

400-470 MHz 2-Element Folded Dipole Array Antenna 3-6 dBd 300W



Specifications

Model	AD2-400470-3-300
Frequency (continuous)	400-470 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

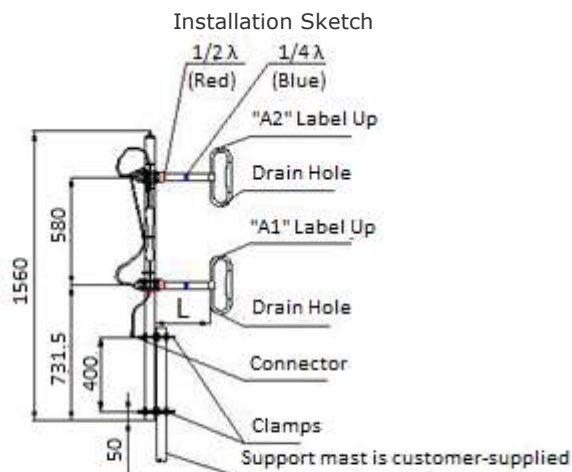
- UHF Band TETRA Communications
- Wireless Paging System
- Wireless Data transmission system
- Wireless Video System

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.



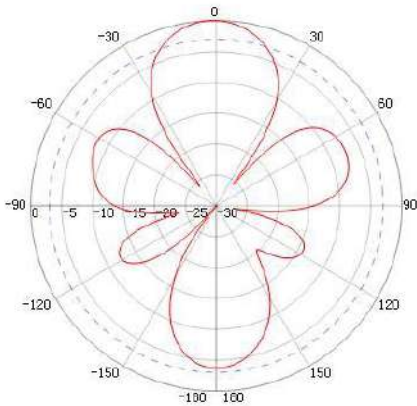
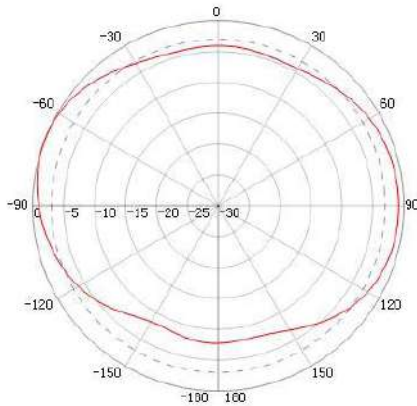
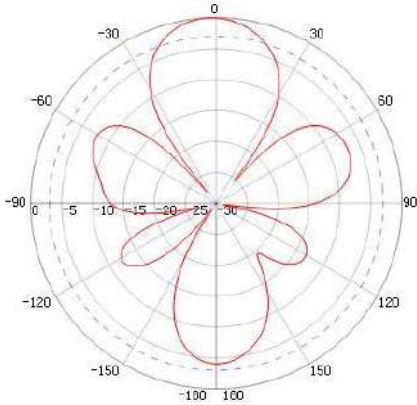
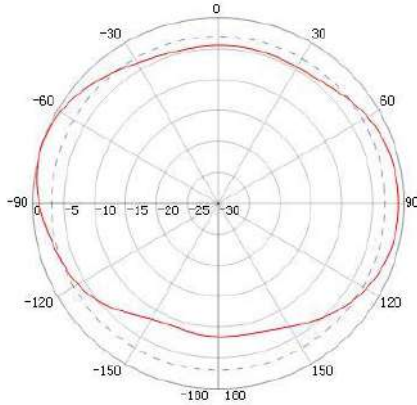
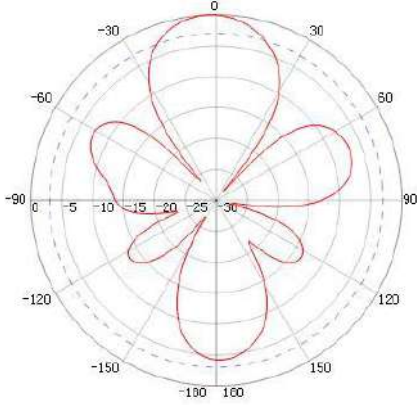
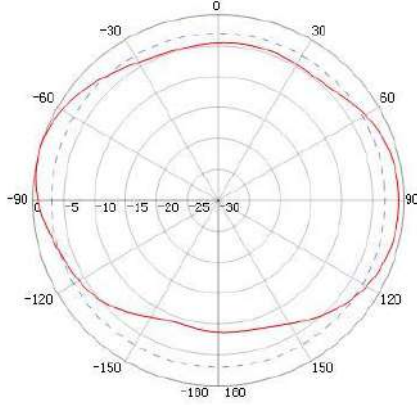
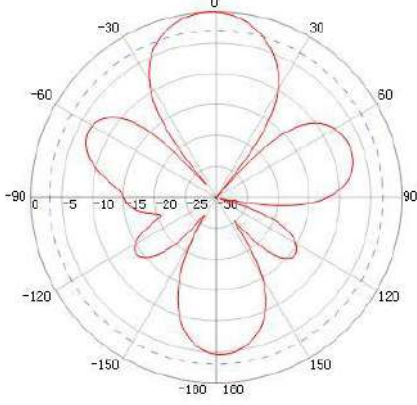
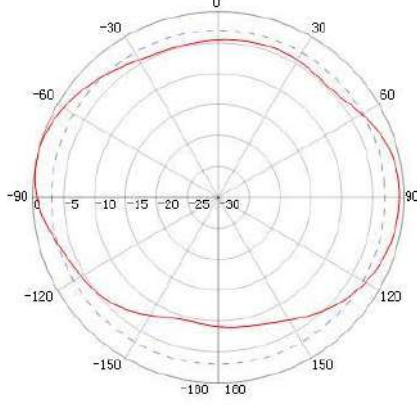
1/4 λ L=174 ± 10 mm (spacing from tower)	H-Plane gain 6.1 dBd
1/2 λ L=300 ± 10 mm (spacing from tower)	H-Plane gain 6.1 dBd

