

# Source Chuangxing Electronics (Shenzhen) Co., LTD

Yuanchuangxing electronics (S henzhen) CO., LTD.

customer name: Foscombe

Customer model:

Customer No. :

Customer

Specification YCX08W-W859-350G

Description:

Source White short blade 2.4G gray feeder 350mm  
Chuangxing strip terminal

material number:

Description of source  
star:

## specification

| Confirmation of signature and seal         |                    |        |                          |                    |        |
|--------------------------------------------|--------------------|--------|--------------------------|--------------------|--------|
| Source star confirmation                   |                    |        | Customer confirmation    |                    |        |
| Sample making                              | examine and verify | ratify | test and verify          | examine and verify | ratify |
| Zou Yangchen                               |                    |        |                          |                    |        |
| Source creation star signature cover sheet |                    |        | Customer signature sheet |                    |        |

|      |            |      |            |
|------|------------|------|------------|
| date | 2023-08-19 | date | 2023-08-19 |
|------|------------|------|------------|



Source Create Star  
Electronics (Shenzhen)  
Co., LTD. Yuanchuangxing  
electronics (S henzhen)  
CO., LTD.

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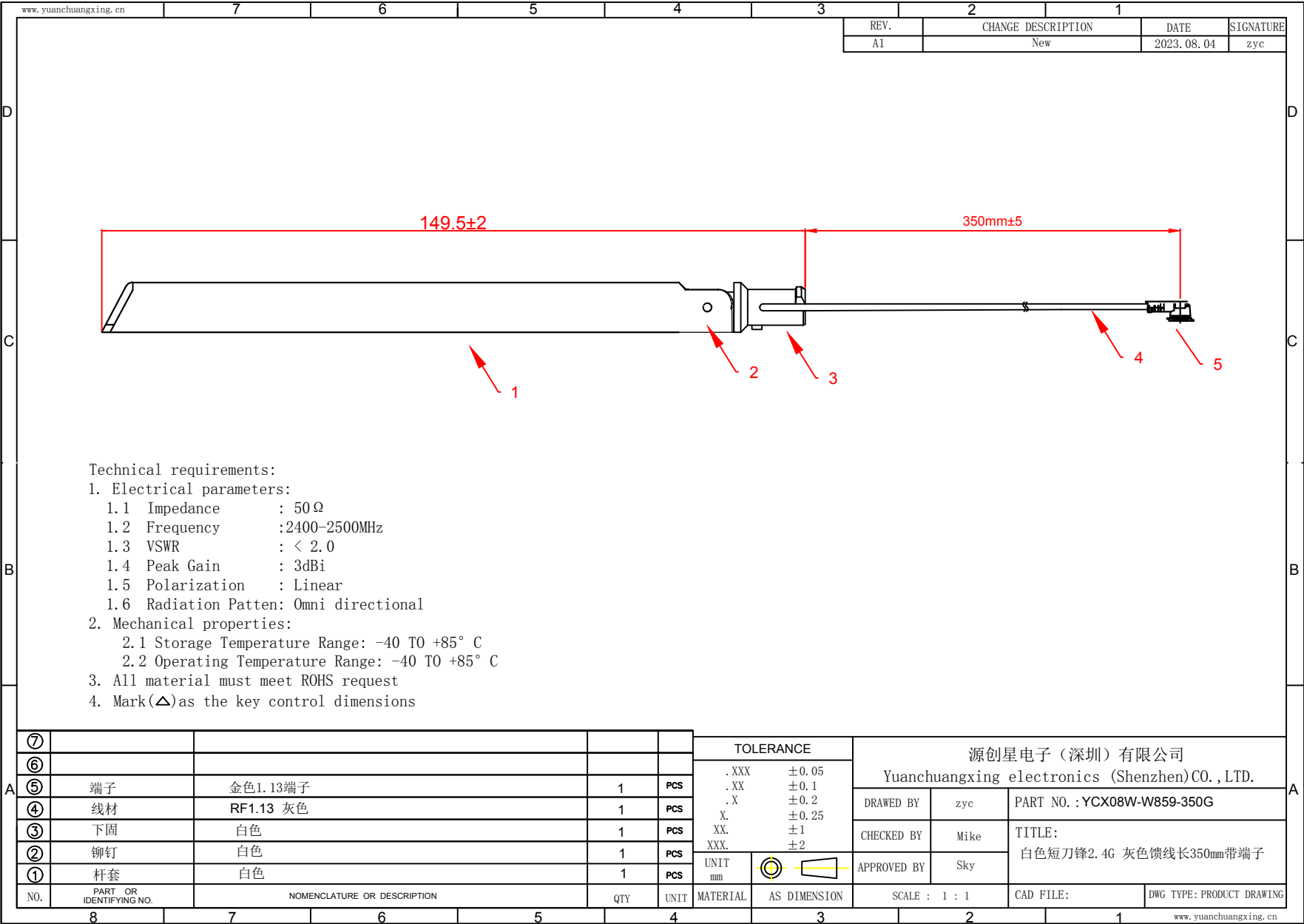
### 3. Directory

