

# Shenzhen Yusheng Communication Equipment Co., Ltd

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## Sample acknowledgement

Customer Name: Shenzhen Sannuo Digital Technology Co., Ltd

Customer Material No./Model: 42300355/S-2341

Specifications: FPCB IPEX-1 2.4 G L = 120mm S-2341 Cable Tie S-2341-BT Coaxial FPC

RoHS REACH Yusheng

### Material Composition Test Report:

| Not | Material Quality                                  | Report No.                                                                     | Valid until                            |
|-----|---------------------------------------------------|--------------------------------------------------------------------------------|----------------------------------------|
| 1   | PI-CCL electrolytic flexible copper clad laminate | SHAEC24000428806/SHAEC24000428808                                              | 2025-01-12/2025-01-12                  |
| 2   | 3M 9471E Adhesive backing                         | Halogen: SHAEC23021627703<br>ROHS: SHAEC23021627701<br>REACH: CANEC24006898001 | 2024-12-27<br>2024-12-27<br>2025-04-16 |

Supplier Review Team:

| Make            | Audit           | Approval       | Date of sample delivery/company stamp |
|-----------------|-----------------|----------------|---------------------------------------|
| <u>Li Jieyi</u> | <u>Bl Yezhi</u> | <u>Li Shuo</u> | <u>2024-06-24</u>                     |

Customer (Sannuo) Review Team:

Recognition No.: Date of Edition

| <u>Acknowledge</u>                                                                                                | <u>Audit</u> | <u>Approve</u> | <u>Date of recognition</u> |
|-------------------------------------------------------------------------------------------------------------------|--------------|----------------|----------------------------|
|                                                                                                                   |              |                |                            |
| Evaluation items:-No less than 2 acceptance letters-Specifications/drawings-Test reports-Reliability test reports |              |                |                            |
| <input checked="" type="checkbox"/> Sample PCS-Safety Regulations-HSF_                                            |              |                |                            |
| Review conclusion:-Accepted-Conditionally Accepted-Rejected                                                       |              |                |                            |

## S-2341 Project Antenna Material Requirements Specification

Customer Name: Shenzhen Sannuo Digital Technology Co., Ltd

Customer Name: S-2341

Product Name: Bluetooth Antenna

Material Code: 42300355

### Resume of changes:

| Serial number | Version | Status        | Start and End Date | Responsible person | Page Number | Remark |
|---------------|---------|---------------|--------------------|--------------------|-------------|--------|
| 1             | R: A    | First edition | 2024-8-28          | Li Jieyi           | 11          |        |
|               |         |               |                    |                    |             |        |

### Supplier acknowledges signature:

| Owner/Date |                        | IQC/Date           | Review/Date        | Approval/Date                                                                         |
|------------|------------------------|--------------------|--------------------|---------------------------------------------------------------------------------------|
| MD         | <i>Bi Yezhi Wisdom</i> | <i>Su Guanfeng</i> | <i>Chen Kehong</i> |  |
| RF         | <i>Li Shuo</i>         |                    |                    |                                                                                       |

### The buyer acknowledges the signature (please send it back after acknowledgement):

| Purchaser judgment result:-Qualified-Unqualified |                   |                           |                                   |
|--------------------------------------------------|-------------------|---------------------------|-----------------------------------|
| Development Design Engineer/Date                 | SQE Engineer/Date | Purchase Responsible/Date | Development Manager Approval/Date |
|                                                  |                   |                           |                                   |

# Catalogue

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# 1. Overview

## 1.1 Scope of application

This requirement specifies the antenna technical requirements and material requirements specifications for S-2341 products.

This requirement applies to the antenna selection, testing and acceptance of S-2341 products.

## 1.2 Basic information of the project

|                    |                      |
|--------------------|----------------------|
| Antenna name:      | <b><u>S-2341</u></b> |
| Antenna frequency: | BT                   |
| Antenna material:  | FPC + coaxial line   |

# 2. Technical indicator requirements

## 2.1 Introduction to test items and equipment

| Checklist       | Test Items                       | Equipment                                        |
|-----------------|----------------------------------|--------------------------------------------------|
| S11 parameters  | Standing wave ratio, return loss | Network Analyzer                                 |
| Active testing  | TRP, TIS                         | Comprehensive tester, microwave anechoic chamber |
| Passive testing | Gain, Efficiency                 | Network Analyzer                                 |

## 2.2 Passive reporting

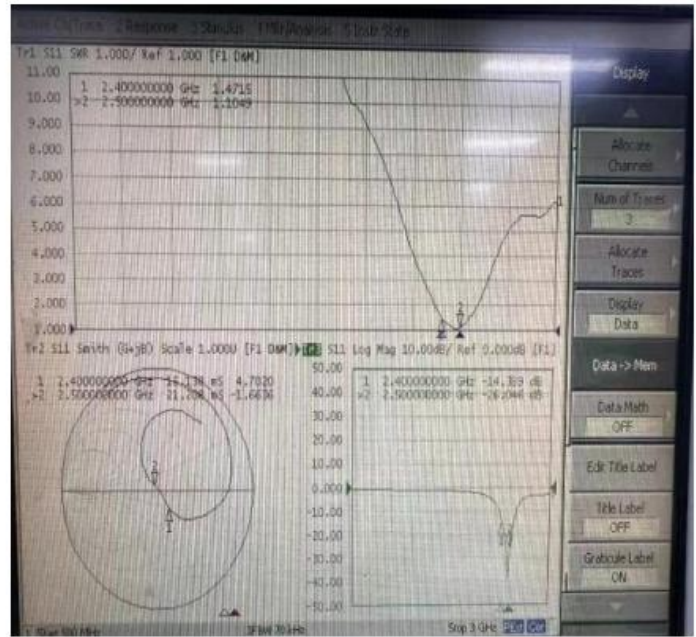
### 2.2. 1 Passive test instructions

Test Equipment: Network Analyzer

Test method: Use a 50 ohm CABLE CABLE to lead it from the test port of the instrument, connect it to the SMA connector of the hand tool after calibration with a calibration piece, and record the return loss or standing wave ratio corresponding to the relevant frequency point.

