

# G21B Antenna SPEC

(公章)

Supplier name: Sichuan B&T Technology Co., Ltd.

Material description: 2.4G / 5.8G built-in WIFI1 antenna (FPC 28.5×9.8)-  
gray 1.13 low-loss line-terminal, L=230mm

Material code: \_\_\_\_\_

Acknowledge book editions : A1

四川博安通信技术有限公司  
工程专用章

(备注：此份承认书为广州源动智慧体育科技有限公司使用)

| Supplier name |          |          |
|---------------|----------|----------|
| compilation   | verify   | approval |
| Qiucuiping    | Liulihua | Zhouquan |

| Source recognition column |         |                        |
|---------------------------|---------|------------------------|
| R&D                       | quality | Environmental friendly |
|                           |         |                        |

# Document revision resume

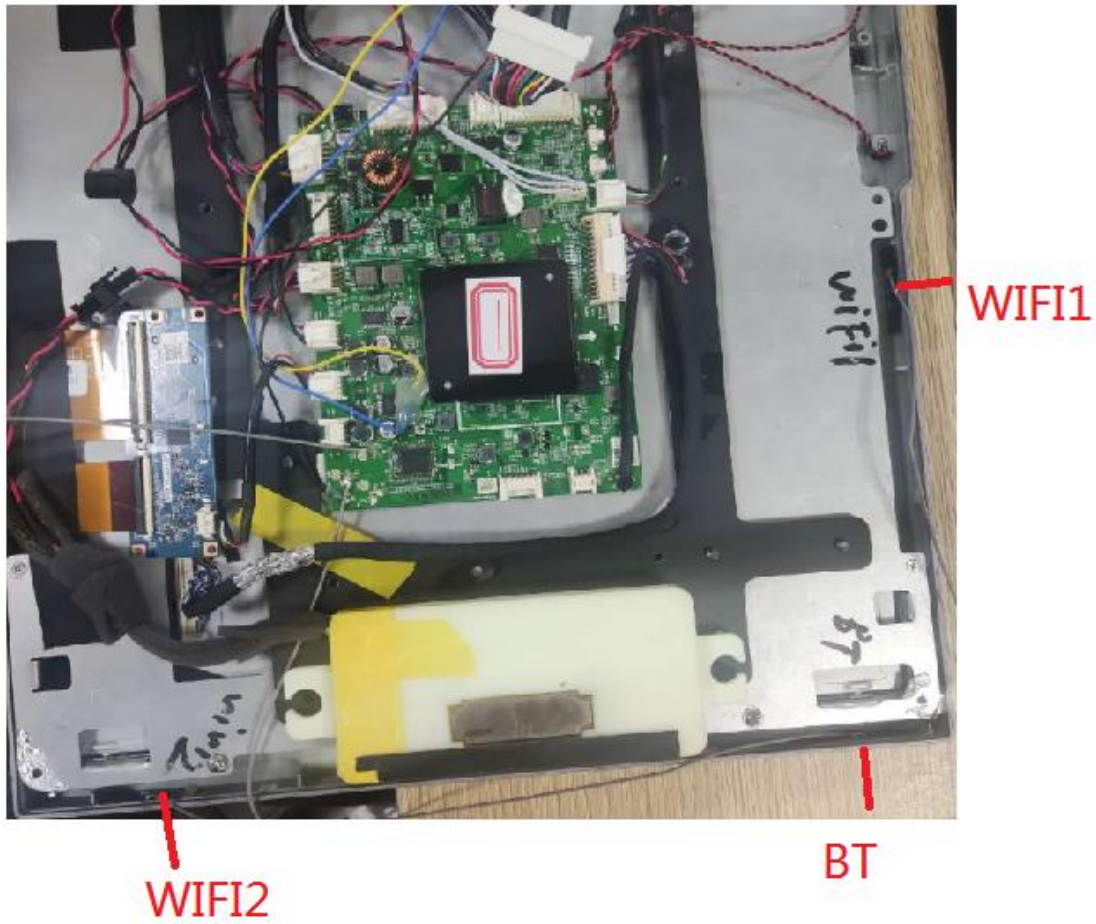
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# catalogue

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## 2、Physical photos of products



