380-470 MHz 2-Element Folded Dipole Array Antenna 3-6 dBd 300W

Specifications

Model	**AD2-380470-3-300**
Frequency (continuous)	380-470 MHz
Gain	3-6 dBd
Impedance	50 ohms
VSWR	< 1.5:1
Polarization	Vertical
Maximum input power	300 W
Vertical beamwidth	35°
Connector	N-Male or 7-16 DIN (opt.) on harness feed cable
Dimensions (H x D) (max)	1560×440 mm
Weight (antenna + clamps)	7 kg
Rated Wind Velocity	216 km/h
Mounting	On 50-60 mm dia. mast tube
Operating Temperature	-40°C to +70°C
Lightning protection	DC Ground

Applications

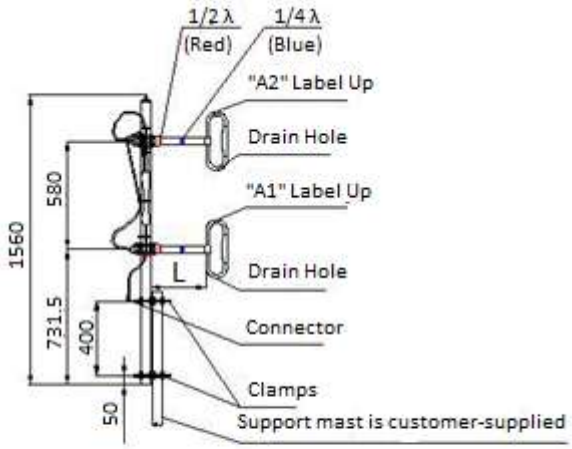
- UHF Band TETRA Communications
- Wireless Paging System
- Wireless Data transmission system
- Wireless Video System

Features

- Broad Band, Low VSWR
- Medium Gain
- 2-element dipole array antennas
- 300W High Power
- Pattern Adjustable Offset circular, cardioids, or bidirectional

Note:
Main mast and bracket are included.

Installation Sketch

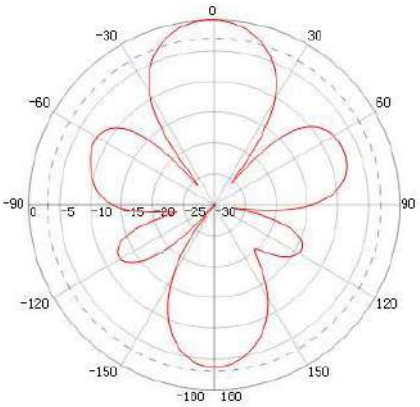
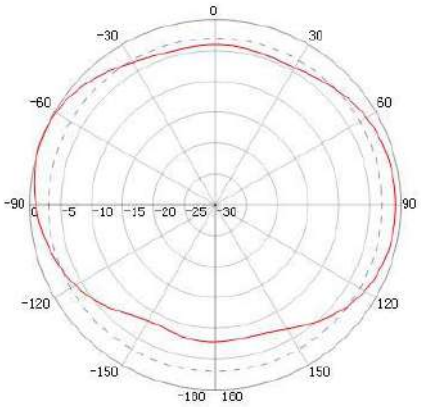
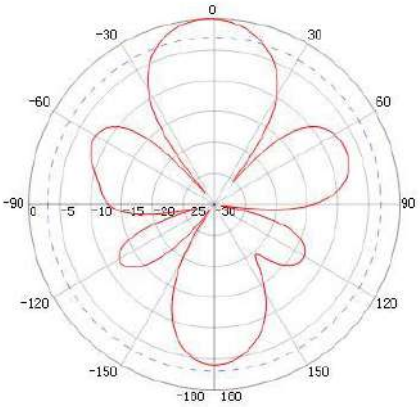
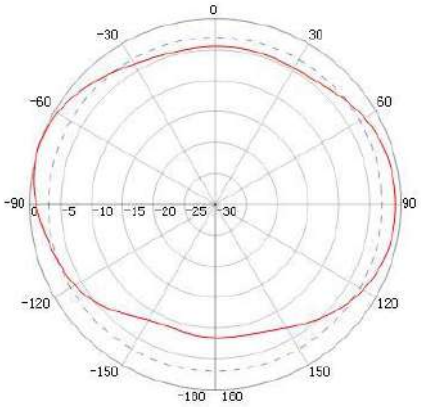
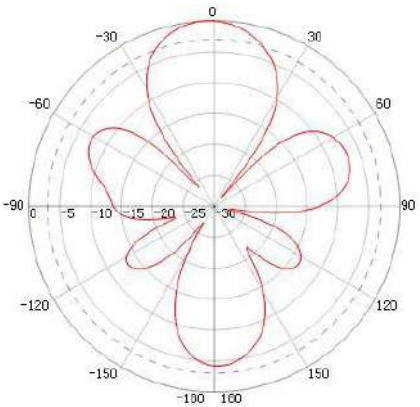
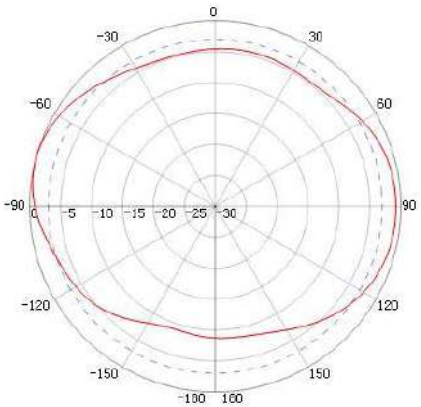
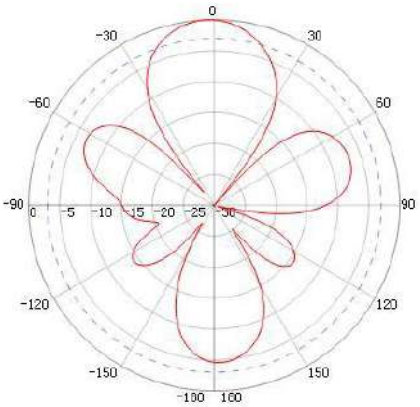
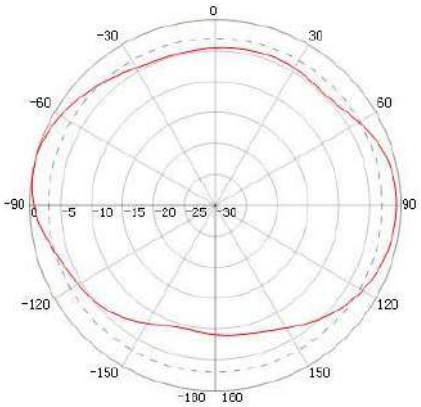