## 2.2. 2 BT passive data

| Freq   | Effi (%) | GAIN |
|--------|----------|------|
| 2400.0 | 50.3%    | 1.54 |
| 2410.0 | 50.9%    | 1.59 |
| 2420.0 | 51.5%    | 1.65 |
| 2430.0 | 52.4%    | 1.72 |
| 2440.0 | 53.2%    | 1.81 |
| 2450.0 | 53.6%    | 1.93 |
| 2460.0 | 52.7%    | 1.85 |
| 2470.0 | 52.1%    | 1.70 |
| 2480.0 | 51.5%    | 1.62 |

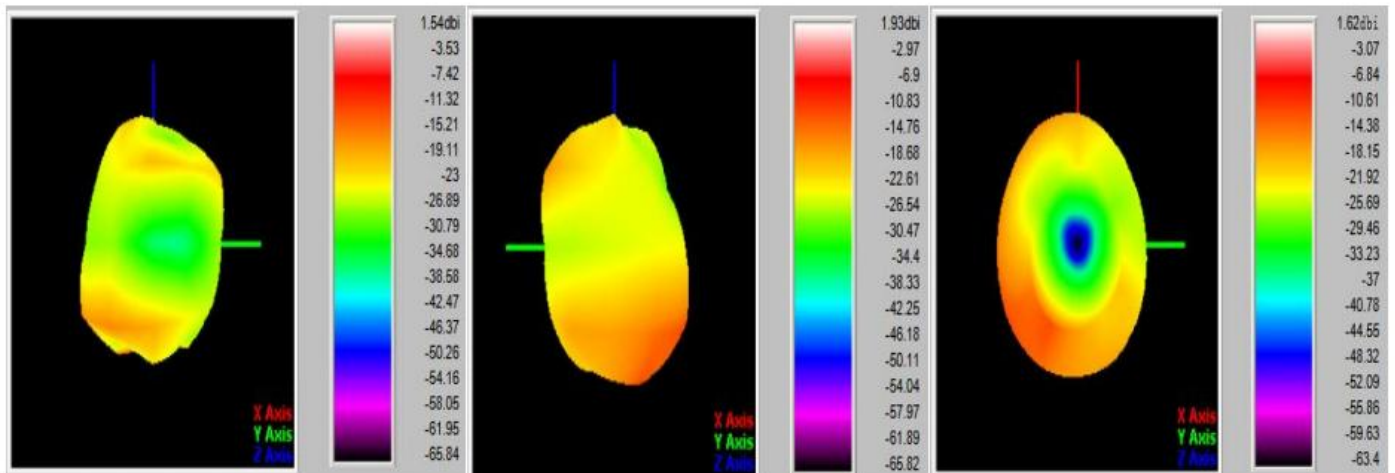


## 2.2. 3 BT-3D Direction diagram

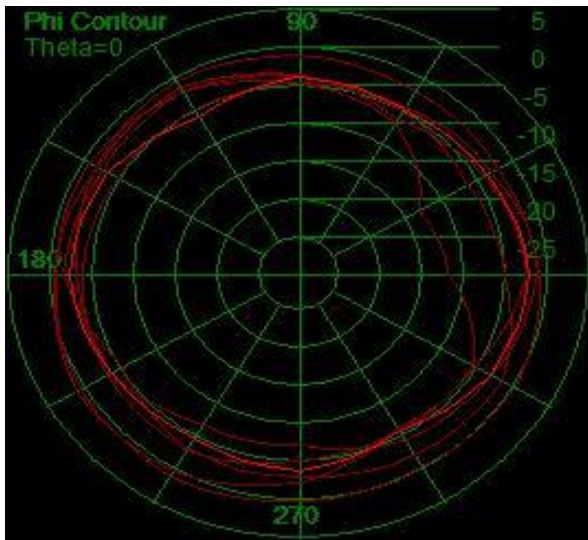
2400MHZ

2450MHZ

2480MHZ



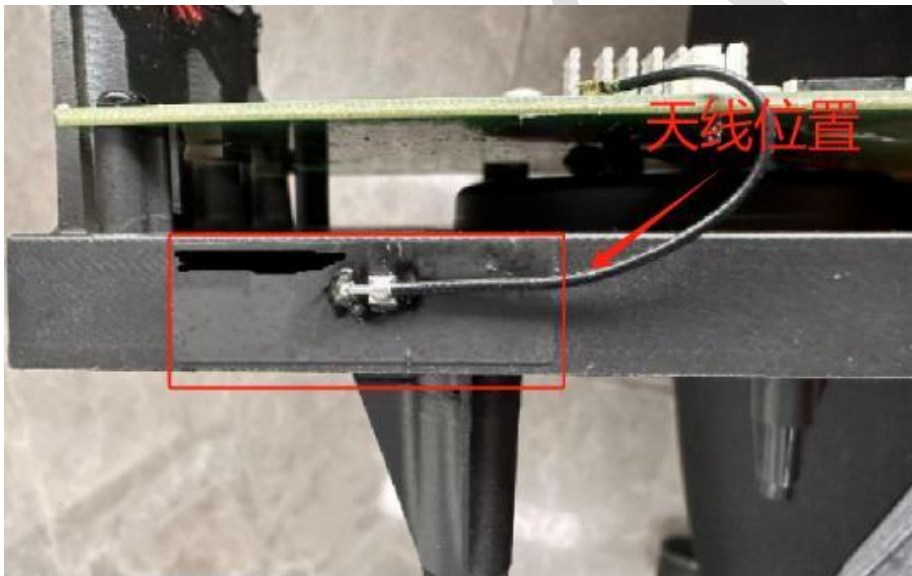
## 2.2. 4 BT- Direction diagram



2450MHZ

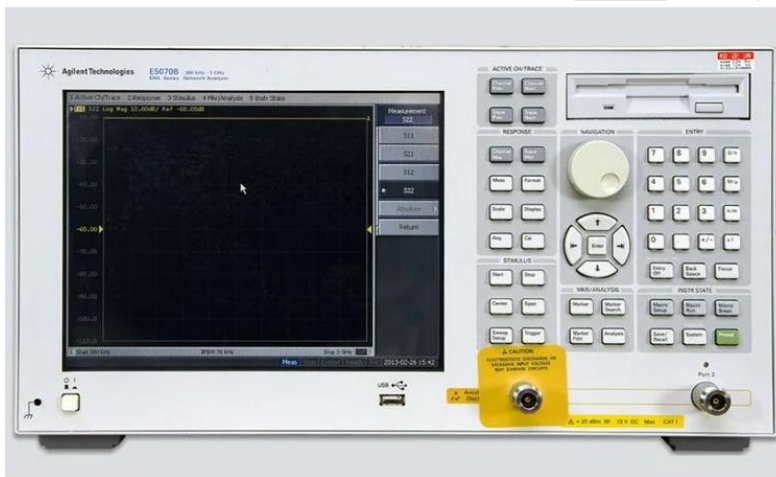
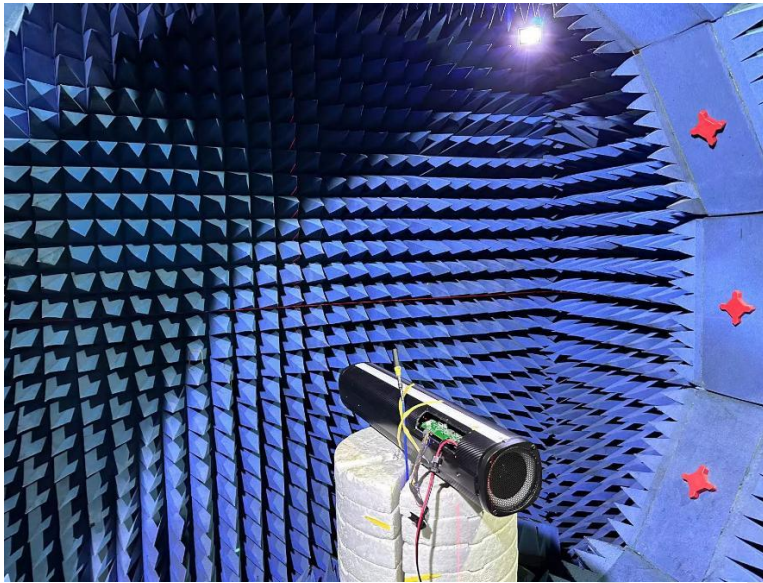
MIN =-5.89 dbi

## 2.2. 5 BT antenna position



Pay attention to the clearance of the antenna area, and arrange cables to avoid the antenna position as much as possible to ensure the antenna performance

## 2.2. 6 Antenna passive test environment



Antenna passive test: Put the tested object into the darkroom through the antenna debugging coaxial line and connect it to the darkroom passive test head through the antenna debugging coaxial line, and test the passive data of the antenna of the whole machine through an external tester.

