

# DIRECTIONAL YAGI ANTENNAS

## Y(S)4503



### SILVER SERIES DIRECTIONAL YAGI ANTENNAS COMBINE OPTIMIZED DESIGN FEATURES WITH GREAT VALUE

Laird Silver Series Yagi antennas represent great value while featuring the same great optimized design and plated brass connector found on premium gold series models. Each Yagi is factory tuned on a network analyzer for best power match and lowest VSWR, offering the best possible performance every time. All antennas ship complete with a mounting kit that includes stainless steel hardware.

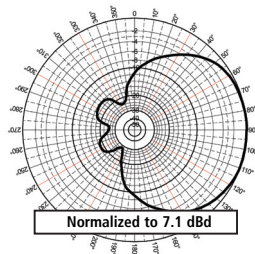
#### FEATURES AND BENEFITS:

- All UHF and higher frequency models are delivered fully assembled.
- All radial elements are secured to the boom with stainless steel hardware to prevent corrosion.
- Every Yagi is tuned on a network analyzer for best power match and lowest VSWR.
- All antennas ship complete with a mounting kit that includes stainless steel hardware.

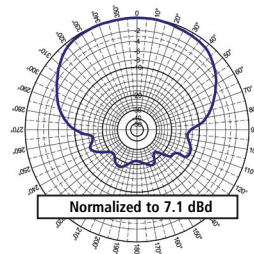
#### APPLICATIONS:

- Point-to-point and multi-point / omnidirectional outdoor antenna 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, weather conditions and, meter data transmissions for utilities.

Electrical		Mechanical	
Frequency Range	450 – 470 MHz	Material	Aluminum
VSWR	< 2:1	Length	20-3/16"
Return Loss	-10 dB max	Height	13-1/2"
Nominal Gain	7.1 dBd	Boom Diameter	7/8"
Front to Back Ratio	17 dBd	Weight	1.15 lbs
Maximum Power	300 W	Rated Wind Velocity	150 mph (241 kph)
Nominal Impedance	50 $\Omega$	Rated Wind Velocity (with 0.5" radial ice)	80 mph (130 kph)
Polarization	Vertical or Horizontal	Equivalent Flat Area	0.2177 sq. ft.
Pattern	Directional	Cable	None
Horizontal Beamwidth (For Horizontal Polarization)	115°	Termination	N-Female connector
Vertical Beamwidth (For Vertical Polarization)	114°	Color	Silver Only for YS series
Tuning	NA	Lightning Protection	Lightning Arrestor LABH350NN (Sold Separately)
Transmitting/Receiving	Both	Mounting Included	Yagi mounting kit included for 7/8" boom



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



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

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