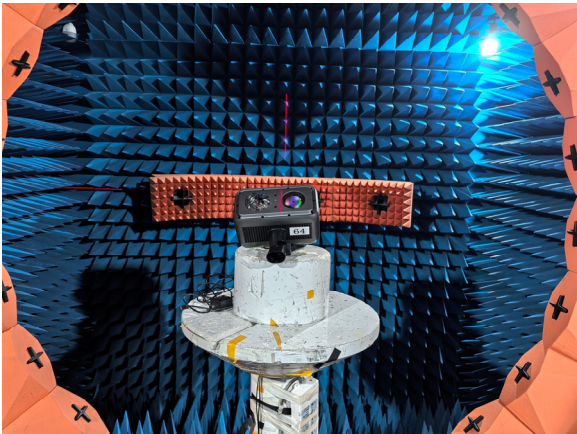
## 1. Test procedures

| Name                         | Parameter            | Method                                                               | Standard No.           |
|------------------------------|----------------------|----------------------------------------------------------------------|------------------------|
| Mobile communication antenna | VSWR                 | Generic specification 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 |

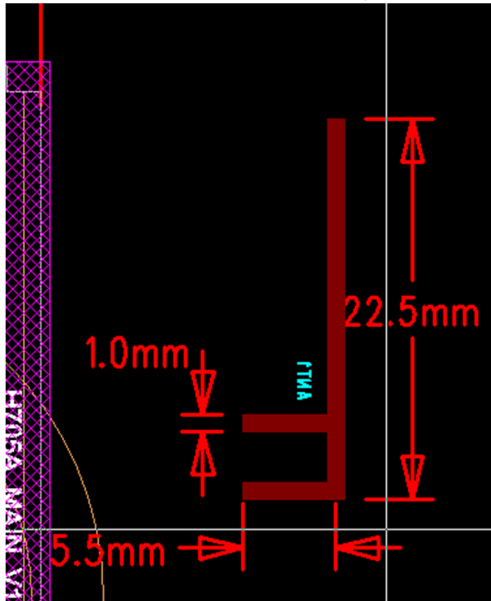
2. Test Equipment

| 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            |
| Wideband radio Communication tester | CMW500                                            | YJ-RD- 16  | ROHDE& SCH WARS | 2024.08.25       | 2025.08.25            |

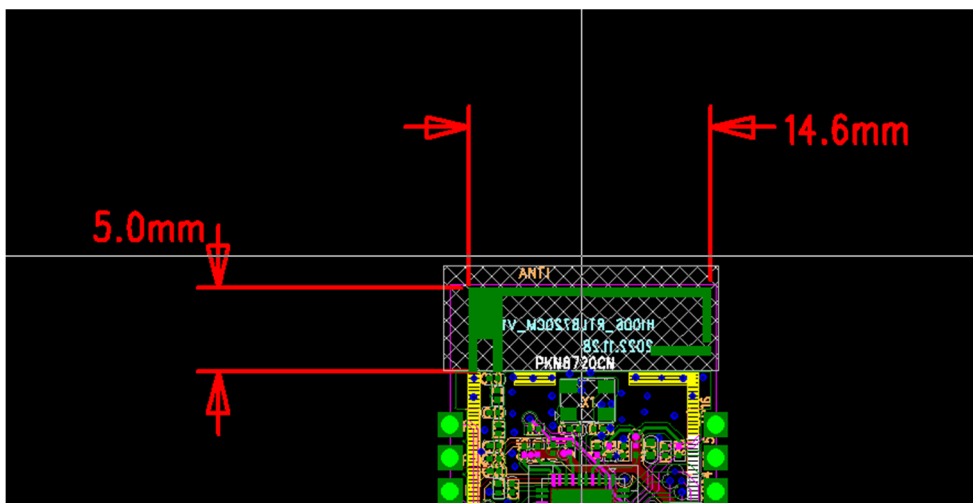
3. DUT Setup Photo



#### 4. Bluetooth Antenna Physical Size



#### 5. WI-FI Antenna Physical Size

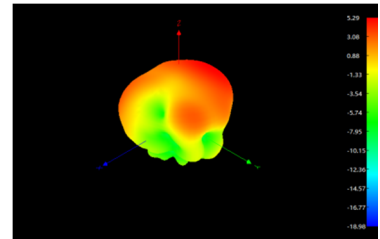
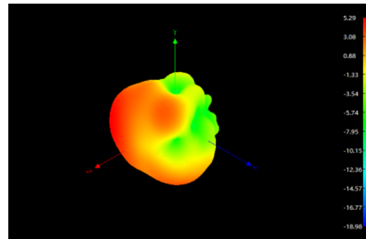
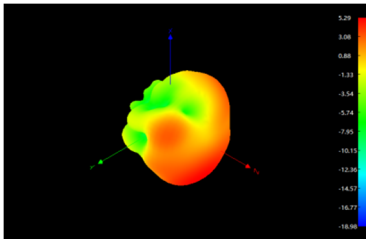