3. Structural drawings

| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2                   | 3                                                                                                                                                                                                                                                                                                                                  | 4      | 5                                                                                                                                            | 6     |                      |                    |         |        |       |      |                                  |       |               |      |         |       |       |      |                      |       |            |      |    |     |                    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                   |      |                           |    |     |        |                              |  |                    |  |            |        |    |    |                      |            |       |  |  |  |                       |         |                       |    |                              |              |                                                                                                                                                                                                                     |  |  |  |                            |                     |                                                                                                                                                                                                                                                                                                                                    |    |            |     |                      |     |                                                                                                            |  |  |  |                                |  |                                                                     |  |  |  |                            |  |                     |  |  |  |
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| <p>1代端子</p> <p>Black</p> <p>EVA</p> <p>THOT-S-2341-BT-V0.1</p> <p>Apply UN glue</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |                                                                                                                                                                                                                                                                                                                                    |        | <table><tr><th>DATE</th><th>Modify the content</th><th>Version</th><th>Revise</th></tr><tr><td></td><td></td><td></td><td></td></tr></table> |       | DATE                 | Modify the content | Version | Revise |       |      |                                  |       |               |      |         |       |       |      |                      |       |            |      |    |     |                    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                   |      |                           |    |     |        |                              |  |                    |  |            |        |    |    |                      |            |       |  |  |  |                       |         |                       |    |                              |              |                                                                                                                                                                                                                     |  |  |  |                            |                     |                                                                                                                                                                                                                                                                                                                                    |    |            |     |                      |     |                                                                                                            |  |  |  |                                |  |                                                                     |  |  |  |                            |  |                     |  |  |  |
| DATE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Modify the content  | Version                                                                                                                                                                                                                                                                                                                            | Revise |                                                                                                                                              |       |                      |                    |         |        |       |      |                                  |       |               |      |         |       |       |      |                      |       |            |      |    |     |                    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                   |      |                           |    |     |        |                              |  |                    |  |            |        |    |    |                      |            |       |  |  |  |                       |         |                       |    |                              |              |                                                                                                                                                                                                                     |  |  |  |                            |                     |                                                                                                                                                                                                                                                                                                                                    |    |            |     |                      |     |                                                                                                            |  |  |  |                                |  |                                                                     |  |  |  |                            |  |                     |  |  |  |
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| <table><tr><td colspan="6">skills requirements:</td></tr><tr><td colspan="2">1. PCB substrate specifications:</td><td colspan="2">PI substrate:</td><td colspan="2">1. Qmil</td></tr><tr><td colspan="2"></td><td colspan="2">Electrolytic copper:</td><td colspan="2">0.5oz (30)</td></tr><tr><td colspan="2"></td><td colspan="2">Double-sided tape:</td><td colspan="2">tesa 8832</td></tr><tr><td colspan="2">2. Electroplating specifications:</td><td colspan="2">GP antioxidant treatment:</td><td colspan="2"></td></tr><tr><td colspan="2">3. Surface ink requirements:</td><td colspan="2">Surface ink color:</td><td colspan="2">Matt black</td></tr><tr><td colspan="2"></td><td colspan="2">Printing font color:</td><td colspan="2">White</td></tr><tr><td colspan="2"></td><td colspan="2">Printing font height:</td><td colspan="2">According to drawings</td></tr><tr><td colspan="2">4. Reliability requirements:</td><td colspan="4">1. Reliability test: salt spray test(rubber friction test)(alcohol resistance test)(100 grid test).<br/>2. The front ink, the surface of the ink is required to be folded in half without cracking, scratching, etc.</td></tr><tr><td colspan="2">5. Tolerance requirements:</td><td colspan="4">1. Shape tolerance ±0.15;<br/>2. Copper foil circuit tolerance ±0.05;<br/>3. The position of the copper foil to the shape is ±0.15;<br/>4. Hole-to-hole position tolerance ±0.10; hole-to-shape position tolerance ±0.15;<br/>5. The size tolerance of gold finger is ±0.20.<br/>6. For other unnamed dimensions, refer to 2D drawings.</td></tr><tr><td colspan="2">6. Key control item:</td><td colspan="4">The dimension marked with numbers are regarded as important dimension, and the others refer to 2D drawings</td></tr><tr><td colspan="2">7. Environmental requirements:</td><td colspan="4">Parts meet IP65/0/90/Reach/GP environmental protection requirements</td></tr><tr><td colspan="2">8. Packaging requirements:</td><td colspan="4">Single PCS shipment</td></tr></table> |                     |                                                                                                                                                                                                                                                                                                                                    |        |                                                                                                                                              |       | skills requirements: |                    |         |        |       |      | 1. PCB substrate specifications: |       | PI substrate: |      | 1. Qmil |       |       |      | Electrolytic copper: |       | 0.5oz (30) |      |    |     | Double-sided tape: |      | tesa 8832                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | 2. Electroplating specifications: |      | GP antioxidant treatment: |    |     |        | 3. Surface ink requirements: |  | Surface ink color: |  | Matt black |        |    |    | Printing font color: |            | White |  |  |  | Printing font height: |         | According to drawings |    | 4. Reliability requirements: |              | 1. Reliability test: salt spray test(rubber friction test)(alcohol resistance test)(100 grid test).<br>2. The front ink, the surface of the ink is required to be folded in half without cracking, scratching, etc. |  |  |  | 5. Tolerance requirements: |                     | 1. Shape tolerance ±0.15;<br>2. Copper foil circuit tolerance ±0.05;<br>3. The position of the copper foil to the shape is ±0.15;<br>4. Hole-to-hole position tolerance ±0.10; hole-to-shape position tolerance ±0.15;<br>5. The size tolerance of gold finger is ±0.20.<br>6. For other unnamed dimensions, refer to 2D drawings. |    |            |     | 6. Key control item: |     | The dimension marked with numbers are regarded as important dimension, and the others refer to 2D drawings |  |  |  | 7. Environmental requirements: |  | Parts meet IP65/0/90/Reach/GP environmental protection requirements |  |  |  | 8. Packaging requirements: |  | Single PCS shipment |  |  |  |
| skills requirements:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |                                                                                                                                                                                                                                                                                                                                    |        |                                                                                                                                              |       |                      |                    |         |        |       |      |                                  |       |               |      |         |       |       |      |                      |       |            |      |    |     |                    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                   |      |                           |    |     |        |                              |  |                    |  |            |        |    |    |                      |            |       |  |  |  |                       |         |                       |    |                              |              |                                                                                                                                                                                                                     |  |  |  |                            |                     |                                                                                                                                                                                                                                                                                                                                    |    |            |     |                      |     |                                                                                                            |  |  |  |                                |  |                                                                     |  |  |  |                            |  |                     |  |  |  |
| 1. PCB substrate specifications:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                     | PI substrate:                                                                                                                                                                                                                                                                                                                      |        | 1. Qmil                                                                                                                                      |       |                      |                    |         |        |       |      |                                  |       |               |      |         |       |       |      |                      |       |            |      |    |     |                    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                   |      |                           |    |     |        |                              |  |                    |  |            |        |    |    |                      |            |       |  |  |  |                       |         |                       |    |                              |              |                                                                                                                                                                                                                     |  |  |  |                            |                     |                                                                                                                                                                                                                                                                                                                                    |    |            |     |                      |     |                                                                                                            |  |  |  |                                |  |                                                                     |  |  |  |                            |  |                     |  |  |  |
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| 2. Electroplating specifications:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                     | GP antioxidant treatment:                                                                                                                                                                                                                                                                                                          |        |                                                                                                                                              |       |                      |                    |         |        |       |      |                                  |       |               |      |         |       |       |      |                      |       |            |      |    |     |                    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                   |      |                           |    |     |        |                              |  |                    |  |            |        |    |    |                      |            |       |  |  |  |                       |         |                       |    |                              |              |                                                                                                                                                                                                                     |  |  |  |                            |                     |                                                                                                                                                                                                                                                                                                                                    |    |            |     |                      |     |                                                                                                            |  |  |  |                                |  |                                                                     |  |  |  |                            |  |                     |  |  |  |
