

# A letter of recognition

DESCRIBE: Anker Innovations Co., LTD (T8531)

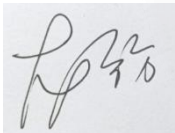
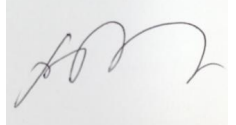
Customer NO: 5619990061621

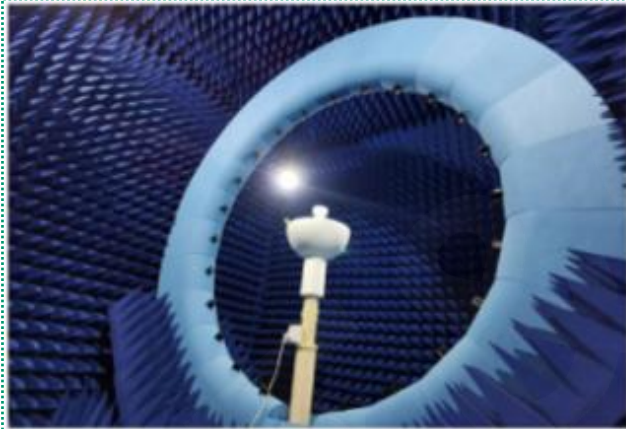
PART NO: ATC1384-HY058B11RB

Antenna type: 2.4G BT ANT STAMPING

DATE: 2023.08.28

PROVIDER: AT&C TECHNOLOGIES(SHENZHEN) CO. LTD

| Customer<br>Admit | confirm | ID Department                                                                       | Test department | Structure section | Quality department                                                                    |
|-------------------|---------|-------------------------------------------------------------------------------------|-----------------|-------------------|---------------------------------------------------------------------------------------|
|                   |         |                                                                                     |                 |                   |                                                                                       |
| Supplier<br>Admit | confirm | confirm                                                                             | Proofreading    | To examine        | Approval                                                                              |
|                   |         |  | Zhangwanzhe     | Xuliying          |  |



