

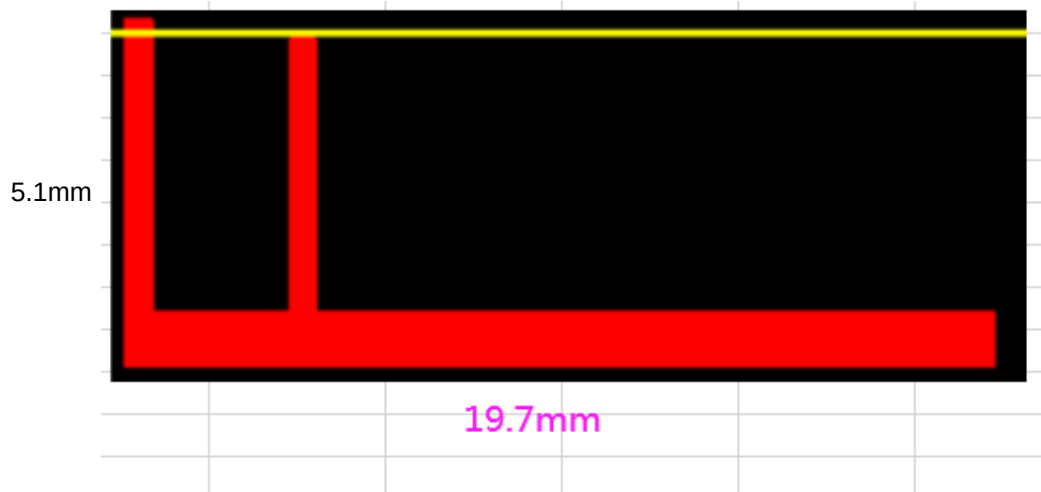
## Inverted F Antenna Specification

### 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   | -6.71    | -4.15   | -2.44   |
| MAX. Gain            | -0.58dBi                                        |         |         |          |         |         |
| Polarization         | Horizontal and Vertical                         |         |         |          |         |         |
| Azimuth Beam Pattern | Omni-directional                                |         |         |          |         |         |
| Impedance            | 50 Ohm                                          |         |         |          |         |         |
| Antenna Length       |                                                 |         |         |          |         |         |
| Manufacture          | Dongguan Togran Electronics Technology Co.,Ltd. |         |         |          |         |         |

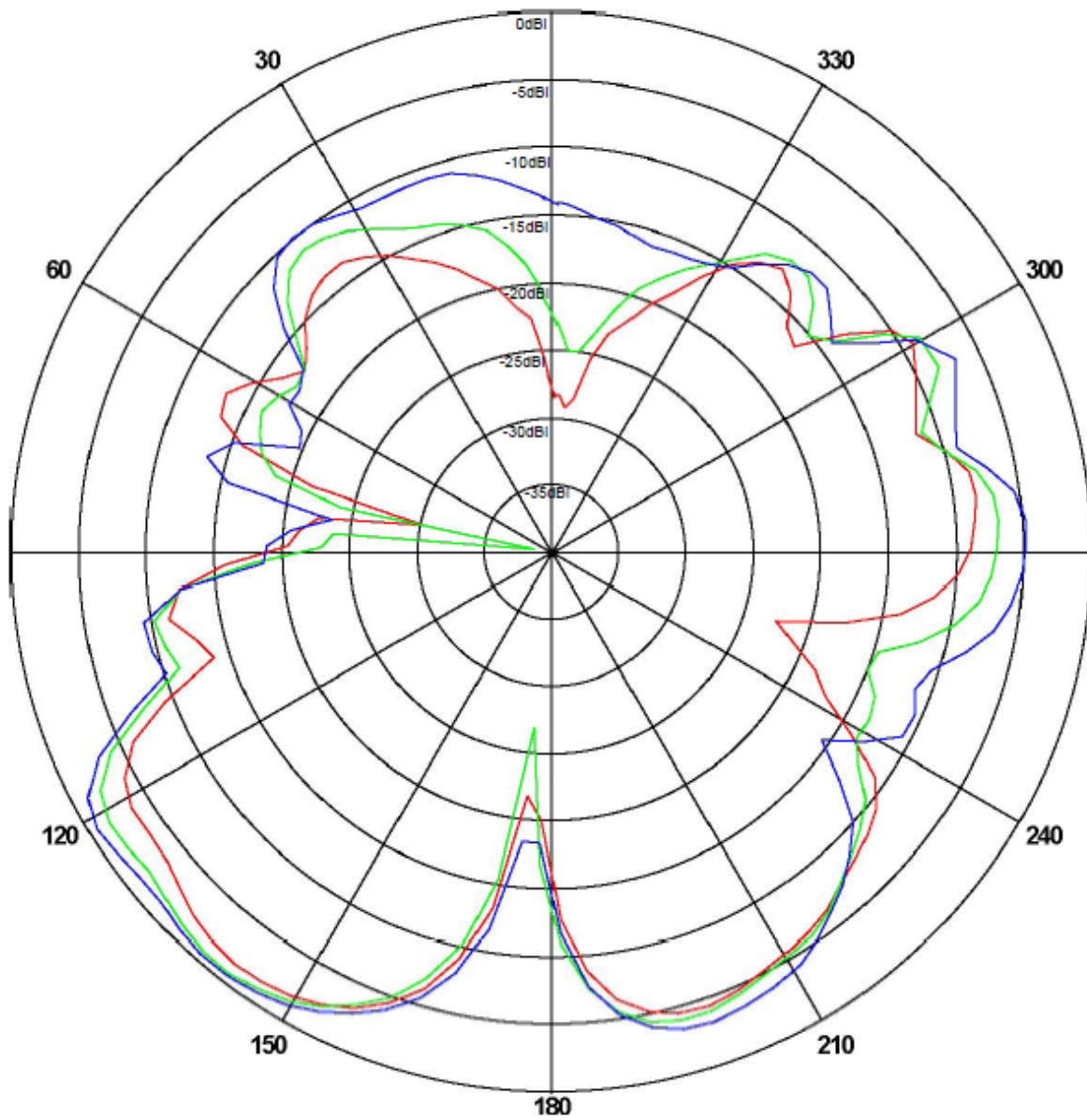
No. 110, Shijie Shidan Mid Rd, Shijie Town, Dongguan City, Guangdong Province, China

