

Antenna Specification

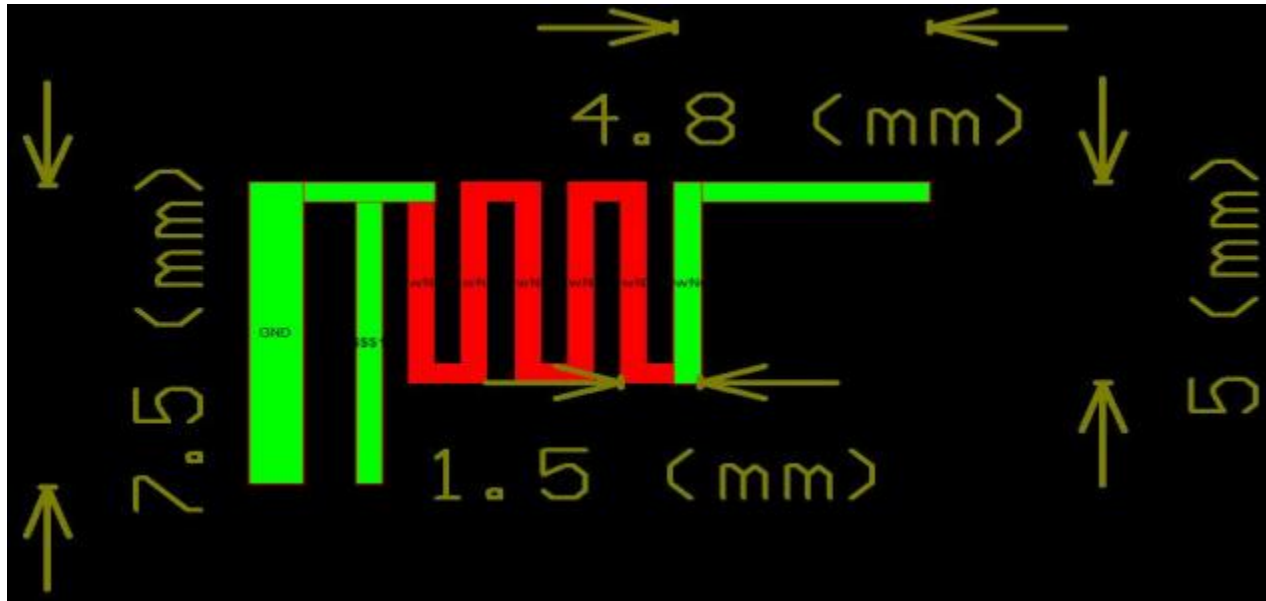
Specifications Summary

ITEM	SPEC.	
Model Name	ISM 2.4 GHz	
Center Frequency	2.402GHz	2.39 dBi
	2.440GHz	2.26 dBi
	2.480GHz	2.41 dBi
MAX. GAIN	2.41 dBi	
Polarization	Horizontal	
Azimuth Beam Pattern	Omni- directional	
Impedance	50 Ω	
Antenna Length	41 mm	
Antenna Type	PCB Antenna	