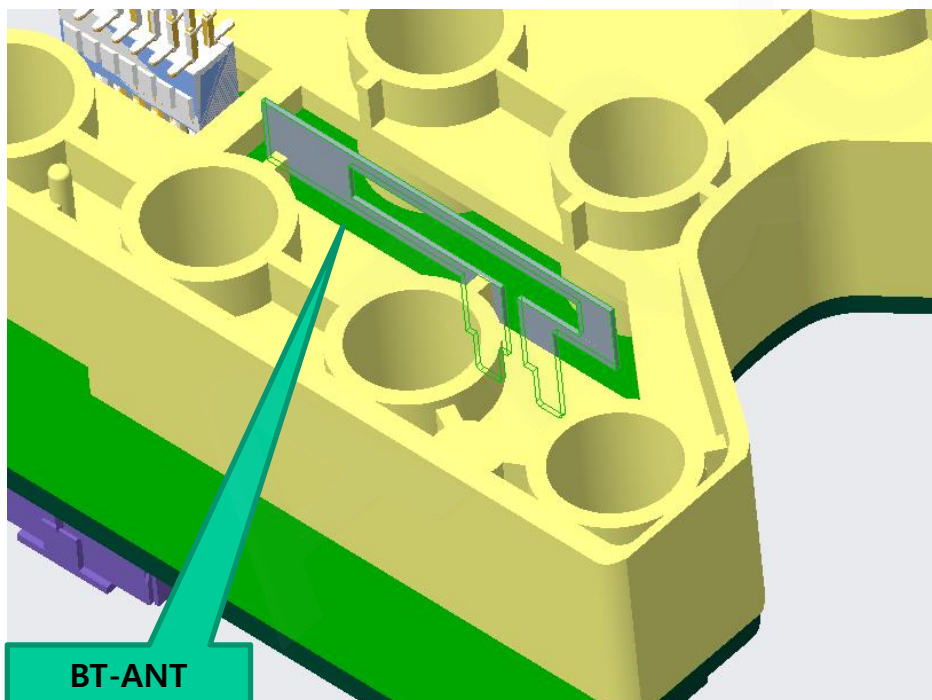
We have RF equipments as below

## Anechoic Chambe

- Satimo 1ea
- SY24 1ea
- SAR 1ea
- KSS 2ea

## Measurement

- 2G, 3G, 4G
- GPS
- Wifi
- Bluetooth(3.0) OTA
- NFC & WPC



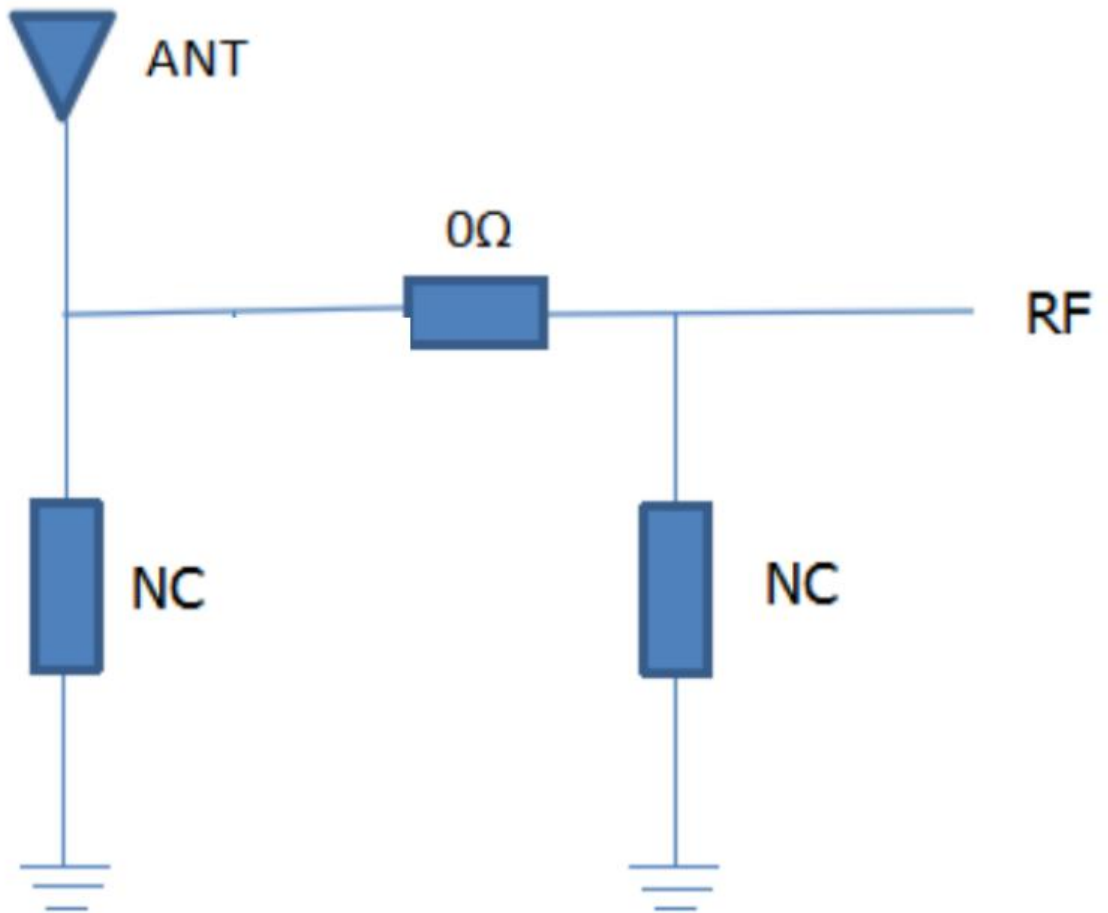


# BOM

|             |                    |             |      |               |            |
|-------------|--------------------|-------------|------|---------------|------------|
| Customer    | Anke               | Written By  | LNF  | Orig. Date    | 2023.08.28 |
| part Number | ATC1384-HY058B11RA | Revised By  | SHIN | Revised Date  | 2023.08.28 |
| Description | BT-ANT             | Approved By | HJ   | Approved Date | 2023.08.28 |

