

# Antenna test report

|                         |   |
|-------------------------|---|
| <b>Manufacturer</b>     | Dongguan Yijia Electronic Co., LTD  |
| <b>Address</b>          | No. 59 Muyu Road, Shatou Community, Chang 'an Town, Dongguan<br>City, Guangdong Province  |
| <b>Contact:</b>         | Mr. Gan 13823198410   |
| <b>Antenna Type</b>     | PCB ANT   |
| <b>Test laboratory:</b> | SHENZHEN MORLAB COMMUNICATIONS TECHNOLOGY Co.. Ltd.   |
| <b>Address</b>          | FL1-3, Building A, FeiYang Science Park, No.8 LongChang Road,Block67,<br>BaoAn District, ShenZhen , GuangDong Province, P. R. China |

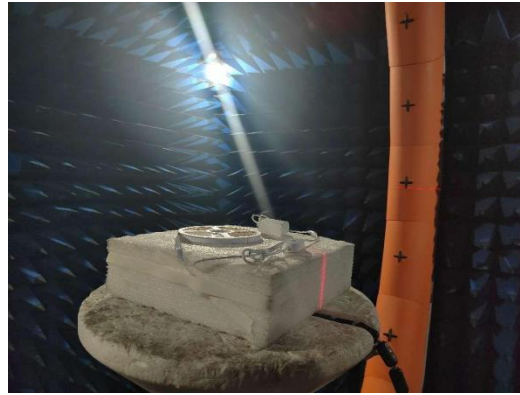
## 1. Test procedures

| <b>Name</b>                  | <b>Parameter</b>     | <b>Method</b>  | <b>Standard No.</b>    |
|------------------------------|----------------------|--|------------------------|
| 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 |

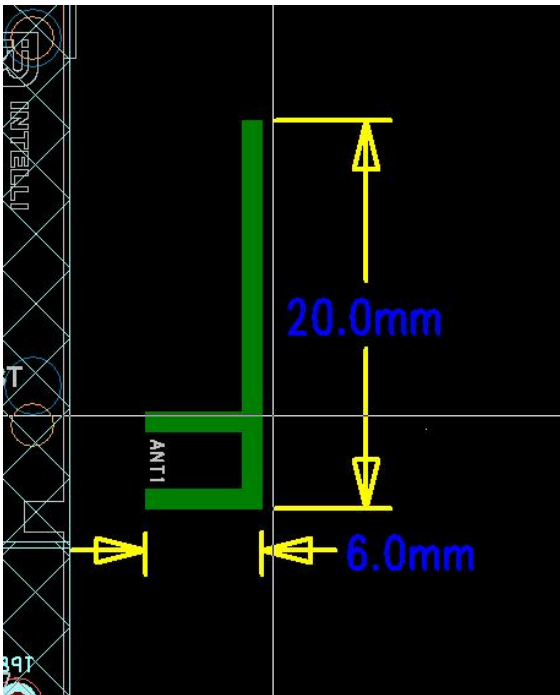
## 2. Test Equipment

| <b>Equipment</b>                    | <b>Model No.</b>                                  | <b>Serial No.</b> | <b>Manufacture</b> | <b>Calibration Date</b> | <b>Next calibration Date</b> |
|-------------------------------------|---|-------------------|--------------------|-------------------------|------------------------------|
| 24 probe Microwave chamber          | MPS2450 Multi-probe OTA measurement systems 5*5*5 | YJ-PB-F01         | XH-IOE             | 2023.09.01              | 2024.09.01                   |
| Network Analyzer                    | ZVB8  | YJ-RD-15          | ROHDE&SCHWARS      | 2024.08.25              | 2025.08.25                   |
| Wideband radio Communication tester | CMW500  | YJ-RD-16          | ROHDE&SCHWARS      | 2024.08.25              | 2025.08.25                   |

