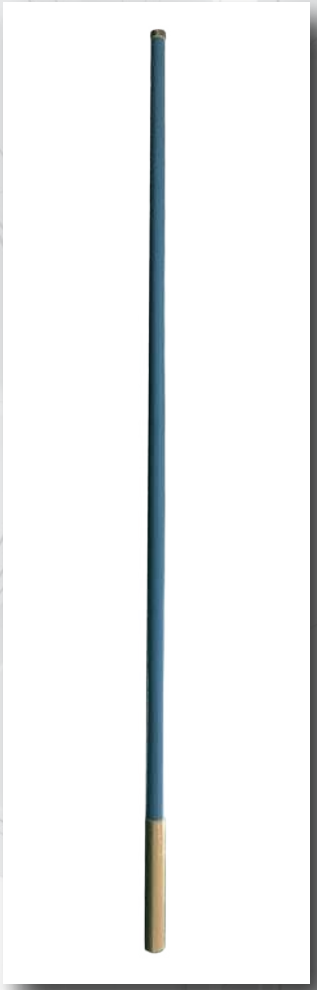
LT-ANT430-450-9

UHF HIGH-GAIN BASE STATION ANTENNA



The LT-ANT430-450-9 is a high-gain UHF base station antenna designed for the 430–450 MHz band. With a consistent 9 dBi omnidirectional gain and 500 W maximum input power, it delivers wide-area coverage for professional and mission-critical communication systems. Its 3.2 m fiberglass radome and robust build ensure long-term reliability, even in harsh outdoor environments.

Key Features

- Frequency range: 430–450 MHz
- High gain 9±1 dBi omnidirectional coverage
- 500 W maximum input power handling
- Wide vertical beamwidth (13°) for efficient coverage
- N Female connector, bottom mounted
- Strong PIM rating (PIP: 600 W)
- DC grounded lightning protection
- Rugged blue fiberglass radome, IP24/IP65 ingress protection
- Supplied with butterfly mounting kit, for poles Ø80–95 mm

Feature	LT-ANT430-450-9
Frequency Range	430–450 MHz
Bandwidth	20 MHz
Gain	9±1 dBi
Pattern Shape	Omnidirectional
Vertical Beamwidth	13°
Horizontal Beamwidth	360°
Intermodulation (IM3)	PIP: 600 W
VSWR	≤1.65
Impedance	50 Ω
Polarization	Vertical
Max. Power	500 W
Lightning Protection	DC Grounded
Ingress Protection	IP24 (IP65 blocking leak test)
Connector	N Female
Connector Position	Bottom
Length	3205 ±20 mm
Diameter	70 mm
Weight	5.5 ±0.2 kg (without bracket)
Radome	Blue Fiberglass
Pole Diameter	Ø80–95 mm
Rated Wind Velocity	60 m/s
Mounting Kit	Butterfly

Applications

UHF base stations and repeater systems
Public safety and emergency communications
Transportation and utility networks
Critical infrastructure coverage
Rural and urban wide-area networks

Ordering Information

The LT-ANT400-425-9 belongs to the UHF High-Gain Antenna Series (9 dBi, 500 W, 3.2 m radome).

Other available models in this series include:
LT-ANT400-425-9 (400–425 MHz)
LT-ANT450-470-9 (450–470 MHz)
LT-ANT400-425DM-9 (400–425 MHz)
LT-ANT406-430DM-9 (406–430 MHz)
LT-ANT425-450DM-9 (425–450 MHz)
LT-ANT450-470DM-9 (450–470 MHz)

Custom options are available upon request, including specific frequency ranges, connector types, and channel bandwidths.

Product specifications are subject to change without prior notice.
For more information, visit www.lamatel.com or send an email to sales@lamatel.com