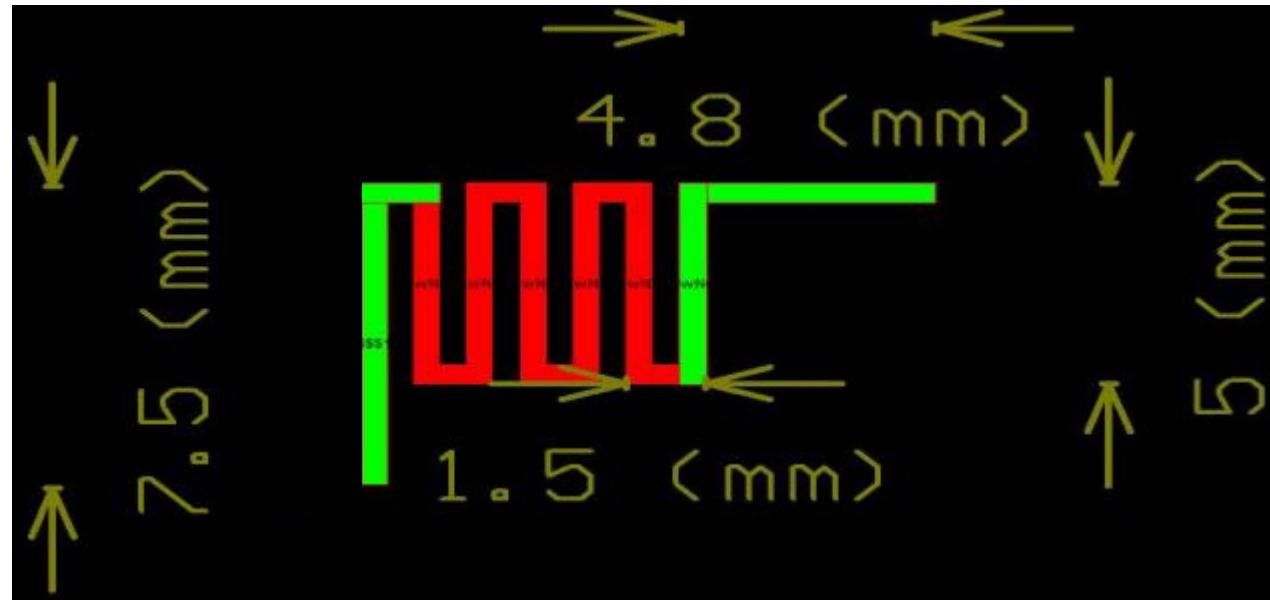


Antenna Specification

Specifications Summary

ITEM	SPEC.	
Model Name	ISM 2.4 GHz	
Center Frequency	2. 402GHz 2. 440GHz 2. 480GHz	2.94 dBi 2.76 dBi 2.73 dBi
MAX. GAIN	2.94 dBi	
Polarization	Horizontal	
Azimuth Beam Pattern	Omni- directional	
Impedance	50 Ω	
Antenna Length	41 mm	

