

# LT-ANT118-132-5

## VHF HIGH-GAIN BASE STATION ANTENNA

The LT-ANT118-132-5 is a VHF base station antenna optimized for the 118–132 MHz band. Designed with a long 4.0 m fiberglass radome, it delivers 5 dBi omnidirectional gain and supports up to 500 W input power, ensuring stable and reliable coverage. Built for professional and mission-critical applications, it combines rugged durability with consistent performance in demanding outdoor conditions.

### Key Features

- Frequency range: 118–132 MHz
- 5±1 dBi omnidirectional gain
- 500 W maximum input power
- Wide vertical beamwidth (35°) for balanced coverage
- N Female connector, bottom mounted
- DC grounded lightning protection
- Strong PIM rating (PIP: 600 W)
- Long 4.0 m fiberglass radome, IP24/IP65 ingress protection
- Supplied with butterfly mounting kit, fits poles Ø80–95 mm

Feature	LT-ANT118-132-5
Frequency Range	118–132 MHz
Bandwidth	14 MHz
Gain	5±1 dBi
Pattern Shape	Omnidirectional
Vertical Beamwidth	35°
Horizontal Beamwidth	360°
Intermodulation (IM3)	PIP: 600 W
VSWR	≤ 1.6
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	4000 mm
Diameter	70 mm
Weight	5.78 ±0.2 kg
Radome	Blue Fiberglass
Pole Diameter	Ø80–95 mm
Rated Wind Velocity	60 m/s
Mounting Kit	Butterfly

### 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-ANT118-132-5 belongs to the VHF Mid Power Antenna Series (5 dBi, 500 W, 3.5–4.0 m radome).

Other available models in this series include:

LT-ANT132-146-5 (132–146 MHz)  
LT-ANT146-160-5 (140–160 MHz)  
LT-ANT158-172-5 (158–172 MHz)

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