Order Information:

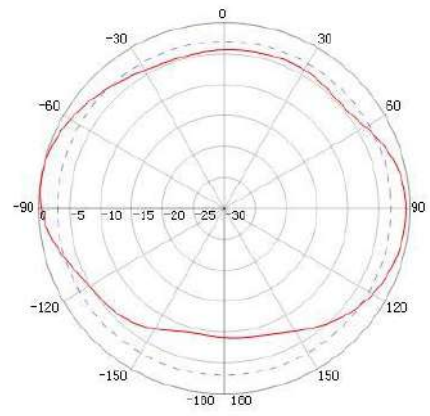
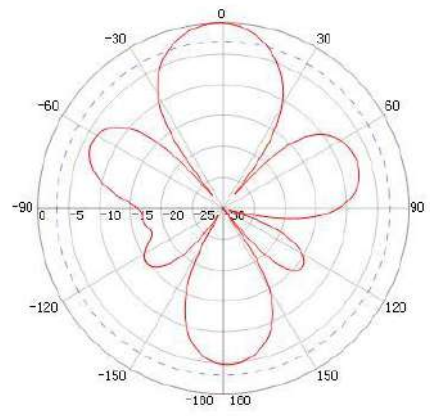
AD2-400470-3-300-NF
AD2-400470-3-300-DIN

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

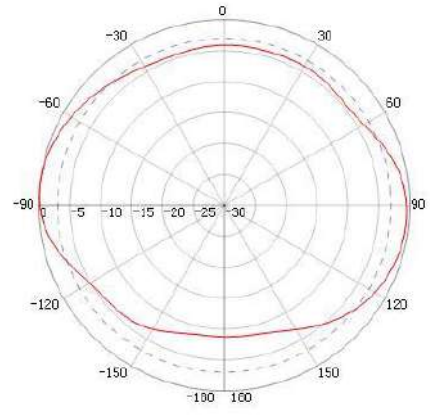
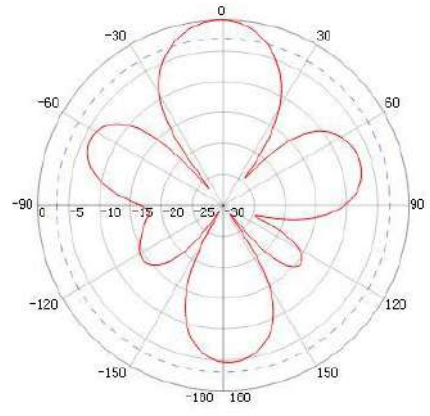
E-plane and H-plane radiation patterns 1/2λ

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

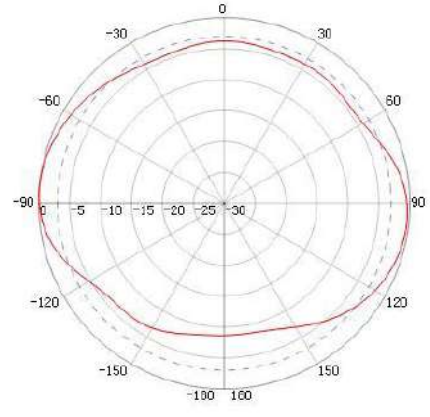
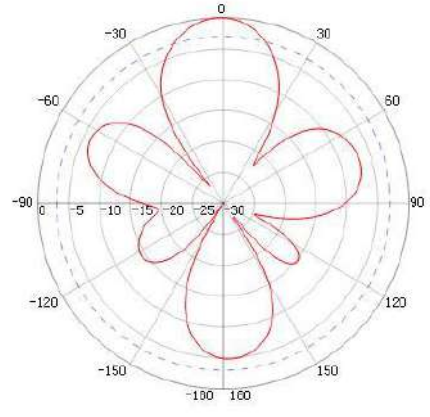
420 MHz



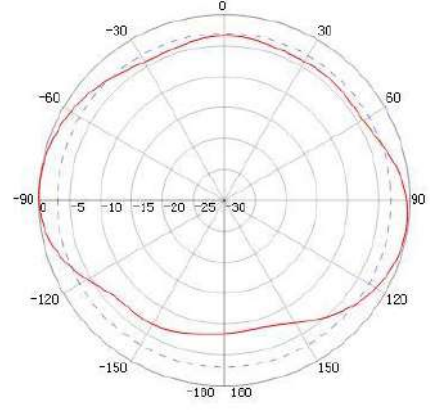
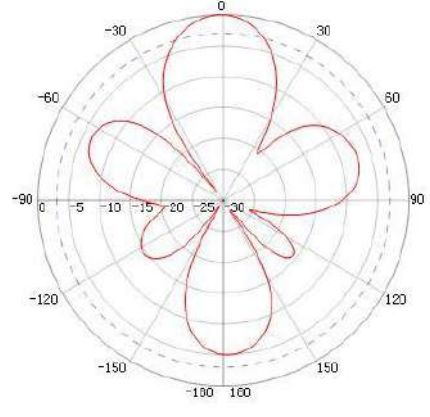
425 MHz



