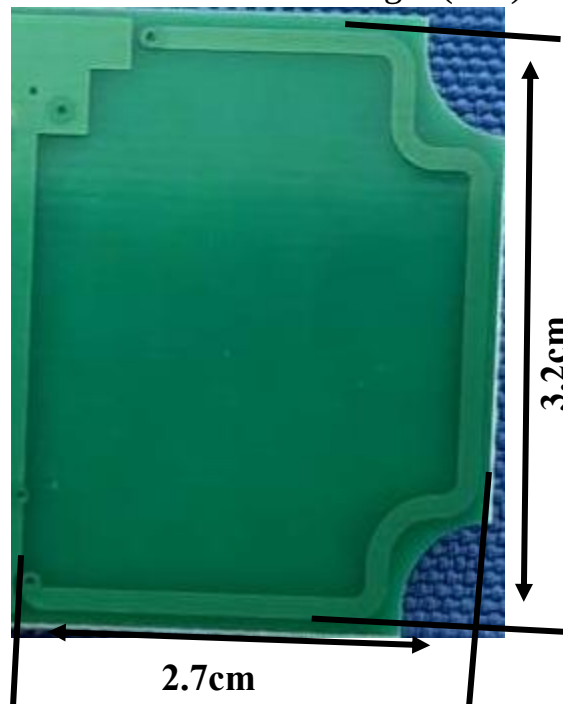


## Inverted F Antenna Specification

### Summary

| ITEM                 | ANT SPEC                                                                                       |          |          |          |           |           |
|----------------------|------------------------------------------------------------------------------------------------|----------|----------|----------|-----------|-----------|
| Model Name           | 433.92MHz ANT                                                                                  |          |          |          |           |           |
| Center Frequency     | Horizontal                                                                                     |          |          | Vertical |           |           |
|                      | 433.82MHz                                                                                      | 433.92MH | 434.02MH | 433.82MH | 433.92MHz | 434.02MHz |
|                      | -1.26                                                                                          | -0.76    | -0.58    | -5.25    | -2.46     | -1.86     |
| MAX. Gain            | -0.58dB                                                                                        |          |          |          |           |           |
| Polarization         | Horizontal and Vertical                                                                        |          |          |          |           |           |
| Azimuth Beam Pattern | Omni-directional                                                                               |          |          |          |           |           |
| Impedance            | 50 Ohm                                                                                         |          |          |          |           |           |
| Antenna type         | PCB ANT                                                                                        |          |          |          |           |           |
| Manufacture          | DONGGUANSHI YAAI ELECTRON CO.,LTD                                                              |          |          |          |           |           |
|                      | No.58 Jinsha Road, Shajiao Industrial Zone, Shajiao Village, Shipai Town, Dongguan City, China |          |          |          |           |           |