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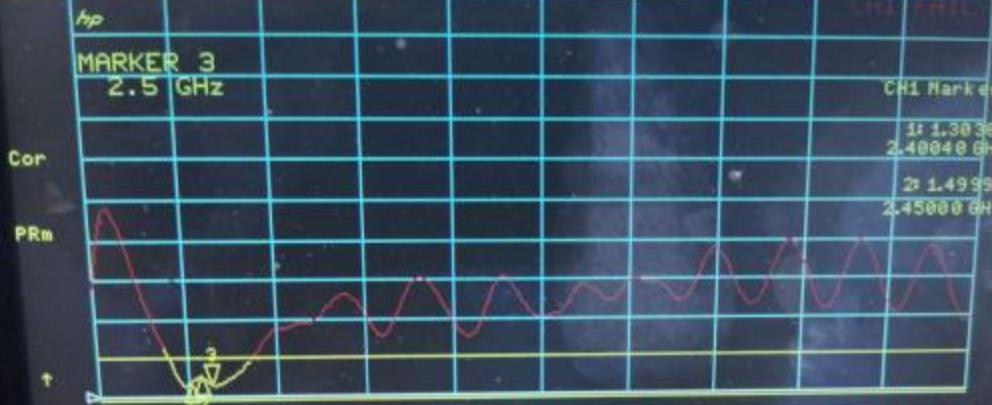
源创星电子（深圳）有限公司

Yuanchuangxing electronics (Shenzhen)CO.,LTD.

4、产品图纸



CH1 S11 SWR 1 / REF 1 3: 1.3054 2 500.000 000 MHz



CH1 Markers  
1: 1.3036  
2.40040 GHz  
2: 1.4999  
2.45000 GHz

CH2 S11 1 U FS 3: 49.984 a 13.135 a 836.19 pH 2 500.000 000 MHz



CH2 Markers  
1: 39.424 a  
1.2910 a  
2.40040 GHz  
2: 36.855 a  
10.896 a  
2.45000 GHz

LOG MAG  
PHASE  
DELAY  
SMITH CHART  
POLAR  
LIN MAG  
SWR  
MORE

# Source Chuangxing Electronics (Shenzhen) Co., LTD

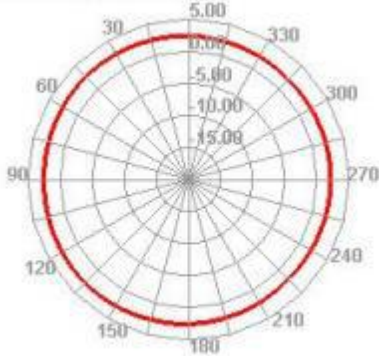
Yuanchuangxing electronics (Shenzhen) CO., LTD.