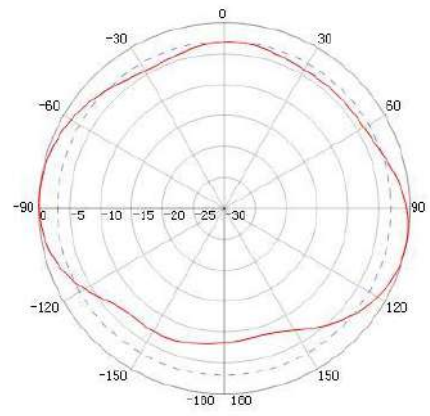
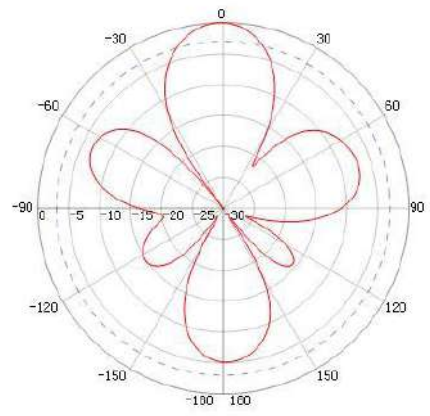
430 MHz



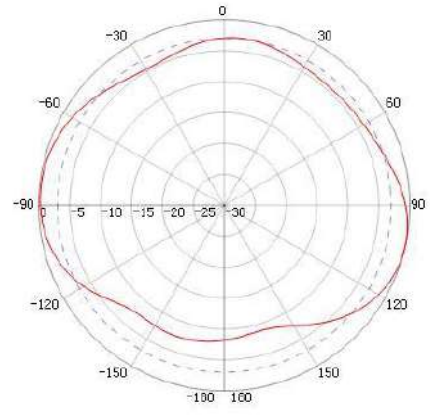
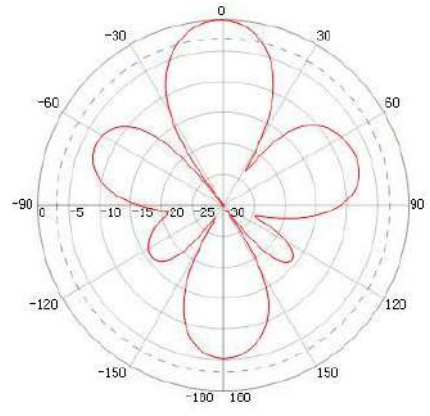
435 MHz



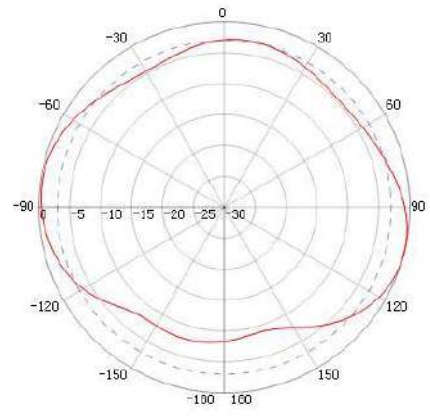
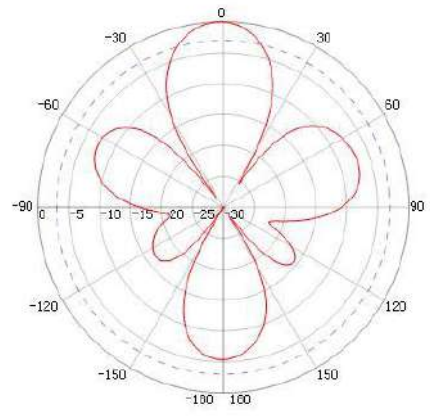
440 MHz



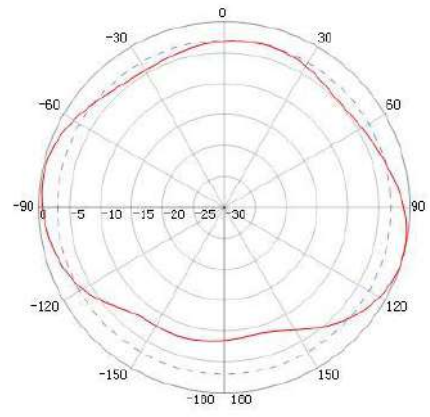
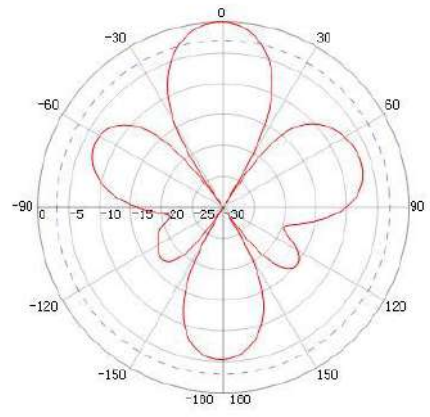
445 MHz

