

# LT-ANTMU-440-480-6.5

## UHF Mobile Antenna (440–480 MHz, 6.5 dBi Gain)

The LT-ANTMU-440-480-6.5 is a high-gain UHF mobile antenna designed for professional communication systems operating in the 440–480 MHz band. Featuring a 5/8 over 1/2 wave design, it provides extended coverage, stable impedance, and efficient power handling. Rugged and reliable, it is ideal for demanding environments where maximum performance is required.

### Key Features

- Optimized for 440–480 MHz
- 6.5 dBi gain for extended communication range
- 5/8 over 1/2 wave design for superior performance
- 50  $\Omega$  impedance for efficient matching with radio systems
- 160 W power capacity for reliable operation
- Compact size: 790 mm length
- Flexible mounting options: compatible with NMO base or Magnet base.



### 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

| LT-ANTMU-440-480-6.5 |                        |
|----------------------|------------------------|
| Frequency Range      | 440-480 MHz            |
| Gain                 | 6.5 dBi                |
| Wave                 | 5/8 over 1/2 wave      |
| Impedance            | 50 $\Omega$            |
| Power Capacity       | 160 W                  |
| Connection           | NMO                    |
| Length               | 790 mm                 |
| Mounting             | Hole or Magnetic Mount |

### 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 | Magnetic Mount  |         |