| 3. Surface ink requirements:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                     | Surface ink color:                                                                                                                                                                                                                                                                                                                 |        | Matt black                                                                                                                                   |       |                      |                    |         |        |       |      |                                  |       |               |      |         |       |       |      |                      |       |            |      |    |     |                    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                   |      |                           |    |     |        |                              |  |                    |  |            |        |    |    |                      |            |       |  |  |  |                       |         |                       |    |                              |              |                                                                                                                                                                                                                     |  |  |  |                            |                     |                                                                                                                                                                                                                                                                                                                                    |    |            |     |                      |     |                                                                                                            |  |  |  |                                |  |                                                                     |  |  |  |                            |  |                     |  |  |  |
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| 4. Reliability requirements:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                     | 1. Reliability test: salt spray test(rubber friction test)(alcohol resistance test)(100 grid test).<br>2. The front ink, the surface of the ink is required to be folded in half without cracking, scratching, etc.                                                                                                                |        |                                                                                                                                              |       |                      |                    |         |        |       |      |                                  |       |               |      |         |       |       |      |                      |       |            |      |    |     |                    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                   |      |                           |    |     |        |                              |  |                    |  |            |        |    |    |                      |            |       |  |  |  |                       |         |                       |    |                              |              |                                                                                                                                                                                                                     |  |  |  |                            |                     |                                                                                                                                                                                                                                                                                                                                    |    |            |     |                      |     |                                                                                                            |  |  |  |                                |  |                                                                     |  |  |  |                            |  |                     |  |  |  |
| 5. Tolerance requirements:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                     | 1. Shape tolerance ±0.15;<br>2. Copper foil circuit tolerance ±0.05;<br>3. The position of the copper foil to the shape is ±0.15;<br>4. Hole-to-hole position tolerance ±0.10; hole-to-shape position tolerance ±0.15;<br>5. The size tolerance of gold finger is ±0.20.<br>6. For other unnamed dimensions, refer to 2D drawings. |        |                                                                                                                                              |       |                      |                    |         |        |       |      |                                  |       |               |      |         |       |       |      |                      |       |            |      |    |     |                    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                   |      |                           |    |     |        |                              |  |                    |  |            |        |    |    |                      |            |       |  |  |  |                       |         |                       |    |                              |              |                                                                                                                                                                                                                     |  |  |  |                            |                     |                                                                                                                                                                                                                                                                                                                                    |    |            |     |                      |     |                                                                                                            |  |  |  |                                |  |                                                                     |  |  |  |                            |  |                     |  |  |  |
| 6. Key control item:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     | The dimension marked with numbers are regarded as important dimension, and the others refer to 2D drawings                                                                                                                                                                                                                         |        |                                                                                                                                              |       |                      |                    |         |        |       |      |                                  |       |               |      |         |       |       |      |                      |       |            |      |    |     |                    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                   |      |                           |    |     |        |                              |  |                    |  |            |        |    |    |                      |            |       |  |  |  |                       |         |                       |    |                              |              |                                                                                                                                                                                                                     |  |  |  |                            |                     |                                                                                                                                                                                                                                                                                                                                    |    |            |     |                      |     |                                                                                                            |  |  |  |                                |  |                                                                     |  |  |  |                            |  |                     |  |  |  |
| 7. Environmental requirements:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                     | Parts meet IP65/0/90/Reach/GP environmental protection requirements                                                                                                                                                                                                                                                                |        |                                                                                                                                              |       |                      |                    |         |        |       |      |                                  |       |               |      |         |       |       |      |                      |       |            |      |    |     |                    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                   |      |                           |    |     |        |                              |  |                    |  |            |        |    |    |                      |            |       |  |  |  |                       |         |                       |    |                              |              |                                                                                                                                                                                                                     |  |  |  |                            |                     |                                                                                                                                                                                                                                                                                                                                    |    |            |     |                      |     |                                                                                                            |  |  |  |                                |  |                                                                     |  |  |  |                            |  |                     |  |  |  |
| 8. Packaging requirements:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                     | Single PCS shipment                                                                                                                                                                                                                                                                                                                |        |                                                                                                                                              |       |                      |                    |         |        |       |      |                                  |       |               |      |         |       |       |      |                      |       |            |      |    |     |                    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                   |      |                           |    |     |        |                              |  |                    |  |            |        |    |    |                      |            |       |  |  |  |                       |         |                       |    |                              |              |                                                                                                                                                                                                                     |  |  |  |                            |                     |                                                                                                                                                                                                                                                                                                                                    |    |            |     |                      |     |                                                                                                            |  |  |  |                                |  |                                                                     |  |  |  |                            |  |                     |  |  |  |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2                   | 3                                                                                                                                                                                                                                                                                                                                  | 4      | 5                                                                                                                                            | 6     |                      |                    |         |        |       |      |                                  |       |               |      |         |       |       |      |                      |       |            |      |    |     |                    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                   |      |                           |    |     |        |                              |  |                    |  |            |        |    |    |                      |            |       |  |  |  |                       |         |                       |    |                              |              |                                                                                                                                                                                                                     |  |  |  |                            |                     |                                                                                                                                                                                                                                                                                                                                    |    |            |     |                      |     |                                                                                                            |  |  |  |                                |  |                                                                     |  |  |  |                            |  |                     |  |  |  |