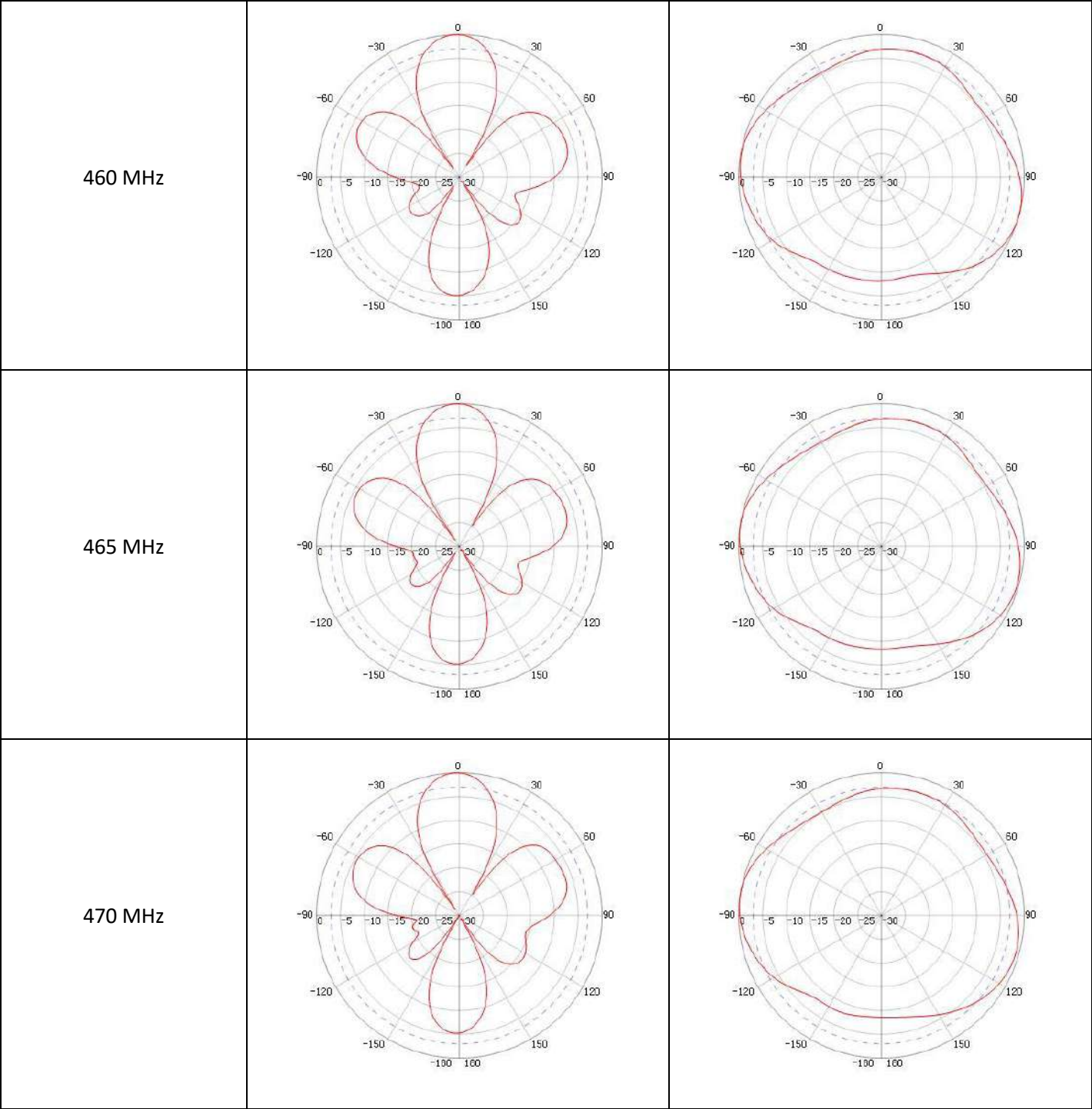


450 MHz

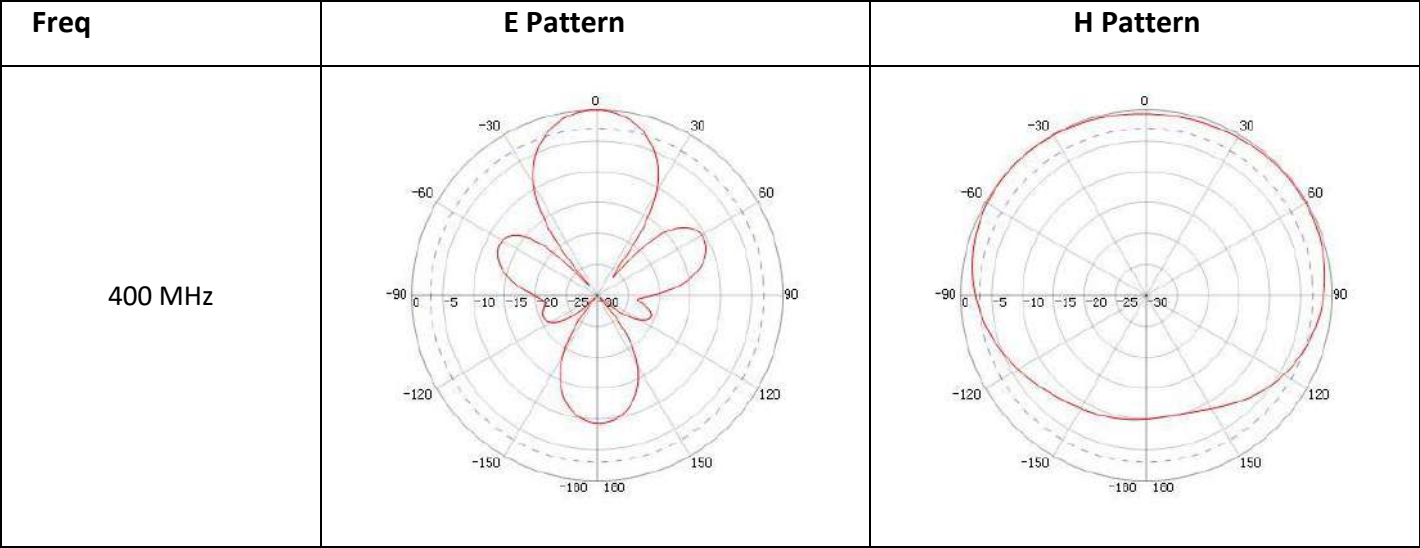


455 MHz

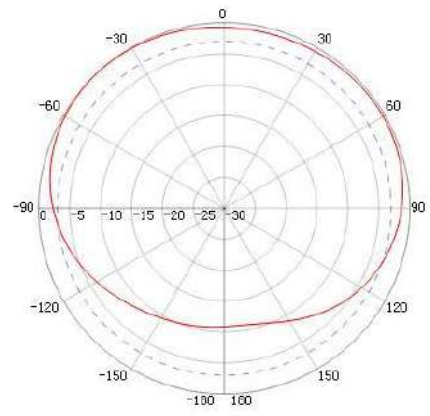
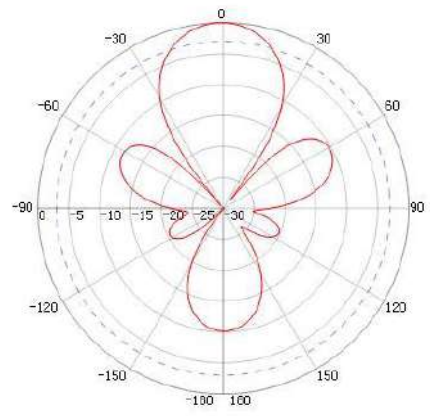