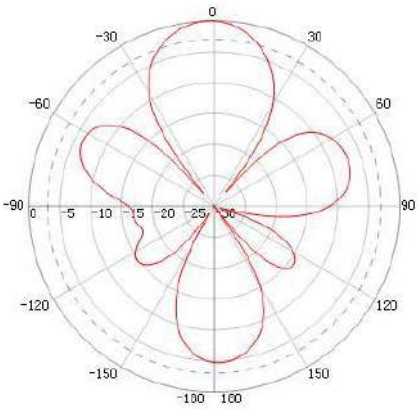
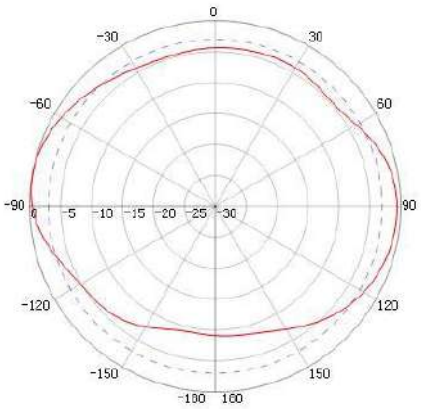
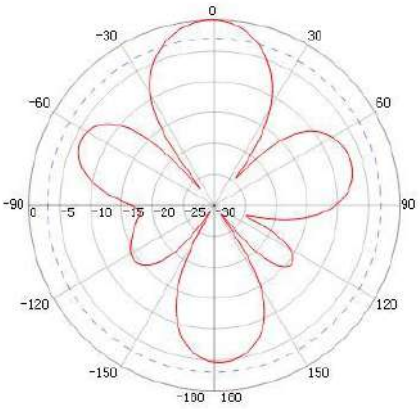
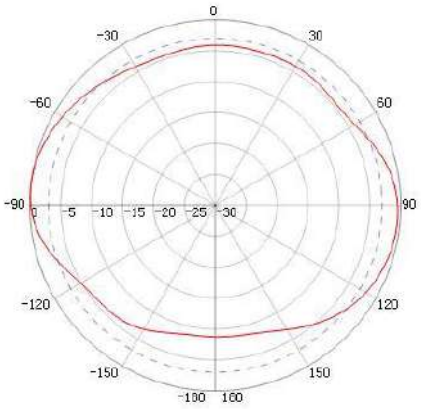
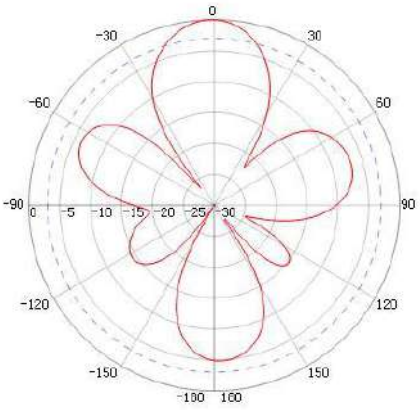
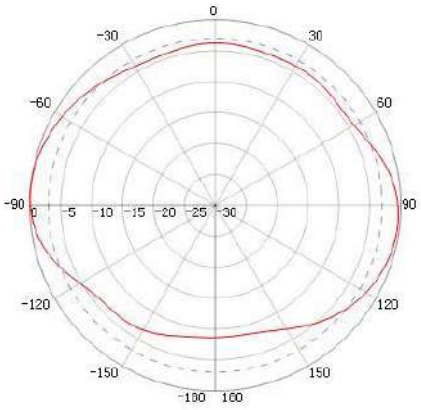
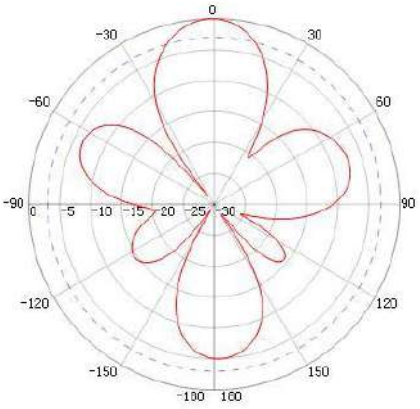
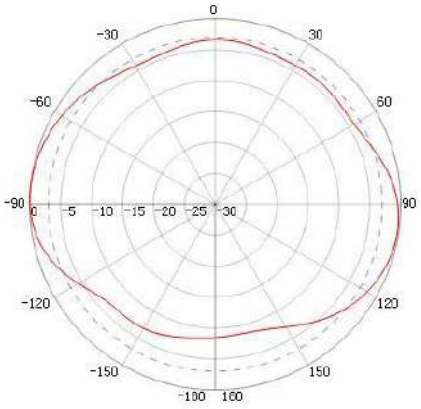
1/4λ L=174±10 mm (spacing from tower)	H-Plane gain 6.1 dBd
1/2λ L=300±10 mm (spacing from tower)	H-Plane gain 6.1 dBd

