



深圳市和鸣微科技有限公司  
Shenzhen HamyWe Technology

# 天线承认书

## Parts Approval Sheet

|                                 |           |                |        |
|---------------------------------|-----------|----------------|--------|
| <b>Customer</b>                 | 安鸿        | <b>Project</b> | ABM660 |
| <b>Band</b>                     | 2.4G-TGTX | <b>Color</b>   | 本色     |
| <b>PN</b>                       | X3590     | <b>Version</b> | V1     |
| <b>Customer material number</b> |           |                |        |

**DATE: 2025/11/26**

| R&D                     |                   |                     | QC                |
|-------------------------|-------------------|---------------------|-------------------|
| <b>Issued by</b>        | <b>Checked by</b> | <b>Confirmed by</b> | <b>Checked by</b> |
|                         |                   |                     |                   |
| <b>Customer Confirm</b> |                   |                     |                   |

Environmental requirements: ☒ ROHS

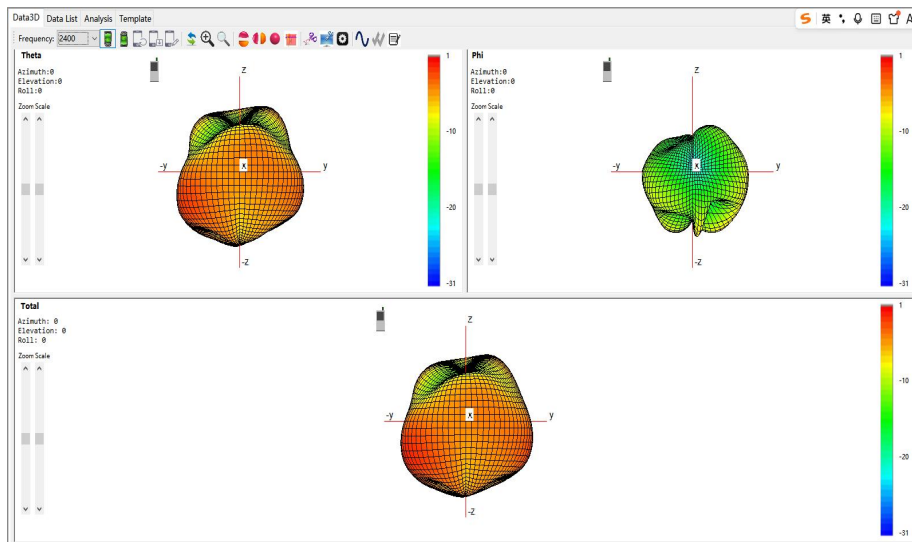
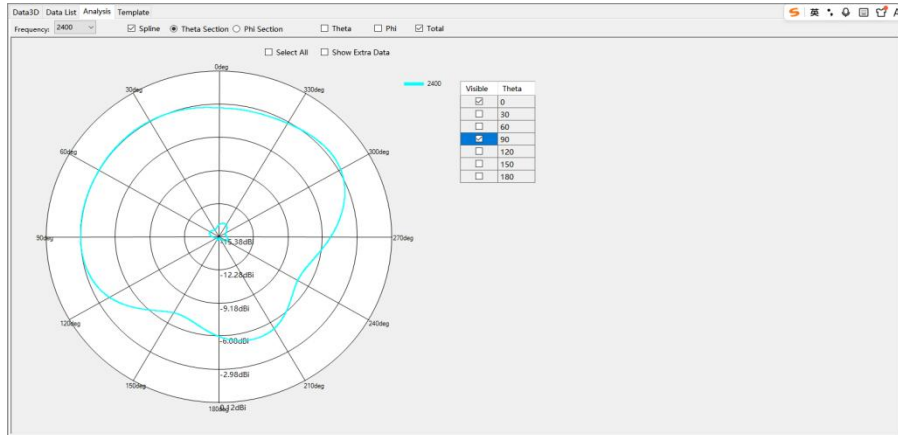
☐ REACH

