

# Antenna Specification

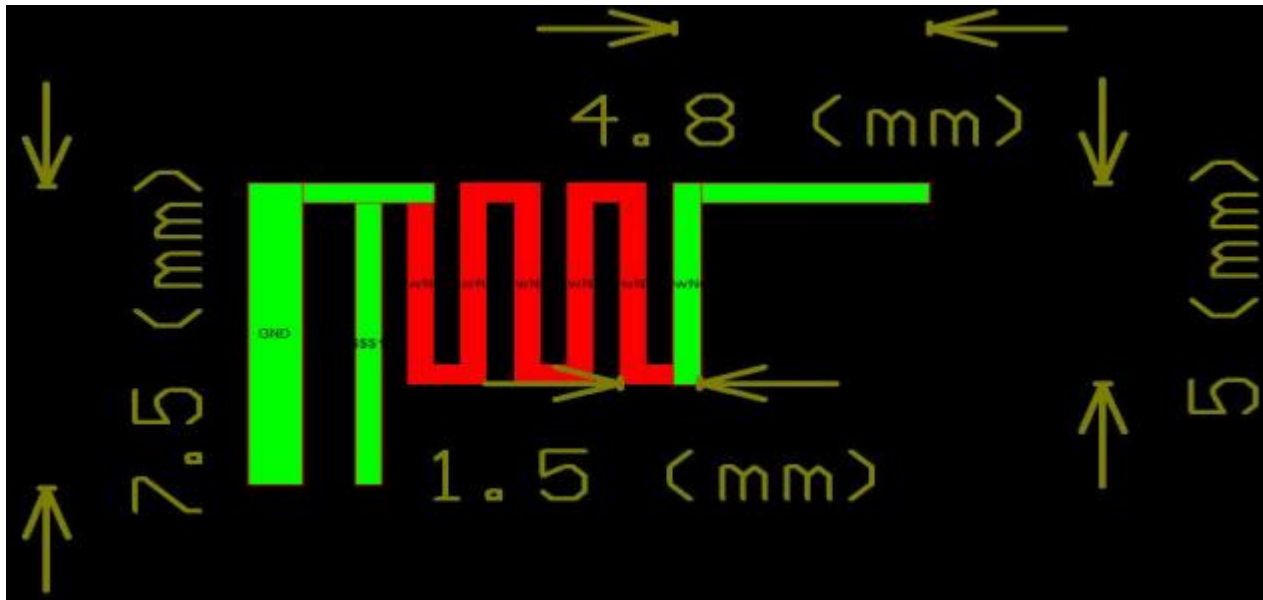
CHINESEFINDER(DONGGUAN)TECH  
NOLOGY CO.LTD.