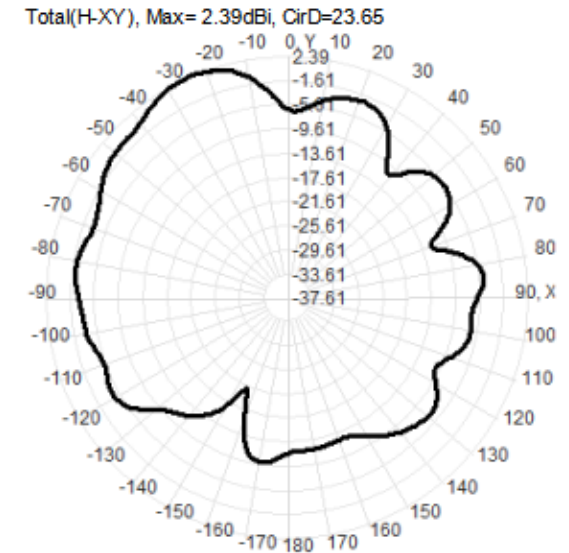
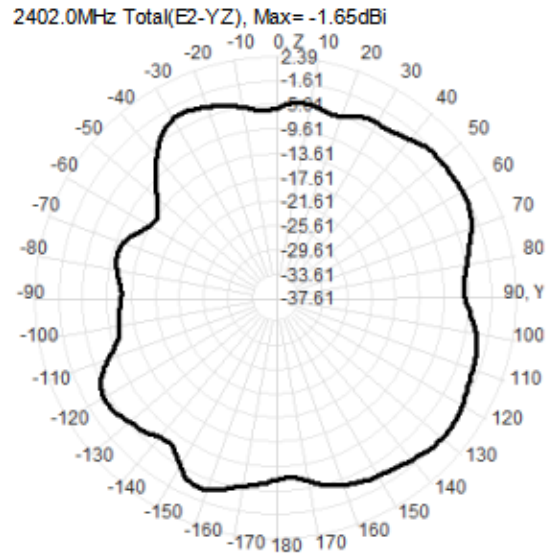
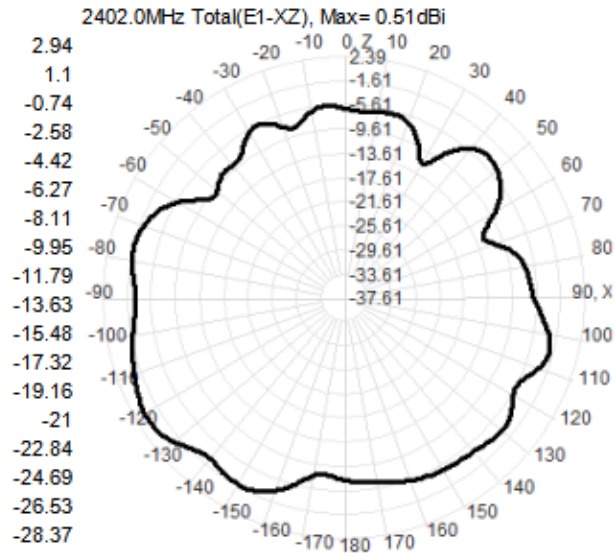
Manaufature: Shenzhen Ajazz Tongchuang Electronic Technology Co., Ltd.

Address: 2104-1, Block A, CIMC Low Orbit Satellite Internet of Things Industrial Park, Dongkeng Community, Fenghuang Street,
Guangming District, Shenzhen

Antenna Photo & Length



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



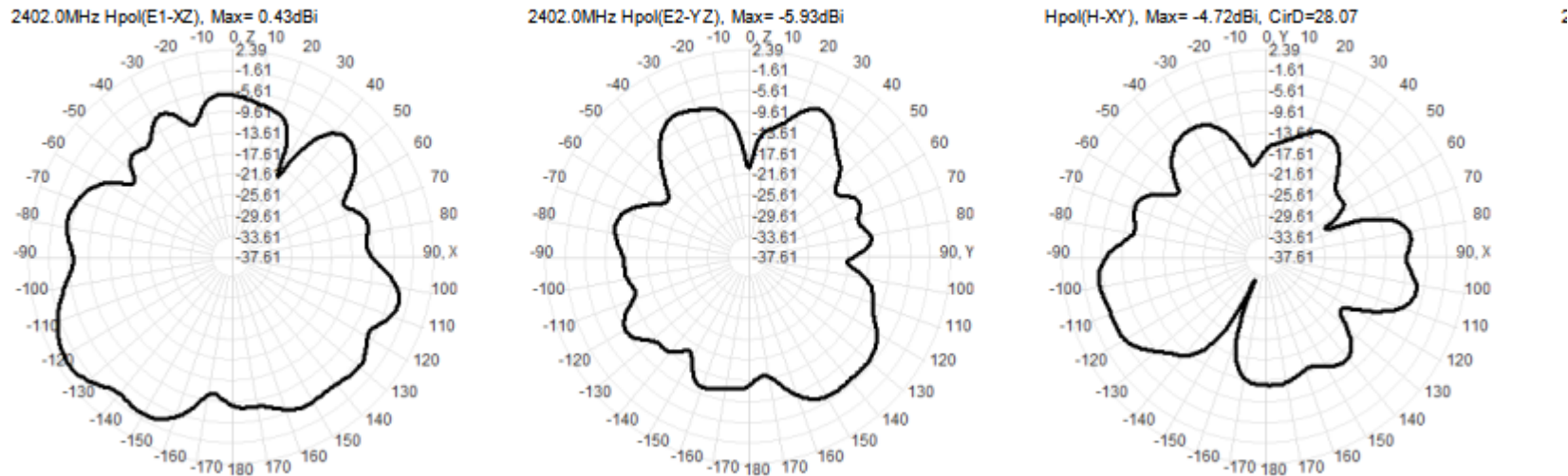
Co-cross polarization field (dBi)

