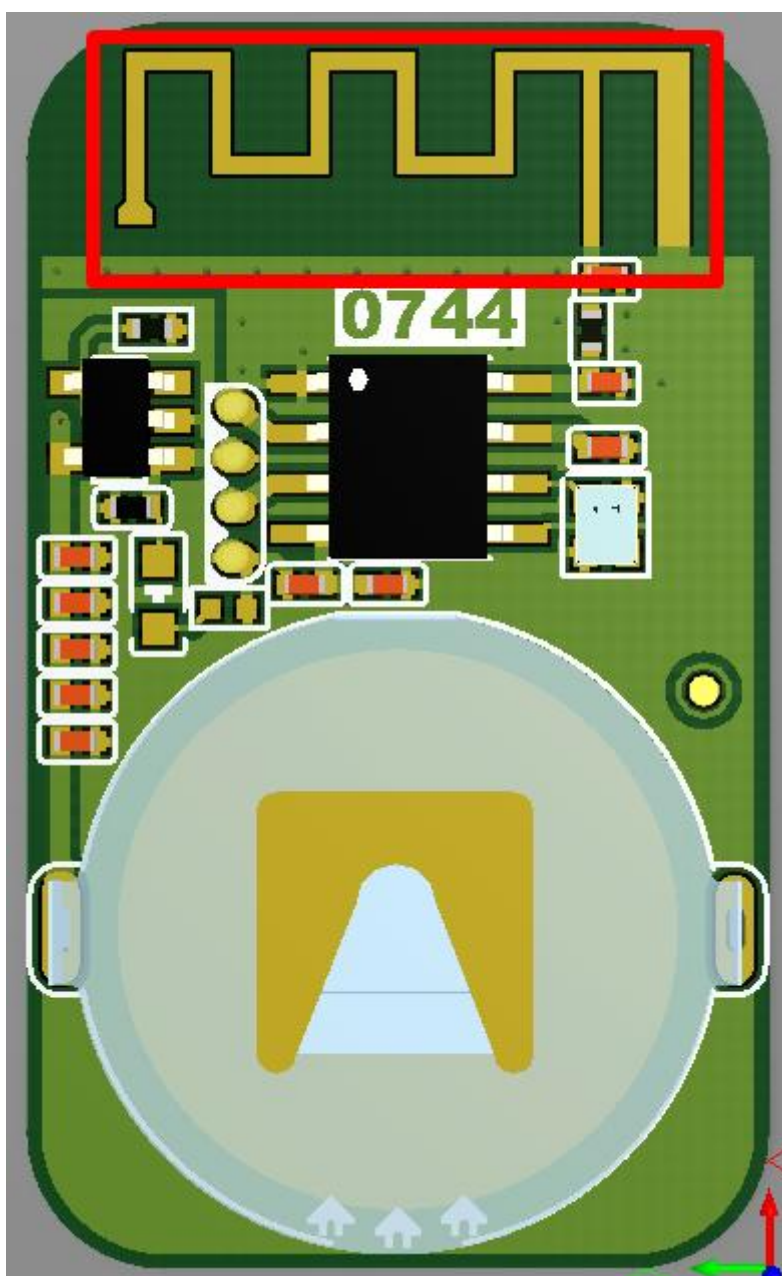
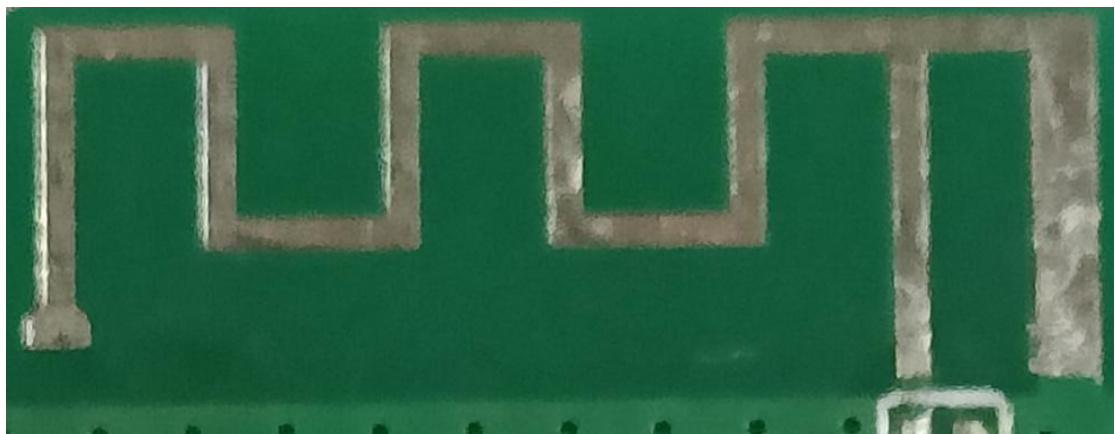
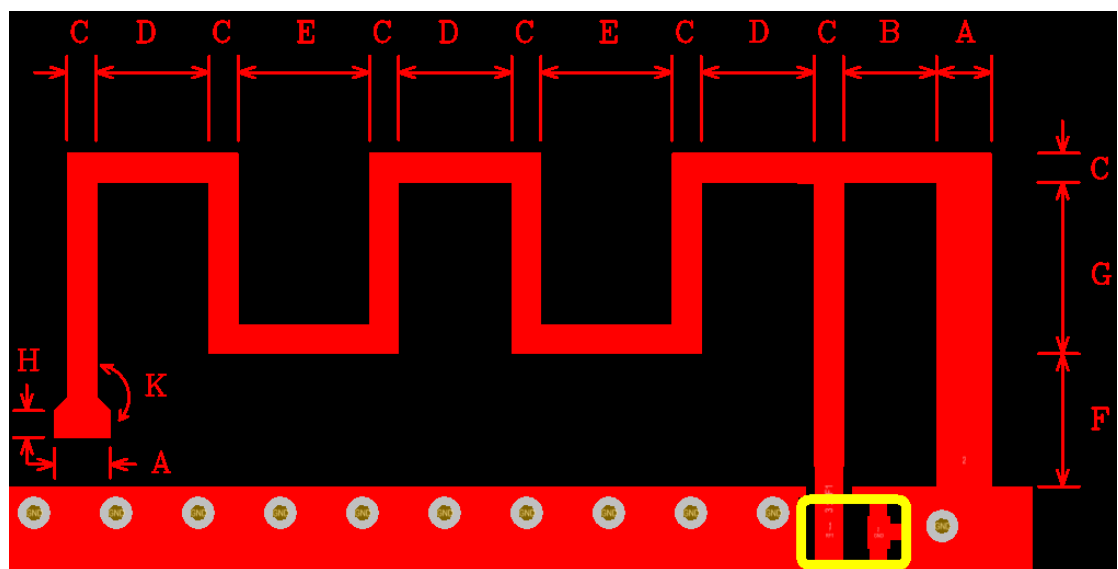