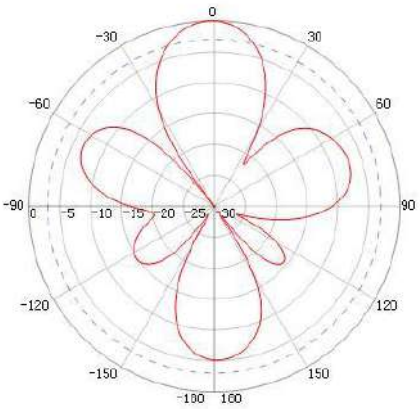
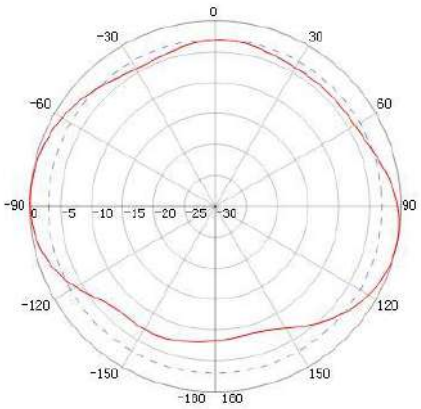
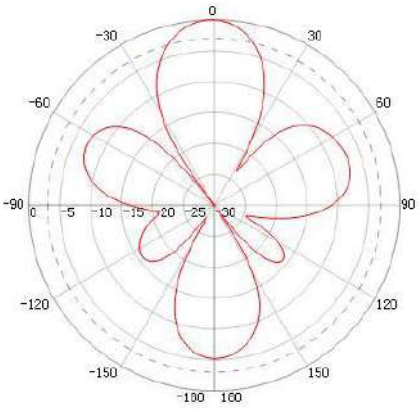
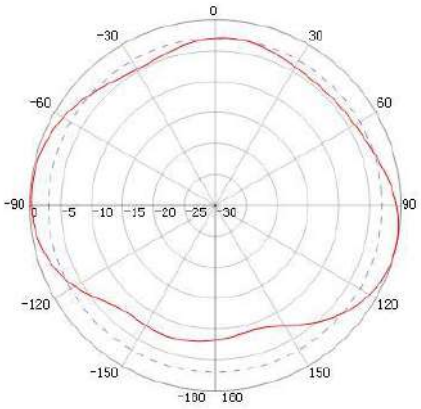
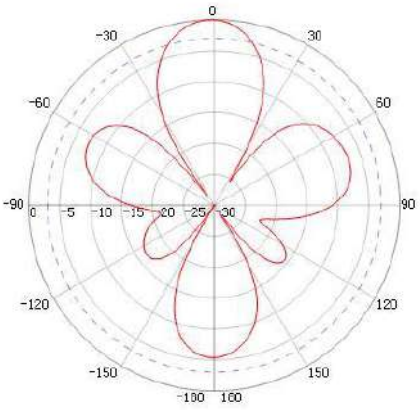
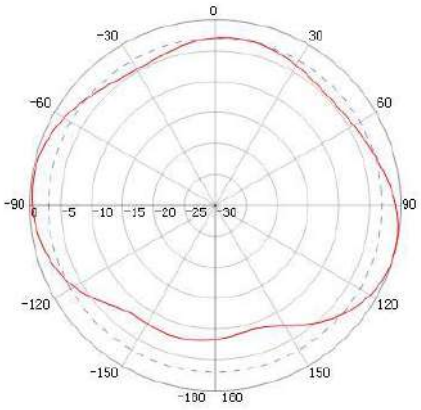
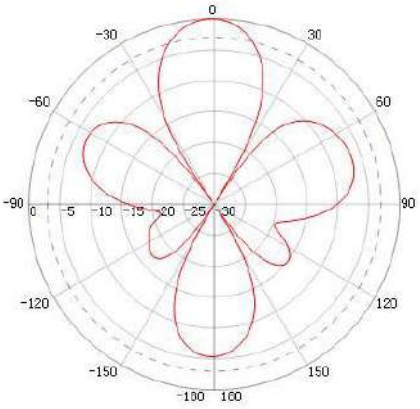
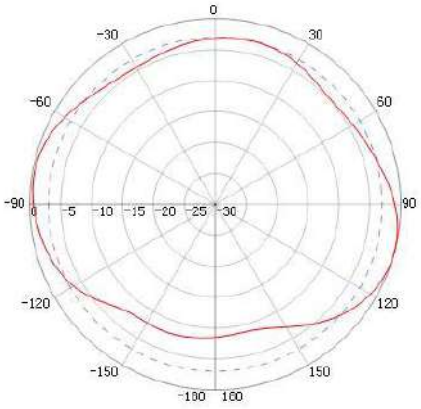
Order Information:

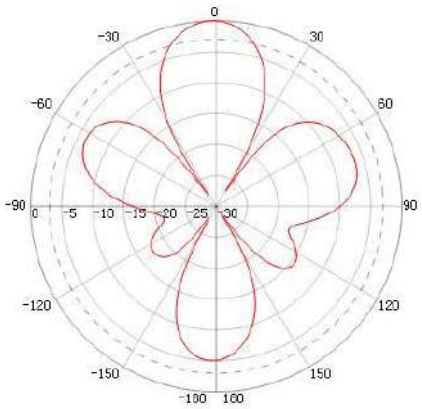
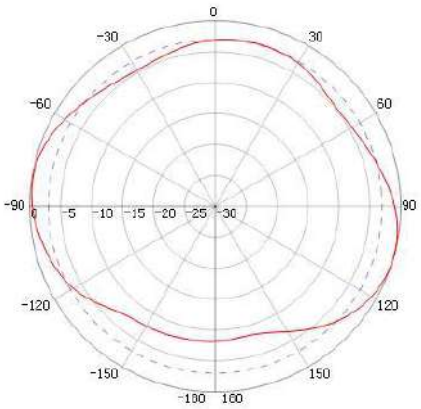
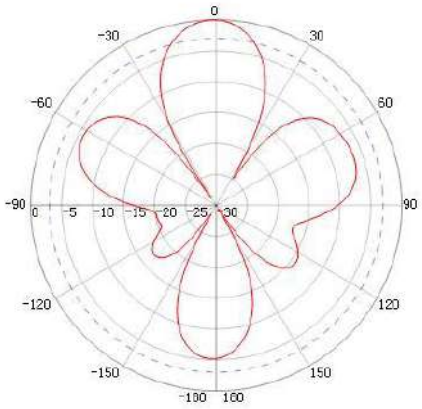
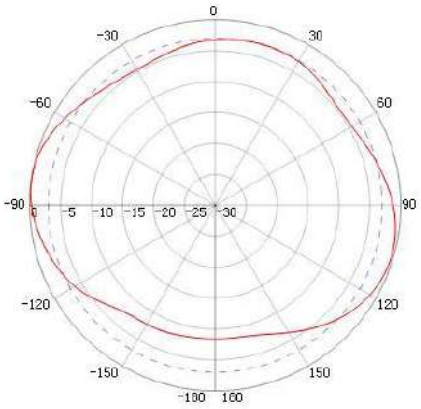
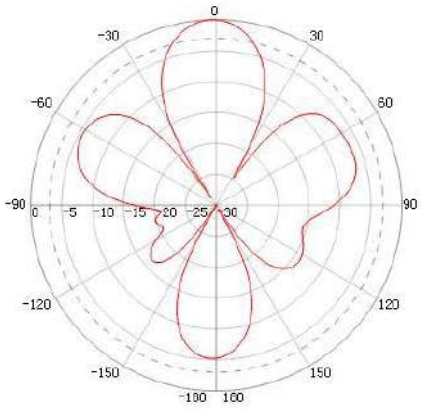
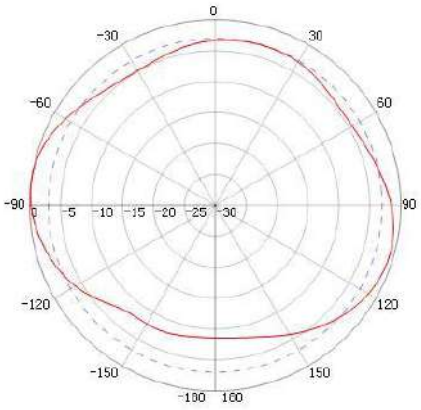
AD2-380470-3-300-NF	2-Element Dipole Antenna 380-470 MHz, 3-6 dBd, 300W with N-female connector
AD2-380470-3-300-DIN	2-Element Dipole Antenna 380-470 MHz, 3-6 dBd, 300W with 7-16 DIN female connector