### 3、QC engineering drawing

| B&T 博安通                                                                                                                           |            |                                      |                                                                                                                                                                                              | Product/<br>Specification                                                            | Built-in FPC universal QC<br>engineering drawing | No.                                                                          | 240701                                                |                                                          |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                             |                                                                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------|------------|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------|------------------------------------------------------------------------------|-------------------------------------------------------|----------------------------------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Quality Control Flow Chart (QC Engineering Chart)                                                                                 |            |                                      |                                                                                                                                                                                              |                                                                                      |                                                  | Version: A0                                                                  | Page: 3 total                                         | Compiler                                                 | Fubingfang            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                             |                                                                                                                                                           |
|                                                                                                                                   |            |                                      |                                                                                                                                                                                              |                                                                                      |                                                  | Release Date                                                                 | 15/06/2024                                            | Approver                                                 | zengkang              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                             |                                                                                                                                                           |
| Symbolic representation: Storage process  Inspection process  Operating procedure  Up and down process connectors  End of process |            |                                      |                                                                                                                                                                                              |                                                                                      |                                                  |                                                                              |                                                       |                                                          |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                             |                                                                                                                                                           |
| No.                                                                                                                               | Flowchart. | Process Name                         | Process Explanation                                                                                                                                                                          | Production<br>equipment                                                              | Inspection<br>characterisation                   | Inspection items                                                             | Methods of control                                    |                                                          |                       | Inspection criteria (key<br>components)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Exception<br>handling                                       | Note                                                                                                                                                      |
|                                                                                                                                   |            |                                      |                                                                                                                                                                                              |                                                                                      |                                                  |                                                                              | Instrument                                            | AQL                                                      | Responsible<br>Person |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                             |                                                                                                                                                           |
| 1                                                                                                                                 |            | Incoming material<br>inspection      | /                                                                                                                                                                                            | /                                                                                    | Sampling                                         | Size/ Appearance                                                             | Calipers/<br>Micrometers/Visual                       | AQL:0.25/0.65<br>according to<br>GB2328 S-4/<br>Grade II | IPQC                  | 1. Wire: check the colour and shape<br>with the sealed sample; Appearance<br>requirements: no cuts in the braid,<br>no burrs, tin tip, bifurcation, dip<br>tin in place; no cuts in the<br>insulation; no cuts in the inner<br>conductor, no oxidation of the<br>wire, good tin;<br>2. FPC board: compare the<br>appearance, colour, line and<br>printing with the sealed sample, no<br>copper exposure, mutilation,<br>folding and other defects on the<br>surface of the board, good hand-<br>tearing ear position, measured<br>according to the drawings;<br>3. Terminal: appearance, plating is<br>not bad, salt spray test, insertion<br>and extraction force test,<br>maintenance force test qualified,<br>shrapnel without sagging or poor<br>closure;<br>4. Dimensions are measured<br>according to the requirements of<br>engineering drawings;<br>5. Environmental protection<br>sampling test without bad.                                        | Returns,<br>selective<br>purchases or<br>special<br>offers. | Reworked<br>products<br>suppliers must<br>come up with<br>rework<br>solutions, re-<br>selected and<br>re-sent to the<br>inspection,<br>until<br>qualified |