☐ 无

1. 增益与效率

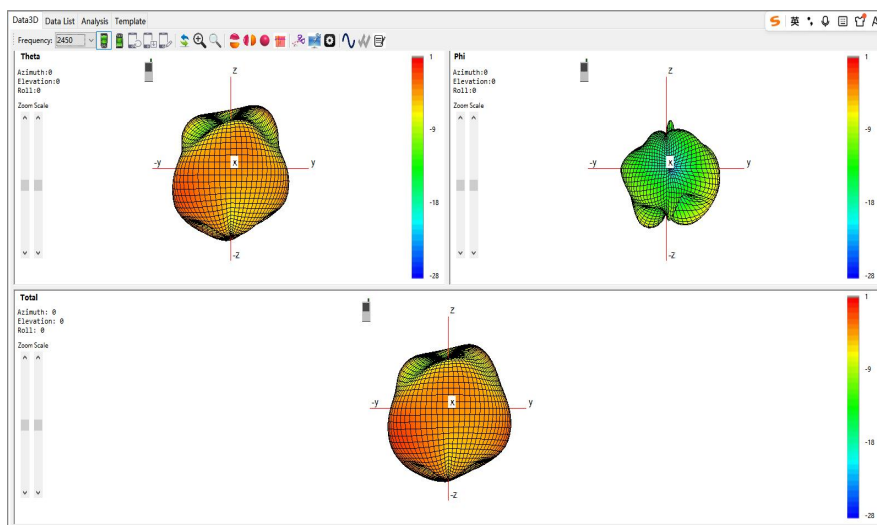
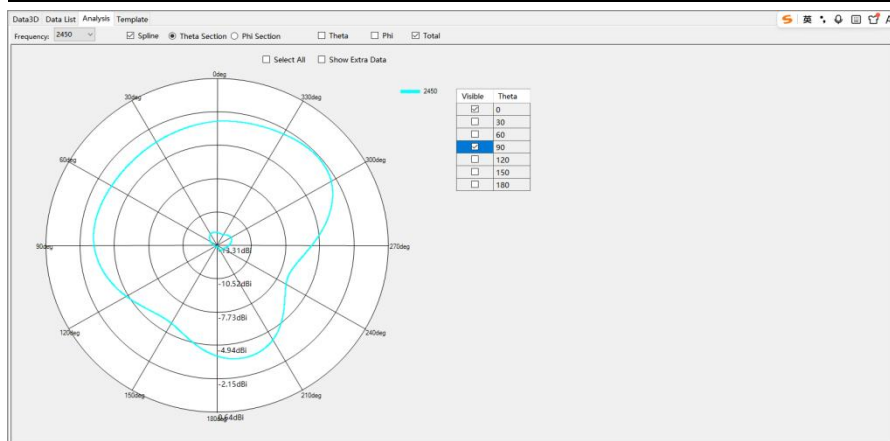
| 安鸿ABM660无源数据 |          |        |
|--------------|----------|--------|
| 频率 (Mhz)     | 增益 (dBi) | 效率 (%) |
| 2400         | 0.81     | 53.49  |
| 2410         | 0.63     | 51.97  |
| 2420         | 0.61     | 51.02  |
| 2430         | 0.59     | 50.01  |
| 2440         | 0.66     | 49.77  |
| 2450         | 0.88     | 50.25  |
| 2460         | 0.99     | 49.94  |
| 2470         | 1.22     | 51.5   |
| 2480         | 1.35     | 51.84  |
| 2490         | 1.4      | 52     |
| 2500         | 1.31     | 52.21  |