### 3. DUT Setup Photo



### 4. Bluetooth Antenna Physical Size

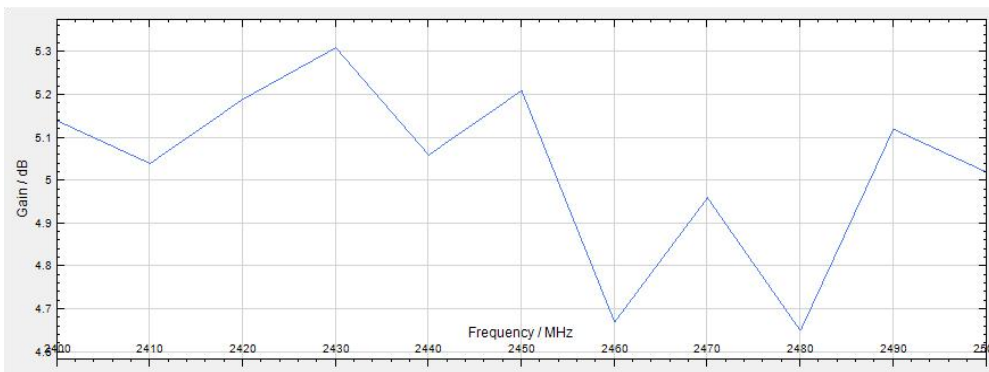


## 5. Bluetooth Antenna Type & Gain

Type: PCB

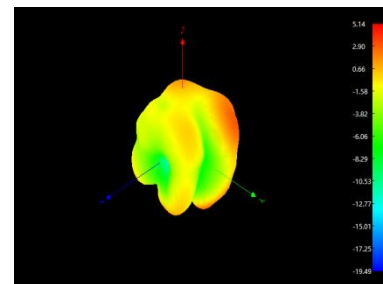
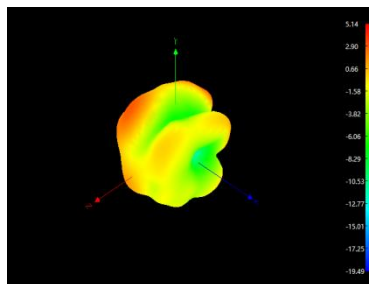
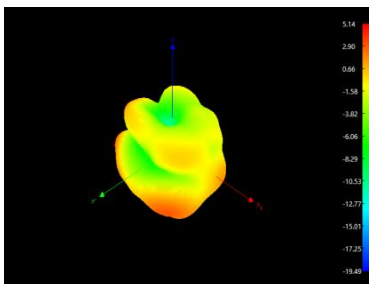
| Frequency / MHz | BT Gain/ dBi |
|-----------------|--------------|
| 2400            | 5.14         |
| 2410            | 5.04         |
| 2420            | 5.19         |
| 2430            | 5.31         |
| 2440            | 5.06         |
| 2450            | 5.21         |
| 2460            | 4.67         |
| 2470            | 4.96         |
| 2480            | 4.65         |
| 2490            | 5.12         |
| 2500            | 5.02         |

BT:

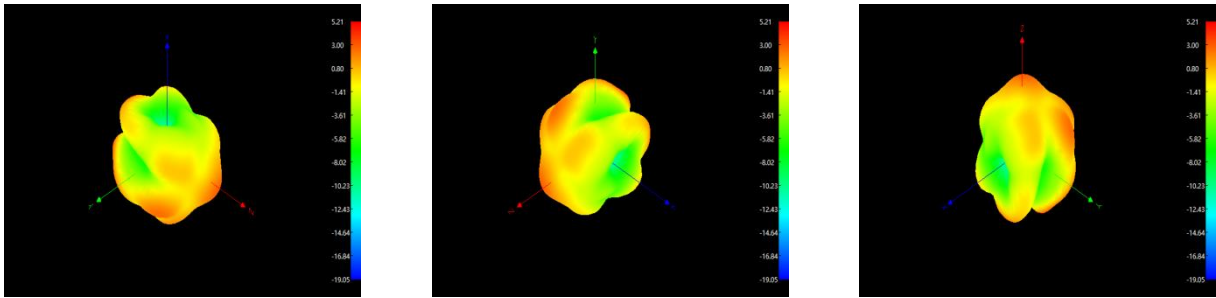


## 6. Bluetooth Antenna Pattern Picture

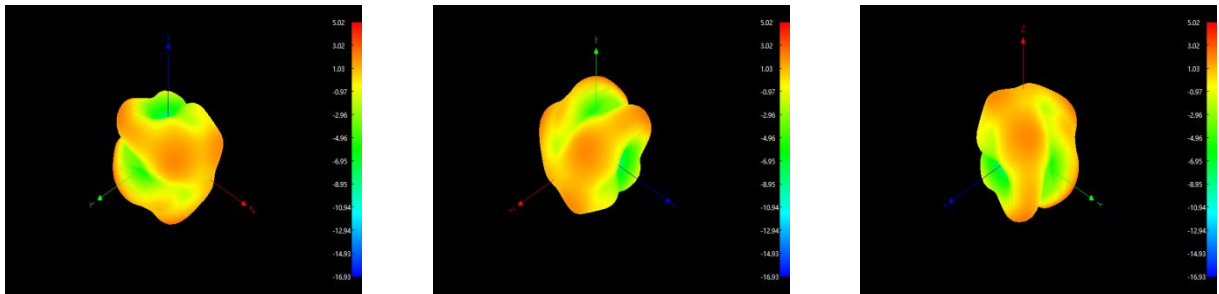
2400MHz



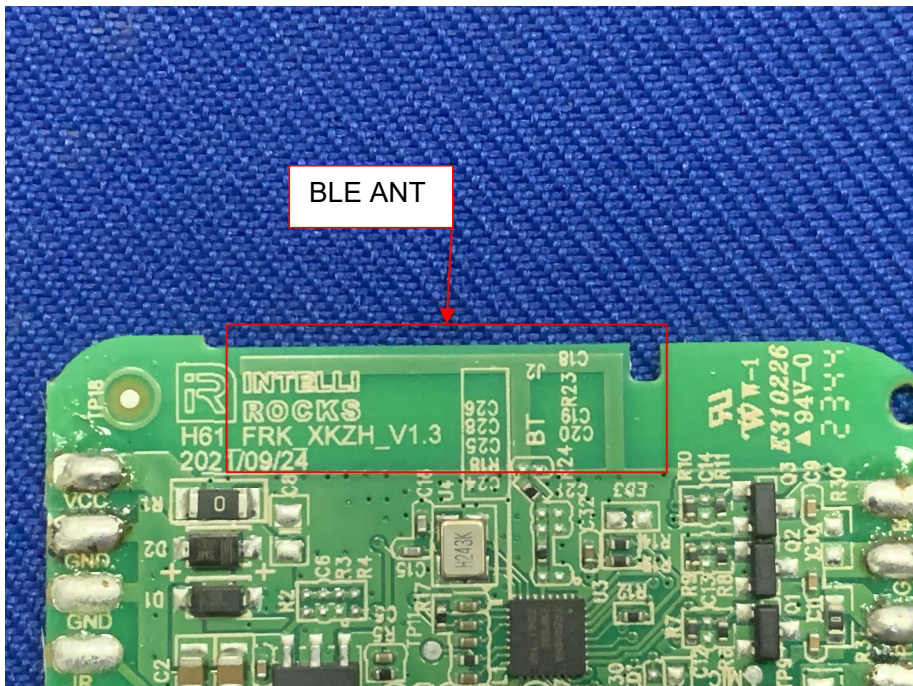
2450MHz



2500MHz



## 7. EUT Photo



Tester by: Wu xianming

Wu Xianming