

# 深圳市安威无线科技有限公司

ANWEI commnuication Equipment Co.,Ltd

## 规格书

APPROVAL SHEET

|                     |               |                       |                                                  |
|---------------------|---------------|-----------------------|--------------------------------------------------|
| 客户<br>Customer      | LOGIC         | 规格型号<br>Specs         | Z3L                                              |
| 安威料号<br>Part Number |               | 频 段<br>Frequency Band | GSM:2/3/5/8/W/2/5/8<br>/FDD:2/3/4/5/7/12/17/28AB |
| 颜 色<br>Color        | 黑油(Black Oil) | 版 本<br>Edition        | REV:A                                            |
| 销 售<br>Salesperson  | Mr.Xie        | 设 计<br>Design         | XU LONG                                          |
| 结 构<br>Structure    | QIN YUN LIN   | 确 认<br>Confirm        |                                                  |
| 日 期<br>Date         | 2024/08/21    | 签字日期<br>Signing Date  |                                                  |

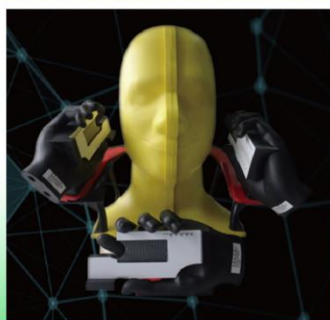
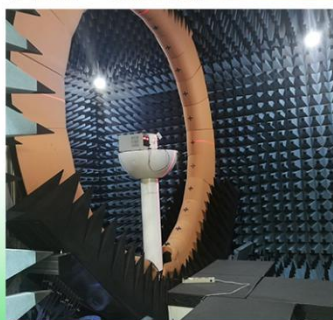
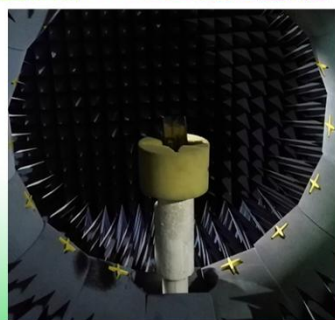
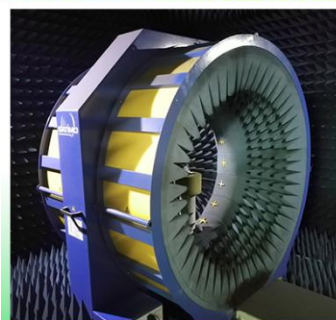
客户确认 Customer confirmation:

携手共进 共创未来

Join hands to create the future

## 项目开发环境

## Project development environment



安威无线一直都是您值得信赖且优秀的合作伙伴，我们为您提供全方位一站式的产品以及技术服务！

“质量第一，服务至上”是安威一直以来的发展宗旨

## 主集天线 (Master antenna )

工作频段(Working frequency band): 700MHZ~2700MHZ GSM2/3/5/8/ WCDMB2/5/8  
FDD2/3/4/5/7/12/13/17/28AB

