



Document development / revision / abolished CV

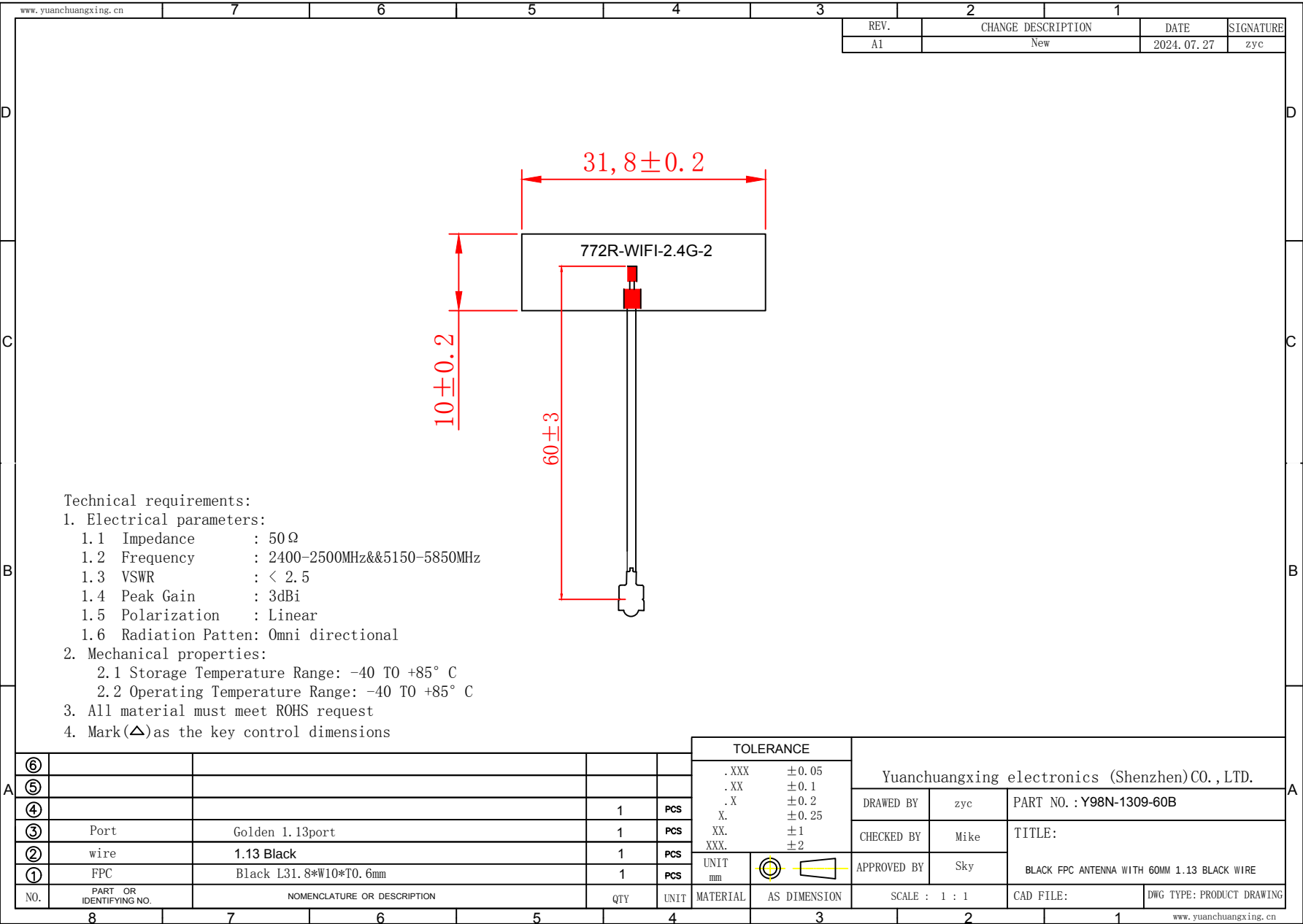
[illegible]

