

# WISPerformance Series Enclosed Yagi Antenna



The WISPerformance yagi antenna can be used as bridge antenna between two networks or for point-to-point communications. It is field adjustable for vertical or horizontal polarization with matched principal plane beamwidths for optimum performance in either orientation. This design also provides improved front-to-back ratio and sidelobe suppression that reduces interference. The antenna features a robust mounting structure for consistent performance regardless of weather conditions.

## General Specifications:

### Polarization:

Vertical or horizontal, linear (user adjustable)

### Nominal Impedance:

50 Ohms

### VSWR:

< 1.5:1

### Mounting Method:

Heavy duty yagi mounting bracket (included) permits mast mounting on masts up to 2" O.D.

### Termination:

N female



Enclosed Yagi

## Features and Benefits

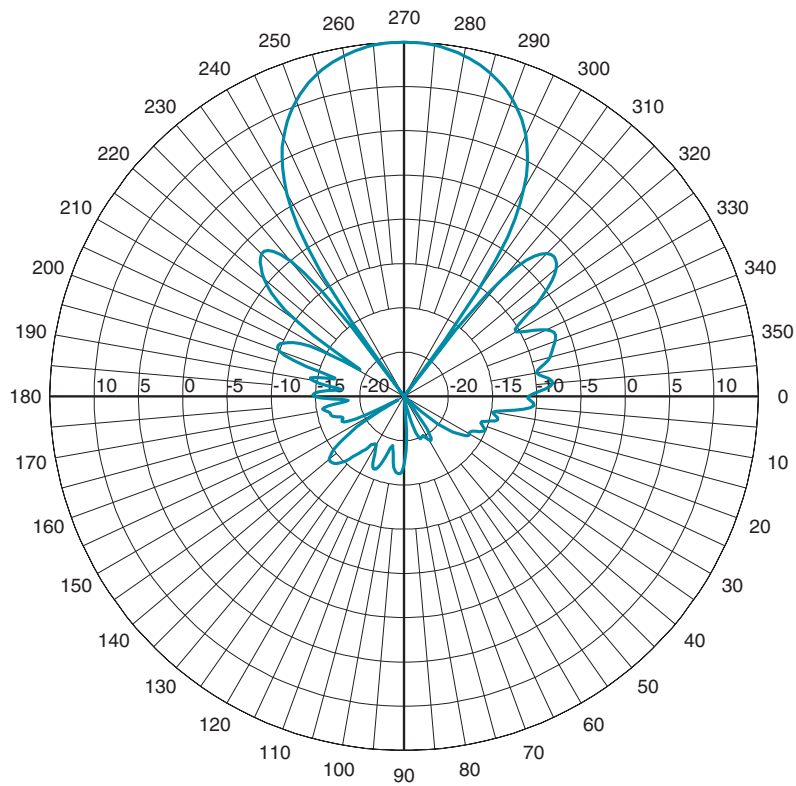
- Field adjustable to allow vertical or horizontal polarity. Eliminates co-channel interference from neighboring radiators. Polarity markings molded on the antenna ensure installation in the correct orientation.
- Includes a robust mast mount bracket designed to withstand 125 mph wind.
- Matched principal plane beamwidths with excellent sidelobe suppression and cross-polarization rejection of more than 20 dB. Provides superior signal quality with enhanced gain performance and minimal interference from neighboring radiators.
- 30 dB front-to-back ratio permits less physical separation on the tower, adding mounting flexibility at installation sites where space is limited.
- Attractive weather-proof radome constructed of UV resistant material. Provides robust and trouble-free use in harsh outdoor environments.

## Electrical Specifications

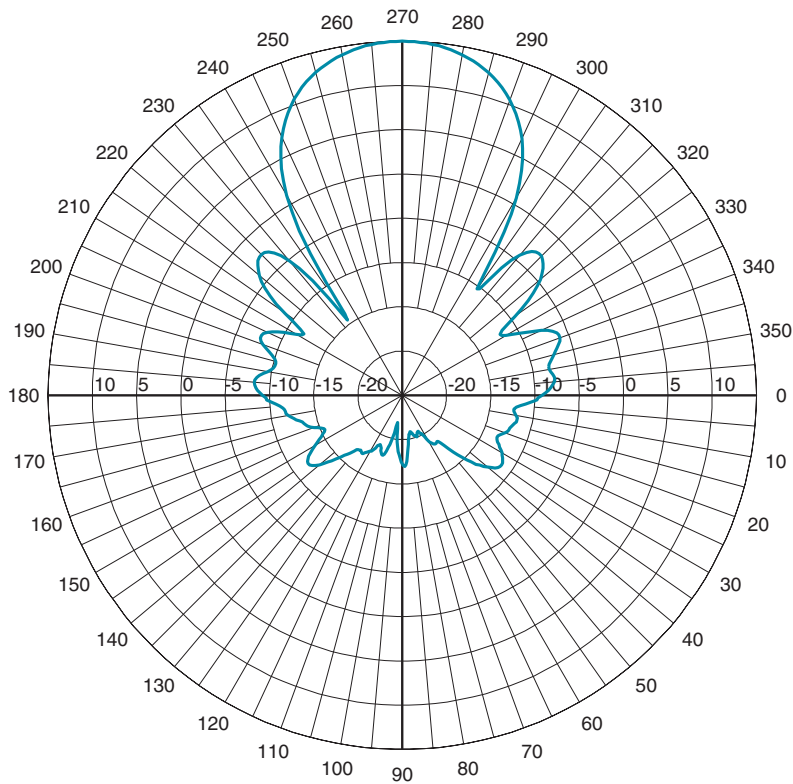
Model #	Frequency Range	Front-to-Back Ratio	Nominal Gain	Vertical Beamwidth @ 1/2 Power	Horizontal Beamwidth @ 1/2 Power
WISP24015PTNF	2.4-2.48 GHz	30 dB	15 dBi	30°	30°

## Mechanical Specifications

Model #	Wind Survival	Lateral Thrust at Rated Wind	Equivalent Flat Plate Area	Cable	Dimensions	Weight
WISP24015PTNF	125 mph	18.3 lbs	0.20 ft <sup>2</sup>	18" coax	14" x 3" OD	1 lbs



**WISP24015PTNF Elevation Cut**



**WISP24015PTNF Azimuth Cut**