| 2                                                                                                                                 |            | first article<br>inspection          | The manufacturing<br>department<br>assembles according<br>to the normal<br>production process,<br>and the team leader<br>sends 5 PCS to IPQC<br>for inspection<br>after self-<br>inspection. | Stamping<br>Machine/<br>Automatic<br>Wire Cutting<br>Machine/<br>Network<br>Analyser | Full inspection                                  | Size/<br>Appearance/<br>Mechanical<br>properties<br>Electrical<br>properties | Calipers/ visual/<br>Tensiometer/ Network<br>analyser | Full<br>inspection                                       | IPQC                  | 1. The parts of the product are not<br>used incorrectly. 2. FPC<br>board: Compare the shape, colour,<br>line and printing with the sealed<br>sample, no copper exposure,<br>mutilation, folding and other<br>defects on the board, and the hand-<br>tearing ear position is good.<br>3. Terminal: terminal and wire<br>combination according to SOP<br>requirements, large, medium and<br>small claws according to the<br>requirements of the combination of<br>wire, terminal body without<br>oxidation, scratches, deformation,<br>damage and other defects, plating<br>without blistering, peeling off<br>defects, terminal shrapnel without<br>closure defects.<br>4. No damage to the wire, colour<br>difference, size is not bad;<br>5. Terminal maintenance force ≥<br>1kg;<br>6. Size, electrical properties                                                                                                                                         | Reproduce<br>and send for<br>testing                        | The first<br>piece is<br>confirmed to<br>be qualified<br>before formal<br>production                                                                      |
| 3                                                                                                                                 |            | Wire cutting/<br>Terminal taping     | Cut the cables<br>according to the<br>drawing and connect<br>the terminal B to<br>the terminal.                                                                                              | Fully<br>automatic<br>wire cutting<br>and terminal<br>crimping<br>machine            | Sampling                                         | Size/<br>Appearance                                                          | Calipers/ visual/<br>Tensiometer                      | 2H/session                                               | IPQC                  | 1. The A end is well tinned,<br>without tin tip, tin nodule, tin<br>connection and other defects, the<br>medium is not burned, and the mesh<br>and medium are not cut.<br>2. The wire model meets the<br>requirements of the drawing, and<br>the cable has no damage, color<br>difference, crease, burn,<br>indentation and other defects.<br>3. The B end is terminalized, the<br>terminal and the wire are combined<br>according to the SOP requirements,<br>the large, medium and small claws<br>are combined with the wire<br>according to the requirements, the<br>terminal body has no oxidation,<br>scratches, deformation, damage and<br>other defects, the coating has no<br>blistering, poor shedding, and the<br>terminal spring has no poor<br>closure.<br>4. The terminal holding force is ≥<br>1kg;<br>5. The cable length meets the<br>requirements of the drawing, and<br>the stripping length of the A end<br>meets the requirements of the | Rework/<br>scrap                                            |                                                                                                                                                           |
| 4                                                                                                                                 |            | Soldering FPC<br>boards              | According to SOP,<br>solder the core<br>wire first and then<br>the shield                                                                                                                    | Constant<br>temperature<br>soldering<br>iron/ tin<br>wire                            | Sampling                                         | Appearance                                                                   | Visual/ Tensiometer                                   | 2H/session                                               | IPQC                  | 1. Check whether there is false<br>soldering, false soldering, cold<br>soldering, tin slag, or poor solder<br>joints;<br>2. Check and confirm the<br>temperature of the soldering iron<br>tip every 2 hours;<br>3. Check whether the pad retention<br>force meets the requirements.<br>4. Check whether the tin wire and<br>solder paste used meet<br>environmental protection<br>requirements.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Rework                                                      | The tin point<br>cannot be too<br>large. Pay<br>attention to<br>the direction<br>of the cup<br>mouth.                                                     |
| 5                                                                                                                                 |            | Cleaning/<br>Separation              | Clean the FPC<br>boards and separate<br>them                                                                                                                                                 | Manual/<br>Toothbrush                                                                | Sampling                                         | Appearance                                                                   | Visual                                                | 2H/session                                               | IPQC                  | 1. Check the FPC surface without<br>excessive rosin.<br>2. Check that there is no exposed<br>copper on the FPC surface.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Rework                                                      |                                                                                                                                                           |
| 6                                                                                                                                 |            | Electrical<br>Performance<br>Testing | Tested according to<br>the requirements<br>of the operating<br>instructions                                                                                                                  | Network<br>Analyzer                                                                  | Full inspection/<br>Sampling                     | Electrical<br>properties                                                     | Network Analyzer                                      | FQC:Full<br>inspection<br>//<br>IPQC:                    | FQC<br>IPQC           | Work in accordance with SOP<br>requirements, and the test graphics<br>are consistent with the engineering<br>samples.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Rework                                                      |                                                                                                                                                           |

