

Acknowledgment Letter SPECIFICATION FOR APPROVAL

| Customer Name | Shiyutong | | | | | | |
|--------------------------|---------------|--------------|----------------|--|--|--|--|
| Customer Project Name | PM | Project Name | PM | | | | |
| Customer P/N | | SDC P/N | WF4584B-B45R-A | | | | |
| Band | WIFI2.4G | | | | | | |
| Version | AO | | | | | | |
| Designer Information | | | | | | | |
| RF Engineer | Fu Xuerong | R&D Diretor | Xia Chenglei | | | | |
| ME Engineer | Huang Zongbao | | | | | | |

| | Appr | ustomer | Approval | | |
|-----------|------------------------------------|-------------|--------------|--|-------------|
| | Prepared By Checked By Approval By | | | | Approval By |
| Signature | Huang Zongbao | Fu Xuerong | Xia Chenglei | | |
| Date | 2023. 5. 26 | 2023. 5. 26 | 2023. 5. 26 | | |

| e Description | Person in Charge | | |
|---------------|------------------|-------------|------|
| | Person in onarge | Approval By | Date |
| | | | |
| | | | |
| | | | |
| | | | |

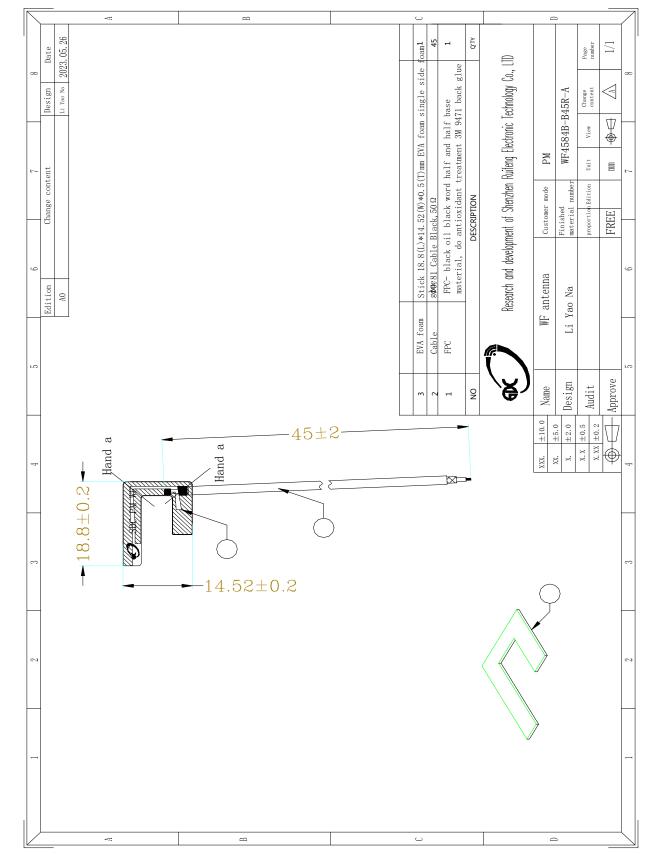


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Drawing or Product Image





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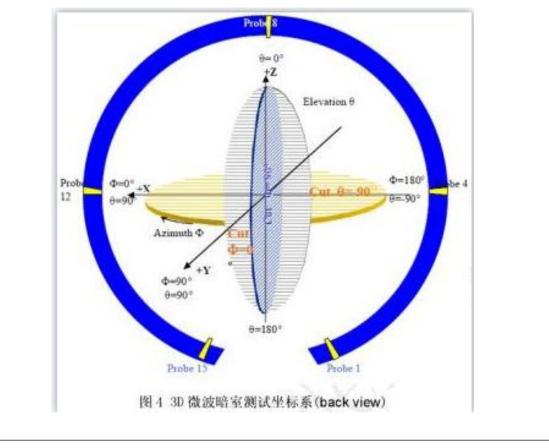
| Sample Dimensions Test Report | | | | | | | | |
|-------------------------------|--------------------|-------------------|---------------|------------|---------|--|--|--|
| Test Date | 2023. 5. 26 | Sample Qty. | 3 | Xu Yanfang | | | | |
| Dimension No. Standard | | Sample 1 Sample 2 | | Sample 3 | Pass/NG | | | |
| ①length | ngth 18.8±0.2mm | | 18.8 18.9 | | Pass | | | |
| ②width | ②width 14.52±0.2mm | | 14. 62 14. 52 | | Pass | | | |
| 3 thickness | $() 1 \pm () 3mm$ | | 0. 1 | 0. 1 | Pass | | | |
| ④Line length 45±2mm | | 45 | 46 | 46 | Pass | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| Ī | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | PASS | | | | | | | |
| Inspector & Date | · | | | | | | | |



