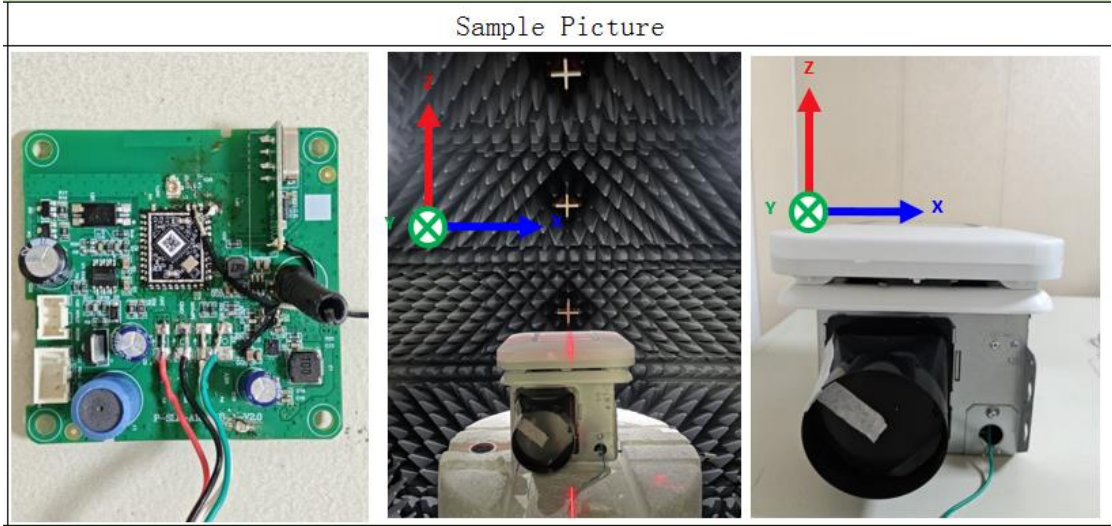
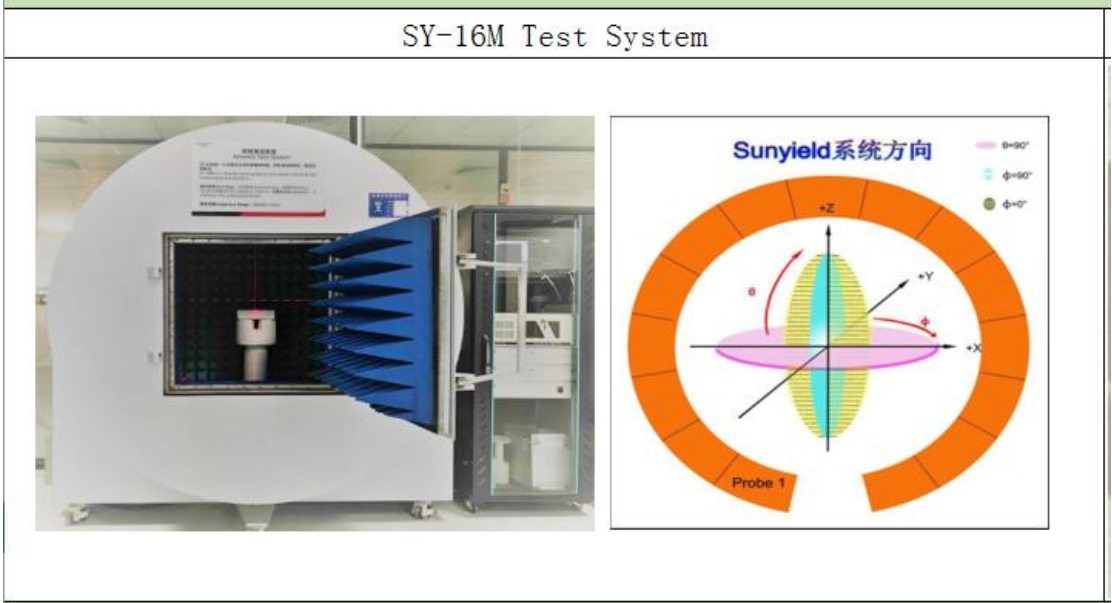
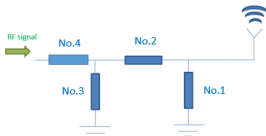


