



Shenzhen Yuhong Industrial Co., Ltd

# Parts Acknowledgment

|                |                                                                |
|----------------|----------------------------------------------------------------|
| Customer name: | Minami Acoustics Limited                                       |
| Product Model: | 6908                                                           |
| Risuntek P/N:  |                                                                |
| Version:       | A0                                                             |
| Prodcut Name:  | FPC antenna                                                    |
| Description:   | 6908-L FPC antenna 7.08*22.35*0.11mm single-side adhesive V1.2 |
| date:          | 2023/5/6                                                       |

(Customer Signatures)

|      |      |      |
|------|------|------|
| (PM) | (ME) | (QE) |
|      |      |      |

(Inner Signatures)

|      |      |      |
|------|------|------|
| (QE) | (ME) | (RF) |
|      |      |      |

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# catalogue

one、 Resume

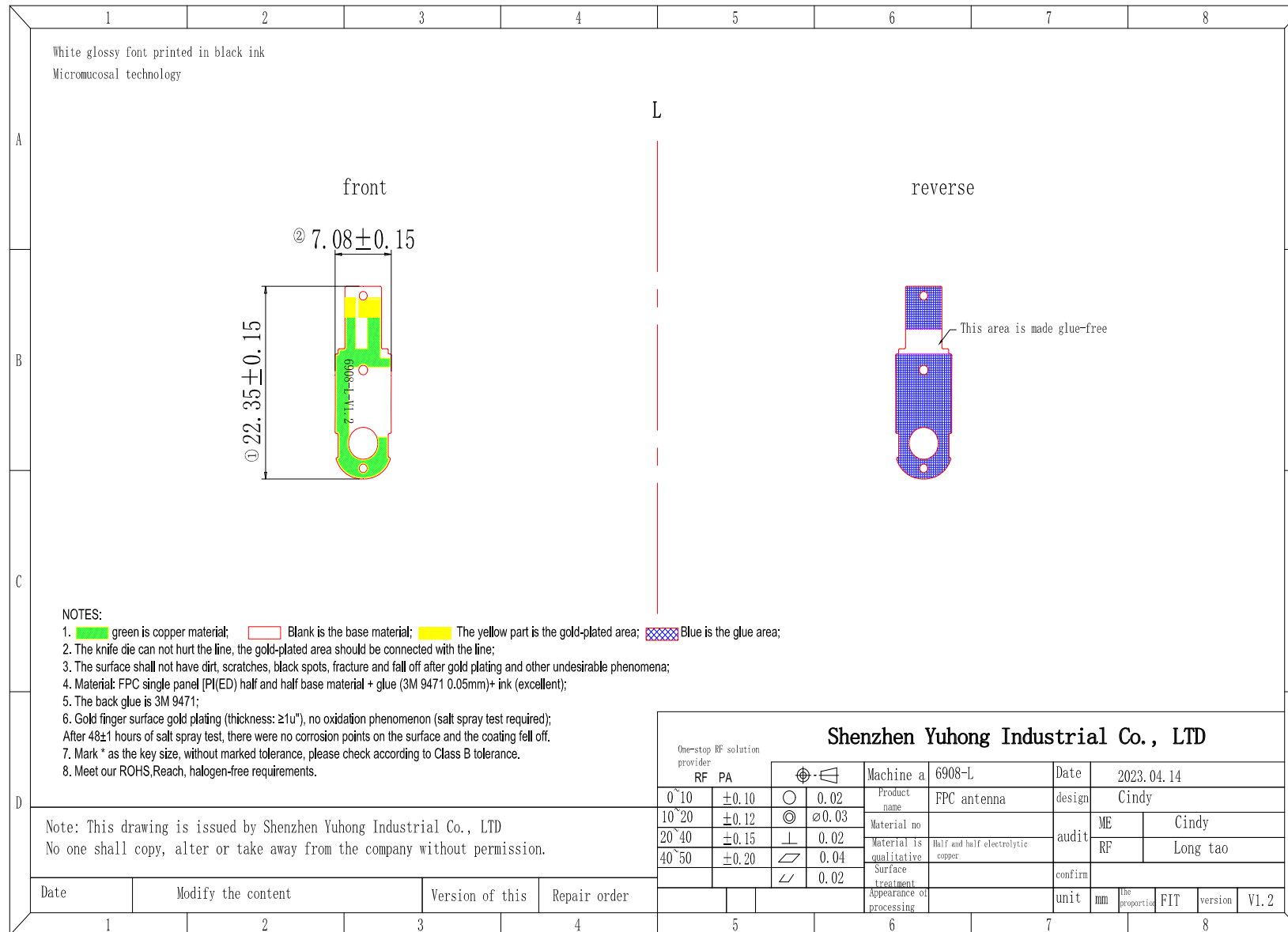
two、 Product drawings

three Description of electrical and  
