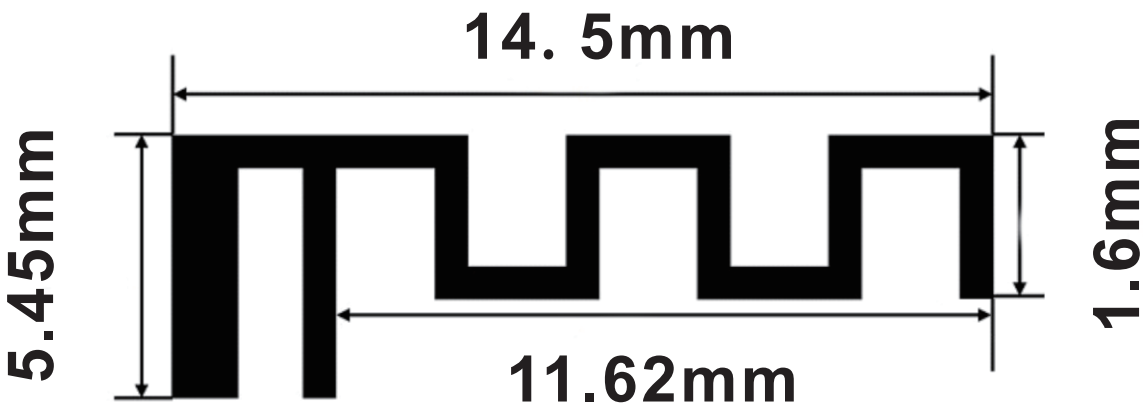


# Inverted F Antenna Specification

## Summary

|                      |                               |          |          |          |          |          |
|----------------------|-------------------------------|----------|----------|----------|----------|----------|
| ITEM                 | ANT SPEC                      |          |          |          |          |          |
| Model Name           | 2.4G ANT                      |          |          |          |          |          |
| Center Frequency     | Horizontal                    |          |          | Vertical |          |          |
|                      | 2400MHz                       | 2450MHz  | 2500MHz  | 2400MHz  | 2450MHz  | 2500MHz  |
|                      | -1.26dBi                      | -0.76dBi | -0.58dBi | -5.25dBi | -2.46dBi | -1.86dBi |
| MAX. Gain            | -0.58dBi                      |          |          |          |          |          |
| Polarization         | Horizontal and Vertical       |          |          |          |          |          |
| Azimuth Beam Pattern | Omni-directional              |          |          |          |          |          |
| Impedance            | 50 Ohm                        |          |          |          |          |          |
| Antenna Length       | 38.20mm                       |          |          |          |          |          |
| Manufacture          | Bluetrum technology Co., Ltd. |          |          |          |          |          |