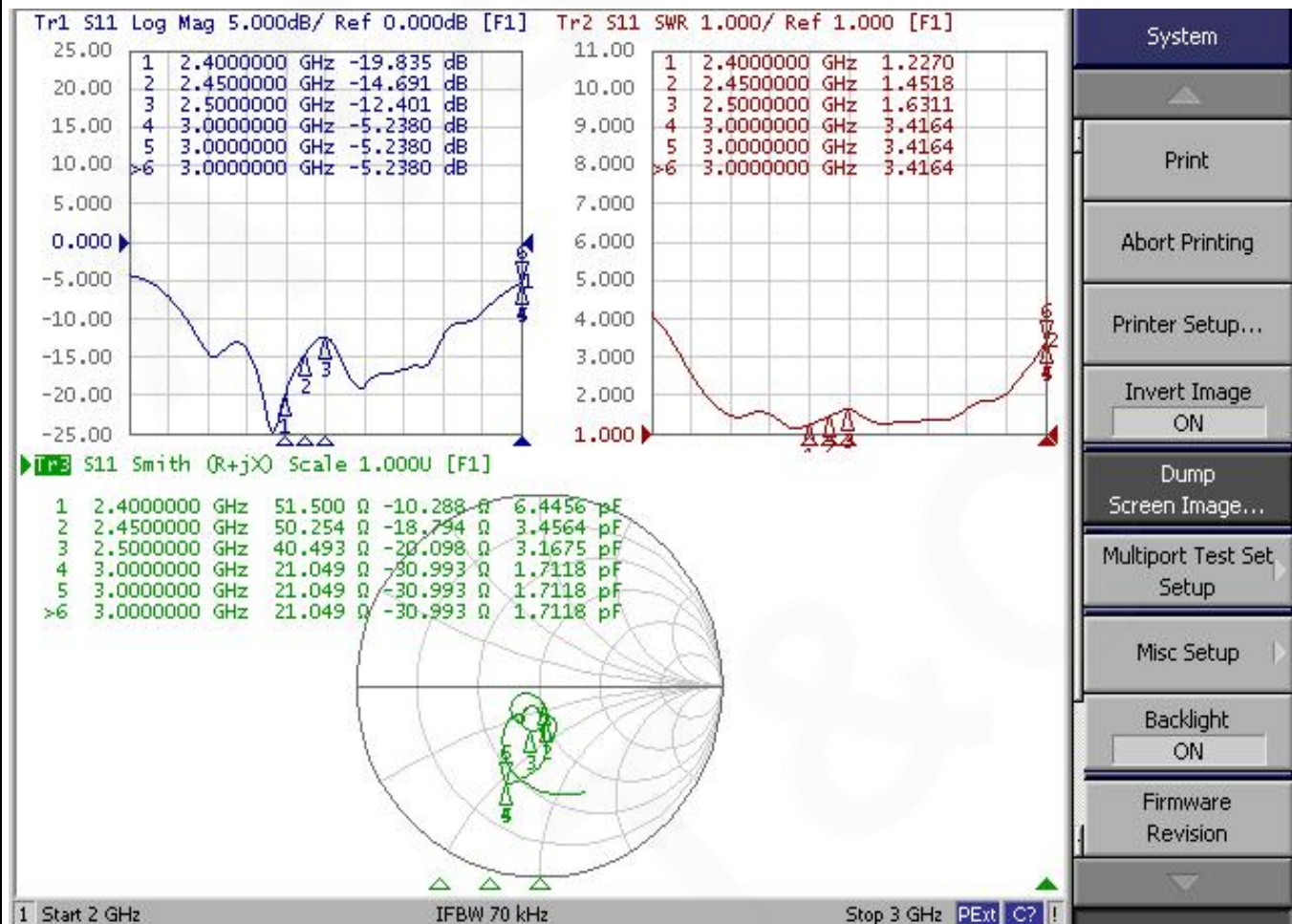
|                 |                    |                                        |
|-----------------|--------------------|----------------------------------------|
| Customer number | ATC number         | Part name                              |
| 5619990061621   | ATC1384-HY058B11RA | BT ANT SUS304/1/2H T=0.3Nickel plating |