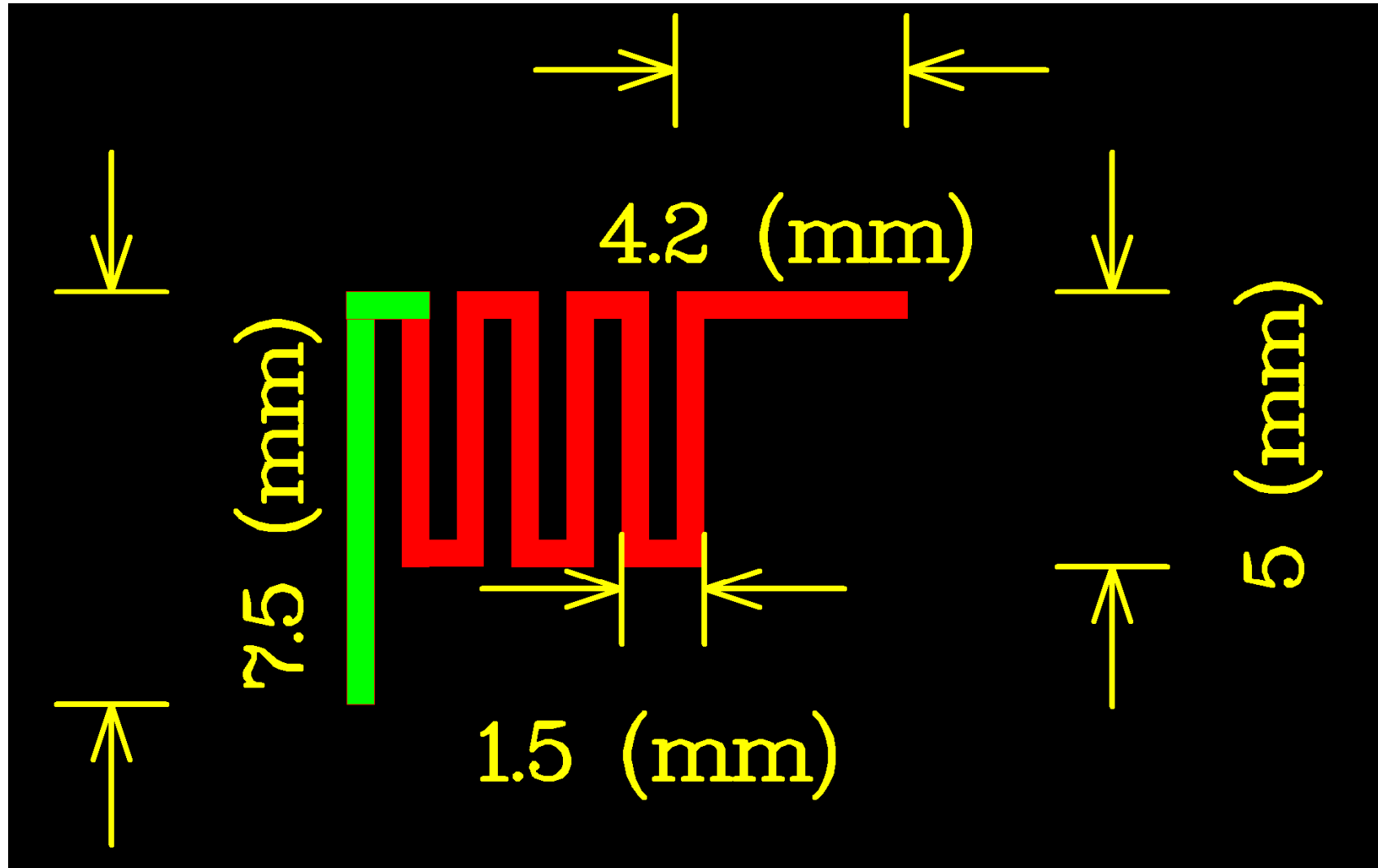
Add:9th Floor, Building 3, Zhongsheng  
Zhiyuan, No.9 Gongye West Road,  
Songshan Lake Park, Dongguan Gity