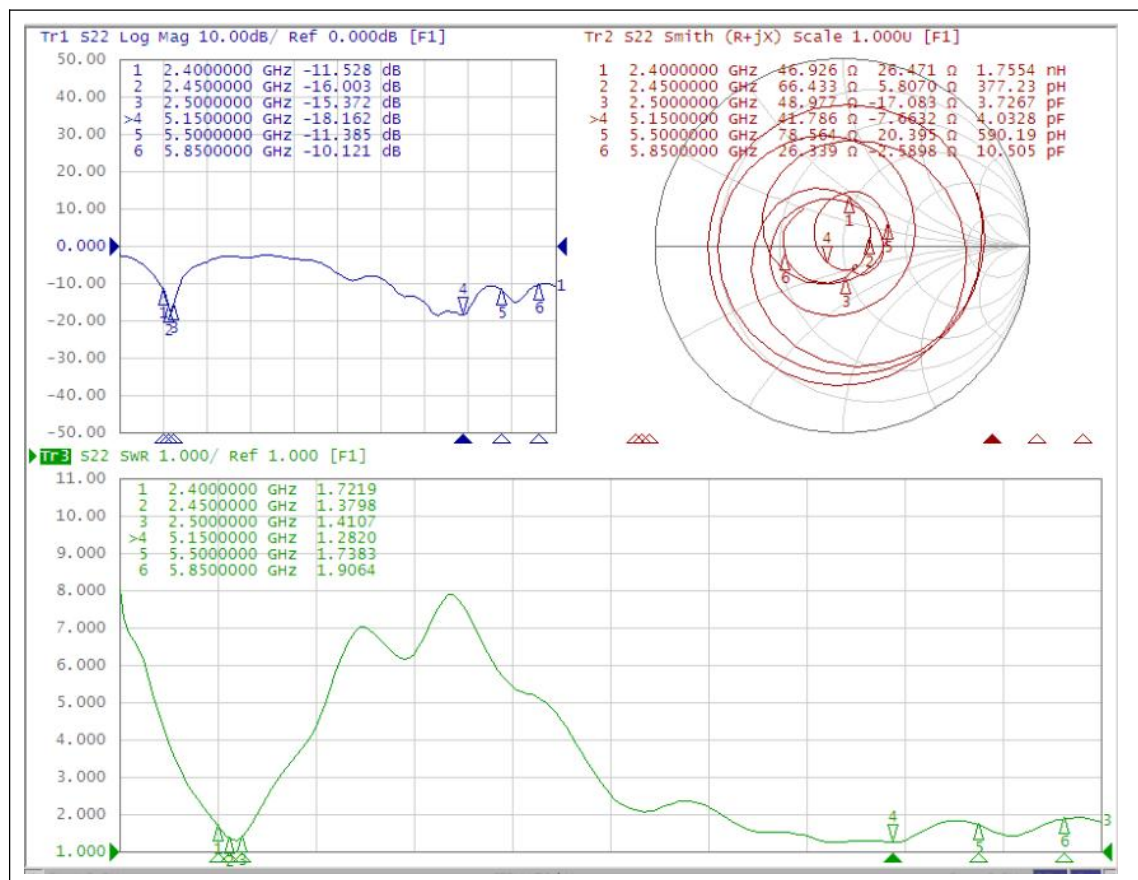
|    |                                                                                     |                          |                                                                                                                                                                        |                                                     |                 |                                                          |                                                              |                                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                       |                                                                                                                                                                         |
|----|-------------------------------------------------------------------------------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|-----------------|----------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7  |    | Check the appearance     | Carry out appearance inspection as required.                                                                                                                           | /                                                   | Full inspection | Appearance                                               | Visual                                                       | FQC:Full inspection<br>//<br>IPQC:<br>2H/session | FQC<br>IPQC  | 1. All parts of the product are used correctly. 2. FPC board: Compared with the sealed sample, the appearance, color, circuit, and printing are not exposed copper, incomplete, folded, etc. on the board surface, and the hand-torn ear position is good. 3. Terminals: The terminals and wires are combined according to SOP requirements, and the large, medium and small claws are combined with the wires as required. The terminal body has no oxidation, scratches, deformation, damage, etc., the plating has no blistering, poor shedding, and the terminal spring clip has no poor closure. 4. The wire is not damaged, the color difference is bad, and the size is not bad. | Rework                                | Defective products detected will be returned for repair or scrapped. After repair, the electrical performance must be tested before being sent for a second inspection. |
| 8  |    | Package                  | Finished products that pass the appearance inspection shall be packaged according to the packaging requirements of the SOP operating instructions and approval letter. | Electronic scale sealing machine/ Packaging machine | Full inspection | Quantity/ Label                                          | Acknowledgement                                              | 2H/session                                       | Packer/ IPQC | 1. No mistakes in packaging materials: 2. No short-packaging, mixing, or labeling errors: 3. Whether the packaging method is consistent with the packaging method in the approval letter: 4. The label format, content, barcode, and QR code scanning information are consistent with the requirements of the label specification document. 5. Check whether the production line weighing records are filled out truthfully.                                                                                                                                                                                                                                                            | Repackaging or replenishing quantity. | Rework packaging                                                                                                                                                        |
| 9  |    | Inspection upon receipt  | Inspection of finished products in accordance with QOC Work Instructions                                                                                               | Forklift                                            | Sampling        | Appearance/ Dimensions/ Performance/ Labelling/ Quantity | Visual/ Caliper/ Acknowledgement/ Drawings/ Network analyzer | AGL:0.25/0.65 according to GB3828 S-4/ Grade II  | QOC          | 1. Appearance, size, electrical performance test and reliability test must meet the requirements of the letter of approval, engineering seal and quality inspection before they can be put into storage: 2. Check whether the packaging quantity is in accordance with the requirements. During random inspection, pay attention to whether there is short packaging, mixed packaging, marking, labeling errors, etc.                                                                                                                                                                                                                                                                   | Rework                                | Reworked products must have a rework solutions and be sent for inspection again after rework until they pass the test.                                                  |
| 10 |  | Pre-shipment inspection. | Inspect finished products according to the Finished Product Inspection Control Procedure                                                                               | /                                                   | Full inspection | Label/ Packaging                                         | Visual                                                       | QOC Sampling                                     | QOC          | 1. Appearance, size, electrical performance test and reliability test must meet the requirements of the letter of approval, engineering sealing and quality inspection before they can be put into storage: 2. Check whether the packaging quantity is in accordance with the requirements. During random inspection, pay attention to whether there is short packaging, mixed packaging, marking or labeling errors, etc.: 3. Attach the shipment inspection report, etc.                                                                                                                                                                                                              | Rework                                | Reworked products must have a rework solutions and be sent for inspection again after rework until they pass the test.                                                  |