mechanical properties

one、Preparation / revision change resume

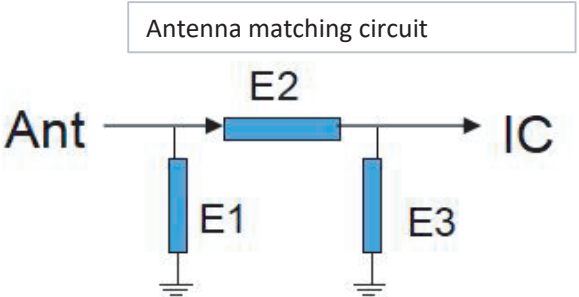
| editi<br>on | Revision<br>page | Change time | Changed<br>by | Reason and content of change      | remarks |
|-------------|------------------|-------------|---------------|-----------------------------------|---------|
| A0          | —                | 2023/5/6    | Cindy         | Antenna form of the first version |         |
| A1          |                  |             |               |                                   |         |
| A2          |                  |             |               |                                   |         |
| A3          |                  |             |               |                                   |         |
| A4          |                  |             |               |                                   |         |
| A5          |                  |             |               |                                   |         |
| A6          |                  |             |               |                                   |         |

## two、Product drawings



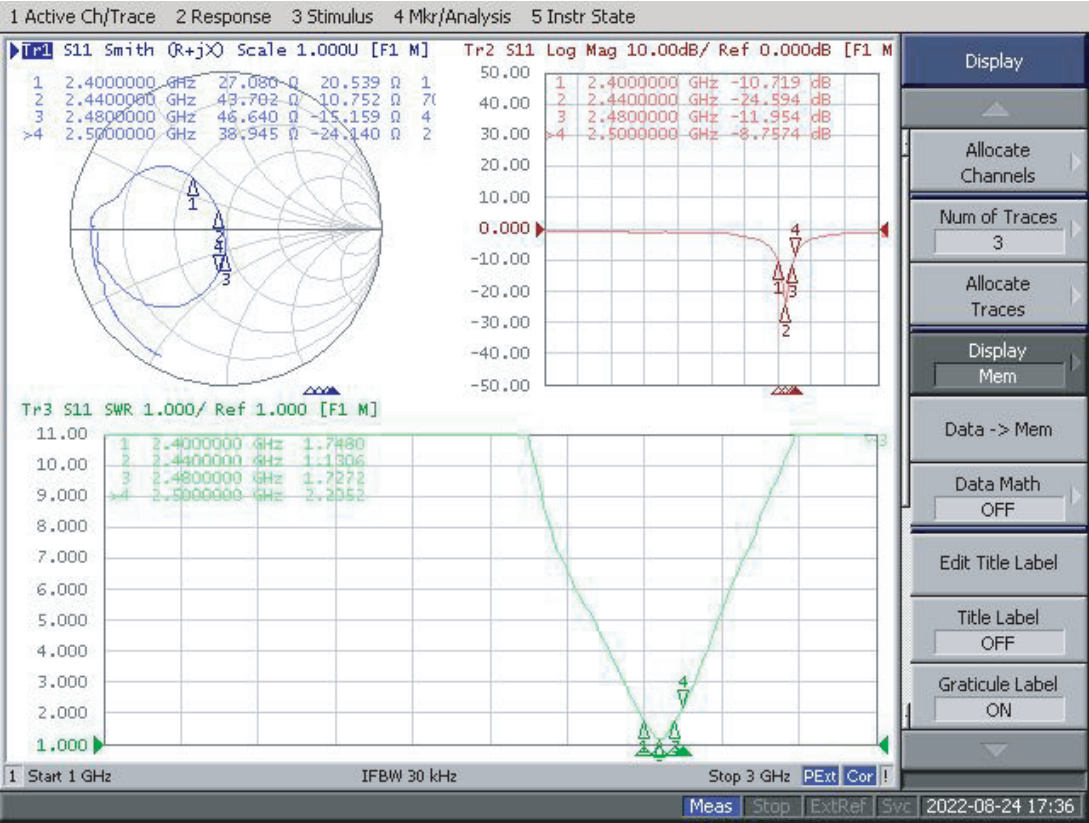
# three、 Description of electrical and mechanical properties

