

Y(B)1505

Directional Yagi Antenna

GOLD ANODIZED YAGI ANTENNAINSURES LONG-TERM PERFORMANCE

TE's premium series Directional Yagi antennas are fully gold anodized for corrosion resistance. Our engineering staff has also optimized the product family for forward gain by computer analysis and then field-tested each for conformance.

FEATURES AND BENEFITS

- Every Yagi is tuned on a network analyzer for best power match and lowest VSWR.
- All Yagi antennas ship complete with a high quality cast aluminum mounting kit that includes stainless steel hardware and allows vertical or horizontal orientation during installation. (VHF models require light assembly)
- Available in gold or black (B) anodized finish

APPLICATIONS

- Point to point directional and multiple point to omnidirectional outdoor antennas applications used by private organizations and government agencies around the globe
- Typical applications include transportation such as railroad switching, remote locations reporting examples that include oil fields and weather conditions and meter data transmissions for utilities

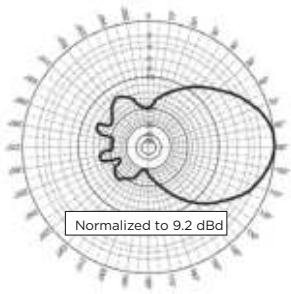
MECHANICAL SPECIFICATION	
Material	Aluminum
Length	72"
Height	39.5"
Boom Diameter	1.25"
Weight	6 lbs
Rated Wind Velocity	150mph (241kph)
Equivalent Flat Area	0.9102 sq. ft.
Cable	None
Termination	N-Female connector
Color	Gold or Black Anodized
Lightning Protection	Lightning Arrestor LABH350NN (Sold Separately)
Mounting	Heavy duty gold cast (Kit included as shown

ELECTRICAL SPECIFICATION

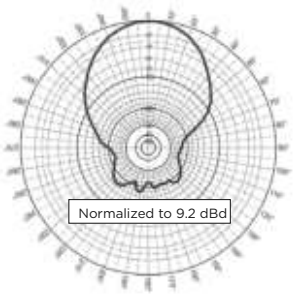
Frequency Range	150 – 174 MHz (Tunable)
VSWR	< 2:1
Return Loss	-10dB max
Nominal Gain	9.2 dBd
Front to Back Ratio	20 dB
Maximum Power	300 W
Nominal Impedance	Ω50
Polarization	Vertical or Horizontal
Pattern	Directional
Horizontal Beamwidth (For Horizontal Polarization)	60°
Vertical Beamwidth (For Vertical Polarization)	54°
Tuning	See cut chart
Transmitting/Receiving	Both



Heavy-Duty Mounting Kit Included



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



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

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