

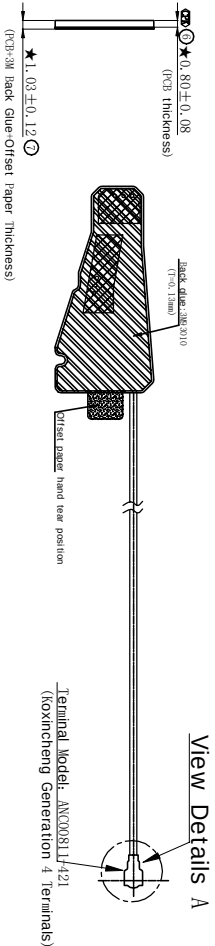
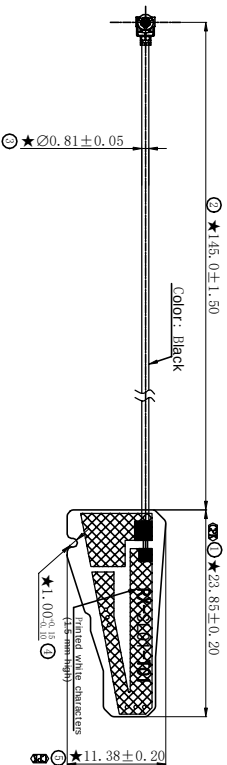
# Recognition

|                                                                                                    |                                                                                                                                            |                |                                                                                                                                                                  |                          |
|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| Product description                                                                                | Supplier Name: KunShan Innwave Communication Technology CO.,Ltd                                                                            |                | Supplier Material Type: WIFI antenna                                                                                                                             |                          |
|                                                                                                    | Supplier Address:Building C, No. 1689 Zizhu Road, Yushan Town, Kunshan City, Jiangsu Province                                              |                | Innwave Number:                                                                                                                                                  |                          |
|                                                                                                    | Material Name: SL02 WIFI antenna                                                                                                           |                |                                                                                                                                                                  |                          |
|                                                                                                    | Version number: V01                                                                                                                        |                |                                                                                                                                                                  |                          |
|                                                                                                    | Remarks:                                                                                                                                   |                |                                                                                                                                                                  |                          |
| Annex                                                                                              | ■ Specifications                                                                                                                           |                | ■ Process Flow Chart                                                                                                                                             |                          |
|                                                                                                    | ■ CPK Report                                                                                                                               |                | ■ Reliability Test                                                                                                                                               |                          |
|                                                                                                    | ■ Materials/ RoHS reports                                                                                                                  |                | ■ Sample                                                                                                                                                         |                          |
|                                                                                                    |                                                                                                                                            | ■ Control Plan |                                                                                                                                                                  | ■ SPEC Blueprint         |
|                                                                                                    |                                                                                                                                            | ■ Full Size    |                                                                                                                                                                  | ■ Electrical performance |
|                                                                                                    |                                                                                                                                            | ■ Packing      |                                                                                                                                                                  |                          |
| Vendor endorsement                                                                                 | Proposed:                                                                                                                                  |                | Audit:                                                                                                                                                           |                          |
|                                                                                                    |                                                                                                                                            |                |                                                                                                                                                                  | Ratification:            |
| The above shall be completed by the supplier, and the following shall be completed by the customer |                                                                                                                                            |                |                                                                                                                                                                  |                          |
| Technical confirmation column                                                                      | Structure:                                                                                                                                 |                | Hardware:                                                                                                                                                        |                          |
|                                                                                                    | Project Manager:                                                                                                                           |                | Testing Department:                                                                                                                                              |                          |
|                                                                                                    | Environmental Engineer:                                                                                                                    |                | ID:                                                                                                                                                              |                          |
| Final confirmation                                                                                 | Supplier Quality:                                                                                                                          |                | ID:                                                                                                                                                              |                          |
|                                                                                                    | RoHS status determination:                                                                                                                 |                | R & D quality:                                                                                                                                                   |                          |
|                                                                                                    | other environmental compliance:                                                                                                            |                |                                                                                                                                                                  |                          |
| Conditions of recognition                                                                          | <input type="checkbox"/> Official recognition<br><input type="checkbox"/> limited recognition<br><input type="checkbox"/> refused to admit |                | <input type="checkbox"/> RoHS Material<br><input type="checkbox"/> meet halogen-free<br><input type="checkbox"/> other environmental requirements                |                          |
|                                                                                                    |                                                                                                                                            |                | <input type="checkbox"/> not RoHS Material<br><input type="checkbox"/> meet REACH requirements<br><input type="checkbox"/> requirements                          |                          |
|                                                                                                    |                                                                                                                                            |                |                                                                                                                                                                  |                          |
| Distribution department                                                                            | <input type="checkbox"/> IQC<br><input type="checkbox"/> Other _____                                                                       |                | <input type="checkbox"/> customer<br><input type="checkbox"/> after sale<br><input type="checkbox"/> SQE/ Document Control<br><input type="checkbox"/> suppliers |                          |

