

LT-ANT150-158-6.5

VHF HIGH-GAIN BASE STATION ANTENNA

The LT-ANT150-158-6.5 is a high-performance fiberglass omnidirectional base antenna designed for reliable communication within the 150–158 MHz VHF frequency range. Engineered with a durable fiberglass enclosure, it ensures superior performance and long-lasting operation even in harsh weather conditions. With a 6.5 dBi gain and 100W power rating, this antenna delivers exceptional signal strength, stability, and range for critical communication systems.

Key Features

- **Wide Frequency Range:** Operates within 150–158 MHz VHF band for versatile communication use.
- **High Gain Performance:** Provides 6.5 dBi gain for enhanced signal clarity and coverage.
- **Rugged Fiberglass Construction:** Ensures long-term durability and resistance to harsh environments.
- **All-Weather Operation:** Sealed design for reliable performance under extreme weather conditions.
- **Omnidirectional Pattern:** Delivers 360° signal coverage for consistent communication in all directions.

Feature	LT-ANT150-158-6.5
Frequency Range	150-158 MHz
Antenna Gain	6.5 dBi
Power Rating	100 W
Impedance	50Ω
VSWR	≤ 1.5
Pattern	Omnidirectional
Vertical Beamwidth	25°
Termination	N Female
Dimensions (Length x Base Diameter)	127.95" x 1.77"
Installed Antenna Wt (Antenna + Clamps)	3.32 Kg
Fiberglass Color	Blue
Wind Rating (0.5" ice)	23.7 KgF
Maximum Exposed Area	1.17 ft²
Lateral Thrust at 100 mph	5.3 KgF
Compatible Clamp	LT-C/ANT-BU (sold separately)
PIP	100W

Applications

VHF base station and repeater networks
Public safety and emergency communications
Aviation, marine, and transportation networks
Critical infrastructure coverage
Wide-area urban and rural deployments

Ordering Information

The LT-ANT150-158-6.5 belongs to the VHF Low Power Antenna Series (6.5 dBi, 100 W, slim 3 m radome). Other available models in this series include:

LT-ANT134-142-6.5 (134–142 MHz)
LT-ANT142-150-6.5 (142–150 MHz)
LT-ANT150-158-6.5 (150–158 MHz)
LT-ANT155-163-6.5 (155–163 MHz)
LT-ANT157-165-6.5 (157–165 MHz)
LT-ANT160-168-6.5 (160–168 MHz)

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

