



Model: OQCL0-04-LC

High Powered LHCP Wideband UHF Omni Antenna

Below is a photo and information on mWAVE Industries, LLC wide-band high-power circularly polarized UHF omnidirectional antenna. This antenna was developed for a branch of the US military. This antenna has been manufactured in production quantities to support both fixed site and mobile applications. The antenna provides hemispherical coverage over a frequency range of 370 MHz to 450 MHz and is capable of handling 1,500 watts of continuous power (CW). RF input is a LC female connector located at the base of the antenna. Alternate RF input options are available upon request. Input VSWR is 1.2:1 maximum. The model OQCL0-04-LC antenna design provides maximum life cycle over a broad temperature range in the most extreme environments including salt, sand, and radial ice. Antenna pattern performance has been fully characterized on mWAVE's outdoor antenna test range. Typical radiation pattern and VSWR plots are available upon request.



Side view



Antenna inverted to show mounting surface and RF input details.

NOTE: This antenna can be purchased in alternate frequency bands with various power handling options.

Frequency (MHz)	Power Handling	VSWR
370-450	1500 watts CW	1.2:1 max

Contact mWAVE Industries, LLC for your antenna development needs.