## Antenna impedance matching



**No antenna matching modification**

|             |                    |             |      |               |            |
|-------------|--------------------|-------------|------|---------------|------------|
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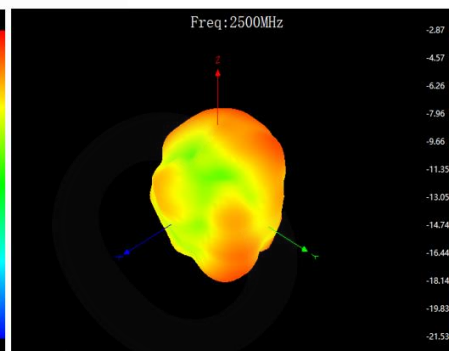
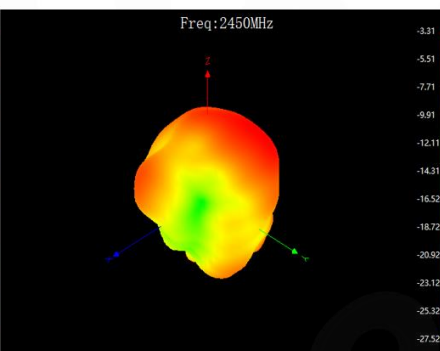
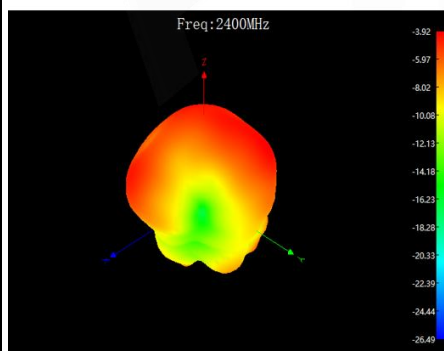
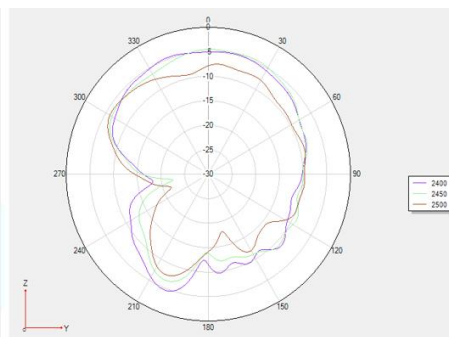
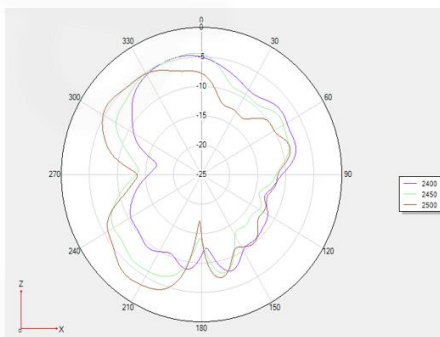
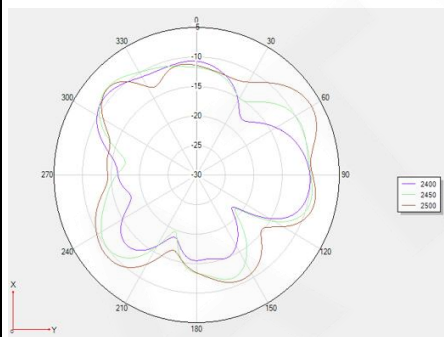


