

LT-ANT445-480-8

UHF BASE STATION ANTENNA

The LT-ANT445-480-8 is a compact UHF base station antenna covering the 445–480 MHz band. Delivering 8 dBi gain with an omnidirectional pattern, it is optimized for reliable coverage in dense urban and mission-critical deployments. With a shorter 2.38 m radome, it is lighter and more versatile to install, while still maintaining robust power handling and environmental protection.

Key Features

- Frequency range: 445–480 MHz
- 8 ± 1 dBi omnidirectional gain
- Compact 2.38 m radome for easier installation
- 500 W input power capacity
- Low VSWR (≤ 1.5) and strong PIM performance (PIP: 600 W)
- N Female connector, bottom mounted
- DC grounded lightning protection
- Blue fiberglass radome, IP24/IP65 ingress protection
- Flexible mounting with side or butterfly kit, for poles $\varnothing 40$ –60 mm

Feature	LT-ANT445-480-8
Frequency Range	445–480 MHz
Bandwidth	35 MHz
Gain	8 ± 1 dBi
Pattern Shape	Omnidirectional
Vertical Beamwidth	18°
Horizontal Beamwidth	360°
Intermodulation (IM3)	PIP: 600 W
VSWR	≤ 1.5
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	2380 mm
Diameter	61 mm
Weight	4.5 kg (with bracket)
Radome	Blue Fiberglass
Pole Diameter	$\varnothing 40$ –60 mm
Rated Wind Velocity	60 m/s
Mounting Kit	Side or Butterfly Mount

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-ANT445-480-8 is part of the UHF Medium Gain Antenna Series (8 dBi, 500 W, 3.2 m / 2.38 m radome options).

Other available models in this series include:

- LT-ANT350-375-8 (350–375 MHz, N connector)
- LT-ANT372-400-8 (372–400 MHz, N connector)
- LT-ANT372-400DM-8 (372–400 MHz, 7/16 DIN connector)

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

