



SHENZHEN JINHONG WIRELESS

Product Specification

| | | | | |
|--------------------|---|--|---|--|
| Part Description | Vendor: xili | | Description: <u>QZJHXL2305-039</u> | |
| | Product Name: R-射频天线 | | Project: K300S | |
| | Part NO: | | Version: A1 | |
| Attachments | <input checked="" type="checkbox"/> Spec | | <input checked="" type="checkbox"/> ROHS Report | |
| | <input type="checkbox"/> Cpk Report | | <input type="checkbox"/> Reliability Report | |
| | <input type="checkbox"/> QC Flow Chart | | <input type="checkbox"/> Material Verification Sheet | |
| | <input type="checkbox"/> Packing Content | | <input type="checkbox"/> Material inspection standard | |
| | <input checked="" type="checkbox"/> Drawing | | <input type="checkbox"/> Sample | |
| | <input type="checkbox"/> FAI Report | | <input type="checkbox"/> Safety Report | |
| | <input type="checkbox"/> Molding conditions | | <input type="checkbox"/> | |
| | <input type="checkbox"/> | | <input type="checkbox"/> | |
| Vendor | Design: 奚翔 | | Approval: 彭发辉 | |
| | Check: 郑翠兰 | | | |
| Technology check | Mechanical: | | Hardware: | |
| | ID: | | Market: | |
| | DQE/SQE: | | | |
| Final check | ROHS: Quality plannin | | | |
| Approval condition | <input type="checkbox"/> Approved <input type="checkbox"/> Reject <input type="checkbox"/> Condition approved <input type="checkbox"/> Temporary approved | | | |
| Approval by | RD Leader(Technology Director) | | Quality Director | |
| Distribute | <input type="checkbox"/> IQC <input type="checkbox"/> 采购（供应商） <input type="checkbox"/> 样品管理/文控 <input type="checkbox"/> 外协厂 <input type="checkbox"/> 其它 | | | |

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2 instructions

This report includes several equipment, test environment and test results for the electrical performance of the antenna, as well as structural drawings and inspection reports of the antenna. Below is a picture of the antenna.

3 Product specifications

| Electrical Specifications | |
|---------------------------|------------|
| Frequency Range (MHz) | 824-2700 |
| Gain (dBi) | 1.96 |
| VSWR | ≤2.2 |
| Input Impedance (Ω) | 50 |
| Polarization | Vertical |
| Maximum input power (W) | 2 |
| Input connector type | |
| | |
| Dimensions (mm) | 34.63*7.35 |
| Antenna weight (kg) | |
| Antenna color | Green |

4 Reliability test

| | | | |
|---|-----------------|--|---|
| 1 | SAIT SPRAY TEST | <p>Brine spray test: distilled water according to GB1266-86 standard: single distillationPH6.5~7 Spray volume: 1.4me80cm ²/ H compressed air pressure: 1kgf / cm² Test Relativity: 98 ° Temperature: 45 ° ~ 47 ° Pressure temperature: 35 ° Test time: 24hr</p> | <p>All characteristic range is 30% of the initial value</p> |
| 2 | HEAT TEST | <p>85+2°C for 96 hours, after keep in normal condition for 30mim the to test.</p> | |
| 3 | HUMIDITY TEST | <p>40+2°C 90-95%RH for 96hours, after keep in normal condition for 30mim the to test.</p> | |
| 4 | COLD TEST | <p>-40+2°C for 96hours, after keep in normal condition for 30mim the to test.</p> | |

5 Electrical performance test

5.1 Test equipment and environment

测试设备



SATIMO-24

ETS

模拟人头手



安捷伦8960



安利MT8820C



CMW500



安捷伦E5071C

| 测试系统 | 测试环境 | 有源测试 | 无源测试 |
|-----------|--------------|-------------|-----------|
| SATIMO—24 | 温度：22℃ ± 3℃ | 支持2G/3G/4G | 400MHZ—6G |
| ETS | 湿度：50% ± 15% | BT/WIFI/GPS | |