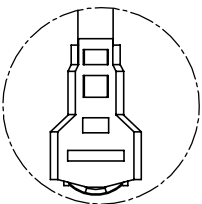
# Directory

- 1、 cover
- 2、 Directory
- 3、 SPEC Blueprint
- 4、 Electrical performance
- 5、 Materials/ RoHS reports
- 6、 Full Size
- 7、 CPK Report
- 8、 Reliability test report
- 9、 Manufacturing Flow Chart/Quality Control Plan
- 10、 Packing

| Edition | Sign | Change Content           | Name      | Date       |
|---------|------|--------------------------|-----------|------------|
| T01     |      | Mass Production drawings | xiaobo li | 2021.04.28 |
|         |      |                          |           |            |



## Front (Side A)



## Reverse side (Side B)

### View Details reposition 5:1

Terminal Head Direction towards GoldenFinger Face (Welded Face)

**Note:**

1. Material: PCB base material: the total thickness of FR4; product is 1.03 mm; dielectric constant 4.6, copper foil is electrolytic copper;
2. The back glue treatment, the drawing does not mark the R angle is the R0.5mm;
3. Tin plating is used in yellow welding;
4. Surface greenery treatment;
5. There should be no obvious scratches, dents, burrs, grease and dirt on the surface of the PCB plate.

### Technical Requirements:

- 1、“★” The size is the key size, The size of “**CPK**” once refer to tolerance table. actual matching size, “**△**” For design changes, Unmarked tolerance, short circuit and hout bump, no virtual welding, ti other.
- 2、Require smooth solder joint wit phenomena. Surface dimensions are used to test shape function and assembly.
- 3、Meet the requirements of salt spray experiment/supplementary self-reliance test and other.
- 4、relevant reliability tests:according to INNOWAVE internal RX-WI-QAC-014 reliability test standard, all materials conform to INNOWAVE RX-WI-QAC-008 product environmental substances prohibited management standard.
- 5、Packing according to the packing requirements provided by Ruixiang Project.

|                 |                            |                                   |                                                          |      |
|-----------------|----------------------------|-----------------------------------|----------------------------------------------------------|------|
| 3               | Double faced adhesive tape | M083459199A0001                   | Back glue :3M 93010, yellow paper with hand tear         | 1    |
| 2               | Cable                      | XXXXXX                            | Diameter:0.81mm,Black, Koxincheng Generation 4 Terminals | 1    |
| 1               | PCB                        | M08345936980001                   | Double panel, FR4 substrate, surface green ink, T=0.80mm | 1    |
| No.             | Name                       | Material number                   | Describe                                                 |      |
| type of machine |                            | SL02                              | Design                                                   | Date |
| Name            |                            | SL02_WIFL_ANT_Finished components | R F                                                      | Date |
| Material number |                            | XXXXXX                            | To examine                                               | Date |
| Edition         |                            | T01                               | Diagram box                                              | A4   |
| Proportion      |                            | FIT                               |                                                          |      |
| Company         |                            | mm                                |                                                          |      |
|                 |                            | The third perspective             | KunShan Innwave Communication Technology CO., Ltd.       |      |

# Electrical performance Report

S11:

| Fre (MHZ) | Return loss (dB) |
|-----------|------------------|
| 2400      | -5.24            |
| 2500      | -1.93            |