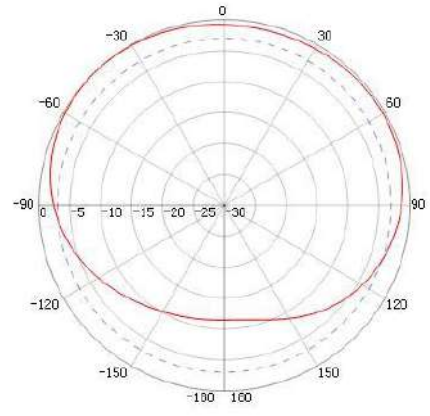
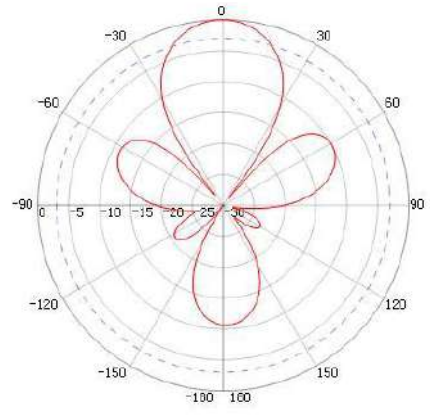
E-plane and H-plane radiation patterns 1/4λ



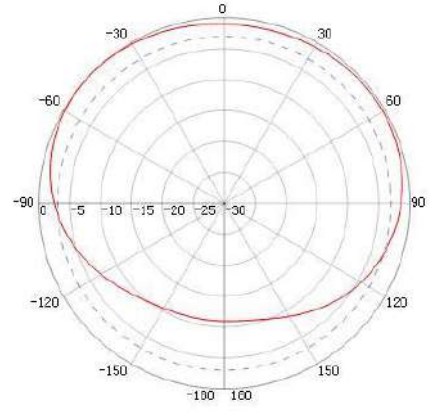
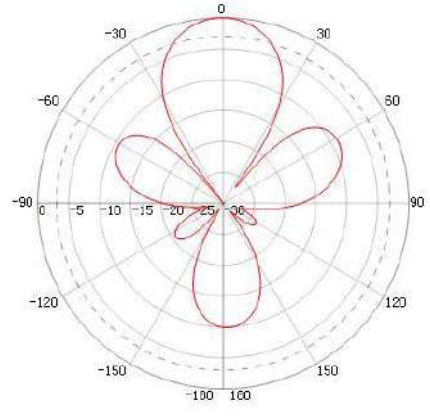
405 MHz