---

### 3. Directory

|                                                              |   |
|--------------------------------------------------------------|---|
| 1. Cover.....                                                | 1 |
| 2. Document formulation / revision / abolition of the resume | 2 |
| 3. Directory.....                                            | 3 |
| 4. Product drawings.....                                     | 4 |
| 5. passive performance test parameters.....                  | 5 |
| 6. 2D, 3D performance Fig .....                              | 7 |
| 7. Electrical performance test report.....                   | 7 |
| 8. Reliability test report .....                             | 8 |

4、 product drawing



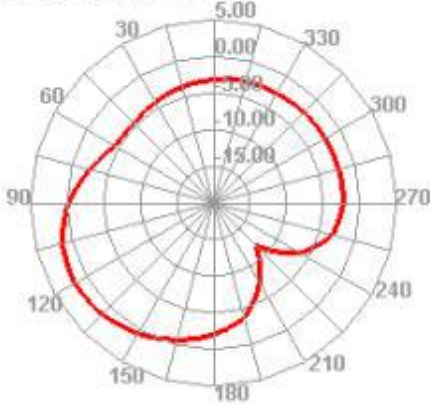
## 5. passive performance test parameters



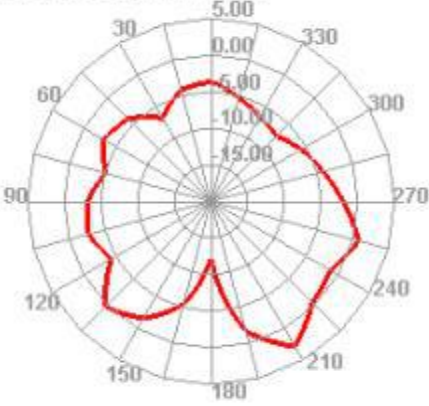
6, 2D and 3D performance Fig

| Passive Test For WiFi |          |            |  |  |
|-----------------------|----------|------------|--|--|
| Freq (MHz)            | Effi (%) | Gain (dBi) |  |  |
| 2400                  | 53       | 3.42       |  |  |
| 2450                  | 54       | 3.10       |  |  |
| 2500                  | 54       | 3.17       |  |  |
| 5150                  | 62       | 2.80       |  |  |
| 5500                  | 67       | 2.91       |  |  |
| 5850                  | 66       | 2.96       |  |  |