## 2、2D&3D pattern



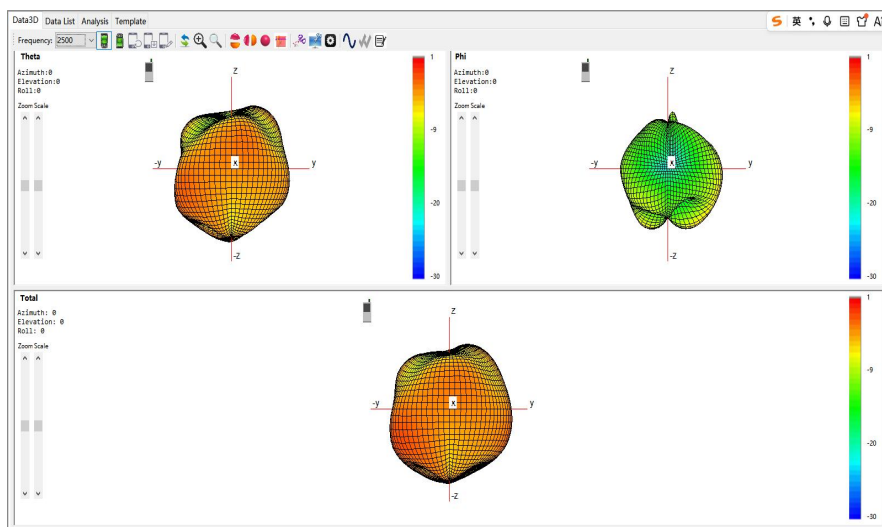
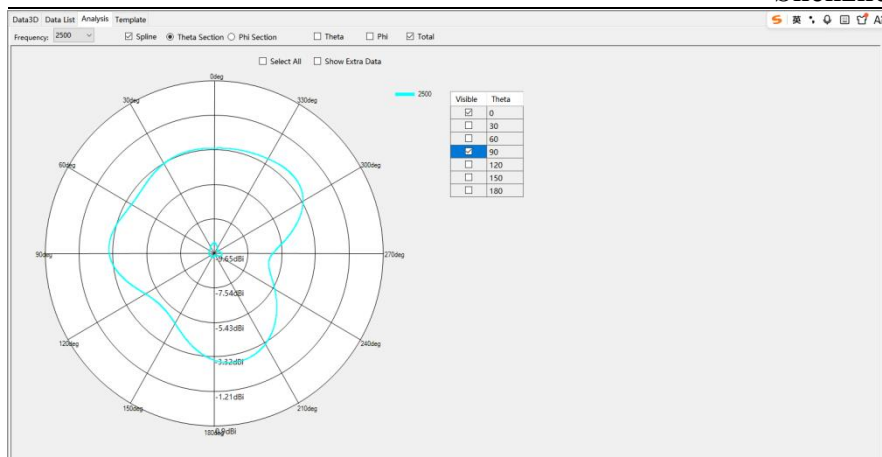


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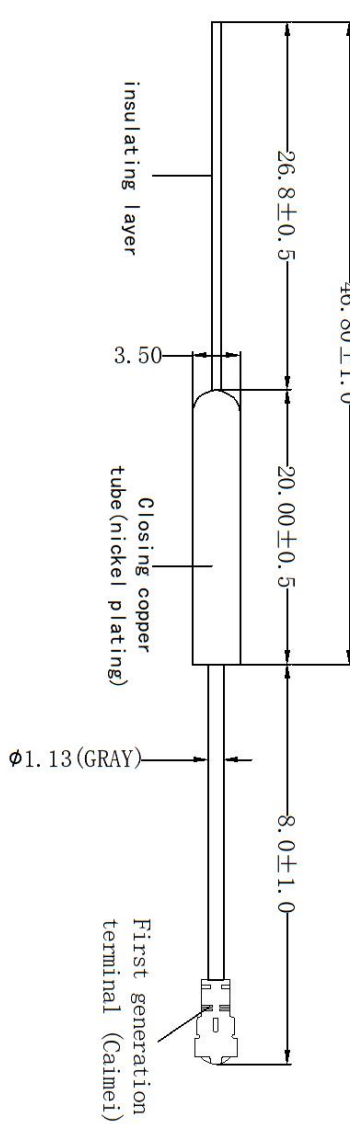