Efficiency & Gain:

| Freq  | Effi | Effi | Peak |
|-------|------|------|------|
| (MHz) | (%)  | (dB) | Gain |
| 2400  | 21%  | -6.9 | -2.8 |
| 2410  | 21%  | -6.8 | -2.9 |
| 2420  | 20%  | -7.0 | -3.1 |
| 2430  | 19%  | -7.3 | -3.3 |
| 2440  | 18%  | -7.4 | -3.6 |
| 2450  | 17%  | -7.7 | -4.1 |
| 2460  | 17%  | -7.8 | -4.2 |
| 2470  | 16%  | -8.0 | -4.4 |
| 2480  | 15%  | -8.3 | -4.7 |
| 2490  | 13%  | -9.0 | -5.0 |
| 2500  | 12%  | -9.3 | -5.3 |
| AVG   | 17%  | -7.8 | -3.9 |

# Full Size Measurement Report

[illegible]

# CPK Report

|                       |                 |              |       |       |                   |                   |  |
|-----------------------|-----------------|--------------|-------|-------|-------------------|-------------------|--|
|                       | INNOWAVE Number |              |       |       | Part Name         | SL02 WIFI antenna |  |
|                       | Specifications  | WIFI antenna |       |       | 材 料               | PCB+Cable         |  |
|                       | Supplier        | INNOWAVE     |       |       | Measuring tools   | Quadratic element |  |
|                       | 测量单位            | mm           |       |       | Dateofmeasurement | 2021/4/28         |  |
| Dim. Designator(尺寸序号) |                 | 1            | 5     | 6     |                   |                   |  |
| Nominal(公称尺寸)         |                 | 23.85        | 11.38 | 0.80  |                   |                   |  |
| + Tolerance(正公差)      |                 | 0.20         | 0.20  | 0.08  |                   |                   |  |
| - Tolerance(负公差)      |                 | -0.20        | -0.20 | -0.08 |                   |                   |  |
| Upper Limit(规格上限)     |                 | 24.05        | 11.58 | 0.88  |                   |                   |  |
| Lower Limit(规格下限)     |                 | 23.65        | 11.18 | 0.72  |                   |                   |  |
| 1                     |                 | 23.86        | 11.33 | 0.79  |                   |                   |  |
| 2                     |                 | 23.82        | 11.43 | 0.79  |                   |                   |  |
| 3                     |                 | 23.80        | 11.34 | 0.81  |                   |                   |  |
| 4                     |                 | 23.86        | 11.43 | 0.78  |                   |                   |  |
| 5                     |                 | 23.90        | 11.43 | 0.78  |                   |                   |  |
| 6                     |                 | 23.83        | 11.43 | 0.81  |                   |                   |  |
| 7                     |                 | 23.82        | 11.34 | 0.79  |                   |                   |  |
| 8                     |                 | 23.80        | 11.40 | 0.79  |                   |                   |  |
| 9                     |                 | 23.89        | 11.43 | 0.78  |                   |                   |  |
| 10                    |                 | 23.87        | 11.35 | 0.78  |                   |                   |  |
| 11                    |                 | 23.82        | 11.43 | 0.81  |                   |                   |  |
| 12                    |                 | 23.88        | 11.33 | 0.82  |                   |                   |  |
| 13                    |                 | 23.84        | 11.43 | 0.79  |                   |                   |  |
| 14                    |                 | 23.80        | 11.36 | 0.79  |                   |                   |  |
| 15                    |                 | 23.87        | 11.41 | 0.79  |                   |                   |  |
| 16                    |                 | 23.89        | 11.35 | 0.79  |                   |                   |  |
| 17                    |                 | 23.83        | 11.42 | 0.81  |                   |                   |  |
| 18                    |                 | 23.83        | 11.41 | 0.79  |                   |                   |  |
| 19                    |                 | 23.84        | 11.43 | 0.78  |                   |                   |  |
| 20                    |                 | 23.90        | 11.34 | 0.81  |                   |                   |  |
| 21                    |                 | 23.90        | 11.36 | 0.79  |                   |                   |  |
| 22                    |                 | 23.87        | 11.34 | 0.82  |                   |                   |  |
| 23                    |                 | 23.89        | 11.42 | 0.82  |                   |                   |  |
| 24                    |                 | 23.90        | 11.33 | 0.82  |                   |                   |  |
| 25                    |                 | 23.89        | 11.43 | 0.82  |                   |                   |  |
| 26                    |                 | 23.83        | 11.34 | 0.79  |                   |                   |  |
| 27                    |                 | 23.82        | 11.42 | 0.81  |                   |                   |  |
| 28                    |                 | 23.82        | 11.41 | 0.81  |                   |                   |  |
| 29                    |                 | 23.84        | 11.43 | 0.82  |                   |                   |  |
| 30                    |                 | 23.89        | 11.43 | 0.80  |                   |                   |  |
| 31                    |                 | 23.83        | 11.34 | 0.79  |                   |                   |  |
| 32                    |                 | 23.82        | 11.40 | 0.78  |                   |                   |  |
| MAX.                  |                 | 23.90        | 11.43 | 0.82  |                   |                   |  |
| MIN.                  |                 | 23.80        | 11.33 | 0.78  |                   |                   |  |
| AVERAGE               |                 | 23.85        | 11.39 | 0.80  |                   |                   |  |
| STDEV                 |                 | 0.03         | 0.04  | 0.01  |                   |                   |  |
| CP                    |                 | 1.98         | 1.59  | 2.01  |                   |                   |  |
| Cpk                   |                 | 1.97         | 1.50  | 1.96  |                   |                   |  |

