



深圳合翊讯科技有限公司  
Shenzhen Heyixun Technology Co., Ltd.

HEYIXUN  
合翊讯

|                  |             |
|------------------|-------------|
| Customer         | 志泽          |
| Project          | CM913       |
| Antenna Revision | A0          |
| Prepared by      | 15993920520 |
| Checked by       | 17279710721 |
| Date             | 2025-10-29  |

This report is to measure the performance of antenna for CM913 The antenna operating frequency at 2400-2500MHz All test data are showed as below.

1. Test system

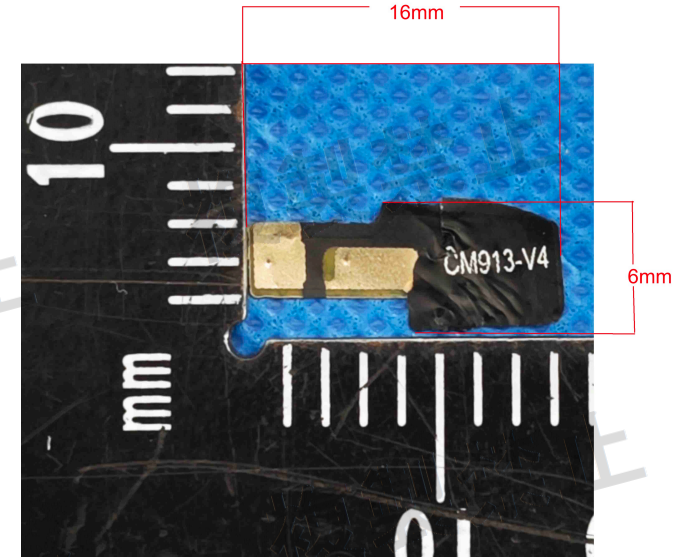
01

2. Product Overview & Dimension

02

Content

03

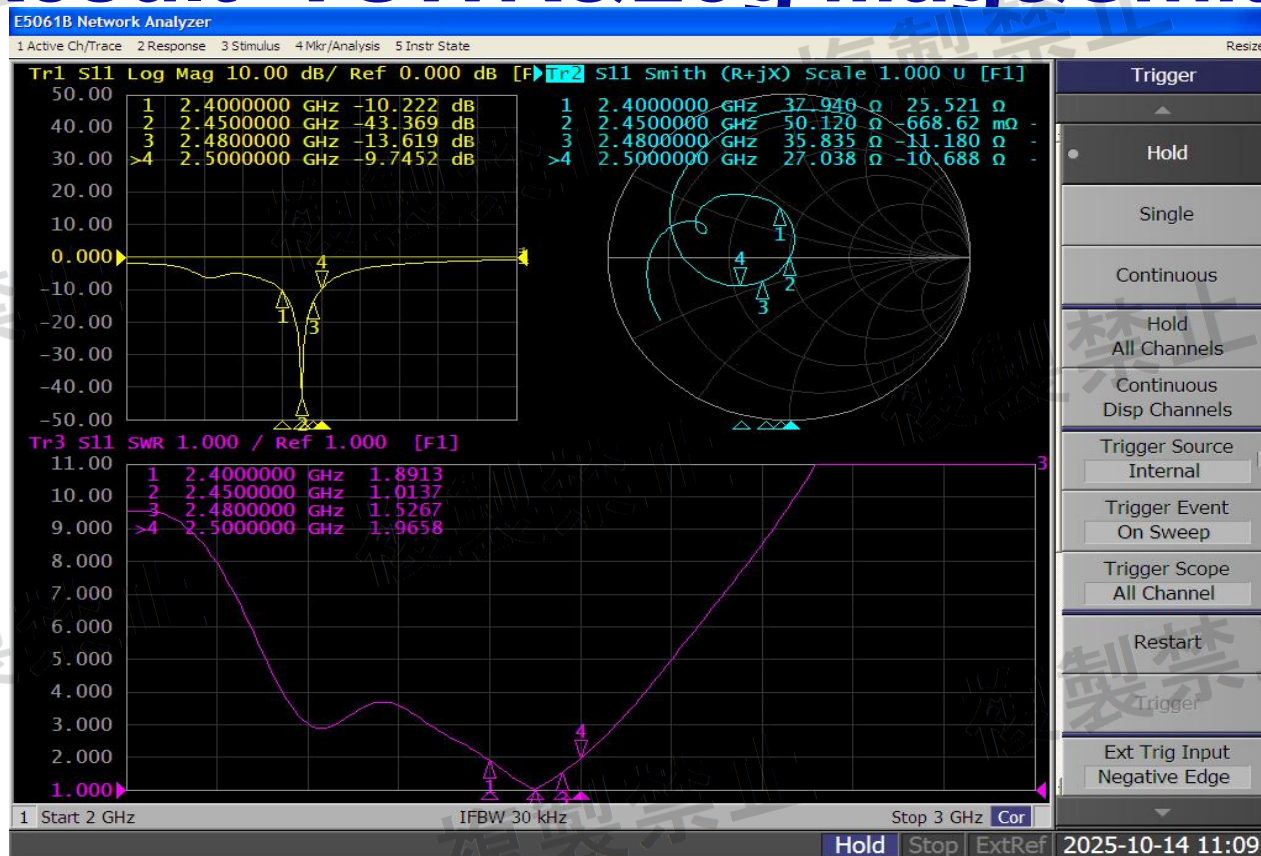


# 1. Test System

| Sequence Number   | Test Item         | equipment                     |
|-------------------|-------------------|-------------------------------|
| S parameter       | VSWR              | Agilent 5071C & Agilent 5071B |
| OTA Test          | TRP& TIS          | Agilent 8960 & CMW500 STIMO   |
| Gain & Efficiency | Gain & Efficiency | SATIMO<br>Agilent 5071C       |