Antenna Photo & Length

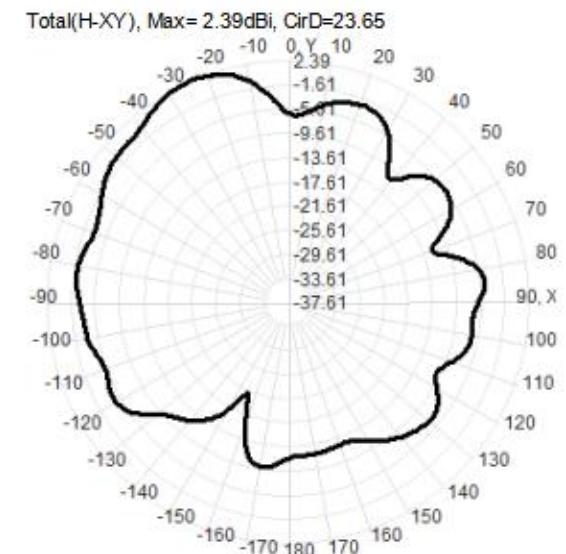
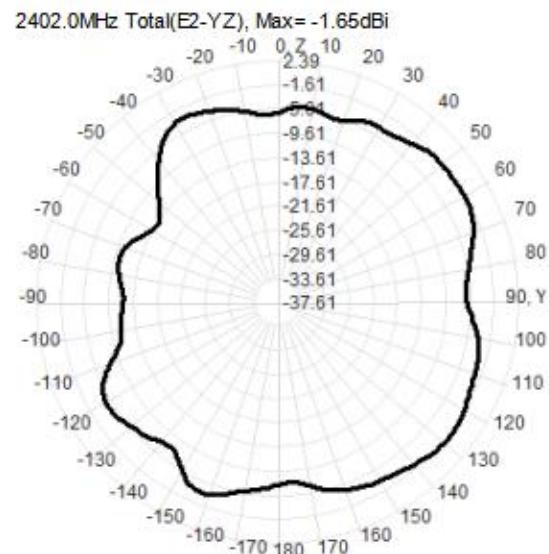
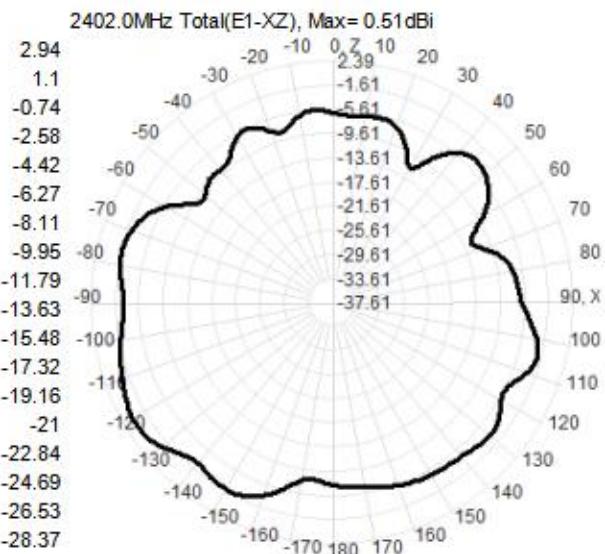


model X87

manufacturer Jiangxi Jichi Technology Co., Ltd

Manufacturer's address PlantNo. 3, BlockB13-1-2, B14-1, Jinggangshan Economic and Development Zone, Jinchang City, Jiangxi Province

Radiation pattern: Antenna 1 . XZ Plane at f = 2 .402GHz



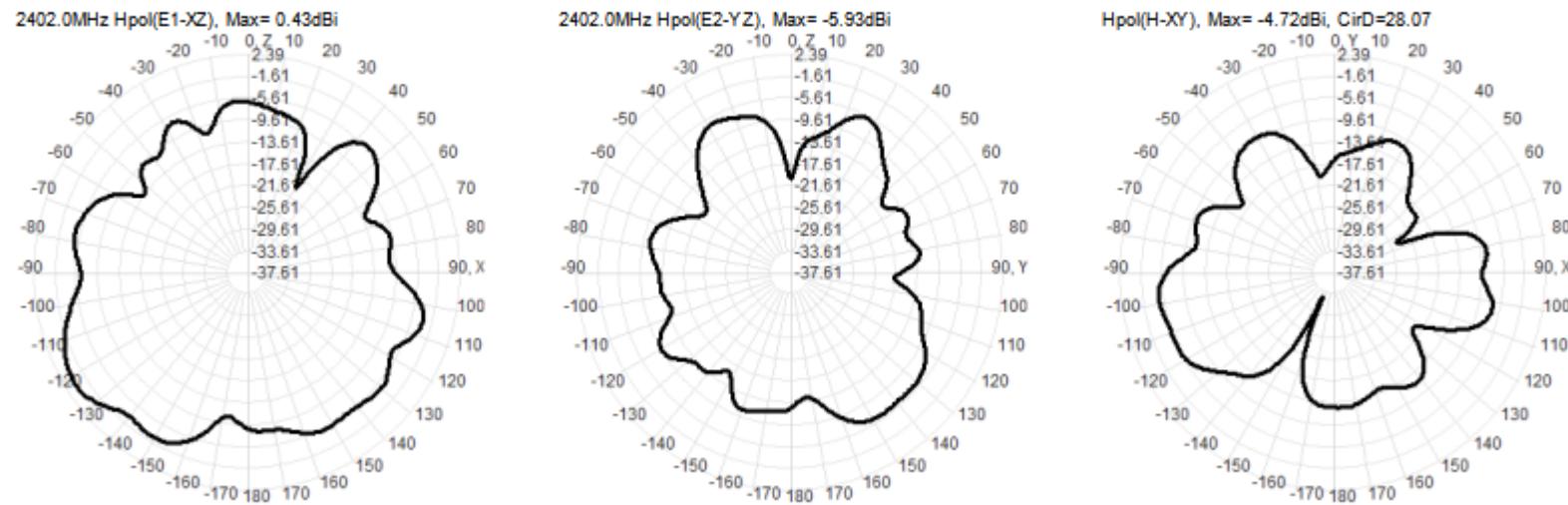
Co-cross polarization field (dBi)