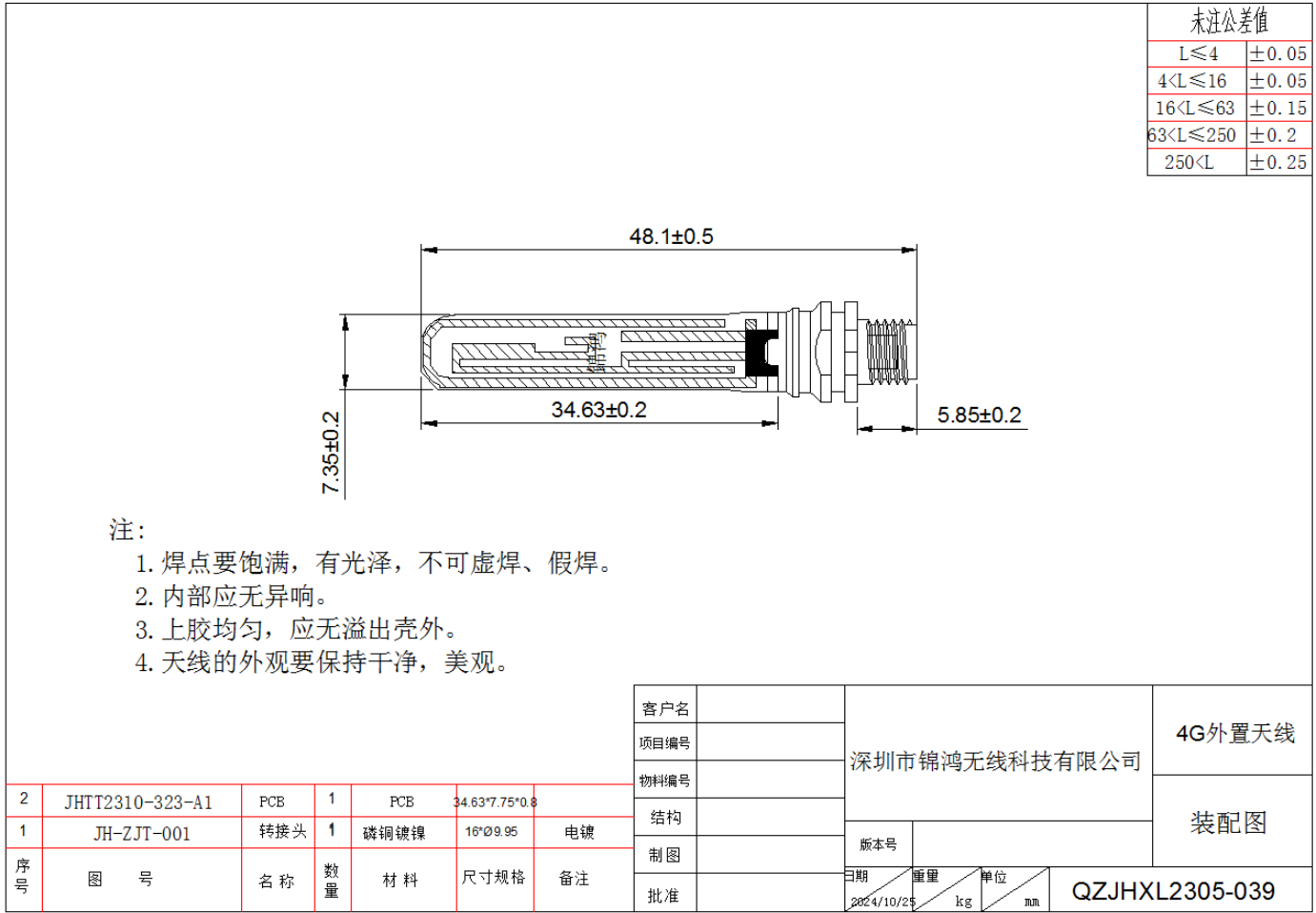
5.2 Antenna OTA data

| | B8 | | | B1 | | | B3 | | | B5 | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| CHN | 21500 | 21625 | 21750 | 18050 | 18250 | 18550 | 19250 | 19550 | 19900 | 20450 | 20525 | 20600 |
| TRP | 17.4 | 17.6 | 17.5 | 21.1 | 21.8 | 21.2 | 21.1 | 22.1 | 21.7 | 19.8 | 20.5 | 20.1 |
| TIS | | | -90.4 | | | -92.0 | | | -92.7 | | | -91.5 |

| | B38 | | | B39 | | | B40 | | | B41 | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| CHN | 37850 | 38000 | 38150 | 38350 | 38450 | 38550 | 38750 | 39150 | 39550 | 40600 | 40700 | 40800 |
| TRP | 21.1 | 21.4 | 20.7 | 20.2 | 19.5 | 20.6 | 20.3 | 21.8 | 21.9 | 20.6 | 19.8 | 19.5 |
| TIS | | | -92.1 | | | -92.1 | | | -92.6 | | | -92.0 |

| | B2 | | | B4 | | | B7 | | | B28 | | |
|-----|------|------|-------|------|------|-------|------|------|-------|------|------|-------|
| CHN | 650 | 900 | 1150 | 2000 | 2175 | 2350 | 2800 | 3100 | 3400 | 9260 | 9435 | 9610 |
| TRP | 19.4 | 19.4 | 18.8 | 19.2 | 19.3 | 19.6 | 21.5 | 20.8 | 19.3 | 18.0 | 18.3 | 19.3 |
| TIS | | | -92.4 | | | -92.4 | | | -92.2 | | | -92.8 |

6 Engineering drawings



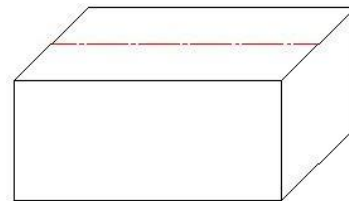
7 Packing method

Inside:

PE bag packaging, 200pcs / bag

PE bag size: 30*180

External :



carton packaging, 100 bags / box

carton packaging size 330*270*220