| <p>Shenzhen Yu Sheng Communication Equipment Co., Ltd.</p> <table><tr><td></td><td>±0.08</td><td>±0.10</td><td>0.03</td></tr><tr><td>0~3</td><td>±0.08</td><td>±0.10</td><td>0.03</td></tr><tr><td>3~30</td><td>±0.10</td><td>±0.12</td><td>0.02</td></tr><tr><td>30~50</td><td>±0.12</td><td>±0.15</td><td>0.02</td></tr><tr><td>50~80</td><td>±0.15</td><td>±0.15</td><td>0.02</td></tr><tr><td>角度</td><td>±1°</td><td></td><td>0.05</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     |                                                                                                                                                                                                                                                                                                                                    |        |                                                                                                                                              | ±0.08 | ±0.10                | 0.03               | 0~3     | ±0.08  | ±0.10 | 0.03 | 3~30                             | ±0.10 | ±0.12         | 0.02 | 30~50   | ±0.12 | ±0.15 | 0.02 | 50~80                | ±0.15 | ±0.15      | 0.02 | 角度 | ±1° |                    | 0.05 | <table><tr><th>Model</th><th>DATE</th><th>Design</th><th>MD</th><th>FJT</th></tr><tr><td>S-2341</td><td>2024-08-06</td><td></td><td></td><td></td></tr><tr><th>Name</th><th>Review</th><th>RF</th><th>MD</th><th>FJT</th></tr><tr><td>RF antenna</td><td></td><td></td><td></td><td></td></tr><tr><th>Part NO</th><th>confirm</th><th>RF</th><th>MD</th><th>FJT</th></tr><tr><td>249059-BT-7A</td><td></td><td></td><td></td><td></td></tr></table> <table><tr><th>Material quality</th><th>Electrolytic copper</th><th>UNIT</th><th>mm</th><th>proportion</th><th>FIT</th><th>Revise</th><th>R:A</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> |  | Model                             | DATE | Design                    | MD | FJT | S-2341 | 2024-08-06                   |  |                    |  | Name       | Review | RF | MD | FJT                  | RF antenna |       |  |  |  | Part NO               | confirm | RF                    | MD | FJT                          | 249059-BT-7A |                                                                                                                                                                                                                     |  |  |  | Material quality           | Electrolytic copper | UNIT                                                                                                                                                                                                                                                                                                                               | mm | proportion | FIT | Revise               | R:A |                                                                                                            |  |  |  |                                |  |                                                                     |  |  |  |                            |  |                     |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ±0.08               | ±0.10                                                                                                                                                                                                                                                                                                                              | 0.03   |                                                                                                                                              |       |                      |                    |         |        |       |      |                                  |       |               |      |         |       |       |      |                      |       |            |      |    |     |                    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                   |      |                           |    |     |        |                              |  |                    |  |            |        |    |    |                      |            |       |  |  |  |                       |         |                       |    |                              |              |                                                                                                                                                                                                                     |  |  |  |                            |                     |                                                                                                                                                                                                                                                                                                                                    |    |            |     |                      |     |                                                                                                            |  |  |  |                                |  |                                                                     |  |  |  |                            |  |                     |  |  |  |
| 0~3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ±0.08               | ±0.10                                                                                                                                                                                                                                                                                                                              | 0.03   |                                                                                                                                              |       |                      |                    |         |        |       |      |                                  |       |               |      |         |       |       |      |                      |       |            |      |    |     |                    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                   |      |                           |    |     |        |                              |  |                    |  |            |        |    |    |                      |            |       |  |  |  |                       |         |                       |    |                              |              |                                                                                                                                                                                                                     |  |  |  |                            |                     |                                                                                                                                                                                                                                                                                                                                    |    |            |     |                      |     |                                                                                                            |  |  |  |                                |  |                                                                     |  |  |  |                            |  |                     |  |  |  |
| 3~30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ±0.10               | ±0.12                                                                                                                                                                                                                                                                                                                              | 0.02   |                                                                                                                                              |       |                      |                    |         |        |       |      |                                  |       |               |      |         |       |       |      |                      |       |            |      |    |     |                    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                   |      |                           |    |     |        |                              |  |                    |  |            |        |    |    |                      |            |       |  |  |  |                       |         |                       |    |                              |              |                                                                                                                                                                                                                     |  |  |  |                            |                     |                                                                                                                                                                                                                                                                                                                                    |    |            |     |                      |     |                                                                                                            |  |  |  |                                |  |                                                                     |  |  |  |                            |  |                     |  |  |  |
| 30~50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ±0.12               | ±0.15                                                                                                                                                                                                                                                                                                                              | 0.02   |                                                                                                                                              |       |                      |                    |         |        |       |      |                                  |       |               |      |         |       |       |      |                      |       |            |      |    |     |                    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                   |      |                           |    |     |        |                              |  |                    |  |            |        |    |    |                      |            |       |  |  |  |                       |         |                       |    |                              |              |                                                                                                                                                                                                                     |  |  |  |                            |                     |                                                                                                                                                                                                                                                                                                                                    |    |            |     |                      |     |                                                                                                            |  |  |  |                                |  |                                                                     |  |  |  |                            |  |                     |  |  |  |
| 50~80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ±0.15               | ±0.15                                                                                                                                                                                                                                                                                                                              | 0.02   |                                                                                                                                              |       |                      |                    |         |        |       |      |                                  |       |               |      |         |       |       |      |                      |       |            |      |    |     |                    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                   |      |                           |    |     |        |                              |  |                    |  |            |        |    |    |                      |            |       |  |  |  |                       |         |                       |    |                              |              |                                                                                                                                                                                                                     |  |  |  |                            |                     |                                                                                                                                                                                                                                                                                                                                    |    |            |     |                      |     |                                                                                                            |  |  |  |                                |  |                                                                     |  |  |  |                            |  |                     |  |  |  |
| 角度                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ±1°                 |                                                                                                                                                                                                                                                                                                                                    | 0.05   |                                                                                                                                              |       |                      |                    |         |        |       |      |                                  |       |               |      |         |       |       |      |                      |       |            |      |    |     |                    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                   |      |                           |    |     |        |                              |  |                    |  |            |        |    |    |                      |            |       |  |  |  |                       |         |                       |    |                              |              |                                                                                                                                                                                                                     |  |  |  |                            |                     |                                                                                                                                                                                                                                                                                                                                    |    |            |     |                      |     |                                                                                                            |  |  |  |                                |  |                                                                     |  |  |  |                            |  |                     |  |  |  |
