



东莞市森岭智能科技有限公司

DONGGUAN SLEing INTEL-TECH CO., LTD

## 承 认 书

### SPECIFICATION APPROVAL SHEET

|               |                                |        |     |
|---------------|--------------------------------|--------|-----|
| MODEL         | A6040436                       | 版次:    |     |
|               |                                | REV    | A/0 |
| 品名 / 规格 :     | 2.4~2.5GHz                     | 单重:    |     |
| SPECIFICATION | RF Antenna L=90mm(Ø1.13 +MHF ) | weight |     |
| 供 方 料 号 :     | SLEingA201400090               |        |     |
| SUP PART NO   |                                |        |     |
| 日 期 :         | 2023.08.31                     |        |     |
| DATE          |                                |        |     |

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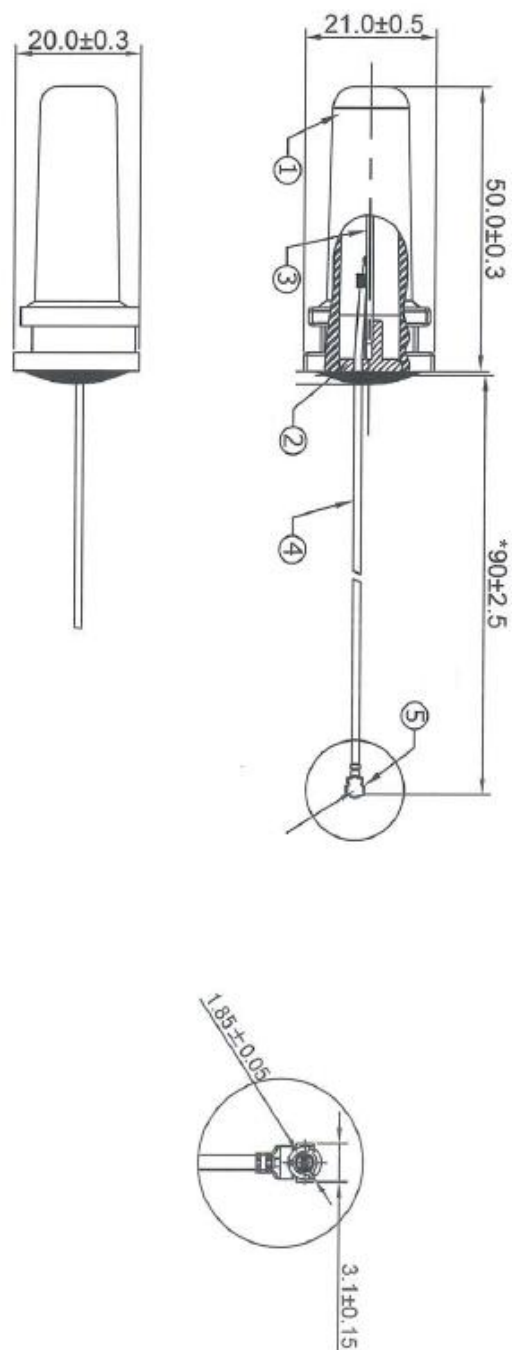
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## 电性测试报告

## Test Reports

| Electrical Properties |                          |
|-----------------------|--------------------------|
| Frequency             | 2.4~2.5GHz               |
| Impedance             | 50 Ohm Nominal           |
| V.S.W.R               | $\leq 4.0$               |
| Return Loss           | -4.5dB Max               |
| Radiation             | Omni-directional         |
| Gain (Peak)           | 3.06dBi                  |
| Antenna Type          | Dipole antenna           |
| Polarization          | Linear, Vertical         |
| Admitted Power        | 2 W                      |
| Connector             | MHF                      |
| Physical Properties   |                          |
| Antenna Material      | FPCB                     |
| Cable Type            | $\Phi 1.13$ mm Dark Grey |
| Operating Temp        | -40°C ~+85°C             |
| Storage Temp.         | -40°C ~+85°C             |
|                       |                          |