## Specifications Summary

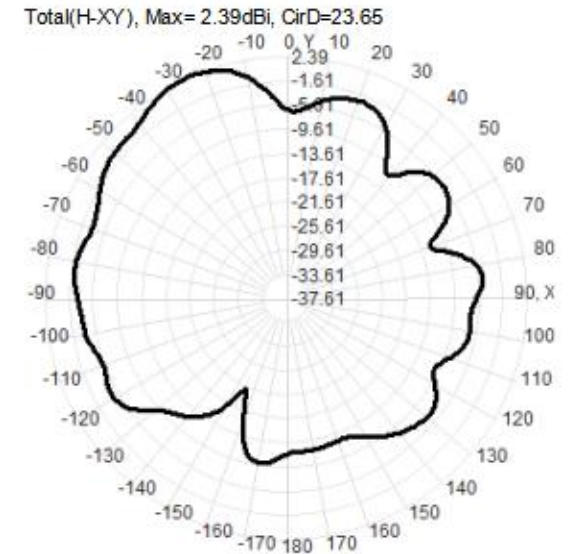
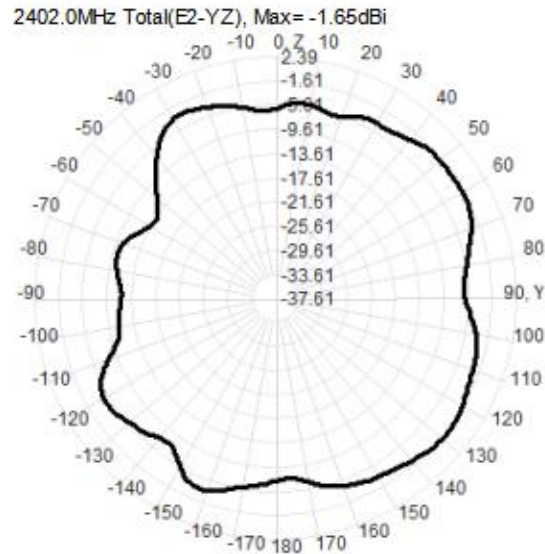
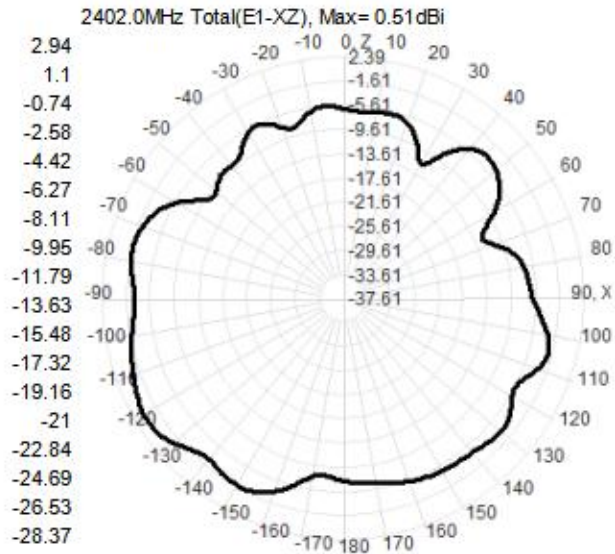
| ITEM                 | SPEC.            |          |
|----------------------|------------------|----------|
| Model Name           | ISM 2.4 GHz      |          |
| Center Frequency     | 2.402GHz         | 2.94 dBi |
|                      | 2.440GHz         | 2.76 dBi |
|                      | 2.480GHz         | 2.73 dBi |
| MAX. GAIN            | 2.94 dBi         |          |
| Polarization         | Horizontal       |          |
| Azimuth Beam Pattern | Omni-directional |          |
| Impedance            | 50 $\Omega$      |          |
| Antenna Length       | 41 mm            |          |

## Antenna Photo & Length





# Radiation pattern: Antenna 1 . XZ Plane at $f = 2.402\text{GHz}$



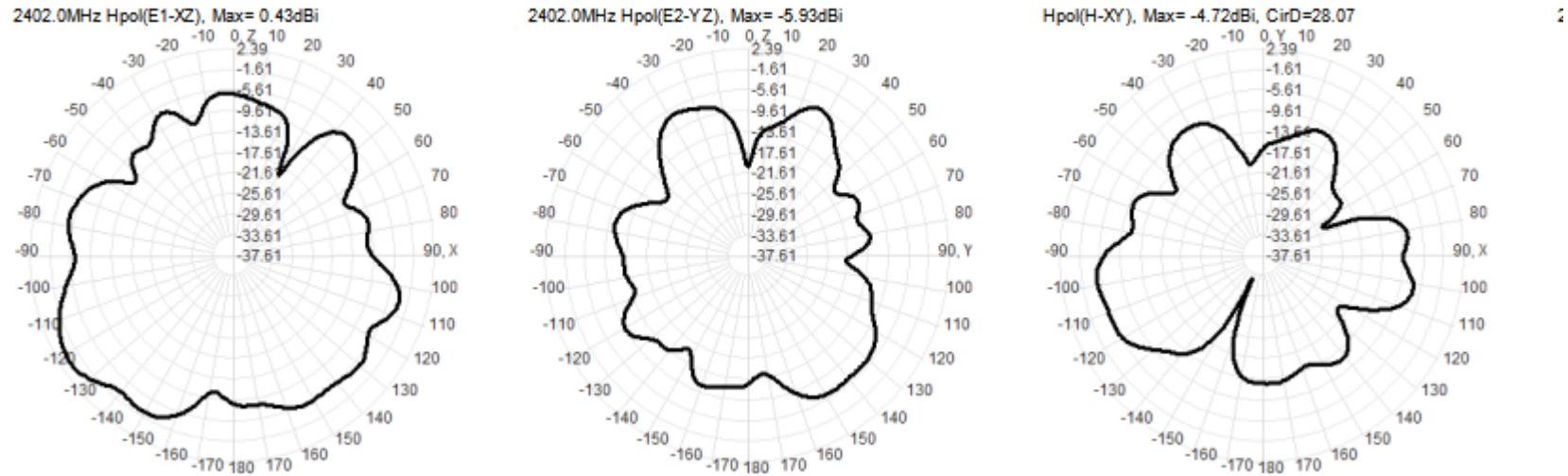
Co-cross polarization field (dBi)