## 1、 Match the circuit diagram



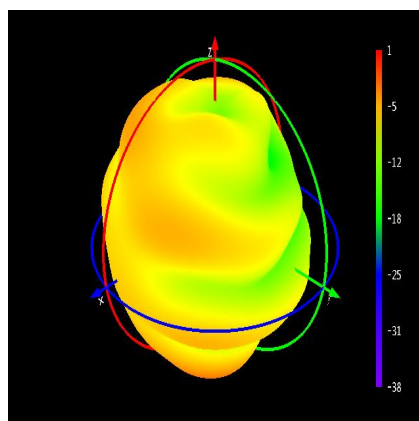
| Element | Value |
|---------|-------|
| E1      | N/C   |
| E2      | 0Ω    |
| E3      | 1.5PF |

## 2、 S11 parameter

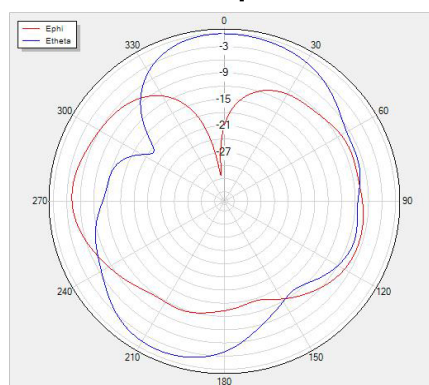


### 3、Passive efficiency

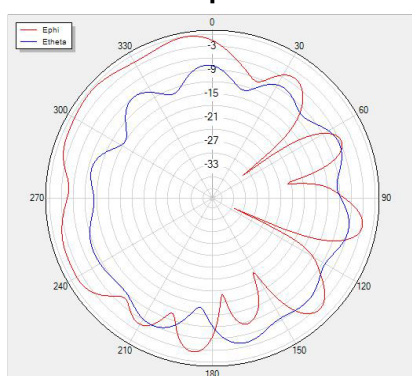
| Freq[MHz] | Efficiency(%) | Gain(dBi)  |
|-----------|---------------|------------|
|           | free space    | free space |
| 2400      | 21.26         | -1.68      |
| 2410      | 22.18         | -1.71      |
| 2420      | 22.88         | -1.73      |
| 2430      | 23.27         | -1.52      |
| 2440      | 23.28         | -1.57      |
| 2450      | 22.9          | -1.53      |
| 2460      | 22.21         | -1.54      |
| 2470      | 21.24         | -1.68      |
| 2480      | 19.98         | -1.61      |



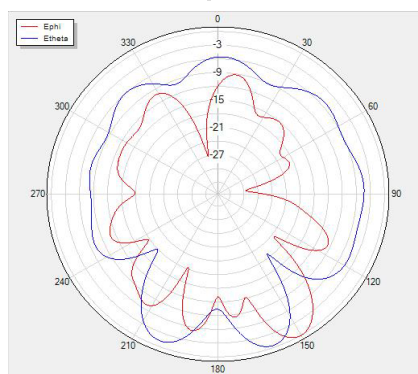
Theta=90 freq=2440MHz



Phi=90 freq=2440MHz



Phi=0 freq=2440MHz



#### 4、 Active OTA data

| L        | channel | TRP (dbm) | TRP (dBm) |
|----------|---------|-----------|-----------|
| freedom  | 0       | 1.14      | -83.50    |
|          | 39      | 1.16      | -85.78    |
|          | 78      | 1.28      | -84.64    |
| L        | channel | TRP (dbm) | TRP (dBm) |
| Head die | 0       | -0.91     | -83.25    |
|          | 39      | -0.57     | -84.4     |
|          | 78      | -0.31     | -83.44    |

#### 5、 Field measurement

|                 |                |
|-----------------|----------------|
| Test cell phone | Samsung S6     |
| distance        | 15M            |
| Test site       | Huawei walkway |
| tester          | Long Tao       |