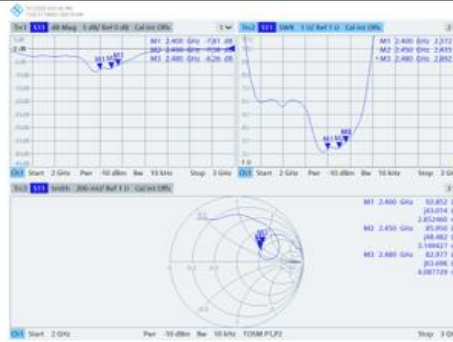
| Product Information |                                                                                   |                   |                                 |
|---------------------|-----------------------------------------------------------------------------------|-------------------|---------------------------------|
| Client              | M071                                                                              | Protocol          | BLE+WIFI                        |
| Project Number      | \                                                                                 | Sample Quantity   | 2                               |
| Model Number        | LDE42B000B                                                                        | PCB Version       | P-SLF-A16-01B-A-V2.0            |
| Chip Type           | ESP32-C3                                                                          | Structure Version | 手板样                             |
| Sample Picutres     |  |                   |                                 |
| Summary             |                                                                                   |                   |                                 |
| No.                 | Items                                                                             | Remark            |                                 |
| 1                   | <u>Passive Test</u>                                                               | /                 |                                 |
| 2                   | <u>Rawdata</u>                                                                    | /                 |                                 |
| 3                   | <u>Raw File</u>                                                                   | /                 |                                 |
| Author              |                                                                                   | Xiu weisong       | Test Date<br>2025.7.1           |
| Verifier            |                                                                                   | Ouyang Longji     | Review Date<br>2025.7.1         |
| Date                |                                                                                   | Version           | Revise Content<br>Reviser       |
| 2025.7.1            |                                                                                   | V2.0              | Establish Report<br>Xiu weisong |



| Antenna Matching                                                                    |                    |            |       |       |
|-------------------------------------------------------------------------------------|--------------------|------------|-------|-------|
|  | Matching Component |            |       |       |
|                                                                                     | Position           | No. 1      | No. 2 | No. 3 |
|                                                                                     | Item No.           | C23        | L4    | C34   |
|                                                                                     | Value              | NC         | 0Ω    | NC    |
|                                                                                     | 1st                | 2020712047 |       |       |
|                                                                                     | 2nd                |            |       |       |
|                                                                                     | 3rd                |            |       |       |
|                                                                                     | Remark             |            |       |       |

## VNA Data

### Original Result of Simulation Setting



### Final Tuning Result



## Chamber Data

| Frequency (MHz) | Gain (dBi) | Efficiency (dB) | 3D | $\theta = 90^\circ$ (XY Plane) |
|-----------------|------------|-----------------|----|--------------------------------|
| 2400            | -0.38      | -5.98           |    |                                |
| 2410            | -0.13      | -5.87           |    |                                |
| 2420            | 0.14       | -5.86           |    |                                |
| 2430            | 0.13       | -5.95           |    |                                |
| 2440            | -0.14      | -5.94           |    |                                |
| 2450            | -0.58      | -5.95           |    |                                |
| 2460            | -1.18      | -6.04           |    |                                |
| 2470            | -0.94      | -6.00           |    |                                |
| 2480            | -0.79      | -5.92           |    |                                |
| 2490            | -0.22      | -5.72           |    |                                |
| 2500            | 0.00       | -5.55           |    |                                |
| -               | -          | -               |    |                                |
| MIN             | -1.18      | -6.04           |    |                                |
| MAX             | 0.14       | -5.55           |    |                                |
| AVG             | -0.37      | -5.89           |    |                                |