## 6, 2D, and 3D performance Fig

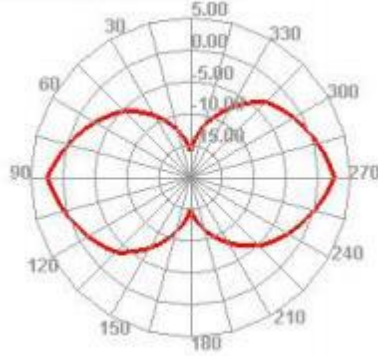
Passive Test For WiFi2.4G

| Freq<br>(MHz) | Effi<br>(%) | Gain<br>(dBi) |  |  |
|---------------|-------------|---------------|--|--|
| 2400          | 70          | 2.91          |  |  |
| 2450          | 71          | 3.00          |  |  |
| 2500          | 70          | 2.89          |  |  |

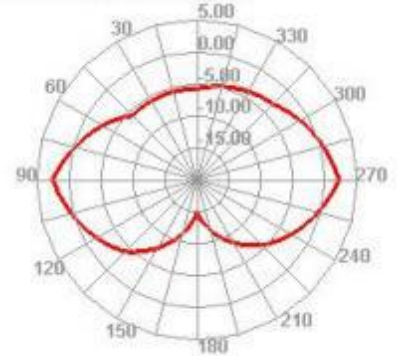
2400.000MHz H



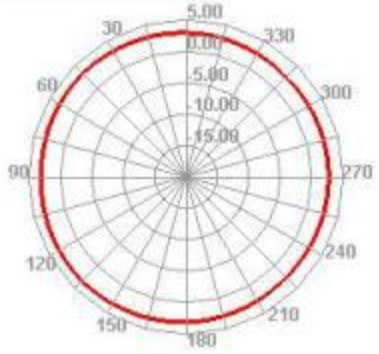
2400.000MHz E1



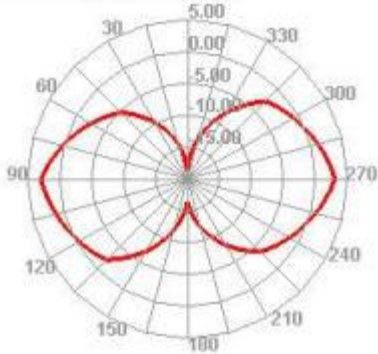
2400.000MHz E2



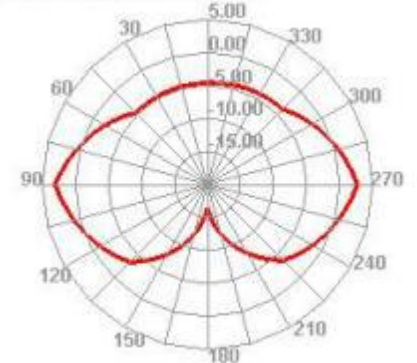
2450.000MHz H



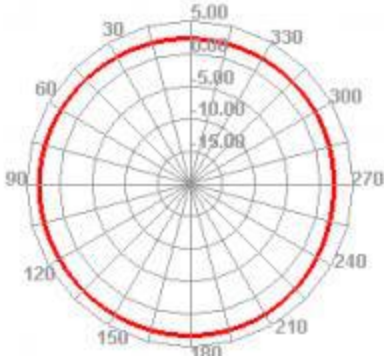
2450.000MHz E1



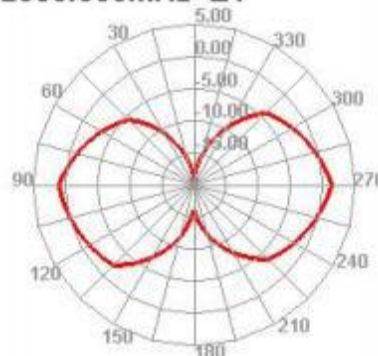
2450.000MHz E2



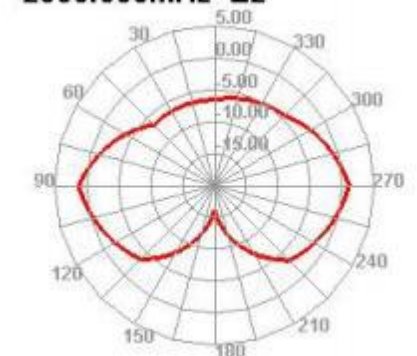
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