| Model                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DATE                | Design                                                                                                                                                                                                                                                                                                                             | MD     | FJT                                                                                                                                          |       |                      |                    |         |        |       |      |                                  |       |               |      |         |       |       |      |                      |       |            |      |    |     |                    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                   |      |                           |    |     |        |                              |  |                    |  |            |        |    |    |                      |            |       |  |  |  |                       |         |                       |    |                              |              |                                                                                                                                                                                                                     |  |  |  |                            |                     |                                                                                                                                                                                                                                                                                                                                    |    |            |     |                      |     |                                                                                                            |  |  |  |                                |  |                                                                     |  |  |  |                            |  |                     |  |  |  |
| S-2341                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2024-08-06          |                                                                                                                                                                                                                                                                                                                                    |        |                                                                                                                                              |       |                      |                    |         |        |       |      |                                  |       |               |      |         |       |       |      |                      |       |            |      |    |     |                    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                   |      |                           |    |     |        |                              |  |                    |  |            |        |    |    |                      |            |       |  |  |  |                       |         |                       |    |                              |              |                                                                                                                                                                                                                     |  |  |  |                            |                     |                                                                                                                                                                                                                                                                                                                                    |    |            |     |                      |     |                                                                                                            |  |  |  |                                |  |                                                                     |  |  |  |                            |  |                     |  |  |  |
| Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Review              | RF                                                                                                                                                                                                                                                                                                                                 | MD     | FJT                                                                                                                                          |       |                      |                    |         |        |       |      |                                  |       |               |      |         |       |       |      |                      |       |            |      |    |     |                    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                   |      |                           |    |     |        |                              |  |                    |  |            |        |    |    |                      |            |       |  |  |  |                       |         |                       |    |                              |              |                                                                                                                                                                                                                     |  |  |  |                            |                     |                                                                                                                                                                                                                                                                                                                                    |    |            |     |                      |     |                                                                                                            |  |  |  |                                |  |                                                                     |  |  |  |                            |  |                     |  |  |  |
| RF antenna                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                     |                                                                                                                                                                                                                                                                                                                                    |        |                                                                                                                                              |       |                      |                    |         |        |       |      |                                  |       |               |      |         |       |       |      |                      |       |            |      |    |     |                    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                   |      |                           |    |     |        |                              |  |                    |  |            |        |    |    |                      |            |       |  |  |  |                       |         |                       |    |                              |              |                                                                                                                                                                                                                     |  |  |  |                            |                     |                                                                                                                                                                                                                                                                                                                                    |    |            |     |                      |     |                                                                                                            |  |  |  |                                |  |                                                                     |  |  |  |                            |  |                     |  |  |  |
| Part NO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | confirm             | RF                                                                                                                                                                                                                                                                                                                                 | MD     | FJT                                                                                                                                          |       |                      |                    |         |        |       |      |                                  |       |               |      |         |       |       |      |                      |       |            |      |    |     |                    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                   |      |                           |    |     |        |                              |  |                    |  |            |        |    |    |                      |            |       |  |  |  |                       |         |                       |    |                              |              |                                                                                                                                                                                                                     |  |  |  |                            |                     |                                                                                                                                                                                                                                                                                                                                    |    |            |     |                      |     |                                                                                                            |  |  |  |                                |  |                                                                     |  |  |  |                            |  |                     |  |  |  |
| 249059-BT-7A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                     |                                                                                                                                                                                                                                                                                                                                    |        |                                                                                                                                              |       |                      |                    |         |        |       |      |                                  |       |               |      |         |       |       |      |                      |       |            |      |    |     |                    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                   |      |                           |    |     |        |                              |  |                    |  |            |        |    |    |                      |            |       |  |  |  |                       |         |                       |    |                              |              |                                                                                                                                                                                                                     |  |  |  |                            |                     |                                                                                                                                                                                                                                                                                                                                    |    |            |     |                      |     |                                                                                                            |  |  |  |                                |  |                                                                     |  |  |  |                            |  |                     |  |  |  |
| Material quality                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Electrolytic copper | UNIT                                                                                                                                                                                                                                                                                                                               | mm     | proportion                                                                                                                                   | FIT   | Revise               | R:A                |         |        |       |      |                                  |       |               |      |         |       |       |      |                      |       |            |      |    |     |                    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                   |      |                           |    |     |        |                              |  |                    |  |            |        |    |    |                      |            |       |  |  |  |                       |         |                       |    |                              |              |                                                                                                                                                                                                                     |  |  |  |                            |                     |                                                                                                                                                                                                                                                                                                                                    |    |            |     |                      |     |                                                                                                            |  |  |  |                                |  |                                                                     |  |  |  |                            |  |                     |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |                                                                                                                                                                                                                                                                                                                                    |        |                                                                                                                                              |       |                      |                    |         |        |       |      |                                  |       |               |      |         |       |       |      |                      |       |            |      |    |     |                    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                   |      |                           |    |     |        |                              |  |                    |  |            |        |    |    |                      |            |       |  |  |  |                       |         |                       |    |                              |              |                                                                                                                                                                                                                     |  |  |  |                            |                     |                                                                                                                                                                                                                                                                                                                                    |    |            |     |                      |     |                                                                                                            |  |  |  |                                |  |                                                                     |  |  |  |                            |  |                     |  |  |  |