E-plane and H-plane radiation patterns 1/2λ

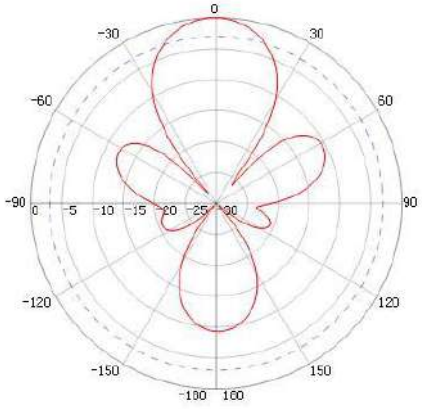
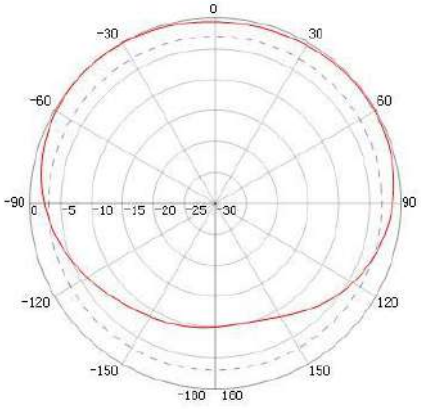
Freq	E Pattern	H Pattern
400 MHz		
405 MHz		
410 MHz		
415 MHz		

