

410-420 MHz 3 dBd GAIN OMNIDIRECTIONAL ANTENNA

FG4103

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.

FEATURE

- High gain 3 dBd (5dBi)
- 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

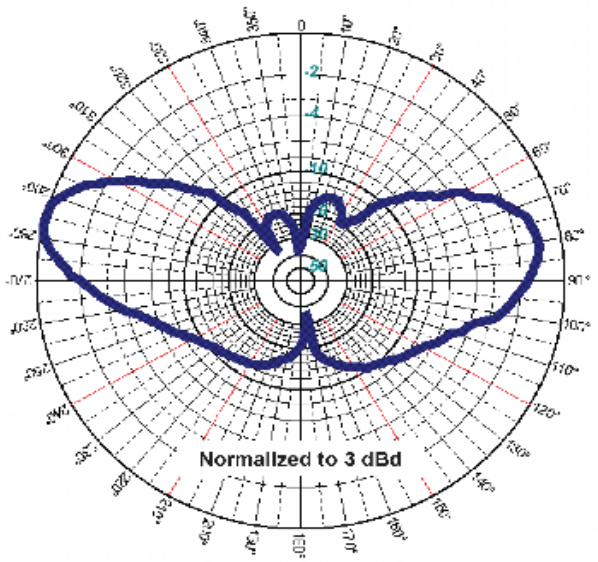
- Omnidirectional outdoor antenna applications used in commercial, public safety, and government applications around the globe
- Typical applications include land based and marine radio and voice and data transmission

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	-31o F to +176o F -35o C to +80o C
Storage Temp	-31o F to +176o F -35o C to +80o C
Rated Wind Velocity	125 mph (210 kph)
Rated Wind Velocity w/0.5" radial ice	85 mph (137 kph)

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

RADIATION PATTERN



Elevation Pattern (Y, Z or H-plane)

TE TECHNICAL SUPPORT CENTER

USA:	+1 (800) 522-6752
Canada:	+1 (905) 475-6222
Mexico:	+52 (0) 55-1106-0800
Latin/S. America:	+54 (0) 11-4733-2200
Germany:	+49 (0) 6251-133-1999
UK:	+44 (0) 800-267666
France:	+33 (0) 1-3420-8686
Netherlands:	+31 (0) 73-6246-999
China:	+86 (0) 400-820-6015

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