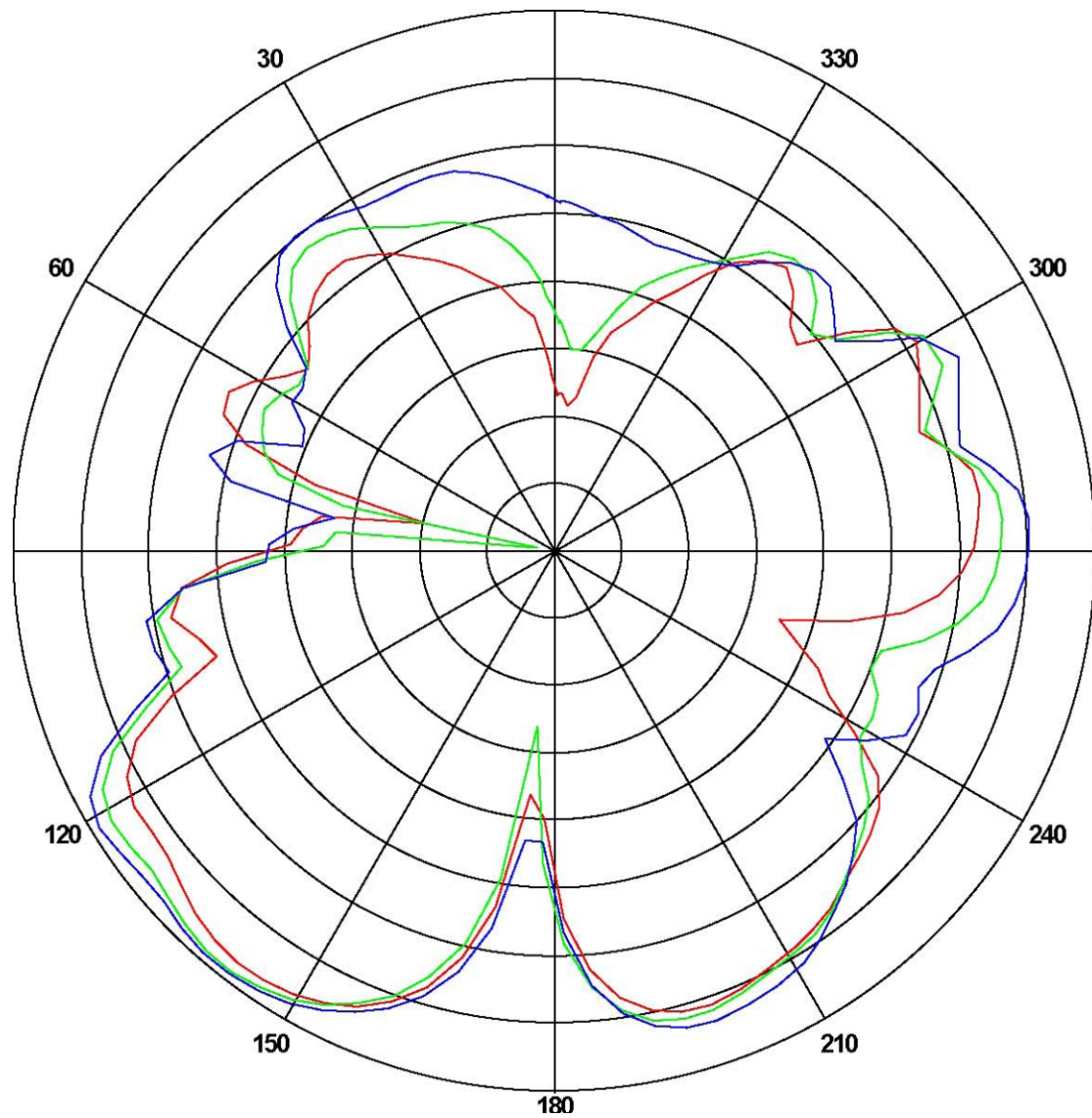
Antenna Photo & Length (mm)



Horizontal: 2400 MHz 2450 MHz 2500 MHz

Power (dBi )

