

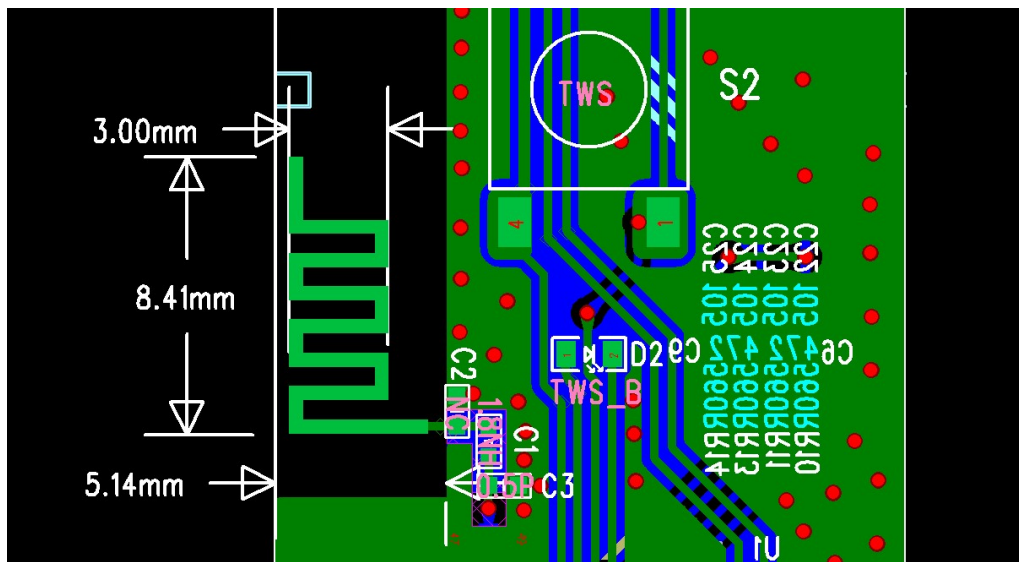
## 1.Electrical Characteristics

| Item                  | Specification                                     |
|-----------------------|---------------------------------------------------|
| Model                 | Blafili XLR                                       |
| Manufacturer          | Shenzhen Tai Yilinan Science & Technology Co.,Ltd |
| Type                  | PCB Meander Line Antenna                          |
| Central frequency     | 2.441 GHz                                         |
| Bandwidth             | 78 MHz (Typical value)                            |
| Gain                  | 1dBi                                              |
| Polarization          | Linear                                            |
| VSWR                  | 2 max.                                            |
| Azimuth Bandwith      | Omni-directional                                  |
| Impedance             | 50Ω                                               |
| Rated Power (max.)    | 4dBm                                              |
| Maximum Input Power   | 10dBm                                             |
| Operation Temperature | -40 C ~ +85 C                                     |

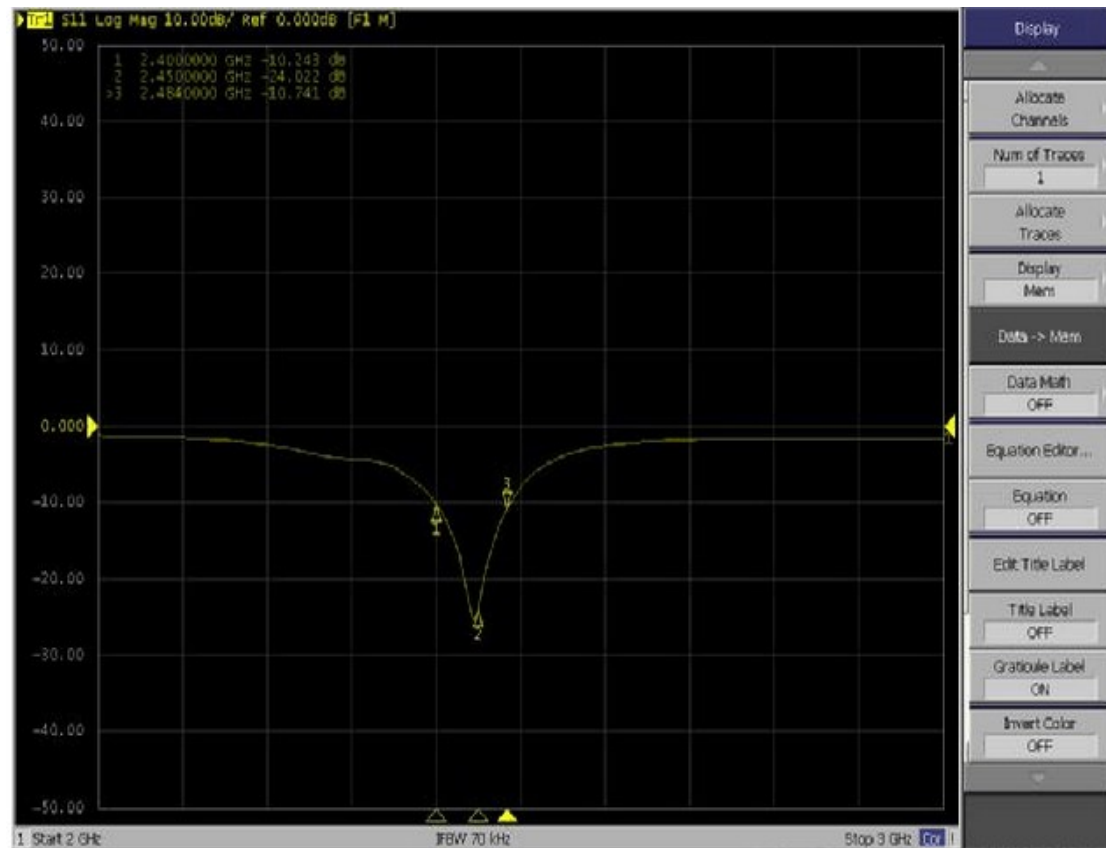
Manufacturer: Xiamen Lanse Tianchen Technology Co., Ltd.