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### 3. 产品图 Product Drawing

| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2           | 3          | 4              | 5                    | 6                 |                            |            |             |  |                 |  |              |  |      |  |     |    |  |     |              |         |  |            |  |    |    |  |      |                      |  |  |     |  |   |      |  |      |          |  |  |     |  |   |      |  |      |                |        |  |         |  |      |             |            |                |         |                   |  |      |    |   |  |   |  |   |   |   |       |             |  |  |  |  |  |  |  |    |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------|----------------|----------------------|-------------------|----------------------------|------------|-------------|--|-----------------|--|--------------|--|------|--|-----|----|--|-----|--------------|---------|--|------------|--|----|----|--|------|----------------------|--|--|-----|--|---|------|--|------|----------|--|--|-----|--|---|------|--|------|----------------|--------|--|---------|--|------|-------------|------------|----------------|---------|-------------------|--|------|----|---|--|---|--|---|---|---|-------|-------------|--|--|--|--|--|--|--|----|--|
| <div style="float: right; text-align: right;">           Environmental requirements : ROHS <input checked="" type="checkbox"/> REACH <input type="checkbox"/> No         </div> <div style="clear: both;"></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |            |                |                      |                   |                            |            |             |  |                 |  |              |  |      |  |     |    |  |     |              |         |  |            |  |    |    |  |      |                      |  |  |     |  |   |      |  |      |          |  |  |     |  |   |      |  |      |                |        |  |         |  |      |             |            |                |         |                   |  |      |    |   |  |   |  |   |   |   |       |             |  |  |  |  |  |  |  |    |  |
| <div style="float: right;">           Technical Requirements<br/>           1: * "Important dimension annotation<br/>           2: Comparison test graph of antenna voltage standing wave ratio;<br/>           3: The antenna welding part is firm and the cable size is accurate;<br/>           4: The product must comply with the EU RoHS requirements.         </div> <div style="clear: both;"></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |            |                |                      |                   |                            |            |             |  |                 |  |              |  |      |  |     |    |  |     |              |         |  |            |  |    |    |  |      |                      |  |  |     |  |   |      |  |      |          |  |  |     |  |   |      |  |      |                |        |  |         |  |      |             |            |                |         |                   |  |      |    |   |  |   |  |   |   |   |       |             |  |  |  |  |  |  |  |    |  |
| <b>Shenzhen HamyWe Technology Co., Ltd</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |            |                |                      |                   |                            |            |             |  |                 |  |              |  |      |  |     |    |  |     |              |         |  |            |  |    |    |  |      |                      |  |  |     |  |   |      |  |      |          |  |  |     |  |   |      |  |      |                |        |  |         |  |      |             |            |                |         |                   |  |      |    |   |  |   |  |   |   |   |       |             |  |  |  |  |  |  |  |    |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4">unmated tolerance standard</th> <th colspan="2">Type of machine</th> <th colspan="2">Product name</th> <th colspan="2">Date</th> </tr> </thead> <tbody> <tr> <td>XXX</td> <td>±5</td> <td></td> <td>0.1</td> <td>X3590-ABM600</td> <td colspan="2">2.4G-TX</td> <td colspan="2">2026.07.07</td> </tr> <tr> <td>XX</td> <td>±1</td> <td></td> <td>0.05</td> <td>X3594-ABM600-2.4G-TX</td> <td colspan="2"></td> <td colspan="2">M D</td> </tr> <tr> <td>X</td> <td>±0.5</td> <td></td> <td>0.05</td> <td>material</td> <td colspan="2"></td> <td colspan="2">R P</td> </tr> <tr> <td>X</td> <td>±0.2</td> <td></td> <td>0.05</td> <td>pages in total</td> <td colspan="2">page 1</td> <td colspan="2">Auditor</td> </tr> <tr> <td>mark</td> <td>change date</td> <td>Changed by</td> <td>Content-Change</td> <td>remarks</td> <td colspan="2">First perspective</td> <td>unit</td> <td>mm</td> </tr> <tr> <td>1</td> <td></td> <td>2</td> <td></td> <td>3</td> <td>4</td> <td>5</td> <td>scale</td> <td>Fig edition</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>VI</td> <td></td> </tr> </tbody> </table> |             |            |                |                      |                   | unmated tolerance standard |            |             |  | Type of machine |  | Product name |  | Date |  | XXX | ±5 |  | 0.1 | X3590-ABM600 | 2.4G-TX |  | 2026.07.07 |  | XX | ±1 |  | 0.05 | X3594-ABM600-2.4G-TX |  |  | M D |  | X | ±0.5 |  | 0.05 | material |  |  | R P |  | X | ±0.2 |  | 0.05 | pages in total | page 1 |  | Auditor |  | mark | change date | Changed by | Content-Change | remarks | First perspective |  | unit | mm | 1 |  | 2 |  | 3 | 4 | 5 | scale | Fig edition |  |  |  |  |  |  |  | VI |  |
