

Wide Spectrum Multi-Band Antenna

PCTEL's PCTWSLMR-2 wide spectrum multi-band antenna supports multi-band radio technology to provide interoperability among emergency management and response personnel, regardless of the frequency band used. It provides outstanding coverage of VHF and UHF bands, including P25, 700 MHz FirstNet Public Safety, and 800/900 MHz frequencies in a ready-to-install, no tune design. This antenna features an extremely flexible and impact resistant design that provides maximum durability for critical communications installations. Its base is designed to interface with standard NMO mobile mounts to facilitate existing installation upgrades on public safety vehicle. For temporary installation, use only with PCTEL PCTMAG-HD-NT mount.

Features

- No tune, multi-band coverage of full spectrum VHF, TETRA/UHF and 700/800/900 MHz frequencies
- Rugged ultra-flexible design for long lasting, reliable emergency response support
- NMO compatible interface for easy installation or upgrade
- Excellent VSWR performance across frequencies for reliable coverage and maximum interoperability



PCTWSLMR-2



PCTMAG-HD-NT
Heavy-Duty Mount
(sold separately)

STANDARD CONFIGURATION

| Model | Recommended Mount (Sold Separately) |
|------------|---|
| PCTWSLMR-2 | PCTWSLMR mates with 1-1/8"-18 threaded mounts, including NMO 3/4" hole mounts. For temporary installations, PCTMAG-HD-NT extra strength magnetic mount is required (sold separately). NOTE: DO NOT USE WITH MAX-MATICS GPS PLUS ANTENNAS |

ELECTRICAL SPECIFICATIONS

| Frequency Range | Gain | VSWR | Polarization | Average Power | Nominal Impedance |
|---|--------|-------------------|------------------|---------------|-------------------|
| 136-174 MHz / 380-520 MHz / 698-960 MHz | Unity* | < 2.0:1 typical** | Vertical, linear | 160 watts | 50 ohms |

MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

| Dimensions | Weight | Radiator | Construction Materials | Ingress Protection | Temperature Range |
|---|-------------------|-------------------------------|---|--------------------|-------------------|
| 2 OD x 22 H in including whip (5.08 x 56.4 cm) | 1.70 lbs (0.77kg) | SST Coil, Black Chrome Plated | Base Coil: Black ABS plastic with zinc diecast internal bushing | IP56 | -40°C to +85°C |

* Measured on a 4-foot diameter ground plane. Gain value is measured at the base of the antenna (no cable/connector loss included).
** Measured on a standard NMO mount with 17 feet of RG-58A/U cable. Maximum VSWR 2.5:1.