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

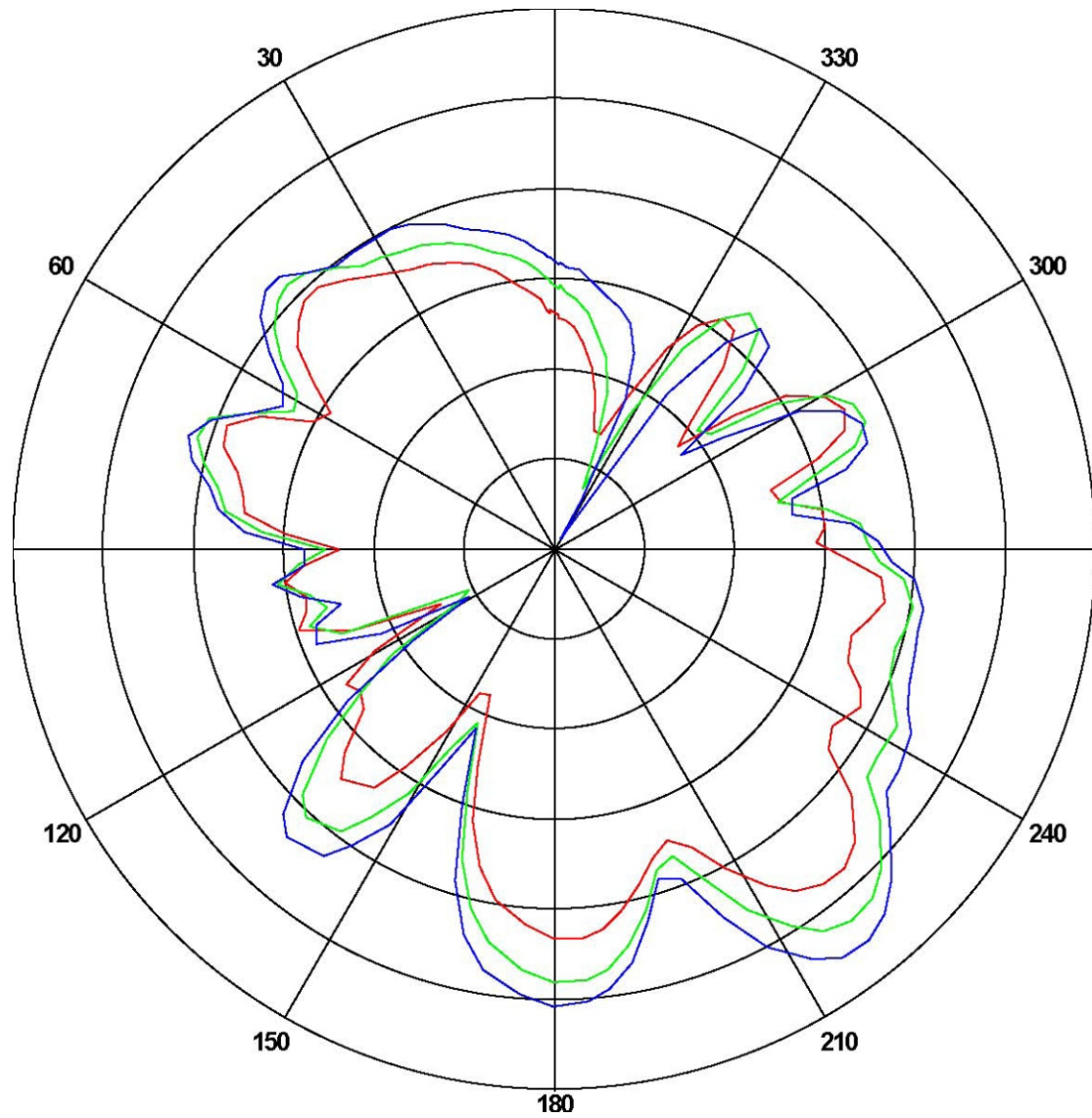


| Frequency<br>(MHz) | Gain(dB)  |          |          |
|--------------------|-----------|----------|----------|
|                    | Max       | Min      | Avg      |
| 2400               | -1.26174  | -30.0801 | -7.18716 |
| 2450               | -0.765802 | -36.5604 | -7.48023 |
| 2500         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

Vertical: 2400 MHz 2450 MHz 2500 MHz

Power (dBi)

