

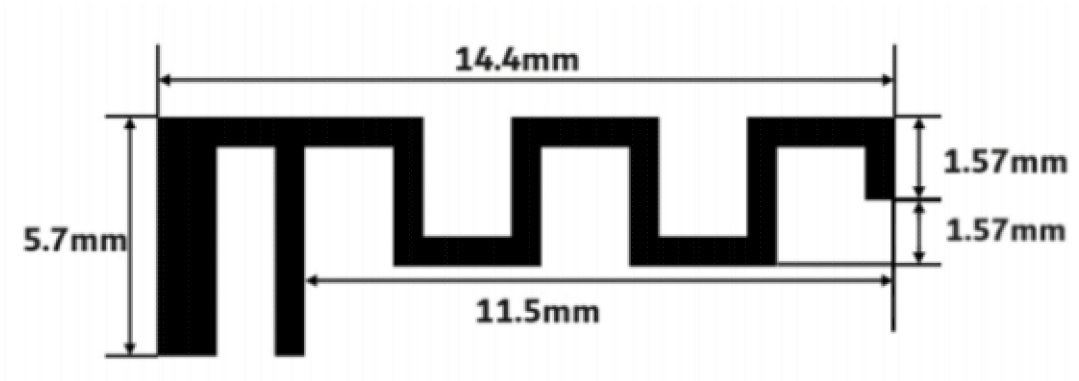
## Inverted F Antenna Specification

### Summary

| ITEM                 | ANT SPEC                                                               |         |         |          |         |         |
|----------------------|------------------------------------------------------------------------|---------|---------|----------|---------|---------|
| Model Name           | 2.4G Inverted F ANT                                                    |         |         |          |         |         |
| Center Frequency     | Horizontal                                                             |         |         | Vertical |         |         |
|                      | 2402MHz                                                                | 2450MHz | 2480MHz | 2402MHz  | 2450MHz | 2480MHz |
|                      | -1.26                                                                  | -0.76   | -0.58   | -5.25    | -2.46   | -1.86   |
| MAX. Gain            | -0.58dBi                                                               |         |         |          |         |         |
| Polarization         | Horizontal and Vertical                                                |         |         |          |         |         |
| Azimuth Beam Pattern | Omni-directional                                                       |         |         |          |         |         |
| Impedance            | 50 Ohm                                                                 |         |         |          |         |         |
| Antenna Length       | 38.20mm                                                                |         |         |          |         |         |
| Manufacture          | Zhongshan Xinyin Electronic Technology Co., Ltd.                       |         |         |          |         |         |
| Address              | 5th Floor, No. 30, Qimin South Road, Torch Development Zone, Zhongshan |         |         |          |         |         |

