

LT-ANT406-430DM-9

Fiberglass Omni Base Antenna | 406-430 MHz | 9 dBi

Product Overview :

The LT-ANT406-430DM-9 is a high-performance fiberglass omni base antenna designed for dependable long-range communication. Operating within the 406–430 MHz frequency range and delivering a gain of 9 dBi, it ensures consistent, high-efficiency signal transmission and reception. Its omnidirectional radiation pattern provides uniform 360° coverage, making it a reliable choice for enhancing VHF/UHF systems and ensuring robust connectivity across wide areas.

Key Features :

- 406–430 MHz frequency range
- 9 dBi high gain for extended coverage
- Omnidirectional 360° signal pattern
- Durable fiberglass weather-resistant build
- Ideal for fixed base station use
- Quick and easy installation

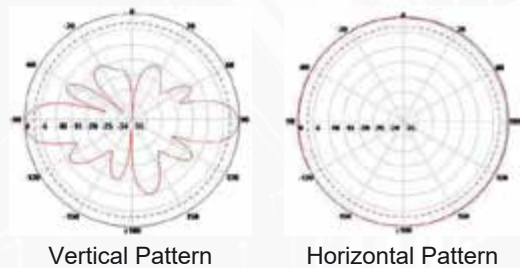
Key Highlights :

- Low VSWR for optimal signal efficiency and minimal loss
- High power handling capacity for demanding transmission requirements
- UV-resistant coating ensures long-term outdoor durability
- Lightweight design for simplified mounting and reduced load on structures
- Stainless steel mounting hardware for corrosion resistance
- Reliable performance in extreme weather conditions, including wind, rain, and temperature fluctuations

Applications:

- Public safety and emergency communications
- Utility, energy, and SCADA systems
- Transportation and fleet operations
- Industrial and plant-wide networks
- Fixed base station deployments
- Rural and remote area connectivity

Typical Patterns



Specification :

LT-ANT406-430DM-9	
Frequency Range	406-430 MHz
Antenna Gain	9 dBi
Power Rating	500 W
Impedance	50 Ω
VSWR	≤ 1.5
Pattern	Omnidirectional
Vertical Beamwidth	13°
Termination	7/16D N-K
Dimensions (Length x Base Diameter)	126 18" x 2 76"
Intalled Antenna Wt (Antenna + Clamps)	8.5 Kg
Fiberglass Color	Blue
Wind rating (0 5" ice)	37.4 KgF
Maximum Exposed Area	2.02 ft2
Lateral Thrust at 100 mph	8.4 KgF
P M	150dBc (@2*43dBm)

