

# 406-512 MHz 4-Element Folded Dipole Array Antenna 6-9 dBd 300W

Antenna AD4-406512-6-300 consists 4-element dipole array antennas with a precision phasing harness for optimum performance. The antenna horizontal pattern is fieldadjustable, for any current or future coverage requirements. Each dipole element includes a heavy-duty custom clamp set.

This product is equivalent to TeleWave ANT450D6-9.



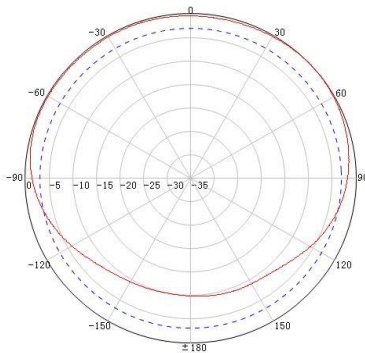
## Features

- Broad Band, Low VSWR
- High Gain
- 4-element dipole array antennas
- 300W High Power
- Pattern Adjustable Offset circular, cardioids, orbidirectional

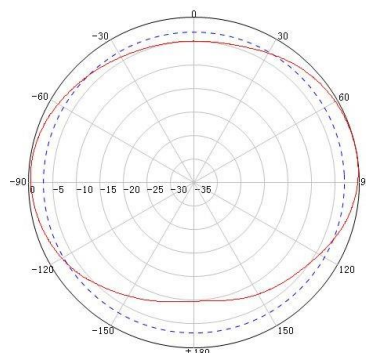
## Applications

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

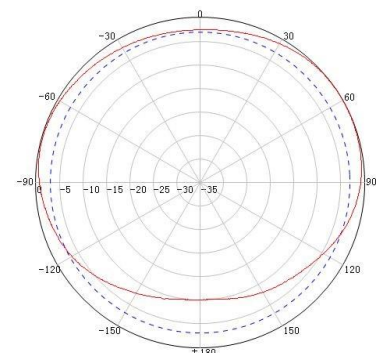
Model	AD4-406512-6-300
<b>Electrical Specifications</b>	
Frequency Range	406 - 512 MHz
Band Width	106 MHz
Polarization	Vertical
Gain (dependent on pattern)	6-9 dBd
Vertical beamwidth	16°
Impedance	50 ohms
VSWR	1.5:1 or less
Power rating (typ.)	300 W
Lighting protection	DC Ground
<b>Mechanical specifications</b>	
Connector Type	7/16 DIN Female or N Female
Connector position	Bottom-end of the cable
Dimensions (H x D)	2610 x 330 mm
Weight	11.5±0.05kg (exclude the bracket)
Antenna Colour	Primary Colour
Operating Temperature	-40°C to +70 °C
Relative Humidity	5-95 %
Rated Wind Velocity	60 m/s
Ingress Protection	IP65
Mounting	On 50-60 mm dia. mast tube (support mast shall be prepared by customer)
<b>Ordering Options</b>	
AD4-406512-6-300-NF	Antenna with N-female connectors
AD4-406512-6-300-DIN	Antenna with 7-16 DIN female connectors



H-Plane gain 9.1 dBd  
1/4 wl. spacing from tower



H-Plane gain 9.1 dBd  
1/2 wl. spacing from tower



H-Plane gain 8.5 dBd  
3/8 wl. spacing from tower

Note: Main mast and bracket are included.