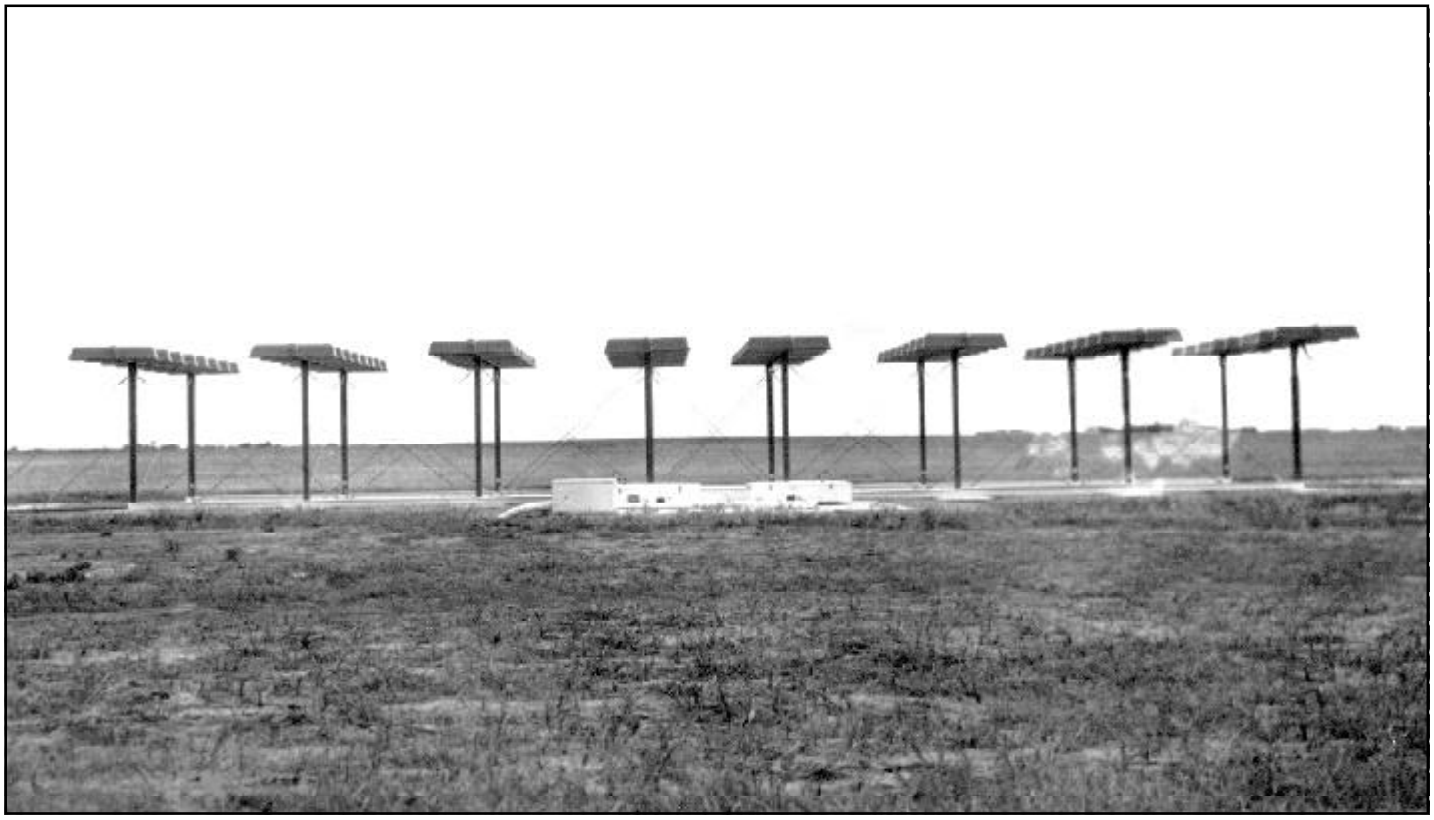
LOH-4

- INSTRUMENT LANDING SYSTEM
- LOCALIZER ANTENNA ARRAY
- AZIMUTH GUIDANCE



Applications

The LOH-4 is a traveling wave antenna used in instrument landing system localizer systems to provide azimuthal guidance to aircraft for accurate alignment with runway centerline during approach and landing of aircraft under instrument flight rules.

Features

The most common configuration is an eight-element system, but a fourteen-element system is available for difficult runway configurations with many obstructions. A conversion unit to change an eight-element into a fourteen-element system is available if site conditions are altered over the years of service.

Characteristics

The primary advantages of the LOH-4 traveling wave antenna over the other localizer antennas are an integral monitoring system, high radiation efficiency, and a very directive pattern with vertical radiation lobes that are heavily suppressed. These combined features are unique to the LOH-4.

Equipment Supplied

Each system consists of antenna elements, supports, cable troughs, obstruction lights, distribution cables, monitor cables, distribution unit, monitor combining unit, two detectors, phaser, variable attenuator, fixed attenuator, phase sampler, and mechanical misalignment monitor.

Shipping Information

	LOH-4/8	LOH-4/14
Weight	2400 lbs	4000 lbs
Volume	450 cu. ft.	750 cu. ft.

ANTENNA PRODUCTS