### PCB Antenna

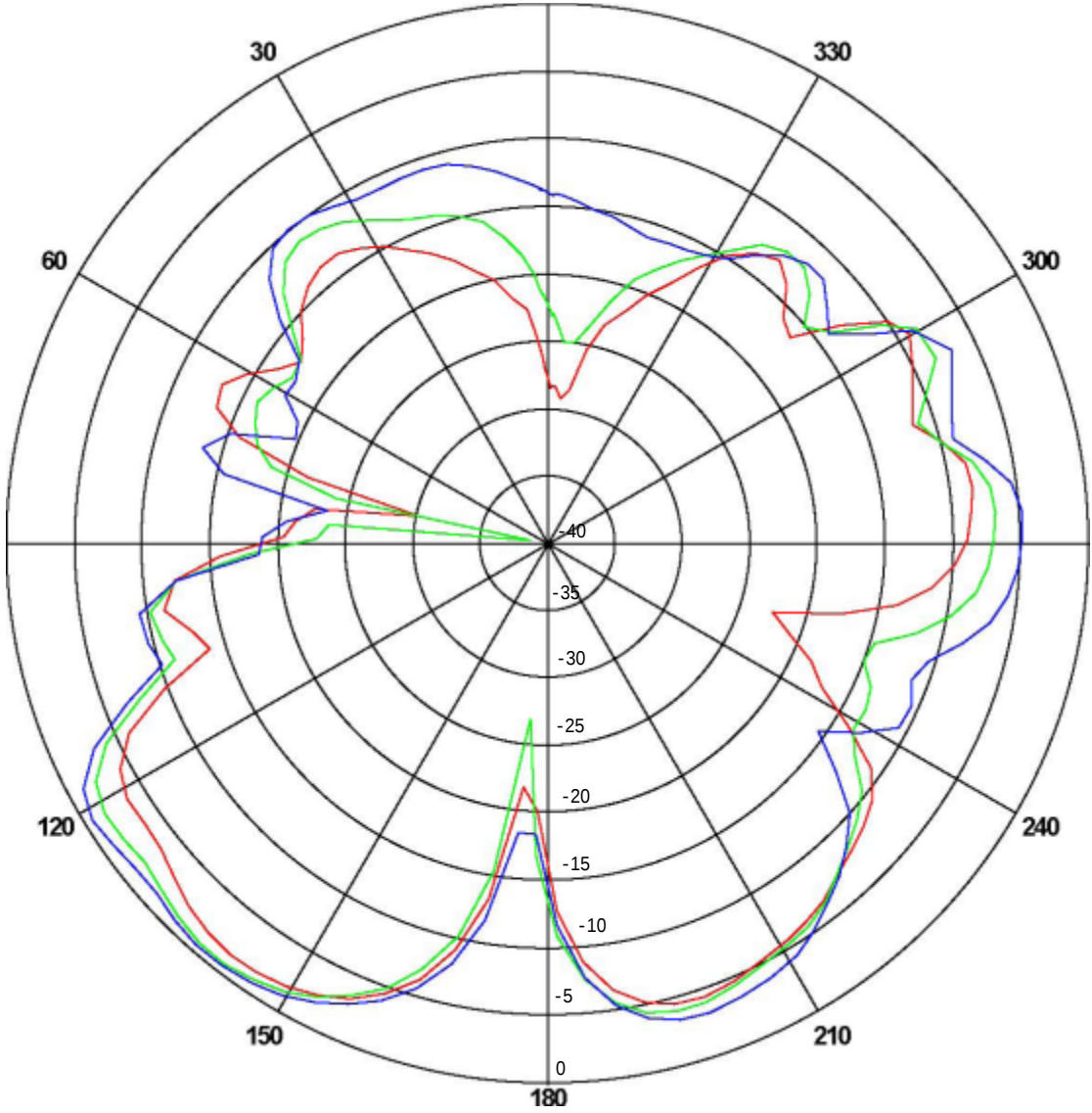
### Antenna Photo & Length (mm)



Horizontal: 2402 MHz 2450 MHz 2480 MHz

Power (dBm)