Total field (dBi)

Solid line: vertical polarization

Dash line: horizontal polarization

Radiation pattern: Antenna 1 . XZ Plane at f = 2 .402GHz



Co-cross polarization field (dBi)

Solid line: vertical polarization

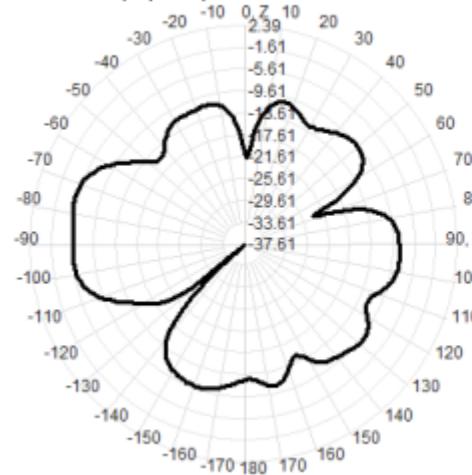
Dash line: horizontal polarization

Total field (dBi)

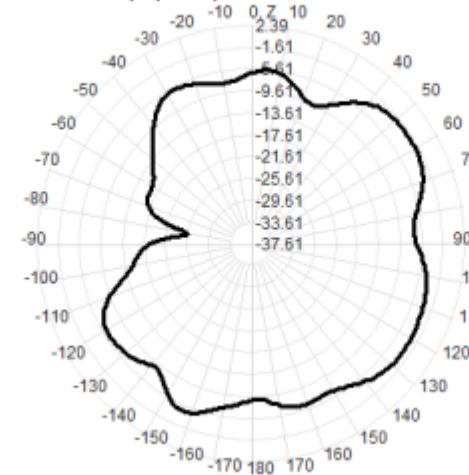
UCI CENTER FOR RF DESIGN AND CHARACTERIZATION

Radiation pattern: Antenna 1 . XZ Plane at f = 2 .402GHz

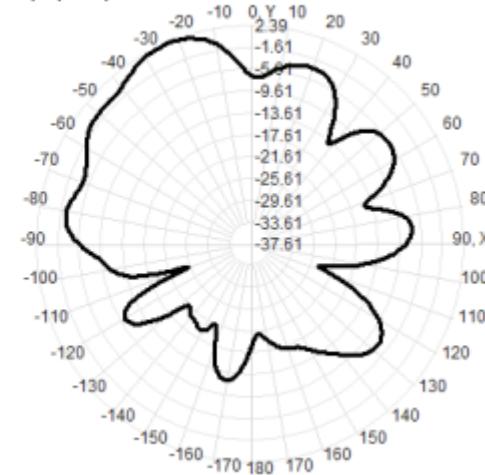
2402.0MHz Vpol(E1-XZ), Max= -4.95dBi



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



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



Co-cross polarization field (dBi)

