Laird
Smart Technology. Delivered.

Dual Band Omnidirectional Antenna

FG821/18503 (821-896 / 1850-1990 MHz)

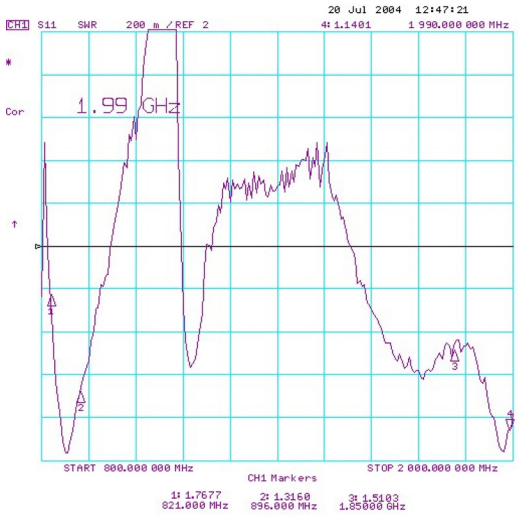
FEATURES

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

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

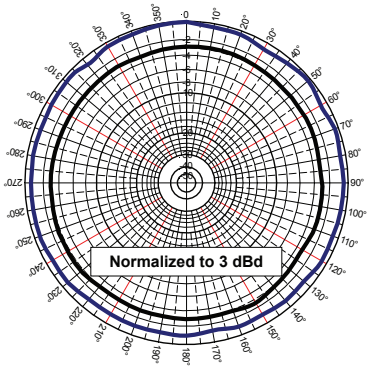
VSWR OF FG821/18503



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	100W
Nominal Impedance	50Ω
Polarization	Vertical
Pattern	Omni-Directional
Half-Power Beamwidth (El° x Az°)	60° x 360° 110° x 360°
Termination	N Female connector
Ligtning Protection	Lightning Arrestor LABH350NN (at right, sold separately)

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

ANTENNA RADIATION PATTERN



Azimuthal Patterns (X,Y or E-Plane)

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

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ANT-DS-FG821/18503-1113