Total field (dBi)

Solid line: vertical polarization

Dash line: horizontal polarization

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



Co-cross polarization field (dBi)

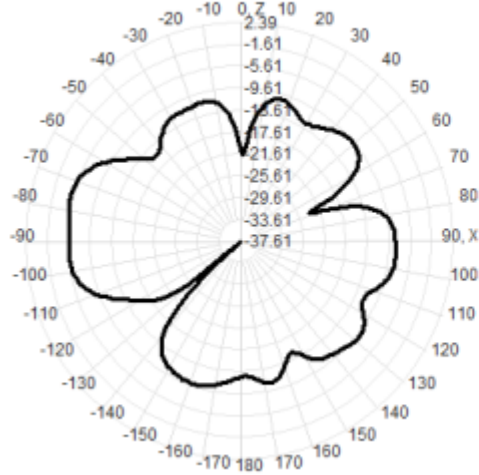
Total field (dBi)

Solid line: vertical polarization

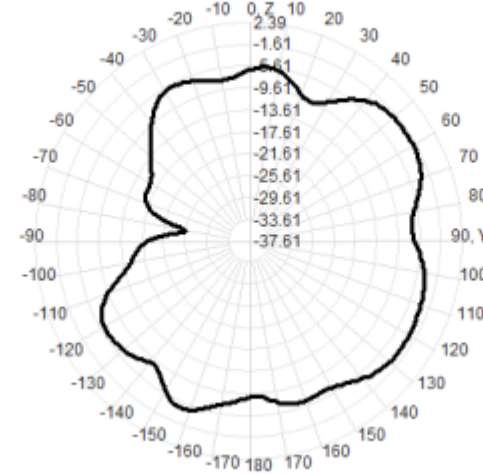
Dash line: horizontal polarization

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

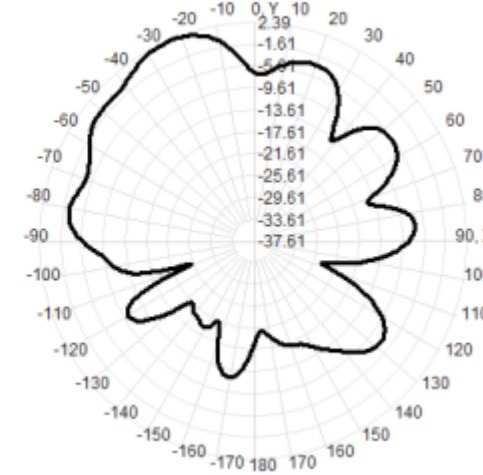
2402.0MHz Vpol(E1-XZ), Max= -4.95dBi



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