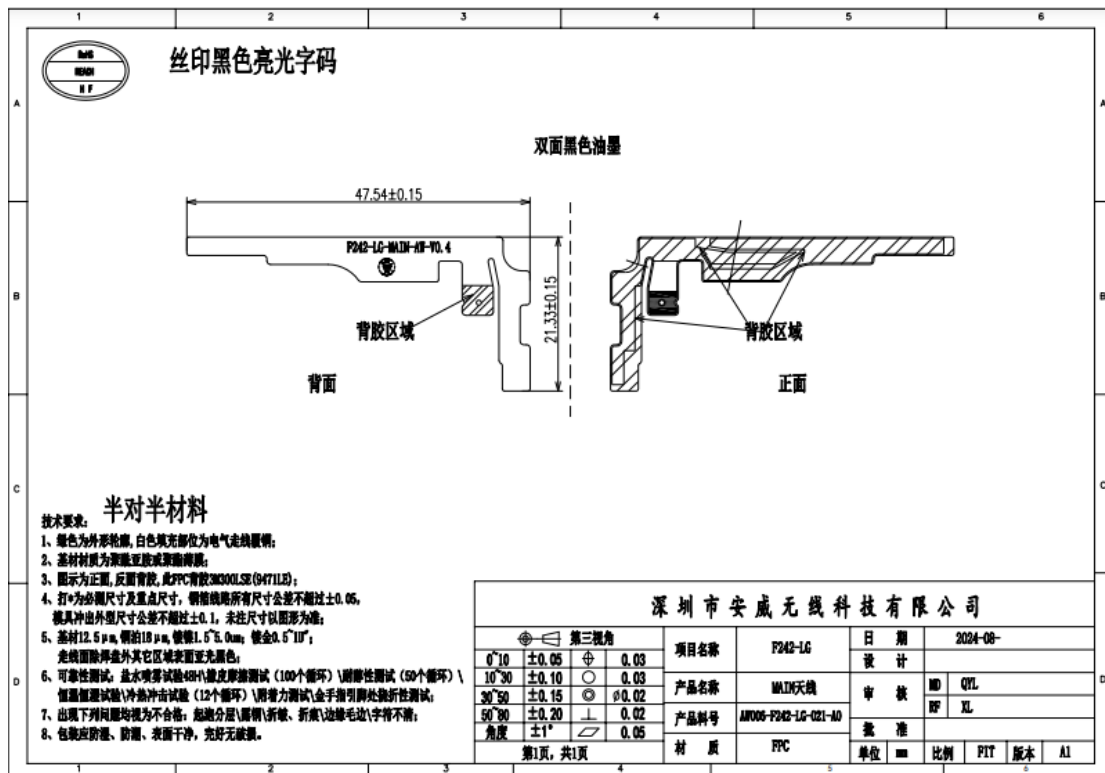
## 天线匹配(Matcheing network):

|       |       |
|-------|-------|
| L0722 | NC    |
| C0726 | 0 Ω   |
| L0719 | 0.5PF |
| R0701 | 5.6NH |
| C0716 | 22NH  |

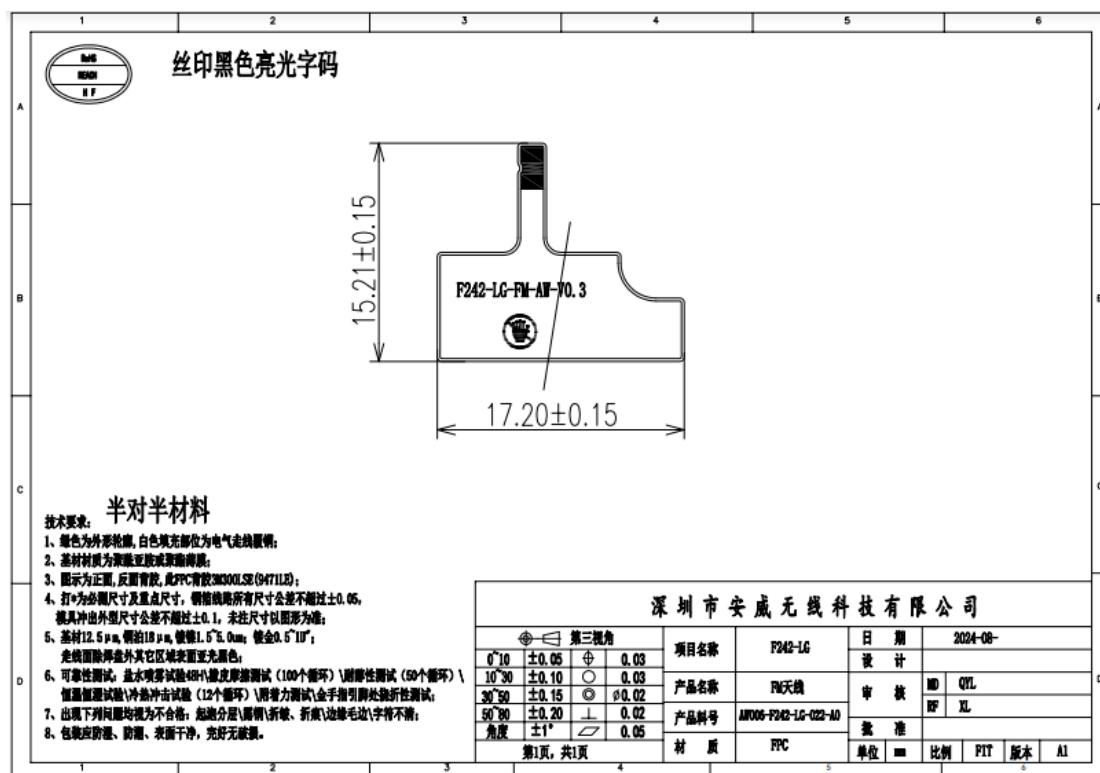
## 开关端匹配(swith side matching)

|       |       |
|-------|-------|
| L0709 | 0 Ω   |
| R0708 | NC    |
| R0712 | NC    |
| L0713 | NC    |
| C0717 | 0 Ω   |
| R0715 | 3.9NH |
| L0707 | 33NH  |
| L0711 | 0 Ω   |

