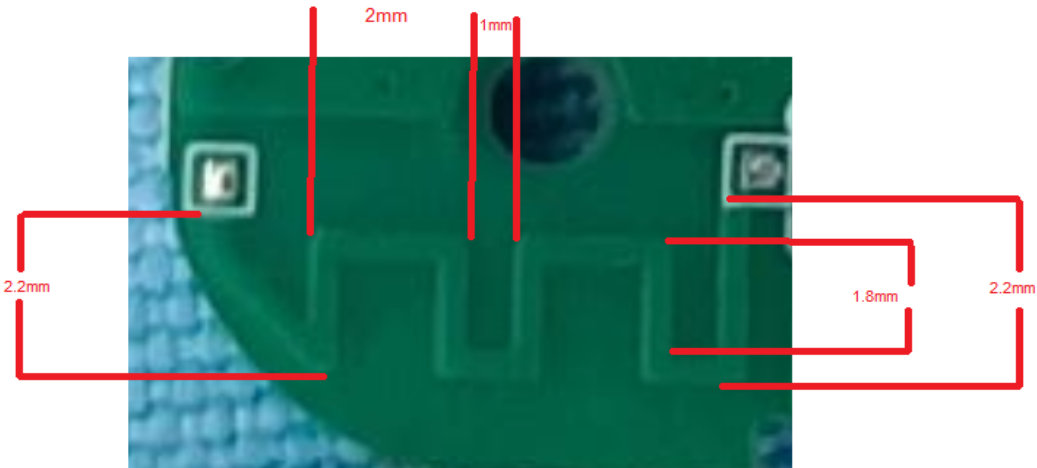


# Inverted F Antenna Specification

## Summary

|                      |                                           |         |         |          |         |         |
|----------------------|-------------------------------------------|---------|---------|----------|---------|---------|
| ITEM                 | ANT SPEC                                  |         |         |          |         |         |
| Model Name           | 2.4G ANT-ET22A-Y                          |         |         |          |         |         |
| Center Frequency     | Horizontal                                |         |         | Vertical |         |         |
|                      | 2400MHz                                   | 2450MHz | 2500MHz | 2400MHz  | 2450MHz | 2500MHz |
|                      | 1.26                                      | 0.76    | 1.9     | -4.25    | -1.46   | -0.86   |
| MAX. Gain            | 1.9dB i                                   |         |         |          |         |         |
| Polarization         | Horizontal and Vertical                   |         |         |          |         |         |
| Azimuth Beam Pattern | Omni-directional                          |         |         |          |         |         |
| Impedance            | 50 Ohm                                    |         |         |          |         |         |
| Antenna Length       | 38.20mm                                   |         |         |          |         |         |
| Manufacture          | Attestation of Global Compliance Co., Ltd |         |         |          |         |         |

## Antenna Photo & Length (mm)



Horizontal: 2400 MHz 2450 MHz 2500 MHz

Power (dBi)

Max: 2 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               | 1.903802  | -22.0315 | -6.59127 |

Vertical: 2400 MHz 2450 MHz 2500  
 MHz Power (dBi)  
 Max: 0 Min: -30 Scale: 5/div



| Frequency<br>(MHz) | Gain(dBi) |          |          |
|--------------------|-----------|----------|----------|
|                    | Max       | Min      | Avg      |
| 2400               | -4.2537   | -22.1424 | -12.4294 |
| 2450               | -1.4652   | -24.5837 | -10.4702 |
| 2500               | -0.86120  | -29.5214 | -9.20432 |