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



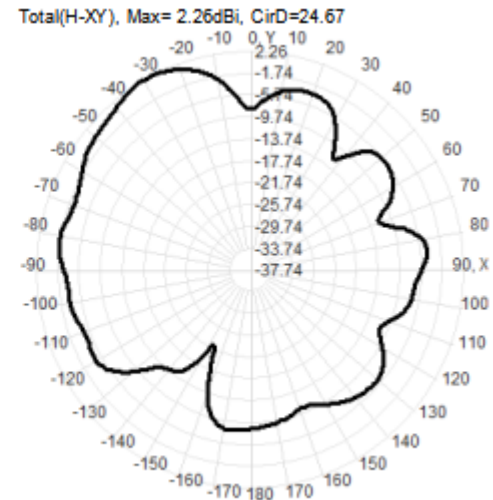
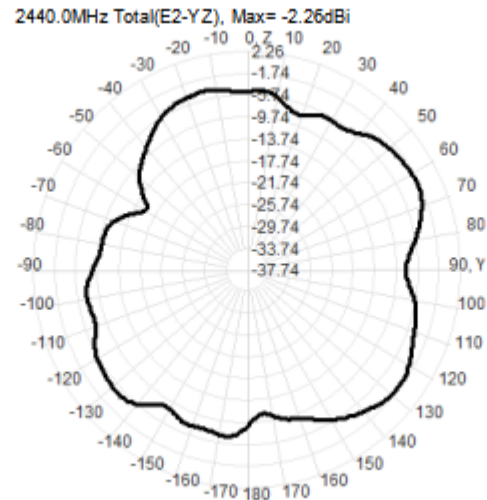
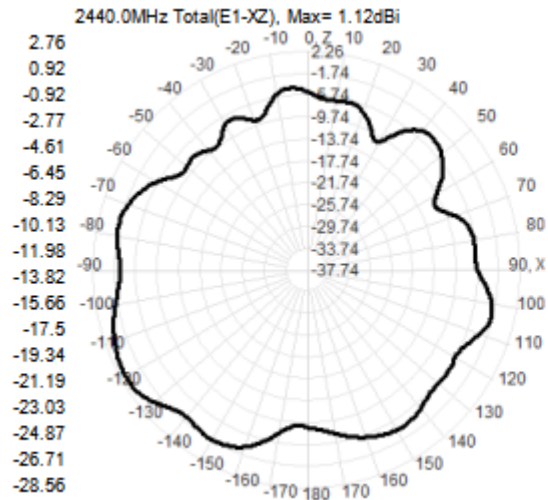
Co-cross polarization field (dBi)

Total field (dBi)

Solid line: vertical polarization

Dash line: horizontal polarization

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



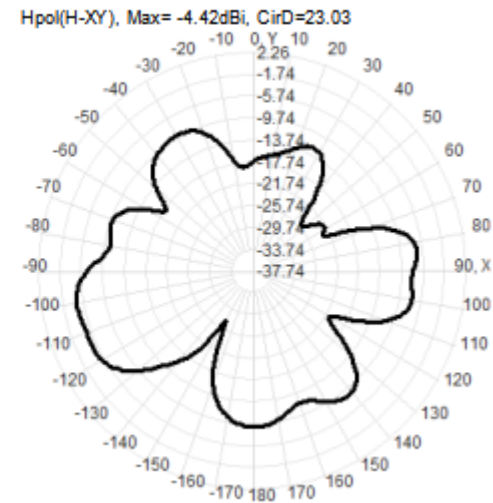
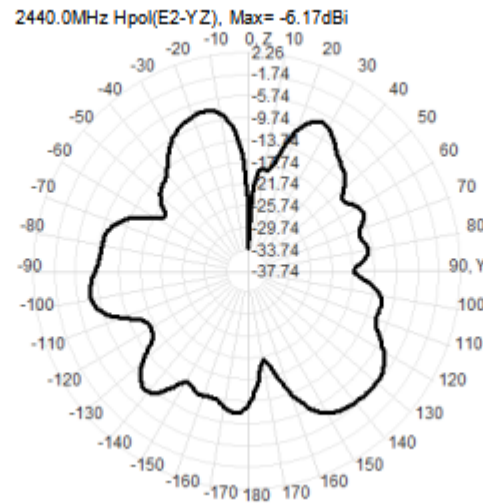
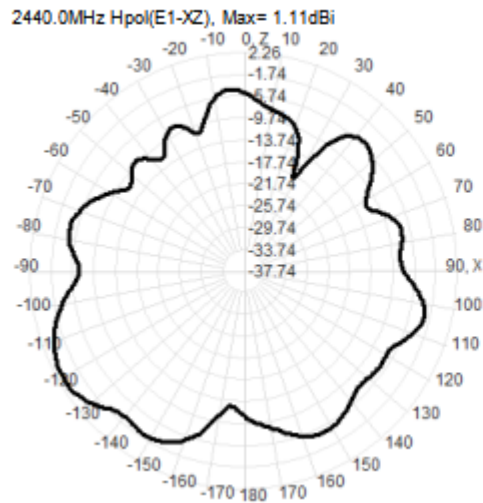
Co-cross polarization field (dBi)

