



Smart Technology. Delivered.

YS3805

Directional Yagi Antenna

380-406 MHz



5 ELEMENTS DIRECTIONAL YAGI ANTENNA

Laird's directional gamma matched Yagi antennas are focused on economical and high performance. This UHF yagi series has a 11.2 dBi antenna gain and operates on 380-406 MHz frequency range. It is manufactured using high strength 6061-T6 aluminum to withstand heavy ice, high wind and other harsh conditions.

FEATURES

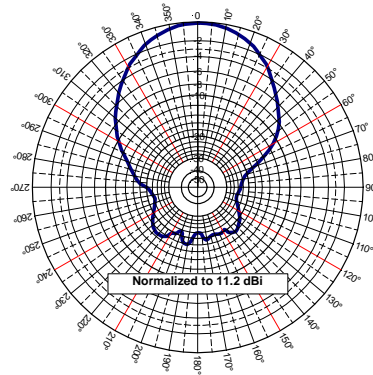
- Every Yagi is tuned on a network analyzer for best power match and lowest VSWR.
- All Yagi antennas ship complete with a high quality cast aluminum mounting kit that includes stainless steel hardware and allows vertical or horizontal orientation during installation. (VHF models require light assembly)

APPLICATIONS

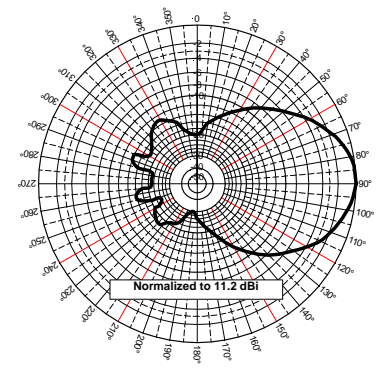
- Point to point directional and multiple point to omnidirectional outdoor antennas applications used by private organizations and government agencies around the globe.
- Typical applications include transportation such as railroad switching, remote locations reporting examples that include oil fields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

MECHANICAL SPECIFICATIONS	
Material	Aluminum
Length	37"
Height	14-5/8"
Boom Diameter	7/8"
Weight	NA
Rated Wind Velocity	120mph (222kph)
Equivalent Flat Area	0.4029 sq. ft.
Cable	None
Termination	N-Female connector
Color	Silver Only for YS Series
Lightning Protection	Lightning Arrestor LABH350NN (Sold Separately)
Mounting	Yagi mounting Kit for 7/8" boom

ELECTRICAL SPECIFICATIONS	
Frequency Range	380-406 MHz
VSWR	< 2:1
Return Loss	-10dB max
Nominal Gain	11.2 dBi
Front to Back Ratio	20 dB
Maximum Power	300 W
Nominal Impedance	50Ω
Polarization	Vertical or Horizontal
Pattern	Directional
Horizontal Beamwidth (For Horizontal Polarization)	54°
Vertical Beamwidth (For Vertical Polarization)	60°
Tuning	Fixed Tune
Transmitting/Receiving	Both



Elevation Pattern (Y, Z or H-Plane) Representation Pattern



Azimuthal Pattern (X, Y or E-Plane) Representation Pattern

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