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Yusheng Communications-equipment Co.,LTD

多米诺DM58 Antenna Report

|                       |      |                      |             |
|-----------------------|------|----------------------|-------------|
| Project name<br>项目名称  | DM58 | RF Engineer<br>射频工程师 | 曾祥好         |
| Project phase<br>项目阶段 |      | TEL                  | 15112352038 |

| 时间         | 报告版本 | 主要内容     |
|------------|------|----------|
| 2024-11-28 | V1.0 | 天线初步调试报告 |
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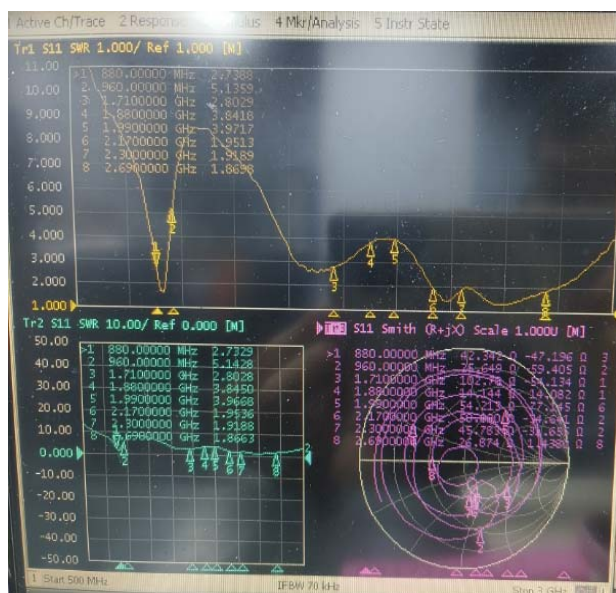
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## Antenna Report

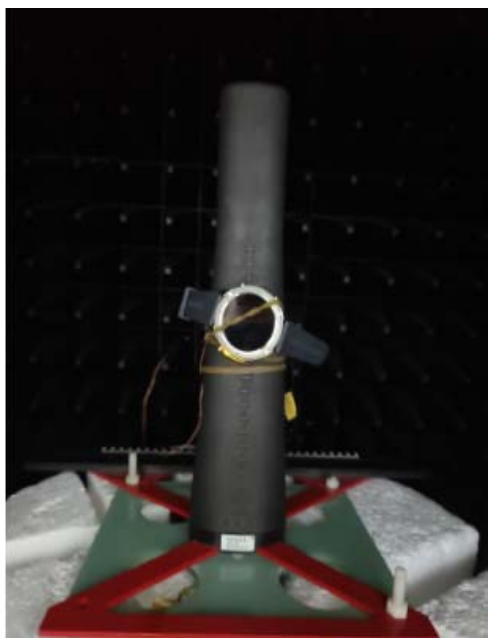
报告主要内容

天线调试

### 天线无源DM58参数



### 暗室测试环境

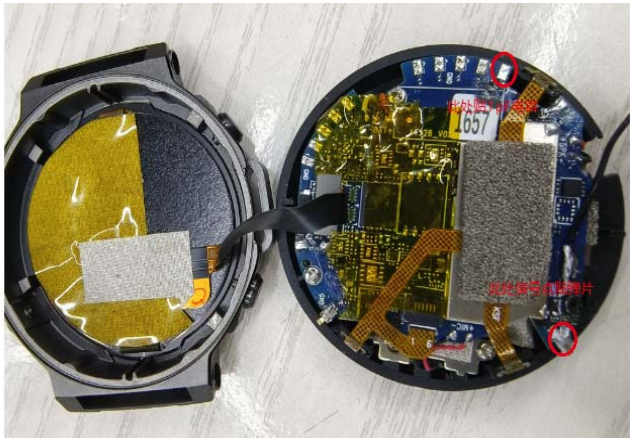
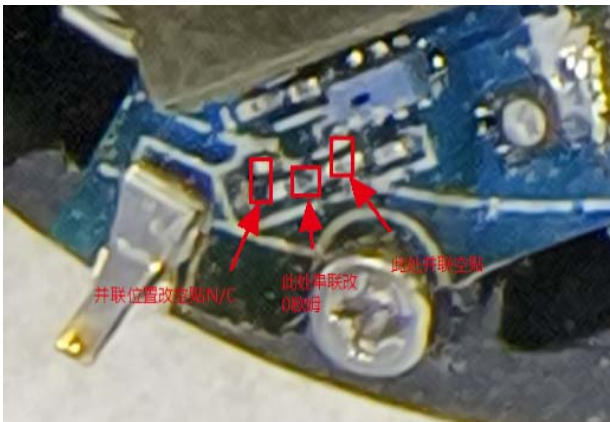


天线效率参数测试情况-

| 手臂测试结 | 频点        | 增益(dBi)   | 效率 (dB)      |
|-------|-----------|-----------|--------------|
|       | Freq(MHz) | Gain(dBi) | Efficiency(d |
|       |           |           |              |
|       | 1505      | -6.7      | -11.6        |
|       | 1515      | -6.5      | -11.4        |
|       | 1525      | -6.1      | -11.2        |
| 匹配整改后 | 1535      | -5.9      | -11.1        |
|       | 1545      | -5.7      | -10.9        |
|       | 1555      | -5.5      | -11.1        |
|       | 1565      | -5.4      | -11.1        |
|       | 1575      | -5.3      | -11.3        |
|       | 1585      | -5.5      | -11.4        |
|       | 1595      | -5.4      | -11.6        |
|       | 1605      | -5.2      | -11.7        |
|       | 1615      | -5.5      | -11.8        |
|       | 1625      | -5.7      | -11.9        |
|       | 2400      | -4.6      | -11.8        |
|       | 2420      | -4.7      | -11.9        |
|       | 2440      | -4.9      | -12.0        |
|       | 2460      | -5.2      | -12.2        |
|       | 2480      | -5.8      | -12.2        |
|       | 2500      | -5.9      | -12.4        |

天线方向图

天线环境处理



馈地处贴弹片，GND处贴1pF电容