RF Performance Test Report

Antenna Test Equipment Introduction

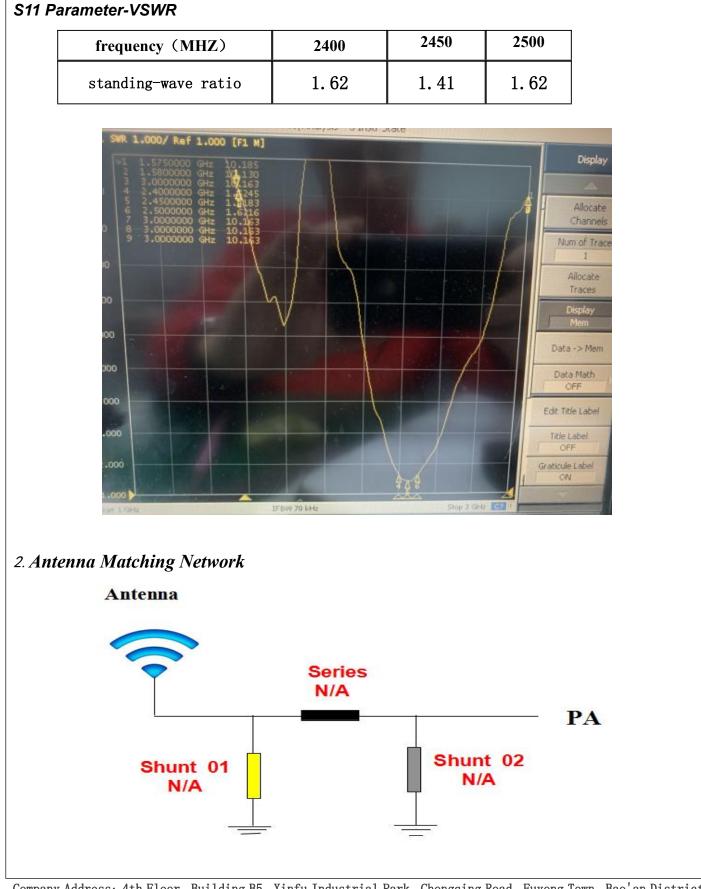
Test of antenna input characteristics using **Agilent E5071C and Agilent 5062A** vector network analyzer; The radiation pattern of the antenna are tested using the guangping 3D near field Anechoic Chamber, and the instrument is used to agilent8960 E5515 and Agilent E4438C. The test coordinates of the darkroom are as follows:



1. S11 Parameter-VSWR

Measuring Method is a 50Ω coaxial cable is connected to the antenna. Then this cable is connected to a network analyzer to measure the S11 parameter, Keeping this fixture away from metal at least 20cm.

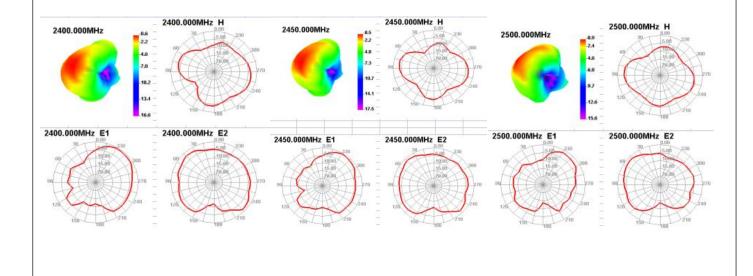






3. Gain & Efficiency

| Frequency (MHz) | Efficiency (%) | Peak GAIN (dBi) | |
|-----------------|----------------|-----------------|--|
| 2400 | 31.74 | -0.59 | |
| 2450 | 29.65 | -0.51 | |
| 2500 | 28.15 | -0.93 | |





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| Reliability Test Report | | | | | | | | |
|----------------------------------|--|--|----------|----------|----------|---------|--|--|
| Test Date | t Date 2023.5.26 Sample Qty. 3 Inspector Xu Y | | | | Xu Ya | anfang | | |
| Test Item | Requirement | testing equipment | Sample 1 | Sample 2 | Sample 3 | PASS/NG | | |
| high temperature storage | Expose to+85 °C for 24 hours, recover for 2 hours, and conduct testing | Constant temperature and humidity box | ОК | ОК | ОК | Pass | | |
| low temperature storage | Expose to -40° C for 24 hours, recover for 2 hours, and perform testing | Constant temperature and humidity box | ОК | ОК | ОК | Pass | | |
| High temperature operation | Powered on for 24 hours at+60 °C | Constant temperature and humidity box | ок | ОК | ок | Pass | | |
| Low temperature operation | Powered on for 24 hours at −20 °C | Constant temperature and humidity box | ок | ОК | ок | Pass | | |
| Salt spray test | Temperature of | | ок | ОК | ОК | Pass | | |
| | | Push-pull force gauge | ≥10N | ≥10N | ≥10N | Pass | | |
| Conclusion | | | | | | | | |
| Inspector & Date | Xu Yanfang 2023.5 | Approval &D ate | | | 1 | | | |



| produc | Unifo rm | Harmful substance content(PPM) | | | | | | Date of HS test |
|--------|--------------------|----------------------------------|----|----|----|----|-----------------------|-----------------|
| t name | | Pb | Cd | Hg | Cr | Br | HS test report number | report |
| | | ND | ND | ND | ND | ND | | |
| | FPC ND ND ND | ND | ND | ND | ND | ND | | |
| | | ND | ND | ND | ND | ND | | |
| WIFI& | | ND | ND | ND | ND | | | |
| BT | | ND | ND | ND | ND | ND | UNIB21042707HR-01 | 2023. 5. 26 |
| | wire | ND | ND | ND | ND | ND | | |
| anten | | rod ND ND ND ND ND | ND | ND | ND | | | |
| na | 100 | | ND | | | | | |
| | termin | ND | ND | ND | ND | ND | | |

Product ROHS Composition Declaration Form

Install Wizard or Other

setup script:

Take 1 PCS of product, tear off the release paper on the back of the FPC by hand, and then align the FPC positioning hole position with the shell positioning hole position (positioning rib position or positioning line), and attach it flat to the shell, as shown in the following figure:

Installation process precautions:

Ensure that the FPC is fully attached to the housing after pasting the antenna;

Align the positioning hole with the position of the casing positioning column;

□Align FPC edge with shell edge;

 \Box When attaching the terminal to the PCBA end of the motherboard, please first align the terminals and then snap them vertically;

When disassembling antenna terminals, it is necessary to use a tool (such as a special

pry bar) to vertically lift the terminals and not directly pull the wires for disassembly



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