# Inverted-F and Meander Line Antennas



## 1、Real Designs



|      |      |      |      |      |      |      |      |      |     |
|------|------|------|------|------|------|------|------|------|-----|
| Para | A    | B    | C    | D    | E    | F    | G    | H    | K   |
| Unit | mm   |      |      |      |      |      |      |      | ang |
| Data | 0.85 | 1.44 | 0.45 | 1.75 | 2.03 | 2.05 | 2.65 | 0.41 | 135 |

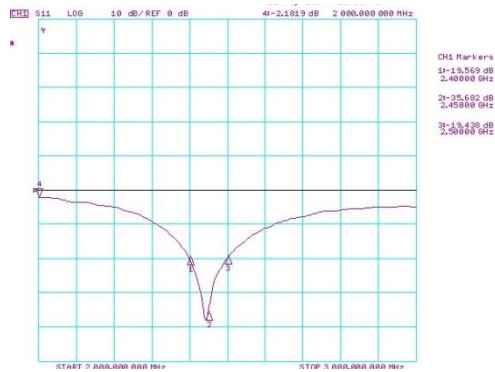
|           |                            |                         |
|-----------|----------------------------|-------------------------|
| Tolerance | $\pm 0.02 \text{ mm}@0.##$ | $\pm 1.0 \text{ ang}@0$ |
|-----------|----------------------------|-------------------------|

### 1.1 features

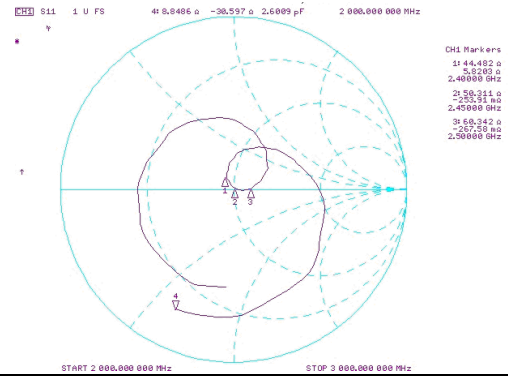
| Center frequency | Peak Gain | VSWR  | Input Impedance | Power handling | Bandwidth | Azimuth beamwidth | Polarization |
|------------------|-----------|-------|-----------------|----------------|-----------|-------------------|--------------|
| GHz              | dB        | (max) | $\Omega$        | W (max)        | MHz       | --                | --           |
| 2.45             | 0         | 2.0   | 50              | 3              | 200       | Omni directional  | Linear       |

## 1.2 Datas

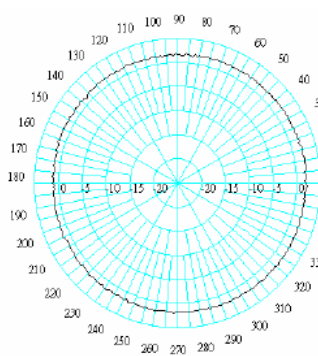
### 2、S11 Return Loss Testing Data



### 3、Smith Chart and Impedance Testing Data



### 4、Antenna Radiation Pattern Horizontal Plane



### 5、Vertical Plane