## 2.1 Test Result VSWR&Log Mag&Smith( $\Omega$ )



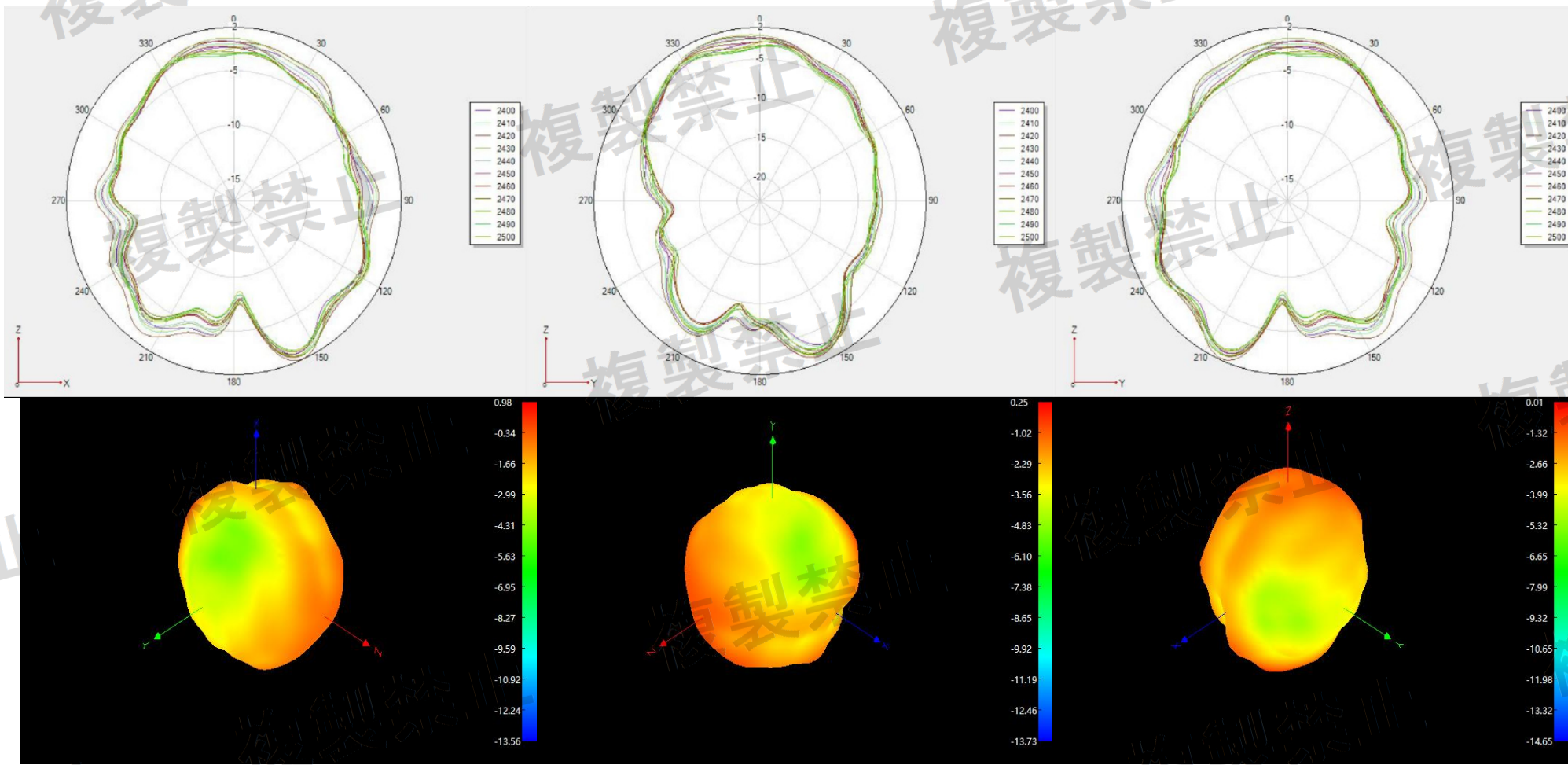
| Frequency (MHz)   | 2400   | 2450   | 2480   | 2500  |
|-------------------|--------|--------|--------|-------|
| Log Mag           | -10.22 | -43.36 | -13.61 | -9.74 |
| Smith( $\Omega$ ) | 37.94  | 50.12  | 35.83  | 27.03 |
| VSWR              | 1.89   | 1.01   | 1.52   | 1.96  |

## 2.2 Test Result

| Frequency (MHz) | Efficiency (%) | Max GAIN (dBi) |
|-----------------|----------------|----------------|
| 2400            | 42.17          | 1.08           |
| 2410            | 42.36          | 1.26           |
| 2420            | 43.65          | 1.55           |
| 2430            | 43.55          | 1.33           |
| 2440            | 44.67          | 0.98           |
| 2450            | 44.98          | 0.25           |
| 2460            | 44.16          | 0.32           |
| 2470            | 43.05          | -0.29          |
| 2480            | 42.95          | 0.01           |
| 2490            | 42.17          | 1.08           |
| 2500            | 42.36          | 1.26           |

## 2.3 Test Result

### 2.3 2D Pattern——BTANT



WORK REPORT

谢谢观看