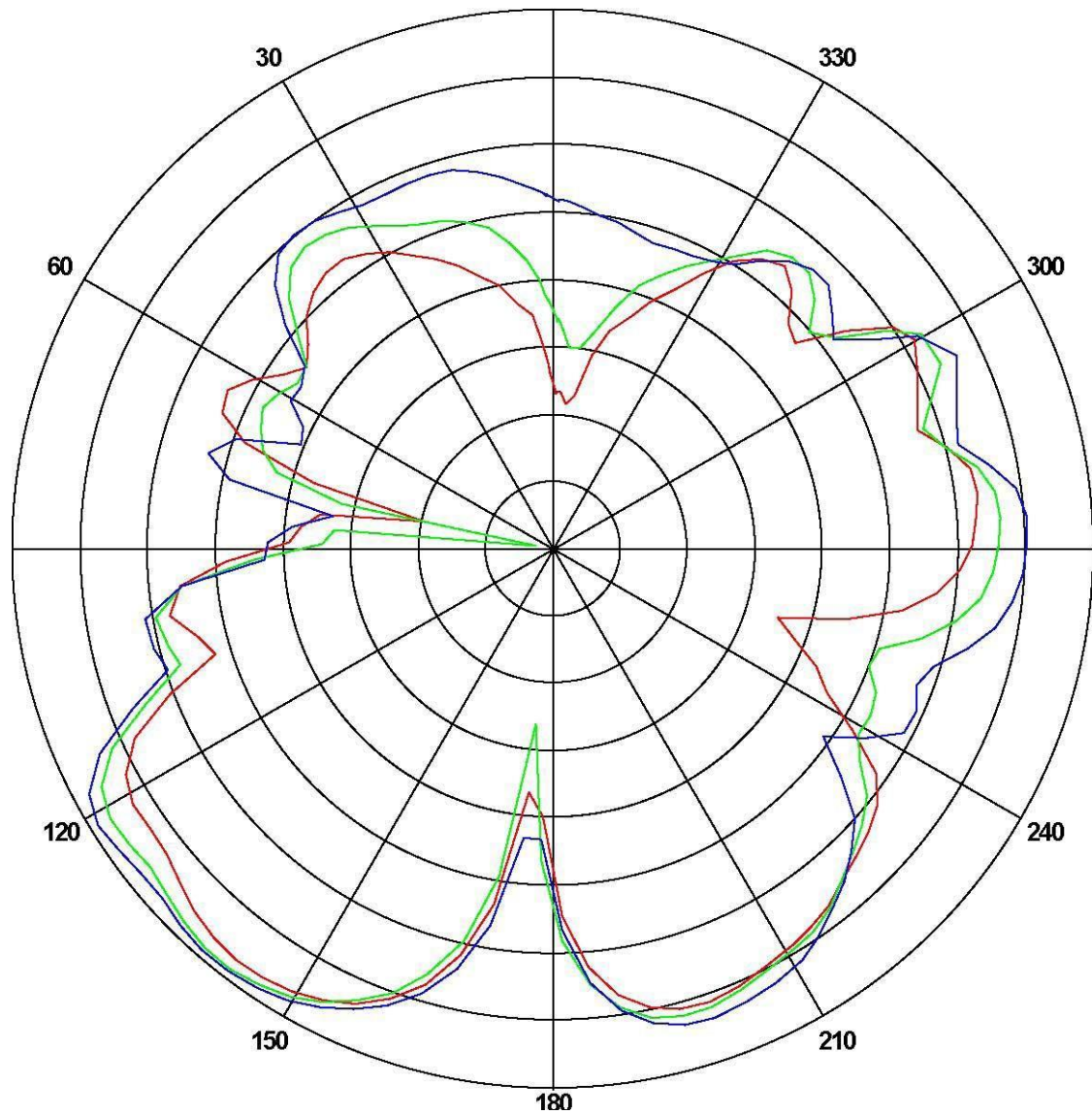
Antenna Photo & Length (mm)