## 4. Bill of Materials

### 249059 (S-2341) BOM

edition : T:A

client : 249

Type of airTCft : 249059

Set a date : 2024/9/26

| Item number | *Material code  | *Material name        | name      | *Machine type | Specification and model                            | colour            | *UNIT. | dosage | remark |
|-------------|-----------------|-----------------------|-----------|---------------|----------------------------------------------------|-------------------|--------|--------|--------|
| 2           | 249059-IB-TA    | WIFI antenna assembly |           | S-2341        | FPC_cable_weld_UV                                  | black             | PCS    | 1      |        |
| 2.1         | 249059-IB-01-TA | WIFI-FPC              |           | S-2341        | WIFI-FPC Electrolytic copper<br>37.80*11.50*0.12MM | black             | PCS    | 1      |        |
| 2.2         | 249059-IB-02-TA | WIFI-cable            |           | S-2341        | First generation terminal φ<br>1.13*67mm           | black             | PCS    | 1      |        |
| 2.3         | 249059-IB-03-TA | WIFI-EVA              |           | S-2341        | EVA 12*40mm                                        | black             | PCS    | 1      |        |
| 2.4         | 249059-IB-04-TA | Assembly welding      |           | S-2341        | weld+Glue injection                                | black             | PCS    | 1      |        |
|             |                 |                       |           |               |                                                    |                   |        |        |        |
|             |                 |                       |           |               |                                                    |                   |        |        |        |
| verify :    |                 |                       | examine : |               |                                                    | manufacture : BYZ |        |        |        |

## 5. Reliability test report

### 5.1 Salt Spray Test Report

### Salt Spray Test Report

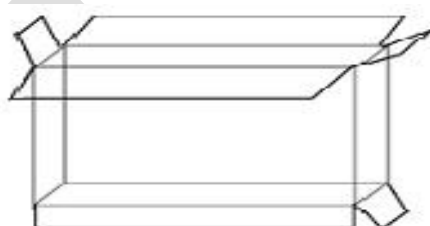
|                                                                                                                                                        |                   |                  |           |                                   |                |                     |           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------|-----------|-----------------------------------|----------------|---------------------|-----------|
| Customer Name                                                                                                                                          | Sannuo            |                  |           | Manufacturing Batch               |                | THOT-20240620       |           |
| Product Name                                                                                                                                           | S-2341            |                  |           | Number of tests                   |                | 8PCS                |           |
| Product material number                                                                                                                                | 249059            |                  |           | Test Criteria                     |                | 24 hours            |           |
| Date of inspection                                                                                                                                     | 2024-8-26         |                  |           | Material of goods                 |                | Antenna             |           |
| Test time: 2024.8.26 to 2024.8.27                                                                                                                      |                   |                  |           |                                   |                |                     |           |
| Test Items                                                                                                                                             | Requirements      | Actual value     | Determine | Test Items                        | Requirements   | Actual value        | Determine |
| Test instrument specifications                                                                                                                         | KD-60             | KD-60            | OK        | Test time                         | 24H            | 24H                 | OK        |
| Salt Spray Test Types                                                                                                                                  | NSS Neutral       | NSS Neutral      | OK        | Salt spray box temperature        | 35 ° C         | 35 ° C              | OK        |
| PH value of saline                                                                                                                                     | 6.5-7.2           | 7                | OK        | Salt spray sedimentation (H. 80C) | 1-2ml          | 1.7 ml              | OK        |
| Spray method                                                                                                                                           | Continuous spray  | Continuous spray | OK        | Material of goods                 | FPC            | FPC                 | OK        |
| Composition of brine                                                                                                                                   | 5%/NaCL           | 5%/NaCL          | OK        | Compressed air throttle pressure  | 1 ± 0.1 KG/CM2 | 1                   | OK        |
| Saturation temperature                                                                                                                                 | 47 ° C            | 47℃              | OK        | Specimen placement angle          | 90°            | 90°                 | OK        |
| Test observation time                                                                                                                                  | Observe phenomena |                  |           |                                   |                |                     |           |
| 4H                                                                                                                                                     | No abnormalities  |                  |           |                                   |                |                     |           |
| 12H                                                                                                                                                    | No abnormalities  |                  |           |                                   |                |                     |           |
| 24H                                                                                                                                                    | No abnormalities  |                  |           |                                   |                |                     |           |
|                                                                                                                                                        |                   |                  |           |                                   |                |                     |           |
| Judgment criteria: According to the national standard 5944-86 rating method, level 9 or above is qualified                                             |                   |                  |           |                                   |                |                     |           |
| Final judgment result                                                                                                                                  | Qualified ✓       |                  |           |                                   |                |                     |           |
| Testers                                                                                                                                                | Su Guanfeng       |                  | Auditor   | He Lei                            |                | Examine and approve | Feng Jiwu |
| Remarks: Commonly used salt spray test methods include: NSS medium salt spray test, AASS acetate spray test, CASS copper acetic acid accelerated test. |                   |                  |           |                                   |                |                     |           |

