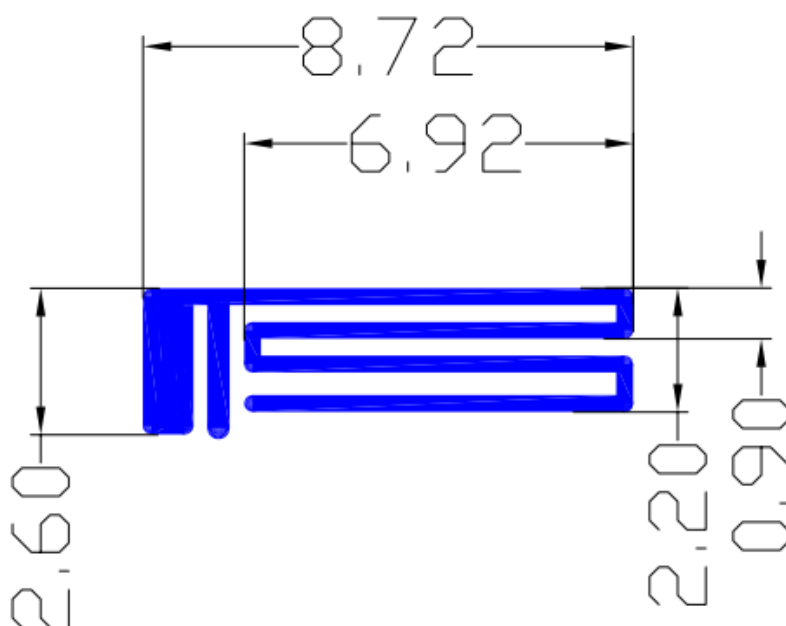


## Inverted F Antenna Specification

### Summary

| ITEM                 | ANT SPEC                                                                      |         |         |          |         |         |
|----------------------|-------------------------------------------------------------------------------|---------|---------|----------|---------|---------|
| Model Name           | 2.4G ANT                                                                      |         |         |          |         |         |
| Center Frequency     | Horizontal                                                                    |         |         | Vertical |         |         |
|                      | 2400MHz                                                                       | 2450MHz | 2500MHz | 2400MHz  | 2450MHz | 2500MHz |
|                      | -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       | 37.38mm                                                                       |         |         |          |         |         |
| Antenna type         | PCB Antenna                                                                   |         |         |          |         |         |
| Manufacture          | Yichip Microelectronics (Hangzhou) Co.,Ltd.                                   |         |         |          |         |         |
| Test Company         | TA Technology (Shanghai) Co., Ltd.                                            |         |         |          |         |         |
| Test Address         | Building 1, No. 400, Fangchun Road, China (Shanghai)<br>Pilot Free Trade Zone |         |         |          |         |         |
| Test Instrument      | Keysight E5071B                                                               |         |         |          |         |         |