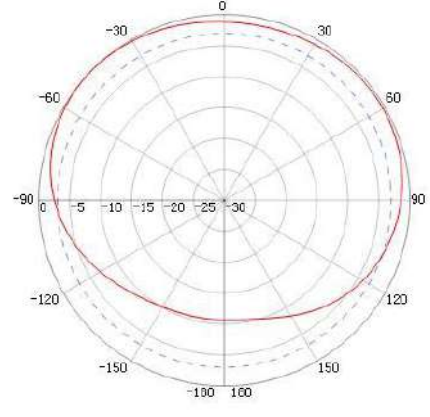
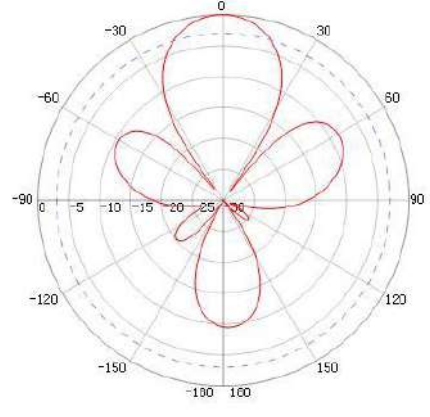
410 MHz



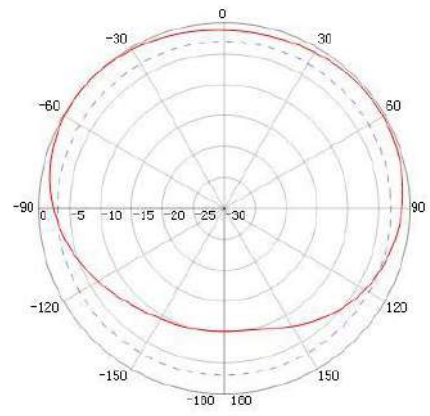
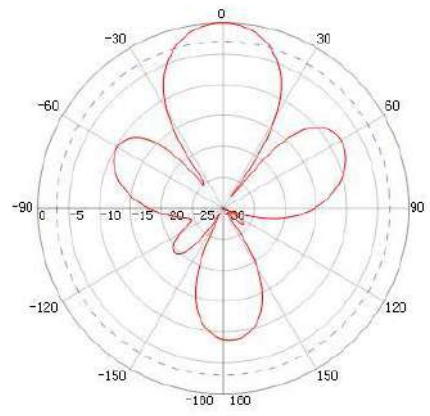
415 MHz



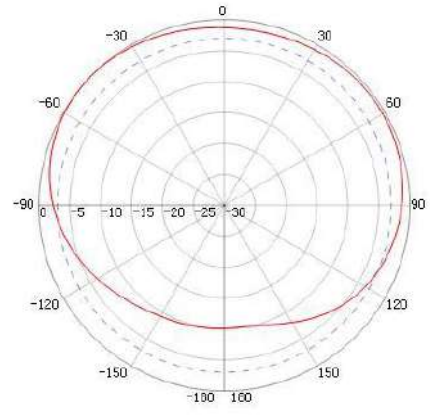
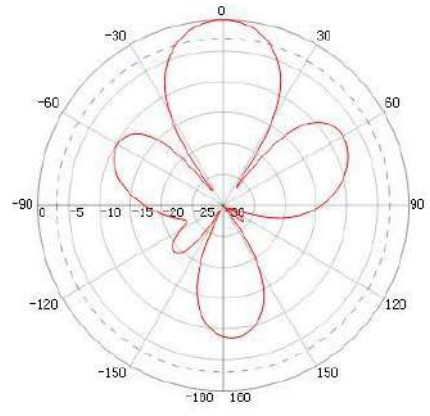
420 MHz



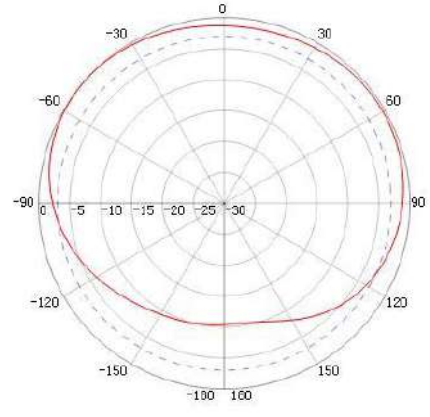
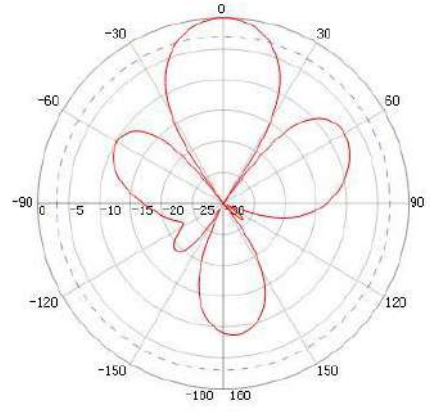
425 MHz