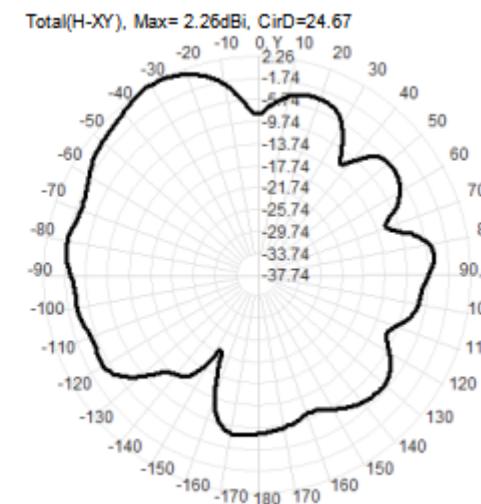
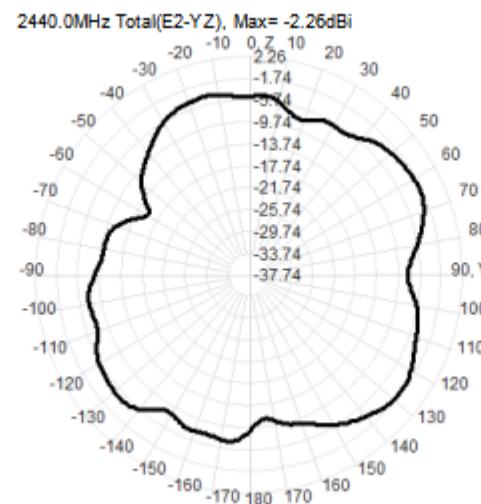
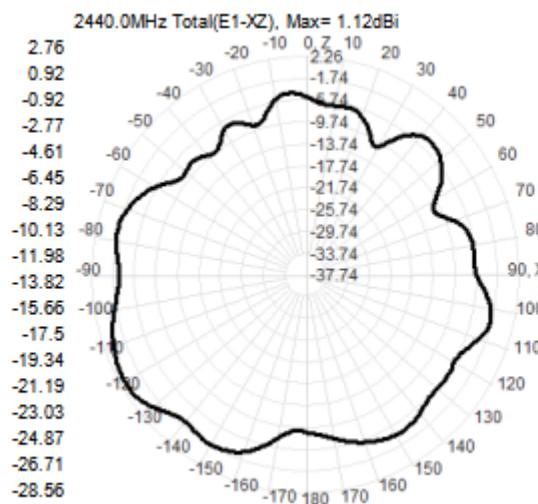
Solid line: vertical polarization

Dash line: horizontal polarization

Total field (dBi)

UCI CENTER FOR RF DESIGN AND CHARACTERIZATION

Radiation pattern: Antenna 1 . XZ Plane at f = 2 .440GHz



Co-cross polarization field (dBi)

Solid line: vertical polarization

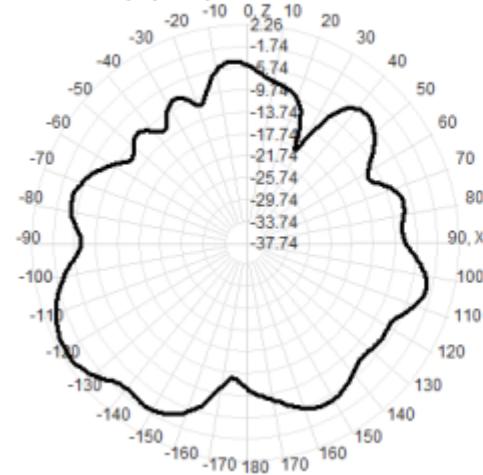
Dash line: horizontal polarization

Total field (dBi)

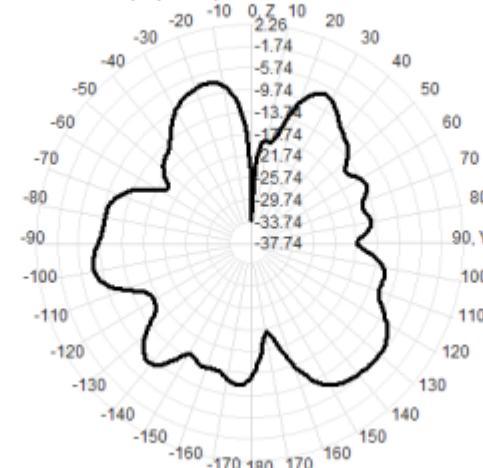
UCI CENTER FOR RF DESIGN AND CHARACTERIZATION

