



Low UHF Bands (400 MHz) Outdoor Antenna Series

Low UHF (400 MHz) bands offer significant advantages, which are covered by our new product line of antennas:

- **Long Range & Penetration:** 400 MHz signals effectively penetrate buildings, foliage, and obstacles, ensuring extended coverage and reliable communication, optimally leveraged by our antennas. Outperforms higher UHF and microwave frequencies.
- **Enhanced Power Efficiency:** Lower power consumption in this frequency band enables extended battery life and reduced operational costs for devices utilizing our antennas. Ideal for battery-powered devices and remote deployments.

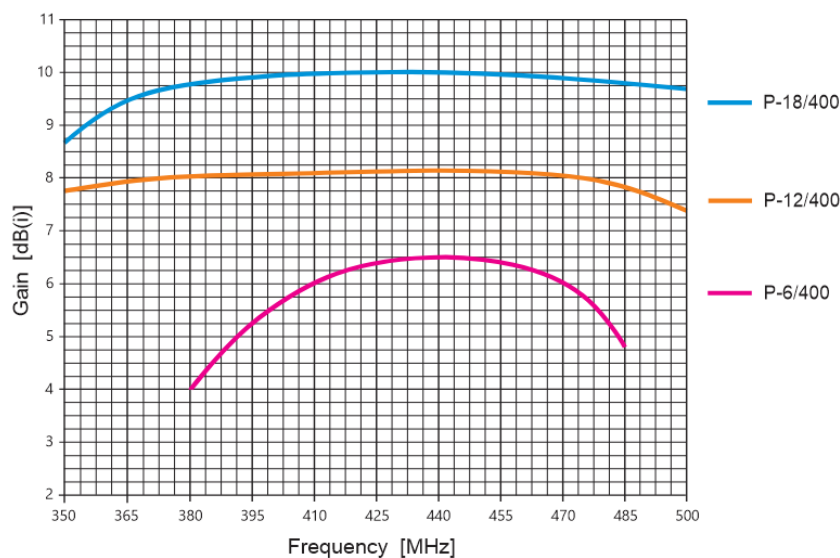
Application Areas:

- Growing demands for industrial and critical communications infrastructure:
 - **Public Safety & Emergency Services:** Reliable antennas for mission-critical communication in police, fire, and rescue operations (**TETRA, LTE 450, PPDR**).
 - **Utilities & Energy:** Robust antennas for **SCADA**, remote monitoring, and control in power grids, water management, and oil & gas sectors.
 - **Transportation & Logistics:** Dependable antennas for coordination, tracking, and safety in railways, aviation, and shipping.
- Expanding IoT & M2M Networks:
 - **Smart Cities & Infrastructure:** Antennas for smart metering, environmental monitoring, asset tracking, and intelligent infrastructure management.
 - **Industrial Automation:** Antennas for reliable machine-to-machine (M2M) communication in factories, warehouses, and automated systems.
- Legacy services using low UHF bands:
 - **European Unlicensed PMR:** Antennas leveraging existing infrastructure and established standards.
 - **Amateur Radio & License-Free Bands (433 / 446 MHz):** Antennas operating in readily available and often license-exempt spectrum options.

Features

- **Log-periodic Base:** High-gain directional antenna providing consistent performance across its bandwidth.
- **Durable Construction:** High-quality materials (aluminum alloy, galvanized steel, UV-resistant plastic) ensure long-lasting mechanical resistance. Comes pre-assembled.
- **Flexible Installation:** Supports both vertical and horizontal (H/V) polarizations.
- **Wideband Design** *: Covers the whole low UHF frequency range
- **Compatibility:** 50 Ω impedance for connectivity with the most of devices.
- **Low Loss Cable:** Includes low attenuation cable.
- **Reliability:** Factory mounted connector
- **Tailored solution:** Three models available for varied length / gain requirements

	P-6/400	P-12/400	P-18/400
Cable	WL-240; 7m length or different upon request		
Connector	TNC male or other upon request		
Impedance	50 Ω		
Polarization	V or H/V upon request		
No. of Elements	6	12	18
Gain [dB(i)]	6,5	8	10
Length [cm]	35	68	98
Band [MHz]	380-470	350-470	380-500
Box Packaging [pcs]	20	10	10



* Contact us if narrow frequency band antenna is required