## (2.4G) Passive Test Results

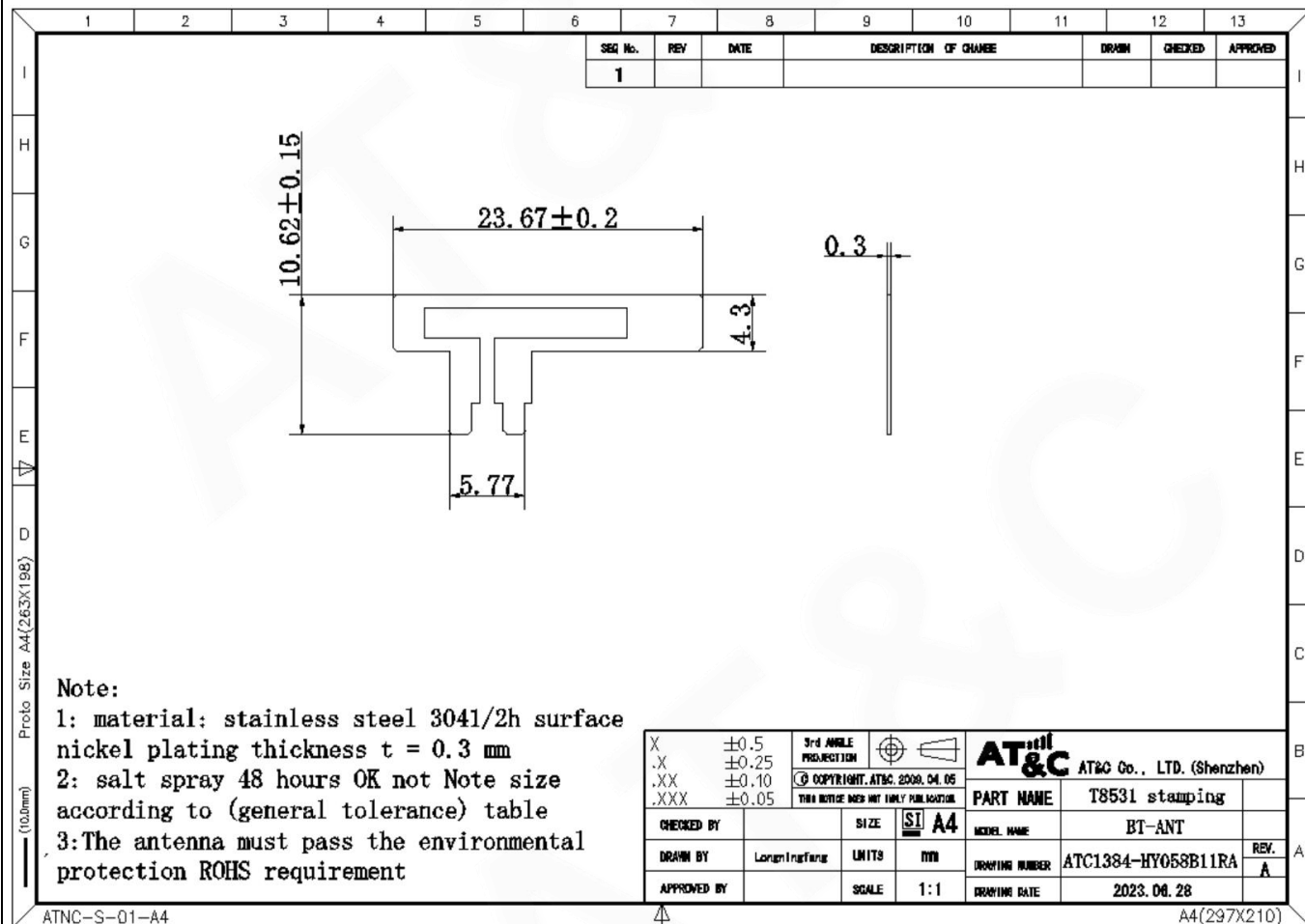
| Frequency (MHz) | Efficiency (%) | Max Gain (dBi) |
|-----------------|----------------|----------------|
| 2400            | 23.00          | -1.92          |
| 2410            | 22.33          | -1.25          |
| 2420            | 21.89          | -1.40          |
| 2430            | 22.22          | -1.62          |
| 2440            | 22.65          | -1.50          |
| 2450            | 23.90          | -1.31          |
| 2460            | 24.96          | -1.55          |
| 2470            | 25.21          | -1.95          |
| 2480            | 25.45          | -0.07          |
| 2490            | 25.35          | -1.08          |
| 2500            | 24.49          | -1.87          |
| AVERAGE         | 23.77          | -1.41          |

# Directional pattern TEST

|             |                    |             |      |               |            |
|-------------|--------------------|-------------|------|---------------|------------|
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| part Number | ATC1384-HY058B11RA | Revised By  | SHIN | Revised Date  | 2023.08.28 |
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|             |                    |             |      |               |            |
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# Size Report