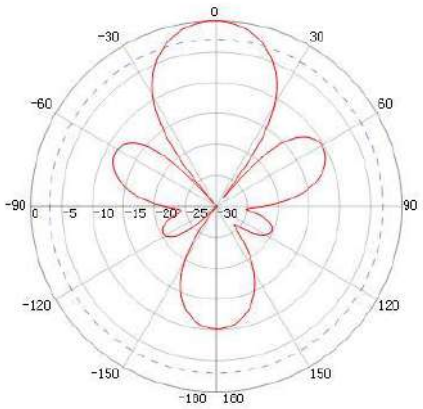
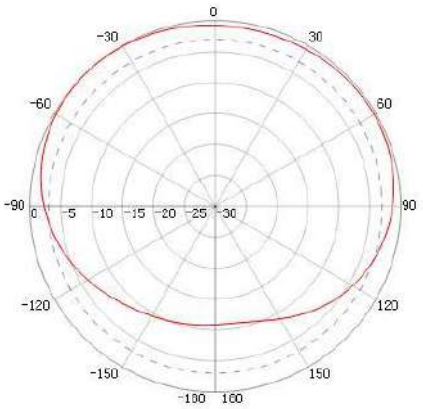
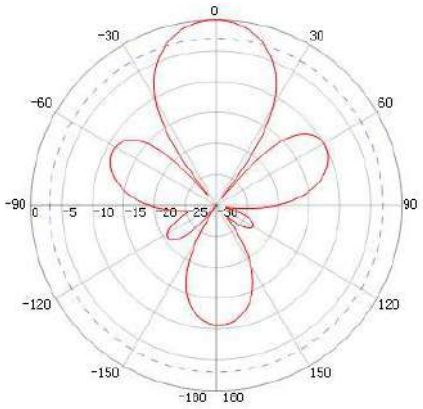
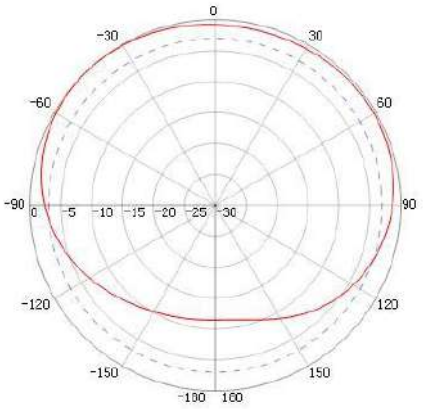
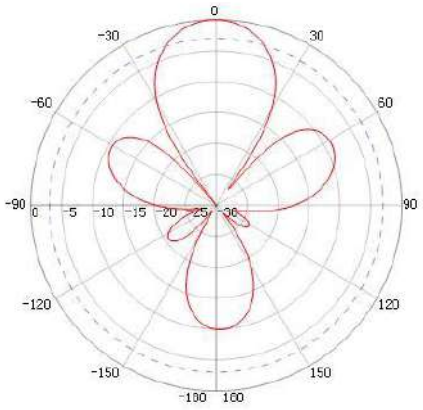
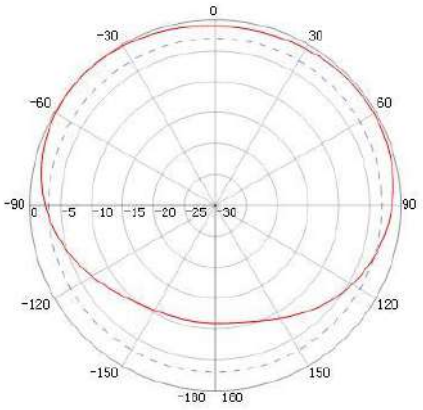
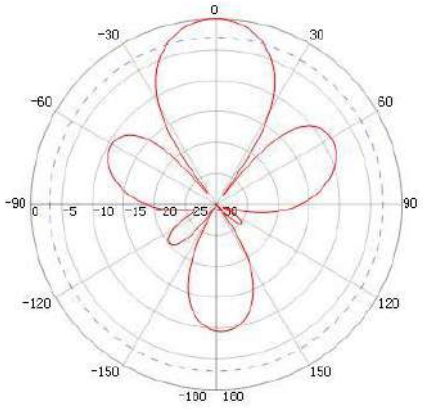
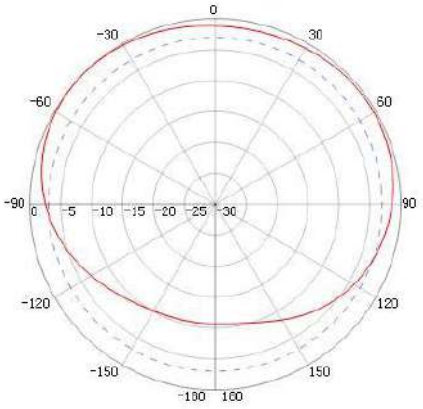
420 MHz		
425 MHz		
430 MHz		
435 MHz		