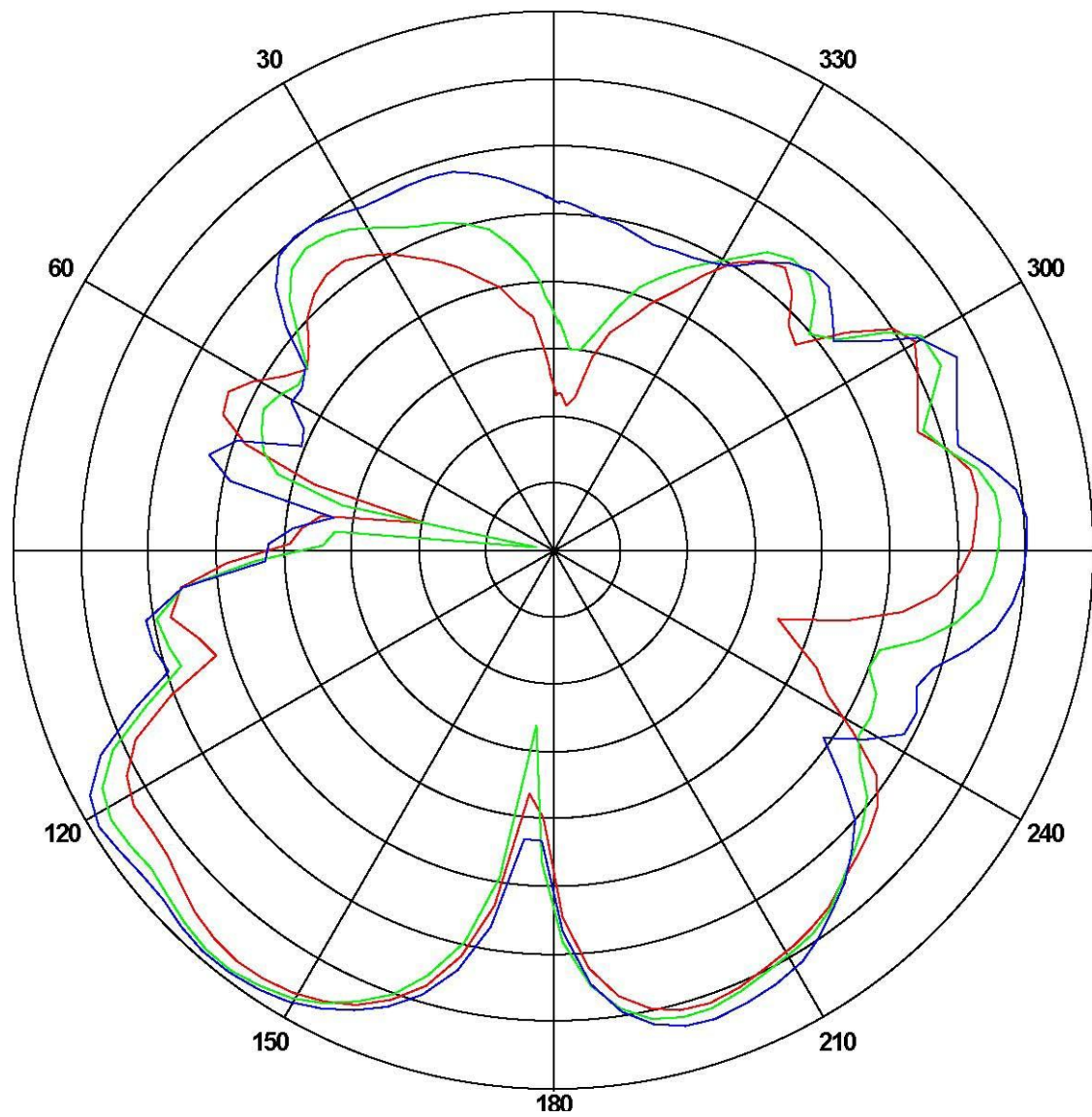
### Antenna Photo & Length (mm)



Horizontal: 2400 MHz 2450 MHz 2500 MHz

Power (dBm)