|             |                    |             |      |               |            |
|-------------|--------------------|-------------|------|---------------|------------|
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| Size information |                    |           |                 |                 | Measuring sample |       |       | % Tolerance |       | Handling opinions |                          |                          |                |
|------------------|--------------------|-----------|-----------------|-----------------|------------------|-------|-------|-------------|-------|-------------------|--------------------------|--------------------------|----------------|
| number           | Dimension property | Dimension | Lower tolerance | Upper tolerance | 1                | 2     | 3     | Upper       | Lower | determine         | Supplier review comments | Customer review comments | Measuring tool |
| 1                | key point          | 23.67     | -0.20           | 0.20            | 23.65            | 23.67 | 23.69 |             |       | PASS              |                          |                          | PJ             |
| 2                | key point          | 10.62     | -0.15           | 0.15            | 10.65            | 10.61 | 10.63 |             |       | PASS              |                          |                          | PJ             |
| 3                | key point          | 5.77      | -0.10           | 0.10            | 5.79             | 5.80  | 5.76  |             |       | PASS              |                          |                          | PJ             |
| 4                | key point          | 0.3       | -0.05           | .0.05           | 0.30             | 0.3   | 0.3   |             |       | PASS              |                          |                          | PJ             |

|             |                    |             |      |               |            |
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## Aitern technology (shenzhen) co. LTD

Material specification report (material proof)

Atc1068-hy002c11ra appearance and function test report

### Appearance of the test

| Project | Appearance test contents and standards                                          | Result determination (OK/NG) |
|---------|---------------------------------------------------------------------------------|------------------------------|
| 1       | Product surface can not: oxidation, blade, imprint                              | OK                           |
| 2       | Product surface can not be: deformation, oil spot, improper trimming phenomenon | OK                           |
|         |                                                                                 |                              |
|         |                                                                                 |                              |
|         |                                                                                 |                              |
|         |                                                                                 |                              |
|         |                                                                                 |                              |
|         |                                                                                 |                              |
|         |                                                                                 |                              |
|         |                                                                                 |                              |
|         |                                                                                 |                              |
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|         |                                                                                 |                              |
|         |                                                                                 |                              |

Aitern technology (shenzhen) co. LTD

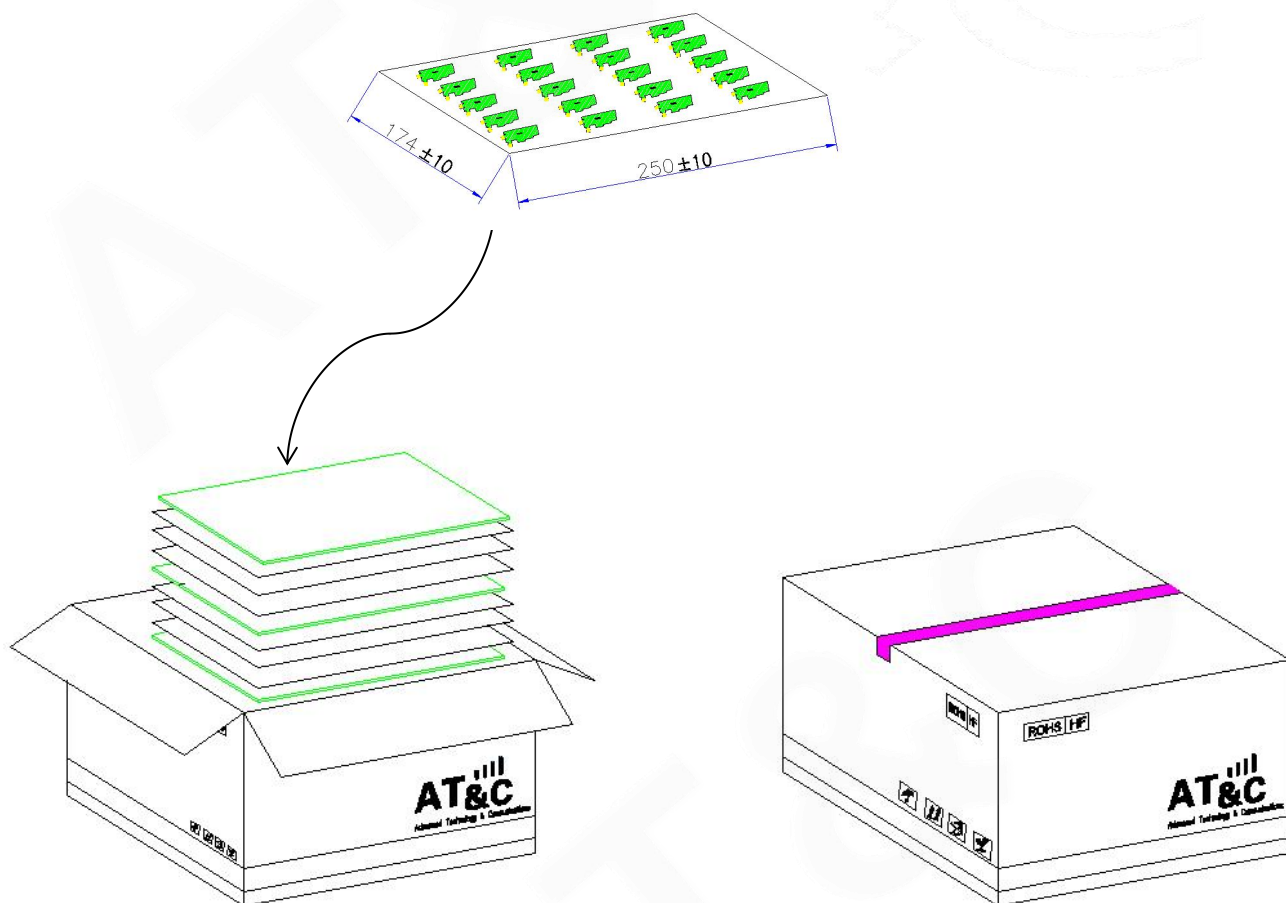
Address: room 201, chuangwei chuangu 5C, no.1 tangtou road, shiyan street, bao 'an district, shenzhenAT&C CO.,LTD