| unmated tolerance standard                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |            |                | Type of machine      |                   | Product name               |            | Date        |  |                 |  |              |  |      |  |     |    |  |     |              |         |  |            |  |    |    |  |      |                      |  |  |     |  |   |      |  |      |          |  |  |     |  |   |      |  |      |                |        |  |         |  |      |             |            |                |         |                   |  |      |    |   |  |   |  |   |   |   |       |             |  |  |  |  |  |  |  |    |  |
| XXX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ±5          |            | 0.1            | X3590-ABM600         | 2.4G-TX           |                            | 2026.07.07 |             |  |                 |  |              |  |      |  |     |    |  |     |              |         |  |            |  |    |    |  |      |                      |  |  |     |  |   |      |  |      |          |  |  |     |  |   |      |  |      |                |        |  |         |  |      |             |            |                |         |                   |  |      |    |   |  |   |  |   |   |   |       |             |  |  |  |  |  |  |  |    |  |
| XX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ±1          |            | 0.05           | X3594-ABM600-2.4G-TX |                   |                            | M D        |             |  |                 |  |              |  |      |  |     |    |  |     |              |         |  |            |  |    |    |  |      |                      |  |  |     |  |   |      |  |      |          |  |  |     |  |   |      |  |      |                |        |  |         |  |      |             |            |                |         |                   |  |      |    |   |  |   |  |   |   |   |       |             |  |  |  |  |  |  |  |    |  |
| X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ±0.5        |            | 0.05           | material             |                   |                            | R P        |             |  |                 |  |              |  |      |  |     |    |  |     |              |         |  |            |  |    |    |  |      |                      |  |  |     |  |   |      |  |      |          |  |  |     |  |   |      |  |      |                |        |  |         |  |      |             |            |                |         |                   |  |      |    |   |  |   |  |   |   |   |       |             |  |  |  |  |  |  |  |    |  |
| X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ±0.2        |            | 0.05           | pages in total       | page 1            |                            | Auditor    |             |  |                 |  |              |  |      |  |     |    |  |     |              |         |  |            |  |    |    |  |      |                      |  |  |     |  |   |      |  |      |          |  |  |     |  |   |      |  |      |                |        |  |         |  |      |             |            |                |         |                   |  |      |    |   |  |   |  |   |   |   |       |             |  |  |  |  |  |  |  |    |  |
| mark                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | change date | Changed by | Content-Change | remarks              | First perspective |                            | unit       | mm          |  |                 |  |              |  |      |  |     |    |  |     |              |         |  |            |  |    |    |  |      |                      |  |  |     |  |   |      |  |      |          |  |  |     |  |   |      |  |      |                |        |  |         |  |      |             |            |                |         |                   |  |      |    |   |  |   |  |   |   |   |       |             |  |  |  |  |  |  |  |    |  |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             | 2          |                | 3                    | 4                 | 5                          | scale      | Fig edition |  |                 |  |              |  |      |  |     |    |  |     |              |         |  |            |  |    |    |  |      |                      |  |  |     |  |   |      |  |      |          |  |  |     |  |   |      |  |      |                |        |  |         |  |      |             |            |                |         |                   |  |      |    |   |  |   |  |   |   |   |       |             |  |  |  |  |  |  |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |             |            |                |                      |                   |                            | VI         |             |  |                 |  |              |  |      |  |     |    |  |     |              |         |  |            |  |    |    |  |      |                      |  |  |     |  |   |      |  |      |          |  |  |     |  |   |      |  |      |                |        |  |         |  |      |             |            |                |         |                   |  |      |    |   |  |   |  |   |   |   |       |             |  |  |  |  |  |  |  |    |  |



#### 4. 制造商地址 Manufacturer Address

地址：广东省深圳市宝安区石岩街道黄蜂岭工业大道 4 号艾美特电器公司 D 栋 4 楼和鸣微（13 号电梯）

4th Floor, Building D, Airmate Electrical Appliances Co., Ltd., No. 4 Huangfengling Industrial Avenue, Shiyan Subdistrict, Bao'an District, Shenzhen City, Guangdong Province, P.R.China (He Mingwei, Elevator No. 13)