## Reliability Test Report

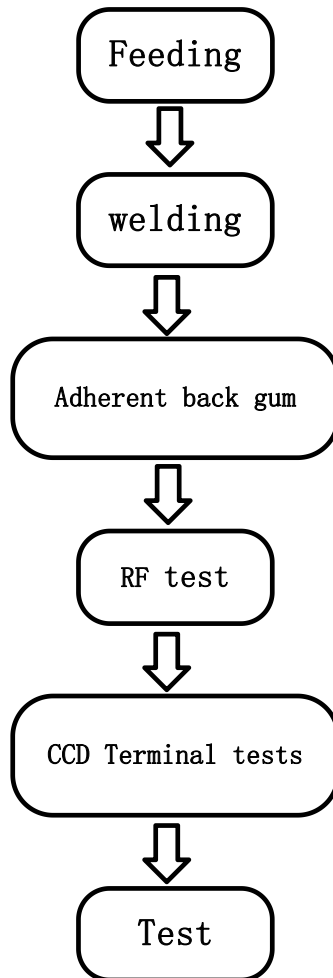
| Client |                                   | Project name                          | SL02 WIFI antenna                                                                                                                                                                                                                                                                     | Innowave Number                                |              | Test date | 2021/3/18 | Completion date | 2021/4/28 |          |
|--------|-----------------------------------|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|--------------|-----------|-----------|-----------------|-----------|----------|
| NO.    | Test project                      | Testing instruments                   | Test conditions                                                                                                                                                                                                                                                                       | Criteria                                       | Test samples |           |           |                 |           | Decision |
|        |                                   |                                       |                                                                                                                                                                                                                                                                                       |                                                | 1            | 2         | 3         | 4               | 5         |          |
| 1      | Drawing test                      | Tension gauge                         | Fasten wire at one end PCB,start tension gauge at the other end                                                                                                                                                                                                                       | Tension 8-18 N, feeder no damage, mesh test OK | OK           | OK        | OK        | OK              | OK        | OK       |
| 2      | Hot and cold impact               | Hot and cold impact box               | Put the product into the cold and hot impact test box, the temperature of the box immediately drops to -40℃, the duration of 1 H;5 minutes with the box into the hot box, maintain 80℃, the duration of 1 H;5 minutes with the box into the cold box; repeat the above cycle 24 times | No cracking,shedding                           | OK           | OK        | OK        | OK              | OK        | OK       |
| 3      | Constant temperature and humidity | Constant temperature and humidity box | Put the sample in a constant temperature and humidity box, set the temperature 60℃, humidity 80, duration :48 H                                                                                                                                                                       | No cracking,shedding                           | OK           | OK        | OK        | OK              | OK        | OK       |
| 4      | Saltspray Test                    | Salt water spray box                  | Place the product flat at 5% NaCl,PH 6.5~7.0, and spray continuously for 48 hours at 35℃ temperature                                                                                                                                                                                  | No corrosion, oxidation                        | OK           | OK        | OK        | OK              | OK        | OK       |