Total field (dBi)

Solid line: vertical polarization

Dash line: horizontal polarization

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



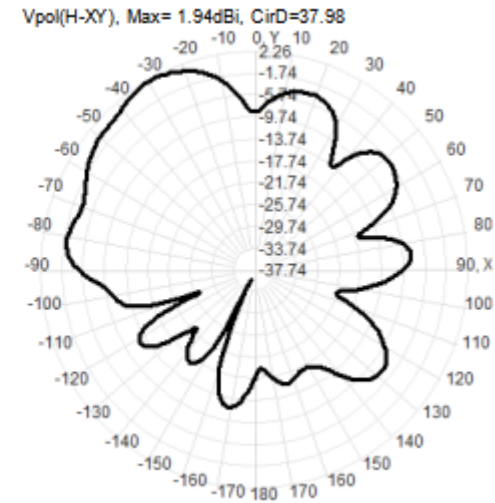
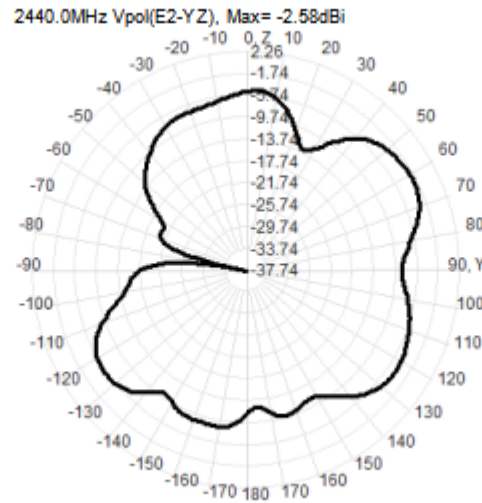
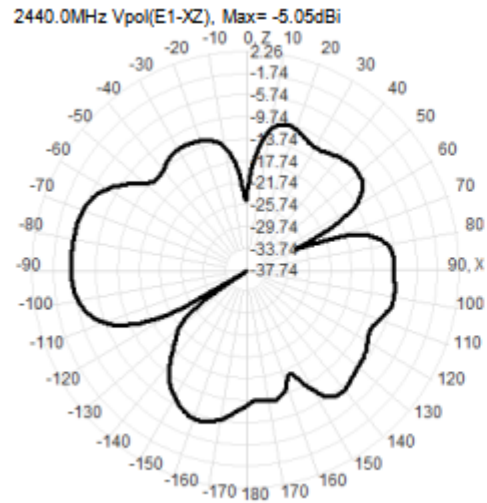
Co-cross polarization field (dBi)

Total field (dBi)

