



FG SERIES - UHF

Omnidirectional Antennas

FIBERGLASS BASE STATION ANTENNAS FEATURE INDUSTRY LEADING DESIGN COMPONENTS THAT PERFORM IN EXTREME CONDITIONS

The FG4065 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.

FEATURE

- Hi Performance Tri-linear design
- Easy installation with optional FM2
- Special UV treated radome, resists sun damage
- N Female industry standard connector
- 100% tested on a network analyzer

ELECTRICAL SPECIFICATIONS

Frequency Range	406-416 MHz
VSWR	< 2.0:1 Max
Nominal Gain (see ordering guide)	5 dBd
Maximum Power	100 W
Nominal Impedance	50Ω
Polarization	Vertical
Pattern	Omnidirectional
Half-Power Beamwidth (Elevation° x Azimuth°)	40° x 360°
Coaxial Cable Length	None
Termination	N-Female Connector
Lightning Protection	Lightning Arrestor LABH350NN (Sold Separately)

MECHANICAL SPECIFICATIONS

Height	76-1/2"
Diameter	1.310"
Weight	< 3 lbs
Rated Wind Velocity	125 mph (210 kph)
Rated Wind Velocity (with 0.5" radial ice)	85 mph (137 kph)
Equivalent Flat Plate Area in Sq. Feet	0.6959 Sq. Ft.
Mounting Information	FM2 Mounting Kit (Sold Separately)

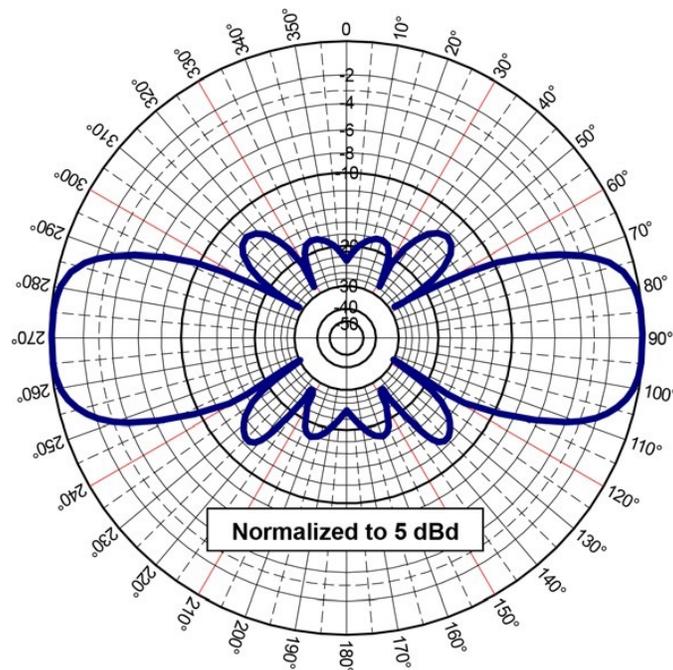
LIGHTNING ARRESTOR (LABH350NN)



FM2 MOUNTING KIT



RADIATION PATTERN



ORDERING GUIDE

Model Number	Frequency	Gain	Height
FG4065	406-416 MHz	5 dBd	76 in
FG4205	420-430 MHz	5 dBd	76 in
FG4105	410-420 MHz	5 dbd	76 in

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