## Saltspray Test Report

|                                                                                                                                                                                                                                                                                                                                    |                                                                                                     |                              |                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------|----------------------------------------------|
| Client                                                                                                                                                                                                                                                                                                                             |                                                                                                     | Project name                 | SL02 WIFI antenna                            |
| Sample situation                                                                                                                                                                                                                                                                                                                   | Number of samples: 5PCS                                                                             |                              |                                              |
| Test start and end time                                                                                                                                                                                                                                                                                                            | 18 March 2021 0940 to 20 March 2021 0940, a total of 48 H                                           |                              |                                              |
| Type of test                                                                                                                                                                                                                                                                                                                       | <input checked="" type="checkbox"/> NSS                                                             | <input type="checkbox"/> ASS | <input type="checkbox"/> CASS                |
| Test conditions                                                                                                                                                                                                                                                                                                                    | Salt solution: 5%                                                                                   |                              | PH:7.0                                       |
|                                                                                                                                                                                                                                                                                                                                    | Box temperature: 35° C                                                                              |                              | relative humidity: 5%                        |
|                                                                                                                                                                                                                                                                                                                                    | Spray mode: <input checked="" type="checkbox"/> continuity<br><input type="checkbox"/> intermission |                              | Compressed air pressure: 1kg/cm <sup>2</sup> |
|                                                                                                                                                                                                                                                                                                                                    | Salt spray settling rate: 1-3ml/80cm <sup>2</sup> .h                                                |                              | Fog collection: 1.2ml                        |
|                                                                                                                                                                                                                                                                                                                                    | Test cycle: 1 cycle                                                                                 |                              | Spray time: 48H                              |
|                                                                                                                                                                                                                                                                                                                                    |                                                                                                     |                              |                                              |
| Decision criteria                                                                                                                                                                                                                                                                                                                  | Post test appearance: The appearance is intact, no obvious change                                   |                              |                                              |
|                                                                                                                                                                                                                                                                                                                                    | Plating: No peeling and no rust                                                                     |                              |                                              |
|                                                                                                                                                                                                                                                                                                                                    | Surface spray, silk printing: No shedding, no bubbles                                               |                              |                                              |
| Result                                                                                                                                                                                                                                                                                                                             | OK                                                                                                  |                              |                                              |
| <p>Explain:</p> <p>1、The salt spray test operation standard was performed in accordance with the national standard of the people's Republic of China GB / t2423.17-2008</p> <p>2、Subject outcome adjudication criteria were performed in accordance with the national standard of the people's Republic of China GB / t6461-02</p> |                                                                                                     |                              |                                              |

## Process Flow Chart(制造流程图)

|                   |                   |                 |     |                     |           |
|-------------------|-------------------|-----------------|-----|---------------------|-----------|
| Customer(客户)      |                   | Written By(制作)  | 刘丽芳 | Orig. Date(制作日期)    | 2021/4/28 |
| Part Number(料号)   |                   | Revised By(校订)  | 刘丽芳 | Revised Date(校订日期)  | 2021/4/28 |
| Description(零件名称) | SL02 WIFI antenna | Approved By(确认) | 刘强  | Approved Date(确认日期) | 2021/4/28 |



## List of materials/RoHS reports

[illegible]