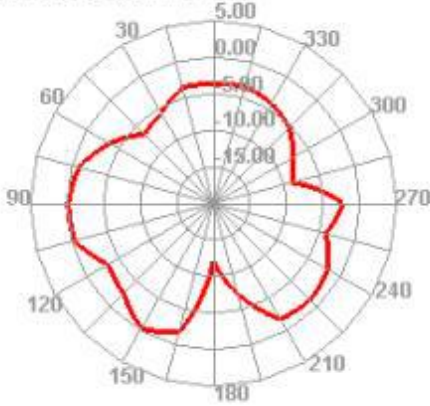
2400.000MHz H



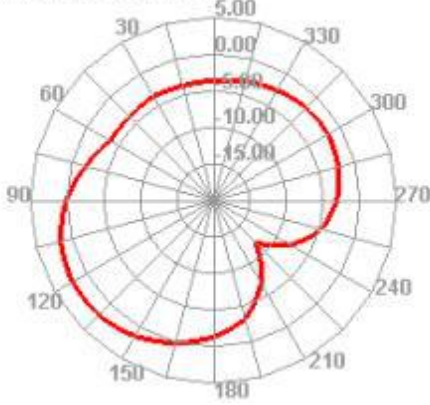
2400.000MHz E1



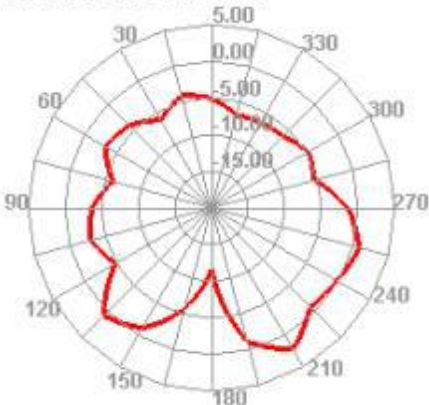
2400.000MHz E2



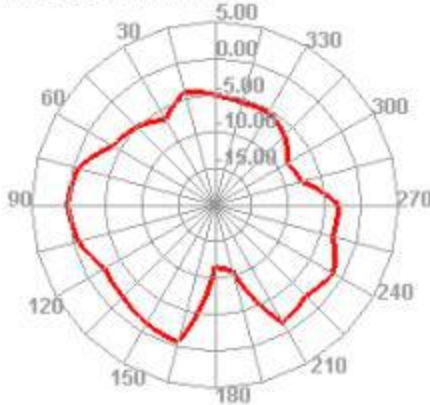
2450.000MHz H



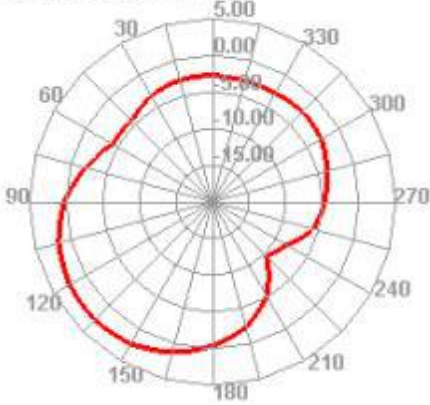
2450.000MHz E1



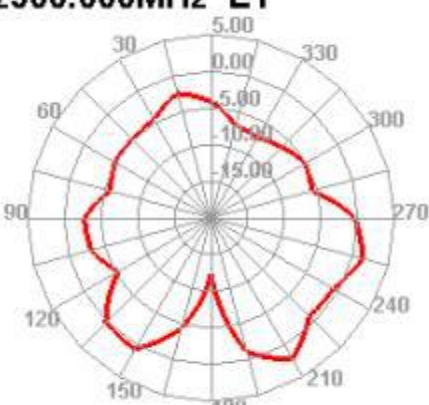
2450.000MHz E2



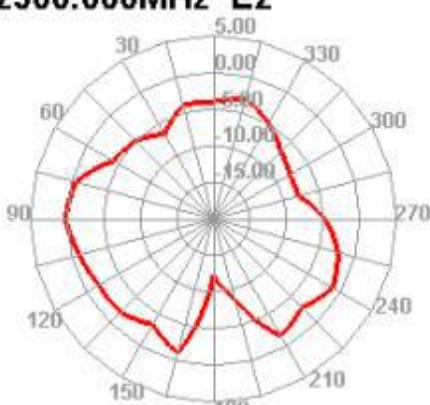
2500.000MHz H



2500.000MHz E1



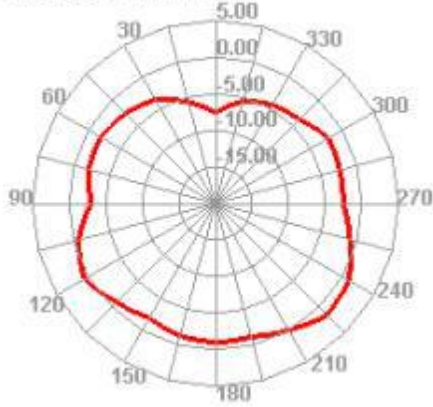
2500.000MHz E2



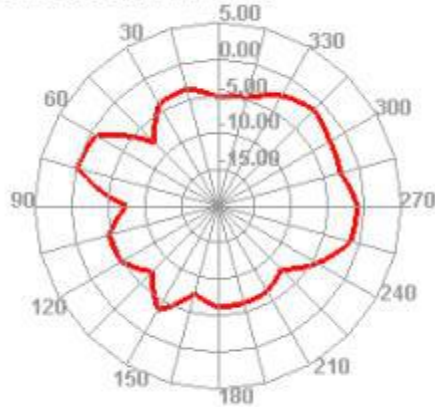
---

6, 2D, and 3D performance Fig

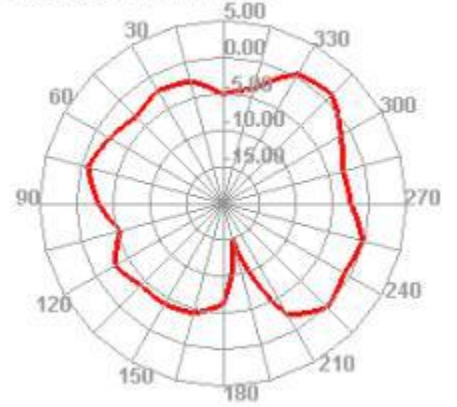
**5150.000MHz H**



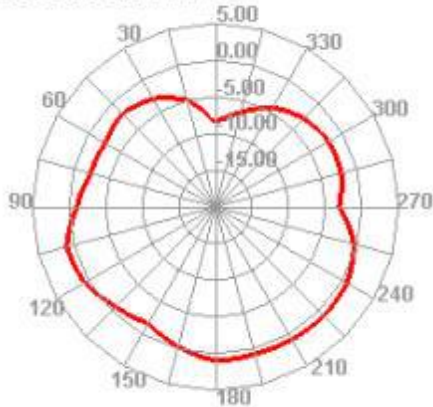
**5150.000MHz E1**



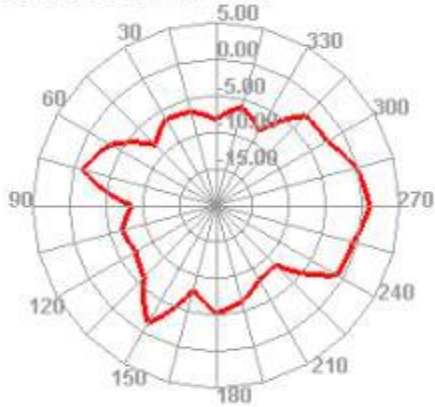
**5150.000MHz E2**



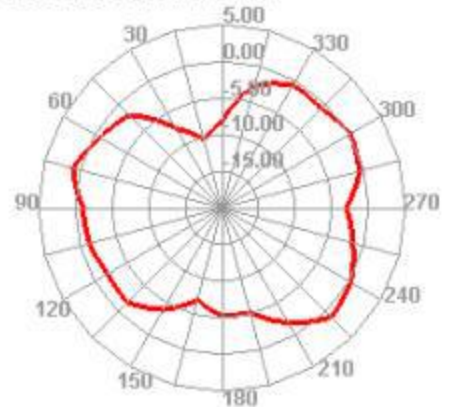
**5500.000MHz H**



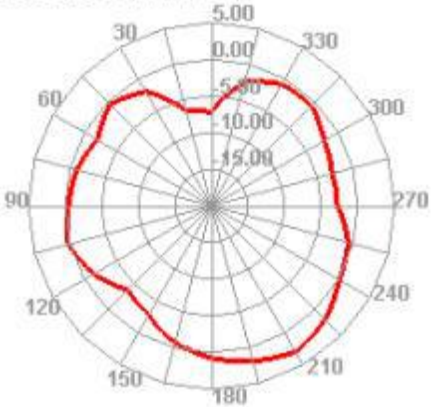
**5500.000MHz E1**



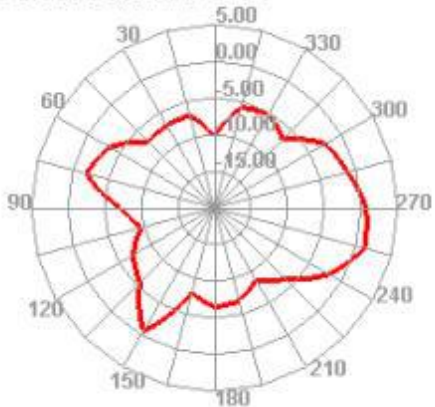
**5500.000MHz E2**



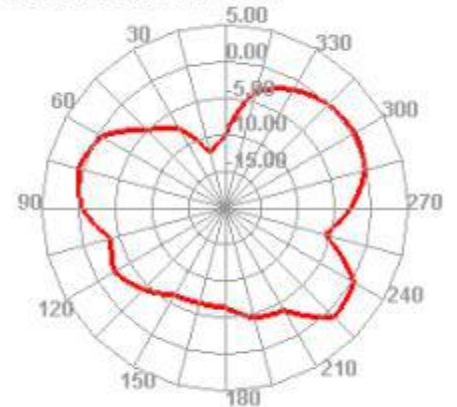
**5850.000MHz H**



**5850.000MHz E1**



**5850.000MHz E2**



---

## 7. Electrical performance parameters

| Electrical parameters  |                                                                            |
|------------------------|----------------------------------------------------------------------------|
| frequency range        | 2.4GHz-2.5GHz&&5.15-5.85Ghz                                                |
| input impedance        | 50Ω                                                                        |
| standing-wave ratio    | <2.5 Test figure of the control sample                                     |
| gain                   | 2.4G Maximum antenna gain --3.42dBi<br>5.8G Maximum antenna gain --2.96dBi |
| Polarization mode      | vertical polarization                                                      |
| radiation direction    | omnidirectional                                                            |
| attended mode          | IPEX                                                                       |
| Mechanical parameters  |                                                                            |