Radiation pattern: Antenna 1 . XZ Plane at f = 2 .440GHz

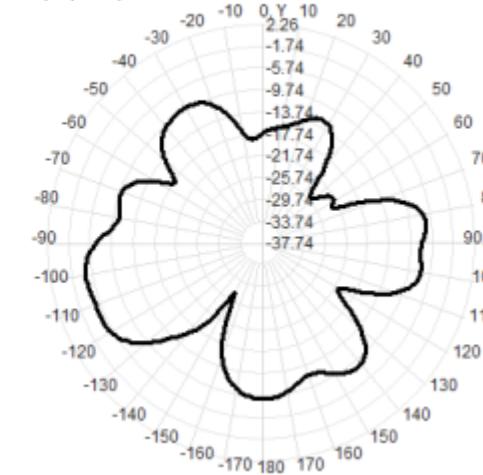
2440.0MHz Hpol(E1-XZ), Max= 1.11dBi



2440.0MHz Hpol(E2-YZ), Max= -6.17dBi



Hpol(H-XY), Max= -4.42dBi, CirD=23.03



Co-cross polarization field (dBi)

Solid line: vertical polarization

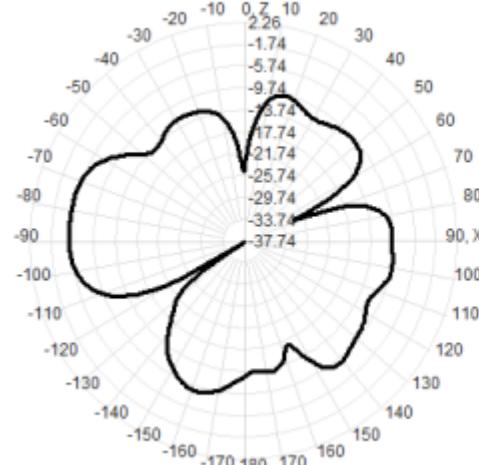
Dash line: horizontal polarization

Total field (dBi)

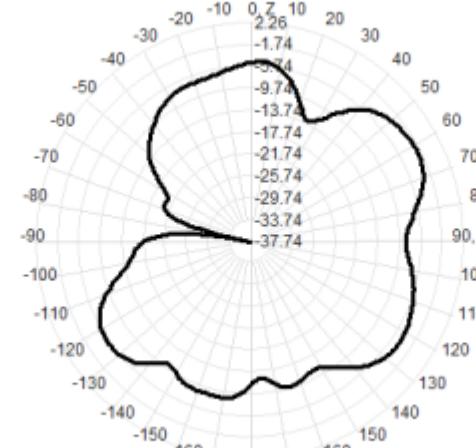
UCI CENTER FOR RF DESIGN AND CHARACTERIZATION

Radiation pattern: Antenna 1 . XZ Plane at f = 2 .440GHz

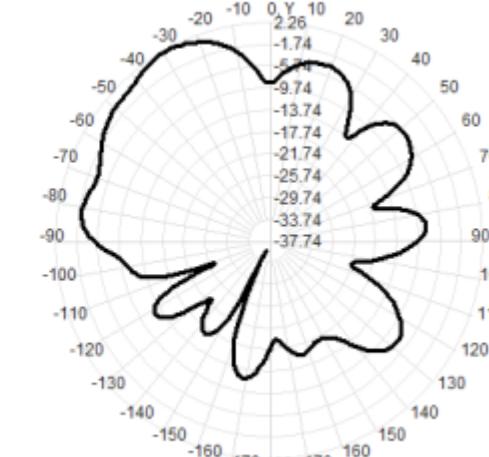
2440.0MHz Vpol(E1-XZ), Max= -5.05dBi



2440.0MHz Vpol(E2-YZ), Max= -2.58dBi



Vpol(H-XY), Max= 1.94dBi, CirD=37.98



Co-cross polarization field (dBi)