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

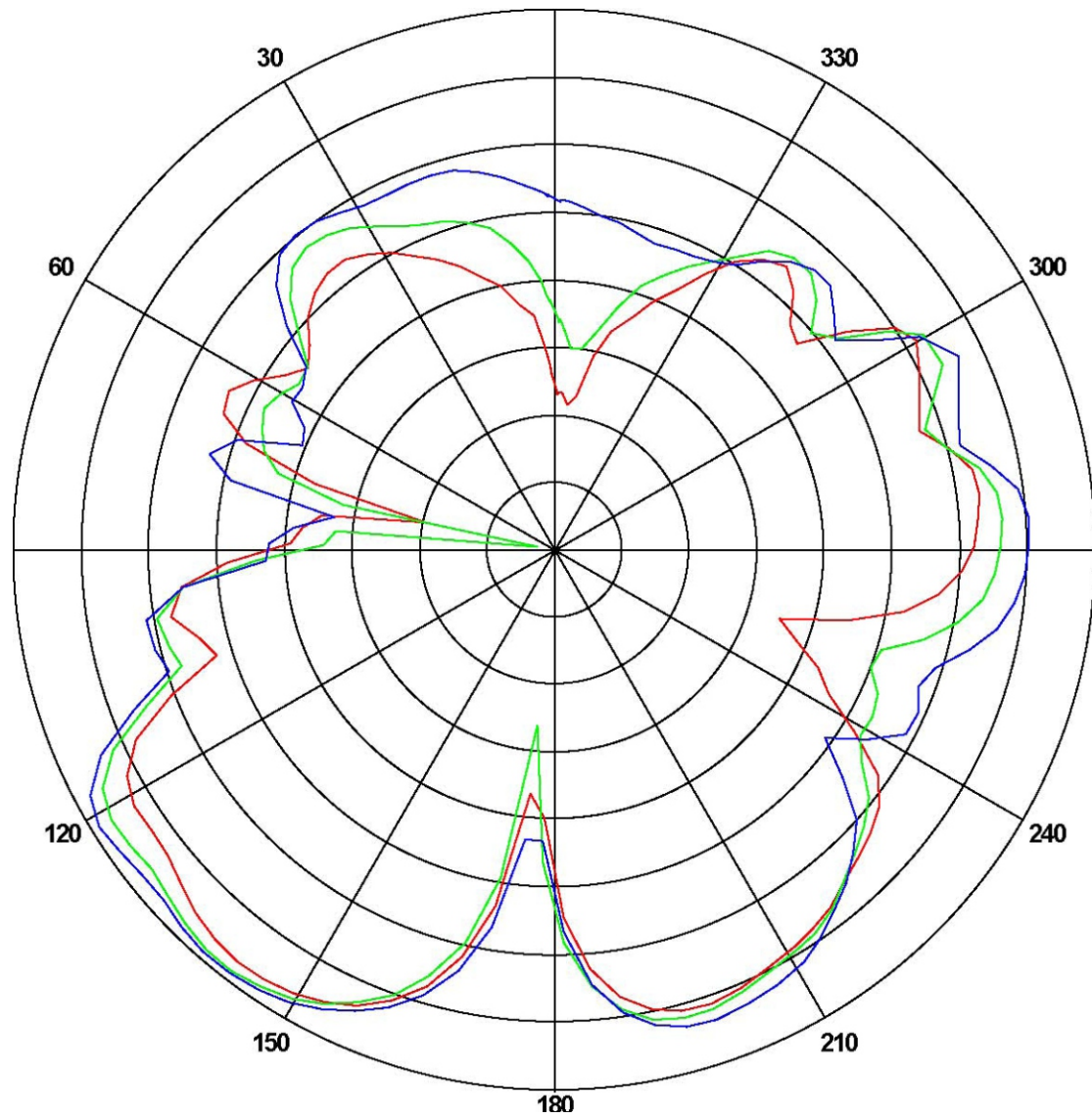


| Frequency<br>(MHz) | Gain(dB) |          |          |
|--------------------|----------|----------|----------|
|                    | Max      | Min      | Avg      |
| 2400               | -5.2537  | -22.1424 | -12.4294 |
| 2450               | -2.4652  | -24.5837 | -10.4702 |
| 2500              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

Horizontal: 2400 MHz 2450 MHz 2500 MHz

Power (dBi )

