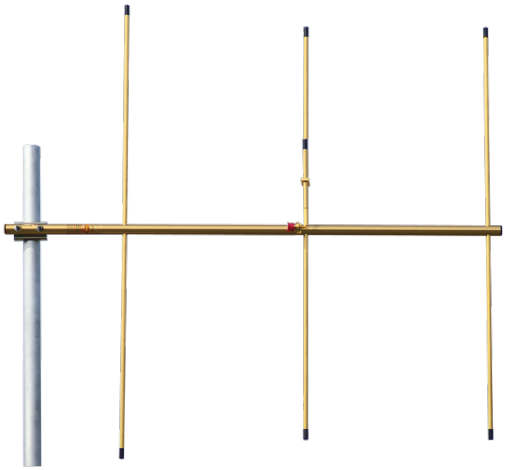


Y1503

150-174 MHz Directional Yagi Antennas

Y1503 directional yagi antennas are fully gold anodized and offer high performance directional coverage in the 150-174 MHz frequency range.

Each antenna is factory tuned on a network analyzer for optimal power match and lowest VSWR.

FEATURES AND BENEFITS

- Fully gold anodized to help prevent corrosion
- All radial elements are secured to the boom with stainless steel hardware to prevent corrosion
- Shipped with elements unassembled
- Every yagi is tuned on a network analyzer for optimal power match and lowest VSWR
- Supplied with cast aluminum mounting kits

APPLICATIONS

- Point-to-point and multi-point
- Typical applications include transportation such as railroad switching, remote locations reporting examples that include oil fields, weather conditions and, meter data transmissions for utilities

SPECIFICATIONS

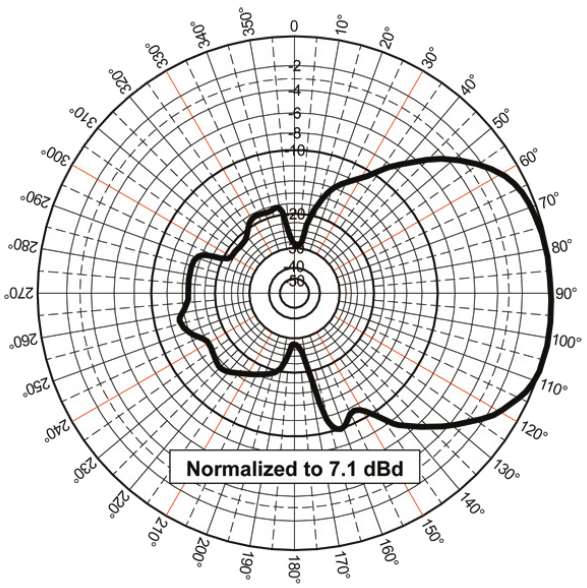
ELECTRICAL SPECIFICATION	
Operating Frequency (MHz)	150-174 Tunable
VSWR - Max	<2.0:1
Return Loss	-10 dB max
Nominal Gain	7.1 dBd / 9.3 dBi
Front to Back Ratio	17 dBd
Maximum Power - W	300
Nominal Impedance	50 Ω
Horizontal Beamwidth (For Horizontal Polarization)	78°
Vertical Beamwidth (For Vertical Polarization)	74°
Tuning	Adjustable Gamma Match
Transmitting/Receiving	Both
Polarization	Vertical or Horizontal
Pattern	Directional

MECHANICAL SPECIFICATION	
Number of Elements	3
Material	Aluminum
Length - mm (in.)	1029 (40-1/2)
Height - mm (in.)	997 (39-1/4)
Boom Diameter - mm (in.)	22.2 (7/8)
Weight - kg (lbs.)	1.8 (4.0)
Cable	None
Connector	N-Type Female
Lightning Protection	Lightning Arrestor LABH350NN (Sold Separately)
Mounting	Mounting Kit Included Max Mast Diameter - 63.5mm / 2.5”

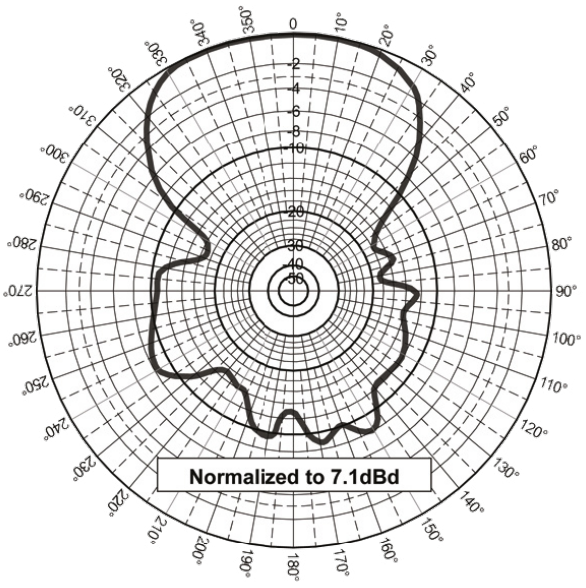
ENVIRONMENTAL SPECIFICATION	
Operating Temp. °C (°F)	-30° to +85° (-22° to +185°)
Storage Temperature °C (°F)	-30° to +85° (-22° to +185°)
Material Substance Compliance	RoHS Compliant CE & UKCA Compliant

RADIATION PATTERNS

Vertical-to-Vertical Polarization Azimuthal Pattern (Y, Z, or E-plane)

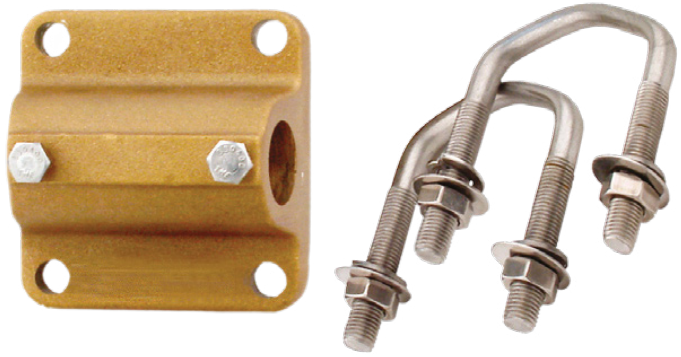


Horizontal-to-Horizontal Polarization Azimuthal Pattern (Y, Z, or H-plane)



MOUNTING KIT

Heavy-Duty Mounting Kit Included



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