# Source Chuangxing Electronics (Shenzhen) Co., LTD

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## 7. Electrical performance parameters

| Electrical parameters  |           |                                  |
|------------------------|-----------|----------------------------------|
| frequency range        |           | 2.4GHz-2.5GHz                    |
| input impedance        |           | 50Ω                              |
| standing-wave ratio    |           | <2.0 Control sample Test pattern |
| gain                   | 2.4G-2.5G | 3±0.7 dBi                        |
| Polarization mode      |           | vertical polarization            |
| radiation direction    |           | omnidirectional                  |
| attended mode          |           | IPEX                             |
| Mechanical parameters  |           |                                  |
| See line long          |           |                                  |
| maintenance energy     |           |                                  |
| coax                   |           | The RF1.13 is shaded in grey     |
| Salt Spray Test        |           |                                  |
| enviromental parameter |           |                                  |
| working temperature    |           | -40~85℃                          |



# Source Chuangxing Electronics (Shenzhen) Co., LTD

Yuanchuangxing electronics ( Shenzhen ) CO ., LTD .

| Specification for sample inspection of structural parts                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                      |                                                                                                                                         |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| The test results of the structural parts samples shall include the following contents: |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                      |                                                                                                                                         |
| class                                                                                  | Specification project                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | class                                                                | Specification project                                                                                                                   |
| ①<br>Appear<br>ance &<br>specific<br>ation<br>inspecti<br>on                           | 1, check the surface whether there is any water lines, air lines, shrinkage, white, scraping, touch injury, material flowers, oil traces, etc                                                                                                                                                                                                                                                                                                                                                          | ③<br>Reliabili<br>ty<br>perfor<br>mance<br>test                      | 1. Storage temperature range                                                                                                            |
|                                                                                        | 2, check whether there is batch peak, glue column, limit, hole, window, slot, uneven glue, broken column, edge collapse, water mouth shear flat, crisp material, etc                                                                                                                                                                                                                                                                                                                                   |                                                                      | 2. Operating temperature range                                                                                                          |
|                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                      | 3. Flame resistance                                                                                                                     |
|                                                                                        | 3, attack the corresponding specifications of screws, can not have white, burst or slippery teeth                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                      | 4. Drop test                                                                                                                            |
|                                                                                        | 4, check the surface treatment (oil injection, screen printing, hot stamping color, screen printing content, treatment effect: ① screen printing gold stamping- - whether there is incomplete, teeth, fat, heavy weight, uneven thickness and leakage; ② oil stamping parts ---Whether the oil color is uniform, Yin and Yang color, grain, scratch, miscellaneous color, burning and impurities, etc., silk printing and hot stamping position whether there is a moving, deviation, wrong phenomenon |                                                                      | 5.3M adhesive paper / white case / rubber / alcohol (75%~80% concentration) test (4 items, for screen printing oil injection materials) |
|                                                                                        | Inspection result:<br>qualified                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                      | Inspection result: qualified                                                                                                            |
|                                                                                        | remarks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                      | remarks                                                                                                                                 |
| ②<br>Dimensi<br>ons &<br>mechan<br>ical<br>properti<br>es                              | 1. Drawing dimensional inspection (according to the tolerance range, focus on the CPK)                                                                                                                                                                                                                                                                                                                                                                                                                 | ④<br>Materi<br>al &<br>packag<br>ing<br>and<br>other<br>⑤⑥<br>others | 1. Confirmation of the material and composition report                                                                                  |
|                                                                                        | 2, leveling test and other accessories cooperate with the tightness confirmation                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                      | 2. Packaging method and other precautions:                                                                                              |
|                                                                                        | 3, lens, light guide column light transmission test confirmation                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                      |                                                                                                                                         |

|                                                                          |                              |  |                              |
|--------------------------------------------------------------------------|------------------------------|--|------------------------------|
|                                                                          | Inspection result: qualified |  | Inspection result: qualified |
|                                                                          | remarks                      |  | remarks                      |
| Sample test results: qualified inspection person in charge: Zheng Yunxia |                              |  |                              |