# Control Plan

|                                          |  |                                                                    |                                           |                                            |                   |                                                      |                 |               |                                   |                            |                     |                                                                                                                                                                                                                                                                            |  |                                                                                                                  |           |                                                                                                                                                                         |                       |                                                                                                 |  |                        |  |
|------------------------------------------|--|--------------------------------------------------------------------|-------------------------------------------|--------------------------------------------|-------------------|------------------------------------------------------|-----------------|---------------|-----------------------------------|----------------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------------------|--|------------------------|--|
| <input type="checkbox"/> 样件<br>Prototype |  |                                                                    | <input type="checkbox"/> 试生产<br>Prelaunch |                                            |                   | <input checked="" type="checkbox"/> 生产<br>Production |                 |               | 主要联系人/电话<br>Key Contact/Phone     |                            |                     | 日期 (编制)<br>Date(Original)                                                                                                                                                                                                                                                  |  |                                                                                                                  | 2021/4/28 |                                                                                                                                                                         |                       |                                                                                                 |  |                        |  |
|                                          |  |                                                                    |                                           |                                            |                   | 产品名称<br>Part Name                                    |                 | 序号<br>Version |                                   | 变更内容<br>Contents of change |                     |                                                                                                                                                                                                                                                                            |  | 制定人/日期<br>Prepared by/Date                                                                                       |           | 审批人/日期<br>Approval by/Date                                                                                                                                              |                       |                                                                                                 |  |                        |  |
| 零件编号<br>Part Number                      |  | 顾客工程批准/日期 (如需要)<br>Customer Engineering Approval/Date(if Required) |                                           |                                            | 制作<br>Build by    |                                                      | SL02            |               |                                   |                            | 初版发行<br>First Issue |                                                                                                                                                                                                                                                                            |  |                                                                                                                  | 2021/3/19 |                                                                                                                                                                         | 2021/3/20             |                                                                                                 |  |                        |  |
| 料号                                       |  |                                                                    |                                           |                                            | 李志枫               |                                                      | 客户名<br>Customer |               | /                                 |                            | /                   |                                                                                                                                                                                                                                                                            |  |                                                                                                                  |           |                                                                                                                                                                         |                       |                                                                                                 |  |                        |  |
| 零件名称<br>Part Name                        |  | 其它批准/日期 (如需要)<br>Approval by others (if required):                 |                                           |                                            | 审批<br>Approval by |                                                      |                 |               | /                                 |                            | /                   |                                                                                                                                                                                                                                                                            |  |                                                                                                                  |           |                                                                                                                                                                         |                       |                                                                                                 |  |                        |  |
| WIFI组件天线                                 |  | /                                                                  |                                           |                                            |                   |                                                      |                 |               |                                   |                            |                     |                                                                                                                                                                                                                                                                            |  |                                                                                                                  |           |                                                                                                                                                                         |                       |                                                                                                 |  |                        |  |
| 零件/过程编号Part/<br>Process No.              |  | 过程名称/<br>操作描述                                                      |                                           | 机器、装置<br>夹具、工装                             |                   | 特性                                                   |                 |               | 特殊特性<br>分类<br>Special Char. Class |                            | 方法 Methods          |                                                                                                                                                                                                                                                                            |  |                                                                                                                  |           |                                                                                                                                                                         | 反应计划<br>Reaction plan |                                                                                                 |  |                        |  |
|                                          |  | Process Name/<br>Operation Description                             |                                           | Machine,<br>Device, Jig,<br>Tools For Mfg. |                   | 编号<br>No.                                            |                 | 产品<br>Product |                                   | 过程<br>Process              |                     | 产品/过程规范/公差<br>Product/process Specification/Tolerance                                                                                                                                                                                                                      |  | 评价测量技术<br>Evaluation Measurement Technique                                                                       |           | 样品Sample                                                                                                                                                                |                       | 控制方法<br>Control method                                                                          |  |                        |  |
| 1                                        |  | IQC Incoming inspection                                            |                                           | Quadratic element                          |                   | 1                                                    |                 | Appearance    |                                   |                            |                     | No virtual weld, missed weld, tin tip, pile tin, isometric braid layer deformation, oil class no pressure injury, skin breaking, the terminal has no directional error, pressure injury, scratch injury, poor deformation.Attachments, kimblebs without breakage, soiling, |  | visual                                                                                                           |           | According to gb2828-2003 criteria, general test level II was taken; For severe defects, AQL < 0 The main defect is taken as AQL 0.25 The secondary defects take AQL 1.0 |                       | Engineering drawings<br>Sampling plan<br>Supplier shipment report<br>IQC feed inspection report |  | MRB<br>Material review |  |
|                                          |  |                                                                    |                                           |                                            |                   | 2                                                    |                 | Size          |                                   |                            |                     | Refer to drawings for focused tubulation size                                                                                                                                                                                                                              |  | Quadratic element                                                                                                |           | 5pcs/batch                                                                                                                                                              |                       | Full size test report                                                                           |  |                        |  |
|                                          |  |                                                                    |                                           |                                            |                   | 3                                                    |                 | RoHS          |                                   |                            |                     | Source minimum packaging is RoHS labeled and other requirements are detailed in the specification for the management of substances in environmental control (SW / GZ 5.4-01)                                                                                               |  | 1. Validation of third party reports<br>2. Check that there is a RoHS label on the minimum packaging of the feed |           | 100%                                                                                                                                                                    |                       | IQC feed inspection report                                                                      |  |                        |  |
|                                          |  |                                                                    |                                           |                                            |                   | 4                                                    |                 | Packing       |                                   |                            |                     | The packaging is free of dirty change, breakage, deformation, no less material, blend, mismaterial, products are scattered, etc.; the label is legible, the information is accurate and without smear                                                                      |  | visual                                                                                                           |           | 100%                                                                                                                                                                    |                       | IQC test statement                                                                              |  |                        |  |
|                                          |  |                                                                    |                                           |                                            |                   | 5                                                    |                 | Pull          |                                   |                            |                     | 8-18N                                                                                                                                                                                                                                                                      |  | Tensimeter                                                                                                       |           | 5pcs/batch                                                                                                                                                              |                       |                                                                                                 |  |                        |  |