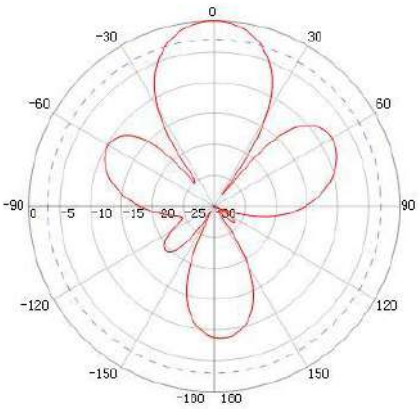
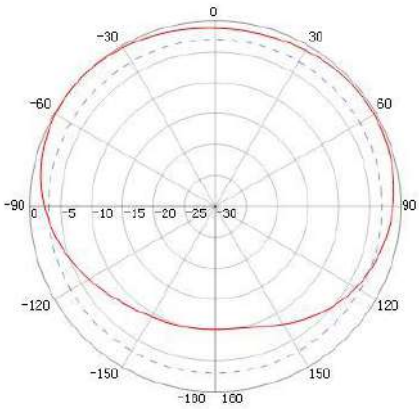
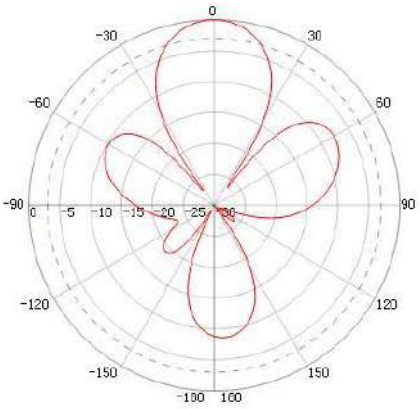
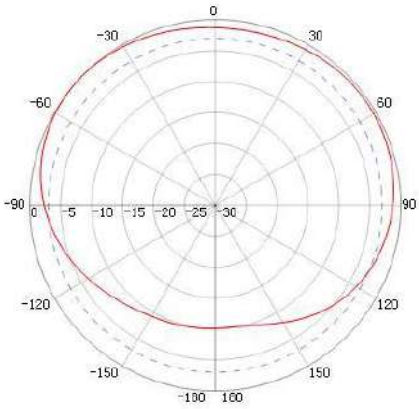
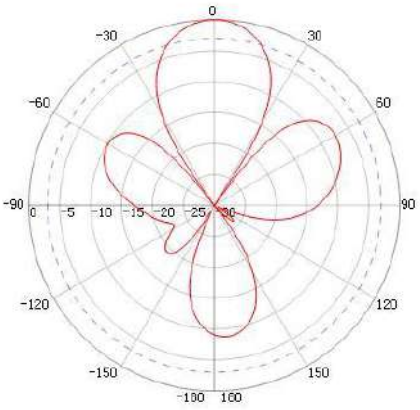
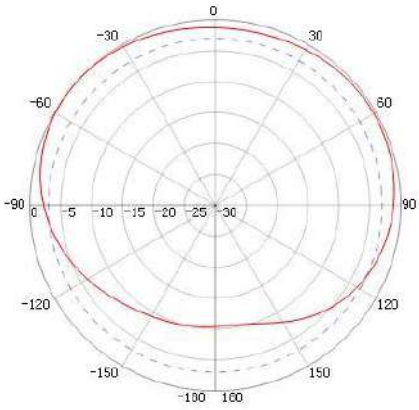
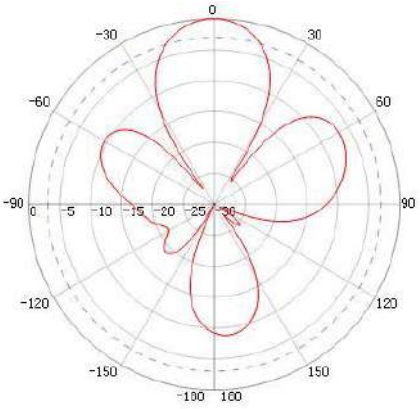
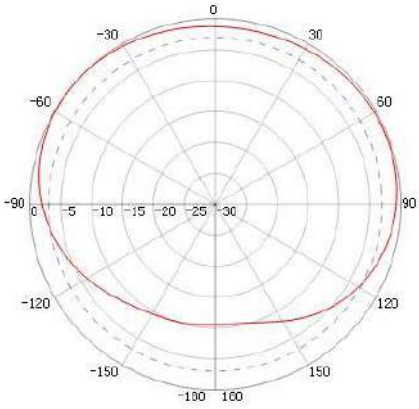
440 MHz		
445 MHz		
450 MHz		
455 MHz		