Form Number: B&amp;T-QR-QA-138 Version: A0 Retention Period: 5 Years Form Effective Date: January 25, 2016



## 4、Supplier test report

S11



Standing wave ratio data

| Freq/GHz | 2.4 | 2.45 | 2.5 | 5.15 | 5.85 |
|----------|-----|------|-----|------|------|
| VSWR     | 1.7 | 1.3  | 1.4 | 1.2  | 1.9  |

Antenna darkroom test data

| Freq/MHz     | 2400  | 2410  | 2420  | 2430  | 2440  | 2450  | 2460  | 2470  | 2480  | 2490  | 2500  |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Gain/dBi     | 3.06  | 3.07  | 3.62  | 3.29  | 3.38  | 3.52  | 3.57  | 3.78  | 3.99  | 3.46  | 3.43  |
| efficiency/% | 47.04 | 47.28 | 48.16 | 48.31 | 48.82 | 49.18 | 49.58 | 50.33 | 50.30 | 50.07 | 50.61 |

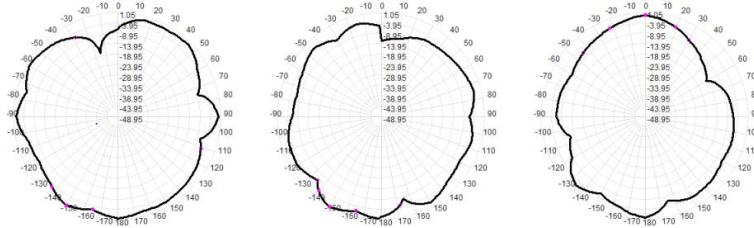
| Freq/MHz     | 5150  | 5200  | 5250  | 5300  | 5350  | 5400  | 5450  | 5500  | 5550  | 5600  | 5650  | 5700  | 5750  | 5800  | 5850  |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Gain/dBi     | 3.40  | 2.95  | 3.85  | 3.68  | 3.26  | 3.08  | 3.18  | 3.53  | 2.94  | 3.54  | 2.88  | 2.31  | 3.10  | 3.87  | 3.62  |
| efficiency/% | 56.21 | 52.00 | 58.01 | 56.49 | 53.84 | 56.89 | 60.99 | 58.48 | 57.44 | 59.15 | 59.02 | 56.09 | 56.16 | 61.77 | 59.04 |



