

## Wide Spectrum Multi-Band Antenna

PCTEL's PCTWSLMR 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 700 MHz public safety, 800 MHz and 900 MHz frequencies in a ready-to-install, no tune design. Its multi-band elements are housed in a rugged, impact-resistant housing for maximum durability and its base is designed to interface with standard NMO mobile mounts to facilitate existing installation upgrades on public safety vehicles.

### Features

- No tune, multi-band coverage of full spectrum VHF, TETRA/UHF and 700/800/900 MHz frequencies
- Rugged construction for long lasting, reliable emergency response support
- NMO compatible interface for easy installation or upgrade
- Stainless steel spring for maximum impact shock absorption
- Excellent VSWR performance across frequencies



PCTWSLMR PCTMAG-HD Mount (sold separately)

### STANDARD CONFIGURATION

Model	Recommended Mount (Sold Separately)
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). <b>NOTE: DO NOT USE WITH MAX-MATICS GPS PLUS ANTENNAS</b>

### 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 55.88 cm)	1.46 lbs (0.66 kg)	Black e-coated 17-7PH SST	Base Coil: Black ABS plastic with zinc diecast internal bushing Housing: Black aluminum Spring: Black chrome SST	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.