| See line long          |                                                                            |
| maintenance energy     |                                                                            |
| coax                   |                                                                            |
| Salt Spray Test        |                                                                            |
| enviromental parameter |                                                                            |
| working temperature    | -40~85℃                                                                    |

8. Reliability test report

8.1. Constant temperature and humidity test

|                                                                                                                                                                                                                                                                  |                              |                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------|
| Test / test items                                                                                                                                                                                                                                                | steady temperature damp test | Inspection sheet number     |
| Product name / specification                                                                                                                                                                                                                                     | The WIFI dual-band antenna   | Number of tests: 5 PCS      |
| Date of inspection: 2024-07-21                                                                                                                                                                                                                                   |                              | Completion date: 2024-07-22 |
| Test / inspection equipment:<br>1. Program-type constant temperature and humidity test box 2.8753 ES<br>network analyzer                                                                                                                                         |                              |                             |
| Test / Inspection Conditions:<br>1. Test for 12H at constant temperature-40℃<br>2. + 85 ° 65 ~ 70% RH test 12H, a total of 24 hours;                                                                                                                             |                              |                             |
| end of test                                                                                                                                                                                                                                                      |                              |                             |
| requirement:<br>1. No cracks and separation on the metal surface; the non-metallic part should not have discoloration, cracking, deformation, glue and other bad;<br>2. The electrical test meets the standard requirements; the voltage ratio test is qualified |                              |                             |
|                                                                                                                                                                                                                                                                  |                              |                             |
| Test / inspection judgment: <input checked="" type="checkbox"/> qualified <input type="checkbox"/> unqualified <input type="checkbox"/> is not determined                                                                                                        |                              |                             |
| Test: Li Chunqiang, audit: Wang Chunjiang                                                                                                                                                                                                                        |                              |                             |