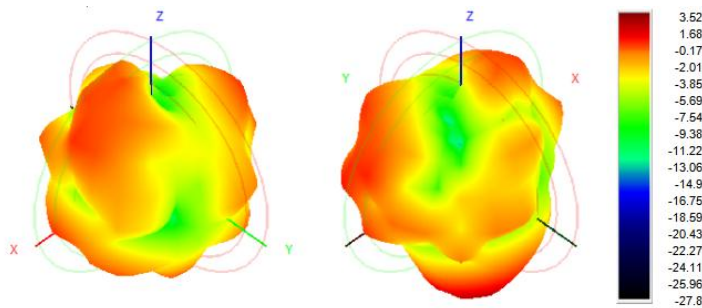
## Antenna direction diagram

2D directional diagram E1-E2-H

2450M

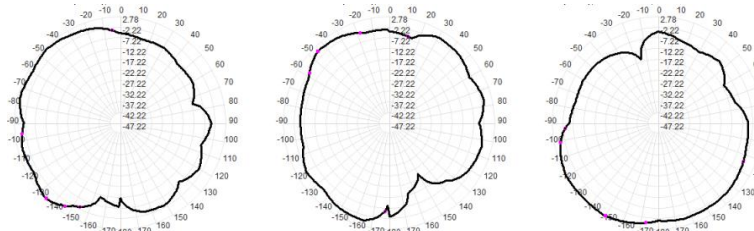


3D

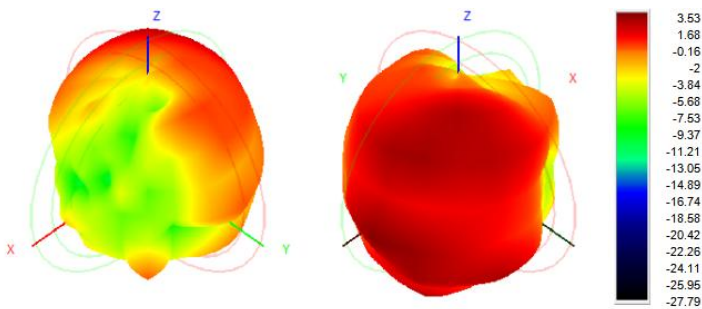


5500M

2D



3D



Customer item: /

Specification and model: 2.4G / 5.8G built-in WIFI1 antenna (FPC 28.5×9.8)- gray 1.13  
low-loss line-terminal, L=230mm.

Boantong material number: /

Dimensional measurement

| Standard value | Test value<br>1 | Test value<br>2 | Test value<br>3 | Test value<br>4 | Test value<br>5 | Test value<br>6 | Test value<br>7 | Test value<br>8 |
|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 28.50+/-0.30mm | 28.50           | 28.50           | 28.50           | 28.50           | 28.51           | 28.50           | 28.50           | 28.51           |
| 9.80+/-0.30mm  | 9.81            | 9.80            | 9.81            | 9.80            | 9.81            | 9.80            | 9.81            | 9.80            |
| 230+/-3mm      | 230             | 230             | 229             | 230             | 230             | 229             | 230             | 230             |
|                |                 |                 |                 |                 |                 |                 |                 |                 |

Appearance evaluation

| Appearance project | Evaluation content                                                                                        | Evaluation results |
|--------------------|-----------------------------------------------------------------------------------------------------------|--------------------|
| FPC                | Neat, smooth, and undamaged appearance; There is no obvious scratch on the surface and copper is exposed. | OK                 |
| cable              | No obvious damage                                                                                         | OK                 |
| weld               | No virtual welding, short circuit, smooth and full solder joints.                                         | OK                 |
| IPX                | No deformation and normal riveting.                                                                       | OK                 |