## 6. Bluetooth & Wi-Fi Antenna Type & Gain

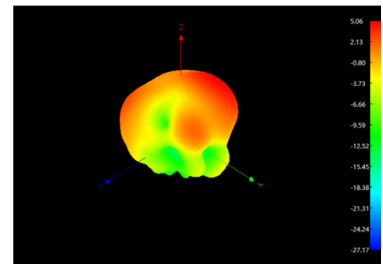
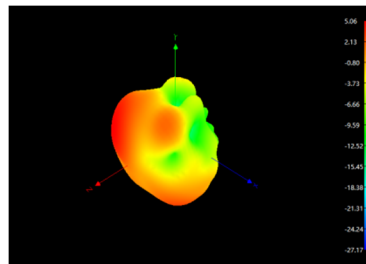
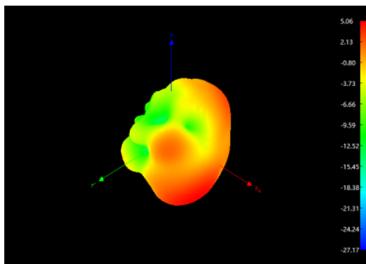
| Frequency / MHz | BT Gain/ dBi | Wi-Fi Gain/ dBi |
|-----------------|--------------|-----------------|
| 2400            | 5.29         | 3.98            |
| 2410            | 5.36         | 3.85            |
| 2420            | 5.24         | 3.46            |
| 2430            | 5.16         | 3.03            |
| 2440            | 5.06         | 2.5             |
| 2450            | 5.06         | 2.63            |
| 2460            | 4.86         | 2.83            |
| 2470            | 4.88         | 3.03            |
| 2480            | 4.74         | 3.17            |
| 2490            | 4.53         | 3.11            |
| 2500            | 4.05         | 2.97            |

## 7. Bluetooth Antenna Pattern Picture

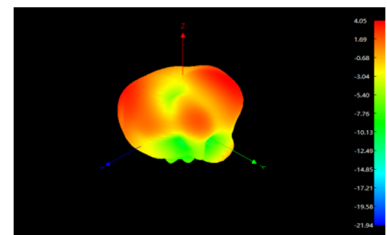
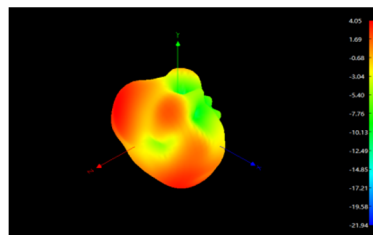
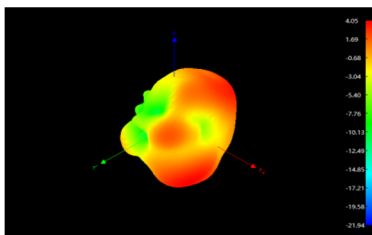
2400MHz



2450MHz

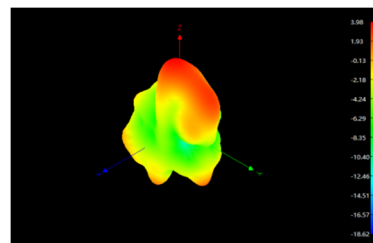
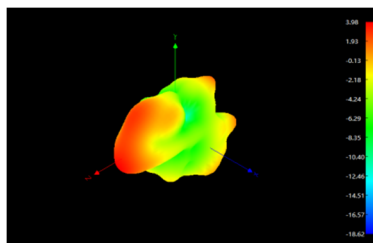
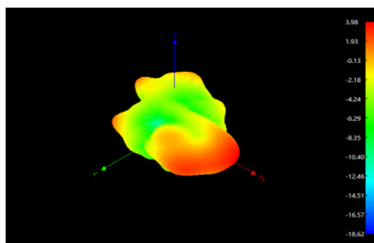


2500MHz

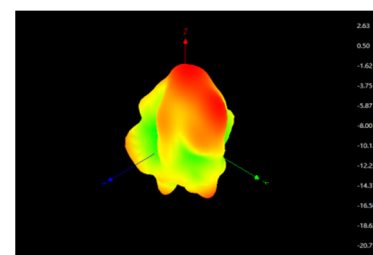
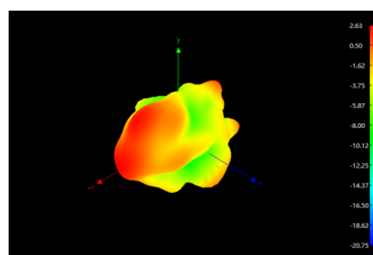
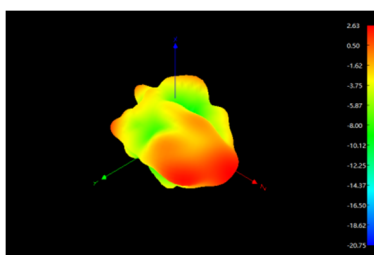


## 8. Wi-Fi Antenna Pattern Picture

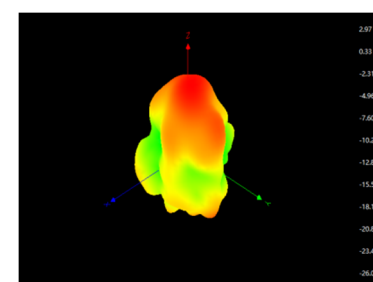
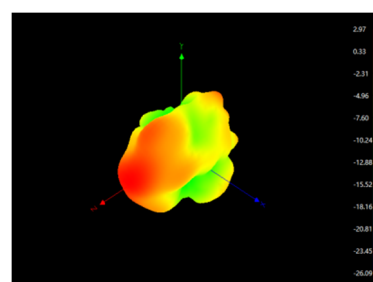
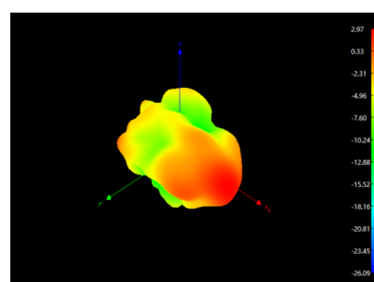
2400MHz



2450MHz



2500MHz



Tester by: Wu xianming

Wu Xianming