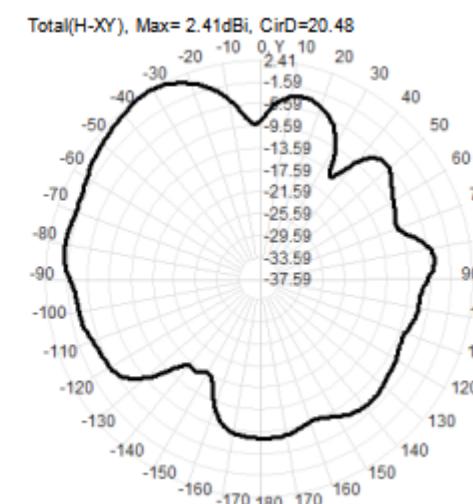
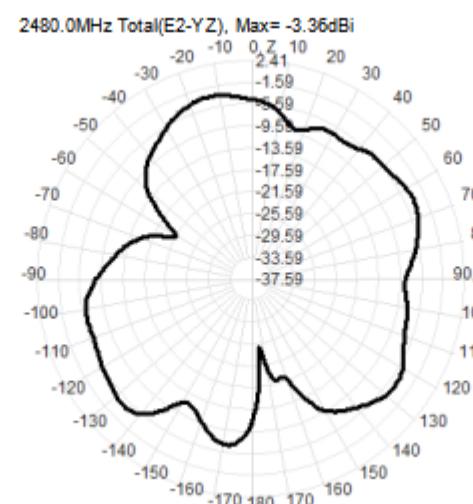
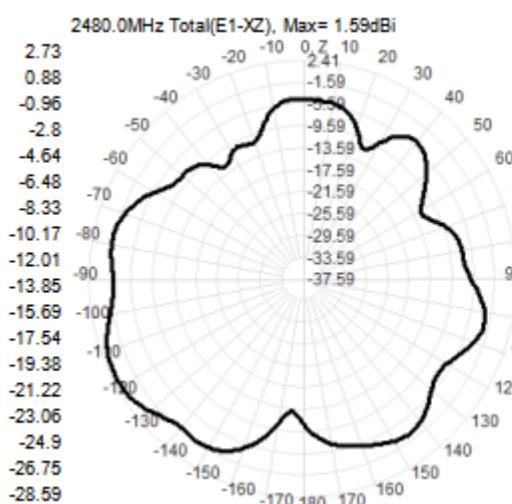
Solid line: vertical polarization

Dash line: horizontal polarization

Total field (dBi)

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Radiation pattern: Antenna 1 . XZ Plane at f = 2 .480GHz



Co-cross polarization field (dBi)

Solid line: vertical polarization

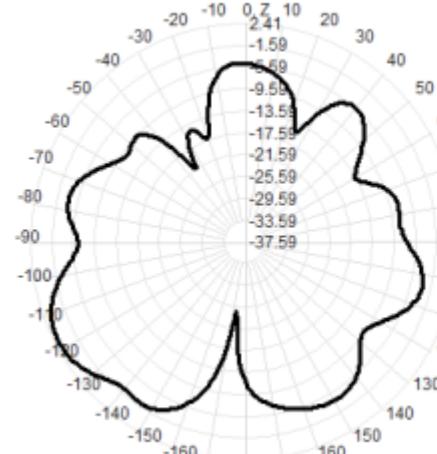
Dash line: horizontal polarization

Total field (dBi)

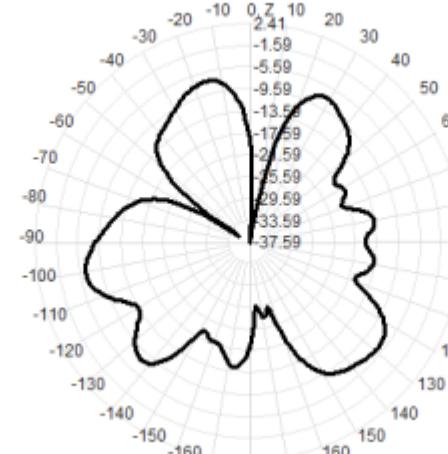
UCI CENTER FOR RF DESIGN AND CHARACTERIZATION