Total field (dBi)

Solid line: vertical polarization

Dash line: horizontal polarization

# Radiation pattern: Antenna 1 . XZ Plane at $f = 2.402\text{GHz}$



Co-cross polarization field (dBi)

Total field (dBi)

Solid line: vertical polarization

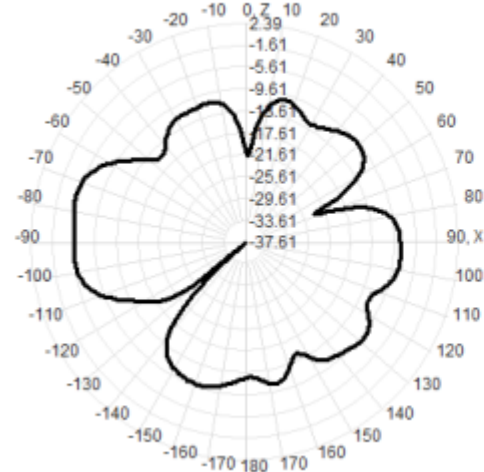
Dash line: horizontal polarization

---

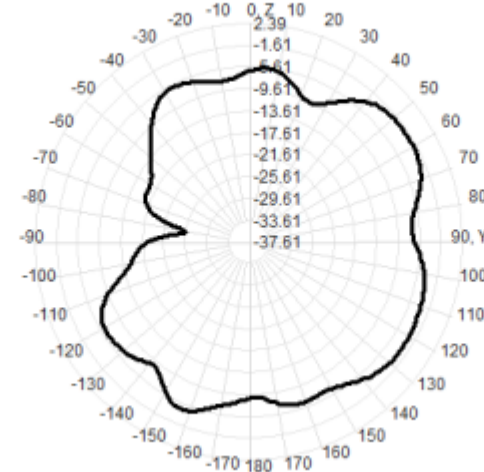
UCI CENTER FOR RF DESIGN AND CHARACTERIZATION

Radiation pattern: Antenna 1 . XZ Plane at  $f = 2.402\text{GHz}$

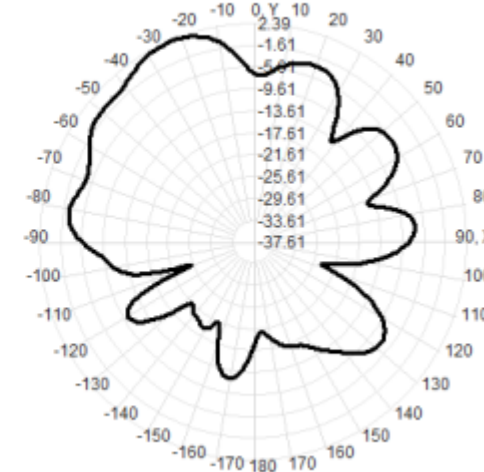
2402.0MHz Vpol(E1-XZ), Max= -4.95dBi



2402.0MHz Vpol(E2-YZ), Max= -2.36dBi



Vpol(H-XY), Max= 2.12dBi, CirD=27.51



Co-cross polarization field (dBi)