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

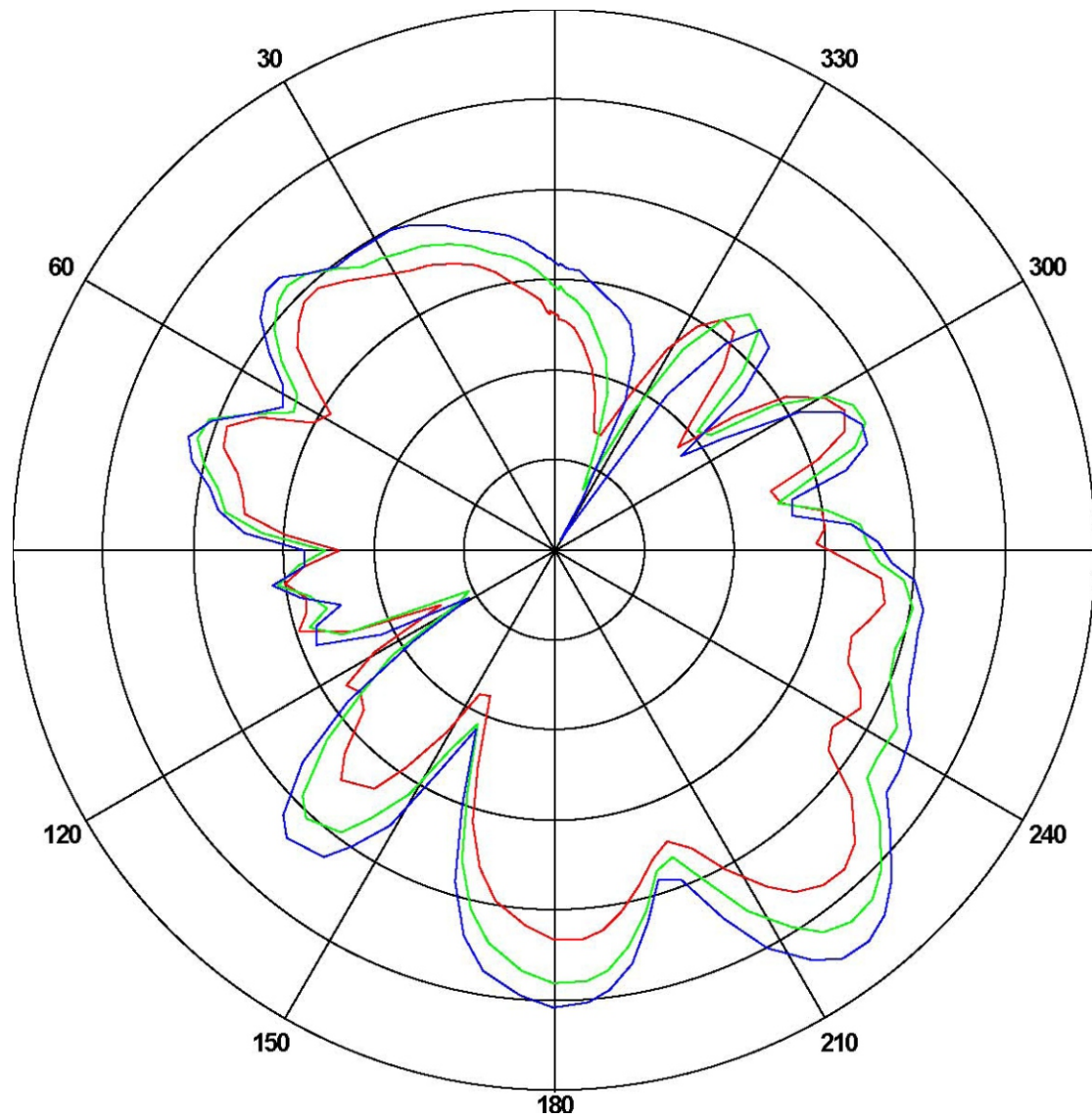


| Frequency<br>(MHz) | Gain(dB)  |          |          |
|--------------------|-----------|----------|----------|
|                    | Max       | Min      | Avg      |
| 2400               | -1.26174  | -30.0801 | -7.18716 |
| 2450               | -0.765802 | -36.5604 | -7.48023 |
| 2500         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

Vertical: 2400 MHz 2450 MHz 2500 MHz

Power (dBi)

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



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