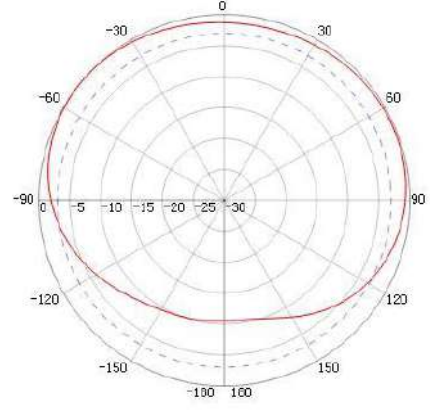
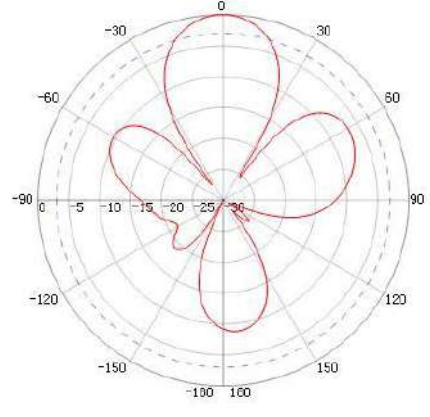
430 MHz



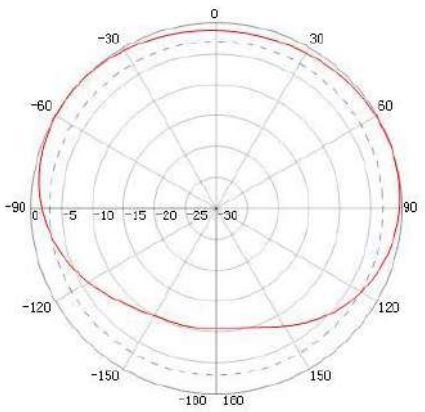
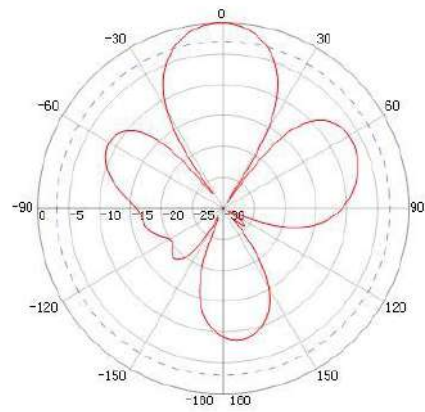
435 MHz



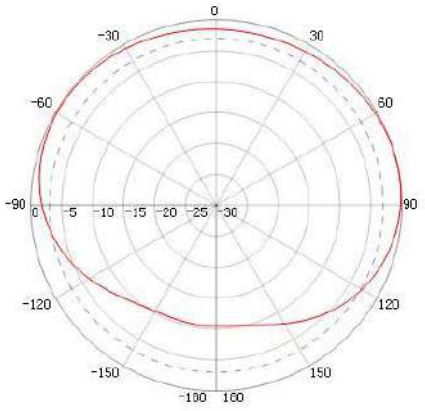
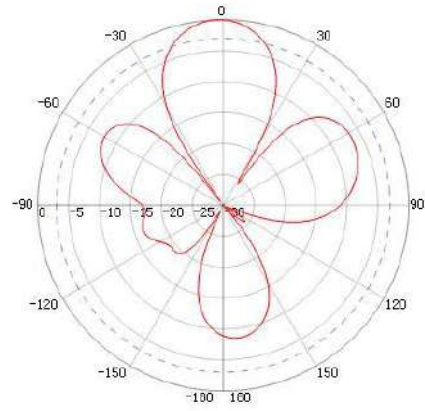
440 MHz



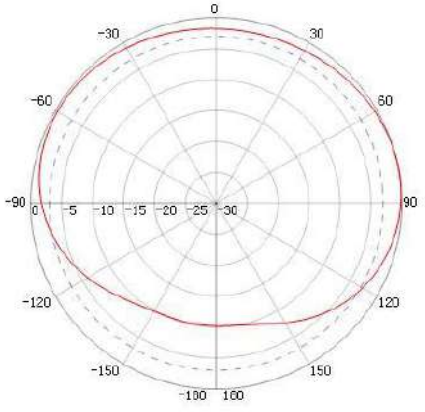
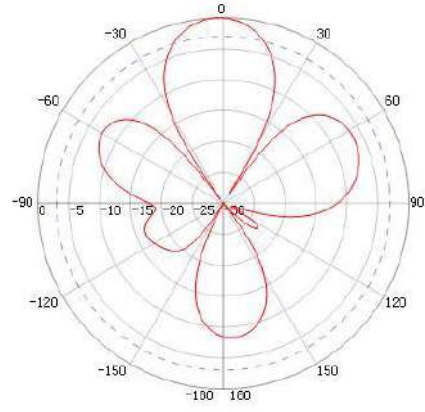
445 MHz



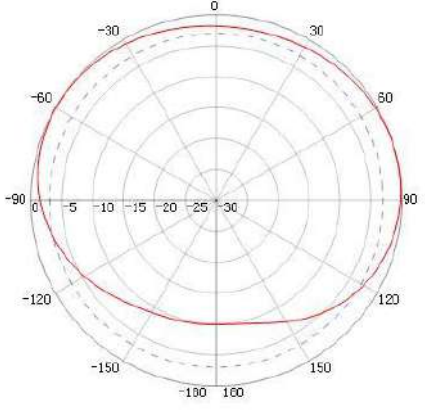
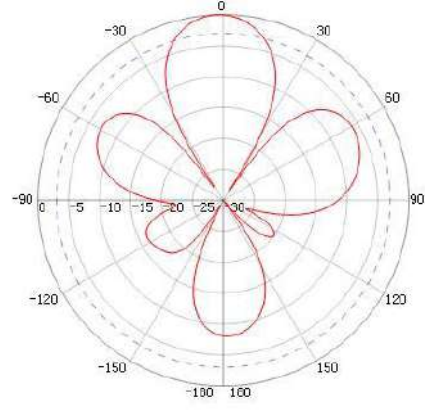
450 MHz