Total field (dBi)

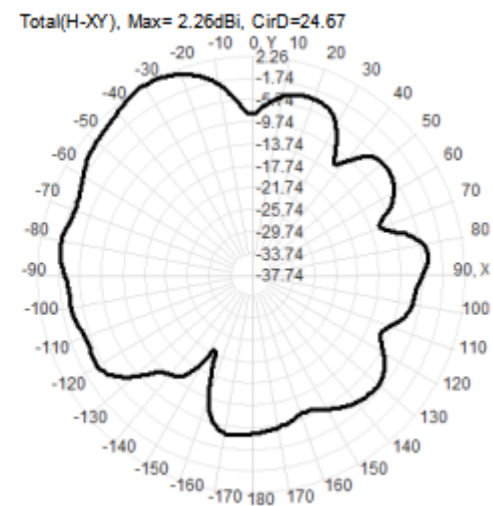
Solid line: vertical polarization

Dash line: horizontal polarization

---

UCI CENTER FOR RF DESIGN AND CHARACTERIZATION

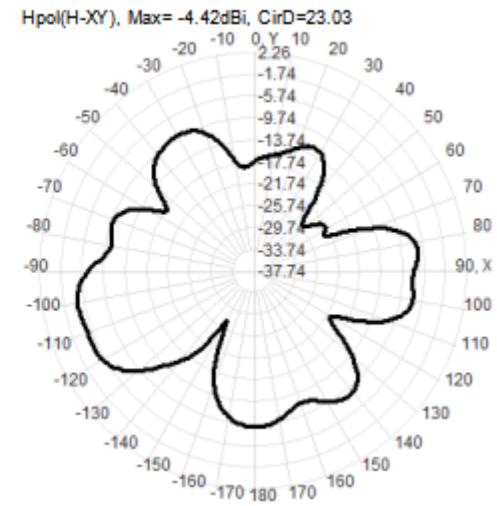
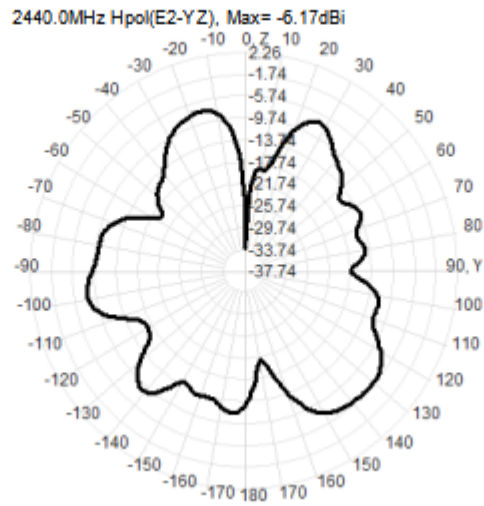
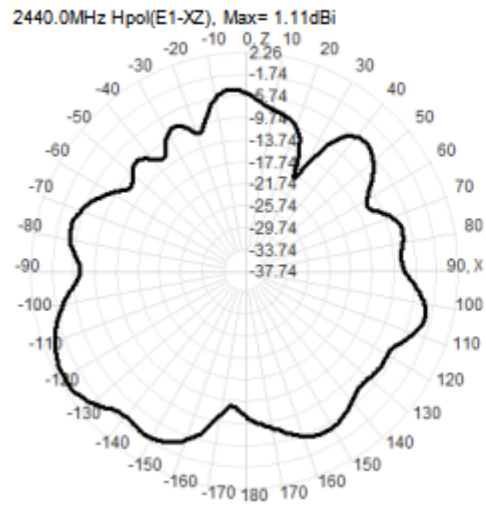
Radiation pattern: Antenna 1 . XZ Plane at  $f = 2.440\text{GHz}$



