

# Dual-Polarized Directional Antenna

This dual-polarized directional antenna is designed for WCDMA/CDMA2000 communication systems. It has a frequency range of 1920-2170 MHz,  $\pm 45^\circ$  polarization and 15 dBi gain with adjustable electrical downtilt options (0/3/6/9 degrees).



## Product Overview

### High-Performance Communication Solution

This dual-polarized directional antenna is engineered for optimal performance in WCDMA and CDMA2000 communication systems. It provides a stable gain of 15 dBi and supports flexible coverage through adjustable electrical downtilt options. Designed for durability and signal integrity, it features integrated lightning protection and excellent cross-polarization isolation for demanding wireless infrastructures.

## Electrical Specifications

### Gain

**15 dBi**

Gain

Frequency Range	1920-2170 MHz
Polarization	$\pm 45^\circ$ Dual-Polarized
Horizontal Beam Width	90 °
Vertical Beam Width	9 °

## Performance Metrics

VSWR	1.4
Isolation	30 dB
Cross-Polar Ratio	20 dB
Front-to-Back Ratio	25 dB

## Operational Settings

### Electrical Downtilt

- 0
- 3
- 6
- 9

### Lightning Protection

DC Ground

Max Power per Input	300 W
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