

LT-ANT450-470-9

UHF HIGH-GAIN BASE STATION ANTENNA

The LT-ANT450-470-9 is a UHF high-gain base station antenna designed for the 450–470 MHz band. With 9 dBi omnidirectional gain and 500 W maximum power handling, it provides reliable wide-area coverage for mission-critical and professional communication systems. The 3.2 m fiberglass radome ensures rugged durability and stable performance in all weather conditions.

Key Features

- Frequency range: 450–470 MHz
- High gain 9 ± 1 dBi omnidirectional performance
- 500 W maximum input power handling
- Wide vertical beamwidth (13°) for effective coverage
- N Female connector, bottom mounted
- Strong PIM rating (PIP: 600 W)
- DC grounded lightning protection
- Durable blue fiberglass radome, IP24/IP65 ingress protection
- Supplied with butterfly mounting kit, for poles $\varnothing 80$ –95 mm

Feature	LT-ANT450-470-9
Frequency Range	450–470 MHz
Bandwidth	35 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	$\varnothing 80$ –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-ANT430-450-9 (430–450 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.