Max: 0 Min: -40 Scale: 5/div

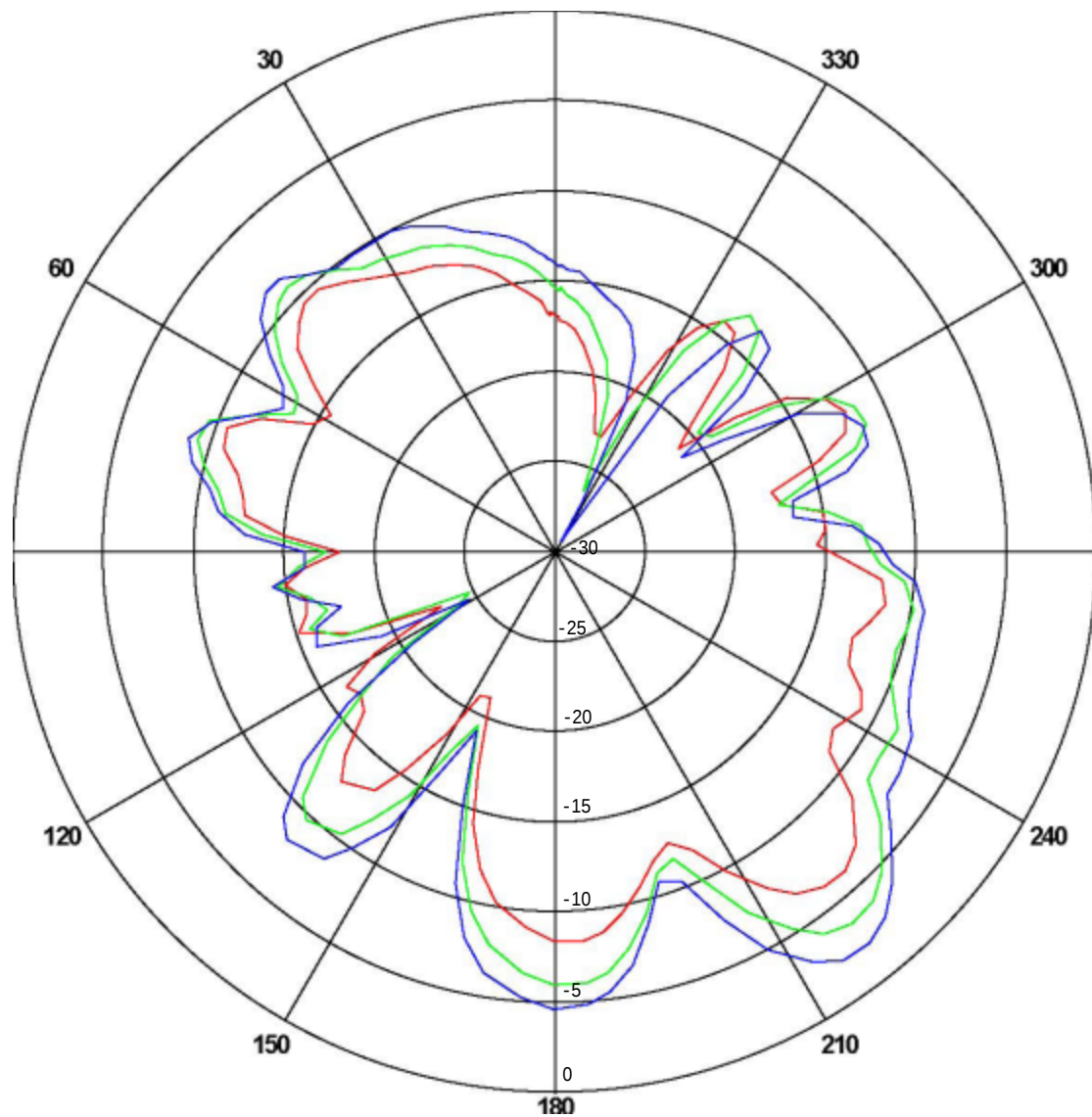


| Frequency<br>(MHz) | Gain(dBi) |          |          |
|--------------------|-----------|----------|----------|
|                    | Max       | Min      | Avg      |
| 2402               | -1.26174  | -30.0801 | -7.18716 |
| 2450               | -0.765802 | -36.5604 | -7.48023 |
| 2480               | -0.585582 | -22.0315 | -6.59127 |

Vertical: 2402 MHz 2450 MHz 2480 MHz

Power (dBm)

Max: 0 Min: -30 Scale: 5/div



| Frequency<br>(MHz) | Gain(dBi) |          |          |
|--------------------|-----------|----------|----------|
|                    | Max       | Min      | Avg      |
| 2402               | -5.2537   | -22.1424 | -12.4294 |
| 2450               | -2.4652   | -24.5837 | -10.4702 |
| 2480               | -1.86120  | -29.5214 | -9.20432 |