Address: Room 201, No. 149 Qianpu, Qianpu Community, Siming District, Xiamen,Fujian, China

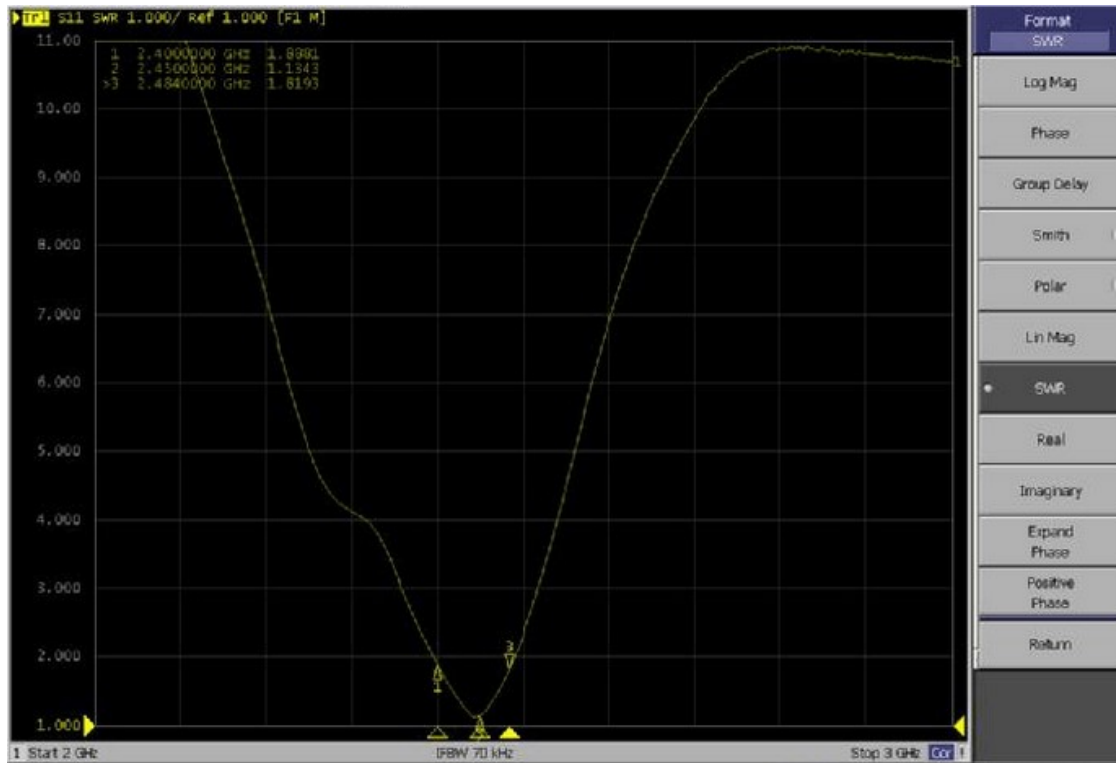
## 2.The suggestion of matching circuit



## 3. The Measurement of S-Parameter and VSWR



| Frequency(GHz) | S11(dB) |
|----------------|---------|
| 2.402          | -10.24  |
| 2.441          | -24.02  |
| 2.480          | -10.74  |



| Frequency(GHz) | VSWR |
|----------------|------|
| 2.402          | 1.88 |
| 2.441          | 1.13 |
| 2.480          | 1.81 |

The reference:

|                    |         |         |       |       |       |
|--------------------|---------|---------|-------|-------|-------|
| Return Loss        | -6.02dB | -7.36dB | -10dB | -13dB | -20dB |
| VSWR               | 3       | 2.5     | 1.92  | 1.576 | 1.22  |
| Return Power Ratio | 25%     | 18.37%  | 10%   | 5%    | 0.98% |

