

# LT-ANTMV-148-168-4.5

## VHF Mobile Antenna (148-168 MHz, 4.5 dBi Gain)

The LT-ANTMV-148-168-4.5 is a high-performance VHF mobile antenna designed for reliable communications across the 148–168 MHz band. With its 1/2 wave design, it delivers consistent omnidirectional coverage, stable impedance, and dependable power handling. Its extended length provides higher gain, making it suitable for critical mobile communication systems that require long-range performance.

### Key Features

- Optimized for 148–168 MHz
- 4.5 dBi gain for extended coverage
- 1/2 wave design ensures reliable omnidirectional performance
- 50  $\Omega$  impedance for efficient system matching
- 160 W power capacity for demanding operations
- Extended size: 965 mm length
- Flexible mounting options: compatible with NMO base or Magnet base.

LT-ANTMV-148-168-4.5	
Frequency Range	148-168 MHz
Gain	4.5 dBi
Wave	1/2 wave
Impedance	50 $\Omega$
Power Capacity	160 W
Connec on	NMO
Length	965 mm
Moun ng	Hole or Magne c Mount

### Applications

Public safety and emergency services  
Transportation and fleet management  
Oil & Gas field communications  
Utilities and critical infrastructure  
Security and defense operations  
Commercial and industrial radio networks



### Ordering Information

The Lamatel mobile antenna series is available in multiple frequency ranges and gain options to support a wide variety of communication needs. Customers can select the appropriate model based on their operating band and performance requirements. Mounting options (NMO base or Magnet base) are available separately.

Lamatel Part Number	Frequency Range	Gain
LT-ANTMU-380-400-5	380–400 MHz	5.0 dBi
LT-ANTMU-410-430-3	410–430 MHz	3.0 dBi
LT-ANTMU-430-450-3	430–450 MHz	3.0 dBi
LT-ANTMU-450-470-3	450–470 MHz	3.0 dBi
LT-ANTMU-440-480-6.5	440–480 MHz	6.5 dBi
LT-ANTMV-148-168-4.5	148–168 MHz	4.5 dBi
LT-NMO-BNC-18FT	Hole Mount	
LT-MG3-NMO-BNC-19.6FT	Magne c Mount	

