

# Antenna test report

Customer Name: 802

Project model: SRC-4223

Date: 2023-12-04

| 版本  | 内容           | 更新原因          | 日期         |
|-----|--------------|---------------|------------|
| 1.0 | Antenna test | Initial issue | 2023-11-28 |
| 2.0 | Antenna test | optimize      | 2023-12-04 |
|     |              |               |            |
|     |              |               |            |
|     |              |               |            |
|     |              |               |            |
|     |              |               |            |

|                                  |     |
|----------------------------------|-----|
| 1. Edition record                | ... |
| 2. Project situation             | ... |
| 3. Antenna and structure form    | ... |
| 4. Network division test diagram | ... |
| 5. Passive test data             | ... |
| 6. Passive test 2/3D diagram     | ... |

|                    |                 |
|--------------------|-----------------|
| Customer Name      | 802             |
| Project name       | SRC-4223        |
| Number of antennas | 1               |
| Antenna band       | 2400-2500MHz    |
| Structural form    | Onboard antenna |

# Scheme 1 Antenna and structure form

L1 position  
string a 0 ohm  
resistor, C6  
position match  
removed



L4 position  
and a 1.2pf  
capacitor

# Scheme 1 Network division test diagram



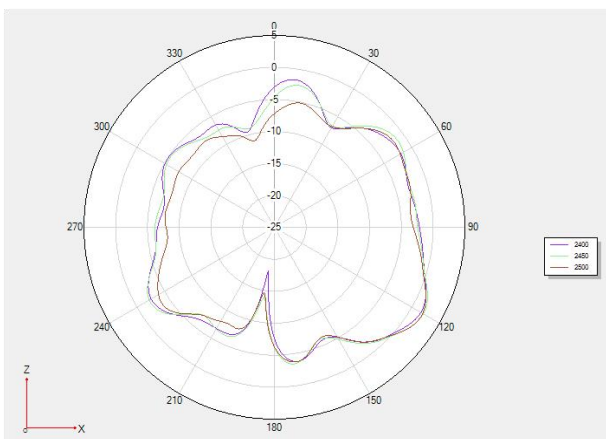
# Scheme 1 Passive test data

| Frequency / MHz | Efficiency / % | Gain/ dBi   |
|-----------------|----------------|-------------|
| 2400            | <b>41.21</b>   | <b>1.83</b> |
| 2410            | <b>41.98</b>   | <b>1.87</b> |
| 2420            | <b>40.46</b>   | <b>1.79</b> |
| 2430            | <b>42.85</b>   | <b>1.71</b> |
| 2440            | <b>45.26</b>   | <b>2.09</b> |
| 2450            | <b>45.95</b>   | <b>2.21</b> |
| 2460            | <b>47.46</b>   | <b>2.12</b> |
| 2470            | <b>47.72</b>   | <b>2.07</b> |
| 2480            | <b>48.19</b>   | <b>2.03</b> |
| 2490            | <b>39.24</b>   | <b>1.95</b> |
| 2500            | <b>37.22</b>   | <b>1.98</b> |

