FG4505W

Omnidirectional Antenna 450-470 MHz

Fiberglass base station antennas feature industry leading design components that perform in extreme conditions. The FG4505W 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 gain 7 dBi
- Every antenna is tested on a network analyzer before shipping to ensure the best performance
- Custom UV protection coating
- Durable gold anodized sleeve and cap with N-female connector

ELECTRICAL SPECIFICATIONS	
Frequency Range (MHz)	450 – 470
VSWR	2.0:1
Peak Gain (dBi)	7
Nominal Impedance (Ohms)	50
Max Power - Ambient 25°C (W)	100
Polarization	Vertical
Elevation Beamwidth at Half-Power (Deg)	34
Azimuth Beamwidth at Half-Power (Deg)	360
Pattern	Omnidirectional

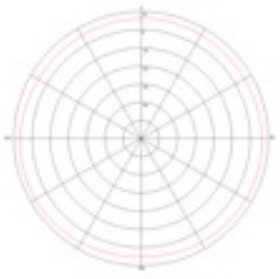
MECHANICAL SPECIFICATIONS	
Dimensions – diameter x height – cm (in.)	3.33 x 193.0 (1.31 x 76)
Weight – kg (lbs.)	1.06 (2.34)
Radome Material	UV Treated Fiberglass
Color	White radome/Gold sleeve

CONFIGURATION

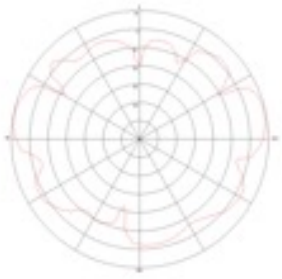
PART NUMBER	CABLE LENGTH	CONNECTOR	MOUNTING
FG4505W	N/A	N-Female	FM2 Optional

RADITION PATTERNS

2700 MHz



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



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

te.com

10/21 Original