

LT-ANT445-480-8

Fibergalss Omni Base Antenna | 445-480 MHz | 8 dBi

Product Overview :

The LT-ANT445-480-8 emerges as a paradigm of modern antenna design, fine-tuned for the 445-480MHz UHF range. Furnishing an 8dBi gain, it champions comprehensive signal propagation and immaculate clarity. Conceived with professional needs in mind, its unparalleled harmony of frequency optimization and gain strength marks it as an invaluable tool for advanced base station communication systems.

Key Features :

- Low VSWR design for maximum signal efficiency and minimal loss
- DC grounded for lightning protection, enhancing system safety
- Corrosion-resistant materials for long-term reliability in outdoor environments

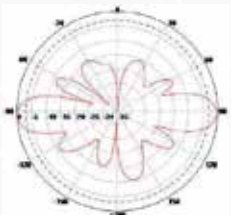
Key Highlights :

- Wide VHF coverage (445–480 MHz) for versatile communication needs
- 360° omnidirectional signal for full-area coverage
- Rugged fiberglass build with weather and UV resistance
- Lightweight and compact for easy installation

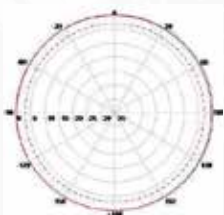
Applications:

- Air Traffic Communication
- Aviation Ground Stations
- VHF Radio Broadcast Systems
- Airport Infrastructure & Control Towers
- Maritime and Coastal Stations (VHF Airband)

Typical Patterns



Vertical Pattern



Horizontal Pattern



Specification :

LT-ANT445-480-8	
Frequency Range	445-480 MHz
Antenna Gain	8 dBi
Power Rating	500 W
Impedance	50 Ω
VSWR	≤ 1.5
Pattern	Omnidirectional
Vertical Beamwidth	18°
Termination	N Female
Dimensions (Length x Base Diameter)	93.7" x 2.4"
Intalled Antenna Wt (Antenna + Clamps)	4.5 Kg
Fiberglass Color	Blue
Wind rating (0.5" ice)	25 KgF
Maximum Exposed Area	1.38 ft²
Lateral Thrust at 100 mph	5.7 KgF