Total field (dBi)

Dash line: horizontal polarization

Radiation pattern: Antenna 1 . XZ Plane at  $f = 2.440\text{GHz}$



Co-cross polarization field (dBi)

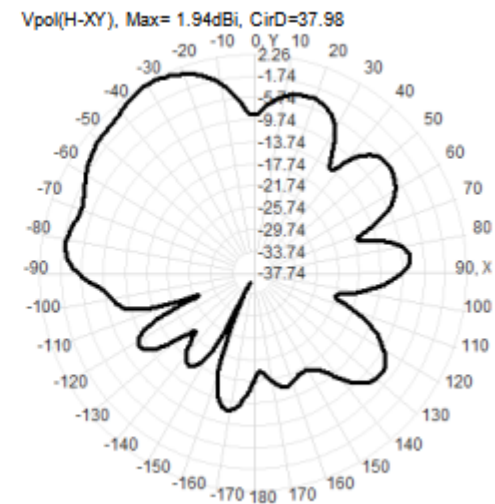
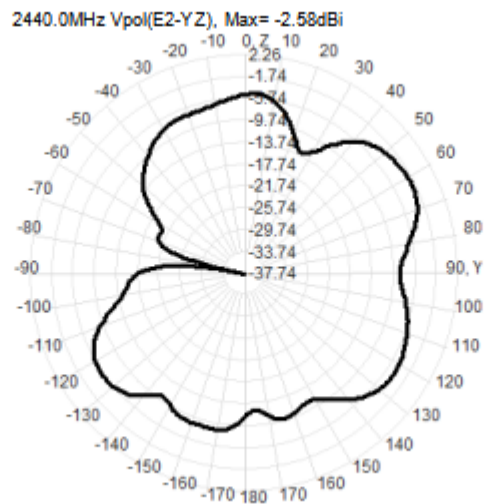
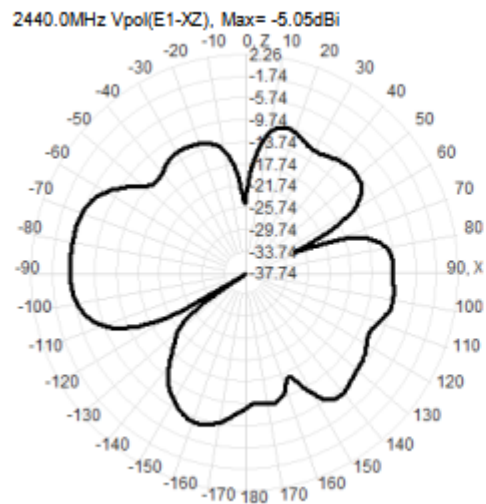
Total field (dBi)

Solid line: vertical polarization

Dash line: horizontal polarization

UCI CENTER FOR RF DESIGN AND CHARACTERIZATION

Radiation pattern: Antenna 1 . XZ Plane at  $f = 2.440\text{GHz}$



Co-cross polarization field (dBi)

Total field (dBi)