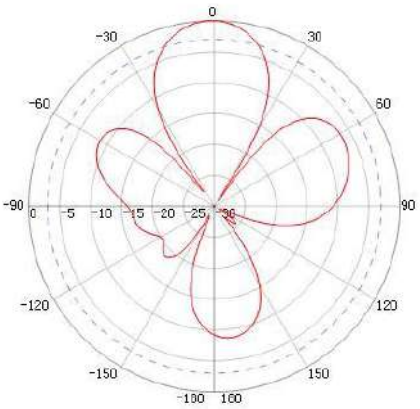
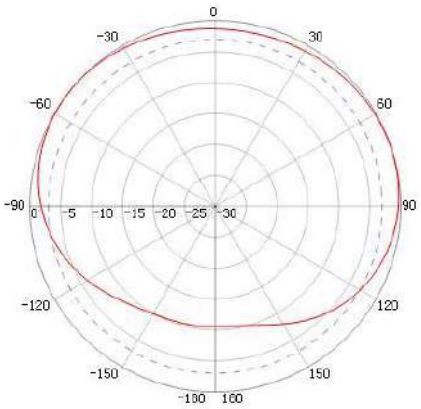
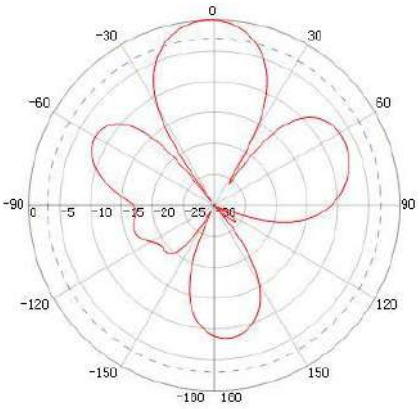
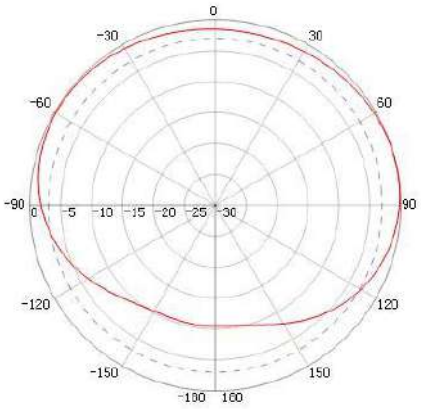
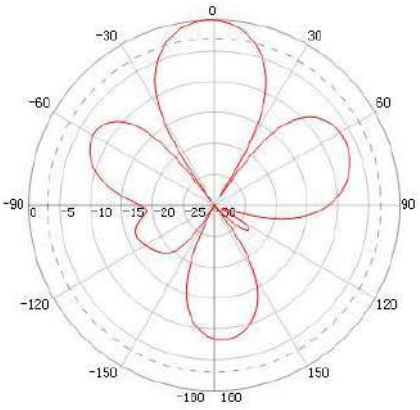
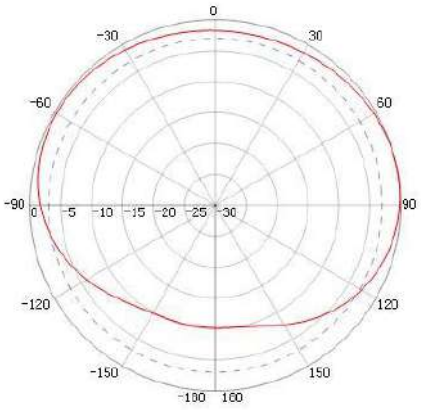
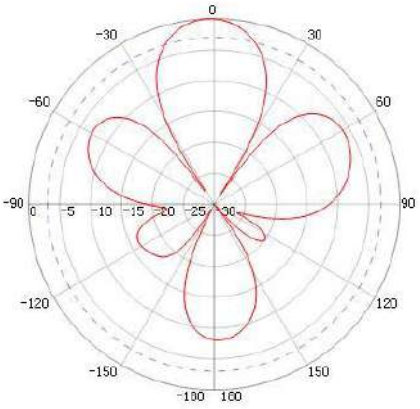
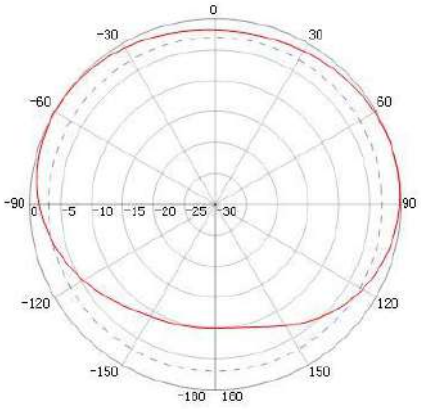
460 MHz		
465 MHz		
470 MHz		

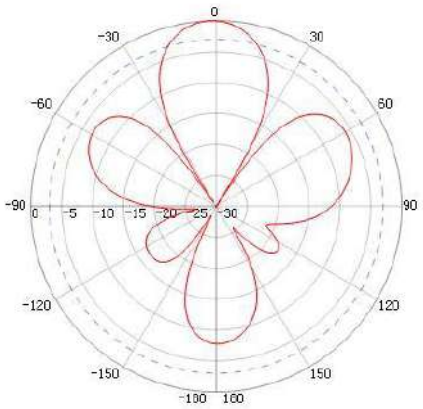
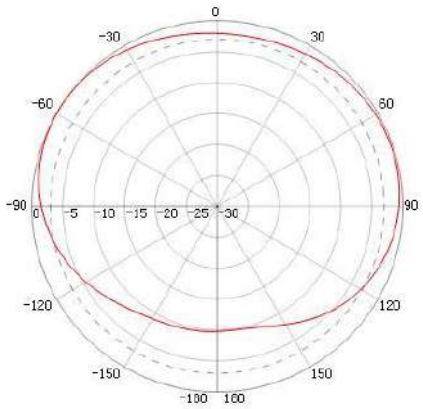
E-plane and H-plane radiation patterns 1/4λ

Freq	E Pattern	H Pattern
400 MHz		

405 MHz		
410 MHz		
415 MHz		
420 MHz		

425 MHz		
430 MHz		
435 MHz		
440 MHz		

445 MHz		
450 MHz		
455 MHz		
460 MHz		

465 MHz		
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