Trial production data statistics

| Trial production quantity | Appearance qualified quantity | Performance qualified quantity | Performance qualified quantity | Trial production result |
|---------------------------|-------------------------------|--------------------------------|--------------------------------|-------------------------|
| 30                        | 30                            | 30                             | 30                             | OK                      |
| remarks:/                 |                               |                                |                                |                         |

## 5、Reliability test report

| No. | Reliability test name                       | Test conditions                                                                                                                                                                                                                                                                                                            | Judgment criteria                                                                                                                                                                                                                                                                                       |
|-----|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | Constant temperature and humidity test      | High temperature: 70°C,<br>Humidity: 80%RH 24H;<br>low temperature: -40°C 24H;<br>total duration: 48H;                                                                                                                                                                                                                     | Appearance requirements before and after the test: The metal surface coating should be free of peeling, cracks, wrinkles, separation, etc.<br>The non-metallic parts should not change color, crack, deform, degumming or other defects.<br>Electrical performance testing meets standard requirements; |
| 2   | High and low temperature thermal shock test | 70°C for 2H, -40°C for 2H, 6 cycles,<br>24 hours in total;                                                                                                                                                                                                                                                                 | Appearance requirements before and after the test: The metal surface coating should be free of peeling, cracks, wrinkles, separation, etc. The non-metallic parts should not change color, crack, deform, degumming or other defects.<br>Electrical performance testing meets standard requirements.    |
| 3   | Salt spray test                             | 24H; Prepare a concentration (5±1)% NACL solution to ensure that the pH value of the salt solution is neutral (6.5~7.2);<br>The temperature of the pressure barrel is 47±1°C, the spray pressure is maintained at 1.00±0.1kgf/cm <sup>2</sup> , and the spray volume is 1.0~2.0ml/80cm <sup>2</sup> /h;<br>Test time: 24H; | There should be no oxidation or rust on the exposed areas of the product surface;<br>Oxidation/rust area after salt spray test in other areas < 1.0%                                                                                                                                                    |

|   |                                               |                                                                                                                                                 |                                                                                                                                        |
|---|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| 4 | Connector retention test                      | Normal temperature and humidity;<br>Test maintenance requirements: $\geq 1.0$ kgf;                                                              | There are no loose or loose terminals or cables.<br>After the test, the electrical performance test meets the standard requirements.   |
| 5 | Connector insertion and extraction force test | Normal temperature and humidity;<br>The terminal and the seat are connected normally, and the insertion force/pull-out force is $\geq 1.0$ kgf; | The terminal insertion force/extraction force meets the requirements, and the terminals have no defects such as falling off or damage. |

## 6、Packaging & mode of transportation

P/N: AG-041533-2153

Spec.: 2.4G / 5.8G built-in WIFI1 antenna (FPC 28.5×9.8)- gray 1.13 low-loss line-terminal, L=230mm

一、 contents of label (according to the customer's name, refer to the corresponding finished product label production requirements. If there is no requirement, it will follow the ordinary label requirements.)

Label for PE bag/ carton, L:10cm;W:6cm

|              |                                                                       |                      |       |
|--------------|-----------------------------------------------------------------------|----------------------|-------|
| buyer        | *****                                                                 |                      |       |
| vender       | ZHONGSHAN B&T TECHNOLOGY Co., Ltd<br>Sichuan B&T Technology Co., Ltd. |                      |       |
| Purchase No  | *****                                                                 |                      |       |
| Material No. | *****                                                                 |                      |       |
| Part name    | *****                                                                 | QC                   | **    |
| Q'ty/Unit    | *****                                                                 | Manufacture date     | ***** |
| Trace code   | *****                                                                 | Running water number | ***** |

Label for PE bag/ carton, L:10cm;W:6cm

|              |                                                                       |                      |       |
|--------------|-----------------------------------------------------------------------|----------------------|-------|
| buyer        | *****                                                                 |                      |       |
| vender       | ZHONGSHAN B&T TECHNOLOGY Co., Ltd<br>Sichuan B&T Technology Co., Ltd. |                      |       |
| Purchase No  | *****                                                                 |                      |       |
| Material No. | *****                                                                 |                      |       |
| Part name    | *****                                                                 | QC                   | **    |
| Q'ty/Unit    | *****                                                                 | Manufacture date     | ***** |
| Trace code   | *****                                                                 | Running water number | ***** |