Solid line: vertical polarization

Dash line: horizontal polarization

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



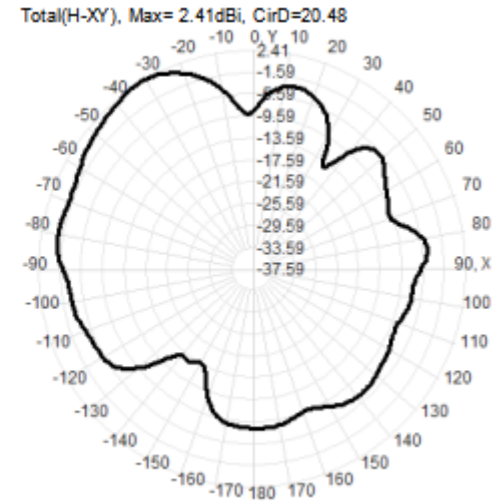
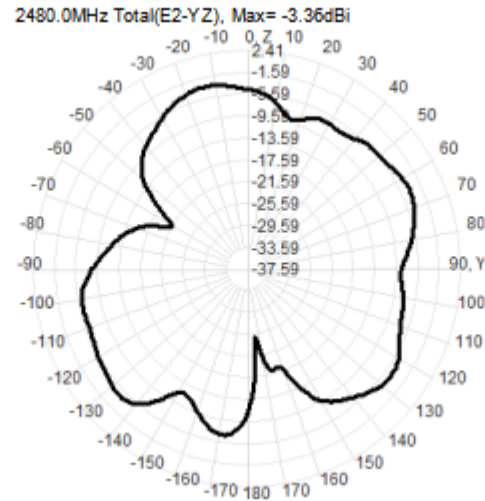
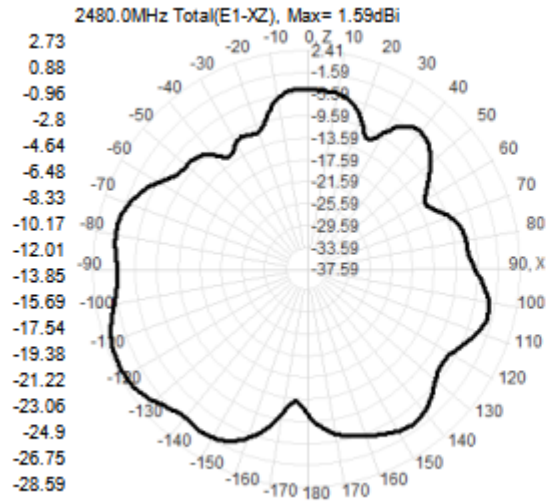
Co-cross polarization field (dBi)

Total field (dBi)

Solid line: vertical polarization

Dash line: horizontal polarization

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



Co-cross polarization field (dBi)

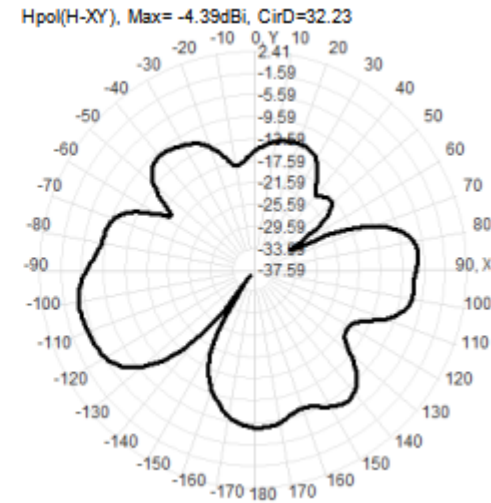
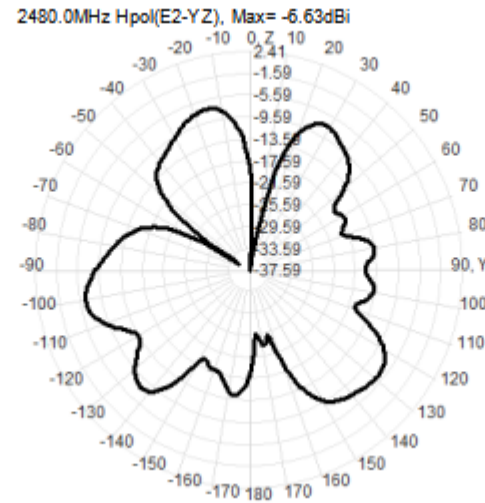
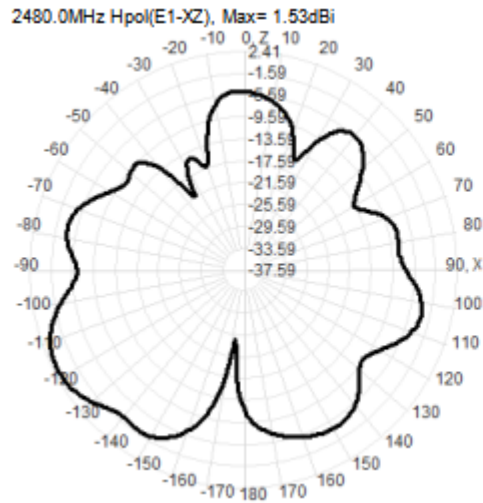
Total field (dBi)