## 5.2 Constant temperature and humidity thermal and cold shock test report

| Constant temperature and humidity hot and cold shock test report                                                                                           |                      |                                                              |                   |                          |               |                      | NO:                                                                             |                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------------------------------------------------|-------------------|--------------------------|---------------|----------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Client                                                                                                                                                     | Sannuo               |                                                              | Date              | 2024-6-26                |               | In-Plant Number      | THOT-20240625                                                                   |                                                                                                     |
| Antenna model                                                                                                                                              | 249059               |                                                              | Quantity          | 5PCS                     |               | Test time            | 48H                                                                             |                                                                                                     |
| Material Specifications                                                                                                                                    | FPC                  |                                                              | Suppliers         | Yusheng Communications   |               | Reference Standard   | MIL-STD-202Method017IEC60749-25 JEDEC JESD22-A104-B<br>IEC68-2-1MIL-STD-2168-85 |                                                                                                     |
| Test purpose: To test the reliability of the product, the adhesion force of the coating, the oxidation resistance and corrosion resistance of the coating. |                      |                                                              |                   |                          |               |                      |                                                                                 |                                                                                                     |
| Equipment name: High and low temperature test chamber                                                                                                      |                      |                                                              |                   |                          |               |                      |                                                                                 |                                                                                                     |
| Laboratory environment                                                                                                                                     |                      |                                                              |                   |                          |               |                      |                                                                                 |                                                                                                     |
| Temperature                                                                                                                                                | 22-26℃               |                                                              | Relative humidity | 65-70%                   |               | Atmospheric pressure | 1MPa                                                                            |                                                                                                     |
| Test Parameters                                                                                                                                            |                      |                                                              |                   |                          |               |                      |                                                                                 |                                                                                                     |
| Temperature                                                                                                                                                | High temperature     |                                                              | 80℃               | Low temperature          | -40℃          |                      | Temperature tolerance                                                           | 1℃                                                                                                  |
| Time                                                                                                                                                       | Constant temperature | High temperature                                             | 2H                | High temperature heating | 10min         |                      | Remark                                                                          | 1. High temperature rise refers to the increase from normal temperature to the set high temperature |
|                                                                                                                                                            |                      | Low temperature                                              | 2H                | Low temperature cooling  | 10min         |                      |                                                                                 |                                                                                                     |
| Number of cycles                                                                                                                                           | 31 times             |                                                              | Other             | Relative humidity        | 65%           |                      |                                                                                 |                                                                                                     |
| Appearance inspection                                                                                                                                      | Layering             | ACC                                                          | Oxidizing         | ACC                      | Blistering    | ACC                  | Ink shedding                                                                    | ACC                                                                                                 |
| Testing                                                                                                                                                    | Peel resistance      | ≥ 0.8 kgf/cm <sup>2</sup>                                    | Spot welding      | ACC                      | 100-grid test | ACC                  | Abrasion wear test                                                              | ACC                                                                                                 |
| Test Record:                                                                                                                                               |                      |                                                              |                   |                          |               |                      |                                                                                 |                                                                                                     |
| Product Number                                                                                                                                             |                      | Product Test Results                                         |                   |                          |               |                      | Determine                                                                       |                                                                                                     |
|                                                                                                                                                            |                      | After the experiment, there is no abnormality in the product |                   |                          |               |                      | ACC                                                                             |                                                                                                     |
|                                                                                                                                                            |                      |                                                              |                   |                          |               |                      |                                                                                 |                                                                                                     |
| Tester:                                                                                                                                                    |                      | Su Guanfeng                                                  |                   |                          |               |                      |                                                                                 |                                                                                                     |

## 6. Packaging schematic diagram

| Packaging method diagram |                   |
|--------------------------|-------------------|
| Product Name             | Bluetooth antenna |
| P/N                      | Antenna           |

|                                                                                                                                                               |                                                                                                 |                                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Project Name                                                                                                                                                  | S-2341                                                                                          |                                                                                    |
| Packing details                                                                                                                                               | Carton size 1:<br>35 * 25 * 24.5 cm<br><br>Carton size 2:<br>Depends on order quantity/quantity |  |
|                                                                                                                                                               | Packing method                                                                                  | Packed by order quantity                                                           |
|                                                                                                                                                               | Total packing                                                                                   | Packed by order quantity                                                           |
| Things to watch out for                                                                                                                                       |                                                                                                 |                                                                                    |
| 1. Due to the limitation of order quantity, the packing method of each item is based on the total order quantity or physical volume. The box size is selected |                                                                                                 |                                                                                    |
| 2. Storage temperature: normal temperature                                                                                                                    |                                                                                                 |                                                                                    |
| 3. Storage conditions: Store in a cool and dry place                                                                                                          |                                                                                                 |                                                                                    |