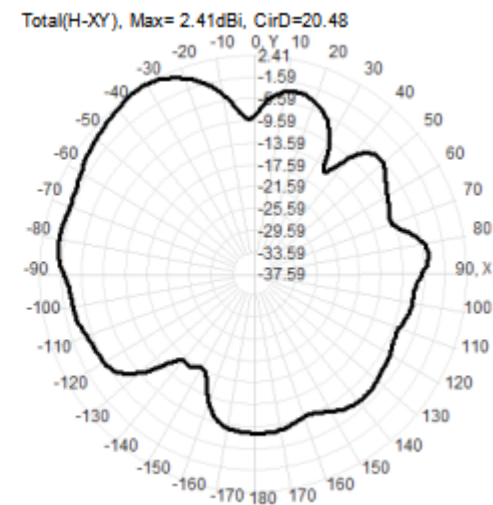
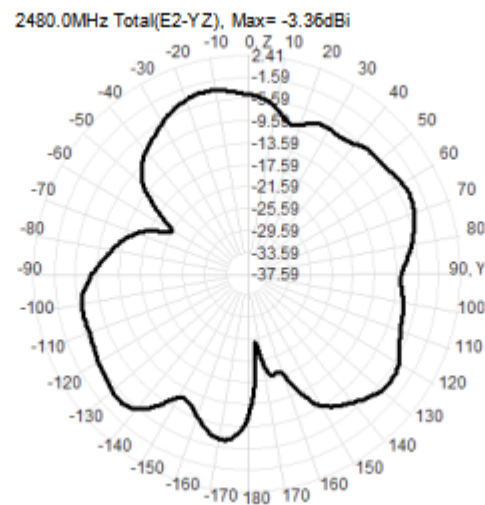
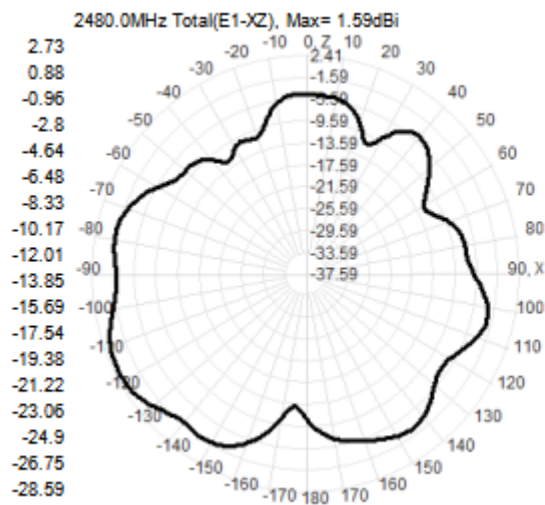
Solid line: vertical polarization

Dash line: horizontal polarization

---

UCI CENTER FOR RF DESIGN AND CHARACTERIZATION

Radiation pattern: Antenna 1 . XZ Plane at  $f = 2.480\text{GHz}$



Co-cross polarization field (dBi)

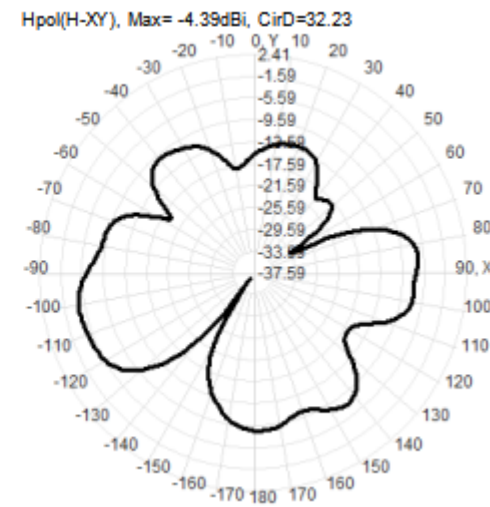
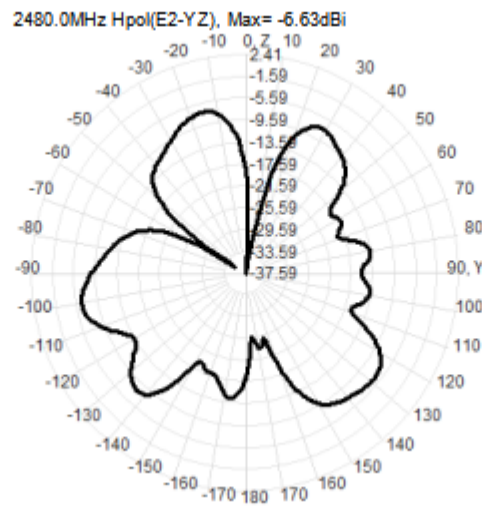
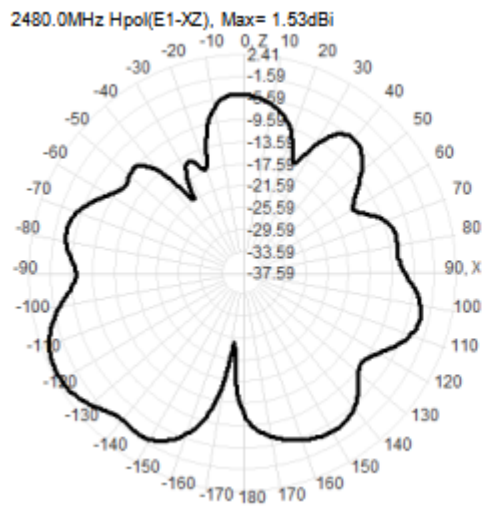
Total field (dBi)