Radiation pattern: Antenna 1 . XZ Plane at f = 2 .480GHz

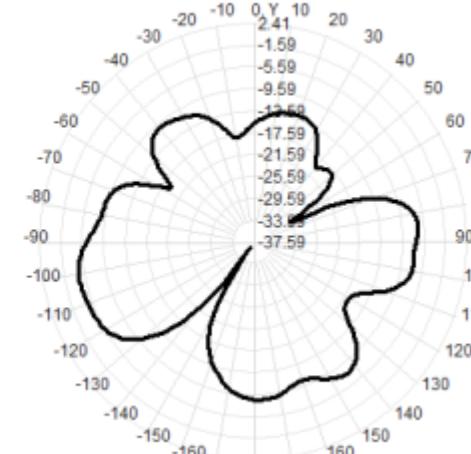
2480.0MHz Hpol(E1-XZ), Max= 1.53dBi



2480.0MHz Hpol(E2-YZ), Max= -6.63dBi



Hpol(H-XY), Max= -4.39dBi, CirD=32.23



Co-cross polarization field (dBi)

Solid line: vertical polarization

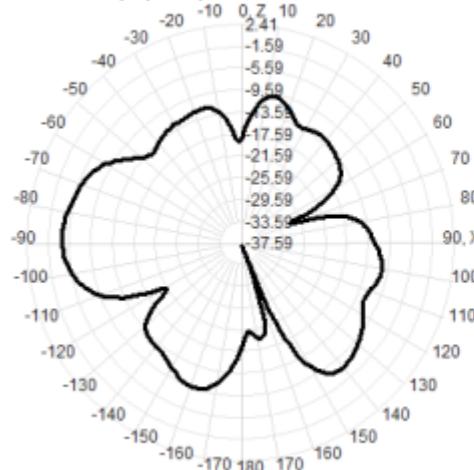
Dash line: horizontal polarization

Total field (dBi)

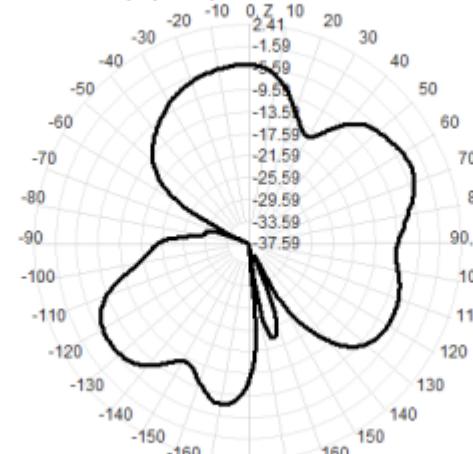
UCI CENTER FOR RF DESIGN AND CHARACTERIZATION

Radiation pattern: Antenna 1 . XZ Plane at f = 2 .480GHz

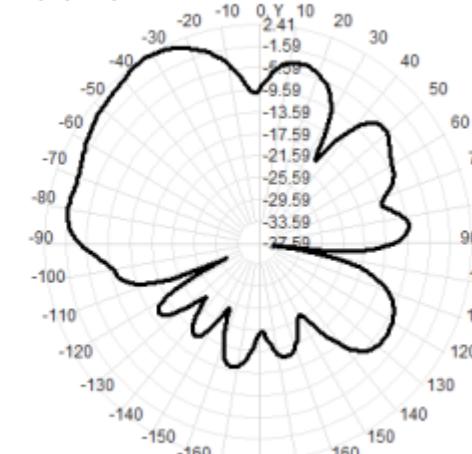
2480.0MHz Vpol(E1-XZ), Max= -4.21dBi



2480.0MHz Vpol(E2-YZ), Max= -4.18dBi



Vpol(H-XY), Max= 2.22dBi, CirD=37.05



Co-cross polarization field (dBi)

Solid line: vertical polarization

Dash line: horizontal polarization

Total field (dBi)

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二、调试后天线 S11 驻波比:



三、调试后 OTA 无源数据

Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Gain (dBi)	2.94	2.98	2.80	2.83	2.76	2.71	2.65	2.67	2.73	2.75	2.64
Efficiency (%)	40.18	40.82	40.42	40.53	39.53	38.85	37.99	37.24	37.44	37.09	36.28