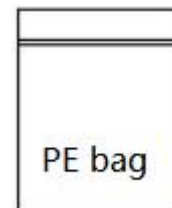
### 二、 Packing requirement

Operating description:

#### 1. inner packing:

50 PCS/ bag,

200 PCS/big bag.

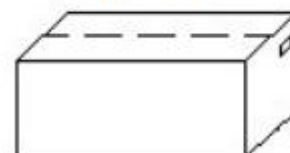


#### 2. outer packing:

Quantity according to actual packing PCS/carton



Carton



Notice:

# 7、禁用物质保证(Certification of Restricted Substance)

我方保证所提供的物料，完全遵守签核的广州源动智慧体育科技有限公司质量和环保协议中的各项条款，物料中禁用物含量，符合最新版《有害物质管理规范》中的各项标准.

We hereby certify that all the Material fully conform to the requirements of the ShiRui ' s Declaration of Conformity that had been signed, and the maximum concentration value of restricted substance in Materials comply with the latest 《Regulations on the management of hazardous substances.》

| Raw Material Test List                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                           |                       |                              |    |    |      |                                           |       |        |       |               |        |          |                    |            |                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------------|-----------------------|------------------------------|----|----|------|-------------------------------------------|-------|--------|-------|---------------|--------|----------|--------------------|------------|---------------------------------------------------------------------------------------|
| (Customer P/N):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |                           |                       | (Part Name)                  |    |    |      | (Vendor) Sichuan B&T Technology Co., Ltd. |       |        |       | (Vendor P/N): |        |          |                    |            |                                                                                       |
| No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Raw Material Name | Raw Material Model        | Raw Material Supplier | Banned Substance Content/ppm |    |    |      |                                           |       |        |       |               |        | Test Lab | Test Report Number | Test Date  | attachment                                                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |                           |                       | Pb                           | Cd | Hg | Cr+6 | PBBs                                      | PBDEs | (DEHP) | (DBP) | (BBP)         | (DIBP) |          |                    |            |                                                                                       |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | wire              | SILVER-COATED COPPER WIRE | YH                    | ND                           | ND | ND | ND   | ND                                        | ND    | ND     | ND    | ND            | ND     | SGS      | CANEC24002005301   | 2024/1/31  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   | Tinned wire               | YH                    | ND                           | ND | ND | ND   | ND                                        | ND    | ND     | ND    | ND            | ND     | CTI      | A2240376995101001  | 2024/7/1   |  |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   | FEP                       | YH                    | ND                           | ND | ND | ND   | ND                                        | ND    | ND     | ND    | ND            | ND     | SGS      | NGBPC24000131241   | 2024/1/16  |  |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Terminal          | Phosphor Bronze           | CM                    | 6                            | ND | ND | ND   | ND                                        | ND    | ND     | ND    | ND            | ND     | SGS      | CANEC24000977301   | 2024/1/22  |  |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   | PBT                       | CM                    | ND                           | ND | ND | ND   | ND                                        | ND    | ND     | ND    | ND            | ND     | CTI      | A2240126395101004E | 2024/3/16  |  |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   | Gold plating              | CM                    | ND                           | ND | ND | ND   | ND                                        | ND    | ND     | ND    | ND            | ND     | CTI      | A2240410234101001e | 2024/7/16  |  |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | FPC               | PI                        | BYK                   | ND                           | ND | ND | ND   | ND                                        | ND    | ND     | ND    | ND            | ND     | SGS      | SHAEC24000428805   | 2024/1/12  |  |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   | Tape                      | BYK                   | ND                           | ND | ND | ND   | ND                                        | ND    | ND     | ND    | ND            | ND     | SGS      | SHAEC23021627701   | 2023/12/27 |  |
| <div>1. If the above homogeneous materials are non-metallic, three more questions need to be answered: ① Whether it contains halogen: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ② Whether it contains red phosphorus: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ③ Whether it contains antimony trioxide: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</div> <div>2. If the above materials or materials are coatings, inks, adhesives or cleaning agents, please fill in the VOC test report number in the corresponding remarks column and attach the report to the raw material test list</div> |                   |                           |                       |                              |    |    |      |                                           |       |        |       |               |        |          |                    |            |                                                                                       |

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