Solid line: vertical polarization

Dash line: horizontal polarization

UCI CENTER FOR RF DESIGN AND CHARACTERIZATION

Radiation pattern: Antenna 1 . XZ Plane at  $f = 2.480\text{GHz}$



Co-cross polarization field (dBi)

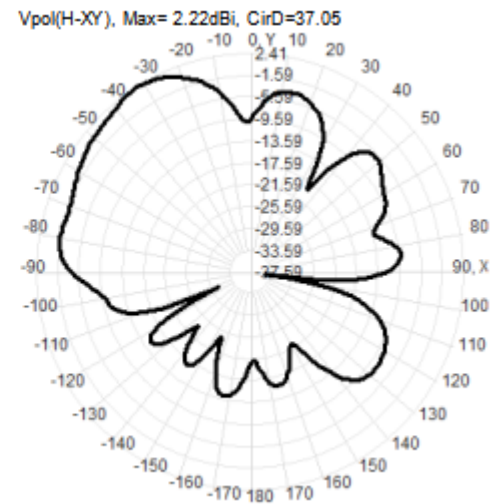
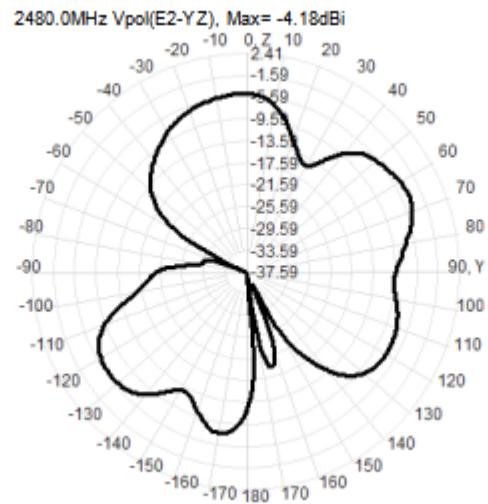
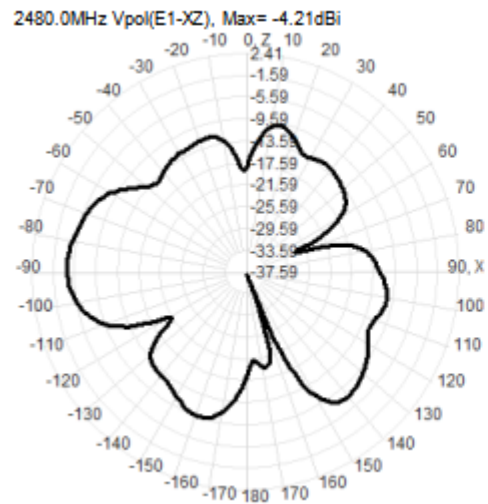
Total field (dBi)

Solid line: vertical polarization

Dash line: horizontal polarization

UCI CENTER FOR RF DESIGN AND CHARACTERIZATION

Radiation pattern: Antenna 1 . XZ Plane at  $f = 2.480\text{GHz}$



Co-cross polarization field (dBi)

Total field (dBi)

Solid line: vertical polarization

Dash line: horizontal polarization

---

UCI CENTER FOR RF DESIGN AND CHARACTERIZATION