Horizontal: 433.82MHz 433.92 MHz

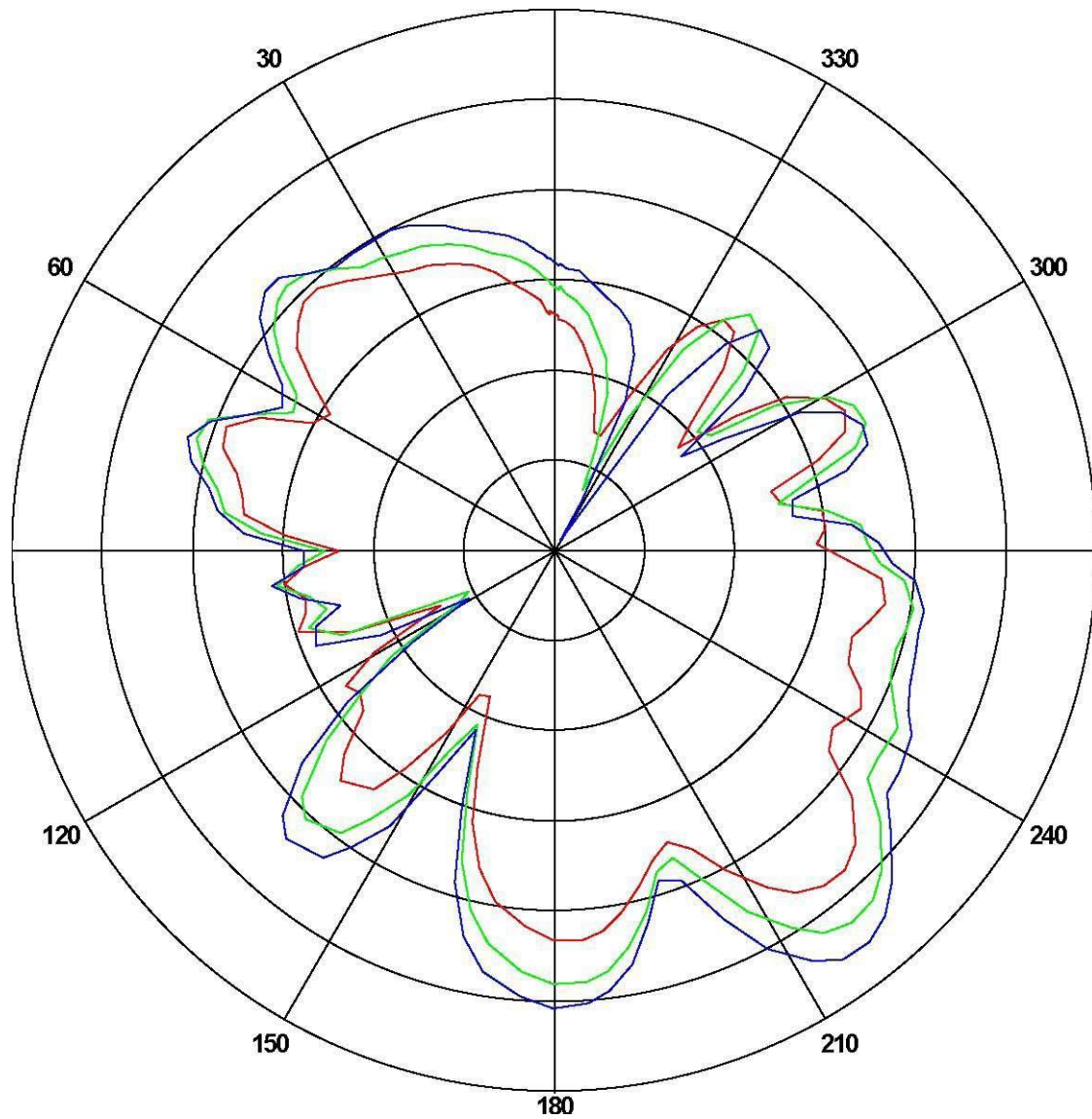
434.02MHz Power (dBm)

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



| Frequency<br>(MHz) | Gain(dB)  |          |          |
|--------------------|-----------|----------|----------|
|                    | Max       | Min      | Avg      |
| 433.82             | -1.26174  | -30.0801 | -7.18716 |
| 433.92             | -0.765802 | -36.5604 | -7.48023 |
| 434.02             | -0.585582 | -22.0315 | -6.59127 |

Vertical: 433.82 MHz 433.92 MHz  
 434.02MHz Power (dBm)  
 Max: 0 Min: -30 Scale: 5/div



| Frequency<br>(MHz) | Gain(dB) |          |          |
|--------------------|----------|----------|----------|
|                    | Max      | Min      | Avg      |
| 433.82             | -5.2537  | -22.1424 | -12.4294 |
| 433.92             | -2.4652  | -24.5837 | -10.4702 |
| 434.02             | -1.86120 | -29.5214 | -9.20432 |

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