8.2 Hot and cold shock of high and low temperature

|                                                                                                                                                                                                                                                                                          |                                             |                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|-----------------------------|
| Test / test items                                                                                                                                                                                                                                                                        | High and low temperature hot and cold shock | Inspection sheet number     |
| Product name / specification                                                                                                                                                                                                                                                             | The WIFI dual-band antenna                  | Number of tests: 5 PCS      |
| Date of inspection: 2024-07-21                                                                                                                                                                                                                                                           |                                             | Completion date: 2024-07-22 |
| Test / inspection equipment:<br>1. High and low temperature alternating wet heat box 2.8753<br>ES network analyzer                                                                                                                                                                       |                                             |                             |
| Test / Inspection Conditions:<br>-30℃ (2H) - -80℃ (2H) interval, 6 cycles, a total of 24 hours;                                                                                                                                                                                          |                                             |                             |
| end of test                                                                                                                                                                                                                                                                              |                                             |                             |
| requirement:<br>3. The metal surface coating shall not be peeling, cracking, separation, etc.; the non-metallic part shall not have discoloration, cracking, deformation, bonding and other bad;<br>4. The electrical test meets the standard; the voltage wave ratio test is qualified. |                                             |                             |
|                                                                                                                                                                                                                                                                                          |                                             |                             |
| Test / inspection judgment: <input checked="" type="checkbox"/> qualified <input type="checkbox"/> unqualified <input type="checkbox"/> is not determined                                                                                                                                |                                             |                             |
| Test: Li Chunqiang, audit: Wang Chunjiang                                                                                                                                                                                                                                                |                                             |                             |

| Specification for sample inspection of structural parts                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                             |                                                                                                                                         |
|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| The test results of the structural parts samples shall include the following contents: |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                             |                                                                                                                                         |
| class                                                                                  | Specification project                                                                                                                                                                                                                                                                                                                                                                                                                                | class                                                       | Specification project                                                                                                                   |
| ①<br>appear<br>ance &<br>regulati<br>ons<br>The<br>test                                | 1, check the surface whether there is any water lines, air lines, shrinkage, white, scraping, touch injury, material flowers, oil traces, etc                                                                                                                                                                                                                                                                                                        | ③<br>Reliabili<br>ty<br>perfor<br>mance<br>test             | 1. Storage temperature range                                                                                                            |
|                                                                                        | 2, check whether there is batch peak, glue column, limit, hole, window, slot, uneven glue, broken column, edge collapse, water mouth shear flat, crisp material, etc                                                                                                                                                                                                                                                                                 |                                                             | 2. Operating temperature range                                                                                                          |
|                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                             | 3. Flame resistance                                                                                                                     |
|                                                                                        | 3, attack the corresponding specifications of screws, can not have white, burst or slippery teeth                                                                                                                                                                                                                                                                                                                                                    |                                                             | 4. Drop test                                                                                                                            |
|                                                                                        | 4. Check the surface treatment (oil injection, screen printing, bronzing color, screen stamping content, treatment effect:<br>① screen stamping- -whether there is incomplete, teeth, fat, weight, uneven thickness and leakage; ② oil stamping- - whether uniform oil color, Yin and Yang color, grain, scratch, color, burning and impurities, etc., screen printing and hot stamping position, whether there is deviation, deviation and mismatch |                                                             | 5.3M adhesive paper / white case / rubber / alcohol (75%~80% concentration) test (4 items, for screen printing oil injection materials) |
|                                                                                        | Inspection result:<br>qualified                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                             | Inspection result: qualified                                                                                                            |
|                                                                                        | remarks                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                             | remarks                                                                                                                                 |
| ②<br>size &<br>machi<br>ne<br>Equipme<br>nt<br>perform<br>ance                         | 1. Drawing size inspection (according to the tolerance range, focus on checking the CPK marked or specified size)                                                                                                                                                                                                                                                                                                                                    | ④<br>materia<br>l<br>quality<br>& pack<br>Wait<br>for<br>⑤⑥ | 1. Confirmation of the material and composition report                                                                                  |
|                                                                                        | 2, leveling test and other accessories to cooperate with the tightness confirmation                                                                                                                                                                                                                                                                                                                                                                  |                                                             | 2. Packaging mode and other precautions:                                                                                                |
|                                                                                        | 3, lens, light guide column light transmission test confirmation                                                                                                                                                                                                                                                                                                                                                                                     |                                                             |                                                                                                                                         |
|                                                                                        | Inspection result: qualified                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                             | Inspection result: qualified                                                                                                            |
|                                                                                        | remarks                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                             | remarks                                                                                                                                 |
| Sample test results: qualified inspection person in charge: Zheng Yunxia               |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                             |                                                                                                                                         |