|   |                       |                                        |   |            |  |  |                                                                                                                                                                                                                                                              |                   |                                                                                                                                                                                        |                                                                                          |                                                                                                                                                          |
|---|-----------------------|----------------------------------------|---|------------|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2 | Welding,<br>Back glue | Electric iron                          | 1 | Welding    |  |  | Weld point no virtual weld,<br>missed weld, tin tip, pile tin,<br>isometric braiding layer<br>deformation, etc., back glue no<br>adhesion                                                                                                                    | visual            | 100%                                                                                                                                                                                   | Production self<br>inspection report<br><br>SOP<br>Engineering drawings.<br>Presenteeism | End of life<br>Notification of<br>line change<br>procedure<br>Notified line<br>leader to change<br>person<br>Notified PE /<br>line leader<br>Notified PE |
| 3 | RF<br>test            | RF<br>Test equipment                   | 1 | RF test    |  |  | See RF test assignment guide                                                                                                                                                                                                                                 | Net Score         | 100%                                                                                                                                                                                   |                                                                                          |                                                                                                                                                          |
| 4 | FQC                   | Quadratic element<br>RF Test equipment | 1 | Appearance |  |  | No virtual weld, missed weld, tin<br>tip, pile tin, isometric braid<br>layer deformation, oil class no<br>pressure injury, skin breaking,<br>the terminal has no directional<br>error, pressure injury, scratch<br>injury, poor deformation.                 | visual            | According to gb2828-2003 criteria,<br>general test level II was taken;<br>For severe defects, AQL < 0<br>The main defect is taken as AQL<br>0.25<br>The secondary defects take AQL 1.0 | IPQC in-process product<br>checklist<br><br>IPQC inspection report                       | End of life                                                                                                                                              |
|   |                       |                                        | 2 | Size       |  |  | Refer to drawings for focused<br>tubulation size                                                                                                                                                                                                             | Quadratic element | 5pcs/batch                                                                                                                                                                             | Engineering drawings.<br>IPQC in-process product<br>checklist                            |                                                                                                                                                          |
|   |                       |                                        | 3 | RF test    |  |  | See RF test assignment guide                                                                                                                                                                                                                                 | Net Score         | 10pcs/batch                                                                                                                                                                            | IPQC in-process product<br>checklist<br><br>IPQC inspection report                       |                                                                                                                                                          |
| 5 | Packing               |                                        | 1 | Appearance |  |  | No scratch, scratch, stain,<br>homochromatic foreign body spots,<br>bump, scuff, spray surface no air<br>bubbles, paint accumulation,<br>leaky substrate, color<br>difference.Package is dirty,<br>broken, and deformed.No wrong<br>material and deformation | visual            | 100%                                                                                                                                                                                   | BOM                                                                                      | 1. Return for<br>revision<br><br>2. End of life                                                                                                          |
|   |                       |                                        | 2 | Number     |  |  | Quantity accurate, no multi<br>material, little material                                                                                                                                                                                                     |                   | 100%                                                                                                                                                                                   |                                                                                          |                                                                                                                                                          |
|   |                       |                                        | 3 | Packing    |  |  | The packaging is free of dirty<br>change, breakage, deformation, no<br>less material, blend,<br>mismaterial, product dishevelled,<br>etc.; the label is legible and<br>the information accurate without<br>smear change; the smallest<br>change is 0.5mm     | visual            | 100%                                                                                                                                                                                   |                                                                                          |                                                                                                                                                          |

