



# Loaded Monopole Antenna (L.M.A.)



**The Loaded Monopole Antenna** is an omni-directional radio-mounted antenna for dismounted warfighter applications. Developed under the CECOM Soldier Worn Antenna Technology (SWAT) program, this antenna operates efficiently over the Band-2 frequency range for the DARPA Small Unit Operations – Situational Awareness System (SUO-SAS). This monopole features efficient, wideband operation from 400MHz – 1000 MHz in an 11” tall package that can be mounted directly to the dismounted warfighters body-borne gear. This small, lightweight antenna also includes flexible packaging to enhance soldier mobility in severe conditions such as rough terrain and dense foliage.

## Specifications:

<b>Instantaneous Operational Bandwidth</b>	<b>400 – 1000 MHz</b>
<b>VSWR</b>	<b>≤ 2.4 : 1</b>
<b>Gain</b>	<b>-2 dBiL</b>
<b>Power Handling</b>	<b>1 Watt max.</b>
<b>Size/Length</b>	<b>11”</b>
<b>Weight</b>	<b>5 oz.</b>
<b>Pattern</b>	<b>Omni-directional</b>
<b>Polarization</b>	<b>Vertical</b>

**\* Nominal gain on horizon at 700 MHz when antenna is installed on the radio**