Solid line: vertical polarization

Dash line: horizontal polarization

UCI CENTER FOR RF DESIGN AND CHARACTERIZATION

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

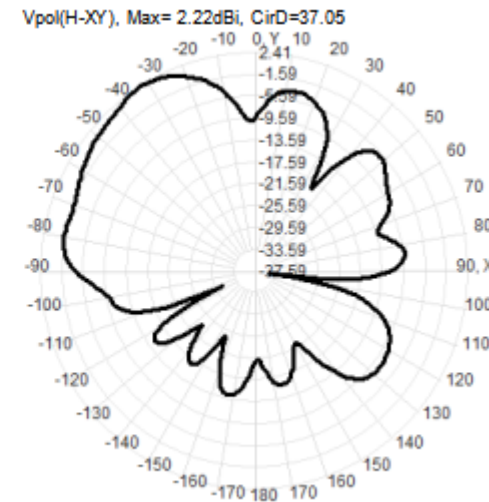
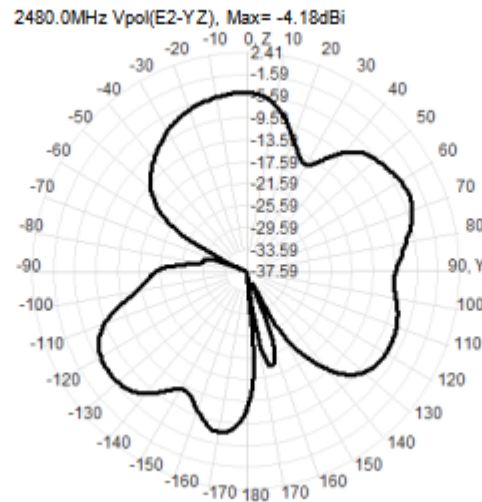
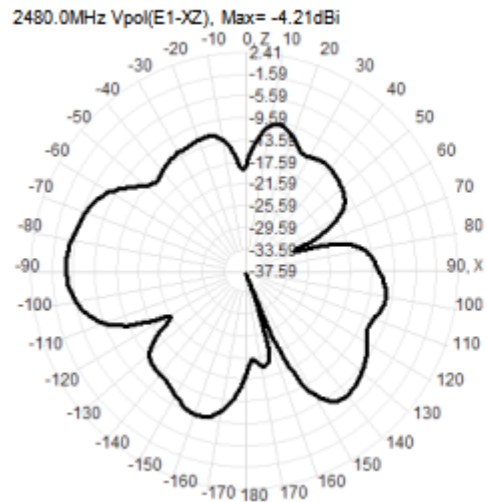


Co-cross polarization field (dBi)

Total field (dBi)

Solid line: vertical polarization

Dash line: horizontal polarization

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

Co-cross polarization field (dBi)

Total field (dBi)

Solid line: vertical polarization

Dash line: horizontal polarization