|   |         |                                               |   |                                                                                                                       |        |      |                                                                                                                                                                                                                           |                   |                                                                                                                                                                                 |                                                                    |                                              |
|---|---------|-----------------------------------------------|---|-----------------------------------------------------------------------------------------------------------------------|--------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|----------------------------------------------|
| 6 | OQC     | Quadratic element<br>Film thickness<br>tester | 1 | Appearance                                                                                                            |        |      | No virtual weld, missed weld, tin tip, pile tin, isometric braid layer deformation, oil class no pressure injury, skin breaking, the terminal has no directional error, pressure injury, scratch injury, poor deformation | visual            | According to gb2828-2003 criteria, general test level II was taken<br>For severe defects, AQL < 0<br>The main defect is taken as AQL 0.25<br>The secondary defects take AQL 1.0 | Engineering drawings.<br><br>BOM<br><br>Shipment inspection report | 1. Return for revision<br><br>2. End of life |
|   |         |                                               | 2 | Size                                                                                                                  |        |      | Refer to drawings for focused tubulation size                                                                                                                                                                             | Quadratic element | 5pcs/batch                                                                                                                                                                      |                                                                    |                                              |
|   |         |                                               | 3 | Label                                                                                                                 |        |      | 1. Check that the present ticket on the outsourcing box matches the customer order requirements;                                                                                                                          | visual            | 100%                                                                                                                                                                            |                                                                    |                                              |
|   |         |                                               |   |                                                                                                                       |        |      | 2. Check that the number of packages (boxes) of the product corresponds;                                                                                                                                                  |                   |                                                                                                                                                                                 |                                                                    |                                              |
|   |         |                                               |   |                                                                                                                       |        |      | 3. Check that there is a RoHS label on the product packaging box (box);                                                                                                                                                   |                   |                                                                                                                                                                                 |                                                                    |                                              |
|   |         |                                               |   |                                                                                                                       |        |      | 4. Verify that there is an FQC inspection qualification label or seal on the product package box (box);                                                                                                                   |                   |                                                                                                                                                                                 |                                                                    |                                              |
|   |         |                                               |   | 5. Check that labels match date / Does the bidimensional code label correspond                                        |        |      |                                                                                                                                                                                                                           |                   |                                                                                                                                                                                 |                                                                    |                                              |
|   |         |                                               |   | Does monomer packing meet demand                                                                                      |        |      |                                                                                                                                                                                                                           |                   |                                                                                                                                                                                 |                                                                    |                                              |
|   |         |                                               |   | RoHS Identify if there is a paste                                                                                     |        |      |                                                                                                                                                                                                                           |                   |                                                                                                                                                                                 |                                                                    |                                              |
| 4 | Packing |                                               |   | Minimum pack with ROHS label, legible label lettering and accurate information; pack free of dirty, broken, deformed. | visual | 100% |                                                                                                                                                                                                                           |                   |                                                                                                                                                                                 |                                                                    |                                              |

# Packing

|                     |              |                      |                                          |
|---------------------|--------------|----------------------|------------------------------------------|
| INNOWAVE Number:    |              | Material Name:       | SL02 WIFI antenna                        |
| Specifications      | WIFI antenna | Packaging materials: | Carton + self sealing bag + pearl cotton |
| Number of packages: | 1 Box        | Packing method:      | Single pack                              |
| Packing number:     | 5000 PCS     |                      |                                          |

Figure 1:Single package



Figure 2:Packing Method



Figure3:Box view (front,side,top)



Figure4:Outer box label



Remarks:

- 1. The product is packed in 50pcs, and the top of the coaxial line (conductor part) is wrapped with pearl cotton. Then it is put into the self sealing bag, and then into the carton
- 2. The quantity of each case is subject to the actual delivery quantity