## Salt spray test report

|                                       |                                                                                                                                                                                                                                                |                 |                       |                 |             |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------------|-----------------|-------------|
| Item name                             | T8531 ANT                                                                                                                                                                                                                                      | Item type       | ATC-1384              | models          | T8531       |
| The experimental class                | Salt spray test                                                                                                                                                                                                                                | Number of items | 5 pcs                 | The researchers | Zhangxuemei |
| The experiment                        | Sample reliability verification                                                                                                                                                                                                                |                 |                       |                 |             |
| Experimental conditions               | Brine concentration for 5 plus or minus 1%, salt water barrels and the temperature of the laboratory to 35 + 2 °C, saturated air barrel temperature to 47 + 2 °C, PH: 6.5-7.5 KGF/cm2, spray quantity: 1-2 ml / 1 hr / 80 cm2, test time 48 h. |                 |                       |                 |             |
|                                       | Specific reference GBT 10125-1997 standard                                                                                                                                                                                                     |                 |                       |                 |             |
| Note:                                 |                                                                                                                                                                                                                                                |                 |                       |                 |             |
| The experiment on                     | 《Inspection standard for plated parts》                                                                                                                                                                                                         |                 |                       |                 |             |
| The equipment used:                   | Salt spray test chamber                                                                                                                                                                                                                        |                 |                       |                 |             |
| The experiment                        | <div></div>                                                              |                 |                       |                 |             |
| After the experiment                  | <div></div>                                                                                                                                                 |                 |                       |                 |             |
| The experimental conclusion:          | After the test, clean water was rinsed and the surface of the shrapnel was not oxidized, discolored or blackened for 2H;                                                                                                                       |                 |                       |                 |             |
| Tester/date: ren kangyong 2023.08..23 |                                                                                                                                                                                                                                                |                 | Audit: Pengguangliang |                 |             |

# Packaging method

**Tray packaging, product emissions neat, uniform quantity**



## **PART LIST**

The packing drawing is schematic diagram, which does not mean that the picture is the actual product and the actual shipment is the standard.

| NO | DESCRIPTION  | Q'TY   | MATERIAL | REMARKS | REV. |
|----|--------------|--------|----------|---------|------|
| 1  | ANTENNA      | 1/4000 | PET      | N/A     | A    |
| 2  | PAD OUT      | 1/4    | SW A콜 5T | N/A     | A    |
| 4  | CARTOON BOX  | -      | SW A콜 5T | N/A     | A    |
| 5  | PACKING TAPE | -      | PP       | N/A     | A    |
|    |              |        |          |         |      |