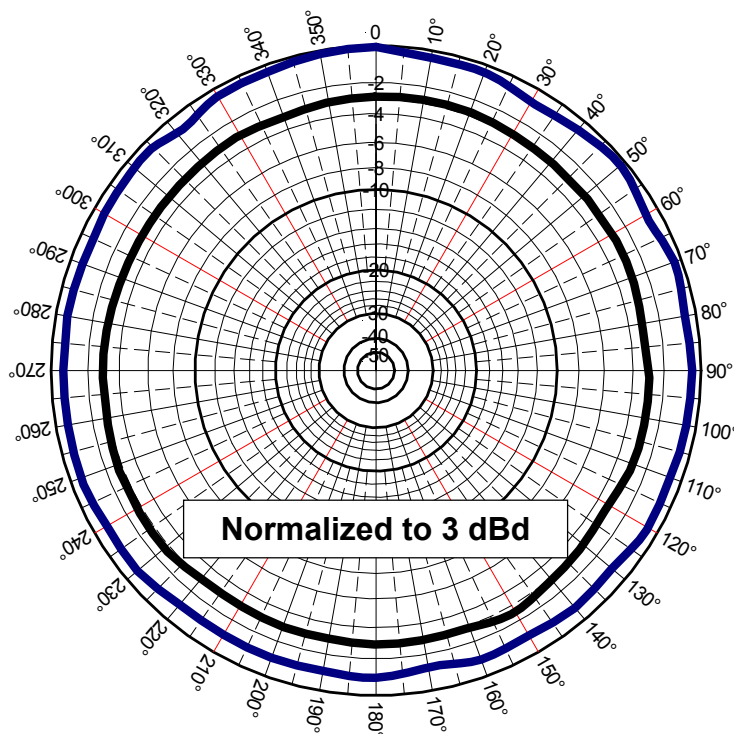


Dual Band Omni-Directional Antenna Model FG821/18503 (821-896 / 1850-1990 MHz)

ANTENNA RADIATION PATTERN



FG821/18503
(Shown with optional FM2SP mounting kit)



Azimuthal Patterns (X,Y or E-Plane)

- Cellular Frequency: 821-896 MHz
- PCS Frequency: 1850-1990 MHz

FEATURES

- Superior quality design
- High Performance
- Low Profile
- Easy installation /w optional FM2SP
- Special UV treated radome, resists sun damage
- N Female industry standard connector
- 100% tested on a network analyzer

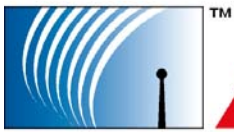
ELECTRICAL SPECIFICATIONS

Frequency Range:	806 – 896 MHz 1850-1990 MHz
Nominal Gain:	0 dBd (806-896) 3 dBd (1850-1990)
VSWR:	<2:1
Maximum Power:	100 W
Nominal Impedance:	50Ω
Polarization:	Vertical
Pattern:	Omni-Directional
Half-Power Beamwidth:	60° x 360° (EI° x Az°) 110° x 360° (EI° x Az°)
Termination:	N-Female connector
Lightning Protection:	Lightning Arrestor LABH350NN (Sold Separately)

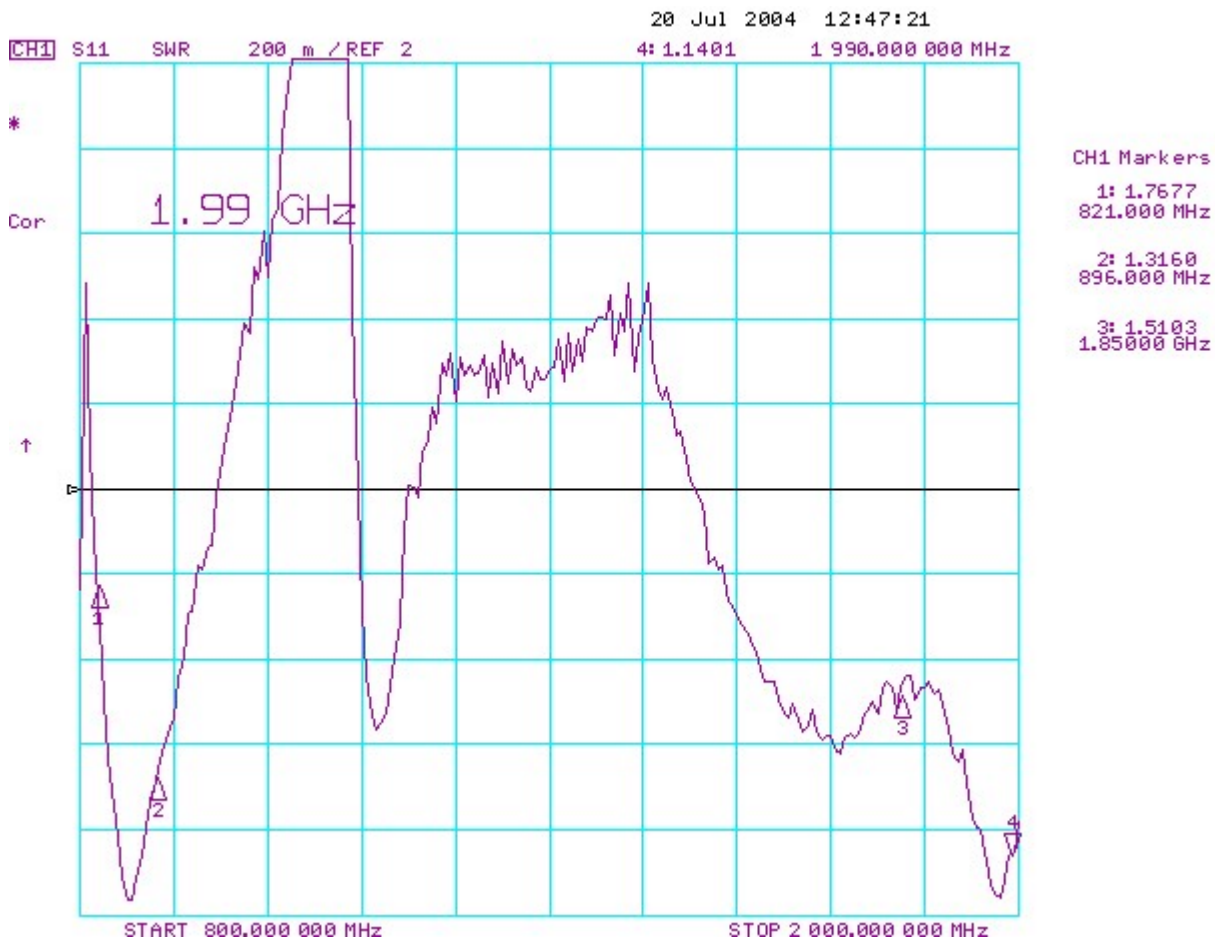
MECHANICAL SPECIFICATIONS

Height:	13-3/4"
Diameter:	1.310"
Weight:	< 1lbs
Rated Wind Velocity:	125mph (210kph)
Rated Wind Velocity (with 0.5" radial ice)	85mph (137kph)
Wind Resistance:	0.1256 sq. ft.
Mounting Information:	Optional FM2SP Mounting Kit





VSWR of FG821/18503



FG821/18503 Typical VSWR sweeps (BW = 100 MHz @VSWR < 1.5:1)

Marker 1: 1.7677 to 1 @ 821 MHz
Marker 2: 1.3160 to 1 @ 896 MHz
Marker 3: 1.5103 to 1 @ 1850 MHz
Marker 4: 1.1401 to 1 @ 1990 MHz

07/20/2004