



## FG4603

### Omnidirectional Antenna 460-470 MHz

The Laird FG4603 omnidirectional base station antenna incorporates a collinear design that is enclosed in high density fiberglass, which is covered with a protective ultraviolet inhibiting coating. The radiating elements are carefully phased to provide maximum gain in the horizontal plane. The mounting sleeves are tuned to eliminate RF currents from the transmission line, resulting in a “cold” sleeve that allows for greater freedom in mounting. The antenna’s high quality and well-focused beam provides the best efficiency with highest gain.

### FEATURES AND BENEFITS

- High-performance tri-linear design
- Special UV-treated radome; resists sun damage
- Easy installation with optional FM2
- N-Female industry standard connector
- 100% tested on a network analyzer

#### ELECTRICAL SPECIFICATIONS

Operating Frequency (MHz)	460-470
VSWR - Max	<2:1
Gain (dBi)	5
Nominal Impedance (Ohms)	50
Max Power - Ambient 25°C (W)	100
Polarization	Vertical
Pattern	Omnidirectional

#### MECHANICAL SPECIFICATIONS

Dimensions - diameter x height - cm (inches)	3.33 x 111.76 (1.31 x 44.0)
Weight - kg (lbs.)	1.59 (3.5)
Lightning Protection	Lightning Arrestor - LABH350NN (Sold separately)

## ENVIRONMENTAL SPECIFICATIONS

Operating Temperature - °C (°F)	
Storage Temperature - °C (°F)	
Rated Wind Velocity - km/hr (mph)	210 (125)
Rated Wind Velocity (with 0.5" radial ice) - km/hr (mph)	137 (85)
Lateral Thrust @ 1.25 mph wind velocity - kg (lbs.)	26 (57)
Equivalent Flat Plane Area - sq. km (sq. ft.)	0.6959
Mounting Information	FM2 Mounting Kit (sold separately)
Material Substance Compliance	RoHS

## CONFIGURATION

### ENVIRONMENTAL SPECIFICATIONS

FG4603	N-Female
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Lightning Arrestor  
LABH350NN  
(Sold Separately)



FM2 Mounting Kit (Sold  
separately)

### TE TECHNICAL SUPPORT CENTER

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