天线组装图

Antenna assembly diagram

Device



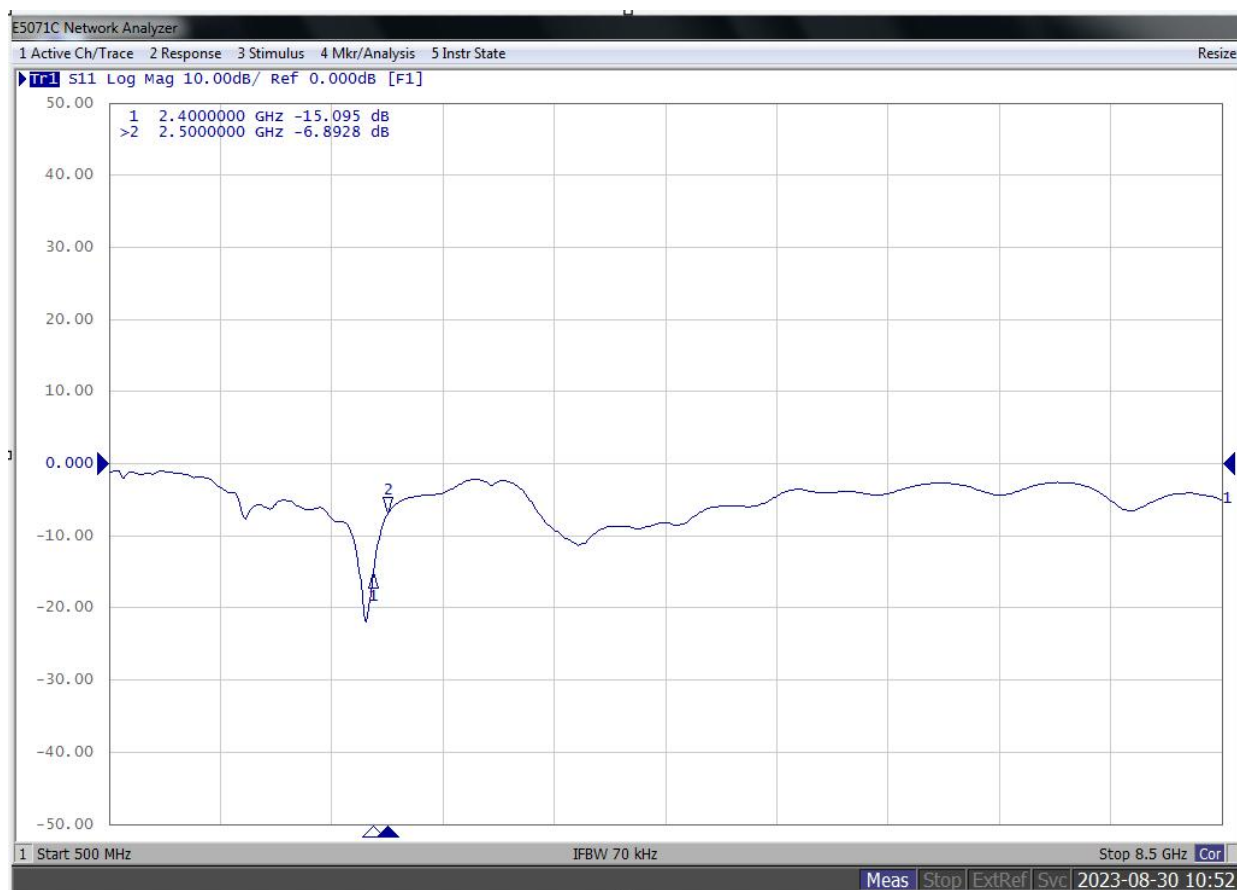
## S参数测试

### S Parameter Test

Agilent E5071C Network Analyzer



RF Antenna (Return Loss)



测试效率

Test Efficiency

|                 |       |       |       |       |       |       |       |       |       |       |       |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Frequency ID    | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    |
| Frequency (MHz) | 2400  | 2410  | 2420  | 2430  | 2440  | 2450  | 2460  | 2470  | 2480  | 2490  | 2500  |
| Gain (dBi)      | 2.97  | 3.01  | 3.05  | 3.02  | 3.06  | 2.99  | 2.79  | 2.62  | 2.19  | 2.54  | 2.04  |
| Efficiency (%)  | 58.84 | 58.68 | 59.11 | 59.90 | 61.17 | 61.47 | 61.87 | 60.80 | 57.52 | 57.72 | 55.07 |



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方向图

Patten

|  |     |     |     |    |
|--|-----|-----|-----|----|
|  | XoZ | YoZ | XoY | 3D |
|--|-----|-----|-----|----|

