FEATURES
• High gain 3 dBd (5 dBi)
• Every FG fiberglass base antenna is tested on a network analyzer before shipping to assure the best performance
• Custom UV protection coating
• Durable gold anodized sleeve and cap with N-female connector

MARKETS
• Omnidirectional outdoor antenna applications used in commercial, public safety, and government applications around the globe
• Typical applications include land based and marine radio and voice and data transmission

FIBERGLASS BASE STATION ANTENNAS FEATURE INDUSTRY LEADING DESIGN COMPONENTS THAT PERFORM IN EXTREME CONDITIONS
The FG4103 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.

TECHNICAL DATA
Pattern: Omni-Directional

Maximum Power: 100 Watts
Nominal: 50 Ohm
Polarization: Vertical
VSWR: <2.0:1
Termination: N-Female
Mounting Information: FM2 Optional (sold separately)
Cable Length: N/A
Outdoor Rated: Yes
Color: White Radome/Gold Sleeve
Radome Material: UV Treated Fiberglass

ELECTRICAL SPECIFICATIONS
Model FG4103
Frequency Range (MHz) 410 - 420 MHz
Peak Gain 5 dBi
Elevation Beamwidth at Half-Power 40 Deg
Azimuth Beamwidth at Half-Power 360 Deg

MECHANICAL SPECIFICATIONS
Height 44 in (190.5 cm)
Diameter 1.31 in (3.33 cm)
Weight 2.34 lbs (1.06 kg)
Operational Temp -31°F to +176°F
-35°C to +80°C
Storage Temp -31°F to +176°F
-35°C to +80°C
Rated Wind Velocity 125 mph (210 kph)
Rated Wind Velocity w/0.5" radial ice 85 mph (137 kph)

410-420 MHz 3 dBd Gain Omnidirectional Antenna
FG4103

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410-420 MHz 3 dBi Gain
Omnidirectional Antenna

FG4103

RADIATION PATTERN

Elevation Pattern (Y, Z or H-plane)

Normalized to 3 dBi