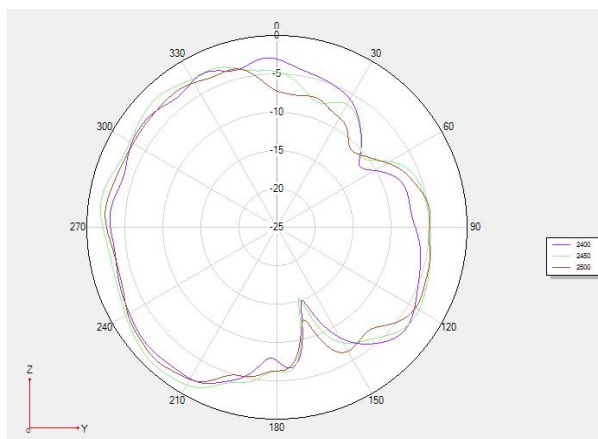
# Scheme 1 Antenna passive test

## 2/3D diagram

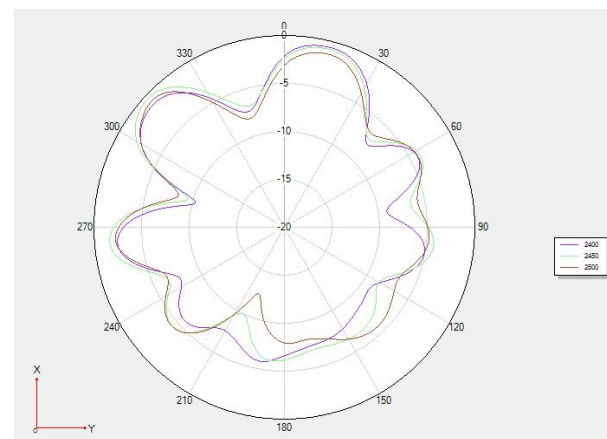
Phi 0 2D图



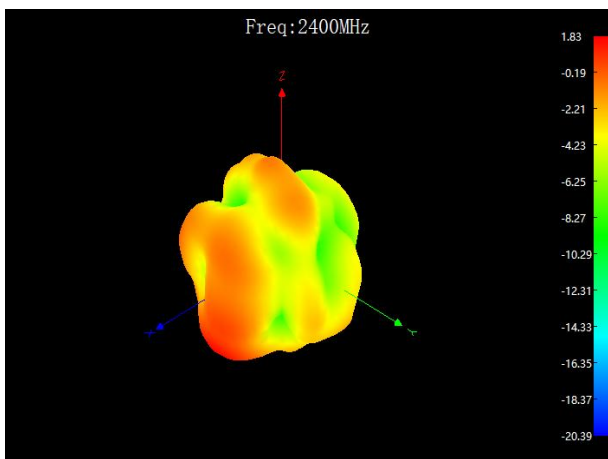
Phi 90 2D图



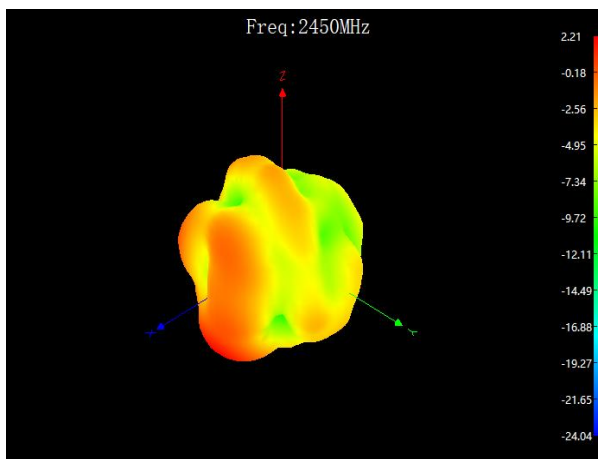
Theta 90 2D图



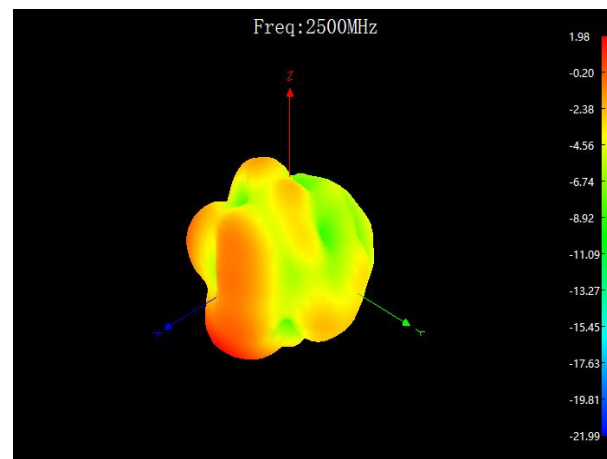
2400



2450



2500





# thanks !

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