其它保持原有不变(others remain unchanged)



## FM 天线( FM antenna)



### 主天线暗室数据(Main antenna darkroom data)

|          | Channel | TRP (dBm) | TIS (dBm) |  |          | Channel | TRP (dBm) | TIS (dBm) |
|----------|---------|-----------|-----------|--|----------|---------|-----------|-----------|
| FDD B2   | 18650   | 18.15     | -92.57    |  | WCDMA B2 | 9262    | 17.68     | -102.2    |
|          | 18900   | 18.12     | -92.49    |  |          | 9400    | 17.54     | -102.5    |
|          | 19150   | 17.71     | -92.13    |  |          | 9538    | 17.52     | -102.6    |
| FDD B3   | 19250   | 17.24     | -92.44    |  | WCDMA B5 | 4132    | 17.78     | -102.9    |
|          | 19575   | 17.45     | -92.38    |  |          | 4183    | 17.65     | -102.3    |
|          | 19900   | 17.65     | -92.35    |  |          | 4233    | 17.71     | -102.8    |
| FDD B4   | 20000   | 17.21     | -92.67    |  | WCDMA B8 | 2712    | 17.68     | -102.4    |
|          | 20175   | 17.43     | -92.63    |  |          | 2787    | 17.59     | -102.8    |
|          | 20350   | 17.68     | -92.51    |  |          | 2863    | 17.51     | -102.7    |
| FDD B7   | 20800   | 17.69     | -92.71    |  | GSM 850  | 128     | 27.42     | -103.7    |
|          | 21100   | 17.51     | -92.69    |  |          | 190     | 27.38     | -103.8    |
|          | 21400   | 17.36     | -92.58    |  |          | 251     | 27.41     | -103.5    |
| FDD B12  | 23060   | 16.48     | -90.65    |  | GSM 900  | 1       | 27.43     | -102.5    |
|          | 23095   | 16.53     | -90.52    |  |          | 62      | 27.51     | -102.9    |
|          | 23130   | 17.13     | -90.46    |  |          | 124     | 27.38     | -102.6    |
| FDD B17  | 23790   | 16.62     | -90.68    |  | DCS1800  | 512     | 24.34     | -103.1    |
|          | 23790   | 16.75     | -90.56    |  |          | 698     | 25.12     | -103.4    |
|          | 23790   | 17.24     | -90.51    |  |          | 885     | 25.23     | -103.2    |
| FDD B28A | 27260   | 17.12     | -90.33    |  | PCS 1900 | 512     | 25.34     | -102.1    |
|          | 27370   | 17.14     | -90.29    |  |          | 661     | 25.46     | -101.3    |
|          | 27469   | 17.34     | -90.25    |  |          | 810     | 24.37     | -101.5    |
| FDD B28B | 27410   | 17.23     | -90.27    |  | FDD B5   | 20450   | 17.68     | -92.66    |
|          | 27510   | 17.36     | -90.22    |  |          | 20525   | 17.74     | -92.38    |
|          | 27600   | 17.41     | -90.16    |  |          | 20600   | 17.86     | -92.54    |

## 天线增益(Antenna gain)

|         |       |
|---------|-------|
| GSM850  | -0.58 |
| EGSM900 | -0.56 |
| DCS1800 | -0.36 |
| PCS1900 | -0.38 |
| W900    | -0.56 |
| W850    | -0.58 |
| W1900   | -0.38 |
| B2      | -0.38 |
| B3      | -0.41 |
| B4      | -0.36 |
| B5      | -0.58 |
| B7      | -0.29 |
| B12     | -0.65 |
| B17     | -0.67 |
| B28     | -0.64 |
| FM      | -4.23 |
| BT      | -0.13 |

以上单位为：dB

## 主天线苹果图 (Main antenna apple diagramApple chart)