### Antenna Photo & Length (mm)



Horizontal: 2400 MHz 2450 MHz 2500 MHz

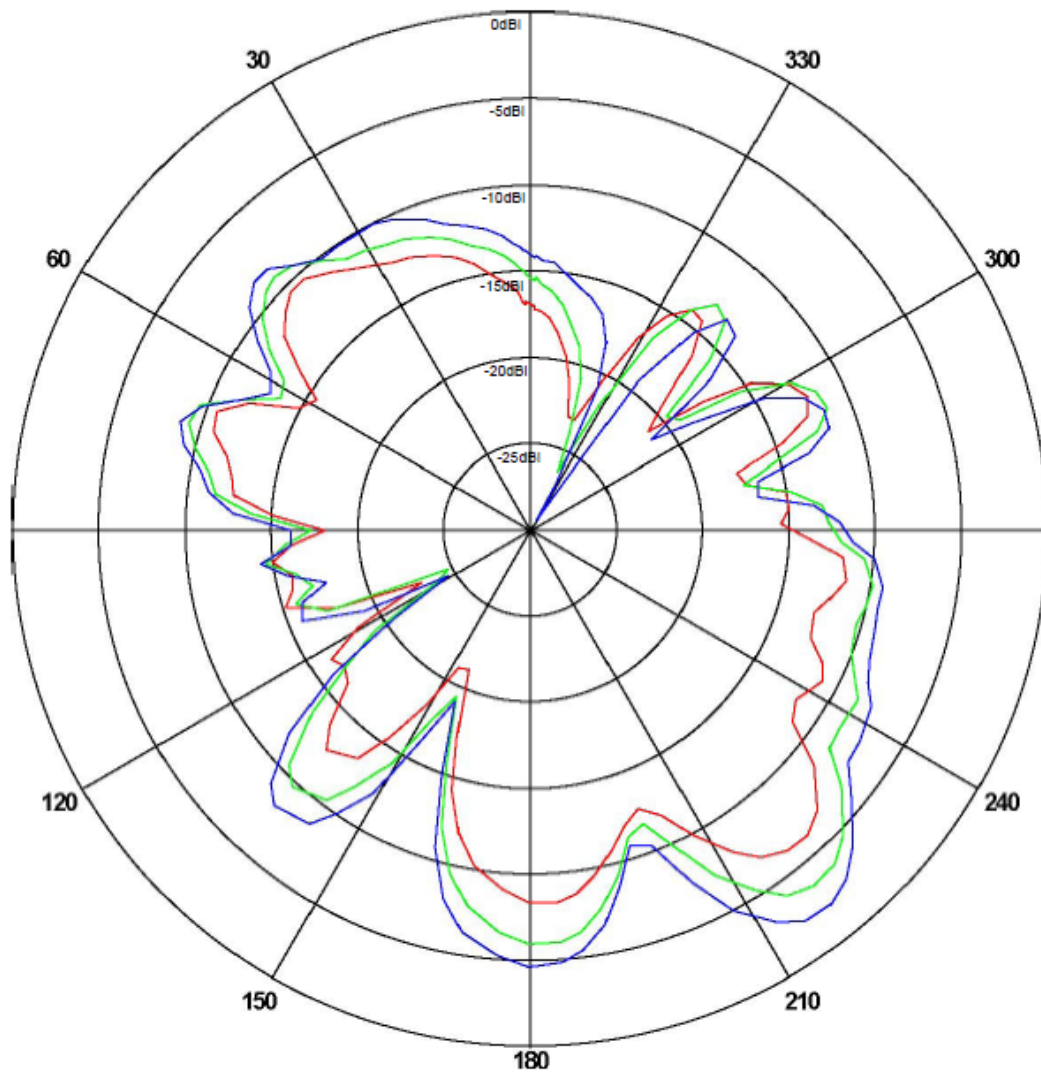
Max: 0dBi Min: -40dBi Scale: 5/div



| Frequency<br>(MHz) | Gain(dBi) |        |       |
|--------------------|-----------|--------|-------|
|                    | Max       | Min    | Avg   |
| 2400               | -1.26     | -30.08 | -7.18 |
| 2450               | -0.76     | -36.56 | -7.48 |
| 2500               | -0.58     | -22.03 | -6.59 |

Vertical: 2400 MHz 2450 MHz 2500 MHz

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



| Frequency<br>(MHz) | Gain (dBi) |        |        |
|--------------------|------------|--------|--------|
|                    | Max        | Min    | Avg    |
| 2400               | -6.71      | -22.14 | -12.42 |
| 2450               | -4.15      | -24.58 | -10.47 |
| 2500               | -2.44      | -29.52 | -9.204 |

ANT Test Labs: Attestation of Global Compliance Co., Ltd.