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

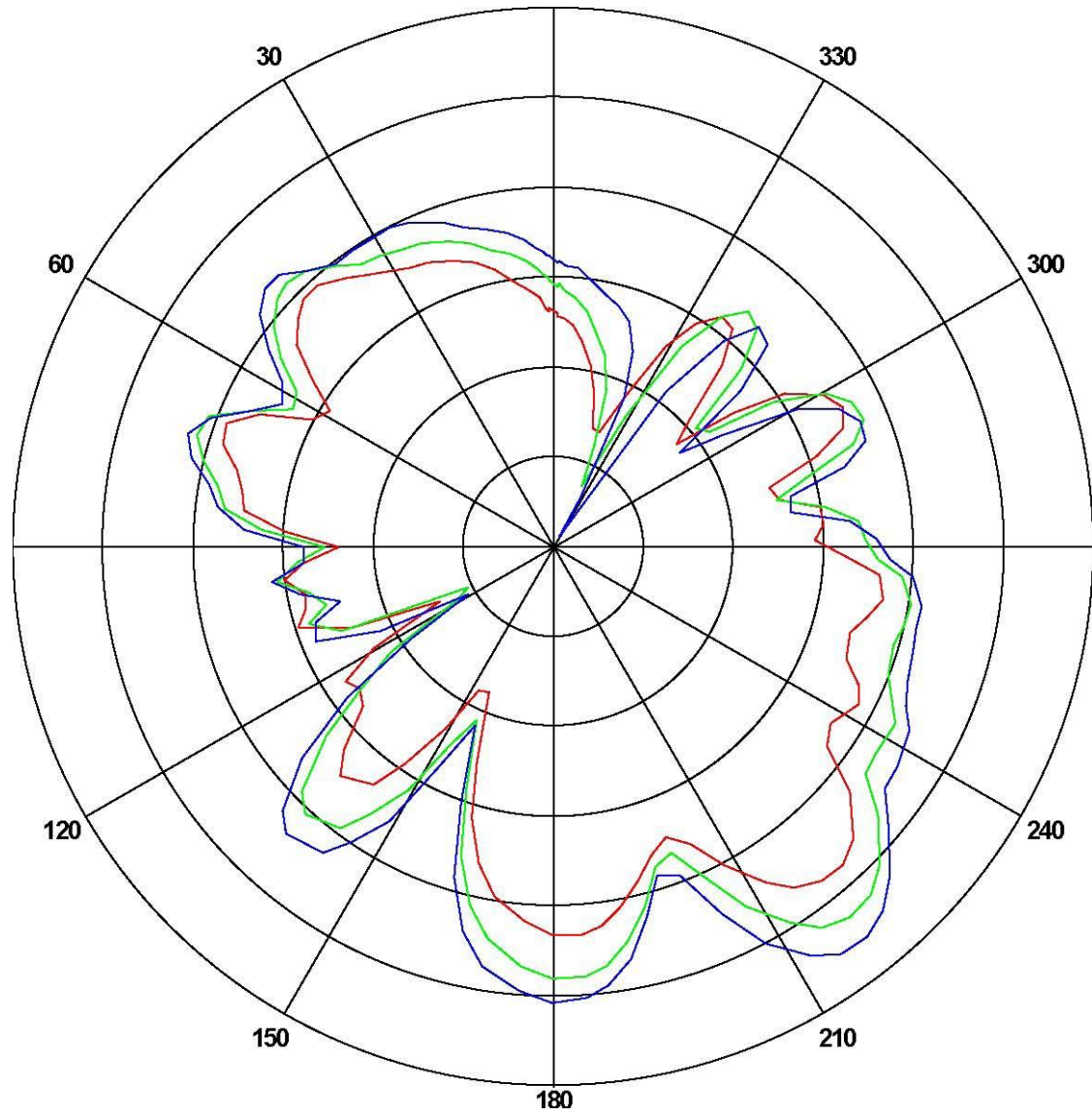


| Frequency<br>(MHz) | Gain(dBi) |          |          |
|--------------------|-----------|----------|----------|
|                    | Max       | Min      | Avg      |
| 2400               | -1.26174  | -30.0801 | -7.18716 |
| 2450               | -0.765802 | -36.5604 | -7.48023 |
| 2500               | -0.585582 | -22.0315 | -6.59127 |

Vertical: 2400 MHz 2450 MHz 2500 MHz

Power (dBm)

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



| Frequency<br>(MHz) | Gain(dBi) |          |          |
|--------------------|-----------|----------|----------|
|                    | Max       | Min      | Avg      |
| 2400               | -5.2537   | -22.1424 | -12.4294 |
| 2450               | -2.4652   | -24.5837 | -10.4702 |
| 2500               | -1.86120  | -29.5214 | -9.20432 |

3D Radiation Pattern

3D pattern