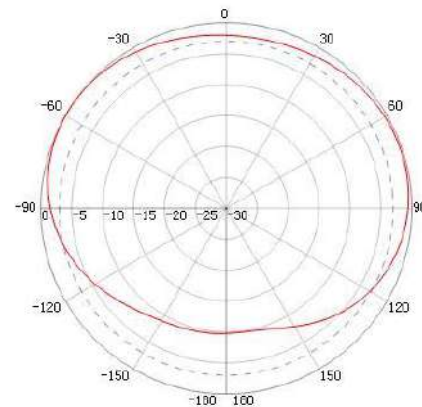
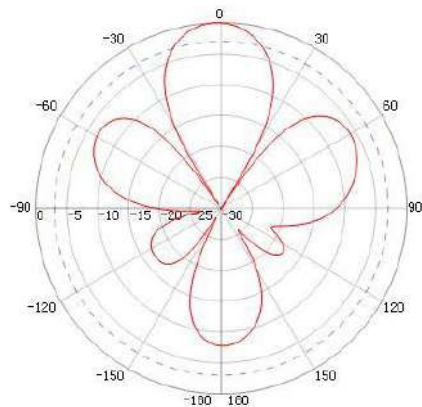
455 MHz



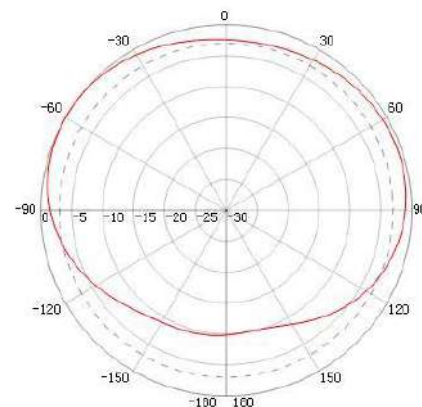
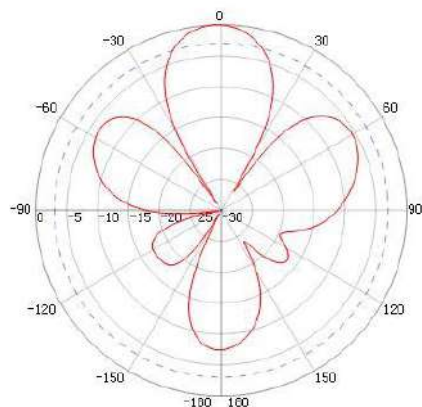
460 MHz



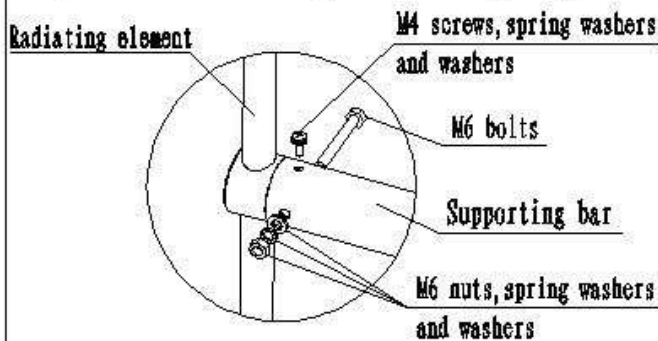
465 MHz



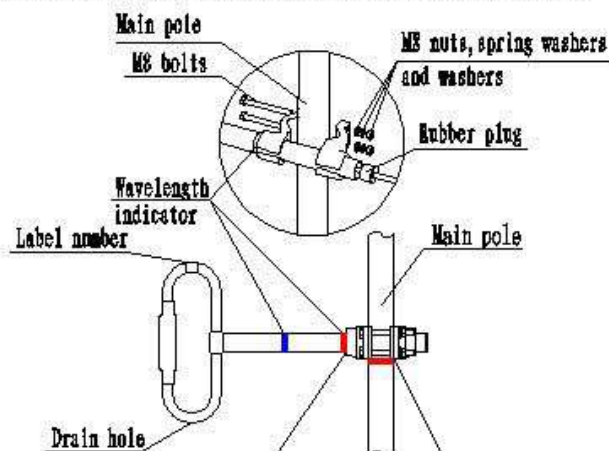
470 MHz



Step 1: Mount the radiating element to supporting bar



Step 2: Fasten the clamp to secure supporting bar to main pole



While mounting, please notice that the clamps should be set here by the edge of the indicator ($1/4\lambda$ or $1/2\lambda$) on the bar according to the wavelength.

While mounting, please notice that the clamps should be set here by the edge of the indicator on the main pole.

Step 3: Mount the antenna main pole to the support mast

