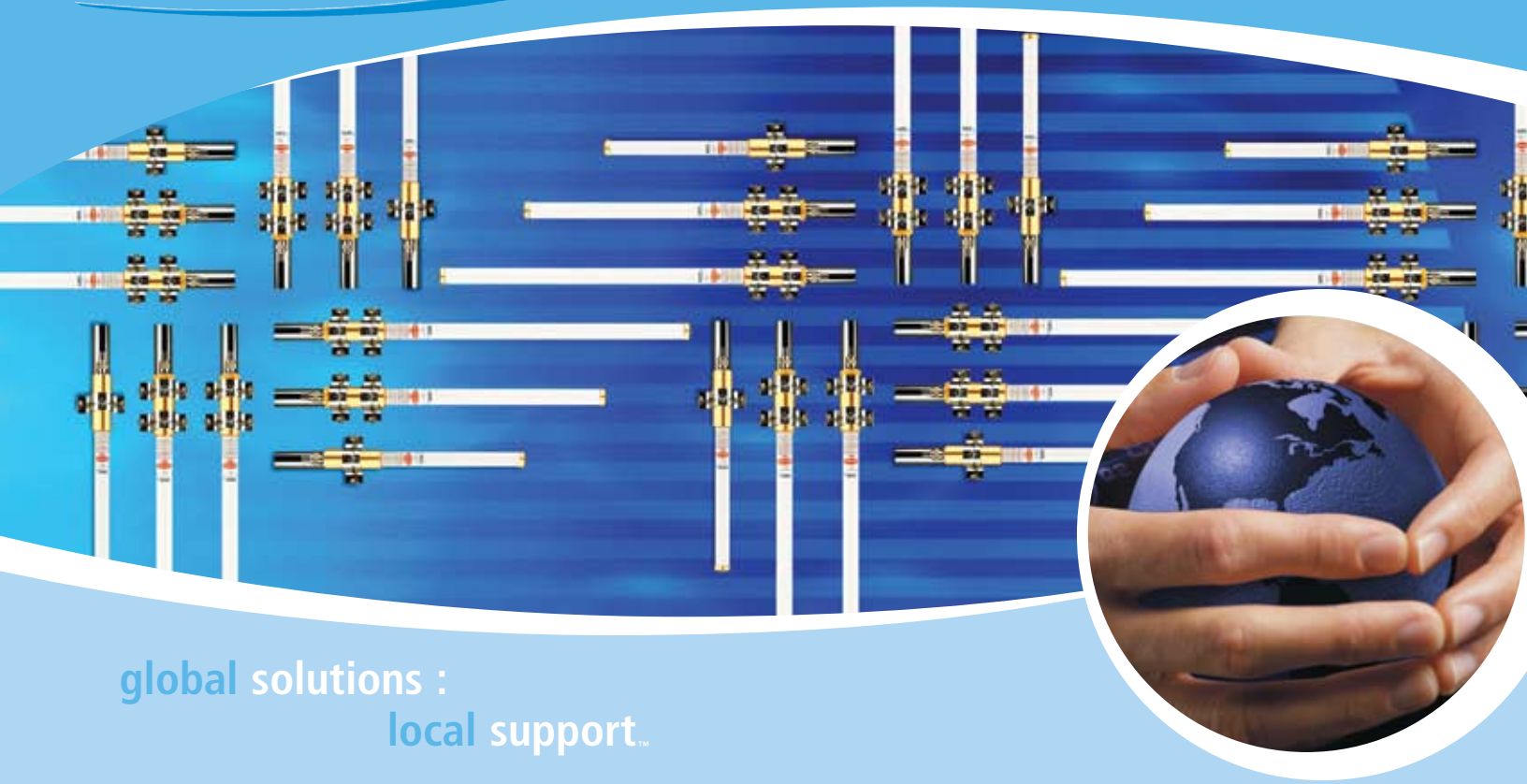
Laird TECHNOLOGIES

FG9023
Fiberglass Omni-directional Antennas



global solutions :
local support™

Fiberglass base station antennas feature industry leading design components that perform in extreme conditions

Laird Technolgies' Fiberglass Base Station antennas are collinear designs enclosed in a high density fiberglass, which is covered with a protective ultraviolet inhibiting coating.

The radiating elements are made from high efficiency copper and 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 allowing great freedom in mounting. This high quality and well-focused beam provides the highest gain and best efficiency.

Features and Benefits:

- Every FG fiberglass base antenna is tested on a network analyzer before shipping to assure the best performance.
- Special UV Treated - Stands up to the sun
- Durable gold anodized sleeve and cap with N Female connector
- Custom tuning available
- FedEx/UPS Shippable

Applications

- Omni-directional (circular) outdoor antenna applications used by private organizations and government agencies around the globe.
- Typical applications include land based and marine radio and data transmissions for public safety agencies, commercial organizations and the military.

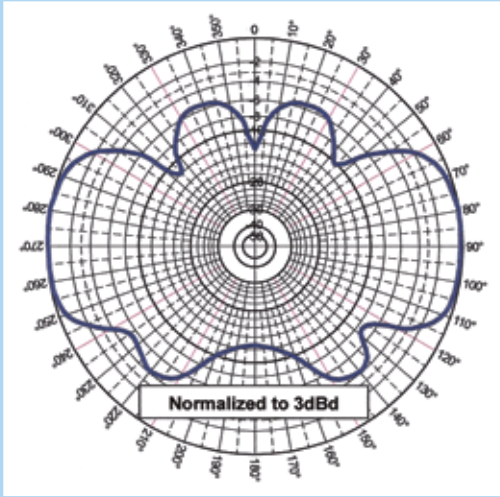
FG9023

Fiberglass Omni-directional Antennas

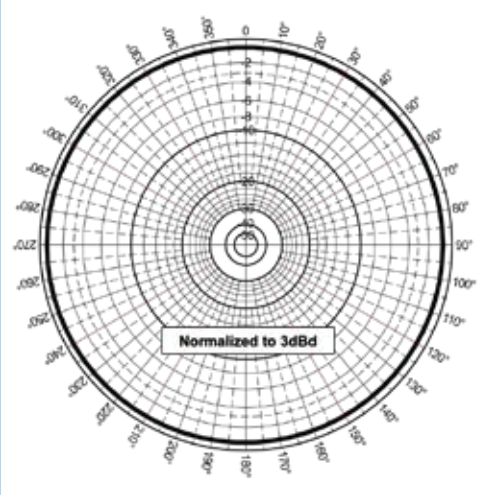
SPECIFICATIONS:

Electrical	
Frequency Range:	902 – 928 MHz
VSWR:	< 2:1 Max
Nominal Gain:	3dBd
Maximum Power:	200 W
Nominal Impedance:	50 Ω
Polarization:	Vertical
Pattern:	Omni-Directional
Half-Power Beamwidth: (Elevation° x Azimuth°)	70° x 360°
Coaxial Cable Length & Type:	None
Termination:	N-Female connector
Lightning Protection:	Lightning Arrestor LABH350NN (Sold Separately)

Mechanical	
Height:	23-1/8"
Diameter:	1.310"
Weight:	< 1 lb
Rated Wind Velocity:	125mph (210kph)
Rated Wind Velocity (with 0.5" radial ice)	85mph (137kph)
Lateral Thrust @ 125mph wind velocity	57 lbs. (26kg)
Wind Resistance in Sq. Feet:	0.2104 Sq. ft
Mounting Information:	FM2 Mounting Kit (Sold separately)



Elevation Pattern (Y, Z, or H-plane)



Azimuthal Pattern (Y, Z, or E-plane)